

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX110718\
 Data File : VX005827.D
 Acq On : 07 Nov 2018 14:18
 Operator : JC/MD
 Sample : VSTDIC150
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Manual Integrations
 APPROVED

MMDadoda
 11/8/2018 10:35:38 AM

Quant Time: Nov 07 14:40:37 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X110718W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 07 14:13:55 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	122063	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	160894	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	158798	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	87993	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	203246	143.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	287.20%	
35) Dibromofluoromethane	5.50	113	168827	155.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	310.76%	
50) Toluene-d8	8.72	98	545886	150.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	300.12%	
62) 4-Bromofluorobenzene	11.14	95	221977	175.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	350.92%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	165551	150.513	ug/l	97
3) Chloromethane	1.32	50	197335	134.235	ug/l	98
4) Vinyl Chloride	1.41	62	208675	142.762	ug/l	95
5) Bromomethane	1.64	94	139323	158.499	ug/l	93
6) Chloroethane	1.70	64	117903	133.833	ug/l	99
7) Trichlorofluoromethane	1.91	101	268198	137.400	ug/l	100
8) Diethyl Ether	2.19	74	110817	146.346	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.37	101	149996	132.938	ug/l	97
10) Methyl Iodide	2.50	142	217641	165.605	ug/l	95
11) Tert butyl alcohol	3.10	59	314701	791.530	ug/l	98
12) 1,1-Dichloroethene	2.36	96	146901	133.690	ug/l	89
13) Acrolein	2.29	56	152884	940.195	ug/l	93
14) Allyl chloride	2.72	41	337508	138.235	ug/l	95
15) Acrylonitrile	3.16	53	600279	714.946	ug/l	99
16) Acetone	2.45	43	558487	737.045	ug/l	94
17) Carbon Disulfide	2.56	76	462117	142.382	ug/l	96
18) Methyl Acetate	2.78	43	294508	127.821	ug/l	100
19) Methyl tert-butyl Ether	3.20	73	541211	146.383	ug/l	92
20) Methylene Chloride	2.85	84	166300	131.192	ug/l	88
21) trans-1,2-Dichloroethene	3.16	96	159746	138.600	ug/l	93
22) Diisopropyl ether	3.87	45	609042	143.192	ug/l #	93
23) Vinyl Acetate	3.83	43	2691397	742.371	ug/l	100
24) 1,1-Dichloroethane	3.68	63	314002	137.492	ug/l	98
25) 2-Butanone	4.71	43	916633	776.154	ug/l	93
26) 2,2-Dichloropropane	4.57	77	241640	145.548	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	185969	147.608	ug/l	96
28) Bromochloromethane	5.02	49	145983	144.090	ug/l	99
29) Tetrahydrofuran	5.15	42	573761	752.741	ug/l	98
30) Chloroform	5.22	83	305164	138.687	ug/l	93
31) Cyclohexane	5.57	56	301131	154.874	ug/l	97
32) 1,1,1-Trichloroethane	5.49	97	260240	142.384	ug/l	99
36) 1,1-Dichloropropene	5.80	75	238161	154.278	ug/l	99
37) Ethyl Acetate	4.87	43	325431	161.609	ug/l	99
38) Carbon Tetrachloride	5.78	117	234721	151.396	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	259950	168.815	ug/l	94
40) Benzene	6.14	78	695462	154.591	ug/l	96
41) Methacrylonitrile	5.07	41	177845	163.848	ug/l	97
42) 1,2-Dichloroethane	6.20	62	253207	157.677	ug/l	99
43) Isopropyl Acetate	6.46	43	491016	169.789	ug/l	97
44) Trichloroethene	7.21	130	174716	152.589	ug/l	88
45) 1,2-Dichloropropane	7.51	63	169456	155.314	ug/l	96
46) Dibromomethane	7.66	93	108125	158.481	ug/l	97
47) Bromodichloromethane	7.90	83	205958	160.003	ug/l	93
48) Methyl methacrylate	7.78	41	218741	168.153	ug/l	100
49) 1,4-Dioxane	7.76	88	97590	3509.170	ug/l	97
51) 4-Methyl-2-Pentanone	8.66	43	1547900	849.355	ug/l	96
52) Toluene	8.79	92	381156	150.993	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	250510	166.000	ug/l	98
54) cis-1,3-Dichloropropene	8.44	75	252047	163.399	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	168926	149.984	ug/l #	90
56) Ethyl methacrylate	9.18	69	305302	189.024	ug/l	97
57) 1,3-Dichloropropane	9.37	76	286521	151.662	ug/l	93
58) 2-Chloroethyl Vinyl ether	8.32	63	712925	887.798	ug/l	100
59) 2-Hexanone	9.51	43	1408917	883.594	ug/l	98
60) Dibromochloromethane	9.59	129	203511	171.118	ug/l	96
61) 1,2-Dibromoethane	9.68	107	191170	154.221	ug/l	100
64) Tetrachloroethene	9.34	164	180958	131.022	ug/l	90
65) Chlorobenzene	10.14	112	459580	143.408	ug/l	90
66) 1,1,1,2-Tetrachloroethane	10.23	131	171287	155.887	ug/l	99
67) Ethyl Benzene	10.25	91	788734	155.576	ug/l	99
68) m/p-Xylenes	10.37	106	655186	345.170	ug/l	95
69) o-Xylene	10.70	106	283286	165.082	ug/l	100
70) Styrene	10.71	104	486083	173.242	ug/l	99
71) Bromoform	10.86	173	164964	184.813	ug/l	99
73) Isopropylbenzene	11.02	105	769249	151.410	ug/l	99
74) N-amyl acetate	10.90	43	442108	175.409	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	288085	155.122	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	257219m	142.337	ug/l	
77) Bromobenzene	11.26	156	211532	146.993	ug/l	99
78) n-propylbenzene	11.36	91	934984	157.147	ug/l	99
79) 2-Chlorotoluene	11.42	91	551090	152.446	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	688491	161.199	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	96118	175.896	ug/l	94
82) 4-Chlorotoluene	11.51	91	668910	157.968	ug/l	100
83) tert-Butylbenzene	11.77	119	693271	160.285	ug/l	100
84) 1,2,4-Trimethylbenzene	11.81	105	713451	161.409	ug/l	100
85) sec-Butylbenzene	11.95	105	829135	156.029	ug/l	100
86) p-Isopropyltoluene	12.07	119	762170	163.204	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	409760	148.641	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	415591	146.997	ug/l	100
89) n-Butylbenzene	12.39	91	713452	165.197	ug/l	99
90) Hexachloroethane	12.60	117	133658	173.324	ug/l	99
91) 1,2-Dichlorobenzene	12.40	146	417984	151.906	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	78358	177.101	ug/l	98

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VSTDICC150

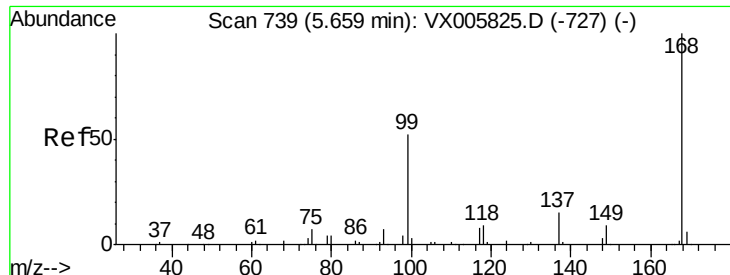
Manual Integrations
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MMDadoda
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	319241	167.691	ug/l	100
94) Hexachlorobutadiene	13.79	225	154816	152.200	ug/l	99
95) Naphthalene	13.83	128	963256	176.325	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	313627	160.426	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.00 min

Lab File: VX005827.D

Acq: 07 Nov 2018 14:18

Instrument :

MSVOA_X

ClientSampled :

VSTDICC150

Tot Ion:168 Resp: 122063

Ion Ratio Lower Upper

168 100

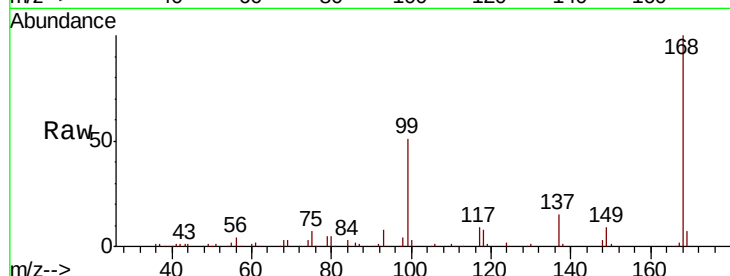
99 50.4 40.7 61.1

Manual Integrations

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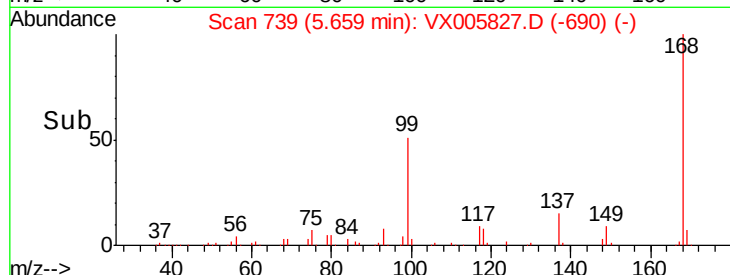


Abundance Ion 167.90 (167.60 to 168.60): V

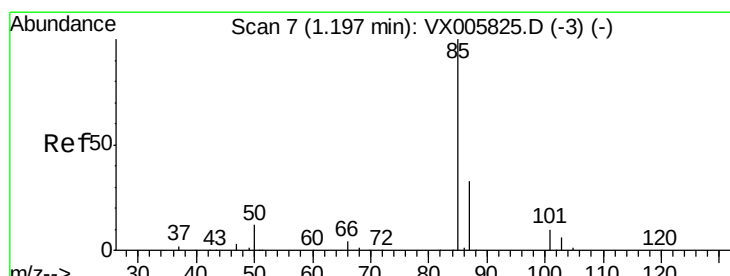
Ion 98.90 (98.60 to 99.60): VX0

5.66

Time-->



Time-->



#2

Dichlorodifluoromethane

Concen: 150.513 ug/l

RT: 1.19 min Scan# 6

Delta R.T. -0.01 min

Lab File: VX005827.D

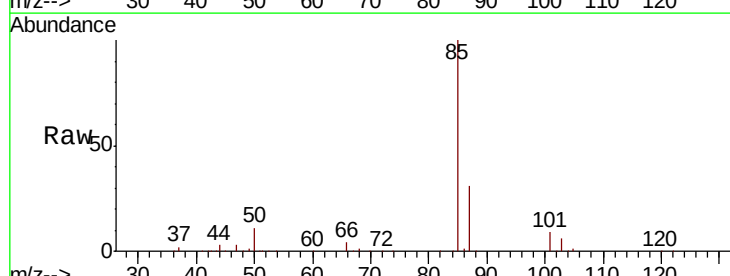
Acq: 07 Nov 2018 14:18

Tgt Ion: 85 Resp: 165551

Ion Ratio Lower Upper

85 100

87 31.1 16.3 48.9

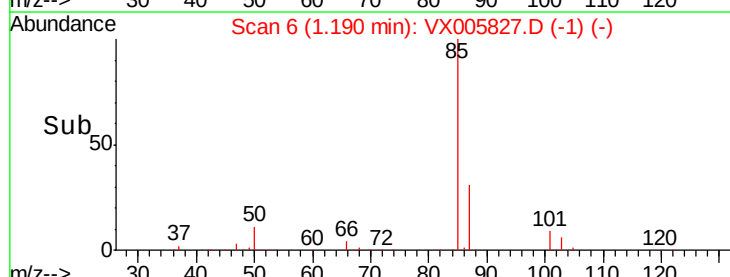


Abundance Ion 84.90 (84.60 to 85.60): VX0

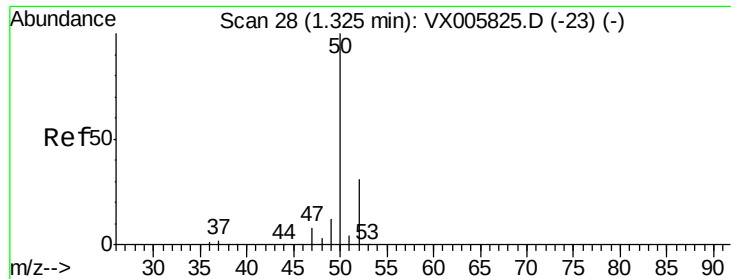
Ion 86.90 (86.60 to 87.60): VX0

1.19

Time-->



Time-->



#3

Chloromethane

Concen: 134.235 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX005827.D

Acq: 07 Nov 2018 14:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC150

Tot Ion: 50 Resp: 197335

Ion Ratio Lower Upper

50 100

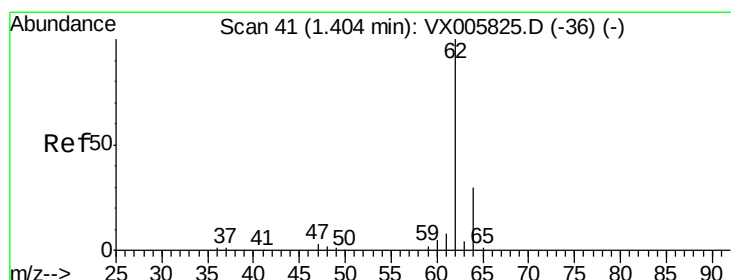
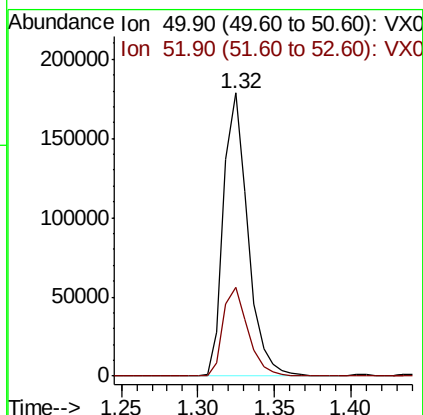
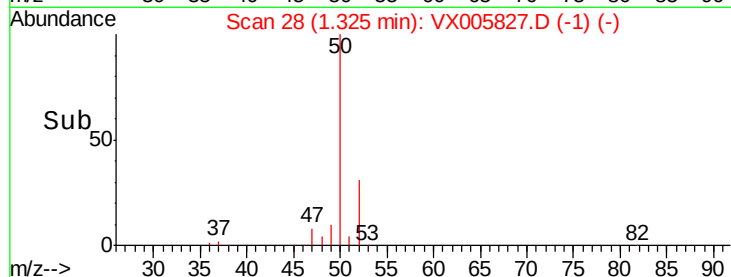
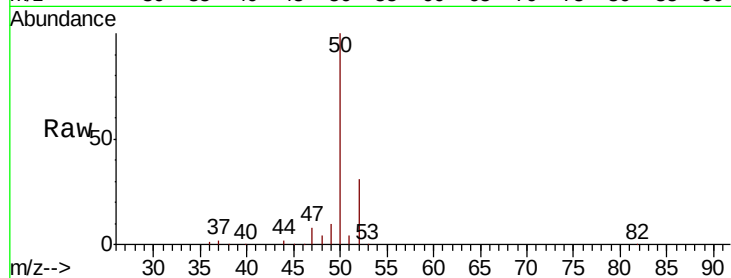
52 31.4 26.2 39.2

Manual Integrations

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#4

Vinyl Chloride

Concen: 142.762 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.01 min

Lab File: VX005827.D

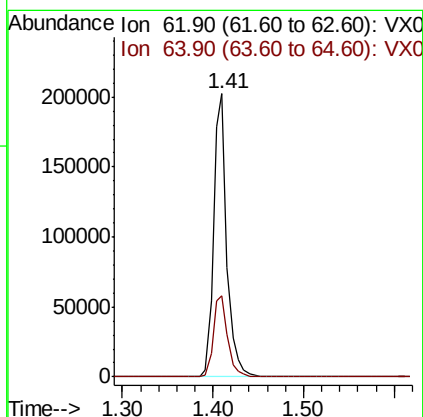
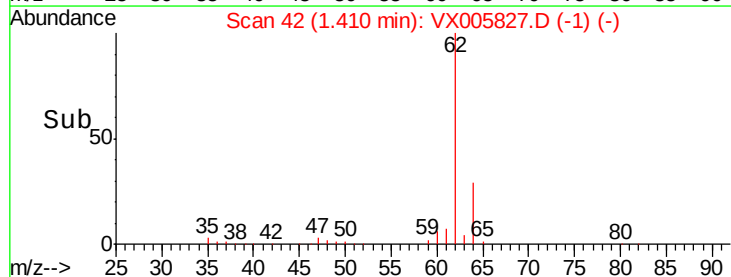
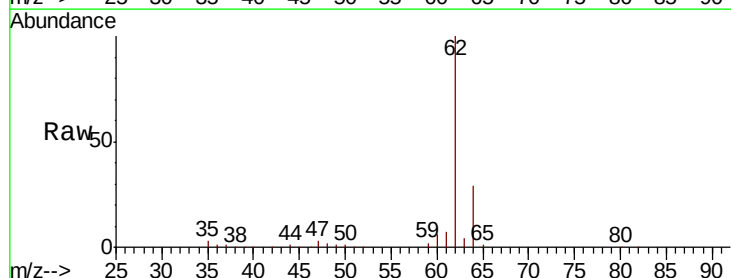
Acq: 07 Nov 2018 14:18

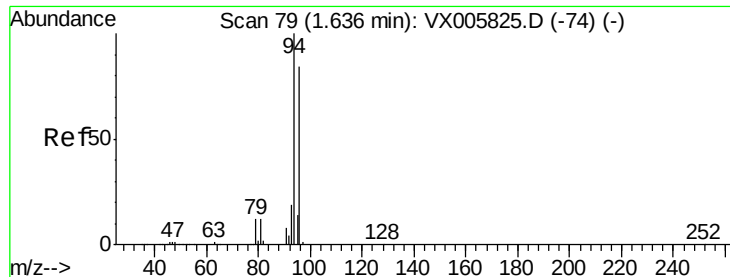
Tgt Ion: 62 Resp: 208675

Ion Ratio Lower Upper

62 100

64 28.8 25.3 37.9





#5

Bromomethane

Concen: 158.499 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX005827.D

Acq: 07 Nov 2018 14:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 94 Resp: 139323

Ion Ratio Lower Upper

94 100

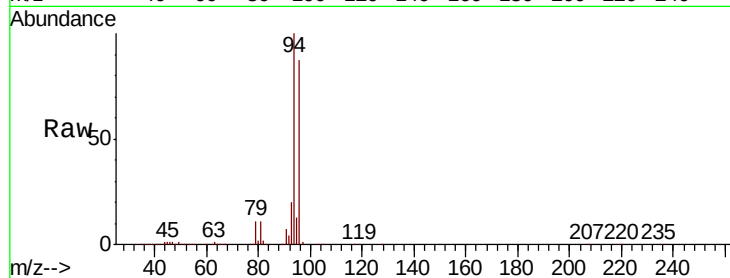
96 87.0 75.2 112.8

Manual Integrations

APPROVED

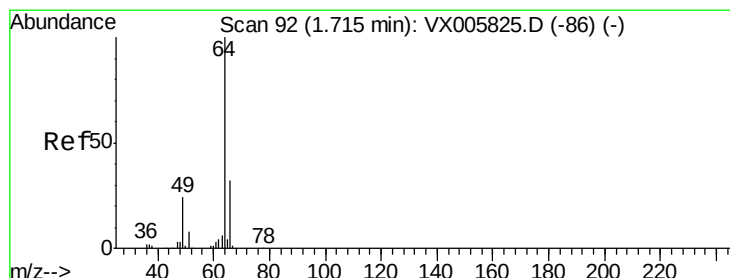
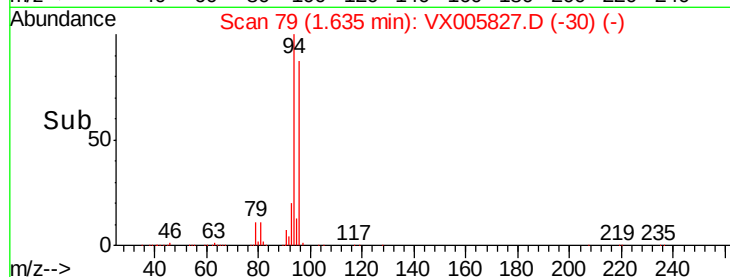
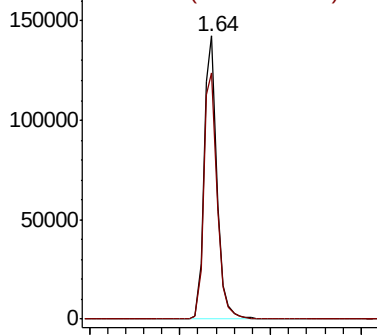
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 133.833 ug/l

RT: 1.70 min Scan# 90

Delta R.T. -0.01 min

Lab File: VX005827.D

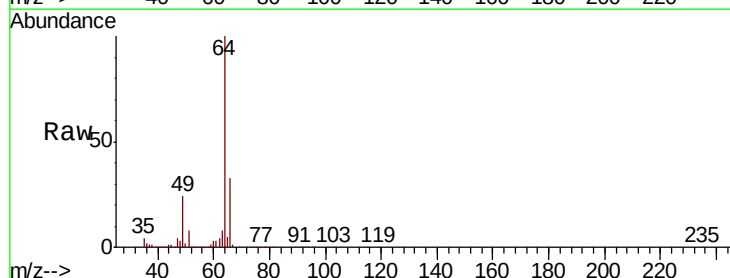
Acq: 07 Nov 2018 14:18

Tgt Ion: 64 Resp: 117903

Ion Ratio Lower Upper

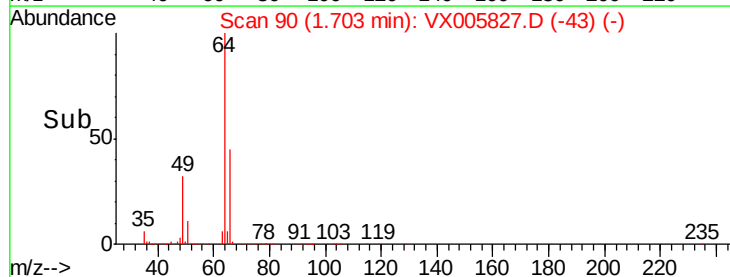
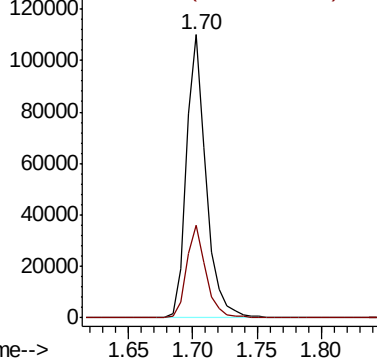
64 100

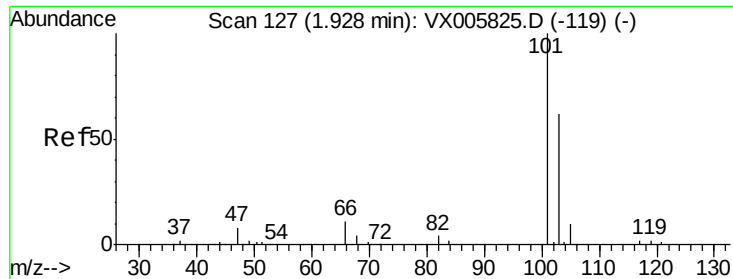
66 32.6 25.8 38.6



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

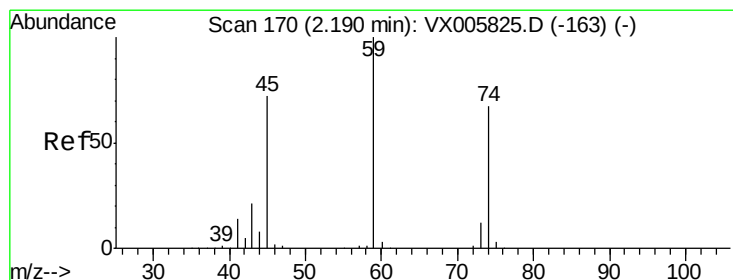
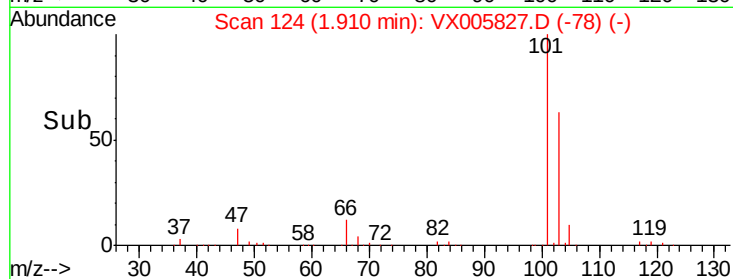
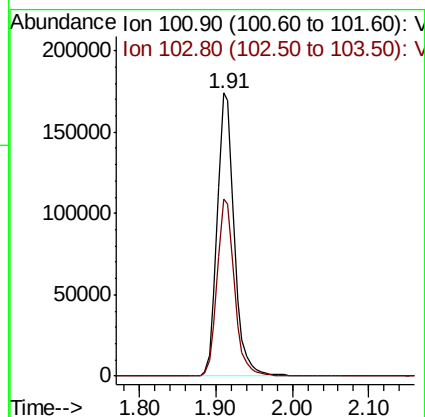
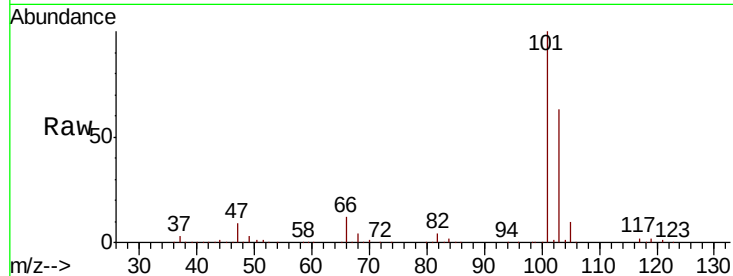
Trichlorofluoromethane
 Concen: 137.400 ug/l
 RT: 1.91 min Scan# 124
 Delta R.T. -0.02 min
 Lab File: VX005827.D
 Acq: 07 Nov 2018 14:18

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Tot Ion	Ratio	Lower	Upper
101	100		
103	62.8	50.0	75.0

Manual Integrations
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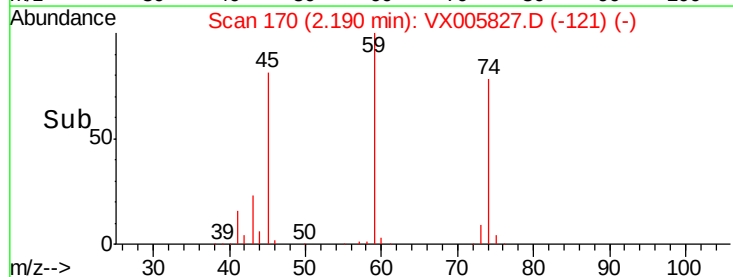
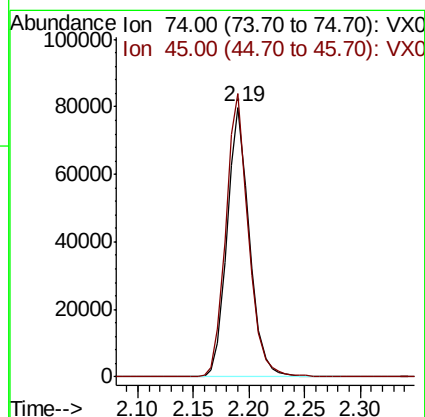
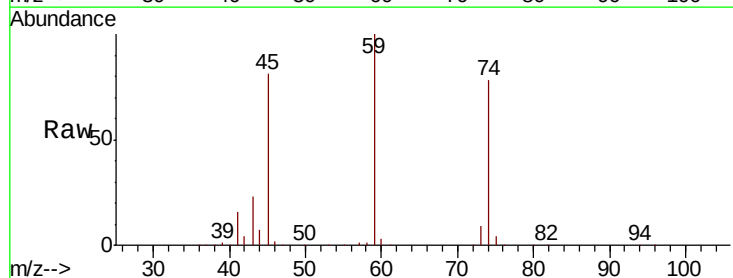
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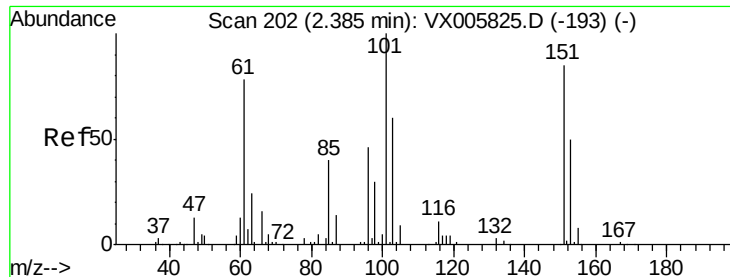


#8

Diethyl Ether
 Concen: 146.346 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. -0.00 min
 Lab File: VX005827.D
 Acq: 07 Nov 2018 14:18

Tgt Ion	Ratio	Lower	Upper
74	100		
45	106.3	54.1	162.3





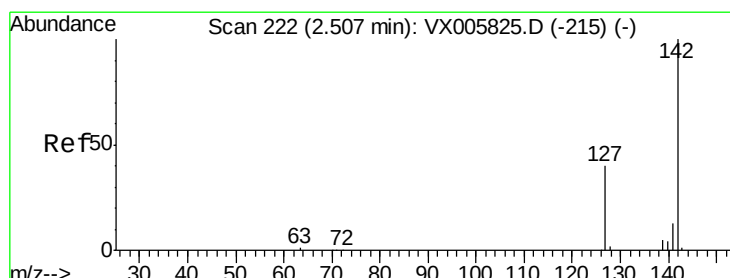
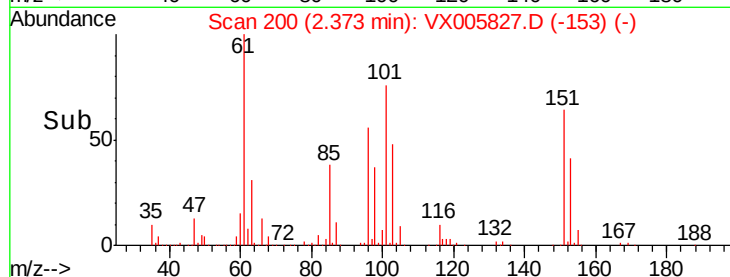
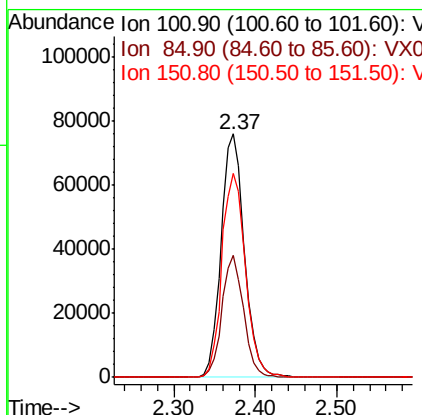
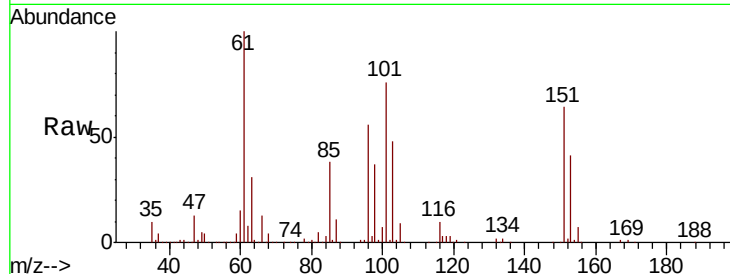
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 132.938 ug/l
 RT: 2.37 min Scan# 200
 Delta R.T. -0.01 min
 Lab File: VX005827.D
 Acq: 07 Nov 2018 14:18

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Tot Ion	Ratio	Resp	Lower	Upper
101	100	149996		
85	46.7	35.0	52.4	
151	84.9	66.2	99.2	

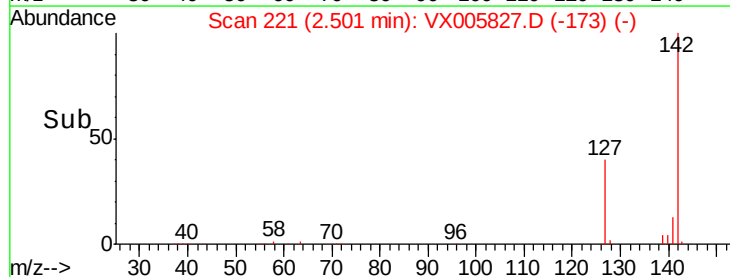
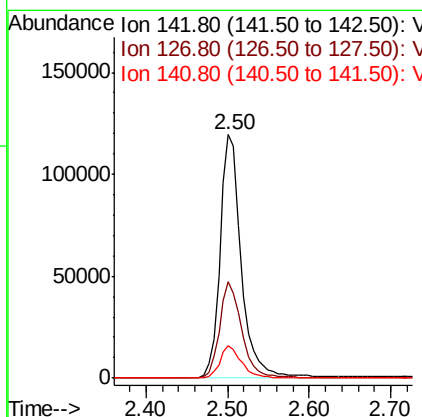
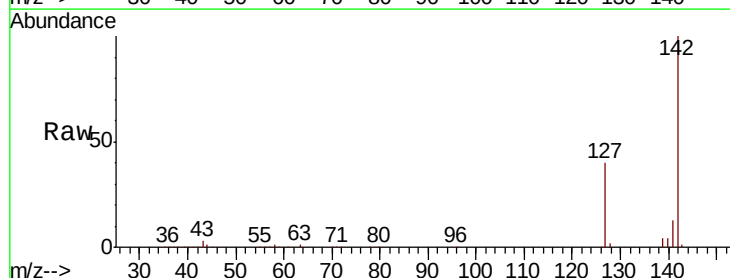
Manual Integrations
 APPROVED

