

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX103118\
 Data File : VX005711.D
 Acq On : 31 Oct 2018 16:14
 Operator : JC/MD
 Sample : VSTDIC150
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Manual Integrations
 APPROVED

MMDadoda
 11/1/2018 9:49:30 AM

Quant Time: Oct 31 16:35:06 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X103118W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 31 16:07:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	117858	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	183382	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	172945	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	102155	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	241803	138.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	276.20%	
35) Dibromofluoromethane	5.50	113	185495	145.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	290.28%	
50) Toluene-d8	8.72	98	678288	152.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	305.78%	
62) 4-Bromofluorobenzene	11.14	95	277454	174.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	348.54%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	223082	166.931	ug/l	96
3) Chloromethane	1.32	50	240093	149.404	ug/l	99
4) Vinyl Chloride	1.41	62	238609	141.454	ug/l	98
5) Bromomethane	1.64	94	315914	152.861	ug/l	98
6) Chloroethane	1.70	64	228197	198.147	ug/l	94
7) Trichlorofluoromethane	1.91	101	312188	144.713	ug/l	96
8) Diethyl Ether	2.19	74	138648	142.653	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	2.37	101	184136	139.739	ug/l	91
10) Methyl Iodide	2.50	142	192178	169.649	ug/l	100
11) Tert butyl alcohol	3.10	59	360889	776.710	ug/l	99
12) 1,1-Dichloroethene	2.36	96	171957	132.888	ug/l	88
13) Acrolein	2.29	56	261042	879.342	ug/l	95
14) Allyl chloride	2.72	41	364669	136.911	ug/l	96
15) Acrylonitrile	3.15	53	748307	722.820	ug/l	99
16) Acetone	2.45	43	636628	631.589	ug/l	99
17) Carbon Disulfide	2.56	76	547508	138.580	ug/l	98
18) Methyl Acetate	2.78	43	337909	134.254	ug/l	98
19) Methyl tert-butyl Ether	3.20	73	644088	145.920	ug/l	97
20) Methylene Chloride	2.85	84	202124	133.540	ug/l	97
21) trans-1,2-Dichloroethene	3.15	96	189261	139.215	ug/l	98
22) Diisopropyl ether	3.88	45	729799	149.861	ug/l #	93
23) Vinyl Acetate	3.83	43	3193346	753.564	ug/l	97
24) 1,1-Dichloroethane	3.69	63	373826	133.250	ug/l	98
25) 2-Butanone	4.71	43	1045948	713.799	ug/l	98
26) 2,2-Dichloropropane	4.57	77	281423	134.362	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	213035	139.499	ug/l	96
28) Bromochloromethane	5.01	49	182211	133.106	ug/l	91
29) Tetrahydrofuran	5.16	42	674180	761.921	ug/l	95
30) Chloroform	5.21	83	377072	138.252	ug/l	98
31) Cyclohexane	5.57	56	350491	152.687	ug/l	90
32) 1,1,1-Trichloroethane	5.49	97	313735	144.788	ug/l	97
36) 1,1-Dichloropropene	5.79	75	287731	146.733	ug/l	97
37) Ethyl Acetate	4.87	43	378306	152.130	ug/l	99
38) Carbon Tetrachloride	5.78	117	263945	149.434	ug/l	90

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	322568	160.077	ug/l	96
40) Benzene	6.15	78	856415	146.818	ug/l	94
41) Methacrylonitrile	5.07	41	207488	154.895	ug/l	97
42) 1,2-Dichloroethane	6.20	62	307584	141.870	ug/l	99
43) Isopropyl Acetate	6.47	43	591151	166.371	ug/l	98
44) Trichloroethene	7.21	130	194989	144.094	ug/l	93
45) 1,2-Dichloropropane	7.52	63	219405	146.767	ug/l	100
46) Dibromomethane	7.66	93	140013	146.511	ug/l	# 86
47) Bromodichloromethane	7.90	83	274330	154.383	ug/l	98
48) Methyl methacrylate	7.78	41	292103	170.645	ug/l	98
49) 1,4-Dioxane	7.76	88	126218	3289.074	ug/l	99
51) 4-Methyl-2-Pentanone	8.66	43	2153677	902.655	ug/l	99
52) Toluene	8.79	92	481541	153.813	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	327014	173.381	ug/l	98
54) cis-1,3-Dichloropropene	8.44	75	338333	166.112	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	204358	149.607	ug/l	98
56) Ethyl methacrylate	9.18	69	368106	185.502	ug/l	97
57) 1,3-Dichloropropane	9.37	76	354873	151.571	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	1039075	926.248	ug/l	93
59) 2-Hexanone	9.50	43	1729549	887.930	ug/l	96
60) Dibromochloromethane	9.59	129	212562	163.532	ug/l	99
61) 1,2-Dibromoethane	9.68	107	212021	152.879	ug/l	99
64) Tetrachloroethene	9.34	164	171112	132.844	ug/l	96
65) Chlorobenzene	10.14	112	535142	144.767	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	191102	152.283	ug/l	97
67) Ethyl Benzene	10.26	91	973913	156.377	ug/l	99
68) m/p-Xylenes	10.36	106	737921	320.165	ug/l	96
69) o-Xylene	10.70	106	359927	163.976	ug/l	96
70) Styrene	10.71	104	629251	174.610	ug/l	98
71) Bromoform	10.86	173	180726	183.989	ug/l	99
73) Isopropylbenzene	11.02	105	971381	143.013	ug/l	99
74) N-amyl acetate	10.90	43	595993	169.743	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	414691	147.979	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	360348m	140.067	ug/l	
77) Bromobenzene	11.26	156	238619	141.356	ug/l	87
78) n-propylbenzene	11.36	91	1210477	147.180	ug/l	96
79) 2-Chlorotoluene	11.42	91	710207	144.082	ug/l	96
80) 1,3,5-Trimethylbenzene	11.51	105	883907	155.387	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.08	75	132299	172.135	ug/l	93
82) 4-Chlorotoluene	11.51	91	875958	149.805	ug/l	96
83) tert-Butylbenzene	11.77	119	851464	157.190	ug/l	97
84) 1,2,4-Trimethylbenzene	11.81	105	898586	156.654	ug/l	98
85) sec-Butylbenzene	11.95	105	1054019	150.587	ug/l	97
86) p-Isopropyltoluene	12.07	119	923889	156.161	ug/l	98
87) 1,3-Dichlorobenzene	12.03	146	468091	143.805	ug/l	98
88) 1,4-Dichlorobenzene	12.10	146	478499	135.579	ug/l	98
89) n-Butylbenzene	12.39	91	961670	162.175	ug/l	98
90) Hexachloroethane	12.60	117	168777	161.795	ug/l	81
91) 1,2-Dichlorobenzene	12.40	146	493400	145.341	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.00	75	101919	156.541	ug/l	86

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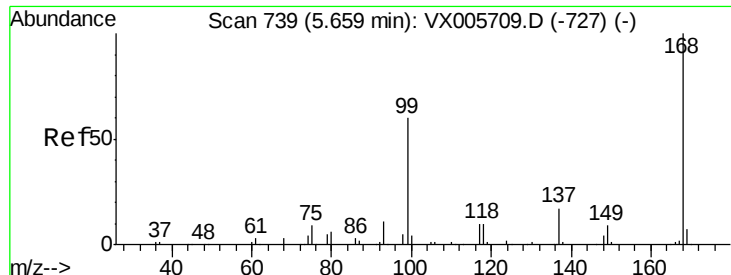
Manual Integrations
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	338082	157.360	ug/l	99
94) Hexachlorobutadiene	13.79	225	149087	140.826	ug/l	100
95) Naphthalene	13.83	128	1174441	168.204	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	336612	153.190	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed



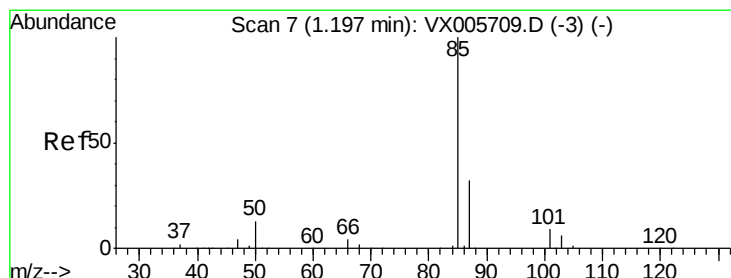
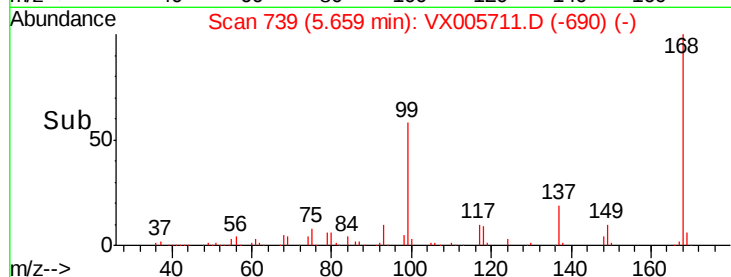
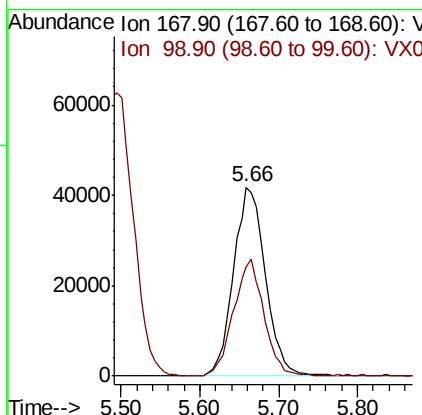
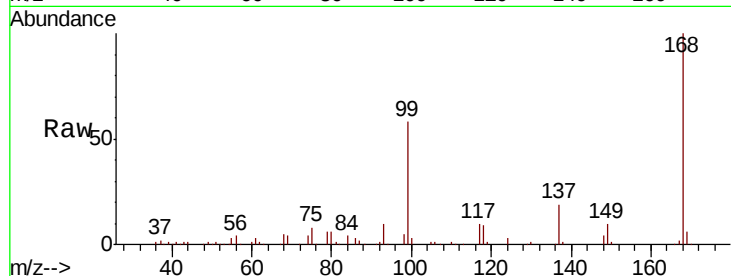
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.66 min Scan# 739
Delta R.T. 0.00 min
Lab File: VX005711.D
Acq: 31 Oct 2018 16:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tot Ion:168 Resp: 117858
Ion Ratio Lower Upper
168 100
99 57.4 40.7 61.1

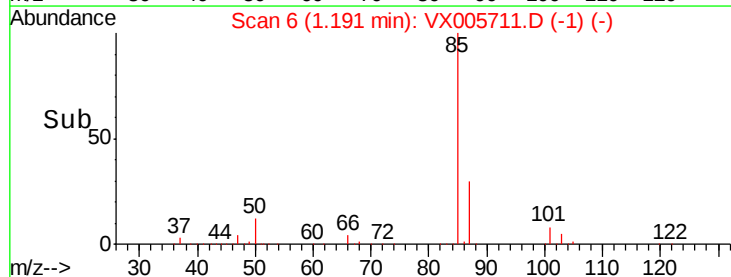
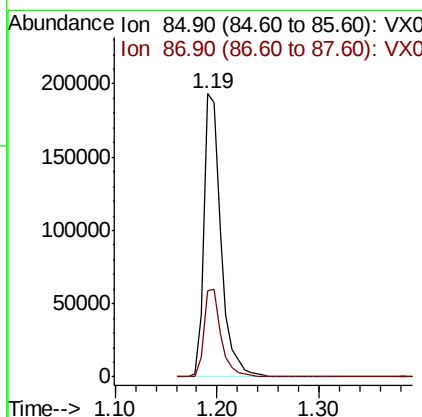
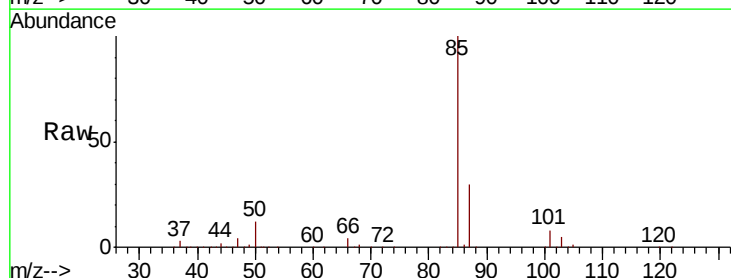
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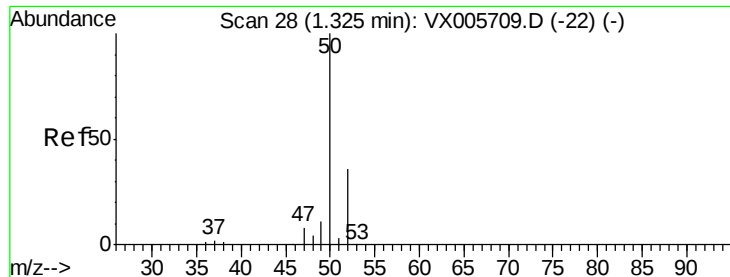
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#2
Dichlorodifluoromethane
Concen: 166.931 ug/l
RT: 1.19 min Scan# 6
Delta R.T. -0.01 min
Lab File: VX005711.D
Acq: 31 Oct 2018 16:14

Tgt Ion: 85 Resp: 223082
Ion Ratio Lower Upper
85 100
87 30.5 16.3 48.9





#3

Chloromethane

Concen: 149.404 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX005711.D

Acq: 31 Oct 2018 16:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC150

Tot Ion: 50 Resp: 240093

Ion Ratio Lower Upper

50 100

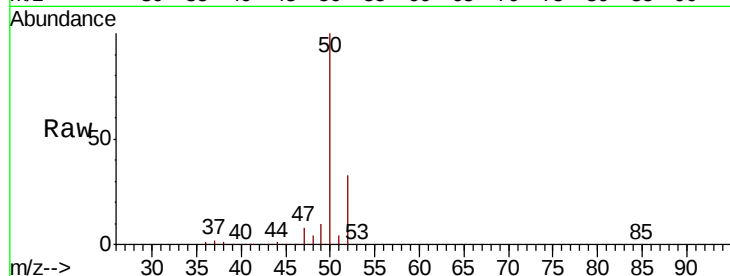
52 33.3 26.2 39.2

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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

250000

200000

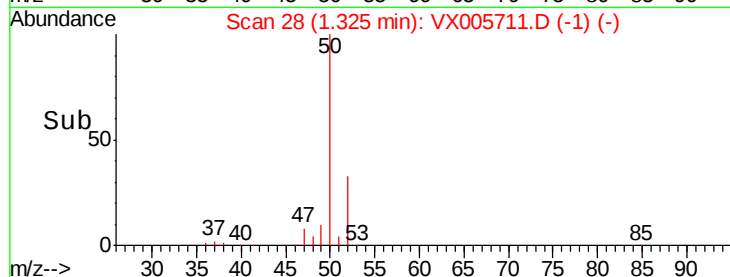
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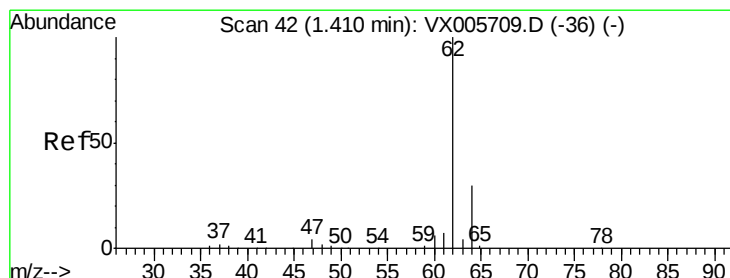
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0

Time-->



Time-->



#4

Vinyl Chloride

Concen: 141.454 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX005711.D

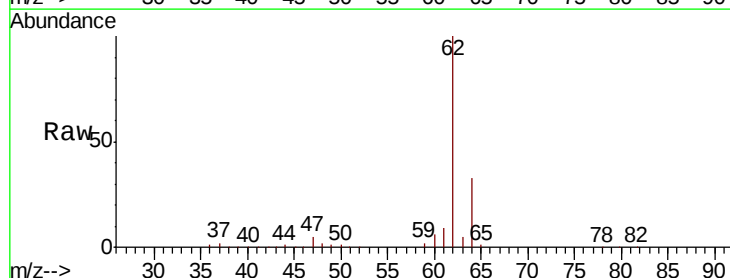
Acq: 31 Oct 2018 16:14

Tgt Ion: 62 Resp: 238609

Ion Ratio Lower Upper

62 100

64 32.8 25.3 37.9



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.41

200000

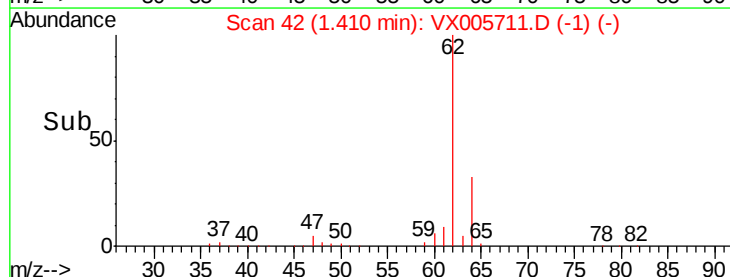
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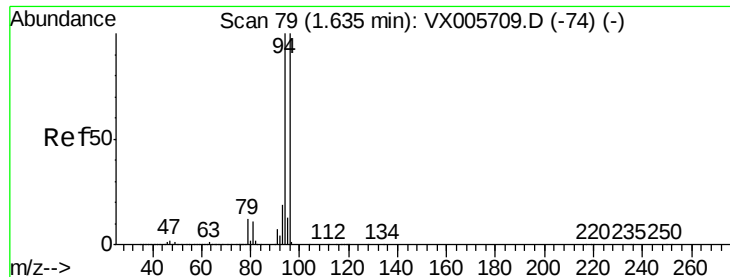
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Time-->





#5

Bromomethane

Concen: 152.861 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX005711.D

Acq: 31 Oct 2018 16:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 94 Resp: 315914

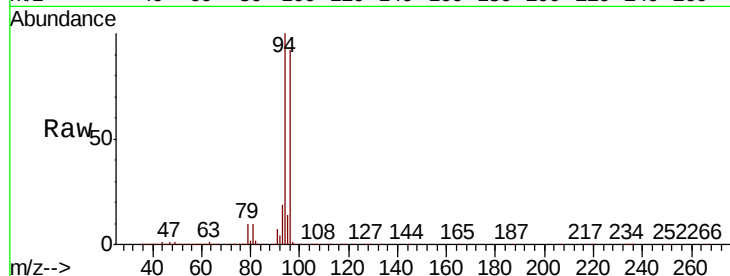
Ion Ratio Lower Upper

94 100

96 91.8 75.2 112.8

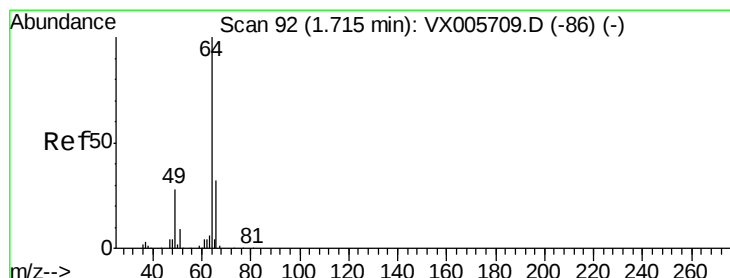
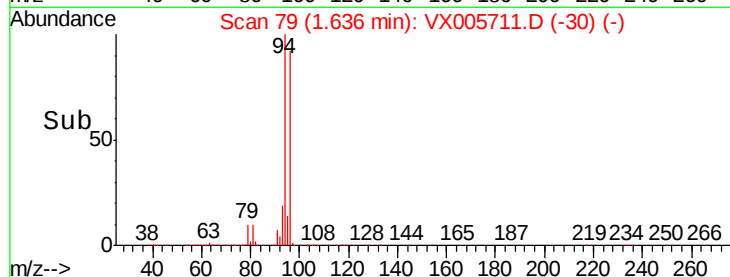
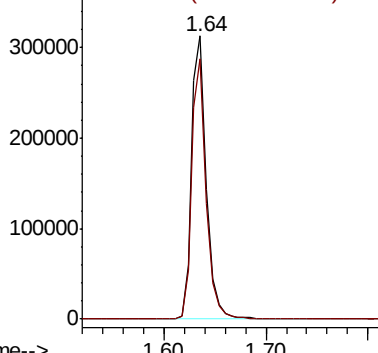
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 198.147 ug/l

RT: 1.70 min Scan# 90

Delta R.T. -0.01 min

Lab File: VX005711.D

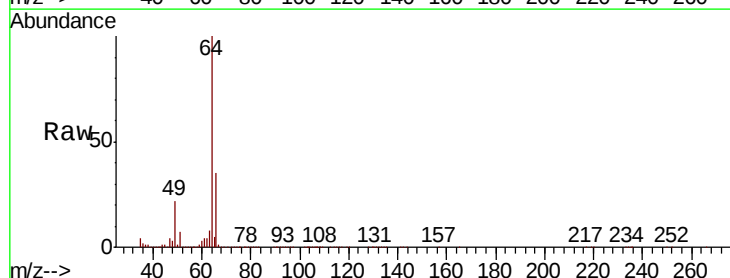
Acq: 31 Oct 2018 16:14

Tgt Ion: 64 Resp: 228197

Ion Ratio Lower Upper

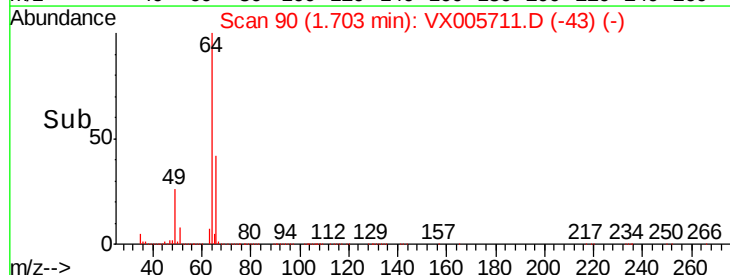
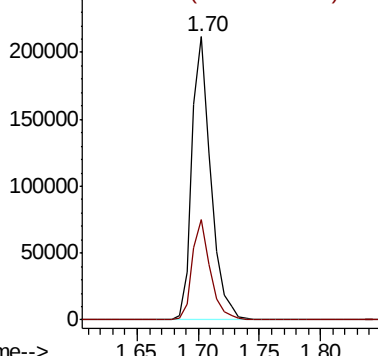
64 100

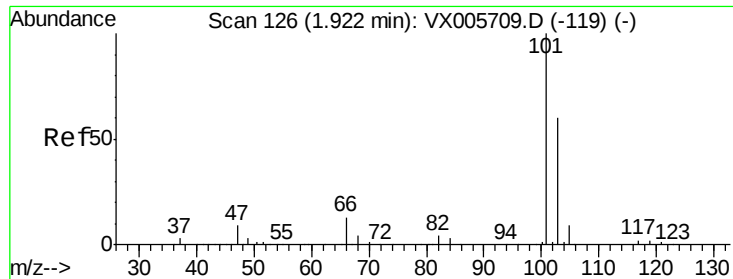
66 35.3 25.8 38.6



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

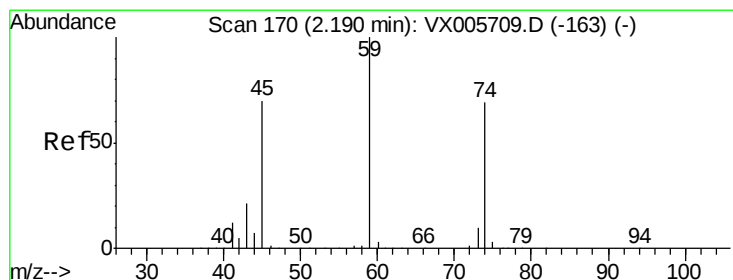
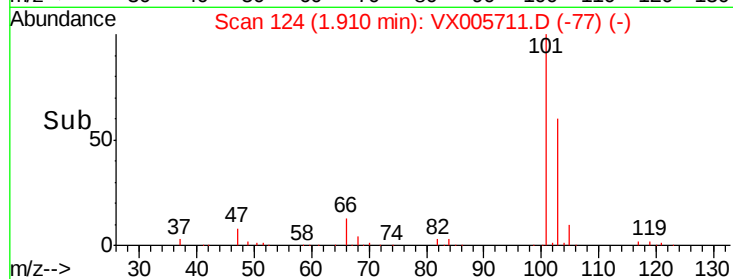
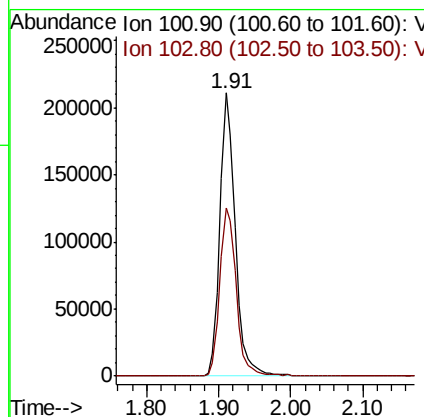
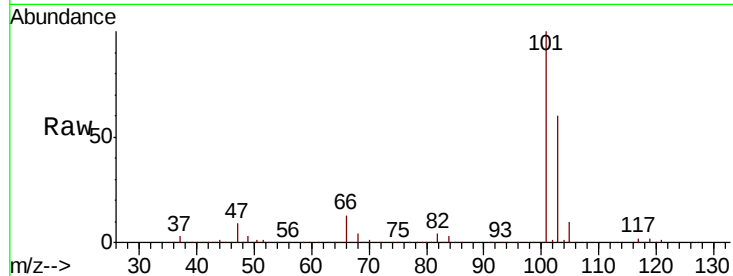
Trichlorofluoromethane
 Concen: 144.713 ug/l
 RT: 1.91 min Scan# 124
 Delta R.T. -0.01 min
 Lab File: VX005711.D
 Acq: 31 Oct 2018 16:14

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Tot Ion	Ratio	Resp	Lower	Upper
101	100	312188		
103	59.6	50.0	75.0	

Manual Integrations
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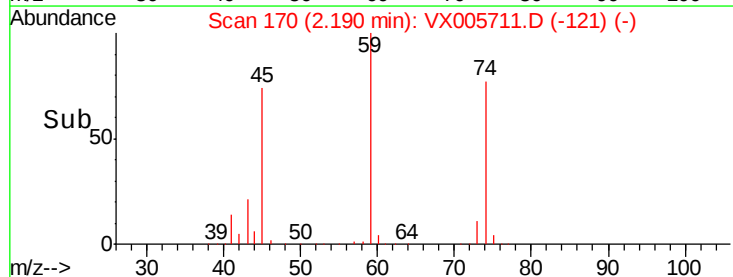
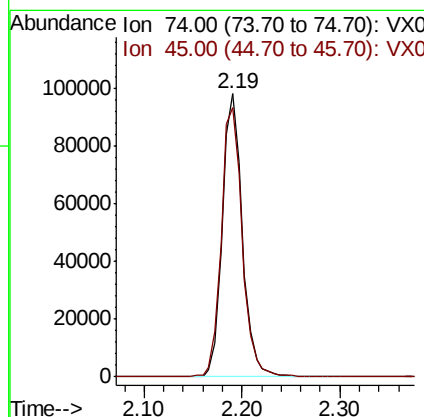
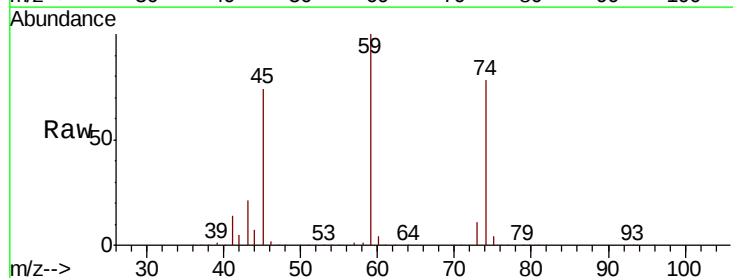
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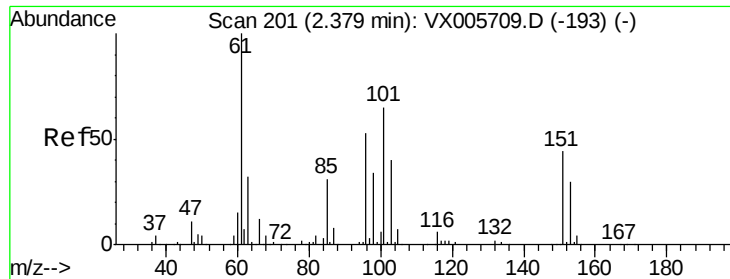


#8

Diethyl Ether
 Concen: 142.653 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. 0.00 min
 Lab File: VX005711.D
 Acq: 31 Oct 2018 16:14

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	138648		
45	100.2	54.1	162.3	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 139.739 ug/l

RT: 2.37 min Scan# 200

Delta R.T. -0.01 min

Lab File: VX005711.D

Acq: 31 Oct 2018 16:14

Instrument :

MSVOA_X

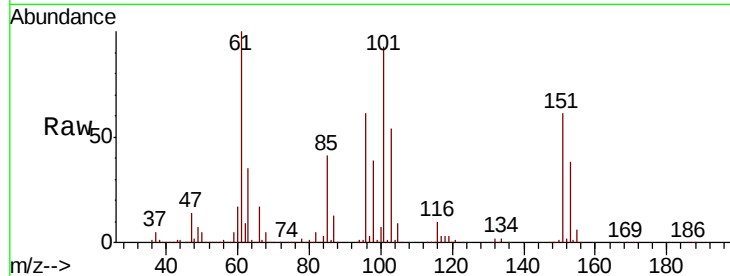
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VSTDIC150

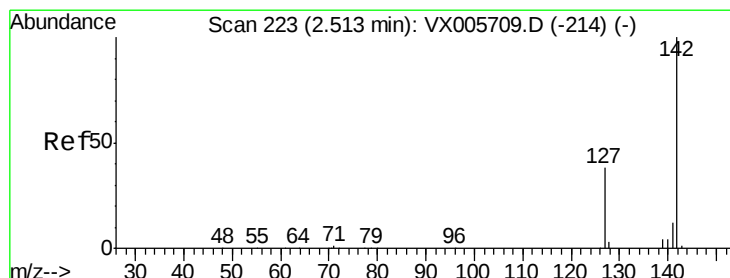
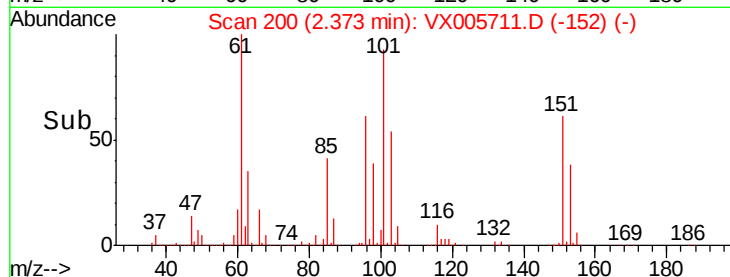
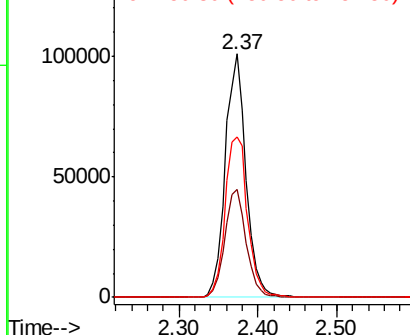
Tot Ion:	101	Resp:	184136
Ion Ratio	Lower	Upper	
101	100		
85	45.7	35.0	52.4
151	71.8	66.2	99.2

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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): VX0
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 169.649 ug/l

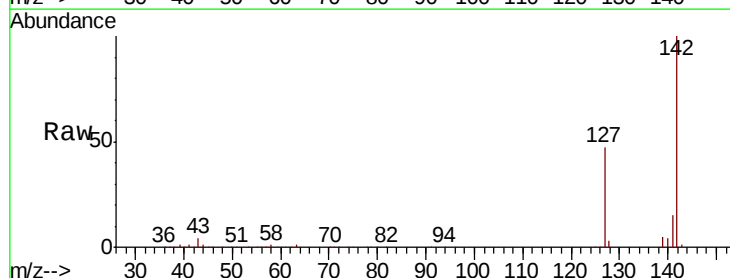
RT: 2.50 min Scan# 221

Delta R.T. -0.01 min

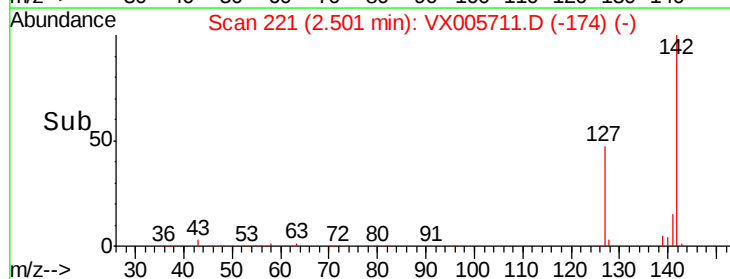
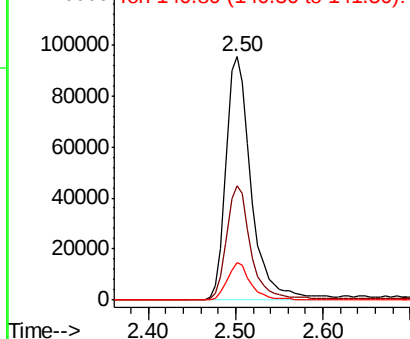
Lab File: VX005711.D

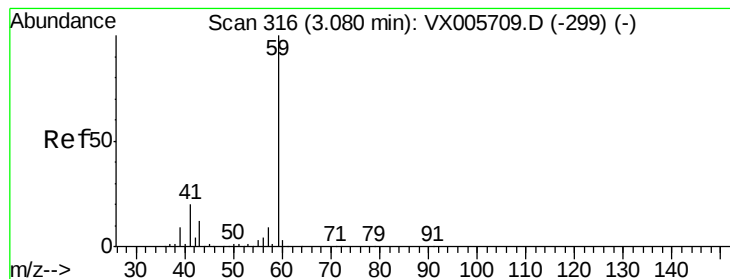
Acq: 31 Oct 2018 16:14

Tgt Ion:	142	Resp:	192178
Ion Ratio	Lower	Upper	
142	100		
127	45.3	36.0	54.0
141	14.4	11.7	17.5



