

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092418\
 Data File : VW005576.D
 Acq On : 24 Sep 2018 11:04
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Quant Time: Sep 24 15:50:18 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092118S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 21 09:05:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.96	168	233919	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	340232	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	306265	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	164548	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	124824	45.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.60%	
35) Dibromofluoromethane	7.89	113	106358	49.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.42%	
50) Toluene-d8	10.33	98	451252	51.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.60%	
62) 4-Bromofluorobenzene	12.63	95	159676	49.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.06%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	2.02	85	83139	59.731	ug/l	94
3) Chloromethane	2.22	50	88450	47.038	ug/l	98
4) Vinyl Chloride	2.37	62	116719	51.929	ug/l	100
5) Bromomethane	2.79	94	76310	50.238	ug/l	97
6) Chloroethane	2.93	64	73394	50.888	ug/l	99
7) Trichlorofluoromethane	3.27	101	107910	61.384	ug/l	95
8) Diethyl Ether	3.68	74	51491	44.839	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.07	101	116585	52.390	ug/l	99
10) Methyl Iodide	4.27	142	167702	49.003	ug/l	100
11) Tert butyl alcohol	5.22	59	31975	224.483	ug/l	97
12) 1,1-Dichloroethene	4.04	96	104423	49.015	ug/l	94
13) Acrolein	3.90	56	25396	268.349	ug/l	97
14) Allyl chloride	4.67	41	176565	47.489	ug/l	98
15) Acrylonitrile	5.38	53	107145	210.147	ug/l	100
16) Acetone	4.14	43	112182	259.298	ug/l	98
17) Carbon Disulfide	4.38	76	327160	49.150	ug/l	99
18) Methyl Acetate	4.68	43	53228	40.753	ug/l	100
19) Methyl tert-butyl Ether	5.43	73	155948	47.425	ug/l	99
20) Methylene Chloride	4.92	84	111273	48.025	ug/l	100
21) trans-1,2-Dichloroethene	5.43	96	114886	49.235	ug/l	100
22) Diisopropyl ether	6.32	45	343331	47.569	ug/l	100
23) Vinyl Acetate	6.26	43	949722	230.216	ug/l	99
24) 1,1-Dichloroethane	6.22	63	212340	47.617	ug/l	99
25) 2-Butanone	7.18	43	135363	202.245	ug/l	99
26) 2,2-Dichloropropane	7.17	77	159940	51.376	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	123570	48.013	ug/l	99
28) Bromochloromethane	7.52	49	76572	43.350	ug/l	96
29) Tetrahydrofuran	7.54	42	85332	204.077	ug/l	99
30) Chloroform	7.68	83	222304	48.287	ug/l	100
31) Cyclohexane	7.96	56	206618	48.362	ug/l	97
32) 1,1,1-Trichloroethane	7.88	97	208790	51.338	ug/l	99
36) 1,1-Dichloropropene	8.09	75	179948	52.540	ug/l	100
37) Ethyl Acetate	7.26	43	59996	41.626	ug/l	98
38) Carbon Tetrachloride	8.07	117	198586	54.108	ug/l	98

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 Quant Title : SW846 8260
 QLast Update : Fri Sep 21 09:05:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	219312	54.273	ug/l	99
40) Benzene	8.33	78	485473	50.027	ug/l	98
41) Methacrylonitrile	7.49	41	39403	48.042	ug/l	98
42) 1,2-Dichloroethane	8.40	62	149844	48.229	ug/l	99
43) Isopropyl Acetate	8.43	43	122966	43.393	ug/l	99
44) Trichloroethene	9.10	130	129272	52.043	ug/l	96
45) 1,2-Dichloropropane	9.37	63	116966	48.993	ug/l	100
46) Dibromomethane	9.46	93	56517	47.379	ug/l	97
47) Bromodichloromethane	9.65	83	159928	49.909	ug/l	100
48) Methyl methacrylate	9.45	41	61730	45.863	ug/l	96
49) 1,4-Dioxane	9.48	88	18615	981.534	ug/l #	96
51) 4-Methyl-2-Pentanone	10.21	43	309046	216.531	ug/l	100
52) Toluene	10.40	92	317043	52.360	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	162673	50.640	ug/l	97
54) cis-1,3-Dichloropropene	10.08	75	186698	51.872	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	80549	47.570	ug/l	98
56) Ethyl methacrylate	10.65	69	100642	48.148	ug/l	99
57) 1,3-Dichloropropane	10.94	76	140778	46.910	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	227551	240.153	ug/l	97
59) 2-Hexanone	10.98	43	218084	224.927	ug/l	100
60) Dibromochloromethane	11.13	129	102676	50.186	ug/l	99
61) 1,2-Dibromoethane	11.24	107	74661	47.292	ug/l	97
64) Tetrachloroethene	10.87	164	113625	52.273	ug/l	98
65) Chlorobenzene	11.66	112	337555	51.918	ug/l	93
66) 1,1,1,2-Tetrachloroethane	11.74	131	122616	52.400	ug/l	99
67) Ethyl Benzene	11.74	91	623385	54.017	ug/l	100
68) m/p-Xylenes	11.85	106	479889	110.066	ug/l	99
69) o-Xylene	12.18	106	220535	54.009	ug/l	99
70) Styrene	12.19	104	369053	53.706	ug/l	100
71) Bromoform	12.35	173	61500	49.513	ug/l #	99
73) Isopropylbenzene	12.48	105	644049	56.441	ug/l	100
74) N-amyl acetate	12.28	43	116275	45.000	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.72	83	88243	46.557	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	128212	91.406	ug/l #	100
77) Bromobenzene	12.76	156	138002	51.599	ug/l	96
78) n-propylbenzene	12.81	91	778765	56.370	ug/l	99
79) 2-Chlorotoluene	12.90	91	434280	54.334	ug/l	100
80) 1,3,5-Trimethylbenzene	12.95	105	557549	56.191	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	30038	48.233	ug/l	98
82) 4-Chlorotoluene	13.00	91	461375	54.633	ug/l	99
83) tert-Butylbenzene	13.21	119	494397	59.309	ug/l	97
84) 1,2,4-Trimethylbenzene	13.26	105	562198	56.147	ug/l	98
85) sec-Butylbenzene	13.39	105	692165	57.252	ug/l	100
86) p-Isopropyltoluene	13.51	119	627590	57.915	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	293601	53.687	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	285851	52.556	ug/l	100
89) n-Butylbenzene	13.83	91	593913	58.106	ug/l	99
90) Hexachloroethane	14.10	117	108199	55.089	ug/l	98
91) 1,2-Dichlorobenzene	13.88	146	254820	52.783	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	16599	45.965	ug/l	96

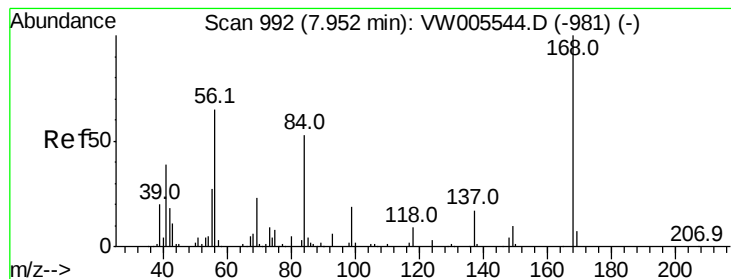
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW092418\
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Quant Title : SW846 8260
QLast Update : Fri Sep 21 09:05:42 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.15	180	187673	54.495	ug/l	100
94) Hexachlorobutadiene	15.25	225	126602	56.745	ug/l	99
95) Naphthalene	15.38	128	299832	51.760	ug/l	99
96) 1,2,3-Trichlorobenzene	15.57	180	159840	52.666	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.96 min Scan# 993

Delta R.T. 0.01 min

Lab File: VW005576.D

Acq: 24 Sep 2018 11:04

Instrument :

MSVOA_W

ClientSampleId :

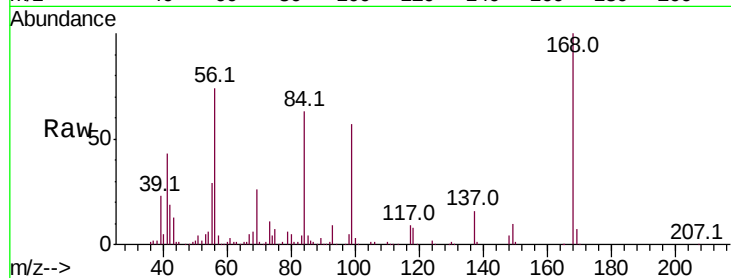
VSTDCCC050

Tot Ion:168 Resp: 233919

Ion Ratio Lower Upper

168 100

99 56.9 48.4 72.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.96

120000

100000

80000

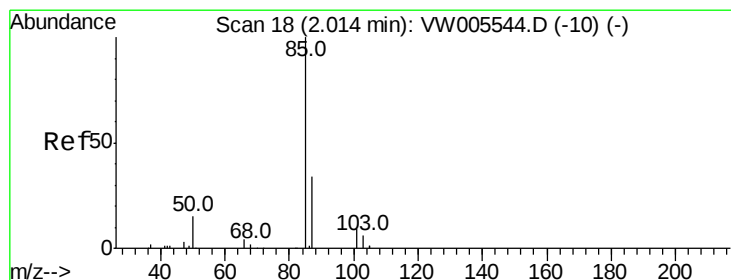
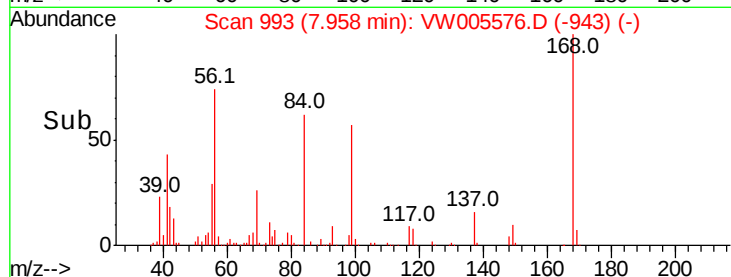
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 59.731 ug/l

RT: 2.02 min Scan# 19

Delta R.T. 0.01 min

Lab File: VW005576.D

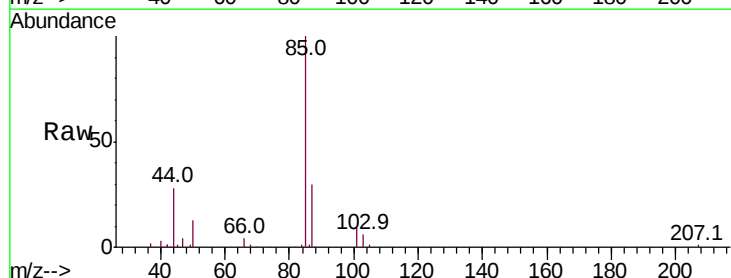
Acq: 24 Sep 2018 11:04

Tgt Ion: 85 Resp: 83139

Ion Ratio Lower Upper

85 100

87 30.4 17.0 50.9



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.02

25000

20000

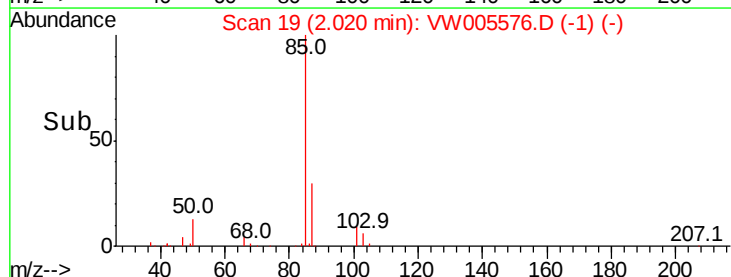
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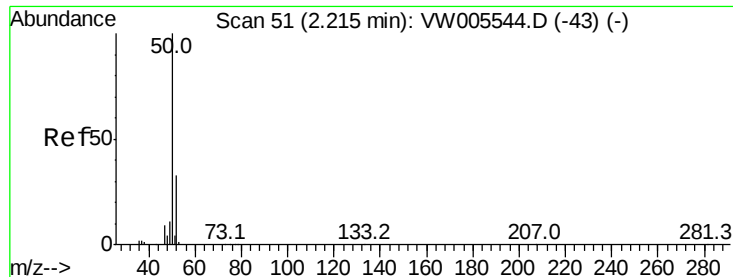
10000

5000

0

Time-->





#3

Chloromethane

Concen: 47.038 ug/l

RT: 2.22 min Scan# 52

Delta R.T. 0.01 min

Lab File: VW005576.D

Acq: 24 Sep 2018 11:04

Instrument :

MSVOA_W

ClientSampleId :

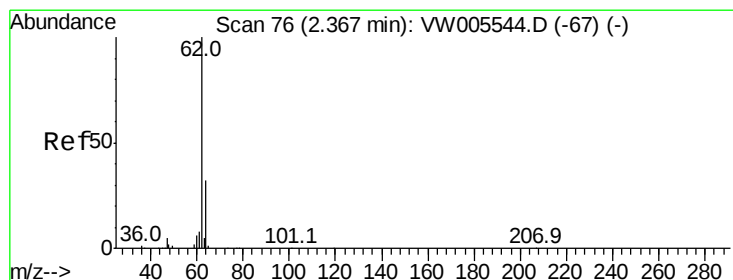
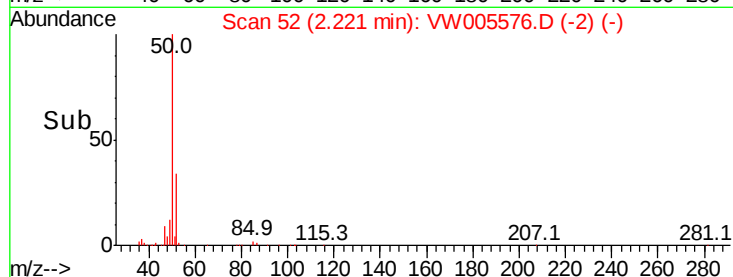
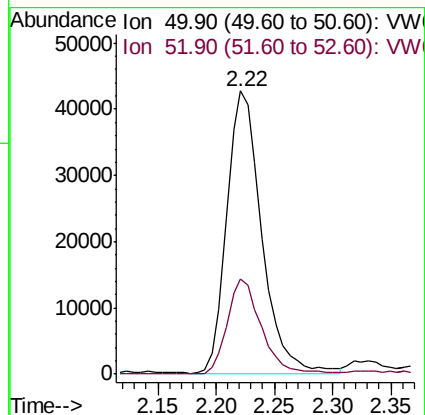
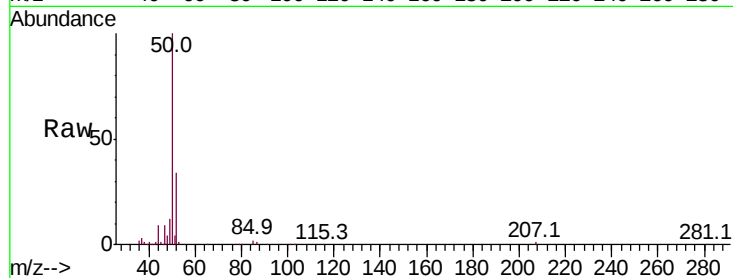
VSTDCCC050

Tot Ion: 50 Resp: 88450

Ion Ratio Lower Upper

50 100

52 33.8 26.2 39.4



#4

Vinyl Chloride

Concen: 51.929 ug/l

RT: 2.37 min Scan# 77

Delta R.T. 0.01 min

Lab File: VW005576.D

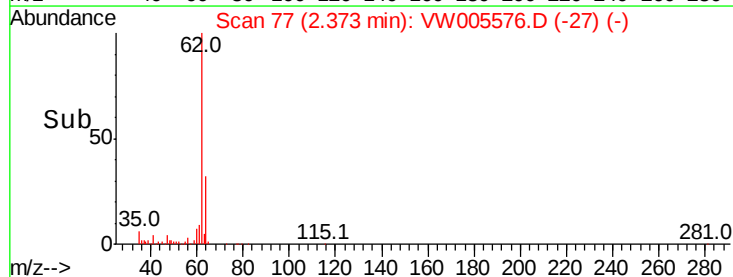
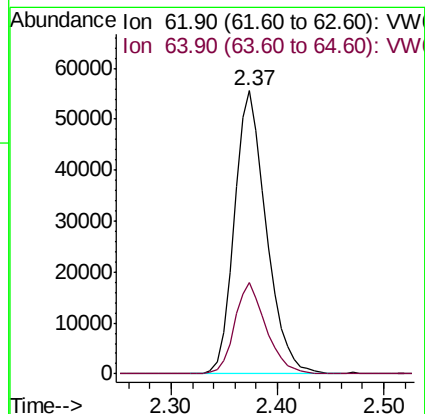
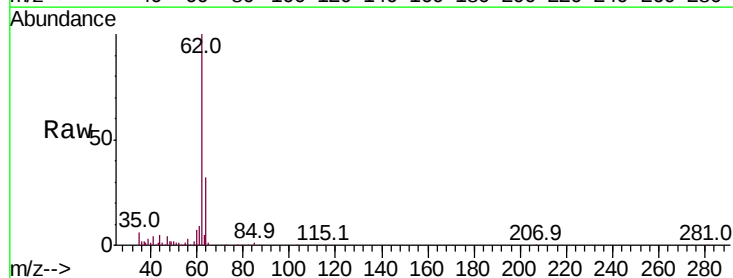
Acq: 24 Sep 2018 11:04

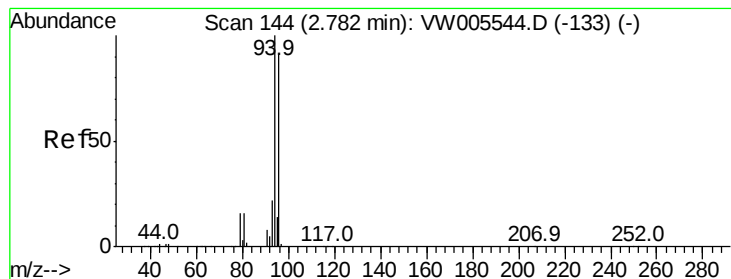
Tgt Ion: 62 Resp: 116719

Ion Ratio Lower Upper

62 100

64 32.2 25.7 38.5





#5

Bromomethane

Concen: 50.238 ug/l

RT: 2.79 min Scan# 145

Delta R.T. 0.01 min

Lab File: VW005576.D

Acq: 24 Sep 2018 11:04

Instrument :

MSVOA_W

ClientSampleId :

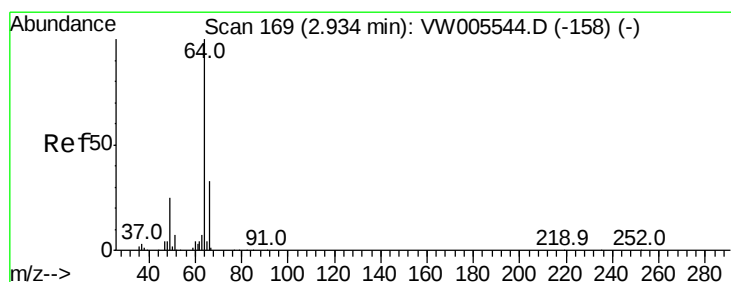
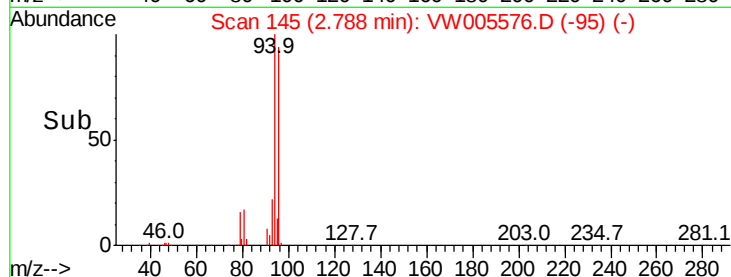
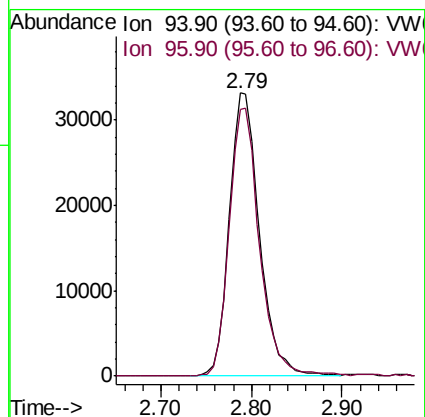
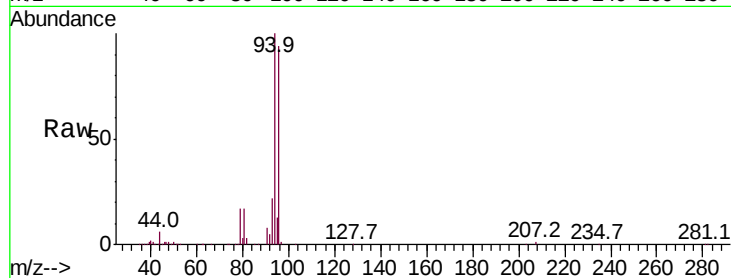
VSTDCCC050

Tot Ion: 94 Resp: 76310

Ion Ratio Lower Upper

94 100

96 94.0 73.1 109.7



#6

Chloroethane

Concen: 50.888 ug/l

RT: 2.93 min Scan# 169

Delta R.T. 0.00 min

Lab File: VW005576.D

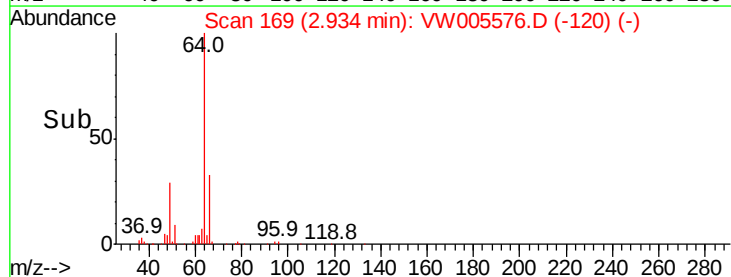
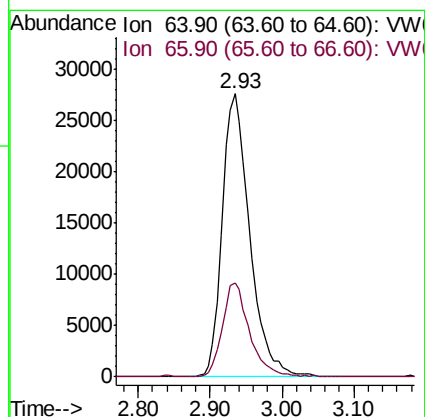
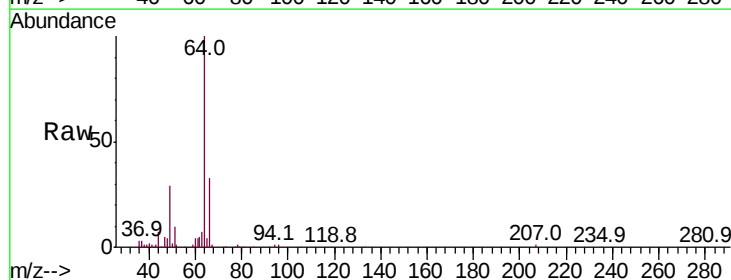
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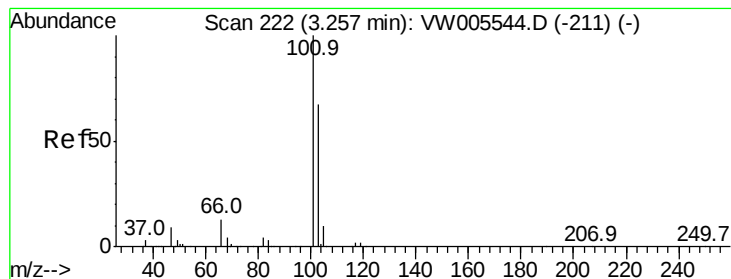
Tgt Ion: 64 Resp: 73394

Ion Ratio Lower Upper

64 100

66 33.0 26.0 39.0



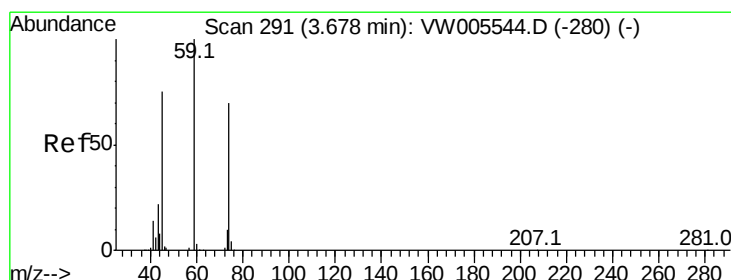
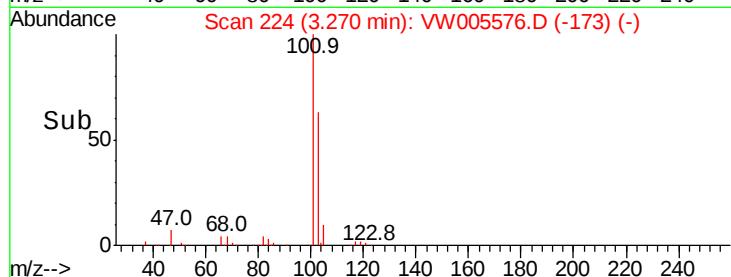
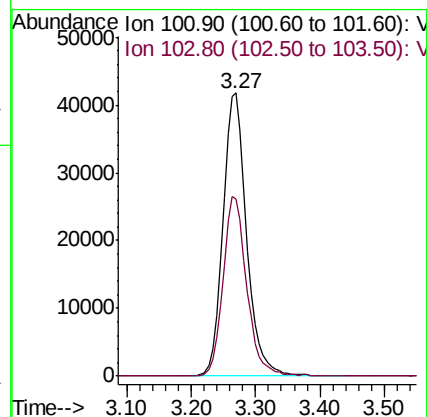
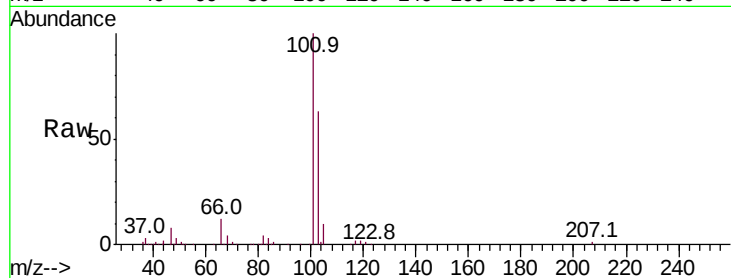


#7

Trichlorofluoromethane
Concen: 61.384 ug/l
RT: 3.27 min Scan# 224
Delta R.T. 0.01 min
Lab File: VW005576.D
Acq: 24 Sep 2018 11:04

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

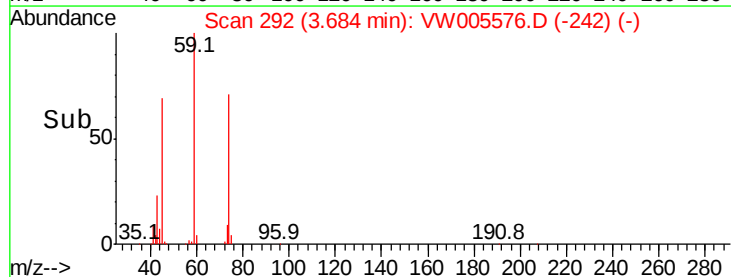
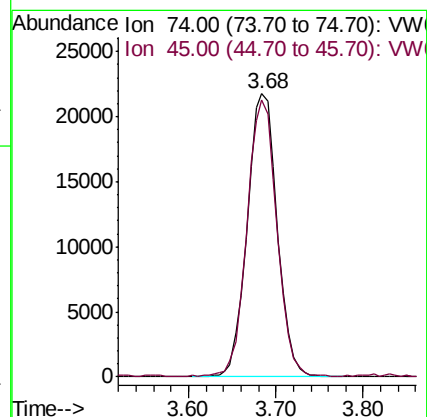
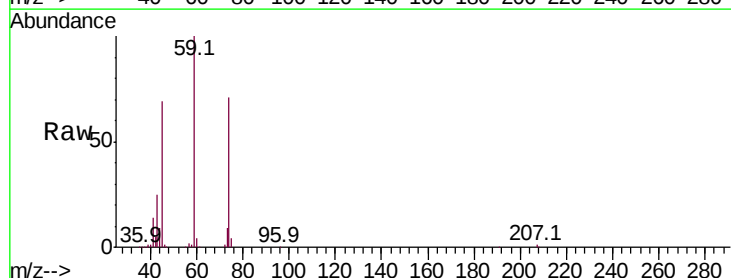
Tot Ion:101 Resp: 107910
Ion Ratio Lower Upper
101 100
103 62.7 53.2 79.8

