

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX112118\
 Data File : VX006162.D
 Acq On : 22 Nov 2018 09:22
 Operator : JC/MD
 Sample : J6030-03MSD 20X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 54 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 DTW-03MSD

Manual Integrations
 APPROVED

MMDadoda
 11/26/2018 9:49:34 AM

Quant Time: Nov 22 23:26:46 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112018W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 21 08:15:54 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	261631	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	398975	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	367149	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	202081	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	176950	58.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.74%	
35) Dibromofluoromethane	5.50	113	143395	55.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.98%	
50) Toluene-d8	8.71	98	503971	51.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.18%	
62) 4-Bromofluorobenzene	11.13	95	189881	51.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.62%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	90380	46.487	ug/l	100
3) Chloromethane	1.32	50	148423	60.433	ug/l	98
4) Vinyl Chloride	1.41	62	127088	50.872	ug/l	96
5) Bromomethane	1.64	94	67171	36.077	ug/l	97
6) Chloroethane	1.72	64	144033	96.789	ug/l	95
7) Trichlorofluoromethane	1.93	101	161694	49.477	ug/l	99
8) Diethyl Ether	2.19	74	75428	54.600	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.39	101	87733	45.273	ug/l	99
10) Methyl Iodide	2.51	142	105562	43.448	ug/l	100
11) Tert butyl alcohol	3.06	59	181884	282.028	ug/l	97
12) 1,1-Dichloroethene	2.37	96	91498	48.433	ug/l	100
13) Acrolein	2.29	56	29023	75.207	ug/l	98
14) Allyl chloride	2.73	41	198361	51.322	ug/l	# 83
15) Acrylonitrile	3.15	53	390782	274.337	ug/l	99
16) Acetone	2.45	43	400660	297.826	ug/l	99
17) Carbon Disulfide	2.57	76	10803830	2117.963	ug/l	98
18) Methyl Acetate	2.78	43	200934	58.244	ug/l	100
19) Methyl tert-butyl Ether	3.20	73	383489	58.728	ug/l	99
20) Methylene Chloride	2.86	84	116219	57.126	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	103809	52.519	ug/l	94
22) Diisopropyl ether	3.87	45	491655	59.422	ug/l	92
23) Vinyl Acetate	3.82	43	2182613	317.965	ug/l	100
24) 1,1-Dichloroethane	3.70	63	211381	54.228	ug/l	99
25) 2-Butanone	4.70	43	697507	279.335	ug/l	100
26) 2,2-Dichloropropane	4.59	77	124474	38.744	ug/l	97
27) cis-1,2-Dichloroethene	4.60	96	147717	53.470	ug/l	98
28) Bromochloromethane	5.02	49	130556	57.467	ug/l	97
29) Tetrahydrofuran	5.15	42	445983	286.311	ug/l	100
30) Chloroform	5.21	83	254452	53.867	ug/l	99
31) Cyclohexane	5.57	56	183227	45.001	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	207309	54.353	ug/l	99
36) 1,1-Dichloropropene	5.80	75	167792	46.228	ug/l	99
37) Ethyl Acetate	4.85	43	254567	54.513	ug/l	100
38) Carbon Tetrachloride	5.79	117	173604	50.886	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	178852	43.252	ug/l	97
40) Benzene	6.14	78	590212	55.192	ug/l	99
41) Methacrylonitrile	5.06	41	137706	53.510	ug/l	99
42) 1,2-Dichloroethane	6.20	62	212757	53.216	ug/l	100
43) Isopropyl Acetate	6.46	43	384427	57.003	ug/l	99
44) Trichloroethene	7.21	130	142004	47.778	ug/l	98
45) 1,2-Dichloropropane	7.52	63	151529	53.543	ug/l	97
46) Dibromomethane	7.66	93	104631	53.986	ug/l	100
47) Bromodichloromethane	7.90	83	200017	55.799	ug/l	99
48) Methyl methacrylate	7.77	41	203005	59.353	ug/l	99
49) 1,4-Dioxane	7.75	88	81593	1005.514	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	1357542	280.788	ug/l	100
52) Toluene	8.79	92	350736	53.026	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	199385	53.303	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	209186	50.587	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	153605	53.622	ug/l	96
56) Ethyl methacrylate	9.18	69	235390	52.610	ug/l	98
57) 1,3-Dichloropropane	9.37	76	254041	53.803	ug/l	100
59) 2-Hexanone	9.49	43	1073311	279.733	ug/l	100
60) Dibromochloromethane	9.59	129	161828	57.621	ug/l	99
61) 1,2-Dibromoethane	9.67	107	164211	55.643	ug/l	100
64) Tetrachloroethene	9.34	164	120207	39.785	ug/l	98
65) Chlorobenzene	10.14	112	385628	51.205	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	145957	56.452	ug/l	99
67) Ethyl Benzene	10.25	91	648773	52.613	ug/l	99
68) m/p-Xylenes	10.36	106	519108	108.111	ug/l	99
69) o-Xylene	10.70	106	254458	55.480	ug/l	99
70) Stvrene	10.71	104	392412	52.473	ug/l	98
71) Bromoform	10.86	173	135104	58.376	ug/l #	99
73) Isopropylbenzene	11.02	105	634307	51.878	ug/l	99
74) N-amyl acetate	10.90	43	353134	56.368	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	261488	56.748	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	233559m	56.138	ug/l	
77) Bromobenzene	11.26	156	182944	53.411	ug/l	99
78) n-propylbenzene	11.36	91	731701	51.386	ug/l	100
79) 2-Chlorotoluene	11.42	91	445810	51.751	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	543699	52.741	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	57920	47.086	ug/l	95
82) 4-Chlorotoluene	11.51	91	527045	52.425	ug/l	100
83) tert-Butylbenzene	11.77	119	547955	54.447	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	579296	55.090	ug/l	100
85) sec-Butylbenzene	11.94	105	627659	50.988	ug/l	100
86) p-Isopropyltoluene	12.06	119	568356	51.785	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	323445	51.215	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	329839	50.380	ug/l	100
89) n-Butylbenzene	12.39	91	498318	50.148	ug/l	99
90) Hexachloroethane	12.60	117	93863	53.592	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	336284	52.083	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	63120	59.034	ug/l	98
93) 1,2,4-Trichlorobenzene	13.65	180	250004	54.964	ug/l	99

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QLast Update : Wed Nov 21 08:15:54 2018
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.78	225	105941	47.791	ug/l	99
95) Naphthalene	13.83	128	1228866	91.878	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	258022	55.643	ug/l	99

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

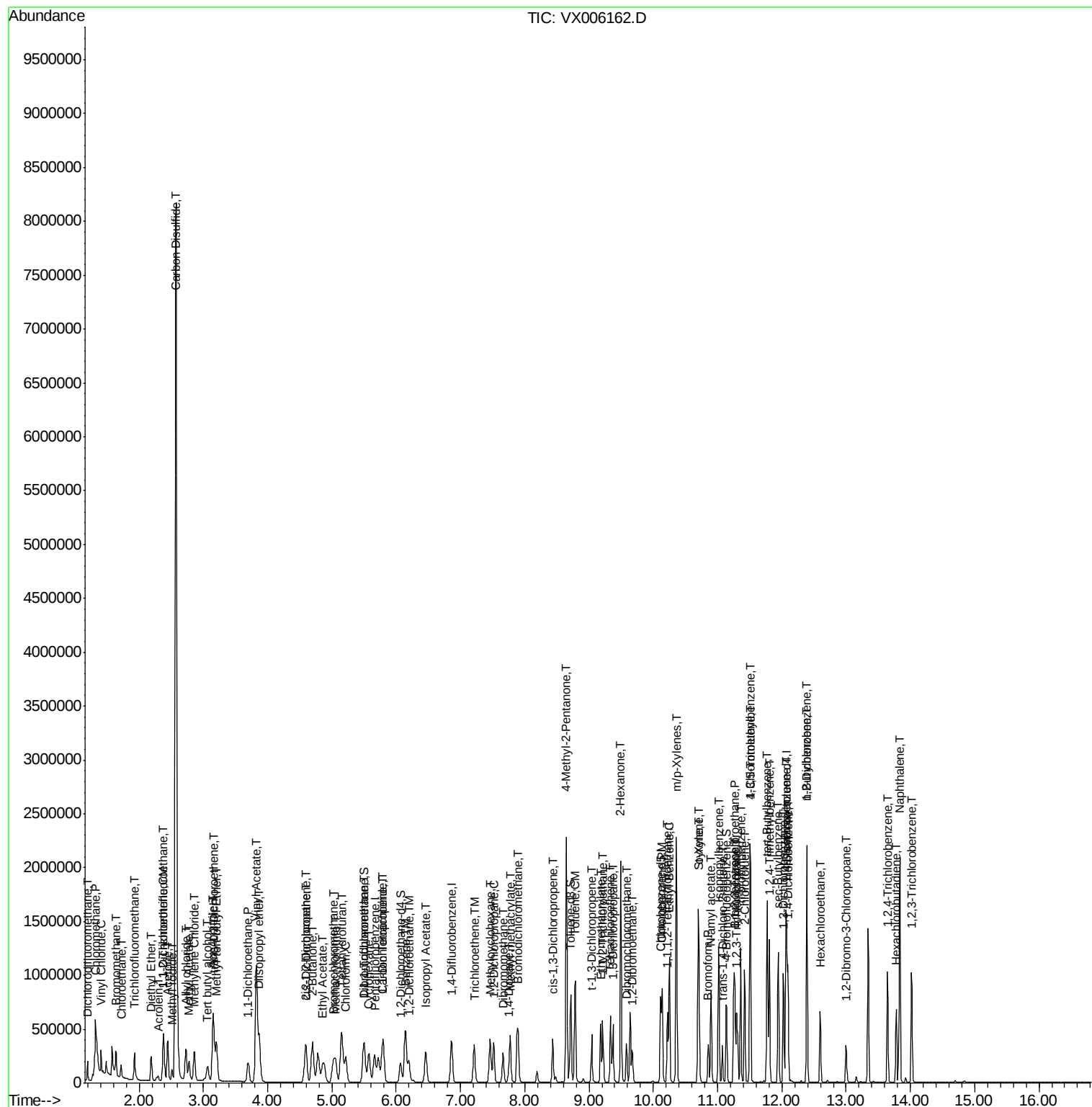
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 Data File : VX006162.D
 Acq On : 22 Nov 2018 09:22
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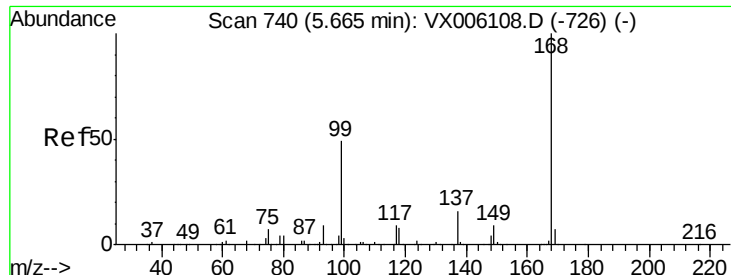
Instrument :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX006162.D

Acq: 22 Nov 2018 09:22

Instrument :

MSVOA_X

ClientSampled :

DTW-03MSD

Tot Ion:168 Resp: 261631

Ion Ratio Lower Upper

168 100

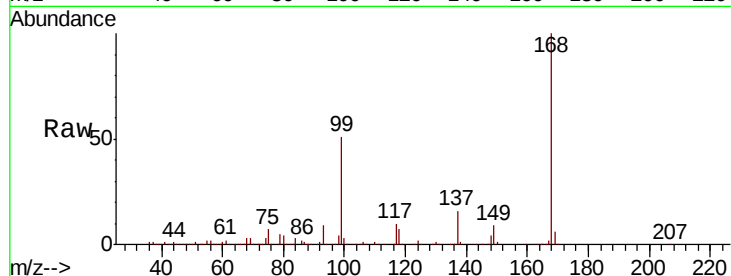
99 50.7 39.2 58.8

Manual Integrations

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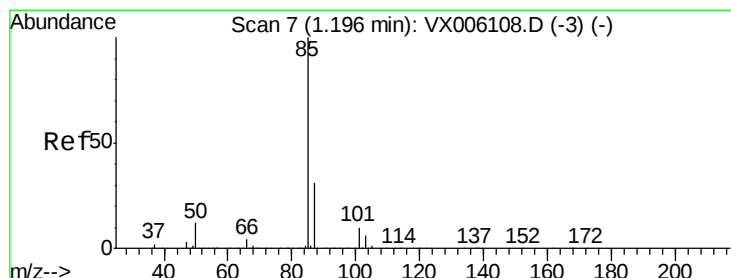
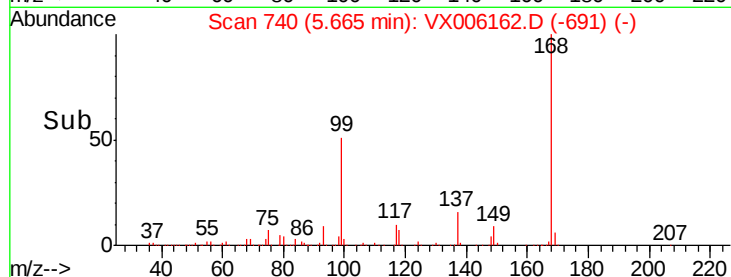
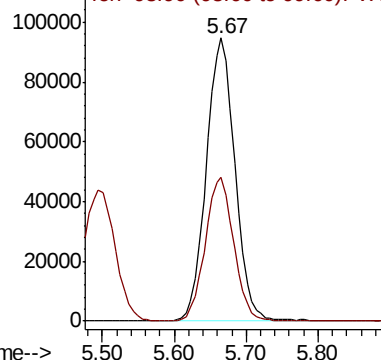
MMDadoda

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 46.487 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX006162.D

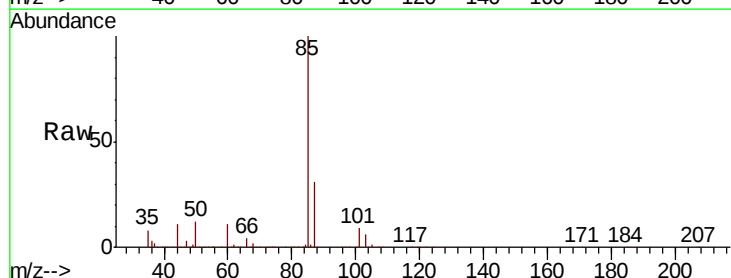
Acq: 22 Nov 2018 09:22

Tgt Ion: 85 Resp: 90380

Ion Ratio Lower Upper

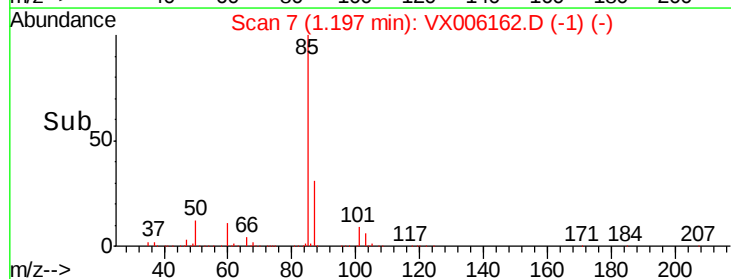
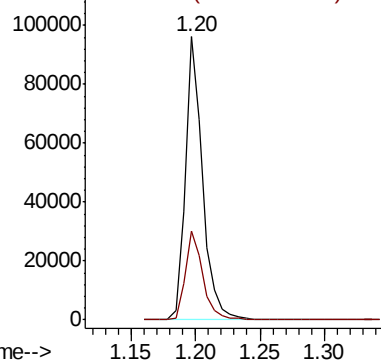
85 100

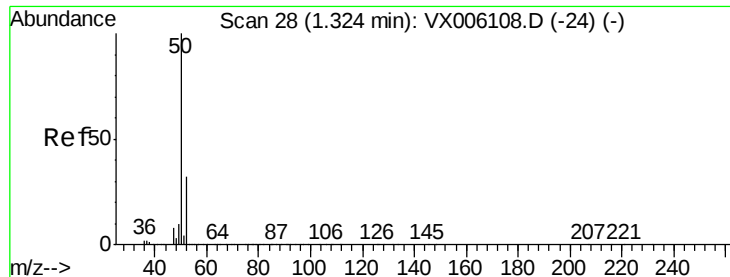
87 31.3 15.7 47.1



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 60.433 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX006162.D

Acq: 22 Nov 2018 09:22

Instrument :

MSVOA_X

ClientSampleId :

DTW-03MSD

Tot Ion: 50 Resp: 148423

Ion Ratio Lower Upper

50 100

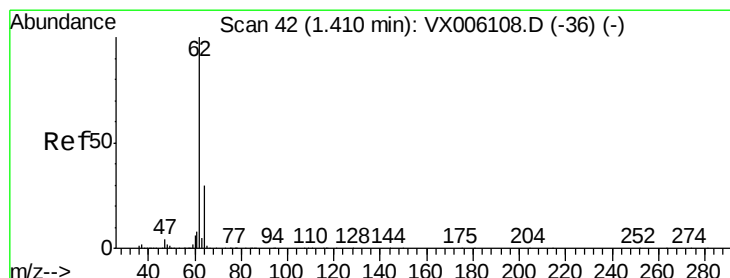
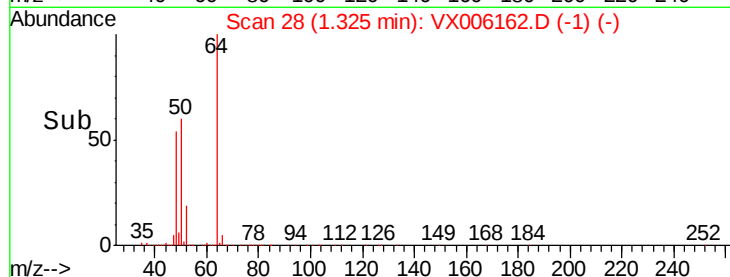
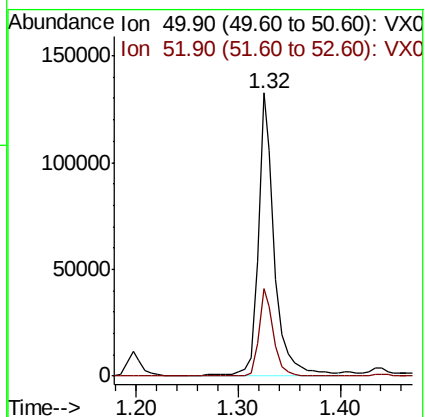
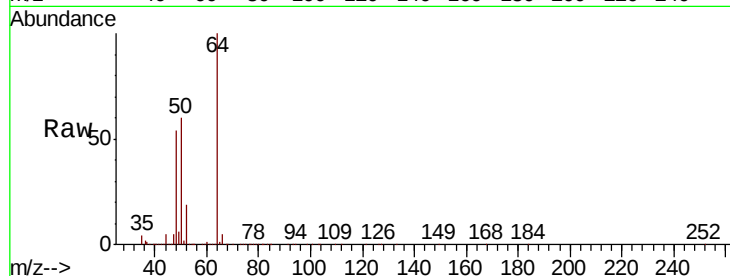
52 30.7 25.6 38.4

Manual Integrations

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#4

Vinyl Chloride

Concen: 50.872 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX006162.D

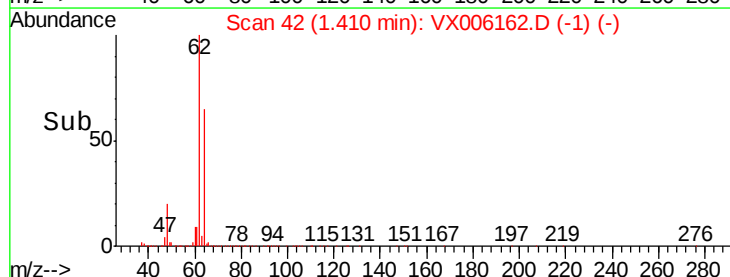
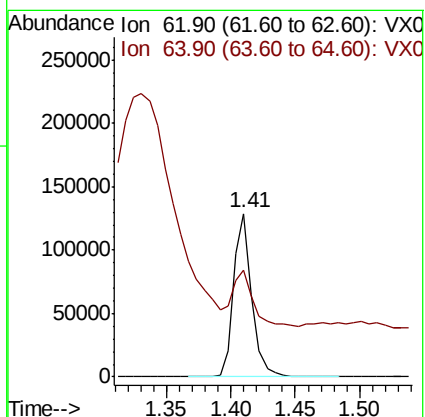
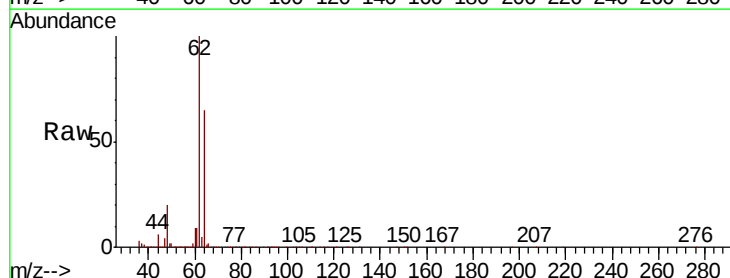
Acq: 22 Nov 2018 09:22

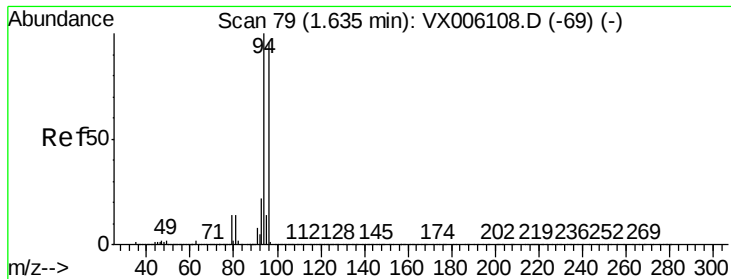
Tgt Ion: 62 Resp: 127088

Ion Ratio Lower Upper

62 100

64 32.3 24.2 36.4





#5

Bromomethane

Concen: 36.077 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX006162.D

Acq: 22 Nov 2018 09:22

Instrument :

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DTW-03MSD

Tot Ion: 94 Resp: 67171

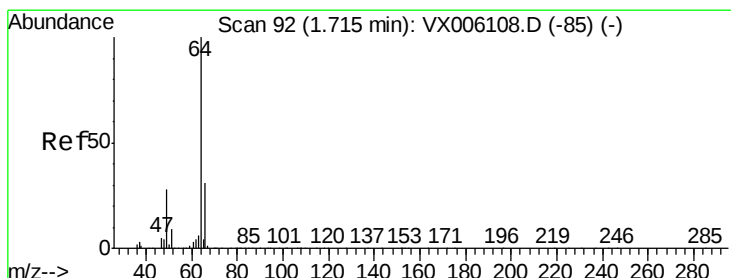
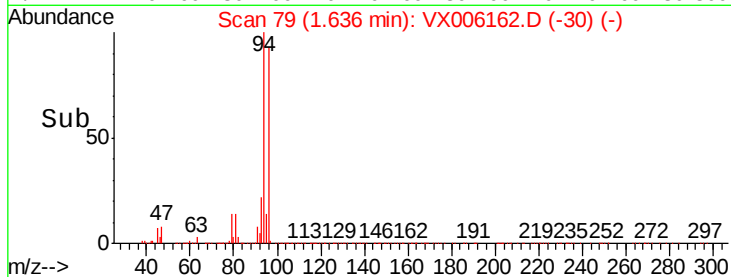
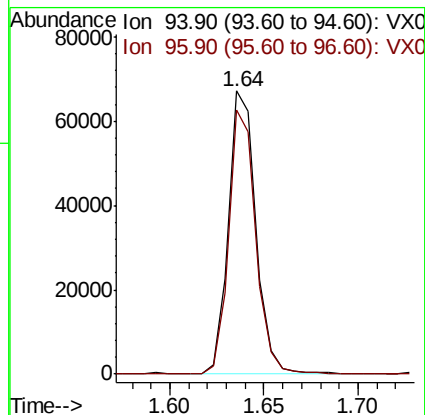
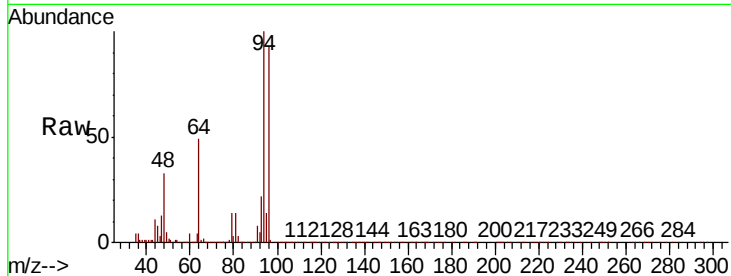
Ion Ratio Lower Upper

94 100

96 93.3 76.7 115.1

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#6

Chloroethane

Concen: 96.789 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX006162.D

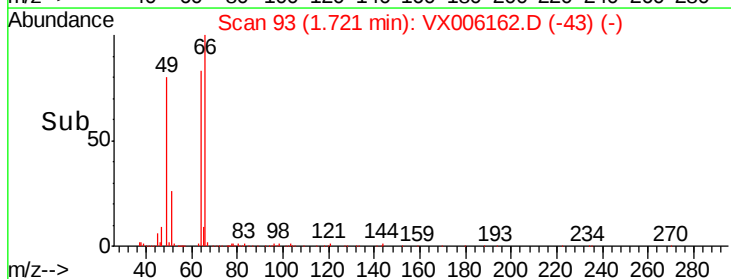
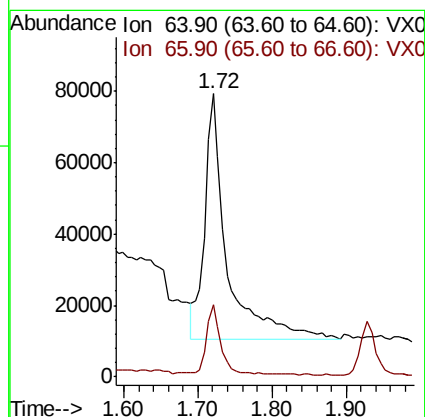
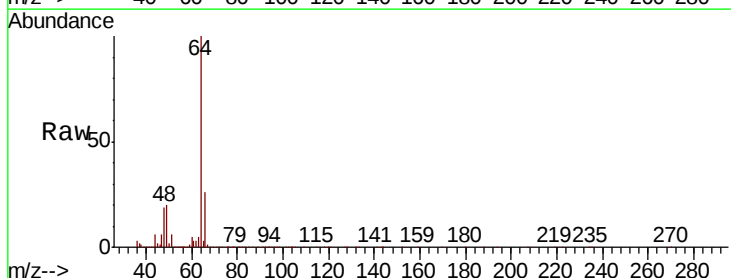
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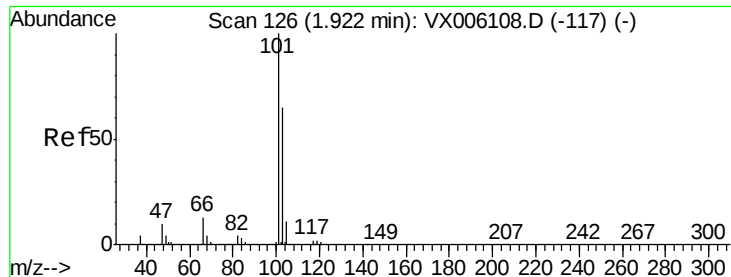
Tgt Ion: 64 Resp: 144033

Ion Ratio Lower Upper

64 100

66 28.6 25.1 37.7





#7

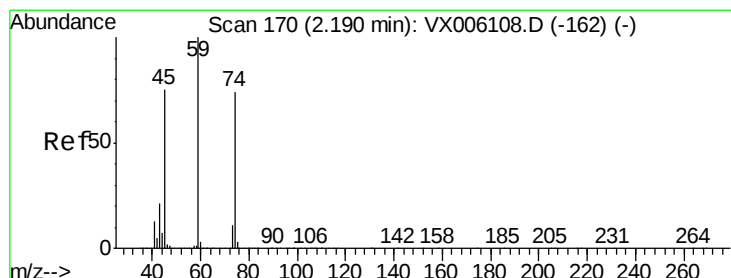
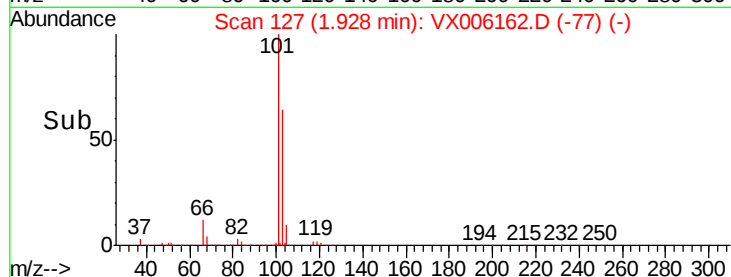
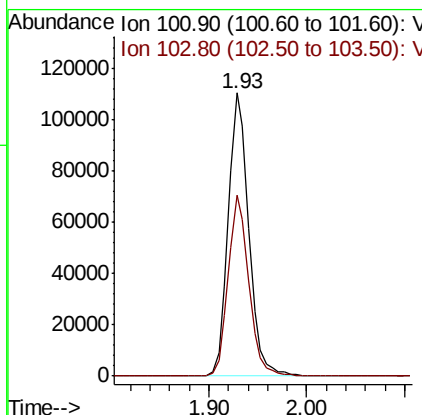
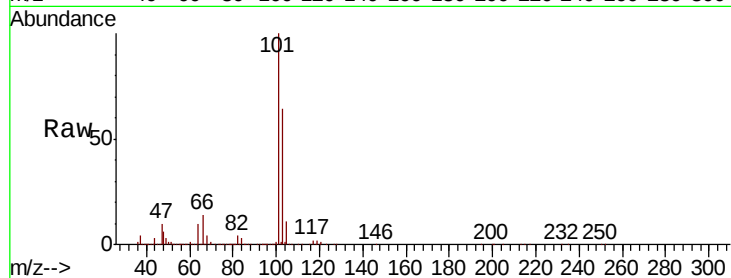
Trichlorofluoromethane
 Concen: 49.477 ug/l
 RT: 1.93 min Scan# 127
 Delta R.T. 0.01 min
 Lab File: VX006162.D
 Acq: 22 Nov 2018 09:22

Instrument :
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 ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.1	52.1	78.1

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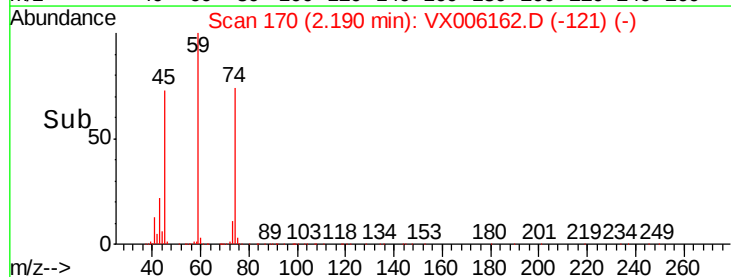
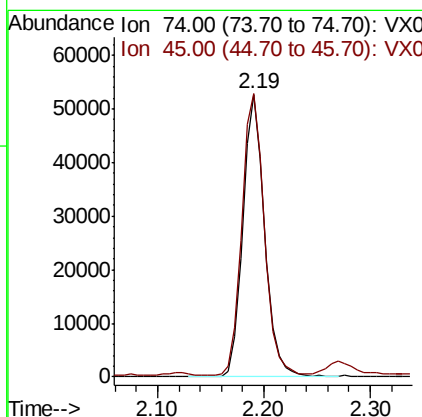
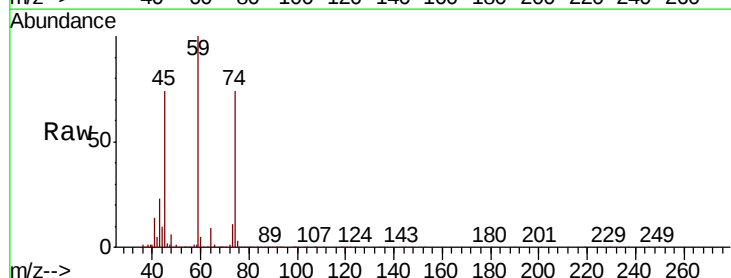
MMDadoda
 11/26/2018 9:49:34 AM

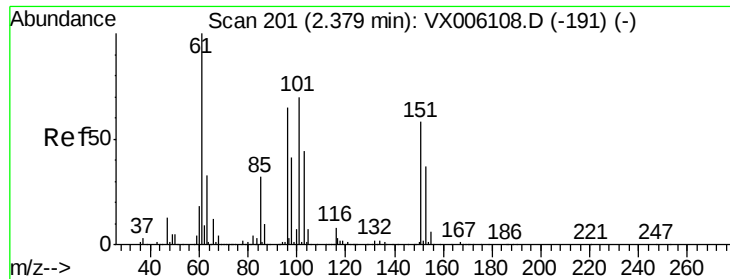


#8

Diethyl Ether
 Concen: 54.600 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. 0.00 min
 Lab File: VX006162.D
 Acq: 22 Nov 2018 09:22

Tgt Ion	Ratio	Lower	Upper
74	100		
45	102.4	52.2	156.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.273 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.01 min

Lab File: VX006162.D

Acq: 22 Nov 2018 09:22

Instrument :

MSVOA_X

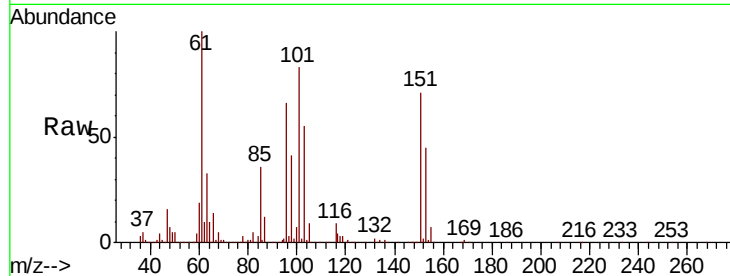
ClientSampleId :