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

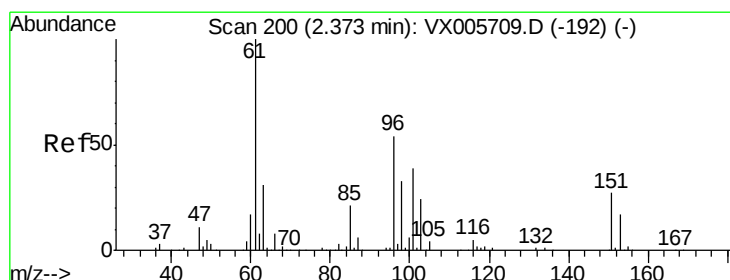
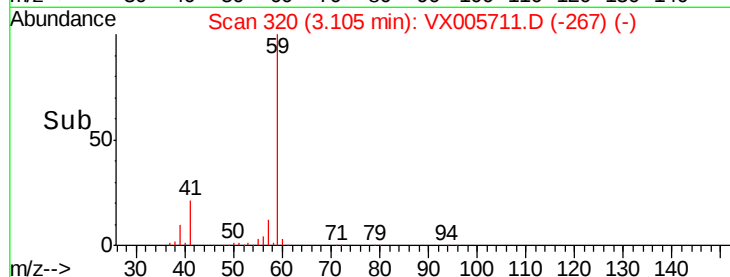
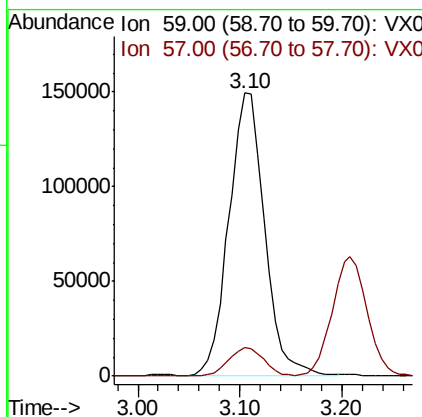
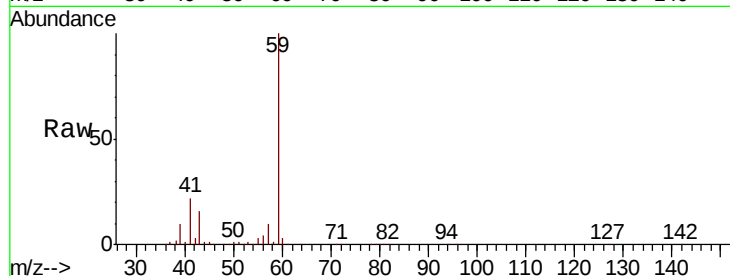
Tert butyl alcohol
 Concen: 776.710 ug/l
 RT: 3.10 min Scan# 320
 Delta R.T. 0.02 min
 Lab File: VX005711.D
 Acq: 31 Oct 2018 16:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	59.00 (58.70 to 59.70): VX0	Resp	360889
Ion	Ratio	Lower	Upper
59	100		
57	10.0	8.5	12.7

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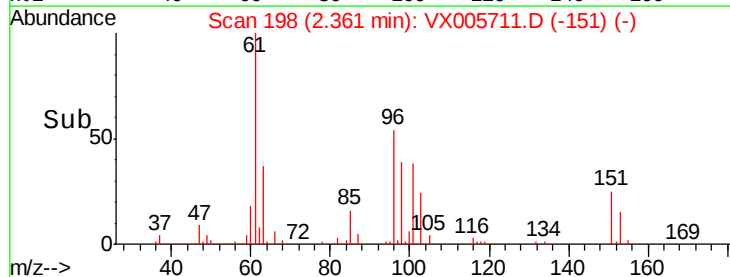
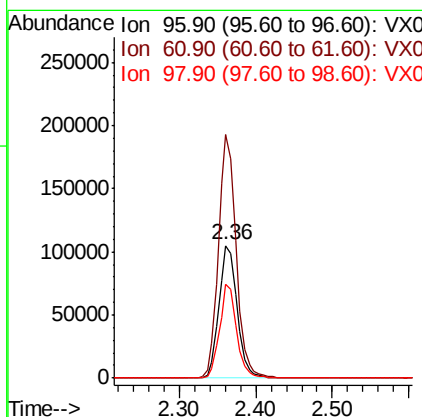
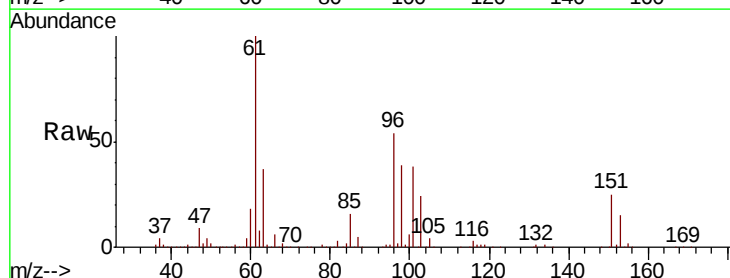
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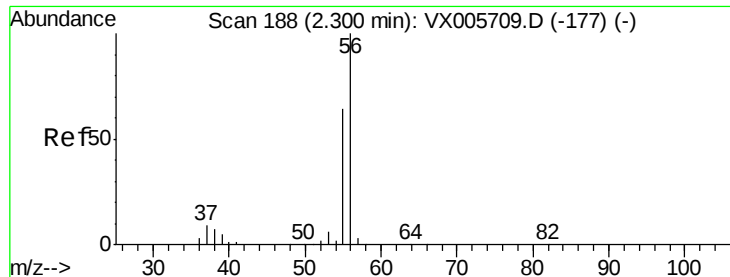


#12

1,1-Dichloroethene
 Concen: 132.888 ug/l
 RT: 2.36 min Scan# 198
 Delta R.T. -0.01 min
 Lab File: VX005711.D
 Acq: 31 Oct 2018 16:14

Tgt Ion	96	Resp	171957
Ion	Ratio	Lower	Upper
96	100		
61	183.8	131.8	197.8
98	71.3	53.4	80.2





#13

Acrolein

Concen: 879.342 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.01 min

Lab File: VX005711.D

Acq: 31 Oct 2018 16:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 56 Resp: 261042

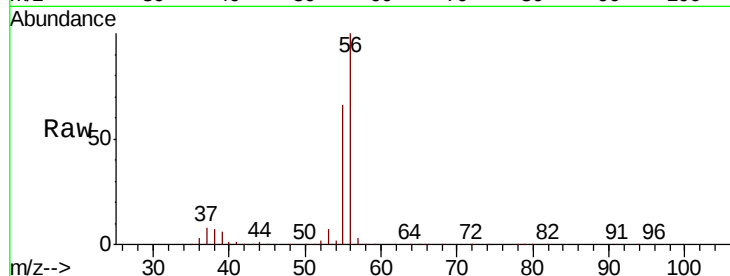
Ion Ratio Lower Upper

56 100

55 67.3 57.3 85.9

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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

2.29

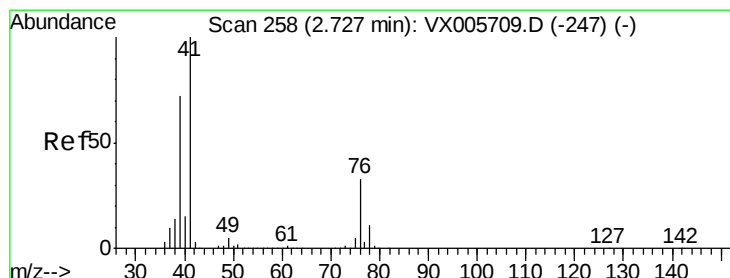
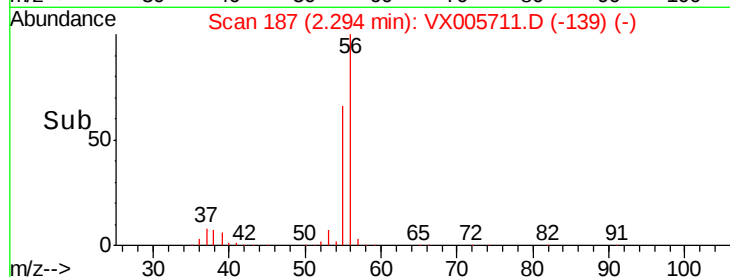
150000

100000

50000

0

Time-->



#14

Allyl chloride

Concen: 136.911 ug/l

RT: 2.72 min Scan# 257

Delta R.T. -0.01 min

Lab File: VX005711.D

Acq: 31 Oct 2018 16:14

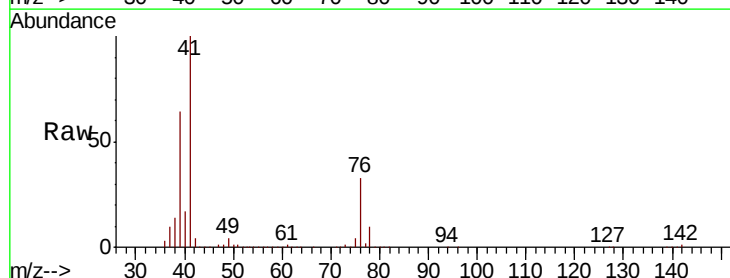
Tgt Ion: 41 Resp: 364669

Ion Ratio Lower Upper

41 100

39 62.4 48.2 72.4

76 31.6 21.9 32.9



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0

400000

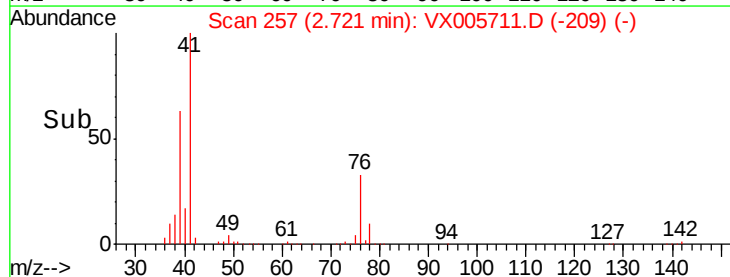
300000

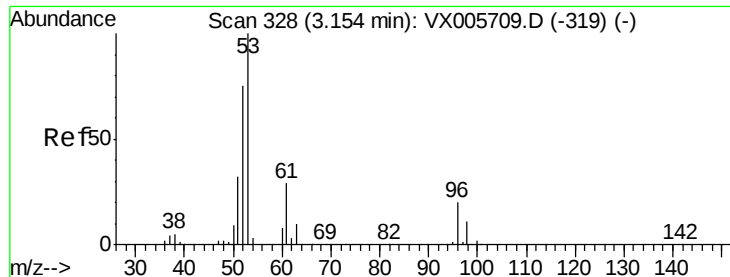
200000

100000

0

Time-->





#15

Acrylonitrile

Concen: 722.820 ug/l

RT: 3.15 min Scan# 328

Delta R.T. 0.00 min

Lab File: VX005711.D

Acq: 31 Oct 2018 16:14

Instrument :

MSVOA_X

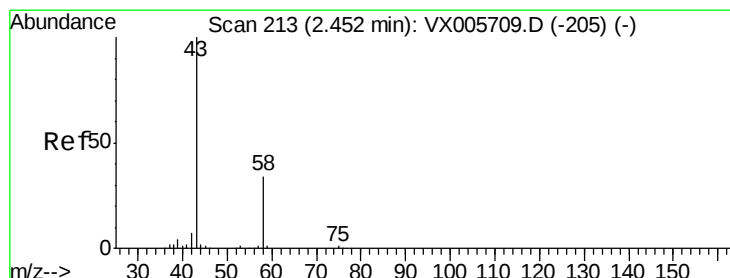
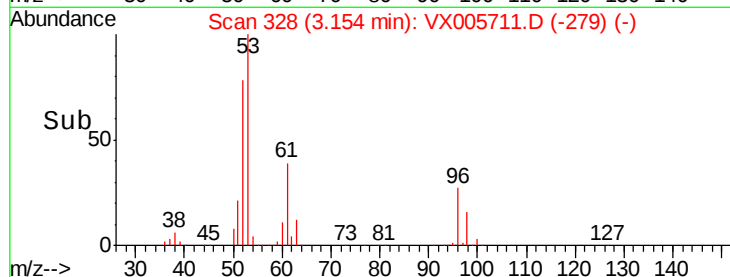
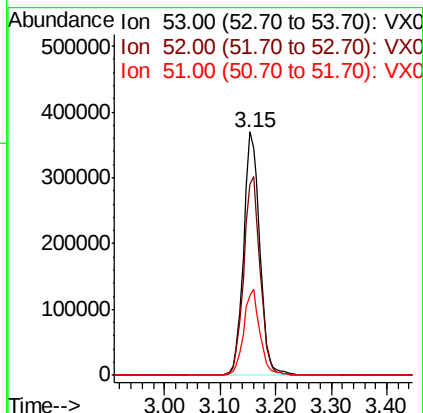
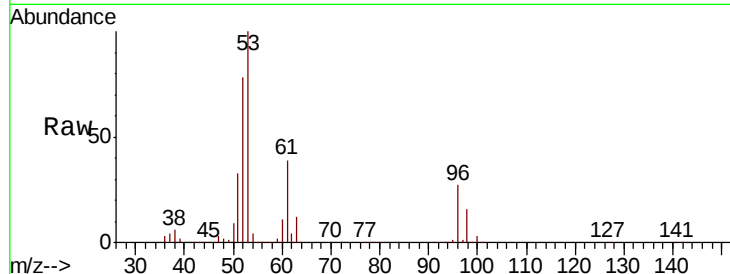
ClientSampleId :

VSTDIC150

Tot Ion:	53	Resp:	748307
Ion Ratio	Lower	Upper	
53	100		
52	82.5	66.6	99.8
51	35.6	28.4	42.6

Manual Integrations
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#16

Acetone

Concen: 631.589 ug/l

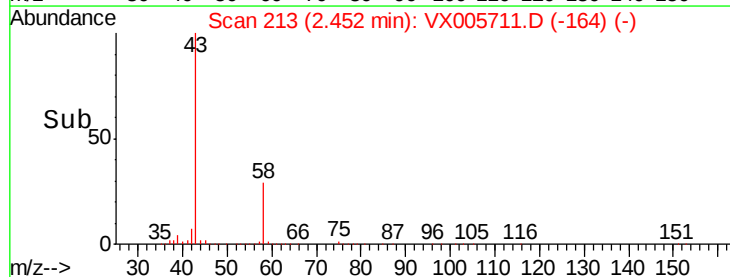
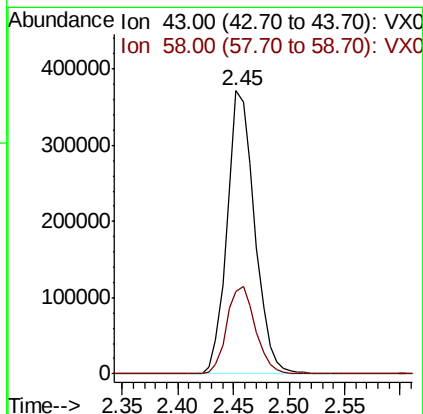
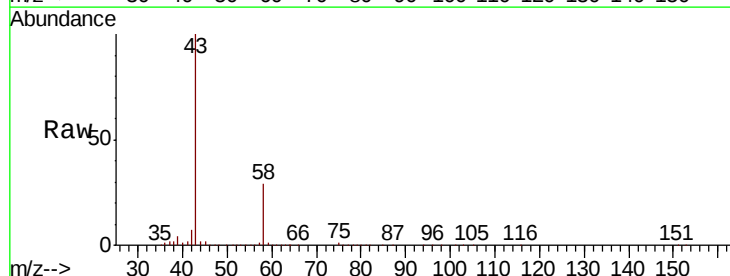
RT: 2.45 min Scan# 213

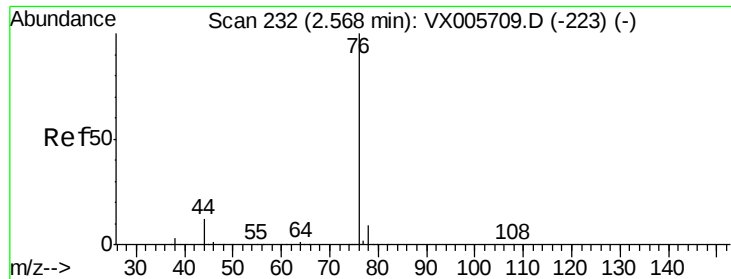
Delta R.T. 0.00 min

Lab File: VX005711.D

Acq: 31 Oct 2018 16:14

Tgt Ion:	43	Resp:	636628
Ion Ratio	Lower	Upper	
43	100		
58	29.0	23.8	35.6





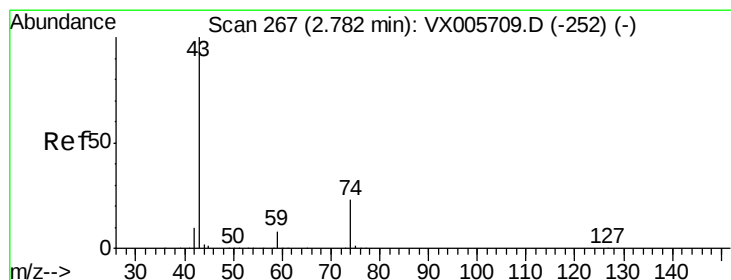
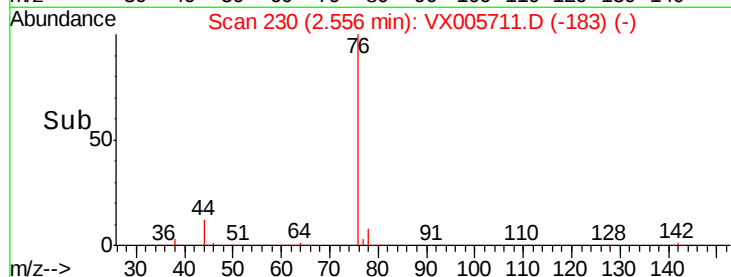
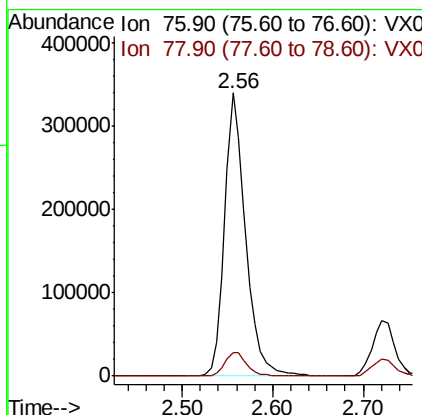
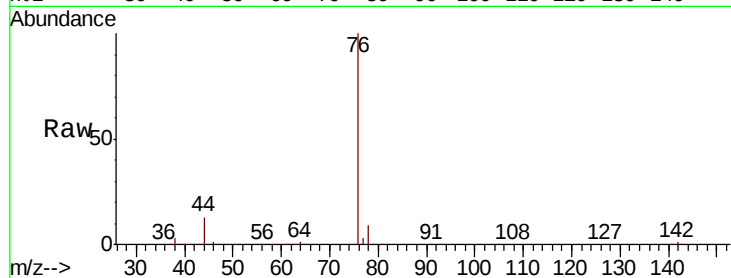
#17
Carbon Disulfide
Concen: 138.580 ug/l
RT: 2.56 min Scan# 230
Delta R.T. -0.01 min
Lab File: VX005711.D
Acq: 31 Oct 2018 16:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.5	7.3	10.9

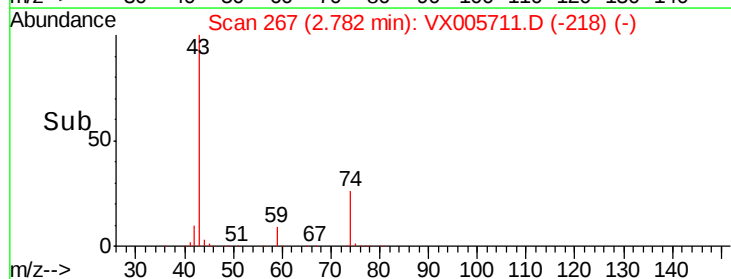
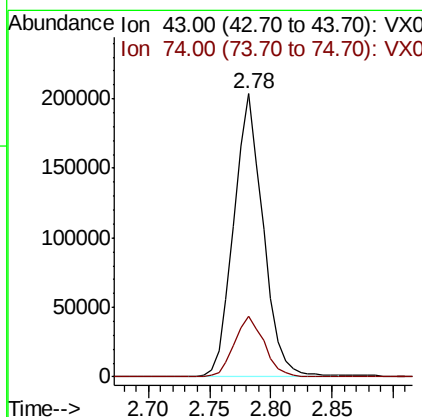
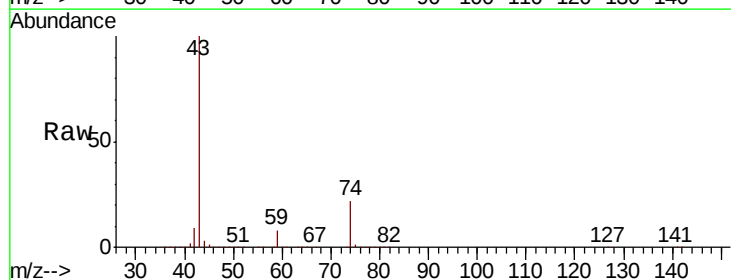
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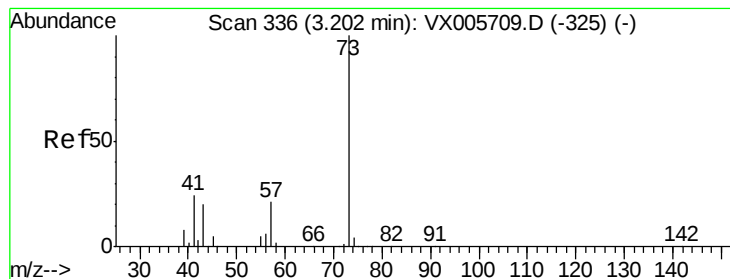
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11/1/2018 9:49:30 AM



#18
Methyl Acetate
Concen: 134.254 ug/l
RT: 2.78 min Scan# 267
Delta R.T. 0.00 min
Lab File: VX005711.D
Acq: 31 Oct 2018 16:14

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.1	16.8	25.2





#19

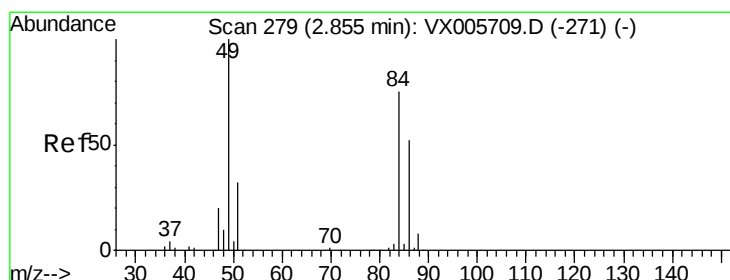
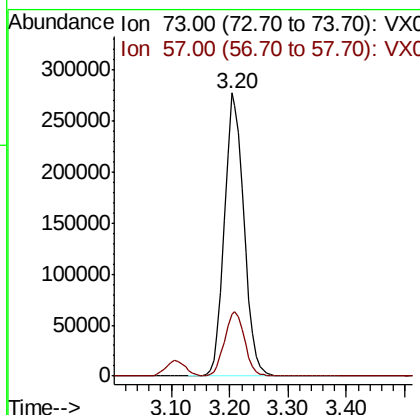
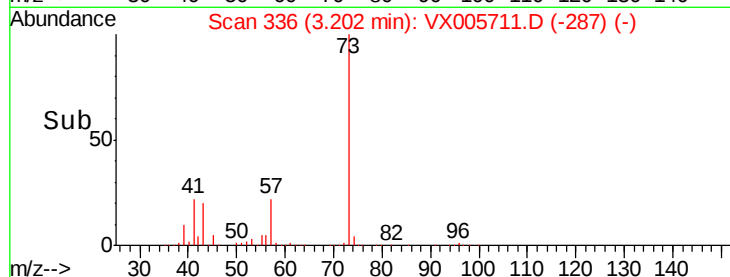
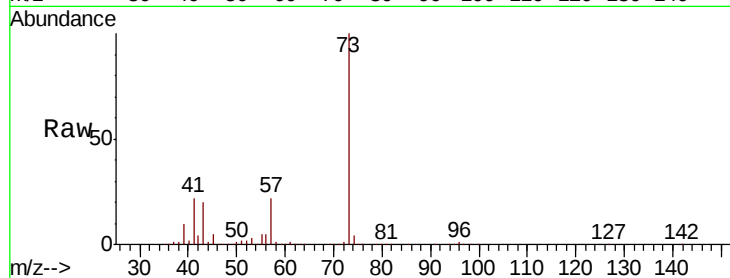
Methyl tert-butyl Ether
 Concen: 145.920 ug/l
 RT: 3.20 min Scan# 336
 Delta R.T. 0.00 min
 Lab File: VX005711.D
 Acq: 31 Oct 2018 16:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.9	18.8	28.2

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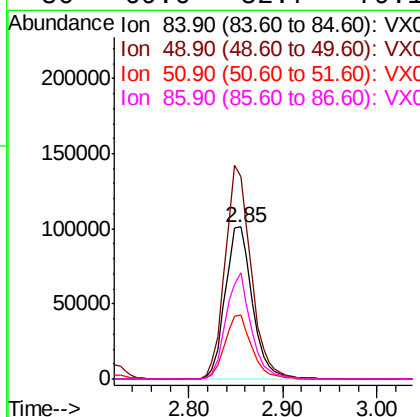
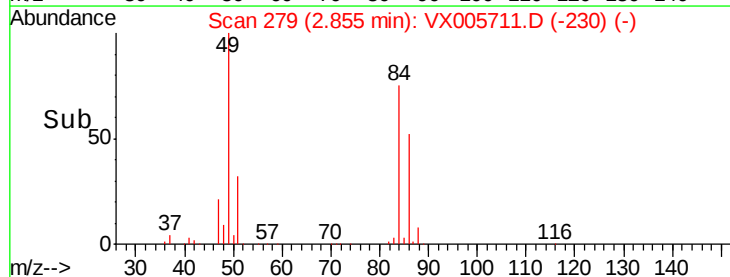
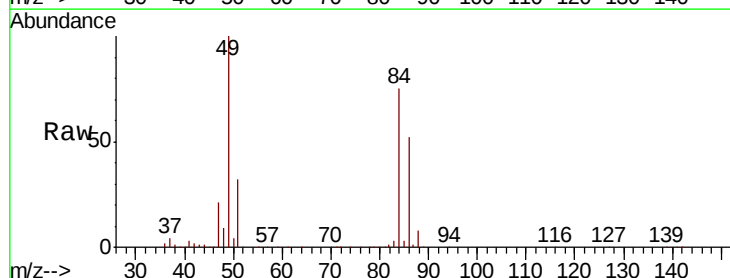
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 11/1/2018 9:49:30 AM

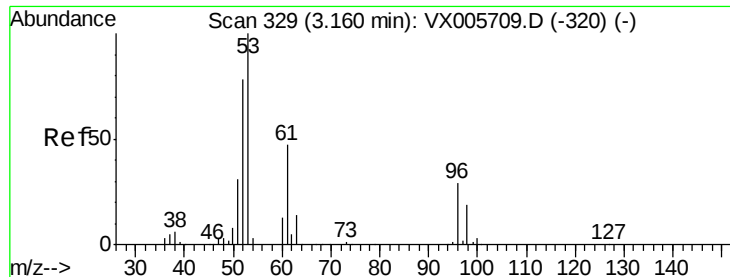


#20

Methylene Chloride
 Concen: 133.540 ug/l
 RT: 2.85 min Scan# 279
 Delta R.T. 0.00 min
 Lab File: VX005711.D
 Acq: 31 Oct 2018 16:14

Tgt Ion	Ratio	Lower	Upper
84	100		
49	133.2	109.5	164.3
51	42.2	33.3	49.9
86	69.6	52.7	79.1





#21

trans-1,2-Dichloroethene

Concen: 139.215 ug/l

RT: 3.15 min Scan# 328

Delta R.T. -0.01 min

Lab File: VX005711.D

Acq: 31 Oct 2018 16:14

Instrument :

MSVOA_X

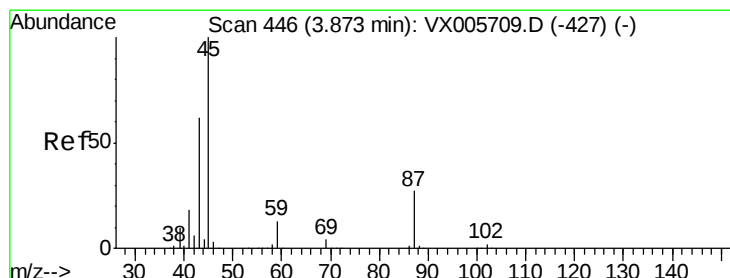
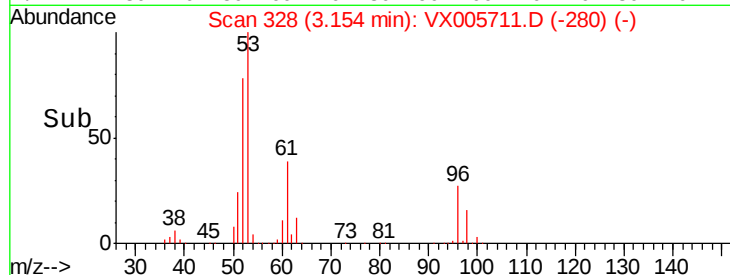
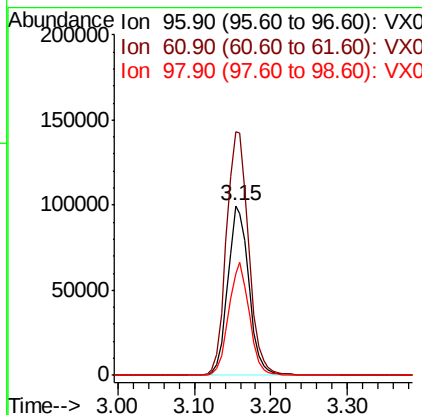
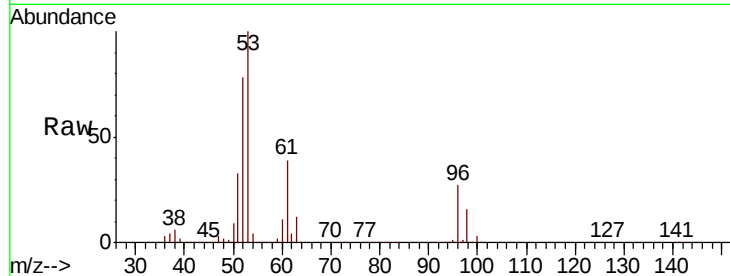
ClientSampleId :

VSTDIC150

Tot Ion:	96	Resp:	189261
Ion	Ratio	Lower	Upper
96	100		
61	143.7	115.6	173.4
98	60.0	50.2	75.2

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#22

Diisopropyl ether

Concen: 149.861 ug/l

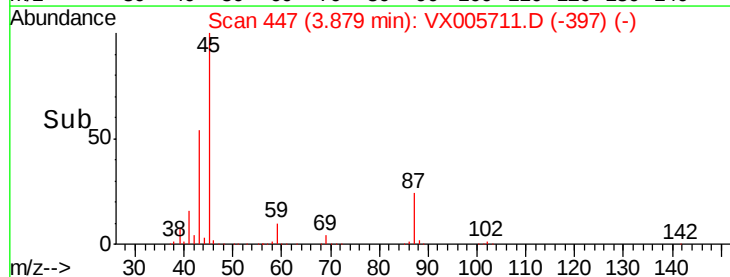
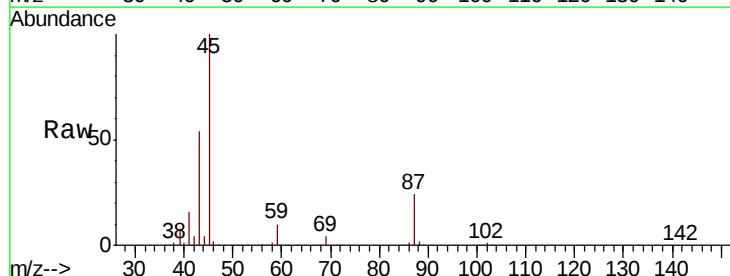
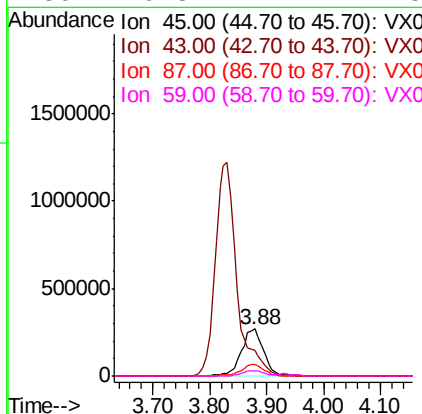
RT: 3.88 min Scan# 447

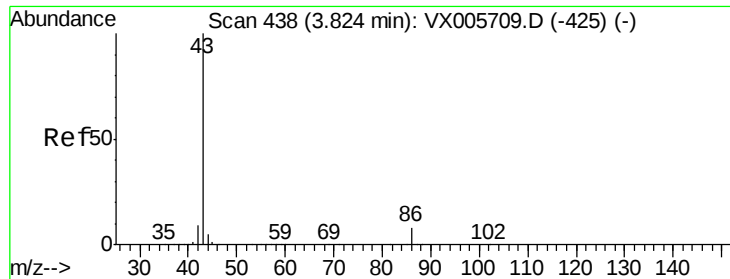
Delta R.T. 0.01 min

Lab File: VX005711.D

Acq: 31 Oct 2018 16:14

Tgt Ion:	45	Resp:	729799
Ion	Ratio	Lower	Upper
45	100		
43	53.9	47.4	71.2
87	24.3	15.9	23.9
59	10.3	7.7	11.5





#23

Vinyl Acetate

Concen: 753.564 ug/l

RT: 3.83 min Scan# 439

Delta R.T. 0.01 min

Lab File: VX005711.D

Acq: 31 Oct 2018 16:14

Instrument :

MSVOA_X

ClientSampled :