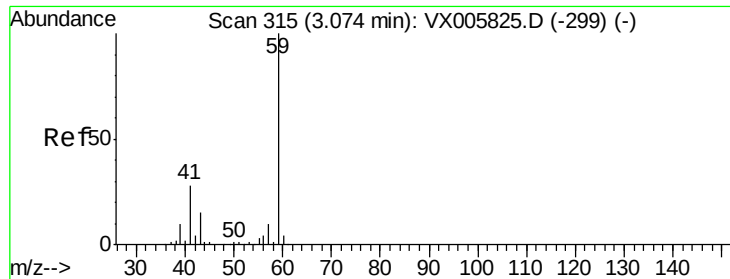
MMDadoda
 11/8/2018 10:35:38 AM



#10
 Methyl Iodide
 Concen: 165.605 ug/l
 RT: 2.50 min Scan# 221
 Delta R.T. -0.01 min
 Lab File: VX005827.D
 Acq: 07 Nov 2018 14:18

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	217641		
127	41.1	36.0	54.0	
141	13.4	11.7	17.5	





#11

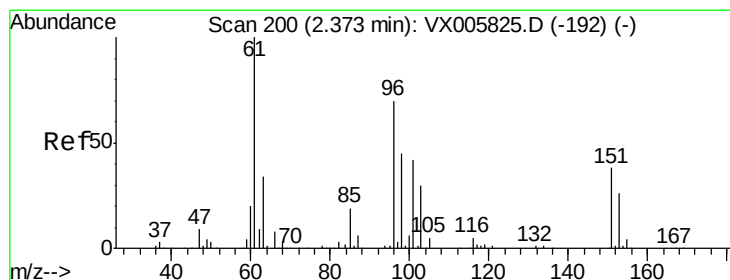
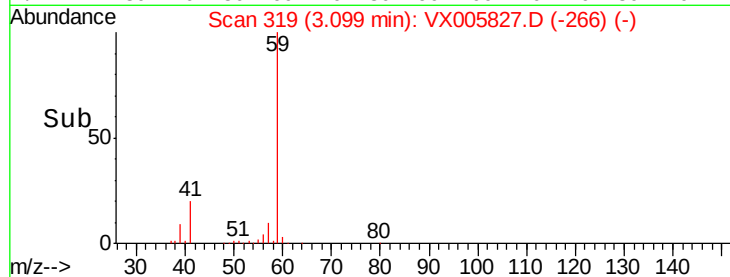
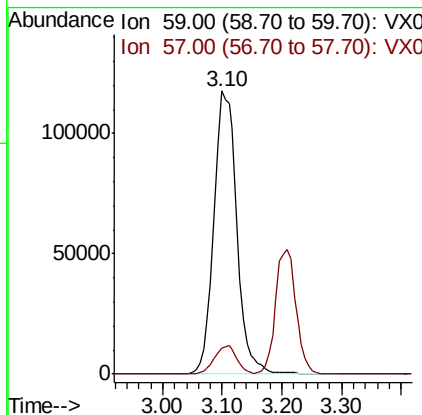
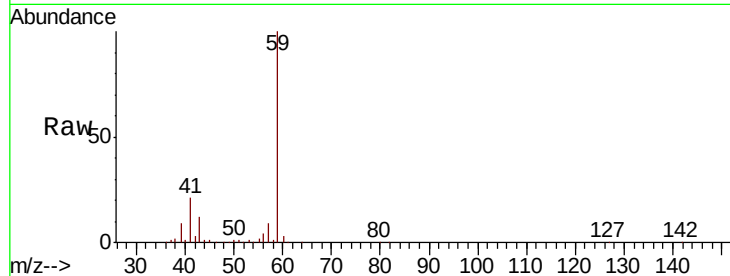
Tert butyl alcohol
 Concen: 791.530 ug/l
 RT: 3.10 min Scan# 319
 Delta R.T. 0.02 min
 Lab File: VX005827.D
 Acq: 07 Nov 2018 14:18

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.8	8.5	12.7

Manual Integrations
 APPROVED

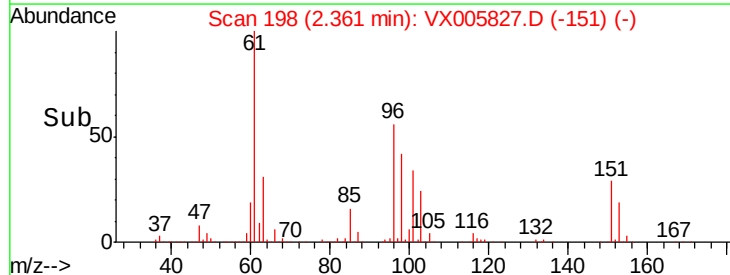
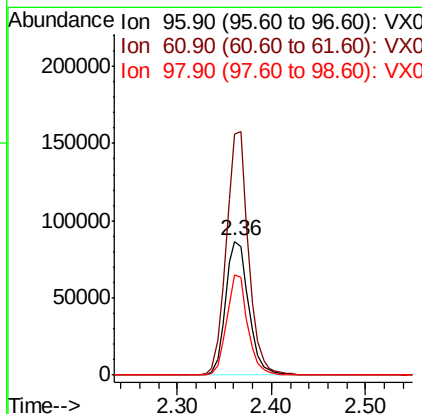
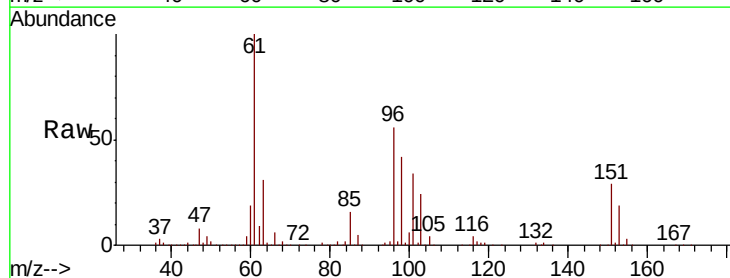
MMDadoda
 11/8/2018 10:35:38 AM

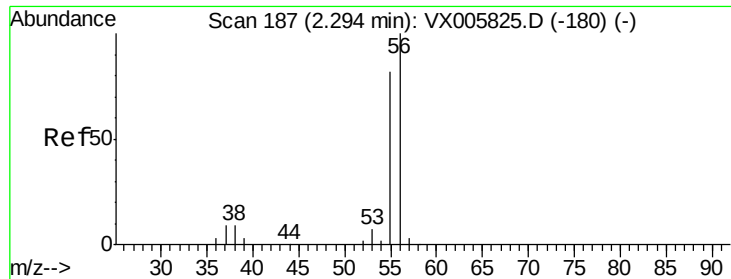


#12

1,1-Dichloroethene
 Concen: 133.690 ug/l
 RT: 2.36 min Scan# 198
 Delta R.T. -0.01 min
 Lab File: VX005827.D
 Acq: 07 Nov 2018 14:18

Tgt Ion	Ratio	Lower	Upper
96	100		
61	179.6	131.8	197.8
98	74.9	53.4	80.2





#13

Acrolein

Concen: 940.195 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX005827.D

Acq: 07 Nov 2018 14:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 56 Resp: 152884

Ion Ratio Lower Upper

56 100

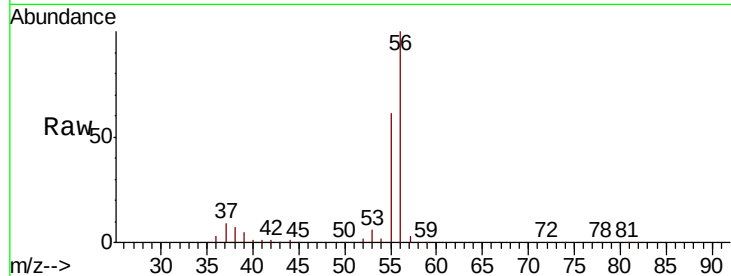
55 65.7 57.3 85.9

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

2.29

100000

80000

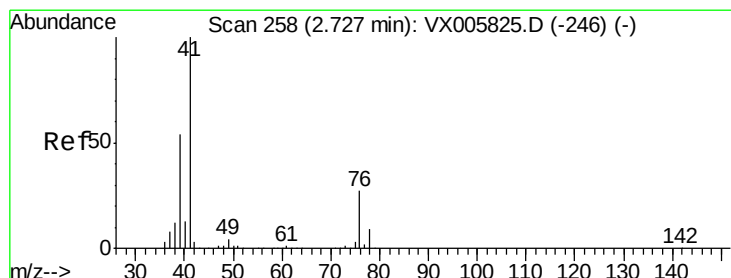
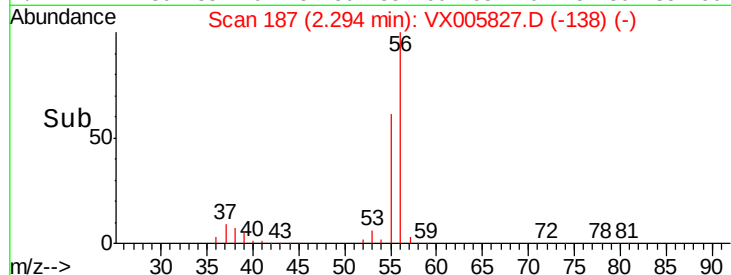
60000

40000

20000

0

Time-->



#14

Allyl chloride

Concen: 138.235 ug/l

RT: 2.72 min Scan# 257

Delta R.T. -0.01 min

Lab File: VX005827.D

Acq: 07 Nov 2018 14:18

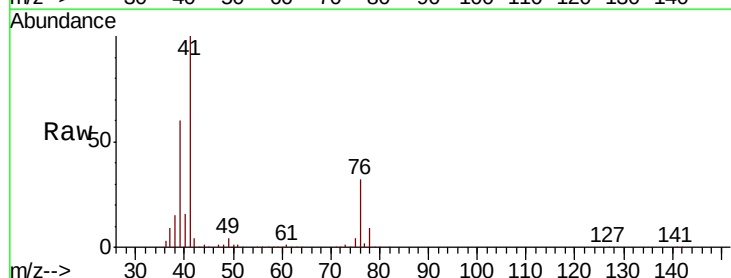
Tgt Ion: 41 Resp: 337508

Ion Ratio Lower Upper

41 100

39 56.5 48.2 72.4

76 30.6 21.9 32.9



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0

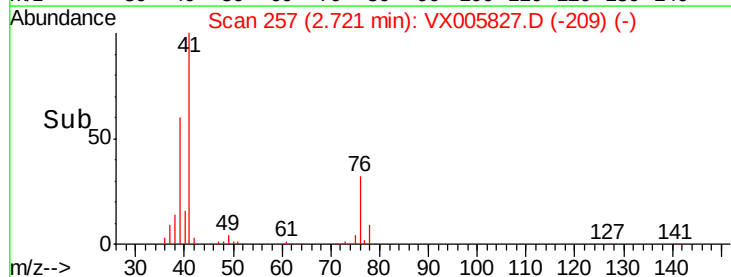
300000

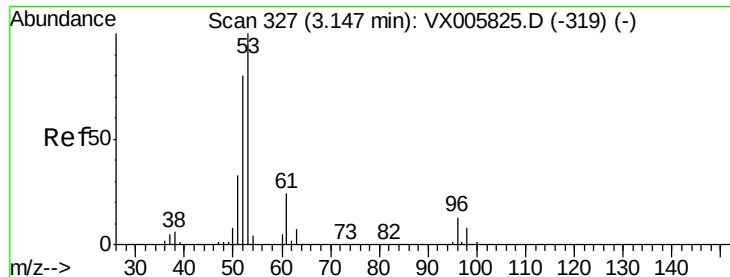
200000

100000

0

Time-->





#15

Acrylonitrile

Concen: 714.946 ug/l

RT: 3.16 min Scan# 329

Delta R.T. 0.01 min

Lab File: VX005827.D

Acq: 07 Nov 2018 14:18

Instrument :

MSVOA_X

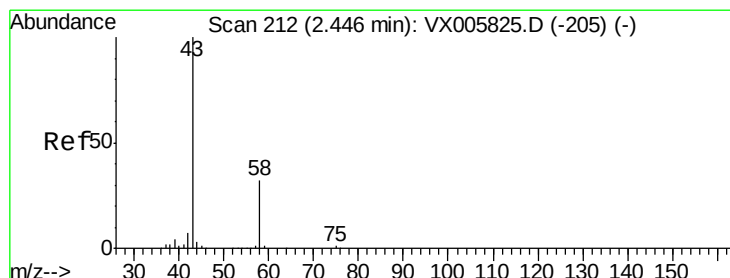
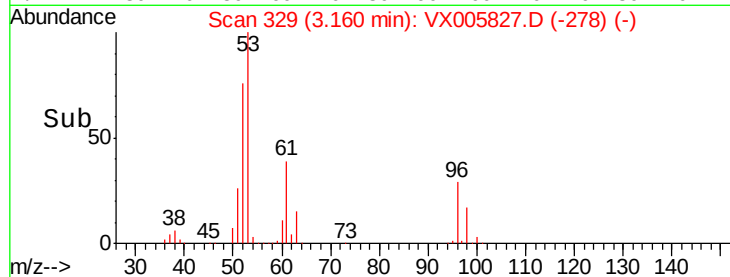
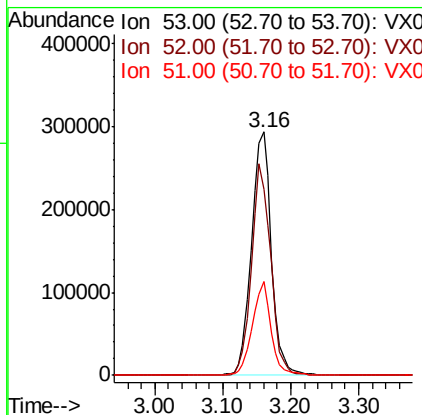
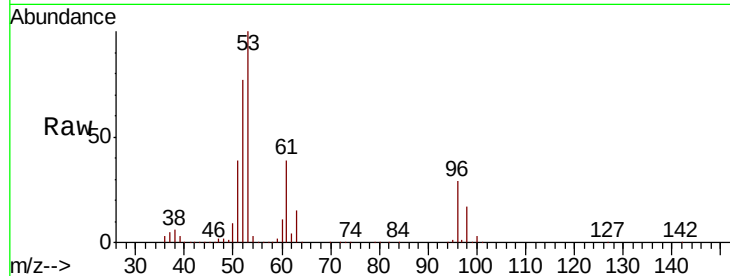
ClientSampleId :

VSTDIC150

Tot Ion:	53	Resp:	600279
Ion Ratio		Lower	Upper
53	100		
52	83.7	66.6	99.8
51	36.7	28.4	42.6

Manual Integrations
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MMDadoda
11/8/2018 10:35:38 AM



#16

Acetone

Concen: 737.045 ug/l

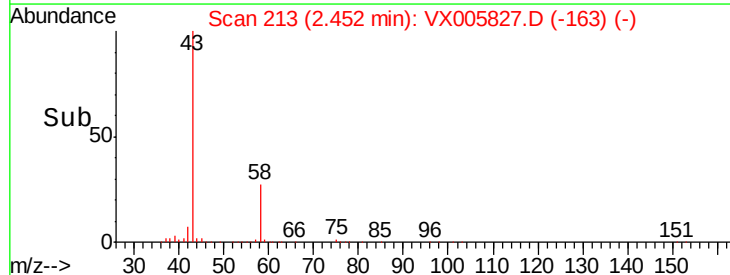
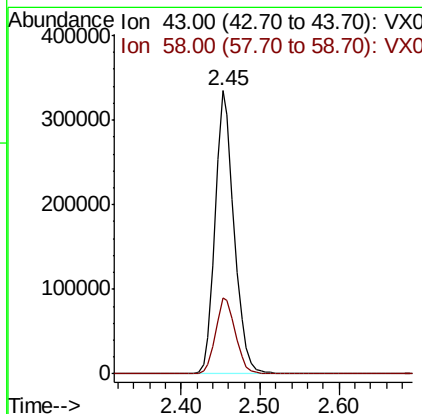
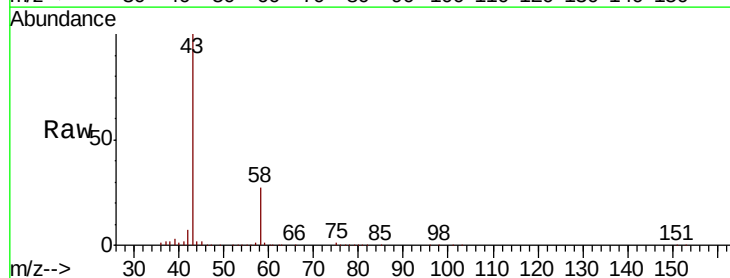
RT: 2.45 min Scan# 213

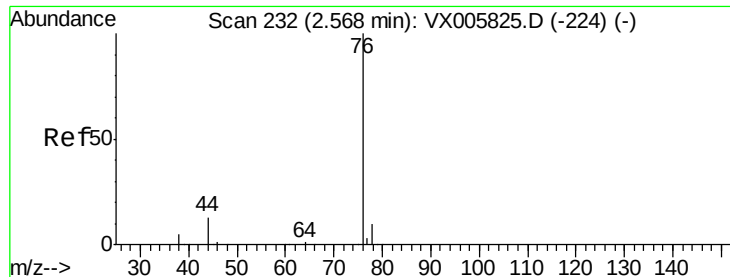
Delta R.T. 0.01 min

Lab File: VX005827.D

Acq: 07 Nov 2018 14:18

Tgt Ion:	43	Resp:	558487
Ion Ratio		Lower	Upper
43	100		
58	26.7	23.8	35.6





#17

Carbon Disulfide

Concen: 142.382 ug/l

RT: 2.56 min Scan# 230

Delta R.T. -0.01 min

Lab File: VX005827.D

Acq: 07 Nov 2018 14:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC150

Tot Ion: 76 Resp: 462117

Ion Ratio Lower Upper

76 100

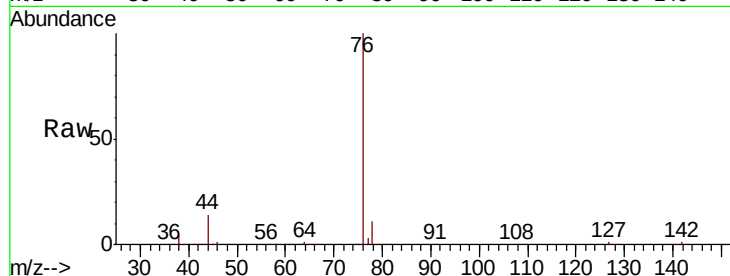
78 10.5 7.3 10.9

Manual Integrations

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11/8/2018 10:35:38 AM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.56

250000

200000

150000

100000

50000

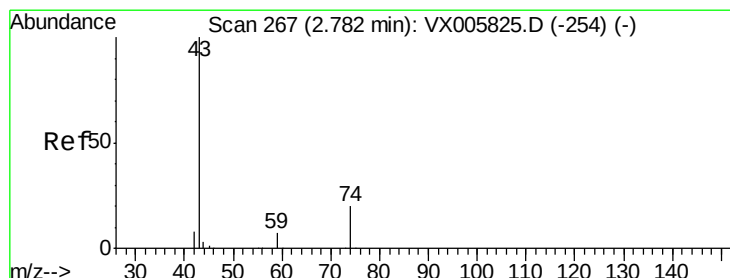
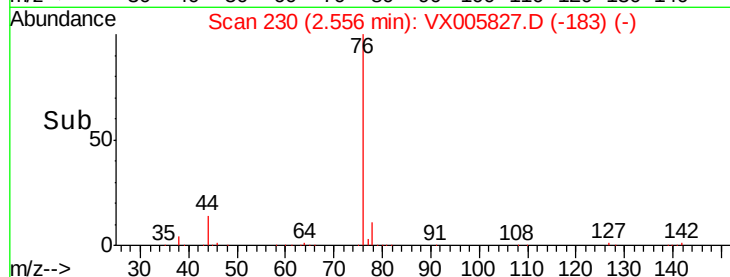
0

Time-->

2.50

2.60

2.70



#18

Methyl Acetate

Concen: 127.821 ug/l

RT: 2.78 min Scan# 267

Delta R.T. -0.00 min

Lab File: VX005827.D

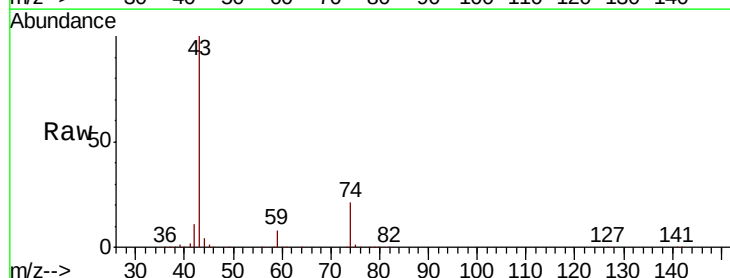
Acq: 07 Nov 2018 14:18

Tgt Ion: 43 Resp: 294508

Ion Ratio Lower Upper

43 100

74 20.9 16.8 25.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.78

200000

150000

100000

50000

0

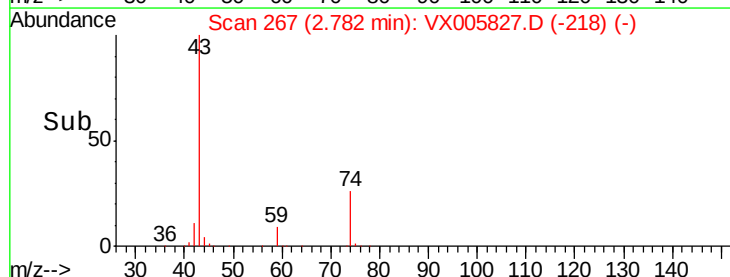
Time-->

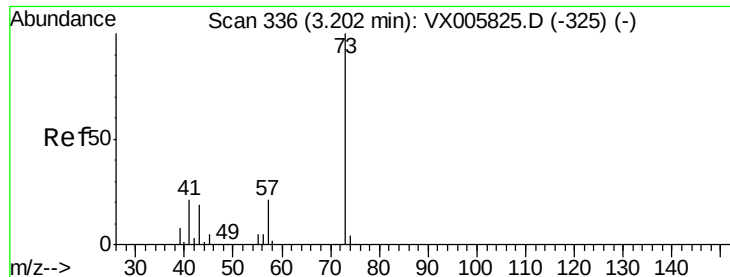
2.70

2.75

2.80

2.85





#19

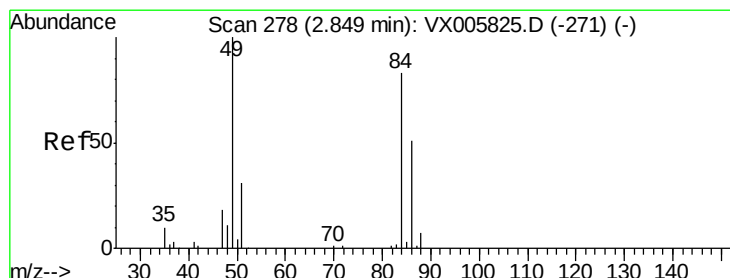
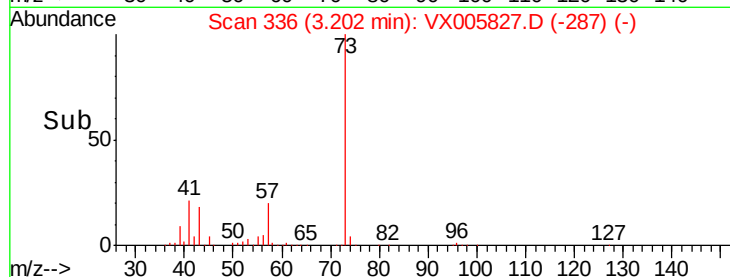
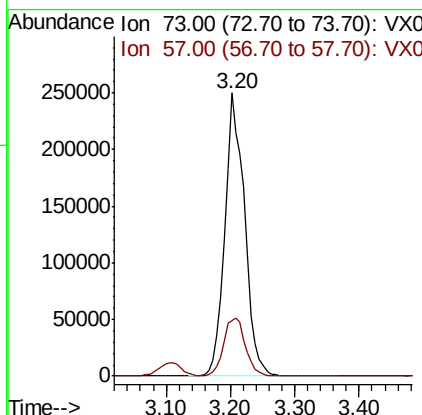
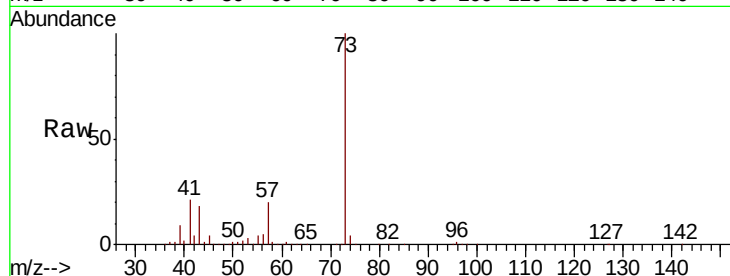
Methyl tert-butyl Ether
 Concen: 146.383 ug/l
 RT: 3.20 min Scan# 336
 Delta R.T. -0.00 min
 Lab File: VX005827.D
 Acq: 07 Nov 2018 14:18

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
73	100		
57	19.8	18.8	28.2

Manual Integrations
 APPROVED

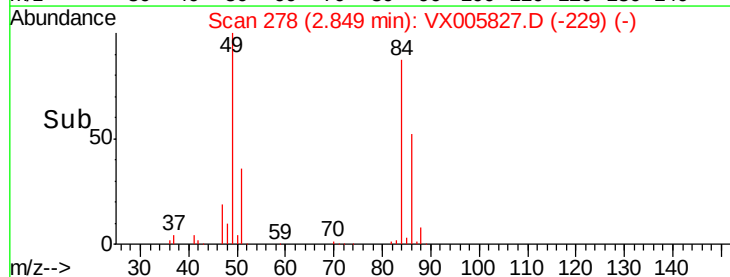
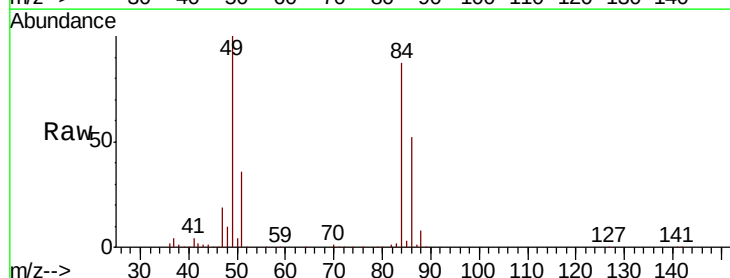
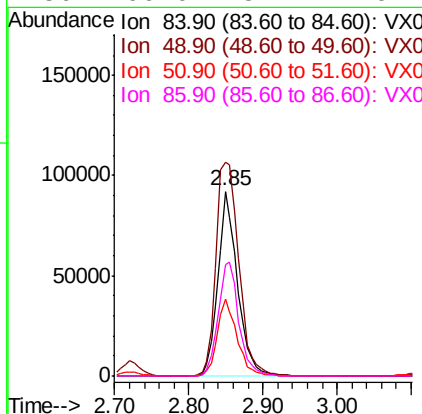
MMDadoda
 11/8/2018 10:35:38 AM

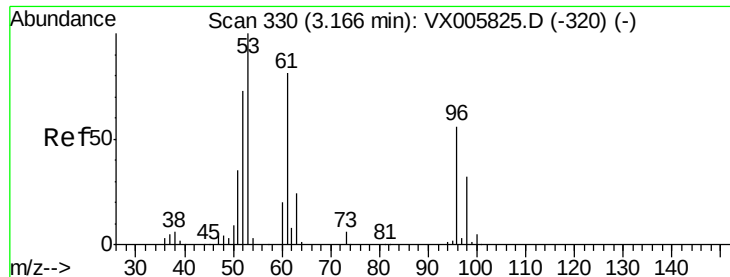


#20

Methylene Chloride
 Concen: 131.192 ug/l
 RT: 2.85 min Scan# 278
 Delta R.T. -0.00 min
 Lab File: VX005827.D
 Acq: 07 Nov 2018 14:18

Tgt Ion	Ratio	Lower	Upper
84	100		
49	115.6	109.5	164.3
51	41.2	33.3	49.9
86	60.0	52.7	79.1





#21

trans-1,2-Dichloroethene

Concen: 138.600 ug/l

RT: 3.16 min Scan# 329

Delta R.T. -0.01 min

Lab File: VX005827.D

Acq: 07 Nov 2018 14:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 96 Resp: 159746

Ion Ratio Lower Upper

96 100

61 134.5 115.6 173.4

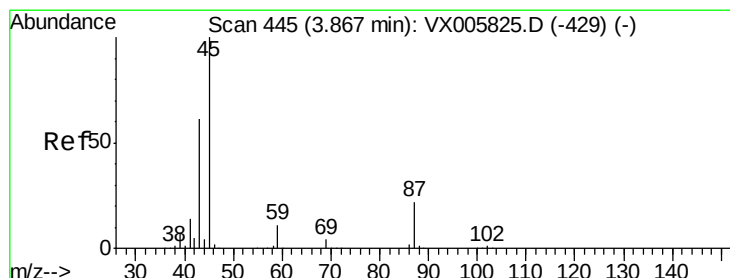
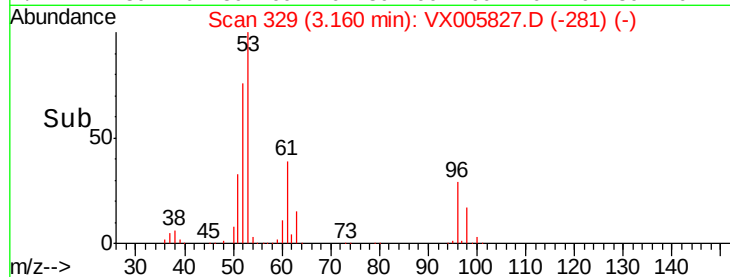
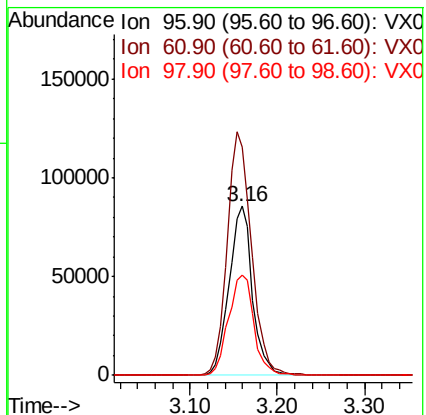
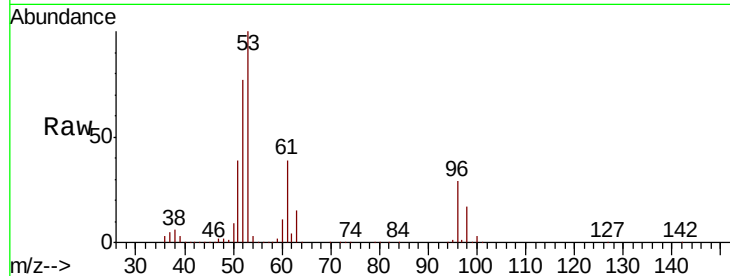
98 59.6 50.2 75.2

Manual Integrations

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MMDadoda

11/8/2018 10:35:38 AM



#22

Diisopropyl ether

Concen: 143.192 ug/l

RT: 3.87 min Scan# 446

Delta R.T. 0.01 min

Lab File: VX005827.D

Acq: 07 Nov 2018 14:18

Tgt Ion: 45 Resp: 609042

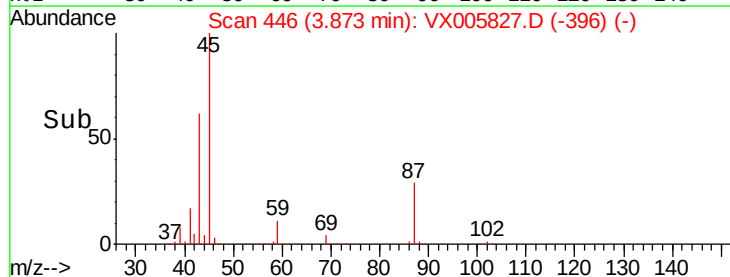
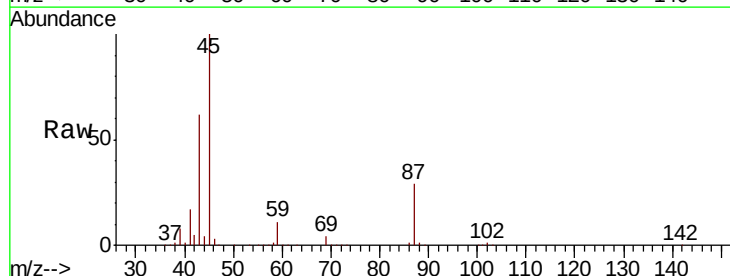
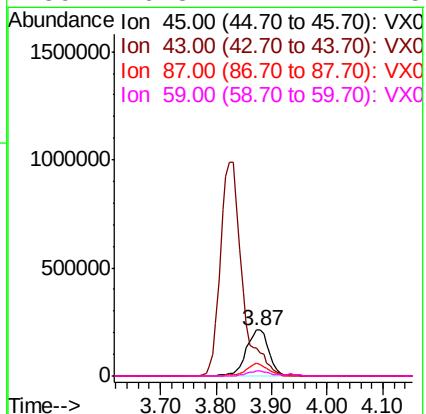
Ion Ratio Lower Upper

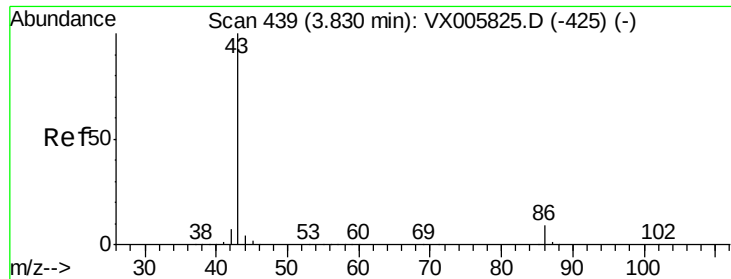
45 100

43 62.1 47.4 71.2

87 28.8 15.9 23.9#

59 10.8 7.7 11.5





#23

Vinyl Acetate

Concen: 742.371 ug/l

RT: 3.83 min Scan# 439

Delta R.T. -0.00 min

Lab File: VX005827.D

Acq: 07 Nov 2018 14:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 2691397

