

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX103118\
 Data File : VX005717.D
 Acq On : 31 Oct 2018 20:22
 Operator : JC/MD
 Sample : VX1031MBS01
 Misc : 5.0µl/10ml/100ul/5.00mL/MSVOA_X/MEOH
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1031MBS01

Manual Integrations
 APPROVED

MMDadoda
 11/1/2018 9:49:38 AM

Quant Time: Oct 31 23:05:59 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X103118W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 31 18:23:06 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	129838	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	219983	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	183719	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	92318	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	94069	49.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.12%	
35) Dibromofluoromethane	5.50	113	73139	48.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.04%	
50) Toluene-d8	8.71	98	261312	48.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.82%	
62) 4-Bromofluorobenzene	11.14	95	95085	48.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.46%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	33749	22.501	ug/l	94
3) Chloromethane	1.32	50	36185	20.453	ug/l	97
4) Vinyl Chloride	1.40	62	38095	20.696	ug/l	98
5) Bromomethane	1.64	94	32599	14.273	ug/l	97
6) Chloroethane	1.72	64	23180	21.477	ug/l	95
7) Trichlorofluoromethane	1.93	101	48712	20.618	ug/l	96
8) Diethyl Ether	2.19	74	22124	20.833	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	2.38	101	29385	20.476	ug/l	92
10) Methyl Iodide	2.51	142	22942	17.727	ug/l	99
11) Tert butyl alcohol	3.07	59	52244	101.344	ug/l	100
12) 1,1-Dichloroethene	2.37	96	27773	19.860	ug/l	83
13) Acrolein	2.29	56	36455	106.202	ug/l	99
14) Allyl chloride	2.73	41	54563	18.869	ug/l #	93
15) Acrylonitrile	3.15	53	111831	98.651	ug/l	99
16) Acetone	2.45	43	96937	93.480	ug/l	92
17) Carbon Disulfide	2.57	76	79000	18.384	ug/l	100
18) Methyl Acetate	2.78	43	51665	18.965	ug/l	97
19) Methyl tert-butyl Ether	3.21	73	102536	21.182	ug/l	97
20) Methylene Chloride	2.85	84	32933	20.119	ug/l	92
21) trans-1,2-Dichloroethene	3.16	96	30103	20.344	ug/l	89
22) Diisopropyl ether	3.87	45	108671	20.259	ug/l #	97
23) Vinyl Acetate	3.82	43	480144	102.768	ug/l	99
24) 1,1-Dichloroethane	3.70	63	59489	19.613	ug/l	99
25) 2-Butanone	4.70	43	157338	98.257	ug/l	98
26) 2,2-Dichloropropane	4.59	77	41620	18.356	ug/l	98
27) cis-1,2-Dichloroethene	4.59	96	33859	20.363	ug/l	94
28) Bromochloromethane	5.01	49	28863	19.505	ug/l	99
29) Tetrahydrofuran	5.15	42	96934	99.179	ug/l	91
30) Chloroform	5.21	83	60225	20.309	ug/l	95
31) Cyclohexane	5.58	56	52661	20.762	ug/l	92
32) 1,1,1-Trichloroethane	5.50	97	48803	20.563	ug/l	97
36) 1,1-Dichloropropene	5.81	75	44734	19.086	ug/l	96
37) Ethyl Acetate	4.85	43	55931	18.705	ug/l	97
38) Carbon Tetrachloride	5.78	117	40603	19.175	ug/l	89

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	45388	18.569	ug/l	94
40) Benzene	6.14	78	136752	19.613	ug/l	99
41) Methacrylonitrile	5.06	41	30845	19.092	ug/l	94
42) 1,2-Dichloroethane	6.20	62	48933	18.986	ug/l	98
43) Isopropyl Acetate	6.46	43	83499	19.240	ug/l	97
44) Trichloroethene	7.21	130	30189	18.720	ug/l	93
45) 1,2-Dichloropropane	7.52	63	34083	19.074	ug/l	100
46) Dibromomethane	7.66	93	21060	18.442	ug/l	89
47) Bromodichloromethane	7.90	83	39322	18.358	ug/l	99
48) Methyl methacrylate	7.77	41	39619	18.862	ug/l	94
49) 1,4-Dioxane	7.75	88	18257	390.328	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	278739	94.193	ug/l	97
52) Toluene	8.79	92	74035	19.630	ug/l	97
53) t-1,3-Dichloropropene	9.04	75	42871	18.468	ug/l	97
54) cis-1,3-Dichloropropene	8.44	75	48108	19.343	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	31468	19.213	ug/l	97
56) Ethyl methacrylate	9.18	69	48049	18.899	ug/l	97
57) 1,3-Dichloropropane	9.37	76	53553	19.034	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	145782	98.840	ug/l	95
59) 2-Hexanone	9.49	43	218760	90.838	ug/l	96
60) Dibromochloromethane	9.59	129	28826	18.213	ug/l	100
61) 1,2-Dibromoethane	9.67	107	32051	19.204	ug/l	98
64) Tetrachloroethene	9.34	164	28316	21.096	ug/l	94
65) Chlorobenzene	10.14	112	81172	20.792	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	27108	20.283	ug/l	96
67) Ethyl Benzene	10.25	91	141717	21.270	ug/l	99
68) m/p-Xylenes	10.36	106	106649	43.076	ug/l	96
69) o-Xylene	10.70	106	50971	21.525	ug/l	96
70) Styrene	10.71	104	85404	21.715	ug/l	98
71) Bromoform	10.86	173	20849	19.254	ug/l	# 99
73) Isopropylbenzene	11.02	105	141823	23.286	ug/l	98
74) N-amyl acetate	10.90	43	68696	21.185	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.27	83	52435	20.751	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	49945m	21.722	ug/l	
77) Bromobenzene	11.26	156	33539	22.199	ug/l	89
78) n-propylbenzene	11.36	91	167637	22.625	ug/l	96
79) 2-Chlorotoluene	11.42	91	99583	22.503	ug/l	95
80) 1,3,5-Trimethylbenzene	11.51	105	117647	22.749	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.07	75	13982	19.647	ug/l	91
82) 4-Chlorotoluene	11.51	91	115753	21.910	ug/l	97
83) tert-Butylbenzene	11.77	119	111206	22.537	ug/l	96
84) 1,2,4-Trimethylbenzene	11.81	105	121414	23.250	ug/l	98
85) sec-Butylbenzene	11.94	105	141919	22.422	ug/l	97
86) p-Isopropyltoluene	12.07	119	119828	22.260	ug/l	98
87) 1,3-Dichlorobenzene	12.02	146	62130	21.268	ug/l	98
88) 1,4-Dichlorobenzene	12.10	146	64048	20.408	ug/l	97
89) n-Butylbenzene	12.39	91	114481	21.078	ug/l	98
90) Hexachloroethane	12.60	117	19410	20.323	ug/l	83
91) 1,2-Dichlorobenzene	12.39	146	63198	20.707	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.00	75	12219	20.618	ug/l	89

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QLast Update : Wed Oct 31 18:23:06 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	42194	21.556	ug/l	98
94) Hexachlorobutadiene	13.79	225	18954	20.015	ug/l	99
95) Naphthalene	13.83	128	150494	23.378	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	43838	21.998	ug/l	99

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

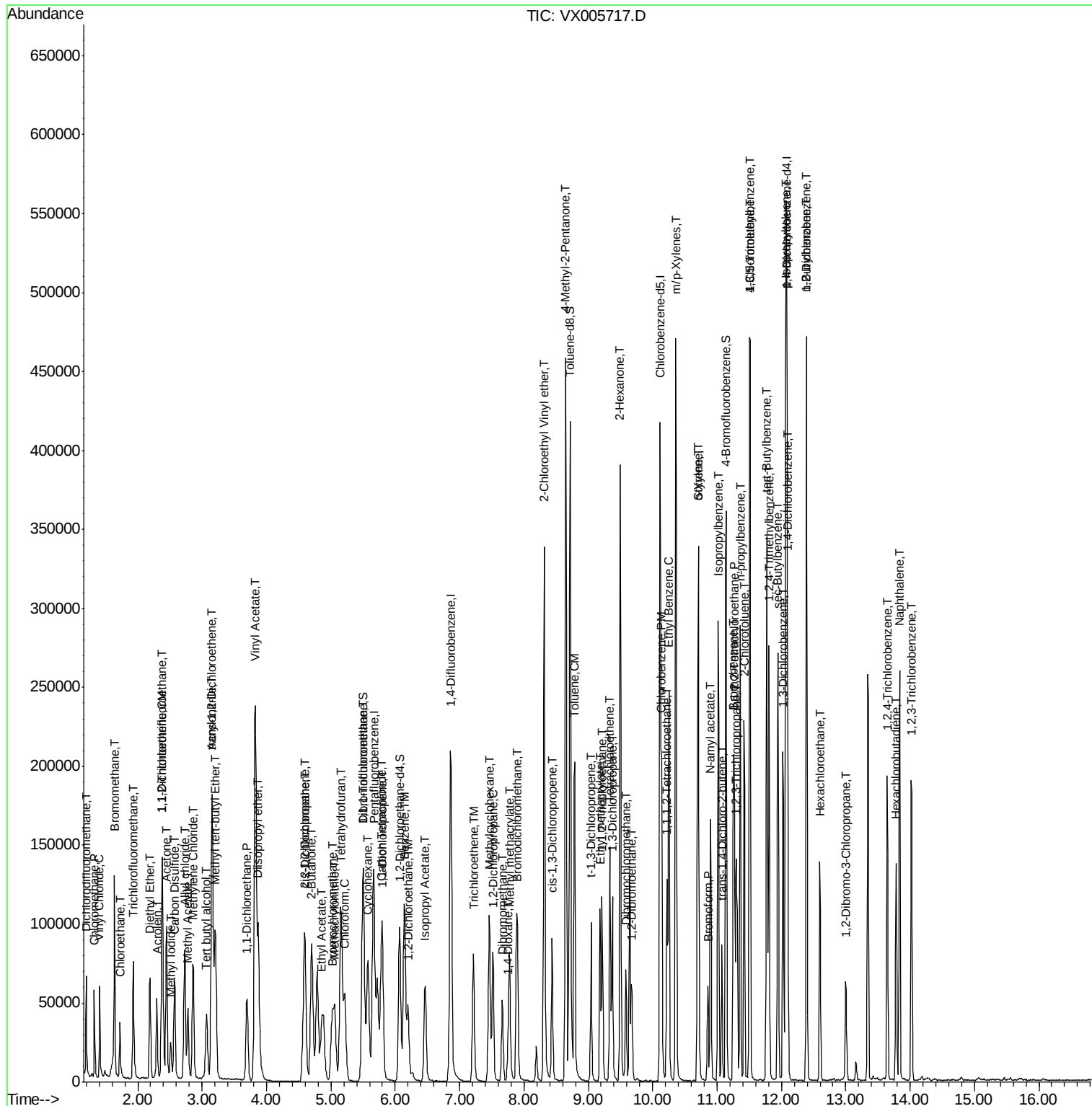
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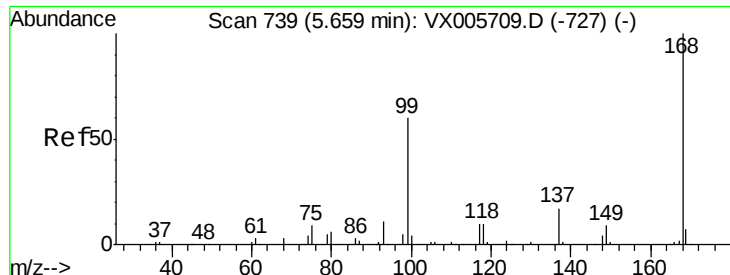
Instrument :
 MSVOA_X
 Client Sample ID :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX005717.D

Acq: 31 Oct 2018 20:22

Instrument :

MSVOA_X

ClientSampled :

VX1031MBS01

Tot Ion:168 Resp: 129838

Ion Ratio Lower Upper

168 100

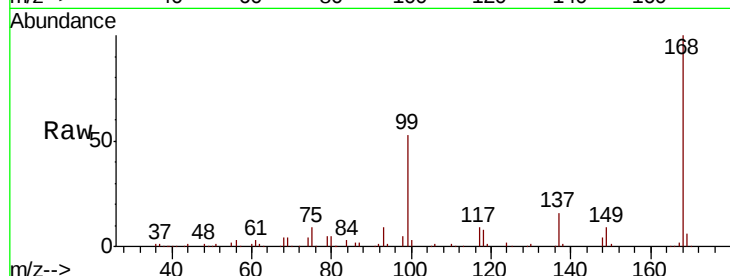
99 53.3 40.7 61.1

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

50000

40000

30000

20000

10000

0

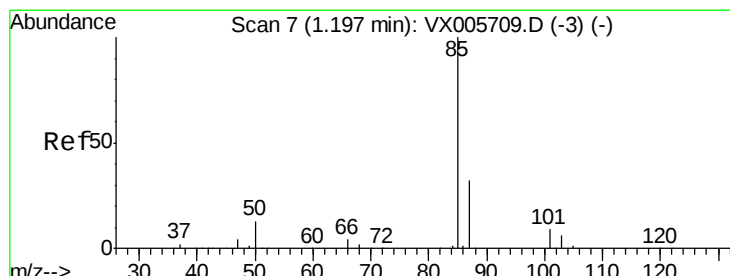
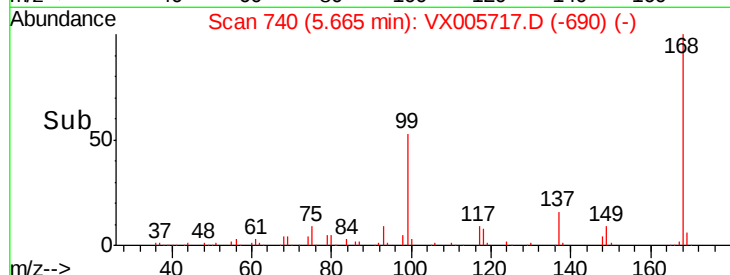
5.50

5.60

5.70

5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 22.501 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX005717.D

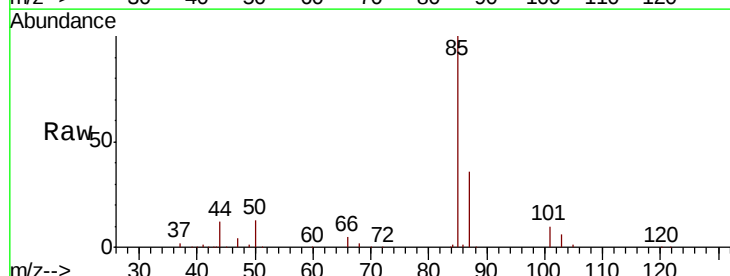
Acq: 31 Oct 2018 20:22

Tgt Ion: 85 Resp: 33749

Ion Ratio Lower Upper

85 100

87 36.1 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

40000

30000

20000

10000

0

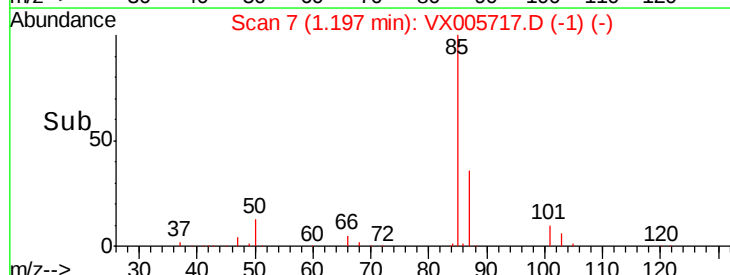
1.15

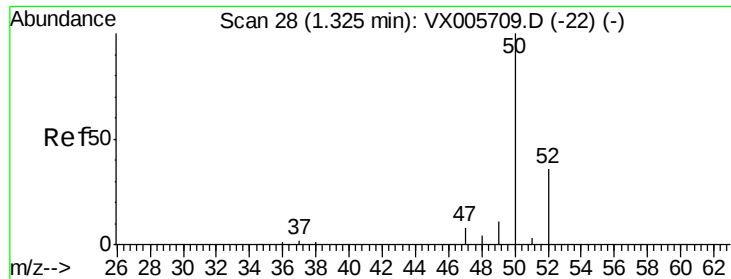
1.20

1.25

1.30

Time-->





#3

Chloromethane

Concen: 20.453 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX005717.D

Acq: 31 Oct 2018 20:22

Instrument :

MSVOA_X

ClientSampleId :

VX1031MBS01

Tot Ion: 50 Resp: 36185

Ion Ratio Lower Upper

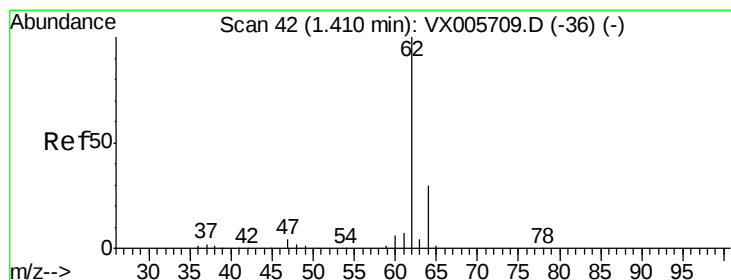
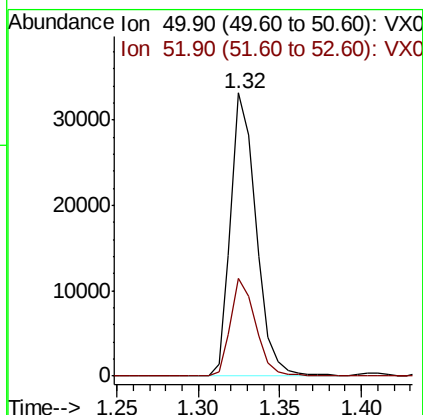
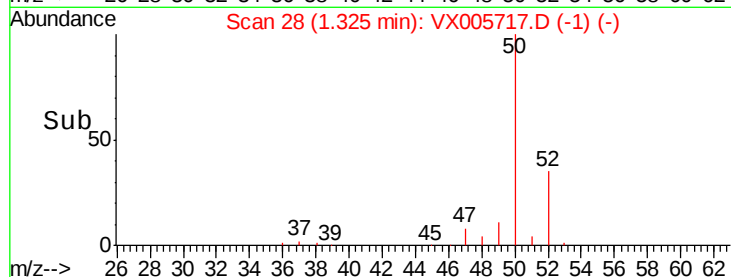
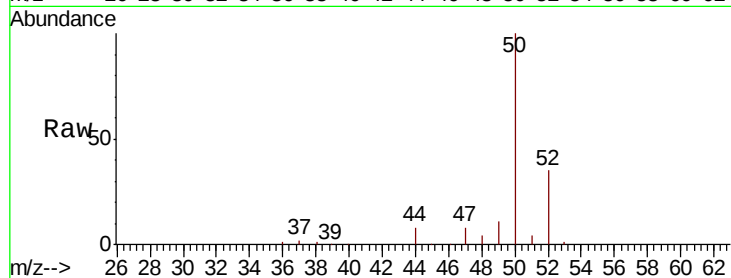
50 100

52 34.5 26.2 39.2

Manual Integrations
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#4

Vinyl Chloride

Concen: 20.696 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.01 min

Lab File: VX005717.D

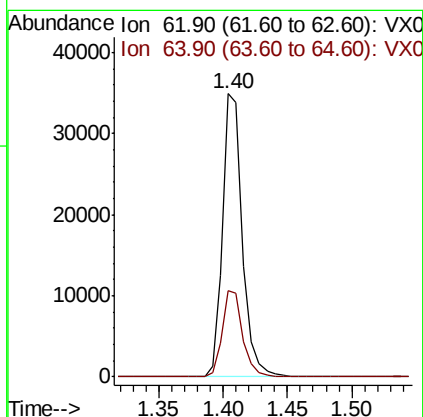
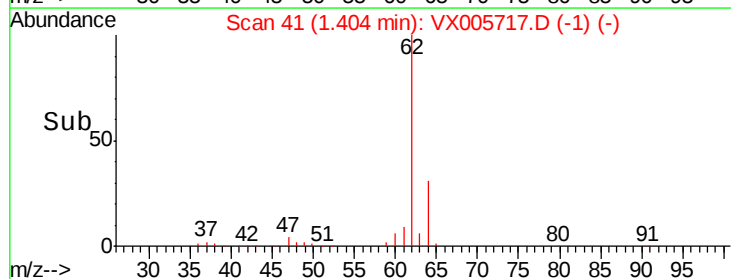
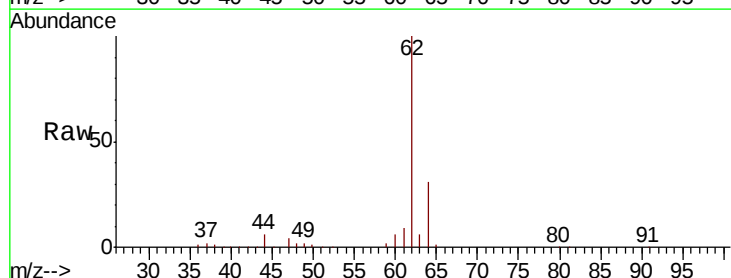
Acq: 31 Oct 2018 20:22

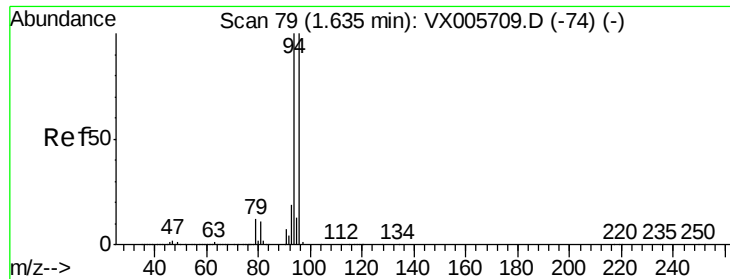
Tgt Ion: 62 Resp: 38095

Ion Ratio Lower Upper

62 100

64 30.7 25.3 37.9





#5

Bromomethane

Concen: 14.273 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX005717.D

Acq: 31 Oct 2018 20:22

Instrument :

MSVOA_X

ClientSampleId :

VX1031MBS01

Tot Ion: 94 Resp: 32599

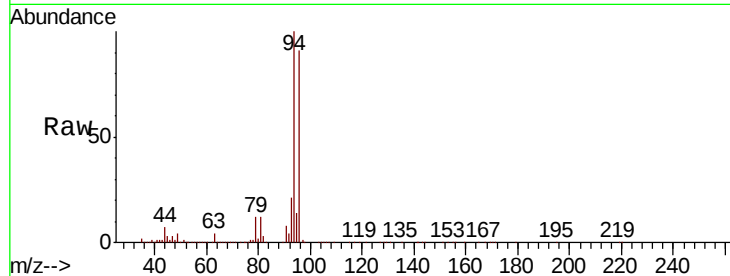
Ion Ratio Lower Upper

94 100

96 91.3 75.2 112.8

Manual Integrations
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

40000

30000

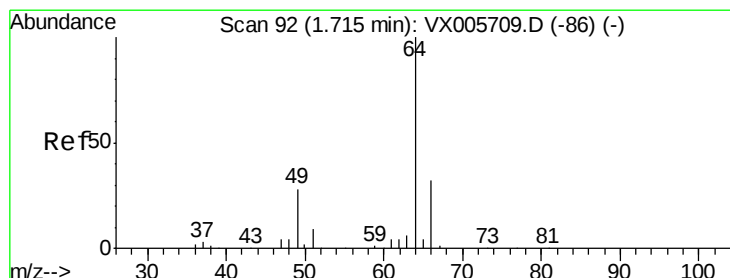
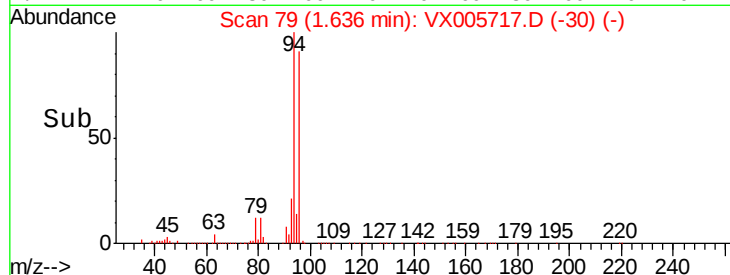
20000

10000

0

1.60 1.70

Time-->



#6

Chloroethane

Concen: 21.477 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX005717.D

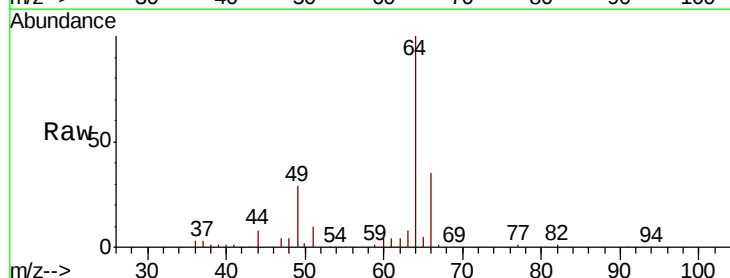
Acq: 31 Oct 2018 20:22

Tgt Ion: 64 Resp: 23180

Ion Ratio Lower Upper

64 100

66 34.7 25.8 38.6



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.72

15000

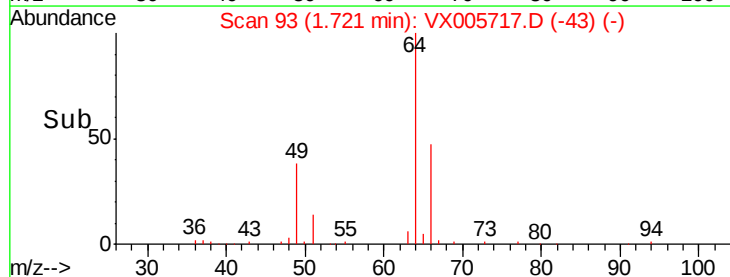
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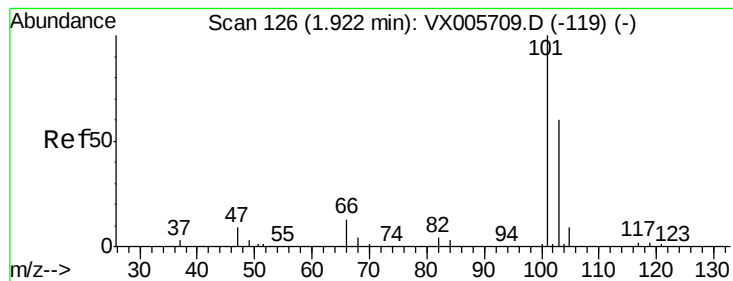
5000

0

1.65 1.70 1.75 1.80 1.85

Time-->





#7

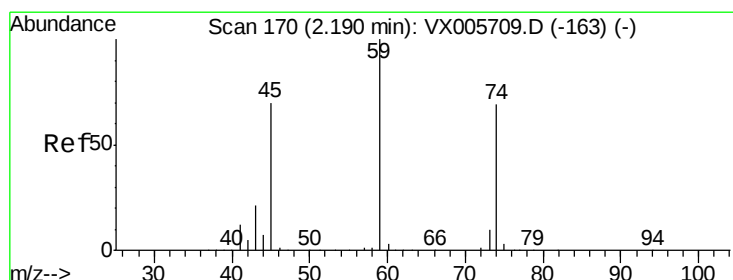
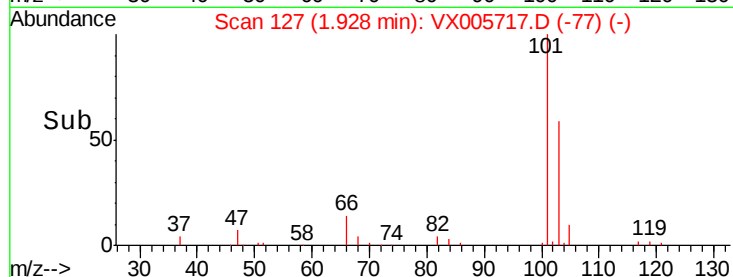
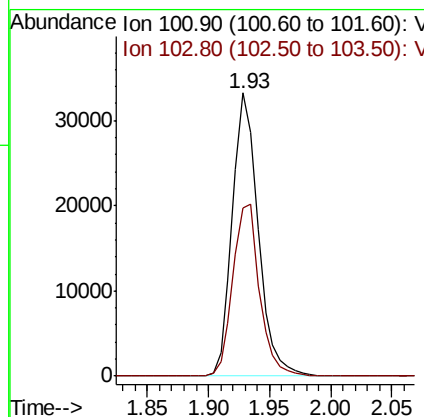
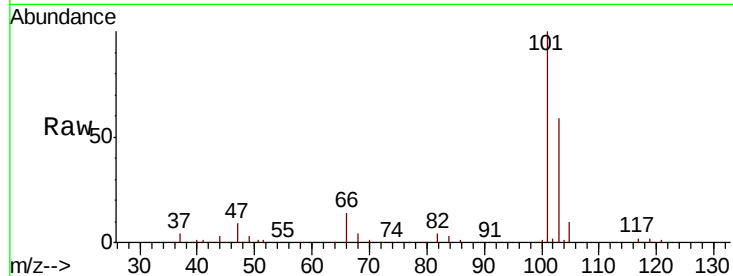
Trichlorofluoromethane
 Concen: 20.618 ug/l
 RT: 1.93 min Scan# 127
 Delta R.T. 0.01 min
 Lab File: VX005717.D
 Acq: 31 Oct 2018 20:22

Instrument :
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 ClientSampleId :
 VX1031MBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	59.3	50.0	75.0

Manual Integrations
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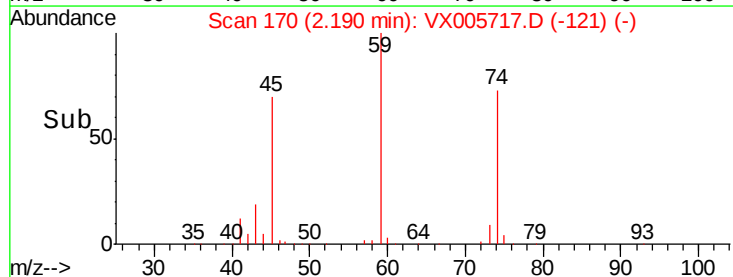
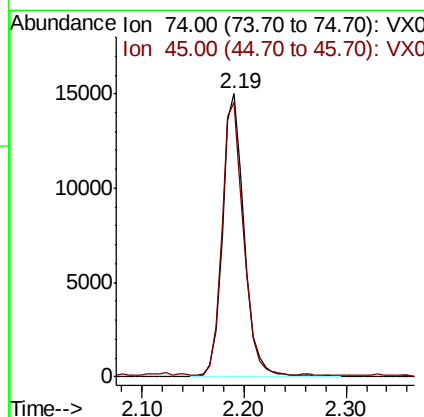
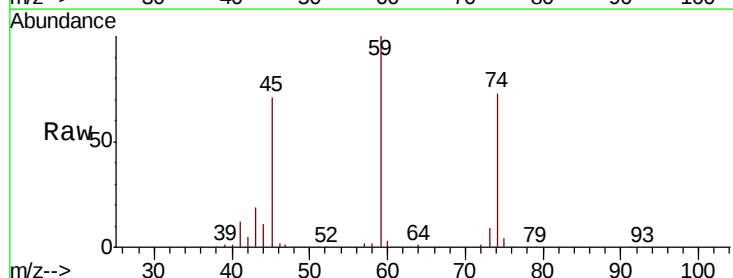
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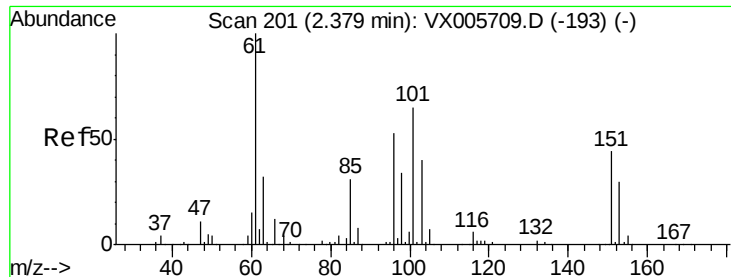


#8

Diethyl Ether
 Concen: 20.833 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. 0.00 min
 Lab File: VX005717.D
 Acq: 31 Oct 2018 20:22

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.3	54.1	162.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.476 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.00 min

Lab File: VX005717.D

Acq: 31 Oct 2018 20:22

Instrument :

MSVOA_X

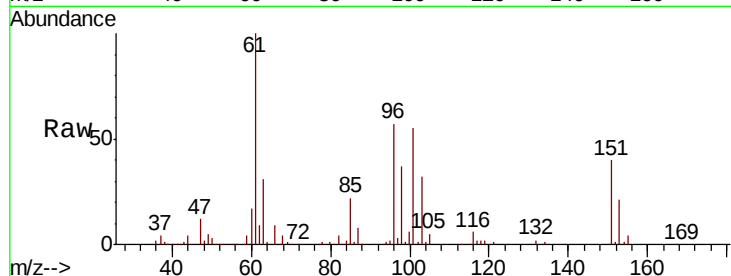
ClientSampleId :

VX1031MBS01

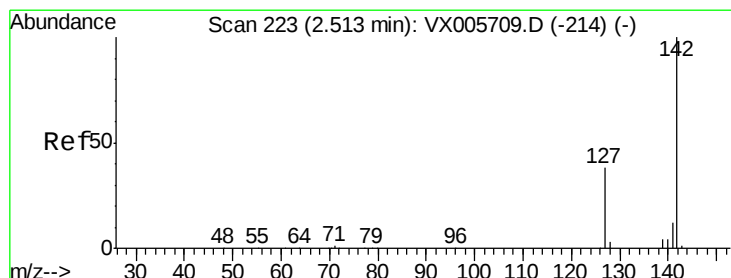
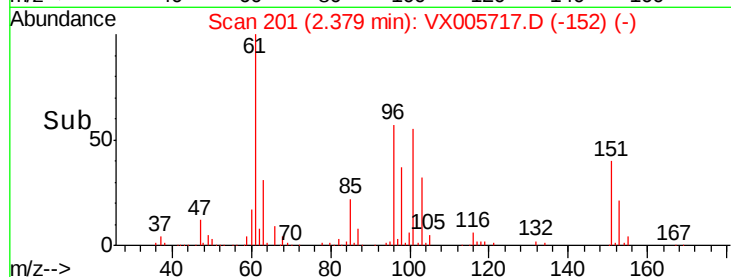
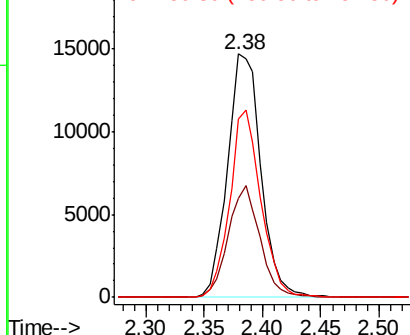
Tot Ion:	101	Resp:	29385
Ion Ratio	Lower	Upper	
101	100		
85	43.4	35.0	52.4
151	71.9	66.2	99.2