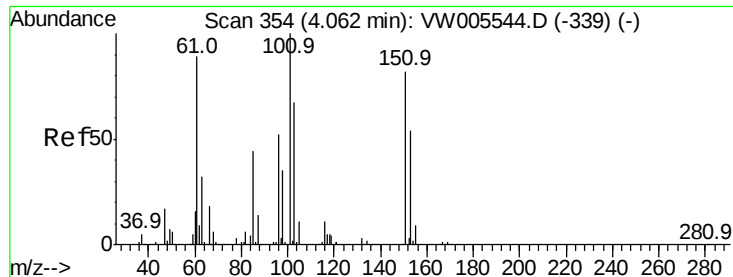


#8

Diethyl Ether
Concen: 44.839 ug/l
RT: 3.68 min Scan# 292
Delta R.T. 0.01 min
Lab File: VW005576.D
Acq: 24 Sep 2018 11:04

Tgt Ion: 74 Resp: 51491
Ion Ratio Lower Upper
74 100
45 98.2 51.7 155.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.390 ug/l

RT: 4.07 min Scan# 356

Delta R.T. 0.01 min

Lab File: VW005576.D

Acq: 24 Sep 2018 11:04

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

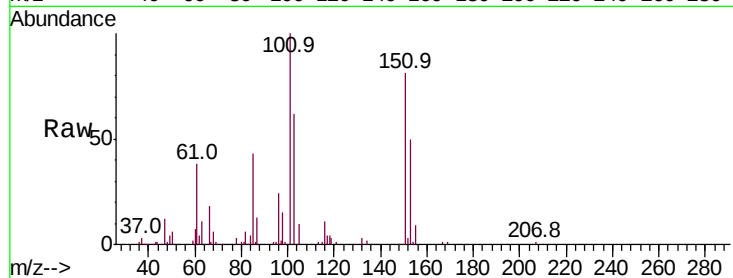
Tot Ion:101 Resp: 116585

Ion Ratio Lower Upper

101 100

85 45.3 36.4 54.6

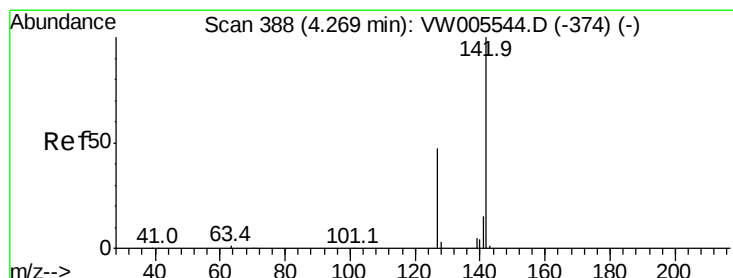
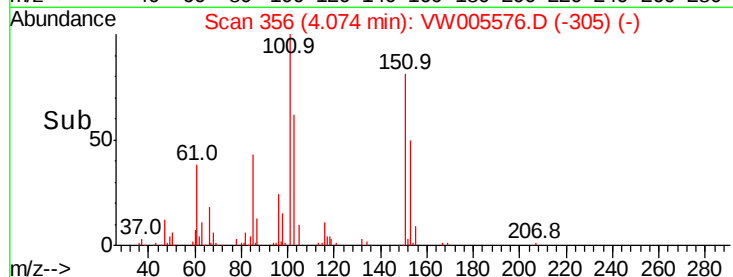
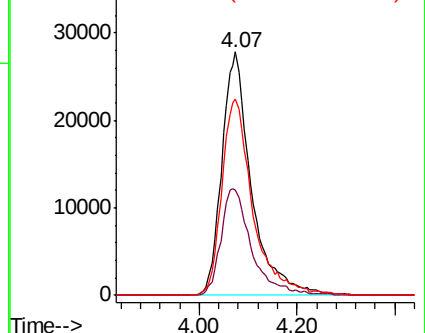
151 83.7 65.8 98.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 49.003 ug/l

RT: 4.27 min Scan# 388

Delta R.T. 0.00 min

Lab File: VW005576.D

Acq: 24 Sep 2018 11:04

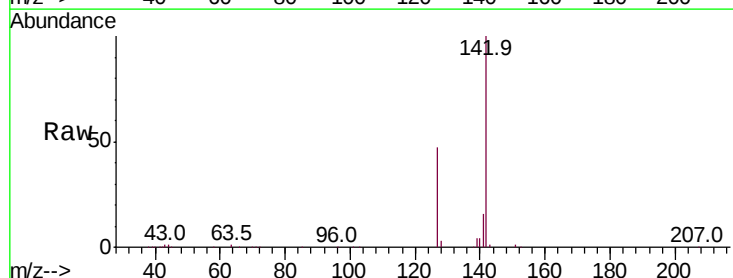
Tgt Ion:142 Resp: 167702

Ion Ratio Lower Upper

142 100

127 47.1 37.4 56.0

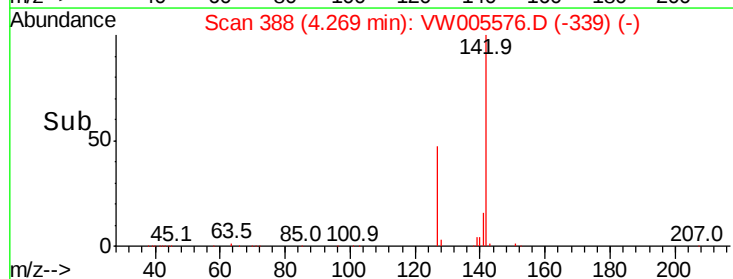
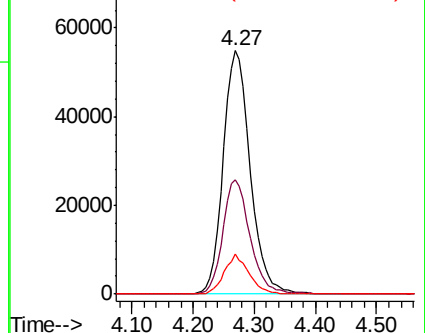
141 14.9 11.9 17.9

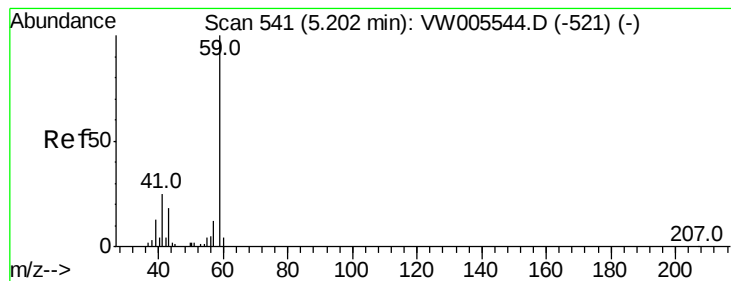


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 224.483 ug/l

RT: 5.22 min Scan# 544

Delta R.T. 0.02 min

Lab File: VW005576.D

Acq: 24 Sep 2018 11:04

Instrument :

MSVOA_W

ClientSampleId :

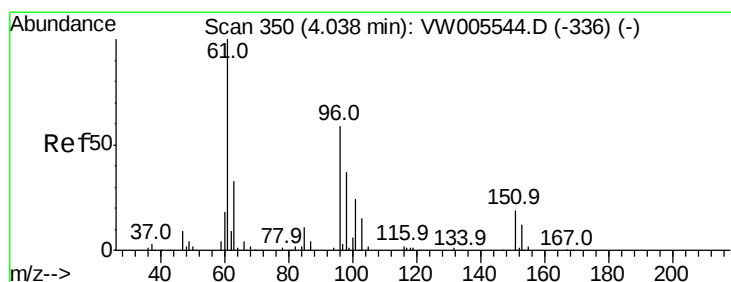
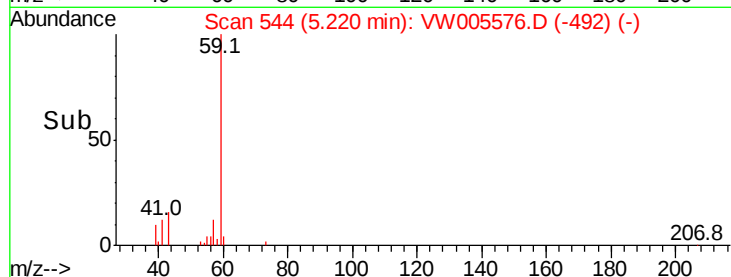
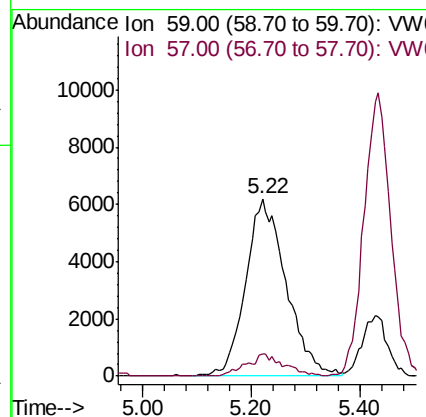
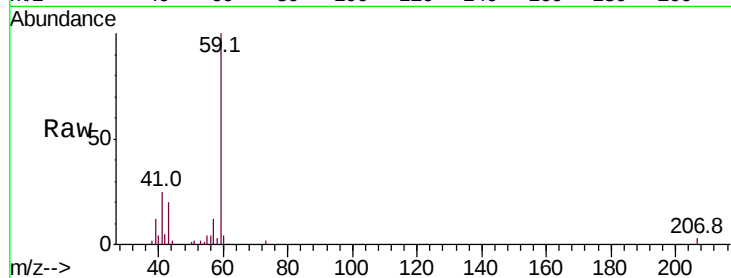
VSTDCCC050

Tot Ion: 59 Resp: 31975

Ion Ratio Lower Upper

59 100

57 11.6 8.3 12.5



#12

1,1-Dichloroethene

Concen: 49.015 ug/l

RT: 4.04 min Scan# 350

Delta R.T. 0.00 min

Lab File: VW005576.D

Acq: 24 Sep 2018 11:04

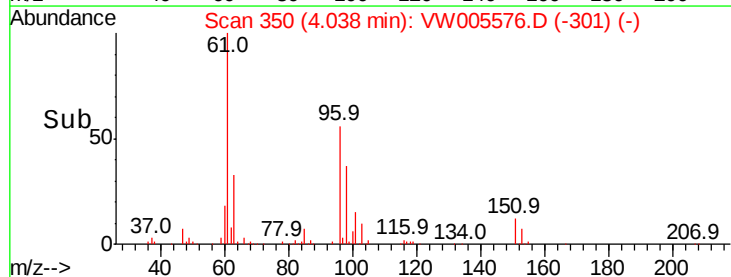
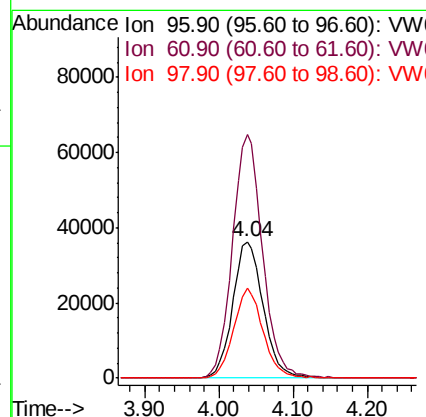
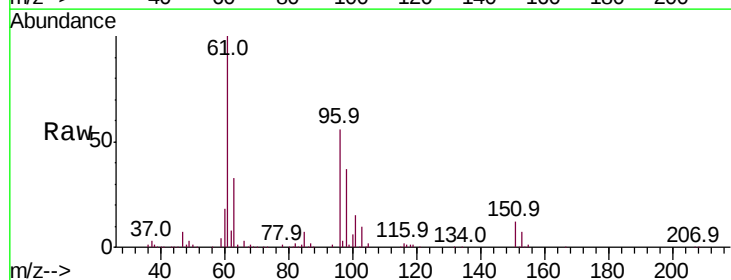
Tgt Ion: 96 Resp: 104423

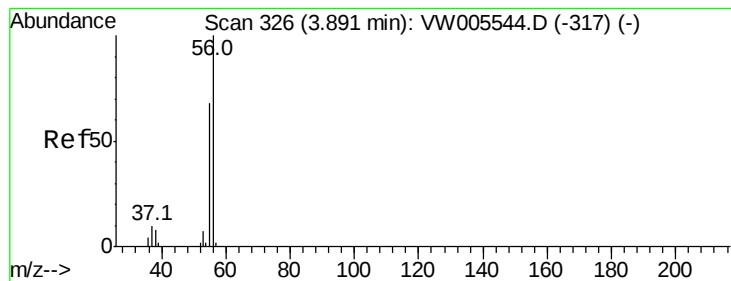
Ion Ratio Lower Upper

96 100

61 178.1 135.0 202.6

98 65.7 50.6 76.0





#13

Acrolein

Concen: 268.349 ug/l

RT: 3.90 min Scan# 327

Delta R.T. 0.01 min

Lab File: VW005576.D

Acq: 24 Sep 2018 11:04

Instrument :

MSVOA_W

ClientSampleId :

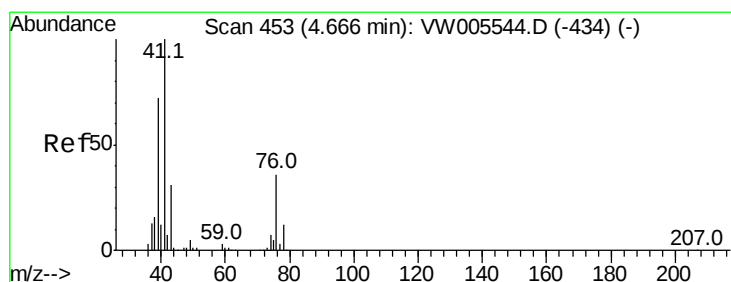
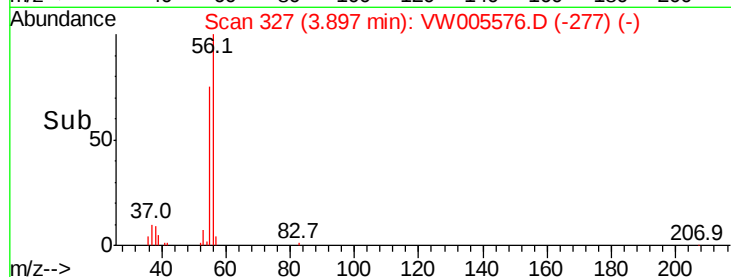
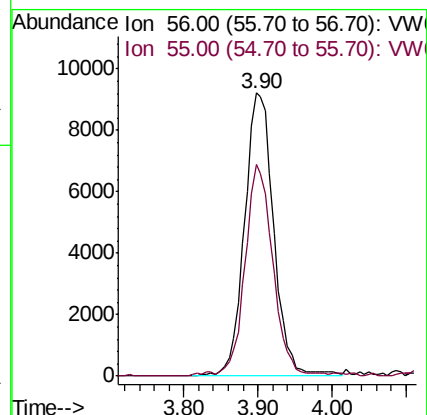
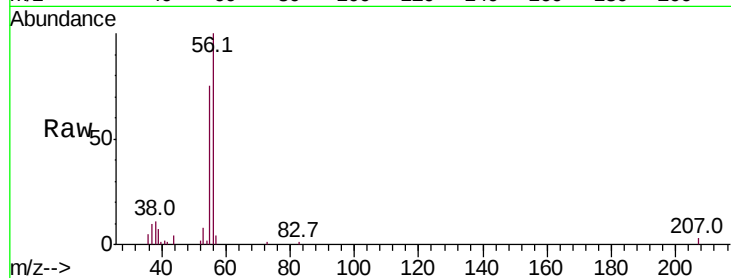
VSTDCCC050

Tot Ion: 56 Resp: 25396

Ion Ratio Lower Upper

56 100

55 69.6 57.8 86.8



#14

Allyl chloride

Concen: 47.489 ug/l

RT: 4.67 min Scan# 454

Delta R.T. 0.01 min

Lab File: VW005576.D

Acq: 24 Sep 2018 11:04

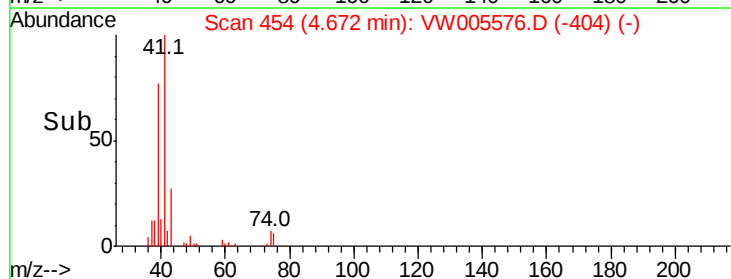
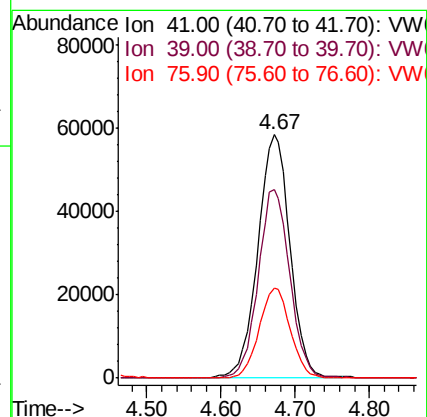
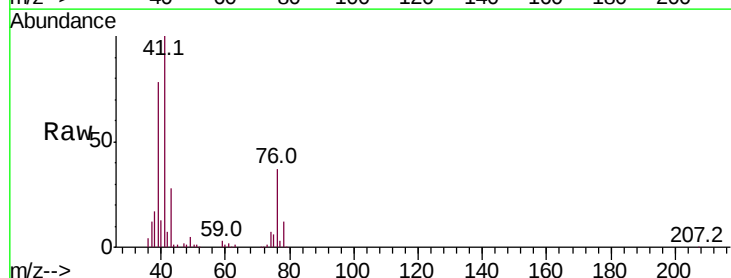
Tgt Ion: 41 Resp: 176565

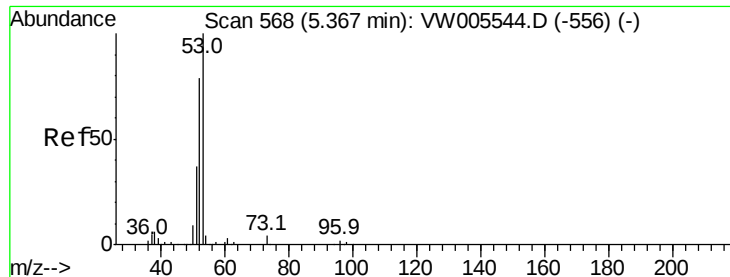
Ion Ratio Lower Upper

41 100

39 76.2 59.6 89.4

76 35.8 27.7 41.5





#15

Acrylonitrile

Concen: 210.147 ug/l

RT: 5.38 min Scan# 570

Delta R.T. 0.01 min

Lab File: VW005576.D

Acq: 24 Sep 2018 11:04

Instrument :

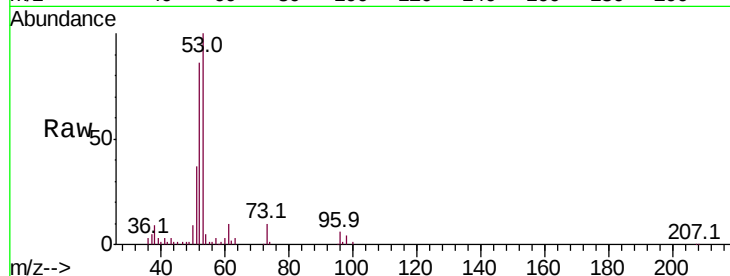
MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 53 Resp: 107145

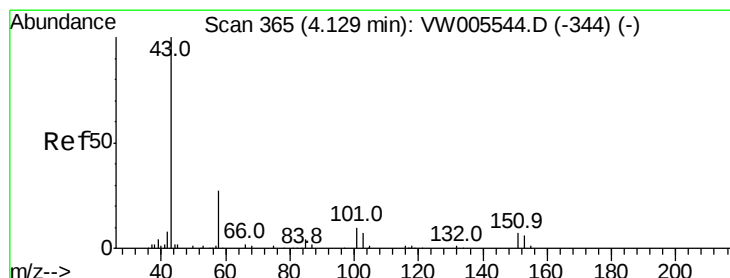
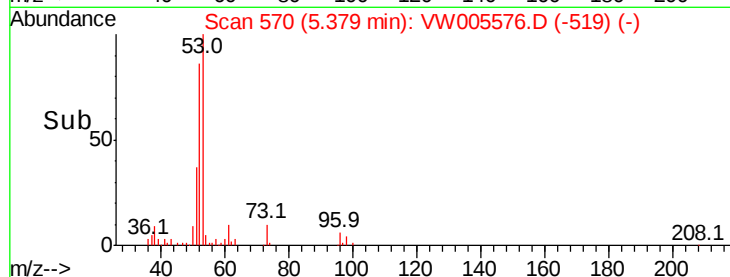
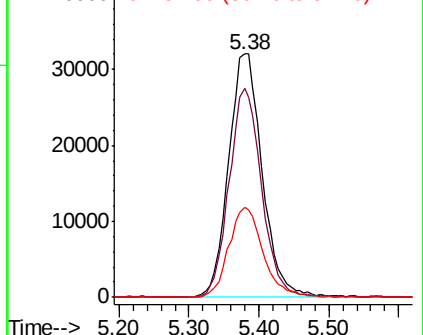
Ion	Ratio	Lower	Upper
53	100		
52	83.0	66.5	99.7
51	37.6	30.6	46.0



Abundance Ion 53.00 (52.70 to 53.70): VW

Ion 52.00 (51.70 to 52.70): VW

Ion 51.00 (50.70 to 51.70): VW



#16

Acetone

Concen: 259.298 ug/l

RT: 4.14 min Scan# 367

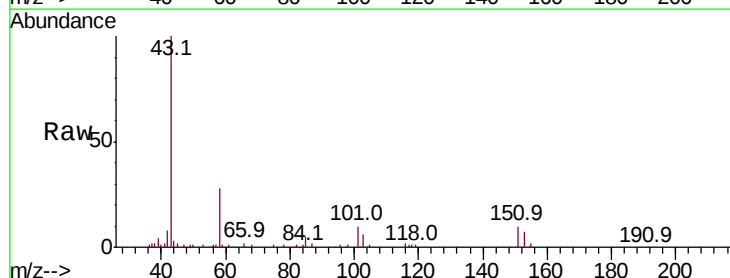
Delta R.T. 0.01 min

Lab File: VW005576.D

Acq: 24 Sep 2018 11:04

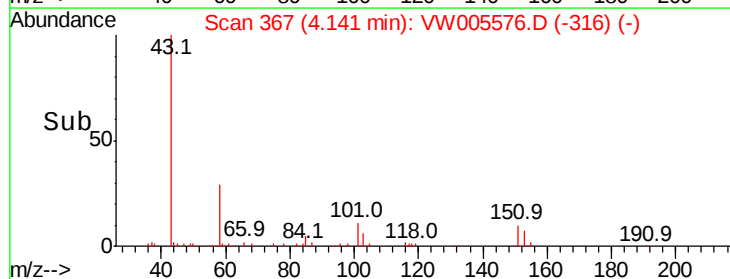
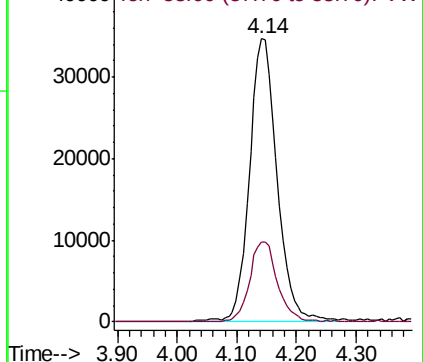
Tgt Ion: 43 Resp: 112182

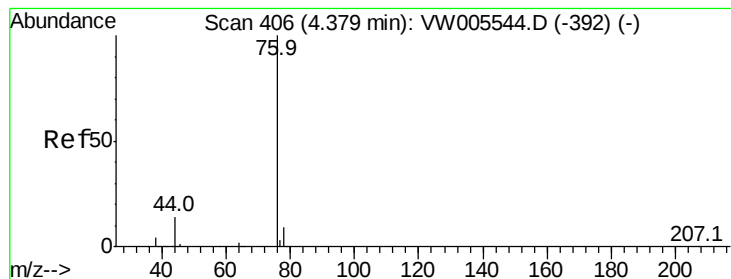
Ion	Ratio	Lower	Upper
43	100		
58	28.1	21.8	32.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#17

Carbon Disulfide

Concen: 49.150 ug/l

RT: 4.38 min Scan# 406

Delta R.T. 0.00 min

Lab File: VW005576.D

Acq: 24 Sep 2018 11:04

Instrument :

MSVOA_W

ClientSampleId :

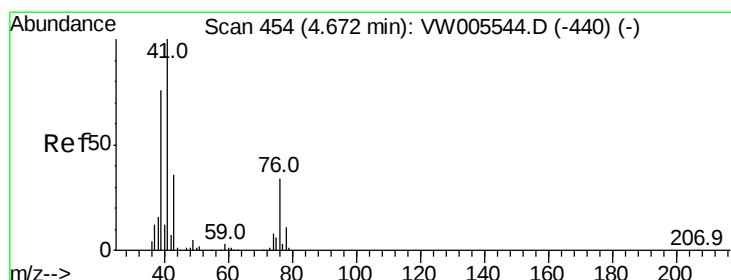
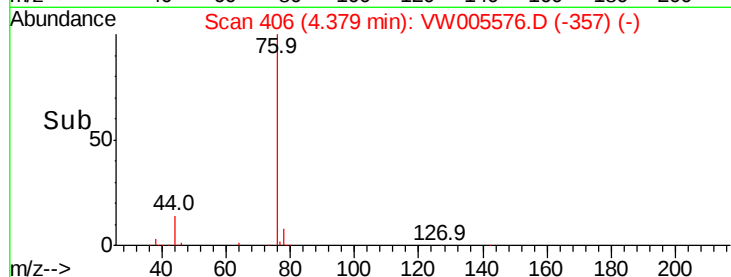
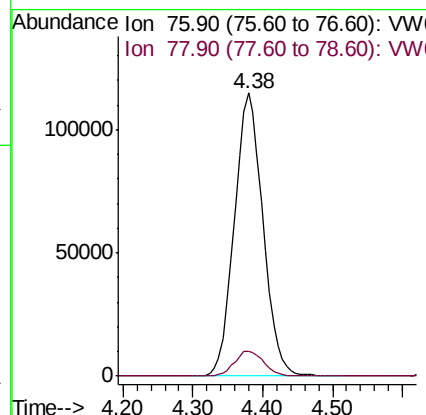
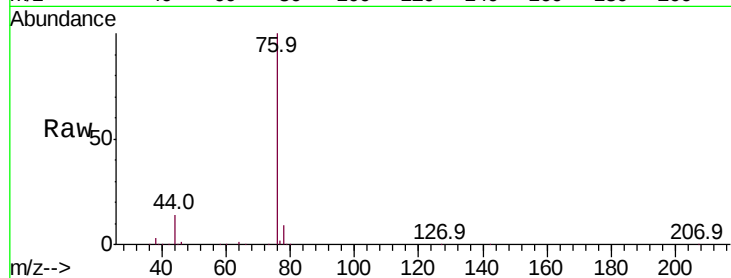
VSTDCCC050

Tot Ion: 76 Resp: 327160

Ion Ratio Lower Upper

76 100

78 8.9 7.4 11.0



#18

Methyl Acetate

Concen: 40.753 ug/l

RT: 4.68 min Scan# 455

Delta R.T. 0.01 min

Lab File: VW005576.D

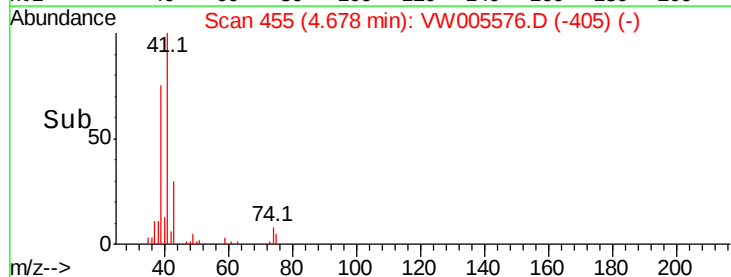
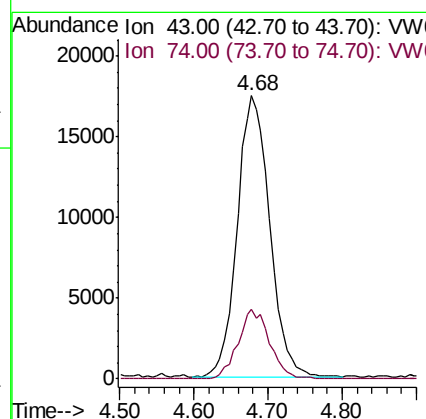
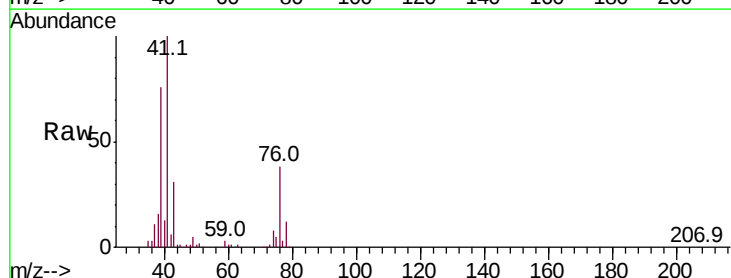
Acq: 24 Sep 2018 11:04