Ion Ratio Lower Upper

43 100

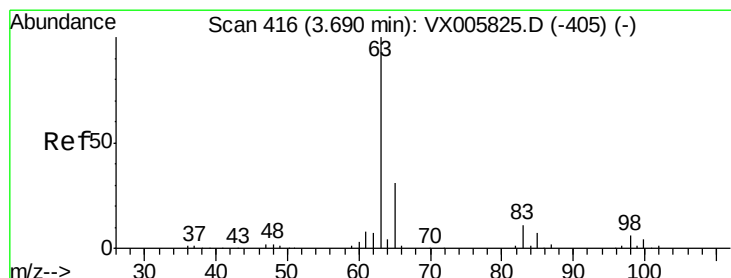
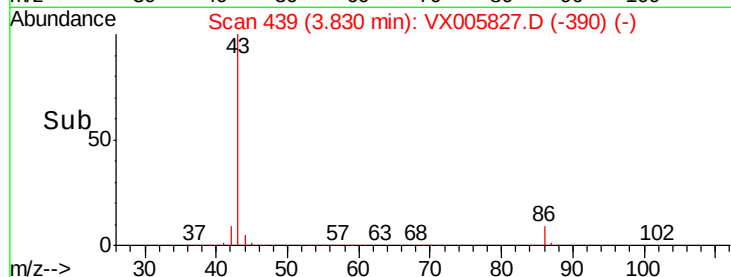
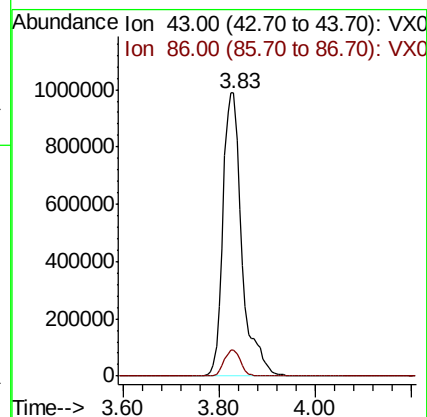
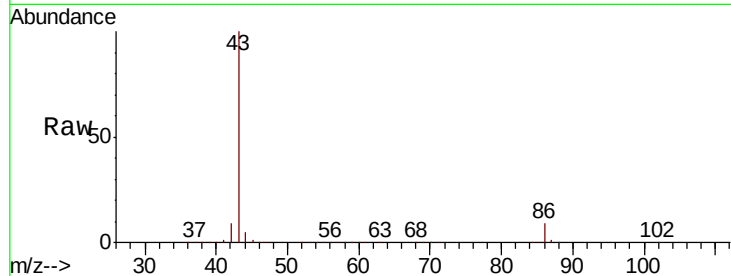
86 9.4 7.4 11.2

Manual Integrations

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MMDadoda

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#24

1,1-Dichloroethane

Concen: 137.492 ug/l

RT: 3.68 min Scan# 415

Delta R.T. -0.01 min

Lab File: VX005827.D

Acq: 07 Nov 2018 14:18

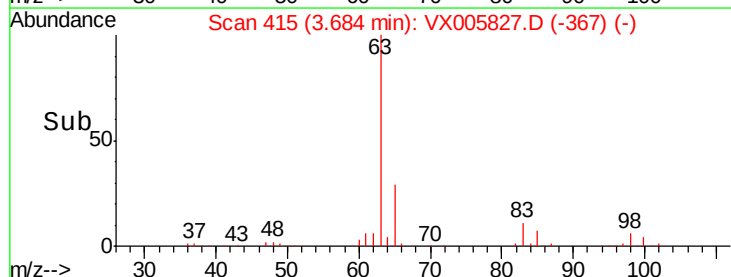
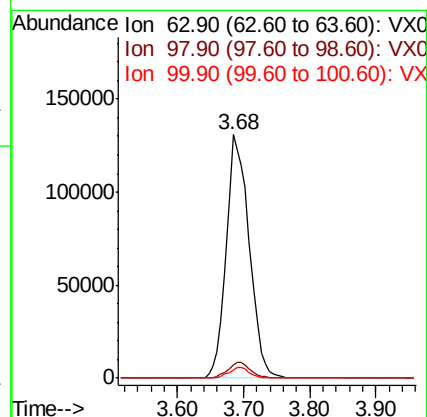
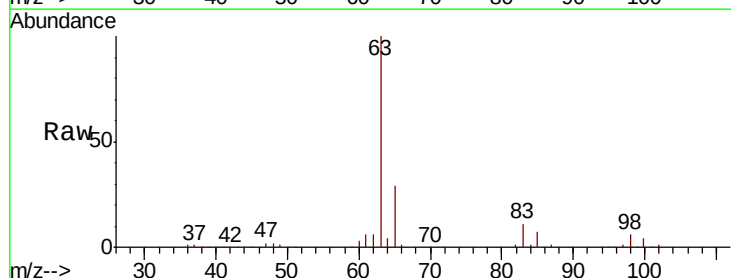
Tgt Ion: 63 Resp: 314002

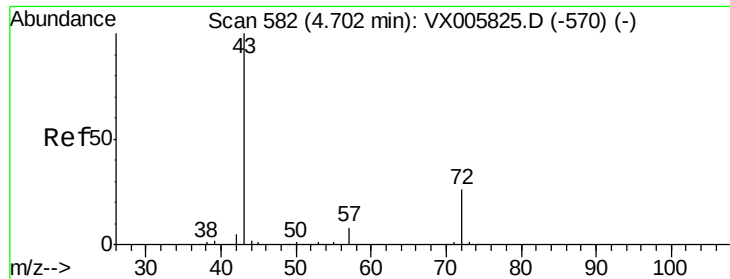
Ion Ratio Lower Upper

63 100

98 5.6 3.2 9.6

100 3.5 2.1 6.2





#25

2-Butanone

Concen: 776.154 ug/l

RT: 4.71 min Scan# 583

Delta R.T. 0.01 min

Lab File: VX005827.D

Acq: 07 Nov 2018 14:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 916633

Ion Ratio Lower Upper

43 100

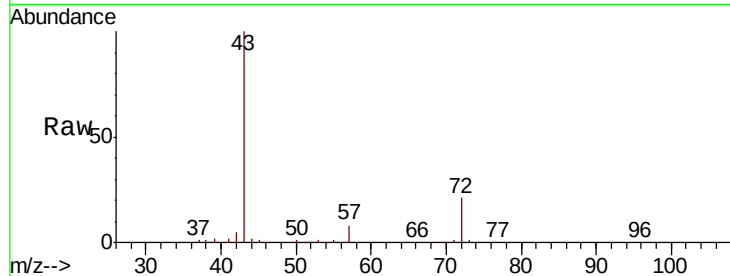
72 20.5 19.2 28.8

Manual Integrations

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11/8/2018 10:35:38 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

4.71

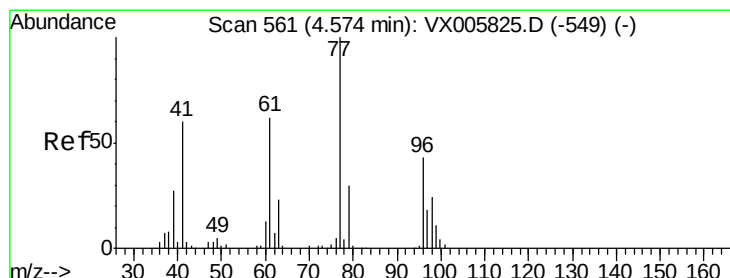
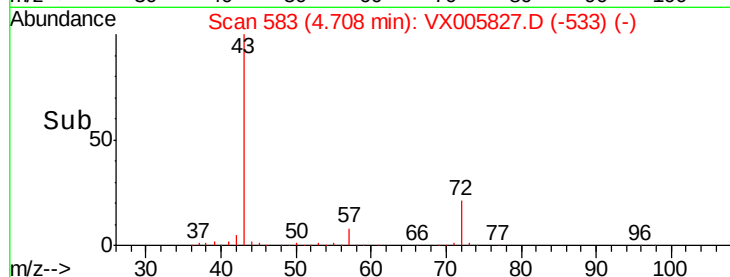
300000

200000

100000

0

Time-->



#26

2,2-Dichloropropane

Concen: 145.548 ug/l

RT: 4.57 min Scan# 561

Delta R.T. -0.00 min

Lab File: VX005827.D

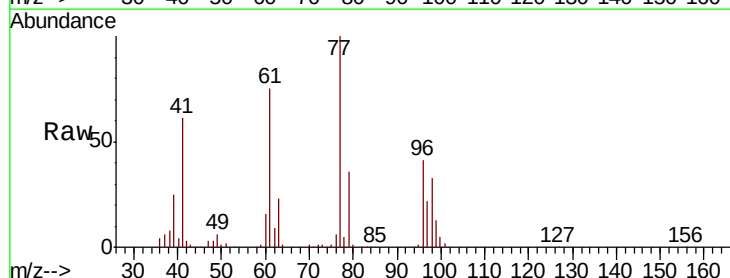
Acq: 07 Nov 2018 14:18

Tgt Ion: 77 Resp: 241640

Ion Ratio Lower Upper

77 100

97 23.2 11.5 34.5



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

4.57

80000

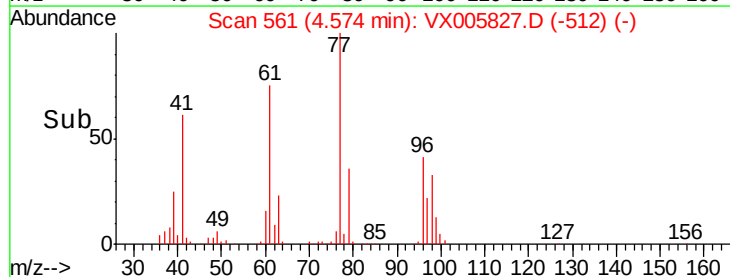
60000

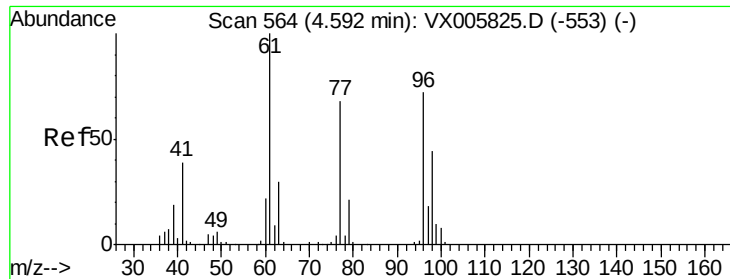
40000

20000

0

Time-->





#27

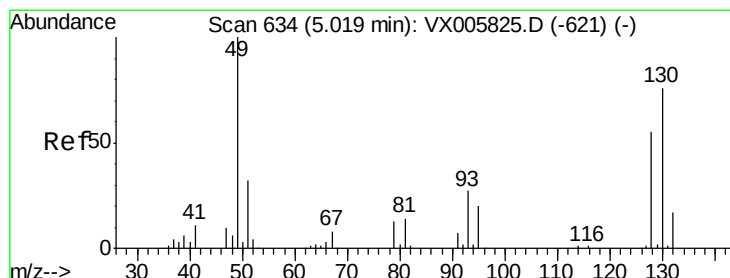
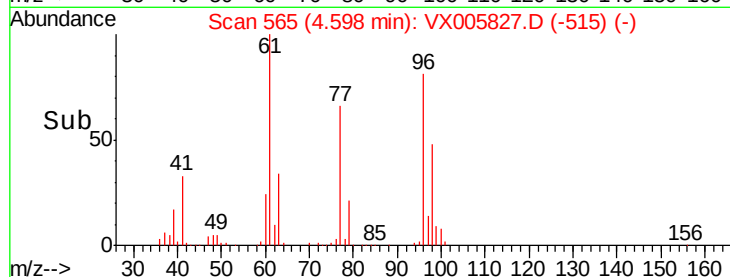
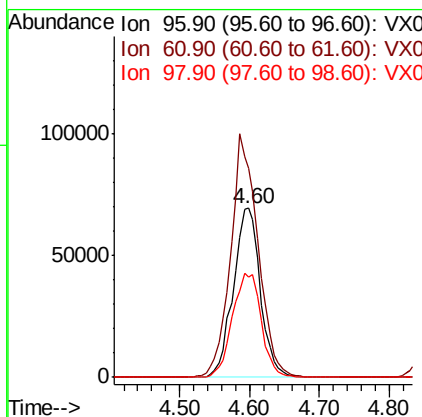
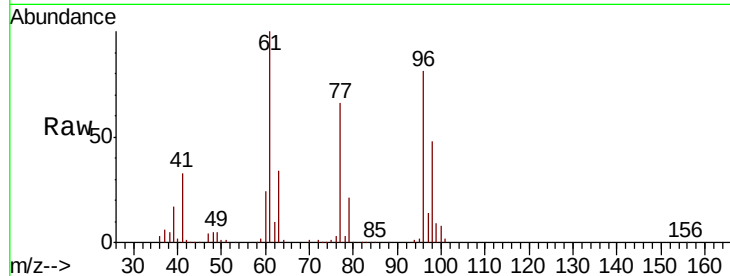
cis-1,2-Dichloroethene
Concen: 147.608 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.01 min
Lab File: VX005827.D
Acq: 07 Nov 2018 14:18

Instrument :
MSVOA_X
ClientSampled :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	145.7	0.0	304.6	
98	65.6	0.0	127.4	

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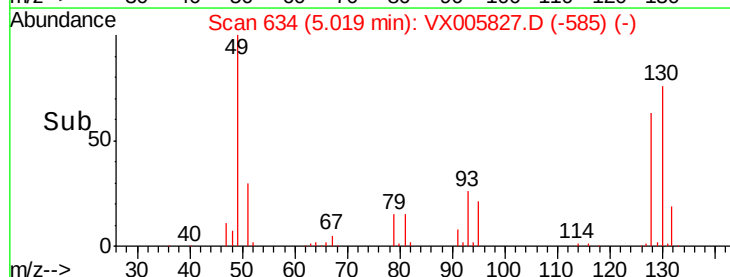
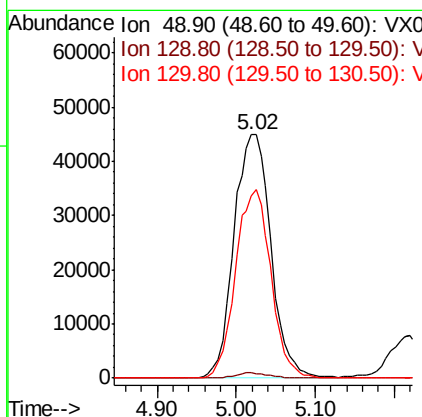
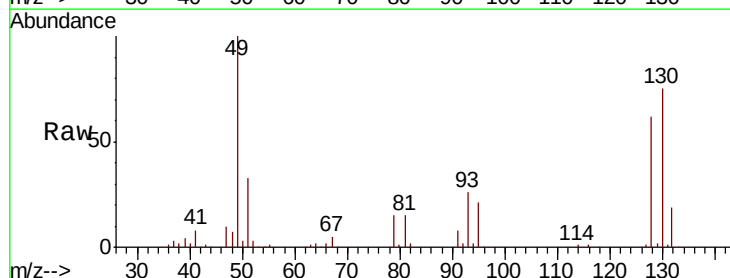
MMDadoda
11/8/2018 10:35:38 AM

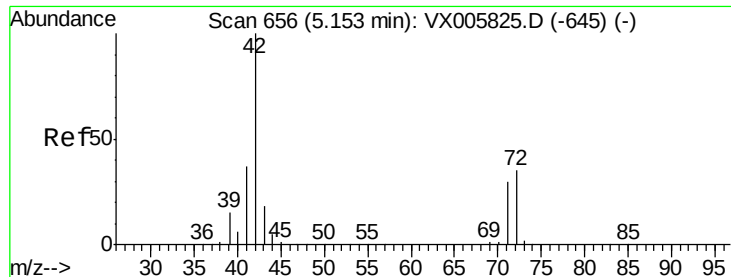


#28

Bromochloromethane
Concen: 144.090 ug/l
RT: 5.02 min Scan# 634
Delta R.T. -0.00 min
Lab File: VX005827.D
Acq: 07 Nov 2018 14:18

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.0	0.0	4.0	
130	74.0	58.9	88.3	





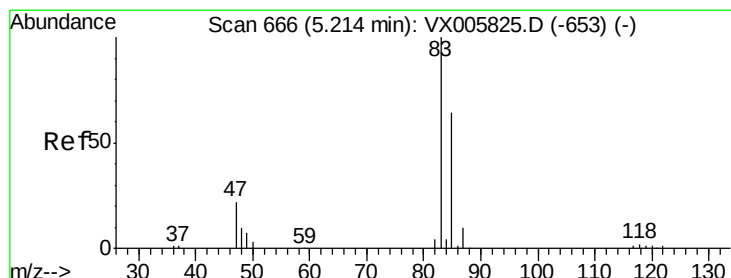
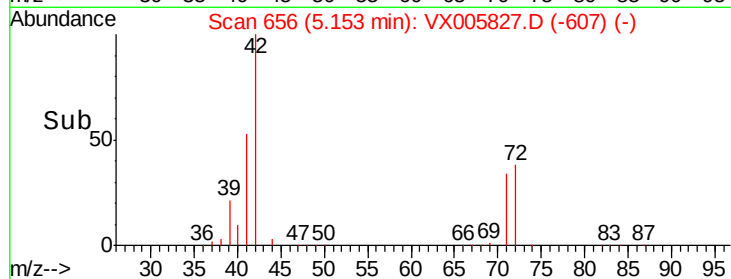
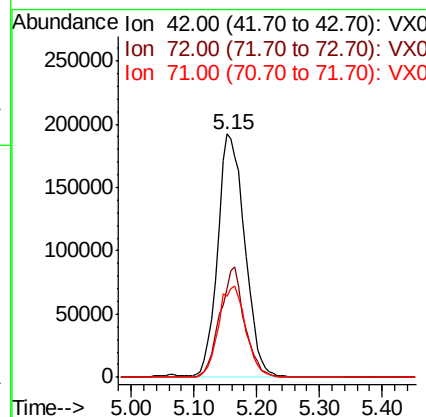
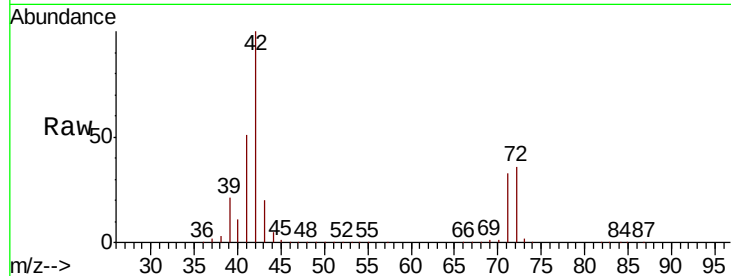
#29
Tetrahydrofuran
Concen: 752.741 ug/l
RT: 5.15 min Scan# 656
Delta R.T. -0.00 min
Lab File: VX005827.D
Acq: 07 Nov 2018 14:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.7	32.0	48.0
71	37.7	29.8	44.8

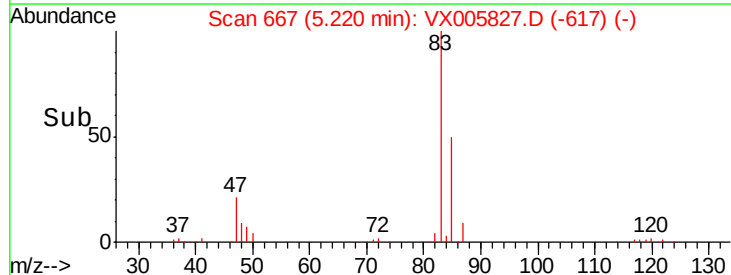
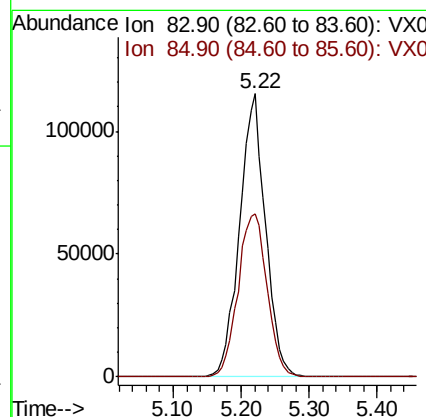
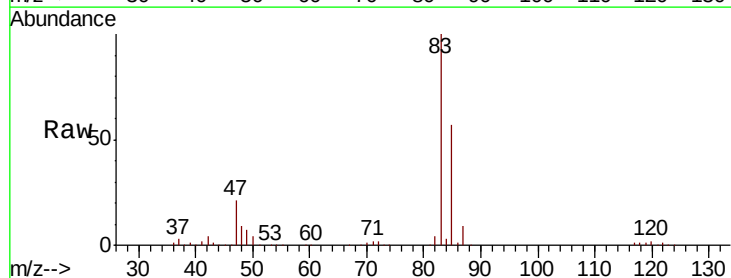
Manual Integrations
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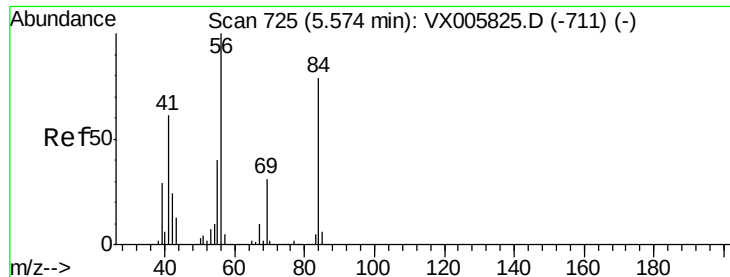
MMDadoda
11/8/2018 10:35:38 AM



#30
Chloroform
Concen: 138.687 ug/l
RT: 5.22 min Scan# 667
Delta R.T. 0.01 min
Lab File: VX005827.D
Acq: 07 Nov 2018 14:18

Tgt Ion	Ratio	Lower	Upper
83	100		
85	57.5	50.6	76.0





#31

Cyclohexane

Concen: 154.874 ug/l

RT: 5.57 min Scan# 725

Delta R.T. -0.00 min

Lab File: VX005827.D

Acq: 07 Nov 2018 14:18

Instrument :

MSVOA_X

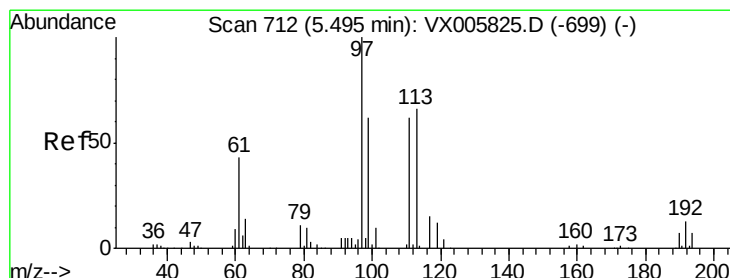
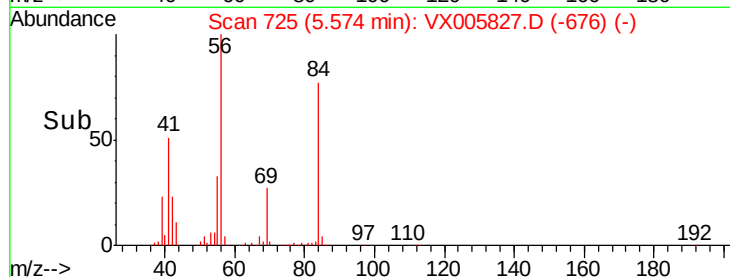
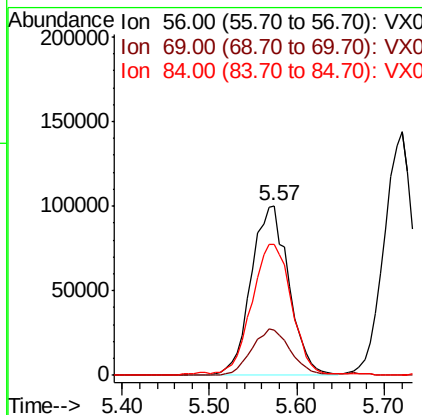
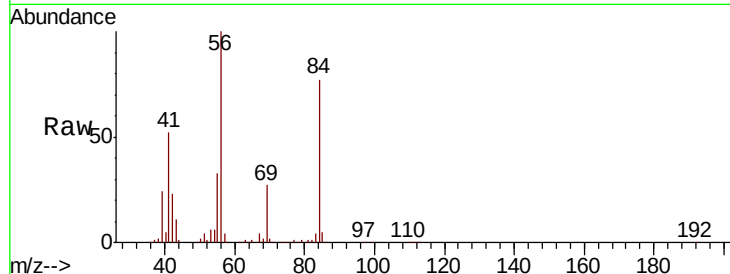
ClientSampleId :

VSTDIC150

Tot Ion	Ion	Ratio	Resp	Lower	Upper
56	100		301131		
69	26.9	22.6	34.0		
84	75.9	62.7	94.1		

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11/8/2018 10:35:38 AM



#32

1,1,1-Trichloroethane

Concen: 142.384 ug/l

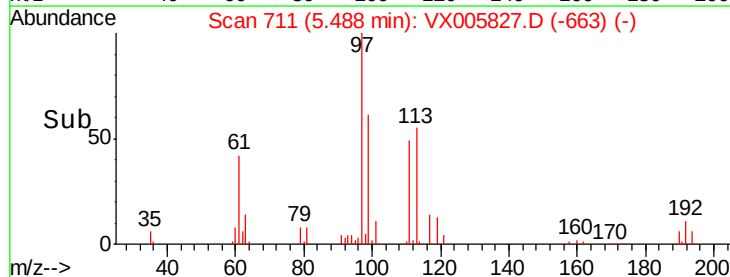
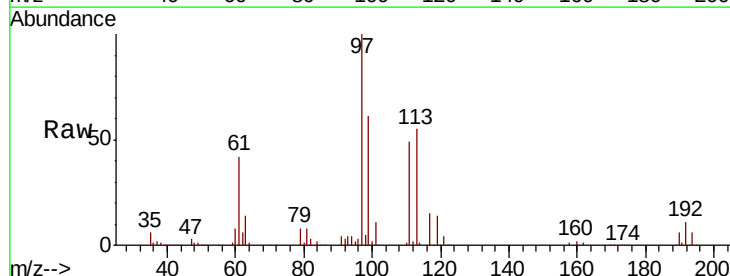
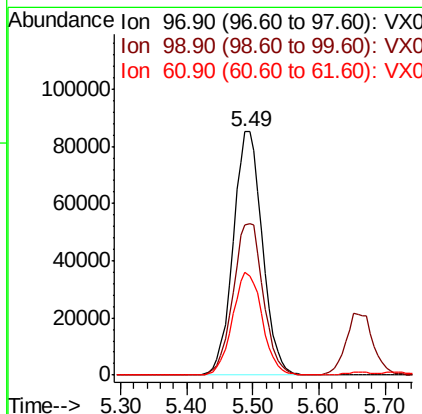
RT: 5.49 min Scan# 711

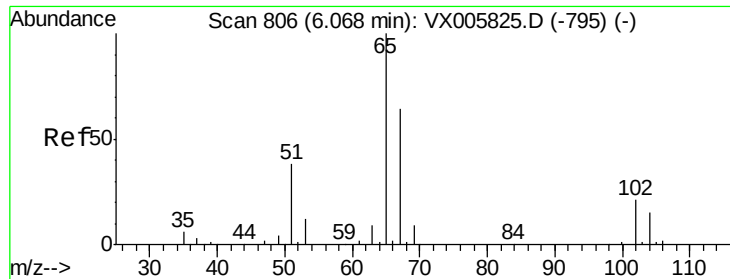
Delta R.T. -0.01 min

Lab File: VX005827.D

Acq: 07 Nov 2018 14:18

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
97	100		260240		
99	64.3	52.3	78.5		
61	43.1	35.2	52.8		





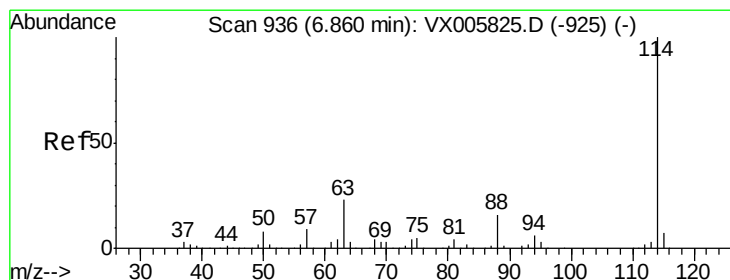
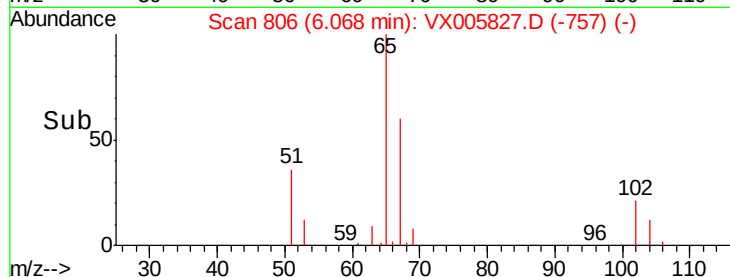
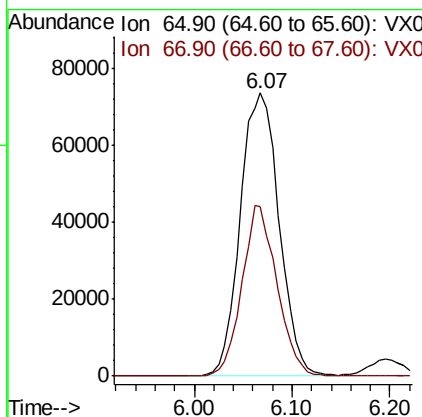
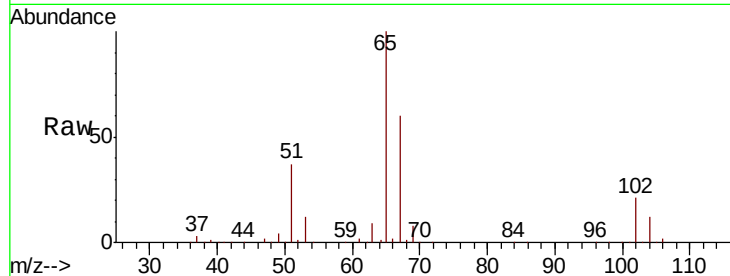
#33
 1,2-Dichloroethane-d4
 Concen: 143.602 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX005827.D
 Acq: 07 Nov 2018 14:18

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.3	0.0	105.0

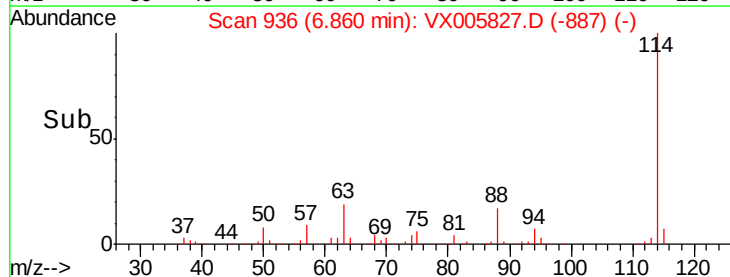
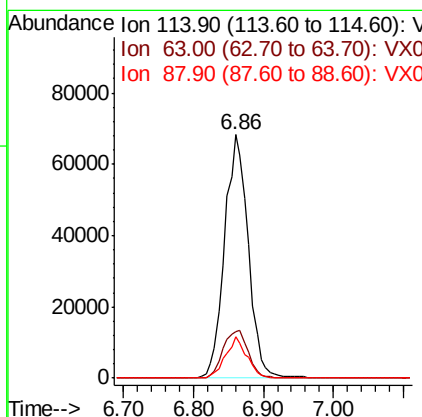
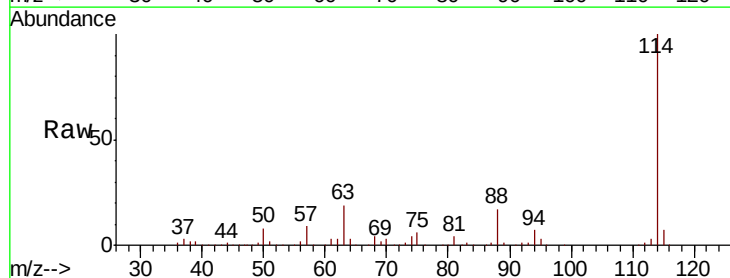
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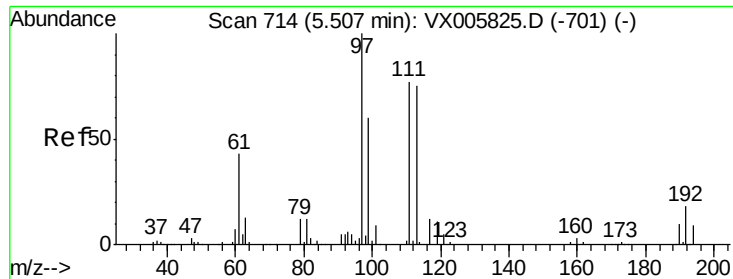
MMDadoda
 11/8/2018 10:35:38 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX005827.D
 Acq: 07 Nov 2018 14:18

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.2	0.0	42.8
88	17.1	0.0	31.2





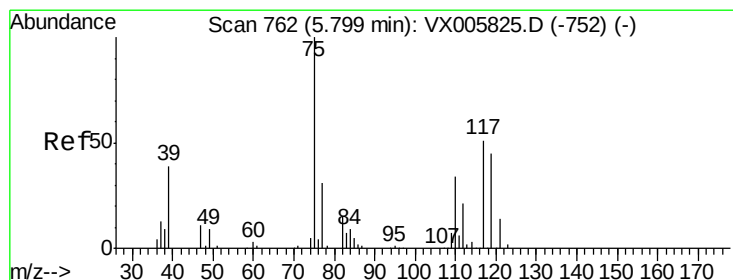
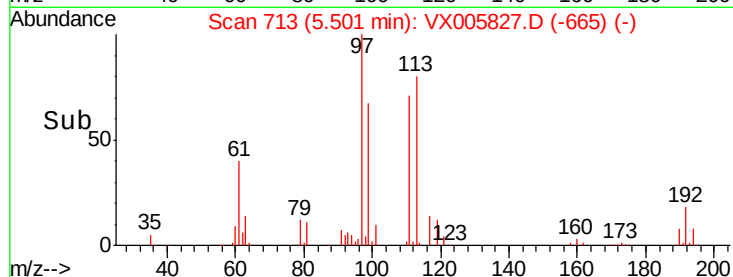
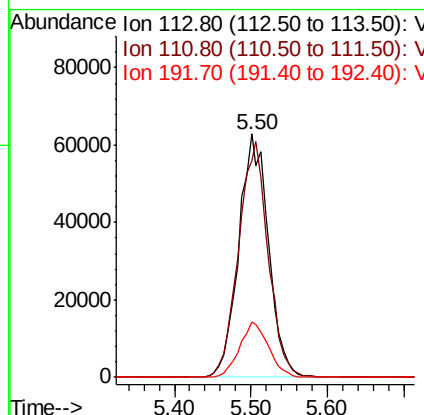
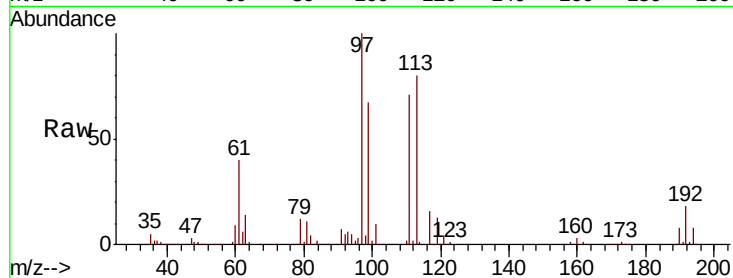
#35
Dibromofluoromethane
Concen: 155.383 ug/l
RT: 5.50 min Scan# 713
Delta R.T. -0.01 min
Lab File: VX005827.D
Acq: 07 Nov 2018 14:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
113	100	168827		
111	96.9	82.3	123.5	
192	22.3	17.9	26.9	