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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: 17.727 ug/l

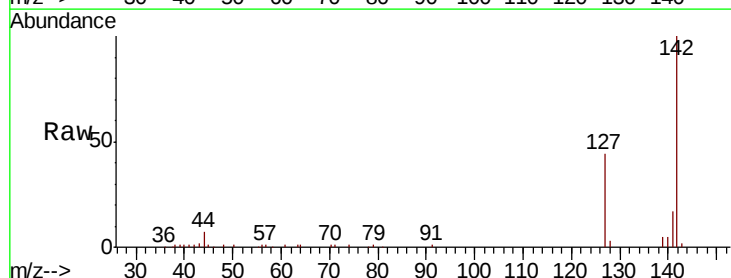
RT: 2.51 min Scan# 223

Delta R.T. 0.00 min

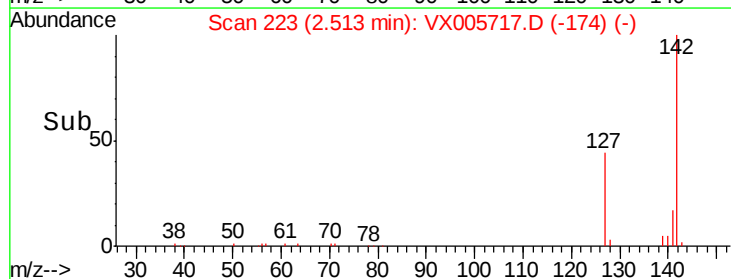
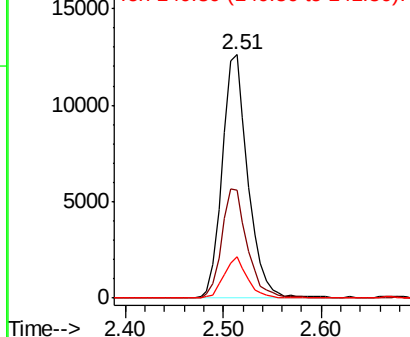
Lab File: VX005717.D

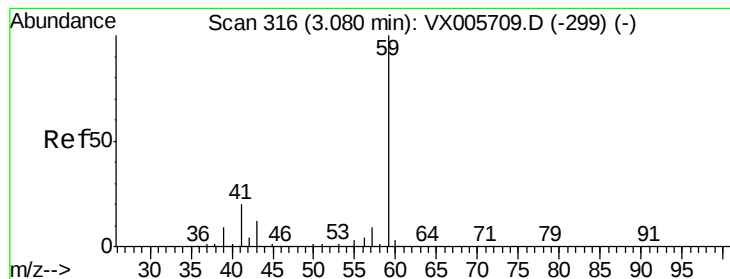
Acq: 31 Oct 2018 20:22

Tgt Ion:	142	Resp:	22942
Ion Ratio	Lower	Upper	
142	100		
127	44.6	36.0	54.0
141	15.4	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

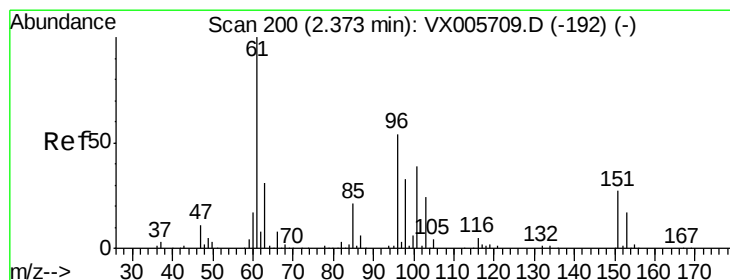
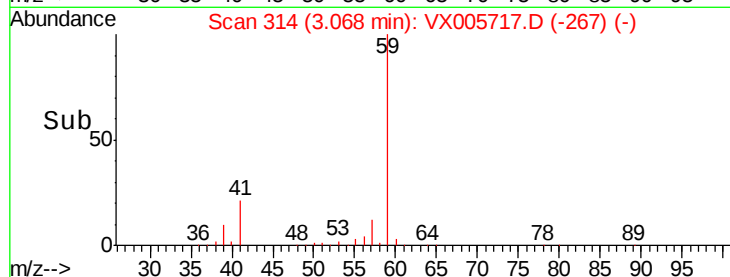
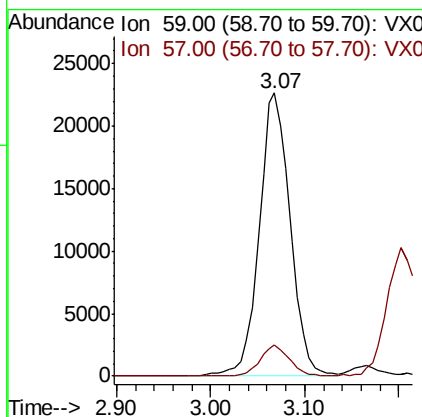
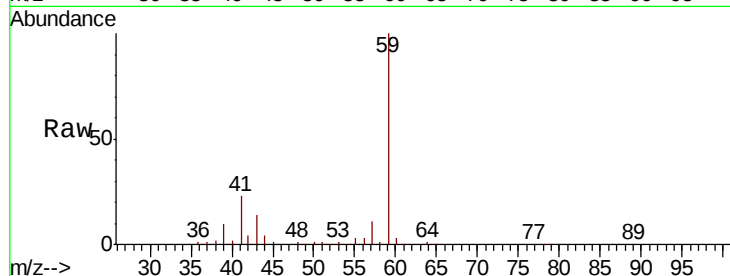
Tert butyl alcohol
Concen: 101.344 ug/l
RT: 3.07 min Scan# 314
Delta R.T. -0.01 min
Lab File: VX005717.D
Acq: 31 Oct 2018 20:22

Instrument :
MSVOA_X
ClientSampled :
VX1031MBS01

Tot Ion	59	57	Ratio	100	10.4	Resp	52244	Lower	8.5	Upper	12.7
Ion	59	57	Ratio	100	10.4	Resp	52244	Lower	8.5	Upper	12.7

Manual Integrations
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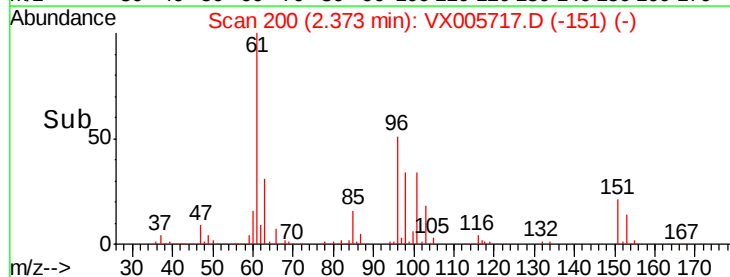
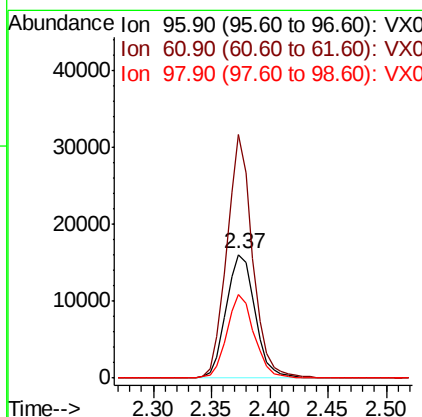
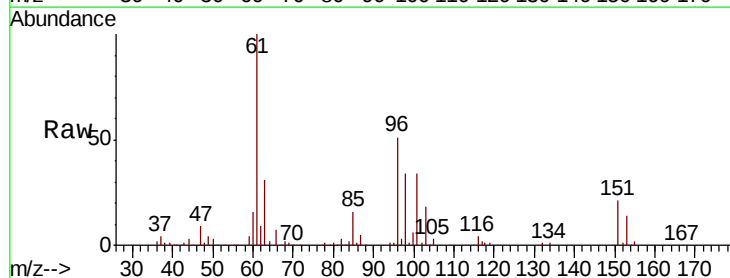
MMDadoda
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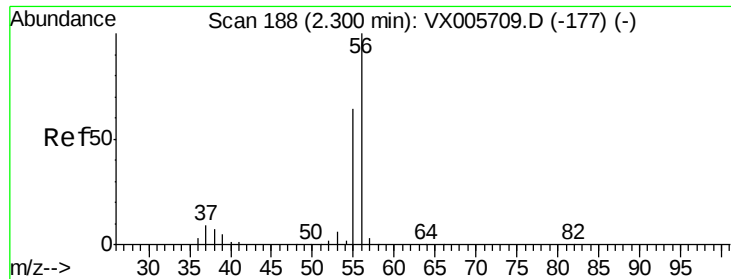


#12

1,1-Dichloroethene
Concen: 19.860 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.00 min
Lab File: VX005717.D
Acq: 31 Oct 2018 20:22

Tgt Ion	96	61	98	Ratio	100	197.2	67.5	Resp	27773	Lower	131.8	53.4	Upper	197.8	80.2
Ion	96	61	98	Ratio	100	197.2	67.5	Resp	27773	Lower	131.8	53.4	Upper	197.8	80.2





#13

Acrolein

Concen: 106.202 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.01 min

Lab File: VX005717.D

Acq: 31 Oct 2018 20:22

Instrument :

MSVOA_X

ClientSampled :

VX1031MBS01

Tot Ion: 56 Resp: 36455

Ion Ratio Lower Upper

56 100

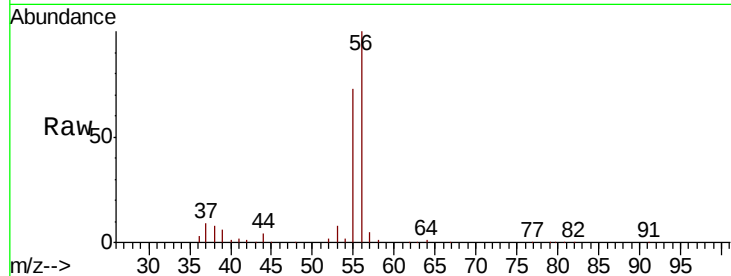
55 70.8 57.3 85.9

Manual Integrations

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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

25000

20000

15000

10000

5000

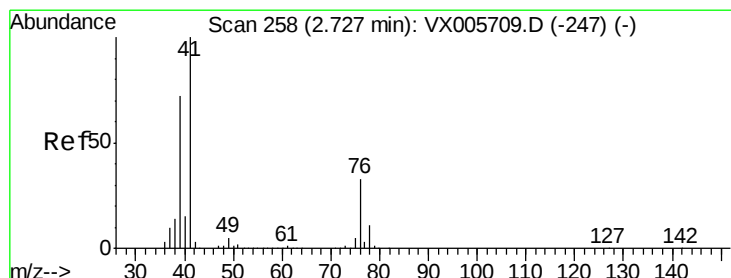
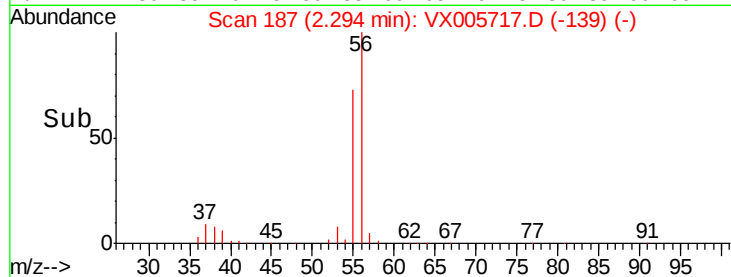
0

2.20

2.30

2.40

Time-->



#14

Allyl chloride

Concen: 18.869 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.00 min

Lab File: VX005717.D

Acq: 31 Oct 2018 20:22

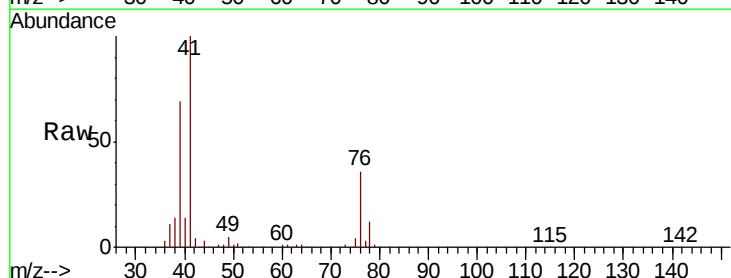
Tgt Ion: 41 Resp: 54563

Ion Ratio Lower Upper

41 100

39 64.3 48.2 72.4

76 33.0 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

40000

30000

20000

10000

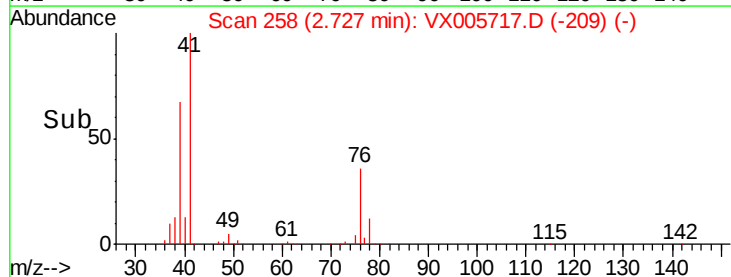
0

2.60

2.70

2.80

Time-->





#15

Acrylonitrile

Concen: 98.651 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.01 min

Lab File: VX005717.D

Acq: 31 Oct 2018 20:22

Instrument :

MSVOA_X

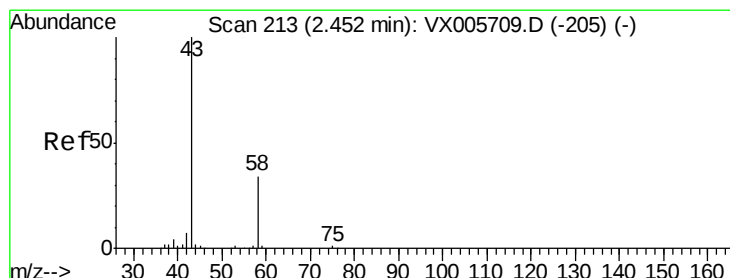
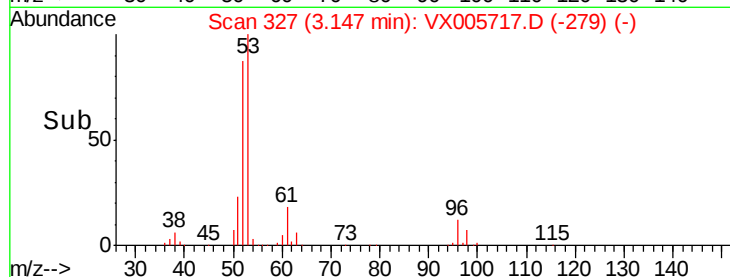
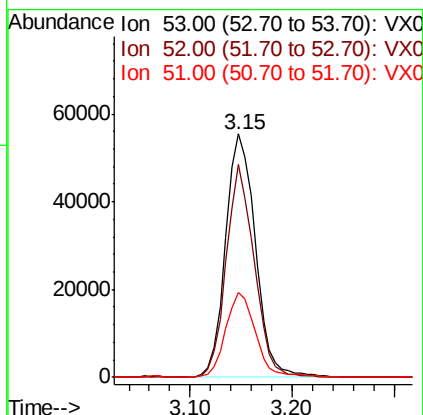
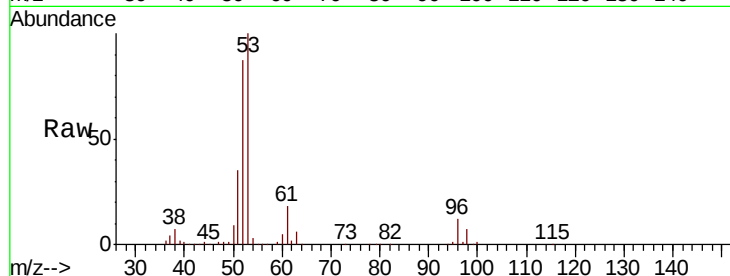
ClientSampleId :

VX1031MBS01

Tot Ion:	53	Resp:	111831
Ion Ratio	Lower	Upper	
53	100		
52	82.0	66.6	99.8
51	35.7	28.4	42.6

Manual Integrations
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#16

Acetone

Concen: 93.480 ug/l

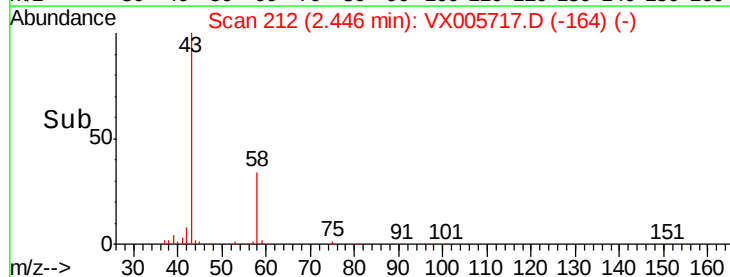
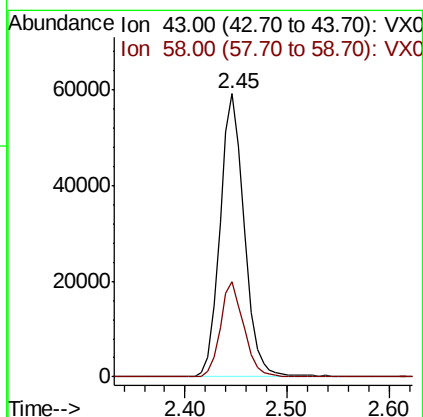
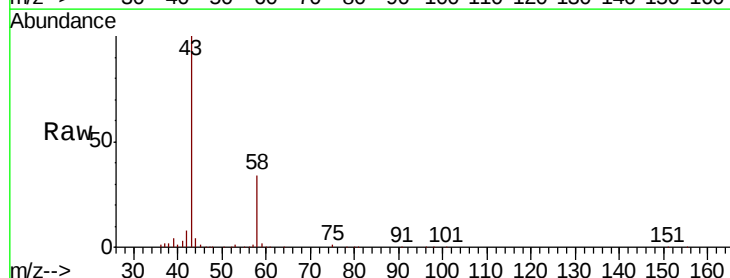
RT: 2.45 min Scan# 212

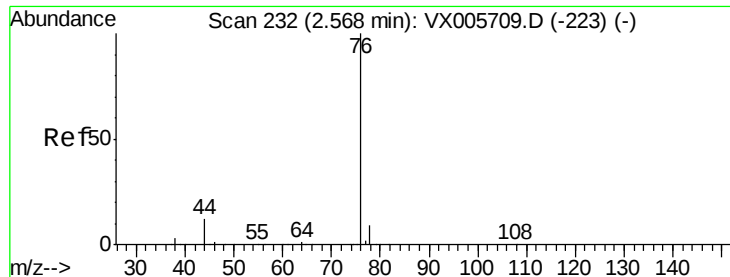
Delta R.T. -0.01 min

Lab File: VX005717.D

Acq: 31 Oct 2018 20:22

Tgt Ion:	43	Resp:	96937
Ion Ratio	Lower	Upper	
43	100		
58	33.8	23.8	35.6





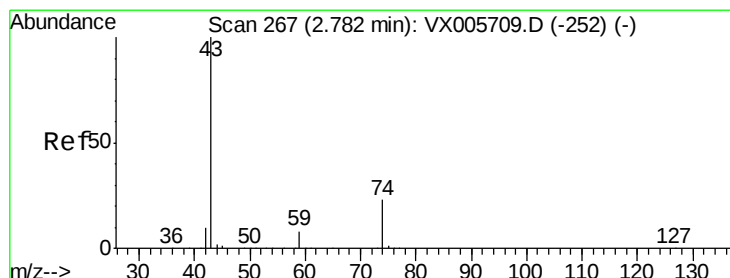
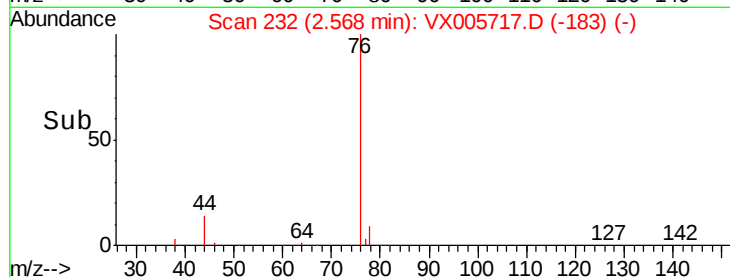
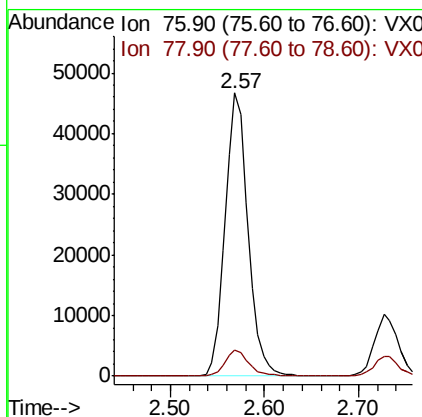
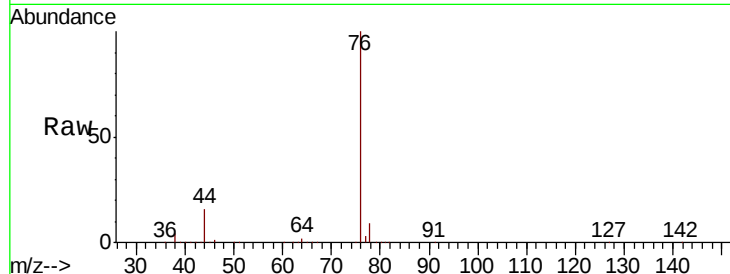
#17
Carbon Disulfide
Concen: 18.384 ug/l
RT: 2.57 min Scan# 232
Delta R.T. 0.00 min
Lab File: VX005717.D
Acq: 31 Oct 2018 20:22

Instrument :
MSVOA_X
ClientSampleId :
VX1031MBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.3	10.9

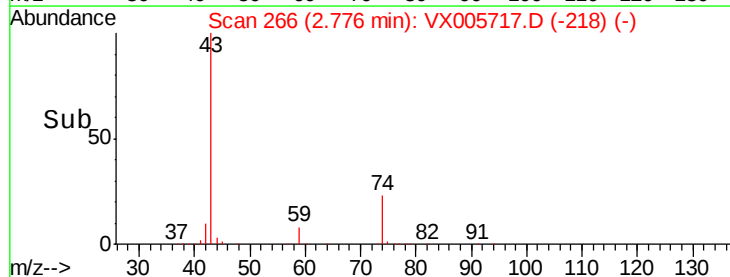
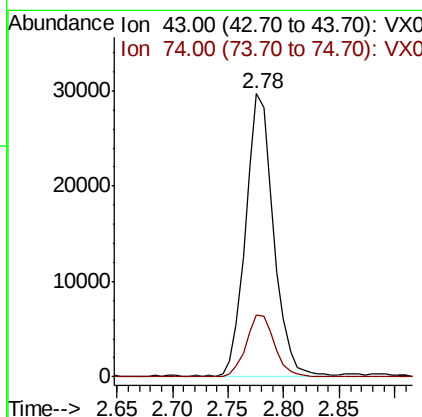
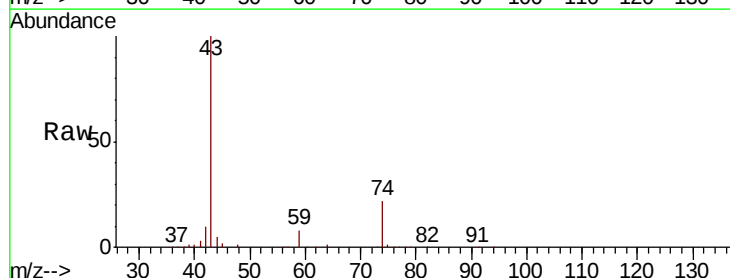
Manual Integrations
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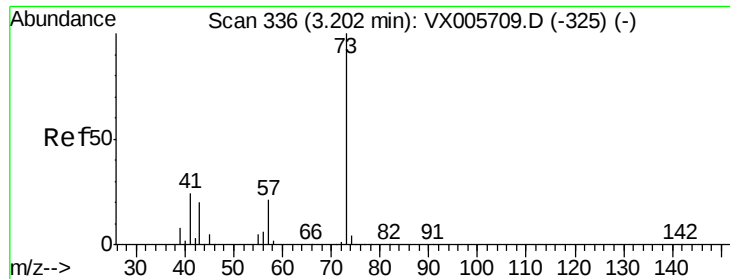
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#18
Methyl Acetate
Concen: 18.965 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.01 min
Lab File: VX005717.D
Acq: 31 Oct 2018 20:22

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.5	16.8	25.2





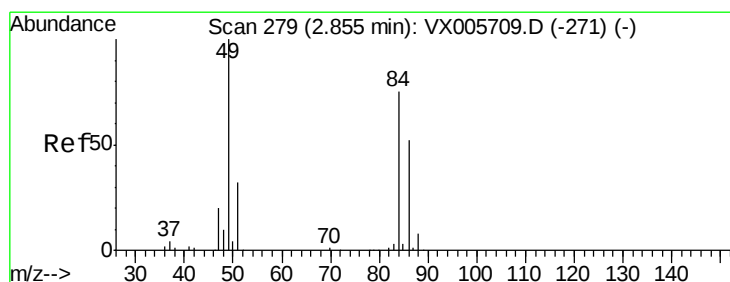
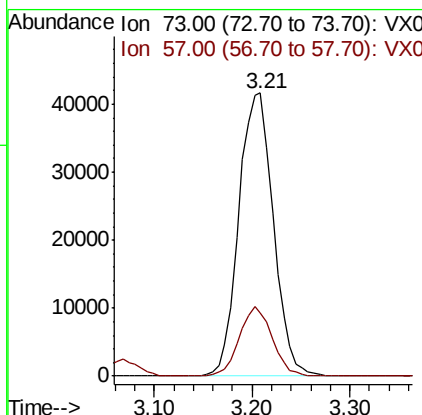
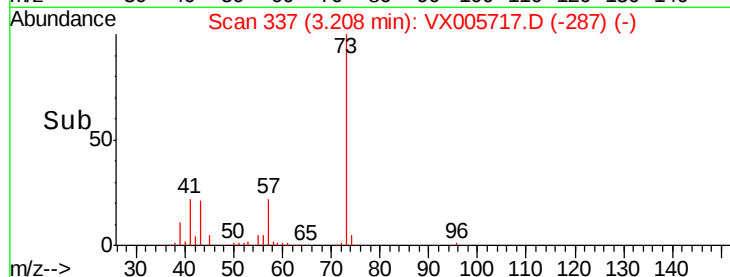
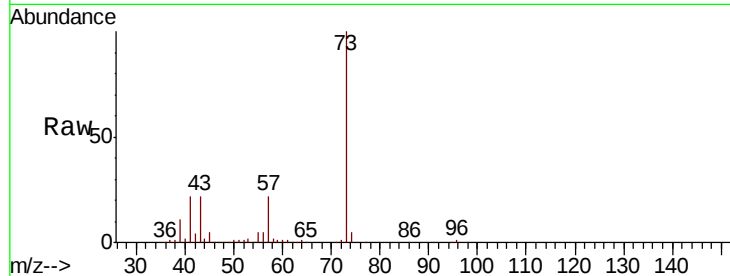
#19
Methvl tert-butvl Ether
Concen: 21.182 ug/l
RT: 3.21 min Scan# 337
Delta R.T. 0.01 min
Lab File: VX005717.D
Acq: 31 Oct 2018 20:22

Instrument :
MSVOA_X
ClientSampleId :
VX1031MBS01

Tot Ion: 73 Resp: 102536
Ion Ratio Lower Upper
73 100
57 22.2 18.8 28.2

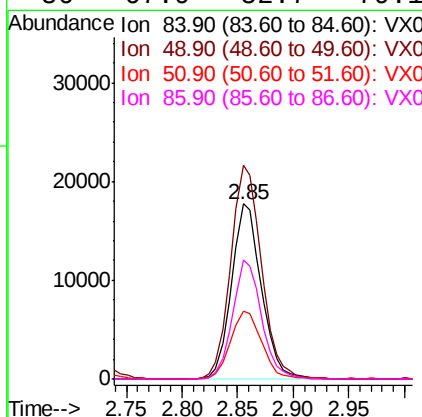
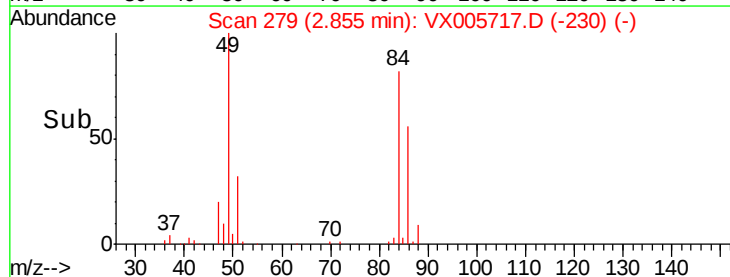
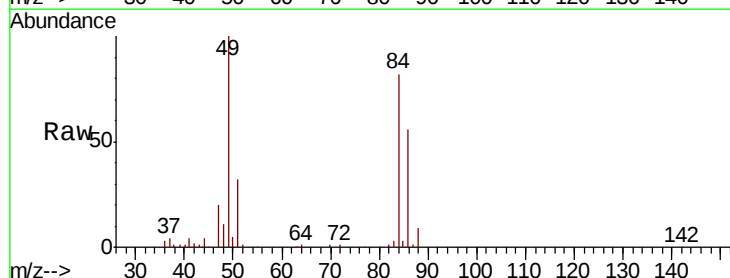
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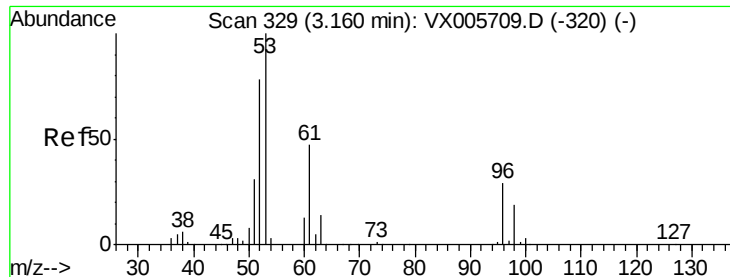
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#20
Methylene Chloride
Concen: 20.119 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX005717.D
Acq: 31 Oct 2018 20:22

Tgt Ion: 84 Resp: 32933
Ion Ratio Lower Upper
84 100
49 122.1 109.5 164.3
51 38.9 33.3 49.9
86 67.9 52.7 79.1





#21

trans-1,2-Dichloroethene

Concen: 20.344 ug/l

RT: 3.16 min Scan# 329

Delta R.T. 0.00 min

Lab File: VX005717.D

Acq: 31 Oct 2018 20:22

Instrument :

MSVOA_X

ClientSampleId :

VX1031MBS01

Tot Ion: 96 Resp: 30103

Ion Ratio Lower Upper

96 100

61 128.2 115.6 173.4

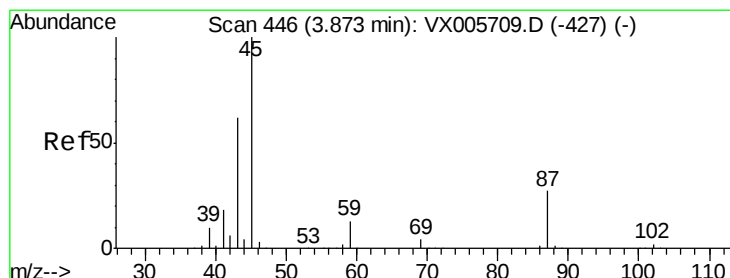
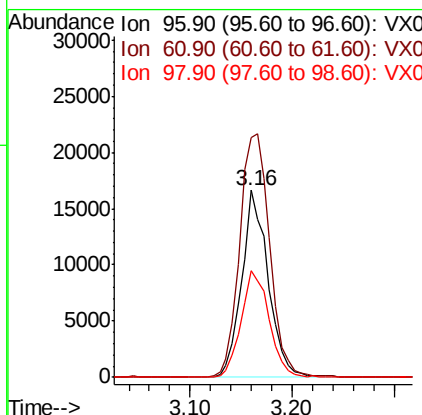
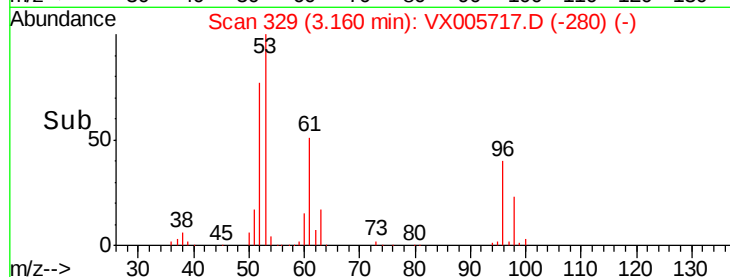
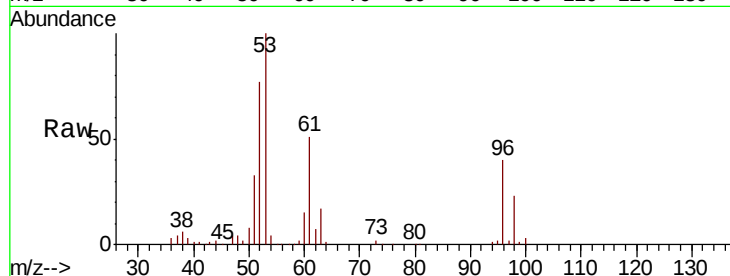
98 57.1 50.2 75.2

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#22

Diisopropyl ether

Concen: 20.259 ug/l

RT: 3.87 min Scan# 445

Delta R.T. -0.01 min

Lab File: VX005717.D

Acq: 31 Oct 2018 20:22

Tgt Ion: 45 Resp: 108671

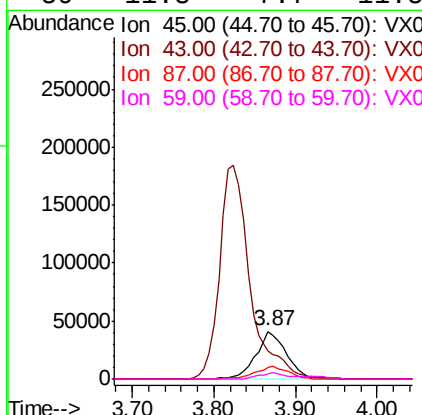
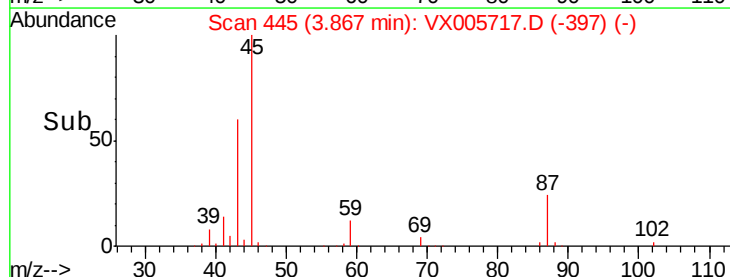
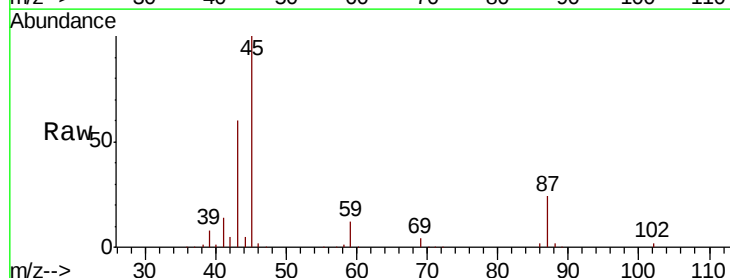
Ion Ratio Lower Upper