VSTDIC150

Tot Ion: 43 Resp: 3193346

Ion Ratio Lower Upper

43 100

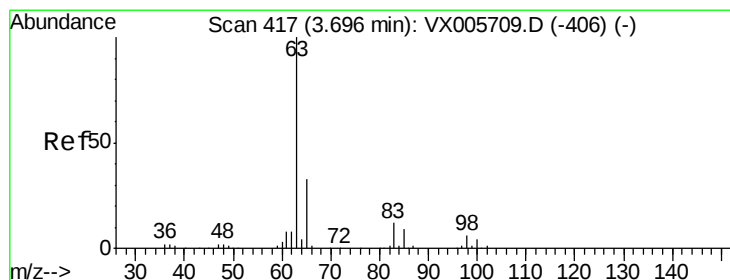
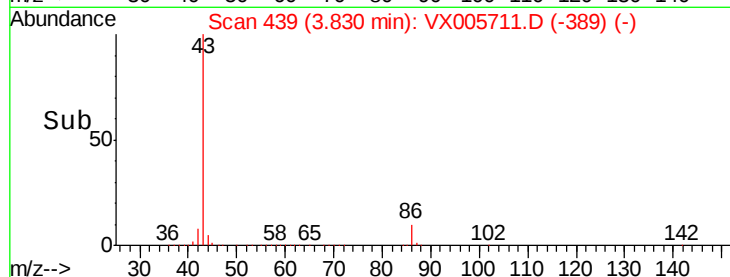
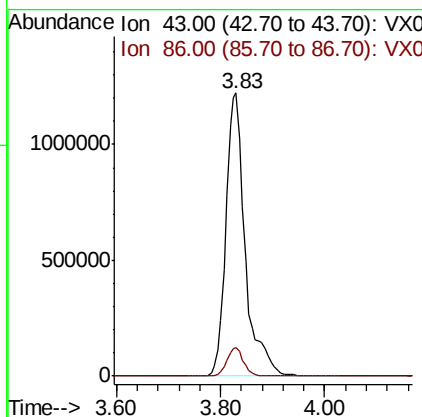
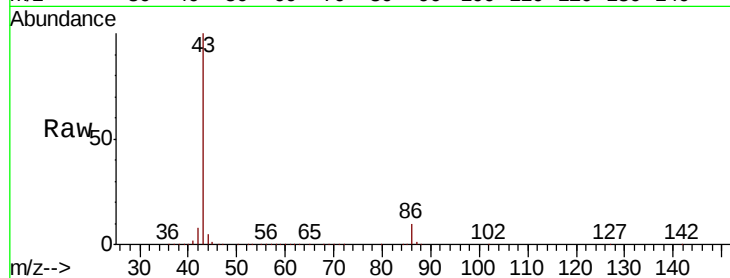
86 10.3 7.4 11.2

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#24

1,1-Dichloroethane

Concen: 133.250 ug/l

RT: 3.69 min Scan# 416

Delta R.T. -0.01 min

Lab File: VX005711.D

Acq: 31 Oct 2018 16:14

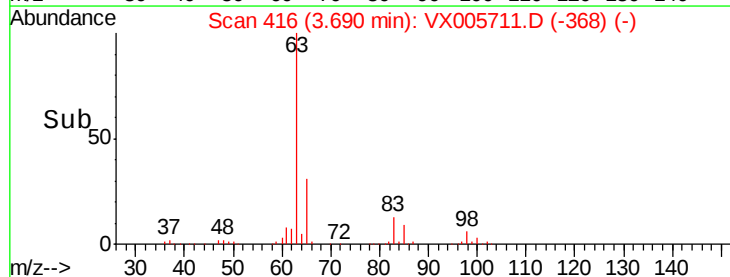
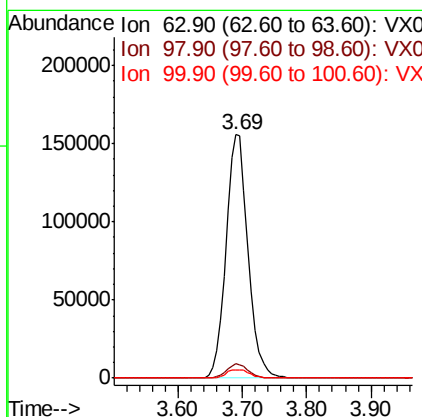
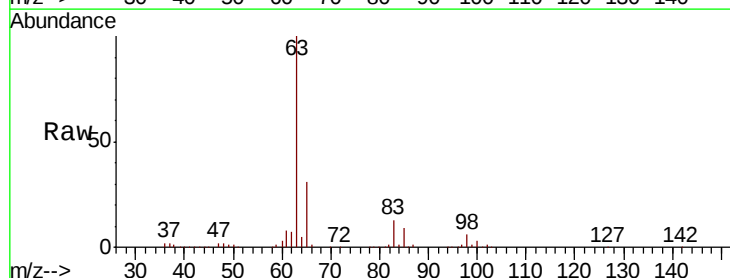
Tgt Ion: 63 Resp: 373826

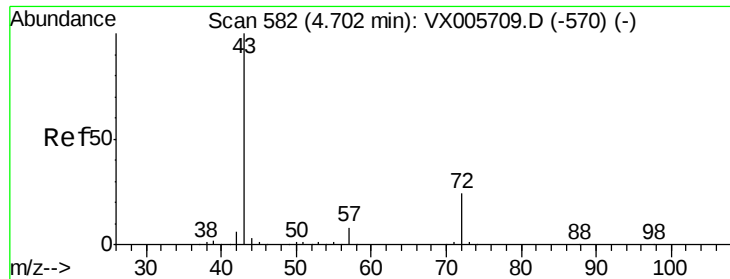
Ion Ratio Lower Upper

63 100

98 5.7 3.2 9.6

100 3.4 2.1 6.2





#25

2-Butanone

Concen: 713.799 ug/l

RT: 4.71 min Scan# 584

Delta R.T. 0.01 min

Lab File: VX005711.D

Acq: 31 Oct 2018 16:14

Instrument :

MSVOA_X

ClientSampled :

VSTDIC150

Tot Ion: 43 Resp: 1045948

Ion Ratio Lower Upper

43 100

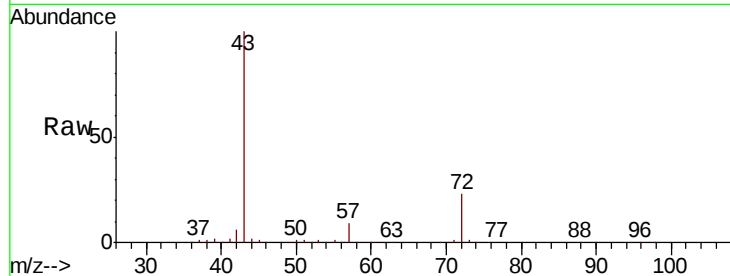
72 23.1 19.2 28.8

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

4.71

400000

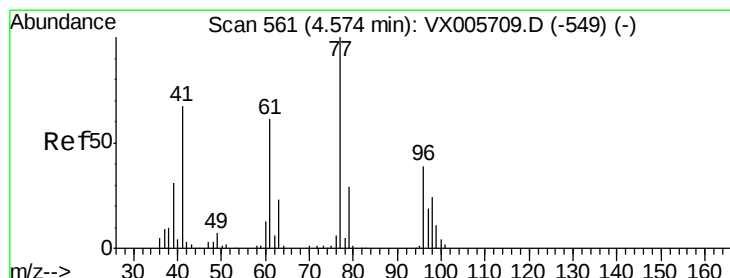
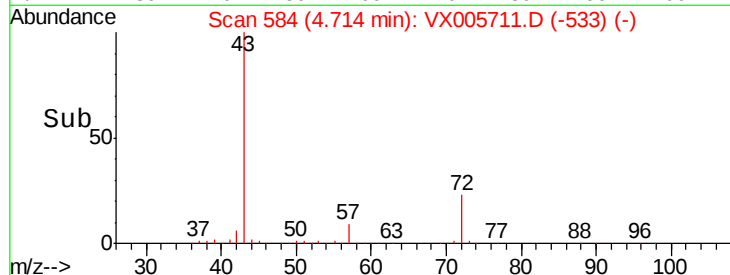
300000

200000

100000

0

Time-->



#26

2,2-Dichloropropane

Concen: 134.362 ug/l

RT: 4.57 min Scan# 561

Delta R.T. 0.00 min

Lab File: VX005711.D

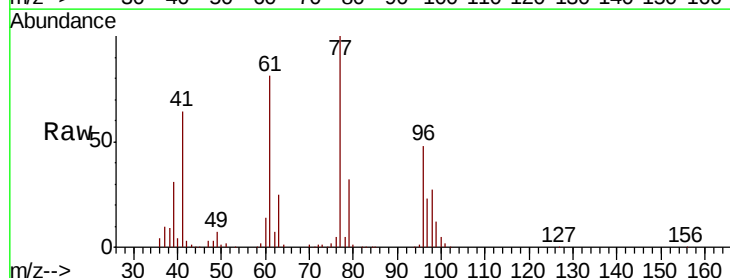
Acq: 31 Oct 2018 16:14

Tgt Ion: 77 Resp: 281423

Ion Ratio Lower Upper

77 100

97 23.3 11.5 34.5



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

4.57

100000

80000

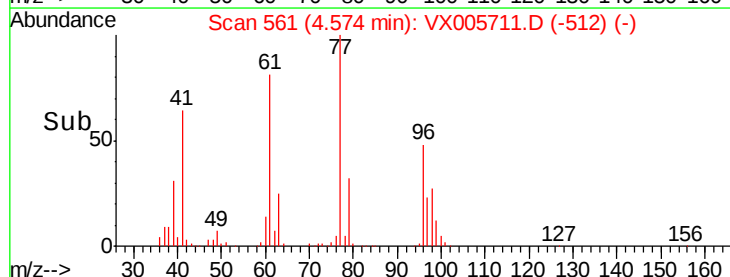
60000

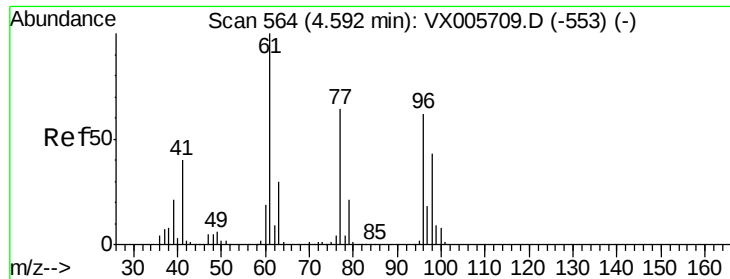
40000

20000

0

Time-->





#27

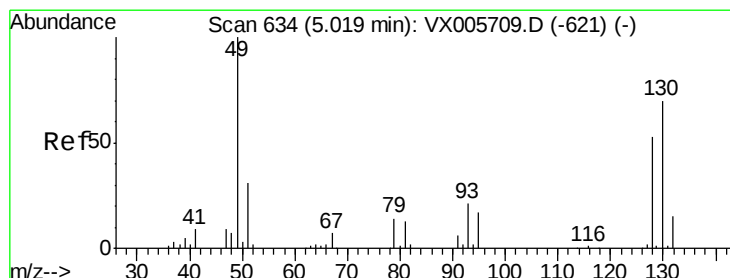
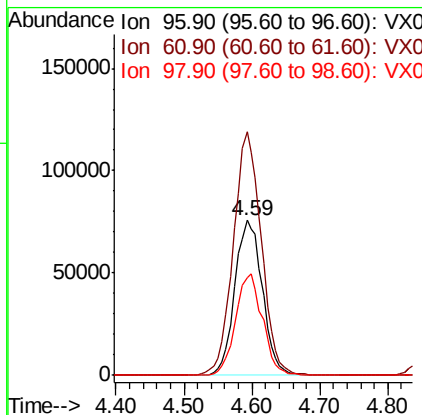
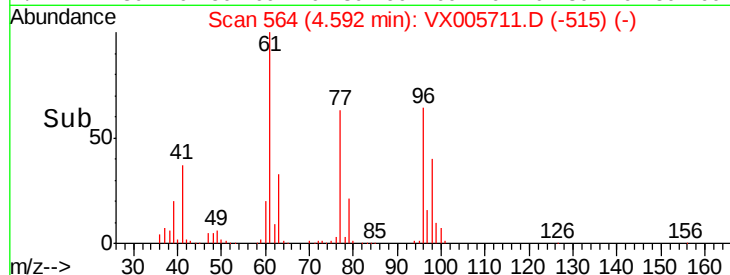
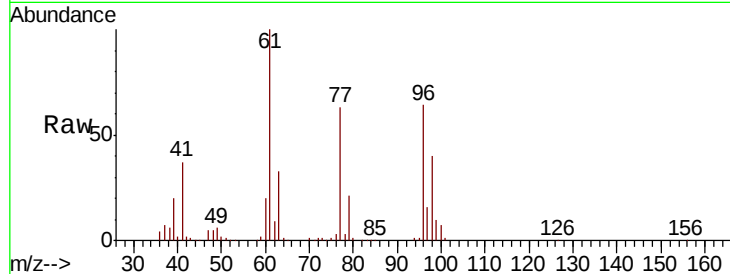
cis-1,2-Dichloroethene
Concen: 139.499 ug/l
RT: 4.59 min Scan# 564
Delta R.T. 0.00 min
Lab File: VX005711.D
Acq: 31 Oct 2018 16:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
96	100	213035		
61	159.1	0.0	304.6	
98	64.0	0.0	127.4	

Manual Integrations
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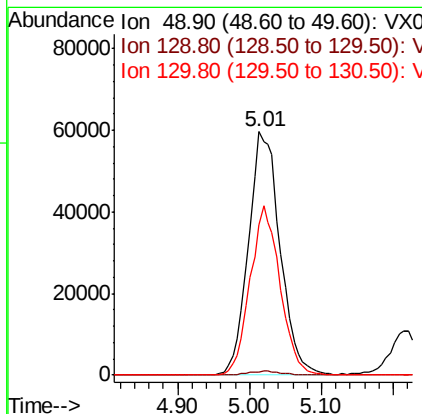
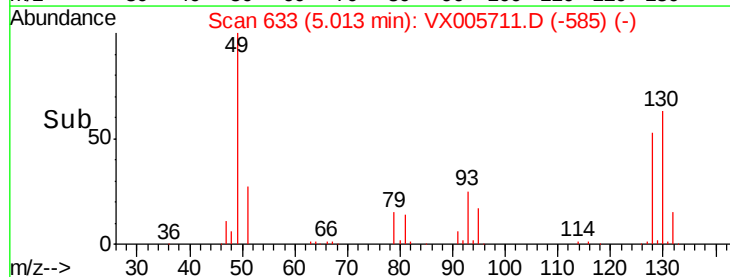
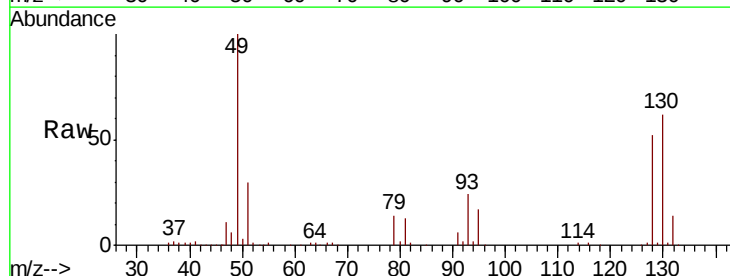
MMDadoda
11/1/2018 9:49:30 AM

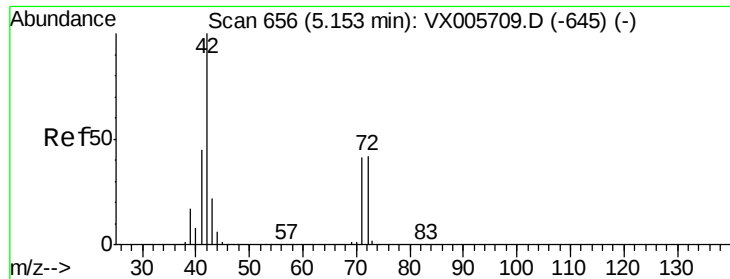


#28

Bromochloromethane
Concen: 133.106 ug/l
RT: 5.01 min Scan# 633
Delta R.T. -0.01 min
Lab File: VX005711.D
Acq: 31 Oct 2018 16:14

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	182211		
129	1.7	0.0	4.0	
130	66.0	58.9	88.3	





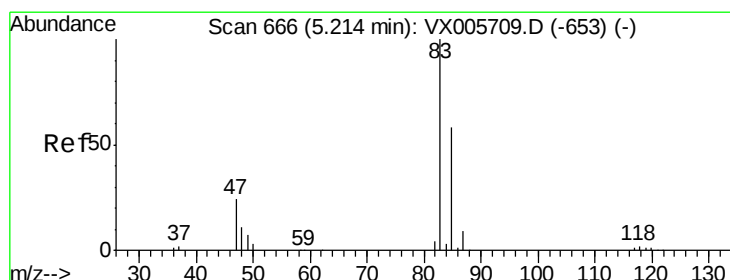
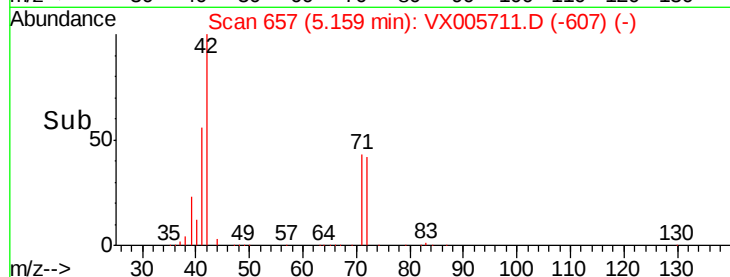
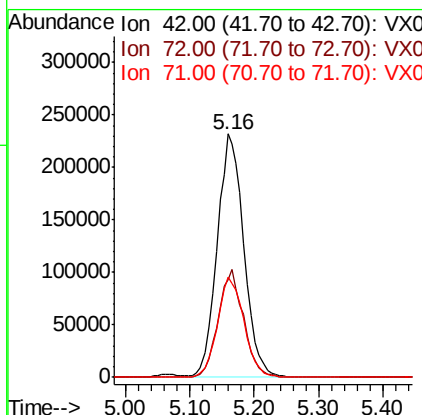
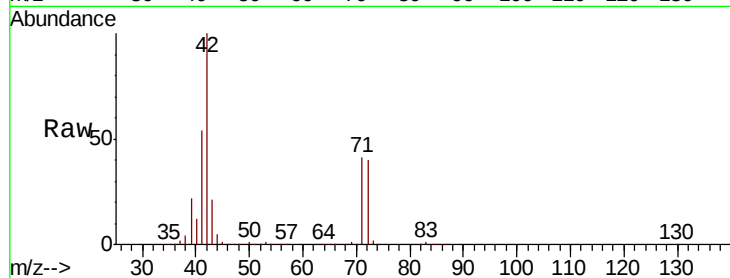
#29
Tetrahydrofuran
Concen: 761.921 ug/l
RT: 5.16 min Scan# 657
Delta R.T. 0.01 min
Lab File: VX005711.D
Acq: 31 Oct 2018 16:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.3	32.0	48.0
71	40.9	29.8	44.8

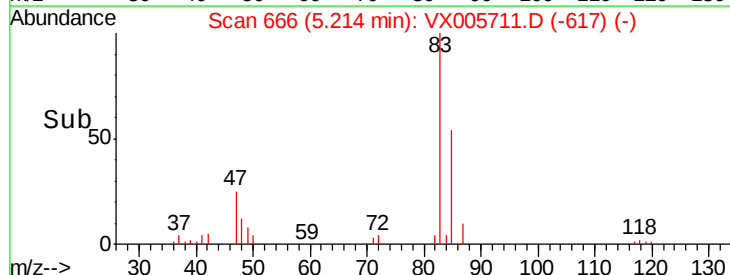
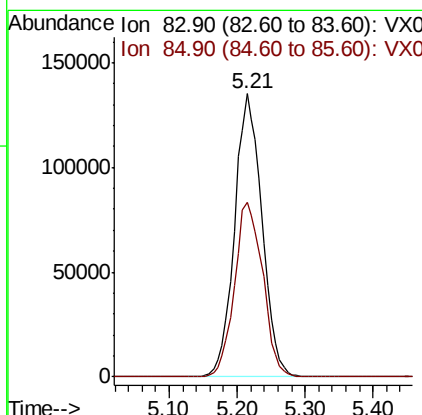
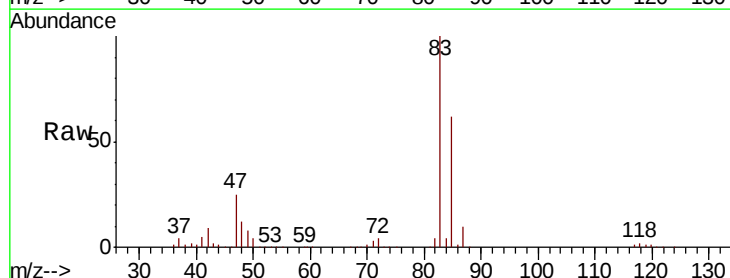
Manual Integrations
APPROVED

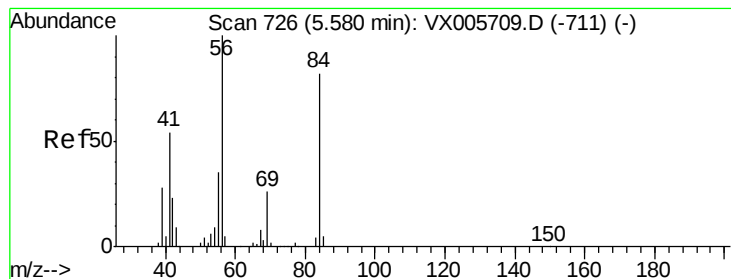
MMDadoda
11/1/2018 9:49:30 AM



#30
Chloroform
Concen: 138.252 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.00 min
Lab File: VX005711.D
Acq: 31 Oct 2018 16:14

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.7	50.6	76.0





#31

Cyclohexane

Concen: 152.687 ug/l

RT: 5.57 min Scan# 724

Delta R.T. -0.01 min

Lab File: VX005711.D

Acq: 31 Oct 2018 16:14

Instrument :

MSVOA_X

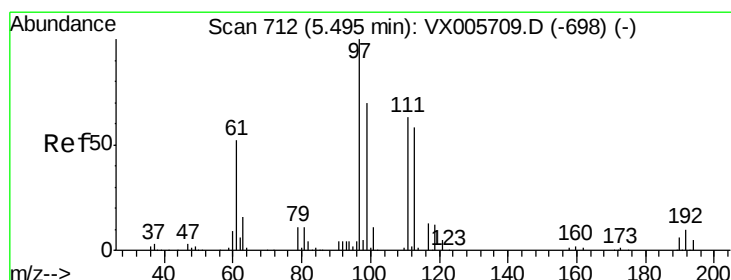
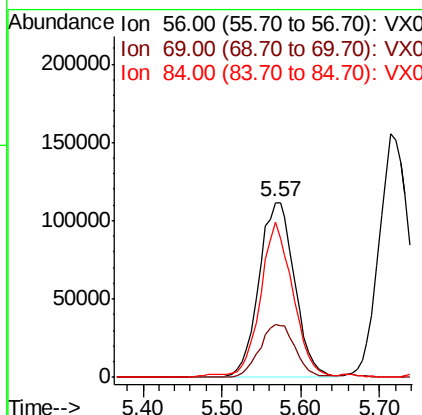
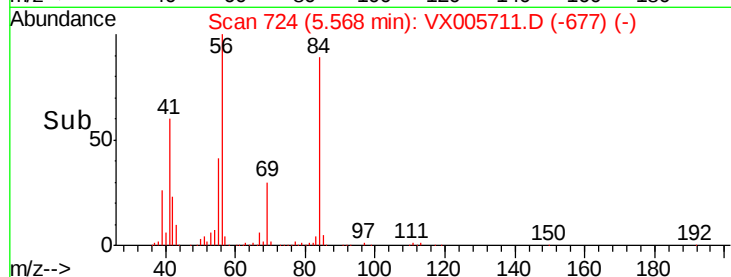
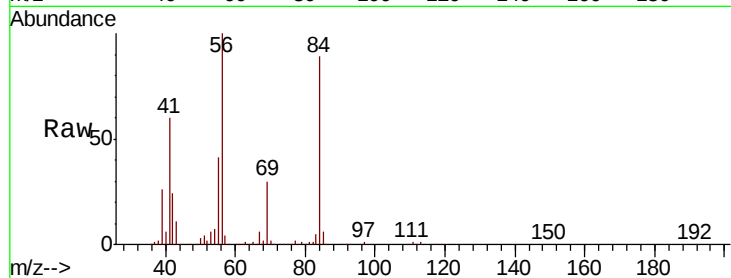
ClientSampleId :

VSTDIC150

Tot Ion:	56	Resp:	350491
Ion Ratio	Lower	Upper	
56	100		
69	30.3	22.6	34.0
84	88.8	62.7	94.1

Manual Integrations
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11/1/2018 9:49:30 AM



#32

1,1,1-Trichloroethane

Concen: 144.788 ug/l

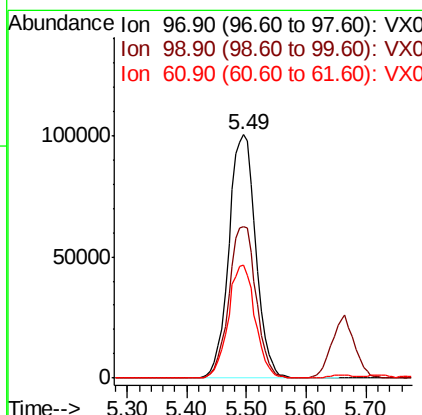
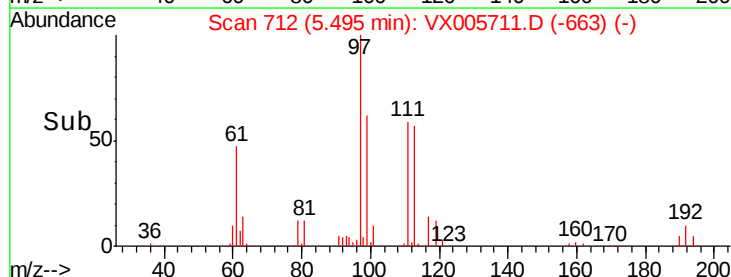
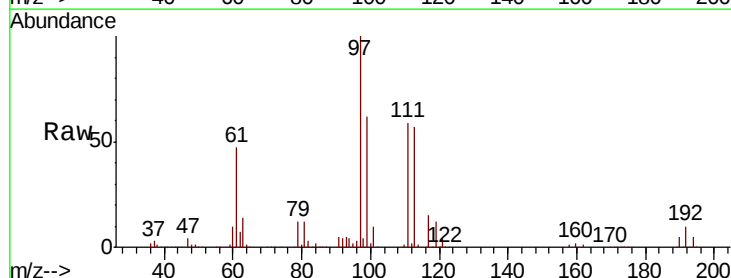
RT: 5.49 min Scan# 712

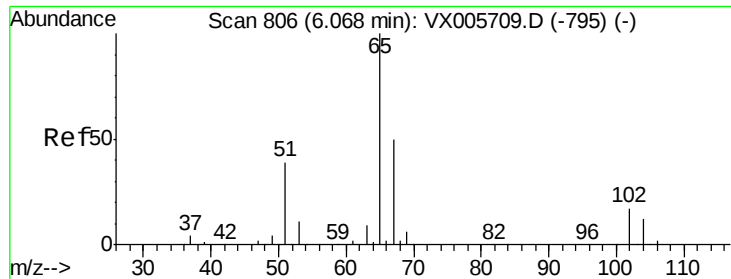
Delta R.T. 0.00 min

Lab File: VX005711.D

Acq: 31 Oct 2018 16:14

Tgt Ion:	97	Resp:	313735
Ion Ratio	Lower	Upper	
97	100		
99	63.0	52.3	78.5
61	46.6	35.2	52.8





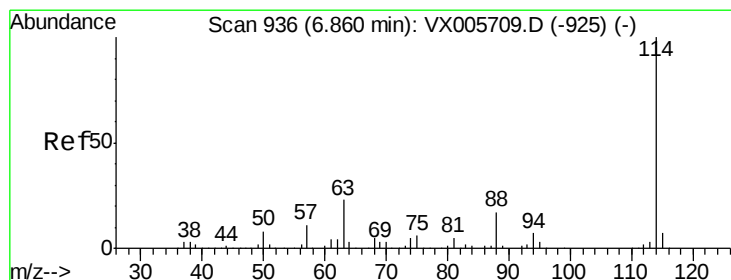
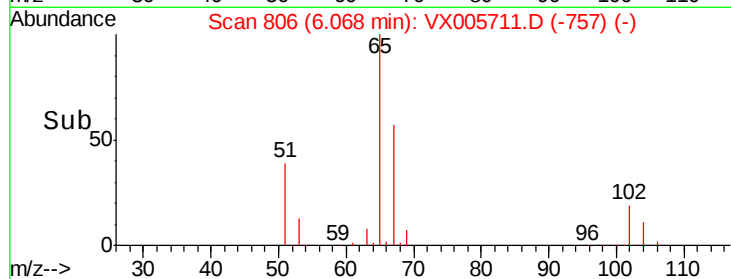
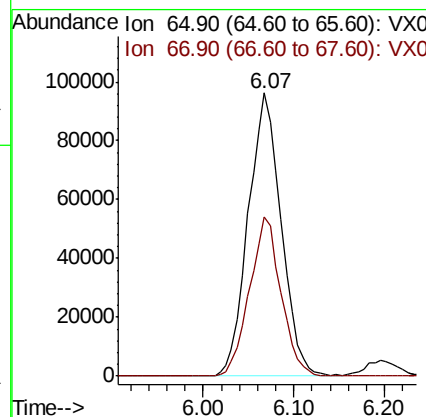
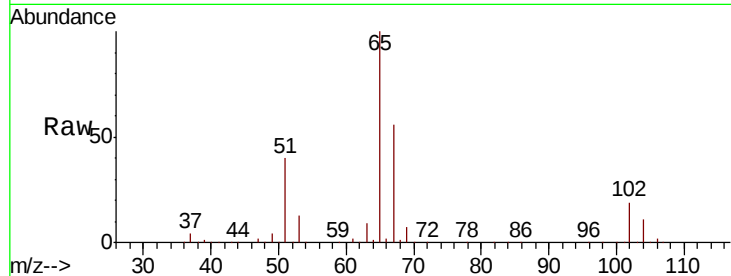
#33
 1,2-Dichloroethane-d4
 Concen: 138.104 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.00 min
 Lab File: VX005711.D
 Acq: 31 Oct 2018 16:14

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.9	0.0	105.0

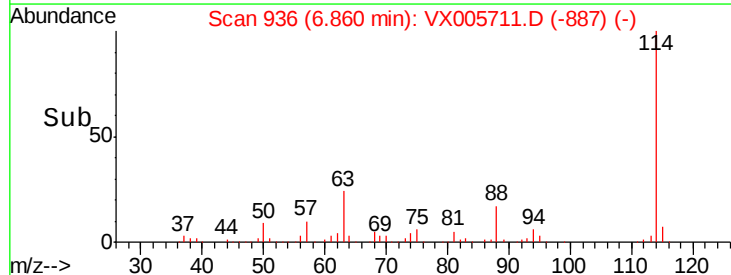
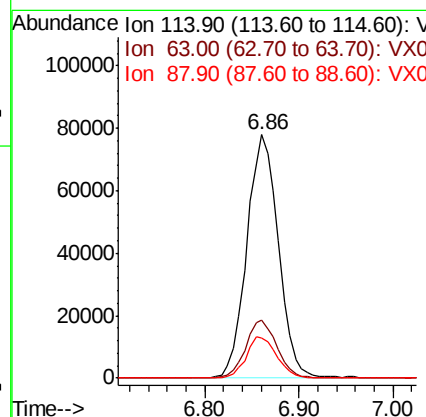
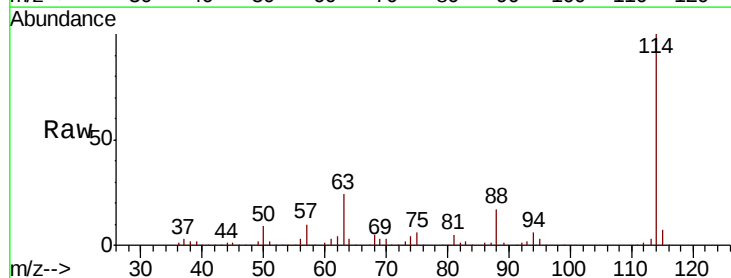
Manual Integrations
 APPROVED

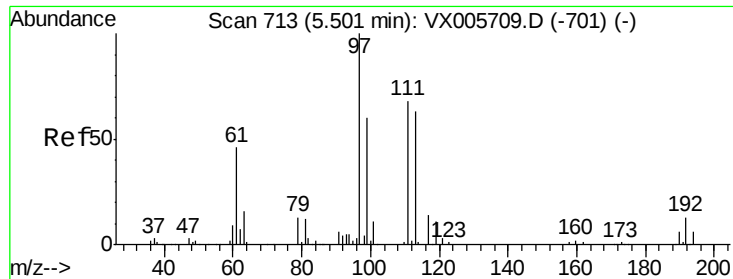
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 11/1/2018 9:49:30 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX005711.D
 Acq: 31 Oct 2018 16:14