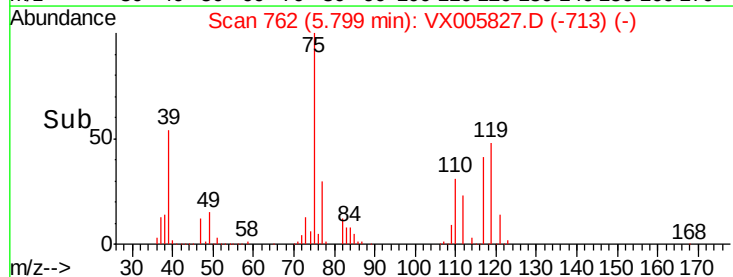
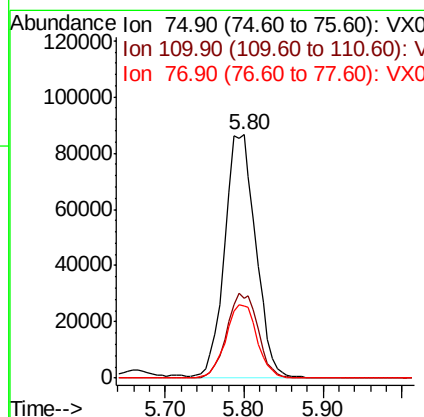
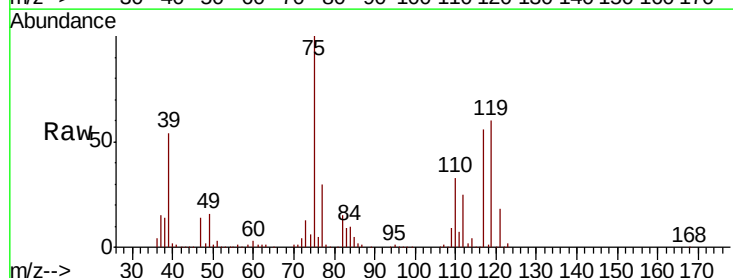
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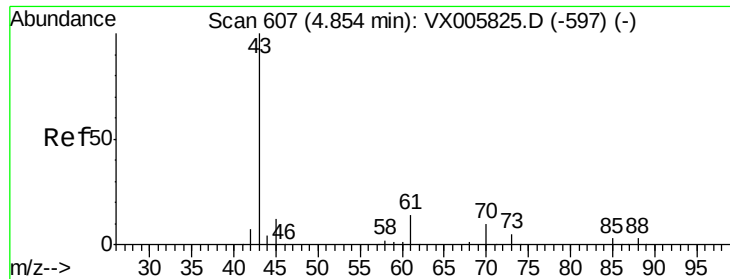
MMDadoda
11/8/2018 10:35:38 AM



#36
1,1-Dichloropropene
Concen: 154.278 ug/l
RT: 5.80 min Scan# 762
Delta R.T. -0.00 min
Lab File: VX005827.D
Acq: 07 Nov 2018 14:18

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	238161		
110	35.0	17.4	52.2	
77	30.9	25.8	38.6	





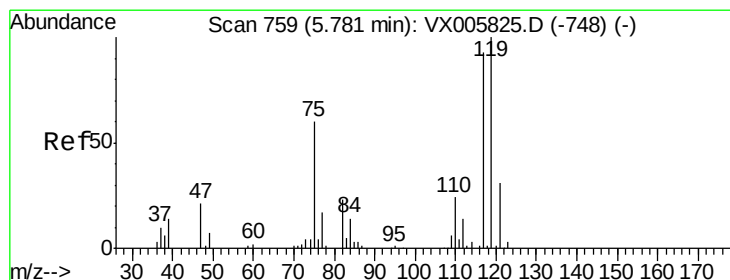
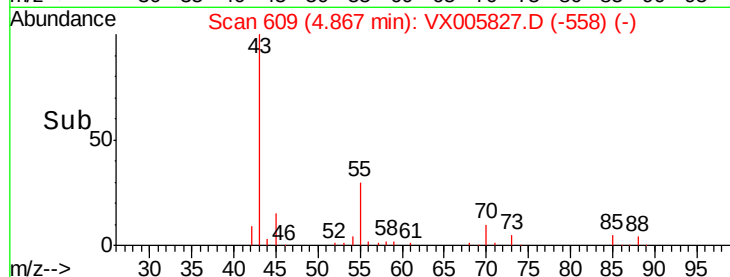
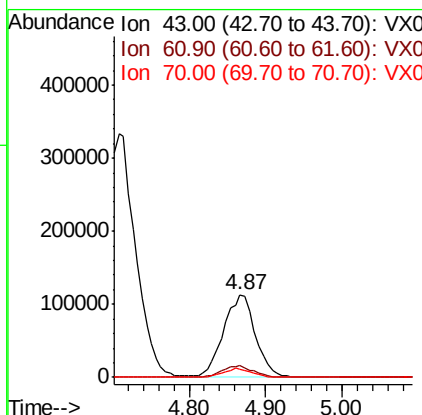
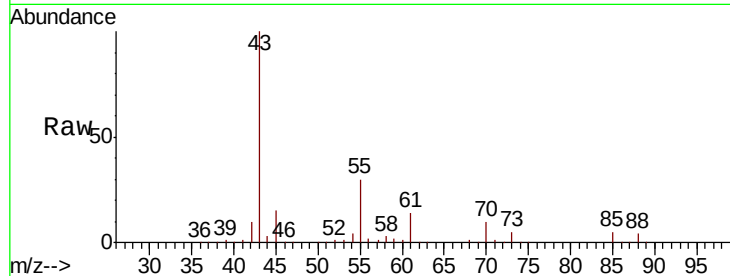
#37
Ethyl Acetate
Concen: 161.609 ug/l
RT: 4.87 min Scan# 609
Delta R.T. 0.01 min
Lab File: VX005827.D
Acq: 07 Nov 2018 14:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.8	10.8	16.2
70	9.7	7.8	11.8

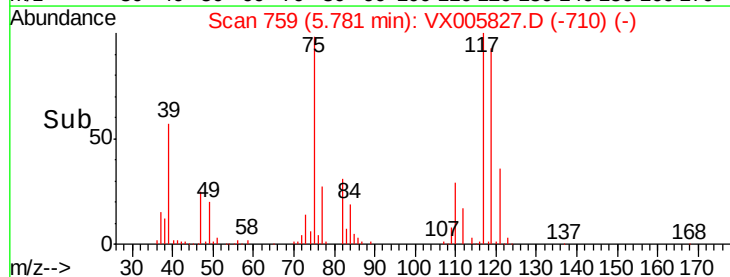
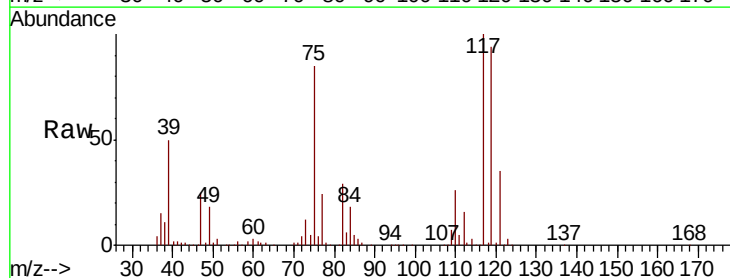
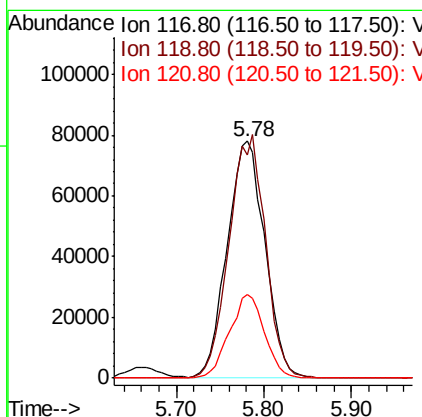
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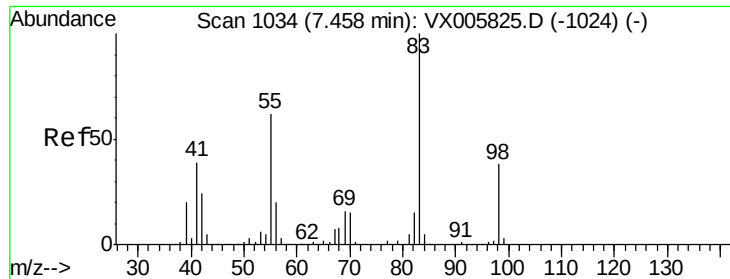
MMDadoda
11/8/2018 10:35:38 AM



#38
Carbon Tetrachloride
Concen: 151.396 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.00 min
Lab File: VX005827.D
Acq: 07 Nov 2018 14:18

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.1	78.1	117.1
121	35.2	24.6	36.8





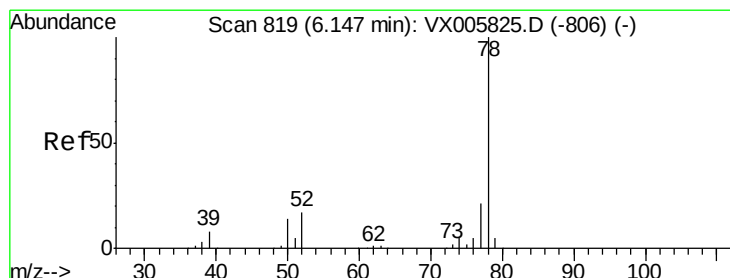
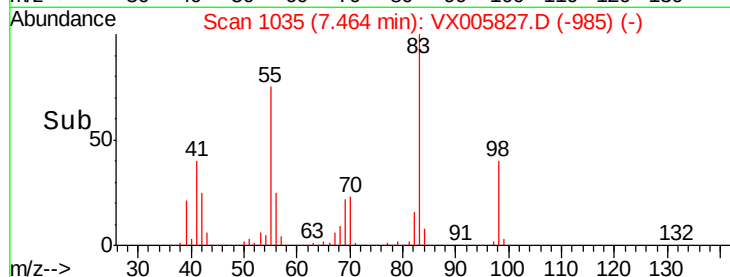
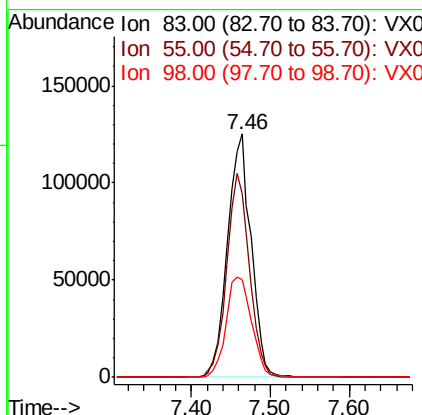
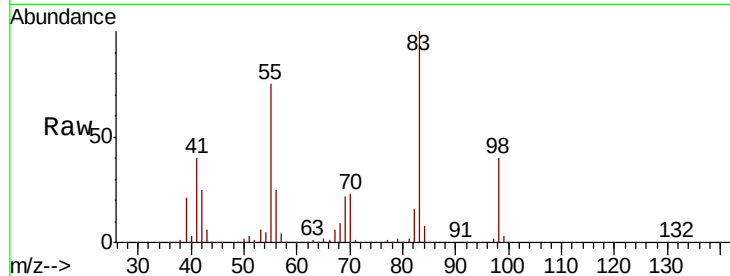
#39
Methylvlcyclohexane
Concen: 168.815 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.01 min
Lab File: VX005827.D
Acq: 07 Nov 2018 14:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.1	63.7	95.5
98	40.1	36.2	54.2

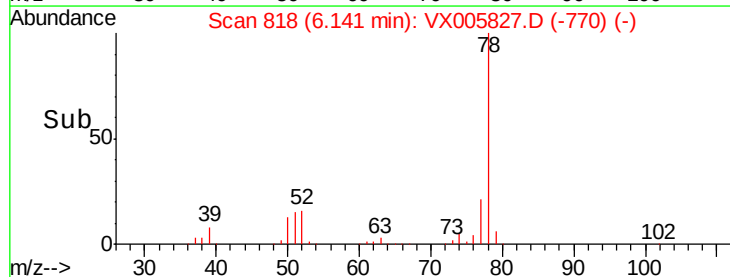
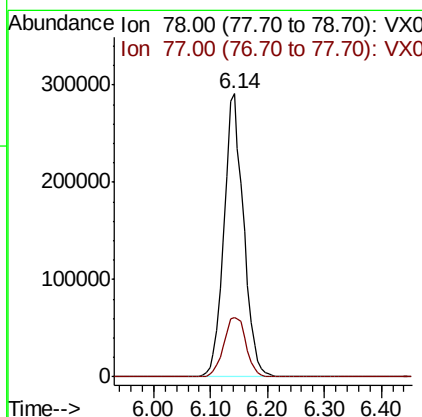
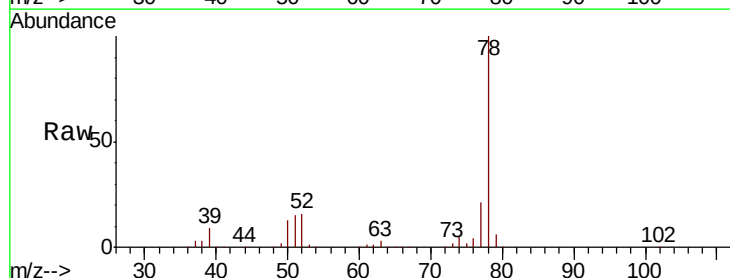
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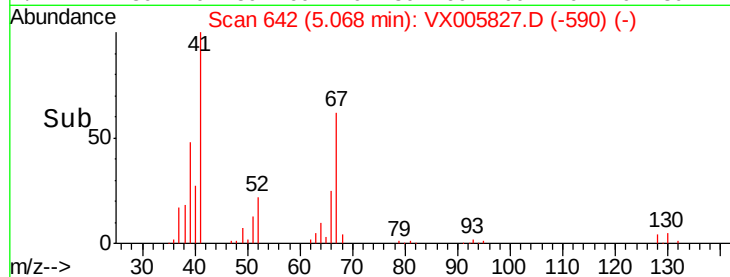
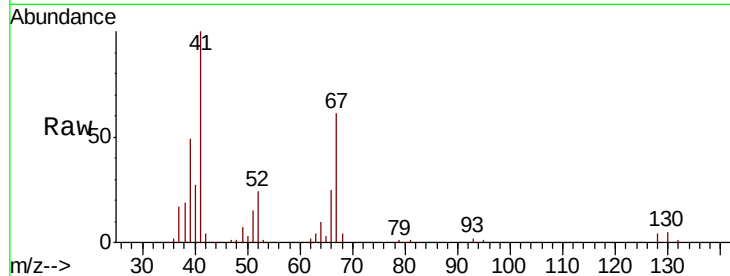
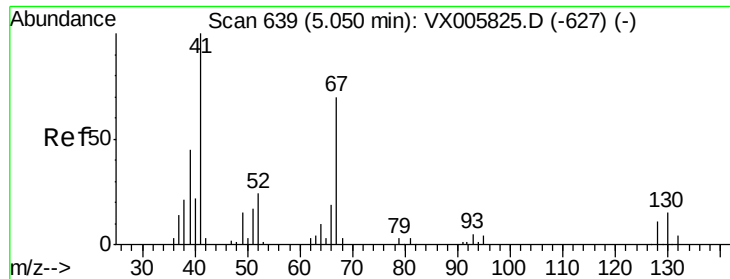
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11/8/2018 10:35:38 AM



#40
Benzene
Concen: 154.591 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.01 min
Lab File: VX005827.D
Acq: 07 Nov 2018 14:18

Tgt Ion	Ratio	Lower	Upper
78	100		
77	21.0	18.4	27.6





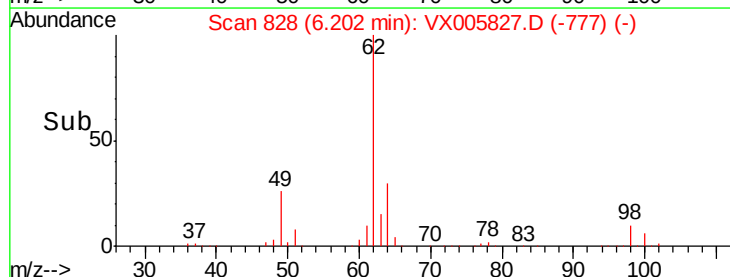
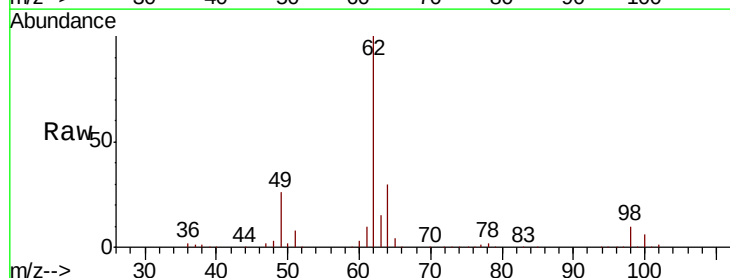
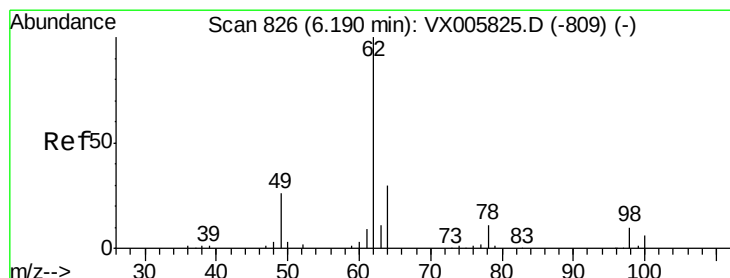
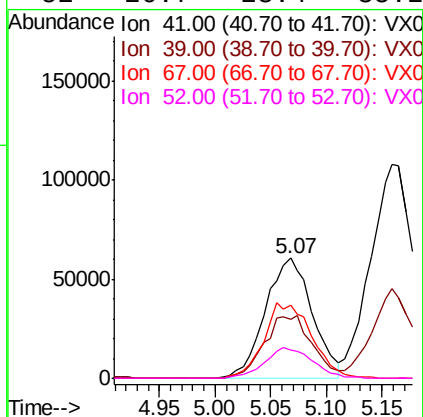
#41
Methacrylonitrile
Concen: 163.848 ug/l
RT: 5.07 min Scan# 642
Delta R.T. 0.02 min
Lab File: VX005827.D
Acq: 07 Nov 2018 14:18

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	53.0	42.2	63.2	
67	64.2	53.4	80.0	
52	26.7	23.4	35.2	

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

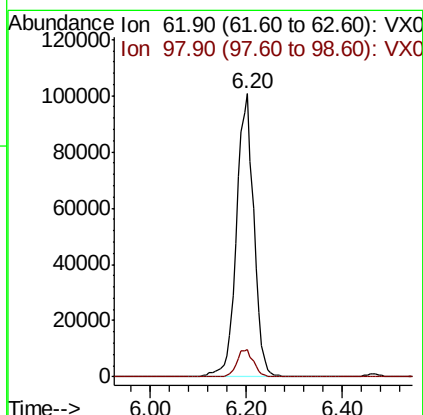
Manual Integrations
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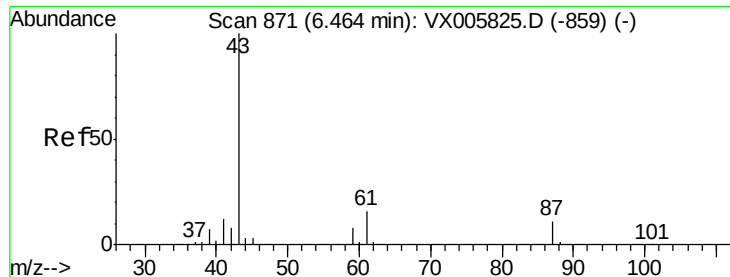
MMDadoda
11/8/2018 10:35:38 AM



#42
1,2-Dichloroethane
Concen: 157.677 ug/l
RT: 6.20 min Scan# 828
Delta R.T. 0.01 min
Lab File: VX005827.D
Acq: 07 Nov 2018 14:18

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.4	0.0	17.8	





#43

Isopropyl Acetate

Concen: 169.789 ug/l

RT: 6.46 min Scan# 871

Delta R.T. -0.00 min

Lab File: VX005827.D

Acq: 07 Nov 2018 14:18

Instrument :

MSVOA_X

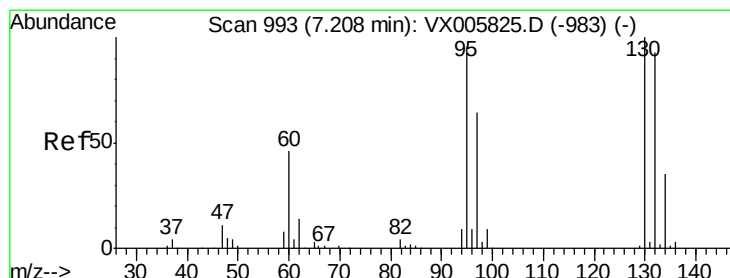
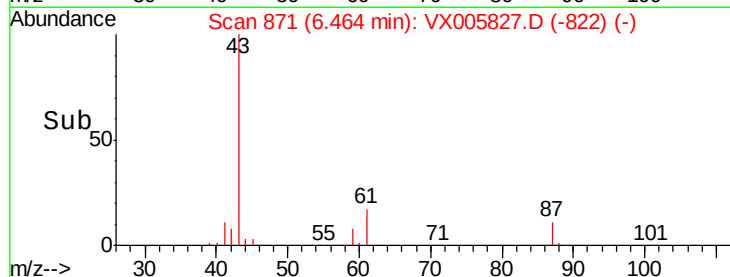
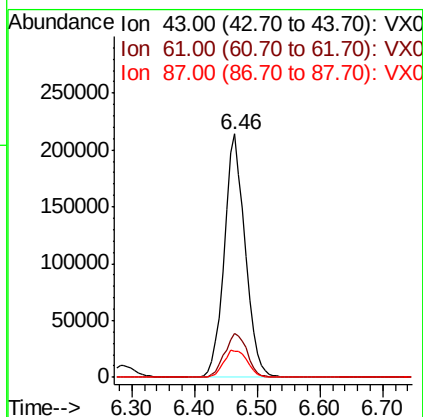
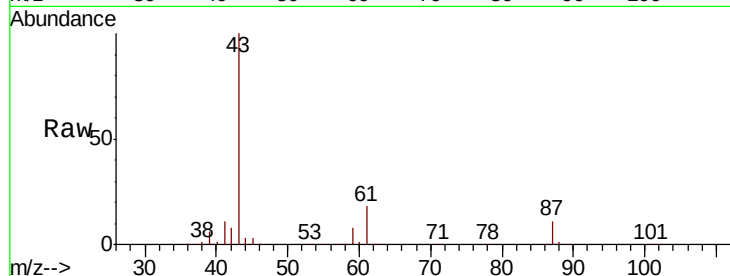
ClientSampleId :

VSTDIC150

Tot Ion:	43	Resp:	491016
Ion	Ratio	Lower	Upper
43	100		
61	19.7	14.6	22.0
87	12.6	9.6	14.4

Manual Integrations
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11/8/2018 10:35:38 AM



#44

Trichloroethene

Concen: 152.589 ug/l

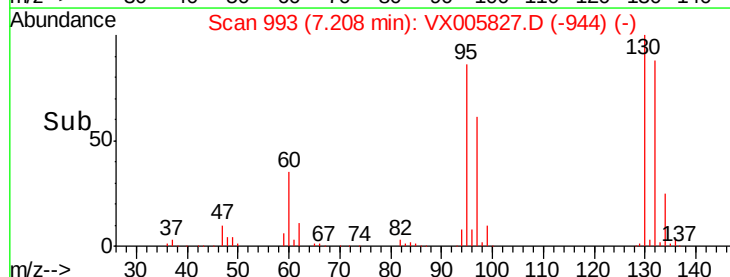
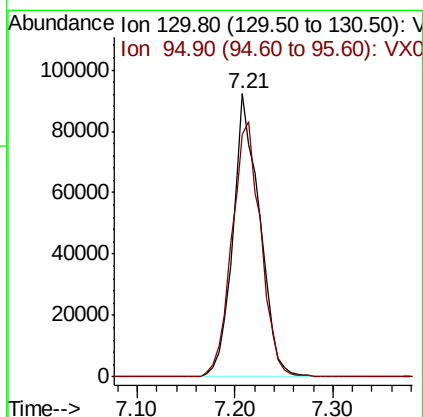
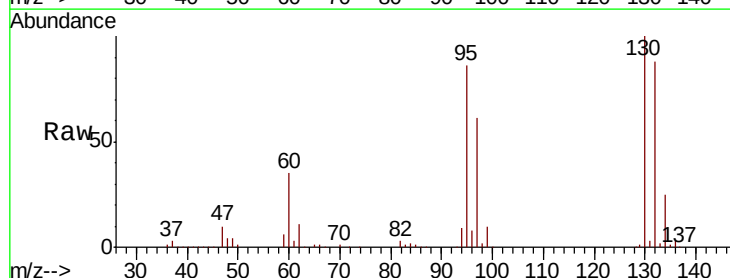
RT: 7.21 min Scan# 993

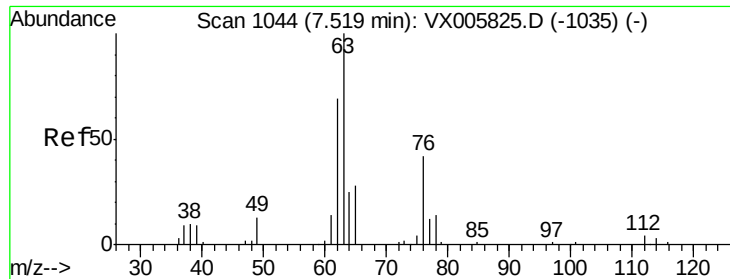
Delta R.T. -0.00 min

Lab File: VX005827.D

Acq: 07 Nov 2018 14:18

Tgt Ion:	130	Resp:	174716
Ion	Ratio	Lower	Upper
130	100		
95	85.8	0.0	194.2





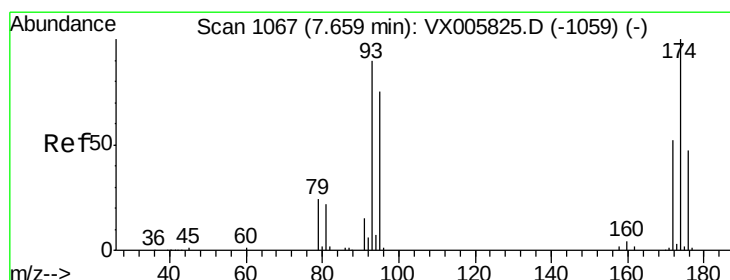
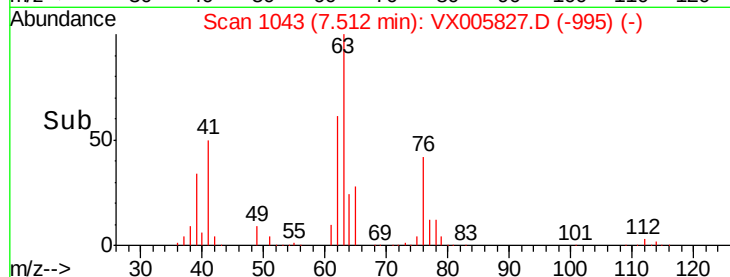
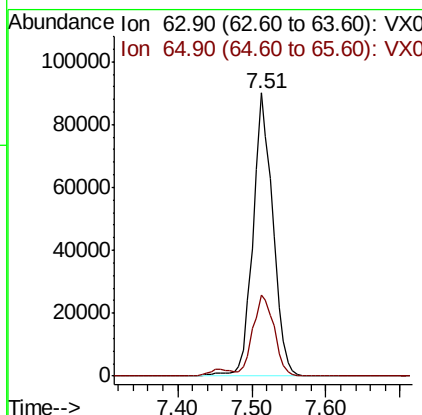
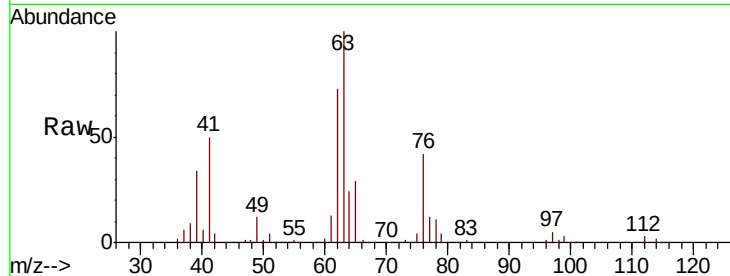
#45
 1,2-Dichloropropane
 Concen: 155.314 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. -0.01 min
 Lab File: VX005827.D
 Acq: 07 Nov 2018 14:18

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
63	100		
65	28.6	24.8	37.2

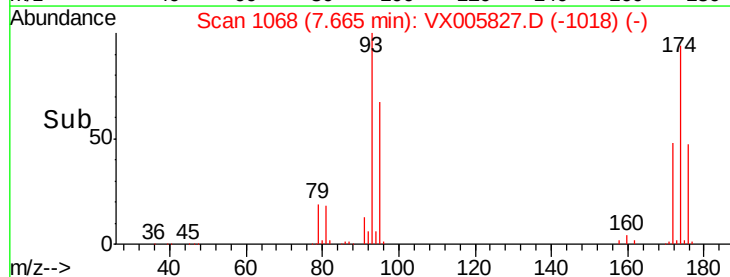
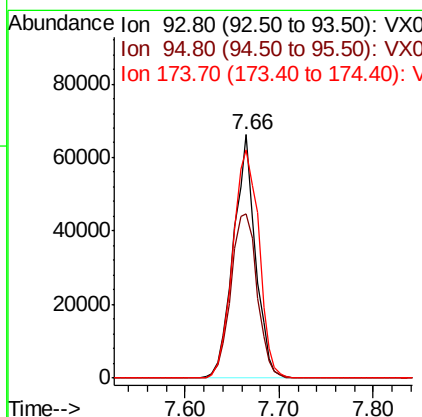
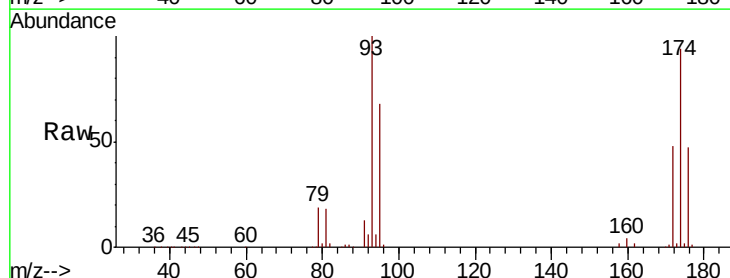
Manual Integrations
 APPROVED

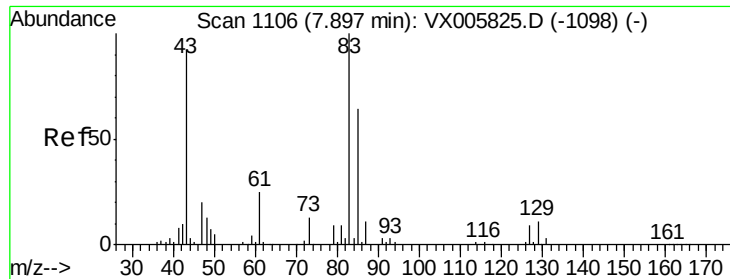
MMDadoda
 11/8/2018 10:35:38 AM



#46
 Dibromomethane
 Concen: 158.481 ug/l
 RT: 7.66 min Scan# 1068
 Delta R.T. 0.01 min
 Lab File: VX005827.D
 Acq: 07 Nov 2018 14:18

Tgt Ion	Ratio	Lower	Upper
93	100		
95	80.3	67.4	101.0
174	111.3	91.5	137.3





#47

Bromodichloromethane

Concen: 160.003 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX005827.D

Acq: 07 Nov 2018 14:18

Instrument :