DTW-03MSD

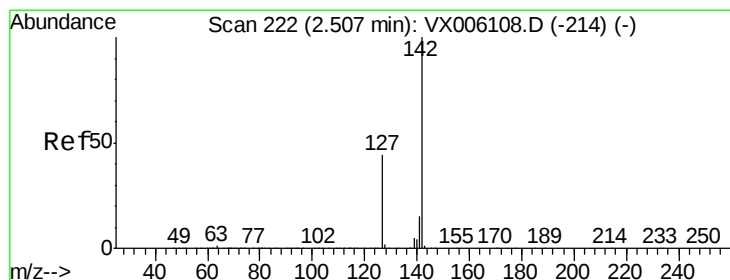
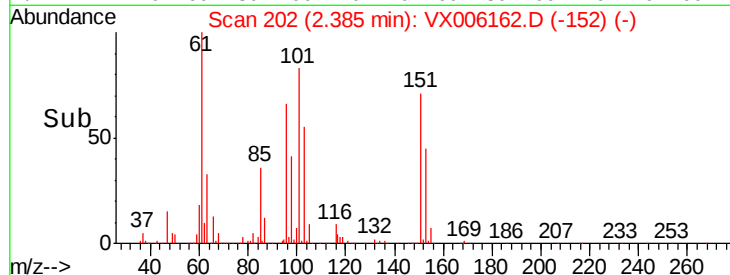
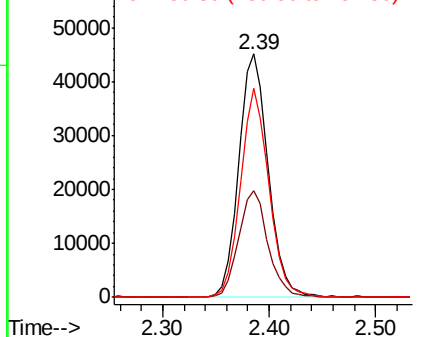
Tot Ion:	101	Resp:	87733
Ion Ratio	Lower	Upper	
101	100		
85	43.9	36.0	54.0
151	82.9	65.8	98.6

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



#10

Methyl Iodide

Concen: 43.448 ug/l

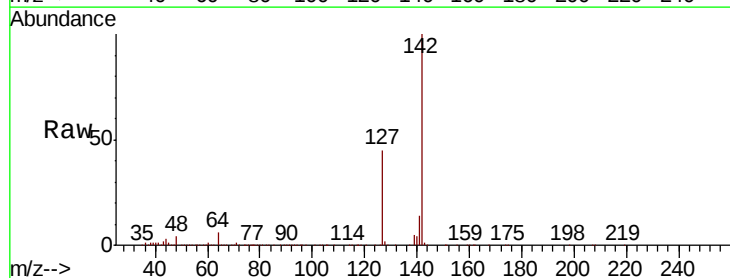
RT: 2.51 min Scan# 223

Delta R.T. 0.01 min

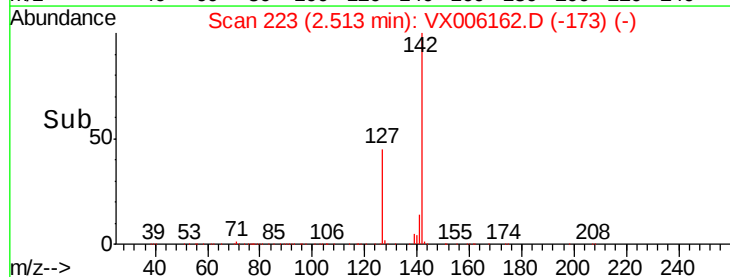
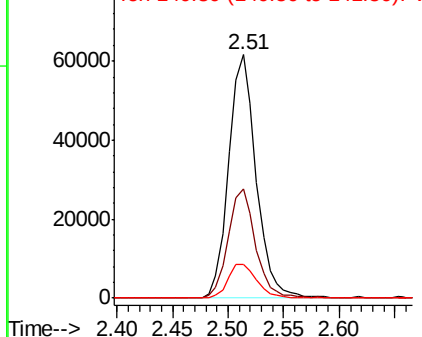
Lab File: VX006162.D

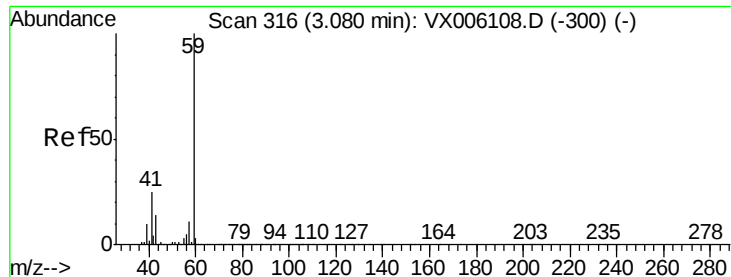
Acq: 22 Nov 2018 09:22

Tgt Ion:	142	Resp:	105562
Ion Ratio	Lower	Upper	
142	100		
127	44.8	36.0	54.0
141	14.7	11.7	17.5



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





#11

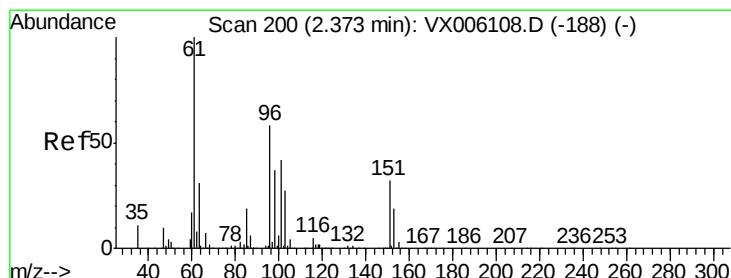
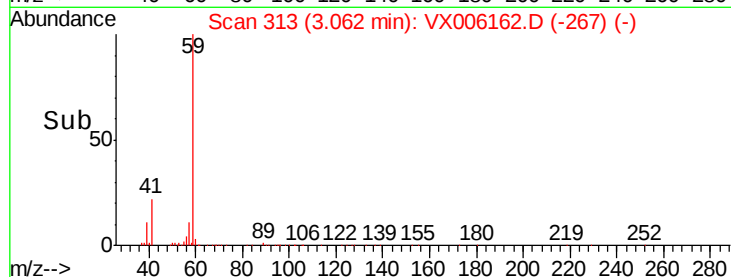
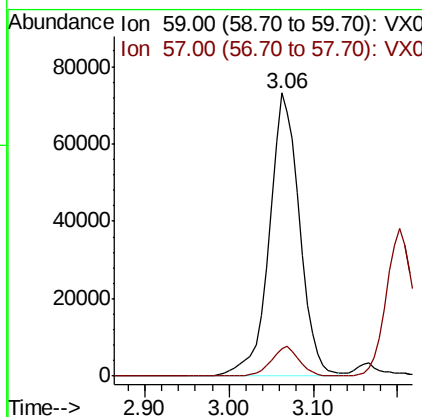
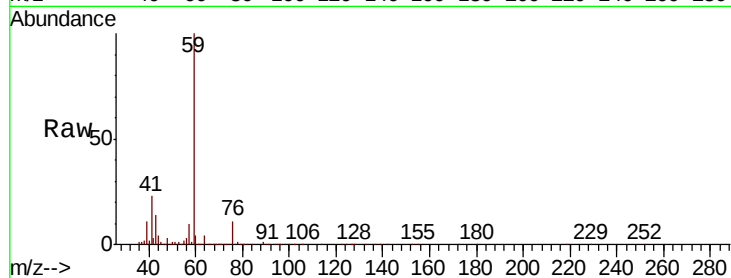
Tert butyl alcohol
Concen: 282.028 ug/l
RT: 3.06 min Scan# 313
Delta R.T. -0.02 min
Lab File: VX006162.D
Acq: 22 Nov 2018 09:22

Instrument :
MSVOA_X
ClientSampleId :
DTW-03MSD

Tot Ion	Ion	Ratio	Lower	Upper
59	59	100		
57	57	9.6	8.7	13.1

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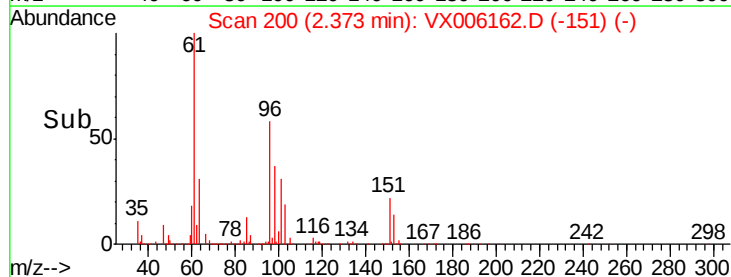
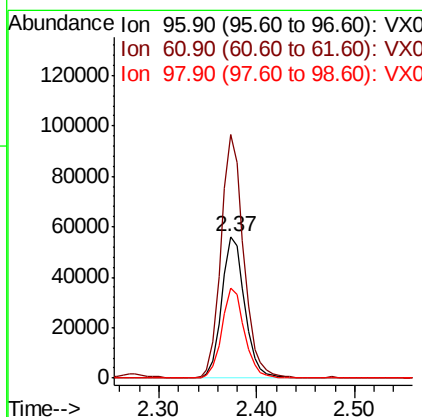
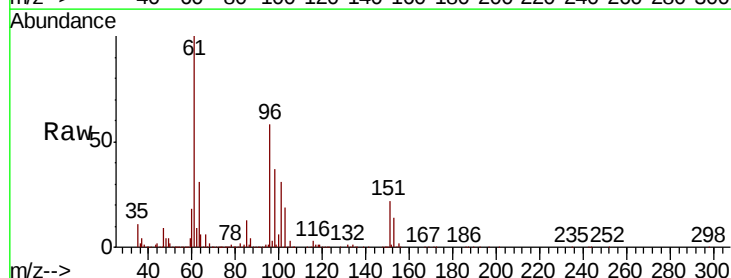
MMDadoda
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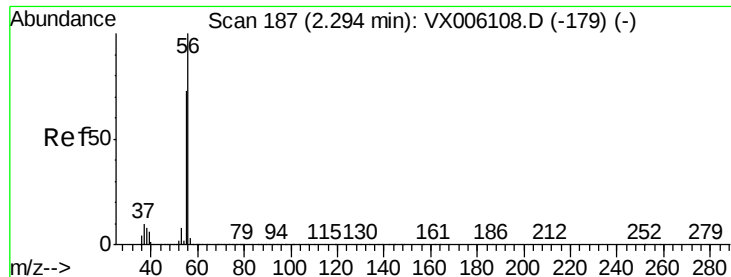


#12

1,1-Dichloroethene
Concen: 48.433 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.00 min
Lab File: VX006162.D
Acq: 22 Nov 2018 09:22

Tgt Ion	Ion	Ratio	Lower	Upper
96	96	100		
61	61	172.2	138.2	207.4
98	98	63.5	51.3	76.9





#13

Acrolein

Concen: 75.207 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX006162.D

Acq: 22 Nov 2018 09:22

Instrument :

MSVOA_X

ClientSampleId :

DTW-03MSD

Tot Ion: 56 Resp: 29023

Ion Ratio Lower Upper

56 100

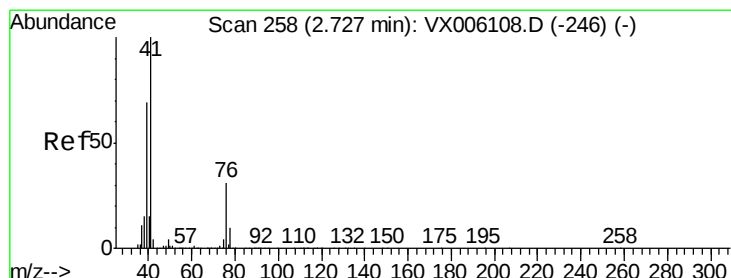
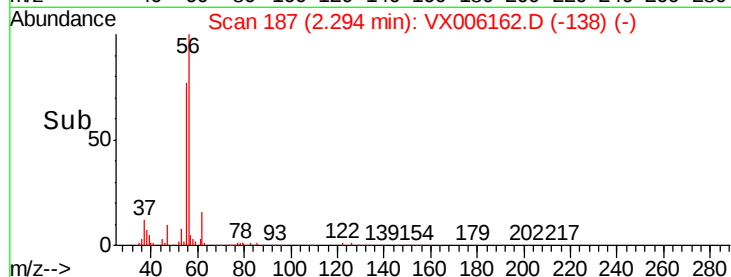
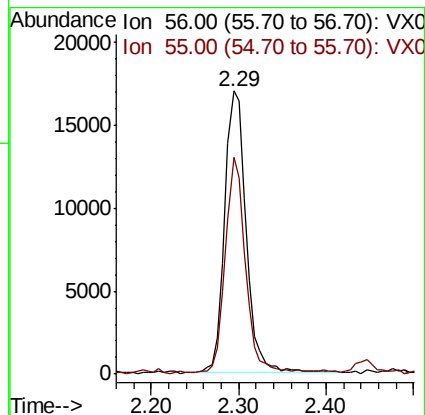
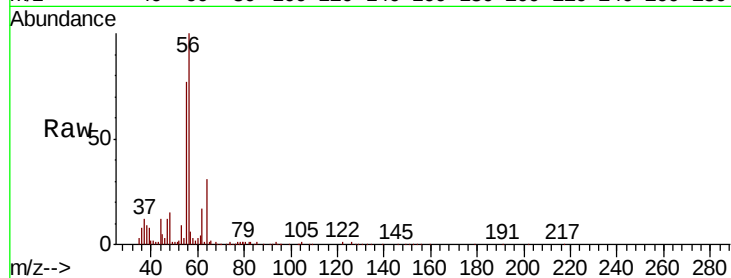
55 70.4 57.8 86.6

Manual Integrations

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#14

Allyl chloride

Concen: 51.322 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.00 min

Lab File: VX006162.D

Acq: 22 Nov 2018 09:22

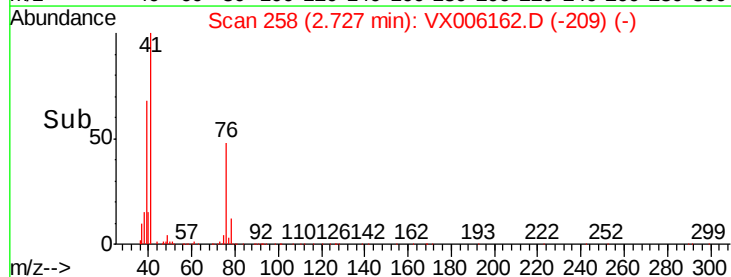
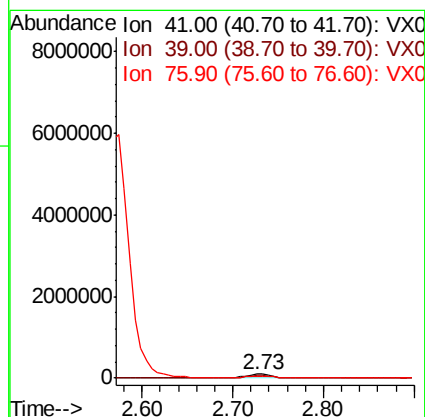
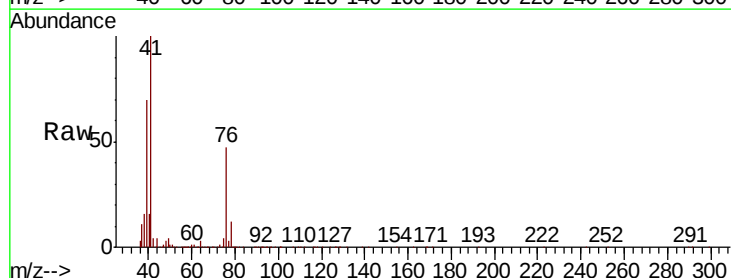
Tgt Ion: 41 Resp: 198361

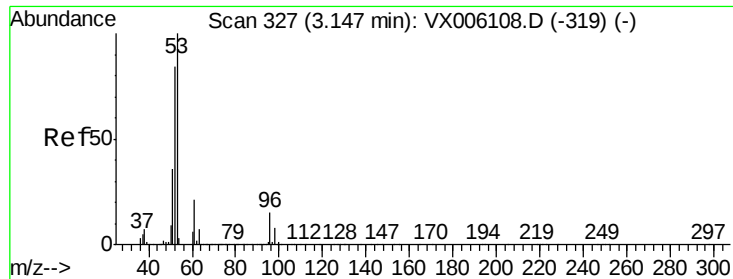
Ion Ratio Lower Upper

41 100

39 65.4 52.5 78.7

76 0.0 23.4 35.2#





#15

Acrylonitrile

Concen: 274.337 ug/l

RT: 3.15 min Scan# 327

Delta R.T. 0.00 min

Lab File: VX006162.D

Acq: 22 Nov 2018 09:22

Instrument :

MSVOA_X

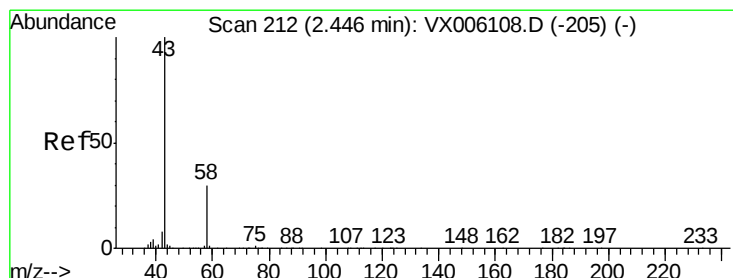
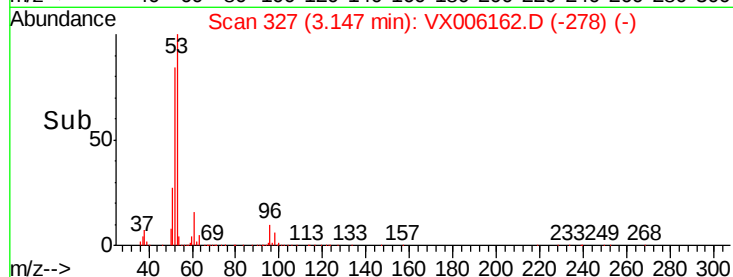
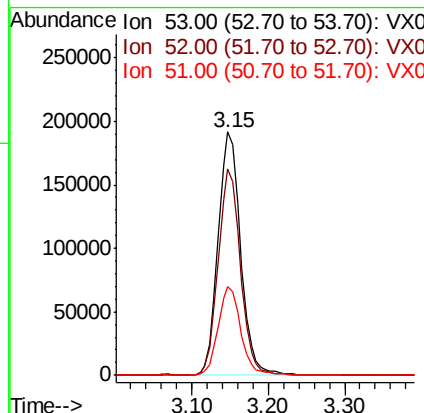
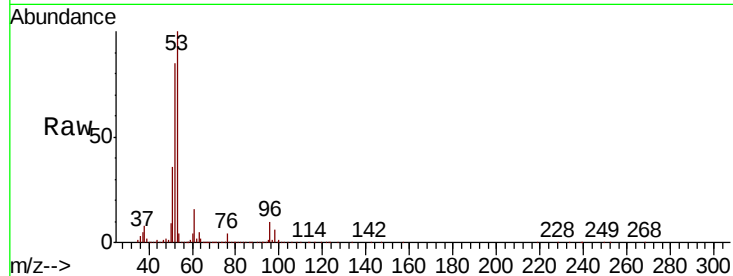
ClientSampleId :

DTW-03MSD

Tot Ion:	53	Resp:	390782
Ion	Ratio	Lower	Upper
53	100		
52	83.6	66.4	99.6
51	36.3	29.4	44.0

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#16

Acetone

Concen: 297.826 ug/l

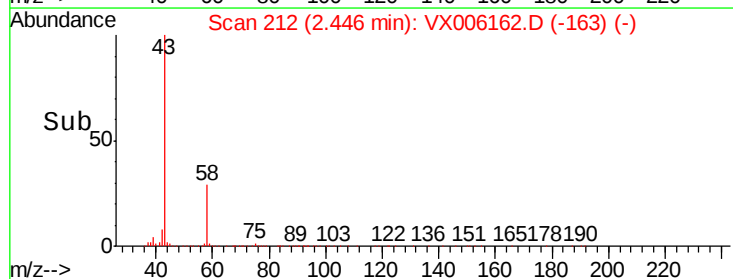
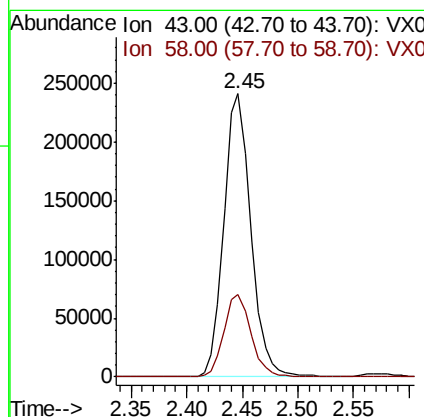
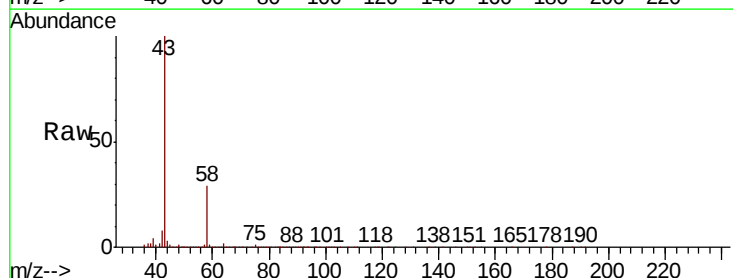
RT: 2.45 min Scan# 212

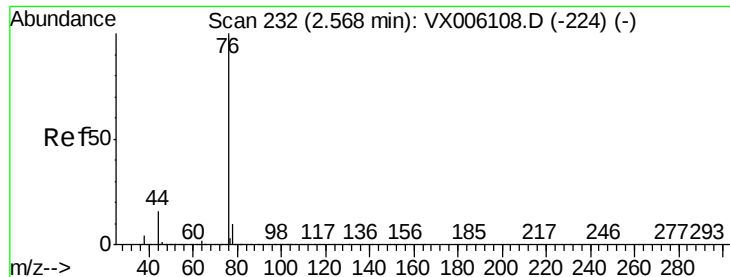
Delta R.T. 0.00 min

Lab File: VX006162.D

Acq: 22 Nov 2018 09:22

Tgt Ion:	43	Resp:	400660
Ion	Ratio	Lower	Upper
43	100		
58	29.0	23.8	35.8





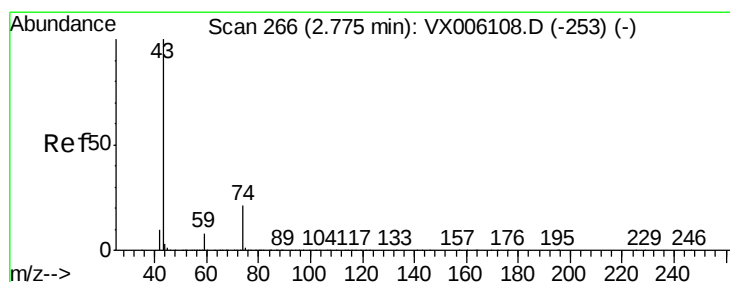
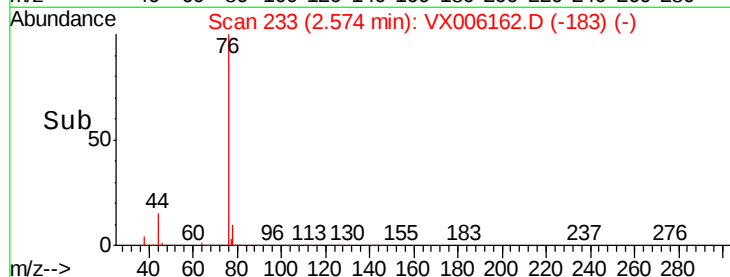
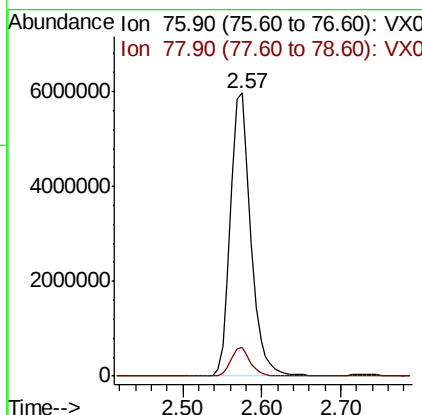
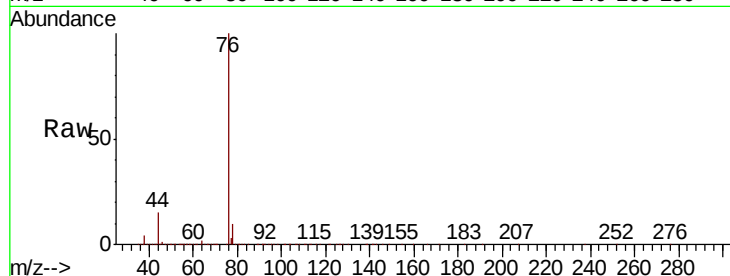
#17
Carbon Disulfide
Concen: 2117.963 ug/l
RT: 2.57 min Scan# 233
Delta R.T. 0.01 min
Lab File: VX006162.D
Acq: 22 Nov 2018 09:22

Instrument :
MSVOA_X
ClientSampleId :
DTW-03MSD

Tot Ion: 76 Resp:10803830
Ion Ratio Lower Upper
76 100
78 10.3 7.7 11.5

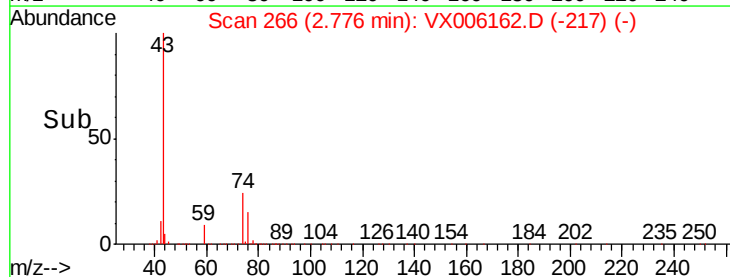
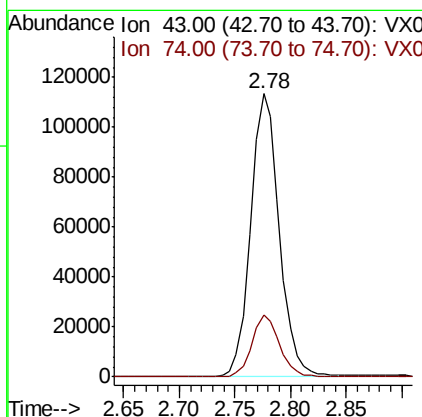
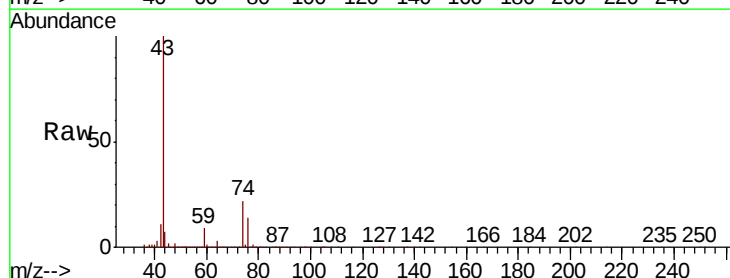
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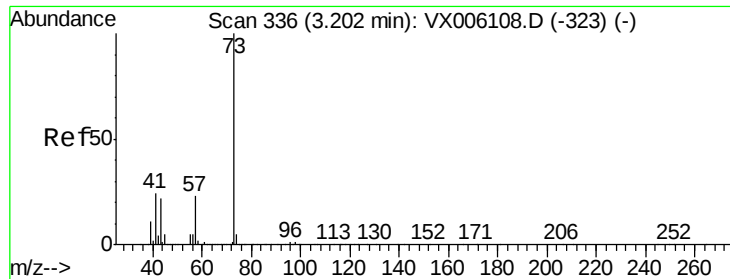
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#18
Methyl Acetate
Concen: 58.244 ug/l
RT: 2.78 min Scan# 266
Delta R.T. 0.00 min
Lab File: VX006162.D
Acq: 22 Nov 2018 09:22

Tgt Ion: 43 Resp: 200934
Ion Ratio Lower Upper
43 100
74 21.8 17.3 25.9





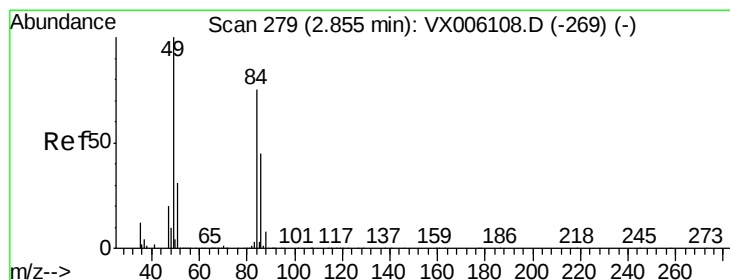
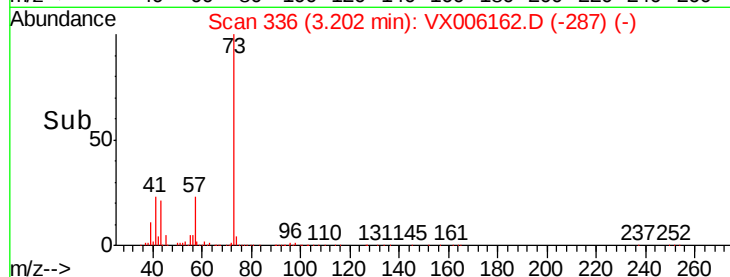
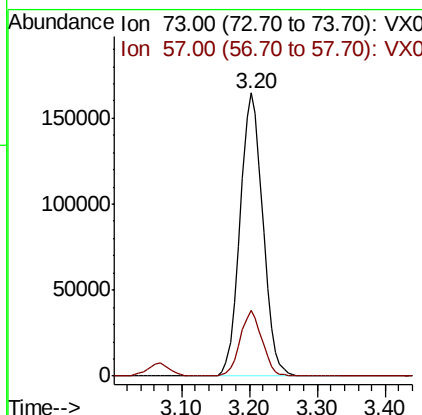
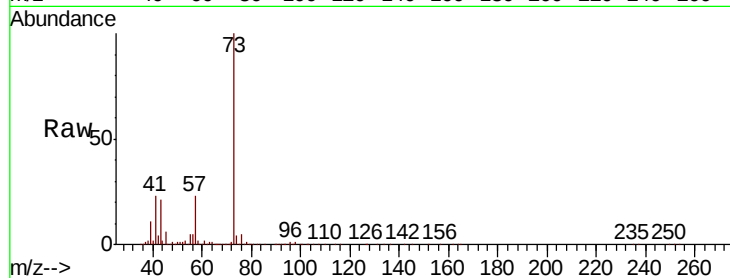
#19
Methvl tert-butvl Ether
Concen: 58.728 ug/l
RT: 3.20 min Scan# 336
Delta R.T. 0.00 min
Lab File: VX006162.D
Acq: 22 Nov 2018 09:22

Instrument :
MSVOA_X
ClientSampleId :
DTW-03MSD

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.1	18.2	27.4

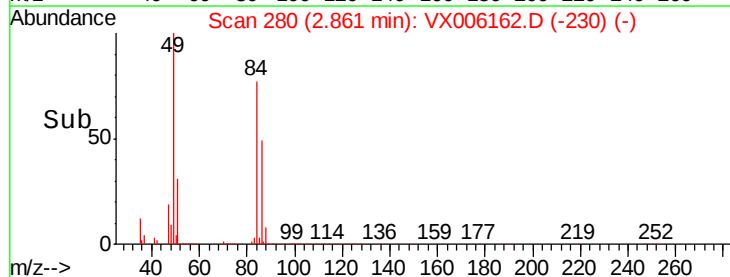
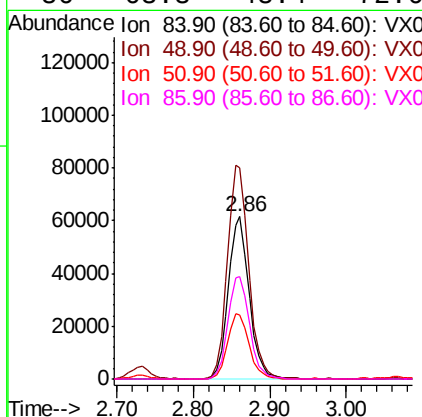
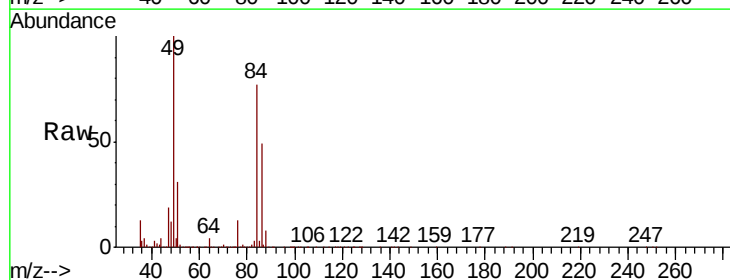
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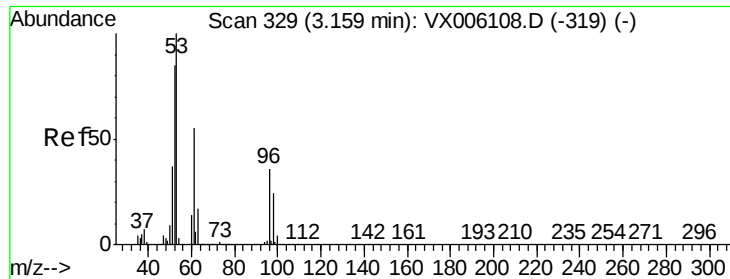
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#20
Methylene Chloride
Concen: 57.126 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.01 min
Lab File: VX006162.D
Acq: 22 Nov 2018 09:22

Tgt Ion	Ratio	Lower	Upper
84	100		
49	129.5	106.6	159.8
51	39.6	32.6	49.0
86	63.3	48.4	72.6





#21

trans-1,2-Dichloroethene

Concen: 52.519 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.01 min

Lab File: VX006162.D

Acq: 22 Nov 2018 09:22

Instrument :

MSVOA_X

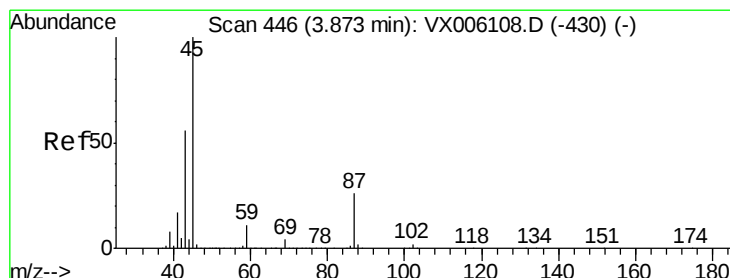
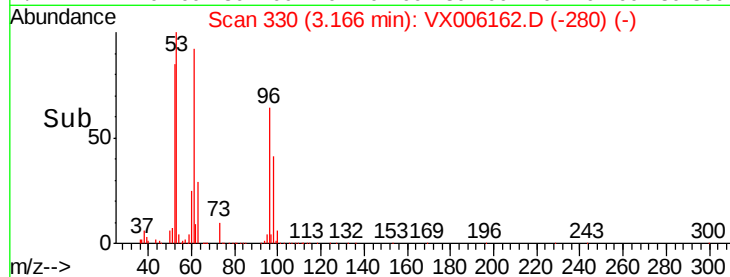
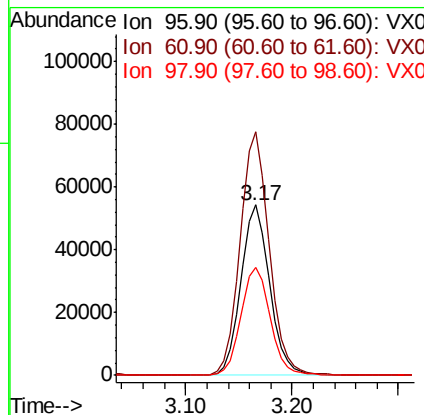
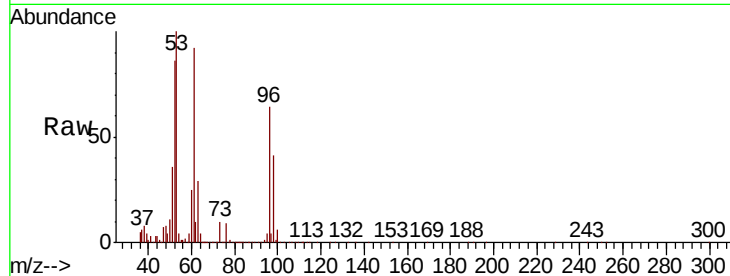
ClientSampleId :