Tgt Ion	Ratio	Lower	Upper
114	100		
63	23.7	0.0	42.8
88	16.6	0.0	31.2





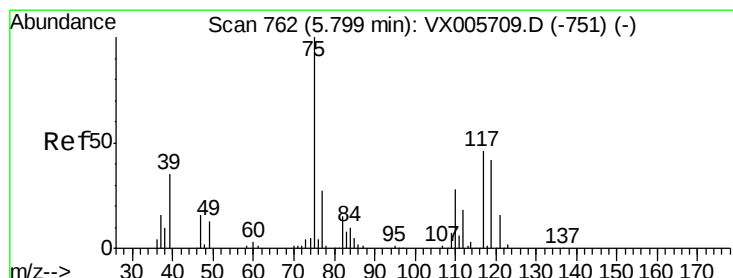
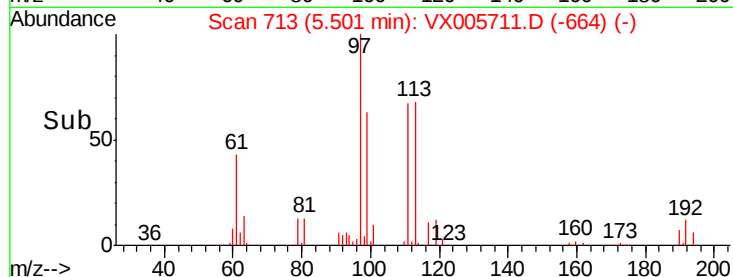
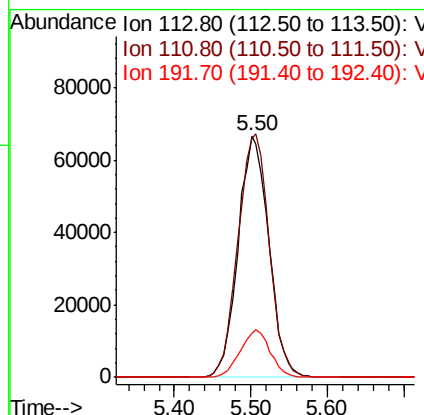
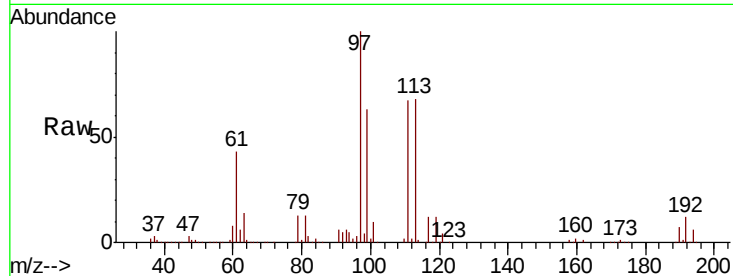
#35
Dibromofluoromethane
Concen: 145.141 ug/l
RT: 5.50 min Scan# 713
Delta R.T. 0.00 min
Lab File: VX005711.D
Acq: 31 Oct 2018 16:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
113	100	185495		
111	102.8	82.3	123.5	
192	19.4	17.9	26.9	

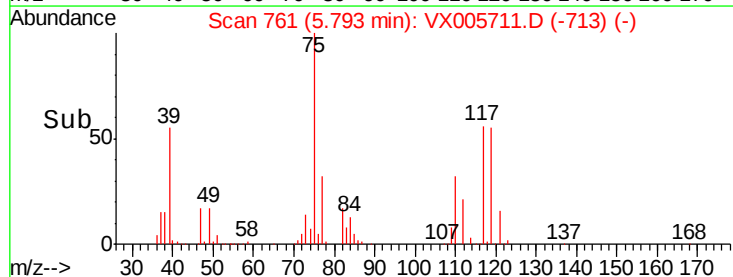
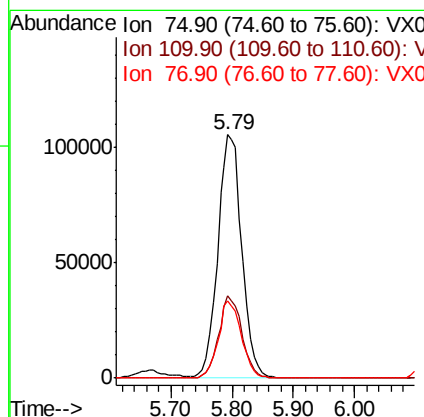
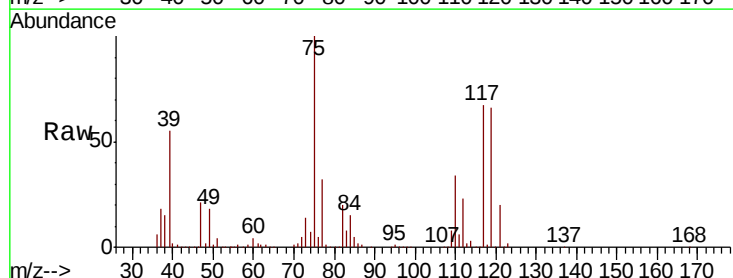
Manual Integrations
APPROVED

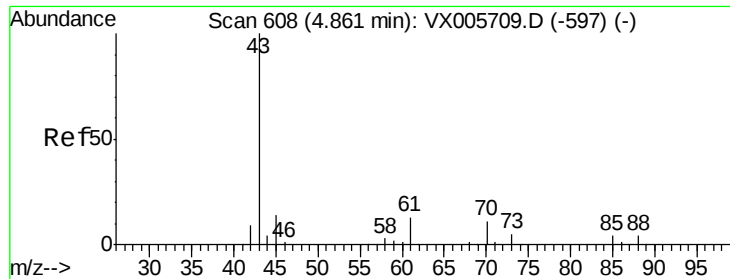
MMDadoda
11/1/2018 9:49:30 AM



#36
1,1-Dichloropropene
Concen: 146.733 ug/l
RT: 5.79 min Scan# 761
Delta R.T. -0.01 min
Lab File: VX005711.D
Acq: 31 Oct 2018 16:14

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	287731		
110	32.8	17.4	52.2	
77	30.8	25.8	38.6	





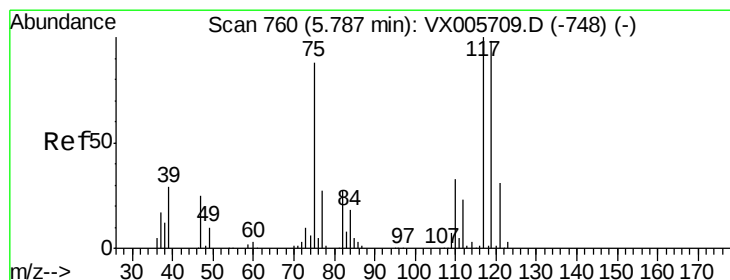
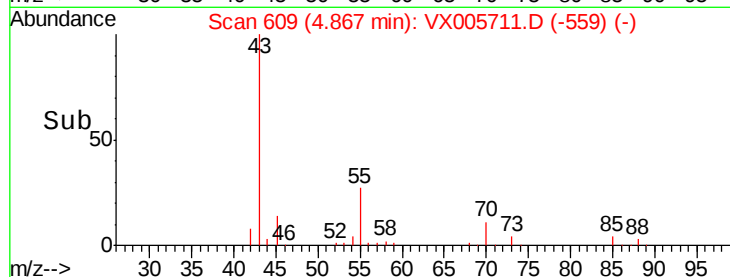
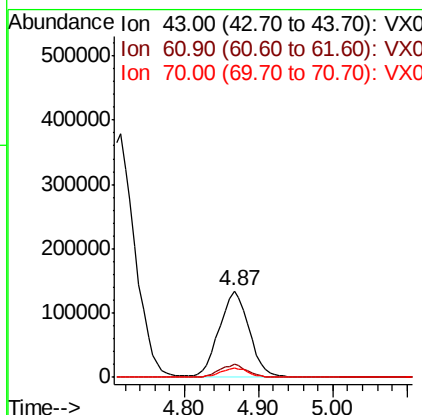
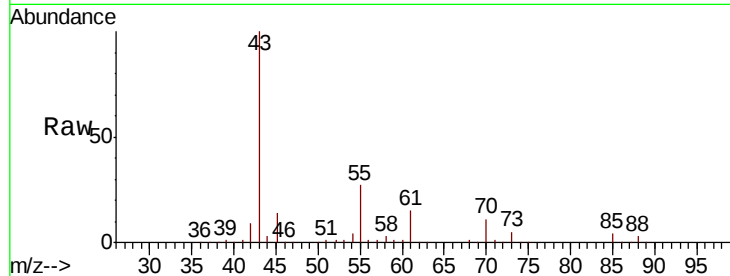
#37
Ethyl Acetate
Concen: 152.130 ug/l
RT: 4.87 min Scan# 609
Delta R.T. 0.01 min
Lab File: VX005711.D
Acq: 31 Oct 2018 16:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion:	43	Resp:	378306
Ion	Ratio	Lower	Upper
43	100		
61	13.9	10.8	16.2
70	10.2	7.8	11.8

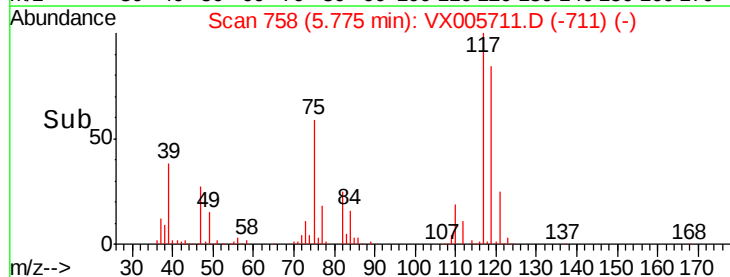
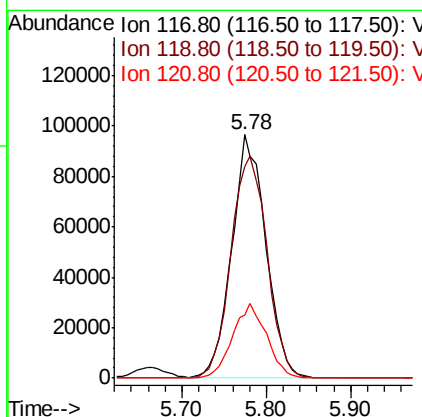
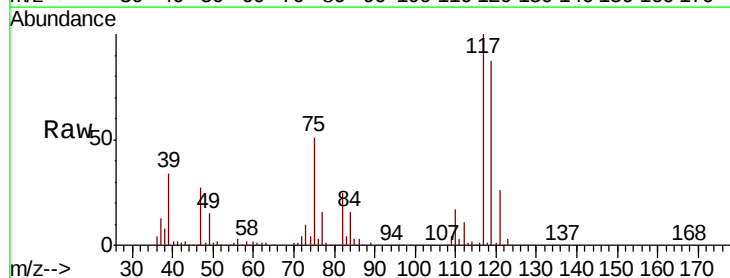
Manual Integrations
APPROVED

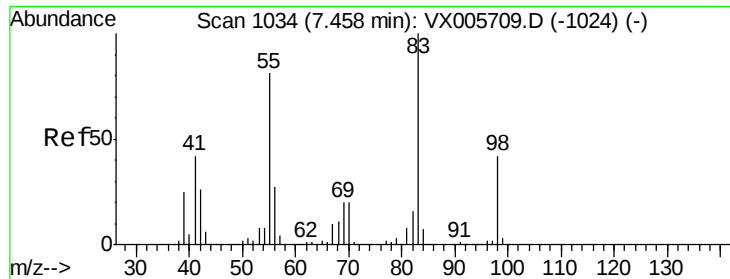
MMDadoda
11/1/2018 9:49:30 AM



#38
Carbon Tetrachloride
Concen: 149.434 ug/l
RT: 5.78 min Scan# 758
Delta R.T. -0.01 min
Lab File: VX005711.D
Acq: 31 Oct 2018 16:14

Tgt Ion:	117	Resp:	263945
Ion	Ratio	Lower	Upper
117	100		
119	87.2	78.1	117.1
121	26.0	24.6	36.8





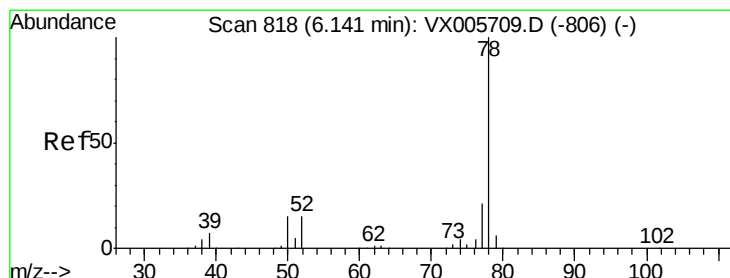
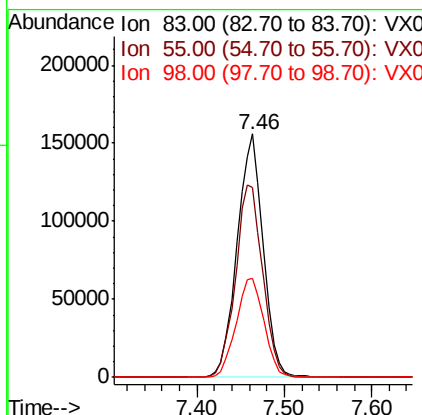
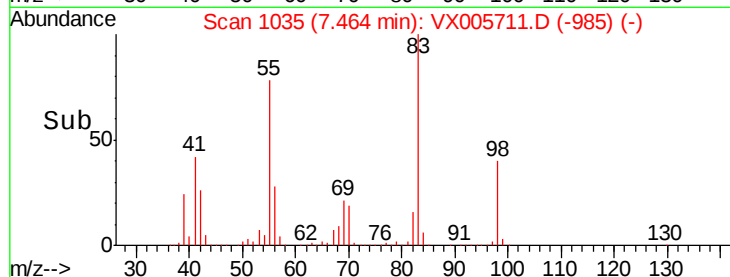
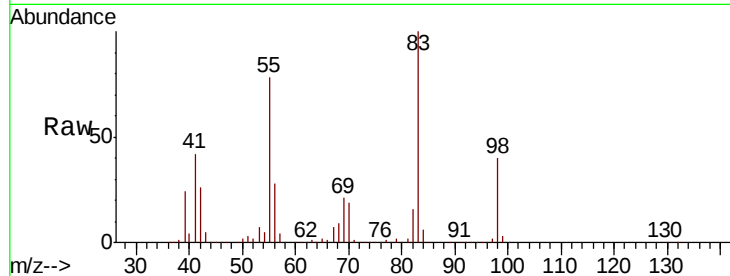
#39
Methvlcvclohexane
Concen: 160.077 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.01 min
Lab File: VX005711.D
Acq: 31 Oct 2018 16:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tot Ion	Ratio	Lower	Upper
83	100		
55	78.0	63.7	95.5
98	40.5	36.2	54.2

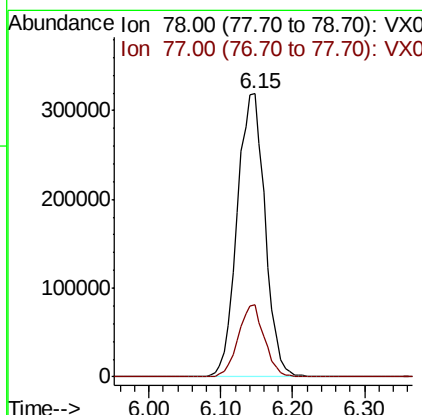
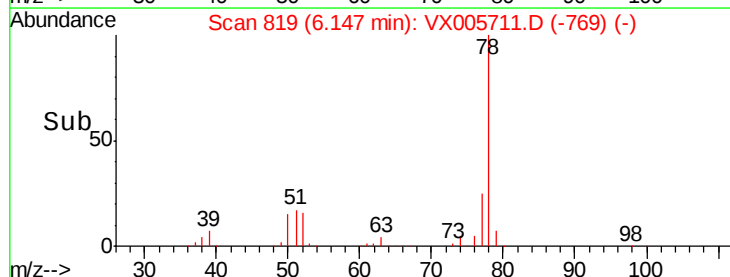
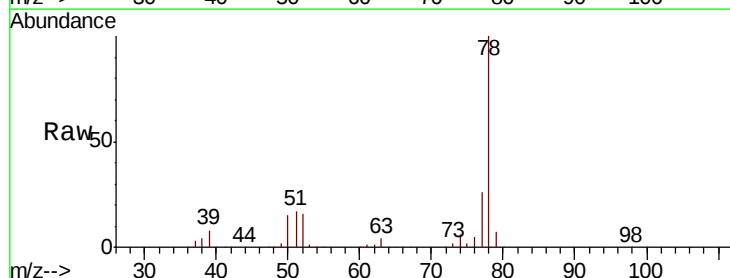
Manual Integrations
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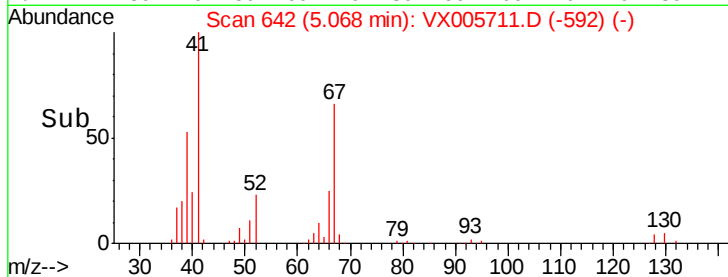
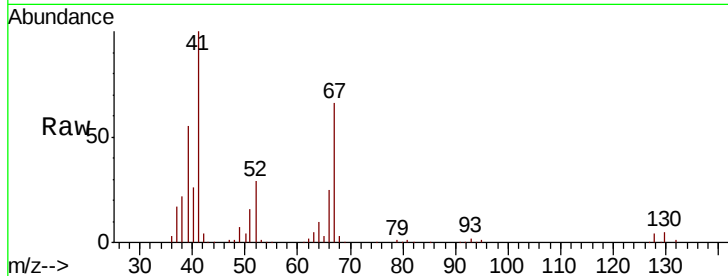
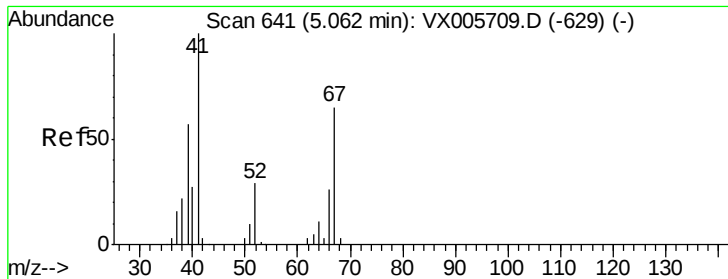
MMDadoda
11/1/2018 9:49:30 AM



#40
Benzene
Concen: 146.818 ug/l
RT: 6.15 min Scan# 819
Delta R.T. 0.01 min
Lab File: VX005711.D
Acq: 31 Oct 2018 16:14

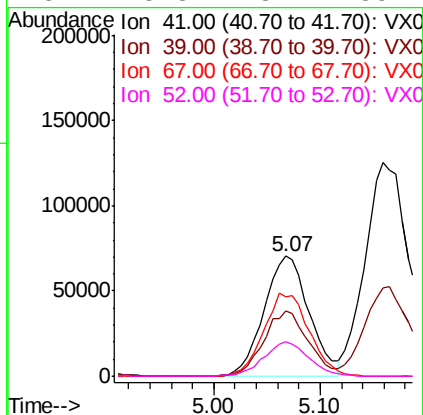
Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.7	18.4	27.6





#41
Methacrylonitrile
Concen: 154.895 ug/l
RT: 5.07 min Scan# 642
Delta R.T. 0.01 min
Lab File: VX005711.D
Acq: 31 Oct 2018 16:14

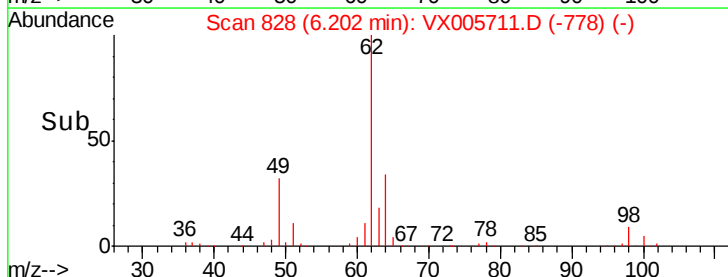
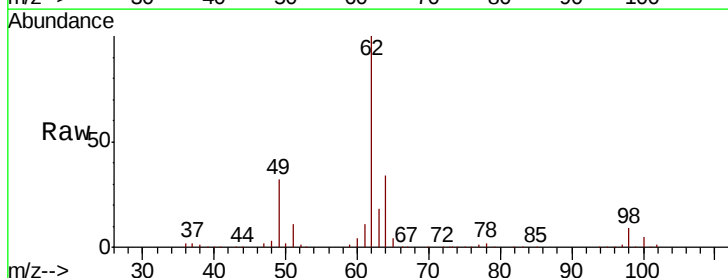
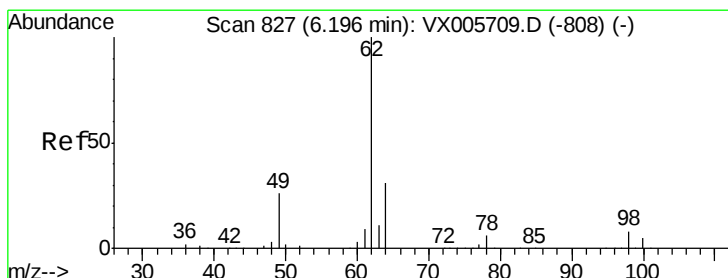
Tot Ion	Ratio	Lower	Upper
41	100		
39	53.7	42.2	63.2
67	69.8	53.4	80.0
52	28.3	23.4	35.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

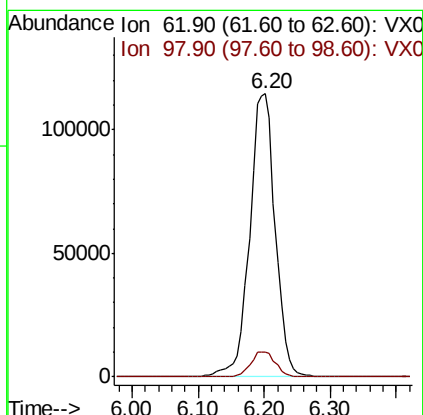
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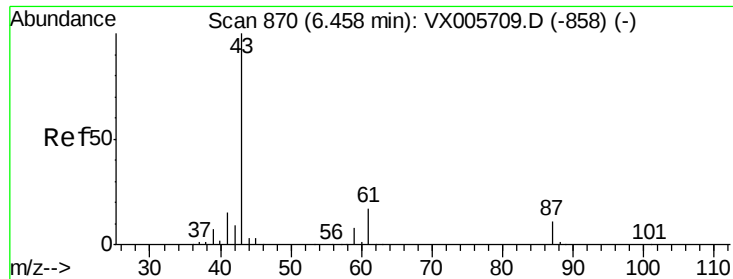
MMDadoda
11/1/2018 9:49:30 AM



#42
1,2-Dichloroethane
Concen: 141.870 ug/l
RT: 6.20 min Scan# 828
Delta R.T. 0.01 min
Lab File: VX005711.D
Acq: 31 Oct 2018 16:14

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.6	0.0	17.8





#43

Isopropyl Acetate

Concen: 166.371 ug/l

RT: 6.47 min Scan# 872

Delta R.T. 0.01 min

Lab File: VX005711.D

Acq: 31 Oct 2018 16:14

Instrument :

MSVOA_X

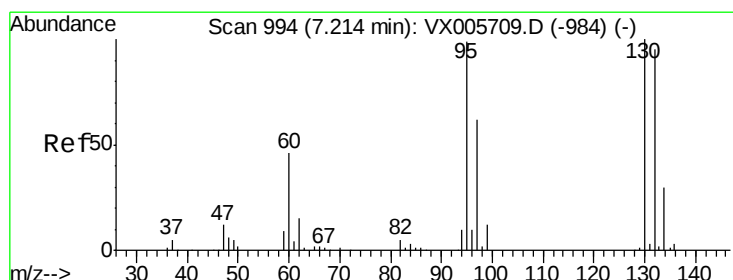
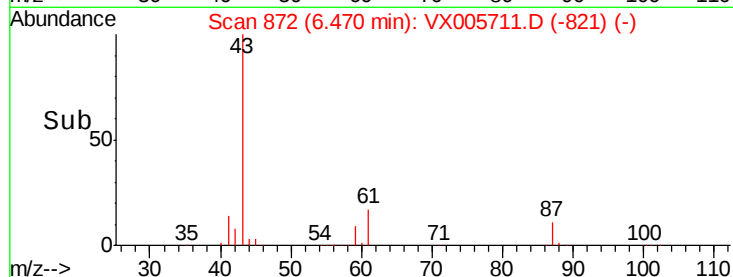
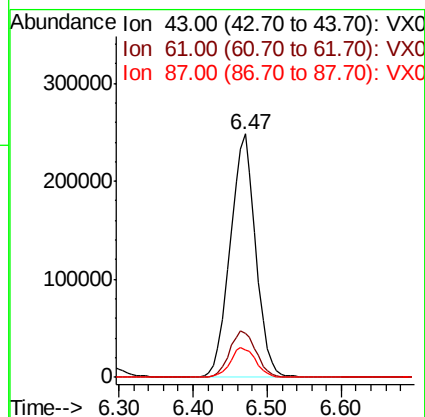
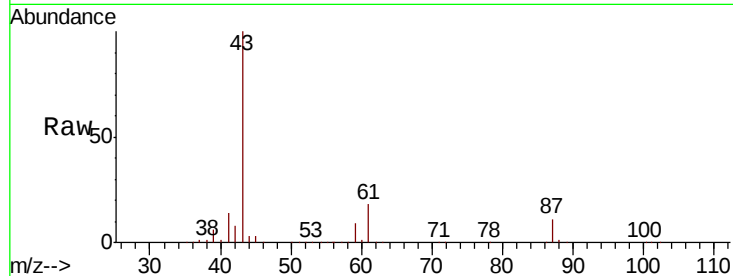
ClientSampleId :

VSTDIC150

Tot Ion:	43	Resp:	591151
Ion Ratio	Lower	Upper	
43	100		
61	19.8	14.6	22.0
87	12.3	9.6	14.4

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11/1/2018 9:49:30 AM



#44

Trichloroethene

Concen: 144.094 ug/l

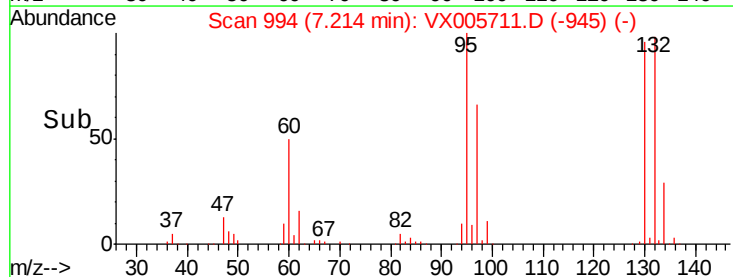
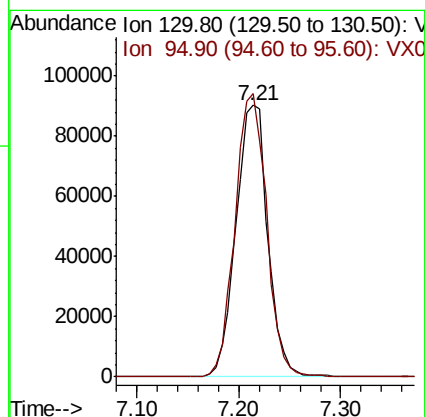
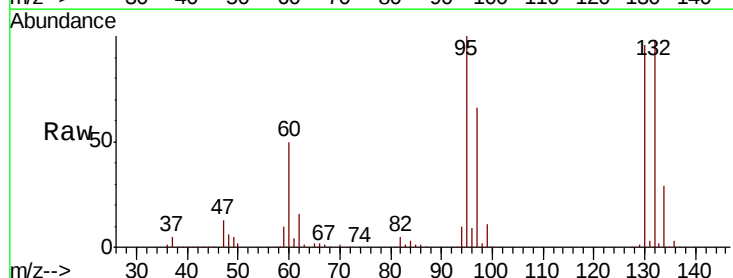
RT: 7.21 min Scan# 994

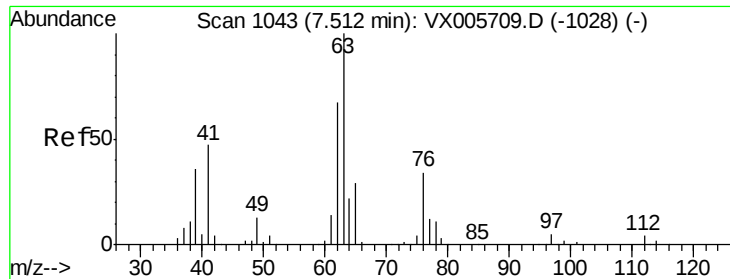
Delta R.T. 0.00 min

Lab File: VX005711.D

Acq: 31 Oct 2018 16:14

Tgt Ion:	130	Resp:	194989
Ion Ratio	Lower	Upper	
130	100		
95	104.3	0.0	194.2





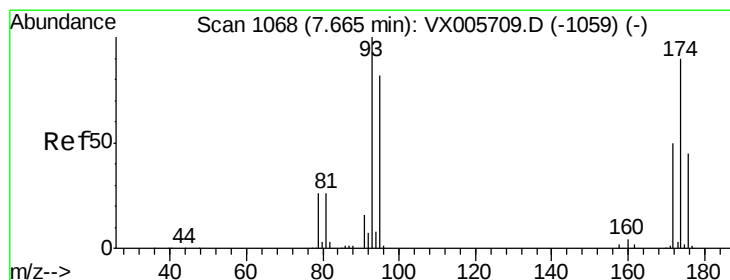
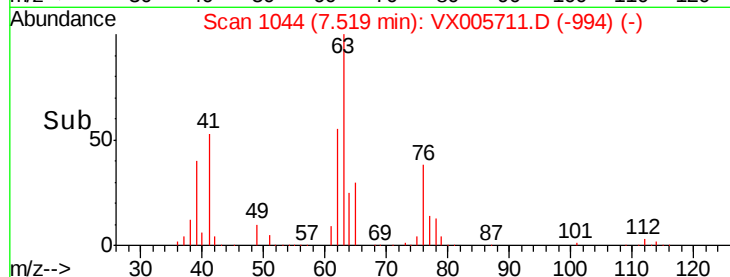
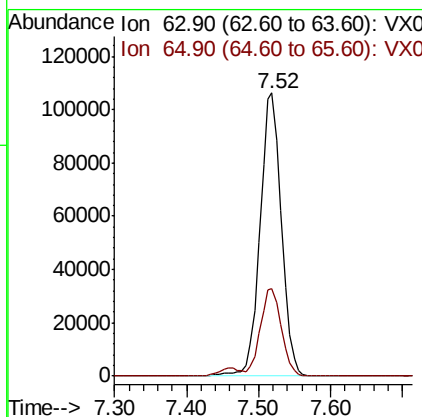
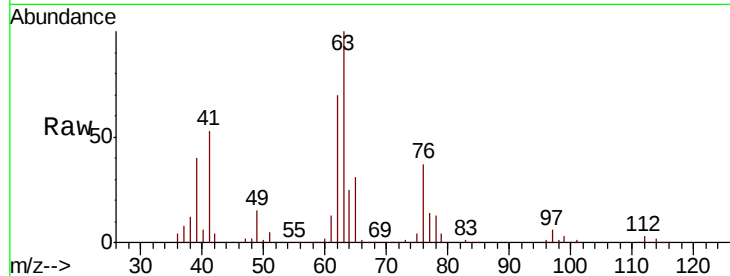
#45
 1,2-Dichloropropane
 Concen: 146.767 ug/l
 RT: 7.52 min Scan# 1044
 Delta R.T. 0.01 min
 Lab File: VX005711.D
 Acq: 31 Oct 2018 16:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion: 63 Resp: 219405
 Ion Ratio Lower Upper
 63 100
 65 31.1 24.8 37.2

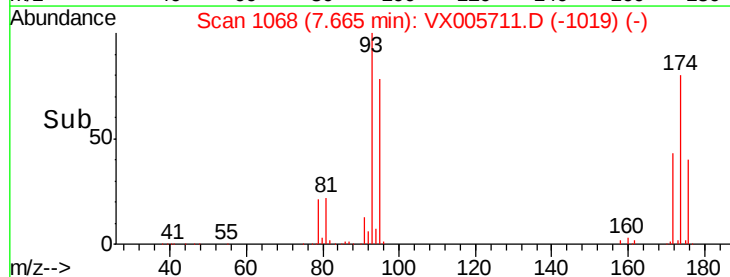
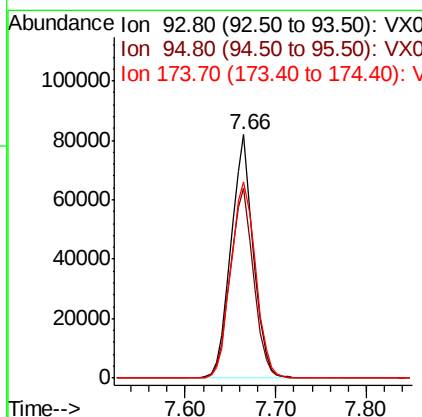
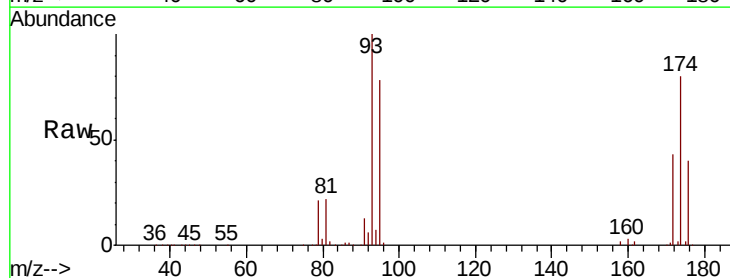
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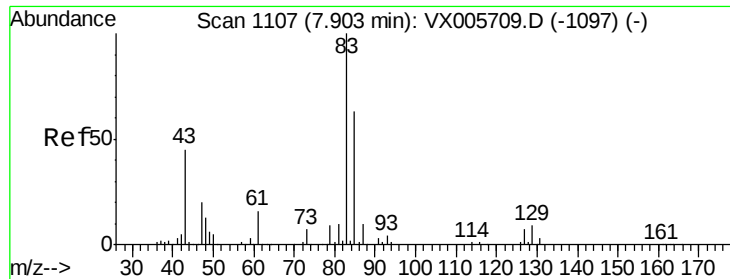
MMDadoda
 11/1/2018 9:49:30 AM



#46
 Dibromomethane
 Concen: 146.511 ug/l
 RT: 7.66 min Scan# 1068
 Delta R.T. 0.00 min
 Lab File: VX005711.D
 Acq: 31 Oct 2018 16:14

Tgt Ion: 93 Resp: 140013
 Ion Ratio Lower Upper
 93 100
 95 81.9 67.4 101.0
 174 89.2 91.5 137.3#





#47

Bromodichloromethane

Concen: 154.383 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.01 min

Lab File: VX005711.D

Acq: 31 Oct 2018 16:14

Instrument :