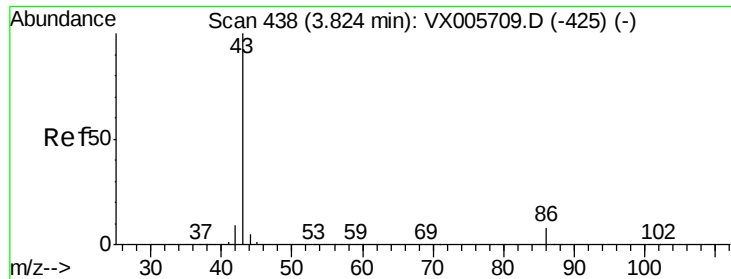
45 100

43 59.4 47.4 71.2

87 24.2 15.9 23.9#

59 11.8 7.7 11.5#





#23

Vinyl Acetate

Concen: 102.768 ug/l

RT: 3.82 min Scan# 438

Delta R.T. 0.00 min

Lab File: VX005717.D

Acq: 31 Oct 2018 20:22

Instrument :

MSVOA_X

ClientSampleId :

VX1031MBS01

Tot Ion: 43 Resp: 480144

Ion Ratio Lower Upper

43 100

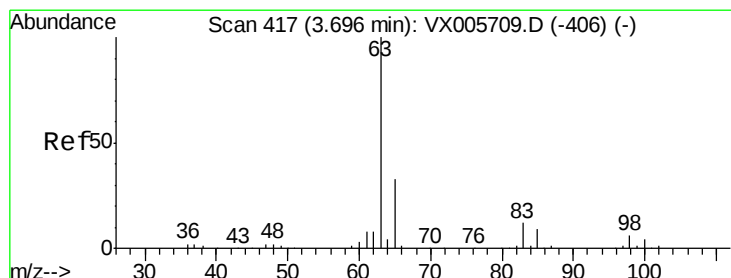
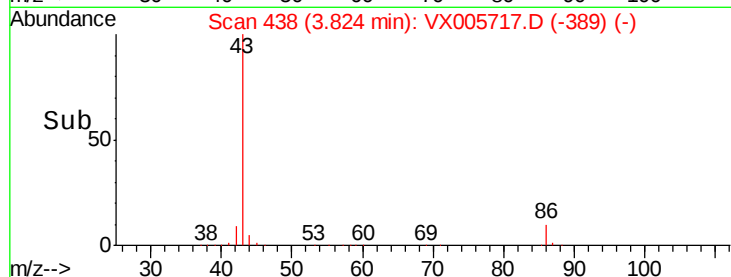
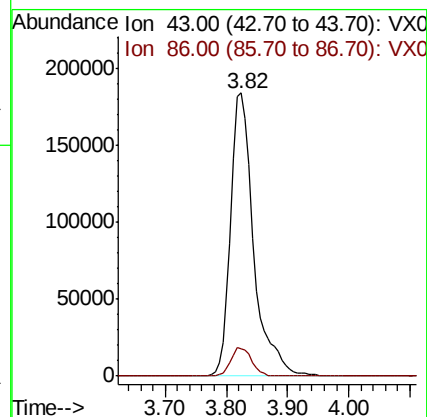
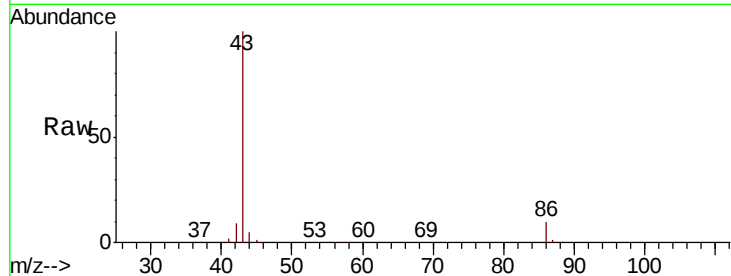
86 9.7 7.4 11.2

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 19.613 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX005717.D

Acq: 31 Oct 2018 20:22

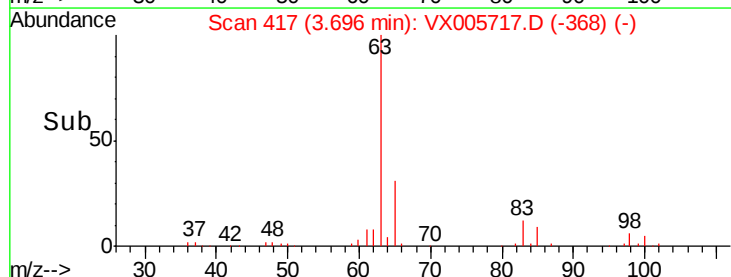
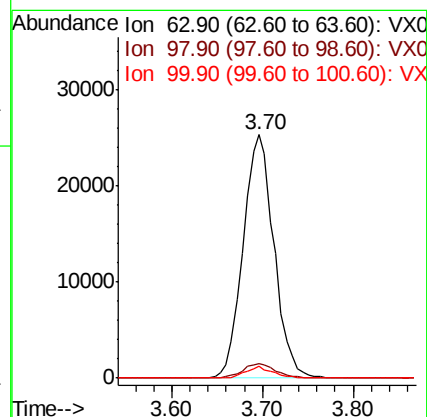
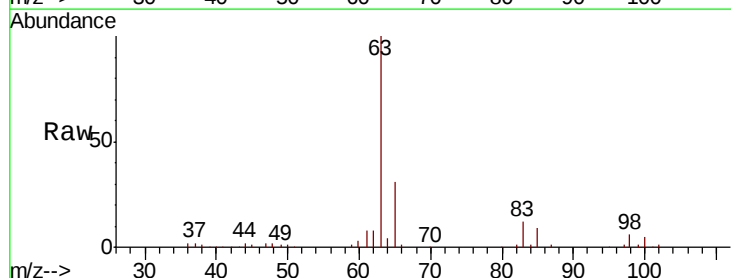
Tgt Ion: 63 Resp: 59489

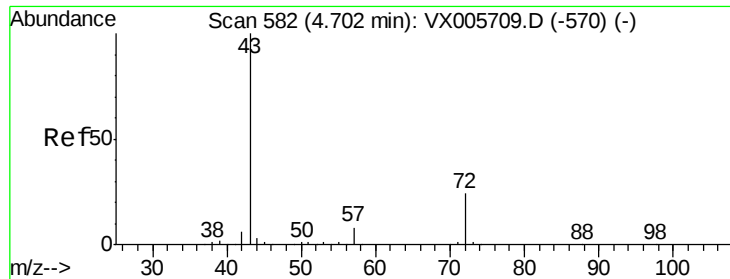
Ion Ratio Lower Upper

63 100

98 6.2 3.2 9.6

100 4.7 2.1 6.2





#25

2-Butanone

Concen: 98.257 ug/l

RT: 4.70 min Scan# 582

Delta R.T. 0.00 min

Lab File: VX005717.D

Acq: 31 Oct 2018 20:22

Instrument :

MSVOA_X

ClientSampleId :

VX1031MBS01

Tot Ion: 43 Resp: 157338

Ion Ratio Lower Upper

43 100

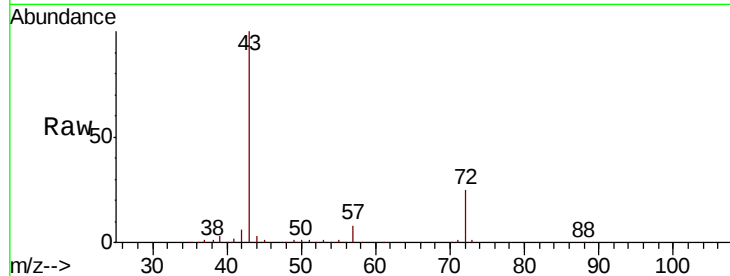
72 24.9 19.2 28.8

Manual Integrations

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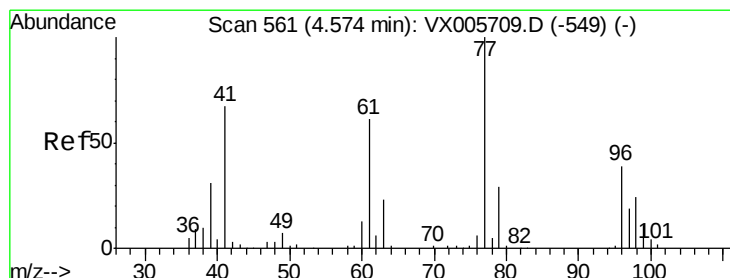
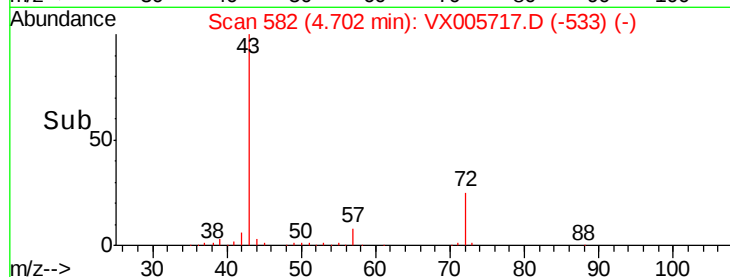
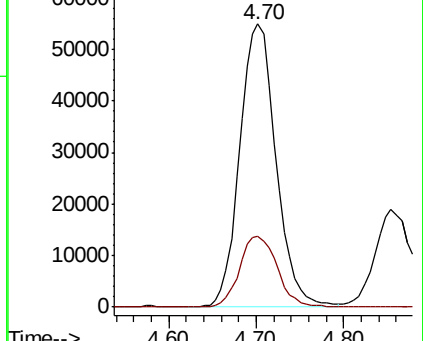
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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 18.356 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.01 min

Lab File: VX005717.D

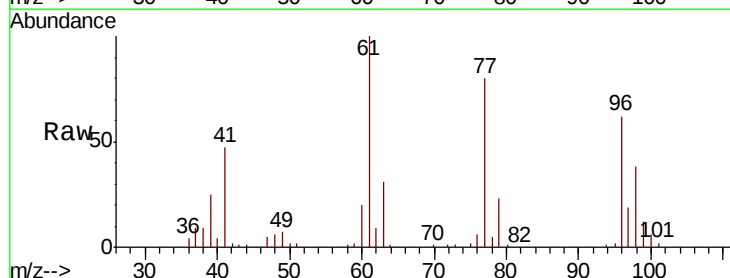
Acq: 31 Oct 2018 20:22

Tgt Ion: 77 Resp: 41620

Ion Ratio Lower Upper

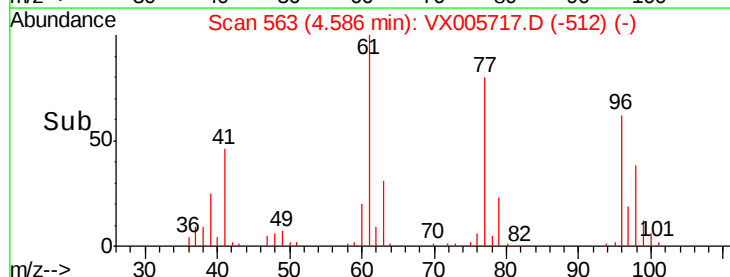
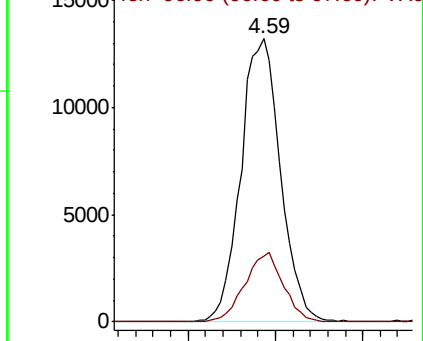
77 100

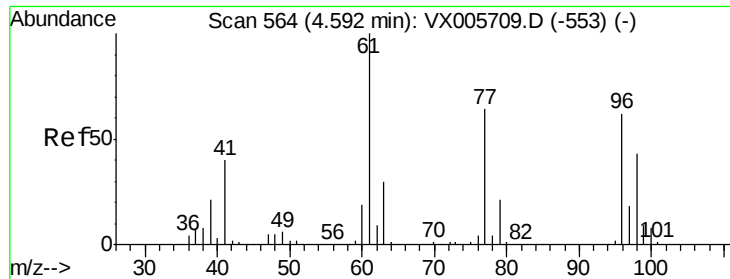
97 23.8 11.5 34.5



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

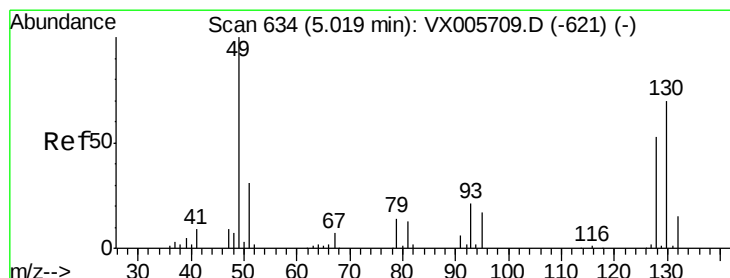
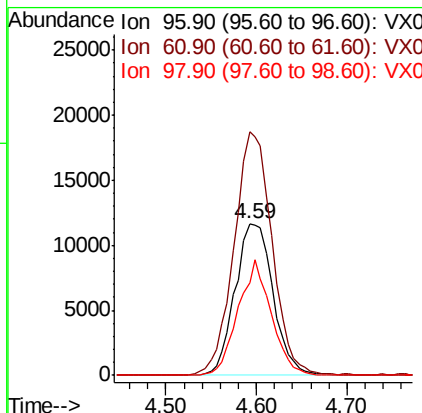
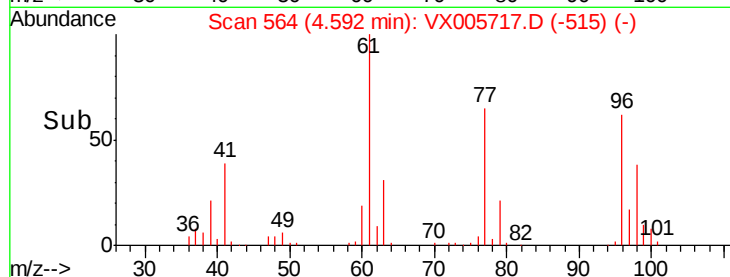
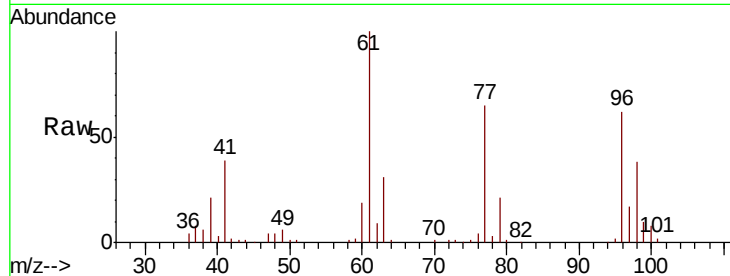
cis-1,2-Dichloroethene
Concen: 20.363 ug/l
RT: 4.59 min Scan# 564
Delta R.T. 0.00 min
Lab File: VX005717.D
Acq: 31 Oct 2018 20:22

Instrument :
MSVOA_X
ClientSampleId :
VX1031MBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	161.0	0.0	304.6
98	66.4	0.0	127.4

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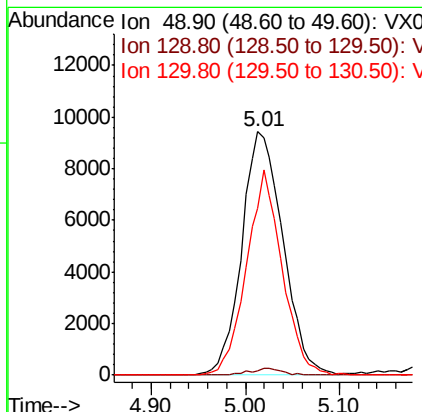
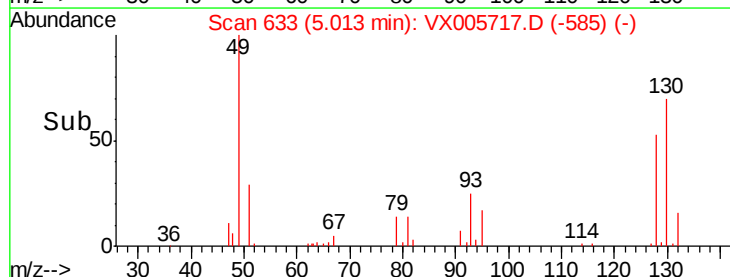
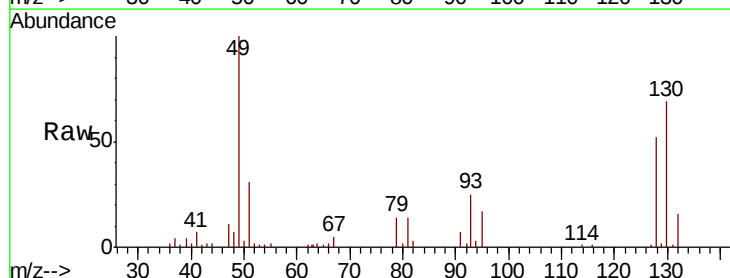
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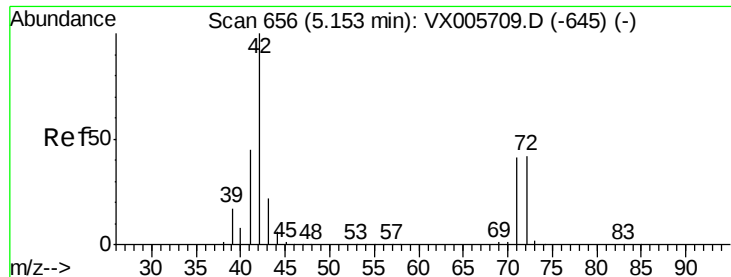


#28

Bromochloromethane
Concen: 19.505 ug/l
RT: 5.01 min Scan# 633
Delta R.T. -0.01 min
Lab File: VX005717.D
Acq: 31 Oct 2018 20:22

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.0
130	72.6	58.9	88.3





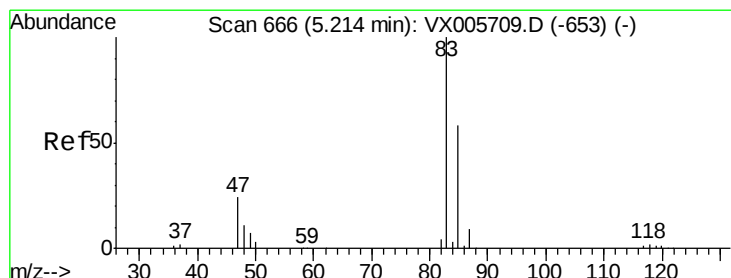
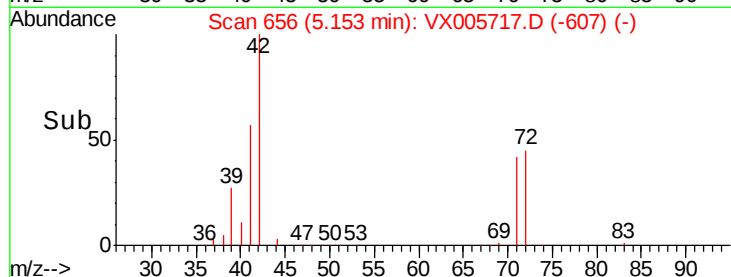
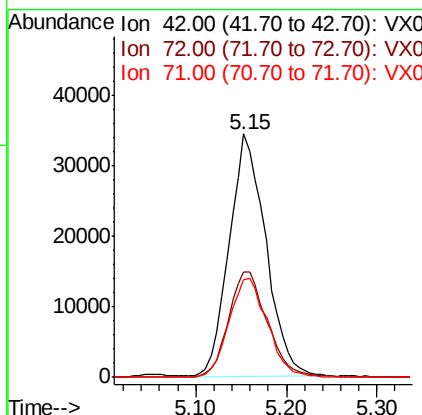
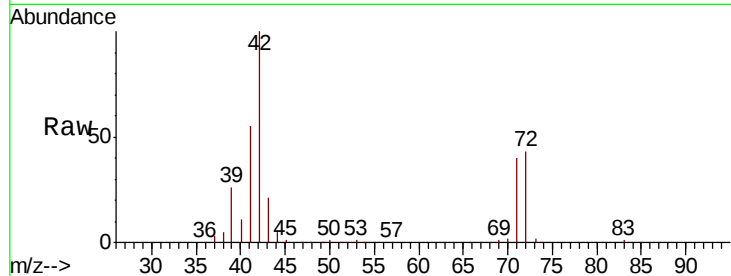
#29
Tetrahydrofuran
Concen: 99.179 ug/l
RT: 5.15 min Scan# 656
Delta R.T. 0.00 min
Lab File: VX005717.D
Acq: 31 Oct 2018 20:22

Instrument :
MSVOA_X
ClientSampleId :
VX1031MBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.9	32.0	48.0
71	42.9	29.8	44.8

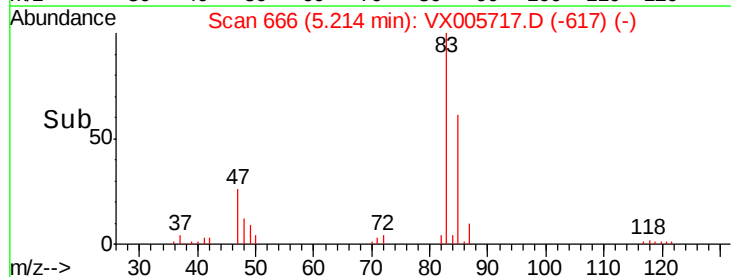
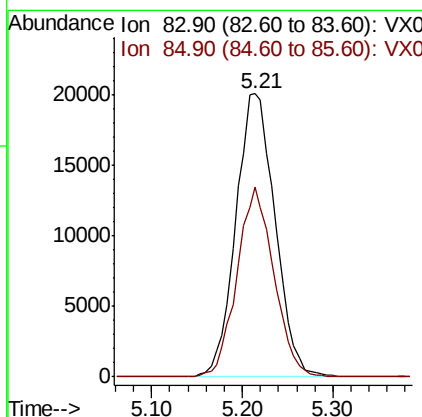
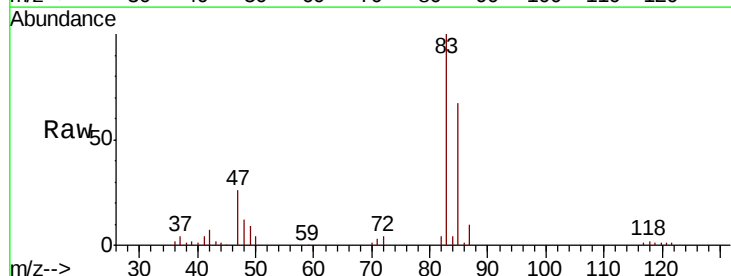
Manual Integrations
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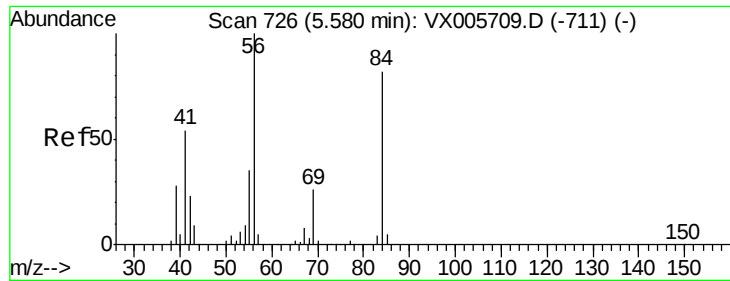
MMDadoda
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#30
Chloroform
Concen: 20.309 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.00 min
Lab File: VX005717.D
Acq: 31 Oct 2018 20:22

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.3	50.6	76.0





#31

Cyclohexane

Concen: 20.762 ug/l

RT: 5.58 min Scan# 726

Delta R.T. 0.00 min

Lab File: VX005717.D

Acq: 31 Oct 2018 20:22

Instrument :

MSVOA_X

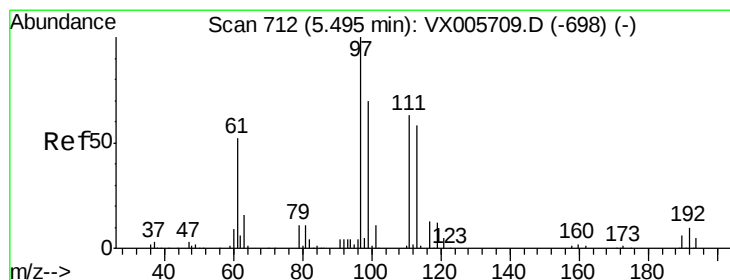
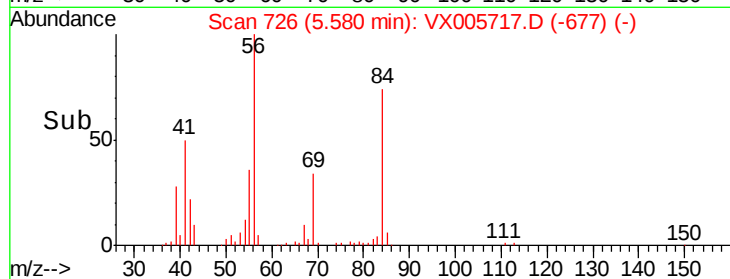
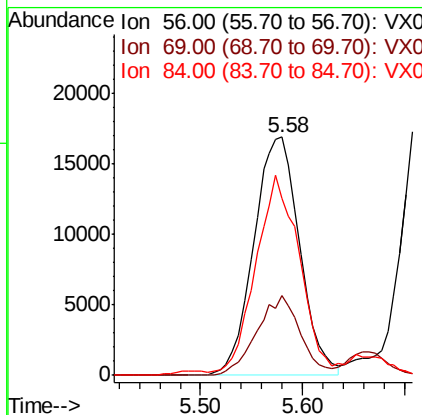
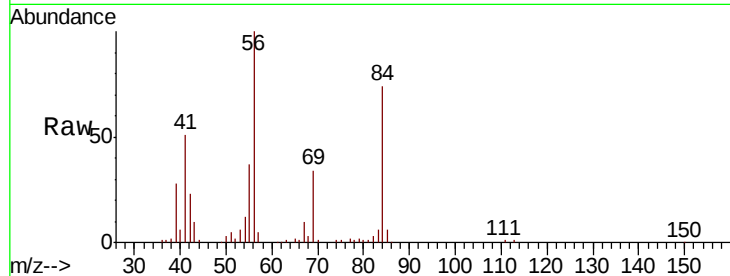
ClientSampleId :

VX1031MBS01

Tot Ion:	56	Resp:	52661
Ion Ratio	Lower	Upper	
56	100		
69	33.6	22.6	34.0
84	72.5	62.7	94.1

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 20.563 ug/l

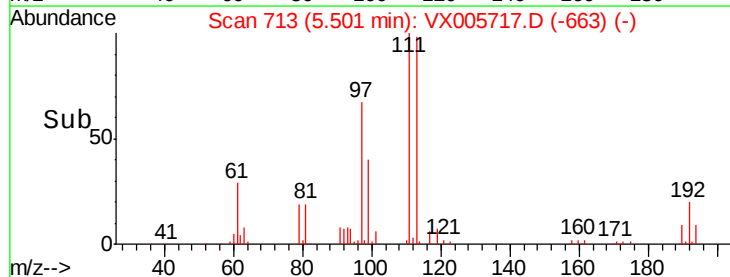
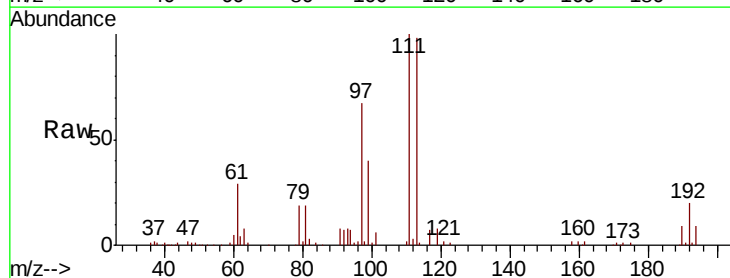
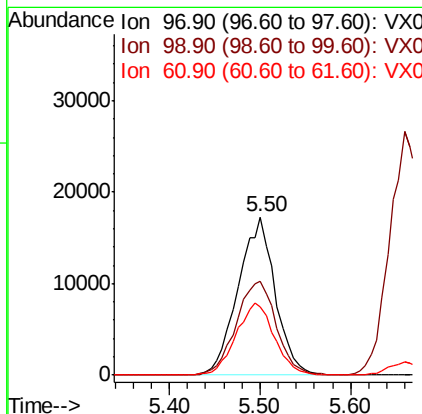
RT: 5.50 min Scan# 713

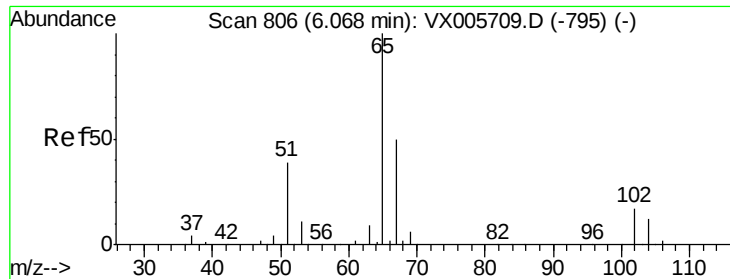
Delta R.T. 0.01 min

Lab File: VX005717.D

Acq: 31 Oct 2018 20:22

Tgt Ion:	97	Resp:	48803
Ion Ratio	Lower	Upper	
97	100		
99	64.1	52.3	78.5
61	47.4	35.2	52.8





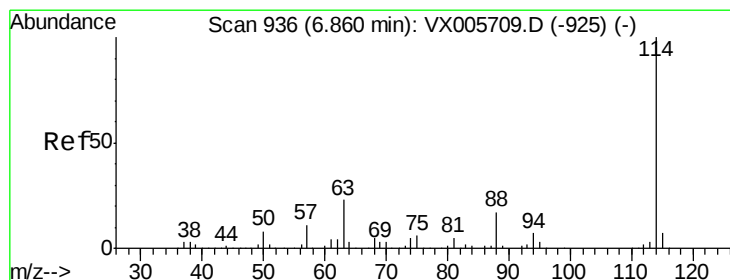
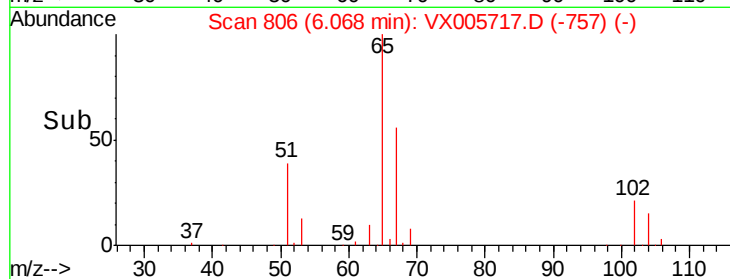
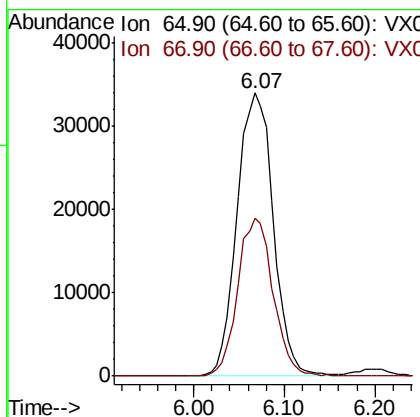
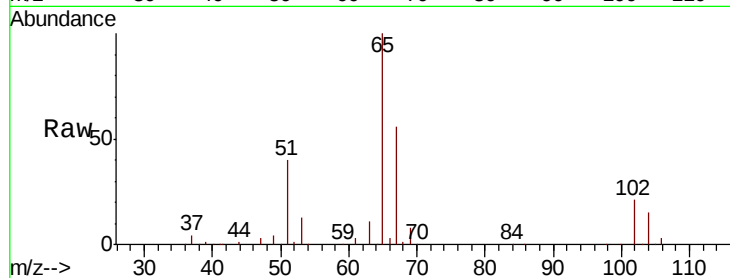
#33
 1,2-Dichloroethane-d4
 Concen: 49.555 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.00 min
 Lab File: VX005717.D
 Acq: 31 Oct 2018 20:22

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1031MBS01

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.3	0.0	105.0

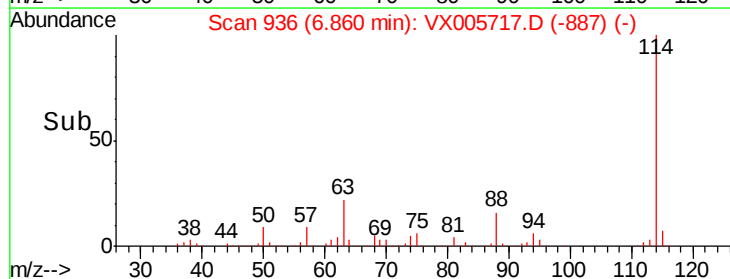
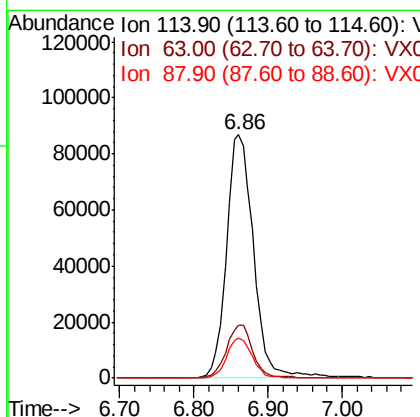
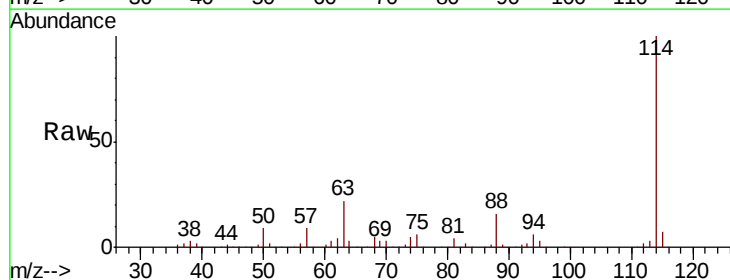
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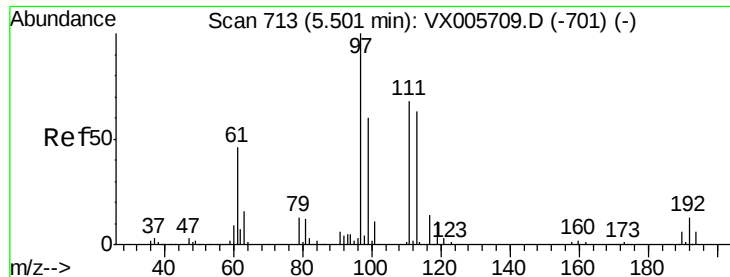
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX005717.D
 Acq: 31 Oct 2018 20:22

Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.7	0.0	42.8
88	16.4	0.0	31.2





#35

Dibromofluoromethane

Concen: 48.017 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX005717.D

Acq: 31 Oct 2018 20:22

Instrument :

MSVOA_X

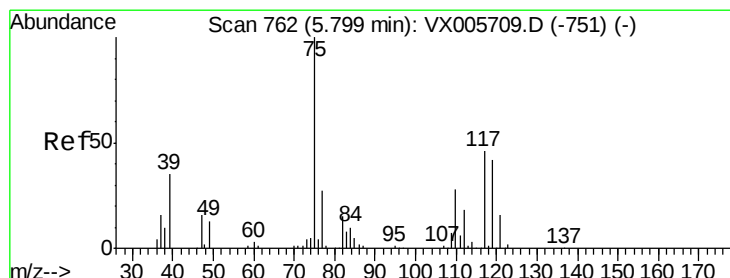
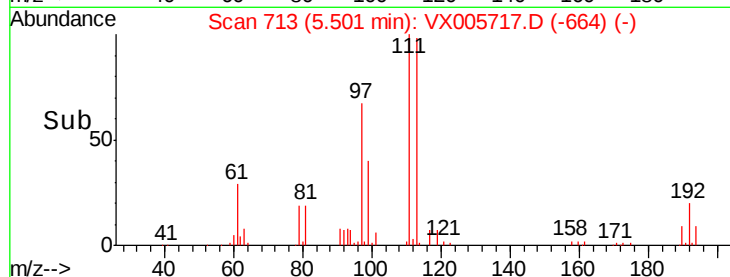
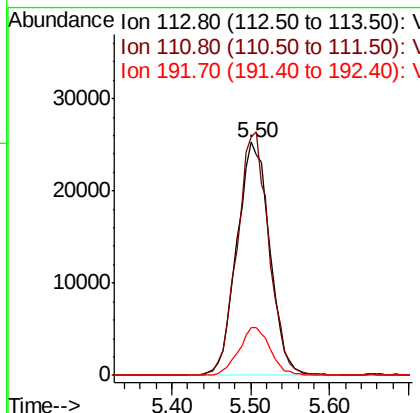
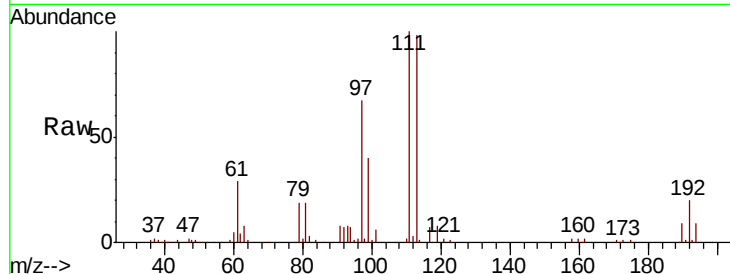
ClientSampleId :

VX1031MBS01

Tot Ion:	113	Resp:	73139
Ion	Ratio	Lower	Upper
113	100		
111	101.0	82.3	123.5
192	19.6	17.9	26.9

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#36

1,1-Dichloropropene

Concen: 19.086 ug/l

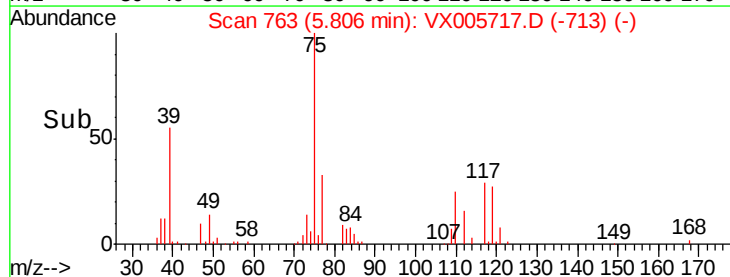
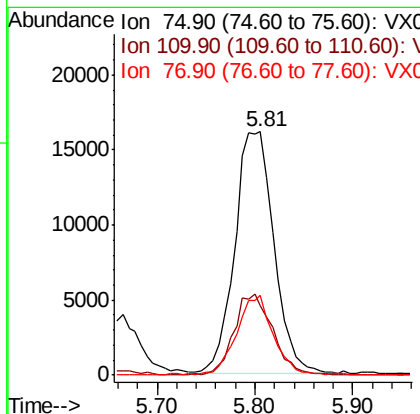
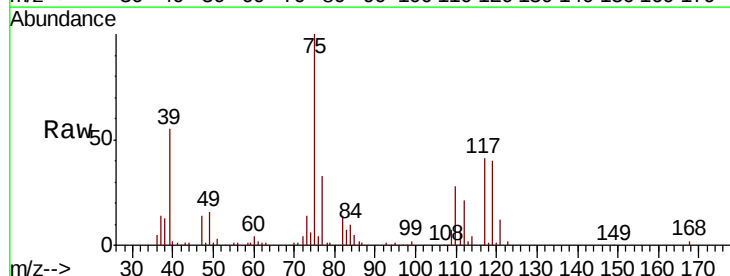
RT: 5.81 min Scan# 763

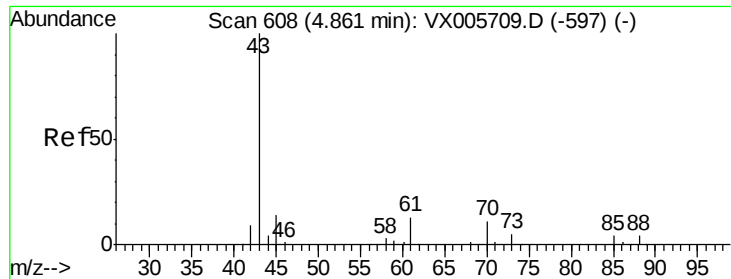
Delta R.T. 0.01 min

Lab File: VX005717.D

Acq: 31 Oct 2018 20:22

Tgt Ion:	75	Resp:	44734
Ion	Ratio	Lower	Upper
75	100		
110	33.3	17.4	52.2
77	29.6	25.8	38.6





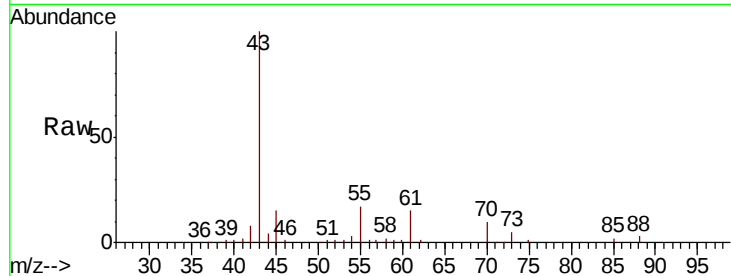
#37
Ethyl Acetate
Concen: 18.705 ug/l
RT: 4.85 min Scan# 607
Delta R.T. -0.01 min
Lab File: VX005717.D
Acq: 31 Oct 2018 20:22

Instrument :
MSVOA_X
ClientSampleId :
VX1031MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.6	10.8	16.2
70	10.6	7.8	11.8

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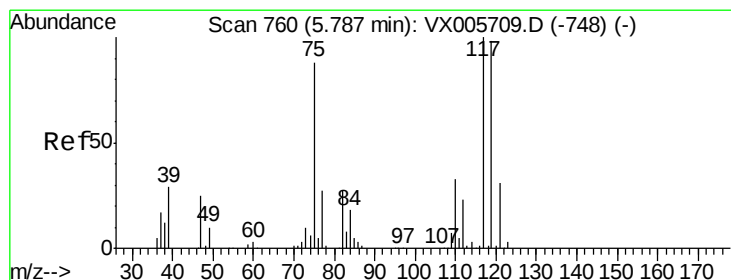
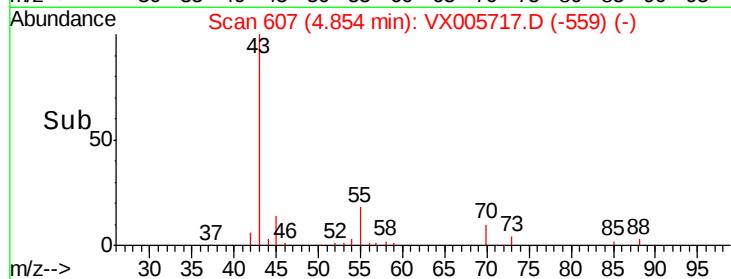
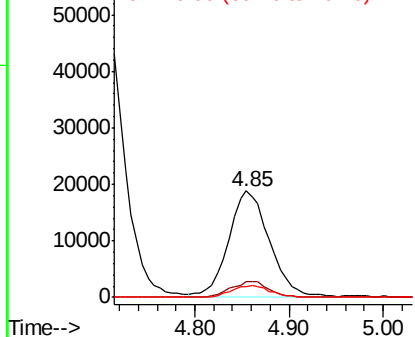


Abundance

Ion 43.00 (42.70 to 43.70): VX005717.D (-559) (-)

Ion 60.90 (60.60 to 61.60): VX005717.D (-559) (-)

Ion 70.00 (69.70 to 70.70): VX005717.D (-559) (-)



#38
Carbon Tetrachloride
Concen: 19.175 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.01 min
Lab File: VX005717.D
Acq: 31 Oct 2018 20:22

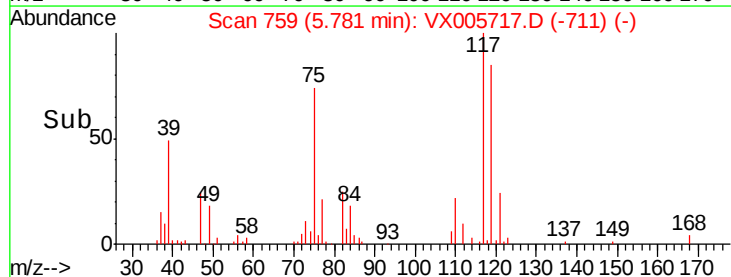
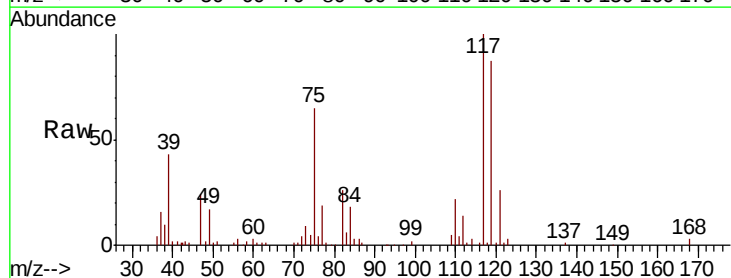
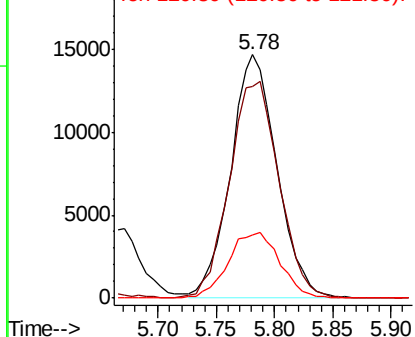
Tgt Ion	Ratio	Lower	Upper
117	100		
119	86.7	78.1	117.1
121	25.9	24.6	36.8

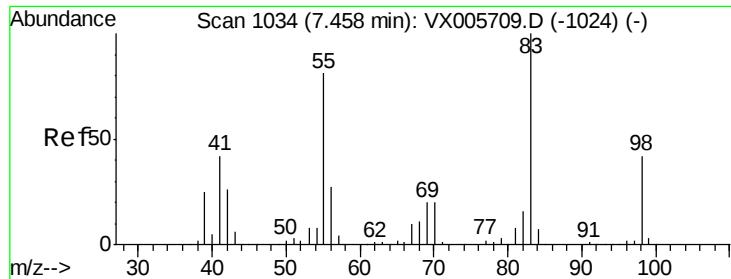
Abundance

Ion 116.80 (116.50 to 117.50): VX005717.D (-711) (-)

Ion 118.80 (118.50 to 119.50): VX005717.D (-711) (-)

Ion 120.80 (120.50 to 121.50): VX005717.D (-711) (-)





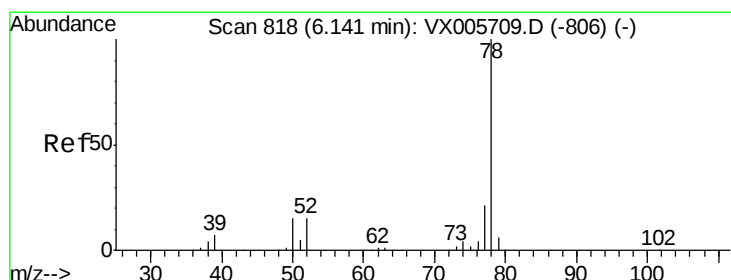
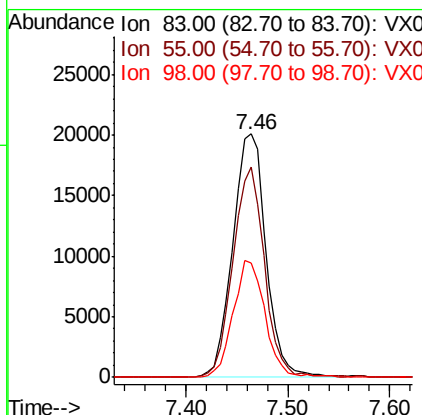
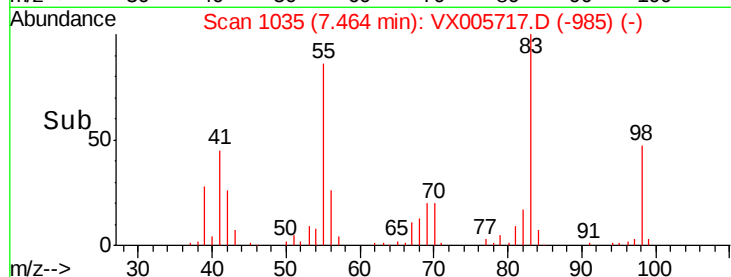
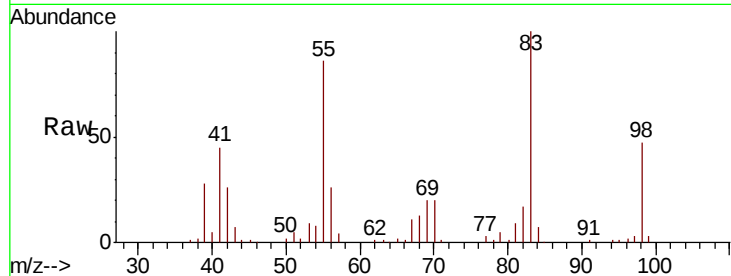
#39
Methylvlcyclohexane
Concen: 18.569 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.01 min
Lab File: VX005717.D
Acq: 31 Oct 2018 20:22

Instrument :
MSVOA_X
ClientSampleId :
VX1031MBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	86.3	63.7	95.5
98	47.1	36.2	54.2

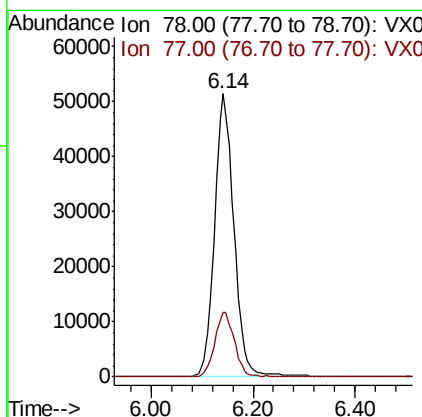
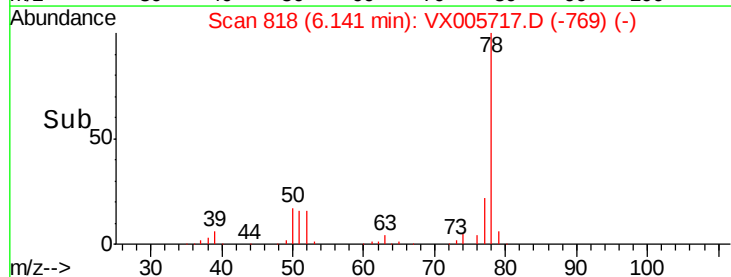
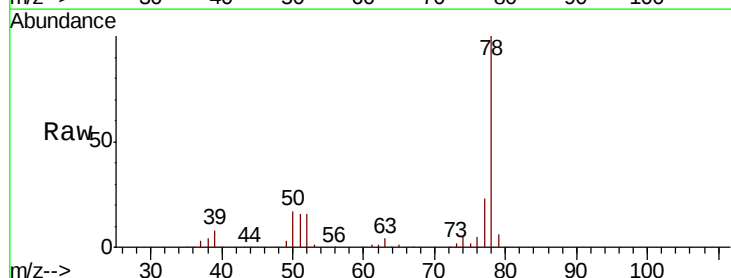
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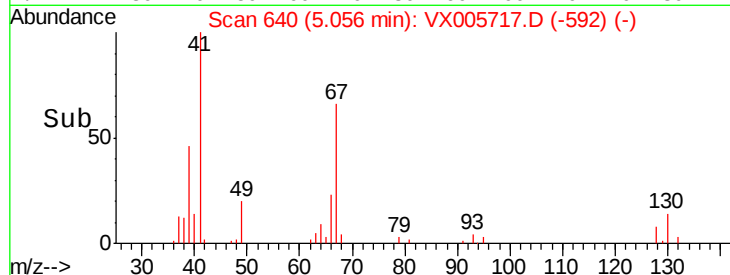
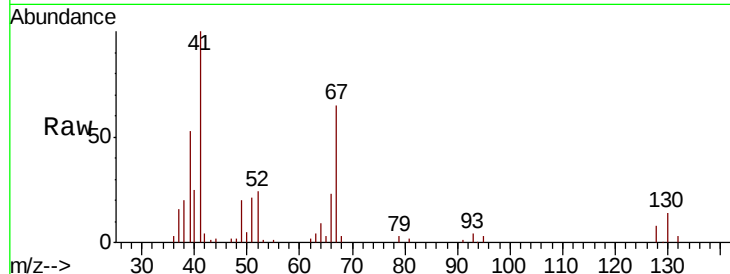
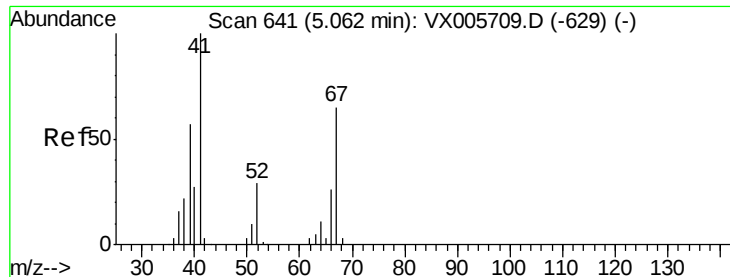
MMDadoda
11/1/2018 9:49:38 AM



#40
Benzene
Concen: 19.613 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX005717.D
Acq: 31 Oct 2018 20:22

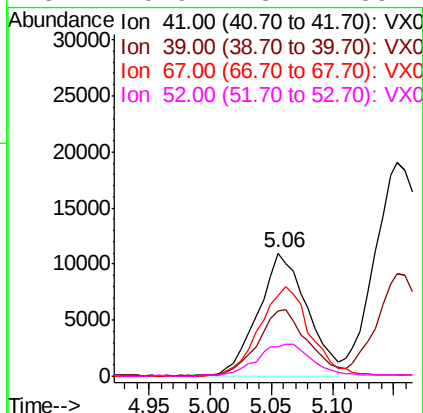
Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.7	18.4	27.6





#41
Methacrylonitrile
Concen: 19.092 ug/l
RT: 5.06 min Scan# 640
Delta R.T. -0.01 min
Lab File: VX005717.D
Acq: 31 Oct 2018 20:22

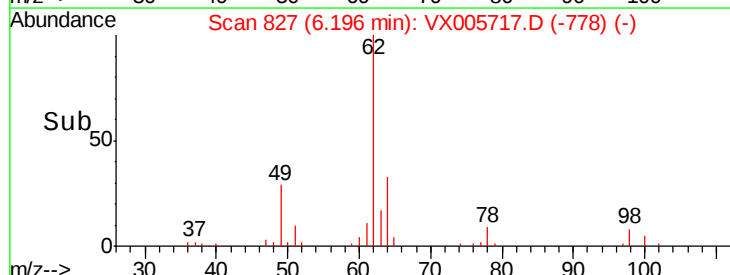
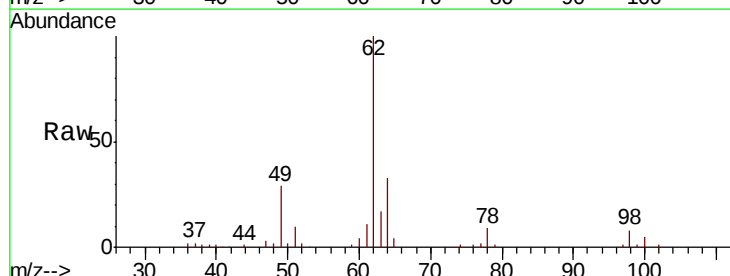
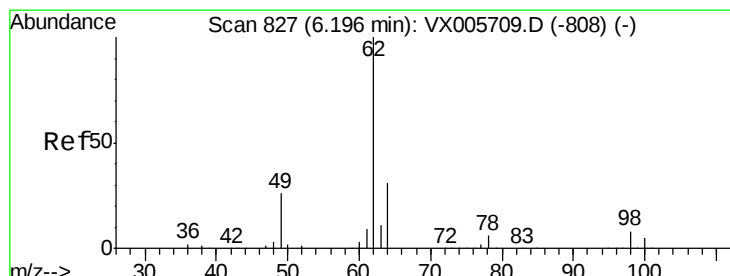
Tot Ion	Ratio	Lower	Upper
41	100		
39	54.9	42.2	63.2
67	74.7	53.4	80.0
52	29.9	23.4	35.2



Instrument :
MSVOA_X
ClientSampleId :
VX1031MBS01

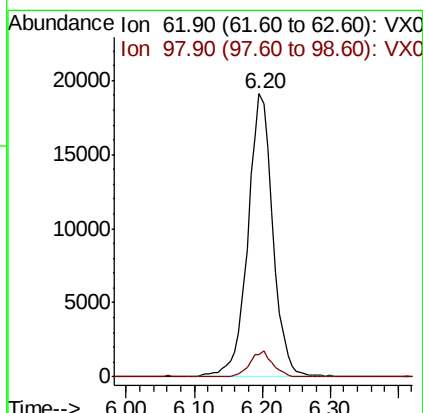
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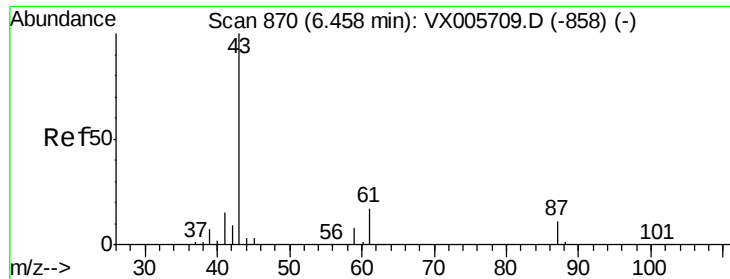
MMDadoda
11/1/2018 9:49:38 AM



#42
1,2-Dichloroethane
Concen: 18.986 ug/l
RT: 6.20 min Scan# 827
Delta R.T. 0.00 min
Lab File: VX005717.D
Acq: 31 Oct 2018 20:22

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.3	0.0	17.8





#43

Isopropyl Acetate

Concen: 19.240 ug/l

RT: 6.46 min Scan# 871

Delta R.T. 0.01 min

Lab File: VX005717.D

Acq: 31 Oct 2018 20:22

Instrument :

MSVOA_X

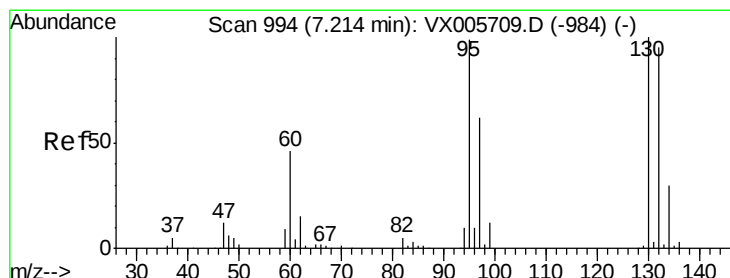
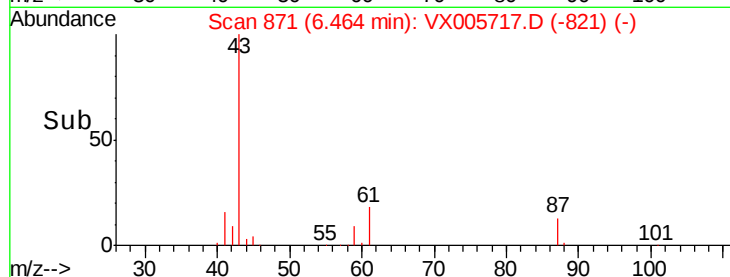
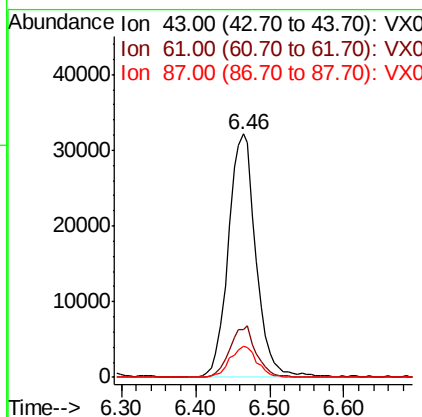
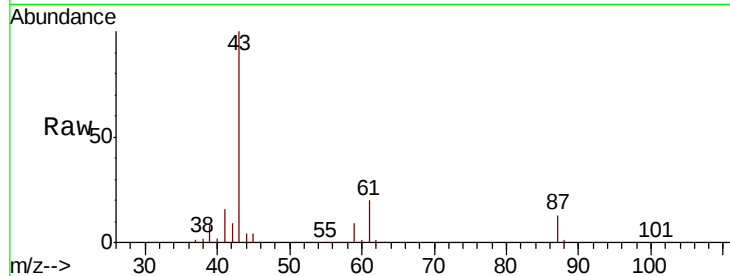
ClientSampleId :

VX1031MBS01

Tot Ion:	43	Resp:	83499
Ion	Ratio	Lower	Upper
43	100		
61	20.1	14.6	22.0
87	12.4	9.6	14.4

Manual Integrations
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#44

Trichloroethene

Concen: 18.720 ug/l

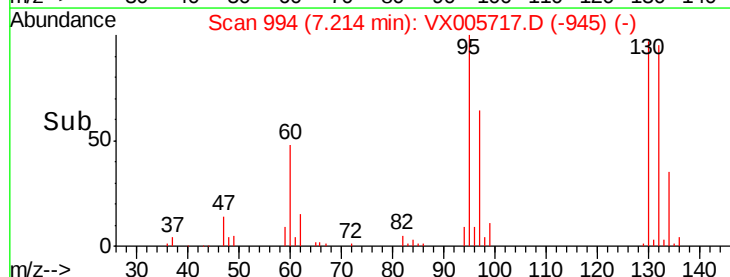
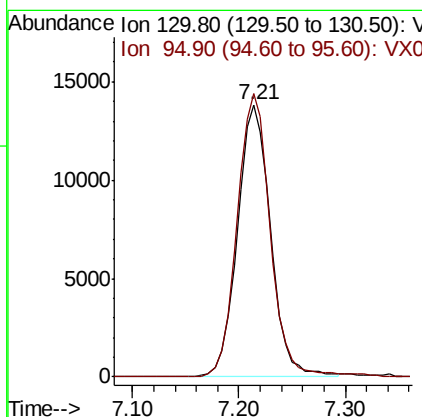
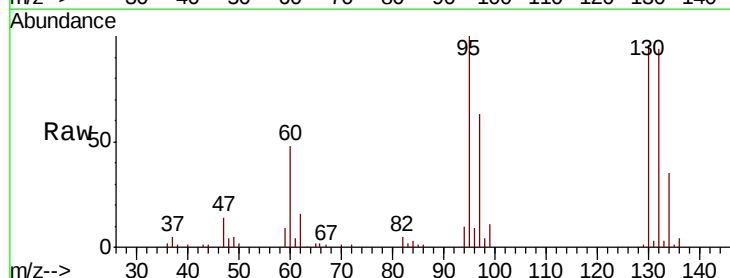
RT: 7.21 min Scan# 994

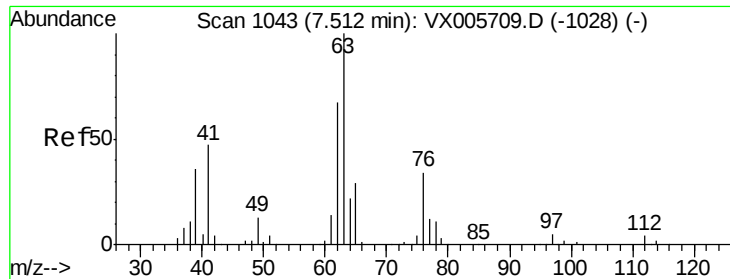
Delta R.T. 0.00 min

Lab File: VX005717.D

Acq: 31 Oct 2018 20:22

Tgt Ion:	130	Resp:	30189
Ion	Ratio	Lower	Upper
130	100		
95	103.9	0.0	194.2





#45

1,2-Dichloropropane

Concen: 19.074 ug/l

RT: 7.52 min Scan# 1044

Delta R.T. 0.01 min

Lab File: VX005717.D

Acq: 31 Oct 2018 20:22

Instrument :

MSVOA_X

ClientSampleId :

VX1031MBS01

Tot Ion: 63 Resp: 34083

Ion Ratio Lower Upper

63 100

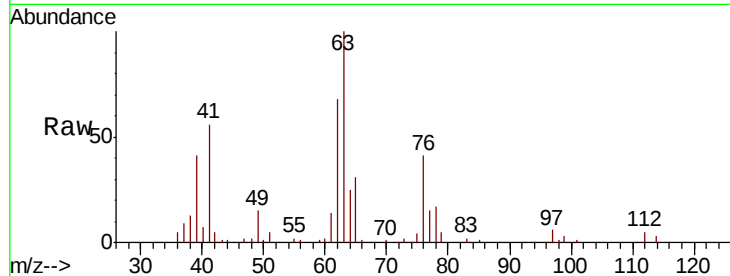
65 31.0 24.8 37.2

Manual Integrations

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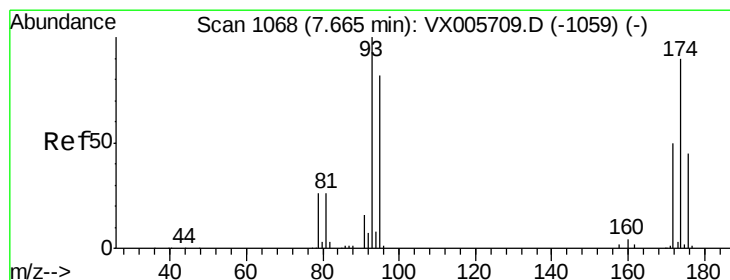
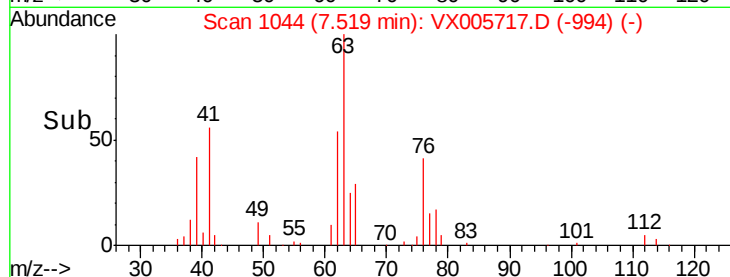
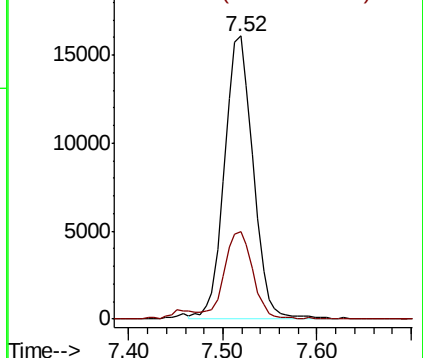
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Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 18.442 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. -0.01 min

Lab File: VX005717.D

Acq: 31 Oct 2018 20:22

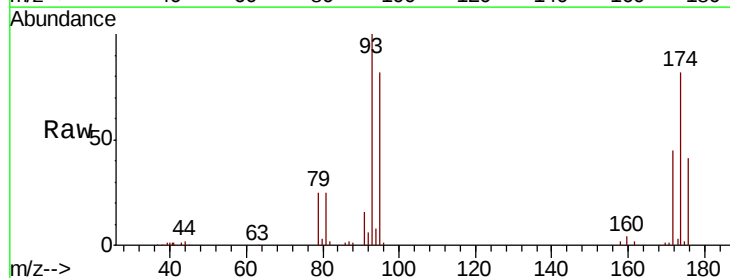
Tgt Ion: 93 Resp: 21060

Ion Ratio Lower Upper

93 100

95 83.7 67.4 101.0

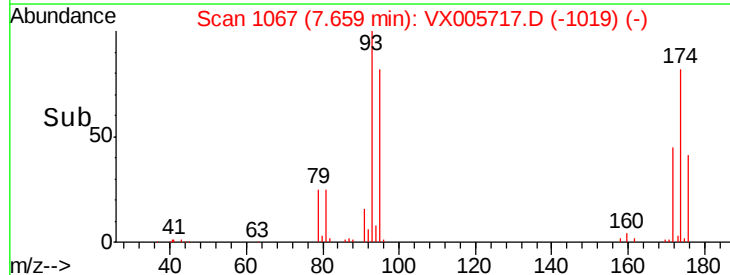
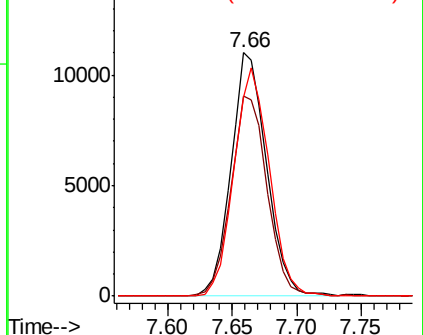
174 93.5 91.5 137.3