DTW-03MSD

Tot Ion:	96	Resp:	103809
Ion Ratio	Lower	Upper	
96	100		
61	142.8	122.0	183.0
98	63.3	52.7	79.1

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#22

Diisopropyl ether

Concen: 59.422 ug/l

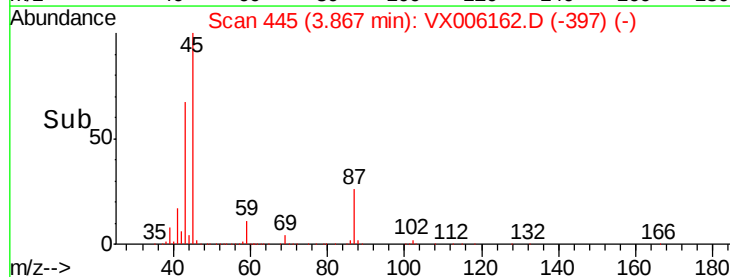
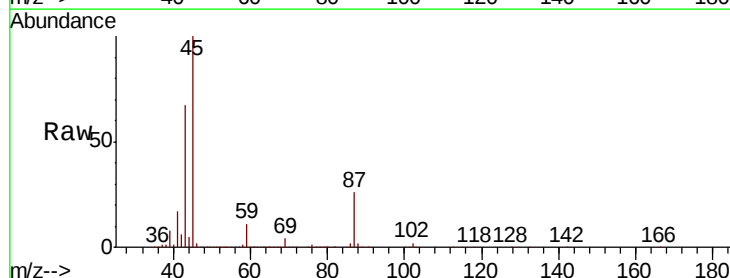
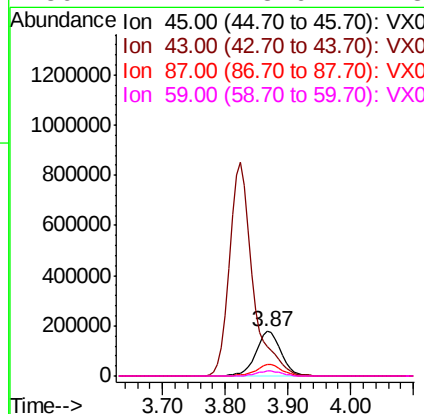
RT: 3.87 min Scan# 445

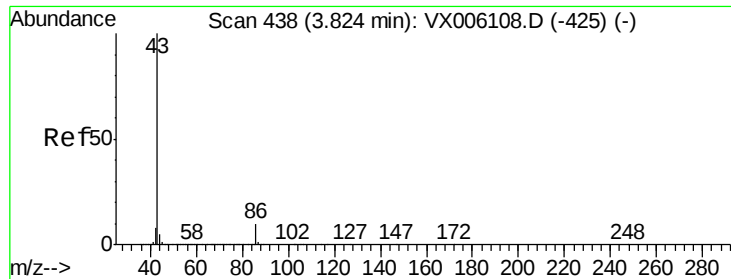
Delta R.T. -0.01 min

Lab File: VX006162.D

Acq: 22 Nov 2018 09:22

Tgt Ion:	45	Resp:	491655
Ion Ratio	Lower	Upper	
45	100		
43	66.6	45.8	68.8
87	25.5	21.0	31.4
59	11.1	8.6	12.8





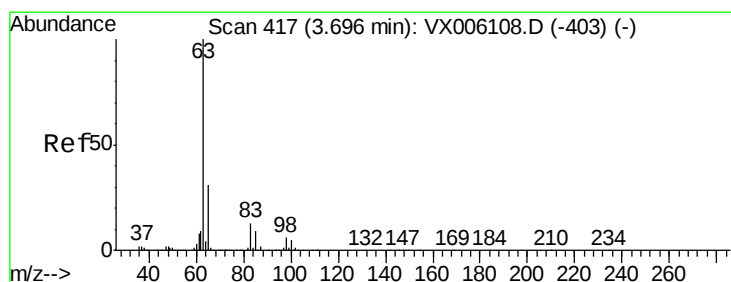
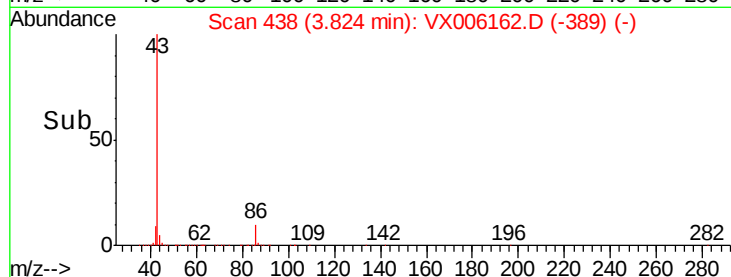
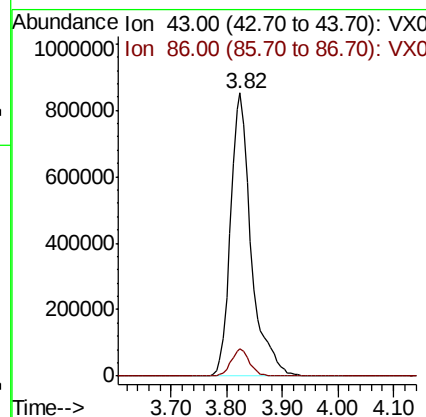
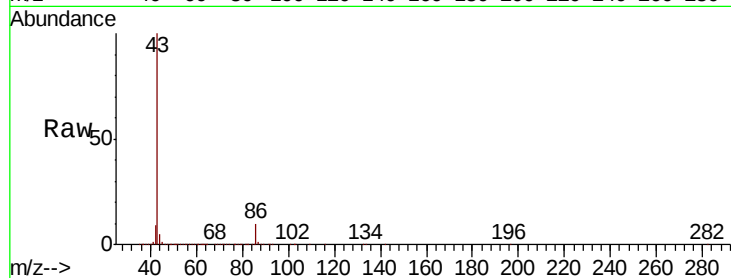
#23
 Vinyl Acetate
 Concen: 317.965 ug/l
 RT: 3.82 min Scan# 438
 Delta R.T. 0.00 min
 Lab File: VX006162.D
 Acq: 22 Nov 2018 09:22

Instrument :
 MSVOA_X
 ClientSampleId :
 DTW-03MSD

Tot Ion: 43 Resp: 2182613
 Ion Ratio Lower Upper
 43 100
 86 9.6 7.6 11.4

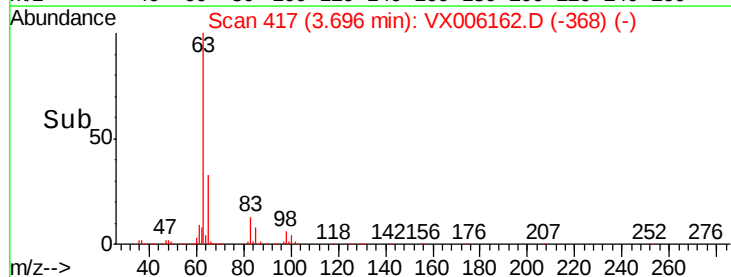
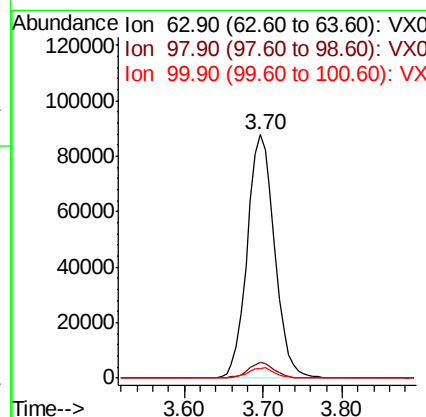
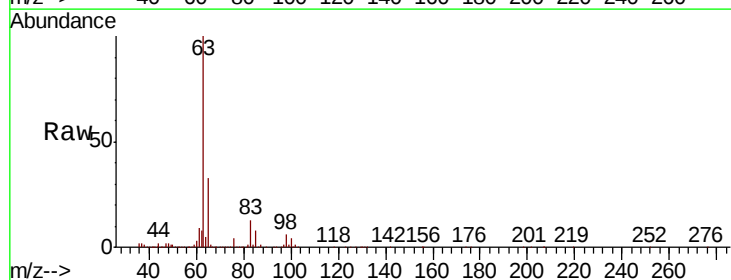
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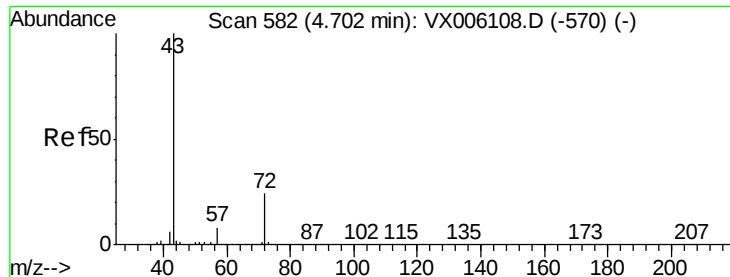
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#24
 1,1-Dichloroethane
 Concen: 54.228 ug/l
 RT: 3.70 min Scan# 417
 Delta R.T. 0.00 min
 Lab File: VX006162.D
 Acq: 22 Nov 2018 09:22

Tgt Ion: 63 Resp: 211381
 Ion Ratio Lower Upper
 63 100
 98 6.3 3.3 9.8
 100 4.1 2.4 7.1





#25

2-Butanone

Concen: 279.335 ug/l

RT: 4.70 min Scan# 581

Delta R.T. -0.01 min

Lab File: VX006162.D

Acq: 22 Nov 2018 09:22

Instrument :

MSVOA_X

ClientSampleId :

DTW-03MSD

Tot Ion: 43 Resp: 697507

Ion Ratio Lower Upper

43 100

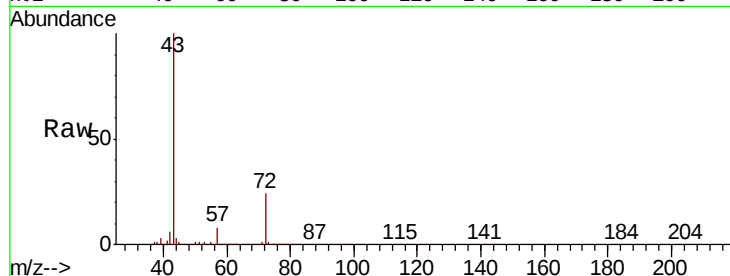
72 24.0 19.2 28.8

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

250000

200000

150000

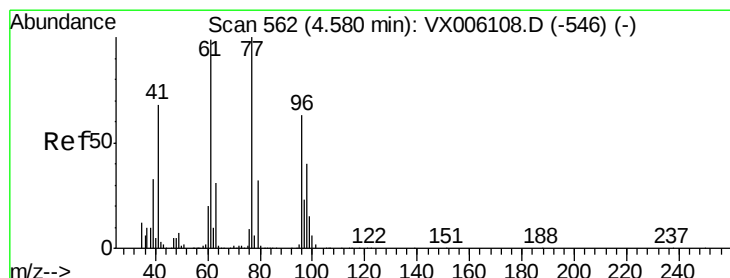
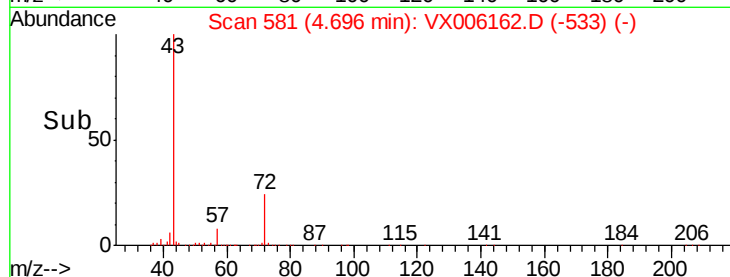
100000

50000

0

4.60 4.70 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 38.744 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.01 min

Lab File: VX006162.D

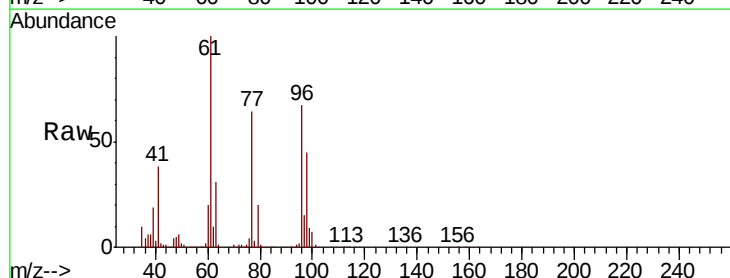
Acq: 22 Nov 2018 09:22

Tgt Ion: 77 Resp: 124474

Ion Ratio Lower Upper

77 100

97 25.4 11.9 35.5



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

40000

30000

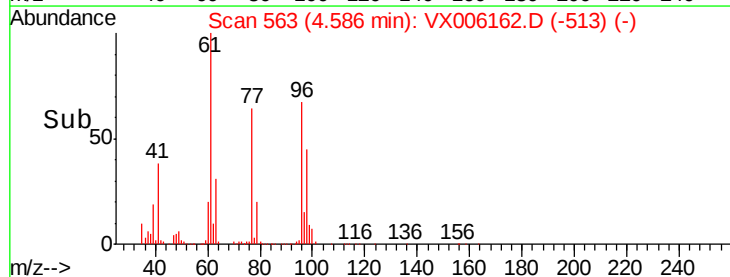
20000

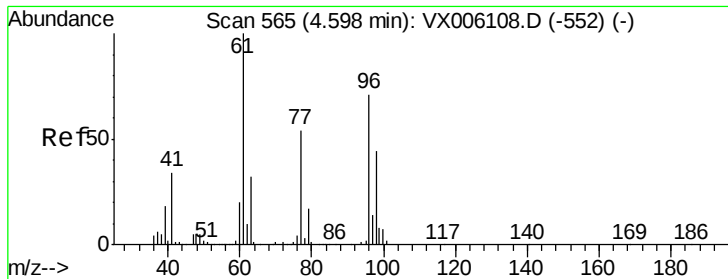
10000

0

4.50 4.60 4.70

Time-->





#27

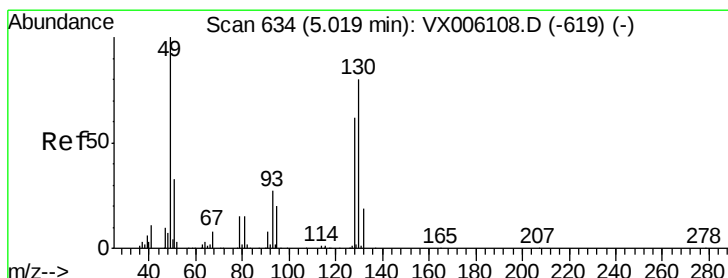
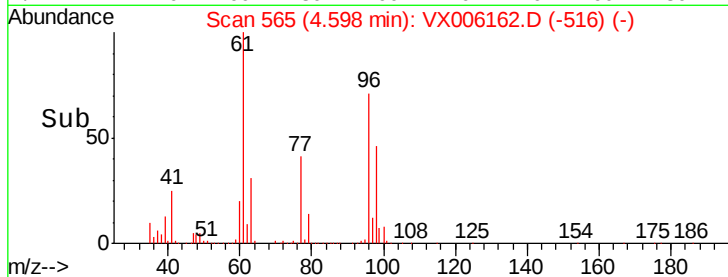
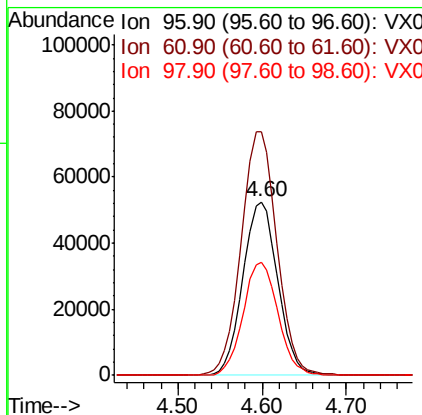
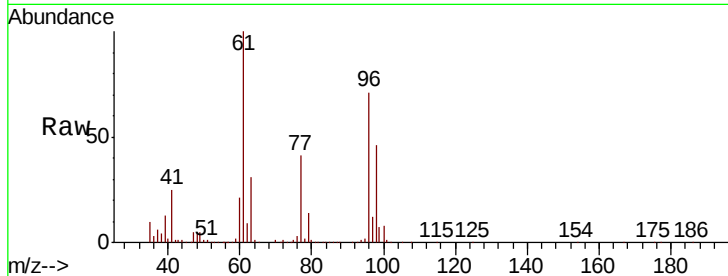
cis-1,2-Dichloroethene
Concen: 53.470 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.00 min
Lab File: VX006162.D
Acq: 22 Nov 2018 09:22

Instrument :
MSVOA_X
ClientSampleId :
DTW-03MSD

Tot Ion	Ratio	Resp	Lower	Upper
96	100	147717		
61	143.2	0.0	291.6	
98	65.1	0.0	128.2	

Manual Integrations
APPROVED

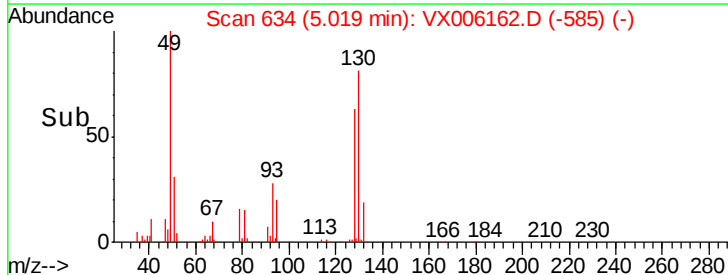
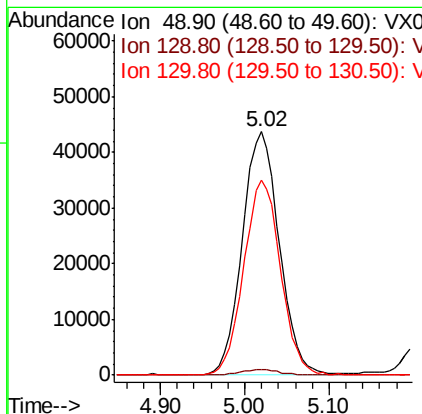
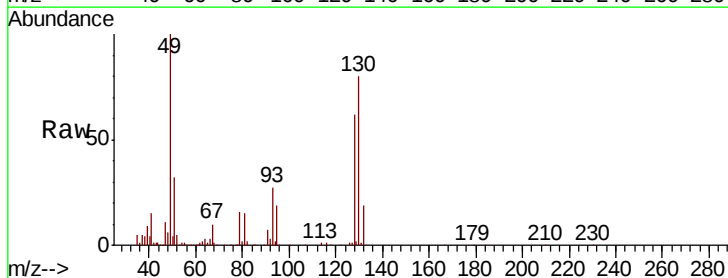
MMDadoda
11/26/2018 9:49:34 AM

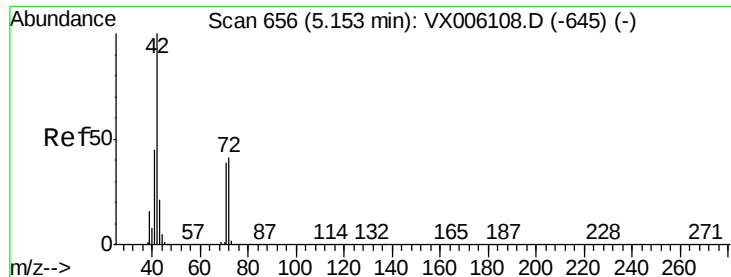


#28

Bromochloromethane
Concen: 57.467 ug/l
RT: 5.02 min Scan# 634
Delta R.T. 0.00 min
Lab File: VX006162.D
Acq: 22 Nov 2018 09:22

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	130556		
129	2.4	0.0	4.4	
130	79.4	61.6	92.4	





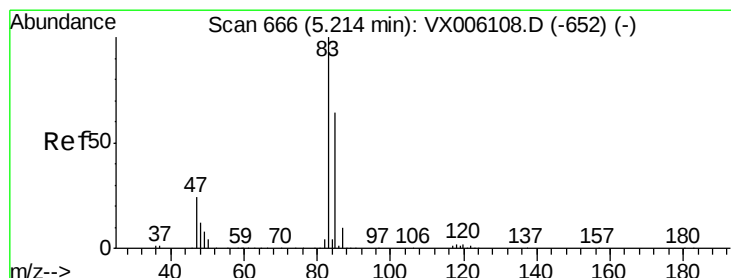
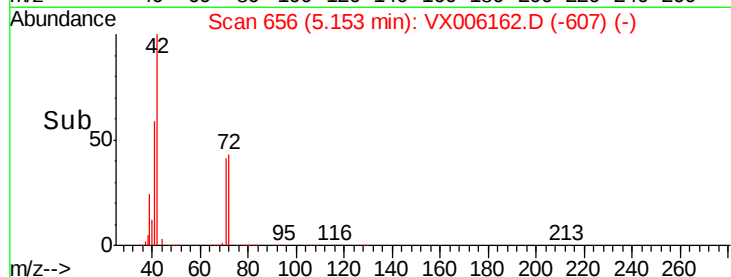
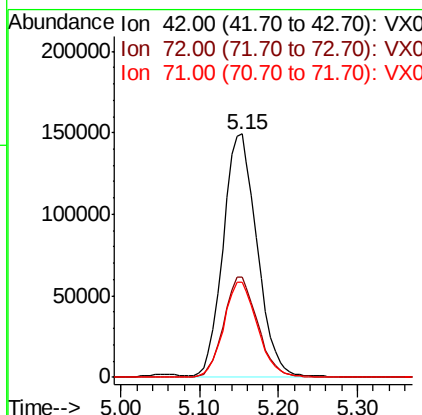
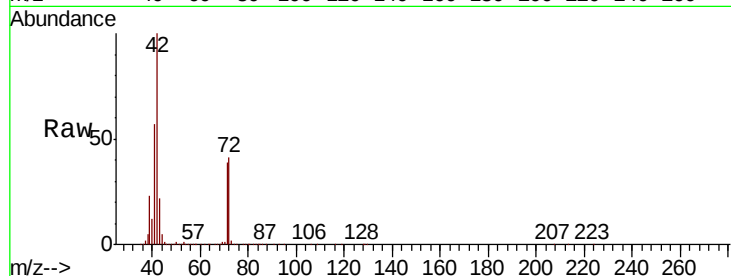
#29
Tetrahydrofuran
Concen: 286.311 ug/l
RT: 5.15 min Scan# 656
Delta R.T. 0.00 min
Lab File: VX006162.D
Acq: 22 Nov 2018 09:22

Instrument :
MSVOA_X
ClientSampleId :
DTW-03MSD

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.3	33.0	49.6
71	39.2	31.0	46.4

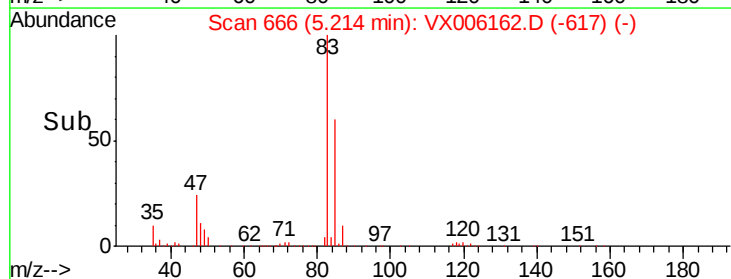
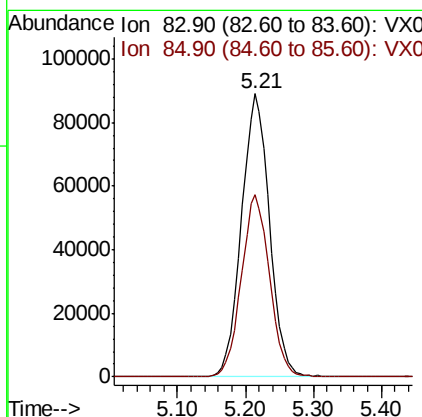
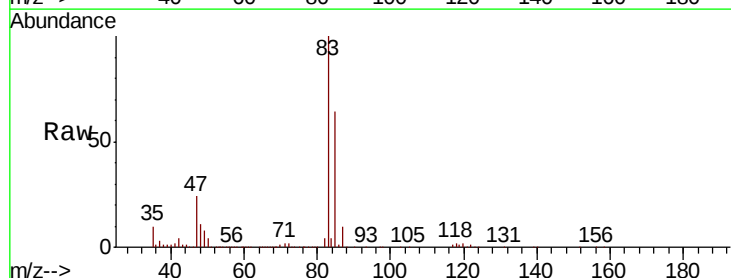
Manual Integrations
APPROVED

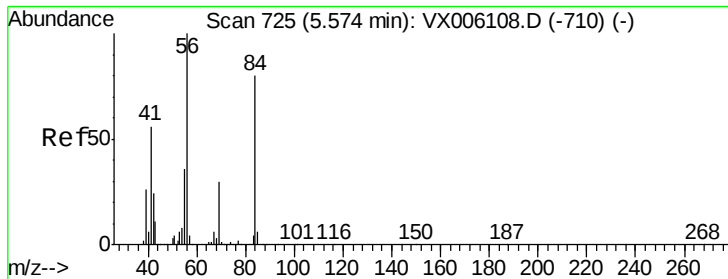
MMDadoda
11/26/2018 9:49:34 AM



#30
Chloroform
Concen: 53.867 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.00 min
Lab File: VX006162.D
Acq: 22 Nov 2018 09:22

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.5	51.0	76.4





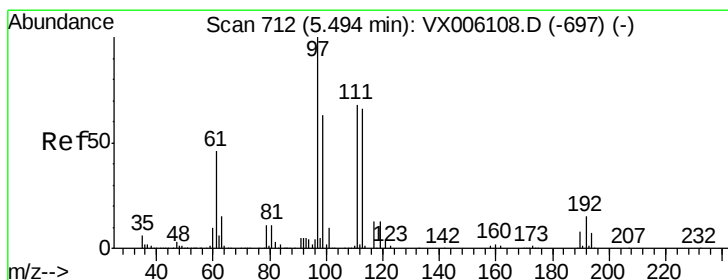
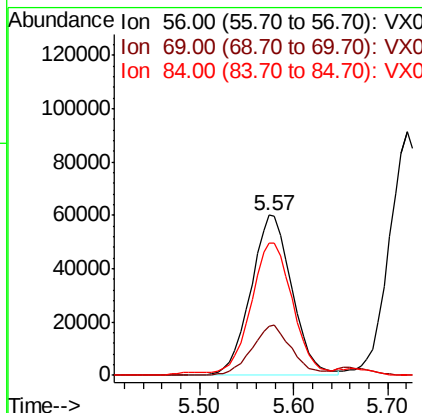
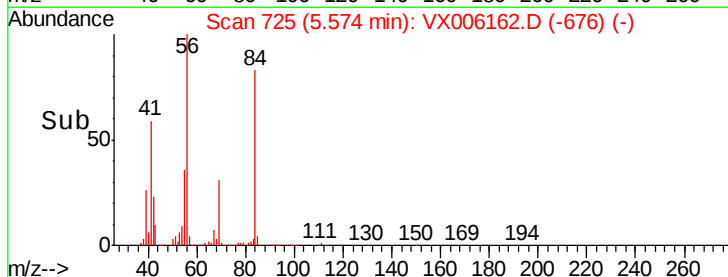
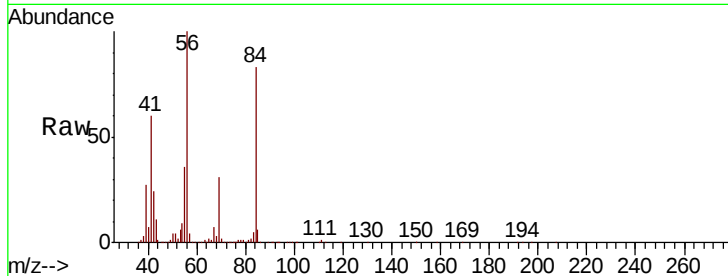
#31
Cyclohexane
Concen: 45.001 ug/l
RT: 5.57 min Scan# 725
Delta R.T. 0.00 min
Lab File: VX006162.D
Acq: 22 Nov 2018 09:22

Instrument :
MSVOA_X
ClientSampleId :
DTW-03MSD

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.6	23.9	35.9
84	81.0	63.6	95.4

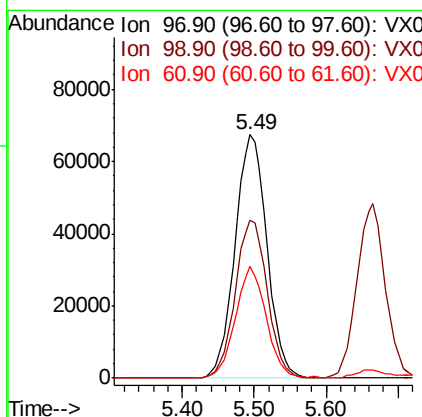
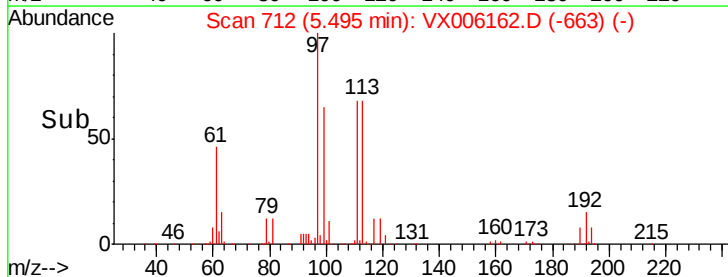
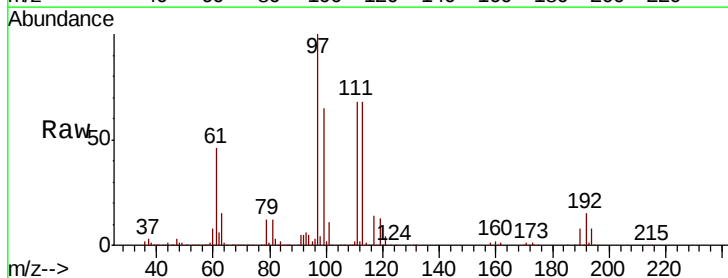
Manual Integrations
APPROVED

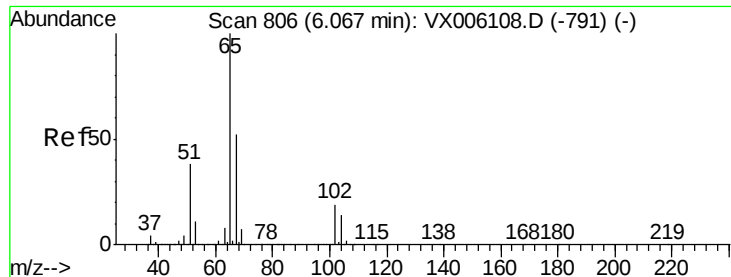
MMDadoda
11/26/2018 9:49:34 AM



#32
1,1,1-Trichloroethane
Concen: 54.353 ug/l
RT: 5.49 min Scan# 712
Delta R.T. 0.00 min
Lab File: VX006162.D
Acq: 22 Nov 2018 09:22

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.9	51.6	77.4
61	44.1	36.6	55.0





#33

1,2-Dichloroethane-d4

Concen: 58.368 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX006162.D

Acq: 22 Nov 2018 09:22

Instrument :

MSVOA_X

ClientSampleId :

DTW-03MSD

Tot Ion: 65 Resp: 176950

Ion Ratio Lower Upper

65 100

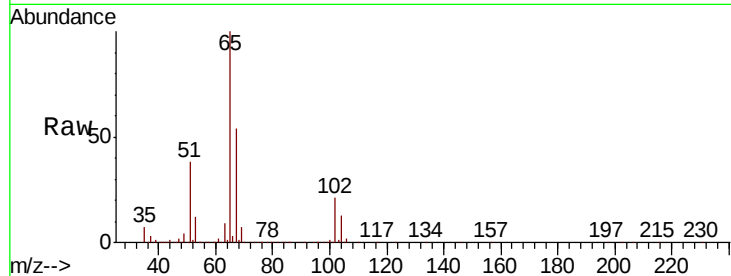
67 53.1 0.0 105.8

Manual Integrations

APPROVED

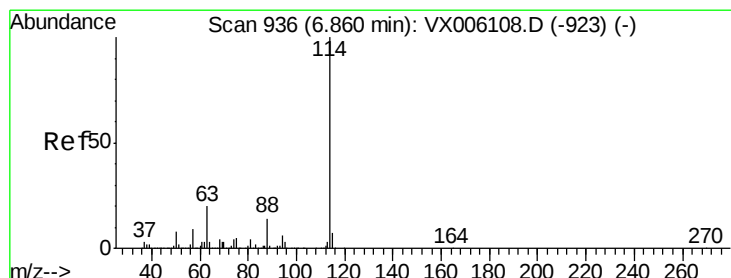
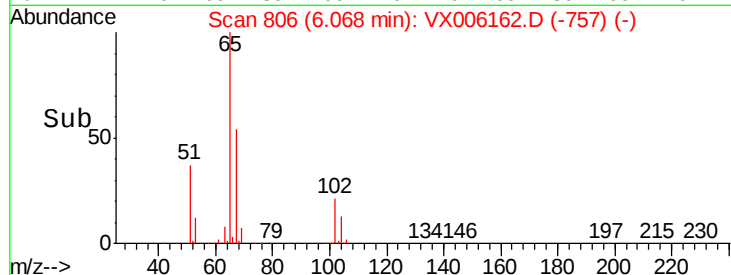
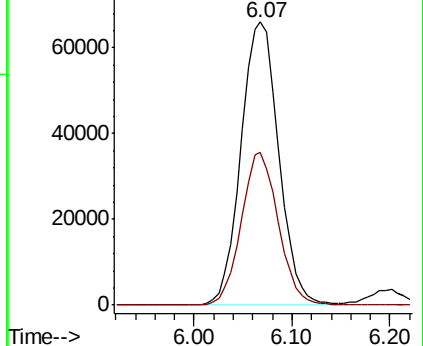
MMDadoda