MSVOA_X

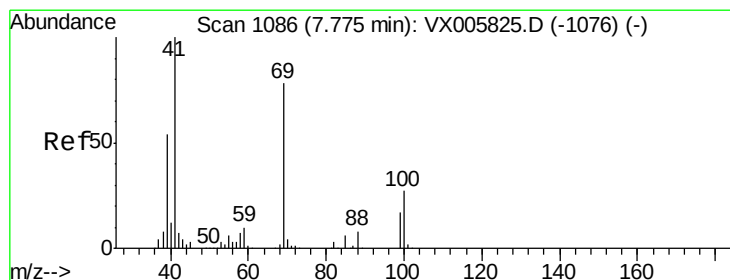
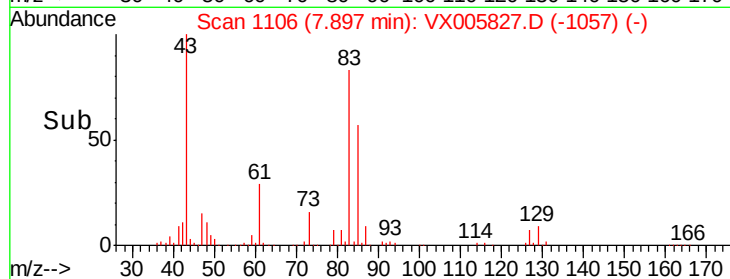
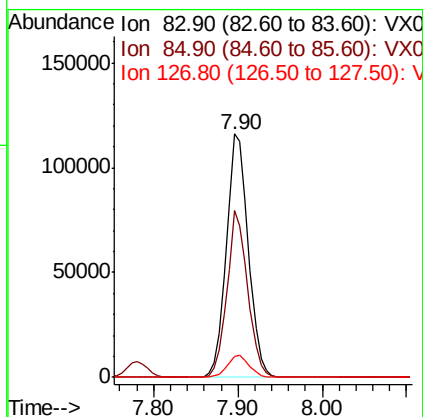
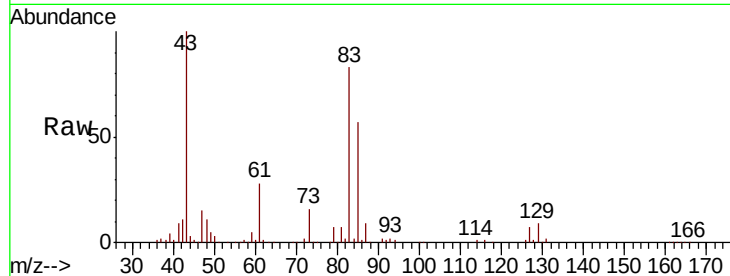
ClientSampleId :

VSTDIC150

Tot Ion:	83	Resp:	205958
Ion Ratio	Lower	Upper	
83	100		
85	68.7	50.2	75.4
127	8.4	6.9	10.3

Manual Integrations
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MMDadoda
11/8/2018 10:35:38 AM



#48

Methyl methacrylate

Concen: 168.153 ug/l

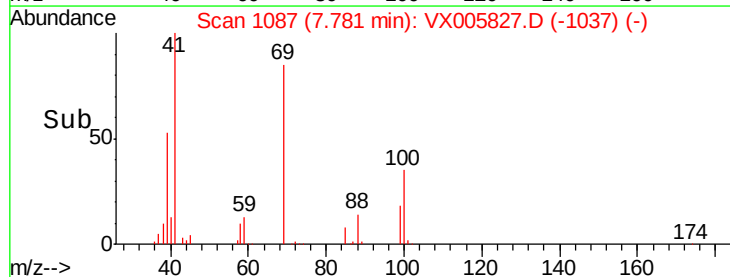
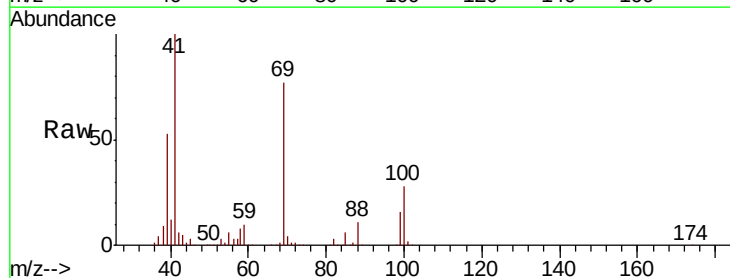
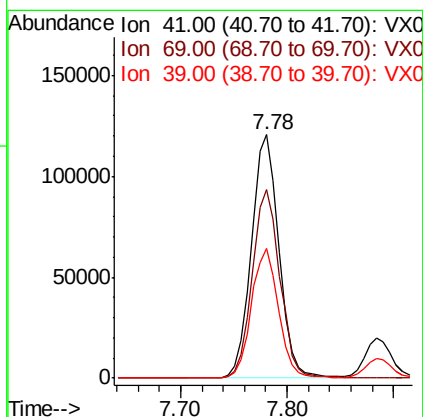
RT: 7.78 min Scan# 1087

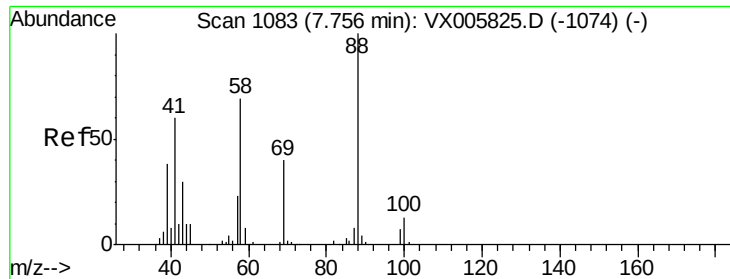
Delta R.T. 0.01 min

Lab File: VX005827.D

Acq: 07 Nov 2018 14:18

Tgt Ion:	41	Resp:	218741
Ion Ratio	Lower	Upper	
41	100		
69	78.6	63.2	94.8
39	52.5	42.2	63.2





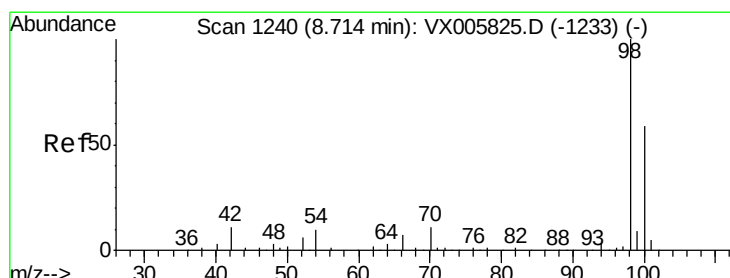
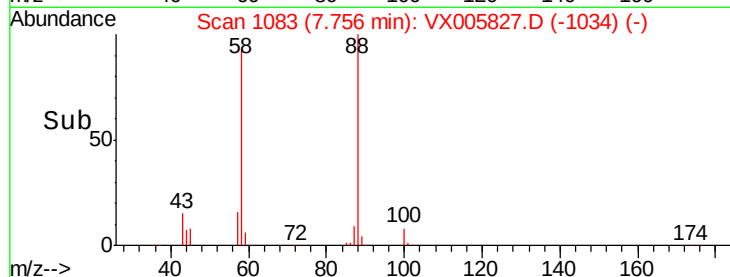
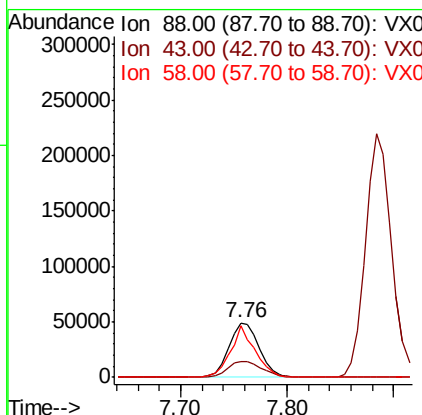
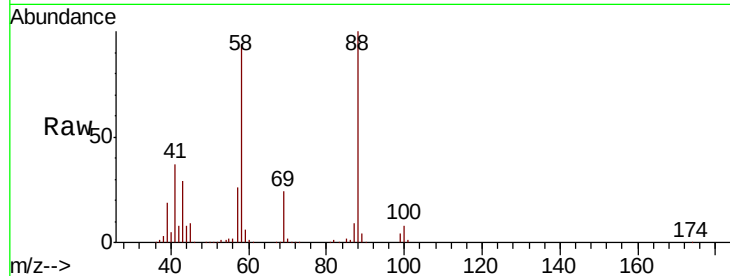
#49
1,4-Dioxane
Concen: 3509.170 ug/l
RT: 7.76 min Scan# 1083
Delta R.T. -0.00 min
Lab File: VX005827.D
Acq: 07 Nov 2018 14:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.6	27.4	41.0
58	77.1	59.4	89.2

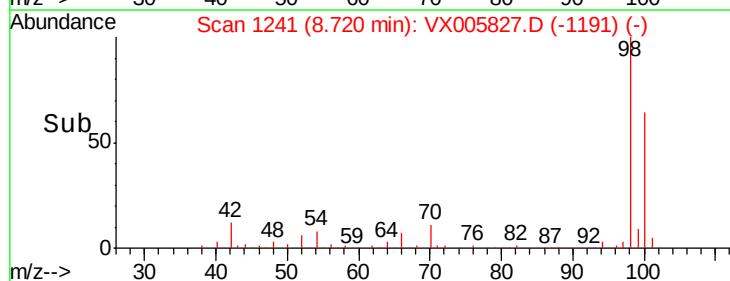
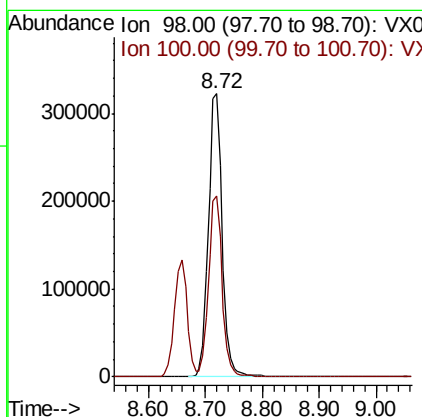
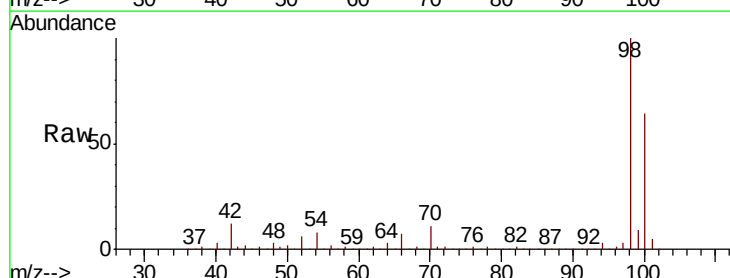
Manual Integrations
APPROVED

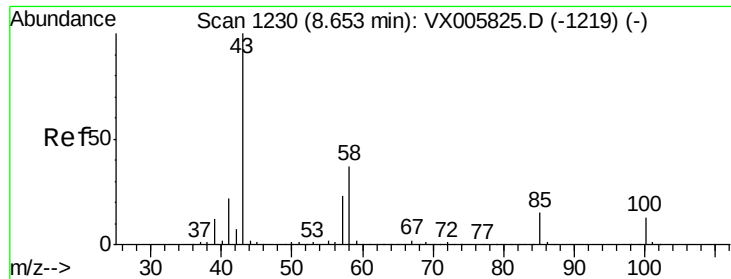
MMDadoda
11/8/2018 10:35:38 AM



#50
Toluene-d8
Concen: 150.056 ug/l
RT: 8.72 min Scan# 1241
Delta R.T. 0.01 min
Lab File: VX005827.D
Acq: 07 Nov 2018 14:18

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.6	51.3	76.9





#51

4-Methyl-2-Pentanone

Concen: 849.355 ug/l

RT: 8.66 min Scan# 1231

Delta R.T. 0.01 min

Lab File: VX005827.D

Acq: 07 Nov 2018 14:18

Tot Ion: 43 Resp: 1547900

Ion Ratio Lower Upper

43 100

58 39.6 29.7 44.5

Instrument :

MSVOA_X

ClientSampled :

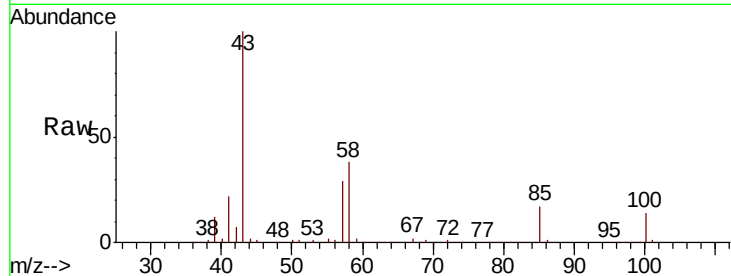
VSTDIC150

Manual Integrations

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MMDadoda

11/8/2018 10:35:38 AM



Abundance Ion 43.00 (42.70 to 43.70): VX005825.D (-1219) (-)

Ion 58.00 (57.70 to 58.70): VX005825.D (-1219) (-)

8.66

1000000

800000

600000

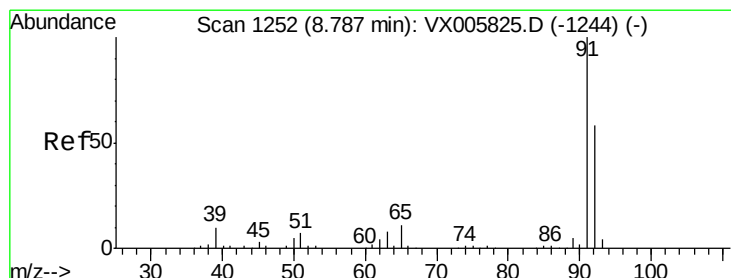
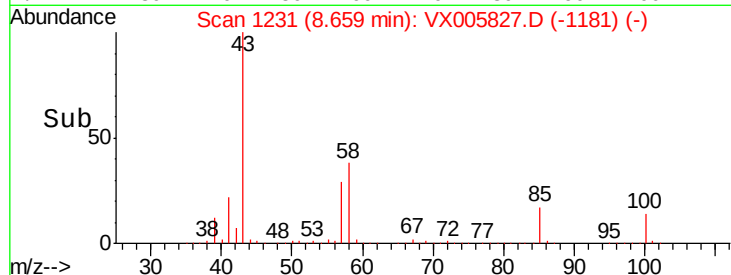
400000

200000

0

8.60 8.70 8.80

Time-->



#52

Toluene

Concen: 150.993 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX005827.D

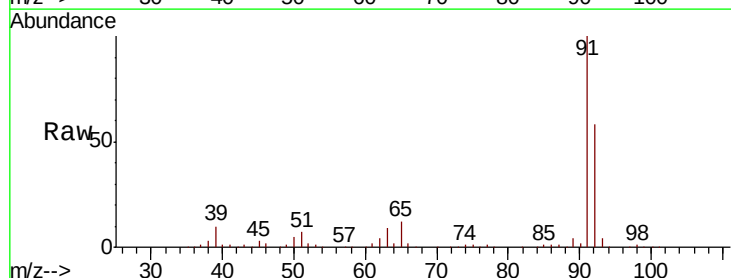
Acq: 07 Nov 2018 14:18

Tgt Ion: 92 Resp: 381156

Ion Ratio Lower Upper

92 100

91 174.3 140.4 210.6



Abundance Ion 92.00 (91.70 to 92.70): VX005825.D (-1244) (-)

Ion 91.00 (90.70 to 91.70): VX005825.D (-1244) (-)

8.79

500000

400000

300000

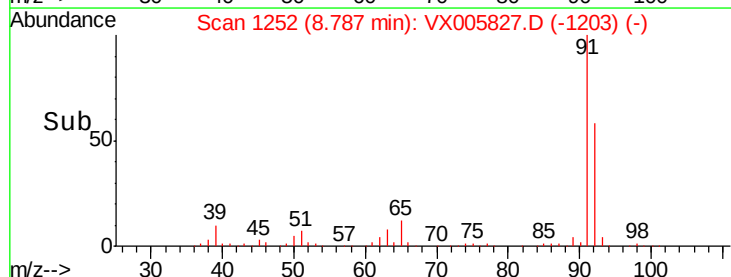
200000

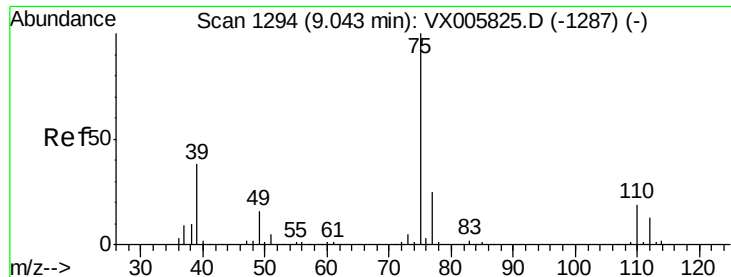
100000

0

8.70 8.80 8.90 9.00

Time-->





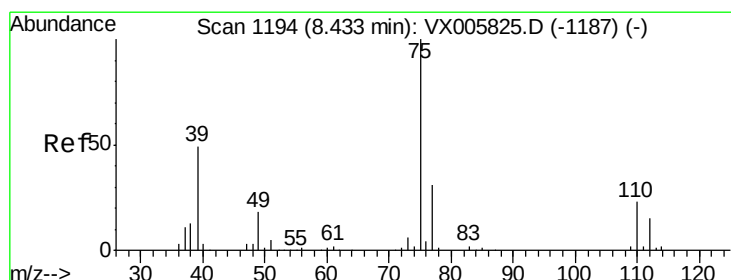
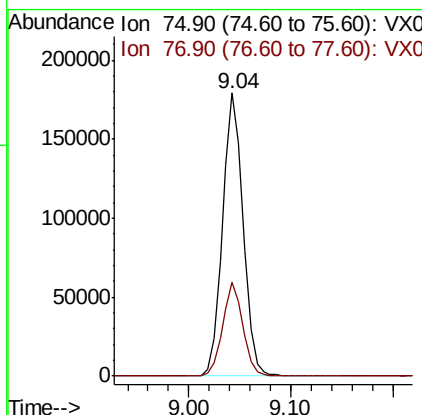
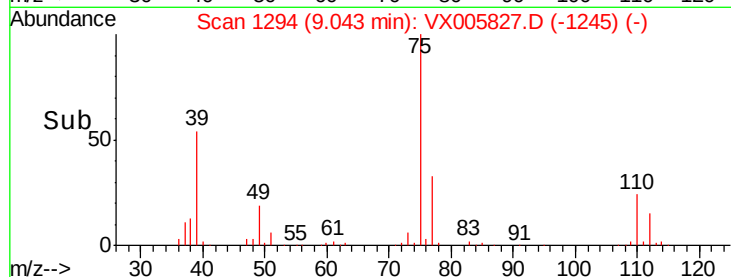
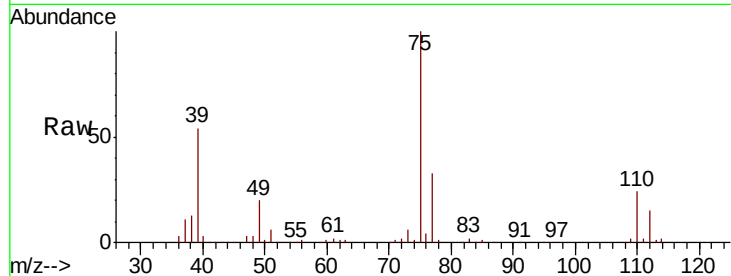
#53
 t-1,3-Dichloropropene
 Concen: 166.000 ug/l
 RT: 9.04 min Scan# 1294
 Delta R.T. -0.00 min
 Lab File: VX005827.D
 Acq: 07 Nov 2018 14:18

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion: 75 Resp: 250510
 Ion Ratio Lower Upper
 75 100
 77 33.0 25.4 38.2

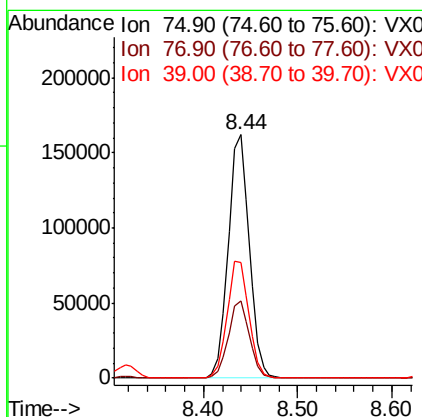
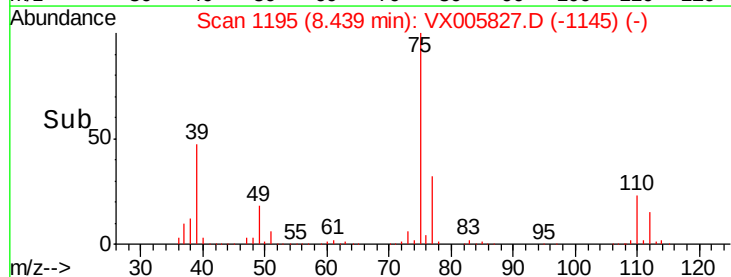
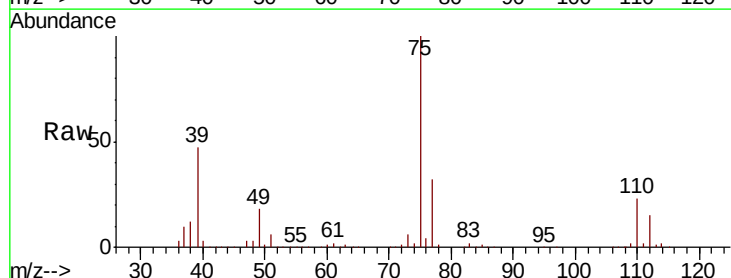
Manual Integrations
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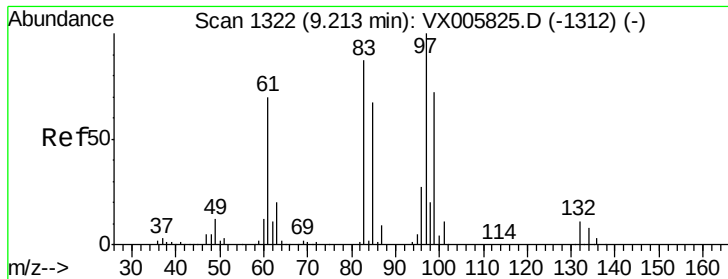
MMDadoda
 11/8/2018 10:35:38 AM



#54
 cis-1,3-Dichloropropene
 Concen: 163.399 ug/l
 RT: 8.44 min Scan# 1195
 Delta R.T. 0.01 min
 Lab File: VX005827.D
 Acq: 07 Nov 2018 14:18

Tgt Ion: 75 Resp: 252047
 Ion Ratio Lower Upper
 75 100
 77 31.7 25.2 37.8
 39 47.2 38.2 57.2





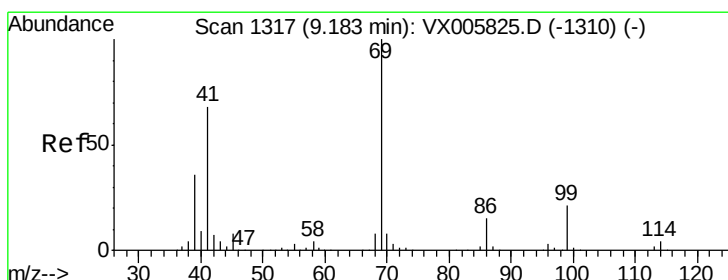
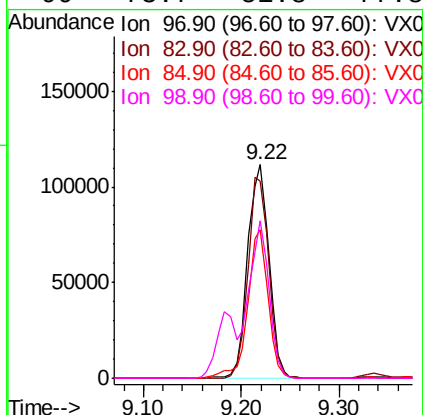
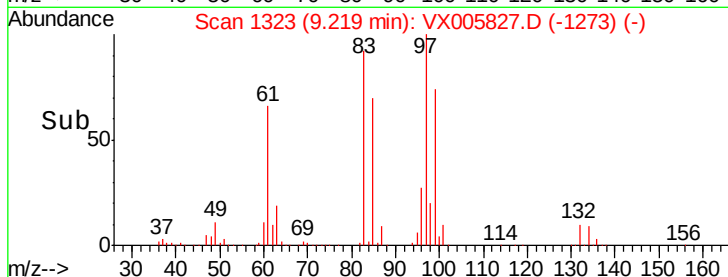
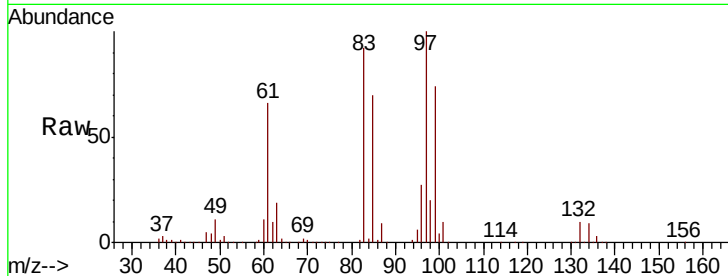
#55
 1,1,2-Trichloroethane
 Concen: 149.984 ug/l
 RT: 9.22 min Scan# 1323
 Delta R.T. 0.01 min
 Lab File: VX005827.D
 Acq: 07 Nov 2018 14:18

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion:	97	Resp:	168926
Ion Ratio	Lower	Upper	
97	100		
83	92.2	70.7	106.1
85	69.6	45.8	68.6#
99	73.7	51.8	77.8

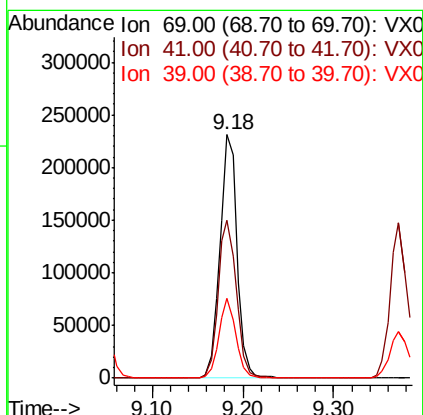
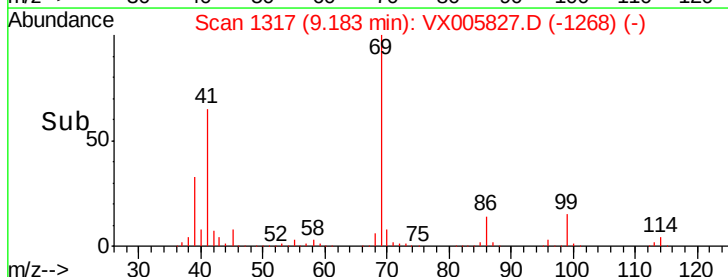
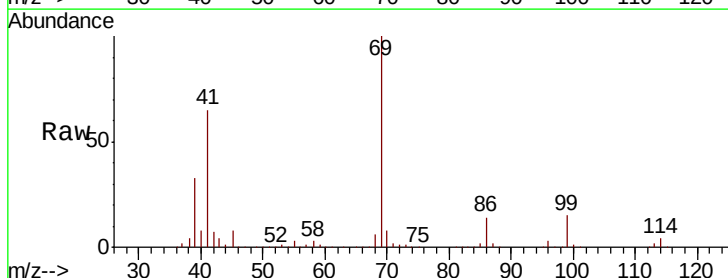
Manual Integrations
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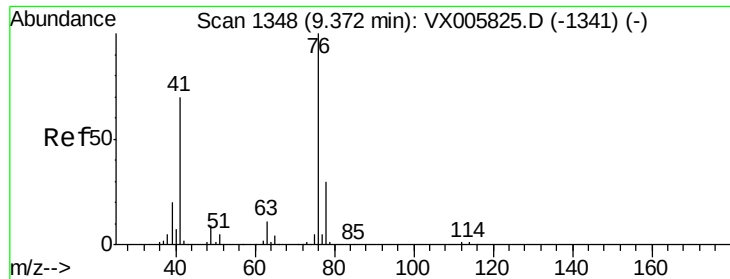
MMDadoda
 11/8/2018 10:35:38 AM



#56
 Ethyl methacrylate
 Concen: 189.024 ug/l
 RT: 9.18 min Scan# 1317
 Delta R.T. -0.00 min
 Lab File: VX005827.D
 Acq: 07 Nov 2018 14:18

Tgt Ion:	69	Resp:	305302
Ion Ratio	Lower	Upper	
69	100		
41	69.0	57.0	85.6
39	32.5	28.3	42.5





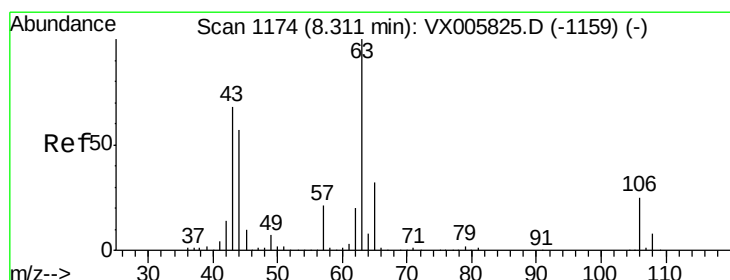
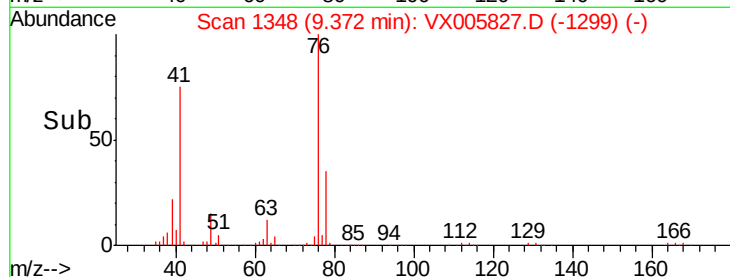
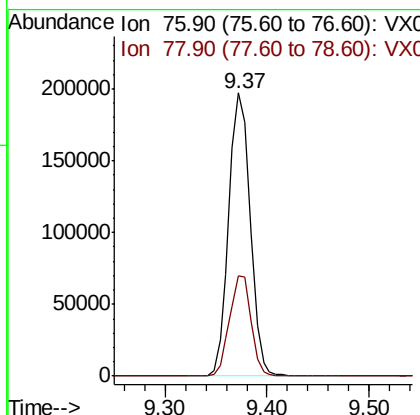
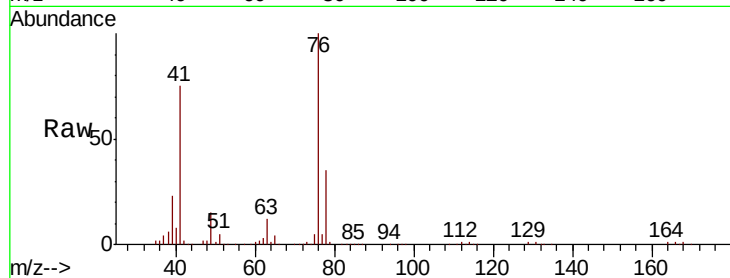
#57
 1,3-Dichloropropane
 Concen: 151.662 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. -0.00 min
 Lab File: VX005827.D
 Acq: 07 Nov 2018 14:18

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
76	100		
78	35.4	25.3	37.9

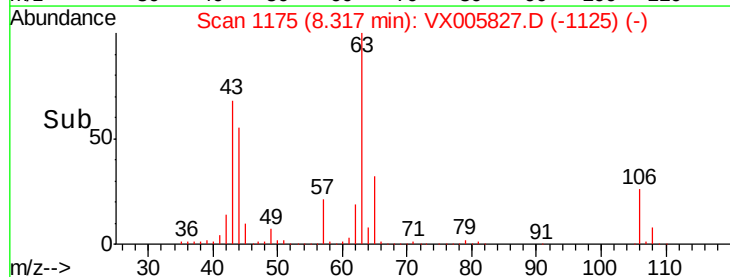
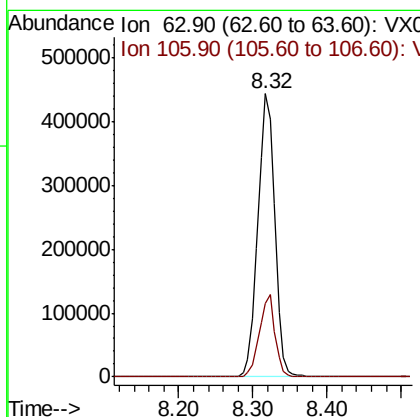
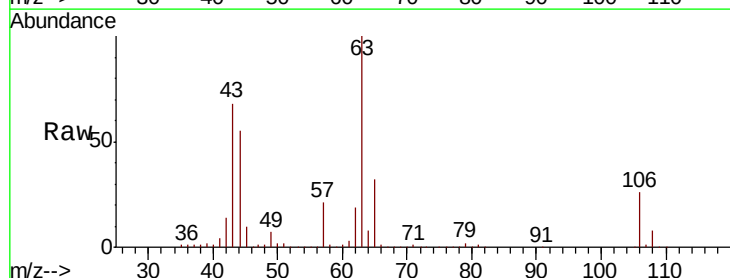
Manual Integrations
 APPROVED

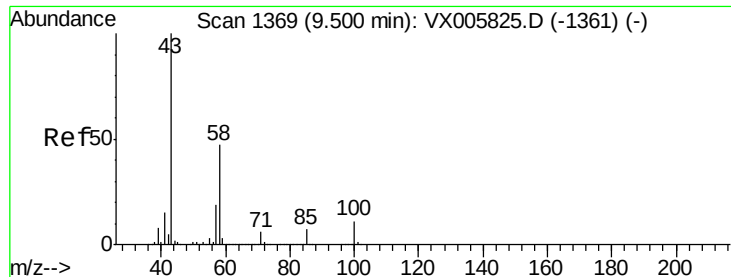
MMDadoda
 11/8/2018 10:35:38 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 887.798 ug/l
 RT: 8.32 min Scan# 1175
 Delta R.T. 0.01 min
 Lab File: VX005827.D
 Acq: 07 Nov 2018 14:18