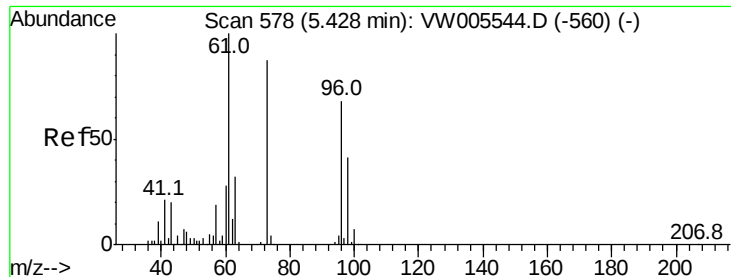
Tgt Ion: 43 Resp: 53228

Ion Ratio Lower Upper

43 100

74 24.0 19.2 28.8

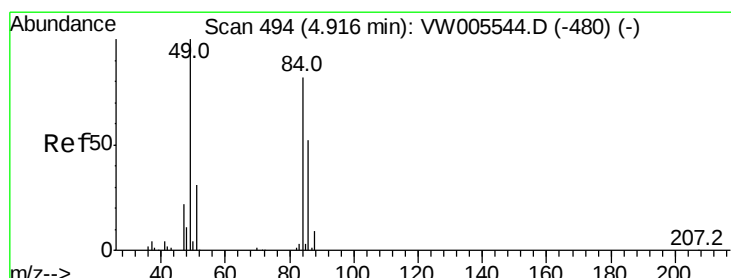
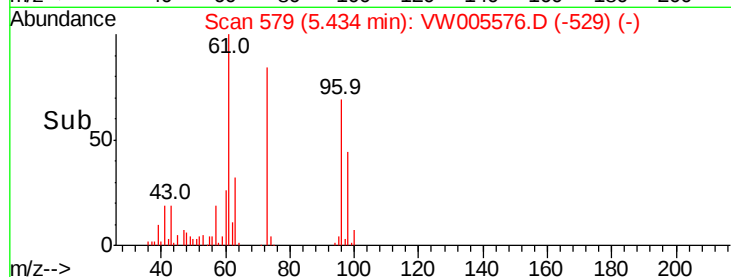
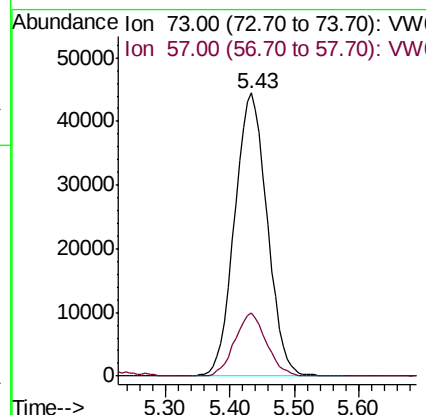
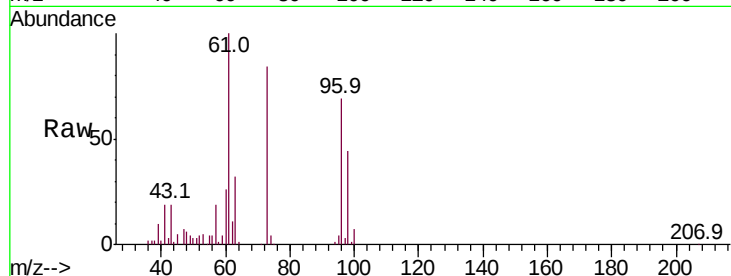




#19
Methyl tert-butyl Ether
Concen: 47.425 ug/l
RT: 5.43 min Scan# 579
Delta R.T. 0.01 min
Lab File: VW005576.D
Acq: 24 Sep 2018 11:04

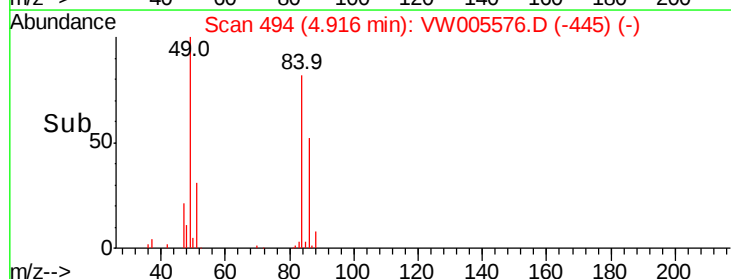
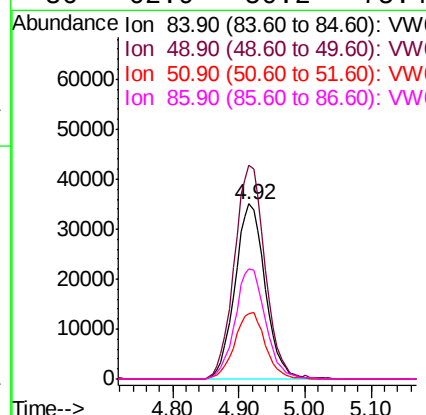
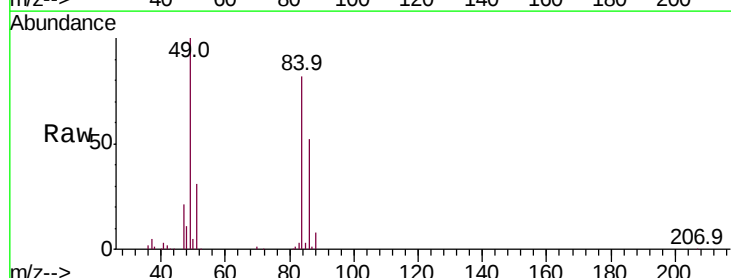
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

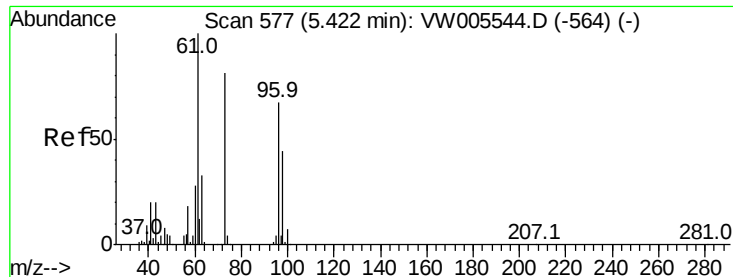
Tot Ion: 73 Resp: 155948
Ion Ratio Lower Upper
73 100
57 22.2 17.6 26.4



#20
Methylene Chloride
Concen: 48.025 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW005576.D
Acq: 24 Sep 2018 11:04

Tgt Ion: 84 Resp: 111273
Ion Ratio Lower Upper
84 100
49 121.8 97.0 145.6
51 37.5 30.2 45.2
86 62.9 50.2 75.4





#21

trans-1,2-Dichloroethene

Concen: 49.235 ug/l

RT: 5.43 min Scan# 578

Delta R.T. 0.01 min

Lab File: VW005576.D

Acq: 24 Sep 2018 11:04

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

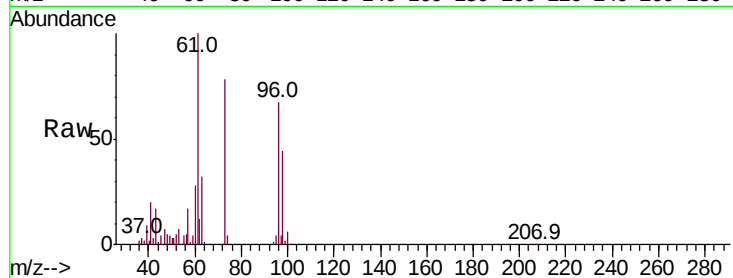
Tot Ion: 96 Resp: 114886

Ion Ratio Lower Upper

96 100

61 148.9 118.9 178.3

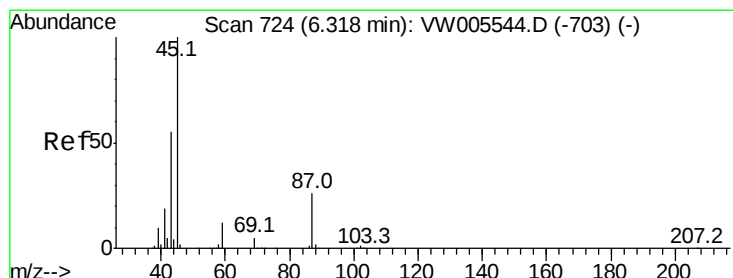
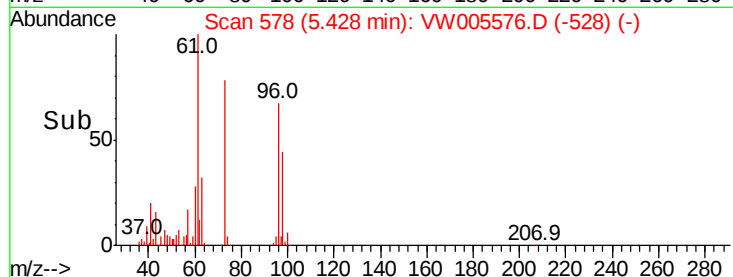
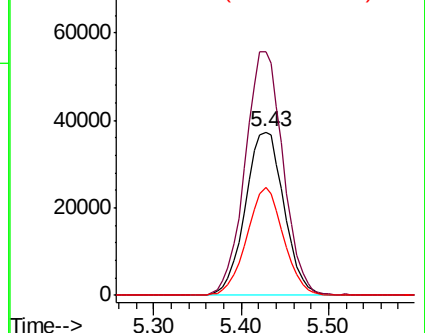
98 65.7 52.1 78.1



Abundance Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW



#22

Diisopropyl ether

Concen: 47.569 ug/l

RT: 6.32 min Scan# 724

Delta R.T. 0.00 min

Lab File: VW005576.D

Acq: 24 Sep 2018 11:04

Tgt Ion: 45 Resp: 343331

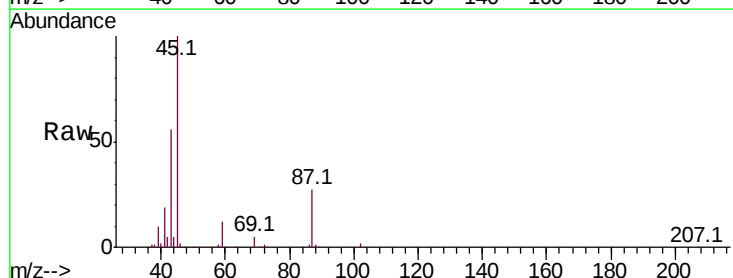
Ion Ratio Lower Upper

45 100

43 55.3 44.2 66.4

87 26.5 21.4 32.2

59 11.7 9.3 13.9

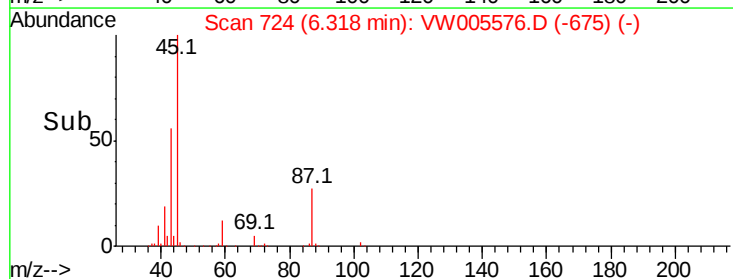
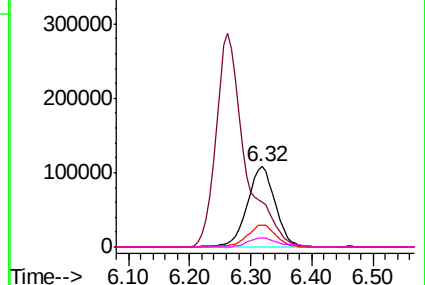


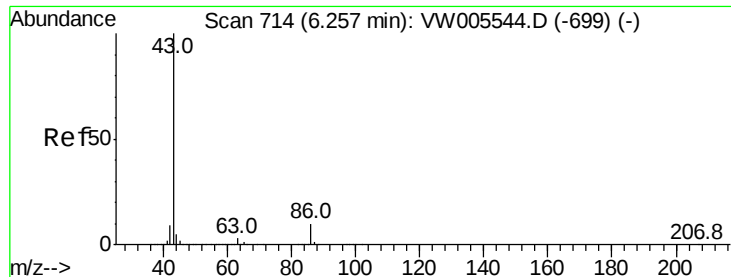
Abundance Ion 45.00 (44.70 to 45.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 87.00 (86.70 to 87.70): VW

Ion 59.00 (58.70 to 59.70): VW





#23

Vinyl Acetate

Concen: 230.216 ug/l

RT: 6.26 min Scan# 715

Delta R.T. 0.01 min

Lab File: VW005576.D

Acq: 24 Sep 2018 11:04

Instrument :

MSVOA_W

ClientSampleId :

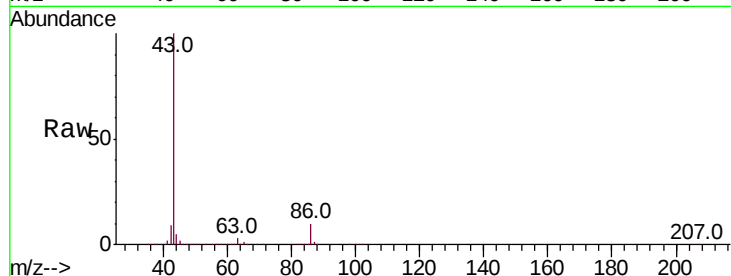
VSTDCCC050

Tot Ion: 43 Resp: 949722

Ion Ratio Lower Upper

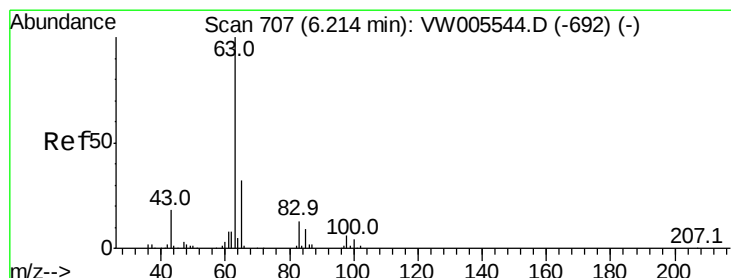
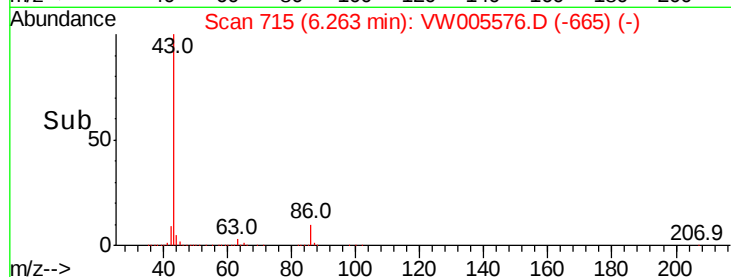
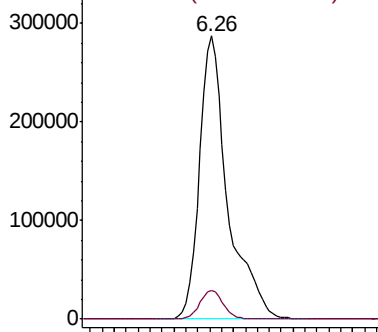
43 100

86 9.9 7.7 11.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 47.617 ug/l

RT: 6.22 min Scan# 708

Delta R.T. 0.01 min

Lab File: VW005576.D

Acq: 24 Sep 2018 11:04

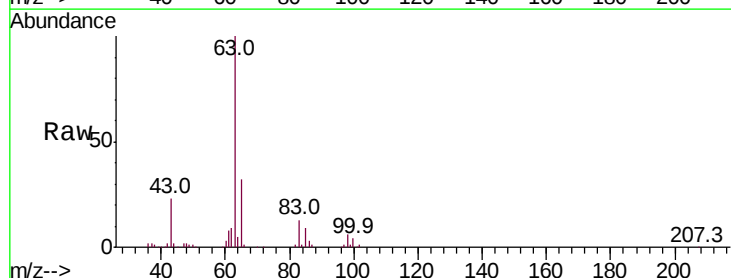
Tgt Ion: 63 Resp: 212340

Ion Ratio Lower Upper

63 100

98 6.0 2.9 8.8

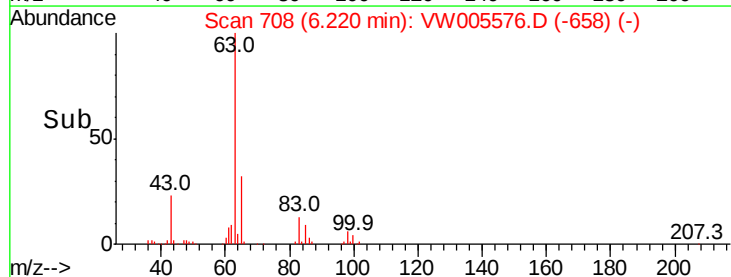
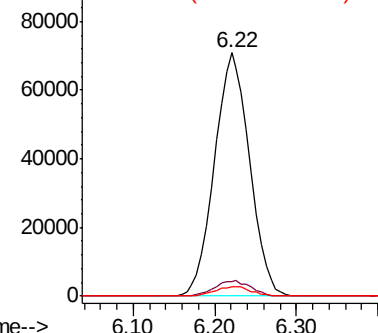
100 3.7 2.1 6.2

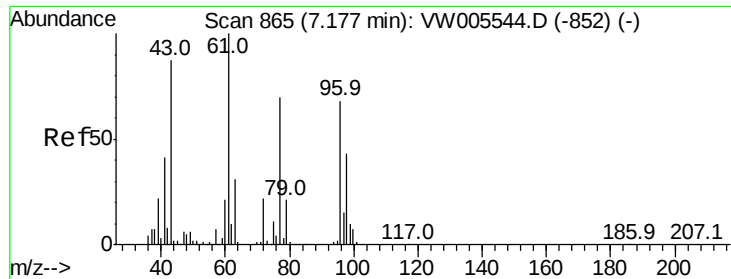


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 202.245 ug/l

RT: 7.18 min Scan# 866

Delta R.T. 0.01 min

Lab File: VW005576.D

Acq: 24 Sep 2018 11:04

Instrument :

MSVOA_W

ClientSampleId :

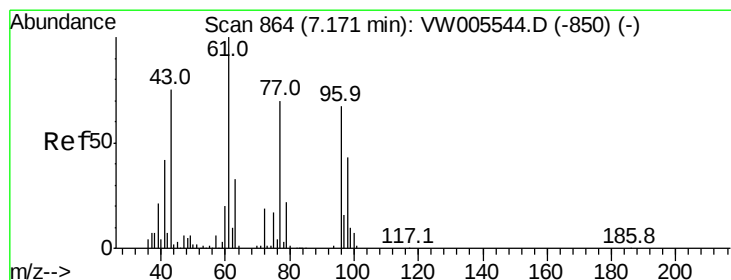
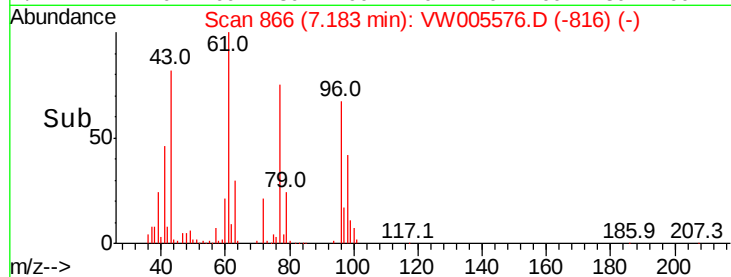
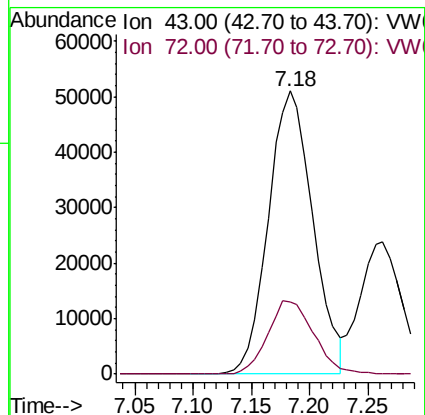
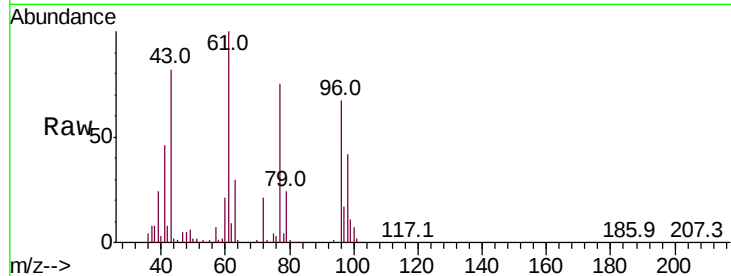
VSTDCCC050

Tot Ion: 43 Resp: 135363

Ion Ratio Lower Upper

43 100

72 25.3 19.9 29.9



#26

2,2-Dichloropropane

Concen: 51.376 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW005576.D

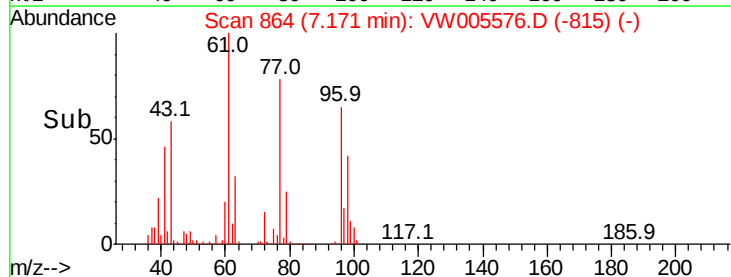
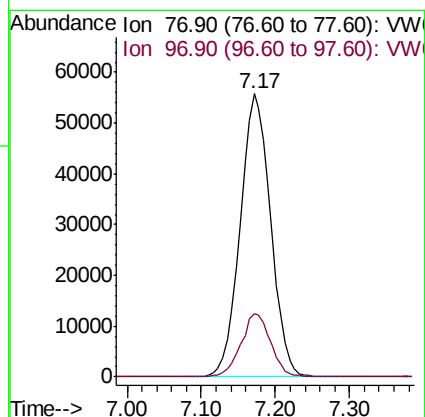
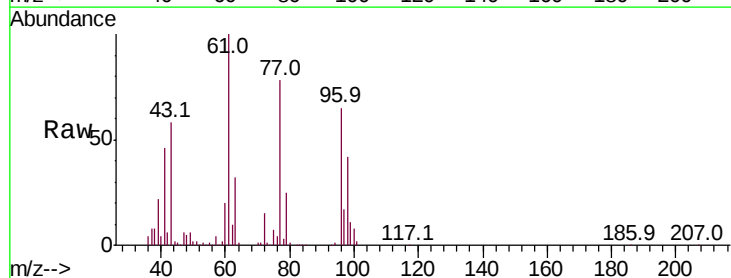
Acq: 24 Sep 2018 11:04

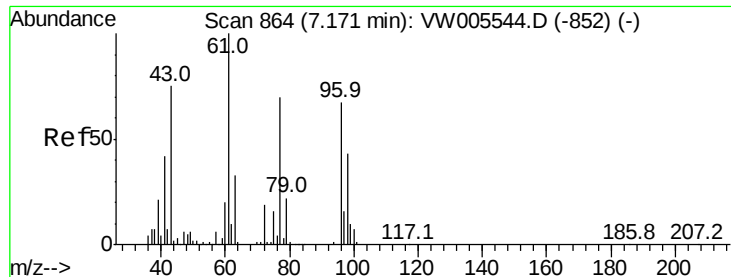
Tgt Ion: 77 Resp: 159940

Ion Ratio Lower Upper

77 100

97 21.9 11.0 33.0



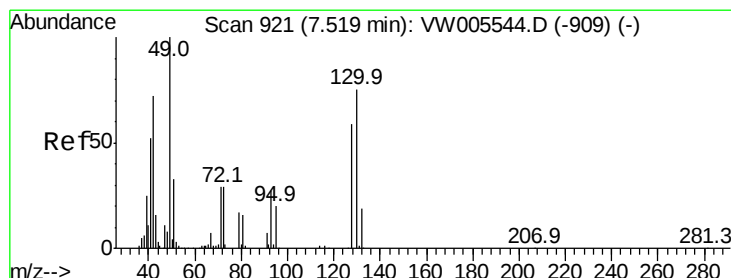
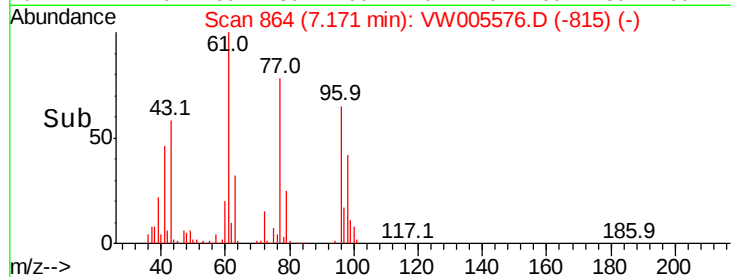
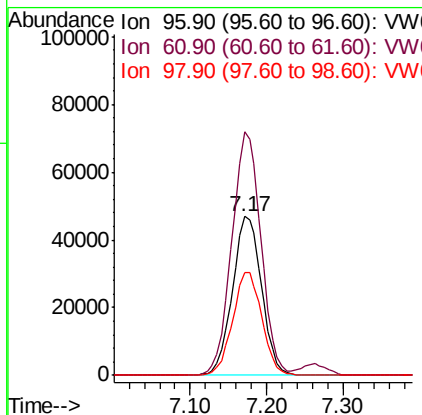
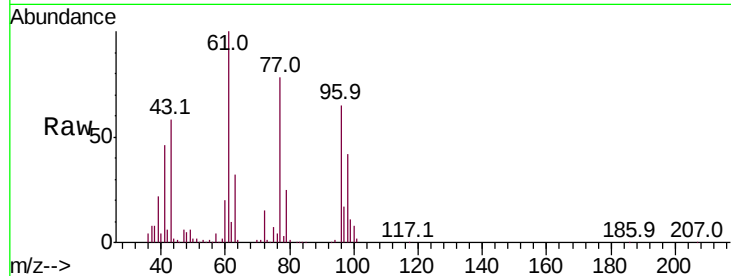


#27

cis-1,2-Dichloroethene
 Concen: 48.013 ug/l
 RT: 7.17 min Scan# 864
 Delta R.T. 0.00 min
 Lab File: VW005576.D
 Acq: 24 Sep 2018 11:04

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

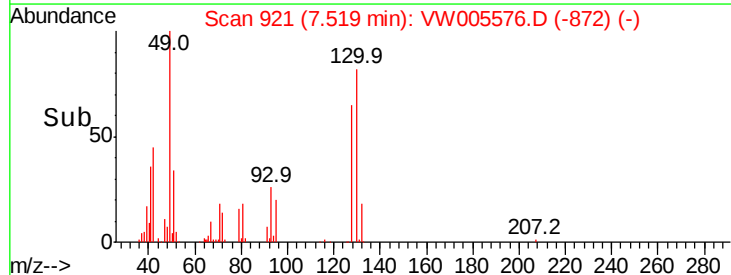
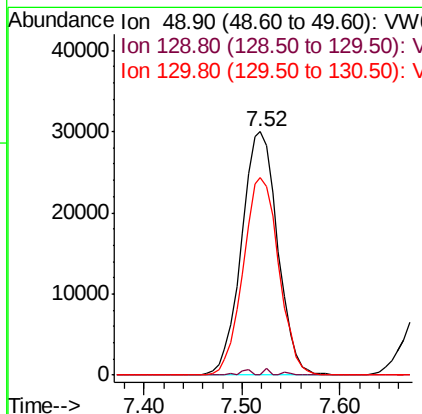
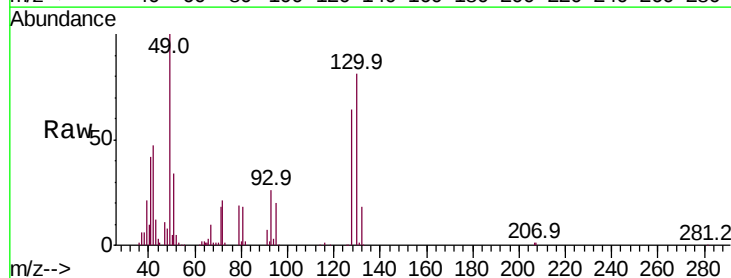
Tot Ion	96	Resp	123570
Ion Ratio	Lower	Upper	
96	100		
61	153.1	0.0	303.4
98	64.8	0.0	127.2