11/26/2018 9:49:34 AM



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX006162.D

Acq: 22 Nov 2018 09:22

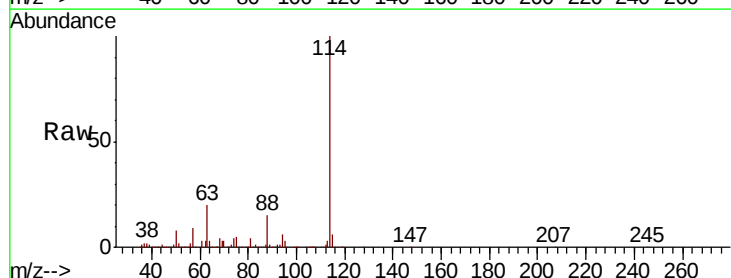
Tgt Ion: 114 Resp: 398975

Ion Ratio Lower Upper

114 100

63 20.3 0.0 39.2

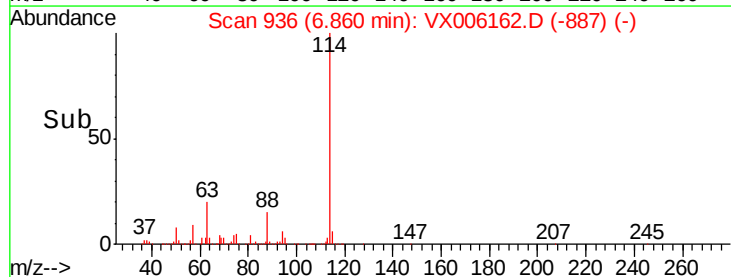
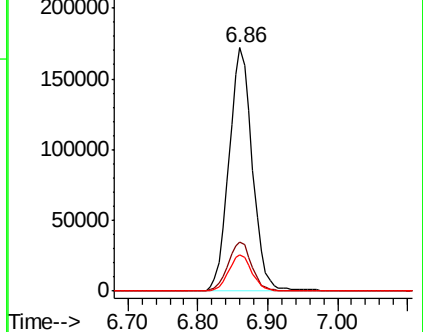
88 14.9 0.0 28.6

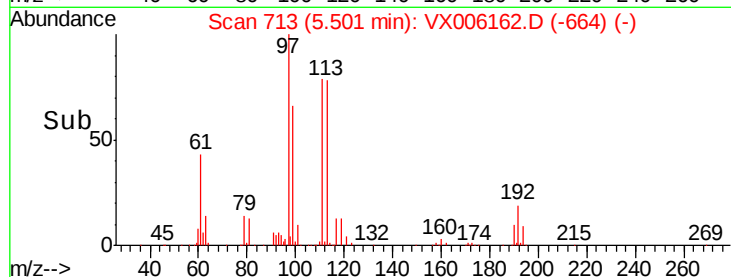
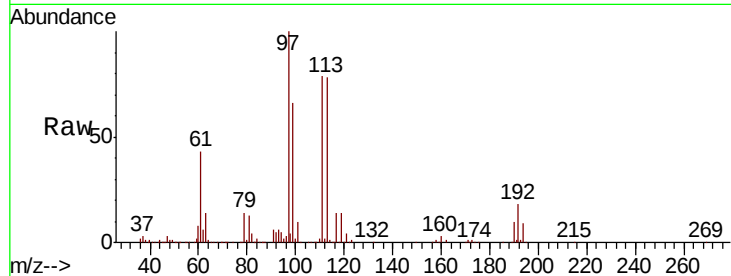
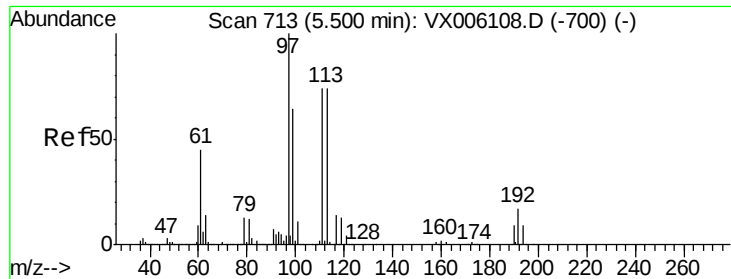


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





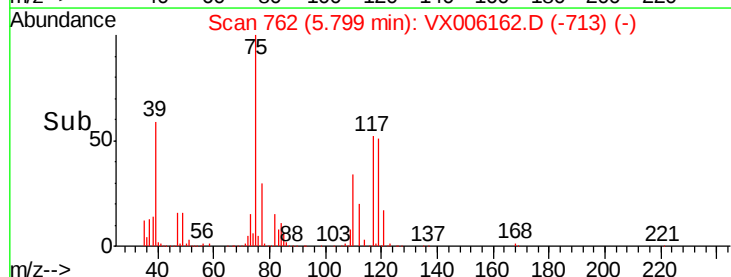
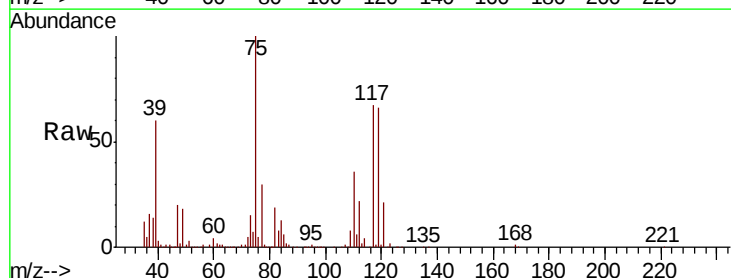
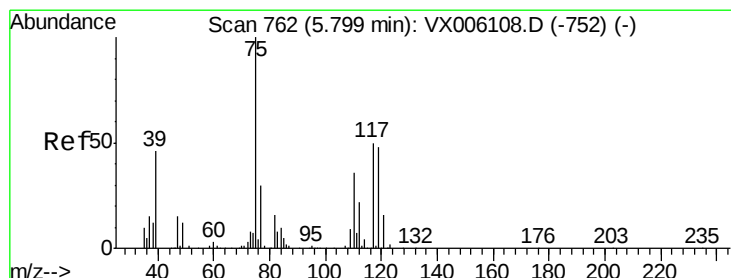
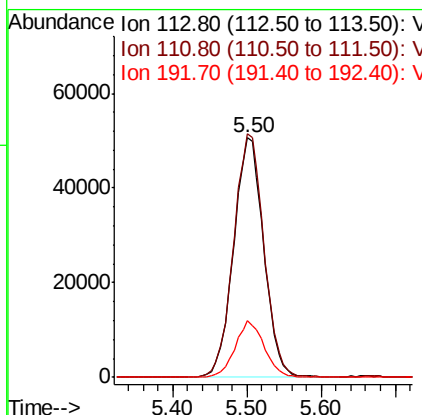
#35
Dibromofluoromethane
Concen: 55.990 ug/l
RT: 5.50 min Scan# 713
Delta R.T. 0.00 min
Lab File: VX006162.D
Acq: 22 Nov 2018 09:22

Tot Ion	Ratio	Resp	Lower	Upper
113	100	143395		
111	102.6	81.5	122.3	
192	22.8	18.6	28.0	

Instrument :
MSVOA_X
ClientSampleId :
DTW-03MSD

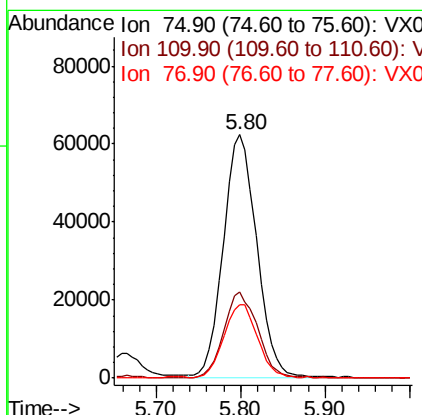
Manual Integrations
APPROVED

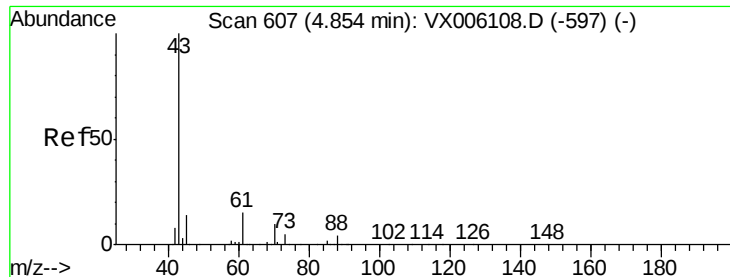
MMDadoda
11/26/2018 9:49:34 AM



#36
1,1-Dichloropropene
Concen: 46.228 ug/l
RT: 5.80 min Scan# 762
Delta R.T. 0.00 min
Lab File: VX006162.D
Acq: 22 Nov 2018 09:22

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	167792		
110	36.3	17.8	53.3	
77	30.5	24.5	36.7	





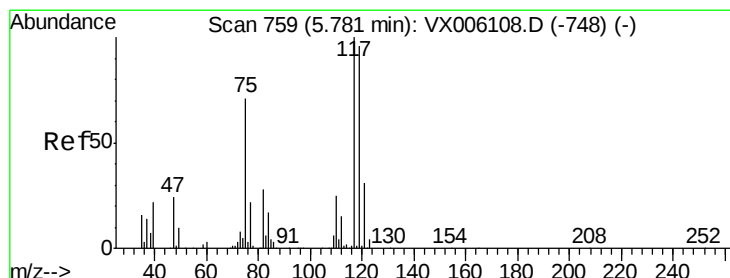
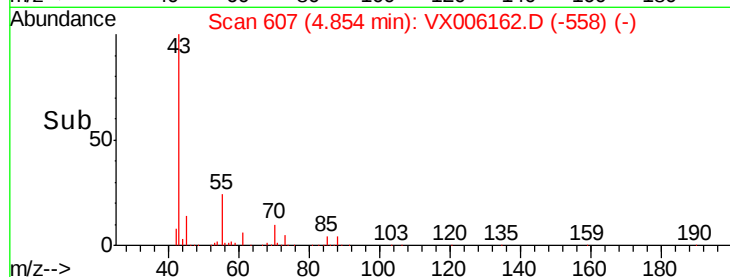
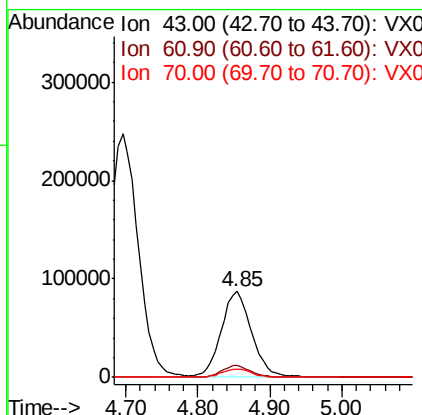
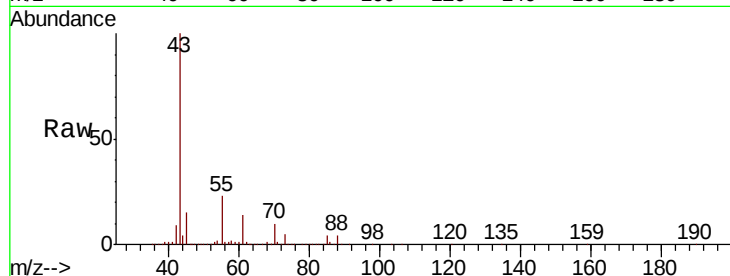
#37
Ethyl Acetate
Concen: 54.513 ug/l
RT: 4.85 min Scan# 607
Delta R.T. 0.00 min
Lab File: VX006162.D
Acq: 22 Nov 2018 09:22

Instrument :
MSVOA_X
ClientSampleId :
DTW-03MSD

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.1	10.5	15.7
70	9.5	7.9	11.9

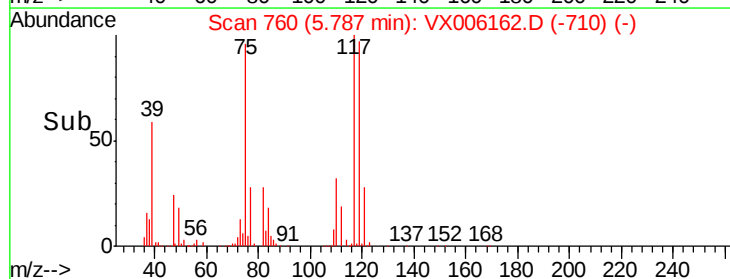
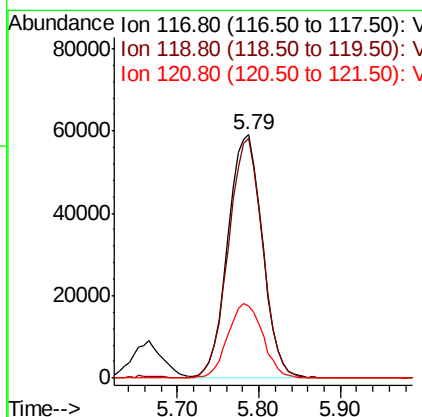
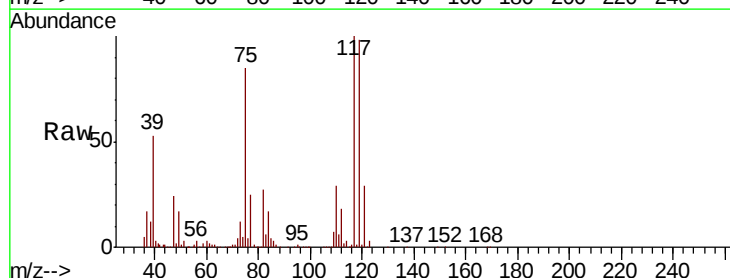
Manual Integrations
APPROVED

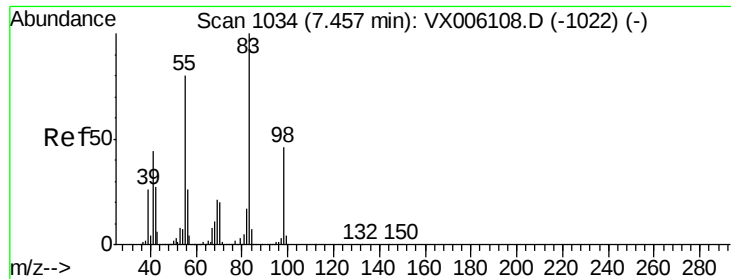
MMDadoda
11/26/2018 9:49:34 AM



#38
Carbon Tetrachloride
Concen: 50.886 ug/l
RT: 5.79 min Scan# 760
Delta R.T. 0.01 min
Lab File: VX006162.D
Acq: 22 Nov 2018 09:22

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.4	76.3	114.5
121	29.4	24.7	37.1





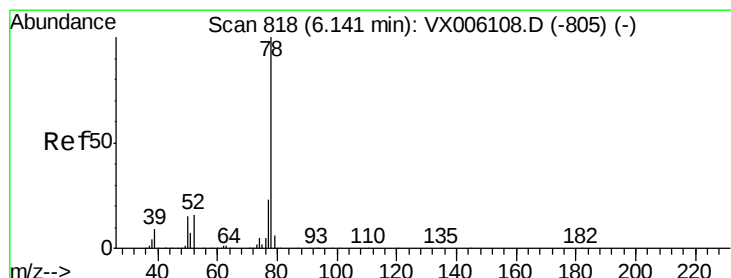
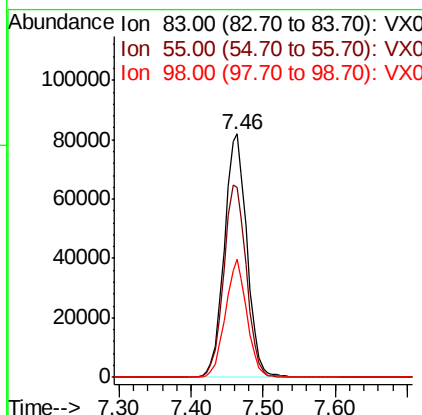
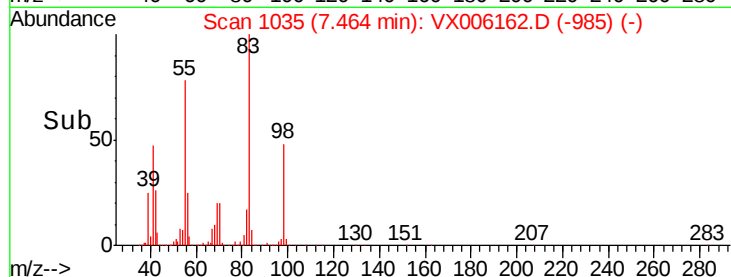
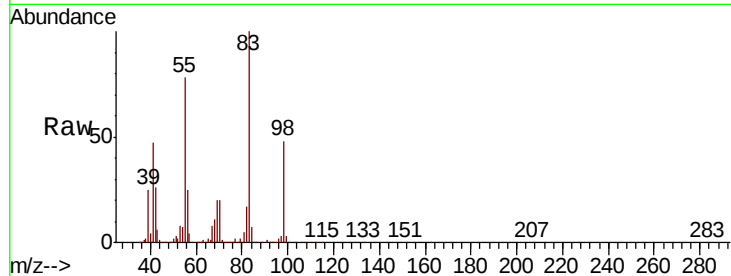
#39
Methvlcvclohexane
Concen: 43.252 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.01 min
Lab File: VX006162.D
Acq: 22 Nov 2018 09:22

Instrument :
MSVOA_X
ClientSampleId :
DTW-03MSD

Tot Ion	Ratio	Lower	Upper
83	100		
55	78.0	63.9	95.9
98	48.4	36.8	55.2

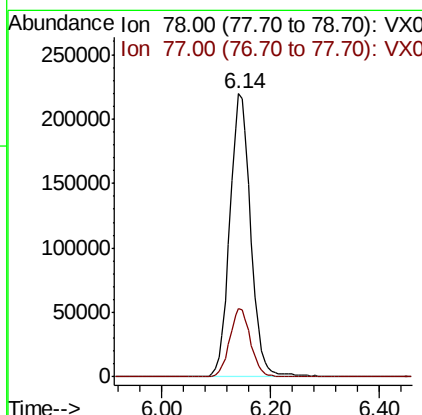
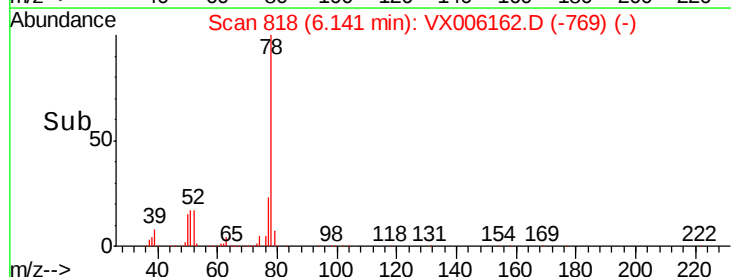
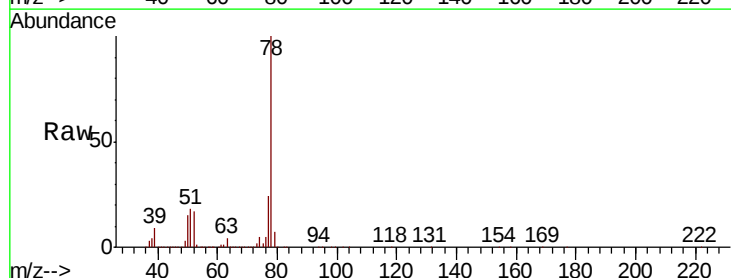
Manual Integrations
APPROVED

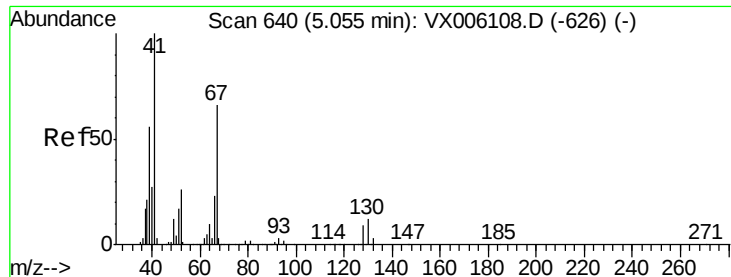
MMDadoda
11/26/2018 9:49:34 AM



#40
Benzene
Concen: 55.192 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX006162.D
Acq: 22 Nov 2018 09:22

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	18.8	28.2





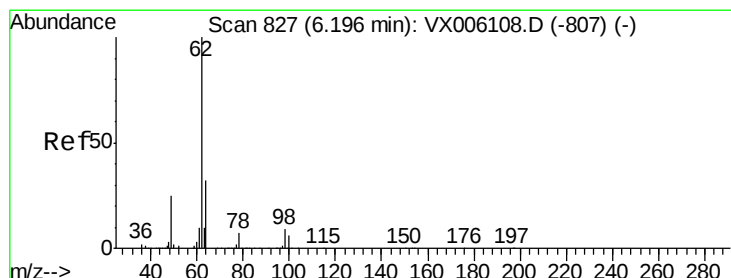
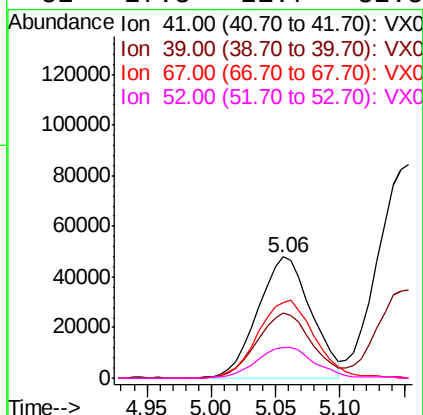
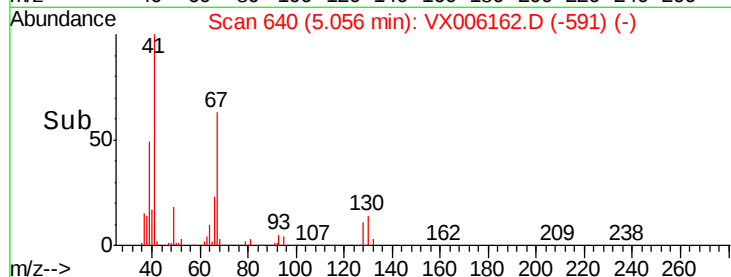
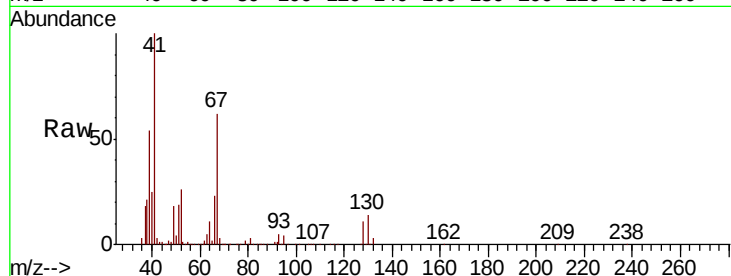
#41
Methacrylonitrile
Concen: 53.510 ug/l
RT: 5.06 min Scan# 640
Delta R.T. 0.00 min
Lab File: VX006162.D
Acq: 22 Nov 2018 09:22

Instrument :
MSVOA_X
ClientSampleId :
DTW-03MSD

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	54.3	44.1	66.1	
67	68.5	54.1	81.1	
52	27.8	21.7	32.5	

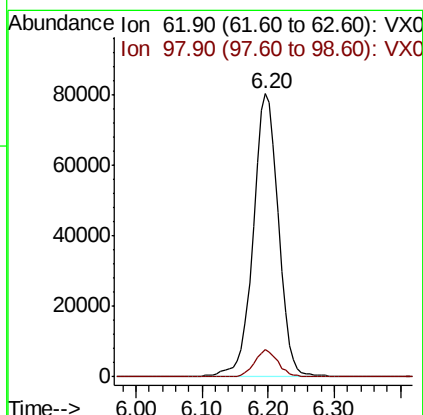
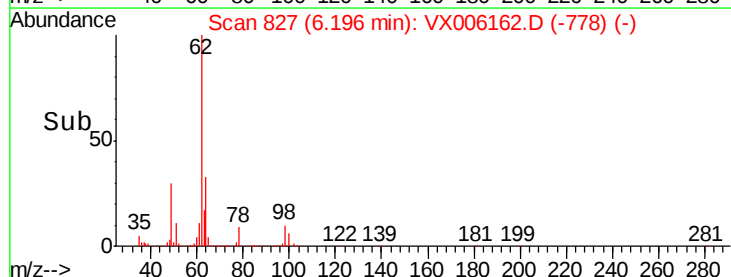
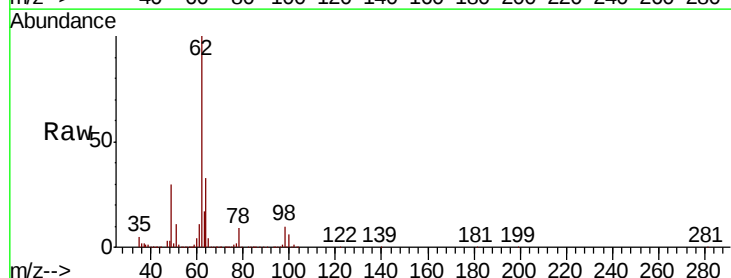
Manual Integrations
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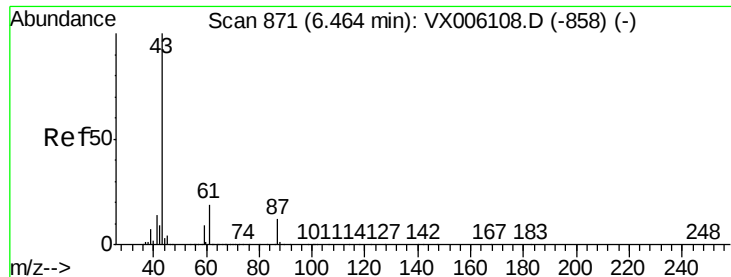
MMDadoda
11/26/2018 9:49:34 AM



#42
1,2-Dichloroethane
Concen: 53.216 ug/l
RT: 6.20 min Scan# 827
Delta R.T. 0.00 min
Lab File: VX006162.D
Acq: 22 Nov 2018 09:22

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.0	0.0	17.8	





#43

Isopropyl Acetate

Concen: 57.003 ug/l

RT: 6.46 min Scan# 870

Delta R.T. -0.01 min

Lab File: VX006162.D

Acq: 22 Nov 2018 09:22

Instrument :

MSVOA_X

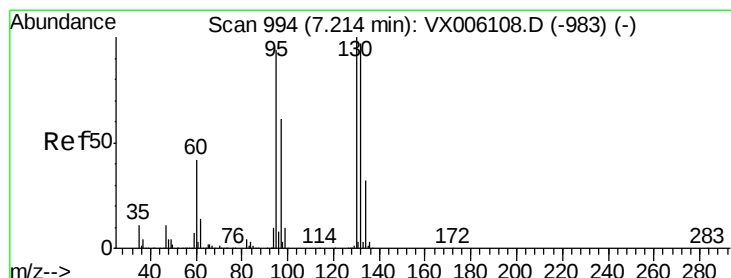
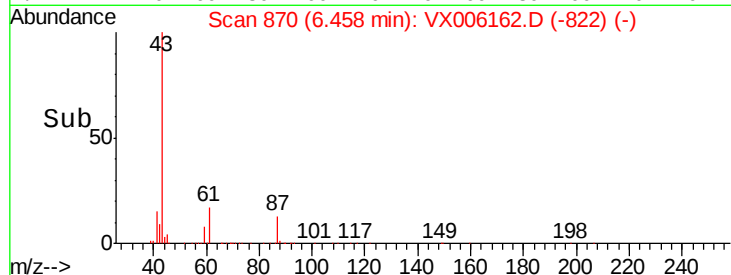
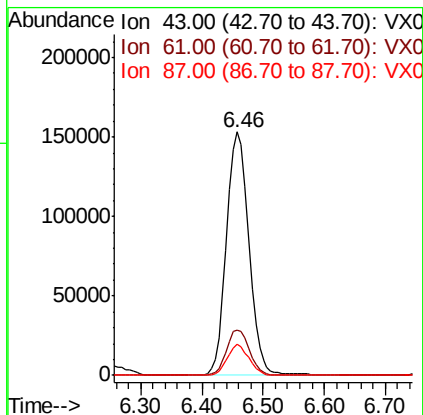
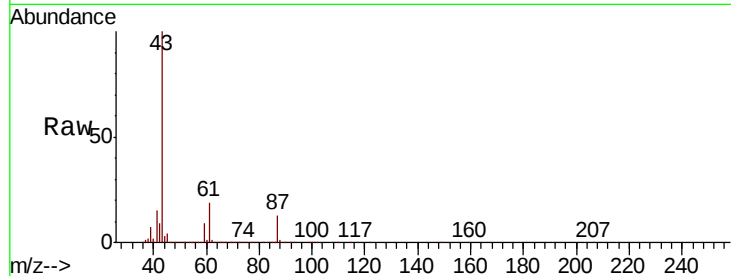
ClientSampleId :

DTW-03MSD

Tot Ion:	43	Resp:	384427
Ion	Ratio	Lower	Upper
43	100		
61	19.2	15.2	22.8
87	12.4	9.6	14.4

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#44

Trichloroethene

Concen: 47.778 ug/l

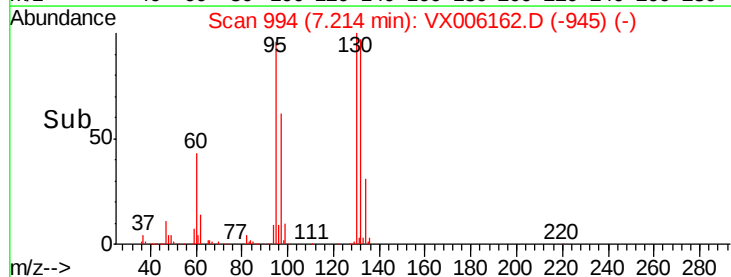
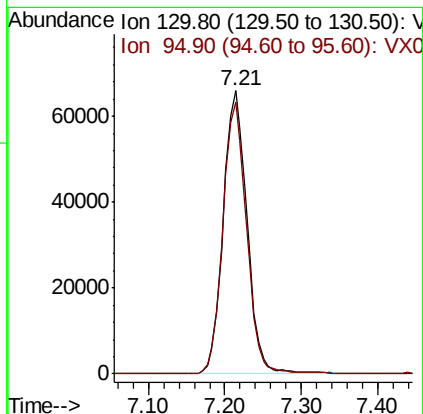
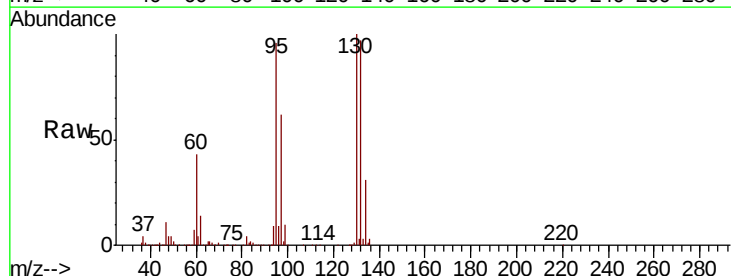
RT: 7.21 min Scan# 994

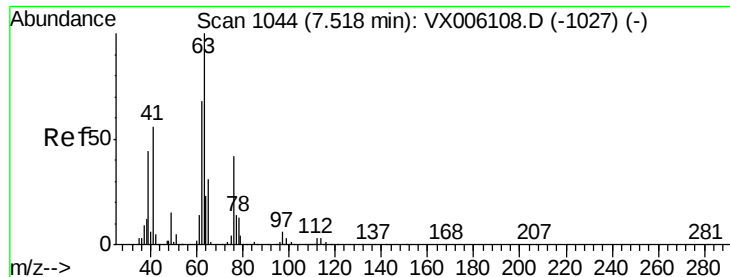
Delta R.T. 0.00 min

Lab File: VX006162.D

Acq: 22 Nov 2018 09:22

Tgt Ion:	130	Resp:	142004
Ion	Ratio	Lower	Upper
130	100		
95	96.2	0.0	188.8





#45

1,2-Dichloropropane

Concen: 53.543 ug/l

RT: 7.52 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VX006162.D

Acq: 22 Nov 2018 09:22

Instrument :

MSVOA_X

ClientSampleId :

DTW-03MSD

Tot Ion: 63 Resp: 151529

Ion Ratio Lower Upper

63 100

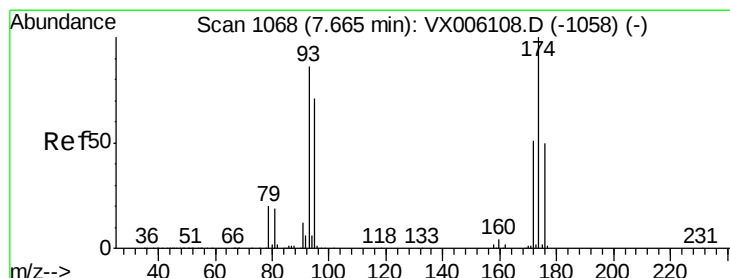
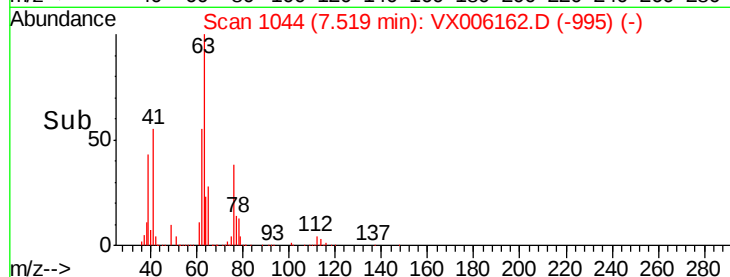
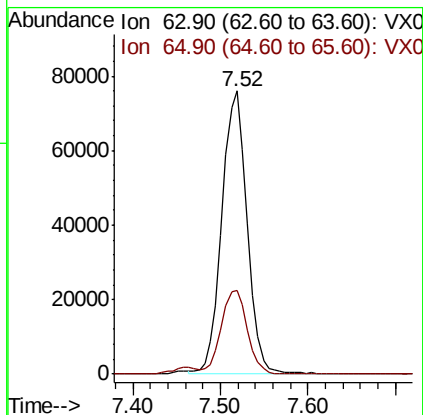
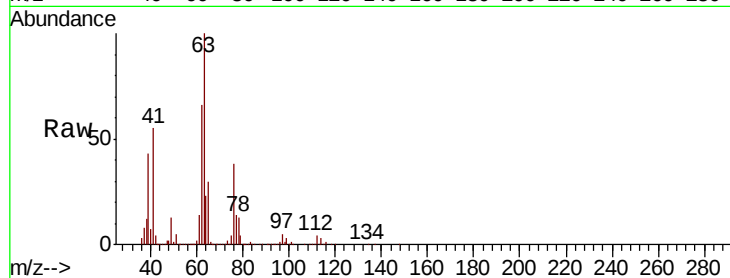
65 29.4 24.8 37.2