Tgt Ion	Ratio	Lower	Upper
63	100		
106	26.8	21.3	31.9





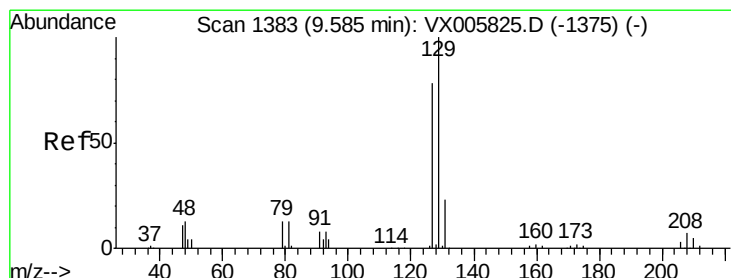
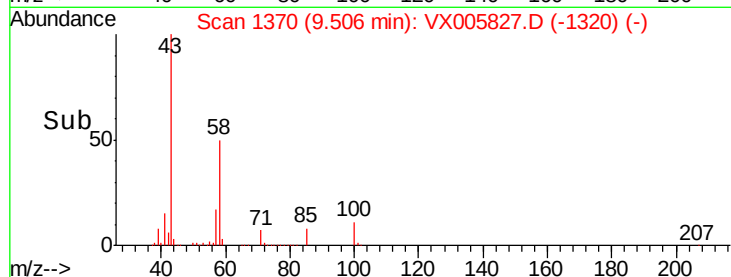
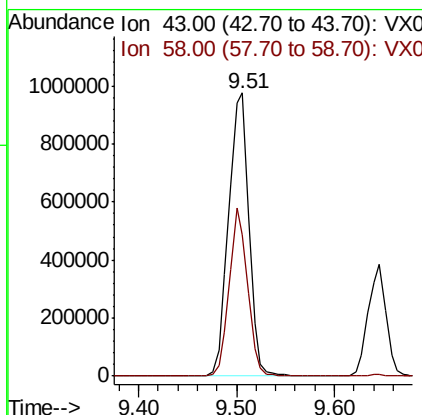
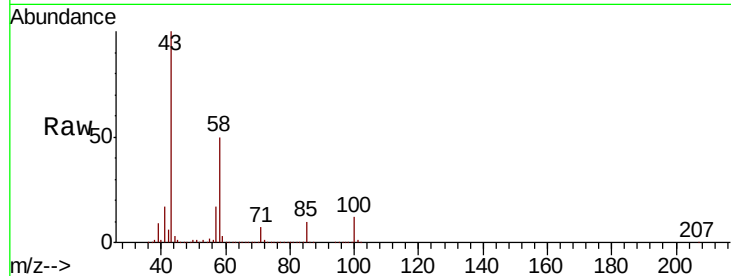
#59
2-Hexanone
Concen: 883.594 ug/l
RT: 9.51 min Scan# 1370
Delta R.T. 0.01 min
Lab File: VX005827.D
Acq: 07 Nov 2018 14:18

Instrument :
MSVOA_X
ClientSampled :
VSTDIC150

Tot Ion: 43 Resp: 1408917
Ion Ratio Lower Upper
43 100
58 53.5 25.9 77.8

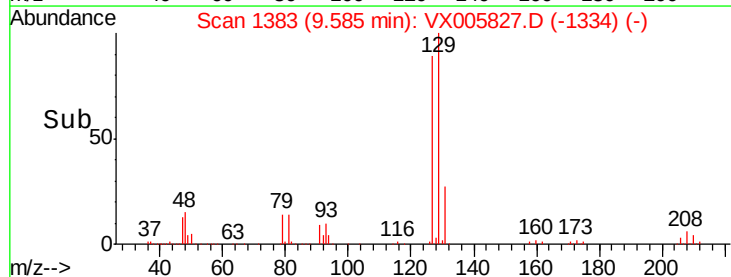
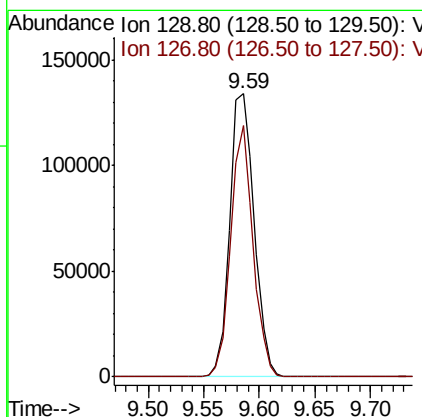
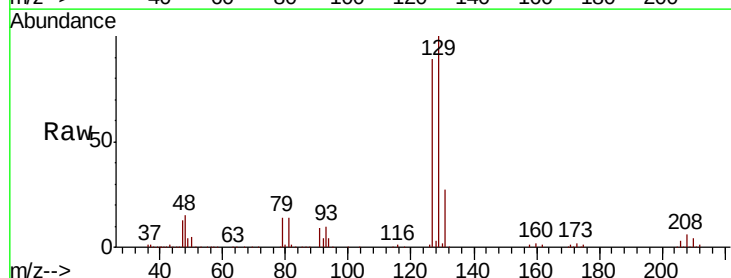
Manual Integrations
APPROVED

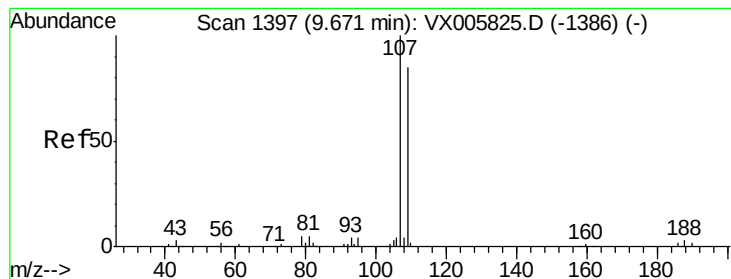
MMDadoda
11/8/2018 10:35:38 AM



#60
Dibromochloromethane
Concen: 171.118 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VX005827.D
Acq: 07 Nov 2018 14:18

Tgt Ion:129 Resp: 203511
Ion Ratio Lower Upper
129 100
127 81.0 38.9 116.7





#61

1,2-Dibromoethane

Concen: 154.221 ug/l

RT: 9.68 min Scan# 1398

Delta R.T. 0.01 min

Lab File: VX005827.D

Acq: 07 Nov 2018 14:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 107 Resp: 191170

Ion Ratio Lower Upper

107 100

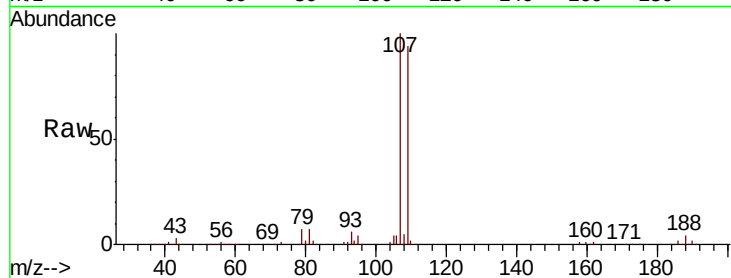
109 94.5 75.7 113.5

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.68

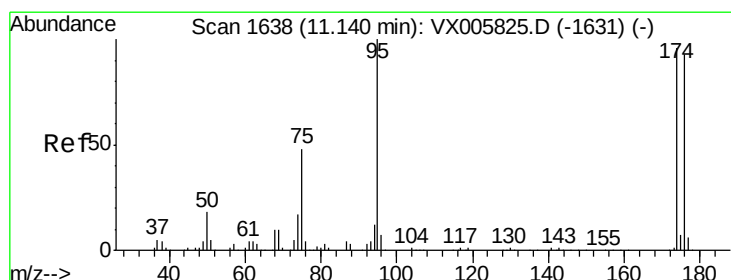
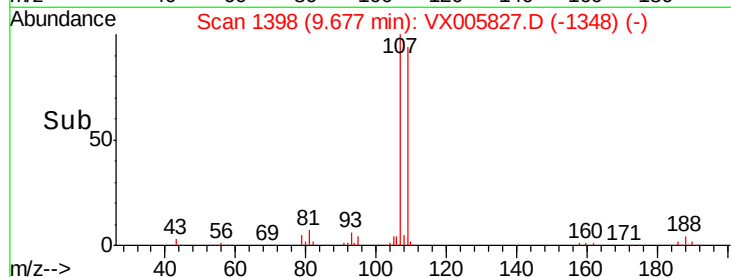
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 175.462 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX005827.D

Acq: 07 Nov 2018 14:18

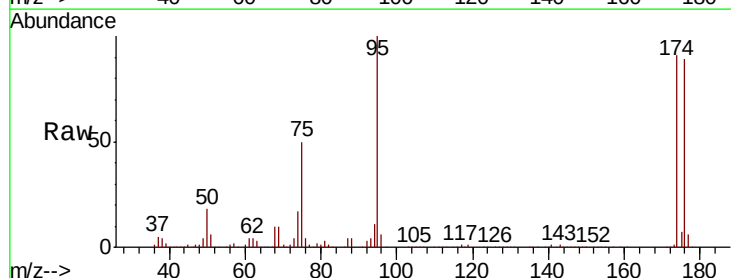
Tgt Ion: 95 Resp: 221977

Ion Ratio Lower Upper

95 100

174 90.9 0.0 184.4

176 88.6 0.0 177.4



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

11.14

200000

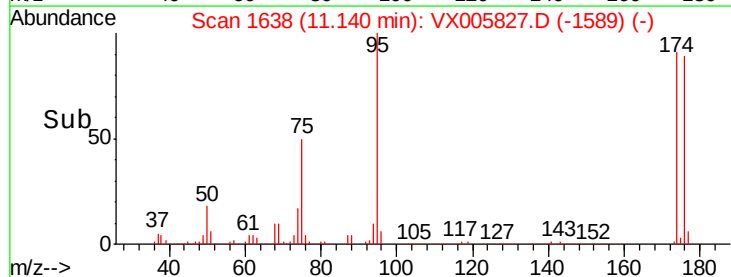
150000

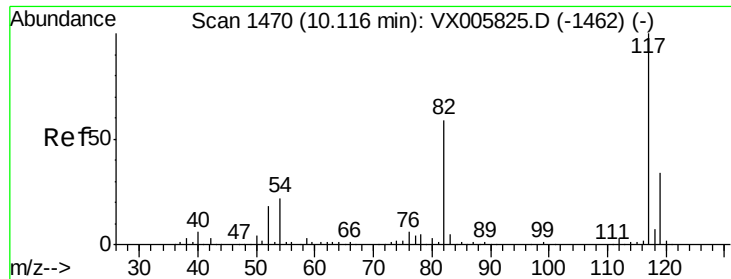
100000

50000

0

Time-->





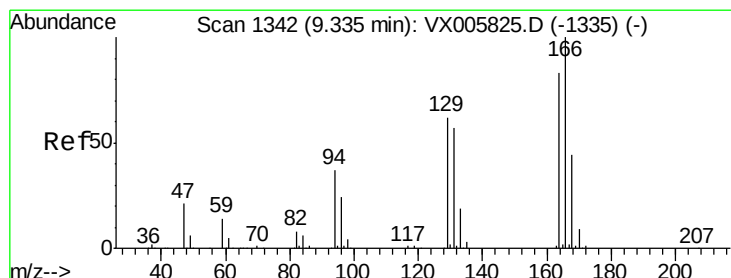
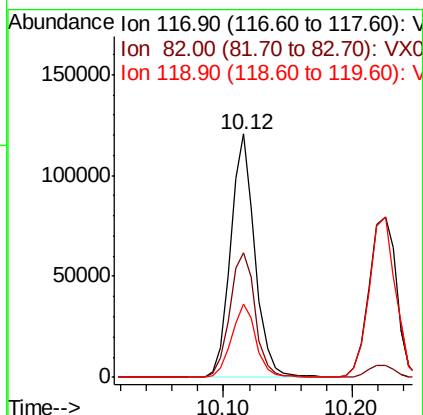
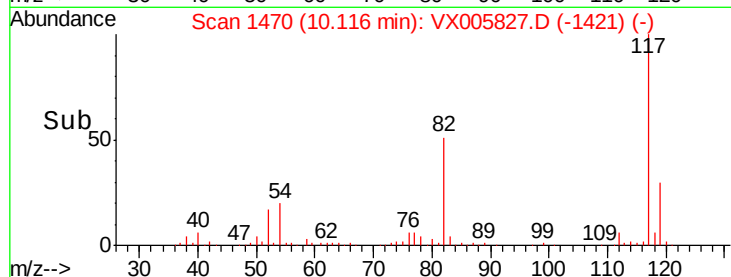
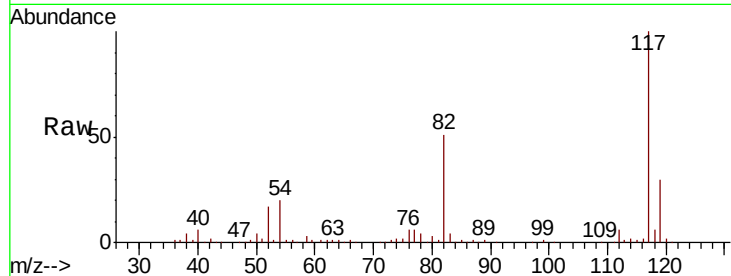
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX005827.D
Acq: 07 Nov 2018 14:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.1	44.1	66.1
119	30.0	26.2	39.2

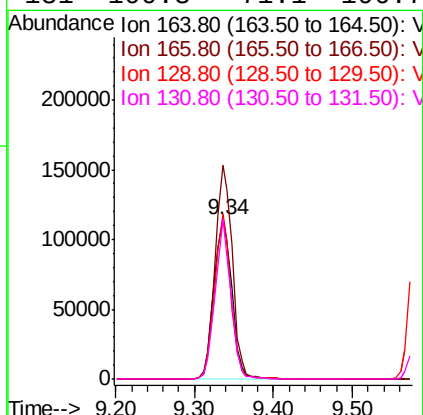
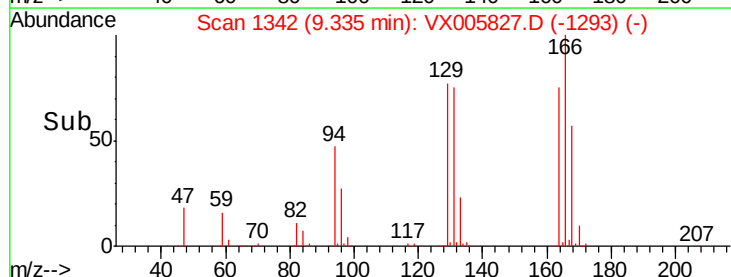
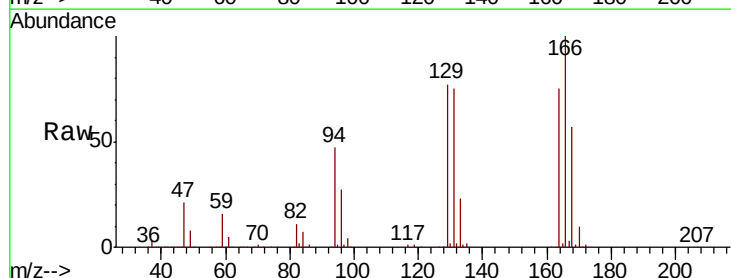
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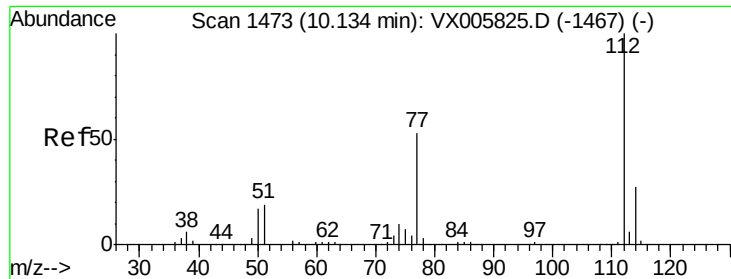
MMDadoda
11/8/2018 10:35:38 AM



#64
Tetrachloroethene
Concen: 131.022 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX005827.D
Acq: 07 Nov 2018 14:18

Tgt Ion	Ratio	Lower	Upper
164	100		
166	133.9	101.9	152.9
129	103.5	72.6	109.0
131	100.3	71.1	106.7





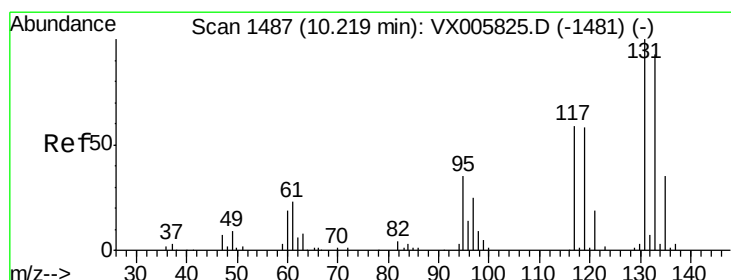
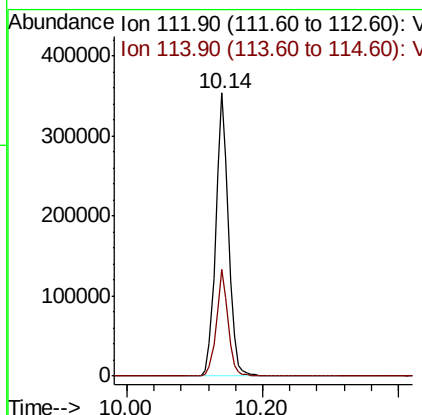
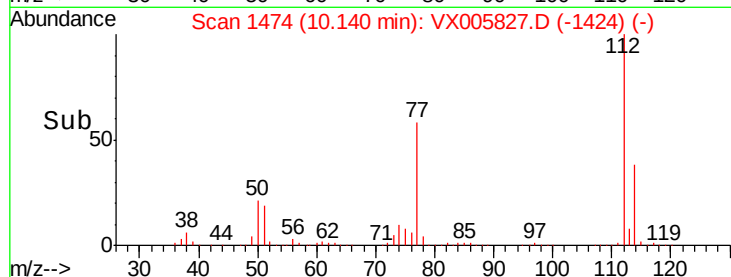
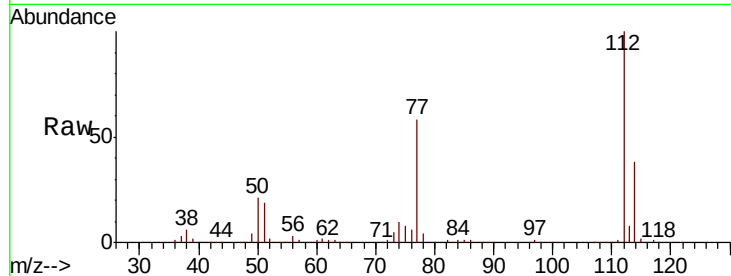
#65
Chlorobenzene
Concen: 143.408 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.01 min
Lab File: VX005827.D
Acq: 07 Nov 2018 14:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion:112 Resp: 459580
Ion Ratio Lower Upper
112 100
114 37.5 25.8 38.6

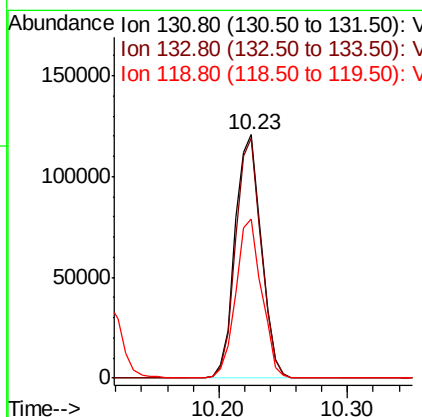
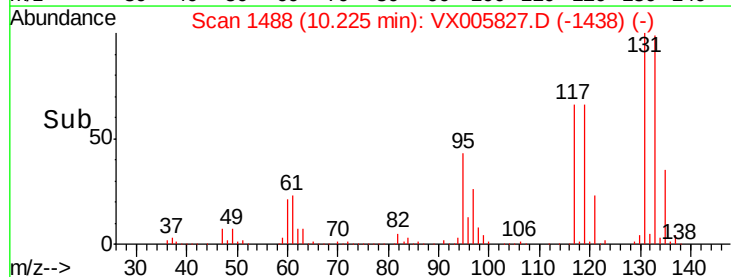
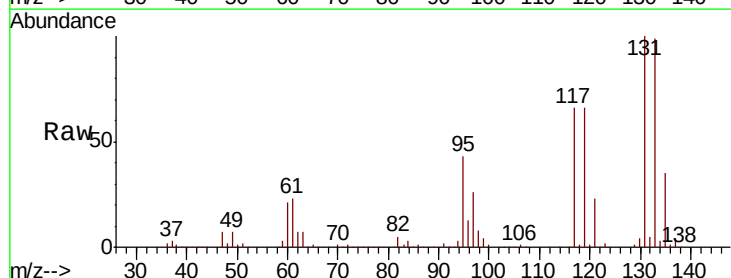
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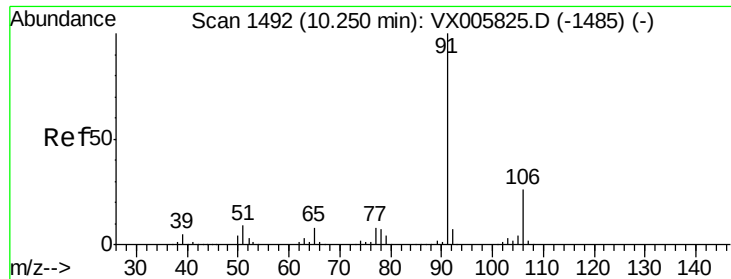
MMDadoda
11/8/2018 10:35:38 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 155.887 ug/l
RT: 10.23 min Scan# 1488
Delta R.T. 0.01 min
Lab File: VX005827.D
Acq: 07 Nov 2018 14:18

Tgt Ion:131 Resp: 171287
Ion Ratio Lower Upper
131 100
133 95.9 47.5 142.5
119 64.2 31.8 95.3





#67

Ethyl Benzene

Concen: 155.576 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX005827.D

Acq: 07 Nov 2018 14:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 91 Resp: 788734

Ion Ratio Lower Upper

91 100

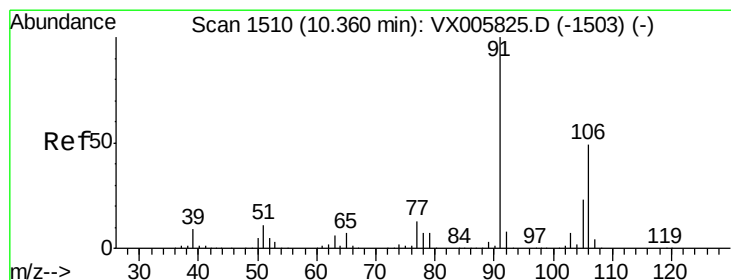
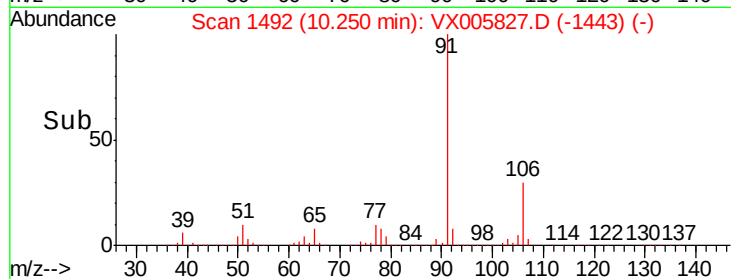
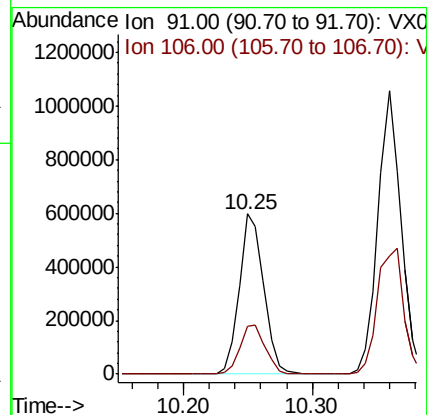
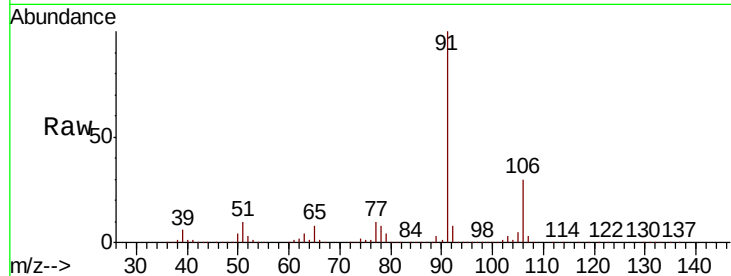
106 29.9 24.4 36.6

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#68

m/p-Xylenes

Concen: 345.170 ug/l

RT: 10.37 min Scan# 1511

Delta R.T. 0.01 min

Lab File: VX005827.D

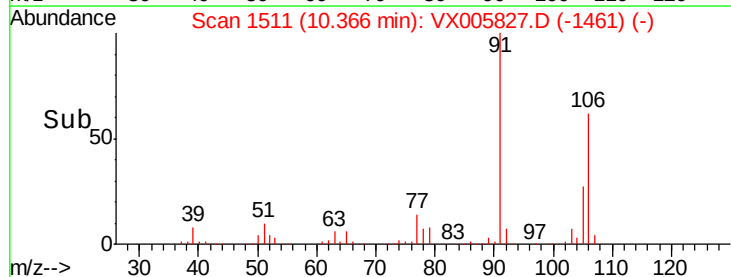
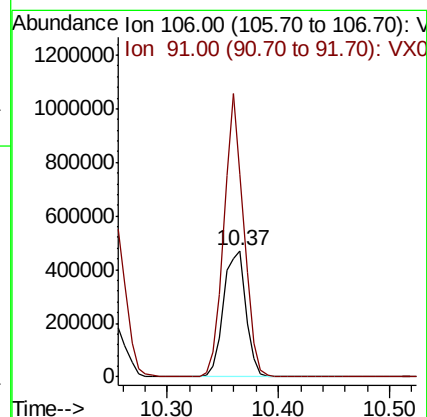
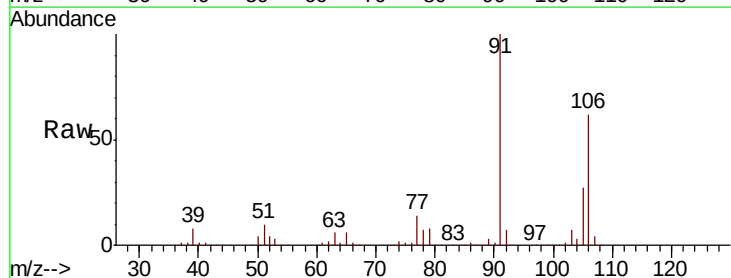
Acq: 07 Nov 2018 14:18

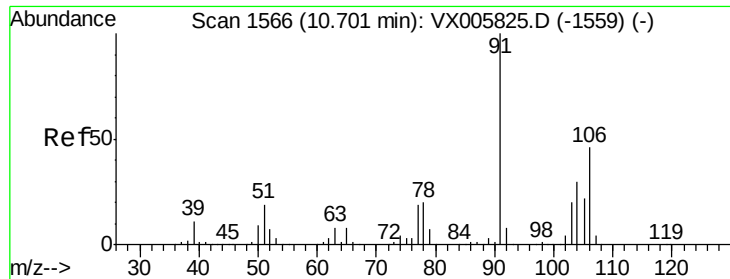
Tgt Ion: 106 Resp: 655186

Ion Ratio Lower Upper

106 100

91 197.4 164.2 246.4





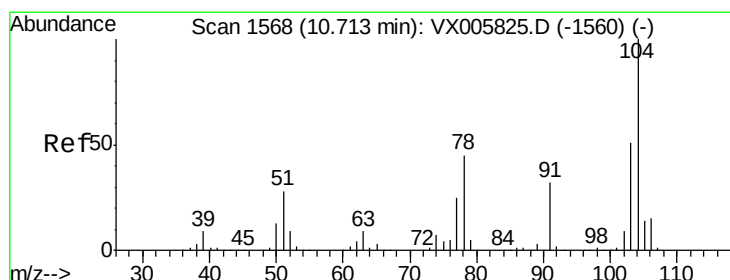
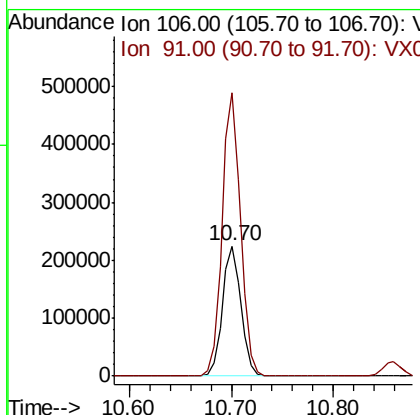
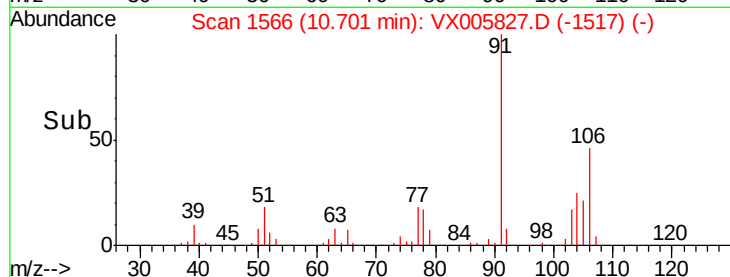
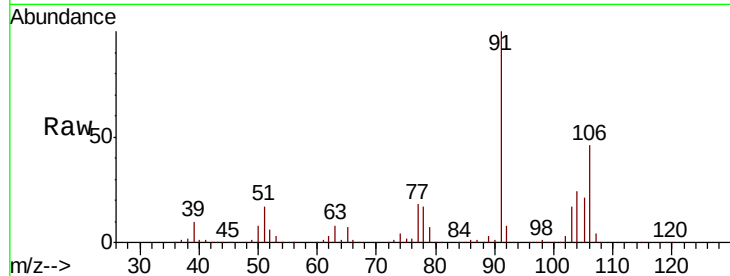
#69
o-Xylene
Concen: 165.082 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX005827.D
Acq: 07 Nov 2018 14:18

Instrument :
MSVOA_X
ClientSampled :
VSTDIC150

Tot Ion:106 Resp: 283286
Ion Ratio Lower Upper
106 100
91 216.9 108.5 325.5

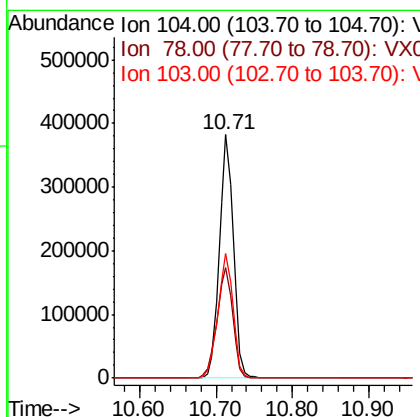
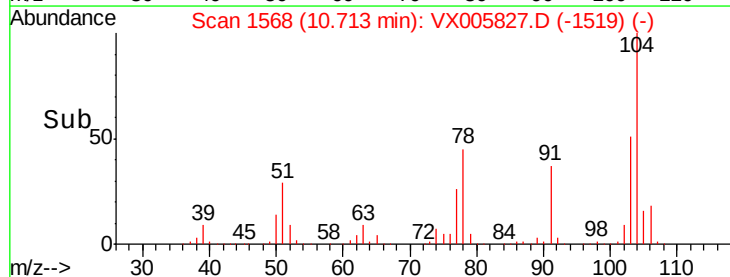
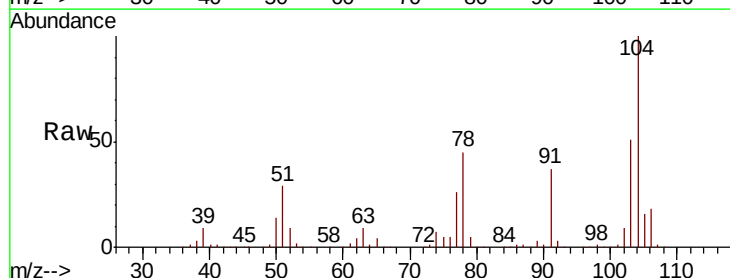
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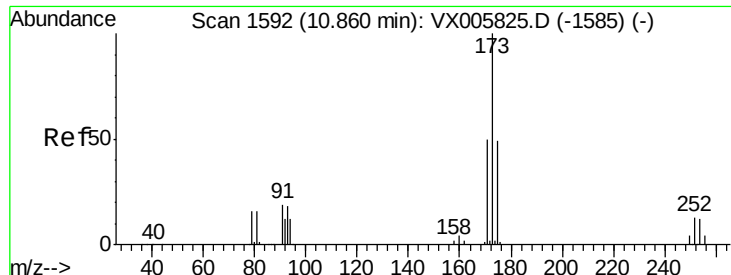
MMDadoda
11/8/2018 10:35:38 AM



#70
Styrene
Concen: 173.242 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX005827.D
Acq: 07 Nov 2018 14:18

Tgt Ion:104 Resp: 486083
Ion Ratio Lower Upper
104 100
78 51.0 40.2 60.4
103 55.7 44.9 67.3





#71

Bromoform

Concen: 184.813 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. -0.00 min

Lab File: VX005827.D

Acq: 07 Nov 2018 14:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:173 Resp: 164964

Ion Ratio Lower Upper

173 100

175 49.0 24.8 74.3

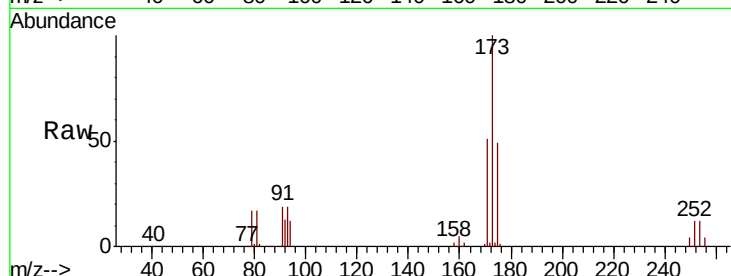
254 0.2 0.2 0.2

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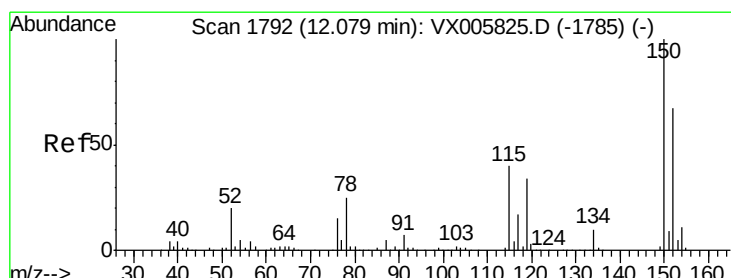
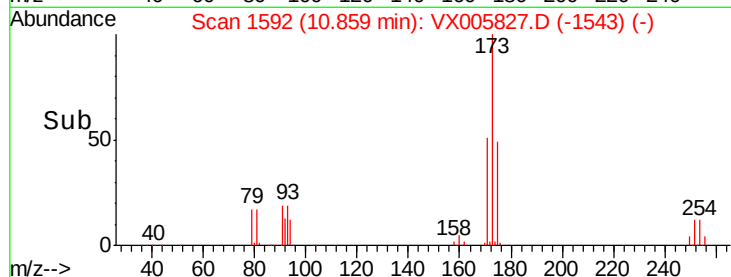
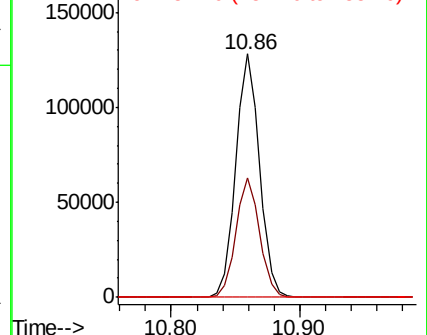
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Abundance Ion 172.70 (172.40 to 173.40): V