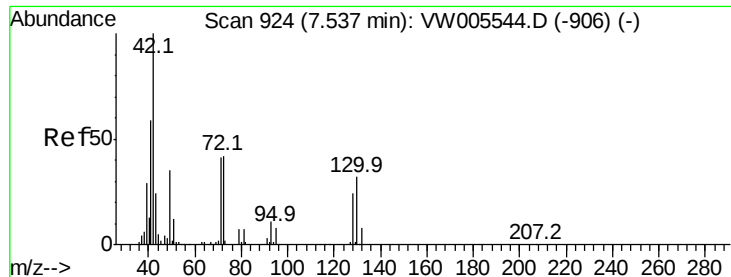


#28

Bromochloromethane
 Concen: 43.350 ug/l
 RT: 7.52 min Scan# 921
 Delta R.T. 0.00 min
 Lab File: VW005576.D
 Acq: 24 Sep 2018 11:04

Tgt Ion	49	Resp	76572
Ion Ratio	Lower	Upper	
49	100		
129	0.4	0.0	1.4
130	80.5	61.3	91.9





#29

Tetrahydrofuran

Concen: 204.077 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.00 min

Lab File: VW005576.D

Acq: 24 Sep 2018 11:04

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

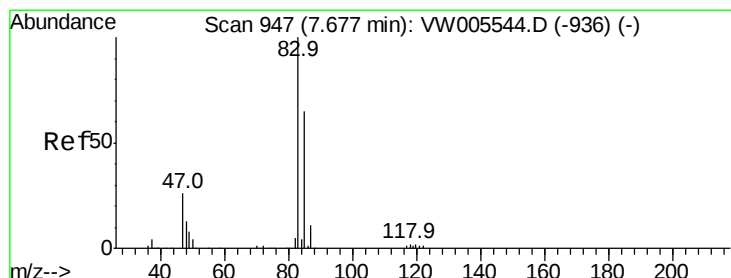
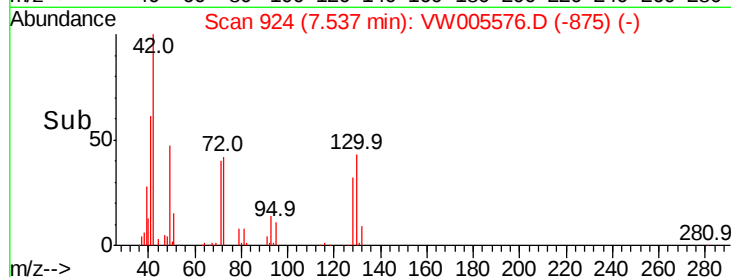
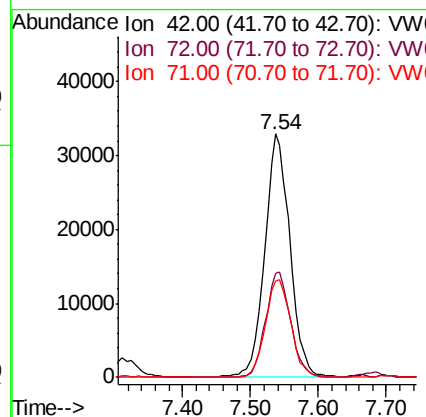
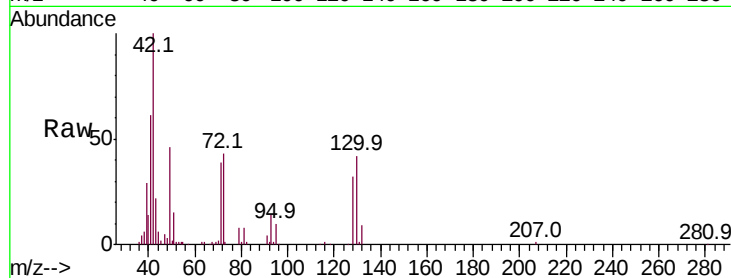
Tot Ion: 42 Resp: 85332

Ion Ratio Lower Upper

42 100

72 42.7 33.6 50.4

71 40.5 31.8 47.6



#30

Chloroform

Concen: 48.287 ug/l

RT: 7.68 min Scan# 948

Delta R.T. 0.01 min

Lab File: VW005576.D

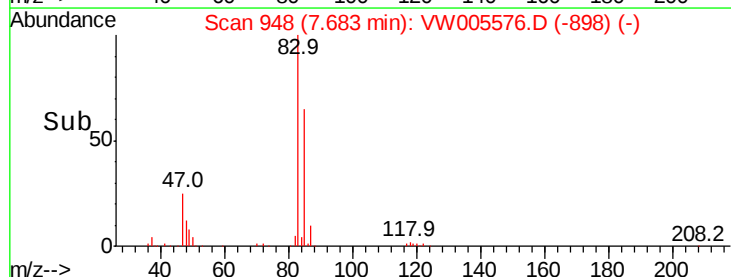
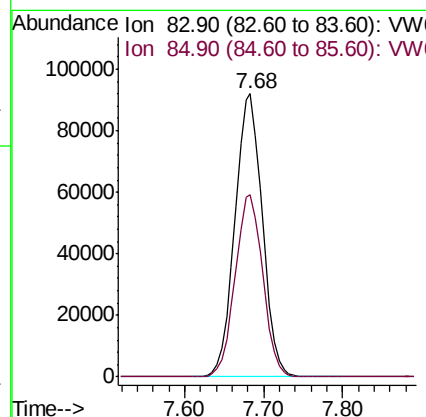
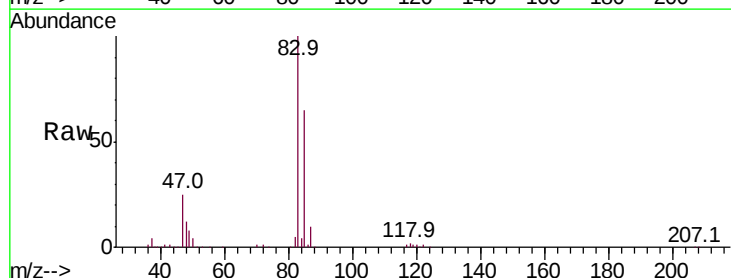
Acq: 24 Sep 2018 11:04

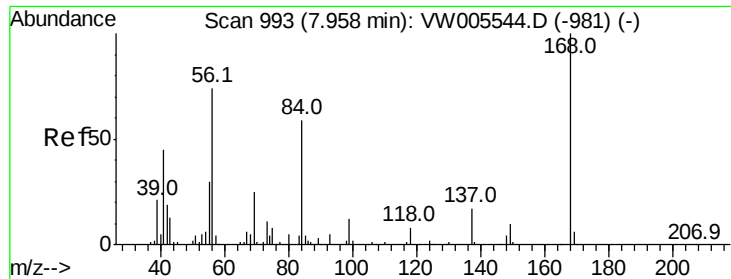
Tgt Ion: 83 Resp: 222304

Ion Ratio Lower Upper

83 100

85 64.5 51.8 77.6

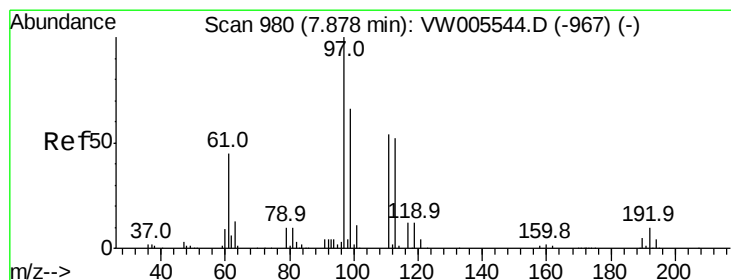
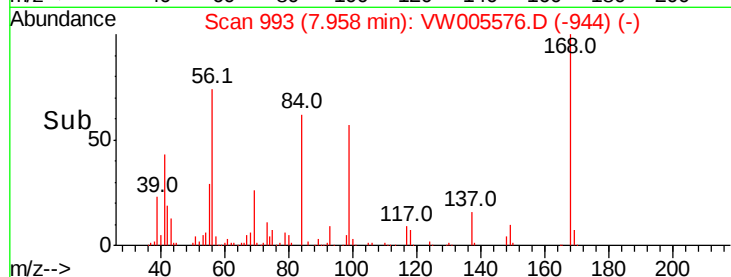
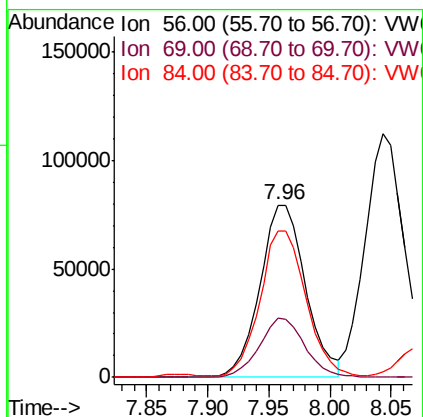
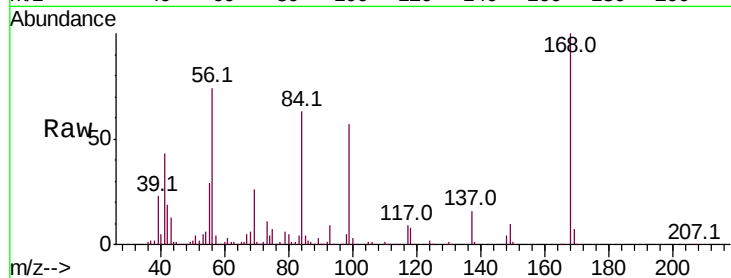




#31
Cyclohexane
Concen: 48.362 ug/l
RT: 7.96 min Scan# 993
Delta R.T. 0.00 min
Lab File: VW005576.D
Acq: 24 Sep 2018 11:04

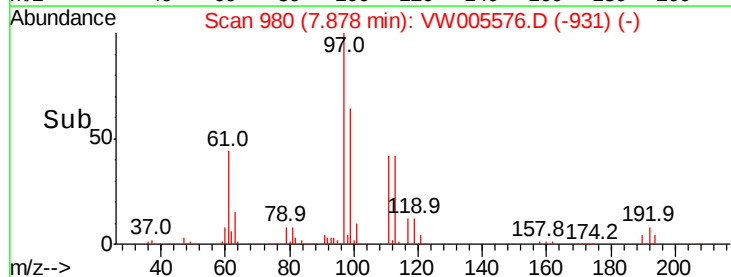
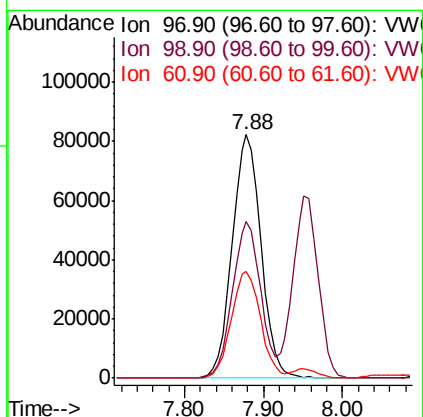
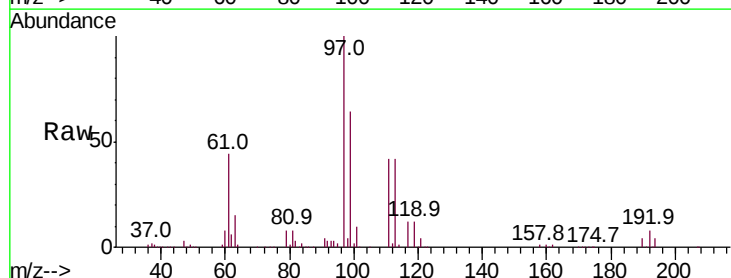
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

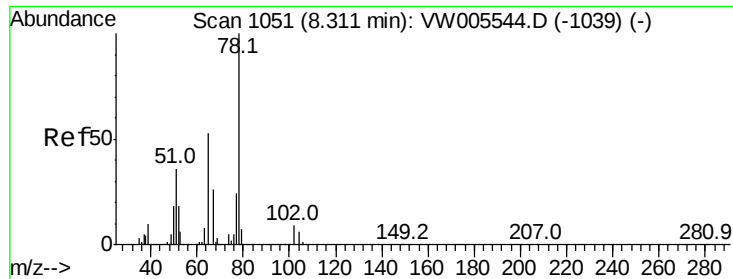
Tot Ion: 56 Resp: 206618
Ion Ratio Lower Upper
56 100
69 34.4 27.0 40.4
84 83.3 64.2 96.4



#32
1,1,1-Trichloroethane
Concen: 51.338 ug/l
RT: 7.88 min Scan# 980
Delta R.T. 0.00 min
Lab File: VW005576.D
Acq: 24 Sep 2018 11:04

Tgt Ion: 97 Resp: 208790
Ion Ratio Lower Upper
97 100
99 62.9 51.0 76.6
61 44.5 36.2 54.2





#33

1,2-Dichloroethane-d4

Concen: 45.296 ug/l

RT: 8.31 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VW005576.D

Acq: 24 Sep 2018 11:04

Instrument :

MSVOA_W

ClientSampleId :

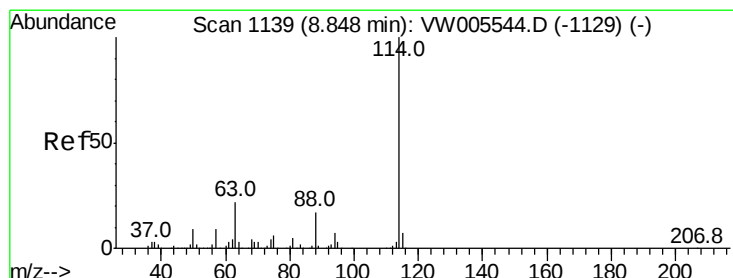
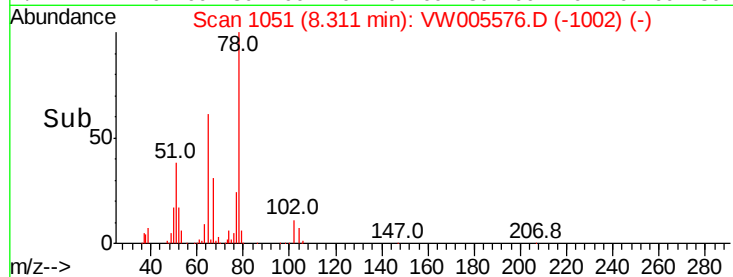
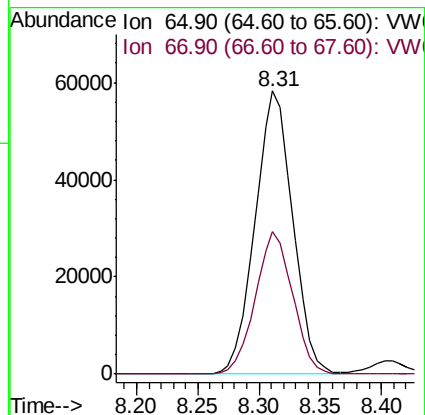
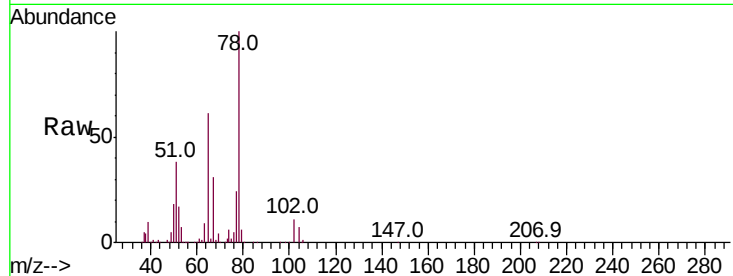
VSTDCCC050

Tot Ion: 65 Resp: 124824

Ion Ratio Lower Upper

65 100

67 50.0 0.0 100.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.85 min Scan# 1139

Delta R.T. 0.00 min

Lab File: VW005576.D

Acq: 24 Sep 2018 11:04

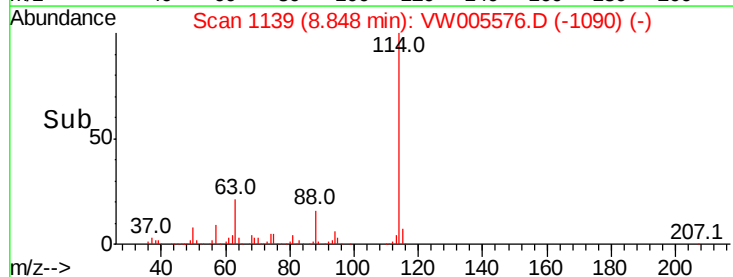
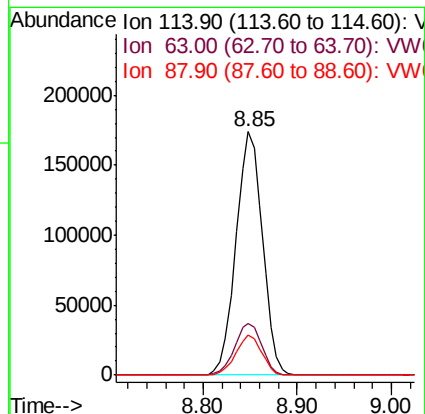
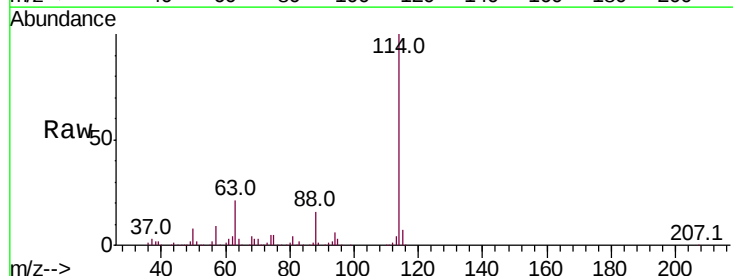
Tgt Ion: 114 Resp: 340232

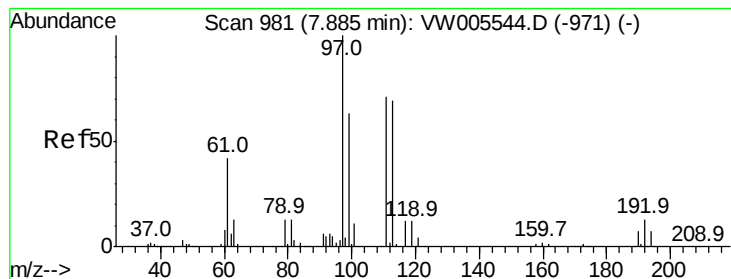
Ion Ratio Lower Upper

114 100

63 21.4 0.0 43.0

88 16.2 0.0 33.0





#35

Dibromofluoromethane

Concen: 49.710 ug/l

RT: 7.89 min Scan# 982

Delta R.T. 0.01 min

Lab File: VW005576.D

Acq: 24 Sep 2018 11:04

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

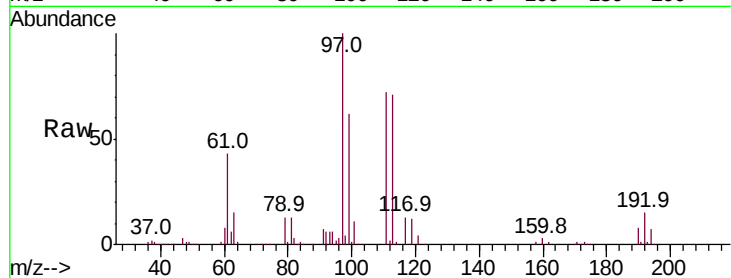
Tot Ion:113 Resp: 106358

Ion Ratio Lower Upper

113 100

111 102.3 82.6 123.8

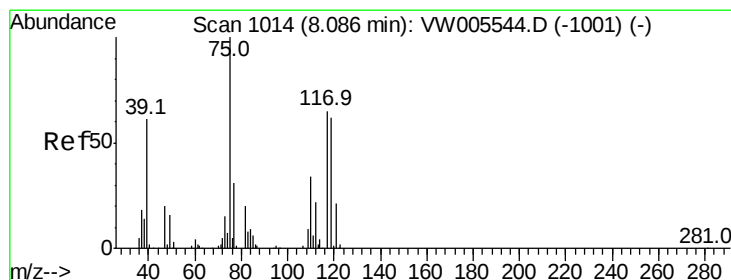
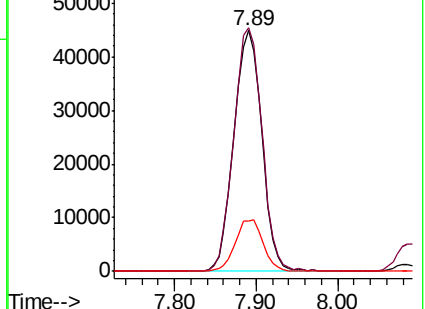
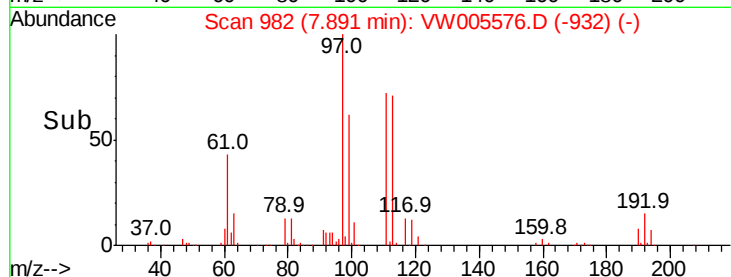
192 21.4 17.0 25.4



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 52.540 ug/l

RT: 8.09 min Scan# 1015

Delta R.T. 0.01 min

Lab File: VW005576.D

Acq: 24 Sep 2018 11:04

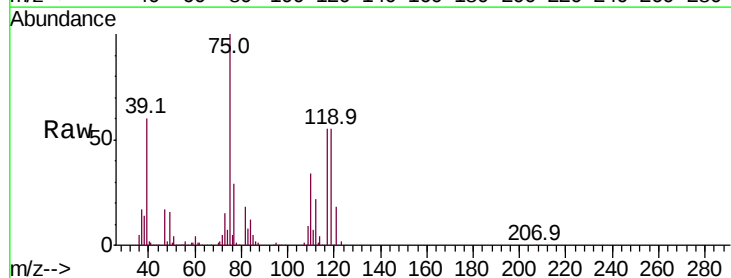
Tgt Ion: 75 Resp: 179948

Ion Ratio Lower Upper

75 100

110 34.2 17.0 50.9

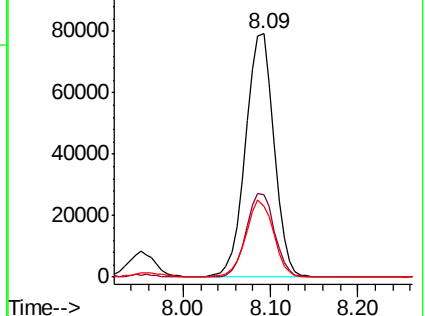
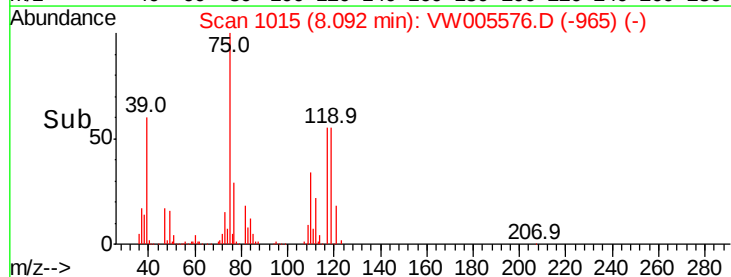
77 30.8 24.8 37.2

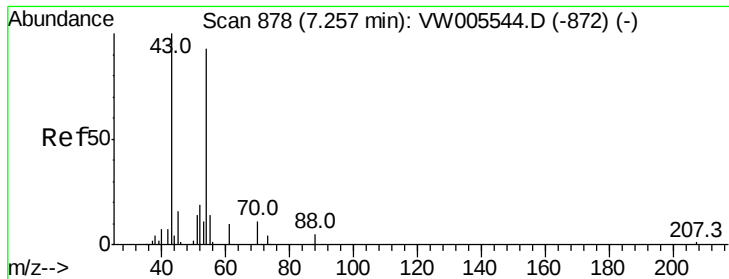


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

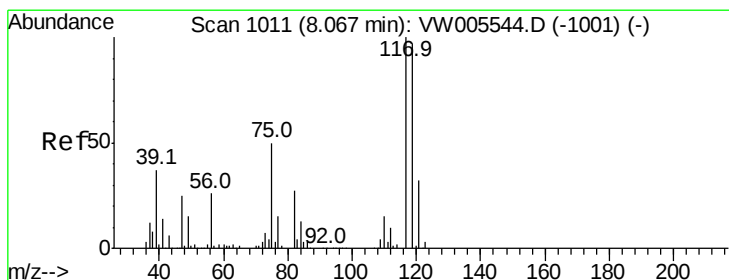
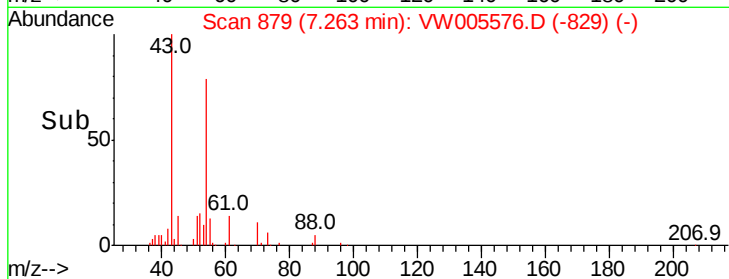
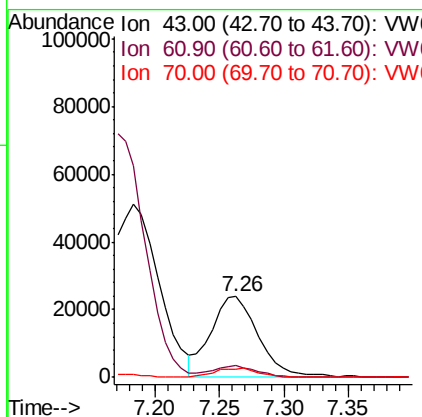
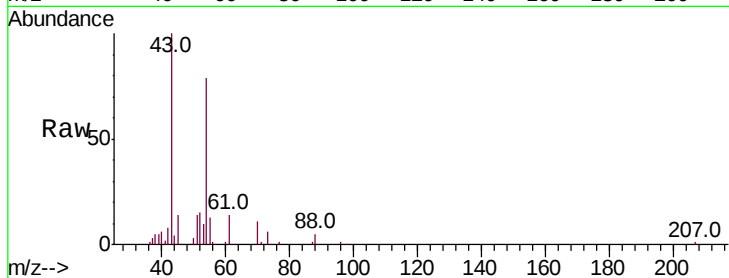




#37
Ethyl Acetate
Concen: 41.626 ug/l
RT: 7.26 min Scan# 879
Delta R.T. 0.01 min
Lab File: VW005576.D
Acq: 24 Sep 2018 11:04