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#46

Dibromomethane

Concen: 53.986 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. -0.01 min

Lab File: VX006162.D

Acq: 22 Nov 2018 09:22

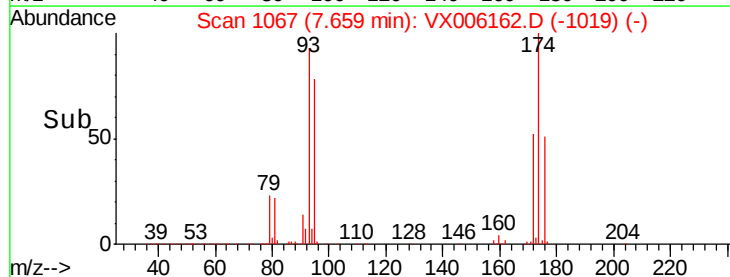
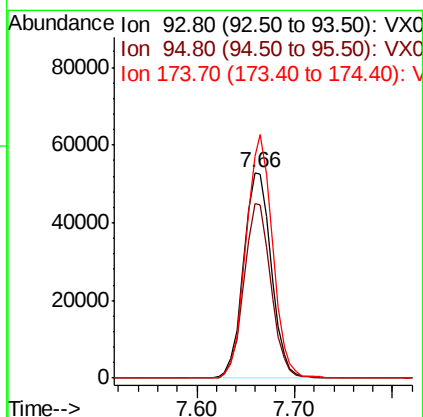
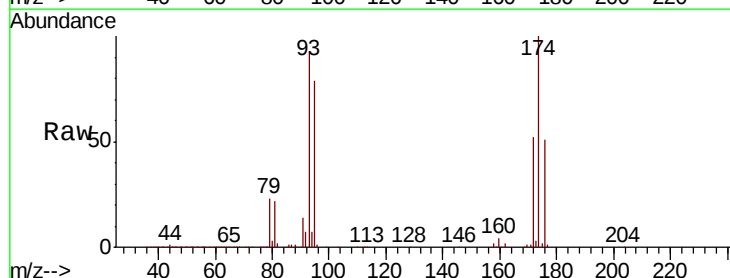
Tgt Ion: 93 Resp: 104631

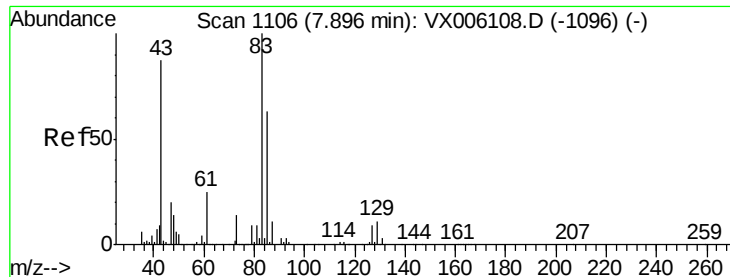
Ion Ratio Lower Upper

93 100

95 82.9 66.3 99.5

174 113.2 91.0 136.6





#47

Bromodichloromethane

Concen: 55.799 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX006162.D

Acq: 22 Nov 2018 09:22

Instrument :

MSVOA_X

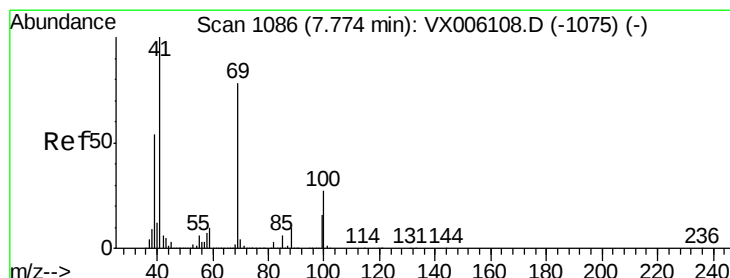
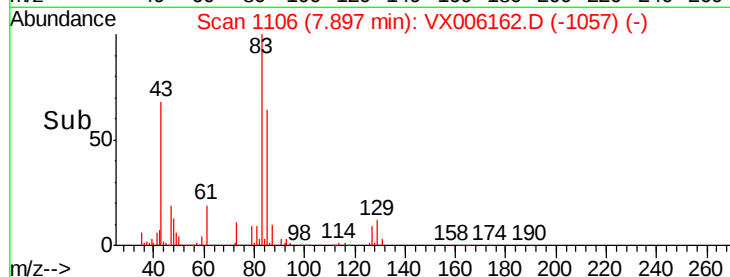
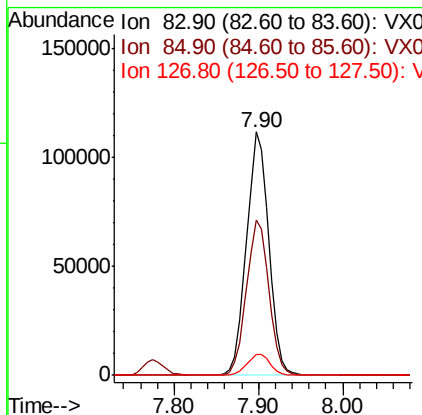
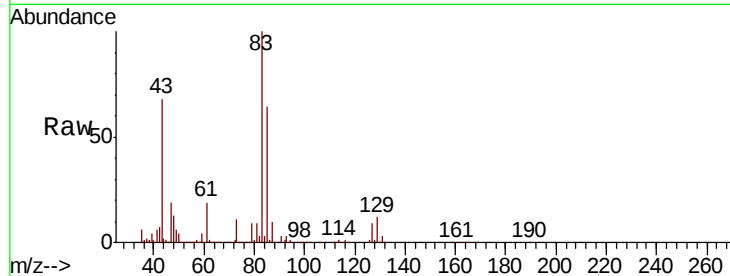
ClientSampleId :

DTW-03MSD

Tot Ion:	83	Resp:	200017
Ion Ratio	Lower	Upper	
83	100		
85	63.8	50.4	75.6
127	8.6	7.0	10.4

Manual Integrations
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#48

Methyl methacrylate

Concen: 59.353 ug/l

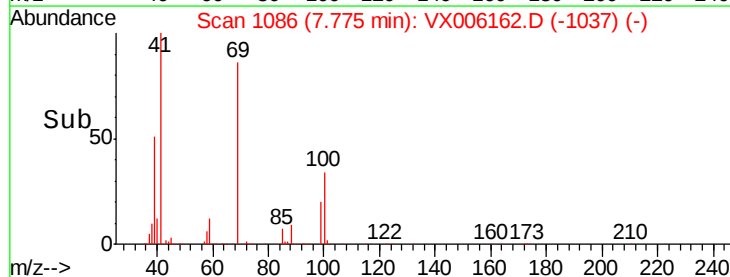
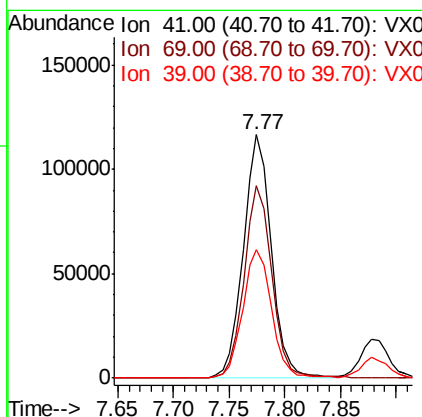
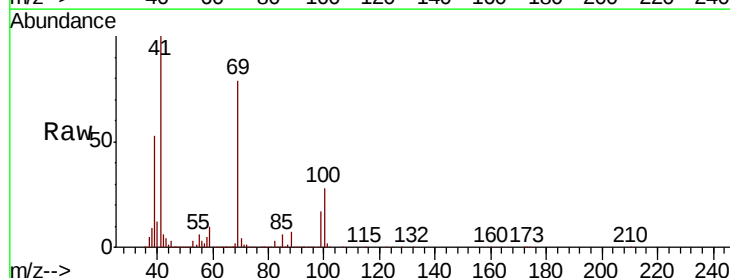
RT: 7.77 min Scan# 1086

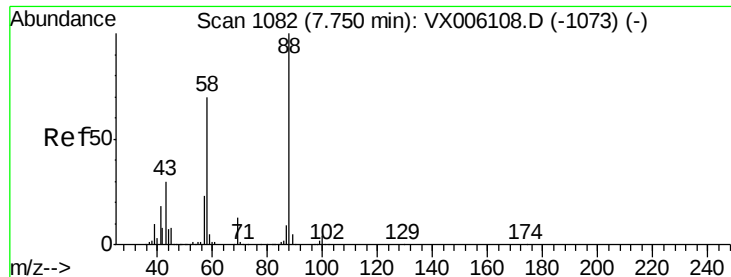
Delta R.T. 0.00 min

Lab File: VX006162.D

Acq: 22 Nov 2018 09:22

Tgt Ion:	41	Resp:	203005
Ion Ratio	Lower	Upper	
41	100		
69	79.2	62.8	94.2
39	54.4	43.8	65.6





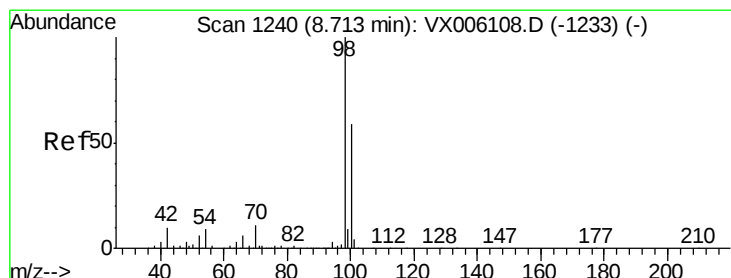
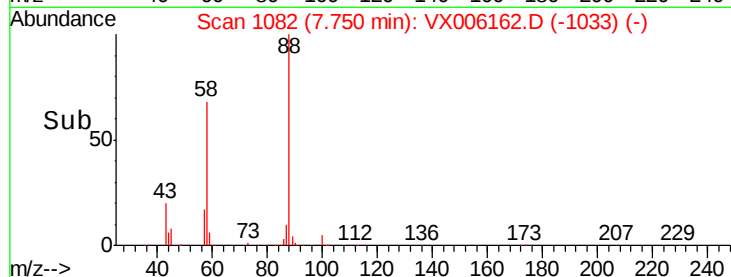
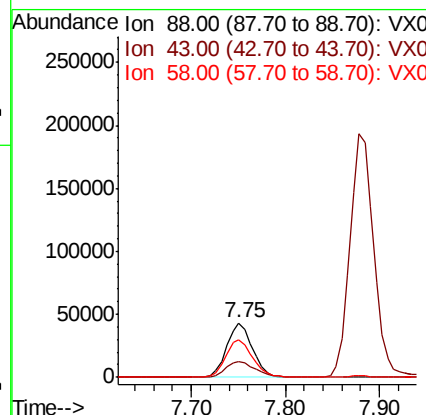
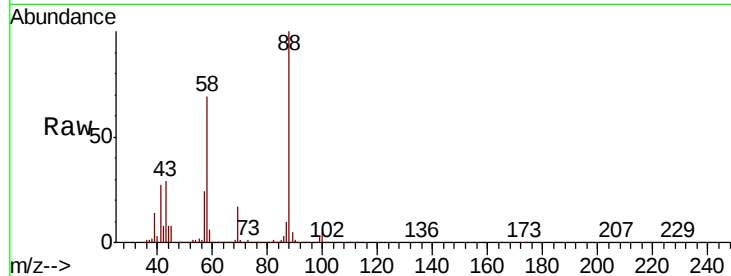
#49
1,4-Dioxane
Concen: 1005.514 ug/l
RT: 7.75 min Scan# 1082
Delta R.T. 0.00 min
Lab File: VX006162.D
Acq: 22 Nov 2018 09:22

Instrument :
MSVOA_X
ClientSampleId :
DTW-03MSD

Tot Ion	88	Resp	81593
Ion Ratio	100	Lower	Upper
88	100		
43	33.6	26.7	40.1
58	72.4	58.5	87.7

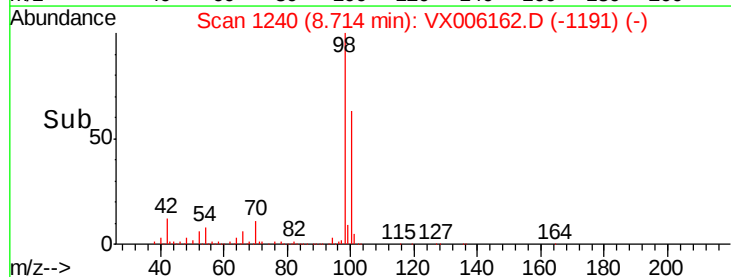
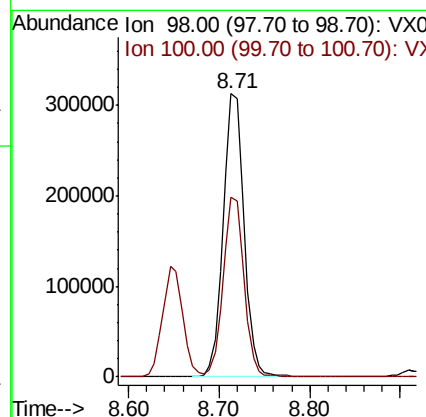
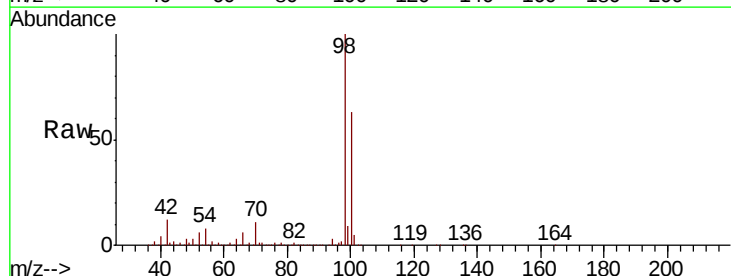
Manual Integrations
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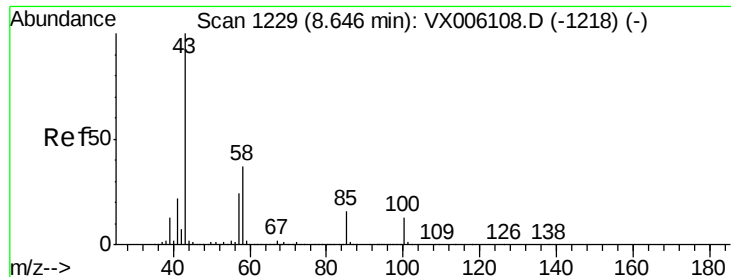
MMDadoda
11/26/2018 9:49:34 AM



#50
Toluene-d8
Concen: 51.592 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX006162.D
Acq: 22 Nov 2018 09:22

Tgt Ion	98	Resp	503971
Ion Ratio	100	Lower	Upper
98	100		
100	63.4	51.0	76.4





#51

4-Methyl-2-Pentanone

Concen: 280.788 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. 0.00 min

Lab File: VX006162.D

Acq: 22 Nov 2018 09:22

Instrument :

MSVOA_X

ClientSampleId :

DTW-03MSD

Tot Ion: 43 Resp: 1357542

Ion Ratio Lower Upper

43 100

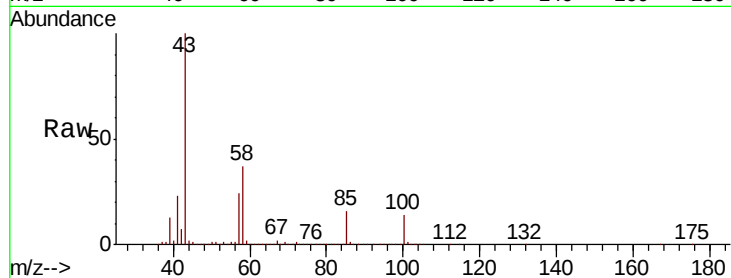
58 37.3 29.9 44.9

Manual Integrations

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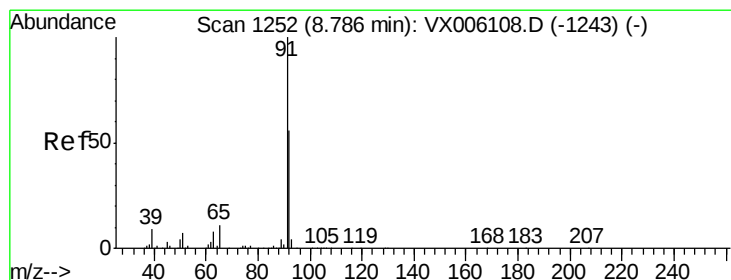
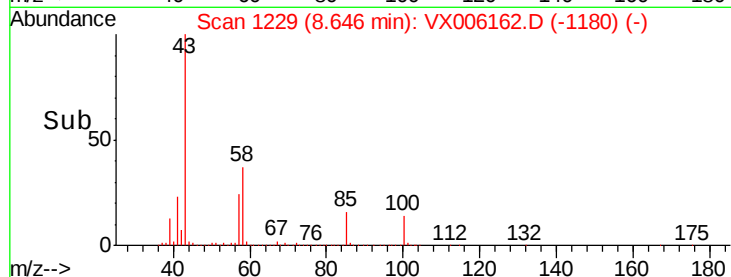
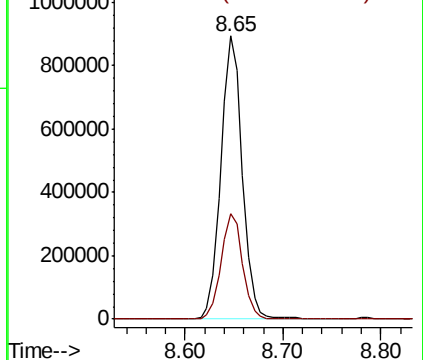
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 53.026 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VX006162.D

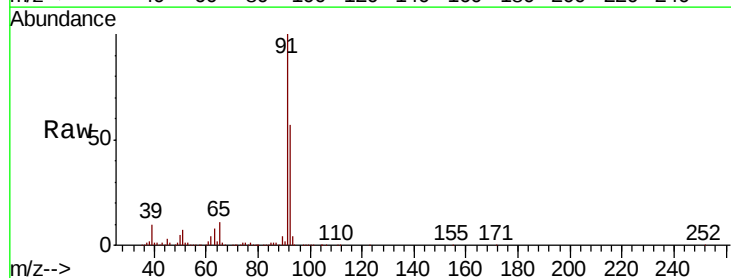
Acq: 22 Nov 2018 09:22

Tgt Ion: 92 Resp: 350736

Ion Ratio Lower Upper

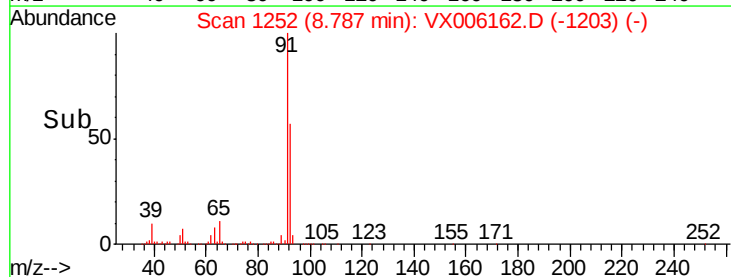
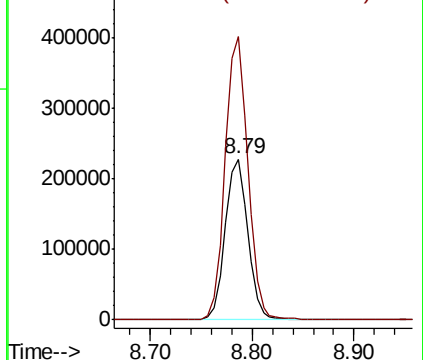
92 100

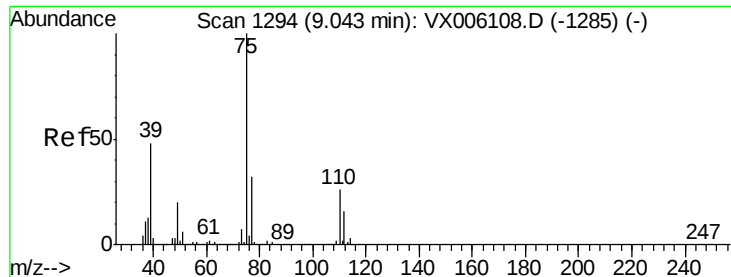
91 177.0 142.5 213.7



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





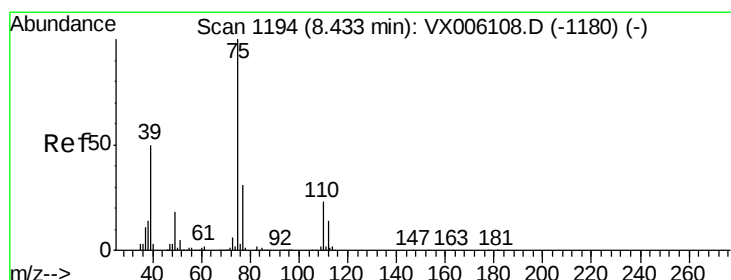
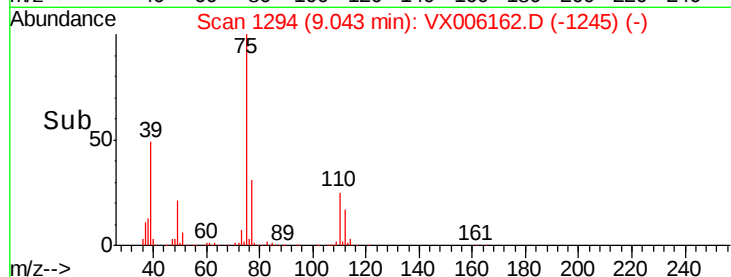
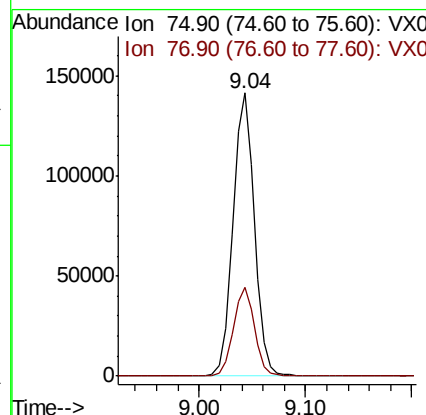
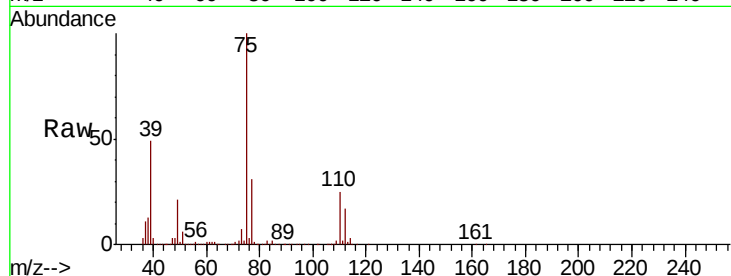
#53
t-1,3-Dichloropropene
Concen: 53.303 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. 0.00 min
Lab File: VX006162.D
Acq: 22 Nov 2018 09:22

Instrument :
MSVOA_X
ClientSampleId :
DTW-03MSD

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.1	25.7	38.5

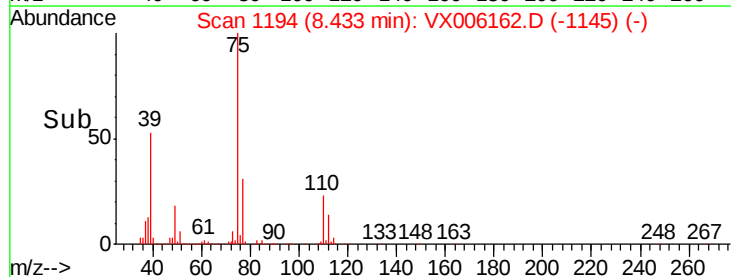
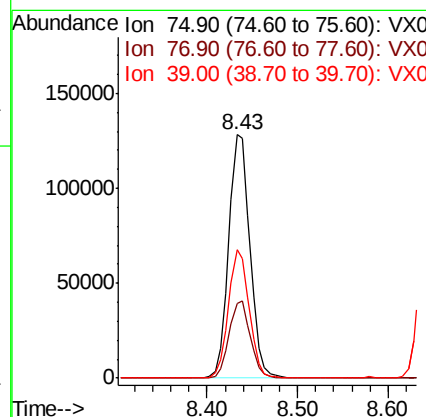
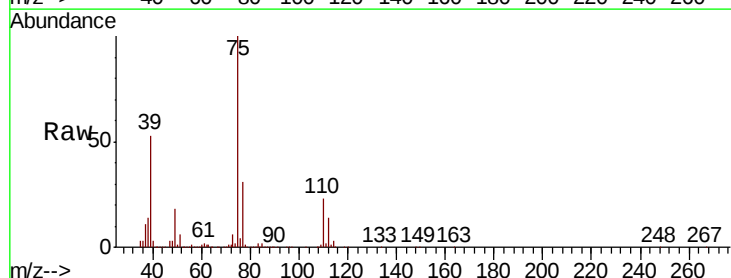
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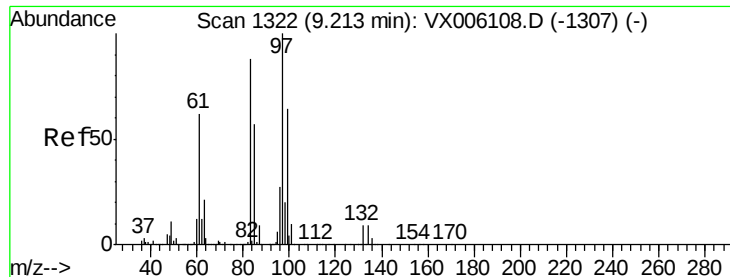
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 50.587 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. 0.00 min
Lab File: VX006162.D
Acq: 22 Nov 2018 09:22

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.8	24.7	37.1
39	52.6	40.3	60.5





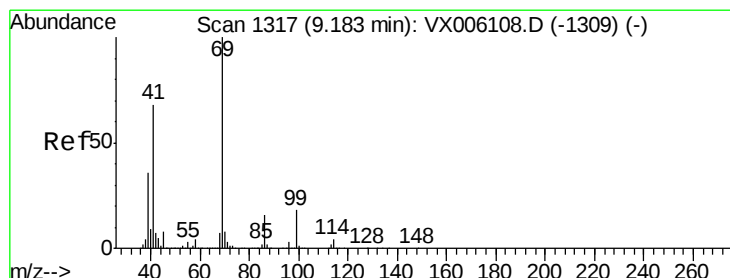
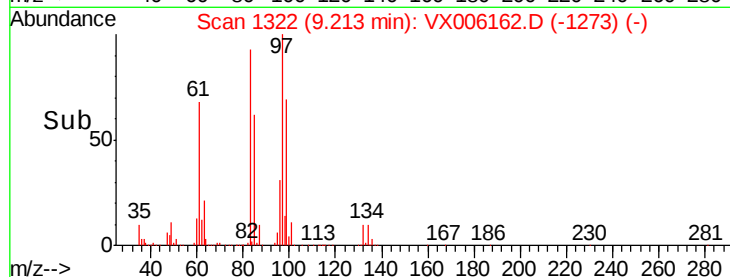
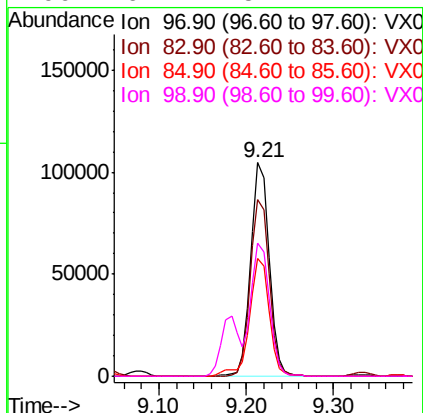
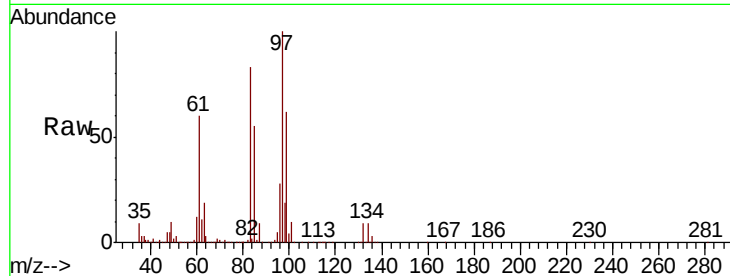
#55
 1,1,2-Trichloroethane
 Concen: 53.622 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX006162.D
 Acq: 22 Nov 2018 09:22

Instrument :
 MSVOA_X
 ClientSampleId :
 DTW-03MSD

Tot Ion	Ratio	Lower	Upper
97	100		
83	82.5	70.7	106.1
85	55.2	45.7	68.5
99	62.1	51.4	77.2

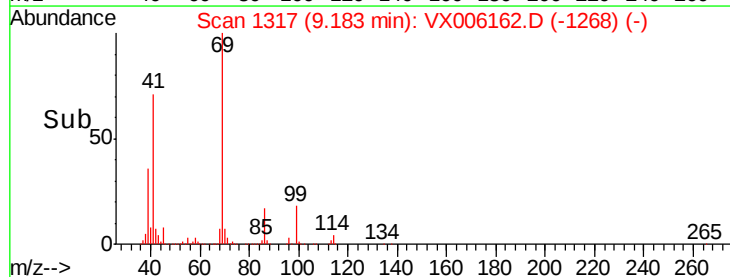
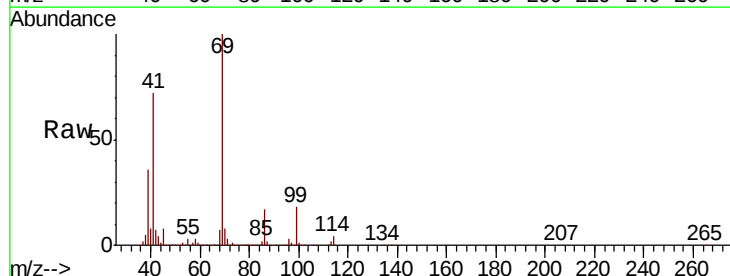
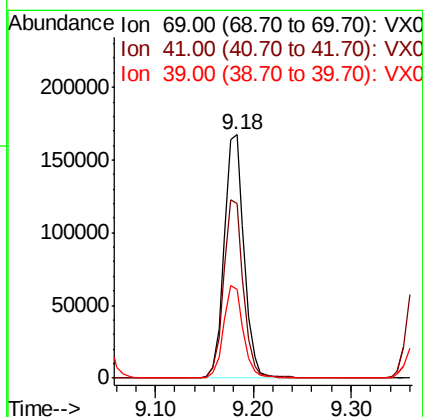
Manual Integrations
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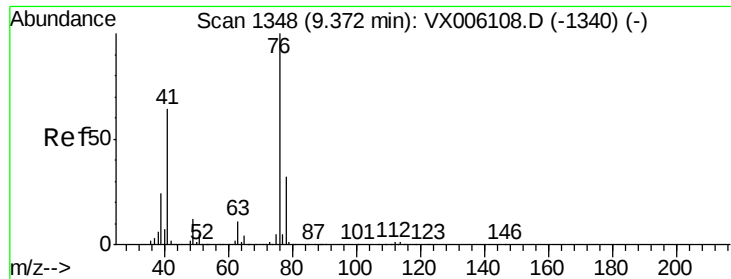
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 11/26/2018 9:49:34 AM



#56
 Ethyl methacrylate
 Concen: 52.610 ug/l
 RT: 9.18 min Scan# 1317
 Delta R.T. 0.00 min
 Lab File: VX006162.D
 Acq: 22 Nov 2018 09:22

Tgt Ion	Ratio	Lower	Upper
69	100		
41	72.1	56.2	84.4
39	37.1	29.4	44.0





#57

1,3-Dichloropropane

Concen: 53.803 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX006162.D

Acq: 22 Nov 2018 09:22

Instrument :

MSVOA_X

ClientSampleId :

DTW-03MSD

Tot Ion: 76 Resp: 254041

Ion Ratio Lower Upper

76 100

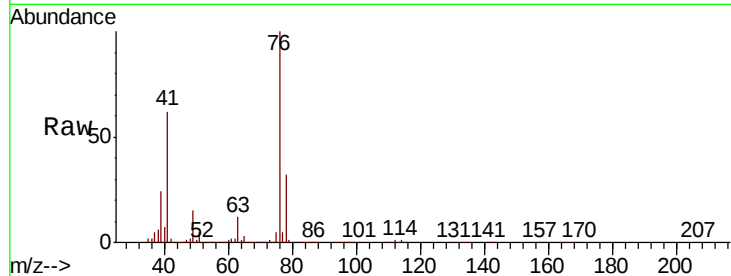
78 32.0 25.7 38.5

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

9.37

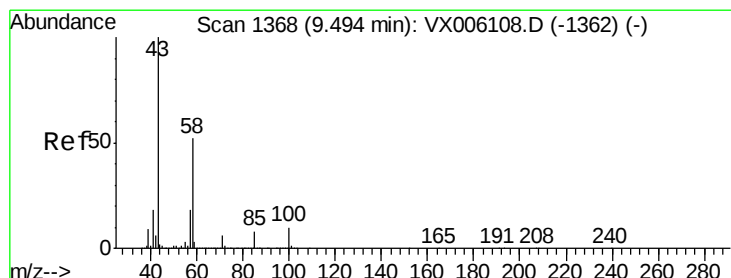
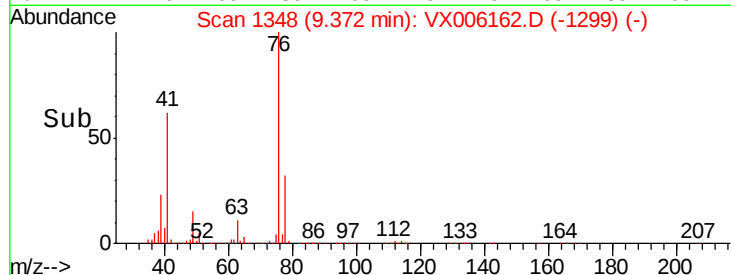
150000