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: VX005827.D

Acq: 07 Nov 2018 14:18

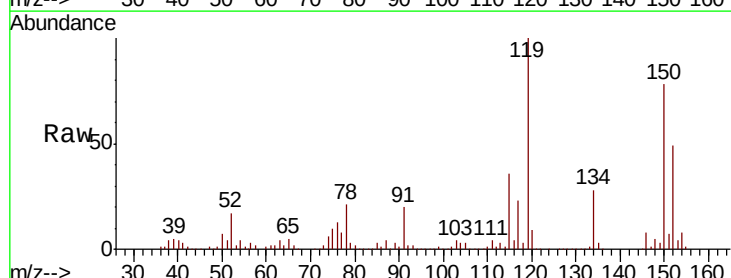
Tgt Ion:152 Resp: 87993

Ion Ratio Lower Upper

152 100

115 122.8 39.4 118.1#

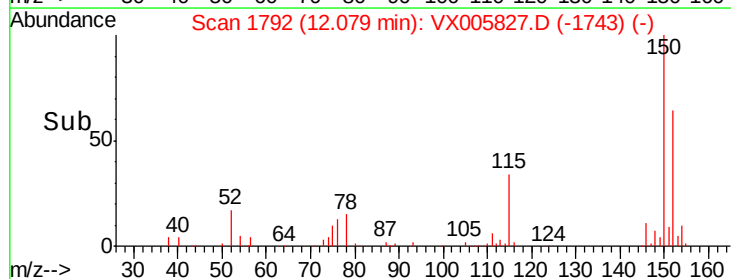
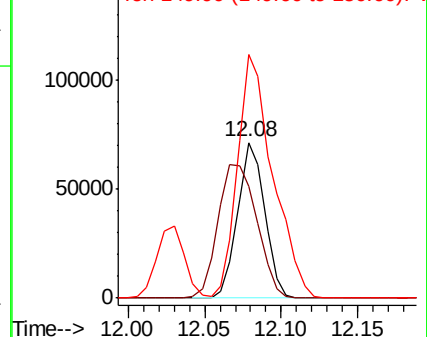
150 204.3 0.0 346.4

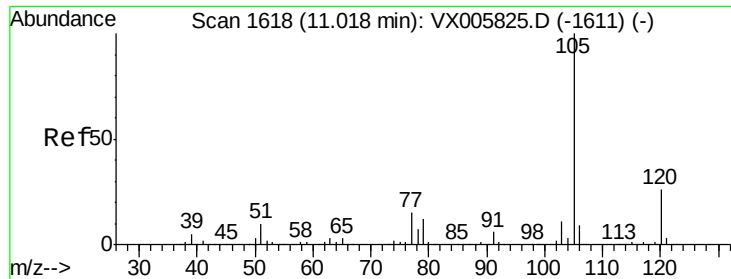


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 151.410 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX005827.D

Acq: 07 Nov 2018 14:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 769249

Ion Ratio Lower Upper

105 100

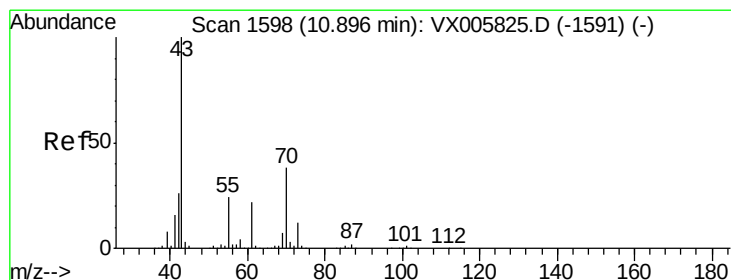
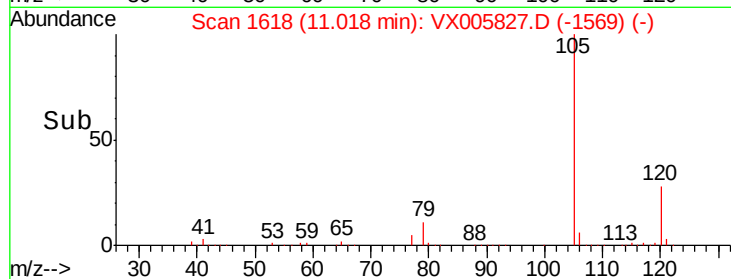
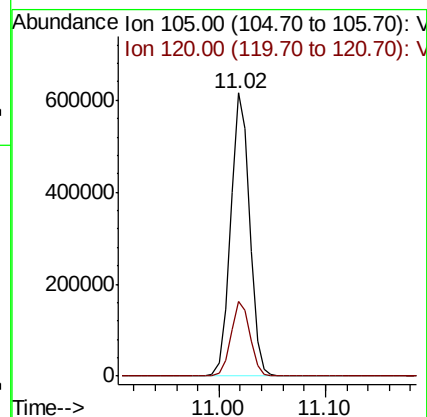
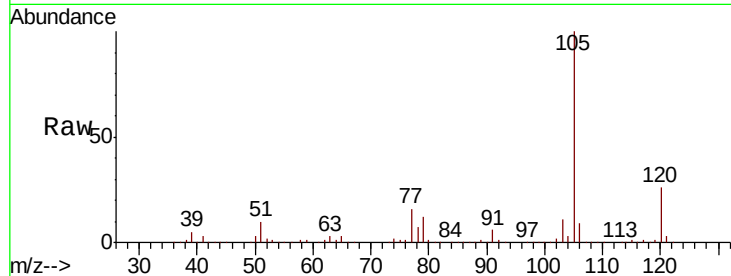
120 26.5 13.1 39.3

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#74

N-ethyl acetate

Concen: 175.409 ug/l

RT: 10.90 min Scan# 1599

Delta R.T. 0.01 min

Lab File: VX005827.D

Acq: 07 Nov 2018 14:18

Tgt Ion: 43 Resp: 442108

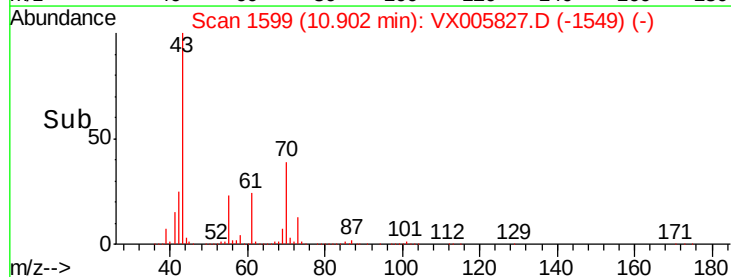
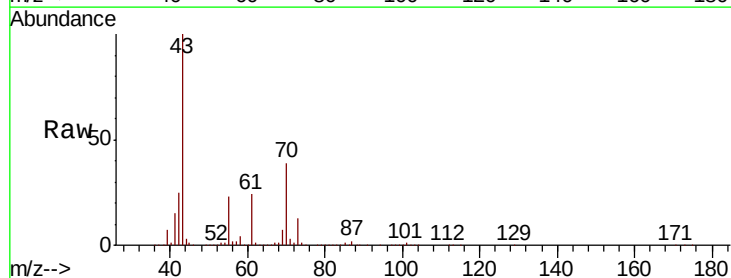
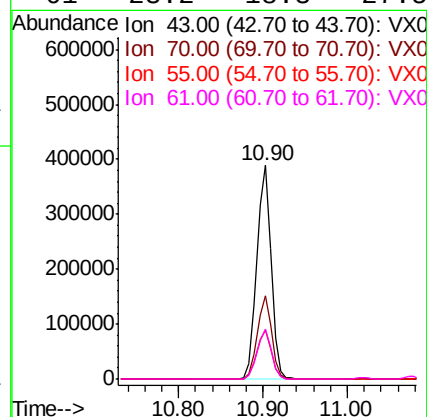
Ion Ratio Lower Upper

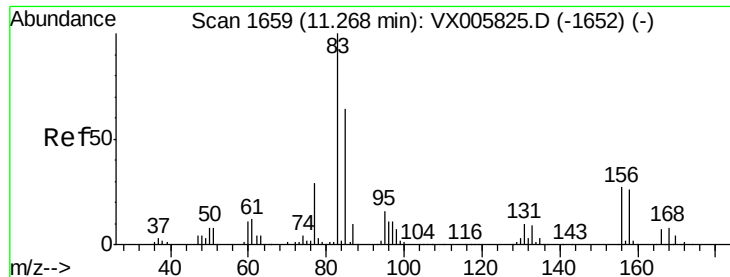
43 100

70 38.7 31.6 47.4

55 23.2 19.7 29.5

61 23.2 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 155.122 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX005827.D

Acq: 07 Nov 2018 14:18

Instrument :

MSVOA_X

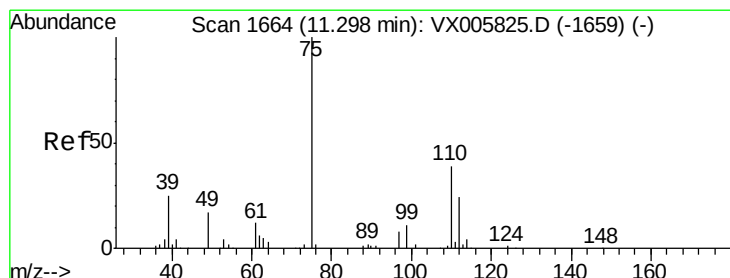
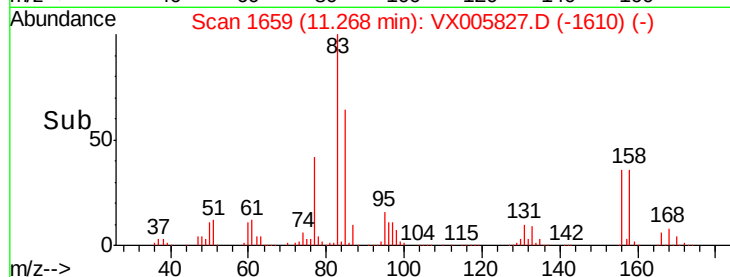
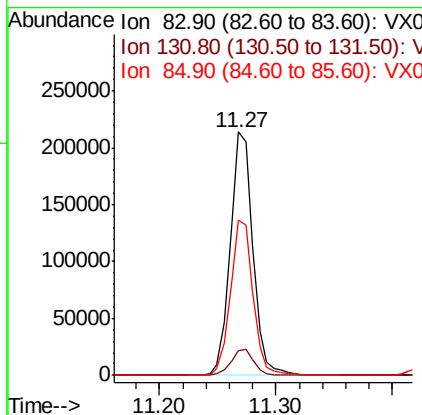
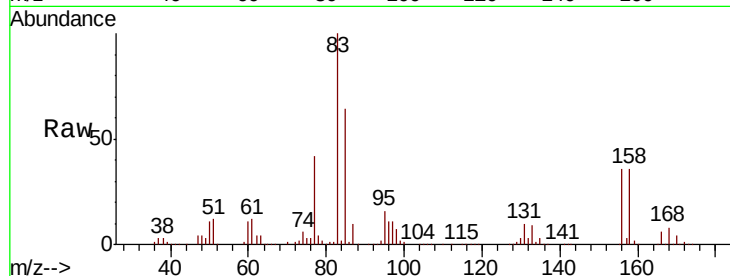
ClientSampleId :

VSTDIC150

Tot Ion:	83	Resp:	288085
Ion Ratio	Lower	Upper	
83	100		
131	10.5	5.3	15.9
85	64.2	32.0	96.2

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#76

1,2,3-Trichloropropane

Concen: 142.337 ug/l m

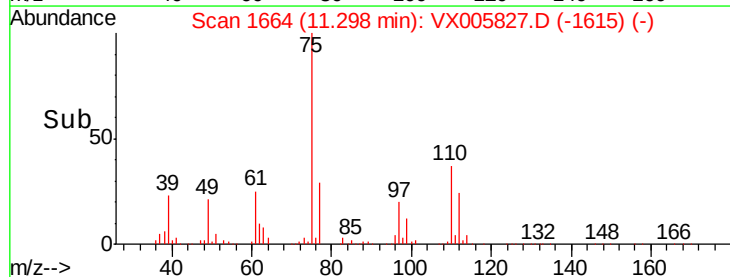
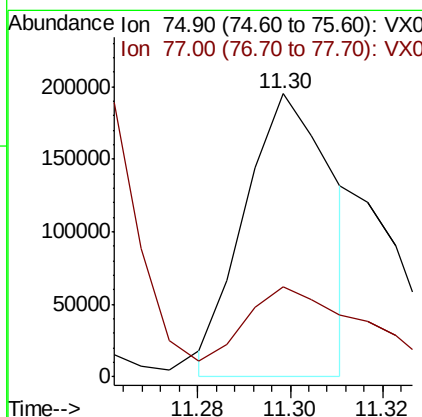
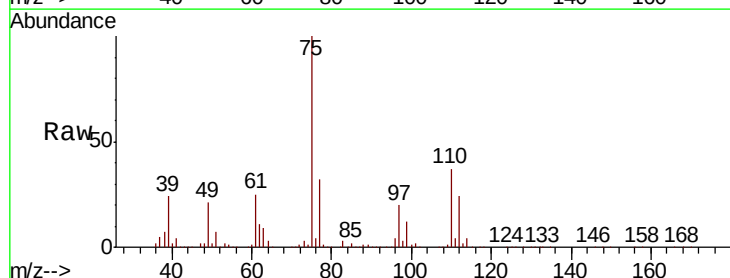
RT: 11.30 min Scan# 1664

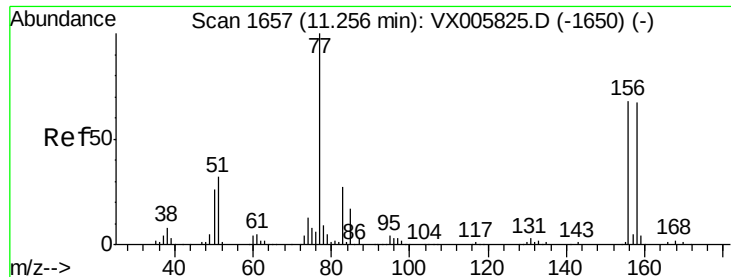
Delta R.T. -0.00 min

Lab File: VX005827.D

Acq: 07 Nov 2018 14:18

Tgt Ion:	75	Resp:	257219
Ion Ratio	Lower	Upper	
75	100		
77	44.4	20.5	61.6





#77

Bromobenzene

Concen: 146.993 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX005827.D

Acq: 07 Nov 2018 14:18

Instrument :

MSVOA_X

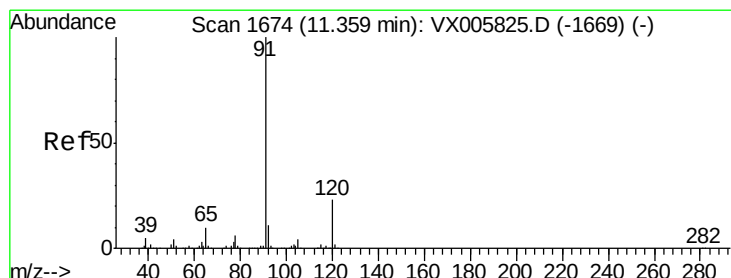
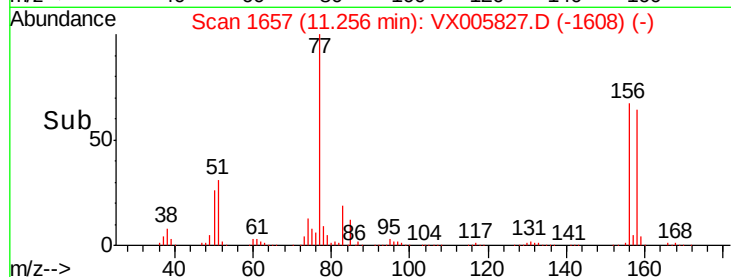
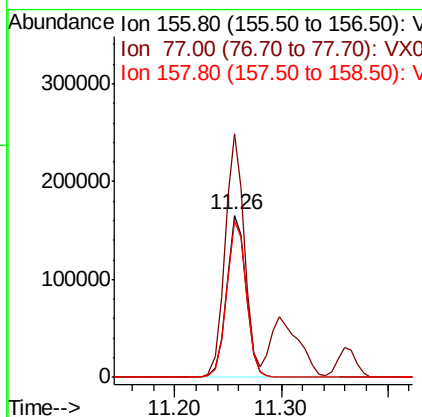
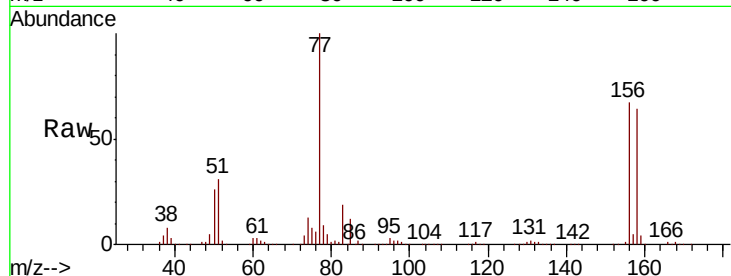
ClientSampleId :

VSTDIC150

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100		211532		
77	149.0	74.8	224.4		
158	97.4	49.1	147.3		

Manual Integrations
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11/8/2018 10:35:38 AM



#78

n-propylbenzene

Concen: 157.147 ug/l

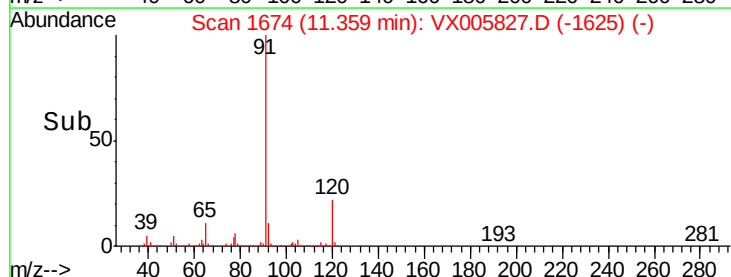
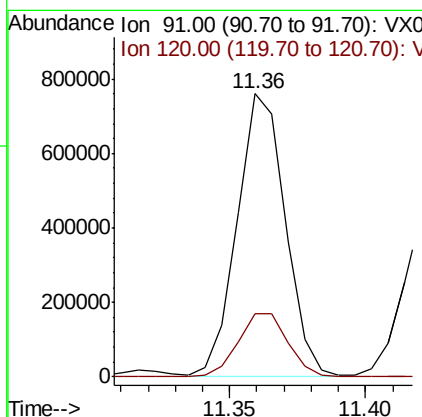
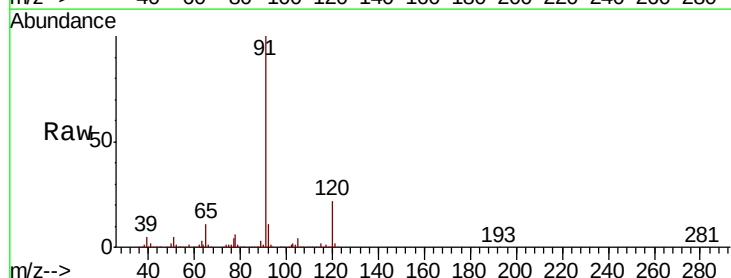
RT: 11.36 min Scan# 1674

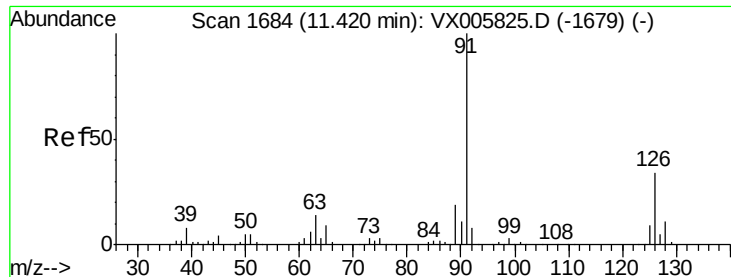
Delta R.T. -0.00 min

Lab File: VX005827.D

Acq: 07 Nov 2018 14:18

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		934984		
120	23.0	11.9	35.5		





#79

2-Chlorotoluene

Concen: 152.446 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX005827.D

Acq: 07 Nov 2018 14:18

Instrument :

MSVOA_X

ClientSampled :

VSTDICC150

Tot Ion: 91 Resp: 551090

Ion Ratio Lower Upper

91 100

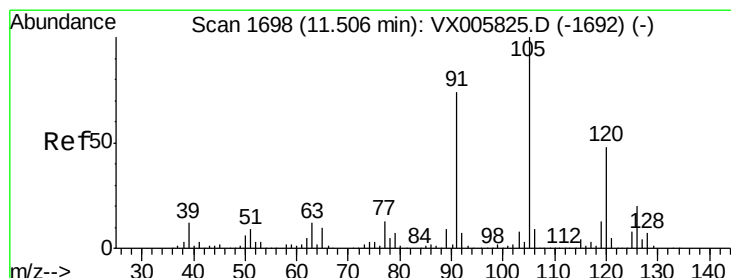
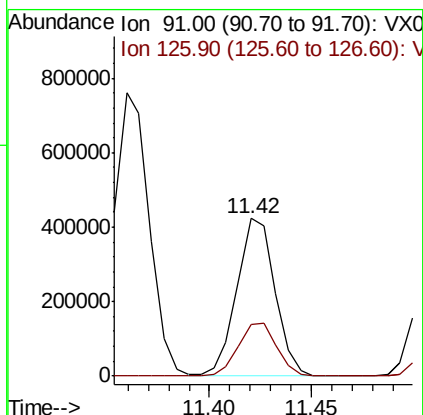
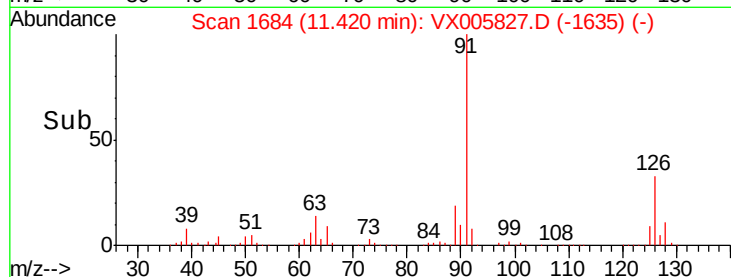
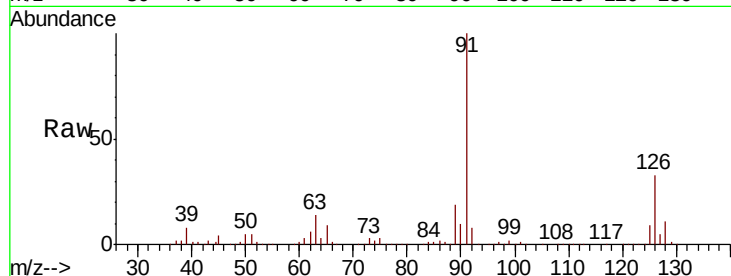
126 34.1 17.3 52.0

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 161.199 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX005827.D

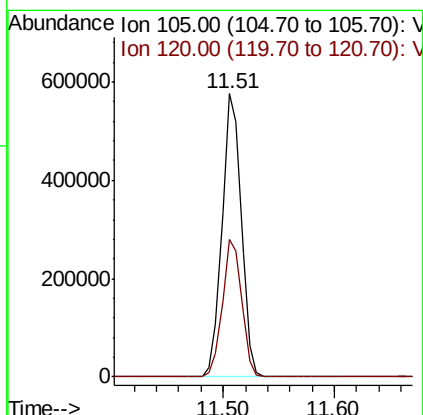
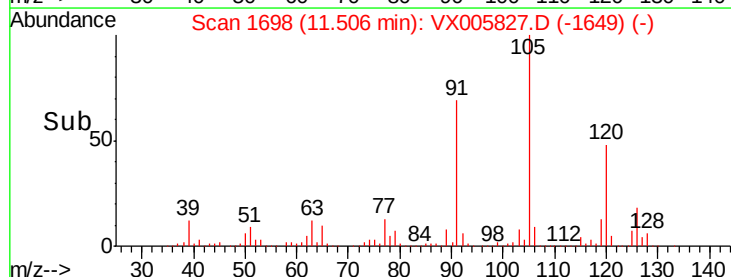
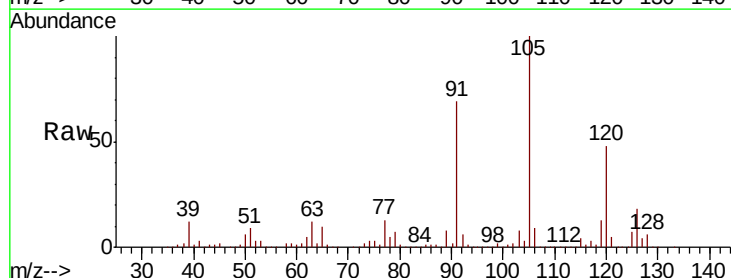
Acq: 07 Nov 2018 14:18

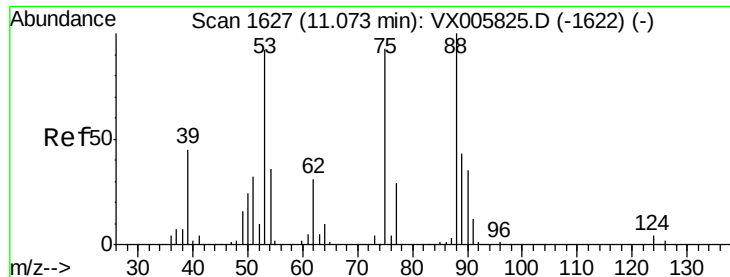
Tgt Ion: 105 Resp: 688491

Ion Ratio Lower Upper

105 100

120 48.6 24.1 72.2





#81

trans-1,4-Dichloro-2-butene

Concen: 175.896 ug/l

RT: 11.08 min Scan# 1628

Delta R.T. 0.01 min

Lab File: VX005827.D

Acq: 07 Nov 2018 14:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 75 Resp: 96118

Ion Ratio Lower Upper

75 100

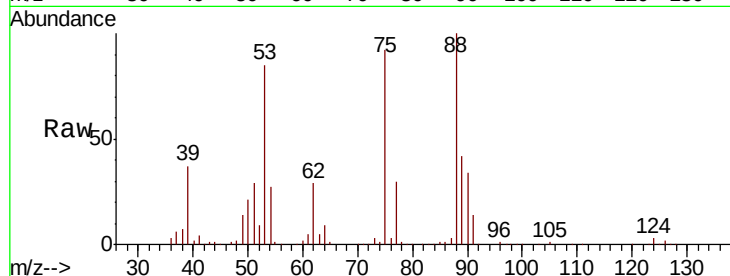
53 93.8 80.2 120.2

89 45.5 39.8 59.8

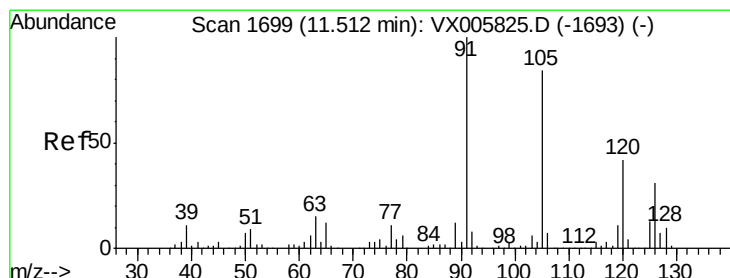
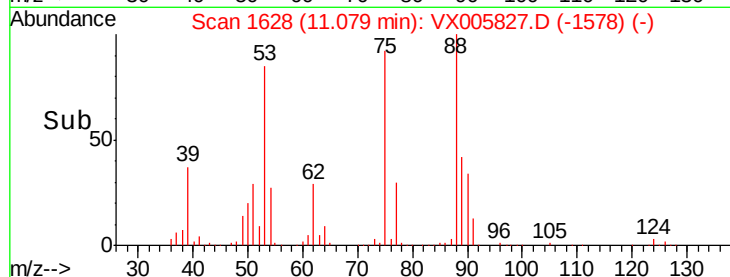
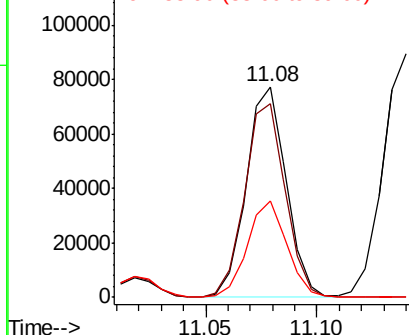
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Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 53.00 (52.70 to 53.70): VX0
Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 157.968 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VX005827.D

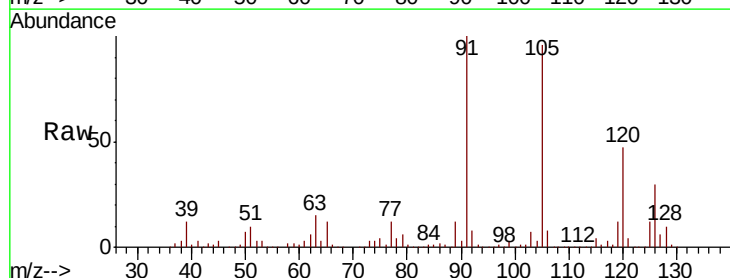
Acq: 07 Nov 2018 14:18

Tgt Ion: 91 Resp: 668910

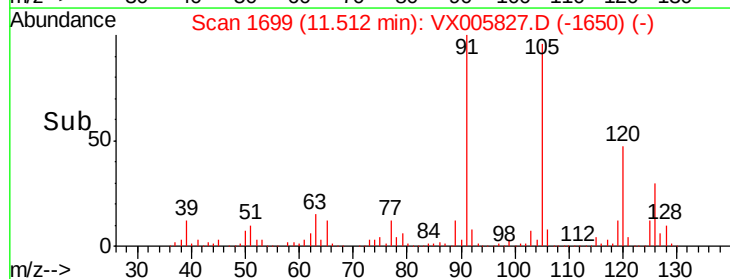
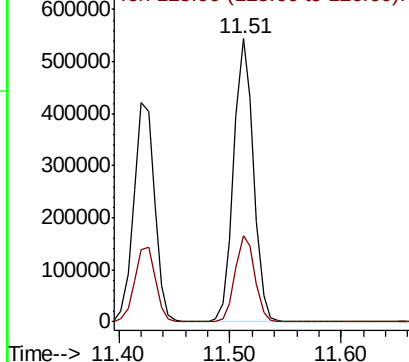
Ion Ratio Lower Upper

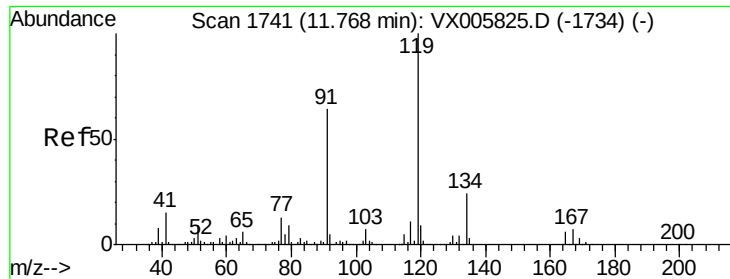
91 100

126 30.3 15.2 45.6



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 125.90 (125.60 to 126.60): V





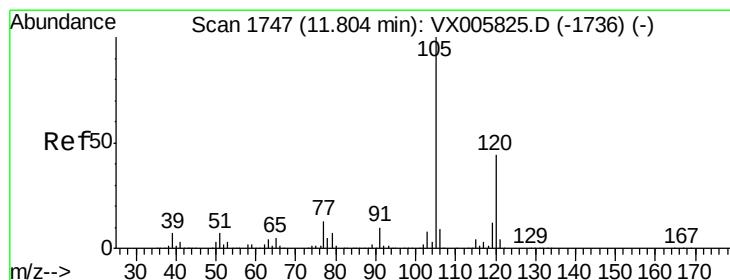
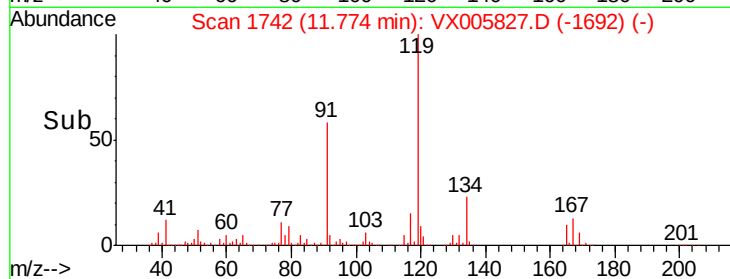
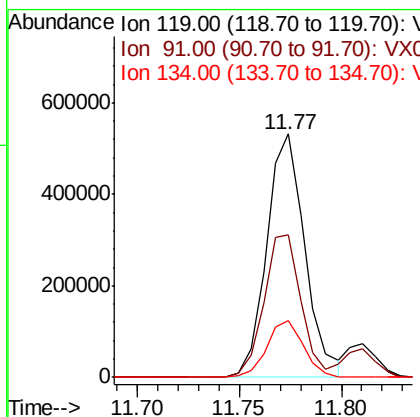
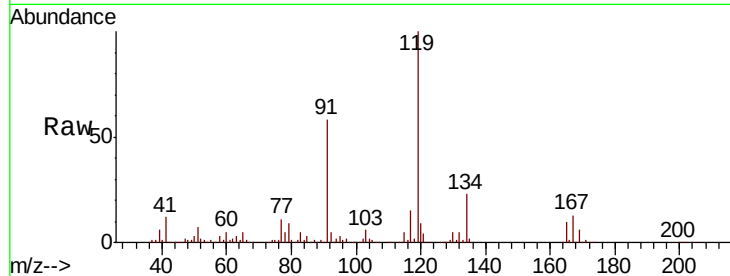
#83
tert-Butylbenzene
Concen: 160.285 ug/l
RT: 11.77 min Scan# 1742
Delta R.T. 0.01 min
Lab File: VX005827.D
Acq: 07 Nov 2018 14:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tot Ion	Ratio	Resp	Lower	Upper
119	100	693271		
91	56.6	28.5	85.5	
134	22.4	11.3	33.8	