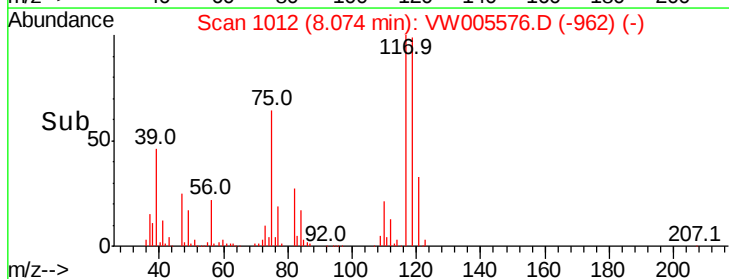
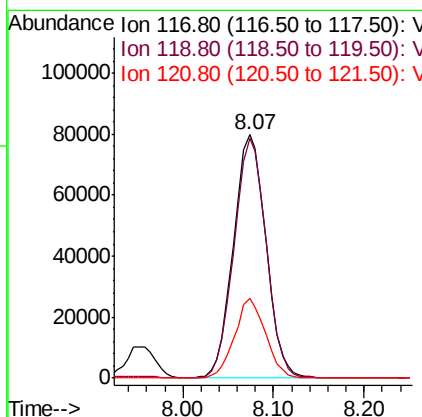
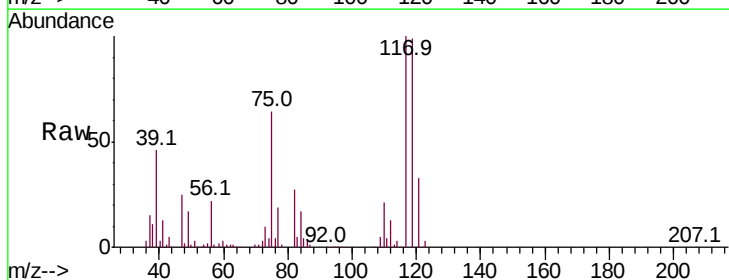
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

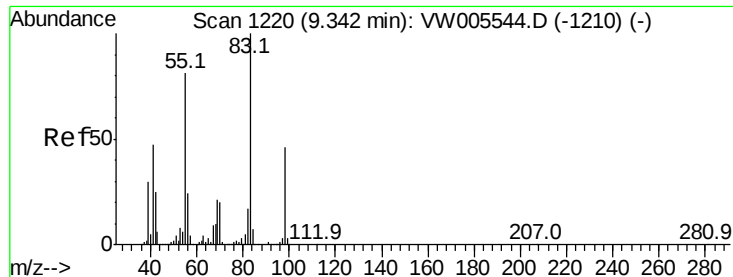
Tot Ion: 43 Resp: 59996
Ion Ratio Lower Upper
43 100
61 13.7 10.4 15.6
70 11.0 8.2 12.2



#38
Carbon Tetrachloride
Concen: 54.108 ug/l
RT: 8.07 min Scan# 1012
Delta R.T. 0.01 min
Lab File: VW005576.D
Acq: 24 Sep 2018 11:04

Tgt Ion: 117 Resp: 198586
Ion Ratio Lower Upper
117 100
119 98.6 77.6 116.4
121 32.8 25.7 38.5

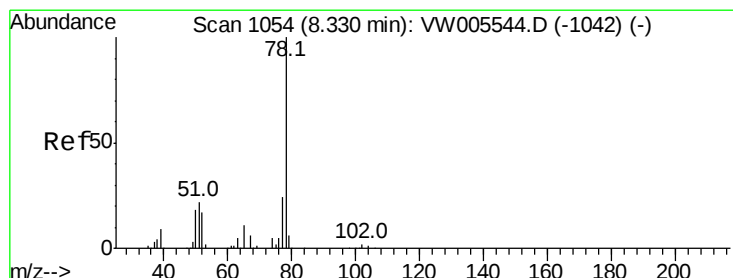
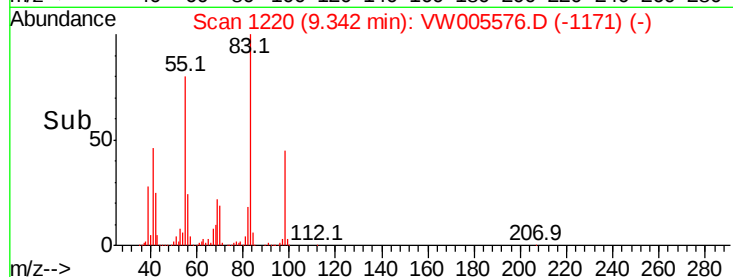
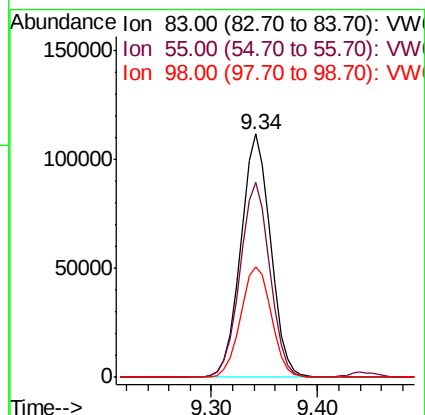
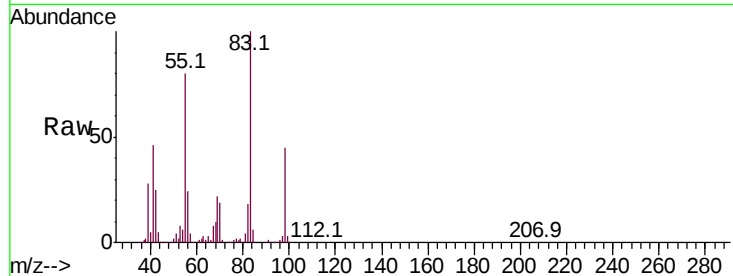




#39
Methvlcvclohexane
Concen: 54.273 ug/l
RT: 9.34 min Scan# 1220
Delta R.T. 0.00 min
Lab File: VW005576.D
Acq: 24 Sep 2018 11:04

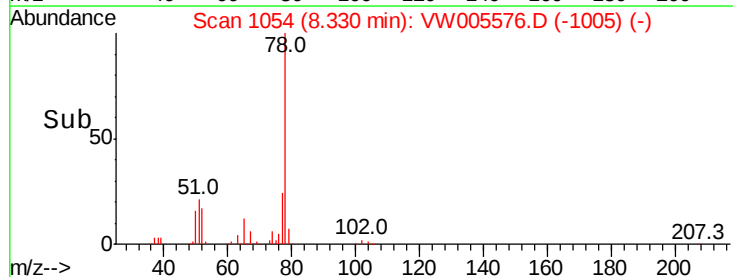
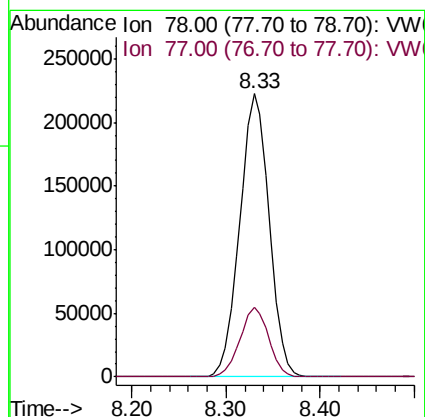
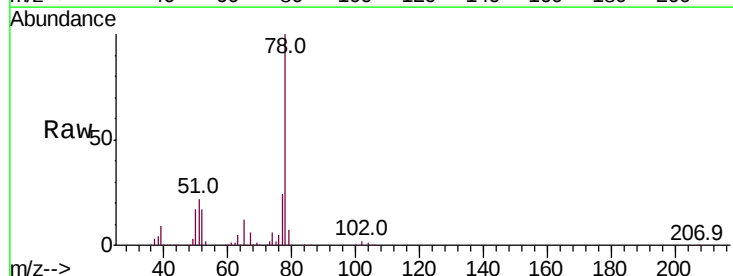
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

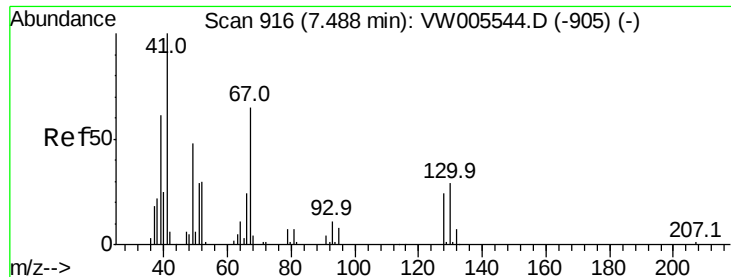
Tot Ion	Ratio	Lower	Upper
83	100		
55	80.1	64.6	97.0
98	45.3	37.0	55.6



#40
Benzene
Concen: 50.027 ug/l
RT: 8.33 min Scan# 1054
Delta R.T. 0.00 min
Lab File: VW005576.D
Acq: 24 Sep 2018 11:04

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.4	19.0	28.4

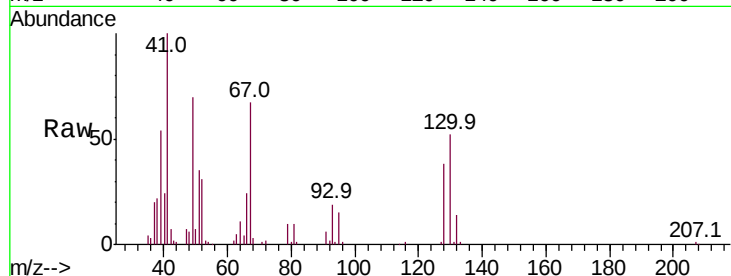




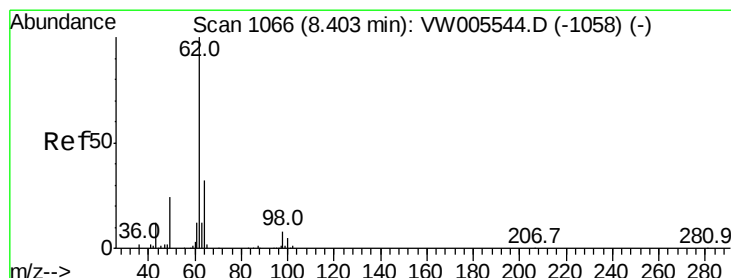
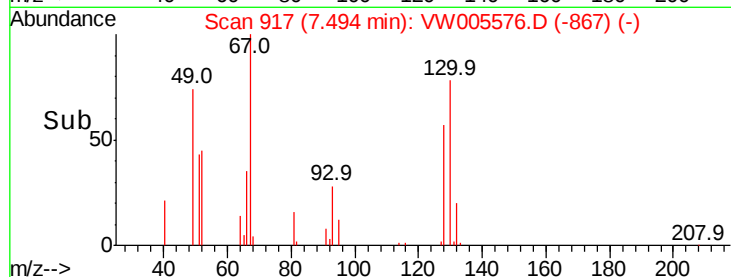
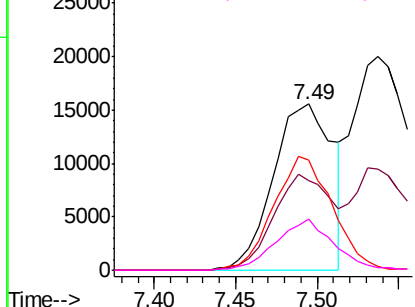
#41
Methacrylonitrile
Concen: 48.042 ug/l
RT: 7.49 min Scan# 917
Delta R.T. 0.01 min
Lab File: VW005576.D
Acq: 24 Sep 2018 11:04

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion:	41	Resp:	39403
Ion	Ratio	Lower	Upper
41	100		
39	55.5	45.4	68.2
67	68.2	55.2	82.8
52	30.1	25.3	37.9

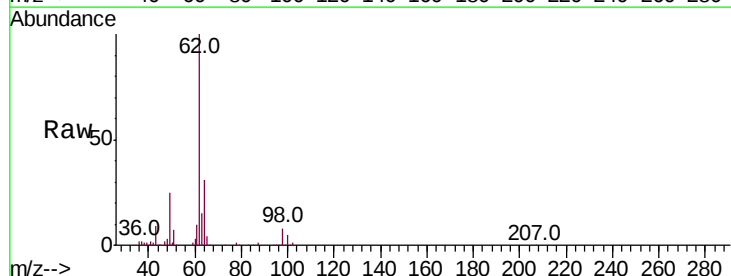


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

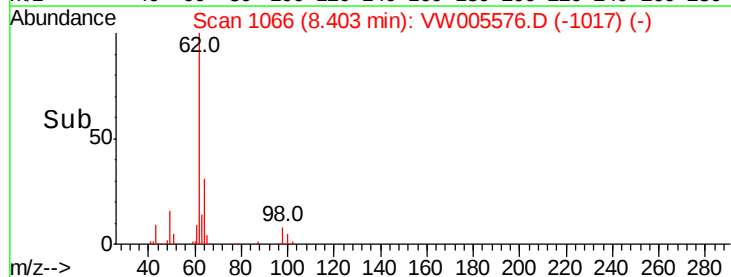
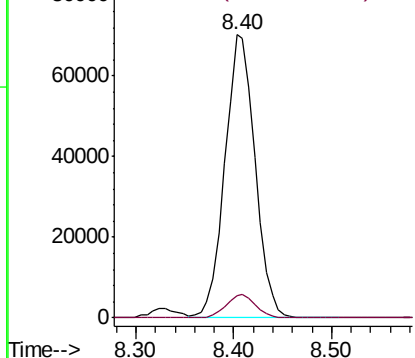


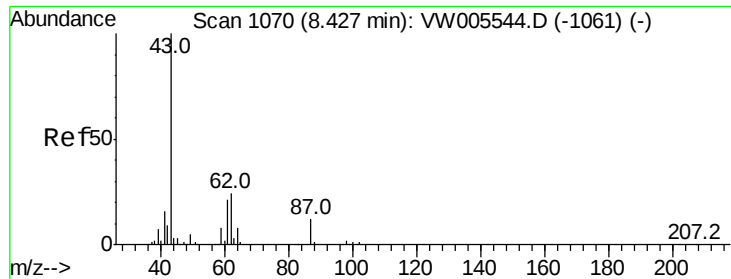
#42
1,2-Dichloroethane
Concen: 48.229 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW005576.D
Acq: 24 Sep 2018 11:04

Tgt Ion:	62	Resp:	149844
Ion	Ratio	Lower	Upper
62	100		
98	8.1	0.0	15.6



Abundance Ion 61.90 (61.60 to 62.60): VW
Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 43.393 ug/l

RT: 8.43 min Scan# 1071

Delta R.T. 0.01 min

Lab File: VW005576.D

Acq: 24 Sep 2018 11:04

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

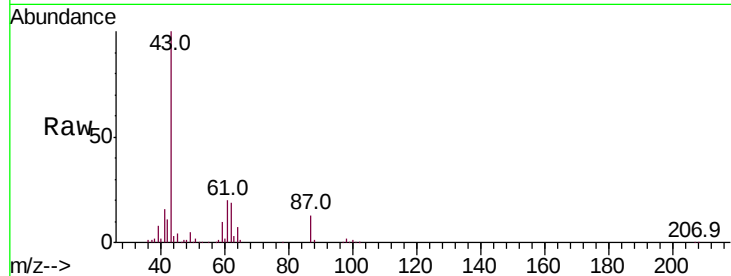
Tot Ion: 43 Resp: 122966

Ion Ratio Lower Upper

43 100

61 31.1 24.1 36.1

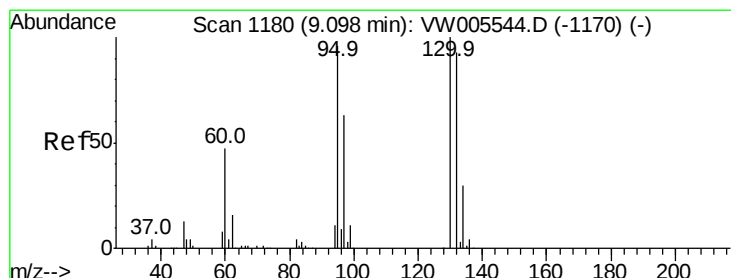
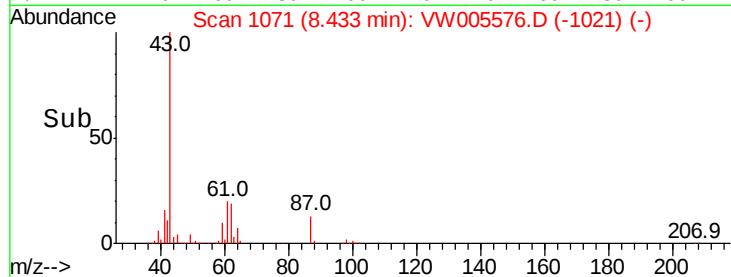
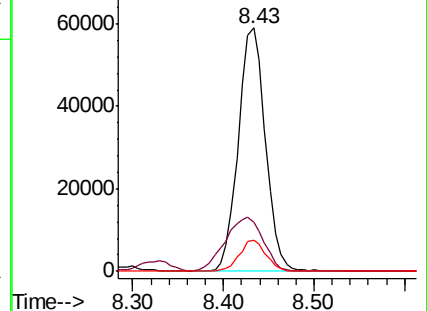
87 12.6 9.8 14.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 87.00 (86.70 to 87.70): VW



#44

Trichloroethene

Concen: 52.043 ug/l

RT: 9.10 min Scan# 1180

Delta R.T. 0.00 min

Lab File: VW005576.D

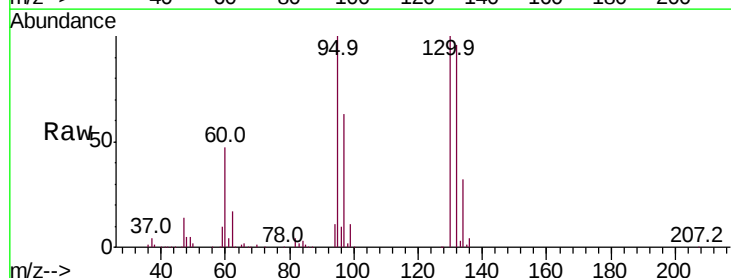
Acq: 24 Sep 2018 11:04

Tgt Ion: 130 Resp: 129272

Ion Ratio Lower Upper

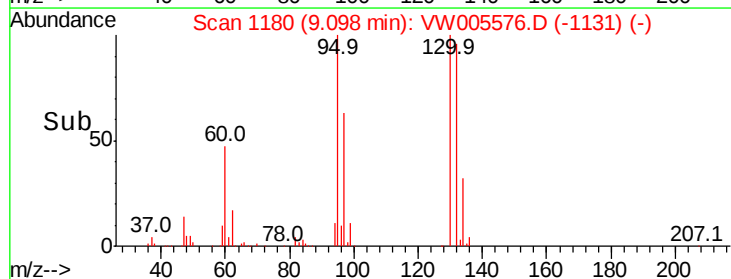
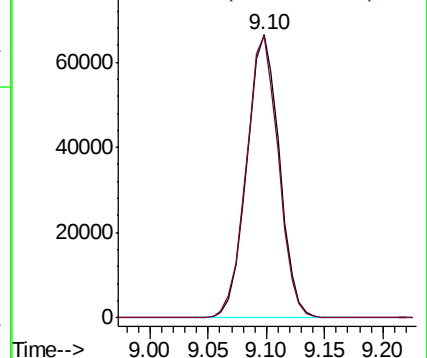
130 100

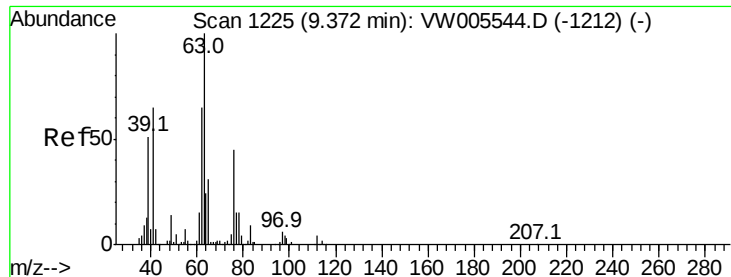
95 99.7 0.0 191.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW

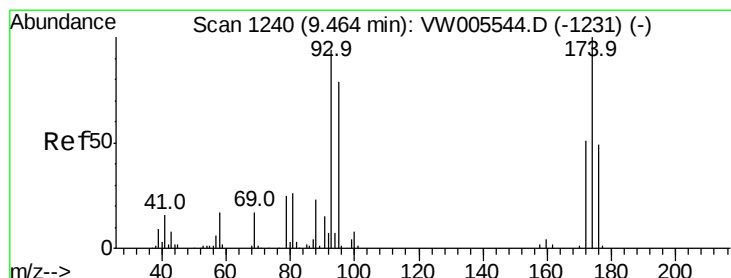
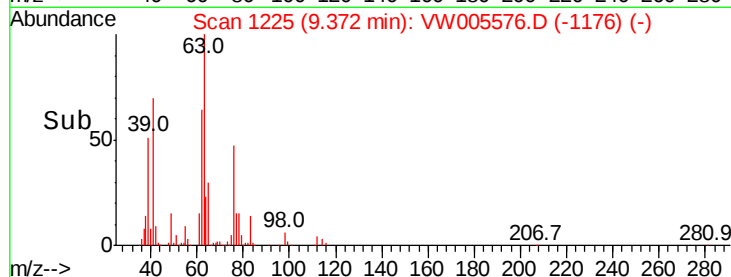
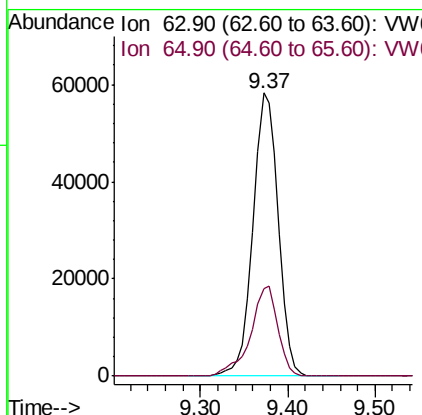
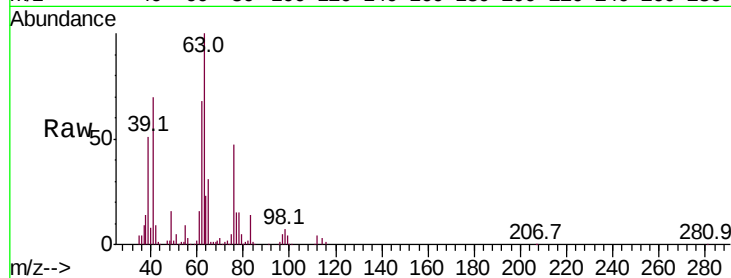




#45
 1,2-Dichloropropane
 Concen: 48.993 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.00 min
 Lab File: VW005576.D
 Acq: 24 Sep 2018 11:04

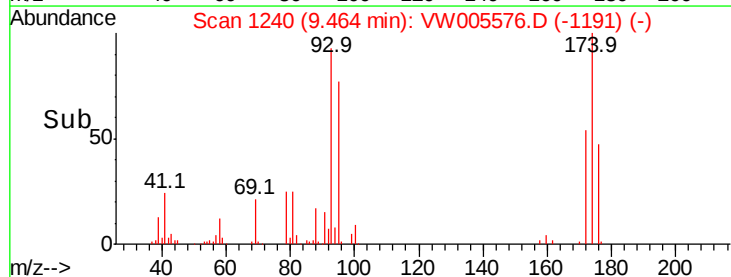
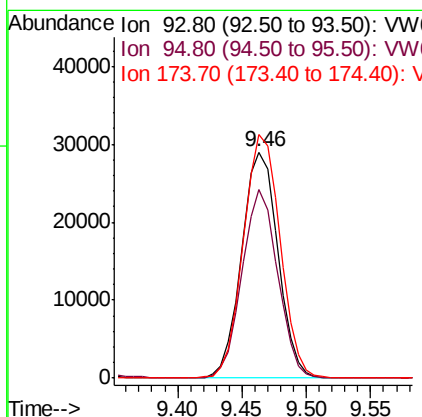
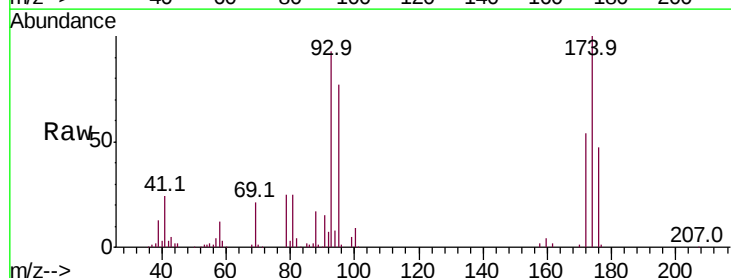
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

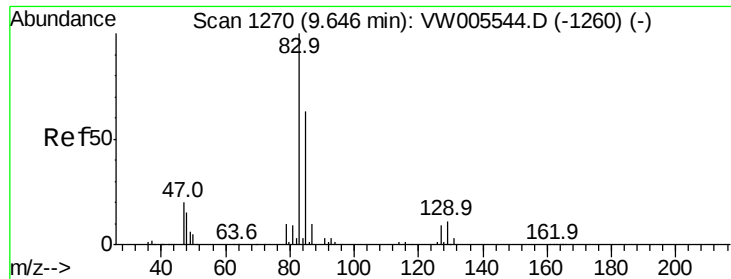
Tot Ion: 63 Resp: 116966
 Ion Ratio Lower Upper
 63 100
 65 30.8 24.7 37.1



#46
 Dibromomethane
 Concen: 47.379 ug/l
 RT: 9.46 min Scan# 1240
 Delta R.T. 0.00 min
 Lab File: VW005576.D
 Acq: 24 Sep 2018 11:04

Tgt Ion: 93 Resp: 56517
 Ion Ratio Lower Upper
 93 100
 95 81.9 65.8 98.8
 174 109.4 84.0 126.0

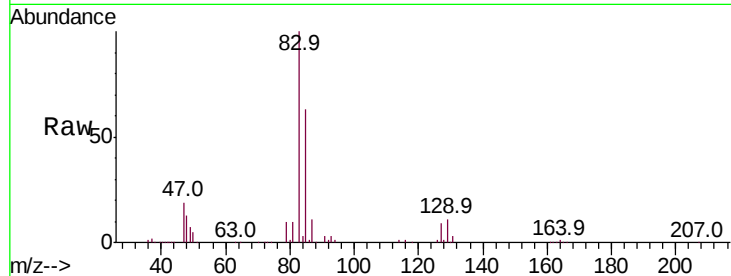




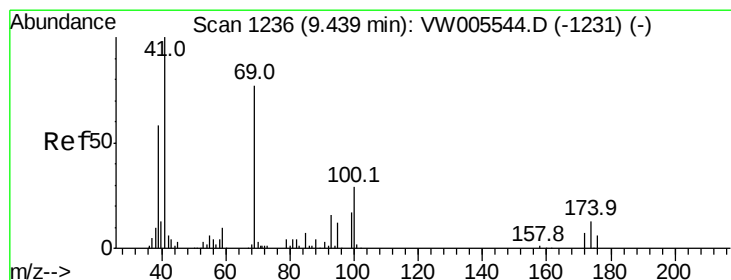
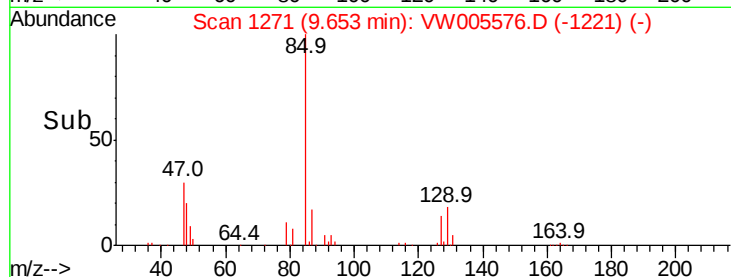
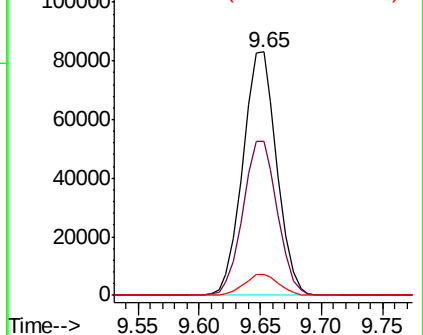
#47
Bromodichloromethane
Concen: 49.909 ug/l
RT: 9.65 min Scan# 1271
Delta R.T. 0.01 min
Lab File: VW005576.D
Acq: 24 Sep 2018 11:04

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 83 Resp: 159928
Ion Ratio Lower Upper
83 100
85 63.1 50.5 75.7
127 8.5 7.0 10.6

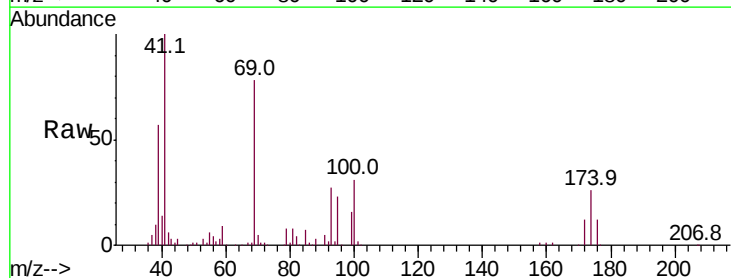


Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 84.90 (84.60 to 85.60): VW
Ion 126.80 (126.50 to 127.50): V