100000

50000

0

Time-->



#59

2-Hexanone

Concen: 279.733 ug/l

RT: 9.49 min Scan# 1368

Delta R.T. 0.00 min

Lab File: VX006162.D

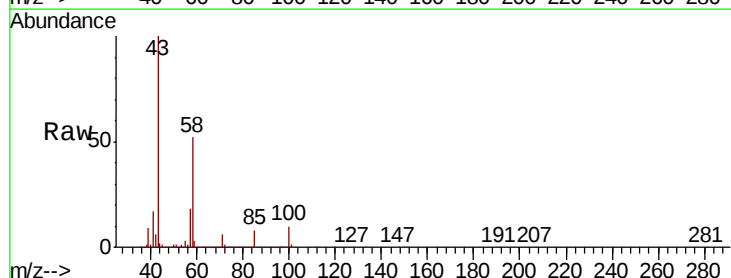
Acq: 22 Nov 2018 09:22

Tgt Ion: 43 Resp: 1073311

Ion Ratio Lower Upper

43 100

58 52.6 26.3 78.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

9.49

800000

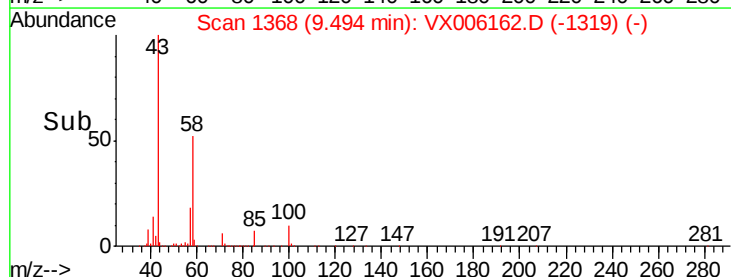
600000

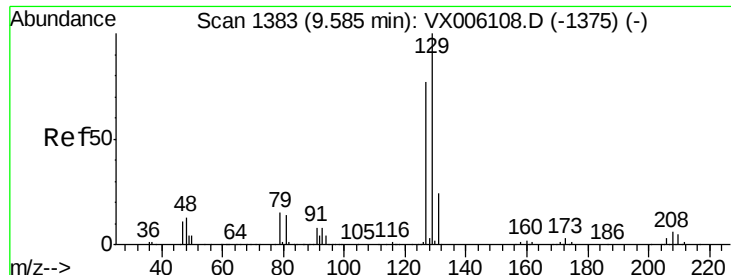
400000

200000

0

Time-->





#60

Dibromochloromethane

Concen: 57.621 ug/l

RT: 9.59 min Scan# 1383

Delta R.T. 0.00 min

Lab File: VX006162.D

Acq: 22 Nov 2018 09:22

Instrument :

MSVOA_X

ClientSampleId :

DTW-03MSD

Tot Ion:129 Resp: 161828

Ion Ratio Lower Upper

129 100

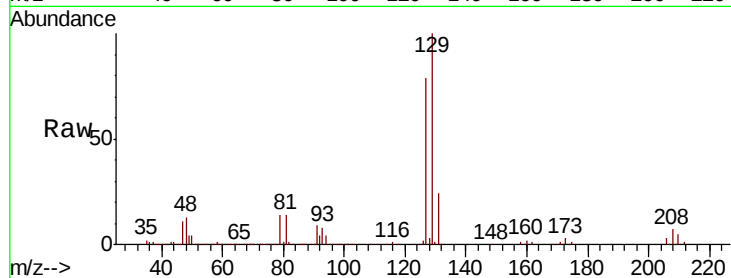
127 77.1 39.1 117.5

Manual Integrations

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Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

9.59

120000

100000

80000

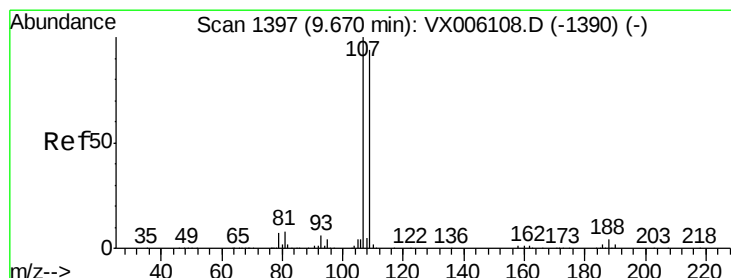
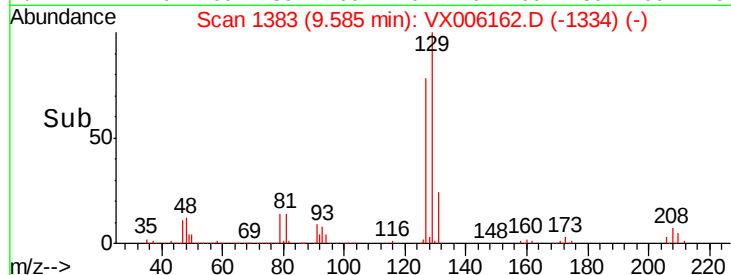
60000

40000

20000

0

Time-->



#61

1,2-Dibromoethane

Concen: 55.643 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX006162.D

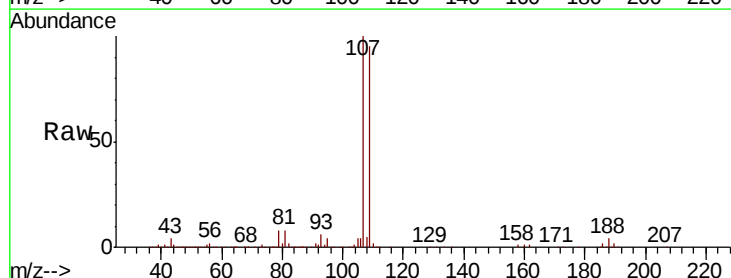
Acq: 22 Nov 2018 09:22

Tgt Ion:107 Resp: 164211

Ion Ratio Lower Upper

107 100

109 94.3 75.7 113.5



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

120000

100000

80000

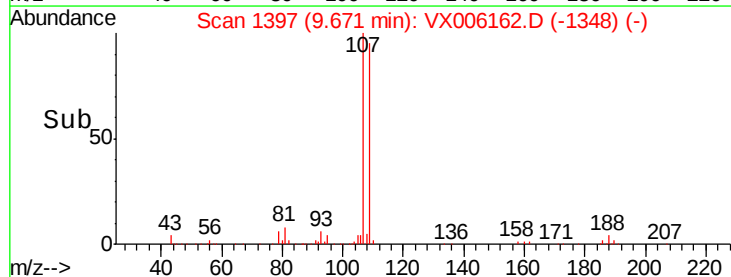
60000

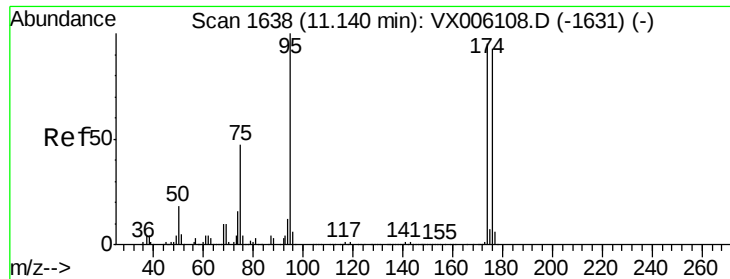
40000

20000

0

Time-->





#62

4-Bromofluorobenzene

Concen: 51.807 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.01 min

Lab File: VX006162.D

Acq: 22 Nov 2018 09:22

Instrument :

MSVOA_X

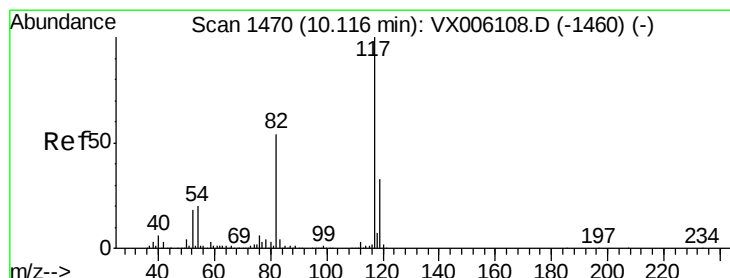
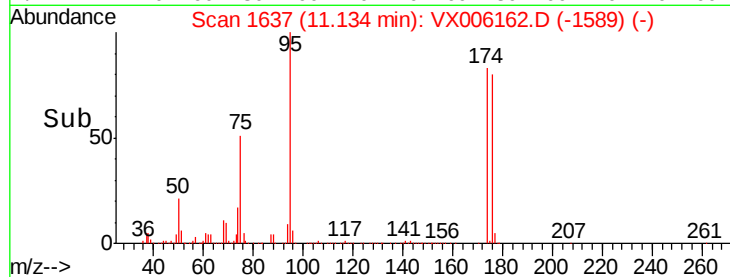
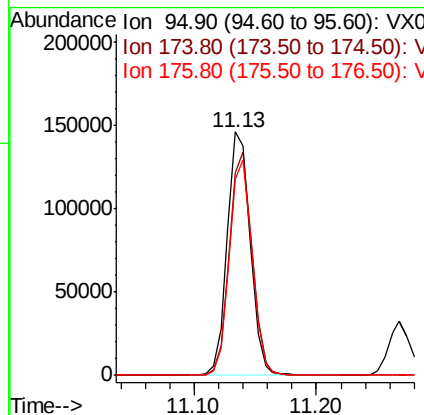
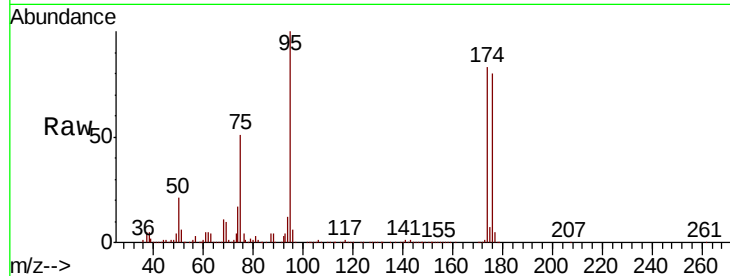
ClientSampleId :

DTW-03MSD

Tot Ion	95	Resp	189881
Ion Ratio	Lower	Upper	
95	100		
174	90.5	0.0	184.4
176	87.8	0.0	179.0

Manual Integrations
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#63

Chlorobenzene-d5

Concen: 50.000 ug/l

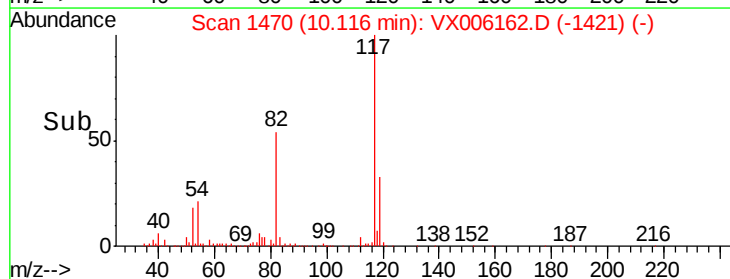
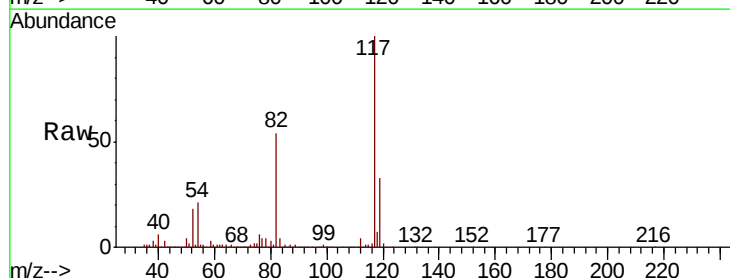
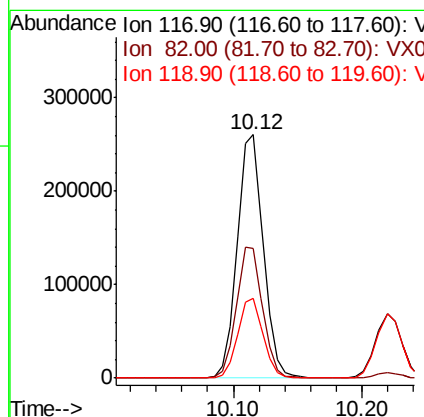
RT: 10.12 min Scan# 1470

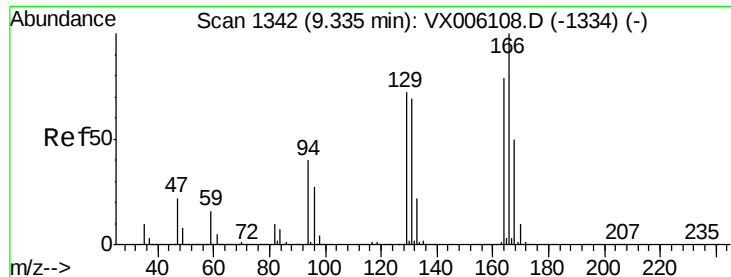
Delta R.T. 0.00 min

Lab File: VX006162.D

Acq: 22 Nov 2018 09:22

Tgt Ion	117	Resp	367149
Ion Ratio	Lower	Upper	
117	100		
82	53.5	43.0	64.4
119	32.6	26.1	39.1





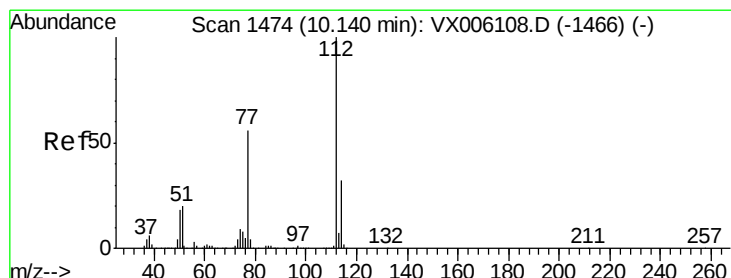
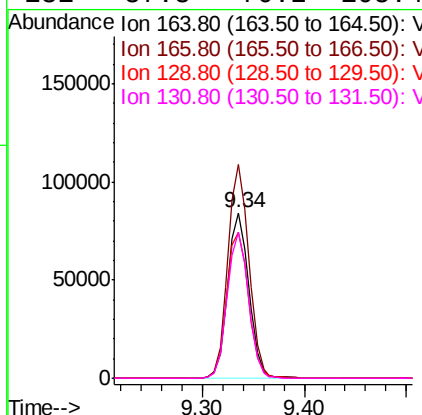
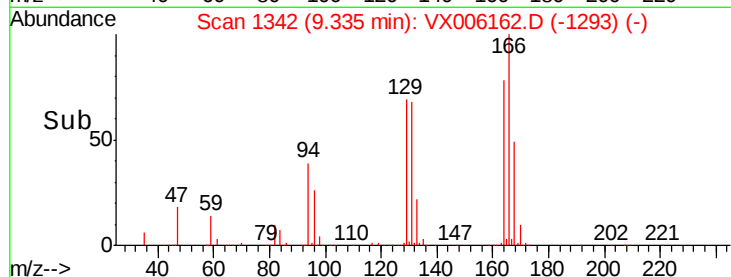
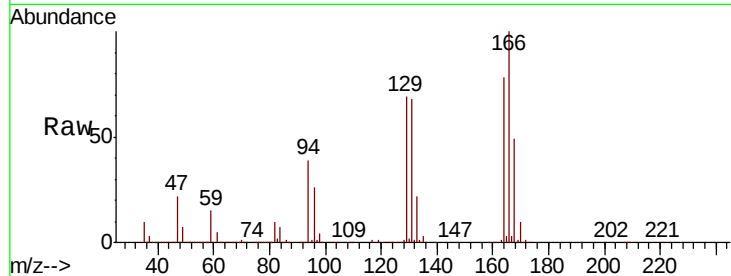
#64
Tetrachloroethene
Concen: 39.785 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX006162.D
Acq: 22 Nov 2018 09:22

Instrument :
MSVOA_X
ClientSampleId :
DTW-03MSD

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
166	129.0	101.5	152.3	
129	88.4	73.4	110.0	
131	87.8	70.2	105.4	

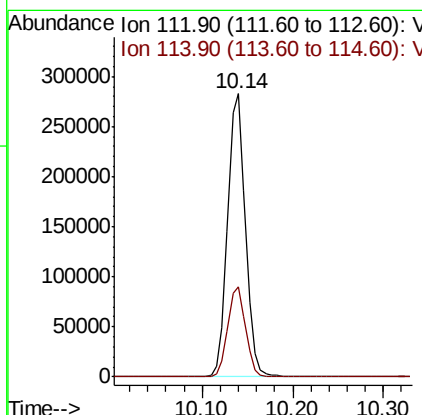
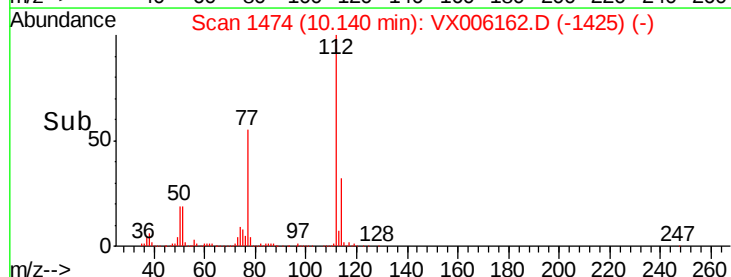
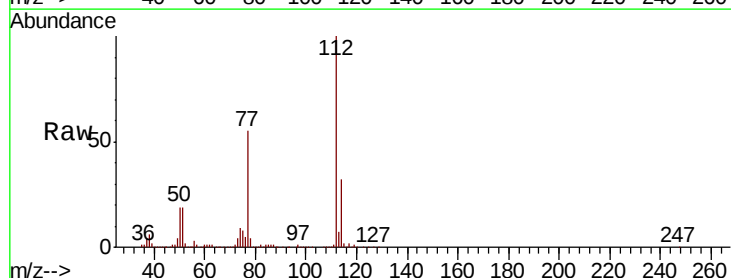
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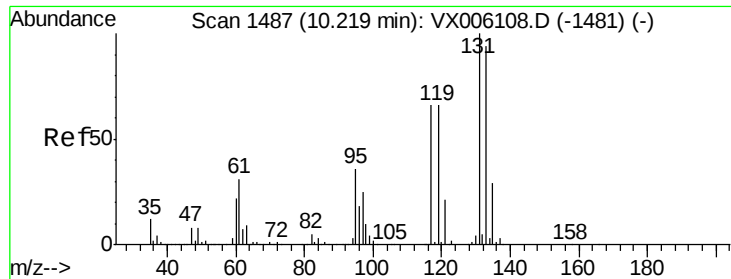
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#65
Chlorobenzene
Concen: 51.205 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.00 min
Lab File: VX006162.D
Acq: 22 Nov 2018 09:22

Tgt Ion	Ratio	Resp	Lower	Upper
112	100			
114	32.0	25.6	38.4	





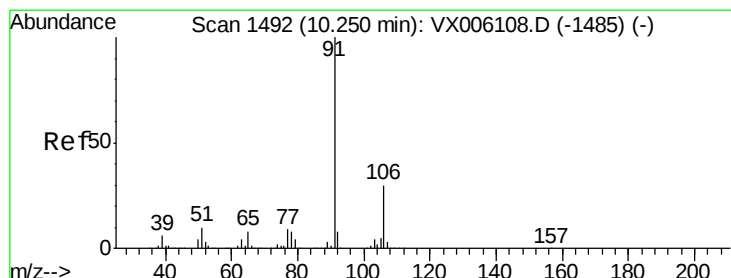
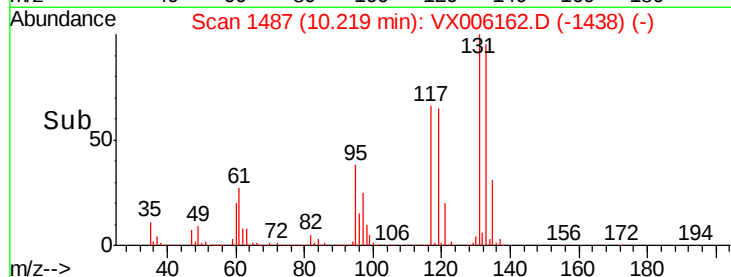
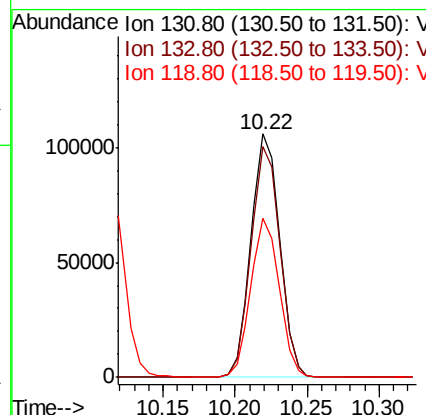
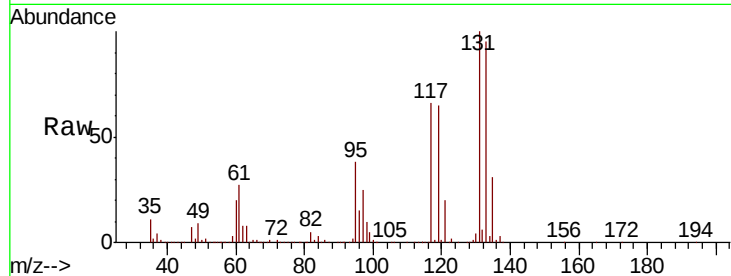
#66
 1,1,1,2-Tetrachloroethane
 Concen: 56.452 ug/l
 RT: 10.22 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VX006162.D
 Acq: 22 Nov 2018 09:22

Instrument :
 MSVOA_X
 ClientSampleId :
 DTW-03MSD

Tot Ion	Ratio	Lower	Upper
131	100		
133	95.3	48.0	144.2
119	64.7	32.6	97.8

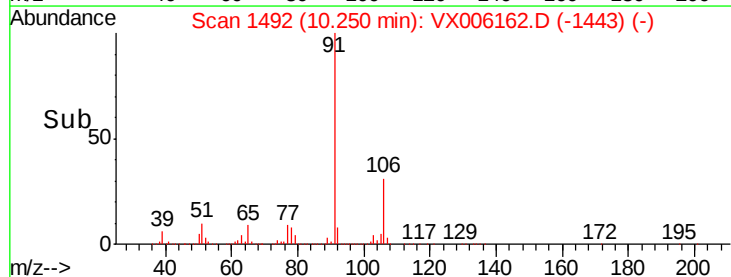
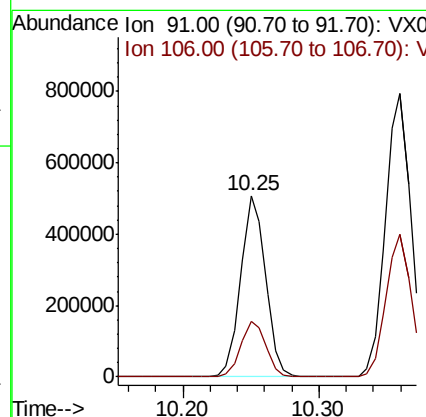
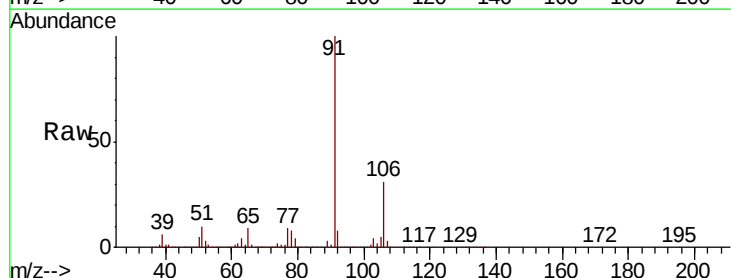
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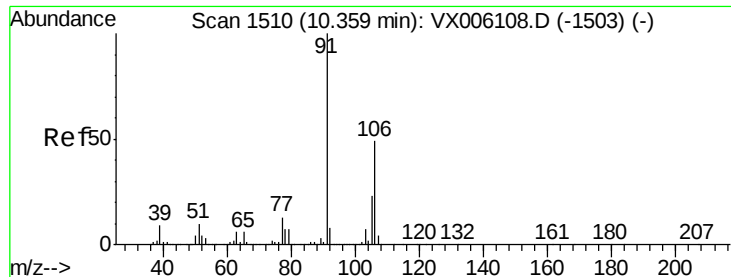
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 11/26/2018 9:49:34 AM



#67
 Ethyl Benzene
 Concen: 52.613 ug/l
 RT: 10.25 min Scan# 1492
 Delta R.T. 0.00 min
 Lab File: VX006162.D
 Acq: 22 Nov 2018 09:22

Tgt Ion	Ratio	Lower	Upper
91	100		
106	30.9	24.4	36.6





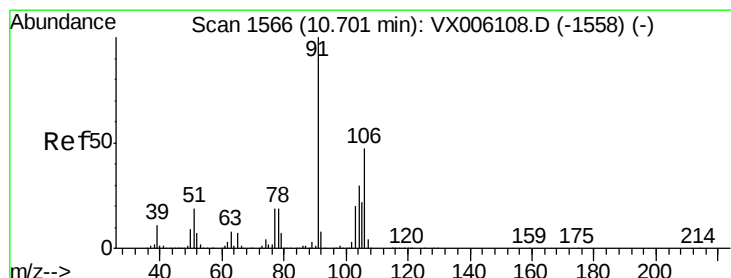
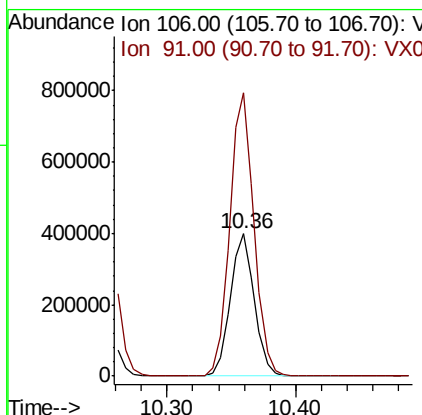
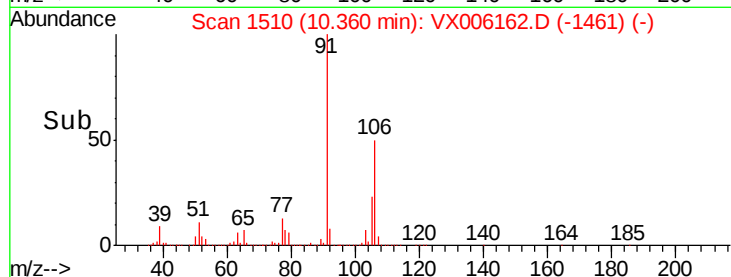
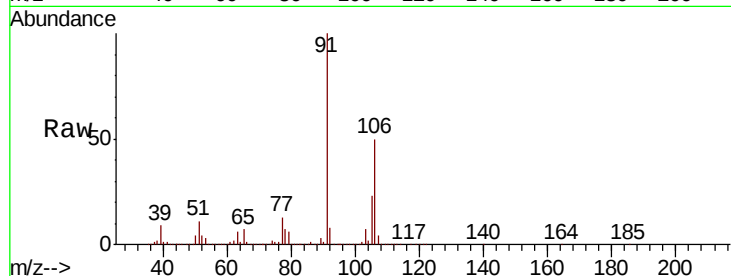
#68
m/p-Xylenes
Concen: 108.111 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX006162.D
Acq: 22 Nov 2018 09:22

Instrument :
MSVOA_X
ClientSampleId :
DTW-03MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		519108		
91	201.4	162.0	243.0		

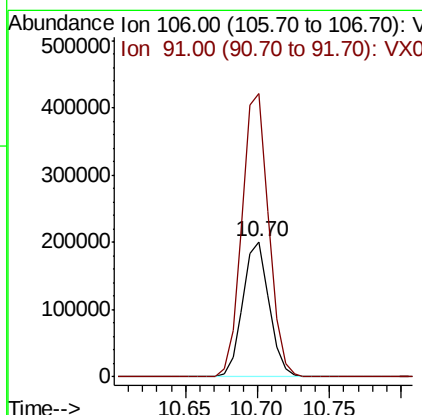
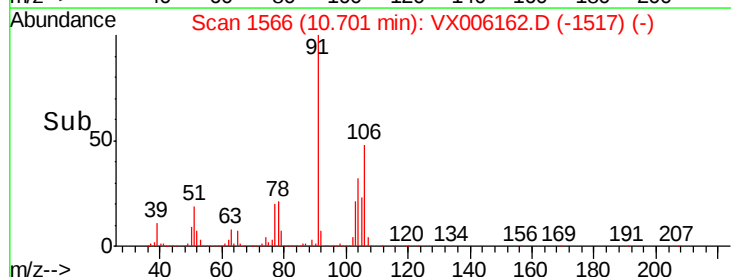
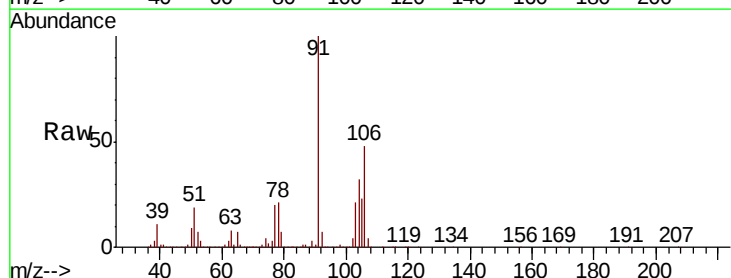
Manual Integrations
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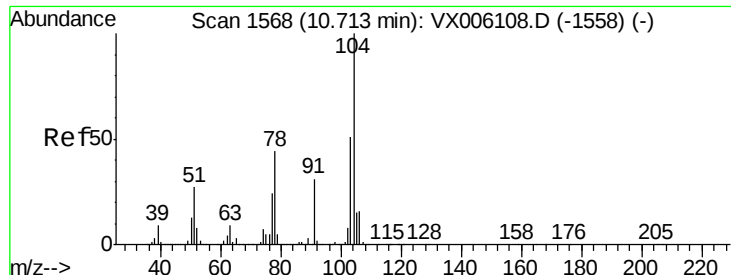
MMDadoda
11/26/2018 9:49:34 AM



#69
o-Xylene
Concen: 55.480 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VX006162.D
Acq: 22 Nov 2018 09:22

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
106	100		254458		
91	213.3	107.4	322.2		





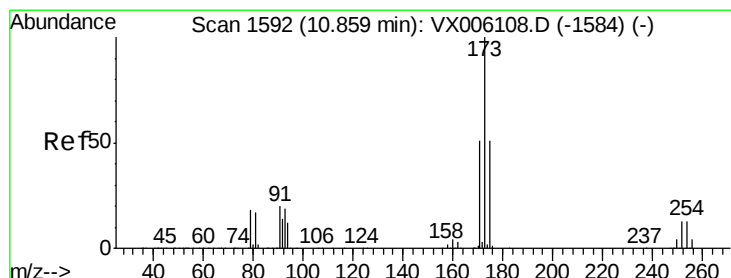
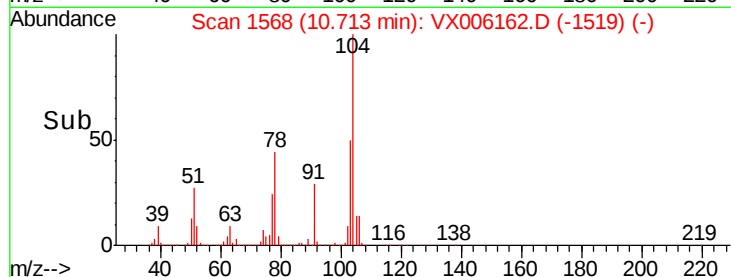
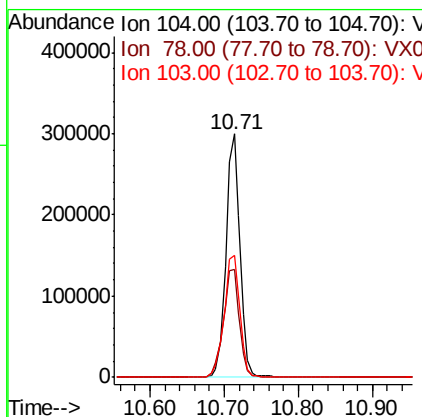
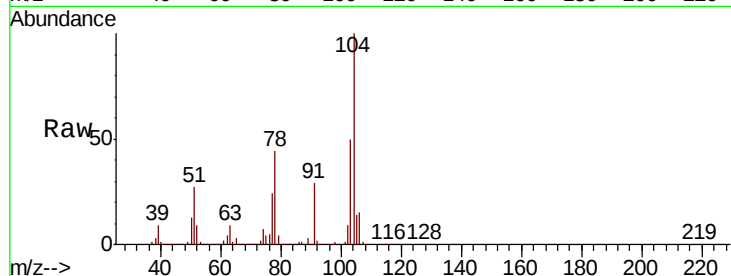
#70
Stvrene
Concen: 52.473 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX006162.D
Acq: 22 Nov 2018 09:22

Instrument :
MSVOA_X
ClientSampleId :
DTW-03MSD

Tot Ion	Ratio	Resp	Lower	Upper
104	100	392412		
78	50.5		39.4	59.2
103	56.8		44.6	67.0

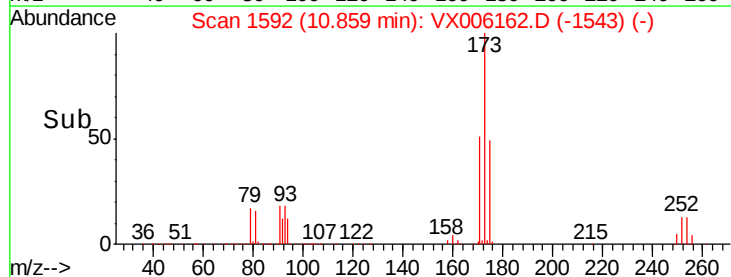
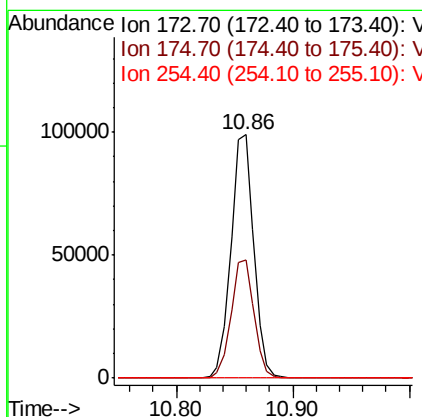
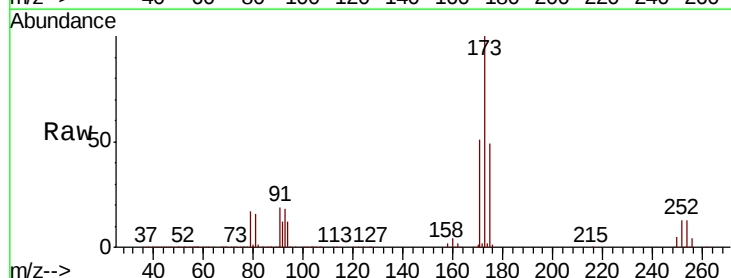
Manual Integrations
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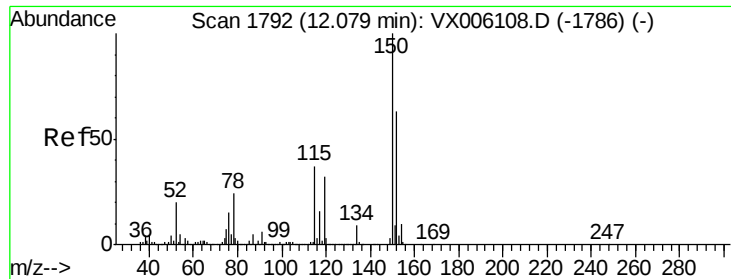
MMDadoda
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#71
Bromoform
Concen: 58.376 ug/l
RT: 10.86 min Scan# 1592
Delta R.T. 0.00 min
Lab File: VX006162.D
Acq: 22 Nov 2018 09:22