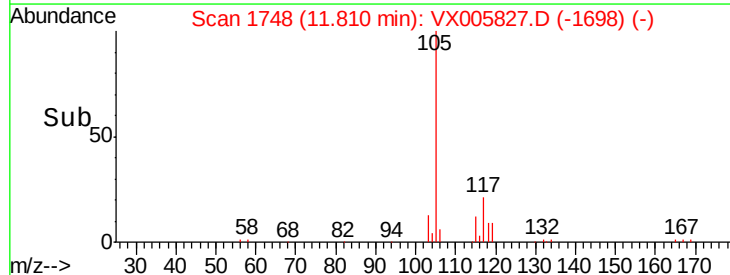
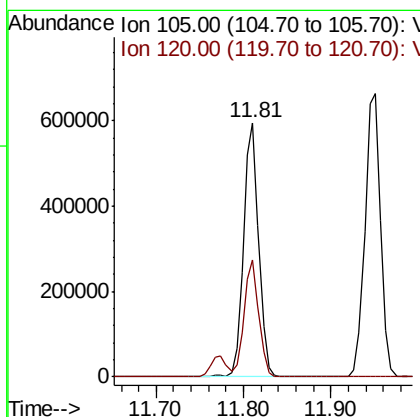
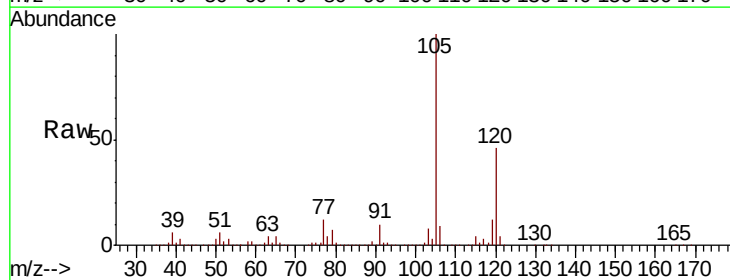
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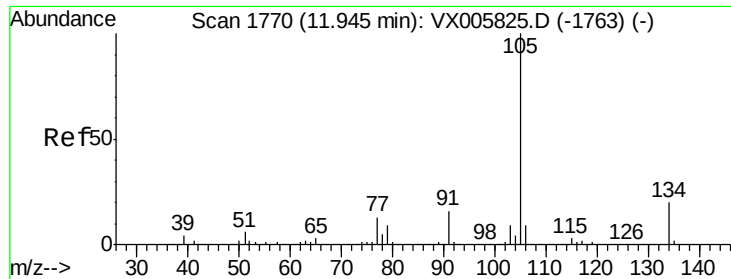
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 161.409 ug/l
RT: 11.81 min Scan# 1748
Delta R.T. 0.01 min
Lab File: VX005827.D
Acq: 07 Nov 2018 14:18

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	713451		
120	44.7	22.4	67.0	





#85

sec-Butylbenzene

Concen: 156.029 ug/l

RT: 11.95 min Scan# 1771

Delta R.T. 0.01 min

Lab File: VX005827.D

Acq: 07 Nov 2018 14:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 829135

Ion Ratio Lower Upper

105 100

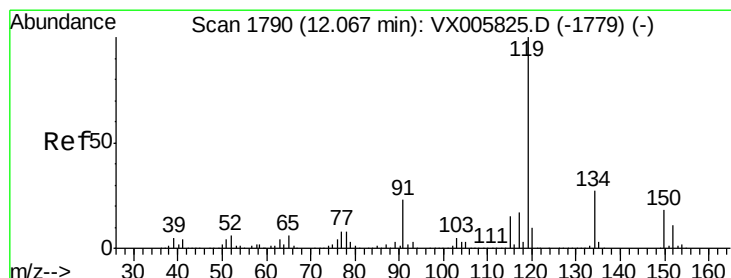
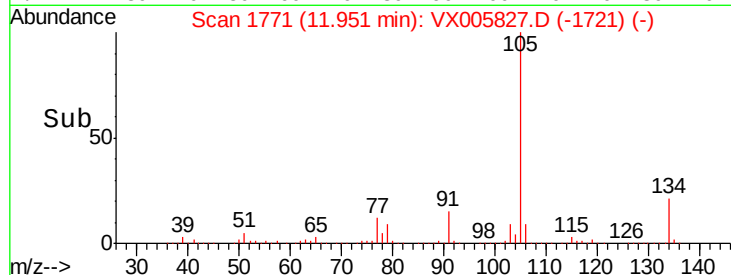
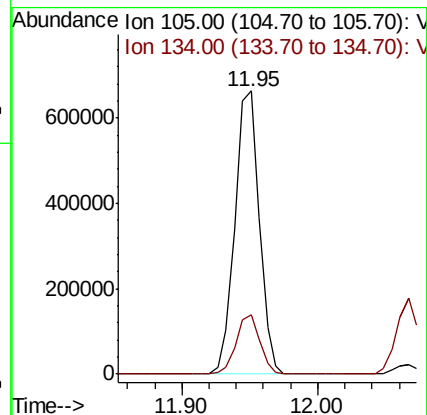
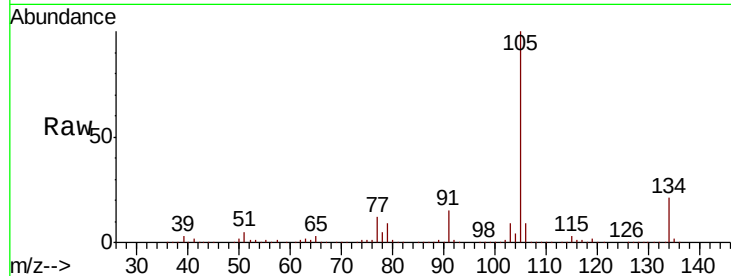
134 20.4 10.2 30.4

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 163.204 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. -0.00 min

Lab File: VX005827.D

Acq: 07 Nov 2018 14:18

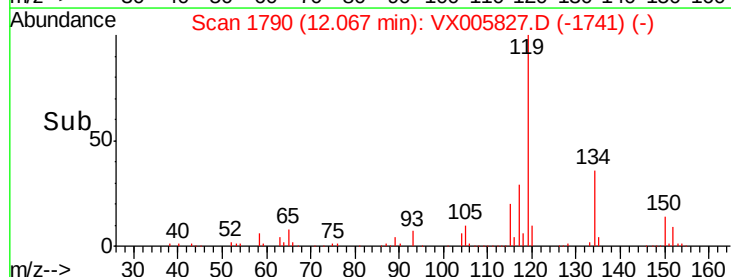
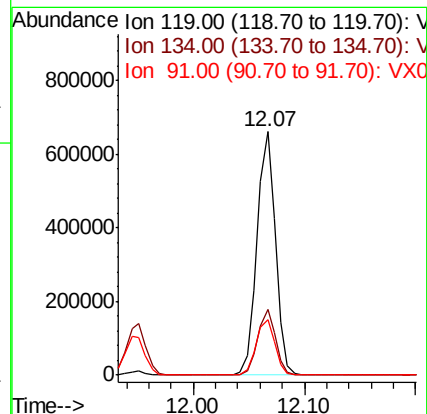
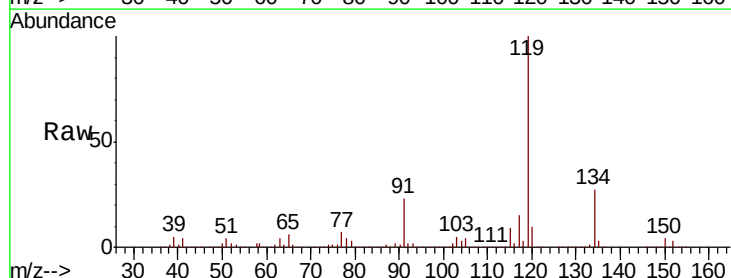
Tgt Ion:119 Resp: 762170

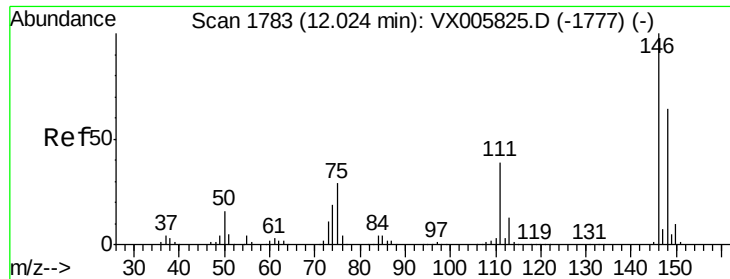
Ion Ratio Lower Upper

119 100

134 26.4 13.0 39.0

91 23.2 11.4 34.2





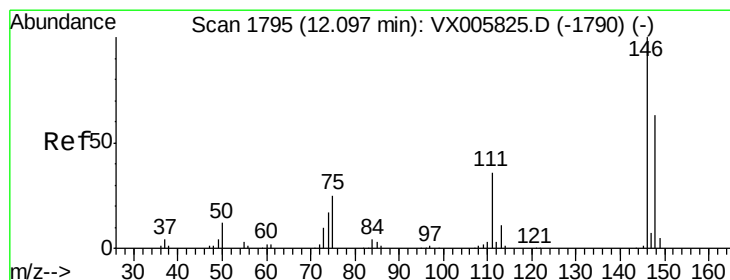
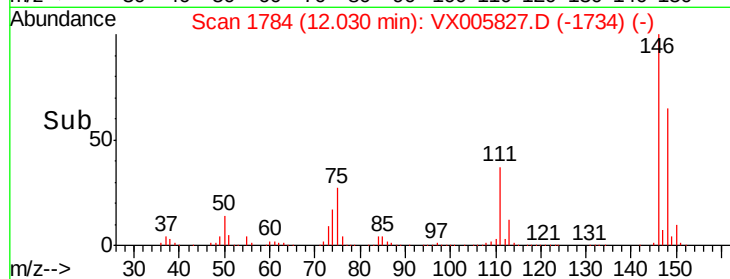
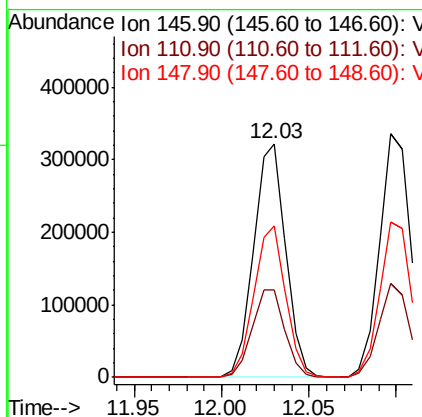
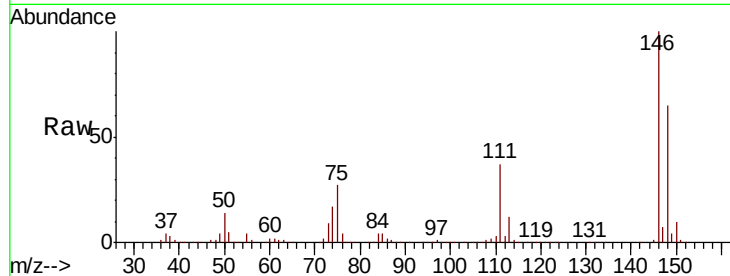
#87
 1,3-Dichlorobenzene
 Concen: 148.641 ug/l
 RT: 12.03 min Scan# 1784
 Delta R.T. 0.01 min
 Lab File: VX005827.D
 Acq: 07 Nov 2018 14:18

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.4	19.0	57.0
148	64.0	31.9	95.9

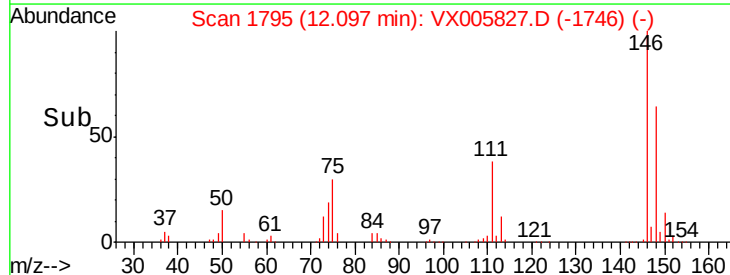
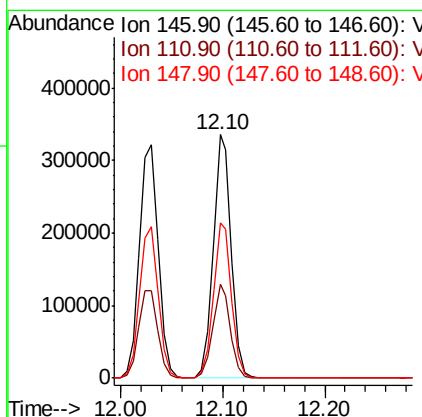
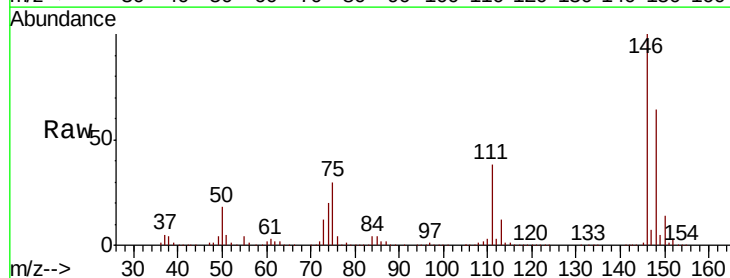
Manual Integrations
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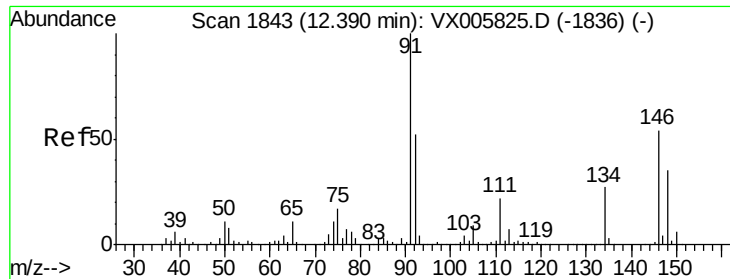
MMDadoda
 11/8/2018 10:35:38 AM



#88
 1,4-Dichlorobenzene
 Concen: 146.997 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX005827.D
 Acq: 07 Nov 2018 14:18

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.4	18.6	55.8
148	64.3	32.1	96.3





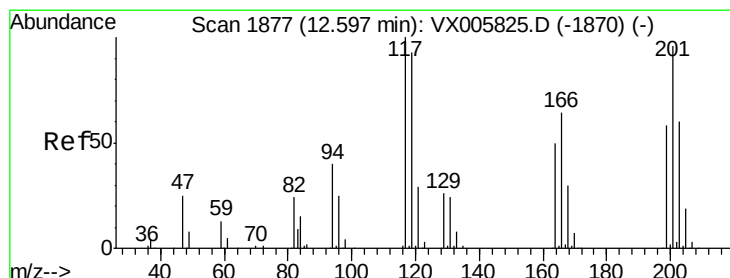
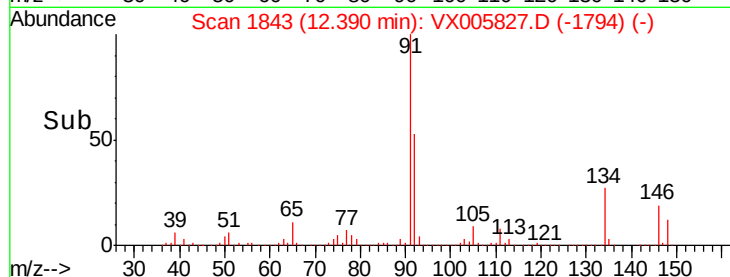
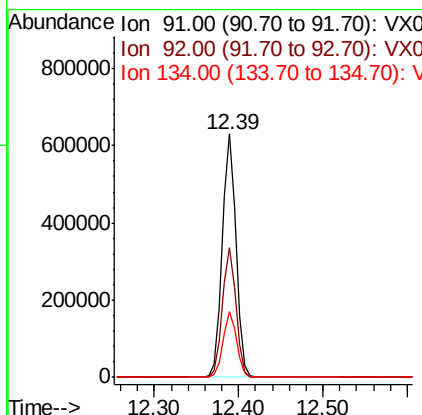
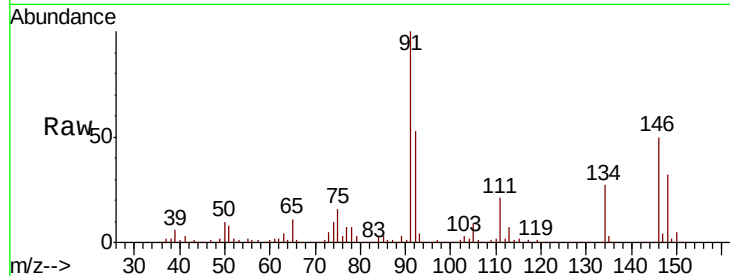
#89
n-Butylbenzene
Concen: 165.197 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX005827.D
Acq: 07 Nov 2018 14:18

Instrument :
MSVOA_X
ClientSampled :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.8	26.1	78.2
134	26.6	13.1	39.3

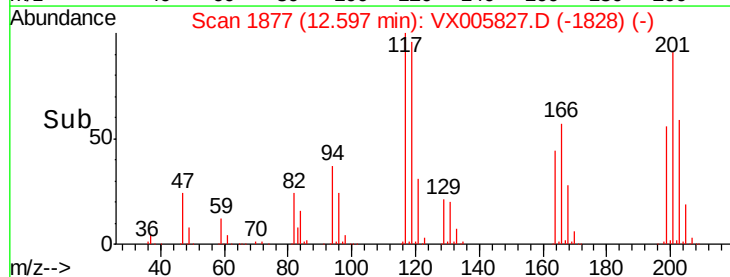
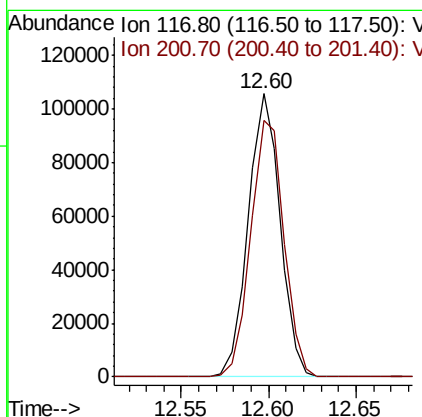
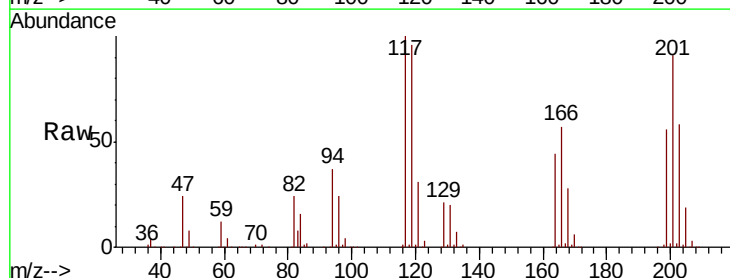
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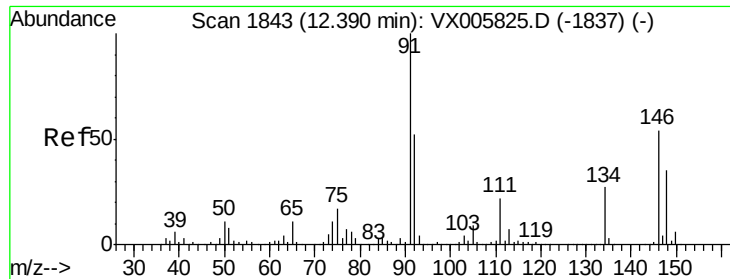
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#90
Hexachloroethane
Concen: 173.324 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX005827.D
Acq: 07 Nov 2018 14:18

Tgt Ion	Ratio	Lower	Upper
117	100		
201	94.5	47.9	143.6





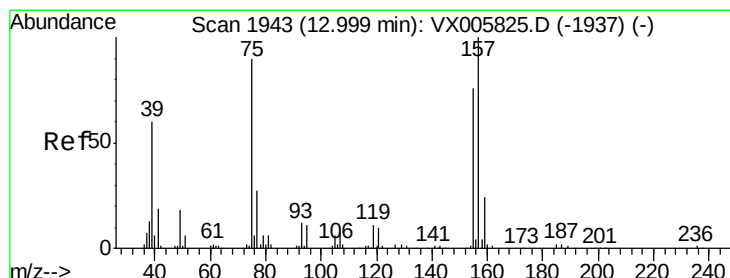
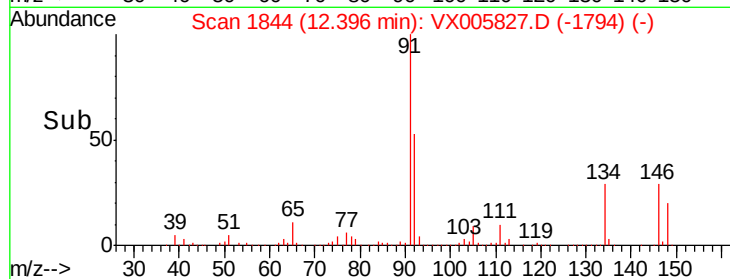
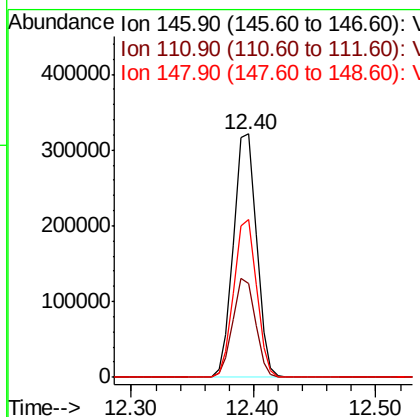
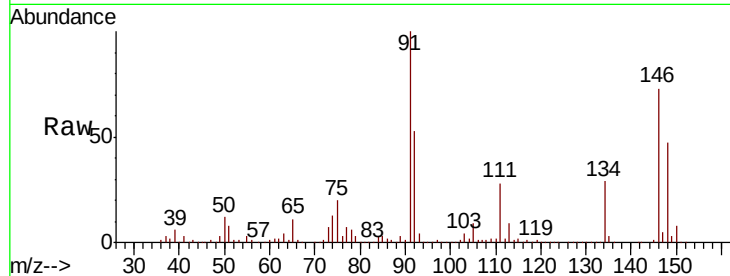
#91
 1,2-Dichlorobenzene
 Concen: 151.906 ug/l
 RT: 12.40 min Scan# 1844
 Delta R.T. 0.01 min
 Lab File: VX005827.D
 Acq: 07 Nov 2018 14:18

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC150

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.8	20.0	59.9
148	64.1	32.2	96.6

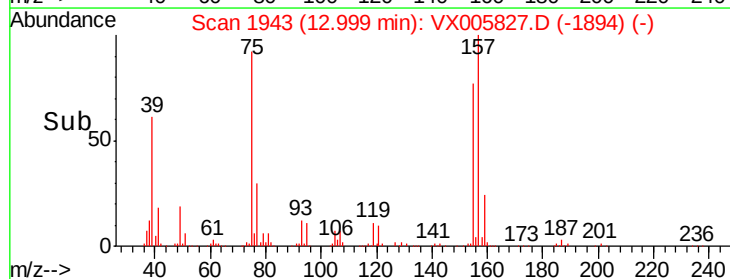
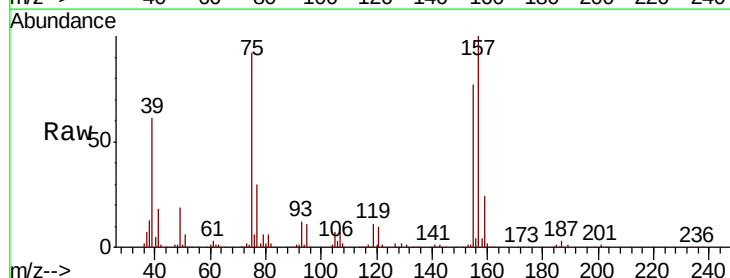
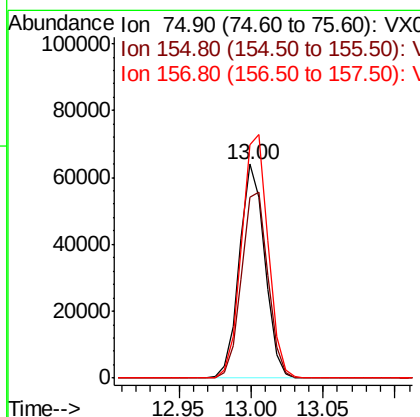
Manual Integrations
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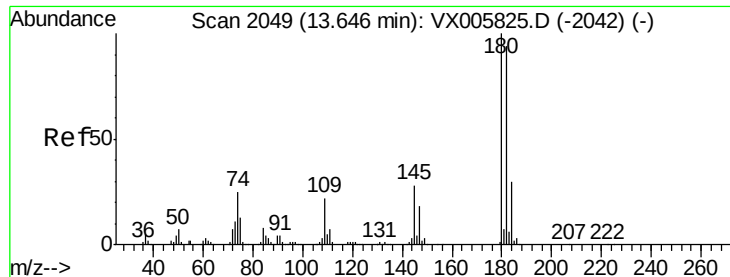
MMDadoda
 11/8/2018 10:35:38 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 177.101 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX005827.D
 Acq: 07 Nov 2018 14:18

Tgt Ion	Ratio	Lower	Upper
75	100		
155	90.3	45.4	136.1
157	117.9	57.4	172.0





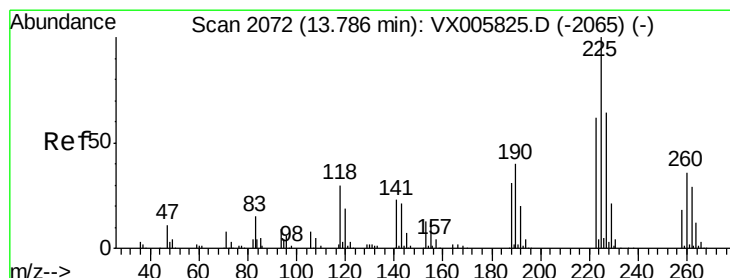
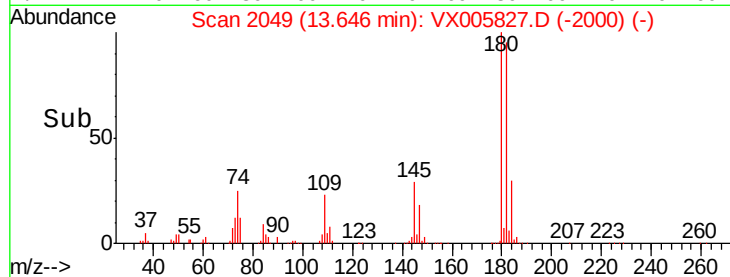
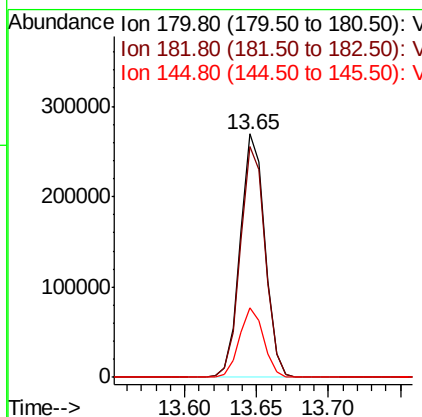
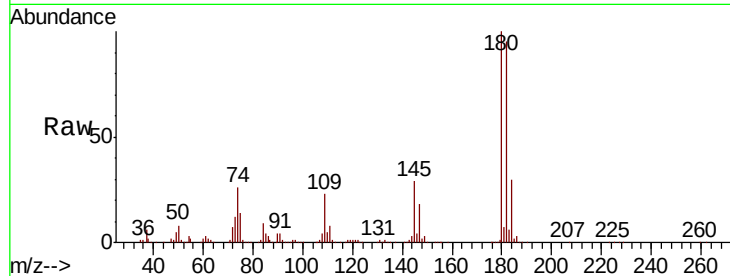
#93
 1,2,4-Trichlorobenzene
 Concen: 167.691 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX005827.D
 Acq: 07 Nov 2018 14:18

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
180	100	319241		
182	95.6	47.6	142.8	
145	28.3	14.1	42.2	

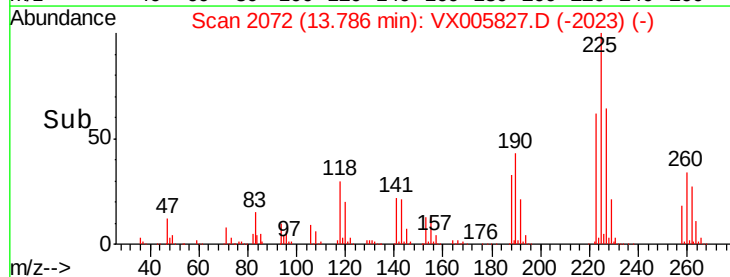
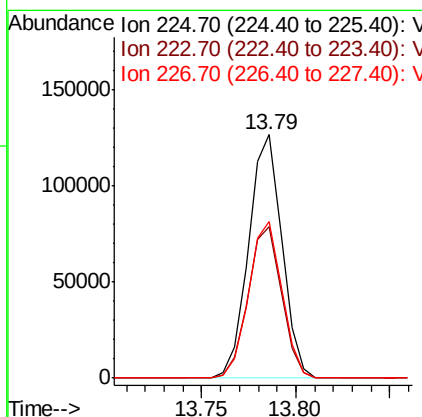
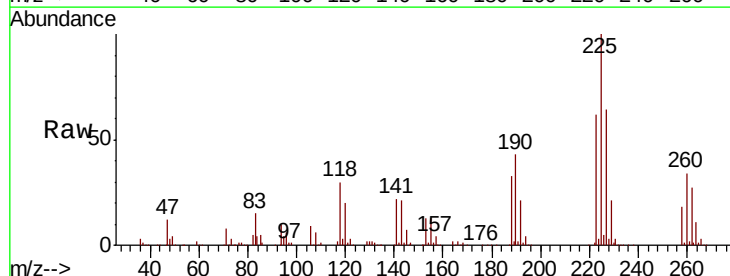
Manual Integrations
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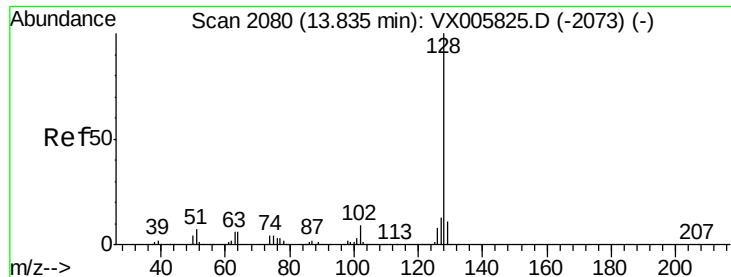
MMDadoda
 11/8/2018 10:35:38 AM



#94
 Hexachlorobutadiene
 Concen: 152.200 ug/l
 RT: 13.79 min Scan# 2072
 Delta R.T. -0.00 min
 Lab File: VX005827.D
 Acq: 07 Nov 2018 14:18

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	154816		
223	62.7	31.7	95.1	
227	64.4	32.3	96.9	





#95

Naphthalene

Concen: 176.325 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX005827.D

Acq: 07 Nov 2018 14:18

Instrument :

MSVOA_X

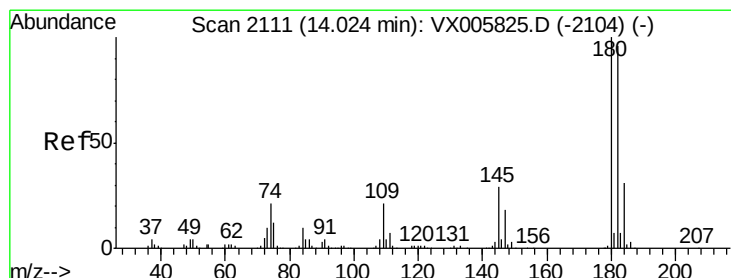
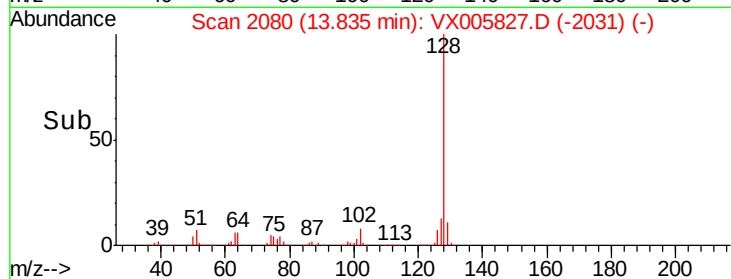
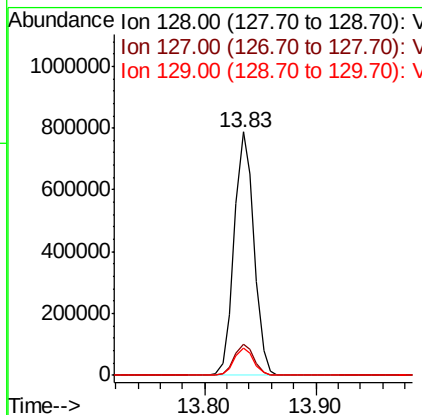
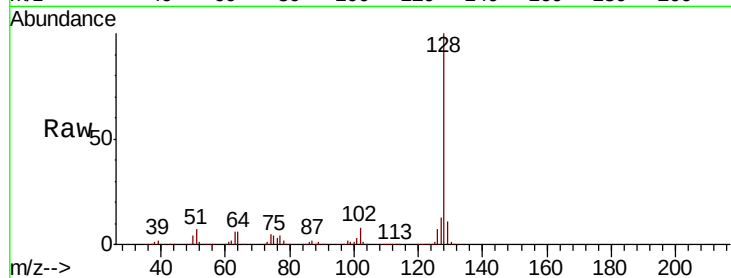
ClientSampleId :

VSTDIC150

Tot Ion:	128	Resp:	963256
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.4	15.6
129	11.0	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
11/8/2018 10:35:38 AM



#96

1,2,3-Trichlorobenzene

Concen: 160.426 ug/l

RT: 14.02 min Scan# 2111

Delta R.T. -0.00 min

Lab File: VX005827.D

Acq: 07 Nov 2018 14:18

Tgt Ion:	180	Resp:	313627
Ion Ratio	Lower	Upper	
180	100		
182	95.9	48.0	144.2
145	29.9	15.1	45.3