MSVOA_X

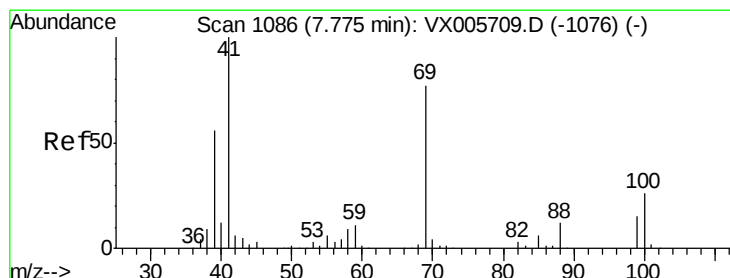
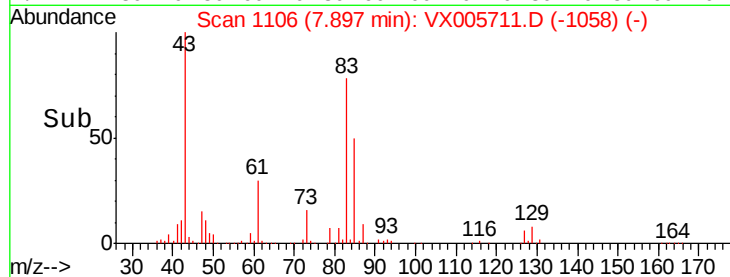
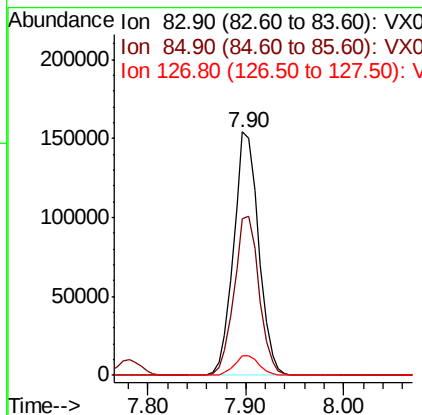
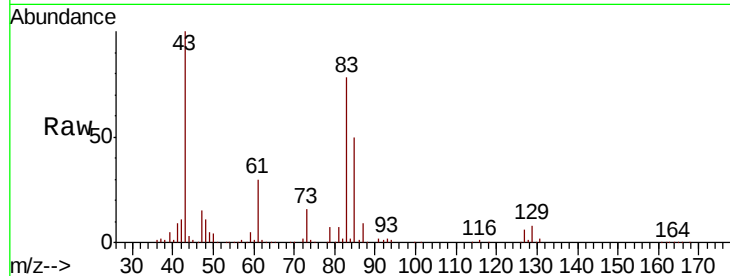
ClientSampleId :

VSTDIC150

Tot Ion:	83	Resp:	274330
Ion Ratio	Lower	Upper	
83	100		
85	64.1	50.2	75.4
127	7.9	6.9	10.3

Manual Integrations
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#48

Methyl methacrylate

Concen: 170.645 ug/l

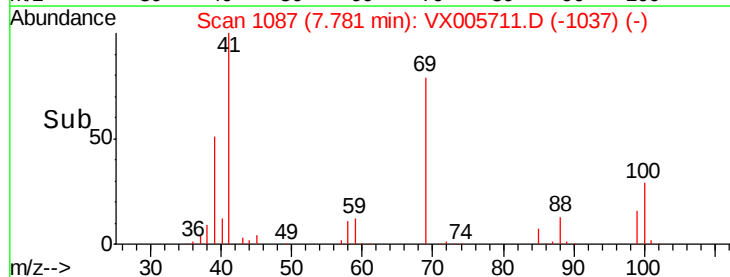
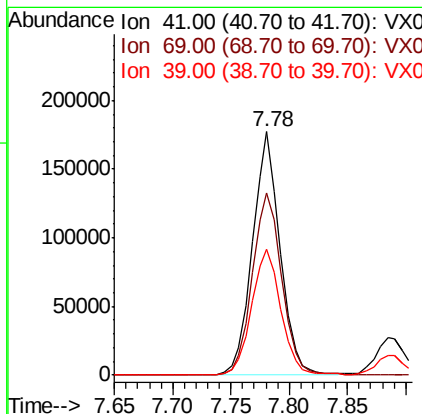
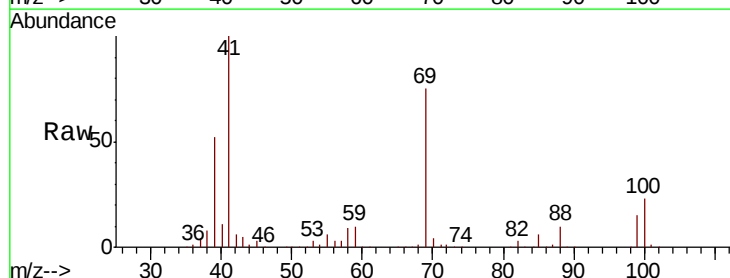
RT: 7.78 min Scan# 1087

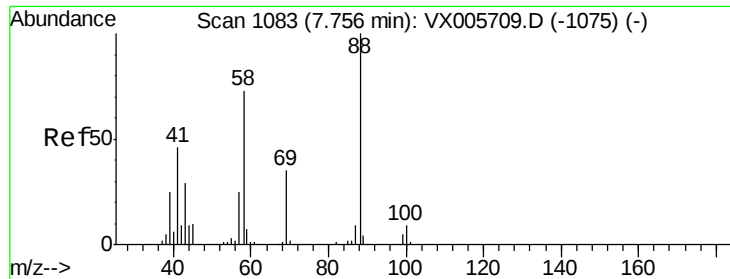
Delta R.T. 0.01 min

Lab File: VX005711.D

Acq: 31 Oct 2018 16:14

Tgt Ion:	41	Resp:	292103
Ion Ratio	Lower	Upper	
41	100		
69	80.0	63.2	94.8
39	55.0	42.2	63.2





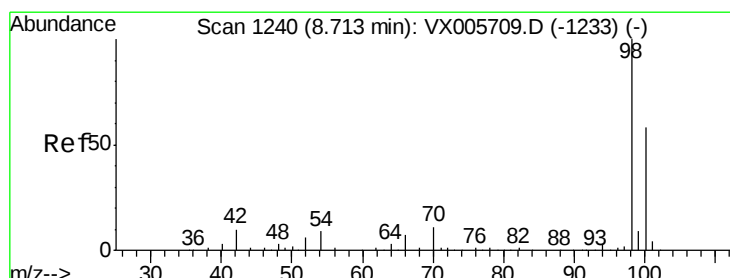
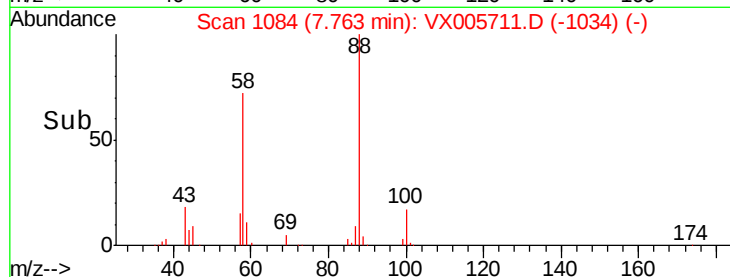
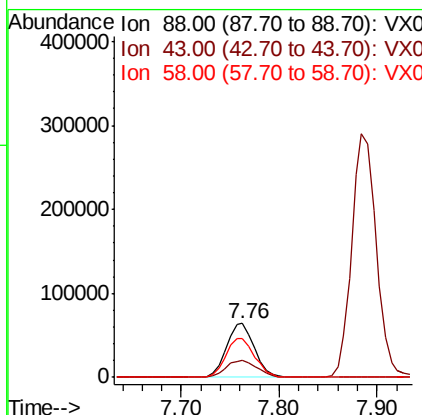
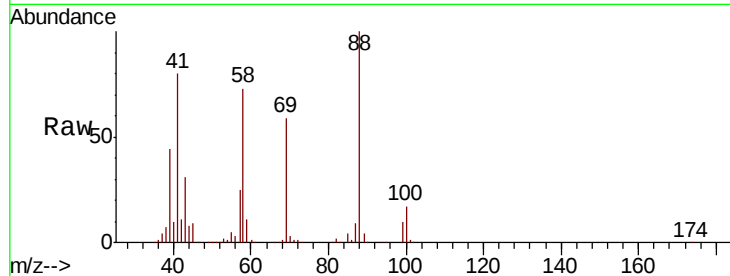
#49
1,4-Dioxane
Concen: 3289.074 ug/l
RT: 7.76 min Scan# 1084
Delta R.T. 0.01 min
Lab File: VX005711.D
Acq: 31 Oct 2018 16:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
88	100			
43	34.9	27.4	41.0	
58	75.4	59.4	89.2	

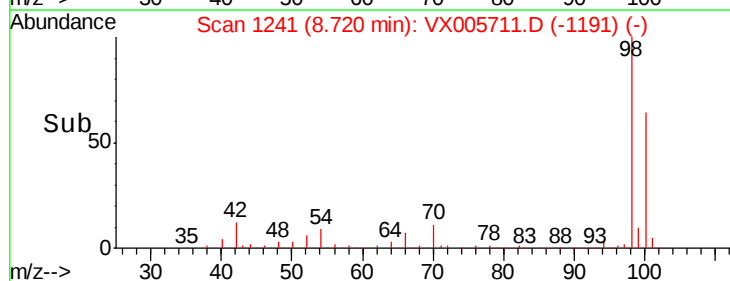
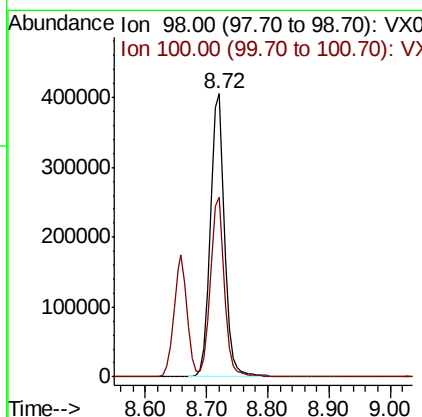
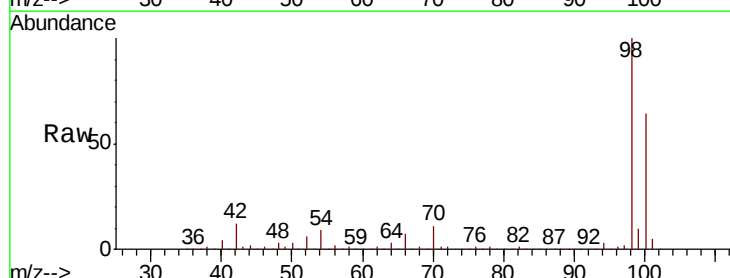
Manual Integrations
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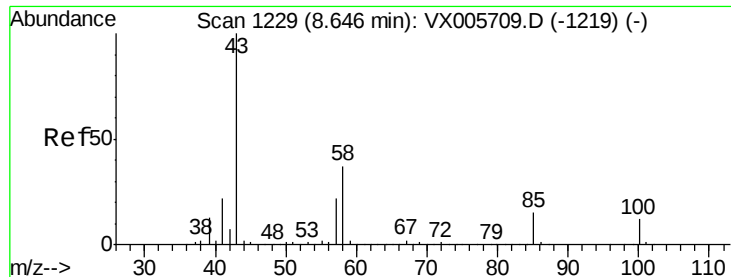
MMDadoda
11/1/2018 9:49:30 AM



#50
Toluene-d8
Concen: 152.895 ug/l
RT: 8.72 min Scan# 1241
Delta R.T. 0.01 min
Lab File: VX005711.D
Acq: 31 Oct 2018 16:14

Tgt Ion	Ratio	Resp	Lower	Upper
98	100			
100	63.1	51.3	76.9	





#51

4-Methyl-2-Pentanone

Concen: 902.655 ug/l

RT: 8.66 min Scan# 1231

Delta R.T. 0.01 min

Lab File: VX005711.D

Acq: 31 Oct 2018 16:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 2153677

Ion Ratio Lower Upper

43 100

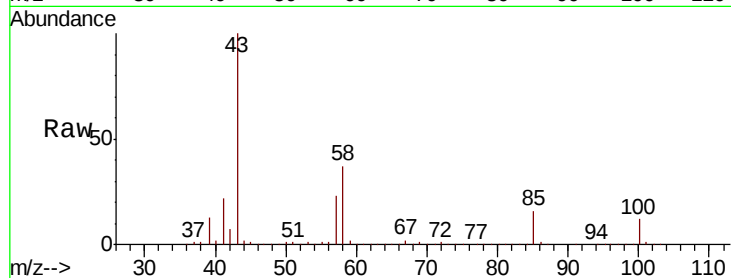
58 37.6 29.7 44.5

Manual Integrations

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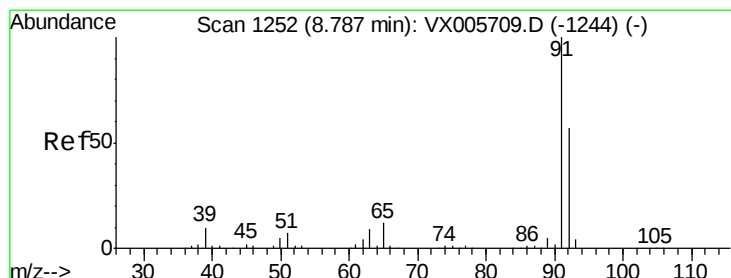
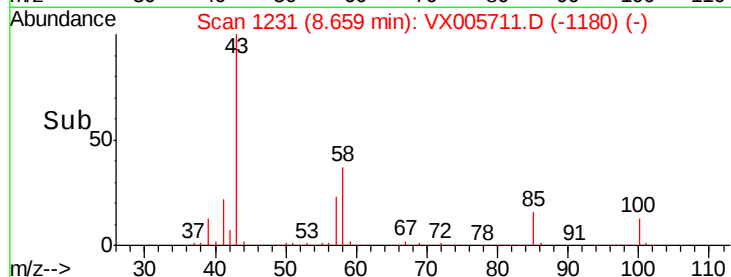
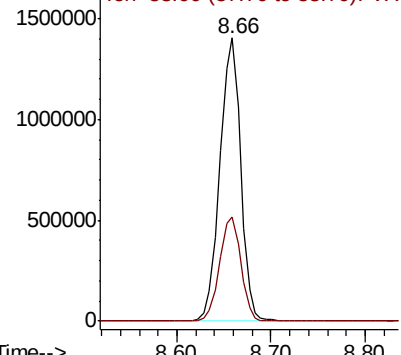
MMDadoda

11/1/2018 9:49:30 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 153.813 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VX005711.D

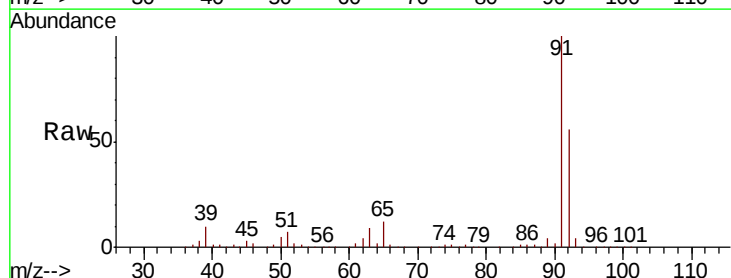
Acq: 31 Oct 2018 16:14

Tgt Ion: 92 Resp: 481541

Ion Ratio Lower Upper

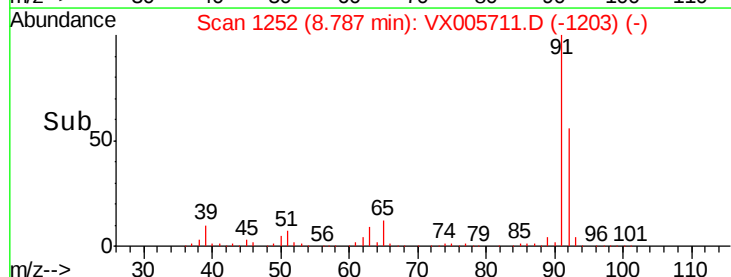
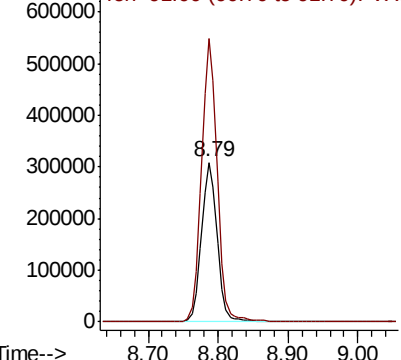
92 100

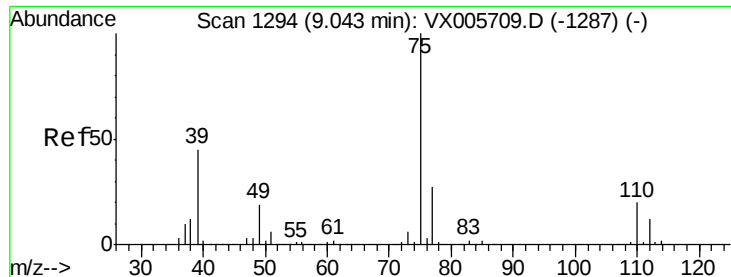
91 177.1 140.4 210.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





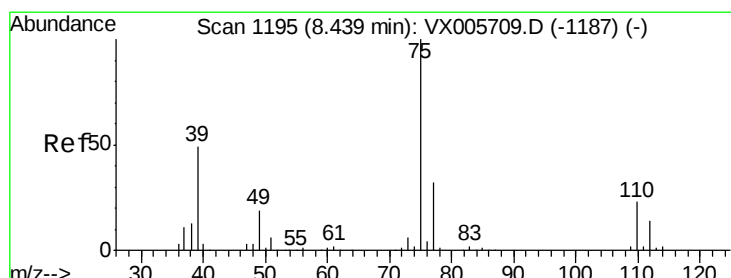
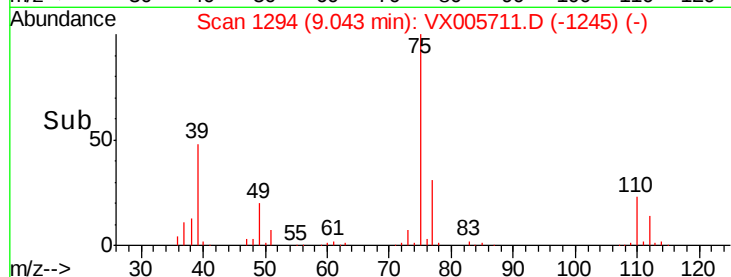
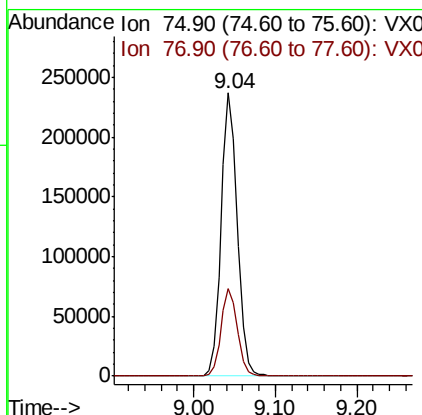
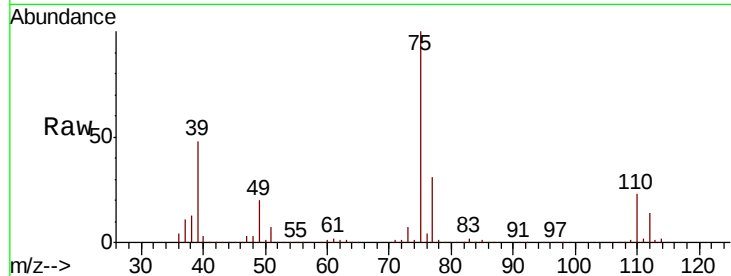
#53
 t-1,3-Dichloropropene
 Concen: 173.381 ug/l
 RT: 9.04 min Scan# 1294
 Delta R.T. 0.00 min
 Lab File: VX005711.D
 Acq: 31 Oct 2018 16:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion: 75 Resp: 327014
 Ion Ratio Lower Upper
 75 100
 77 30.8 25.4 38.2

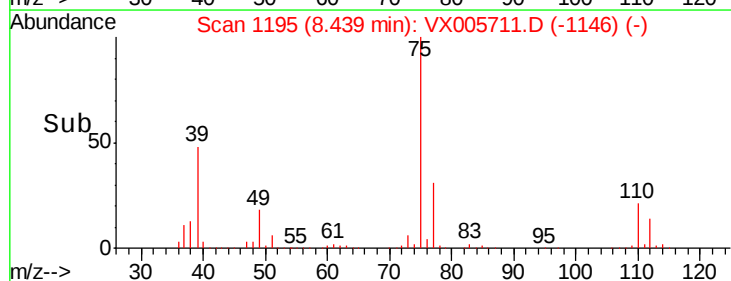
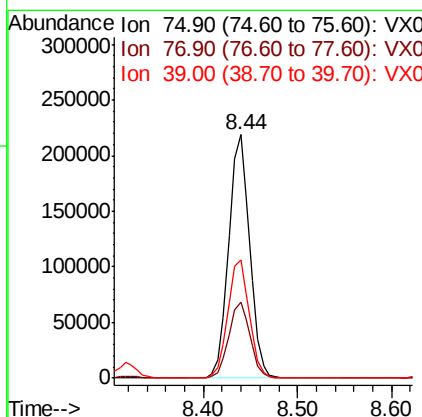
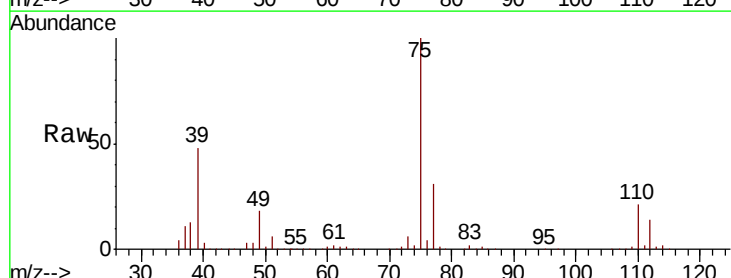
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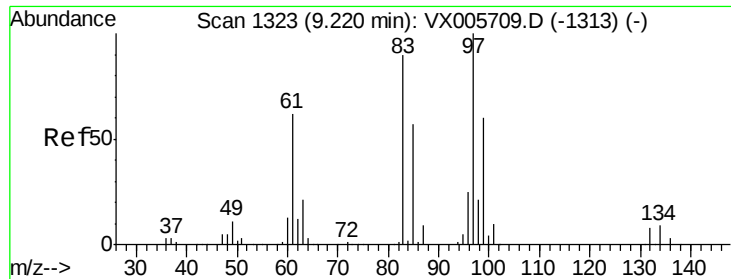
MMDadoda
 11/1/2018 9:49:30 AM



#54
 cis-1,3-Dichloropropene
 Concen: 166.112 ug/l
 RT: 8.44 min Scan# 1195
 Delta R.T. 0.00 min
 Lab File: VX005711.D
 Acq: 31 Oct 2018 16:14

Tgt Ion: 75 Resp: 338333
 Ion Ratio Lower Upper
 75 100
 77 31.1 25.2 37.8
 39 48.3 38.2 57.2





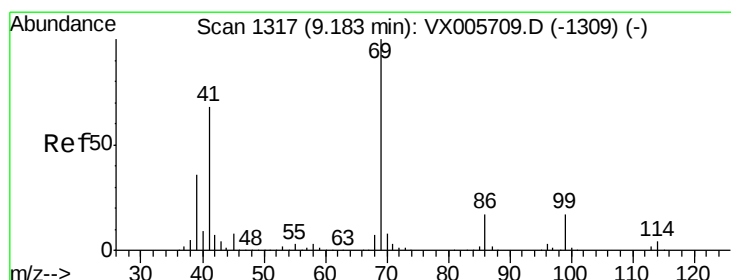
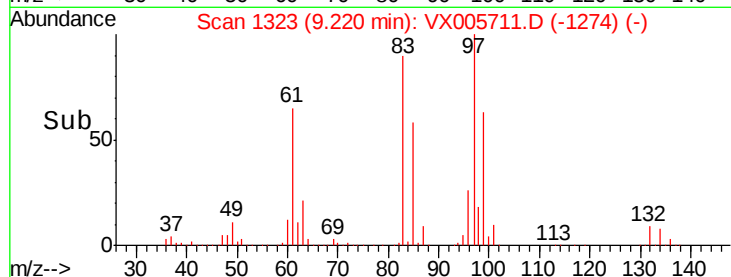
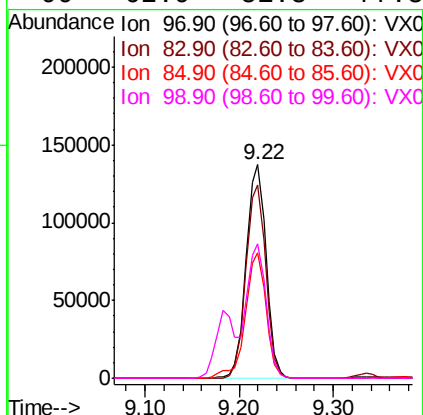
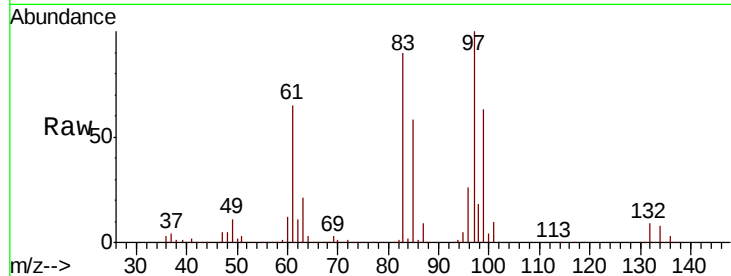
#55
 1,1,2-Trichloroethane
 Concen: 149.607 ug/l
 RT: 9.22 min Scan# 1323
 Delta R.T. 0.00 min
 Lab File: VX005711.D
 Acq: 31 Oct 2018 16:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion:	97	Resp:	204358
Ion	Ratio	Lower	Upper
97	100		
83	90.4	70.7	106.1
85	58.5	45.8	68.6
99	62.9	51.8	77.8

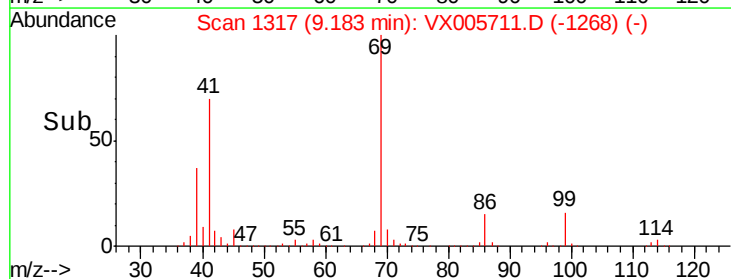
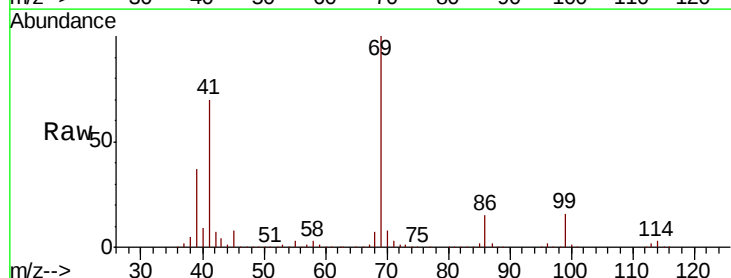
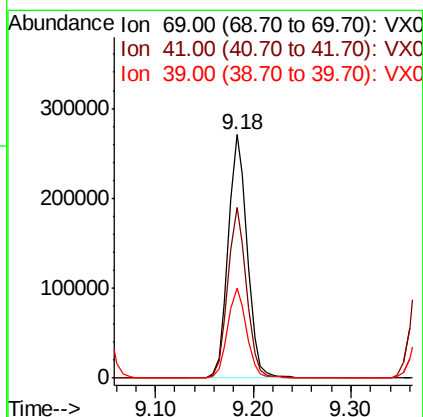
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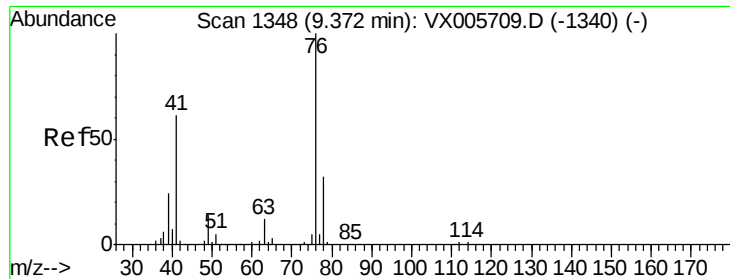
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 11/1/2018 9:49:30 AM



#56
 Ethyl methacrylate
 Concen: 185.502 ug/l
 RT: 9.18 min Scan# 1317
 Delta R.T. 0.00 min
 Lab File: VX005711.D
 Acq: 31 Oct 2018 16:14

Tgt Ion:	69	Resp:	368106
Ion	Ratio	Lower	Upper
69	100		
41	69.2	57.0	85.6
39	36.9	28.3	42.5





#57

1,3-Dichloropropane

Concen: 151.571 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX005711.D

Acq: 31 Oct 2018 16:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC150

Tot Ion: 76 Resp: 354873

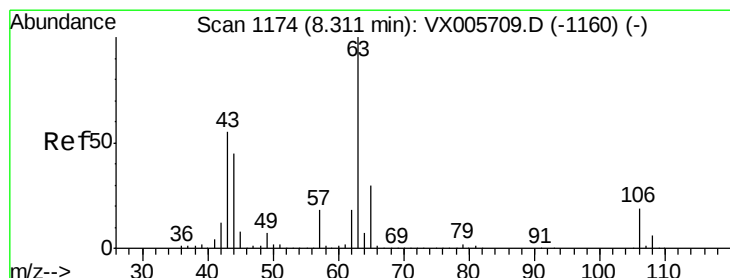
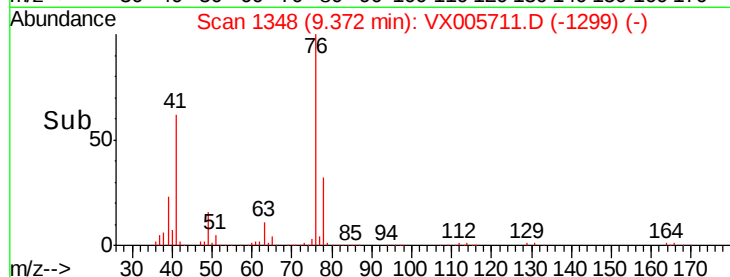
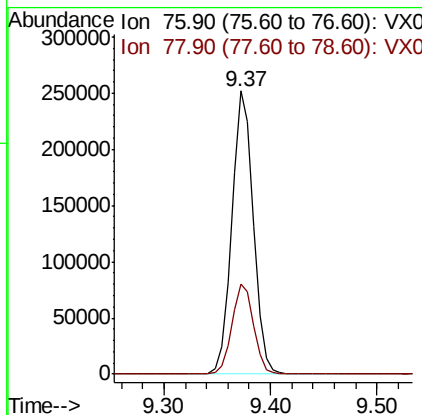
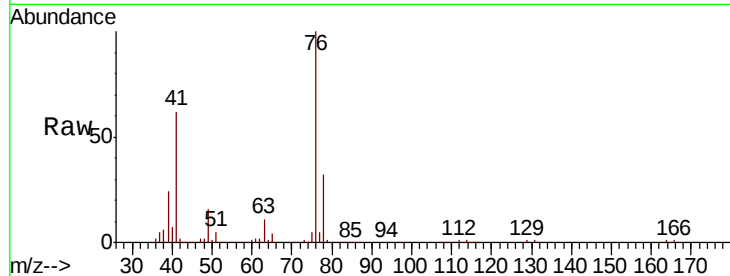
Ion Ratio Lower Upper

76 100

78 32.3 25.3 37.9

Manual Integrations
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MMDadoda
11/1/2018 9:49:30 AM



#58

2-Chloroethyl Vinyl ether

Concen: 926.248 ug/l

RT: 8.32 min Scan# 1175

Delta R.T. 0.01 min

Lab File: VX005711.D

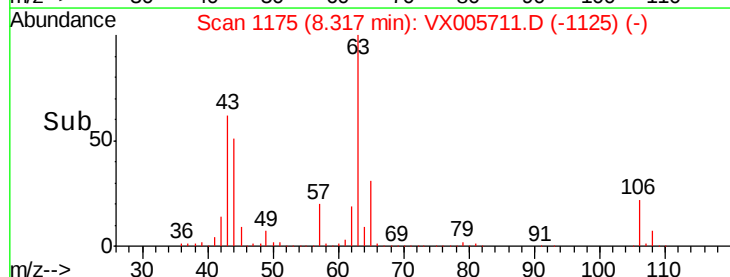
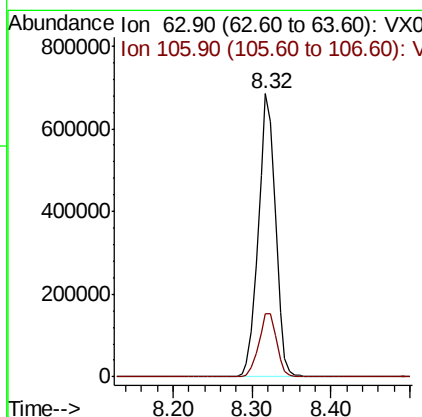
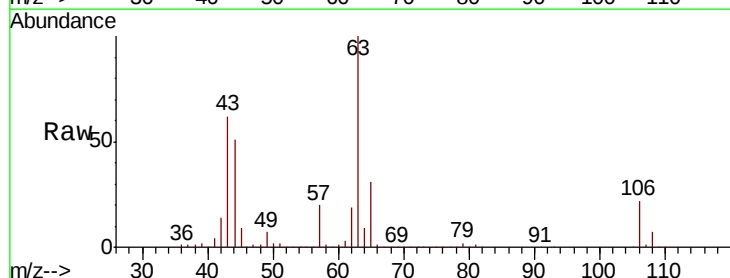
Acq: 31 Oct 2018 16:14