Tgt Ion	Ratio	Resp	Lower	Upper
173	100	135104		
175	48.7		24.9	74.6
254	0.3		0.2	0.2#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX006162.D

Acq: 22 Nov 2018 09:22

Instrument :

MSVOA_X

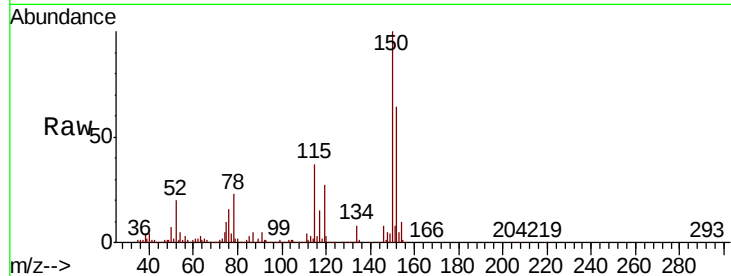
ClientSampleId :

DTW-03MSD

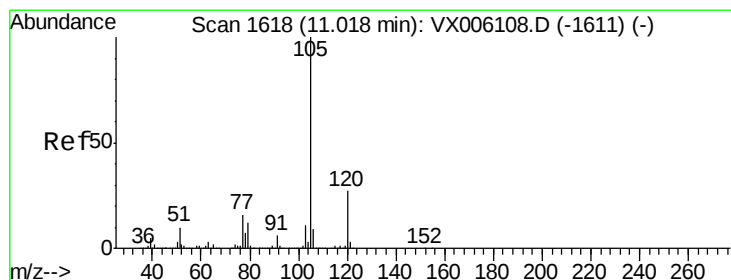
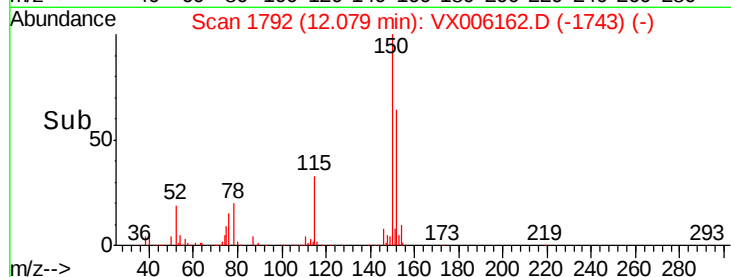
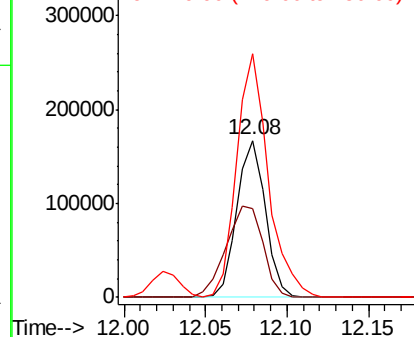
Tot Ion:	152	Resp:	202081
Ion Ratio	Lower	Upper	
152	100		
115	76.0	39.0	116.9
150	172.3	0.0	346.6

Manual Integrations
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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: 51.878 ug/l

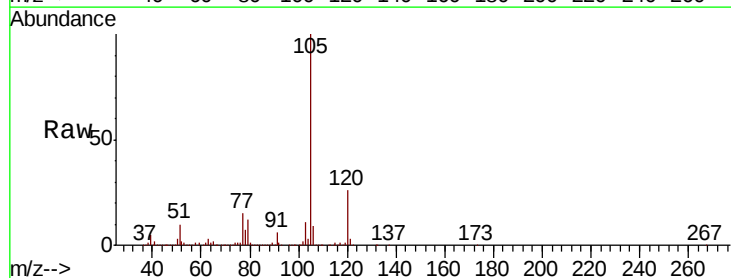
RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

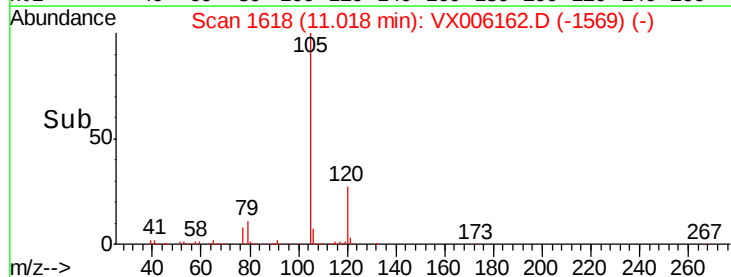
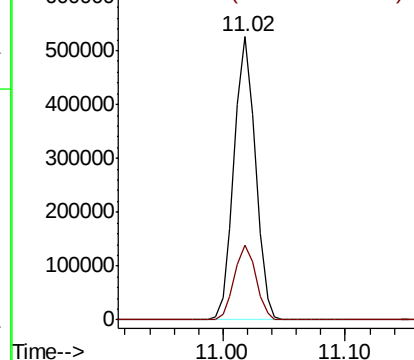
Lab File: VX006162.D

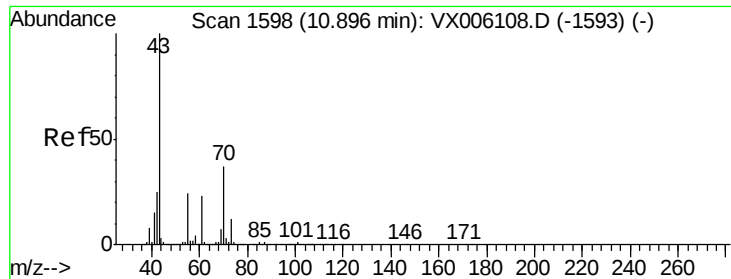
Acq: 22 Nov 2018 09:22

Tgt Ion:	105	Resp:	634307
Ion Ratio	Lower	Upper	
105	100		
120	26.8	13.3	39.8



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 56.368 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX006162.D

Acq: 22 Nov 2018 09:22

Instrument :

MSVOA_X

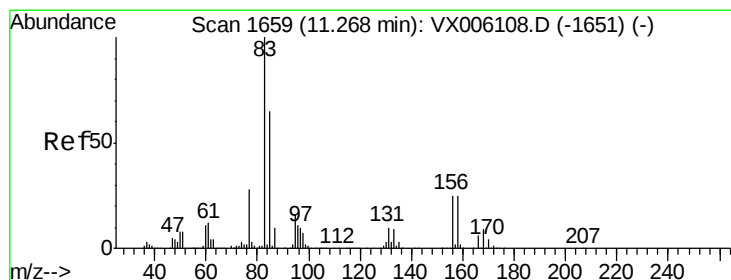
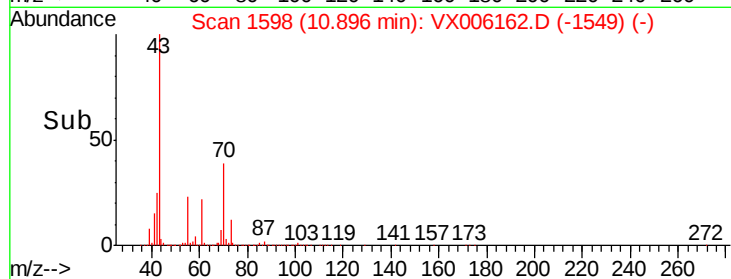
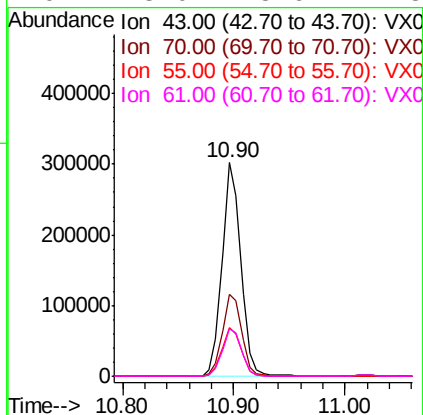
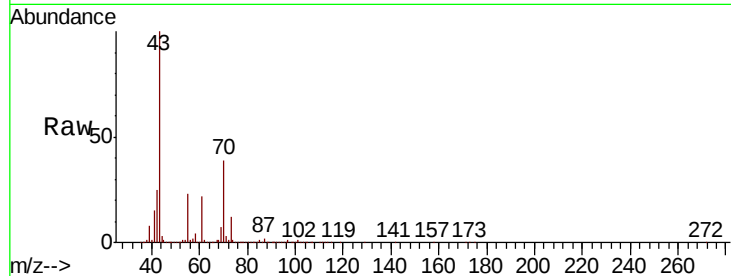
ClientSampleId :

DTW-03MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
43	100		353134		
70	39.8	31.8	47.6		
55	23.6	19.5	29.3		
61	23.0	18.6	27.8		

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11/26/2018 9:49:34 AM



#75

1,1,2,2-Tetrachloroethane

Concen: 56.748 ug/l

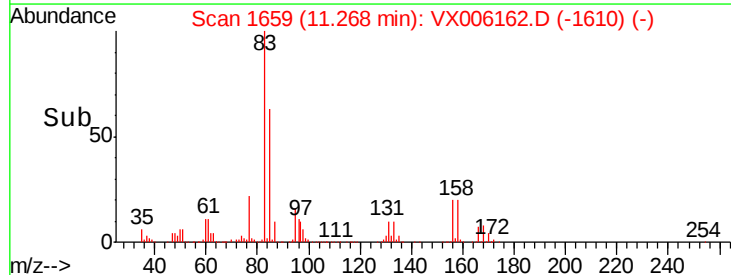
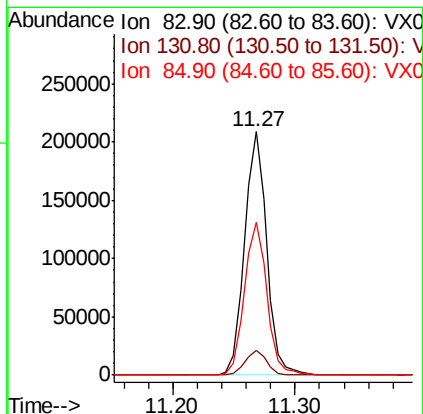
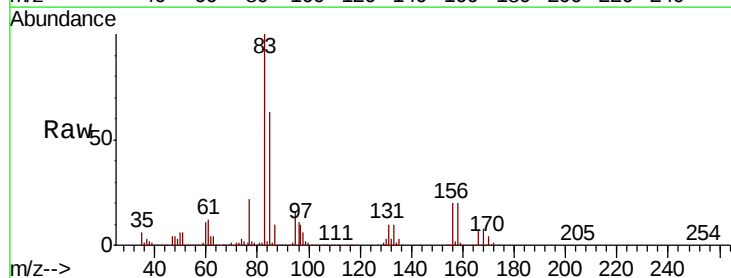
RT: 11.27 min Scan# 1659

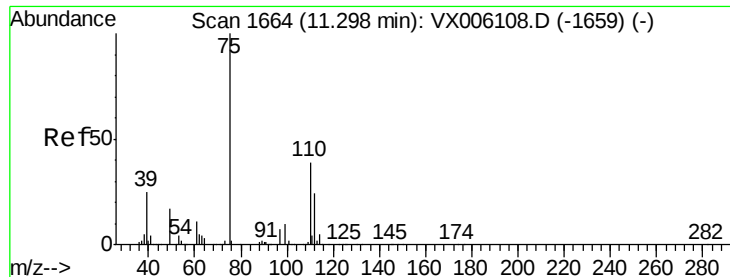
Delta R.T. 0.00 min

Lab File: VX006162.D

Acq: 22 Nov 2018 09:22

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
83	100		261488		
131	10.0	5.2	15.6		
85	64.1	32.6	97.8		





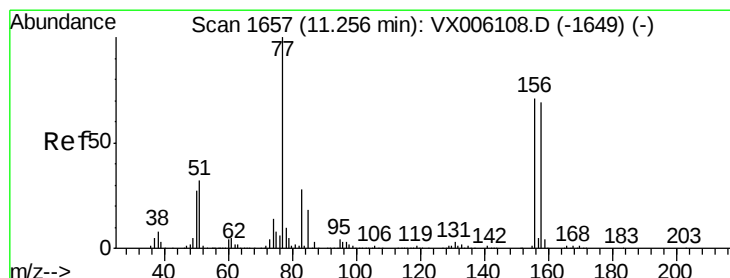
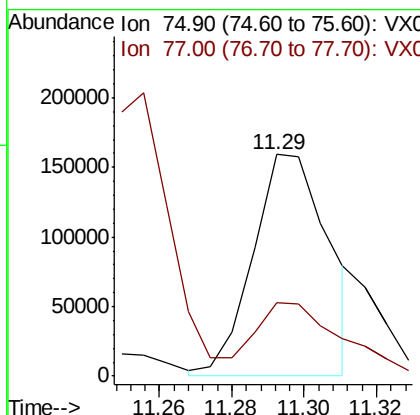
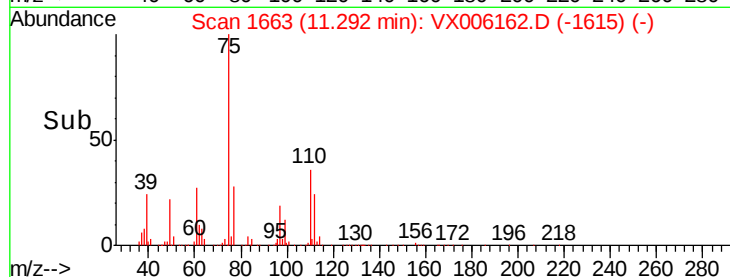
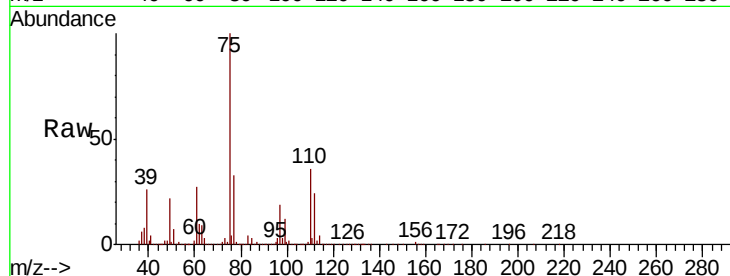
#76
 1,2,3-Trichloropropane
 Concen: 56.138 ug/l m
 RT: 11.29 min Scan# 1663
 Delta R.T. -0.01 min
 Lab File: VX006162.D
 Acq: 22 Nov 2018 09:22

Instrument :
 MSVOA_X
 ClientSampleId :
 DTW-03MSD

Tot Ion: 75 Resp: 233559
 Ion Ratio Lower Upper
 75 100
 77 36.9 19.6 58.7

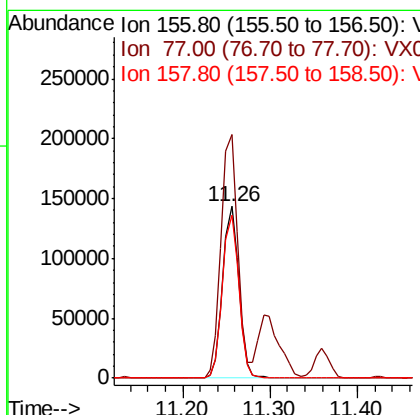
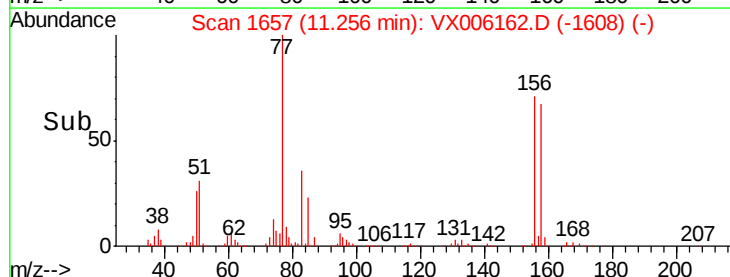
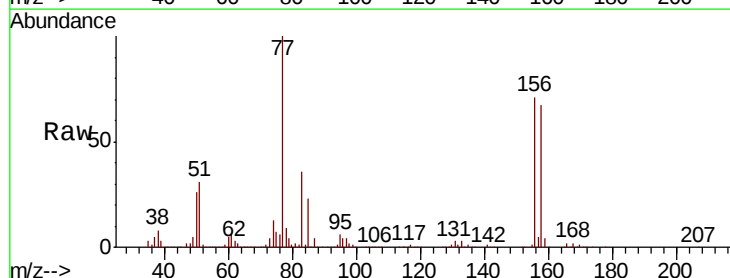
Manual Integrations
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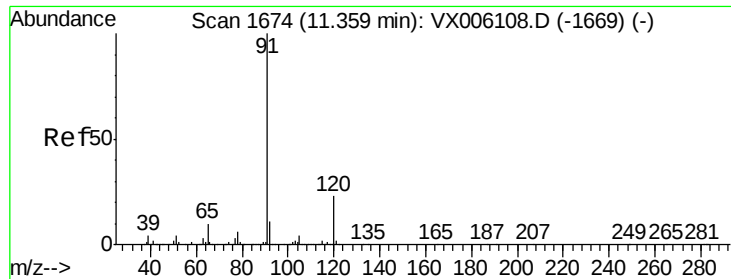
MMDadoda
 11/26/2018 9:49:34 AM



#77
 Bromobenzene
 Concen: 53.411 ug/l
 RT: 11.26 min Scan# 1657
 Delta R.T. 0.00 min
 Lab File: VX006162.D
 Acq: 22 Nov 2018 09:22

Tgt Ion: 156 Resp: 182944
 Ion Ratio Lower Upper
 156 100
 77 147.7 74.3 222.8
 158 96.5 49.0 147.0





#78

n-propylbenzene

Concen: 51.386 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX006162.D

Acq: 22 Nov 2018 09:22

Instrument :

MSVOA_X

ClientSampleId :

DTW-03MSD

Tot Ion: 91 Resp: 731701

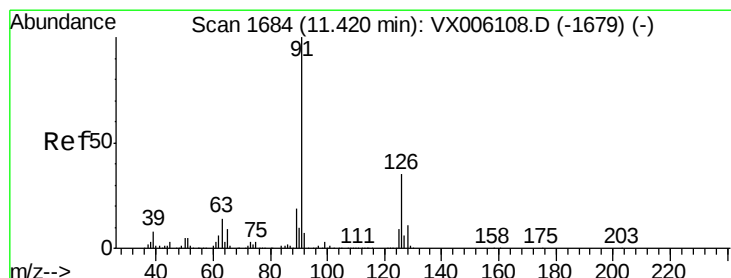
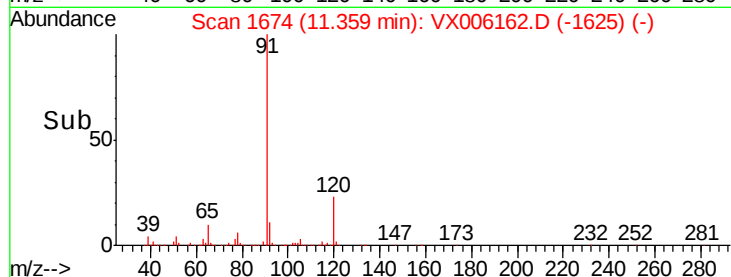
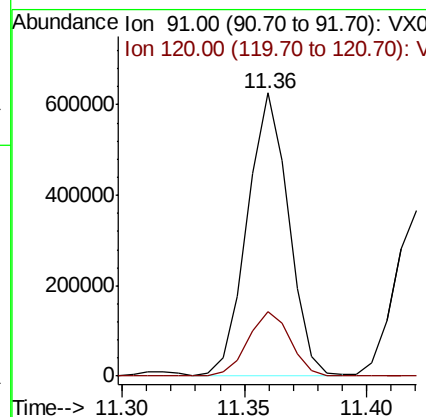
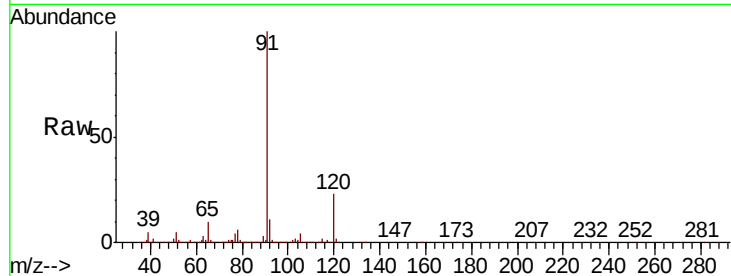
Ion Ratio Lower Upper

91 100

120 23.5 11.8 35.3

Manual Integrations
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#79

2-Chlorotoluene

Concen: 51.751 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX006162.D

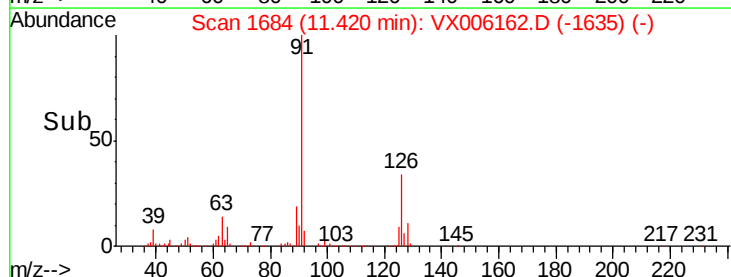
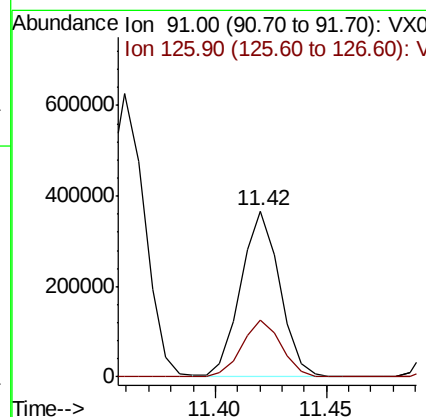
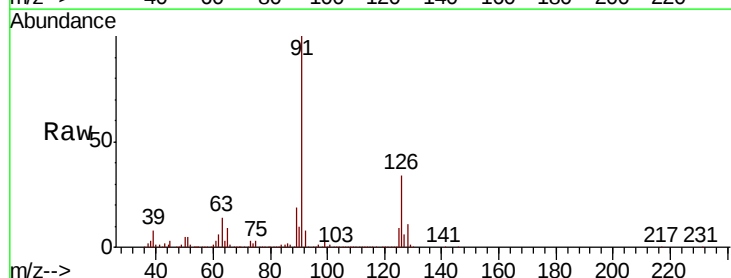
Acq: 22 Nov 2018 09:22

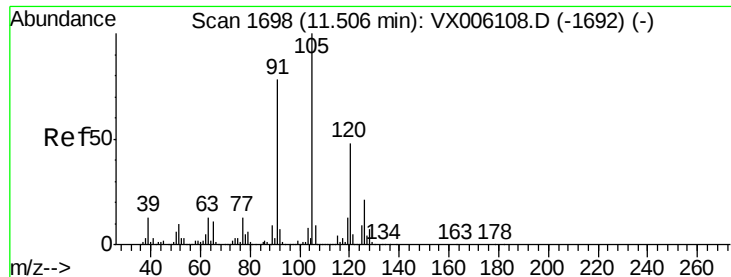
Tgt Ion: 91 Resp: 445810

Ion Ratio Lower Upper

91 100

126 34.7 17.6 52.9





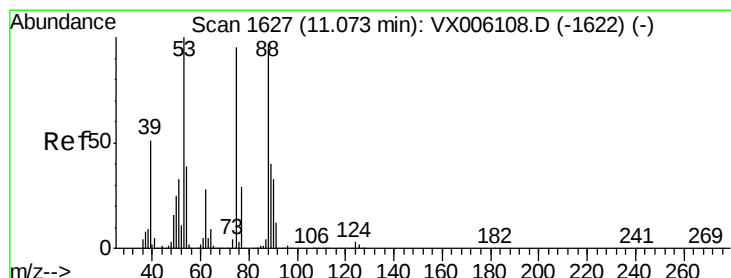
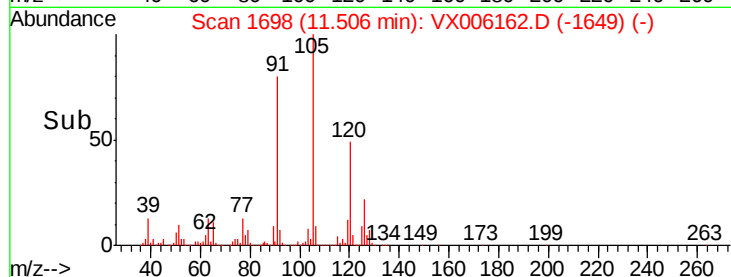
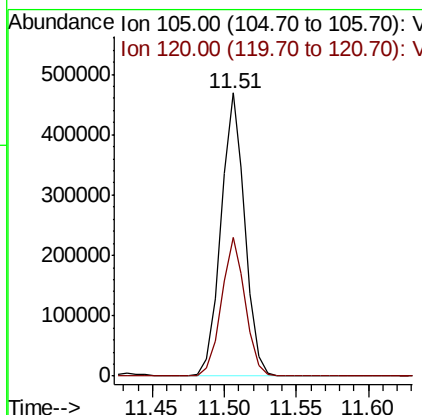
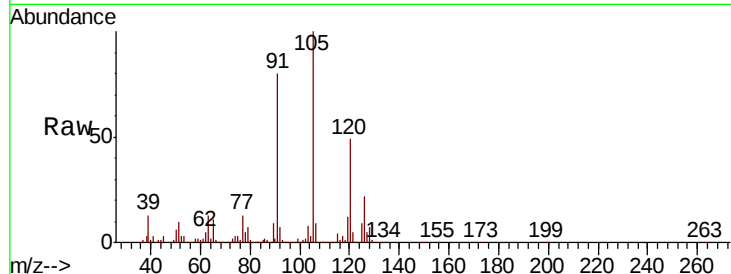
#80
 1,3,5-Trimethylbenzene
 Concen: 52.741 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VX006162.D
 Acq: 22 Nov 2018 09:22

Instrument :
 MSVOA_X
 ClientSampleId :
 DTW-03MSD

Tot Ion	Ratio	Lower	Upper
105	100		
120	48.8	24.3	73.0

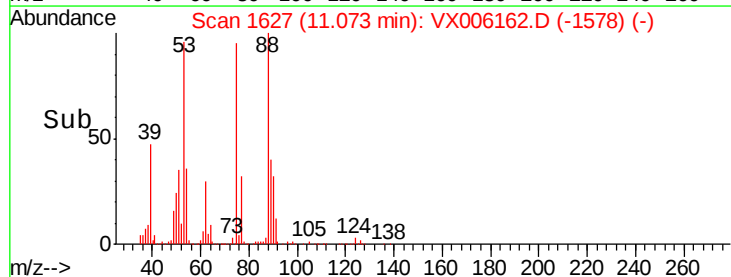
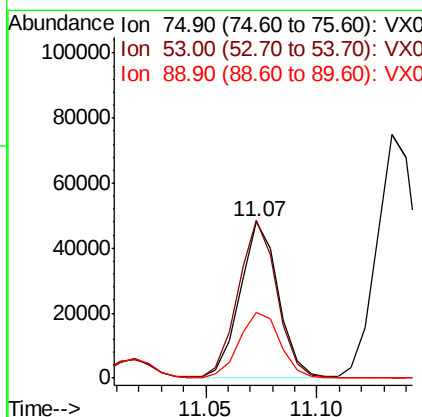
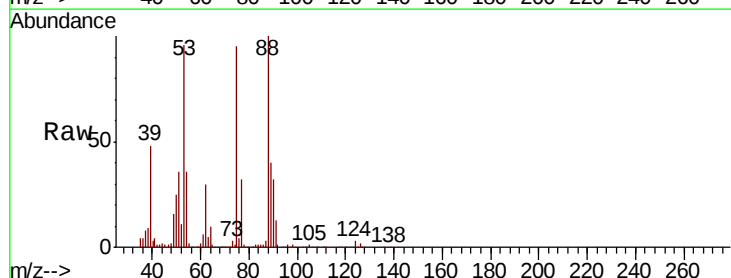
Manual Integrations
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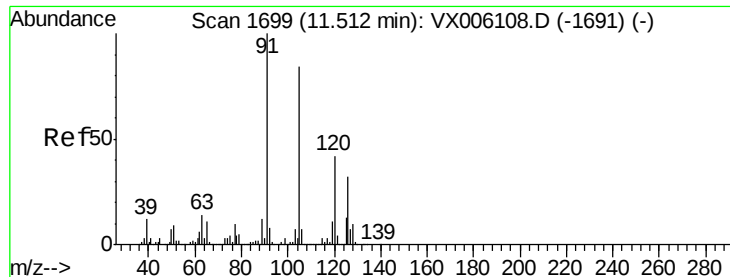
MMDadoda
 11/26/2018 9:49:34 AM



#81
 trans-1,4-Dichloro-2-butene
 Concen: 47.086 ug/l
 RT: 11.07 min Scan# 1627
 Delta R.T. 0.00 min
 Lab File: VX006162.D
 Acq: 22 Nov 2018 09:22

Tgt Ion	Ratio	Lower	Upper
75	100		
53	100.9	85.3	127.9
89	44.9	37.2	55.8





#82

4-Chlorotoluene

Concen: 52.425 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VX006162.D

Acq: 22 Nov 2018 09:22

Instrument :

MSVOA_X

ClientSampleId :

DTW-03MSD

Tot Ion: 91 Resp: 527045

Ion Ratio Lower Upper

91 100

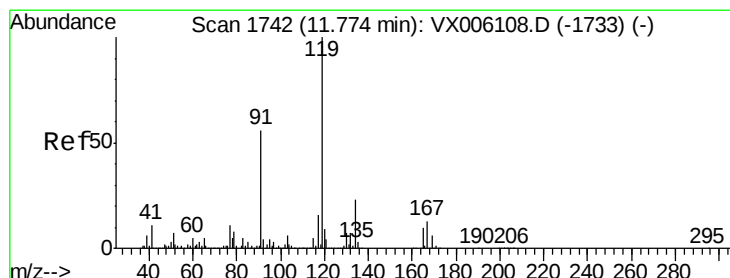
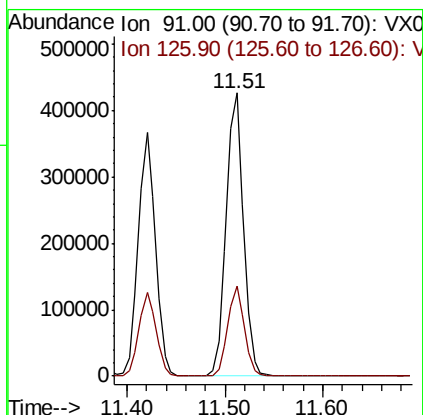
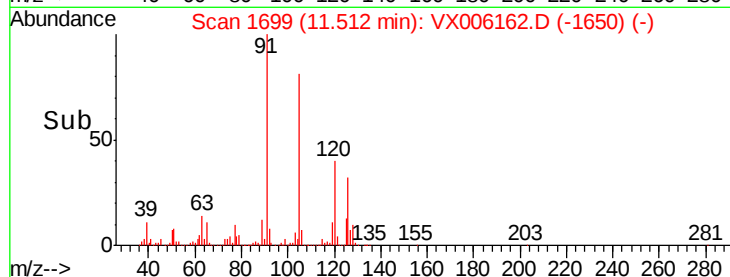
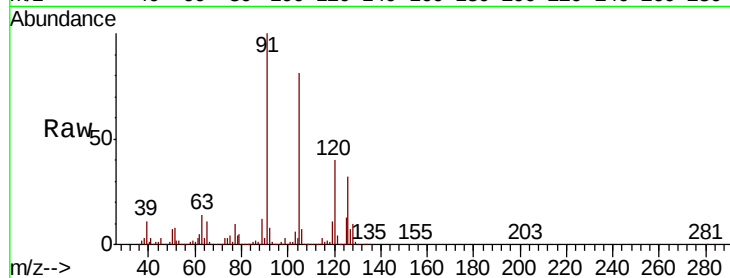
126 30.7 15.3 45.9

Manual Integrations

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#83

tert-Butylbenzene

Concen: 54.447 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. -0.01 min

Lab File: VX006162.D

Acq: 22 Nov 2018 09:22

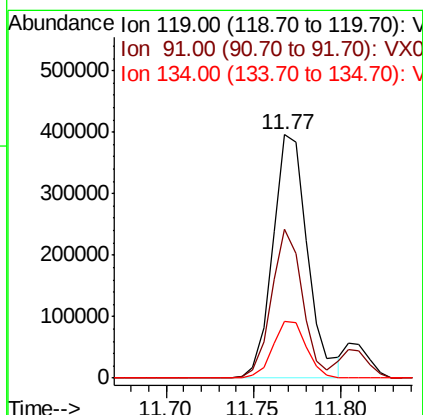
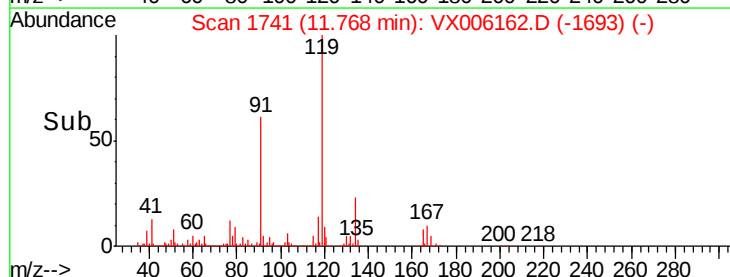
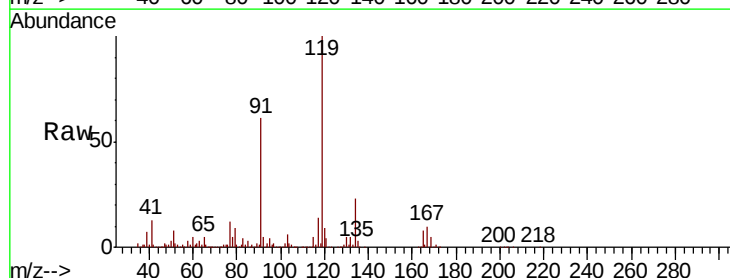
Tgt Ion: 119 Resp: 547955

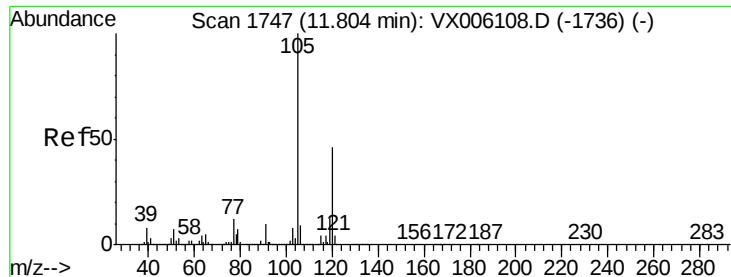
Ion Ratio Lower Upper

119 100

91 54.3 28.2 84.6

134 22.5 11.5 34.4





#84

1,2,4-Trimethylbenzene

Concen: 55.090 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. 0.00 min

Lab File: VX006162.D

Acq: 22 Nov 2018 09:22

Instrument :