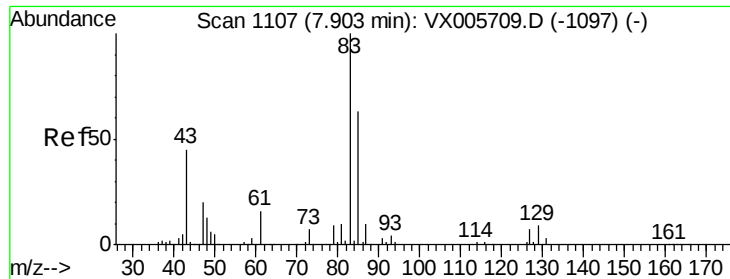


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 18.358 ug/l

RT: 7.90 min Scan# 1107

Delta R.T. 0.00 min

Lab File: VX005717.D

Acq: 31 Oct 2018 20:22

Instrument :

MSVOA_X

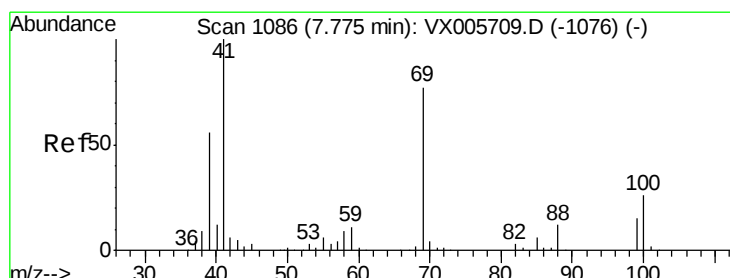
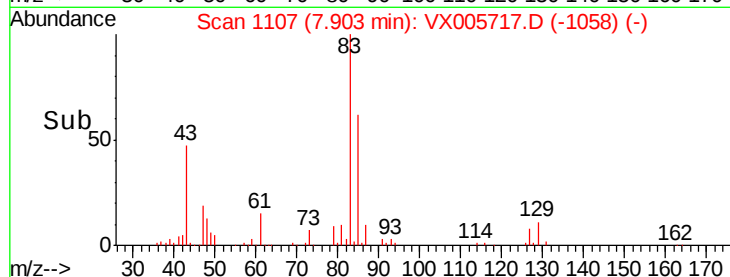
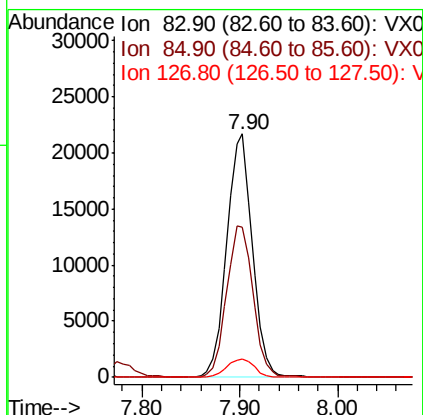
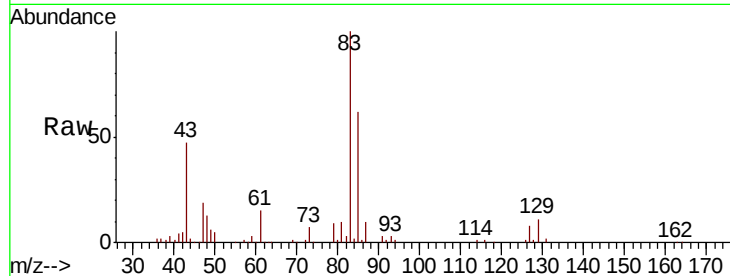
ClientSampleId :

VX1031MBS01

Tot Ion:	83	Resp:	39322
Ion	Ratio	Lower	Upper
83	100		
85	61.8	50.2	75.4
127	7.7	6.9	10.3

Manual Integrations
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#48

Methyl methacrylate

Concen: 18.862 ug/l

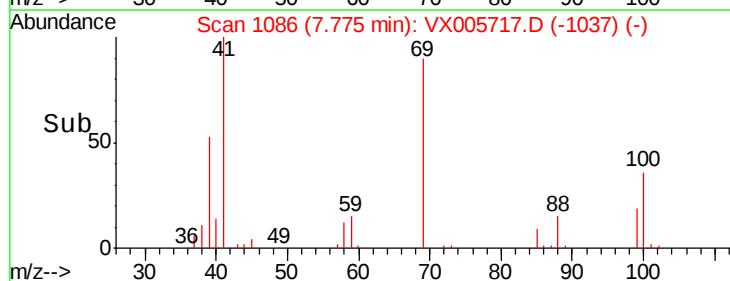
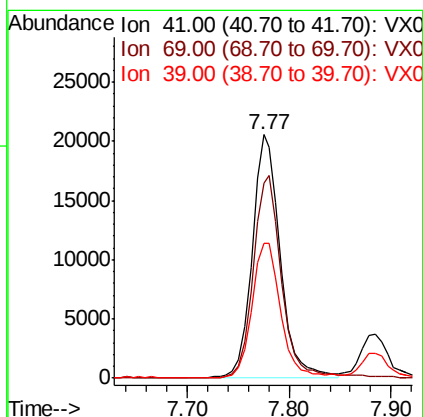
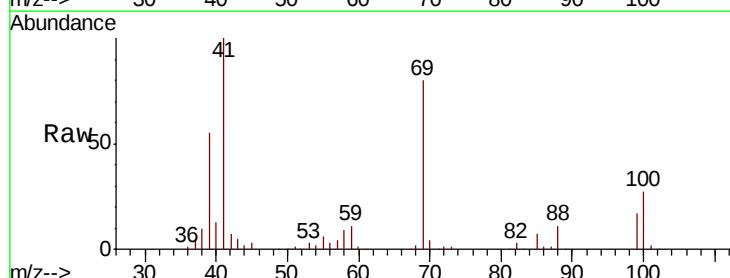
RT: 7.77 min Scan# 1086

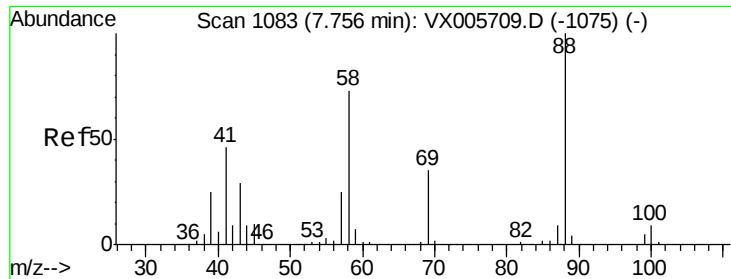
Delta R.T. 0.00 min

Lab File: VX005717.D

Acq: 31 Oct 2018 20:22

Tgt Ion:	41	Resp:	39619
Ion	Ratio	Lower	Upper
41	100		
69	84.6	63.2	94.8
39	57.3	42.2	63.2





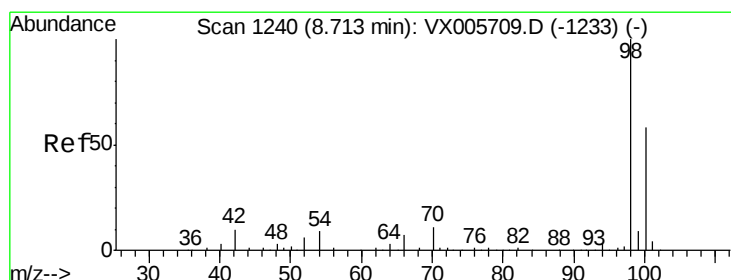
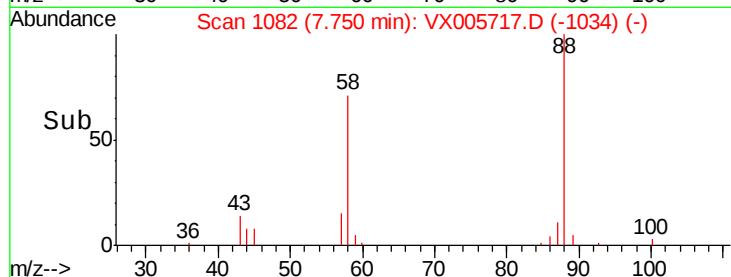
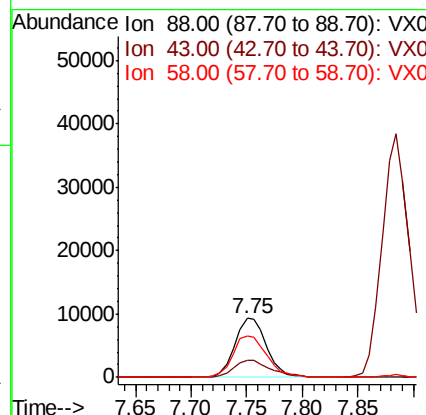
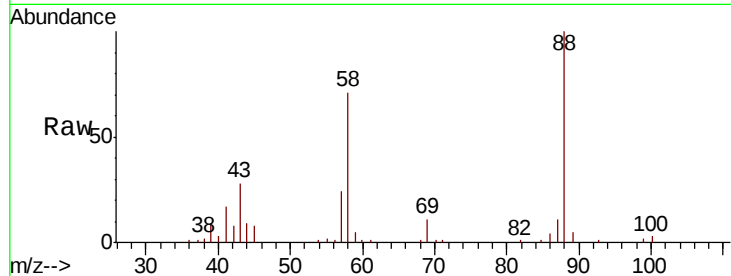
#49
1,4-Dioxane
Concen: 390.328 ug/l
RT: 7.75 min Scan# 1082
Delta R.T. -0.01 min
Lab File: VX005717.D
Acq: 31 Oct 2018 20:22

Instrument :
MSVOA_X
ClientSampleId :
VX1031MBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	34.9	27.4	41.0
58	76.8	59.4	89.2

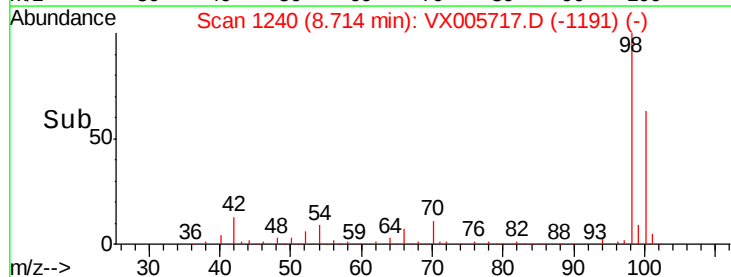
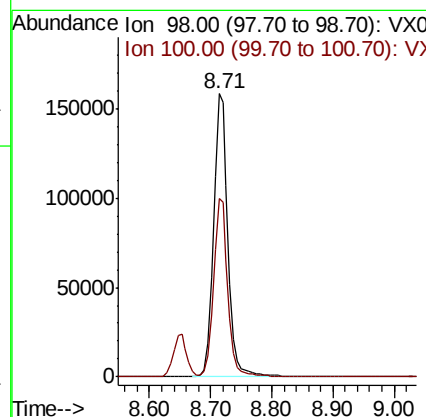
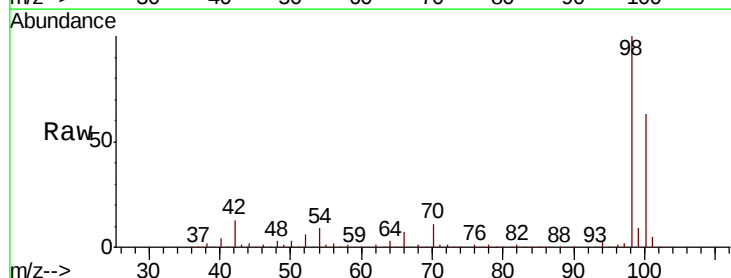
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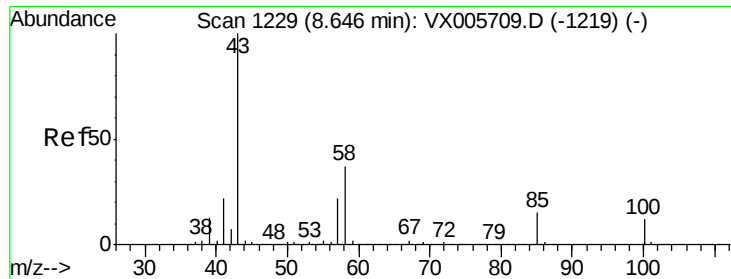
MMDadoda
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#50
Toluene-d8
Concen: 48.914 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX005717.D
Acq: 31 Oct 2018 20:22

Tgt Ion	Ratio	Lower	Upper
98	100		
100	62.8	51.3	76.9





#51

4-Methyl-2-Pentanone

Concen: 94.193 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. 0.00 min

Lab File: VX005717.D

Acq: 31 Oct 2018 20:22

Instrument :

MSVOA_X

ClientSampleId :

VX1031MBS01

Tot Ion: 43 Resp: 278739

Ion Ratio Lower Upper

43 100

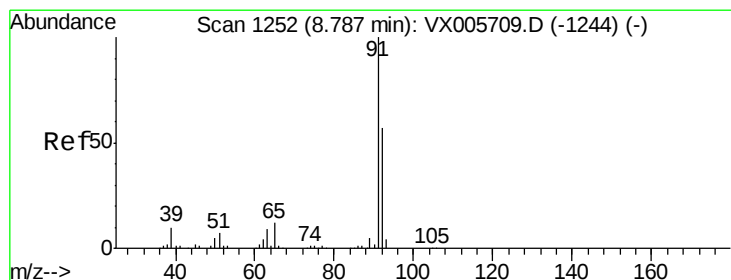
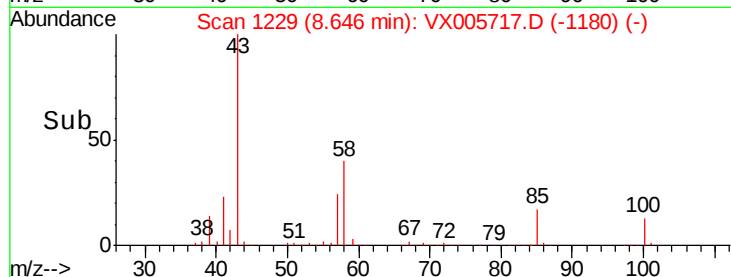
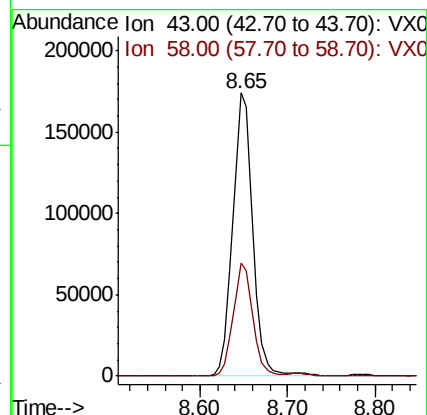
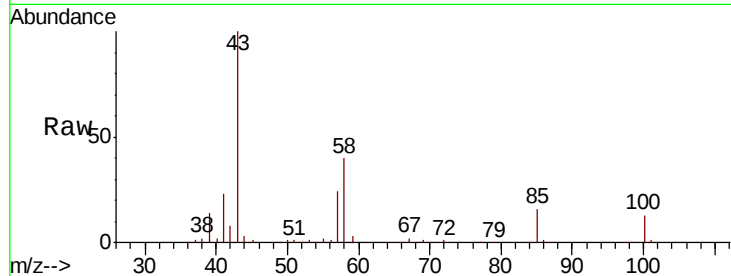
58 38.7 29.7 44.5

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#52

Toluene

Concen: 19.630 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VX005717.D

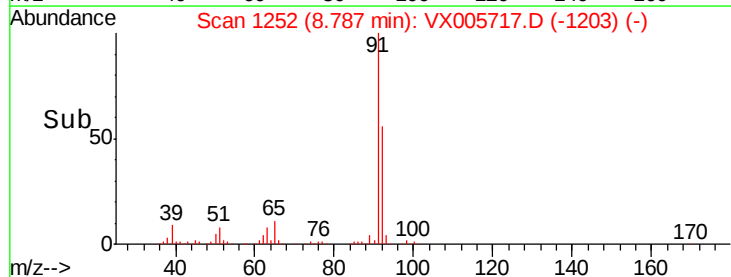
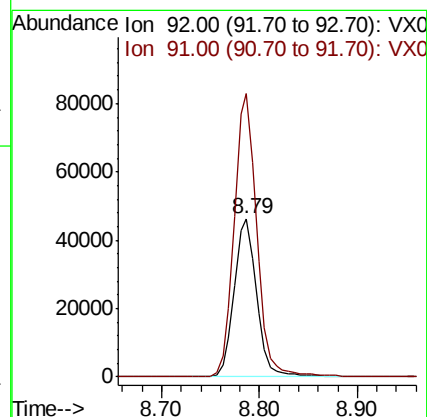
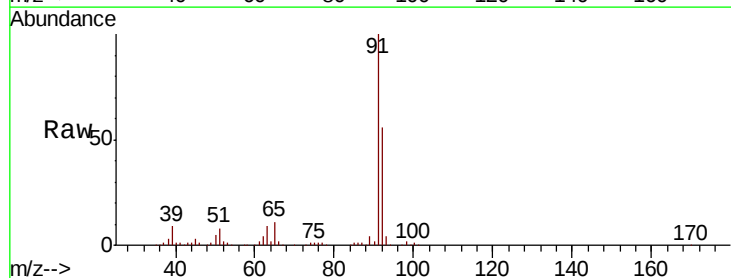
Acq: 31 Oct 2018 20:22

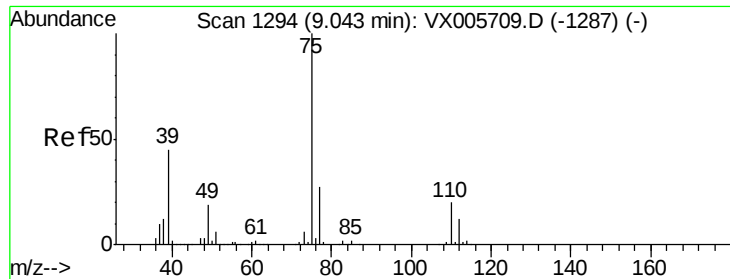
Tgt Ion: 92 Resp: 74035

Ion Ratio Lower Upper

92 100

91 180.3 140.4 210.6





#53

t-1,3-Dichloropropene

Concen: 18.468 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. 0.00 min

Lab File: VX005717.D

Acq: 31 Oct 2018 20:22

Instrument :

MSVOA_X

ClientSampleId :

VX1031MBS01

Tot Ion: 75 Resp: 42871

Ion Ratio Lower Upper

75 100

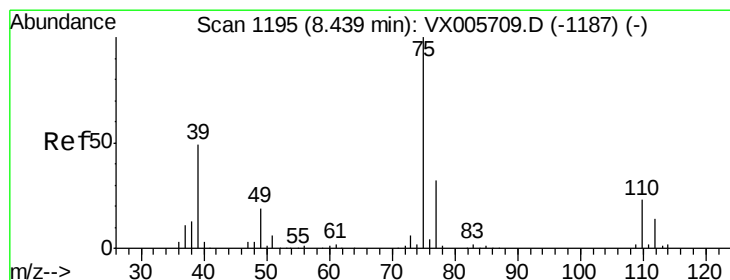
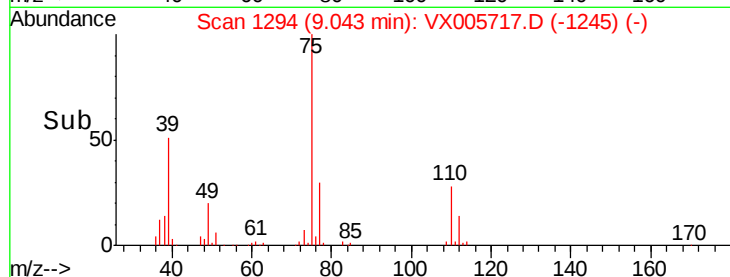
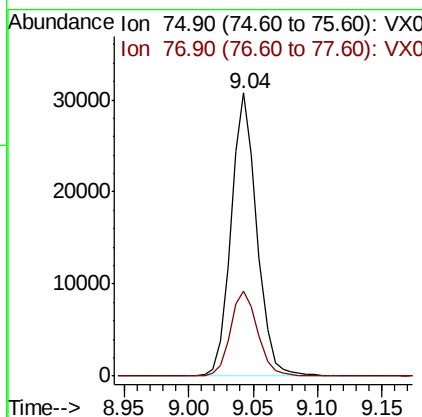
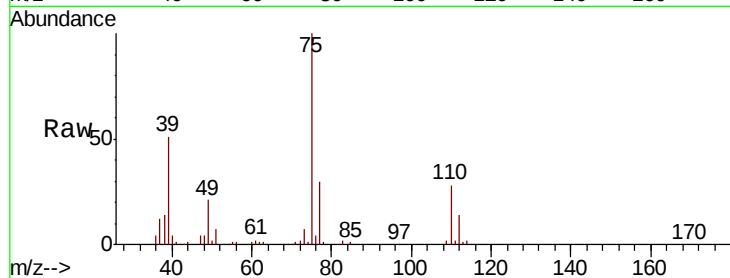
77 29.9 25.4 38.2

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 19.343 ug/l

RT: 8.44 min Scan# 1195

Delta R.T. 0.00 min

Lab File: VX005717.D

Acq: 31 Oct 2018 20:22

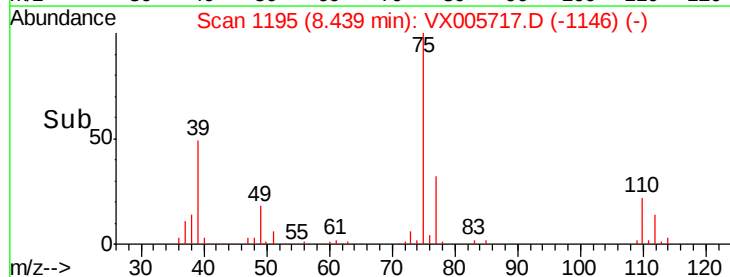
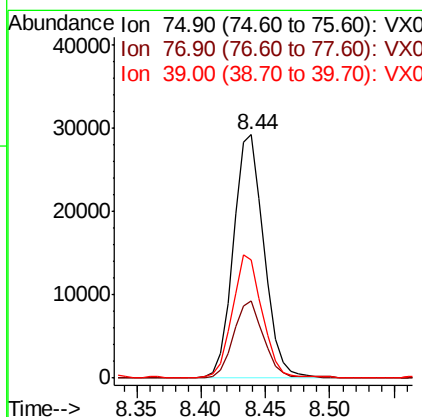
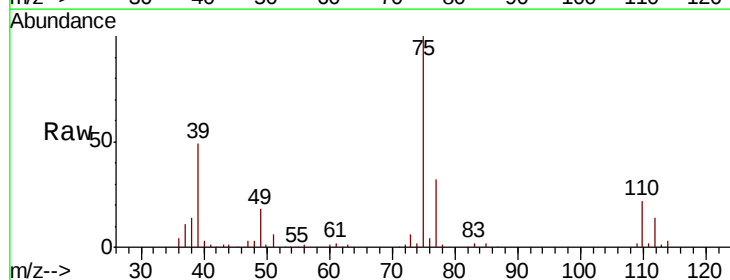
Tgt Ion: 75 Resp: 48108

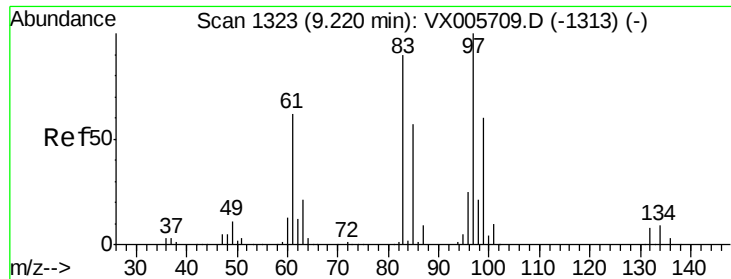
Ion Ratio Lower Upper

75 100

77 31.6 25.2 37.8

39 48.3 38.2 57.2





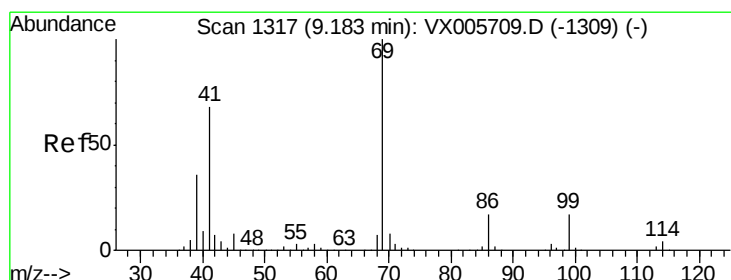
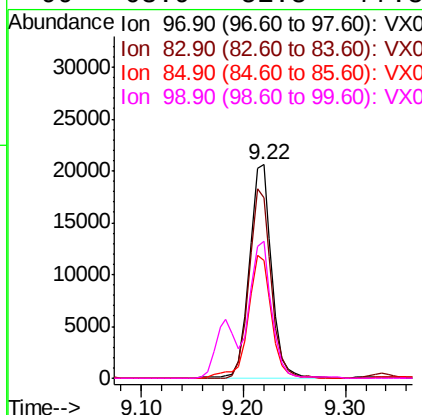
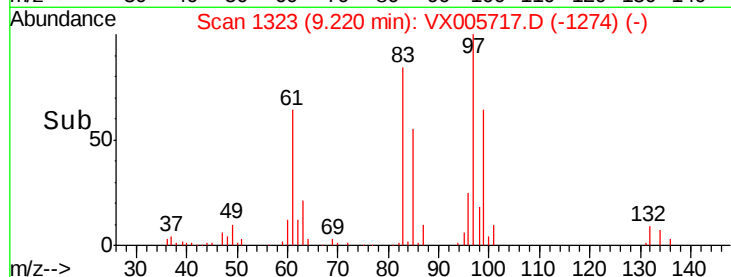
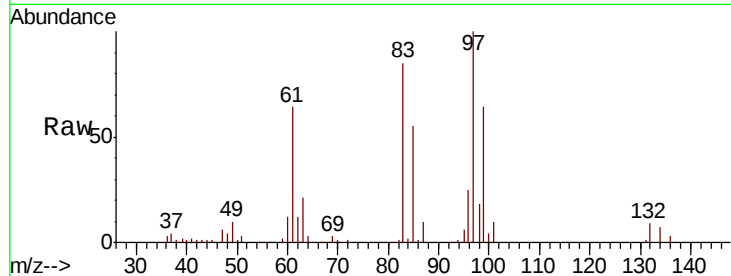
#55
 1,1,2-Trichloroethane
 Concen: 19.213 ug/l
 RT: 9.22 min Scan# 1323
 Delta R.T. 0.00 min
 Lab File: VX005717.D
 Acq: 31 Oct 2018 20:22

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1031MBS01

Tot Ion	Ratio	Lower	Upper
97	100		
83	84.7	70.7	106.1
85	55.2	45.8	68.6
99	63.9	51.8	77.8

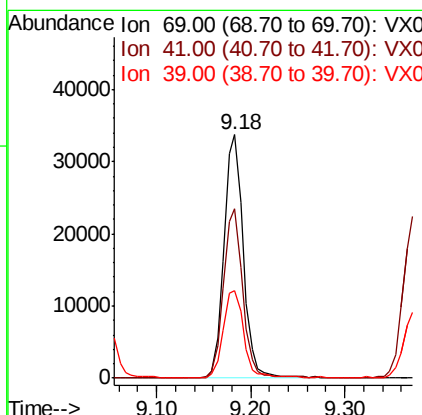
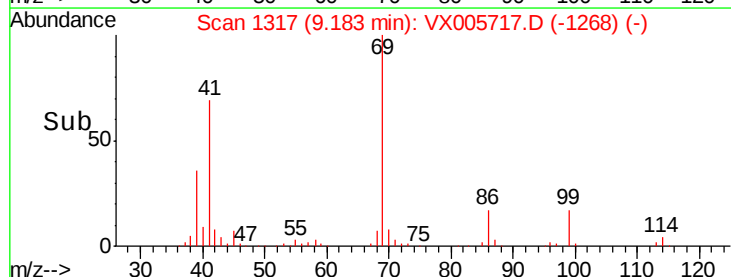
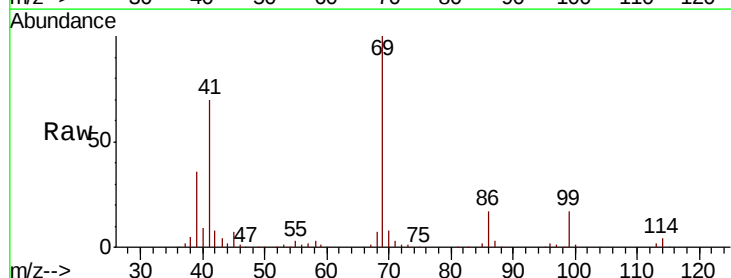
Manual Integrations
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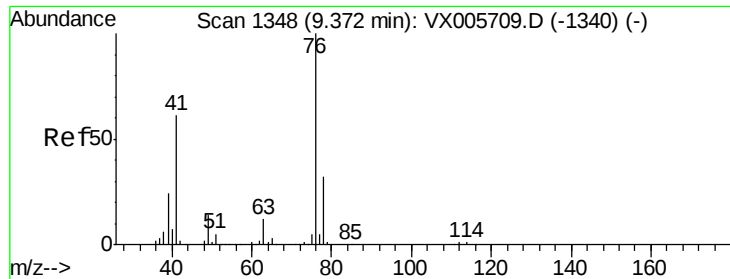
MMDadoda
 11/1/2018 9:49:38 AM



#56
 Ethyl methacrylate
 Concen: 18.899 ug/l
 RT: 9.18 min Scan# 1317
 Delta R.T. 0.00 min
 Lab File: VX005717.D
 Acq: 31 Oct 2018 20:22

Tgt Ion	Ratio	Lower	Upper
69	100		
41	70.0	57.0	85.6
39	38.2	28.3	42.5





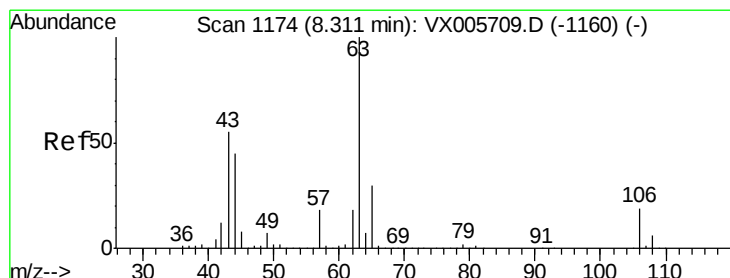
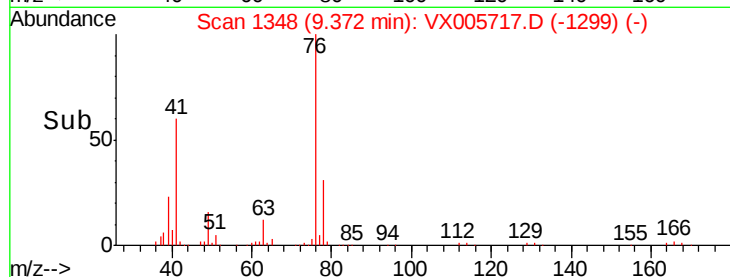
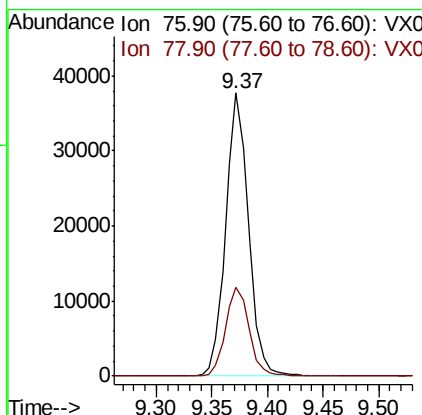
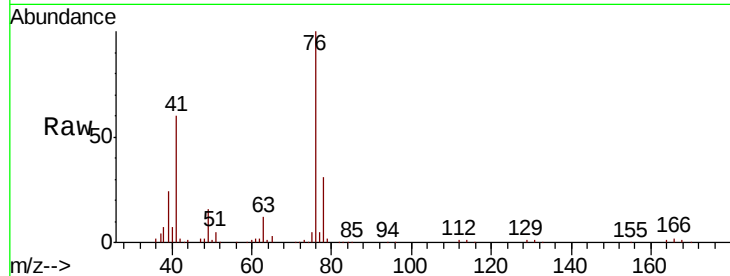
#57
 1,3-Dichloropropane
 Concen: 19.034 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. 0.00 min
 Lab File: VX005717.D
 Acq: 31 Oct 2018 20:22

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1031MBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.4	25.3	37.9

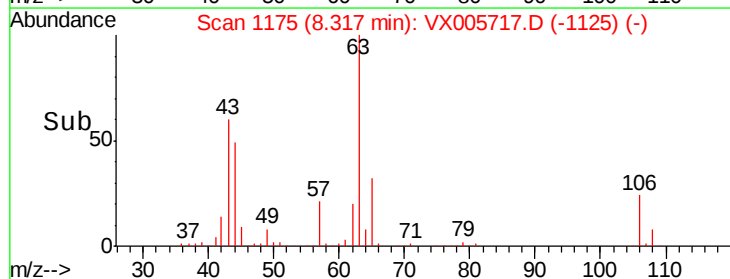
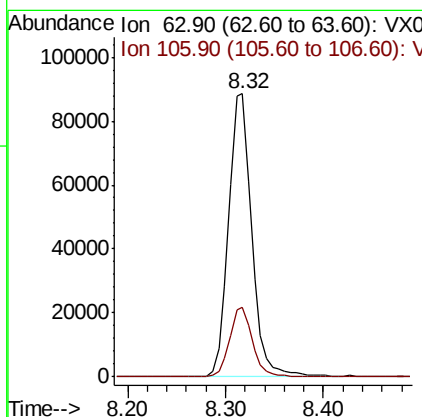
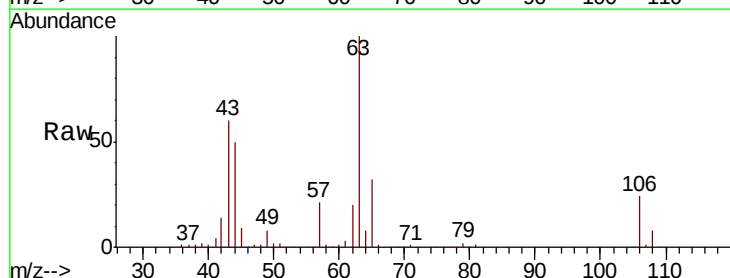
Manual Integrations
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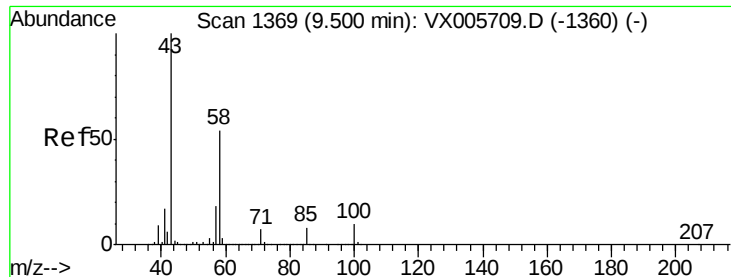
MMDadoda
 11/1/2018 9:49:38 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 98.840 ug/l
 RT: 8.32 min Scan# 1175
 Delta R.T. 0.01 min
 Lab File: VX005717.D
 Acq: 31 Oct 2018 20:22