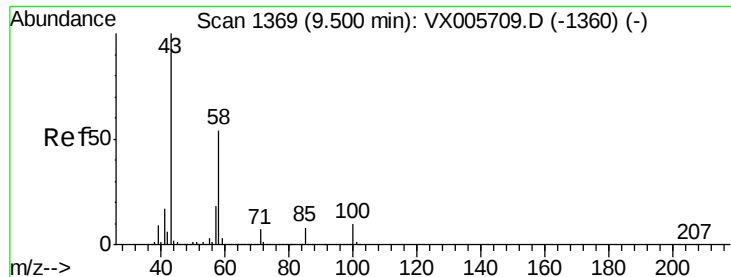
Tgt Ion: 63 Resp: 1039075

Ion Ratio Lower Upper

63 100

106 23.2 21.3 31.9





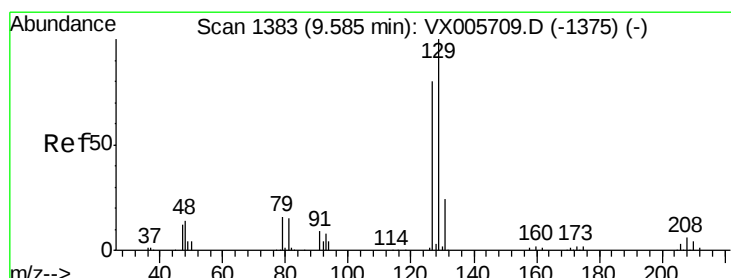
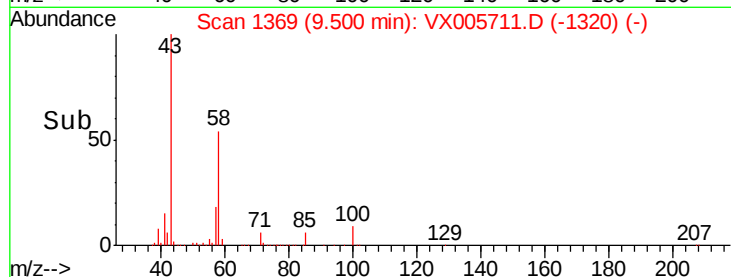
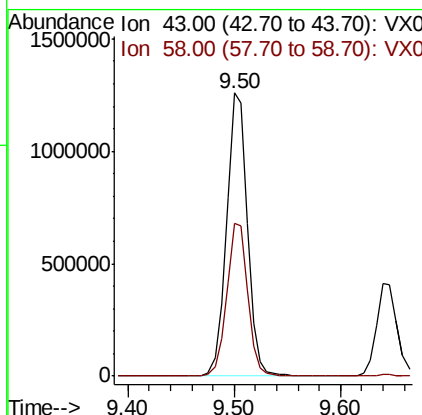
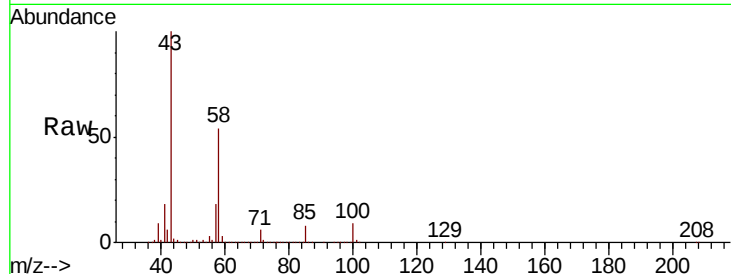
#59
2-Hexanone
Concen: 887.930 ug/l
RT: 9.50 min Scan# 1369
Delta R.T. 0.00 min
Lab File: VX005711.D
Acq: 31 Oct 2018 16:14

Instrument :
MSVOA_X
ClientSampled :
VSTDIC150

Tot Ion: 43 Resp: 1729549
Ion Ratio Lower Upper
43 100
58 54.4 25.9 77.8

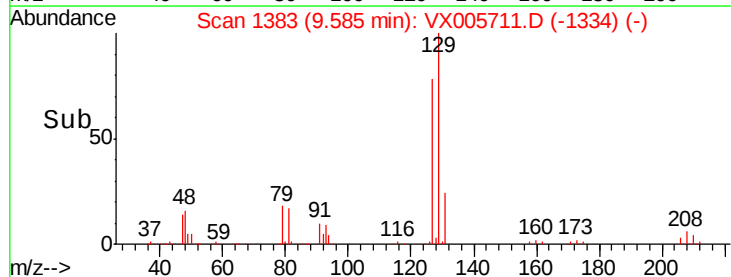
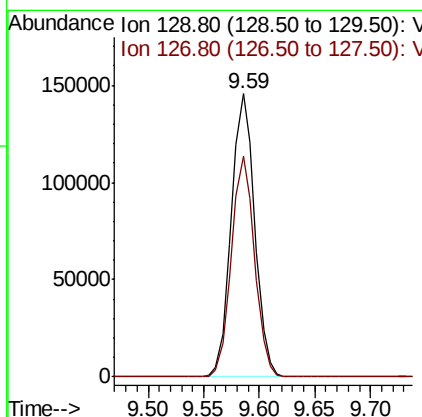
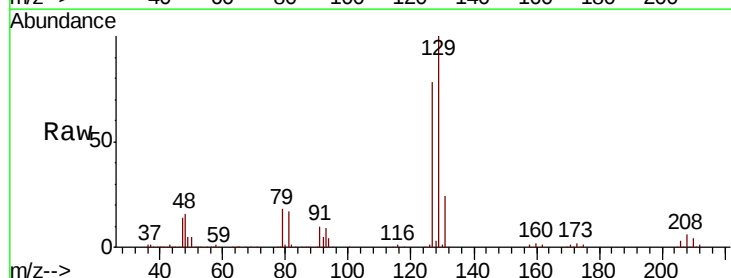
Manual Integrations
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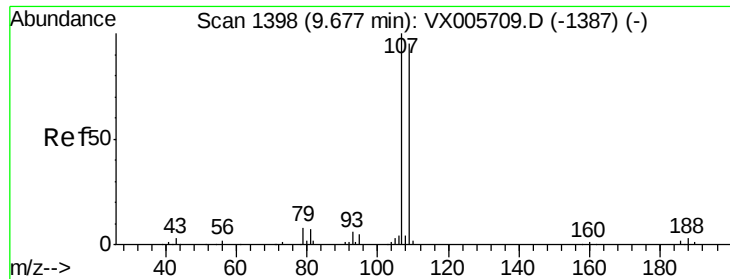
MMDadoda
11/1/2018 9:49:30 AM



#60
Dibromochloromethane
Concen: 163.532 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. 0.00 min
Lab File: VX005711.D
Acq: 31 Oct 2018 16:14

Tgt Ion:129 Resp: 212562
Ion Ratio Lower Upper
129 100
127 77.0 38.9 116.7





#61

1,2-Dibromoethane

Concen: 152.879 ug/l

RT: 9.68 min Scan# 1398

Delta R.T. 0.00 min

Lab File: VX005711.D

Acq: 31 Oct 2018 16:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:107 Resp: 212021

Ion Ratio Lower Upper

107 100

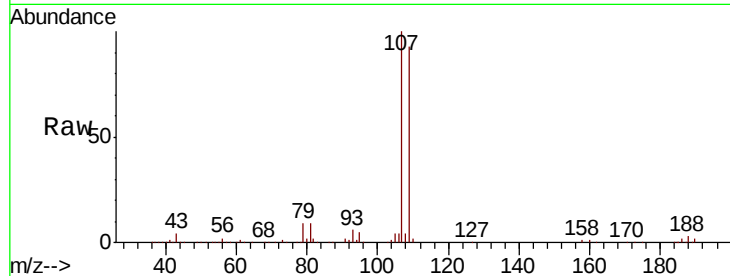
109 93.4 75.7 113.5

Manual Integrations

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.68

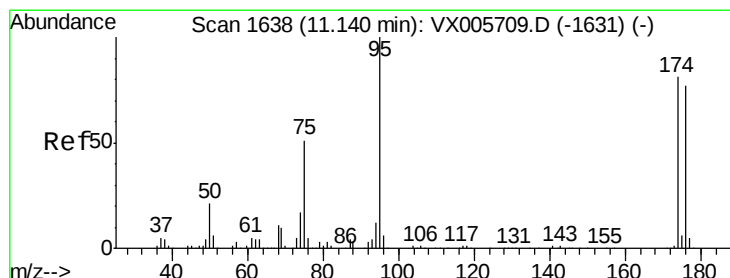
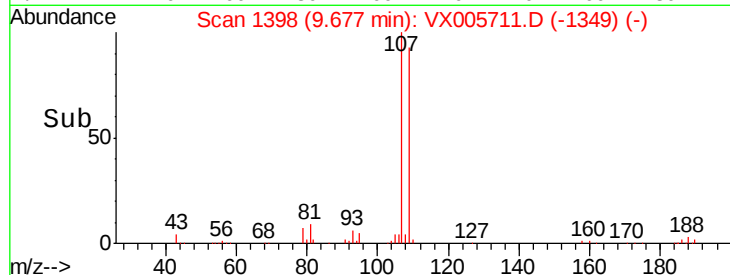
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 174.268 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.00 min

Lab File: VX005711.D

Acq: 31 Oct 2018 16:14

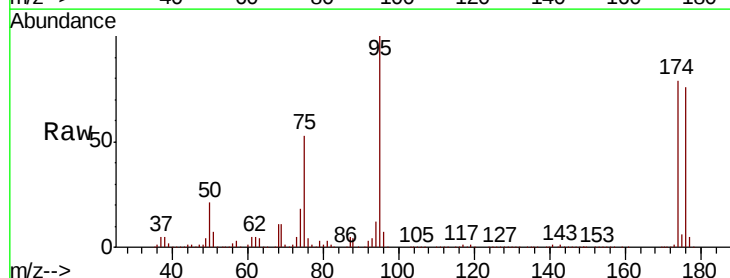
Tgt Ion: 95 Resp: 277454

Ion Ratio Lower Upper

95 100

174 77.2 0.0 184.4

176 74.5 0.0 177.4



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

300000

250000

200000

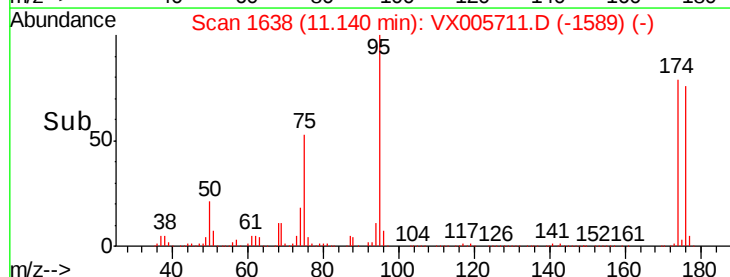
150000

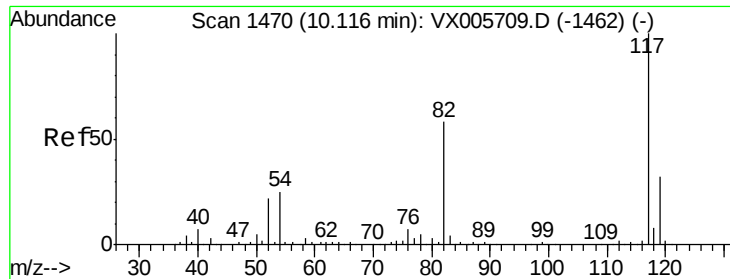
100000

50000

0

Time-->





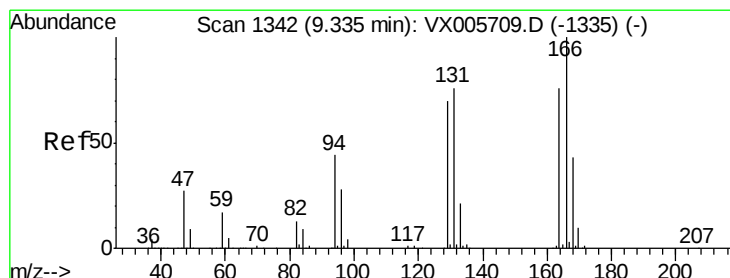
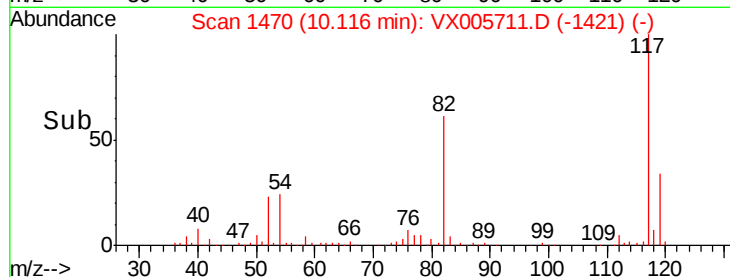
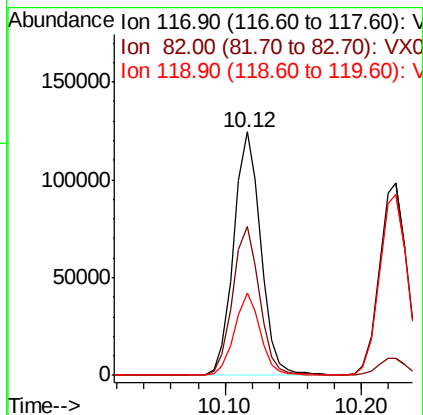
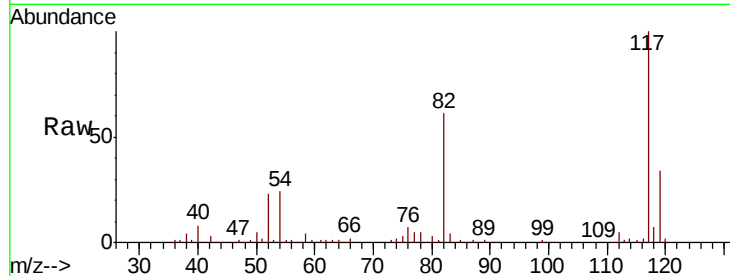
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX005711.D
Acq: 31 Oct 2018 16:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tot Ion	Ratio	Lower	Upper
117	100		
82	61.0	44.1	66.1
119	33.7	26.2	39.2

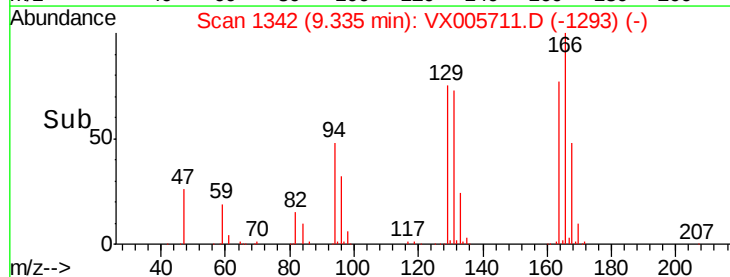
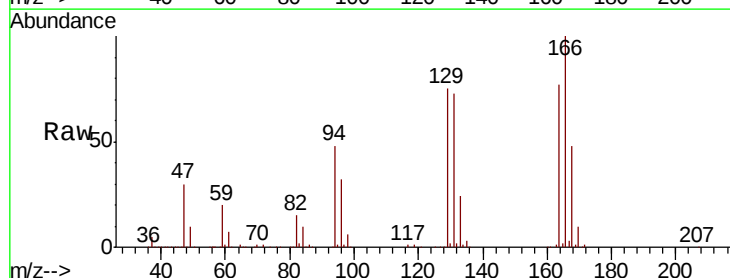
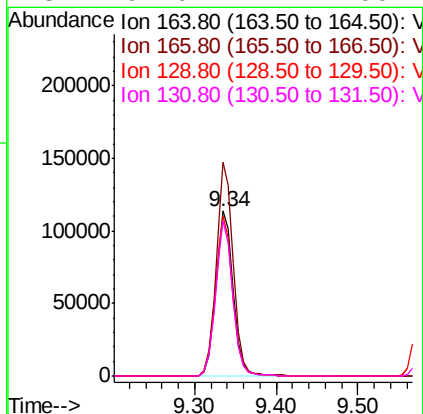
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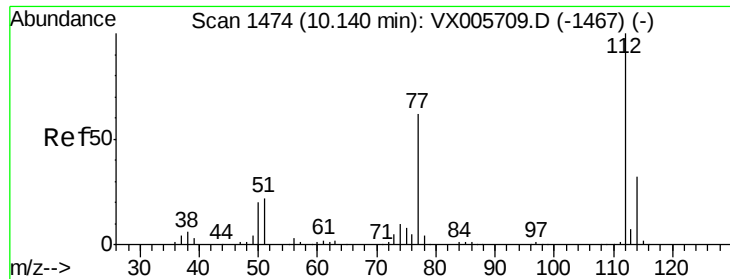
MMDadoda
11/1/2018 9:49:30 AM



#64
Tetrachloroethene
Concen: 132.844 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX005711.D
Acq: 31 Oct 2018 16:14

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.6	101.9	152.9
129	97.2	72.6	109.0
131	94.0	71.1	106.7





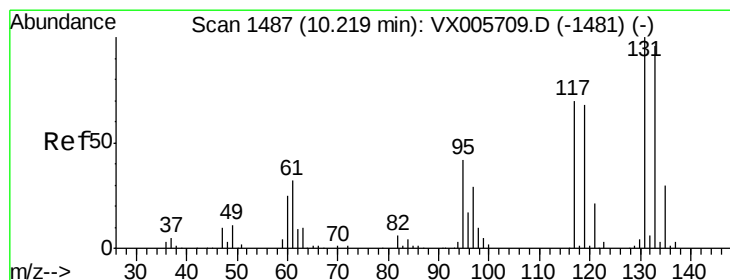
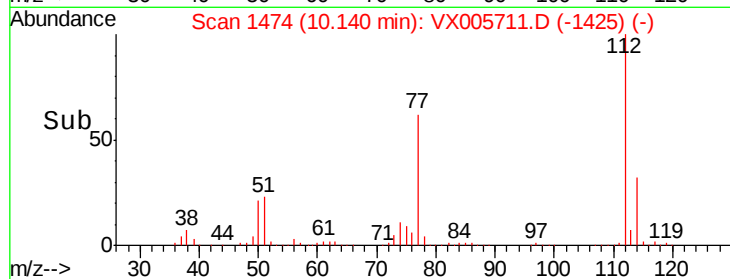
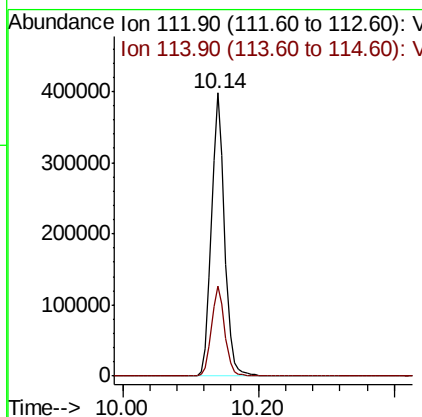
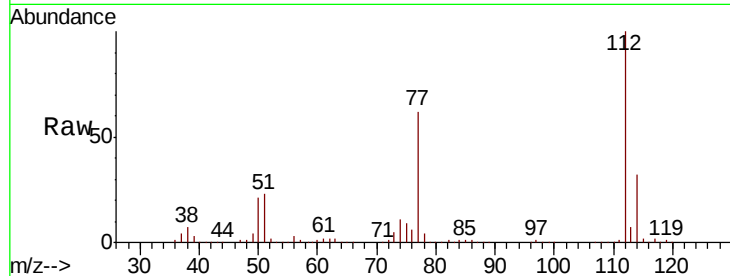
#65
Chlorobenzene
Concen: 144.767 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.00 min
Lab File: VX005711.D
Acq: 31 Oct 2018 16:14

Instrument :
MSVOA_X
ClientSampled :
VSTDIC150

Tot Ion:112 Resp: 535142
Ion Ratio Lower Upper
112 100
114 31.7 25.8 38.6

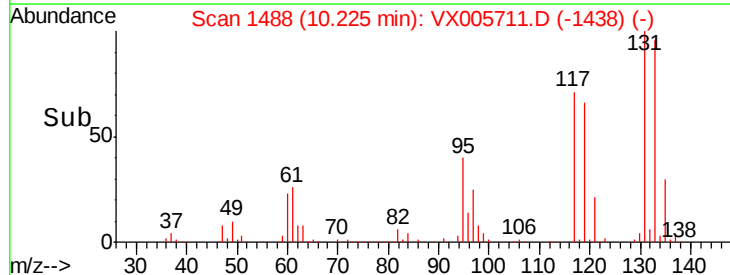
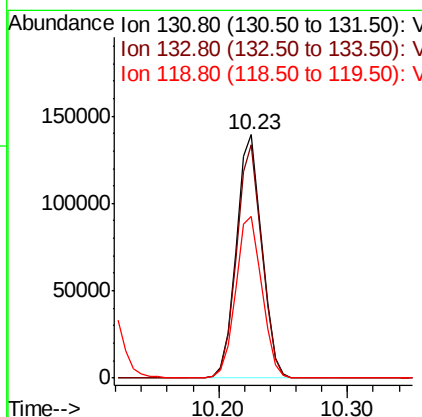
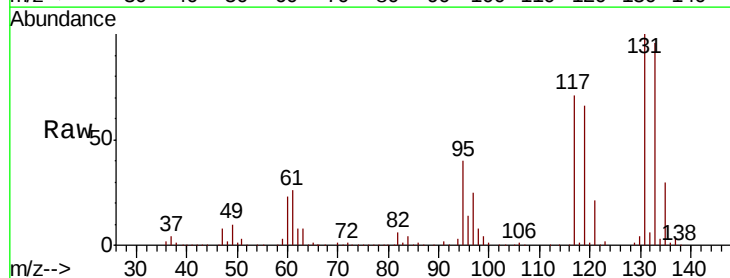
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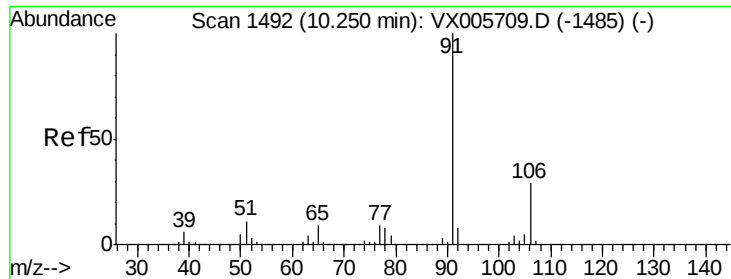
MMDadoda
11/1/2018 9:49:30 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 152.283 ug/l
RT: 10.23 min Scan# 1488
Delta R.T. 0.01 min
Lab File: VX005711.D
Acq: 31 Oct 2018 16:14

Tgt Ion:131 Resp: 191102
Ion Ratio Lower Upper
131 100
133 95.3 47.5 142.5
119 68.2 31.8 95.3





#67

Ethyl Benzene

Concen: 156.377 ug/l

RT: 10.26 min Scan# 1493

Delta R.T. 0.01 min

Lab File: VX005711.D

Acq: 31 Oct 2018 16:14

Instrument :

MSVOA_X

ClientSampled :

VSTDIC150

Tot Ion: 91 Resp: 973913

Ion Ratio Lower Upper

91 100

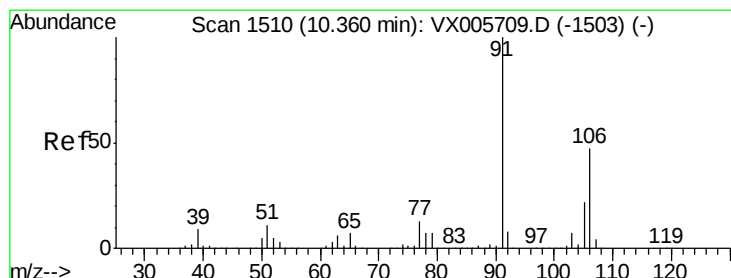
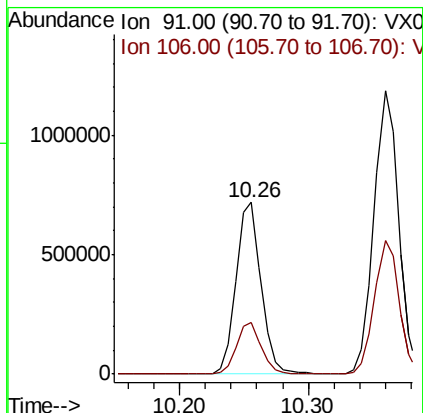
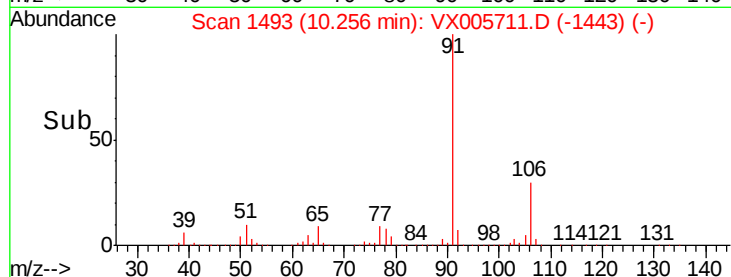
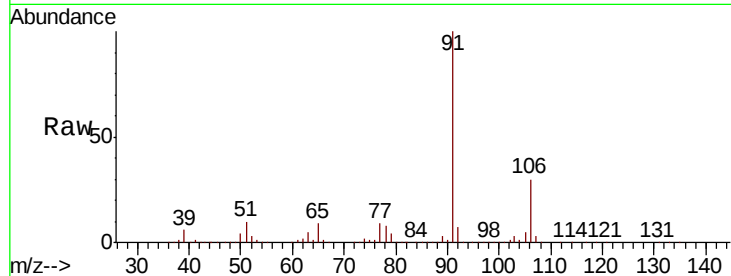
106 30.2 24.4 36.6

Manual Integrations

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#68

m/p-Xylenes

Concen: 320.165 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX005711.D

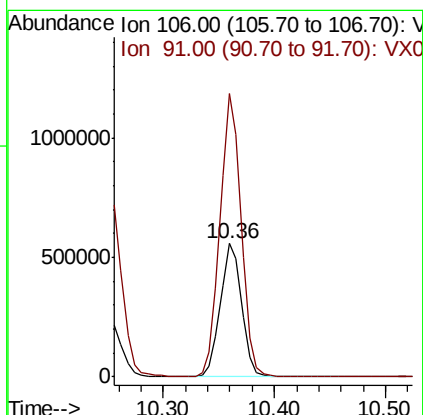
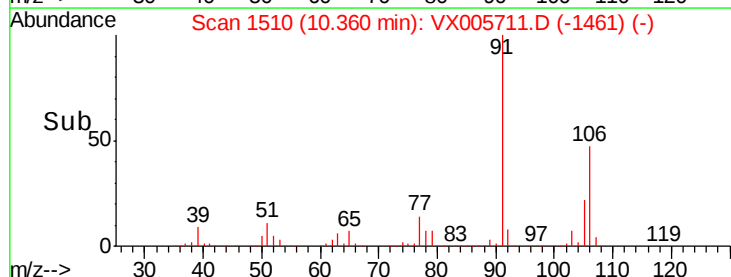
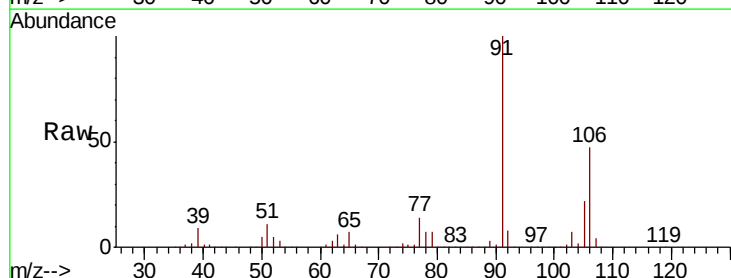
Acq: 31 Oct 2018 16:14

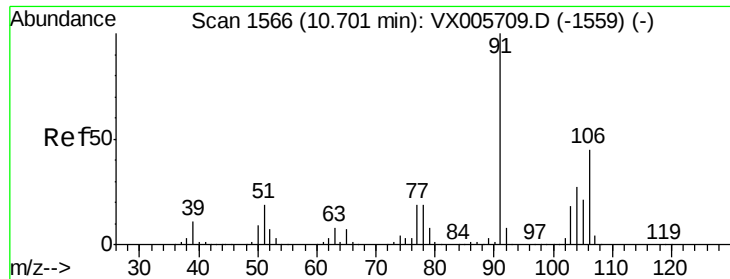
Tgt Ion: 106 Resp: 737921

Ion Ratio Lower Upper

106 100

91 212.0 164.2 246.4





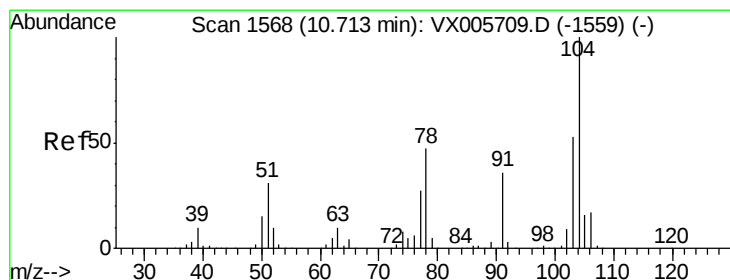
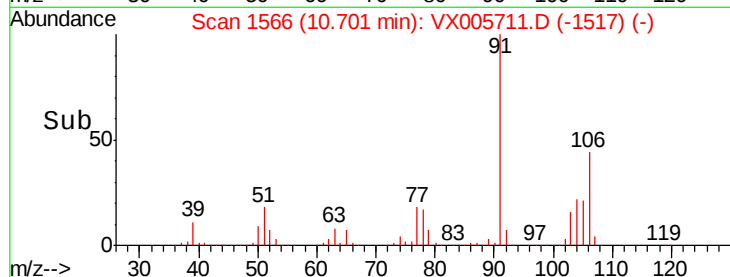
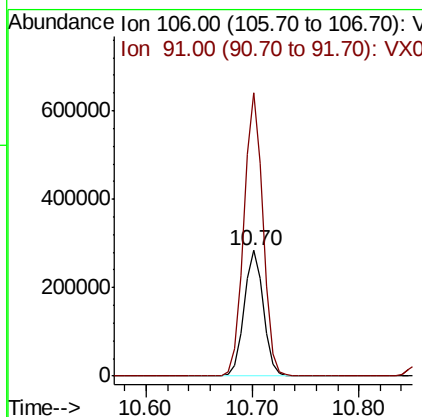
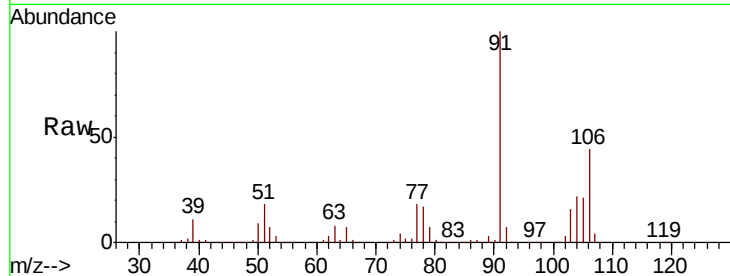
#69
o-Xylene
Concen: 163.976 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VX005711.D
Acq: 31 Oct 2018 16:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
106	100		
91	223.7	108.5	325.5

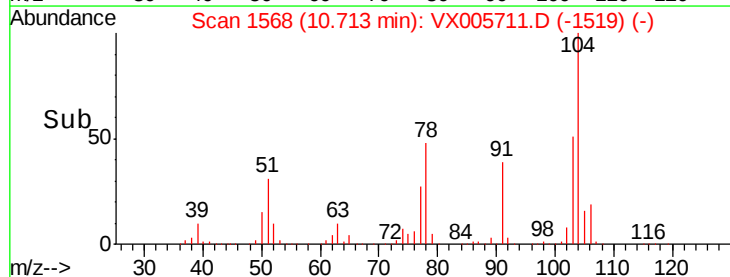
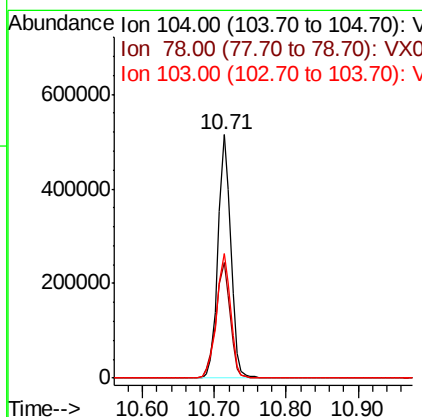
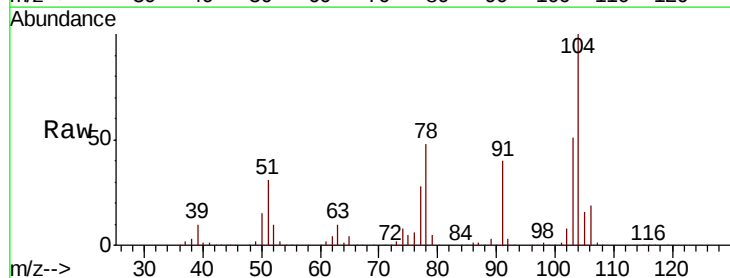
Manual Integrations
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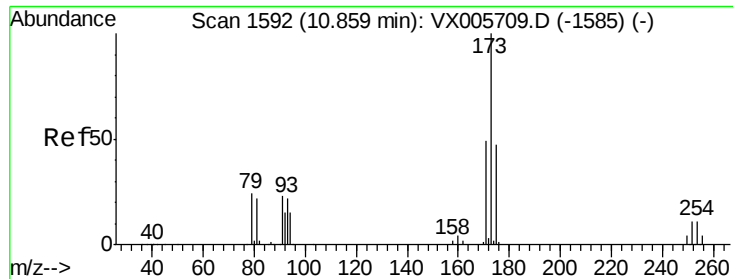
MMDadoda
11/1/2018 9:49:30 AM



#70
Styrene
Concen: 174.610 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX005711.D
Acq: 31 Oct 2018 16:14

Tgt Ion	Ratio	Lower	Upper
104	100		
78	53.1	40.2	60.4
103	56.2	44.9	67.3





#71

Bromoform

Concen: 183.989 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. 0.00 min

Lab File: VX005711.D

Acq: 31 Oct 2018 16:14

Instrument :

MSVOA_X

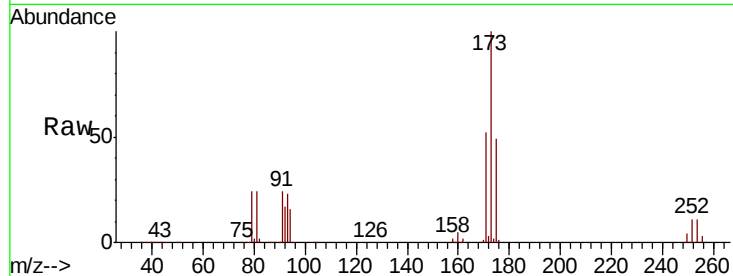
ClientSampleId :

VSTDICC150

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.1	24.8	74.3
254	0.2	0.2	0.2