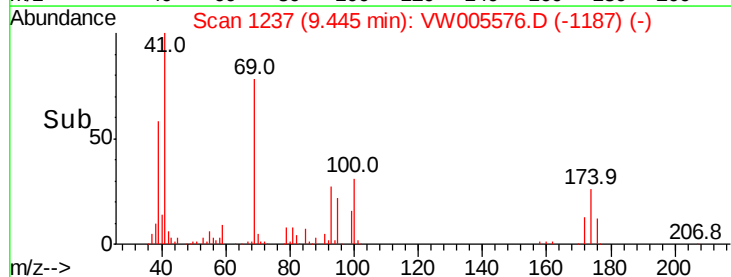
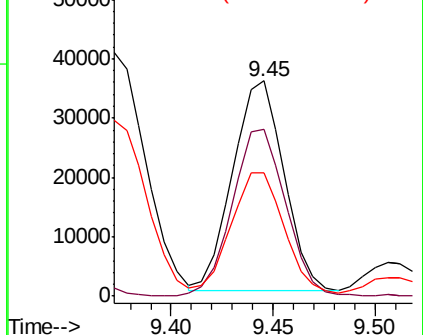


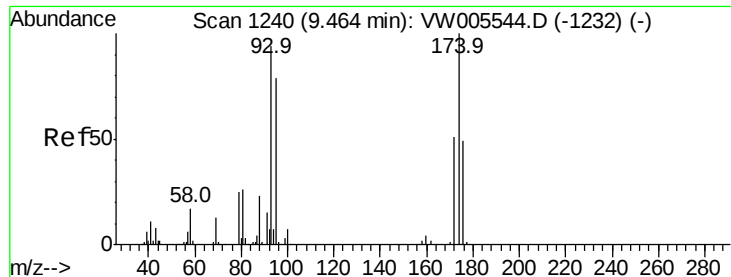
#48
Methyl methacrylate
Concen: 45.863 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. 0.01 min
Lab File: VW005576.D
Acq: 24 Sep 2018 11:04

Tgt Ion: 41 Resp: 61730
Ion Ratio Lower Upper
41 100
69 83.3 64.7 97.1
39 58.4 50.5 75.7



Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 39.00 (38.70 to 39.70): VW





#49

1,4-Dioxane

Concen: 981.534 ug/l

RT: 9.48 min Scan# 1243

Delta R.T. 0.02 min

Lab File: VW005576.D

Acq: 24 Sep 2018 11:04

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

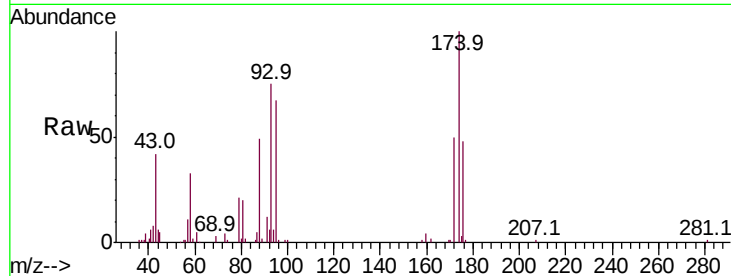
Tot Ion: 88 Resp: 18615

Ion Ratio Lower Upper

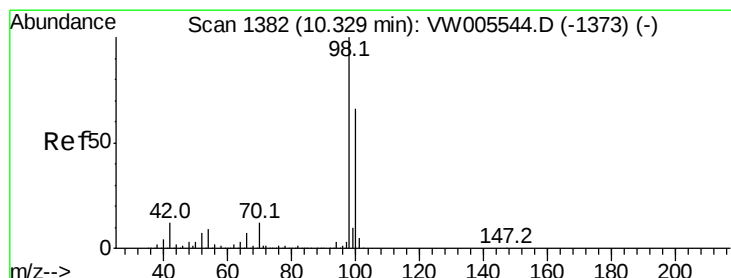
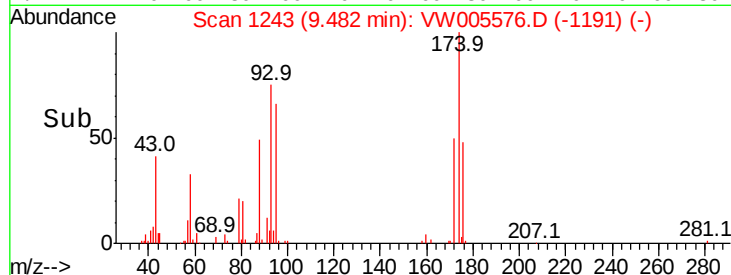
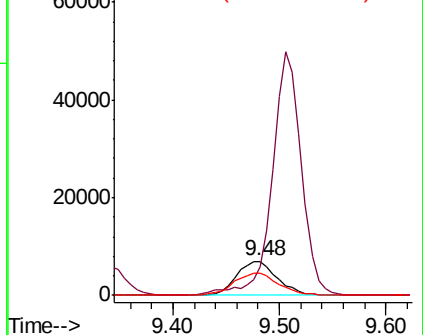
88 100

43 0.0 0.0 0.0

58 73.2 61.2 91.8



Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW



#50

Toluene-d8

Concen: 51.797 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VW005576.D

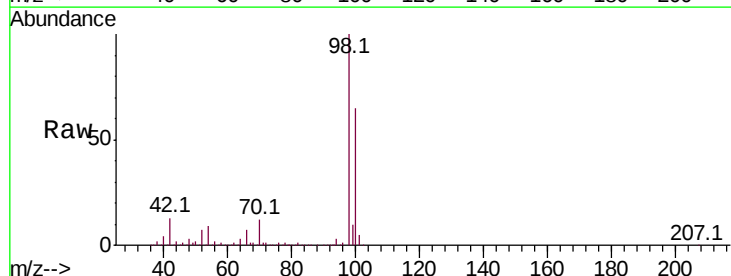
Acq: 24 Sep 2018 11:04

Tgt Ion: 98 Resp: 451252

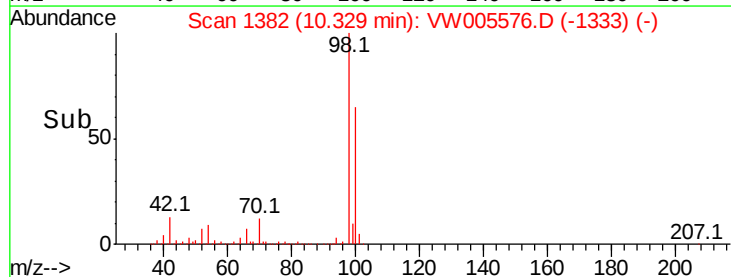
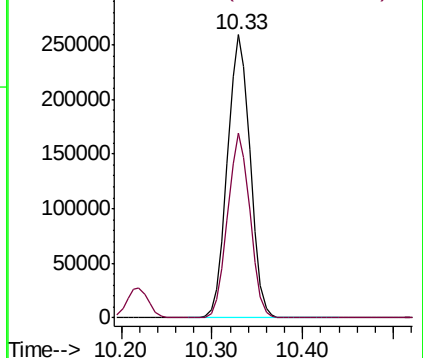
Ion Ratio Lower Upper

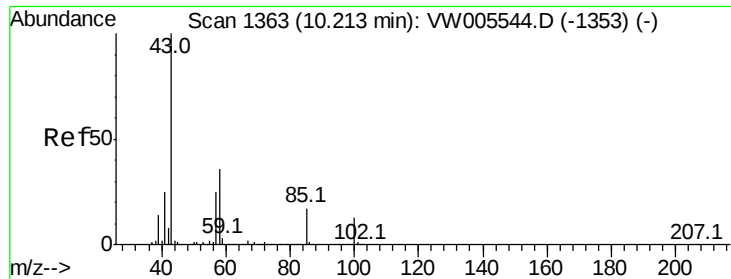
98 100

100 63.9 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): VW





#51

4-Methyl-2-Pentanone

Concen: 216.531 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW005576.D

Acq: 24 Sep 2018 11:04

Instrument :

MSVOA_W

ClientSampleId :

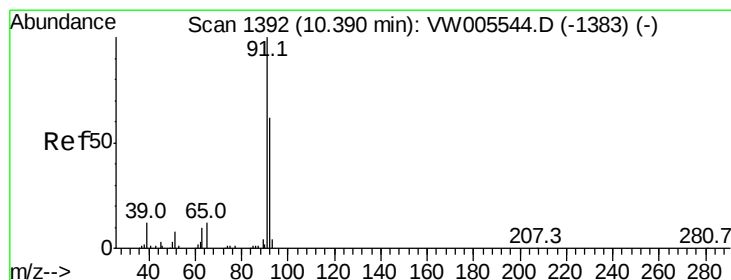
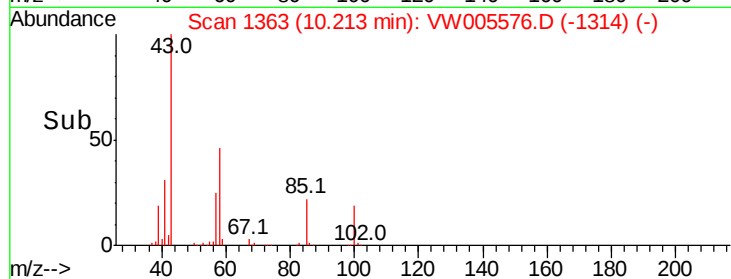
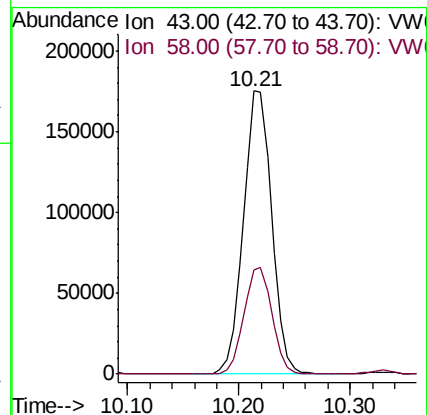
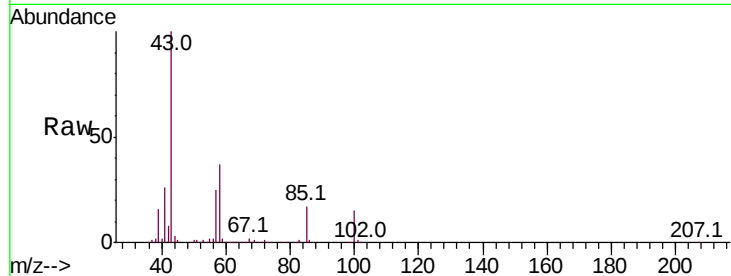
VSTDCCC050

Tot Ion: 43 Resp: 309046

Ion Ratio Lower Upper

43 100

58 37.5 30.0 45.0



#52

Toluene

Concen: 52.360 ug/l

RT: 10.40 min Scan# 1393

Delta R.T. 0.01 min

Lab File: VW005576.D

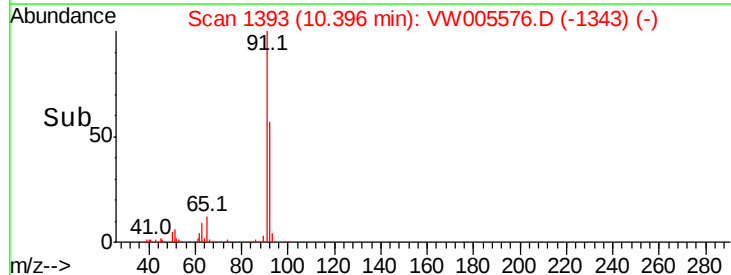
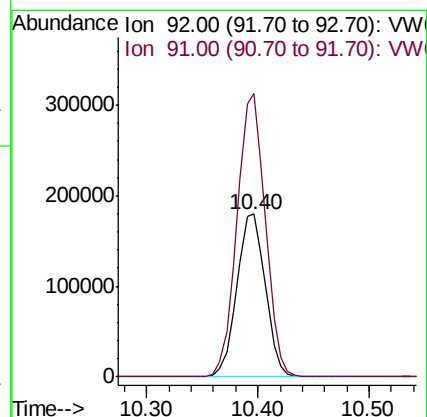
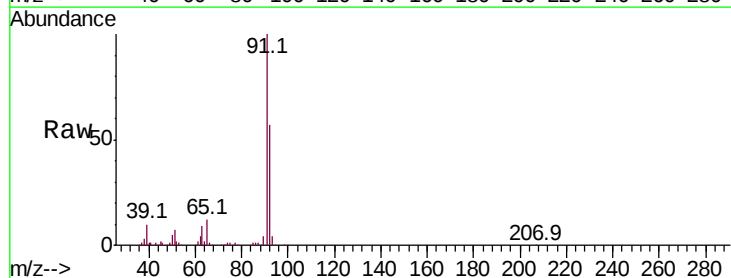
Acq: 24 Sep 2018 11:04

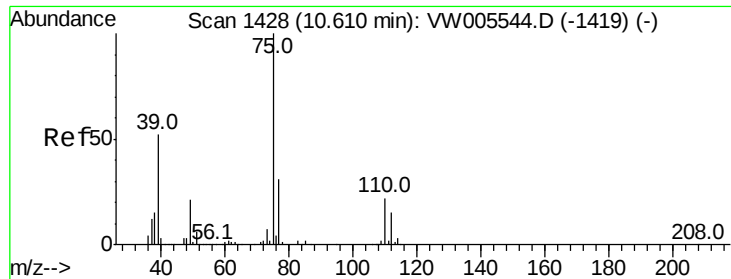
Tgt Ion: 92 Resp: 317043

Ion Ratio Lower Upper

92 100

91 173.0 137.1 205.7

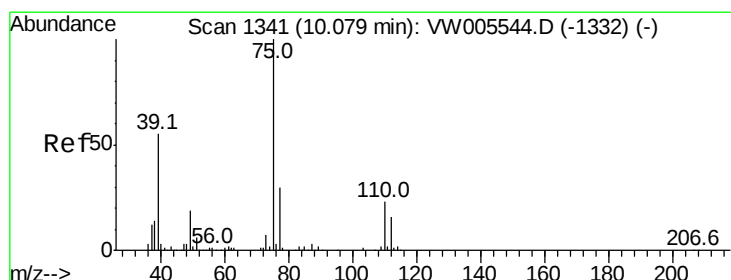
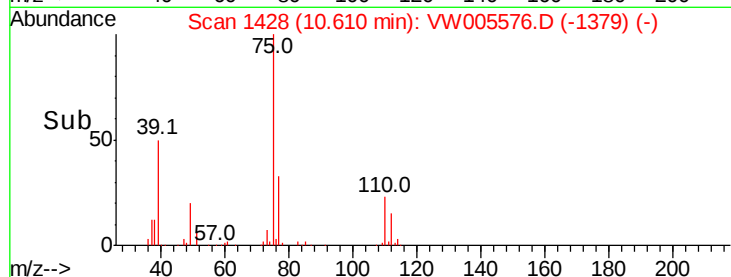
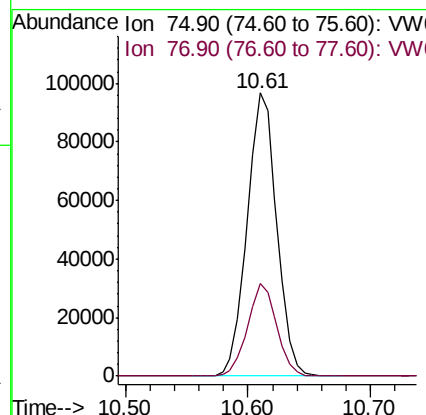
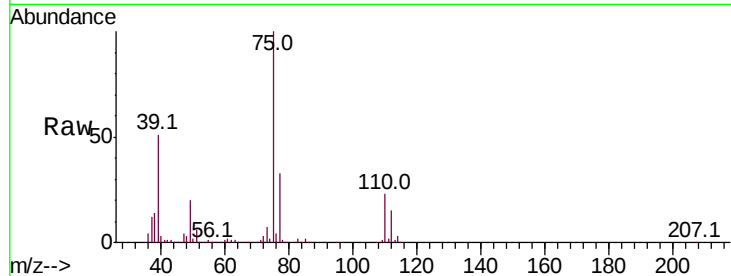




#53
t-1,3-Dichloropropene
Concen: 50.640 ug/l
RT: 10.61 min Scan# 1428
Delta R.T. 0.00 min
Lab File: VW005576.D
Acq: 24 Sep 2018 11:04

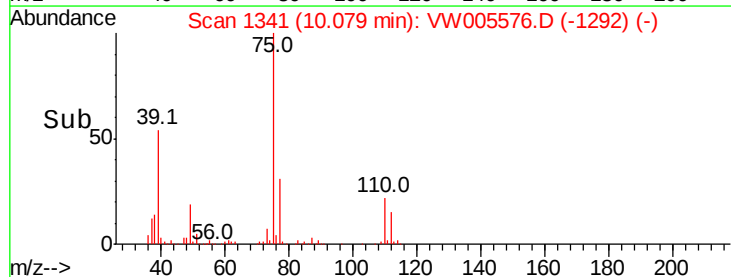
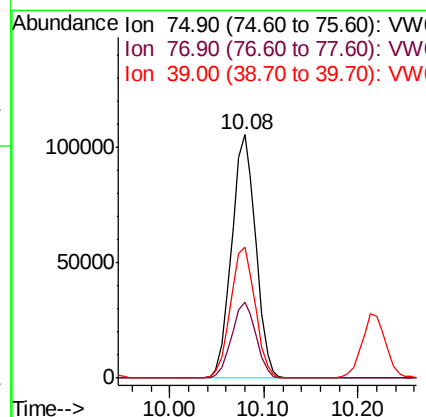
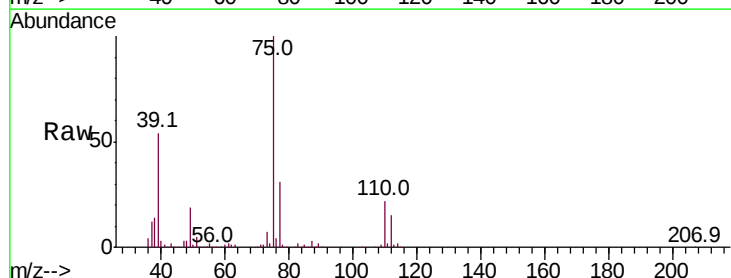
Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050

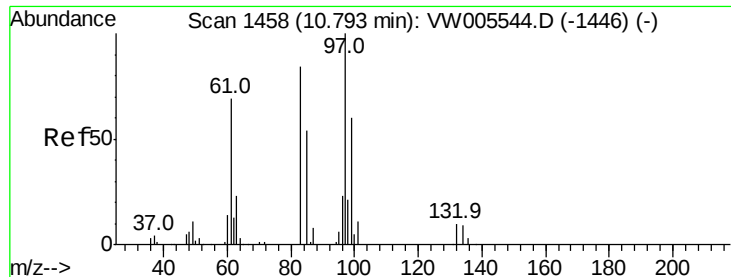
Tot Ion: 75 Resp: 162673
Ion Ratio Lower Upper
75 100
77 32.7 24.6 37.0



#54
cis-1,3-Dichloropropene
Concen: 51.872 ug/l
RT: 10.08 min Scan# 1341
Delta R.T. 0.00 min
Lab File: VW005576.D
Acq: 24 Sep 2018 11:04

Tgt Ion: 75 Resp: 186698
Ion Ratio Lower Upper
75 100
77 31.2 24.3 36.5
39 53.7 43.7 65.5

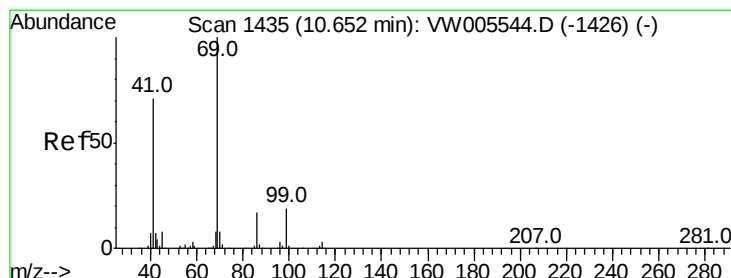
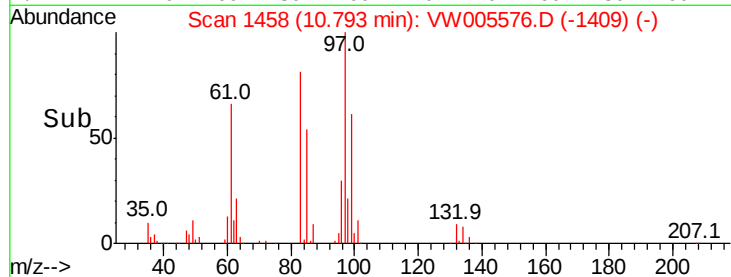
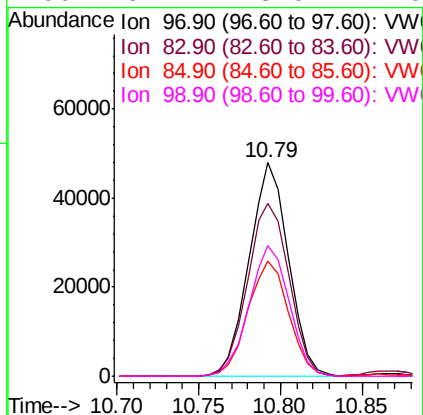
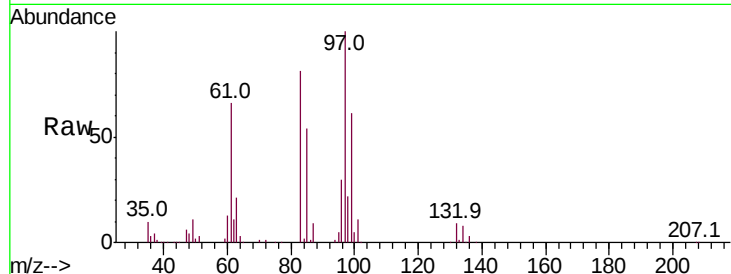




#55
 1,1,2-Trichloroethane
 Concen: 47.570 ug/l
 RT: 10.79 min Scan# 1458
 Delta R.T. 0.00 min
 Lab File: VW005576.D
 Acq: 24 Sep 2018 11:04

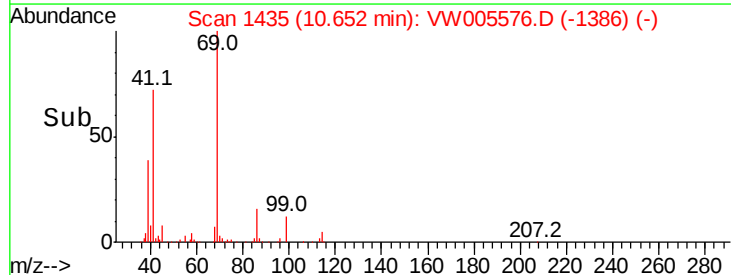
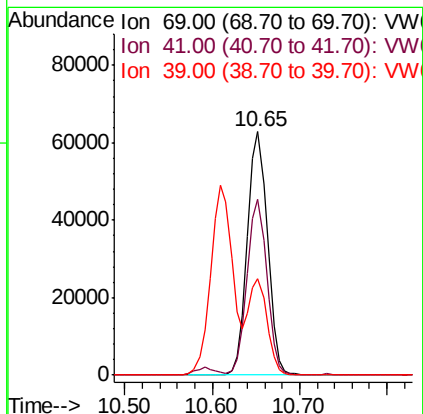
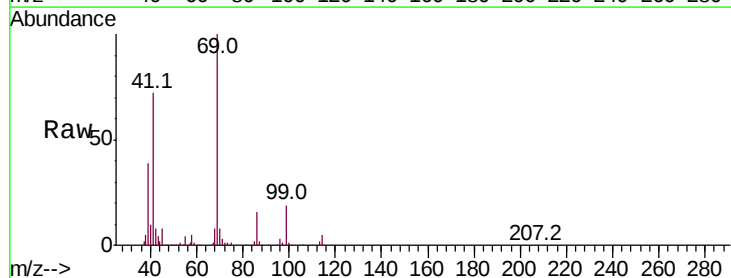
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

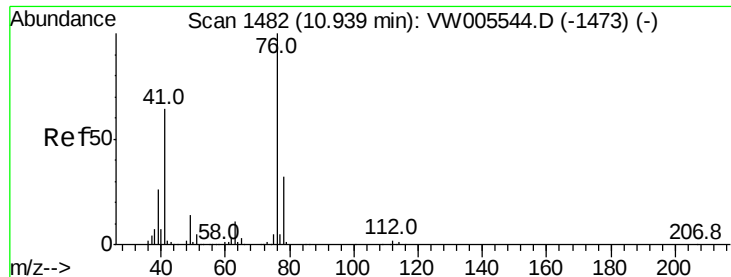
Tot Ion:	97	Resp:	80549
Ion	Ratio	Lower	Upper
97	100		
83	80.9	67.4	101.2
85	54.0	43.3	64.9
99	61.2	48.0	72.0



#56
 Ethyl methacrylate
 Concen: 48.148 ug/l
 RT: 10.65 min Scan# 1435
 Delta R.T. 0.00 min
 Lab File: VW005576.D
 Acq: 24 Sep 2018 11:04

Tgt Ion:	69	Resp:	100642
Ion	Ratio	Lower	Upper
69	100		
41	70.9	57.3	85.9
39	36.7	29.2	43.8





#57

1,3-Dichloropropane

Concen: 46.910 ug/l

RT: 10.94 min Scan# 1482

Delta R.T. 0.00 min

Lab File: VW005576.D

Acq: 24 Sep 2018 11:04

Instrument :

MSVOA_W

ClientSampleId :

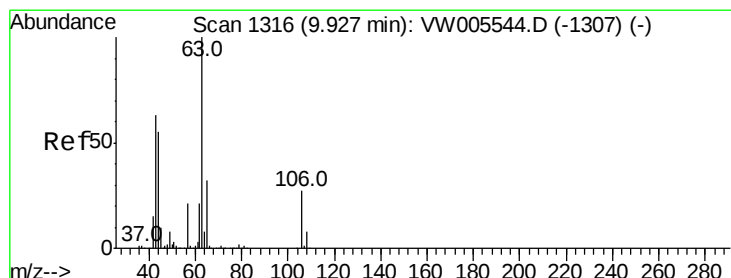
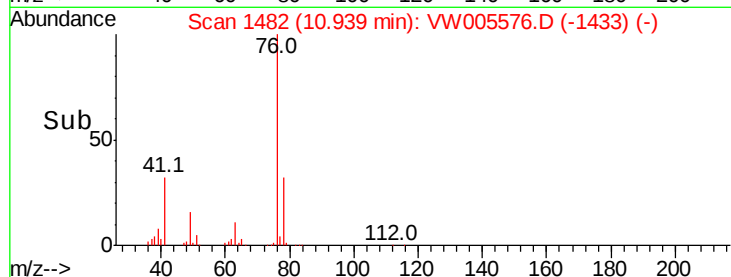
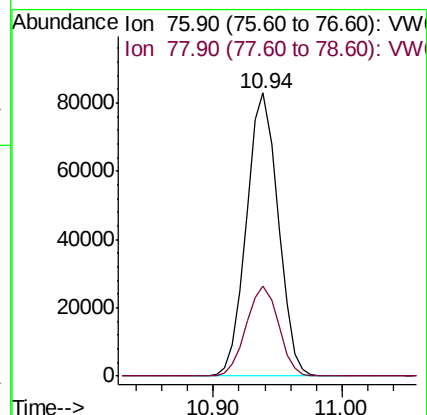
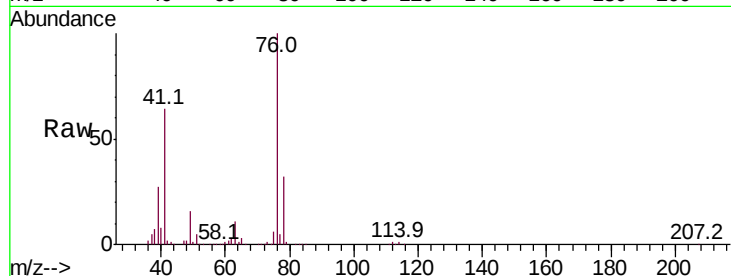
VSTDCCC050