Tgt Ion	Ratio	Lower	Upper
63	100		
106	24.3	21.3	31.9





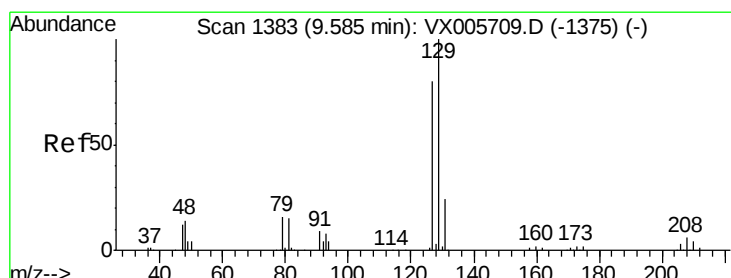
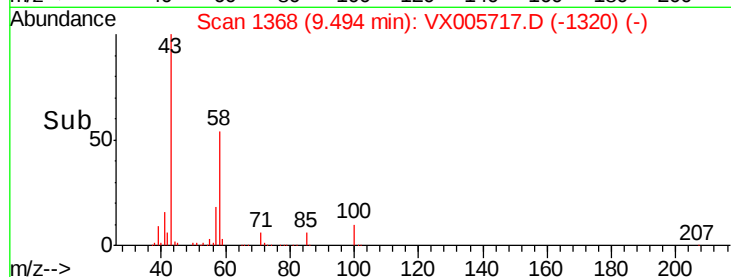
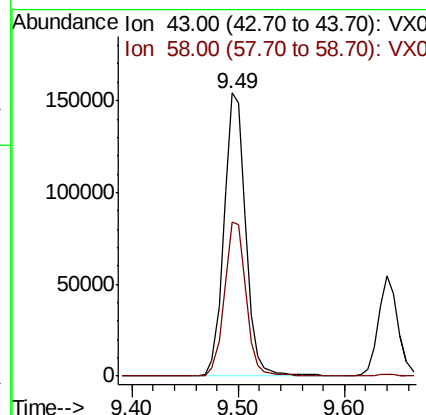
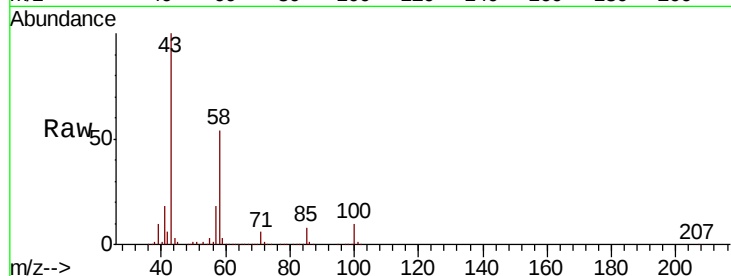
#59
2-Hexanone
Concen: 90.838 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. -0.01 min
Lab File: VX005717.D
Acq: 31 Oct 2018 20:22

Instrument :
MSVOA_X
ClientSampleId :
VX1031MBS01

Tot Ion: 43 Resp: 218760
Ion Ratio Lower Upper
43 100
58 54.6 25.9 77.8

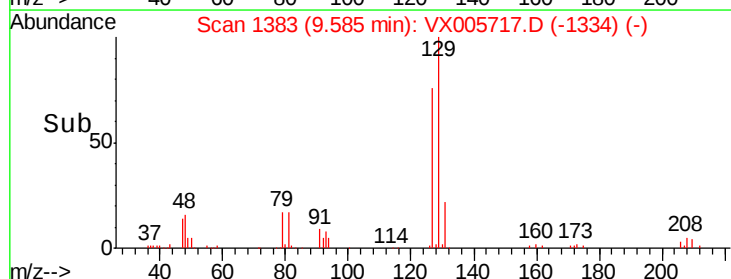
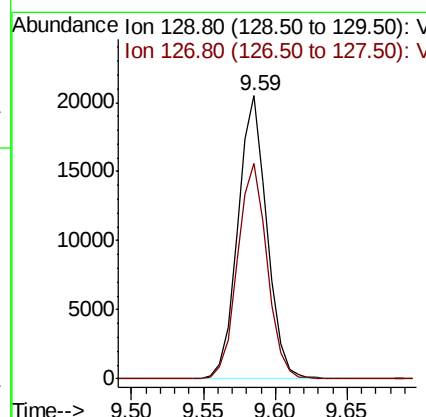
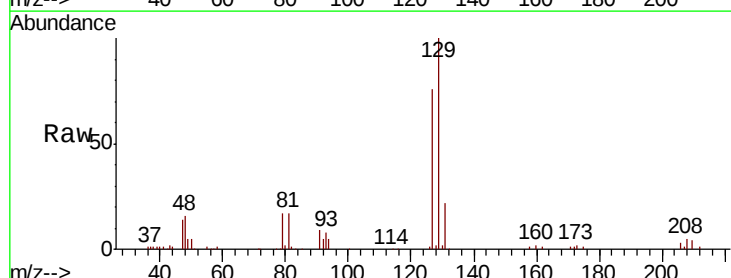
Manual Integrations
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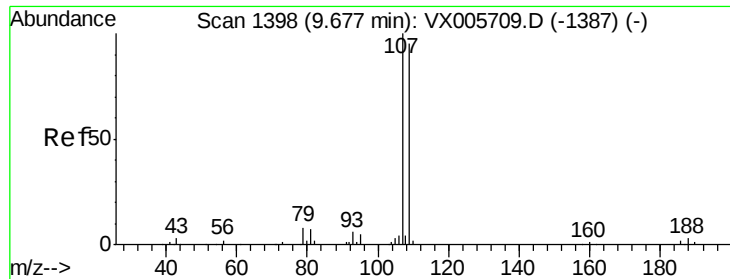
MMDadoda
11/1/2018 9:49:38 AM



#60
Dibromochloromethane
Concen: 18.213 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. 0.00 min
Lab File: VX005717.D
Acq: 31 Oct 2018 20:22

Tgt Ion: 129 Resp: 28826
Ion Ratio Lower Upper
129 100
127 77.5 38.9 116.7





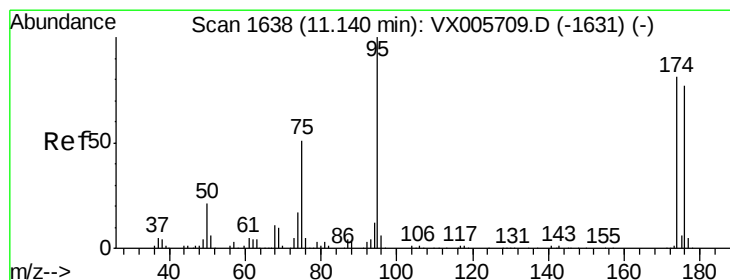
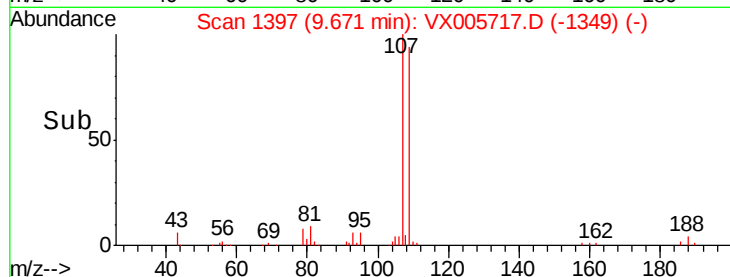
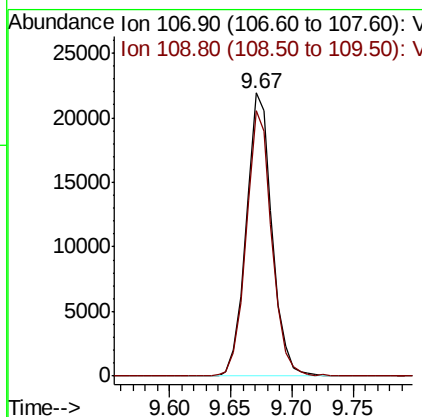
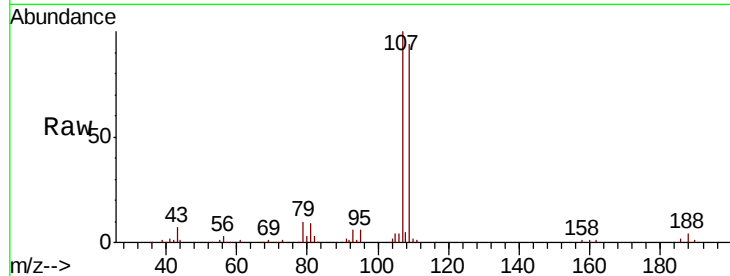
#61
 1,2-Dibromoethane
 Concen: 19.204 ug/l
 RT: 9.67 min Scan# 1397
 Delta R.T. -0.01 min
 Lab File: VX005717.D
 Acq: 31 Oct 2018 20:22

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1031MBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.1	75.7	113.5

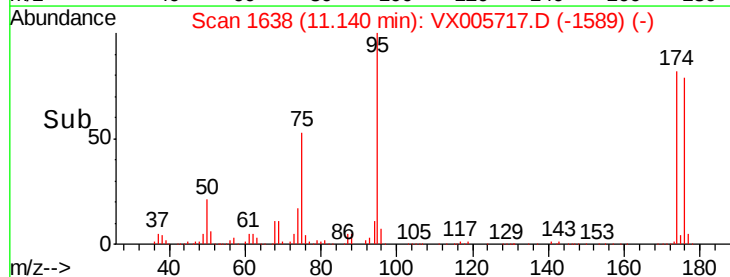
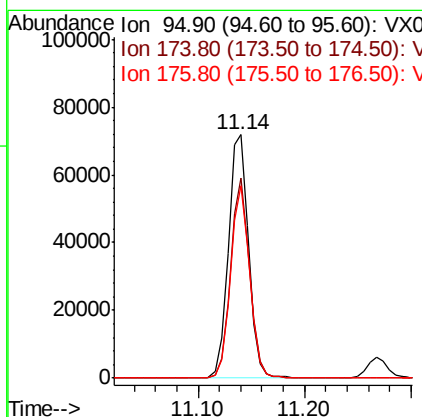
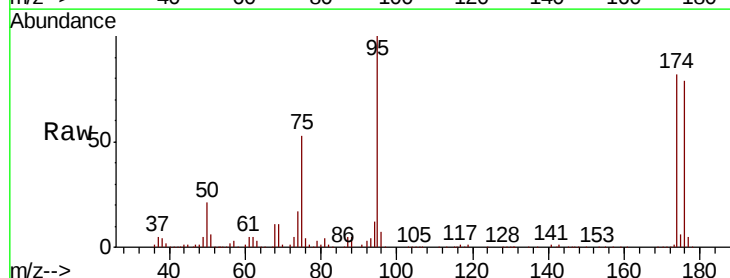
Manual Integrations
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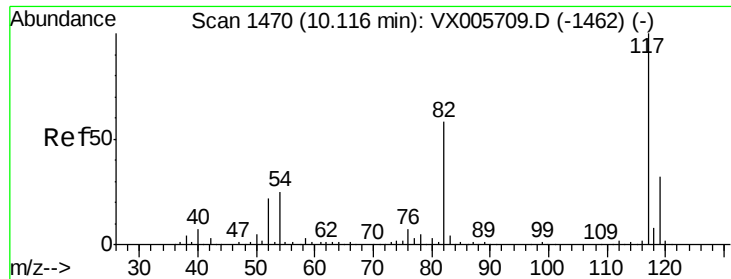
MMDadoda
 11/1/2018 9:49:38 AM



#62
 4-Bromofluorobenzene
 Concen: 48.225 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. 0.00 min
 Lab File: VX005717.D
 Acq: 31 Oct 2018 20:22

Tgt Ion	Ratio	Lower	Upper
95	100		
174	77.8	0.0	184.4
176	74.9	0.0	177.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. 0.00 min

Lab File: VX005717.D

Acq: 31 Oct 2018 20:22

Instrument :

MSVOA_X

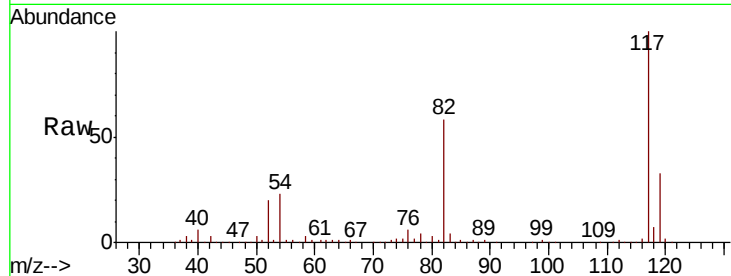
ClientSampleId :

VX1031MBS01

Tot Ion:	117	Resp:	183719
Ion Ratio	Lower	Upper	
117	100		
82	58.3	44.1	66.1
119	32.6	26.2	39.2

Manual Integrations
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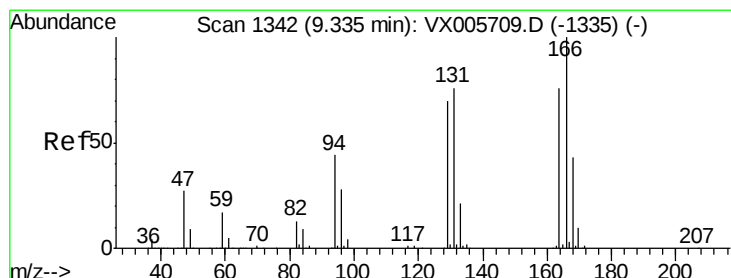
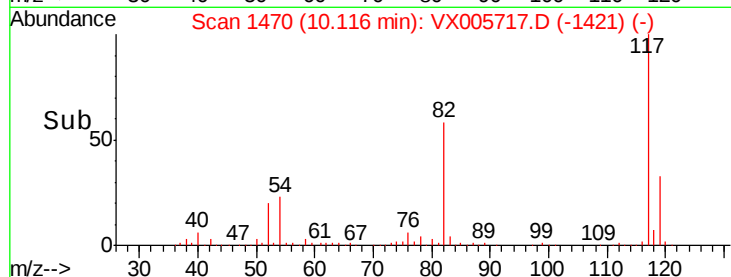
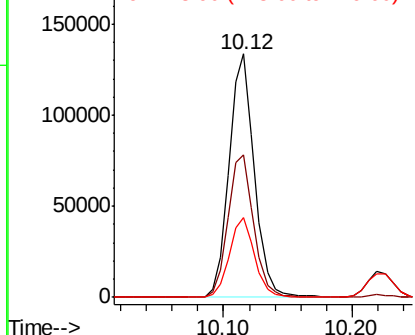


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 21.096 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. 0.00 min

Lab File: VX005717.D

Acq: 31 Oct 2018 20:22

Tgt Ion:	164	Resp:	28316
Ion Ratio	Lower	Upper	
164	100		
166	123.2	101.9	152.9
129	100.7	72.6	109.0
131	93.3	71.1	106.7

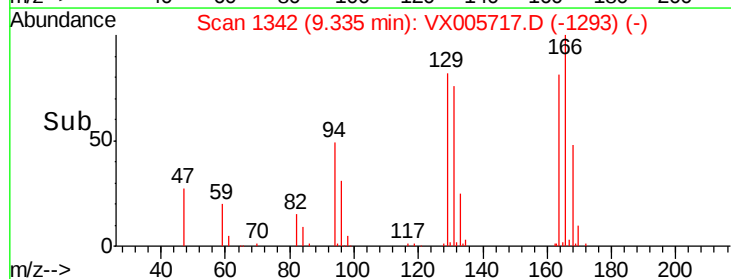
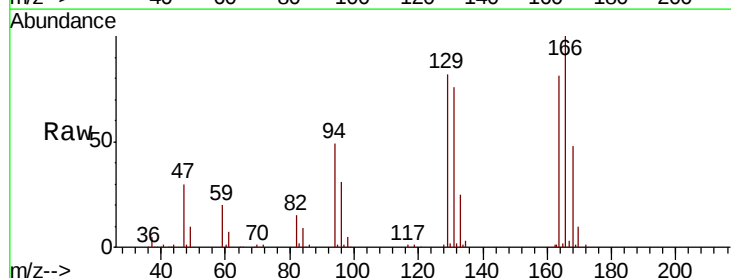
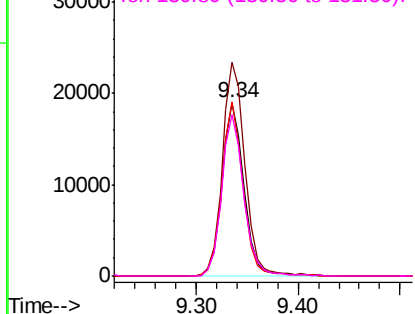
Abundance

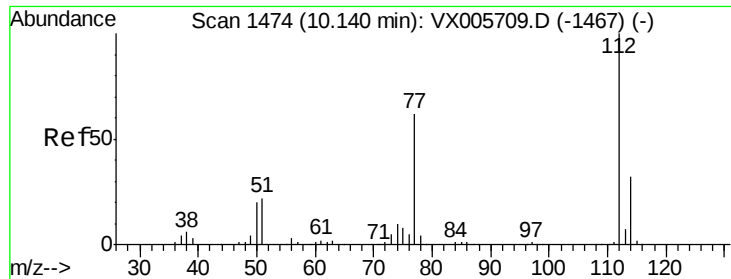
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





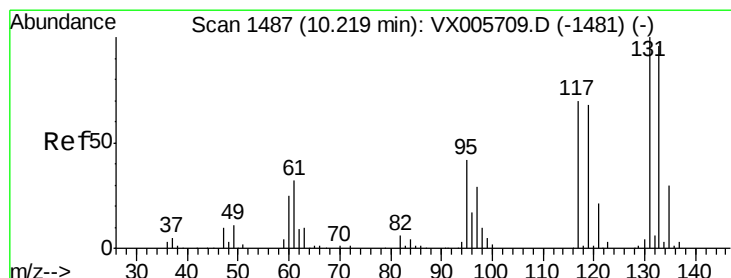
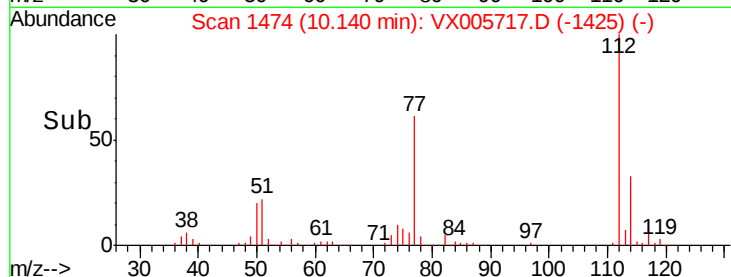
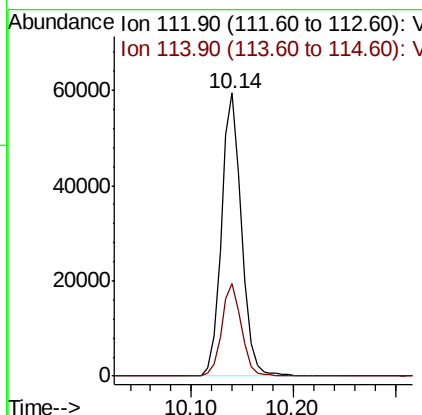
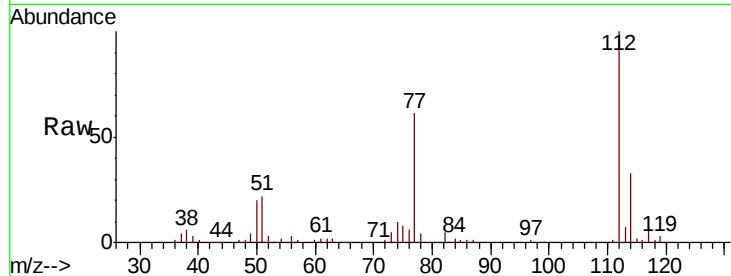
#65
Chlorobenzene
Concen: 20.792 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.00 min
Lab File: VX005717.D
Acq: 31 Oct 2018 20:22

Instrument :
MSVOA_X
ClientSampleId :
VX1031MBS01

Tot Ion:112 Resp: 81172
Ion Ratio Lower Upper
112 100
114 32.6 25.8 38.6

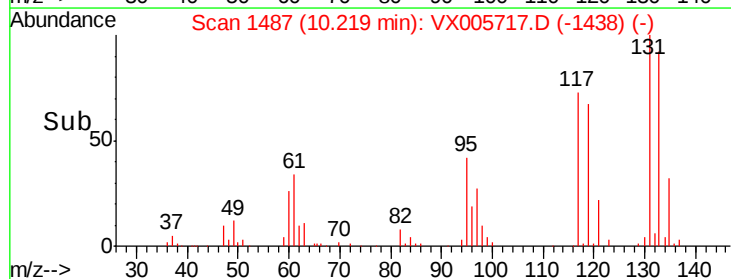
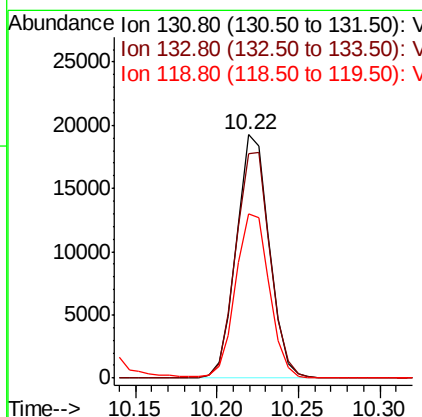
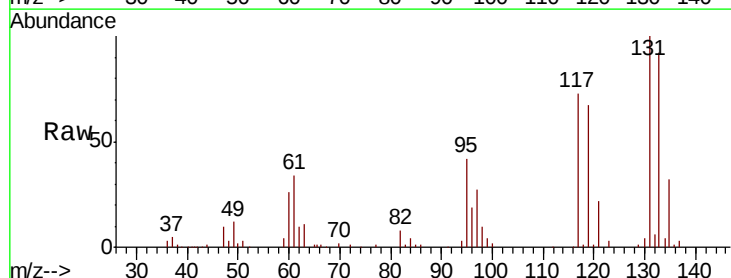
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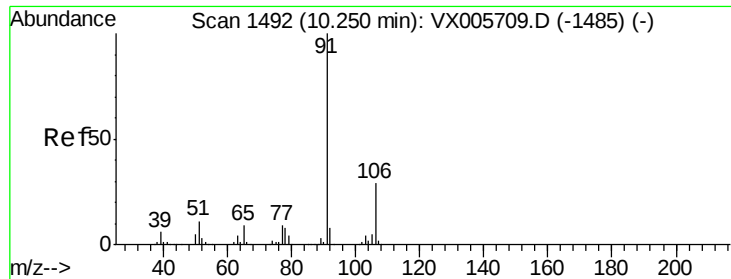
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.283 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VX005717.D
Acq: 31 Oct 2018 20:22

Tgt Ion:131 Resp: 27108
Ion Ratio Lower Upper
131 100
133 96.7 47.5 142.5
119 69.5 31.8 95.3





#67

Ethyl Benzene

Concen: 21.270 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX005717.D

Acq: 31 Oct 2018 20:22

Instrument :

MSVOA_X

ClientSampleId :

VX1031MBS01

Tot Ion: 91 Resp: 141717

Ion Ratio Lower Upper

91 100

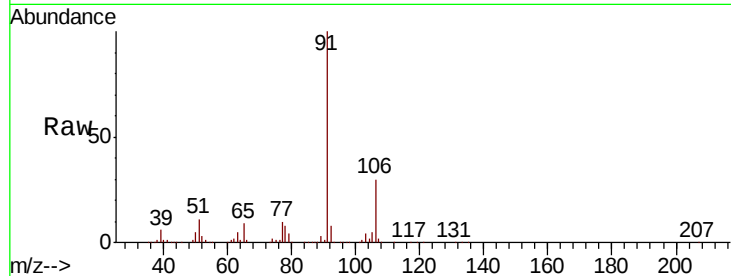
106 29.9 24.4 36.6

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VX005709.D (-1485) (-)

Ion 106.00 (105.70 to 106.70): VX005709.D (-1485) (-)

150000

100000

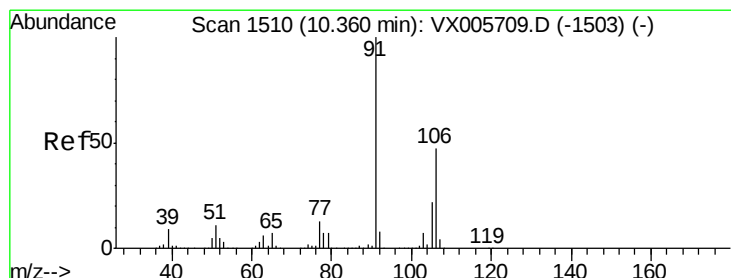
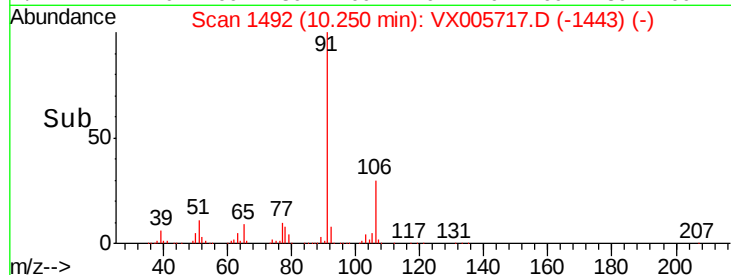
50000

0

10.25

10.30

Time-->



#68

m/p-Xylenes

Concen: 43.076 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX005717.D

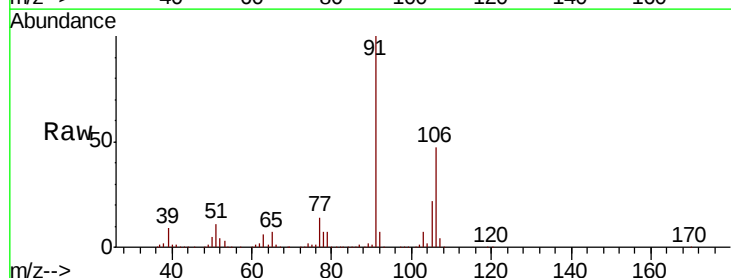
Acq: 31 Oct 2018 20:22

Tgt Ion: 106 Resp: 106649

Ion Ratio Lower Upper

106 100

91 210.7 164.2 246.4



Abundance Ion 106.00 (105.70 to 106.70): VX005709.D (-1503) (-)

Ion 91.00 (90.70 to 91.70): VX005709.D (-1503) (-)

150000

100000

50000

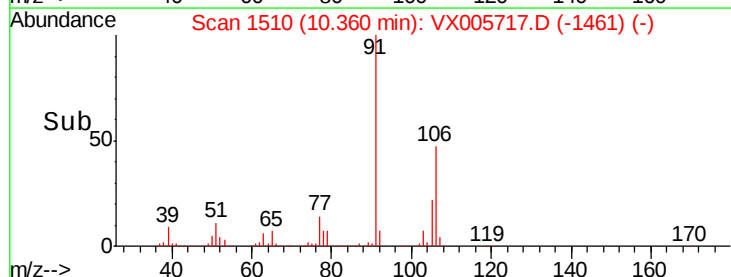
0

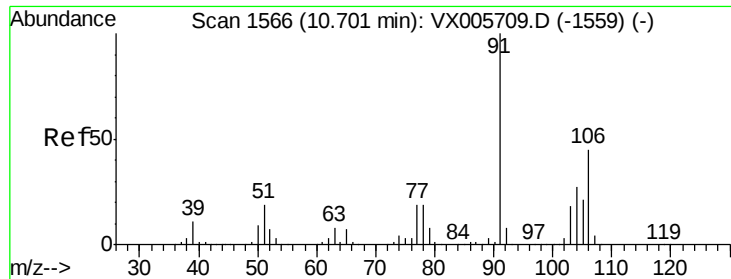
10.36

10.40

10.50

Time-->





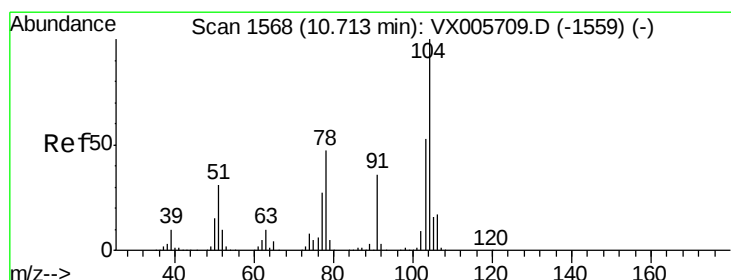
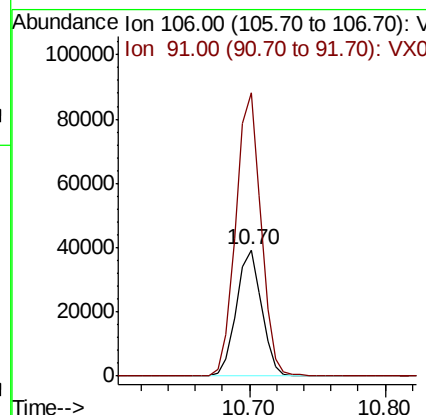
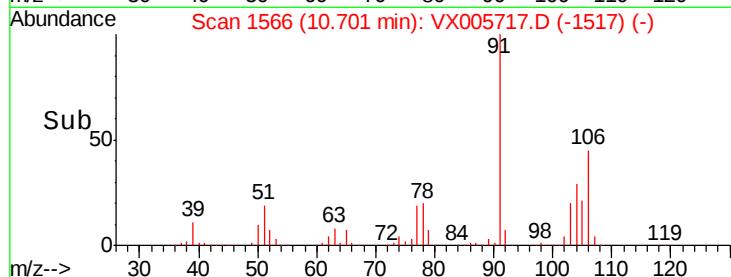
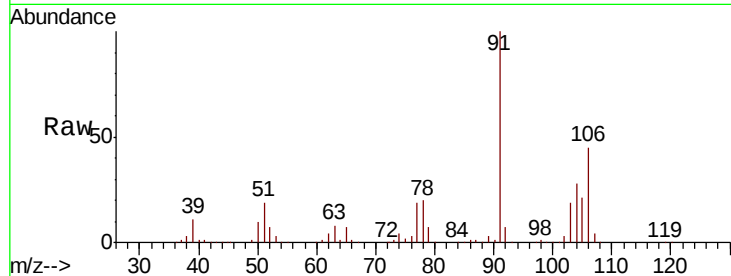
#69
o-Xylene
Concen: 21.525 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VX005717.D
Acq: 31 Oct 2018 20:22

Instrument :
MSVOA_X
ClientSampled :
VX1031MBS01

Tot Ion:106 Resp: 50971
Ion Ratio Lower Upper
106 100
91 223.6 108.5 325.5

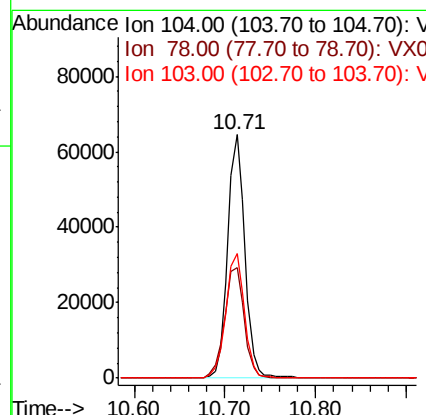
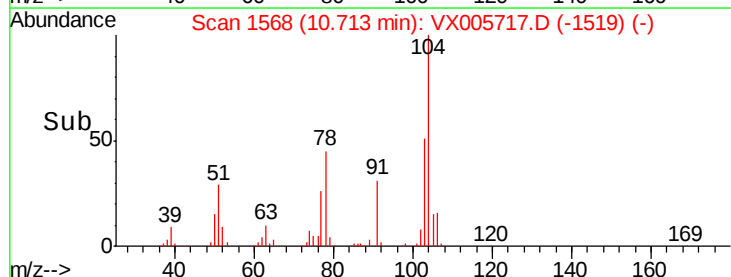
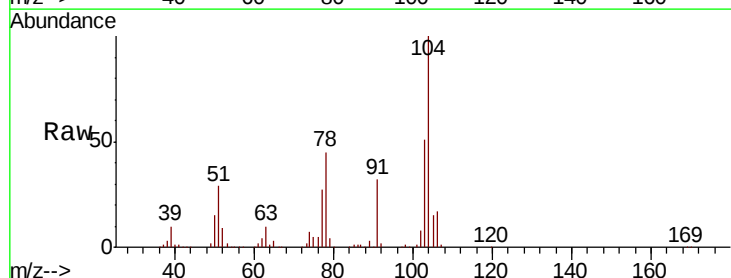
Manual Integrations
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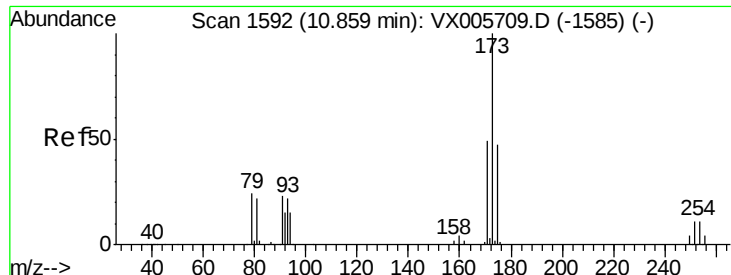
MMDadoda
11/1/2018 9:49:38 AM



#70
Styrene
Concen: 21.715 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX005717.D
Acq: 31 Oct 2018 20:22

Tgt Ion:104 Resp: 85404
Ion Ratio Lower Upper
104 100
78 52.4 40.2 60.4
103 55.6 44.9 67.3





#71

Bromoform

Concen: 19.254 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. 0.00 min

Lab File: VX005717.D

Acq: 31 Oct 2018 20:22

Instrument :

MSVOA_X

ClientSampleId :