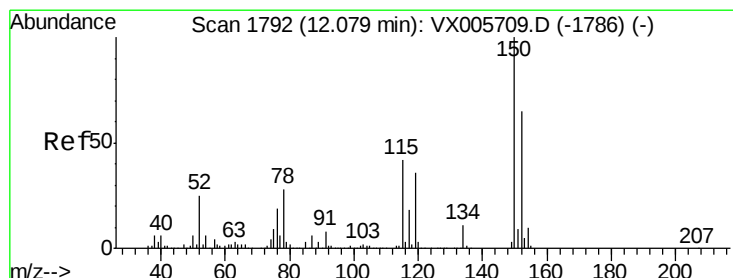
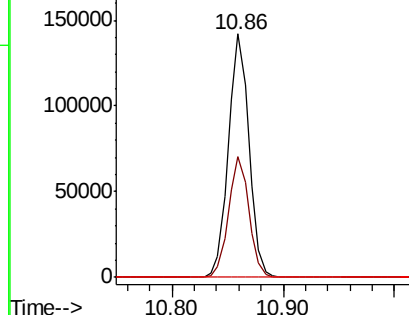
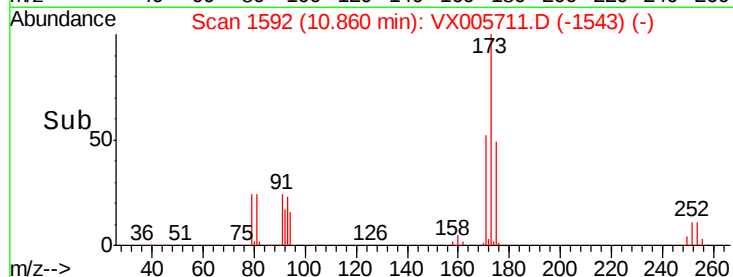
Manual Integrations
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11/1/2018 9:49:30 AM



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

10.86



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

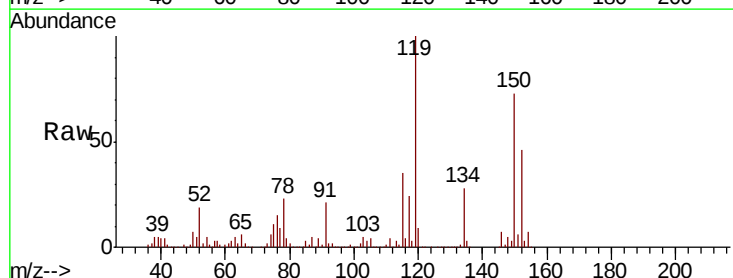
RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX005711.D

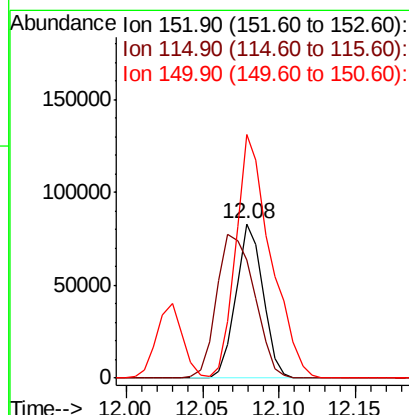
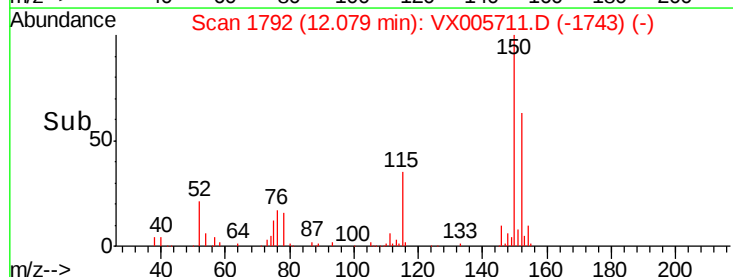
Acq: 31 Oct 2018 16:14

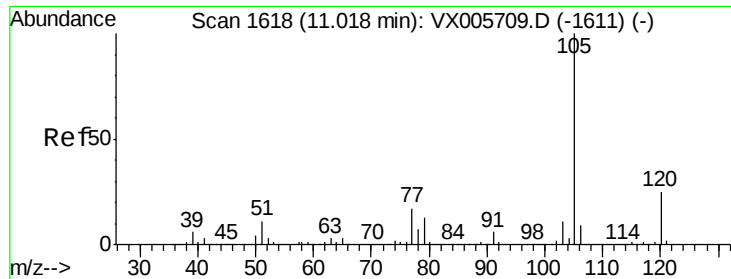
Tgt Ion	Ratio	Lower	Upper
152	100		
115	130.1	39.4	118.1#
150	203.4	0.0	346.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V

12.08





#73

Isopropylbenzene

Concen: 143.013 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX005711.D

Acq: 31 Oct 2018 16:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC150

Tot Ion: 105 Resp: 971381

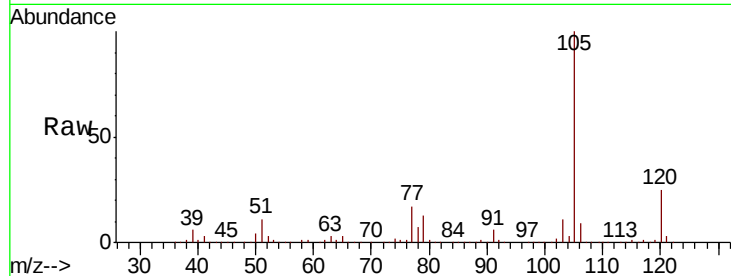
Ion Ratio Lower Upper

105 100

120 25.9 13.1 39.3

Manual Integrations
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11/1/2018 9:49:30 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

800000

600000

400000

200000

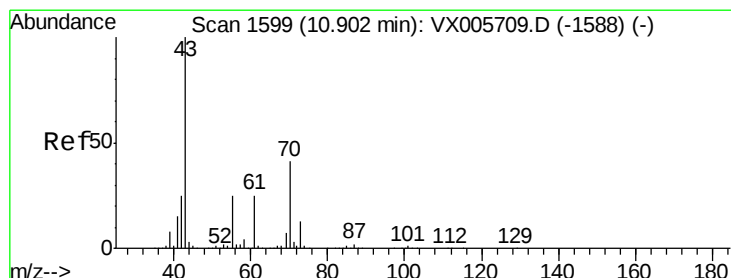
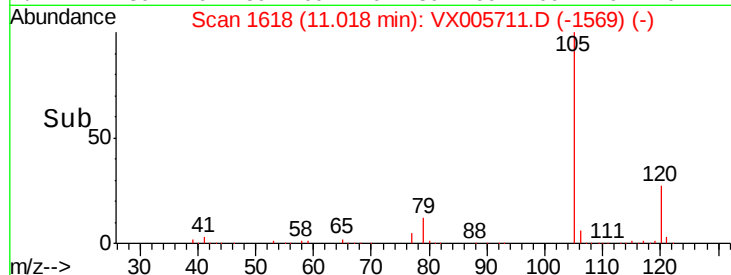
0

11.02

11.00

10.90

Time-->



#74

N-ethyl acetate

Concen: 169.743 ug/l

RT: 10.90 min Scan# 1599

Delta R.T. 0.00 min

Lab File: VX005711.D

Acq: 31 Oct 2018 16:14

Tgt Ion: 43 Resp: 595993

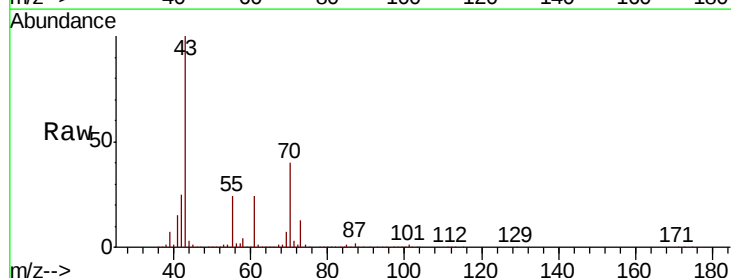
Ion Ratio Lower Upper

43 100

70 40.2 31.6 47.4

55 24.0 19.7 29.5

61 23.9 18.3 27.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

800000

600000

400000

200000

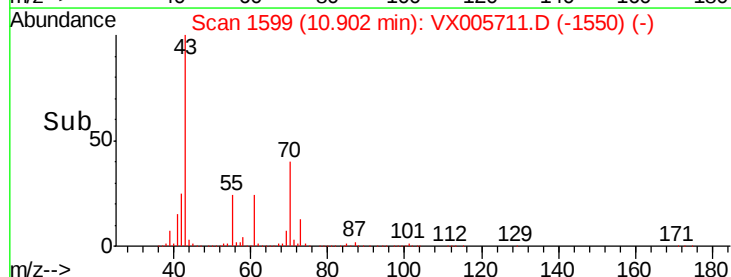
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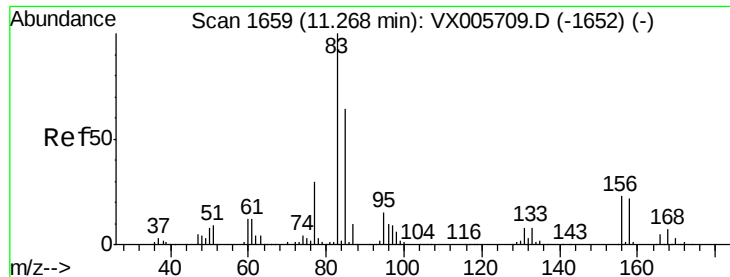
10.90

10.80

11.00

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 147.979 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX005711.D

Acq: 31 Oct 2018 16:14

Instrument :

MSVOA_X

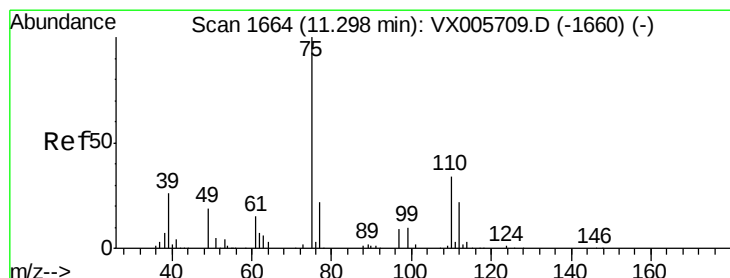
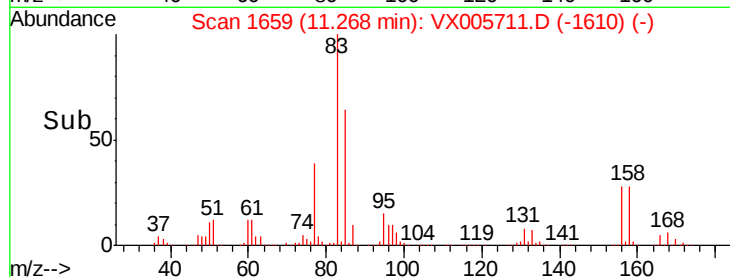
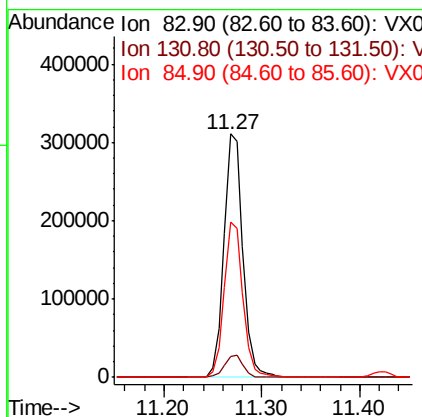
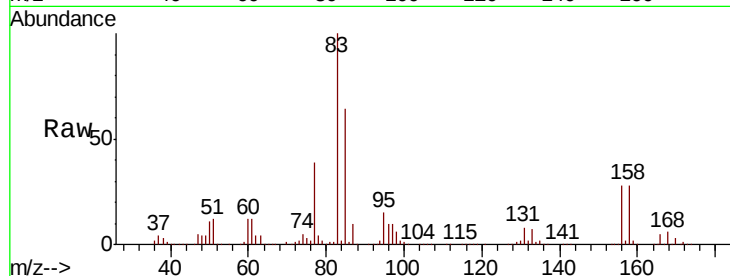
ClientSampleId :

VSTDIC150

Tot Ion:	83	Resp:	414691
Ion Ratio	Lower	Upper	
83	100		
131	8.9	5.3	15.9
85	63.8	32.0	96.2

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 140.067 ug/l m

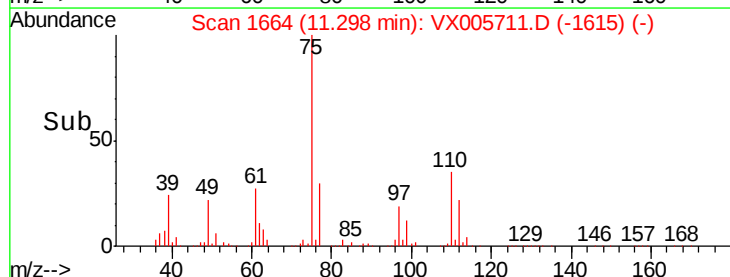
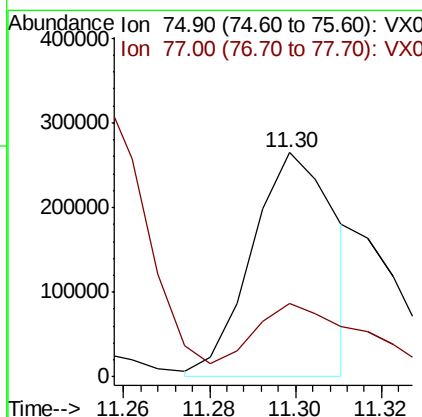
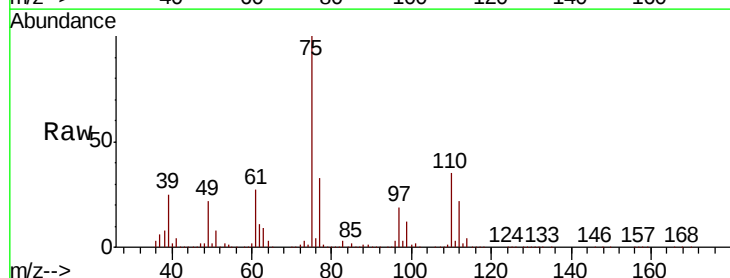
RT: 11.30 min Scan# 1664

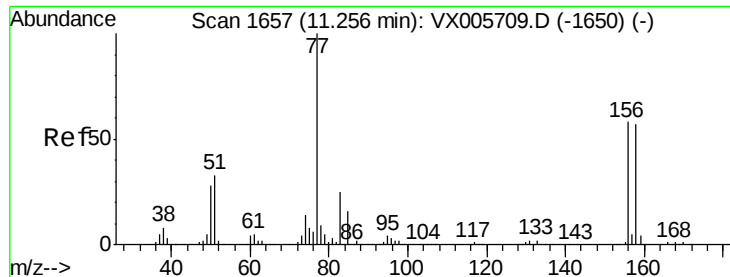
Delta R.T. 0.00 min

Lab File: VX005711.D

Acq: 31 Oct 2018 16:14

Tgt Ion:	75	Resp:	360348
Ion Ratio	Lower	Upper	
75	100		
77	43.7	20.5	61.6





#77

Bromobenzene

Concen: 141.356 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX005711.D

Acq: 31 Oct 2018 16:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:156 Resp: 238619

Ion Ratio Lower Upper

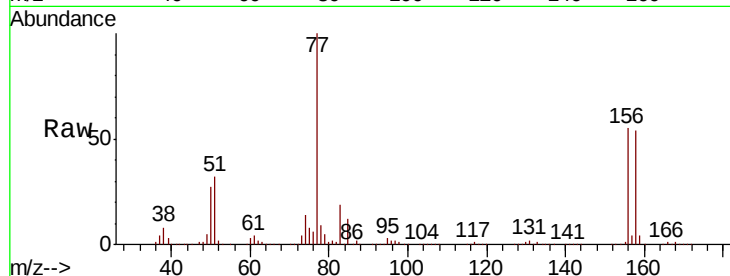
156 100

77 177.4 74.8 224.4

158 97.8 49.1 147.3

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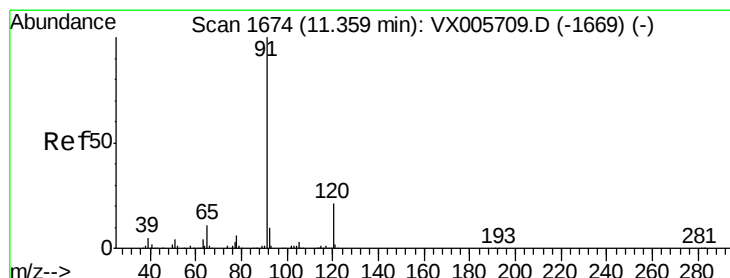
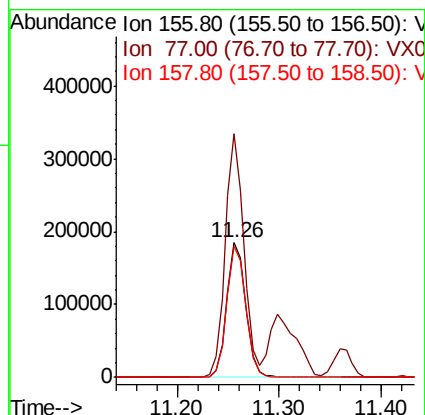
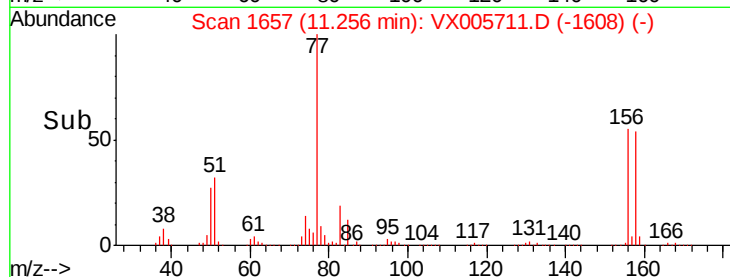
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 147.180 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX005711.D

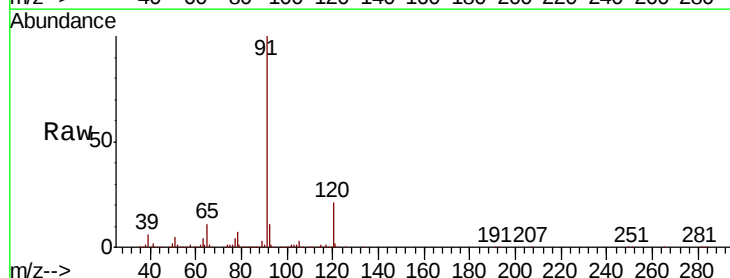
Acq: 31 Oct 2018 16:14

Tgt Ion: 91 Resp: 1210477

Ion Ratio Lower Upper

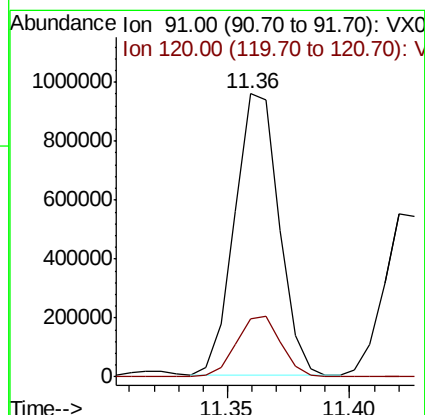
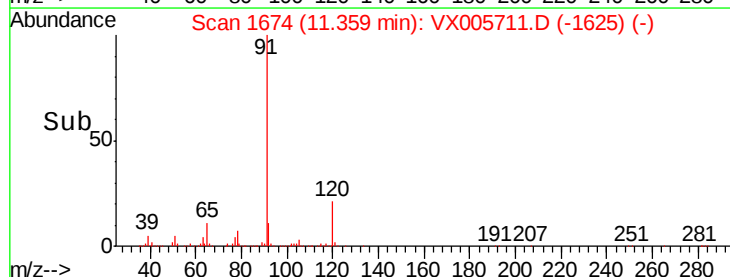
91 100

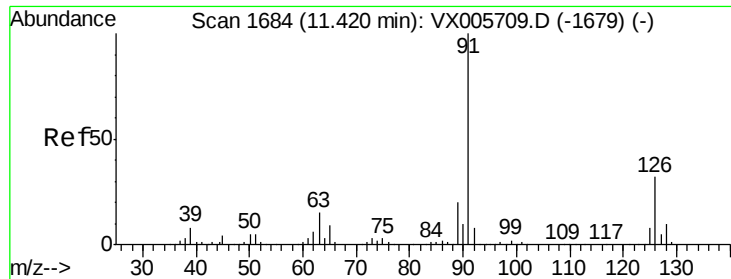
120 21.7 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 144.082 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX005711.D

Acq: 31 Oct 2018 16:14

Instrument :

MSVOA_X

ClientSampled :

VSTDICC150

Tot Ion: 91 Resp: 710207

Ion Ratio Lower Upper

91 100

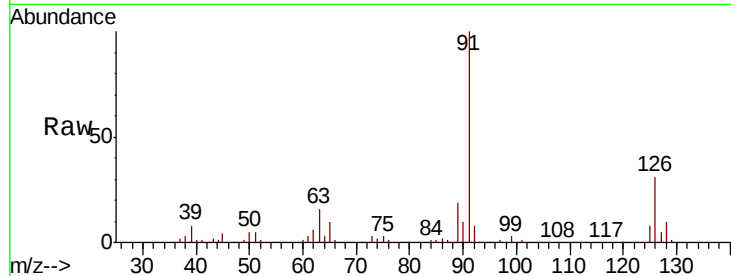
126 32.2 17.3 52.0

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Abundance Ion 91.00 (90.70 to 91.70): VX005709.D (-1679) (-)

Ion 125.90 (125.60 to 126.60): VX005709.D (-1679) (-)

1000000

800000

600000

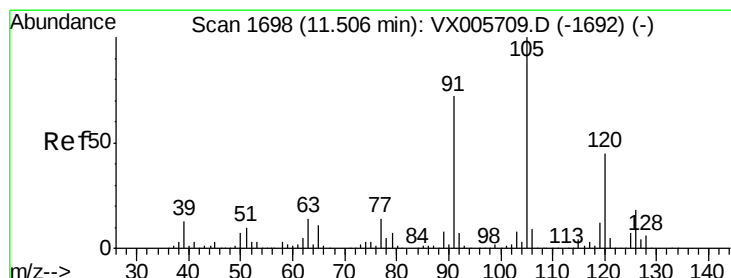
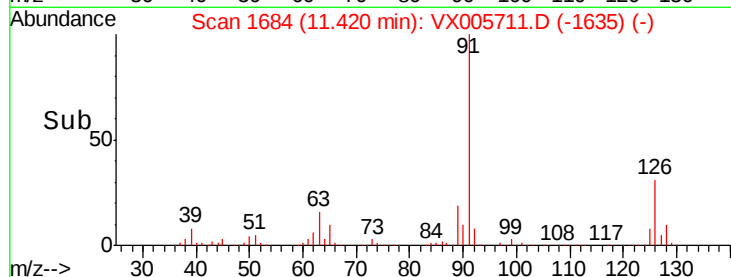
400000

200000

0

11.40 11.45

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 155.387 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX005711.D

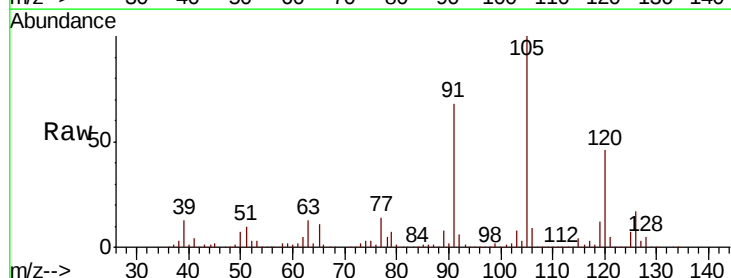
Acq: 31 Oct 2018 16:14

Tgt Ion:105 Resp: 883907

Ion Ratio Lower Upper

105 100

120 46.2 24.1 72.2



Abundance Ion 105.00 (104.70 to 105.70): VX005709.D (-1692) (-)

Ion 120.00 (119.70 to 120.70): VX005709.D (-1692) (-)

800000

600000

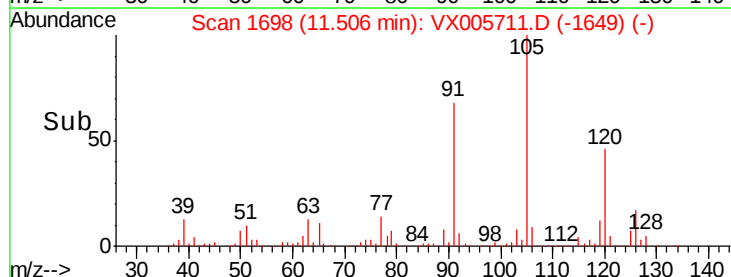
400000

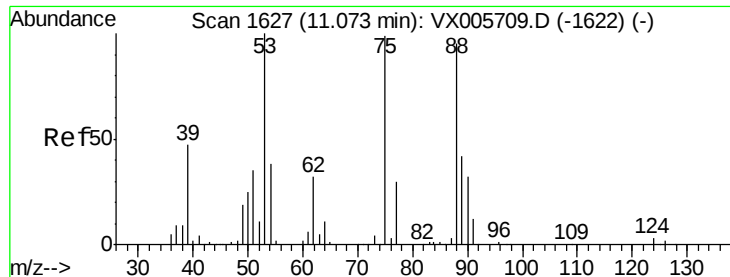
200000

0

11.40 11.50 11.60

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 172.135 ug/l

RT: 11.08 min Scan# 1628

Delta R.T. 0.01 min

Lab File: VX005711.D

Acq: 31 Oct 2018 16:14

Instrument :

MSVOA_X

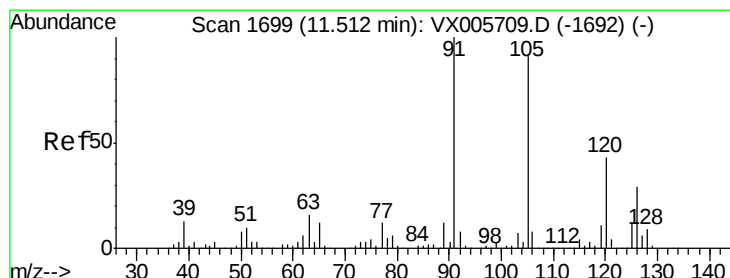
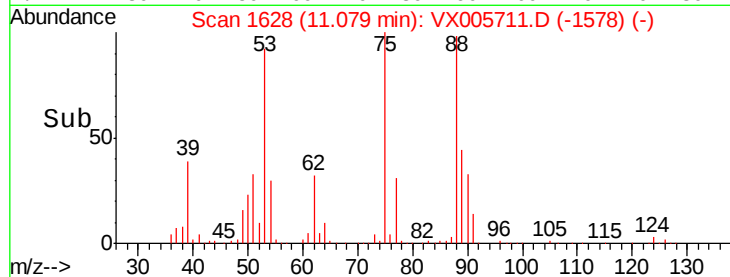
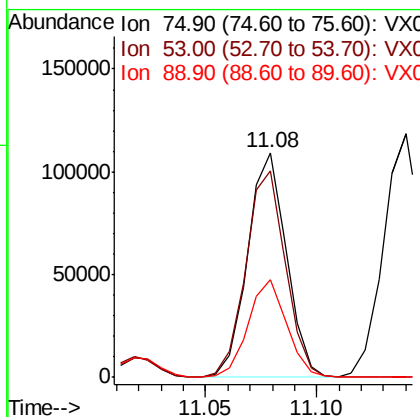
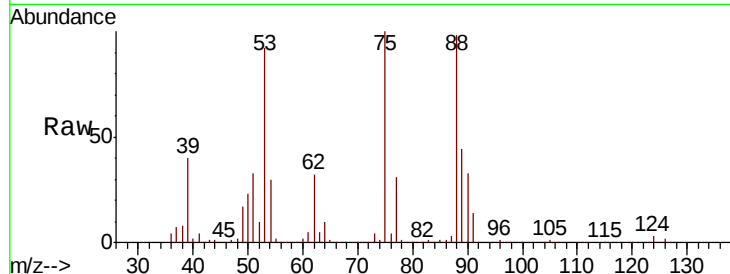
ClientSampleId :

VSTDIC150

Tot Ion:	75	Resp:	132299
Ion Ratio	Lower	Upper	
75	100		
53	94.6	80.2	120.2
89	43.5	39.8	59.8

Manual Integrations
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#82

4-Chlorotoluene

Concen: 149.805 ug/l

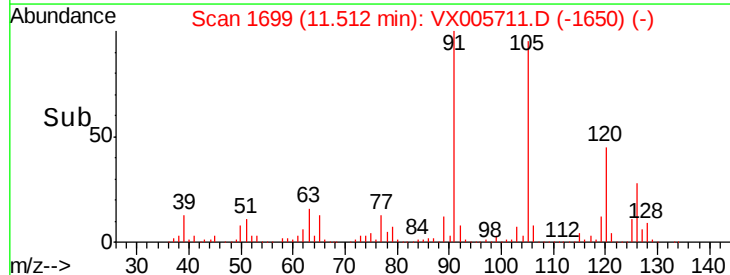
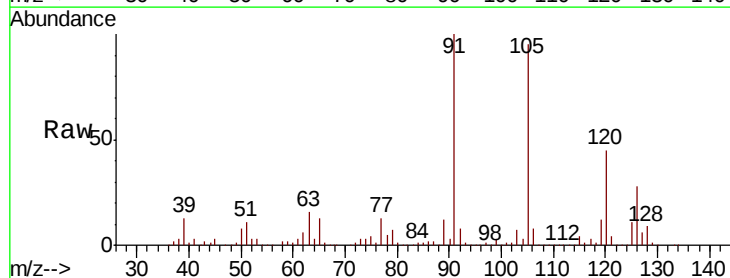
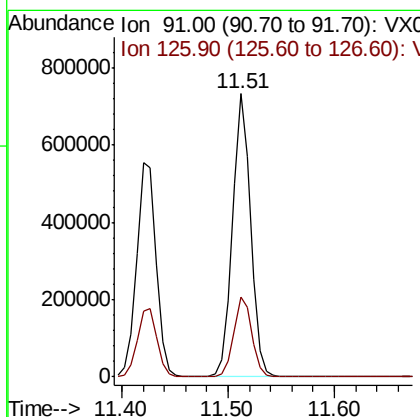
RT: 11.51 min Scan# 1699

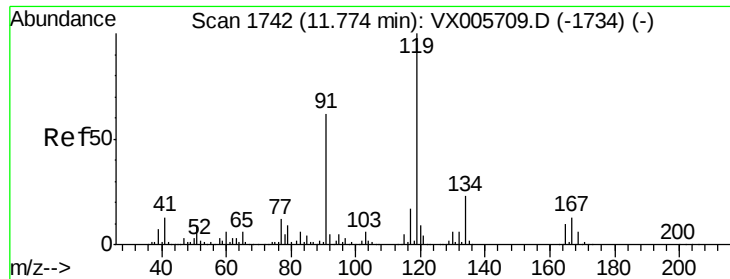
Delta R.T. 0.00 min

Lab File: VX005711.D

Acq: 31 Oct 2018 16:14

Tgt Ion:	91	Resp:	875958
Ion Ratio	Lower	Upper	
91	100		
126	28.3	15.2	45.6





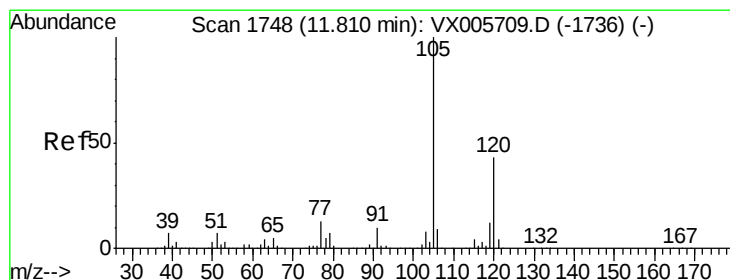
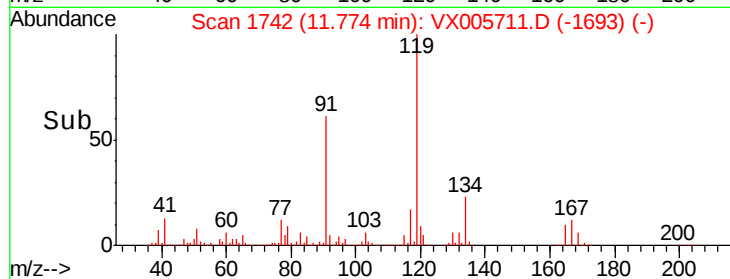
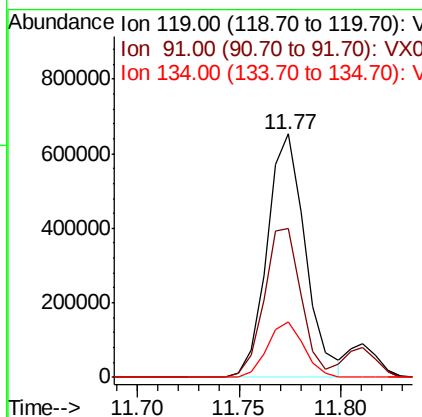
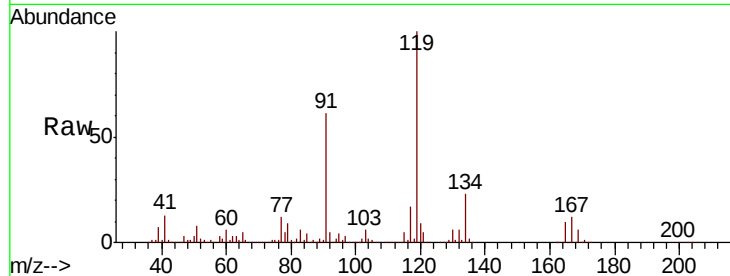
#83
 tert-Butylbenzene
 Concen: 157.190 ug/l
 RT: 11.77 min Scan# 1742
 Delta R.T. 0.00 min
 Lab File: VX005711.D
 Acq: 31 Oct 2018 16:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
119	100	851464		
91	59.5	28.5	85.5	
134	21.7	11.3	33.8	