MSVOA_X

ClientSampleId :

DTW-03MSD

Tot Ion:105 Resp: 579296

Ion Ratio Lower Upper

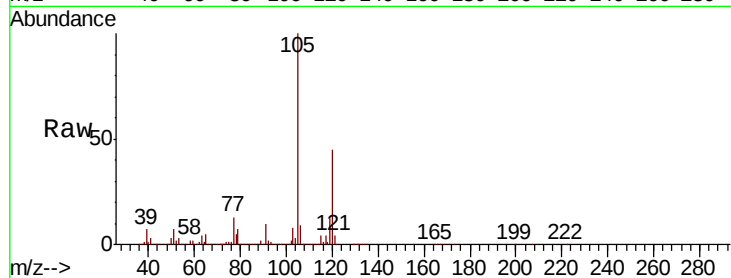
105 100

120 45.0 22.7 68.0

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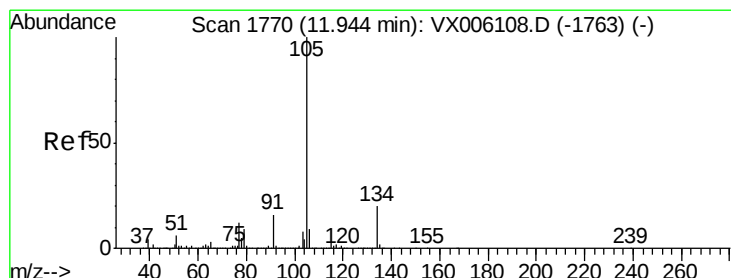
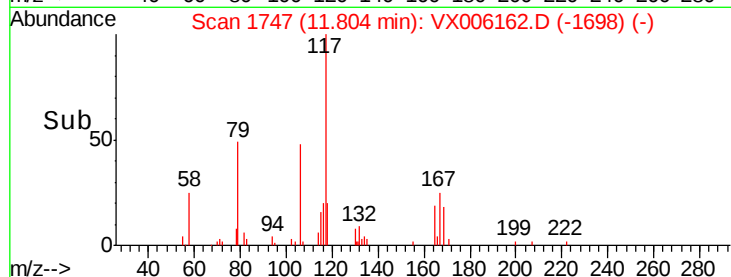
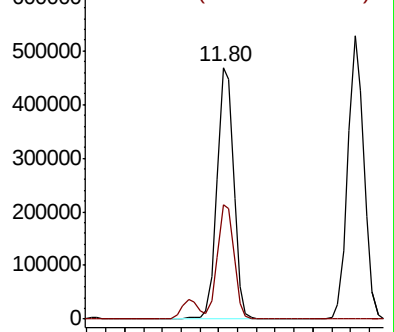
MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#85

sec-Butylbenzene

Concen: 50.988 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX006162.D

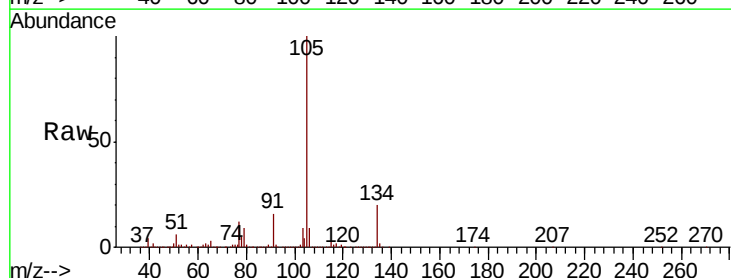
Acq: 22 Nov 2018 09:22

Tgt Ion:105 Resp: 627659

Ion Ratio Lower Upper

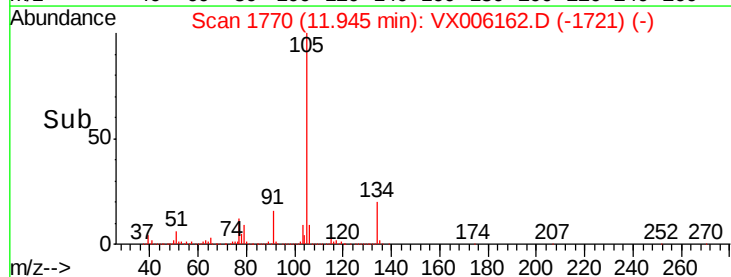
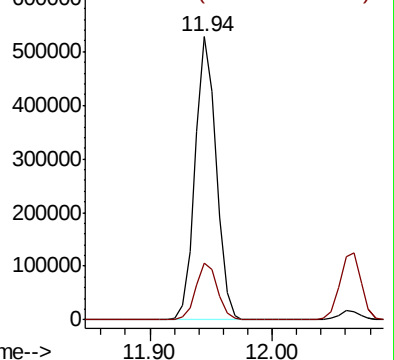
105 100

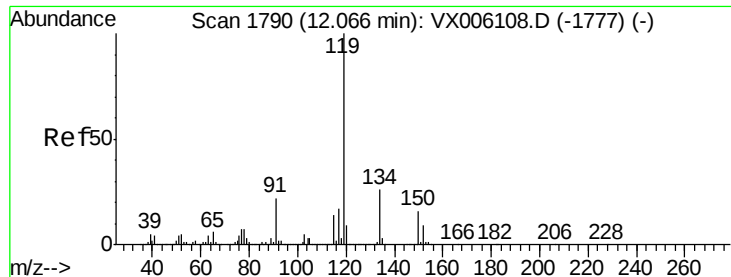
134 20.5 10.4 31.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V





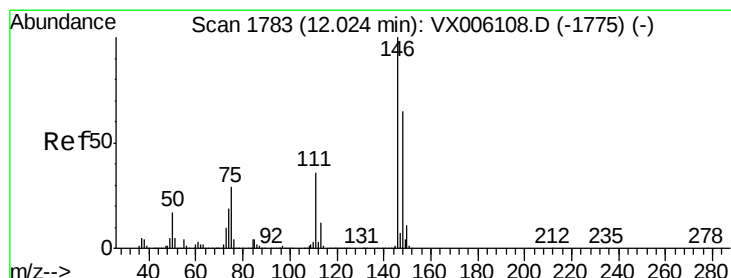
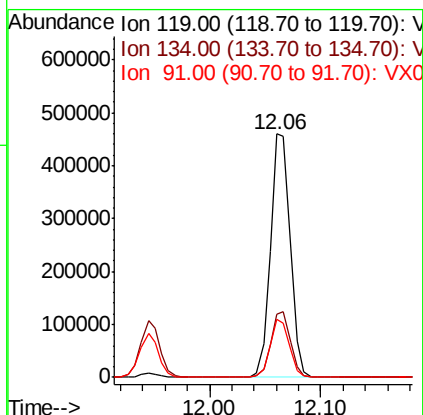
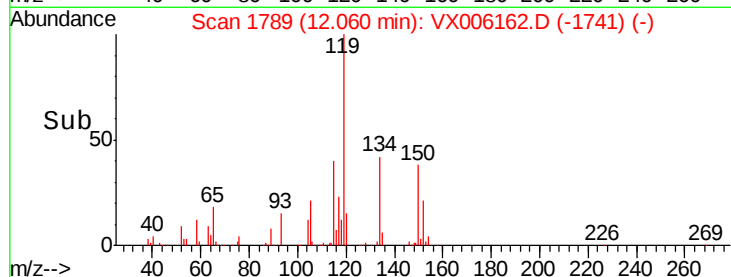
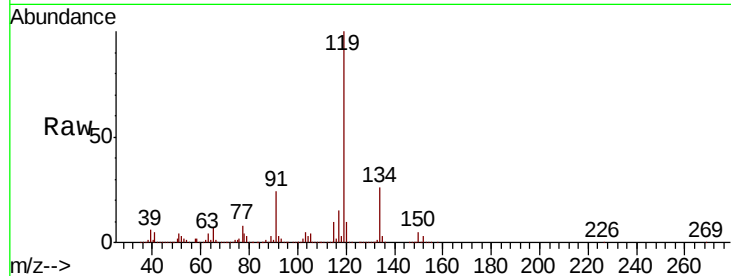
#86
p-Isopropyltoluene
Concen: 51.785 ug/l
RT: 12.06 min Scan# 1789
Delta R.T. -0.01 min
Lab File: VX006162.D
Acq: 22 Nov 2018 09:22

Instrument :
MSVOA_X
ClientSampleId :
DTW-03MSD

Tot Ion	Ratio	Lower	Upper
119	100		
134	26.6	13.1	39.3
91	23.1	11.3	33.9

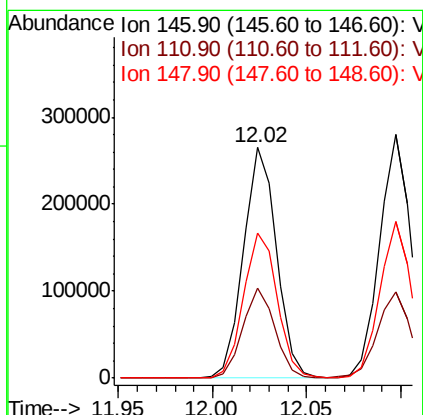
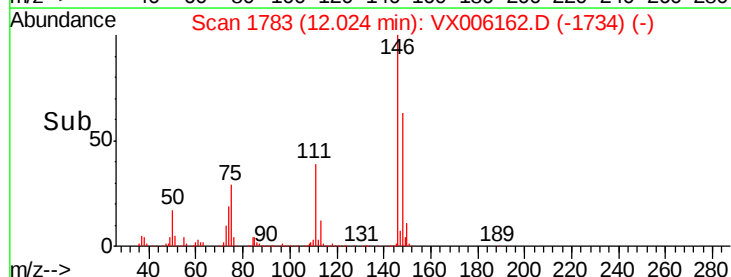
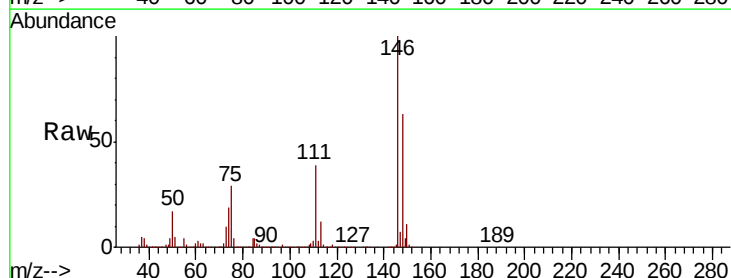
Manual Integrations
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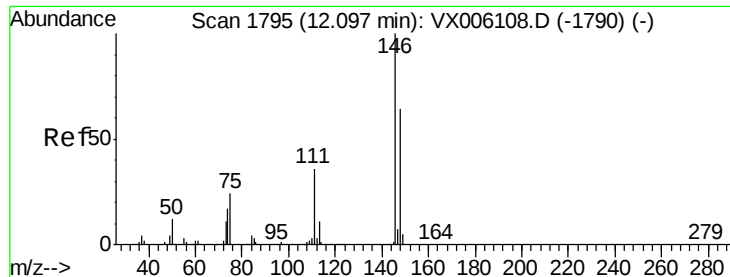
MMDadoda
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#87
1,3-Dichlorobenzene
Concen: 51.215 ug/l
RT: 12.02 min Scan# 1783
Delta R.T. 0.00 min
Lab File: VX006162.D
Acq: 22 Nov 2018 09:22

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.0	18.8	56.3
148	64.0	32.2	96.6





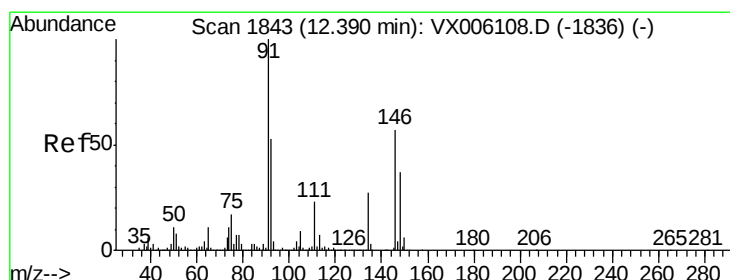
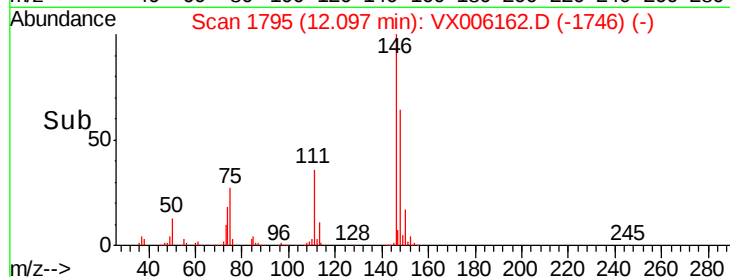
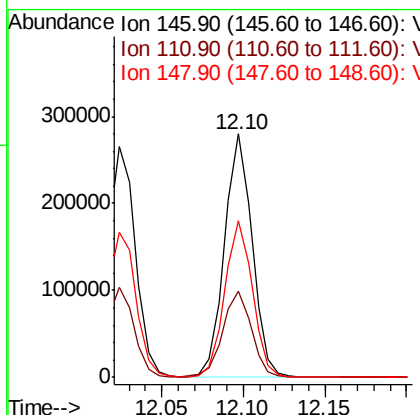
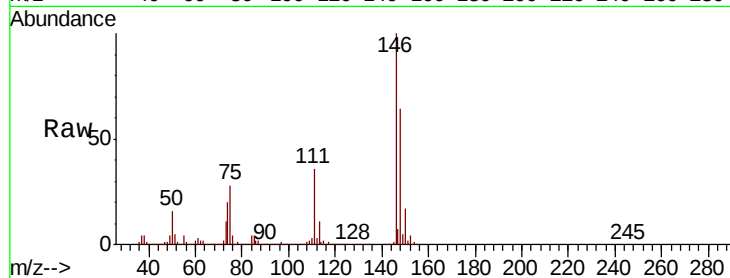
#88
 1,4-Dichlorobenzene
 Concen: 50.380 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX006162.D
 Acq: 22 Nov 2018 09:22

Instrument :
 MSVOA_X
 ClientSampleId :
 DTW-03MSD

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.8	18.3	54.9
148	64.5	32.2	96.6

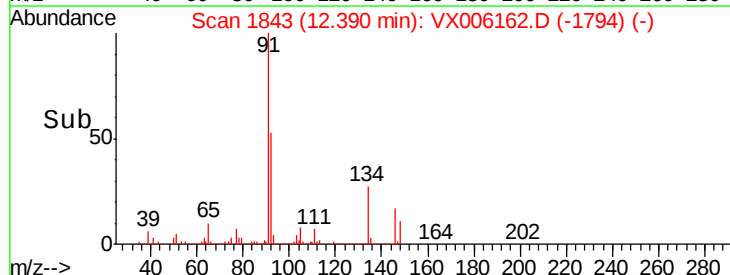
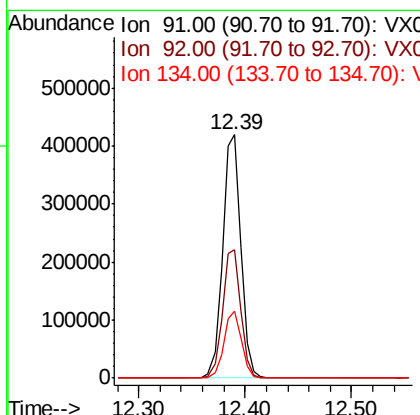
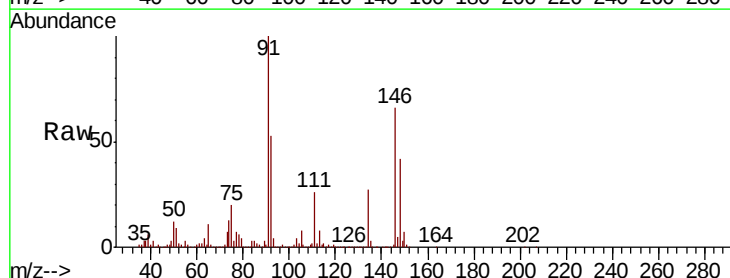
Manual Integrations
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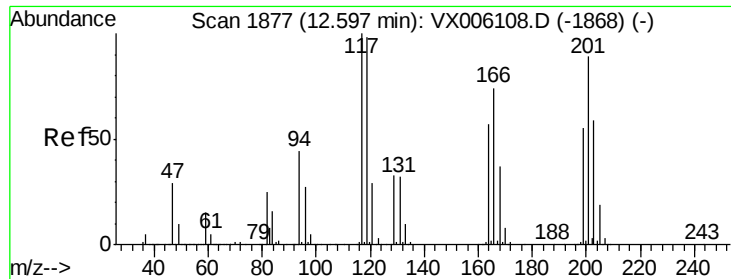
MMDadoda
 11/26/2018 9:49:34 AM



#89
 n-Butylbenzene
 Concen: 50.148 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX006162.D
 Acq: 22 Nov 2018 09:22

Tgt Ion	Ratio	Lower	Upper
91	100		
92	52.8	26.6	79.7
134	26.6	13.1	39.3





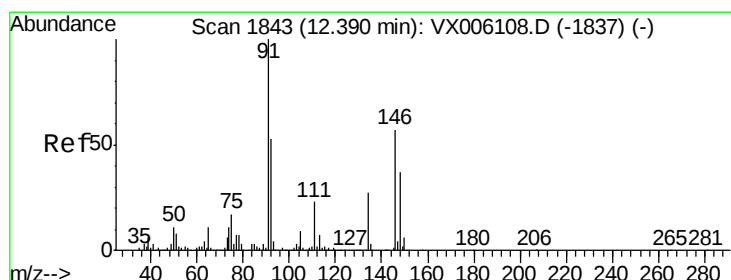
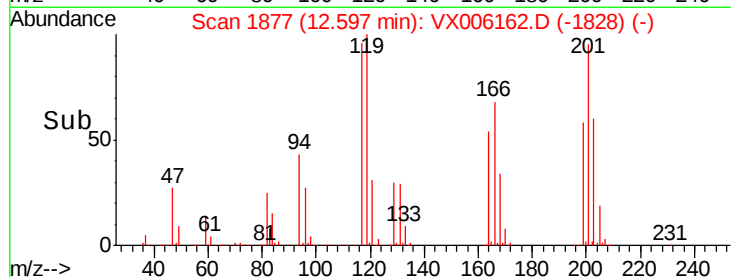
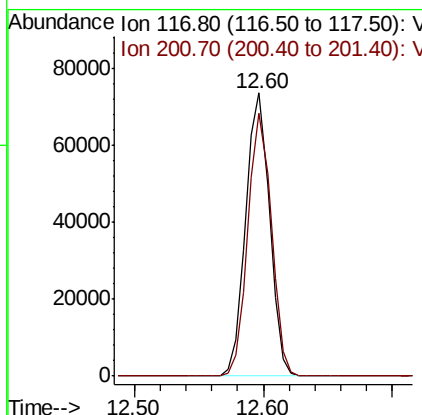
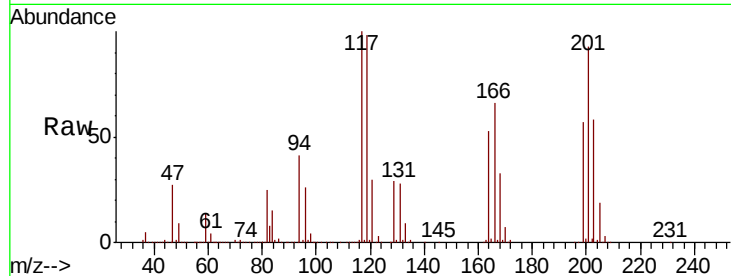
#90
Hexachloroethane
Concen: 53.592 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX006162.D
Acq: 22 Nov 2018 09:22

Instrument :
MSVOA_X
ClientSampleId :
DTW-03MSD

Tot Ion:117 Resp: 93863
Ion Ratio Lower Upper
117 100
201 91.3 46.1 138.2

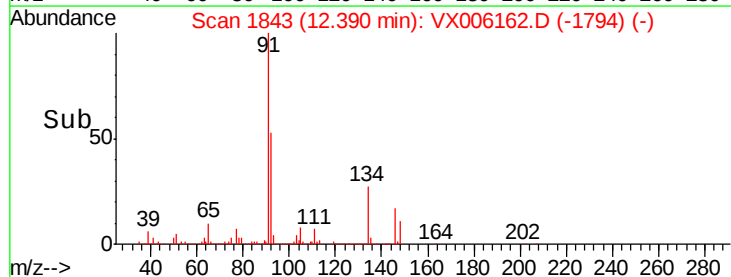
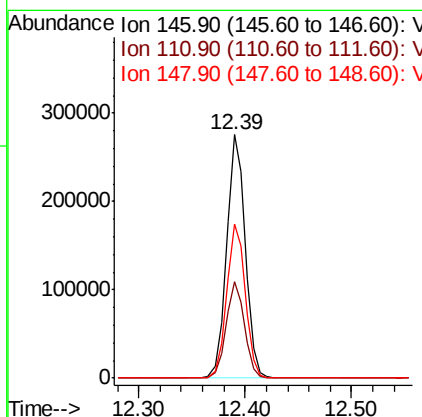
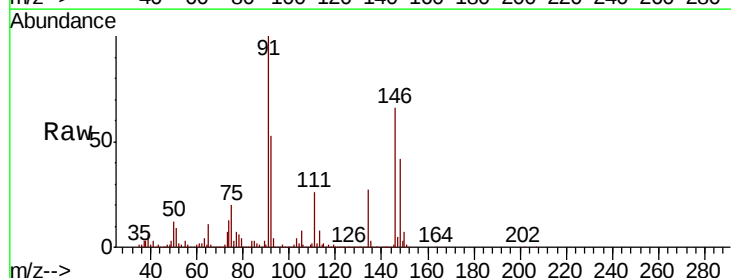
Manual Integrations
APPROVED

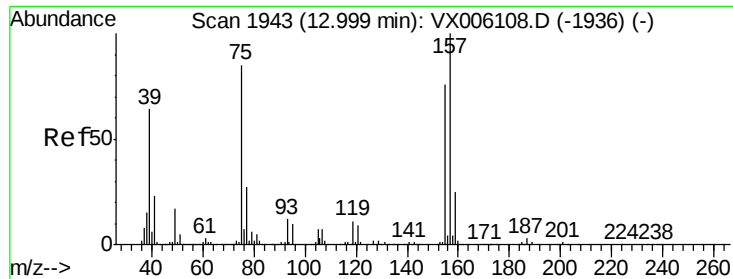
MMDadoda
11/26/2018 9:49:34 AM



#91
1,2-Dichlorobenzene
Concen: 52.083 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.00 min
Lab File: VX006162.D
Acq: 22 Nov 2018 09:22

Tgt Ion:146 Resp: 336284
Ion Ratio Lower Upper
146 100
111 39.2 19.6 58.8
148 63.7 32.0 96.0





#92

1,2-Dibromo-3-Chloropropane

Concen: 59.034 ug/l

RT: 13.00 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VX006162.D

Acq: 22 Nov 2018 09:22

Instrument :

MSVOA_X

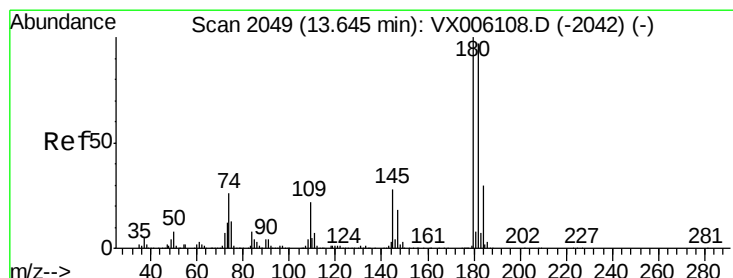
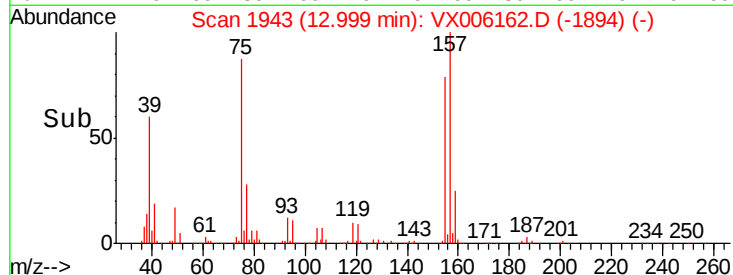
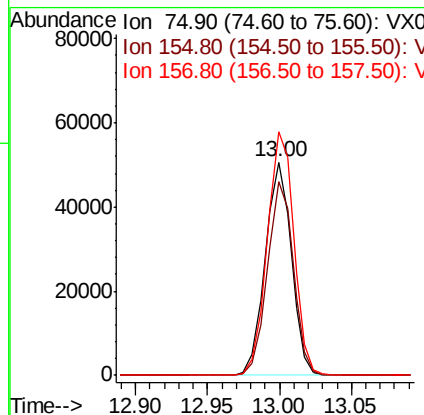
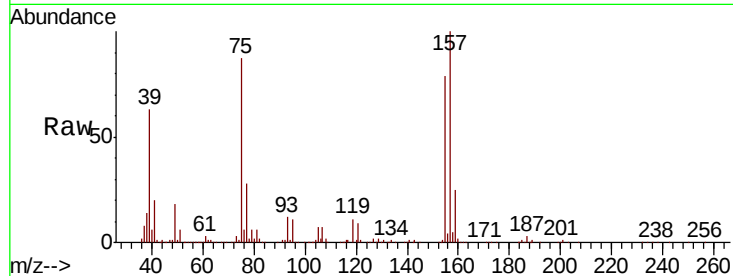
ClientSampleId :

DTW-03MSD

Tot Ion:	75	Resp:	63120
Ion	Ratio	Lower	Upper
75	100		
155	91.0	46.1	138.3
157	116.8	59.8	179.3

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#93

1,2,4-Trichlorobenzene

Concen: 54.964 ug/l

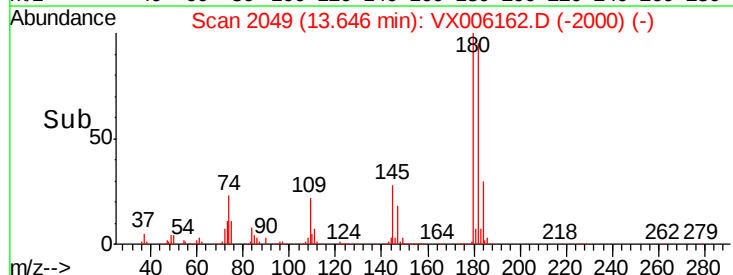
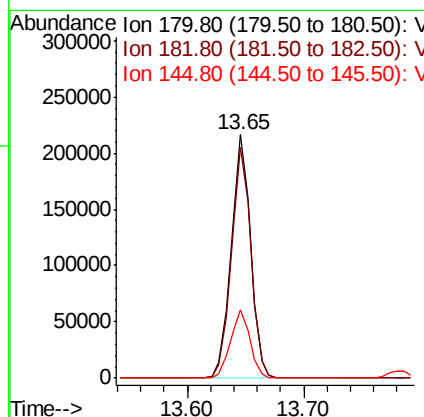
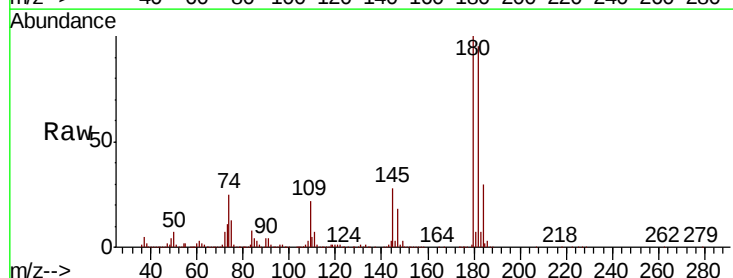
RT: 13.65 min Scan# 2049

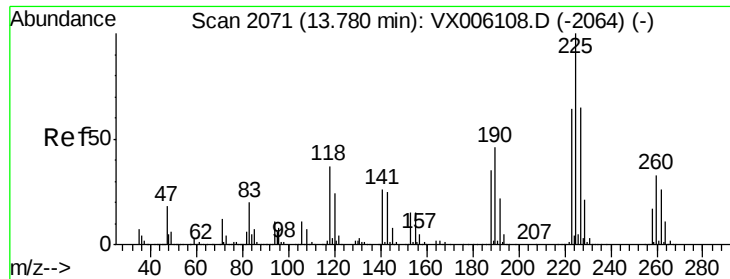
Delta R.T. 0.00 min

Lab File: VX006162.D

Acq: 22 Nov 2018 09:22

Tgt Ion:	180	Resp:	250004
Ion	Ratio	Lower	Upper
180	100		
182	95.3	48.2	144.6
145	28.2	14.1	42.2





#94

Hexachlorobutadiene

Concen: 47.791 ug/l

RT: 13.78 min Scan# 2071

Delta R.T. 0.00 min

Lab File: VX006162.D

Acq: 22 Nov 2018 09:22

Instrument :

MSVOA_X

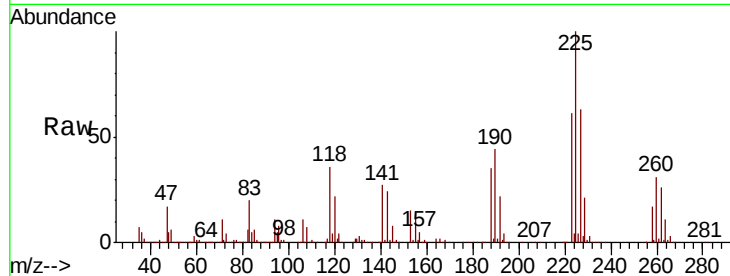
ClientSampleId :

DTW-03MSD

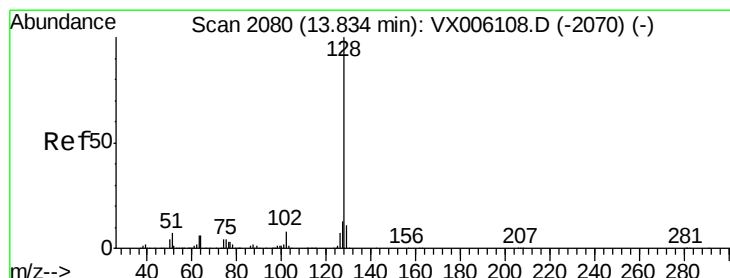
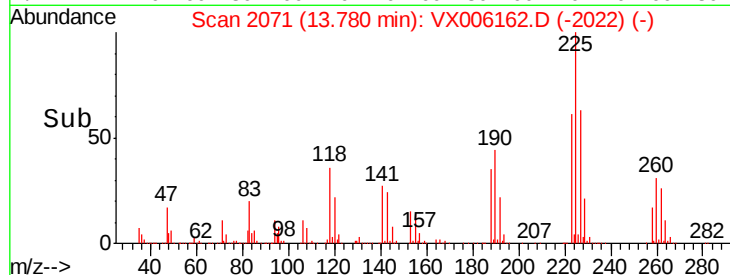
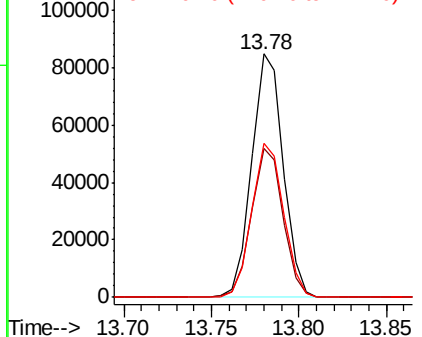
Tot Ion:	225	Resp:	105941
Ion Ratio	Lower	Upper	
225	100		
223	61.4	31.2	93.6
227	63.9	32.4	97.2

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Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 91.878 ug/l

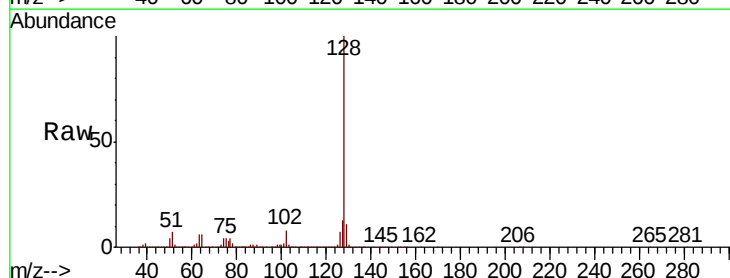
RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

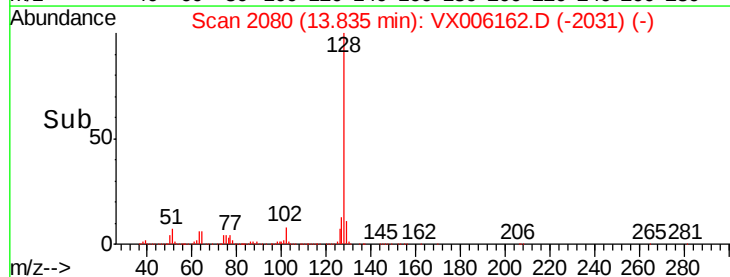
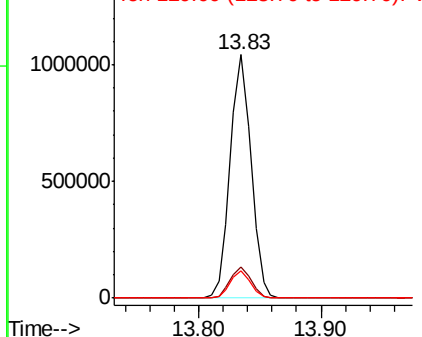
Lab File: VX006162.D

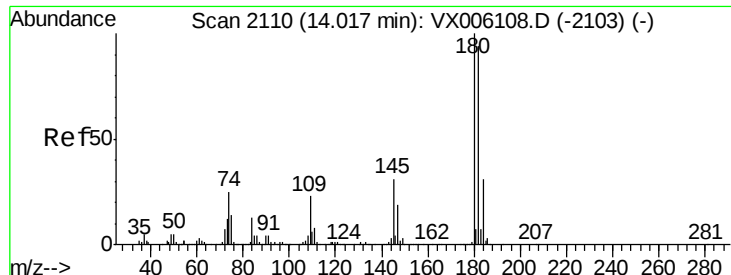
Acq: 22 Nov 2018 09:22

Tgt Ion:	128	Resp:	1228866
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.6	15.8
129	11.1	8.8	13.2



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





#96
 1,2,3-Trichlorobenzene
 Concen: 55.643 ug/l
 RT: 14.02 min Scan# 2110
 Delta R.T. 0.00 min
 Lab File: VX006162.D
 Acq: 22 Nov 2018 09:22

Instrument :
 MSVOA_X
 ClientSampleId :
 DTW-03MSD

Tot Ion	Ratio	Resp	Lower	Upper
180	100	258022		
182	96.1		47.5	142.5
145	29.7		15.0	45.0

Manual Integrations
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 11/26/2018 9:49:34 AM