VX1031MBS01

Tot Ion:173 Resp: 20849

Ion Ratio Lower Upper

173 100

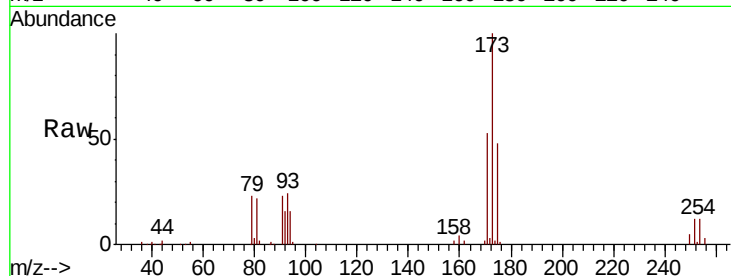
175 48.5 24.8 74.3

254 0.0 0.2 0.2#

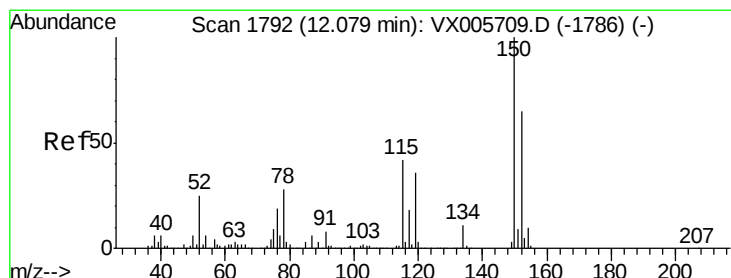
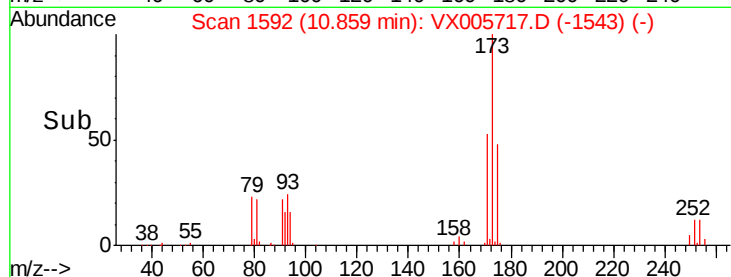
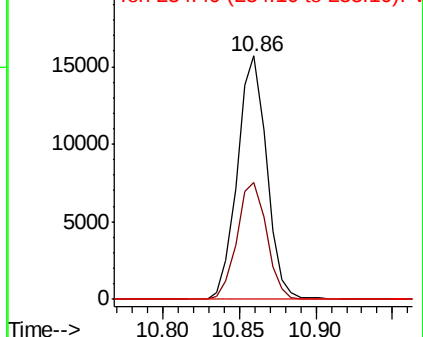
Manual Integrations
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX005717.D

Acq: 31 Oct 2018 20:22

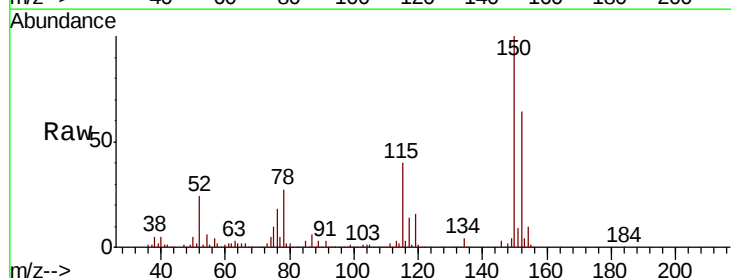
Tgt Ion:152 Resp: 92318

Ion Ratio Lower Upper

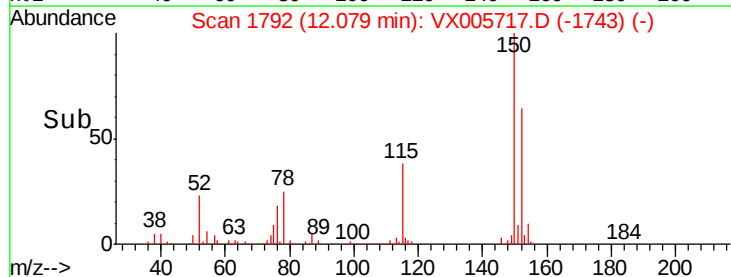
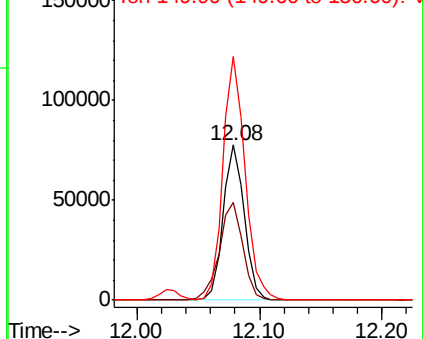
152 100

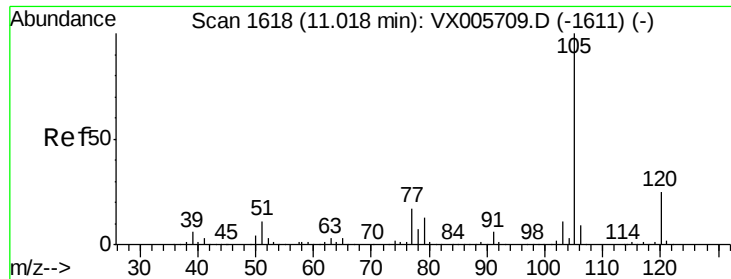
115 71.3 39.4 118.1

150 165.8 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





#73

Isopropylbenzene

Concen: 23.286 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX005717.D

Acq: 31 Oct 2018 20:22

Instrument :

MSVOA_X

ClientSampleId :

VX1031MBS01

Tot Ion: 105 Resp: 141823

Ion Ratio Lower Upper

105 100

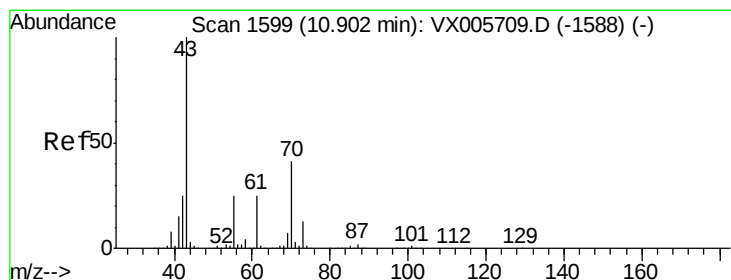
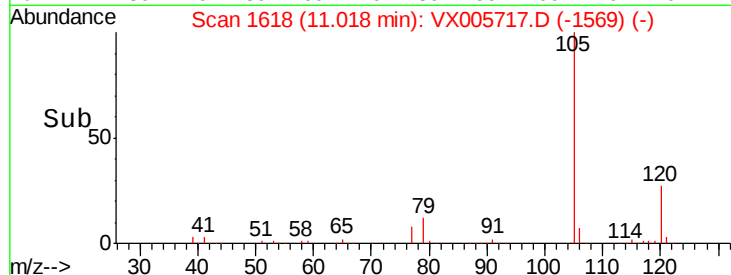
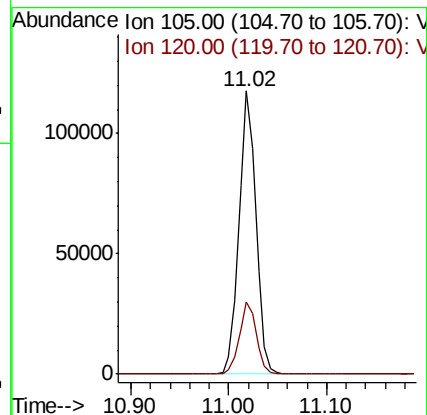
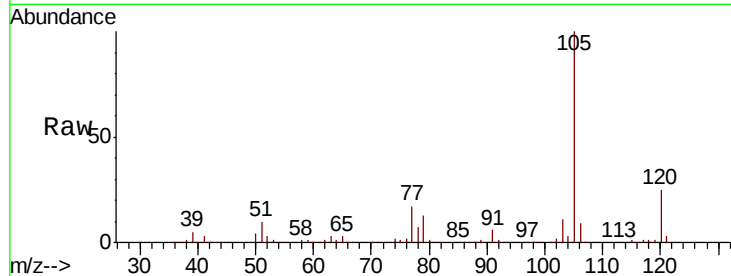
120 25.3 13.1 39.3

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#74

N-ethyl acetate

Concen: 21.185 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.01 min

Lab File: VX005717.D

Acq: 31 Oct 2018 20:22

Tgt Ion: 43 Resp: 68696

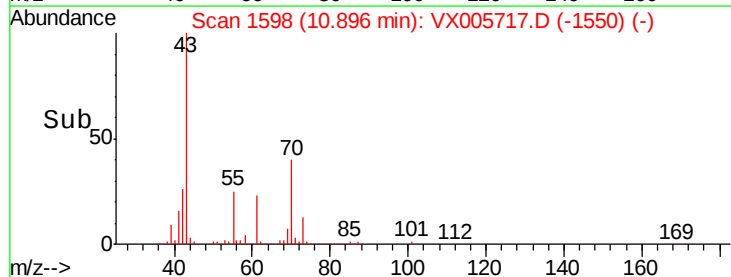
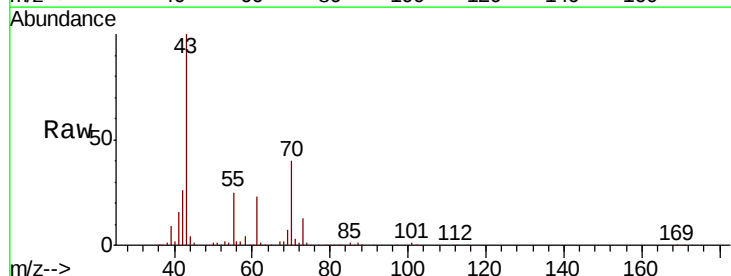
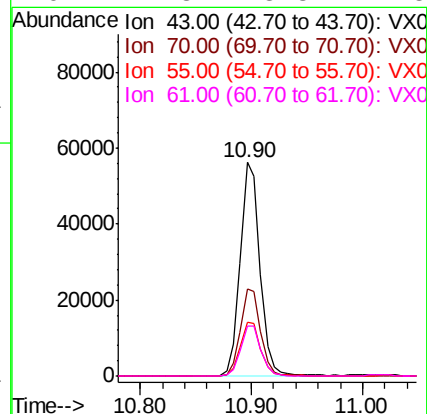
Ion Ratio Lower Upper

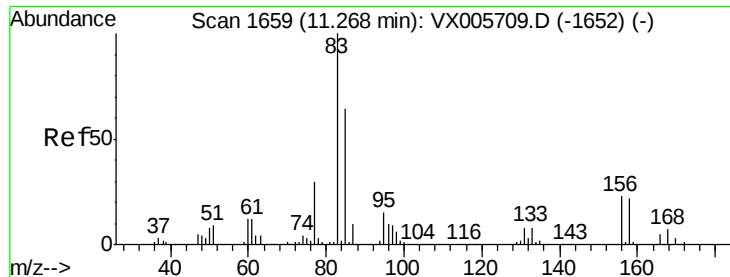
43 100

70 41.8 31.6 47.4

55 25.9 19.7 29.5

61 24.3 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 20.751 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX005717.D

Acq: 31 Oct 2018 20:22

Instrument :

MSVOA_X

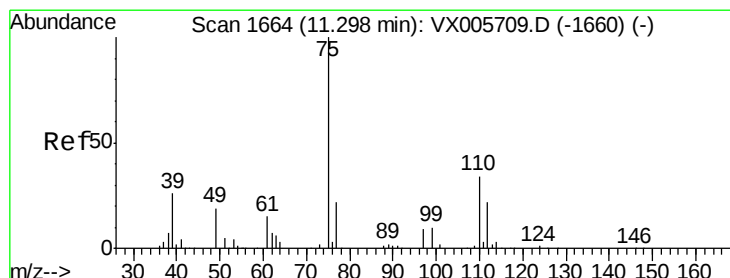
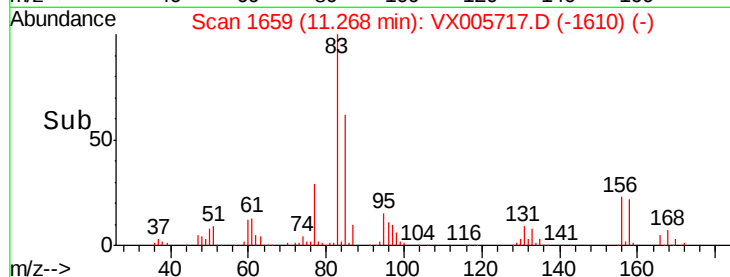
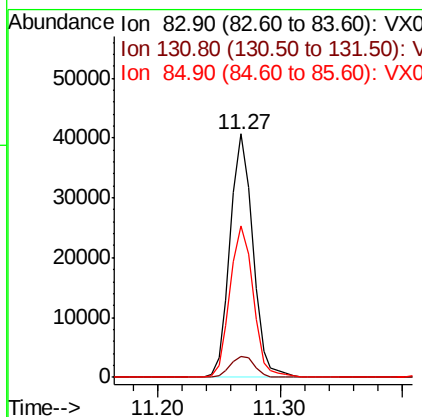
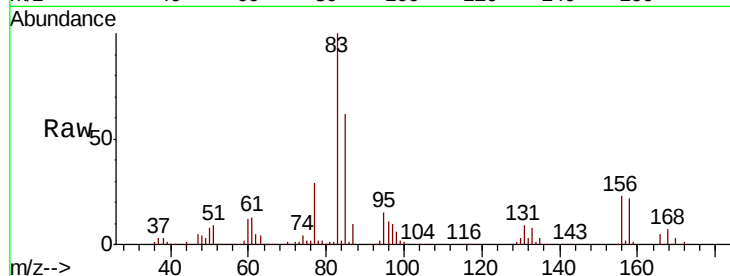
ClientSampleId :

VX1031MBS01

Tot Ion:	83	Resp:	52435
Ion Ratio	Lower	Upper	
83	100		
131	9.0	5.3	15.9
85	63.8	32.0	96.2

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#76

1,2,3-Trichloropropane

Concen: 21.722 ug/l m

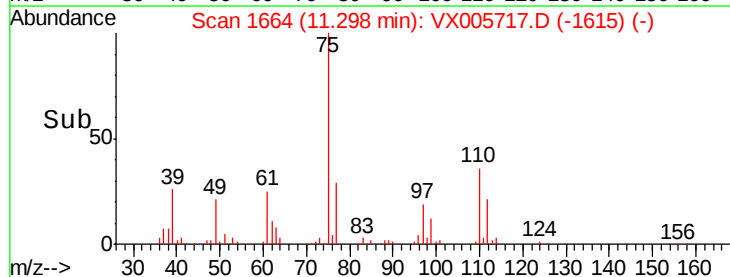
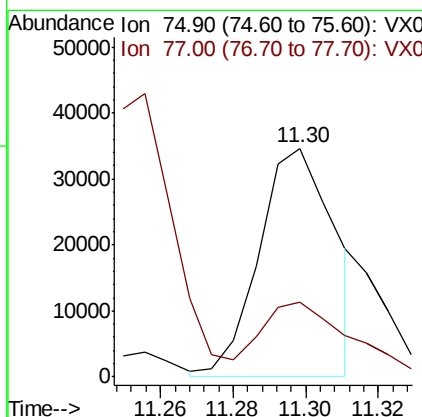
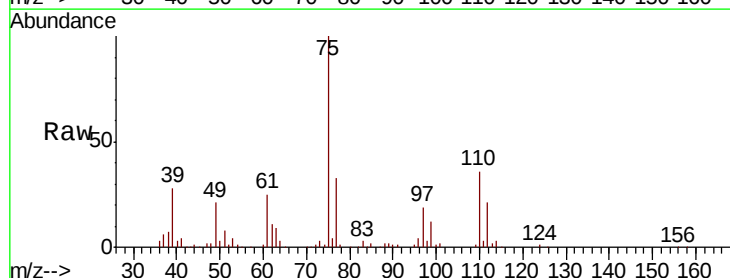
RT: 11.30 min Scan# 1664

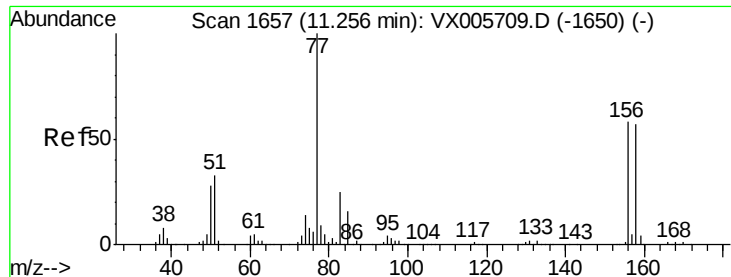
Delta R.T. 0.00 min

Lab File: VX005717.D

Acq: 31 Oct 2018 20:22

Tgt Ion:	75	Resp:	49945
Ion Ratio	Lower	Upper	
75	100		
77	38.8	20.5	61.6





#77

Bromobenzene

Concen: 22.199 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX005717.D

Acq: 31 Oct 2018 20:22

Instrument :

MSVOA_X

ClientSampleId :

VX1031MBS01

Tot Ion:156 Resp: 33539

Ion Ratio Lower Upper

156 100

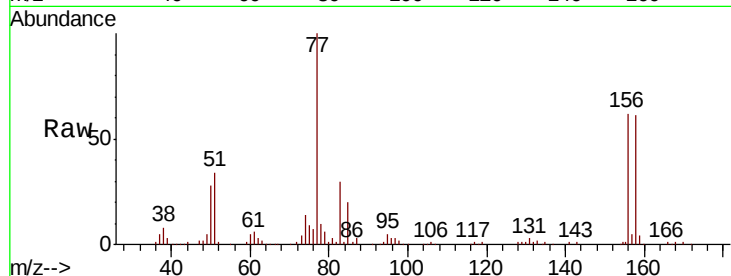
77 173.0 74.8 224.4

158 98.7 49.1 147.3

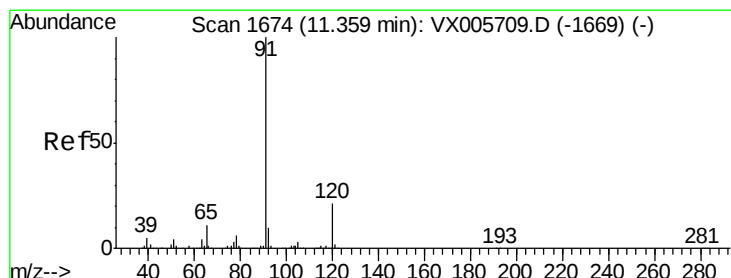
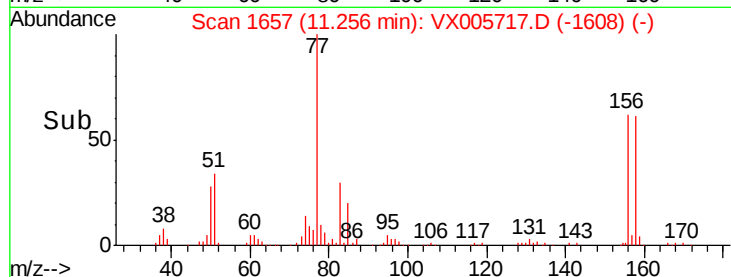
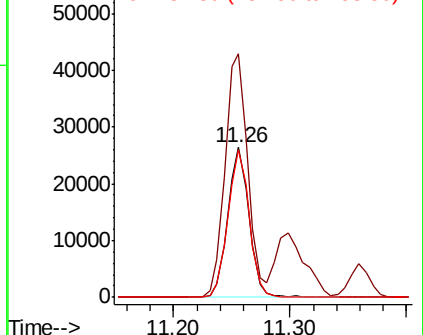
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Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VX0
Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 22.625 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX005717.D

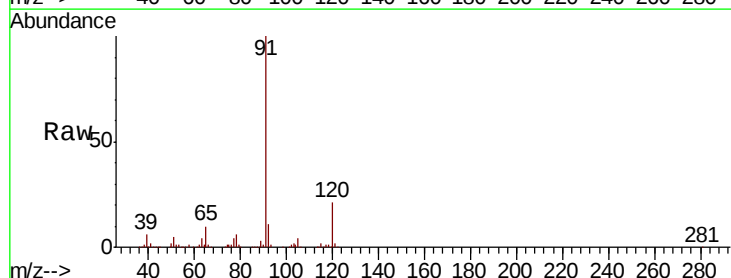
Acq: 31 Oct 2018 20:22

Tgt Ion: 91 Resp: 167637

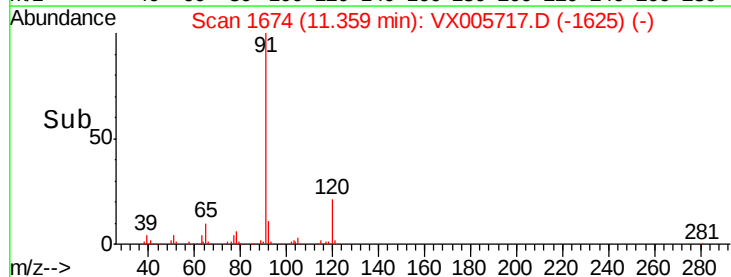
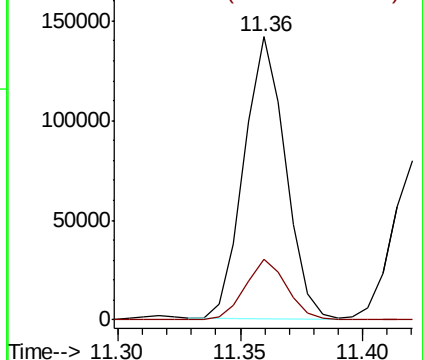
Ion Ratio Lower Upper

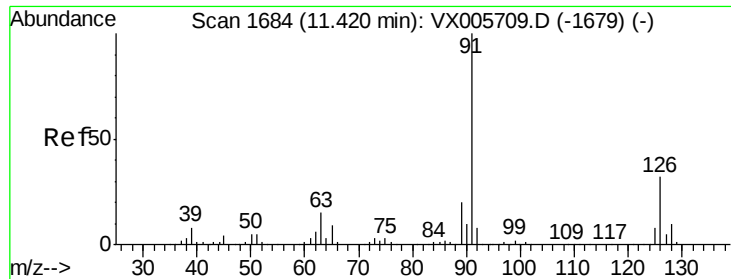
91 100

120 21.8 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: 22.503 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX005717.D

Acq: 31 Oct 2018 20:22

Instrument :

MSVOA_X

ClientSampleId :

VX1031MBS01

Tot Ion: 91 Resp: 99583

Ion Ratio Lower Upper

91 100

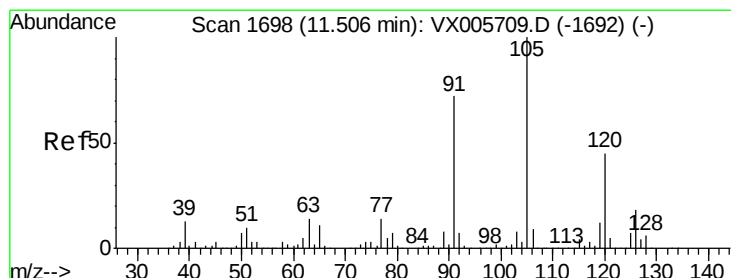
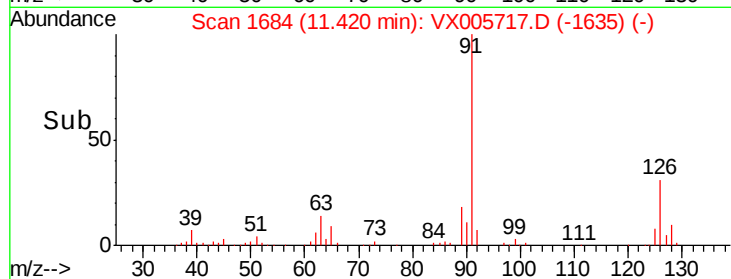
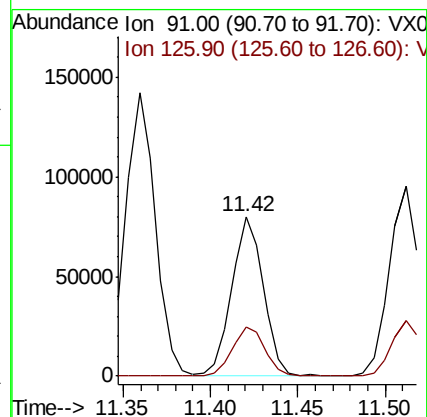
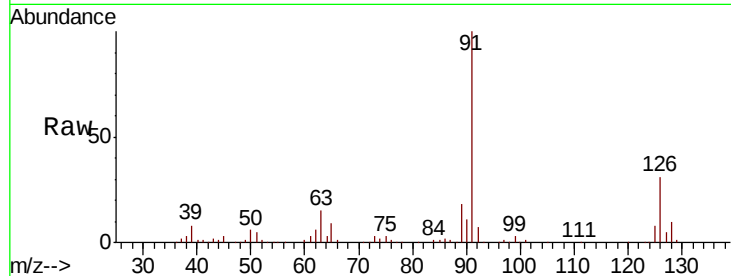
126 32.1 17.3 52.0

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 22.749 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX005717.D

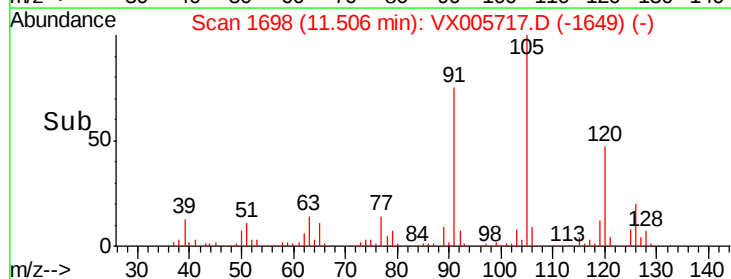
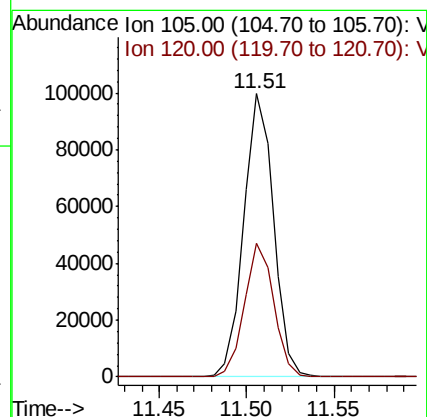
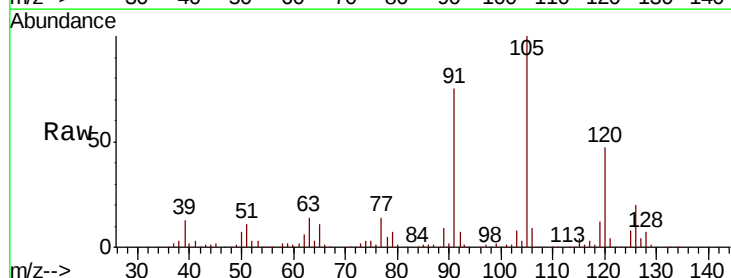
Acq: 31 Oct 2018 20:22

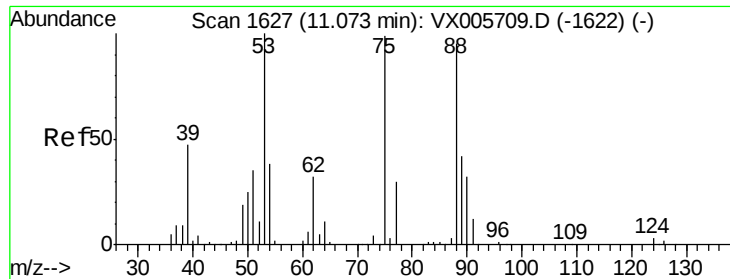
Tgt Ion: 105 Resp: 117647

Ion Ratio Lower Upper

105 100

120 46.8 24.1 72.2





#81

trans-1,4-Dichloro-2-butene

Concen: 19.647 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX005717.D

Acq: 31 Oct 2018 20:22

Instrument :

MSVOA_X

ClientSampleId :

VX1031MBS01

Tot Ion: 75 Resp: 13982

Ion Ratio Lower Upper

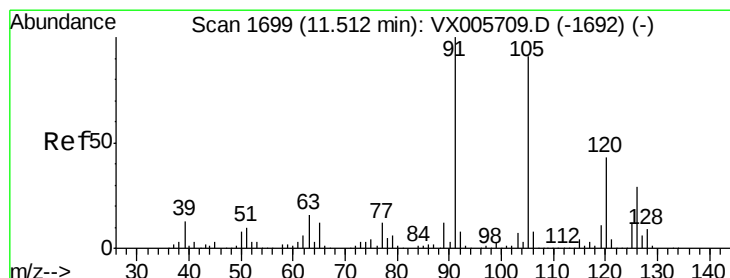
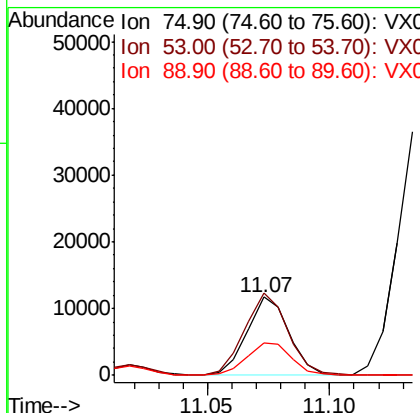
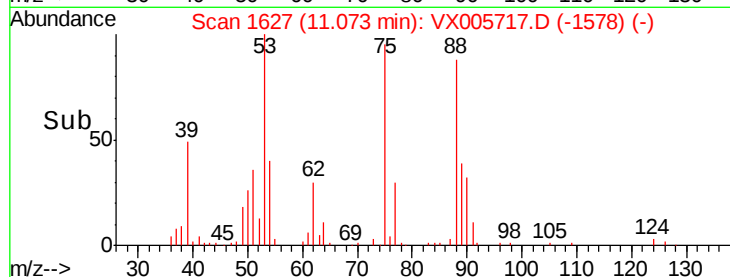
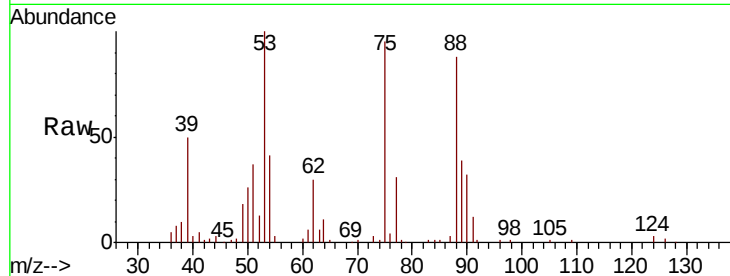
75 100

53 109.2 80.2 120.2

89 44.4 39.8 59.8

Manual Integrations
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#82

4-Chlorotoluene

Concen: 21.910 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VX005717.D

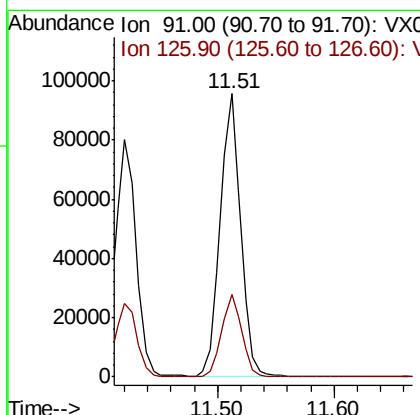
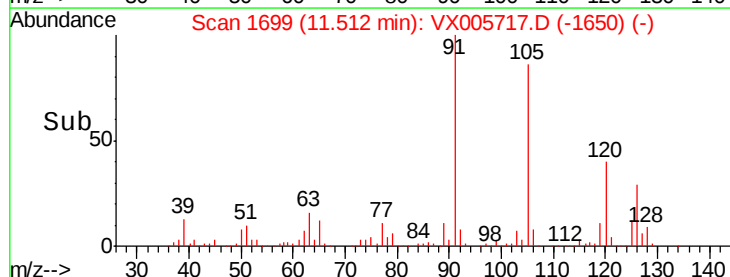
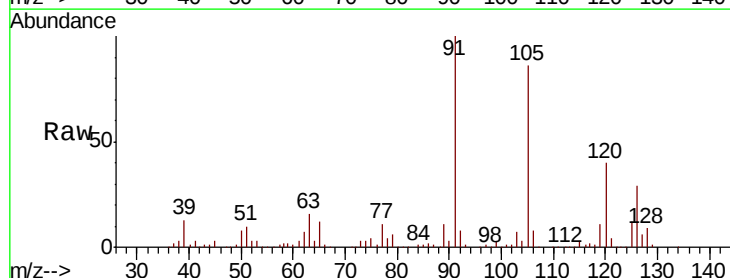
Acq: 31 Oct 2018 20:22

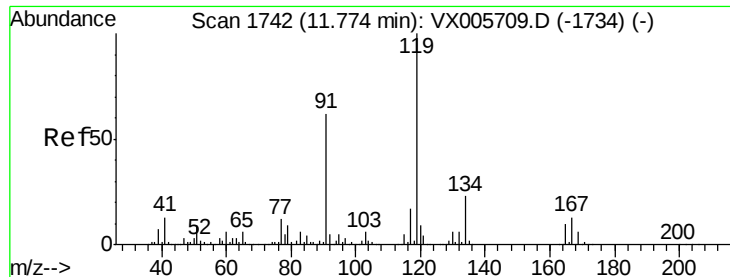
Tgt Ion: 91 Resp: 115753

Ion Ratio Lower Upper

91 100

126 28.7 15.2 45.6





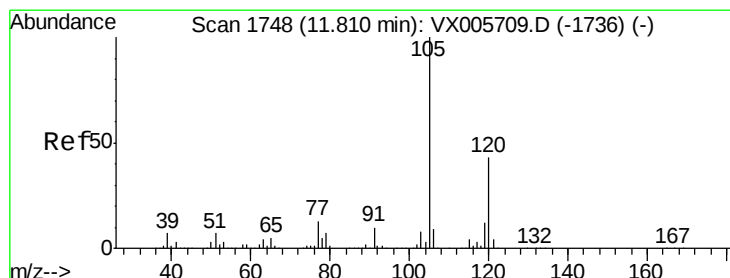
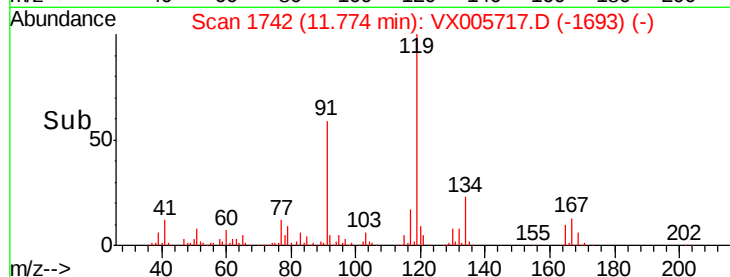
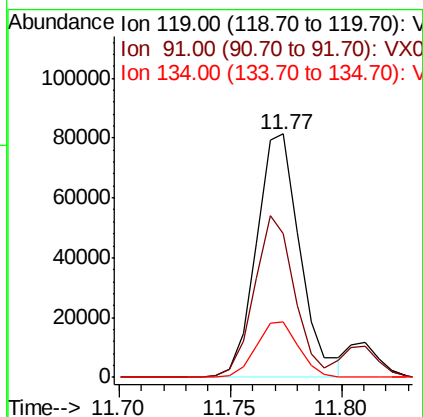
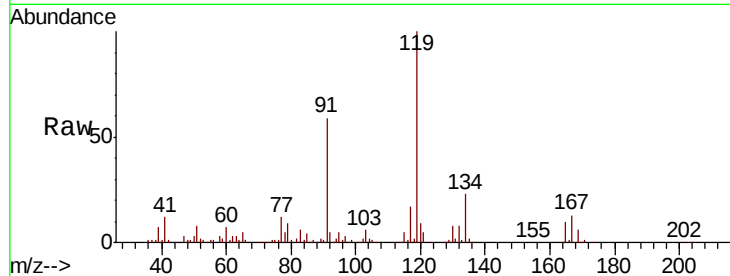
#83
 tert-Butylbenzene
 Concen: 22.537 ug/l
 RT: 11.77 min Scan# 1742
 Delta R.T. 0.00 min
 Lab File: VX005717.D
 Acq: 31 Oct 2018 20:22