Tot Ion: 76 Resp: 140778

Ion Ratio Lower Upper

76 100

78 32.3 25.6 38.4



#58

2-Chloroethyl Vinyl ether

Concen: 240.153 ug/l

RT: 9.93 min Scan# 1317

Delta R.T. 0.01 min

Lab File: VW005576.D

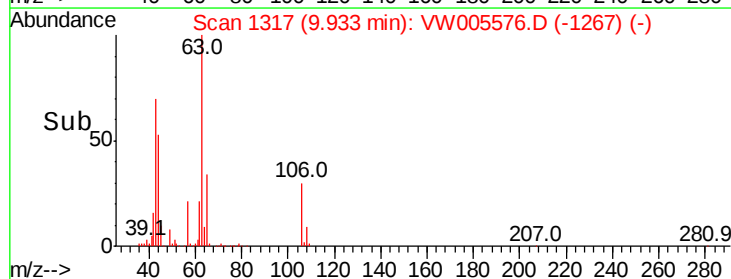
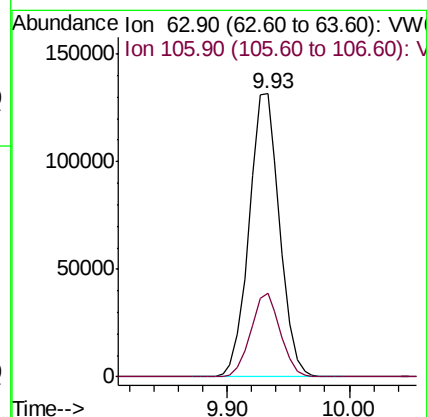
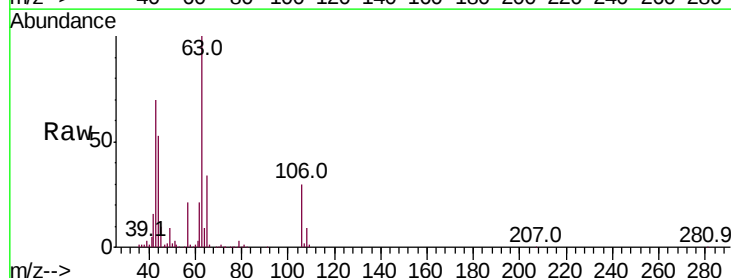
Acq: 24 Sep 2018 11:04

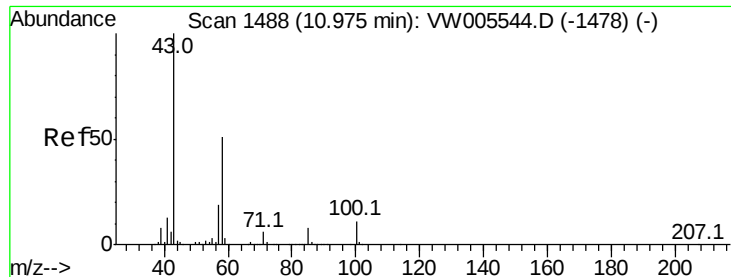
Tgt Ion: 63 Resp: 227551

Ion Ratio Lower Upper

63 100

106 28.7 21.6 32.4

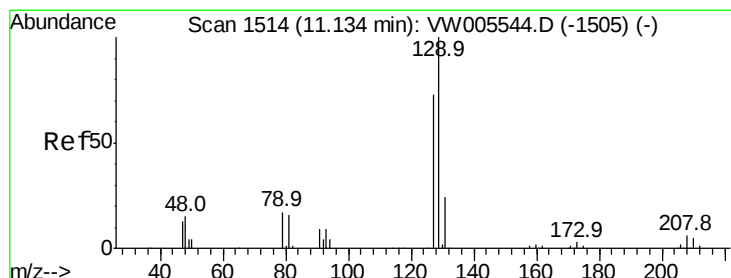
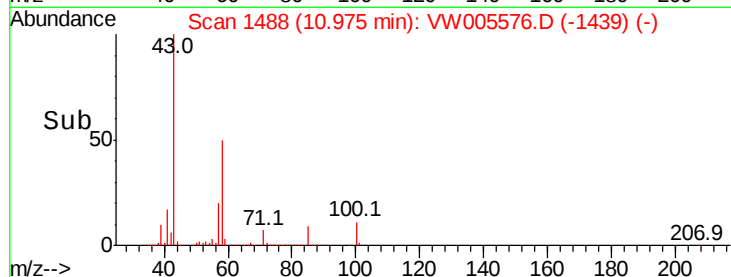
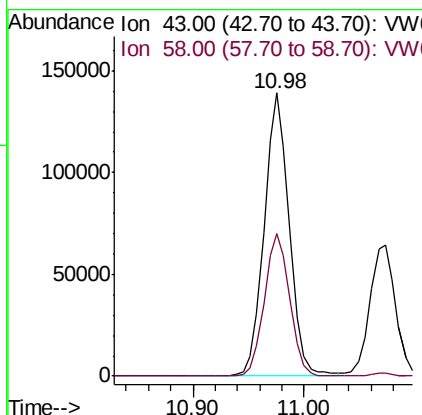
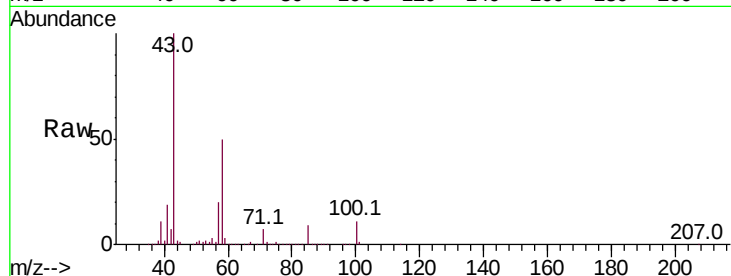




#59
2-Hexanone
Concen: 224.927 ug/l
RT: 10.98 min Scan# 1488
Delta R.T. 0.00 min
Lab File: VW005576.D
Acq: 24 Sep 2018 11:04

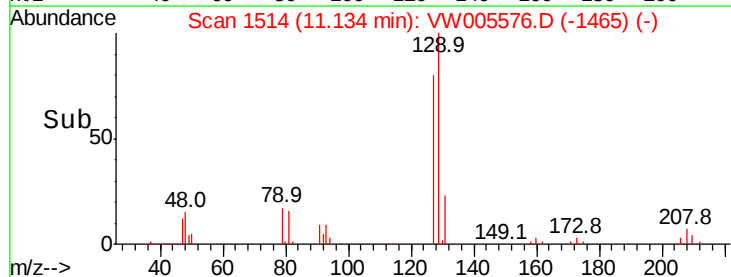
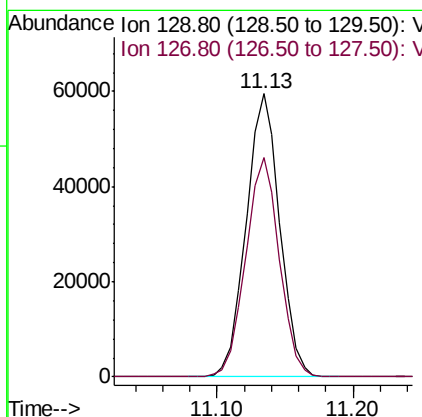
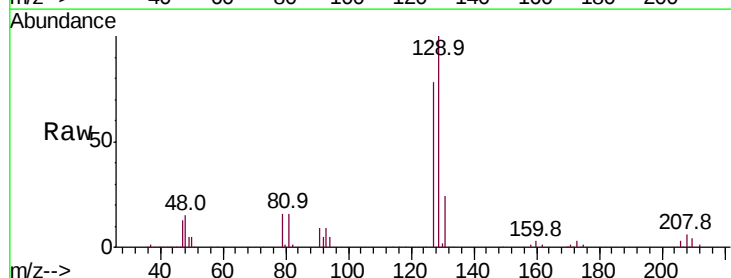
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

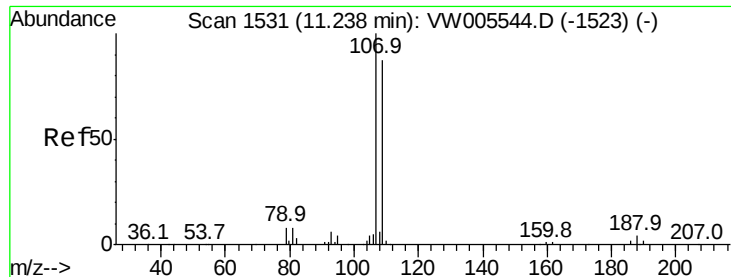
Tot Ion: 43 Resp: 218084
Ion Ratio Lower Upper
43 100
58 50.8 25.3 75.9



#60
Dibromochloromethane
Concen: 50.186 ug/l
RT: 11.13 min Scan# 1514
Delta R.T. 0.00 min
Lab File: VW005576.D
Acq: 24 Sep 2018 11:04

Tgt Ion: 129 Resp: 102676
Ion Ratio Lower Upper
129 100
127 77.6 38.5 115.5





#61

1,2-Dibromoethane

Concen: 47.292 ug/l

RT: 11.24 min Scan# 1532

Delta R.T. 0.01 min

Lab File: VW005576.D

Acq: 24 Sep 2018 11:04

Instrument :

MSVOA_W

ClientSampleId :

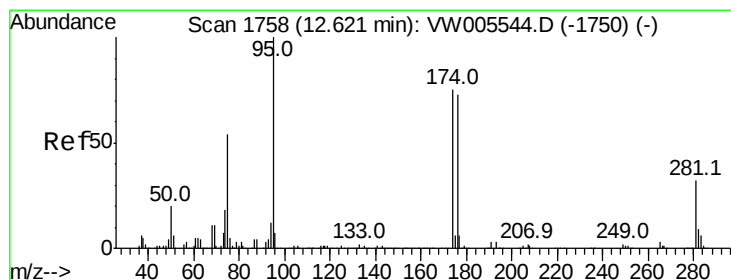
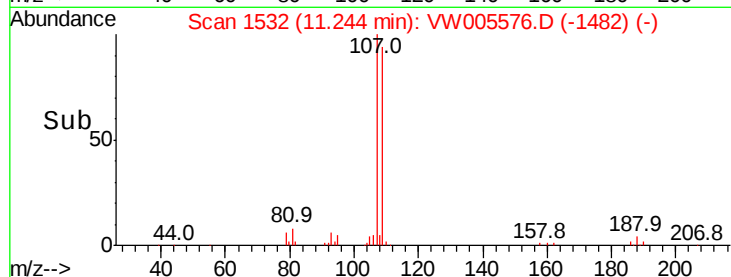
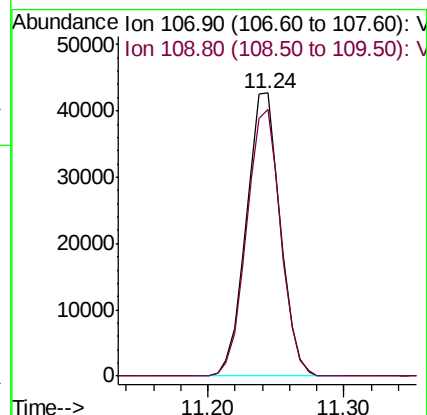
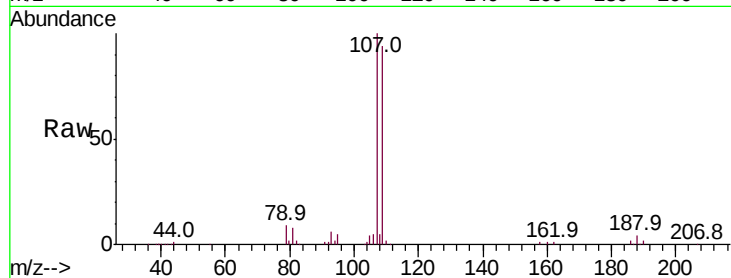
VSTDCCC050

Tot Ion:107 Resp: 74661

Ion Ratio Lower Upper

107 100

109 94.5 73.4 110.0



#62

4-Bromofluorobenzene

Concen: 49.533 ug/l

RT: 12.63 min Scan# 1759

Delta R.T. 0.01 min

Lab File: VW005576.D

Acq: 24 Sep 2018 11:04

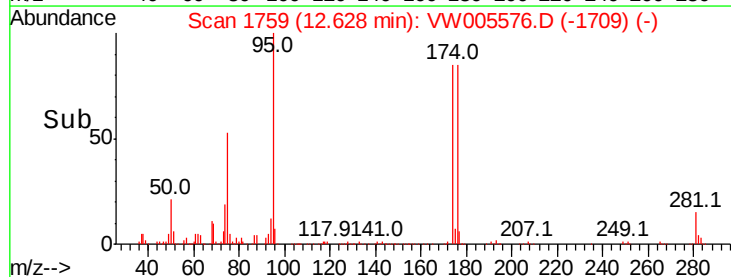
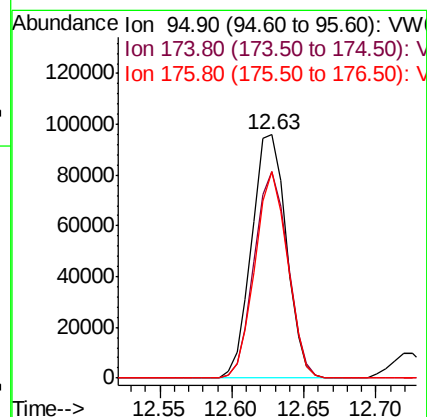
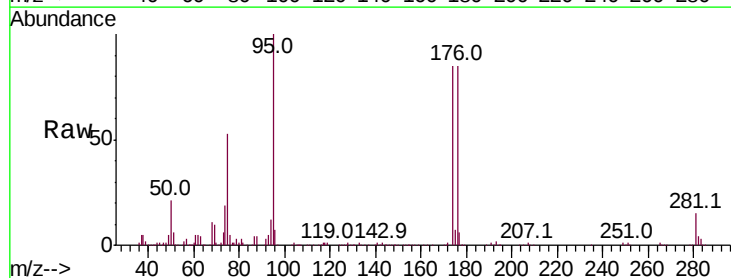
Tgt Ion: 95 Resp: 159676

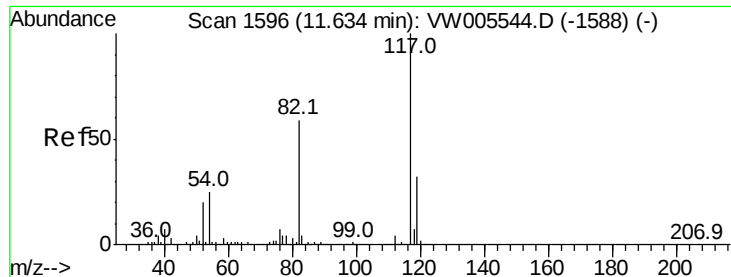
Ion Ratio Lower Upper

95 100

174 82.5 0.0 163.8

176 80.1 0.0 158.0

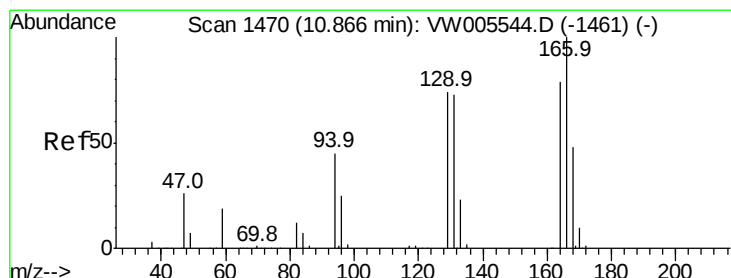
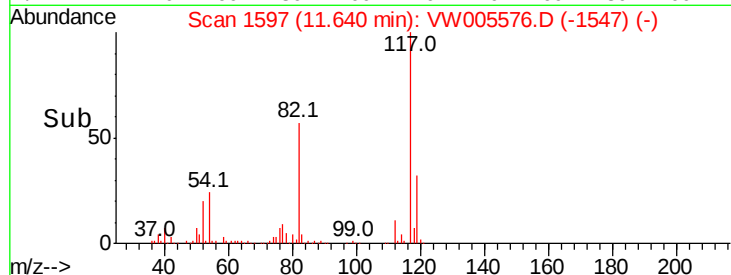
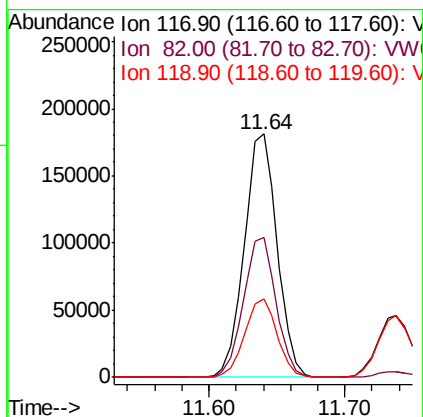
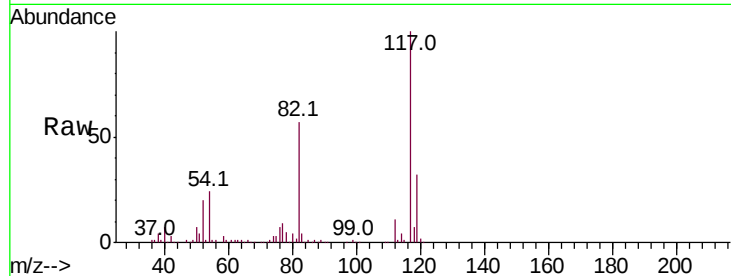




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1597
Delta R.T. 0.01 min
Lab File: VW005576.D
Acq: 24 Sep 2018 11:04

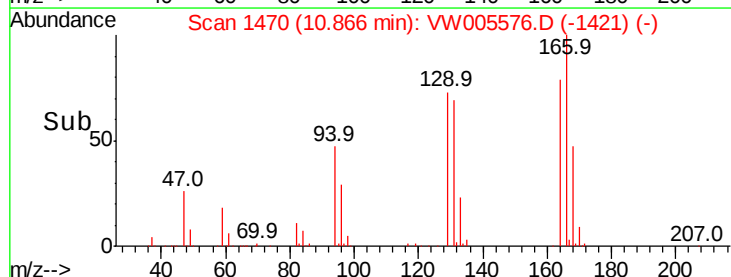
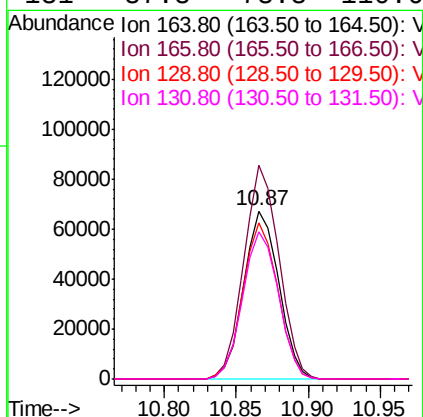
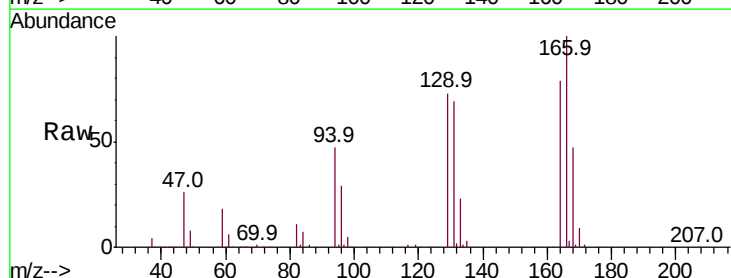
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

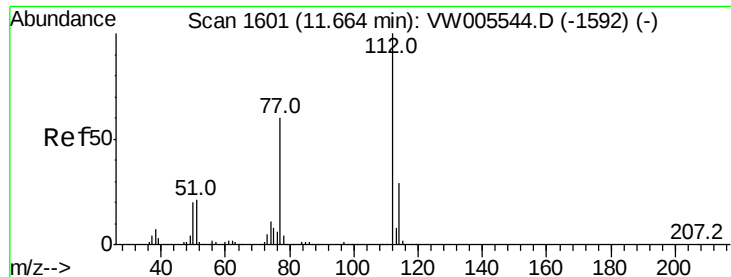
Tot Ion:117 Resp: 306265
Ion Ratio Lower Upper
117 100
82 57.5 46.9 70.3
119 32.1 25.7 38.5



#64
Tetrachloroethene
Concen: 52.273 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VW005576.D
Acq: 24 Sep 2018 11:04

Tgt Ion:164 Resp: 113625
Ion Ratio Lower Upper
164 100
166 127.0 101.1 151.7
129 92.9 74.4 111.6
131 87.8 73.8 110.6

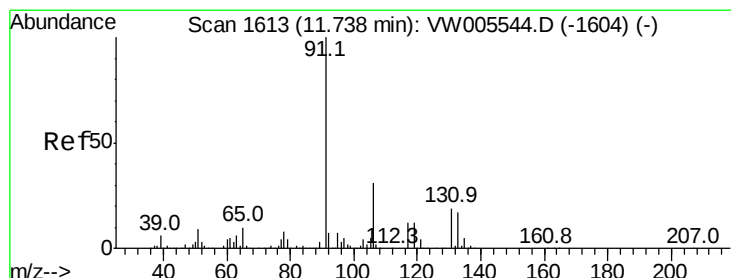
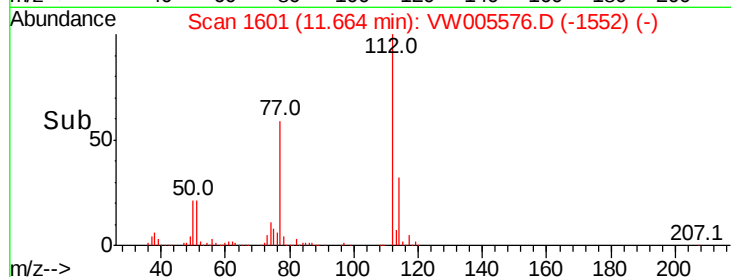
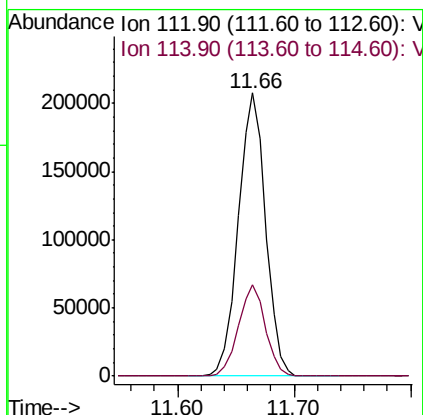
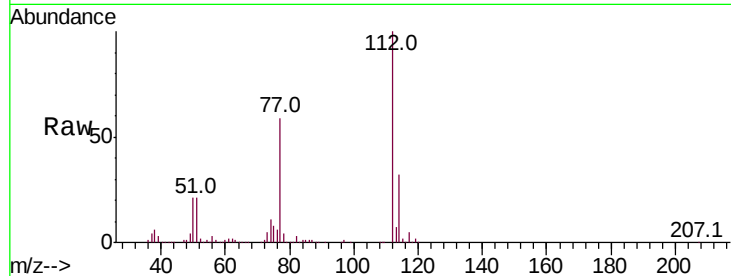




#65
Chlorobenzene
Concen: 51.918 ug/l
RT: 11.66 min Scan# 1601
Delta R.T. 0.00 min
Lab File: VW005576.D
Acq: 24 Sep 2018 11:04

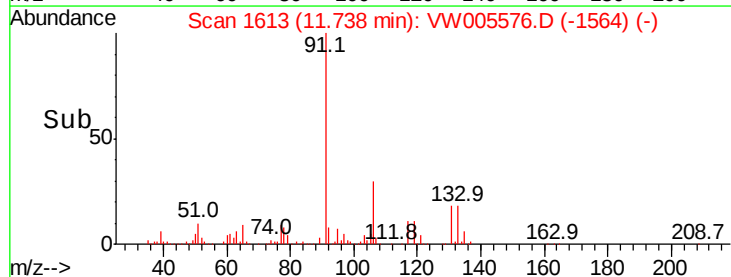
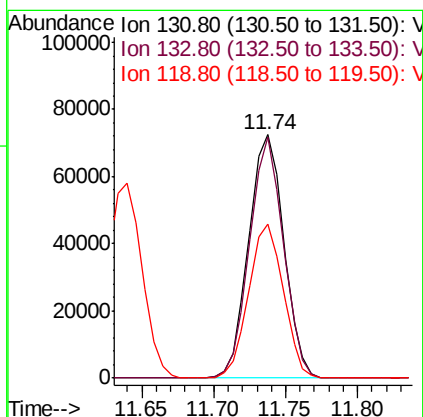
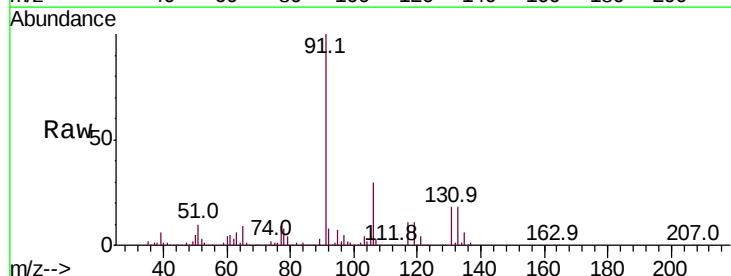
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

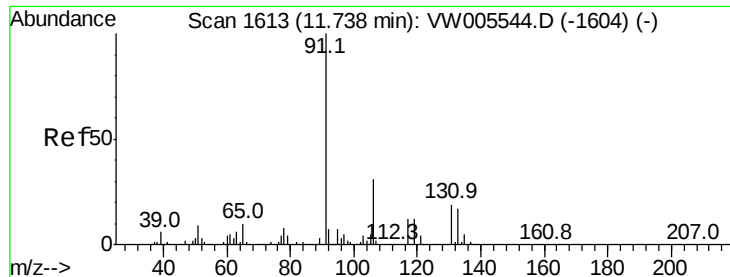
Tot Ion:112 Resp: 337555
Ion Ratio Lower Upper
112 100
114 32.5 22.9 34.3



#66
1,1,1,2-Tetrachloroethane
Concen: 52.400 ug/l
RT: 11.74 min Scan# 1613
Delta R.T. 0.00 min
Lab File: VW005576.D
Acq: 24 Sep 2018 11:04

Tgt Ion:131 Resp: 122616
Ion Ratio Lower Upper
131 100
133 95.3 47.2 141.6
119 62.4 31.1 93.2

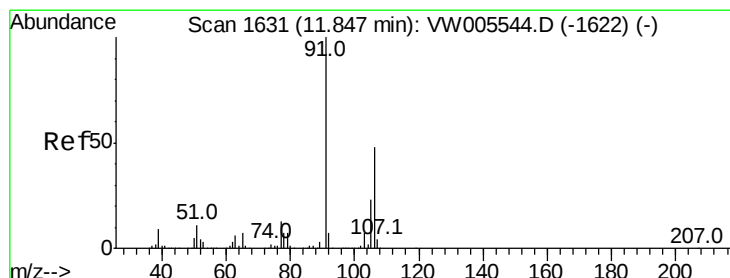
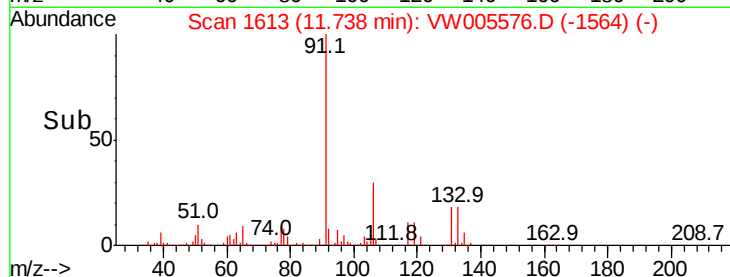
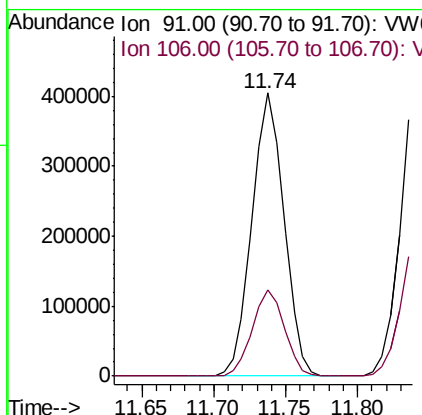
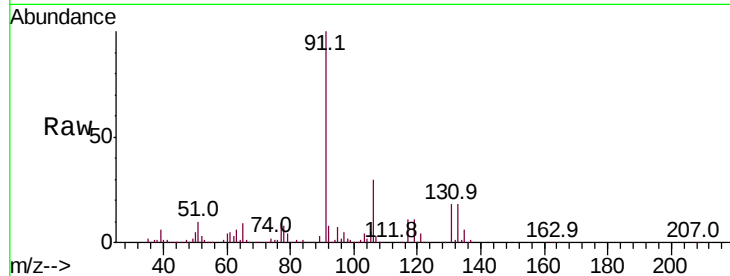