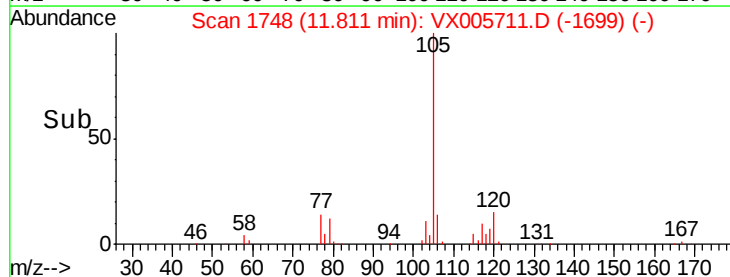
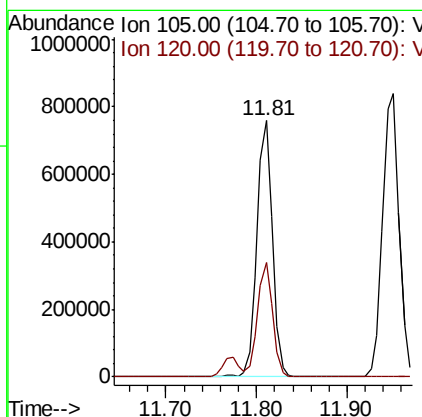
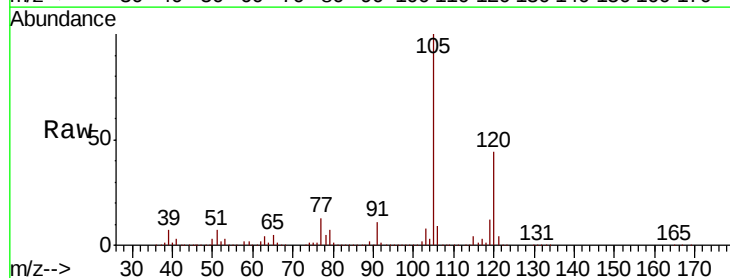
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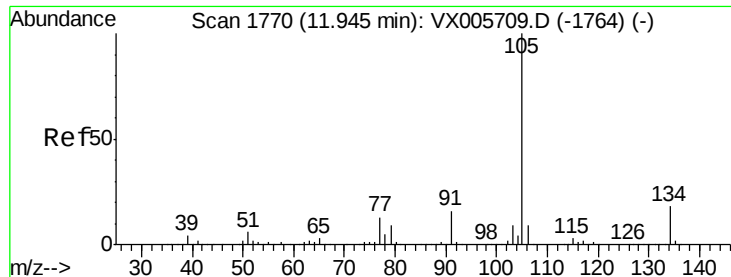
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#84
 1,2,4-Trimethylbenzene
 Concen: 156.654 ug/l
 RT: 11.81 min Scan# 1748
 Delta R.T. 0.00 min
 Lab File: VX005711.D
 Acq: 31 Oct 2018 16:14

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	898586		
120	43.3	22.4	67.0	





#85

sec-Butylbenzene

Concen: 150.587 ug/l

RT: 11.95 min Scan# 1771

Delta R.T. 0.01 min

Lab File: VX005711.D

Acq: 31 Oct 2018 16:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 1054019

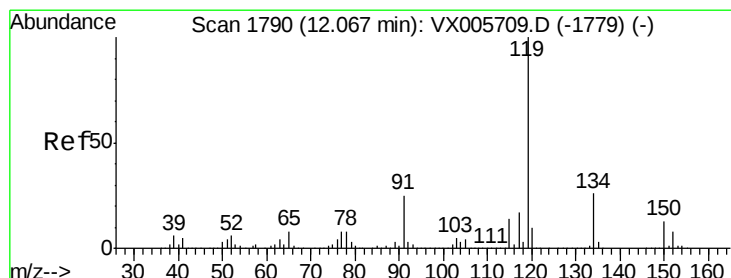
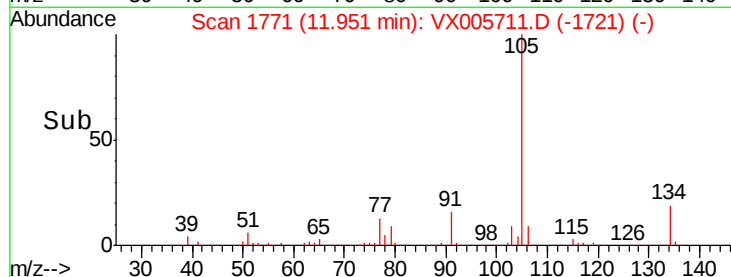
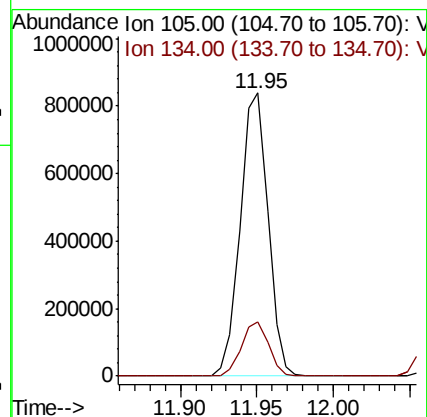
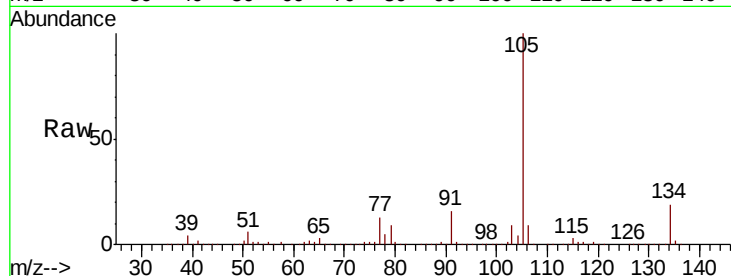
Ion Ratio Lower Upper

105 100

134 18.8 10.2 30.4

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#86

p-Isopropyltoluene

Concen: 156.161 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. 0.00 min

Lab File: VX005711.D

Acq: 31 Oct 2018 16:14

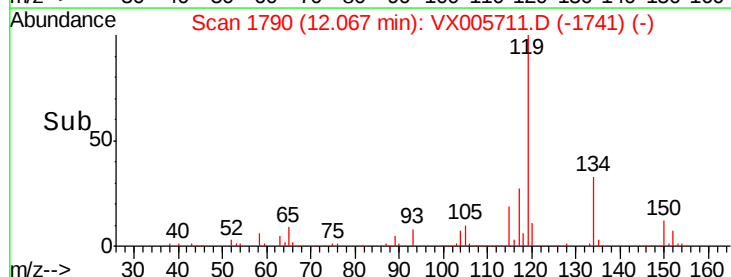
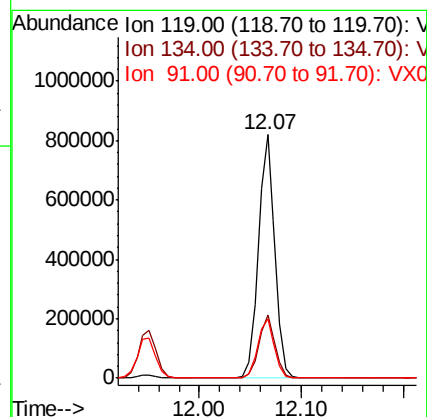
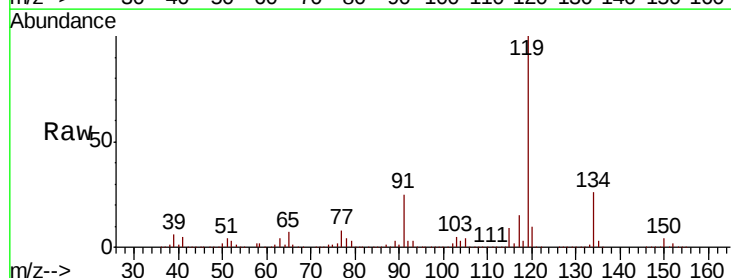
Tgt Ion:119 Resp: 923889

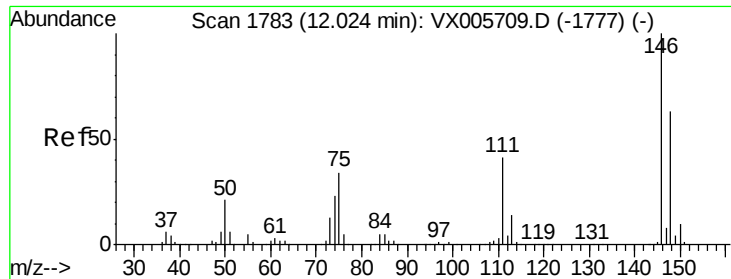
Ion Ratio Lower Upper

119 100

134 25.7 13.0 39.0

91 24.8 11.4 34.2





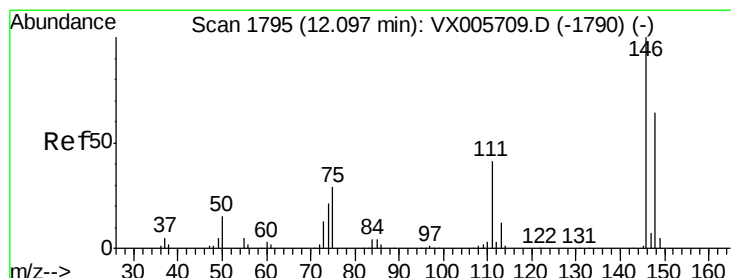
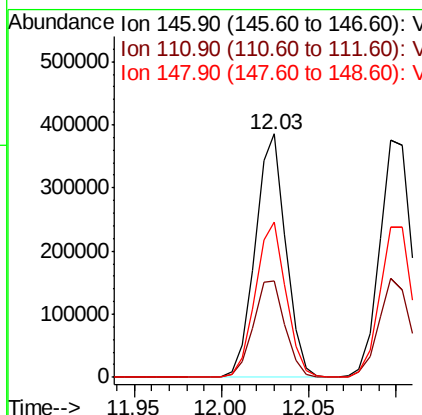
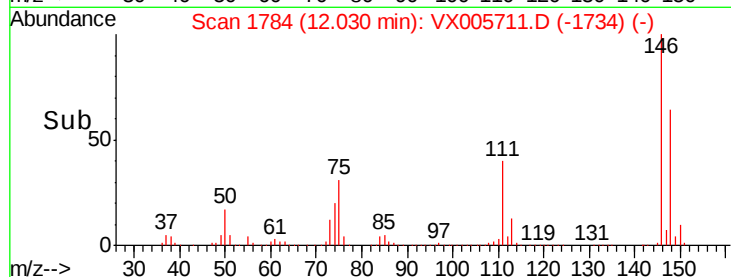
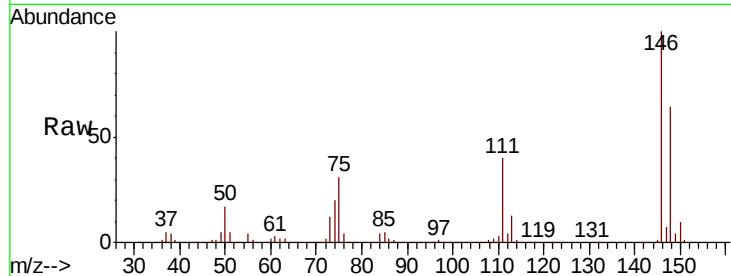
#87
 1,3-Dichlorobenzene
 Concen: 143.805 ug/l
 RT: 12.03 min Scan# 1784
 Delta R.T. 0.01 min
 Lab File: VX005711.D
 Acq: 31 Oct 2018 16:14

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.4	19.0	57.0
148	64.0	31.9	95.9

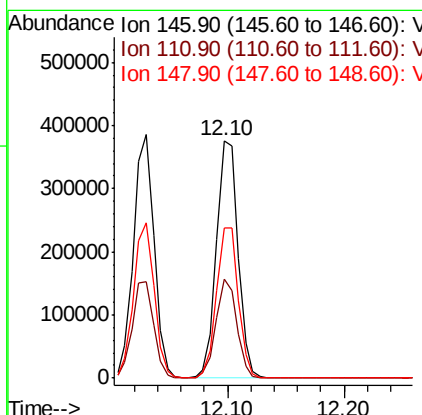
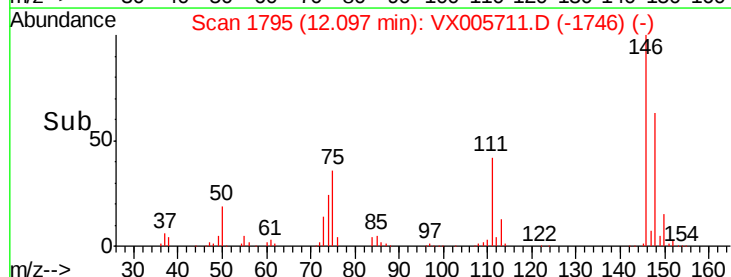
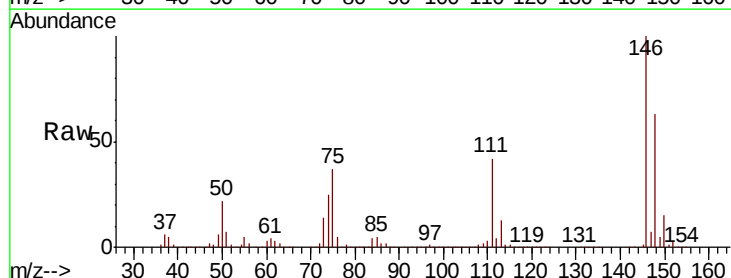
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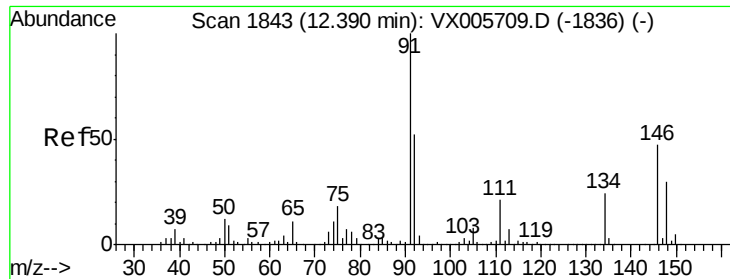
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#88
 1,4-Dichlorobenzene
 Concen: 135.579 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX005711.D
 Acq: 31 Oct 2018 16:14

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.2	18.6	55.8
148	63.6	32.1	96.3





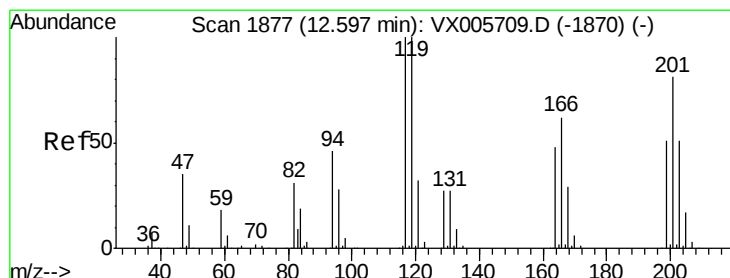
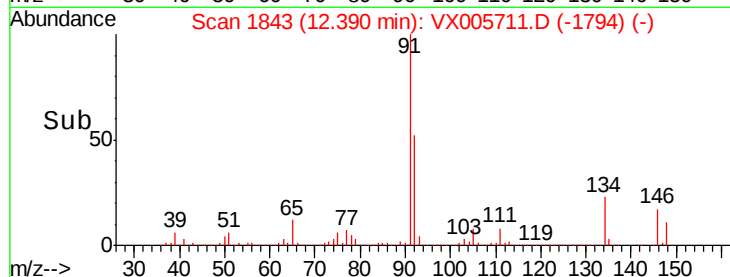
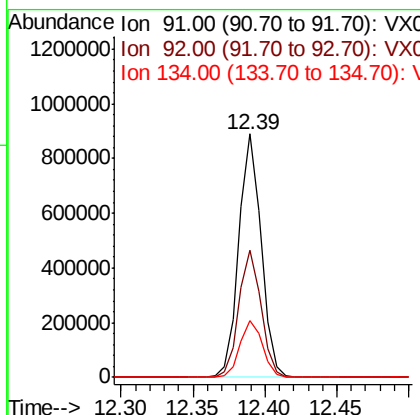
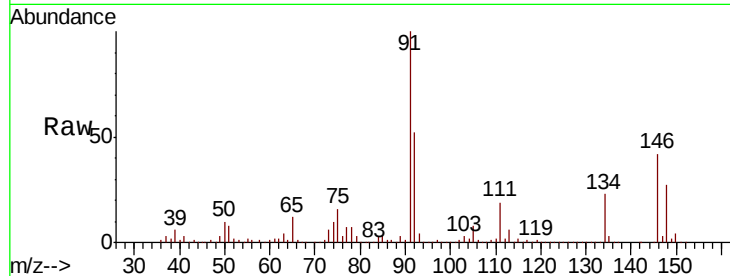
#89
n-Butylbenzene
Concen: 162.175 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.00 min
Lab File: VX005711.D
Acq: 31 Oct 2018 16:14

Instrument :
MSVOA_X
ClientSampled :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.1	26.1	78.2
134	23.5	13.1	39.3

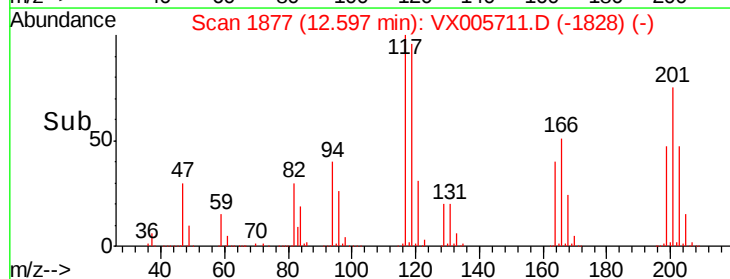
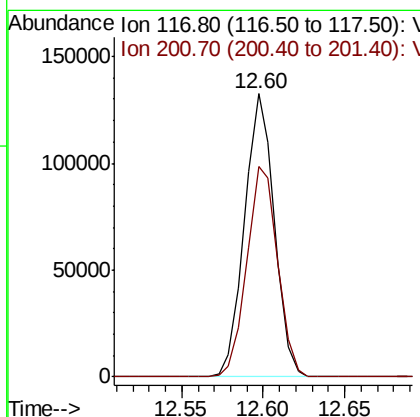
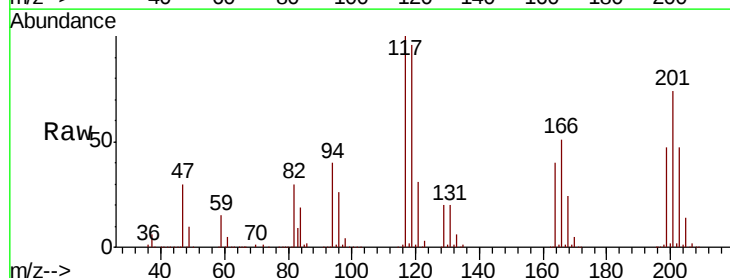
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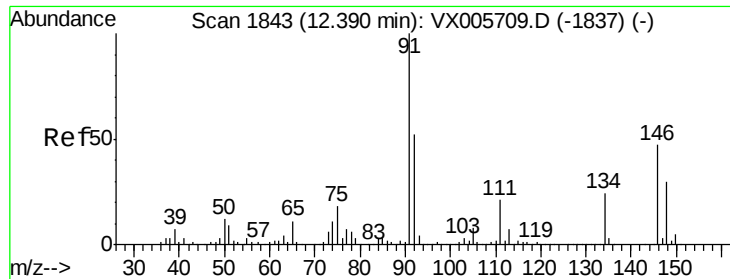
MMDadoda
11/1/2018 9:49:30 AM



#90
Hexachloroethane
Concen: 161.795 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX005711.D
Acq: 31 Oct 2018 16:14

Tgt Ion	Ratio	Lower	Upper
117	100		
201	77.1	47.9	143.6





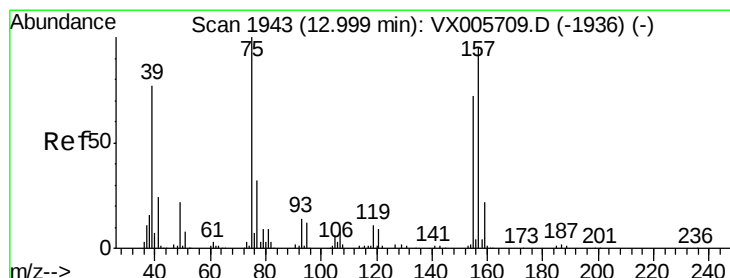
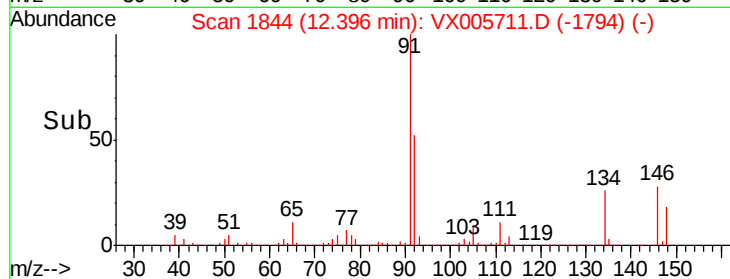
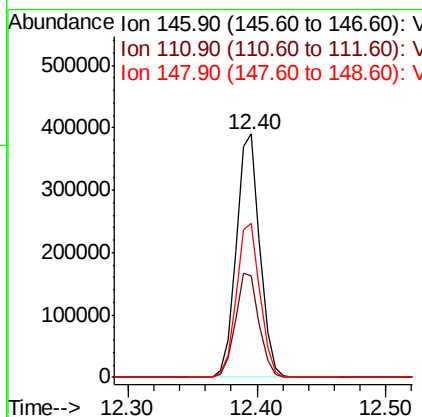
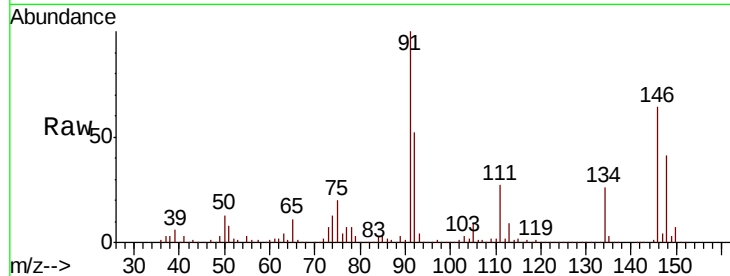
#91
 1,2-Dichlorobenzene
 Concen: 145.341 ug/l
 RT: 12.40 min Scan# 1844
 Delta R.T. 0.01 min
 Lab File: VX005711.D
 Acq: 31 Oct 2018 16:14

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.0	20.0	59.9
148	63.8	32.2	96.6

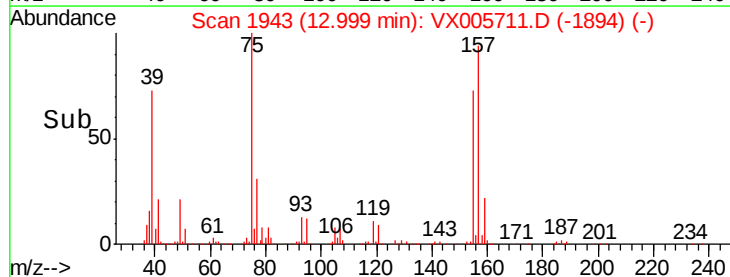
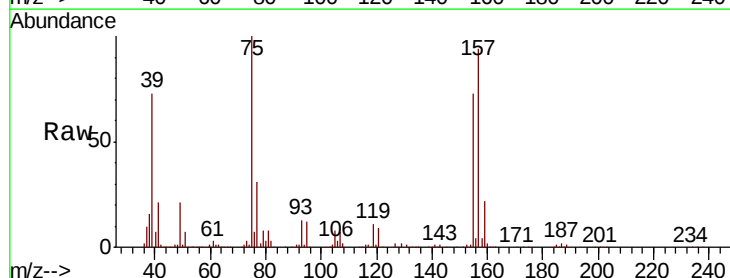
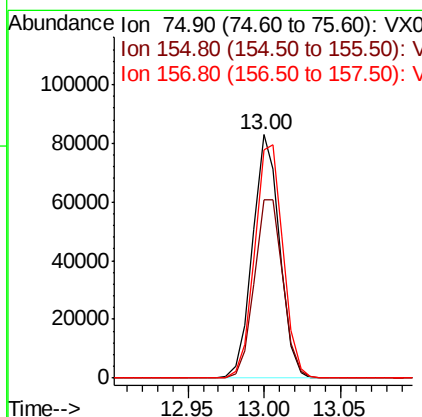
Manual Integrations
 APPROVED

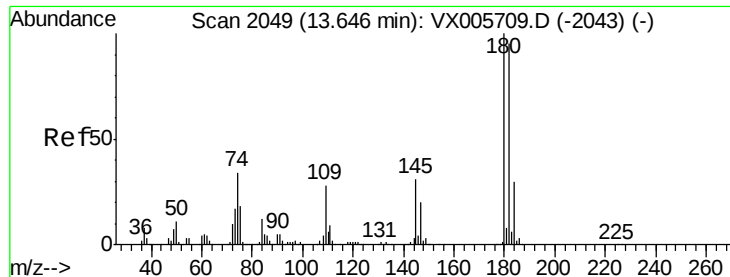
MMDadoda
 11/1/2018 9:49:30 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 156.541 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX005711.D
 Acq: 31 Oct 2018 16:14

Tgt Ion	Ratio	Lower	Upper
75	100		
155	77.6	45.4	136.1
157	100.3	57.4	172.0





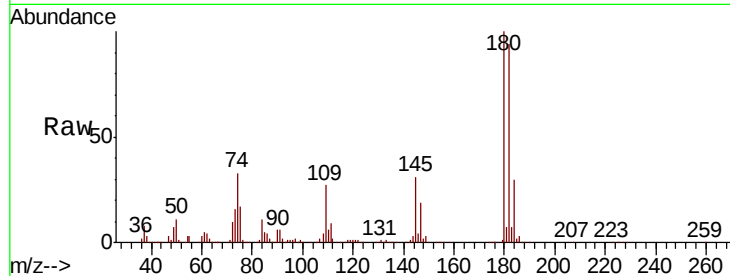
#93
 1,2,4-Trichlorobenzene
 Concen: 157.360 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX005711.D
 Acq: 31 Oct 2018 16:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.3	47.6	142.8	
145	30.5	14.1	42.2	

Manual Integrations
 APPROVED

MMDadoda
 11/1/2018 9:49:30 AM

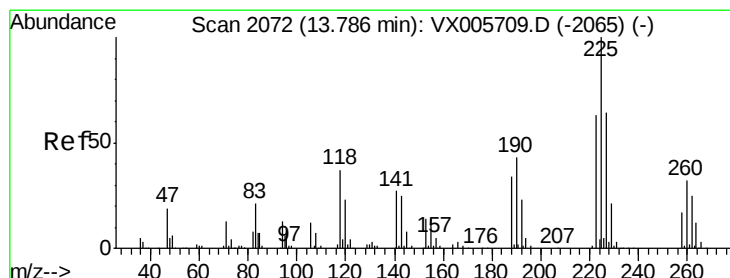
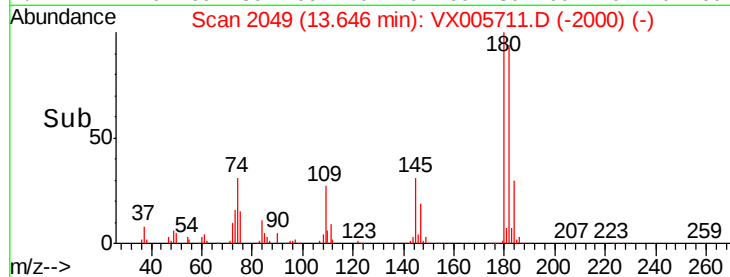
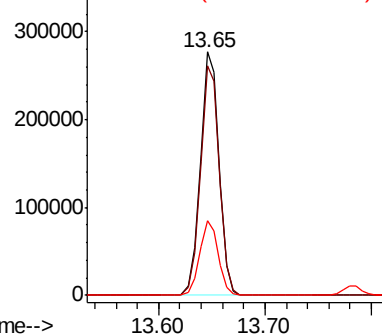


Abundance

Ion 179.80 (179.50 to 180.50): V

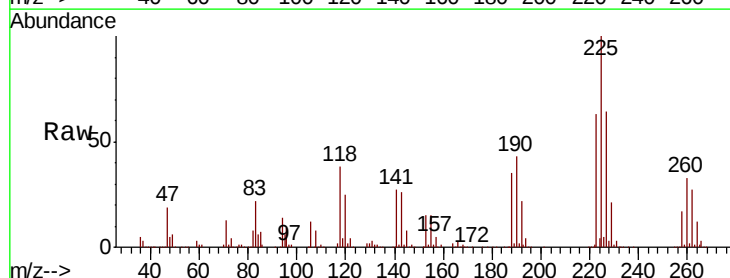
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 140.826 ug/l
 RT: 13.79 min Scan# 2072
 Delta R.T. 0.00 min
 Lab File: VX005711.D
 Acq: 31 Oct 2018 16:14

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	63.1	31.7	95.1	
227	64.3	32.3	96.9	

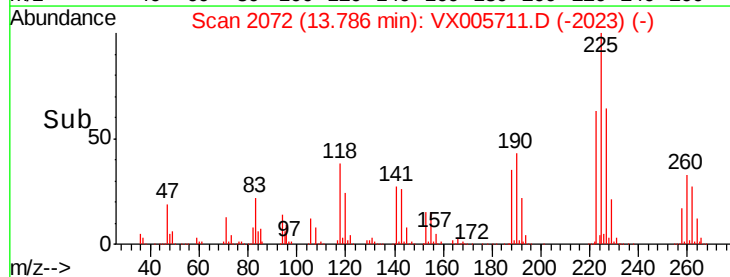
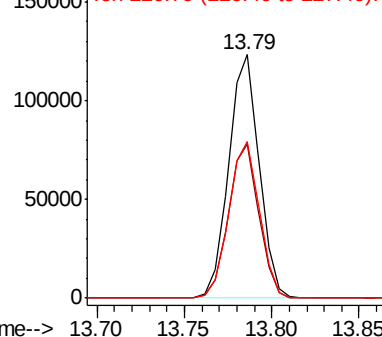


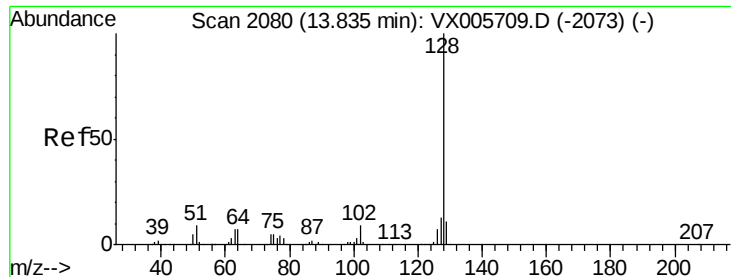
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 168.204 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX005711.D

Acq: 31 Oct 2018 16:14

Instrument :

MSVOA_X

ClientSampled :

VSTDICC150

Tot Ion:128 Resp: 1174441

Ion Ratio Lower Upper

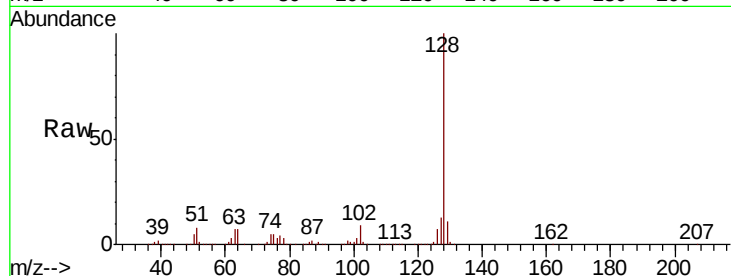
128 100

127 13.2 10.4 15.6

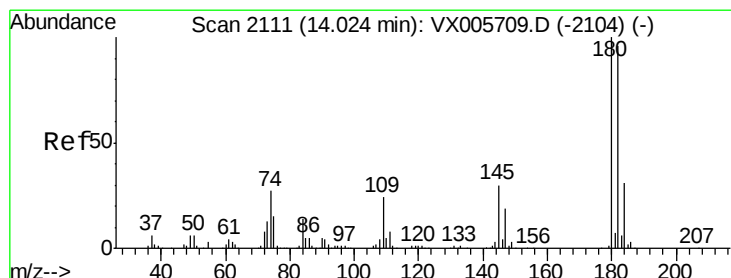
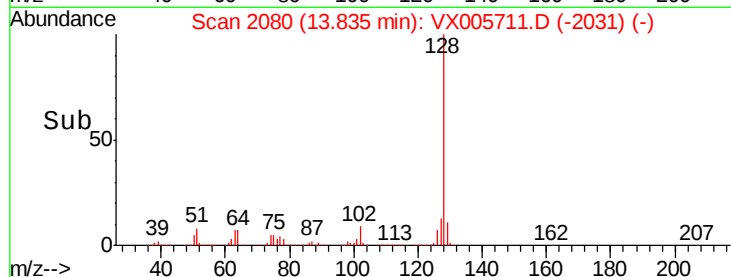
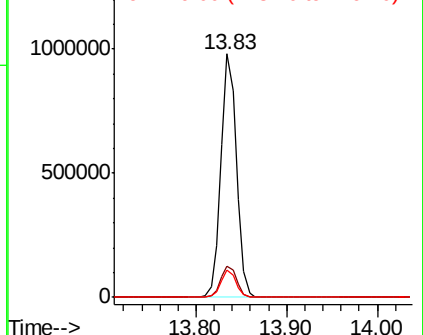
129 11.0 8.7 13.1

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Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 153.190 ug/l

RT: 14.02 min Scan# 2111

Delta R.T. 0.00 min

Lab File: VX005711.D

Acq: 31 Oct 2018 16:14

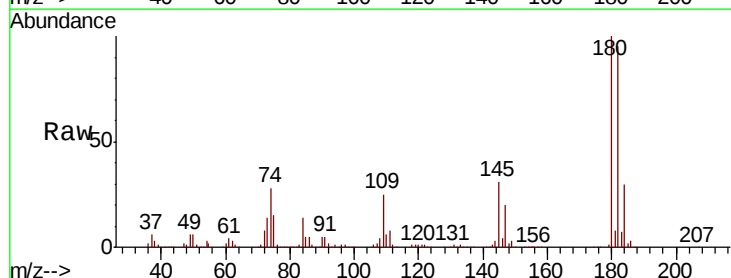
Tgt Ion:180 Resp: 336612

Ion Ratio Lower Upper

180 100

182 95.3 48.0 144.2

145 32.0 15.1 45.3



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