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1031MBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	111206		
91	61.0	28.5	85.5	
134	22.2	11.3	33.8	

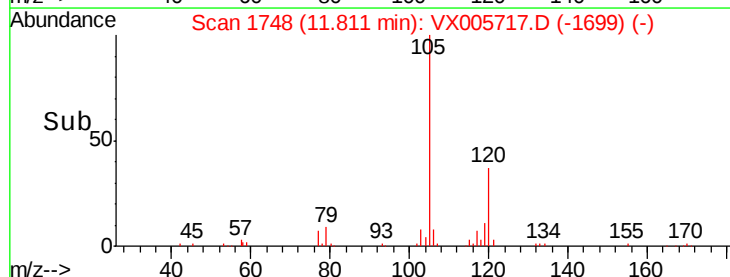
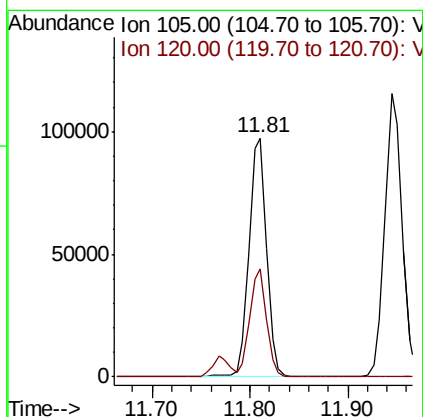
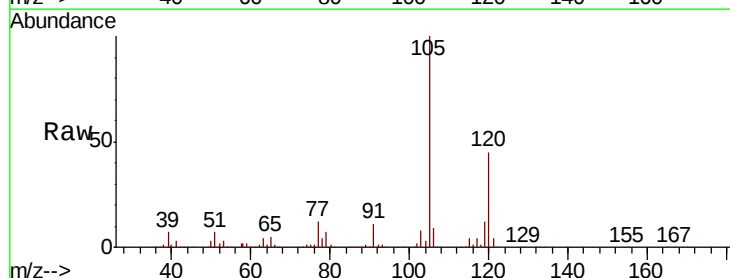
Manual Integrations
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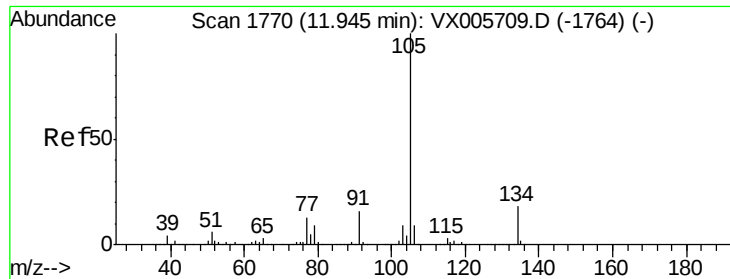
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#84
 1,2,4-Trimethylbenzene
 Concen: 23.250 ug/l
 RT: 11.81 min Scan# 1748
 Delta R.T. 0.00 min
 Lab File: VX005717.D
 Acq: 31 Oct 2018 20:22

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	121414		
120	43.1	22.4	67.0	





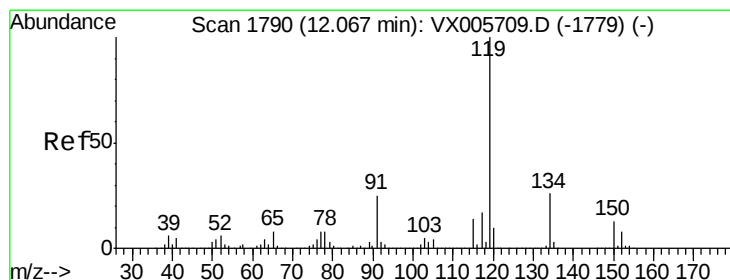
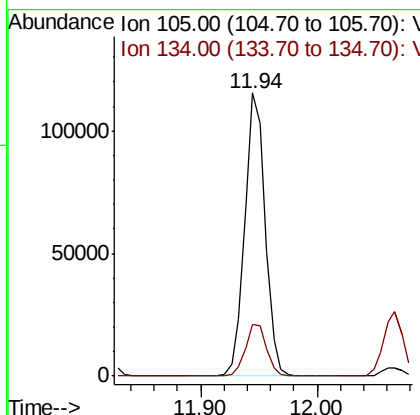
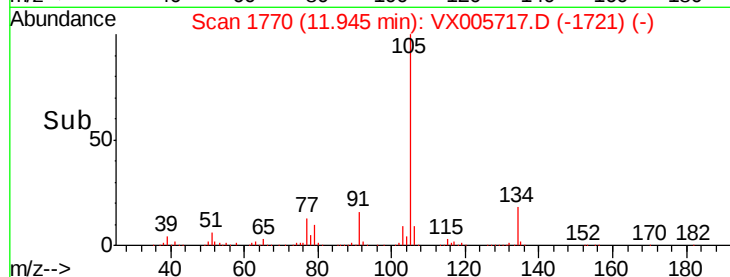
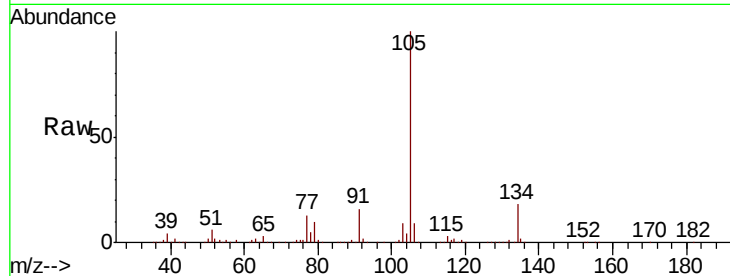
#85
 sec-Butylbenzene
 Concen: 22.422 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. 0.00 min
 Lab File: VX005717.D
 Acq: 31 Oct 2018 20:22

Instrument :
 MSVOA_X
 ClientSampled :
 VX1031MBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	18.8	10.2	30.4

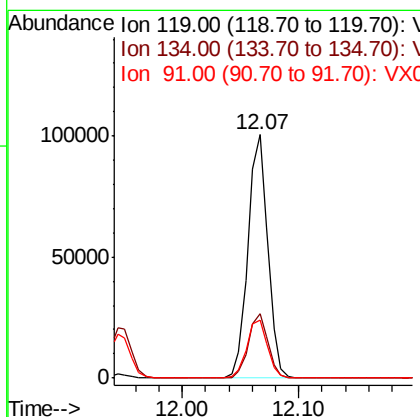
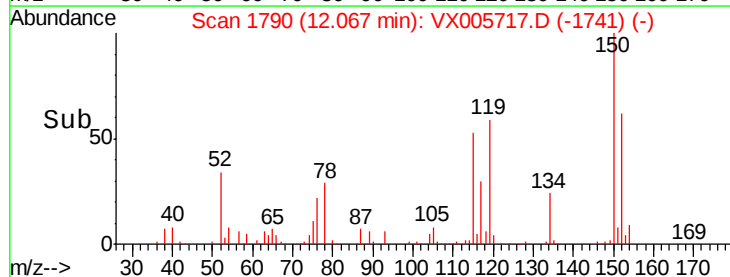
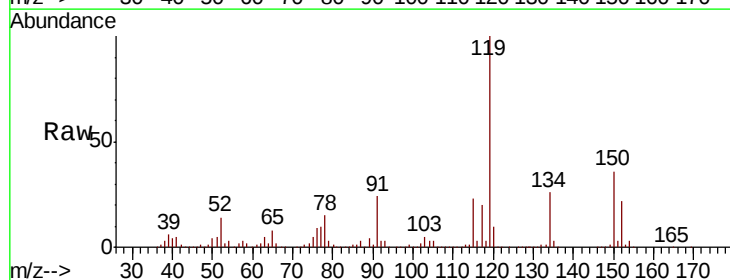
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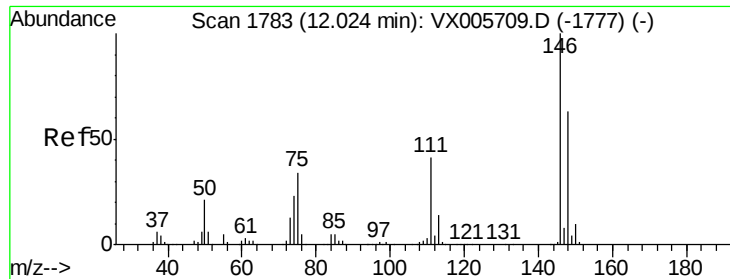
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#86
 p-Isopropyltoluene
 Concen: 22.260 ug/l
 RT: 12.07 min Scan# 1790
 Delta R.T. 0.00 min
 Lab File: VX005717.D
 Acq: 31 Oct 2018 20:22

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.1	13.0	39.0
91	25.3	11.4	34.2





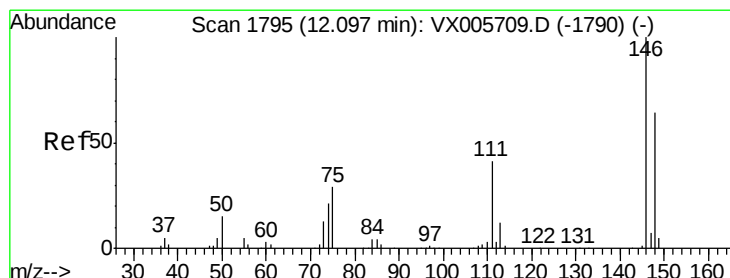
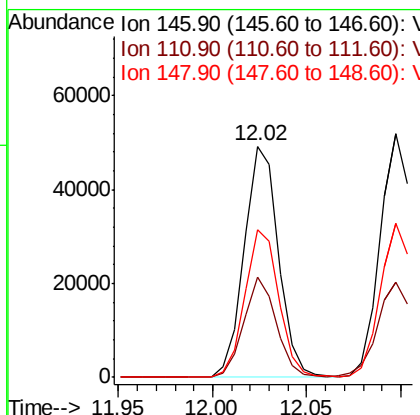
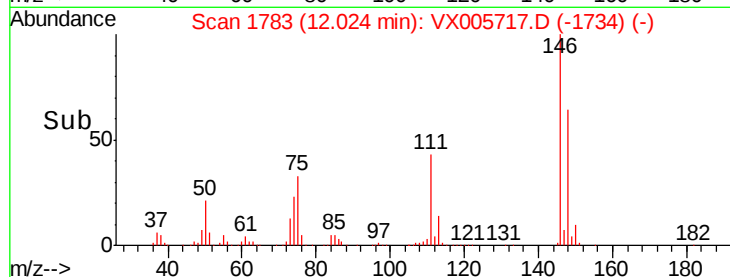
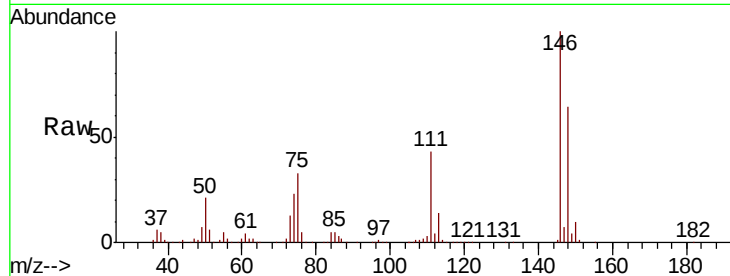
#87
 1,3-Dichlorobenzene
 Concen: 21.268 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX005717.D
 Acq: 31 Oct 2018 20:22

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1031MBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.8	19.0	57.0
148	63.6	31.9	95.9

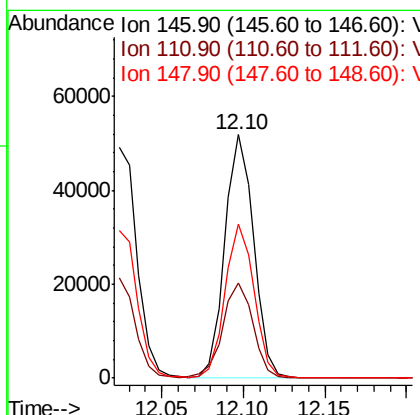
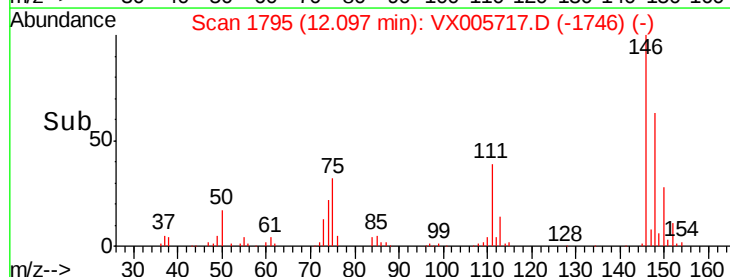
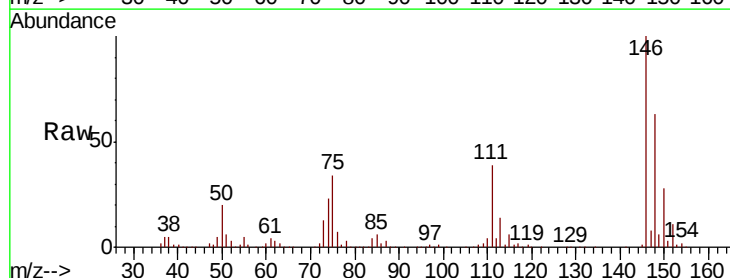
Manual Integrations
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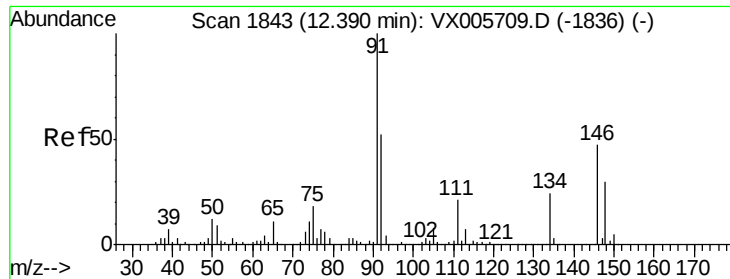
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 11/1/2018 9:49:38 AM



#88
 1,4-Dichlorobenzene
 Concen: 20.408 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX005717.D
 Acq: 31 Oct 2018 20:22

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.2	18.6	55.8
148	63.4	32.1	96.3





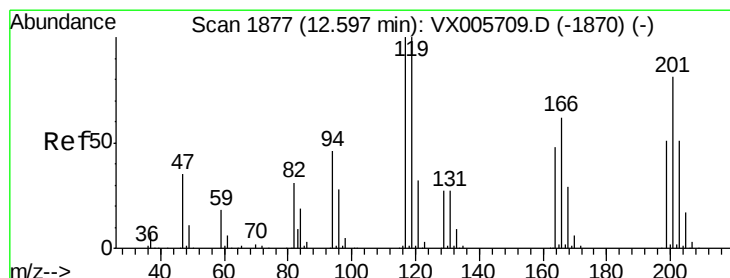
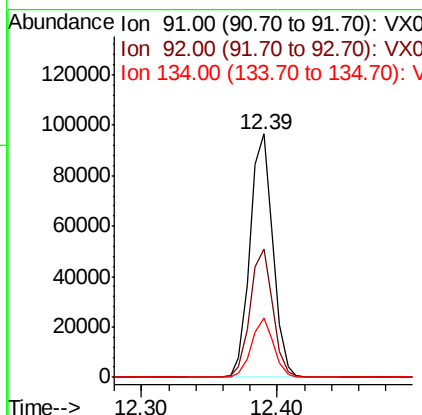
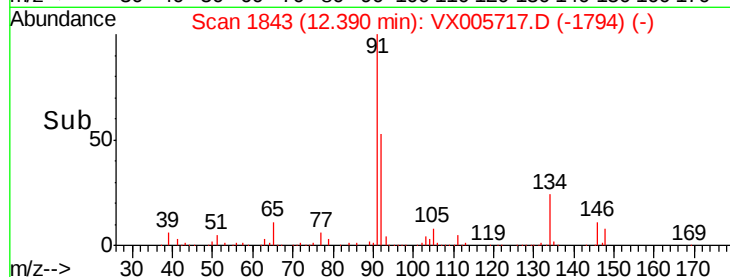
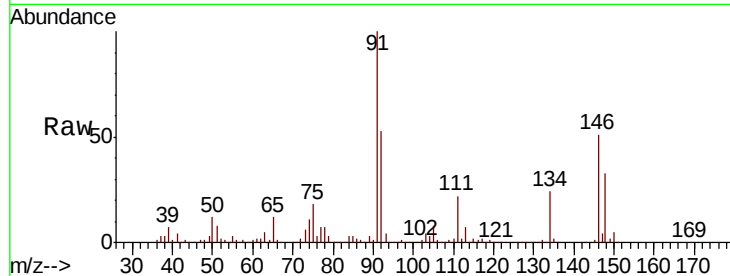
#89
n-Butylbenzene
Concen: 21.078 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.00 min
Lab File: VX005717.D
Acq: 31 Oct 2018 20:22

Instrument :
MSVOA_X
ClientSampleId :
VX1031MBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.2	26.1	78.2
134	23.4	13.1	39.3

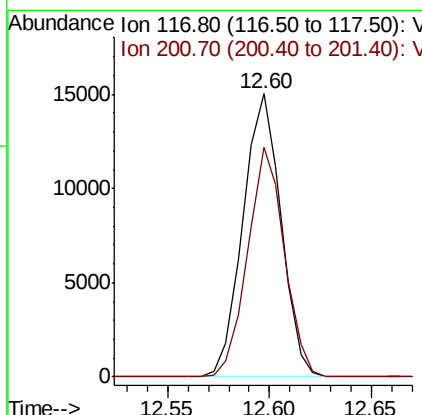
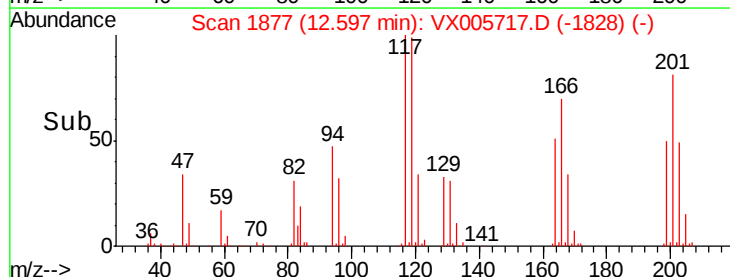
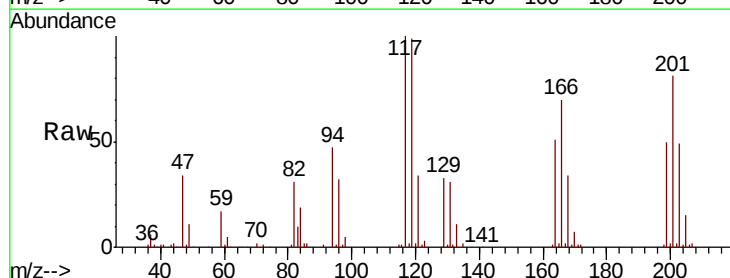
Manual Integrations
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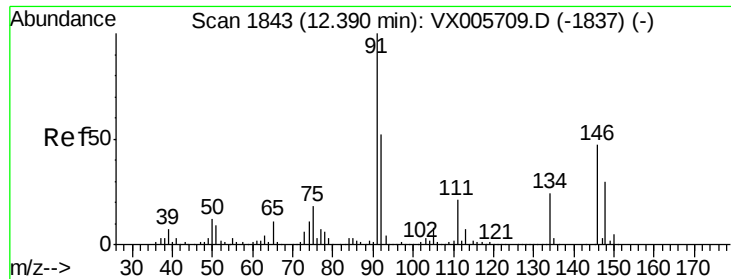
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#90
Hexachloroethane
Concen: 20.323 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX005717.D
Acq: 31 Oct 2018 20:22

Tgt Ion	Ratio	Lower	Upper
117	100		
201	78.7	47.9	143.6





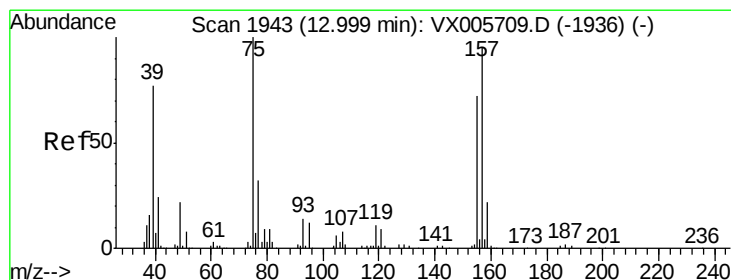
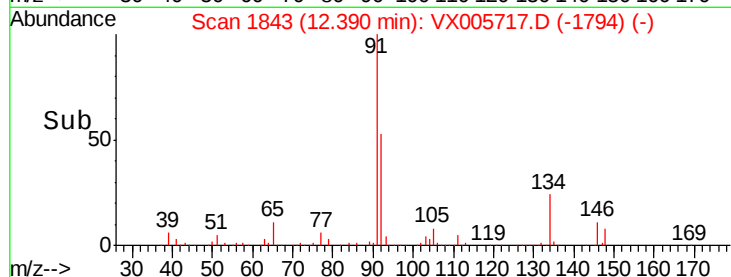
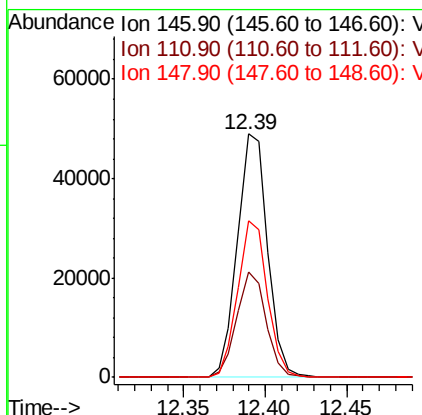
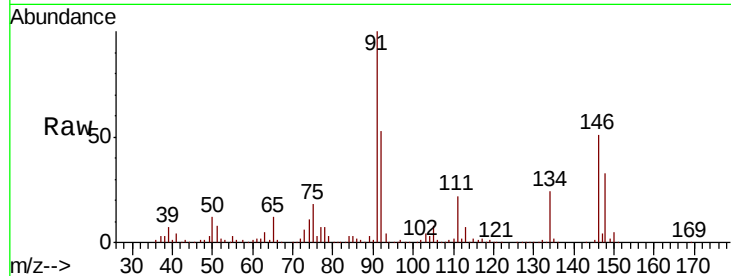
#91
 1,2-Dichlorobenzene
 Concen: 20.707 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX005717.D
 Acq: 31 Oct 2018 20:22

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1031MBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.3	20.0	59.9
148	63.2	32.2	96.6

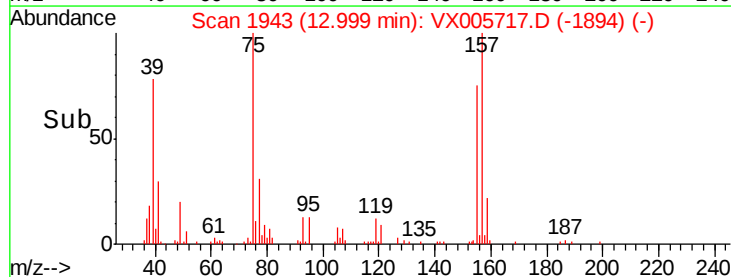
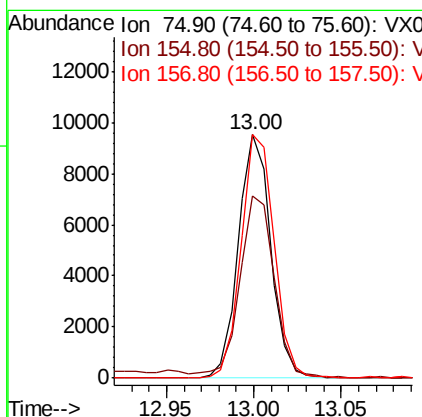
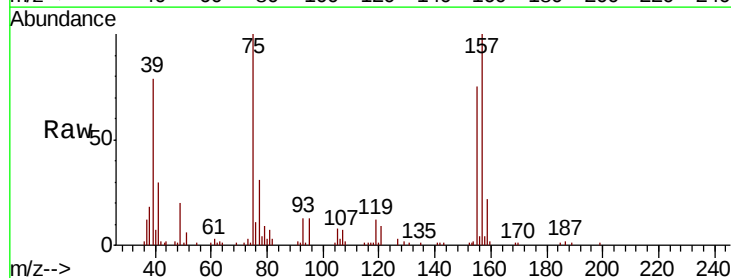
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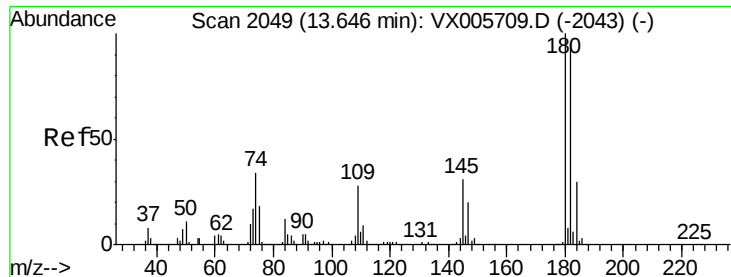
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.618 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX005717.D
 Acq: 31 Oct 2018 20:22

Tgt Ion	Ratio	Lower	Upper
75	100		
155	80.6	45.4	136.1
157	102.3	57.4	172.0





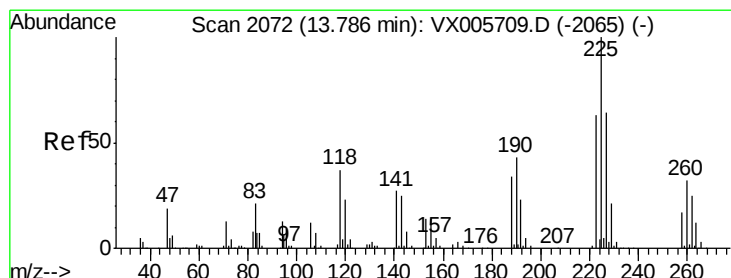
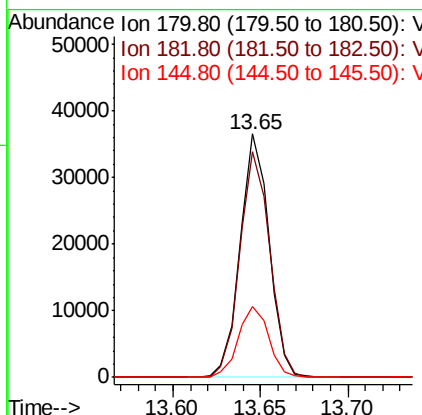
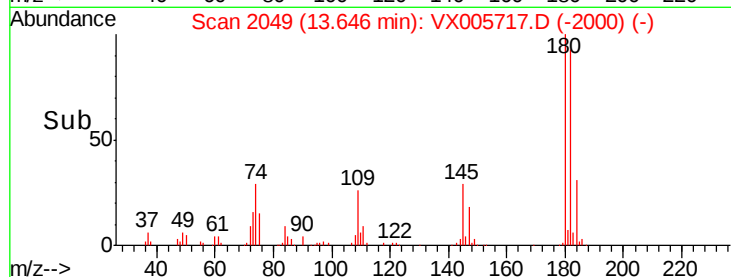
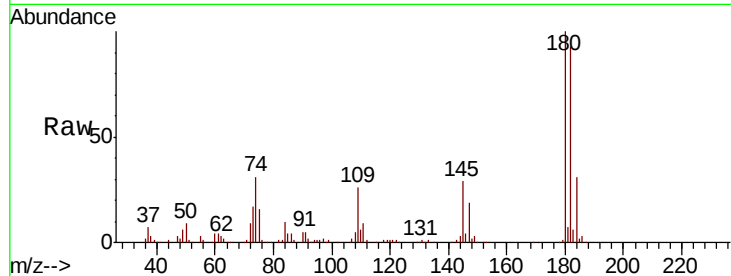
#93
 1,2,4-Trichlorobenzene
 Concen: 21.556 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX005717.D
 Acq: 31 Oct 2018 20:22

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1031MBS01

Tot Ion:	180	Resp:	42194
Ion Ratio	Lower	Upper	
180	100		
182	95.8	47.6	142.8
145	30.7	14.1	42.2

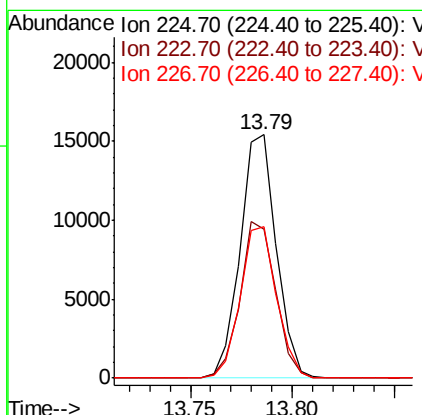
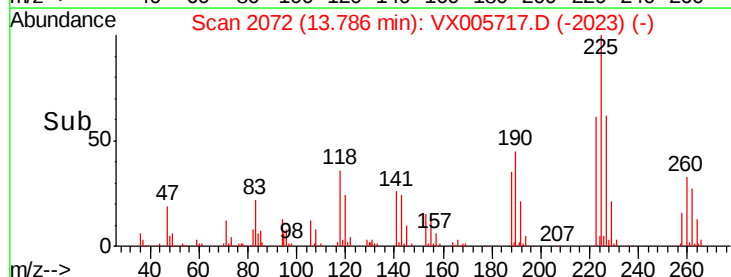
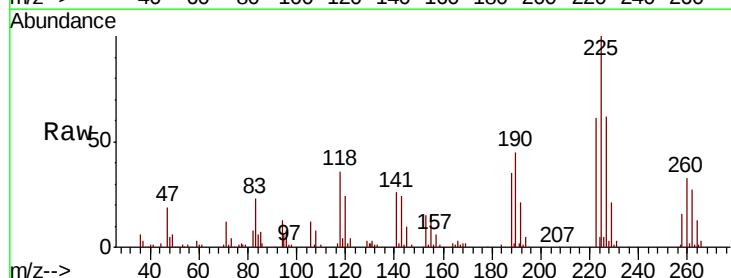
Manual Integrations
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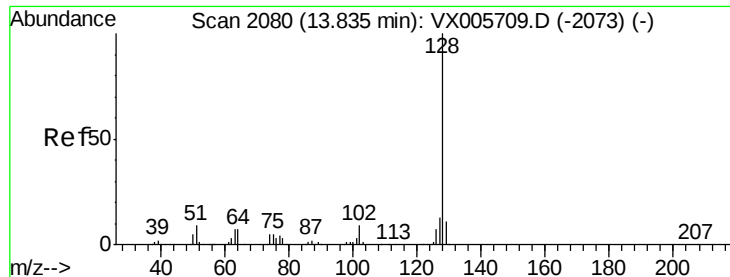
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#94
 Hexachlorobutadiene
 Concen: 20.015 ug/l
 RT: 13.79 min Scan# 2072
 Delta R.T. 0.00 min
 Lab File: VX005717.D
 Acq: 31 Oct 2018 20:22

Tgt Ion:	225	Resp:	18954
Ion Ratio	Lower	Upper	
225	100		
223	63.4	31.7	95.1
227	62.3	32.3	96.9





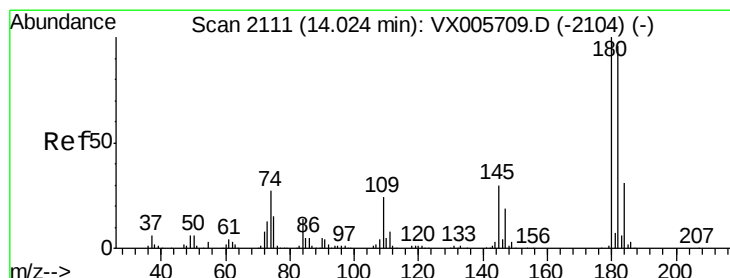
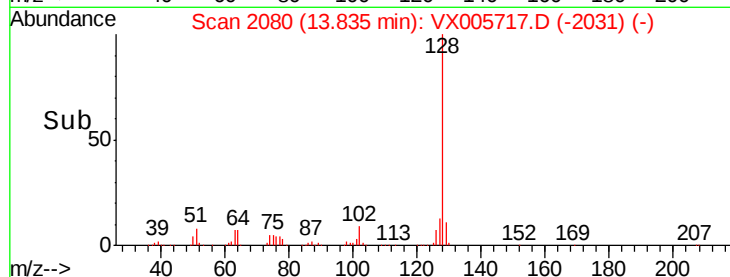
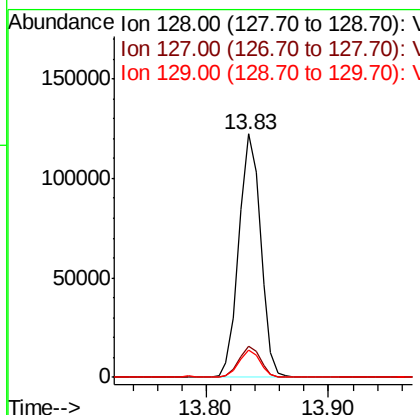
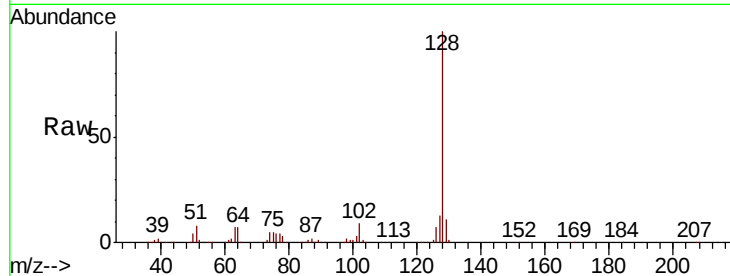
#95
Naphthalene
Concen: 23.378 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX005717.D
Acq: 31 Oct 2018 20:22

Instrument :
MSVOA_X
ClientSampleId :
VX1031MBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.4	15.6
129	11.0	8.7	13.1

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 21.998 ug/l
RT: 14.02 min Scan# 2111
Delta R.T. 0.00 min
Lab File: VX005717.D
Acq: 31 Oct 2018 20:22

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.9	48.0	144.2
145	32.0	15.1	45.3