#67
Ethyl Benzene
Concen: 54.017 ug/l
RT: 11.74 min Scan# 1613
Delta R.T. 0.00 min
Lab File: VW005576.D
Acq: 24 Sep 2018 11:04

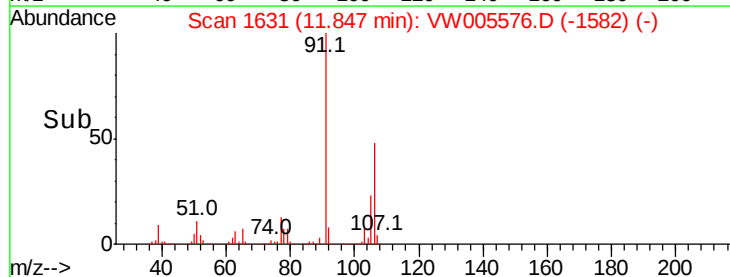
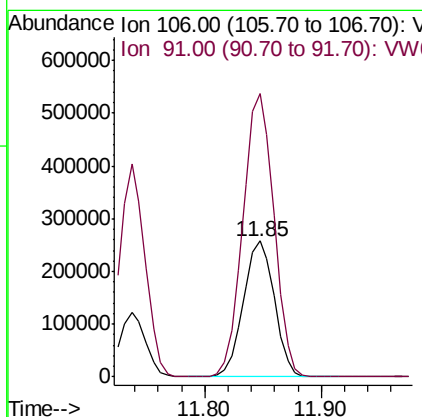
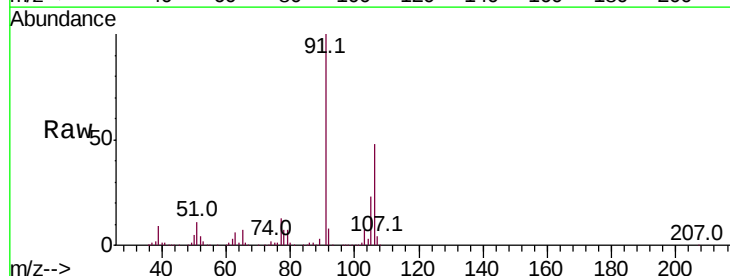
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

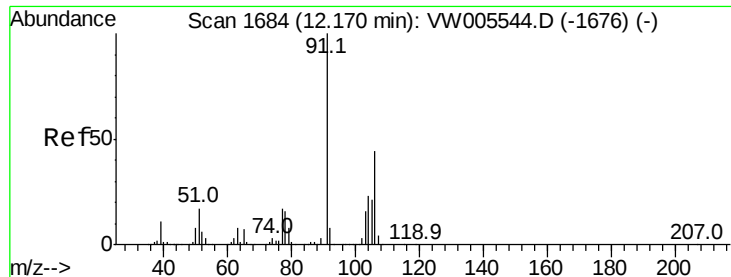
Tot Ion: 91 Resp: 623385
Ion Ratio Lower Upper
91 100
106 30.3 24.4 36.6



#68
m/p-Xylenes
Concen: 110.066 ug/l
RT: 11.85 min Scan# 1631
Delta R.T. 0.00 min
Lab File: VW005576.D
Acq: 24 Sep 2018 11:04

Tgt Ion:106 Resp: 479889
Ion Ratio Lower Upper
106 100
91 208.5 167.8 251.8

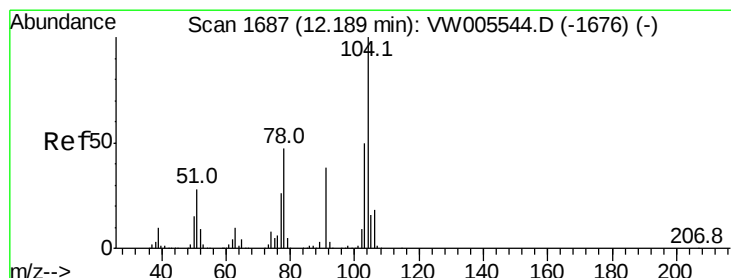
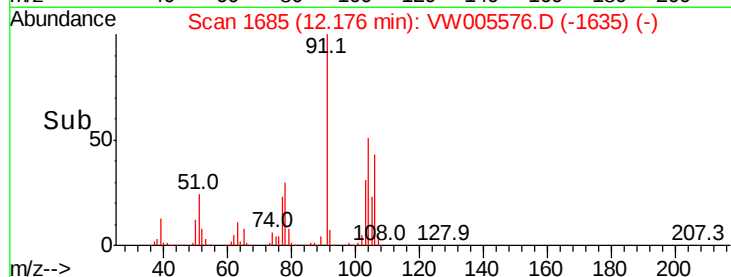
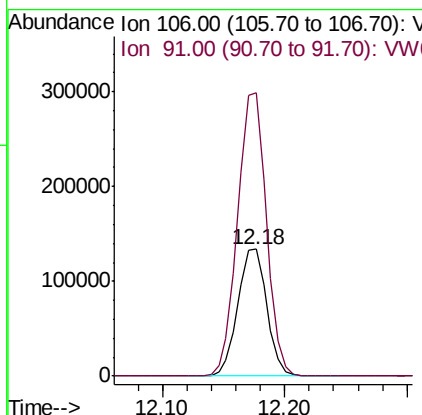
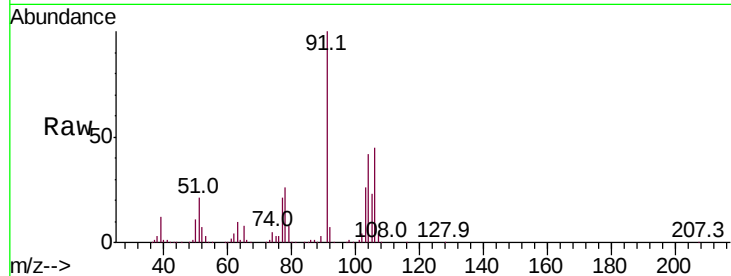




#69
o-Xylene
Concen: 54.009 ug/l
RT: 12.18 min Scan# 1685
Delta R.T. 0.01 min
Lab File: VW005576.D
Acq: 24 Sep 2018 11:04

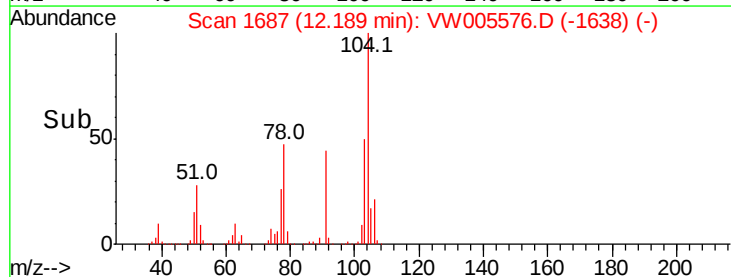
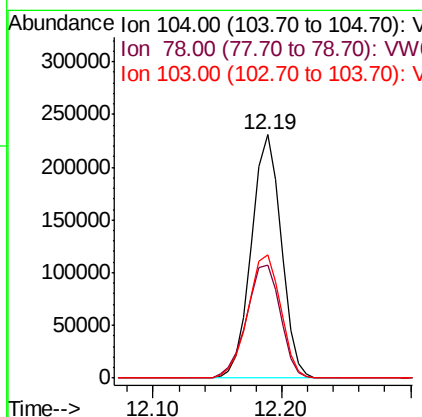
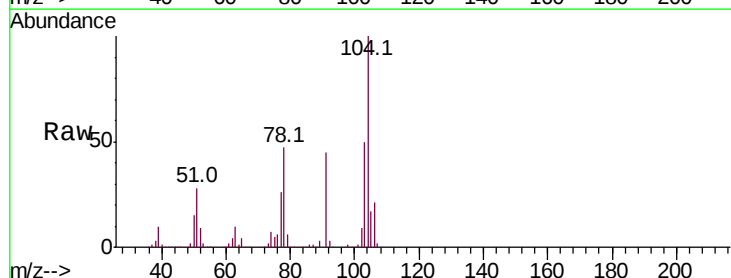
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

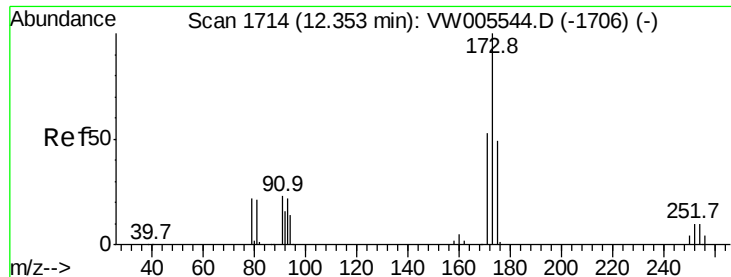
Tot Ion:106 Resp: 220535
Ion Ratio Lower Upper
106 100
91 220.9 111.0 333.0



#70
Styrene
Concen: 53.706 ug/l
RT: 12.19 min Scan# 1687
Delta R.T. 0.00 min
Lab File: VW005576.D
Acq: 24 Sep 2018 11:04

Tgt Ion:104 Resp: 369053
Ion Ratio Lower Upper
104 100
78 52.9 42.2 63.4
103 55.7 44.6 66.8





#71

Bromoform

Concen: 49.513 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VW005576.D

Acq: 24 Sep 2018 11:04

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

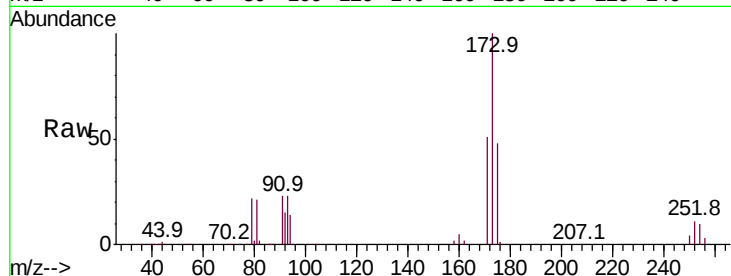
Tot Ion:173 Resp: 61500

Ion Ratio Lower Upper

173 100

175 48.1 24.3 72.9

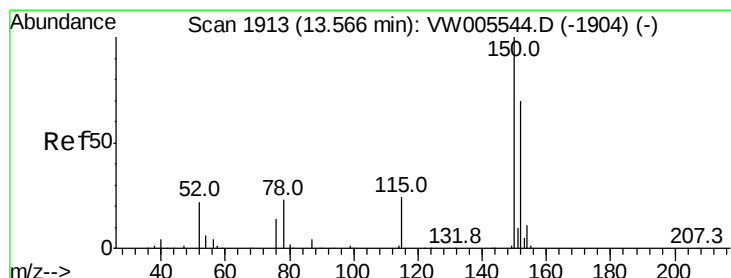
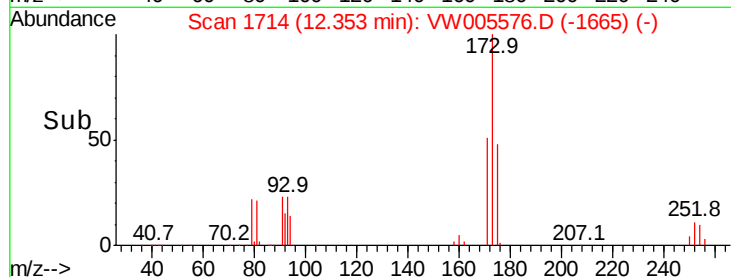
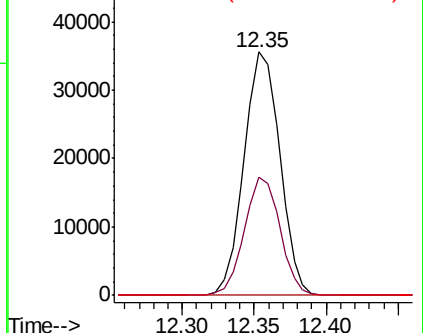
254 0.1 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1913

Delta R.T. 0.00 min

Lab File: VW005576.D

Acq: 24 Sep 2018 11:04

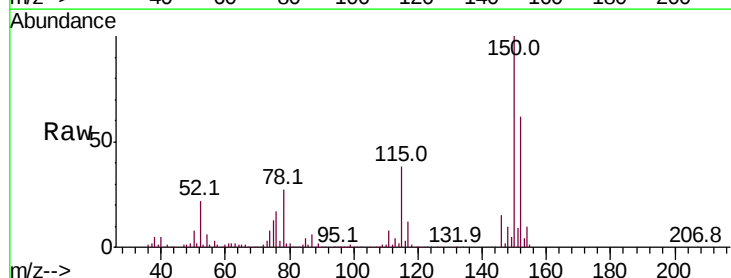
Tgt Ion:152 Resp: 164548

Ion Ratio Lower Upper

152 100

115 59.7 30.0 90.0

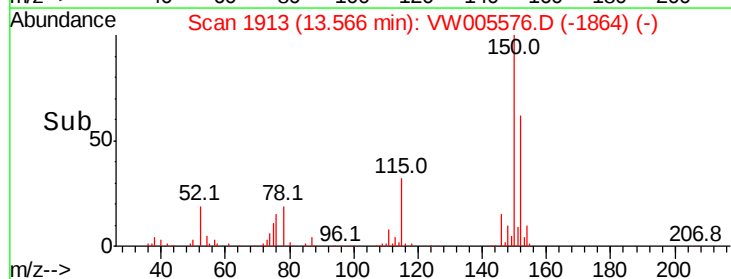
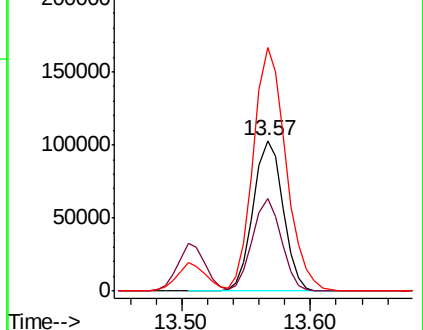
150 176.7 0.0 348.6

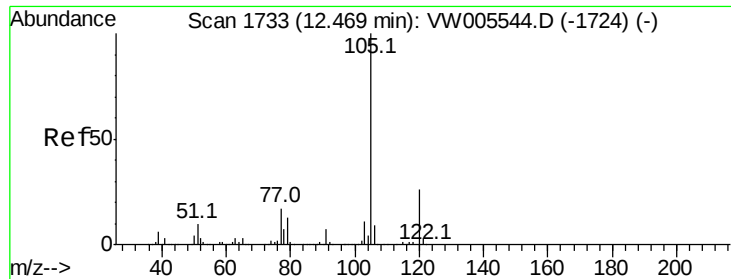


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 56.441 ug/l

RT: 12.48 min Scan# 1734

Delta R.T. 0.01 min

Lab File: VW005576.D

Acq: 24 Sep 2018 11:04

Instrument :

MSVOA_W

ClientSampleId :

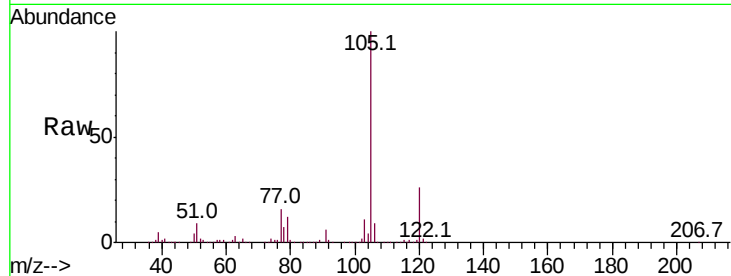
VSTDCCC050

Tot Ion:105 Resp: 644049

Ion Ratio Lower Upper

105 100

120 25.7 12.9 38.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.48

400000

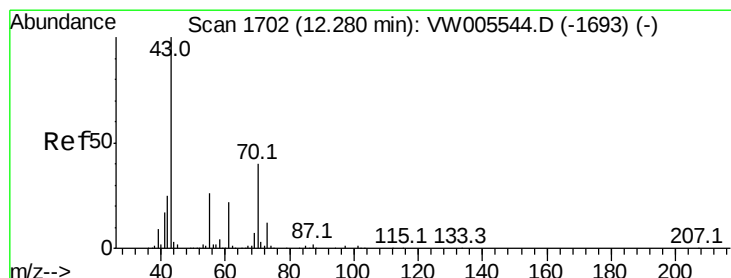
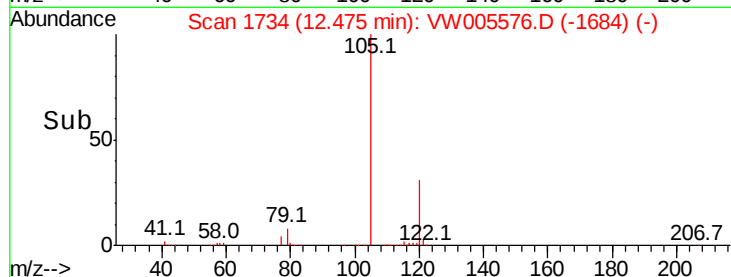
300000

200000

100000

0

Time-->



#74

N-ethyl acetate

Concen: 45.000 ug/l

RT: 12.28 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VW005576.D

Acq: 24 Sep 2018 11:04

Tgt Ion: 43 Resp: 116275

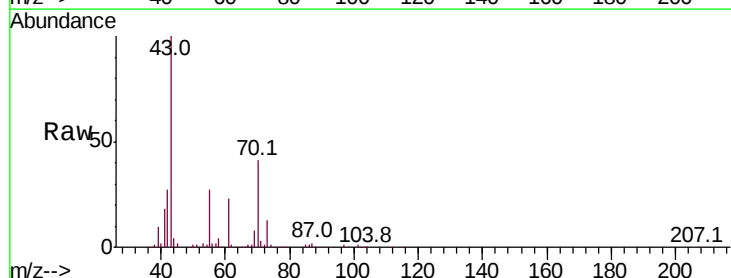
Ion Ratio Lower Upper

43 100

70 41.1 31.4 47.0

55 27.6 20.9 31.3

61 22.7 17.8 26.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW

120000

100000

80000

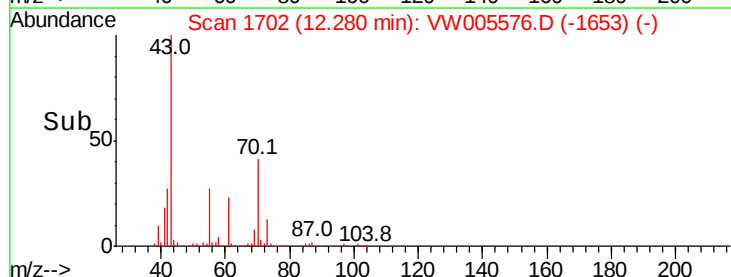
60000

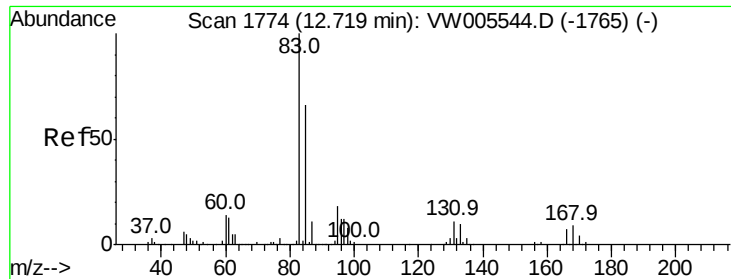
40000

20000

0

Time-->

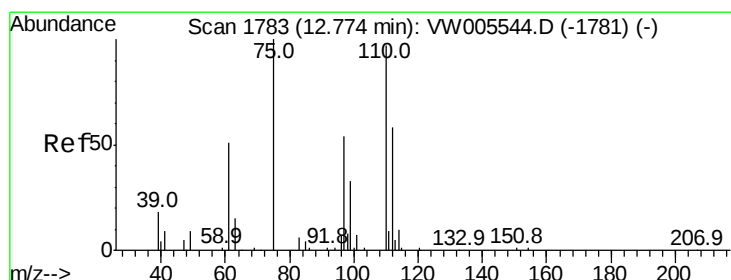
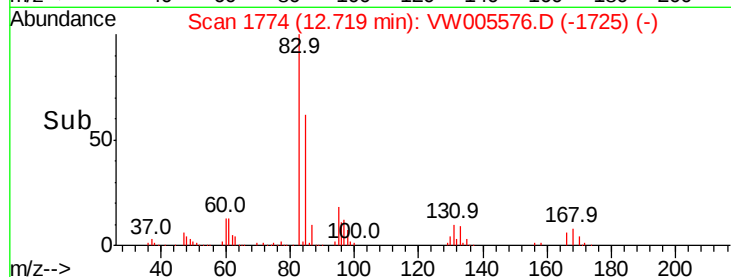
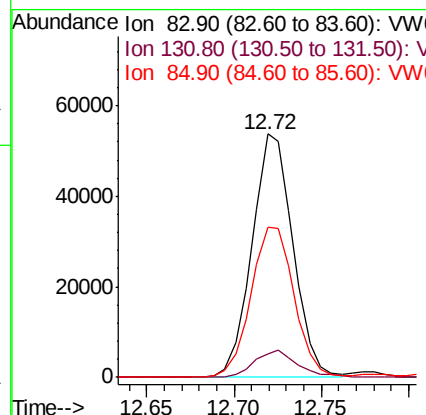
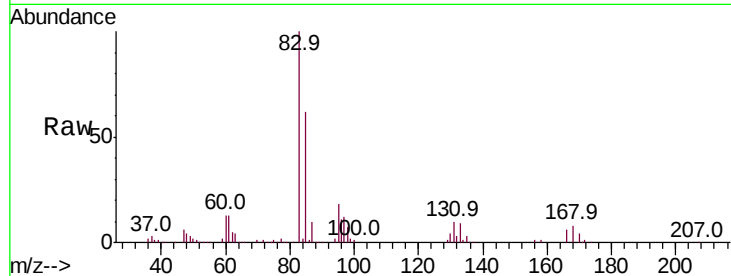




#75
 1,1,2,2-Tetrachloroethane
 Concen: 46.557 ug/l
 RT: 12.72 min Scan# 1774
 Delta R.T. 0.00 min
 Lab File: VW005576.D
 Acq: 24 Sep 2018 11:04

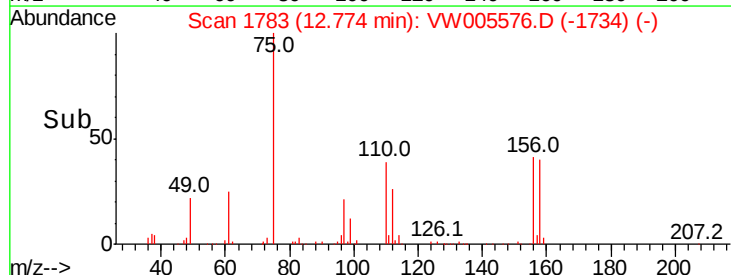
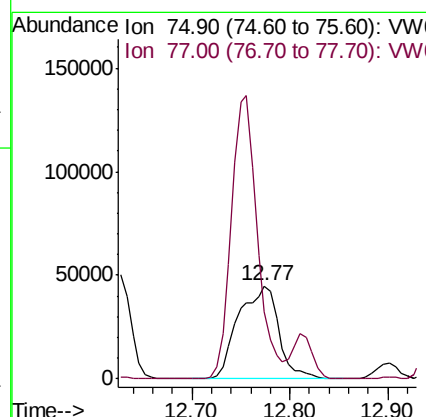
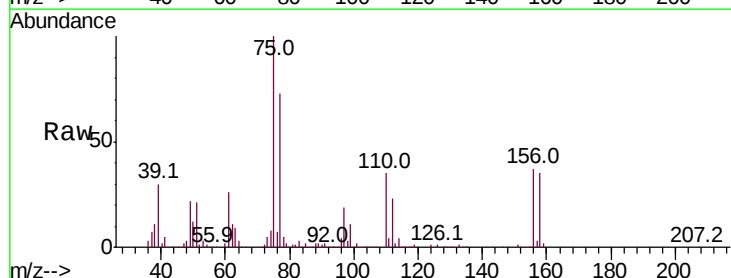
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

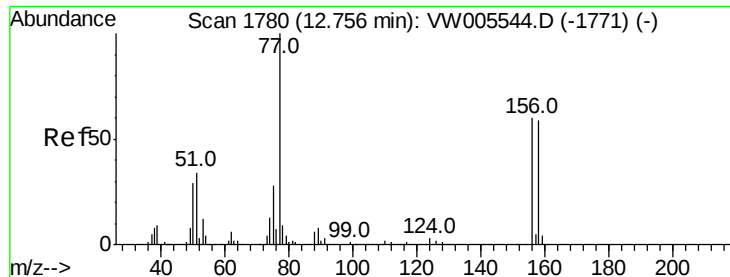
Tot Ion: 83 Resp: 88243
 Ion Ratio Lower Upper
 83 100
 131 11.7 5.5 16.7
 85 64.7 32.4 97.0



#76
 1,2,3-Trichloropropane
 Concen: 91.406 ug/l
 RT: 12.77 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VW005576.D
 Acq: 24 Sep 2018 11:04

Tgt Ion: 75 Resp: 128212
 Ion Ratio Lower Upper
 75 100
 77 197.5 0.0 0.0#





#77

Bromobenzene

Concen: 51.599 ug/l

RT: 12.76 min Scan# 1780

Delta R.T. 0.00 min

Lab File: VW005576.D

Acq: 24 Sep 2018 11:04

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

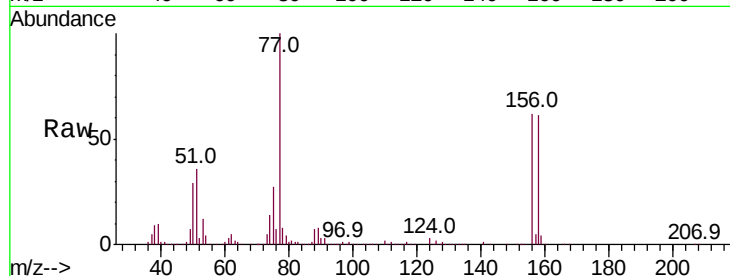
Tot Ion:156 Resp: 138002

Ion Ratio Lower Upper

156 100

77 183.5 94.7 284.1

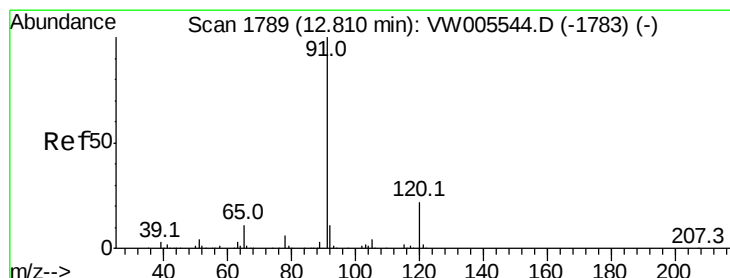
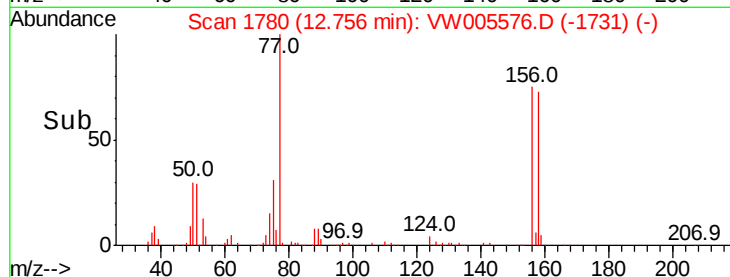
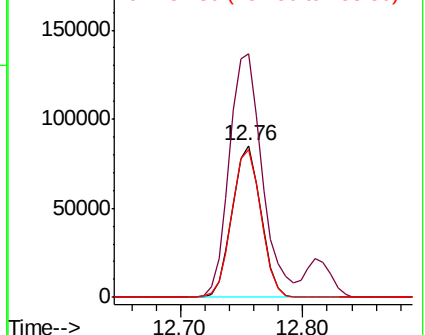
158 98.7 48.0 144.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 56.370 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VW005576.D

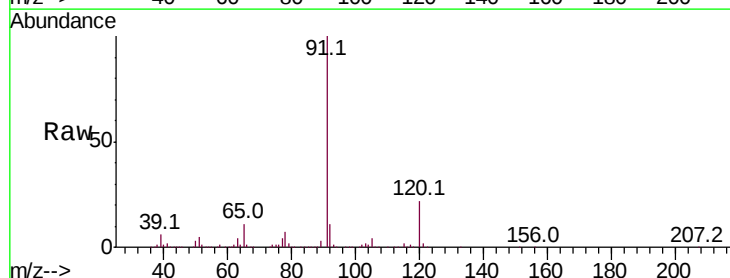
Acq: 24 Sep 2018 11:04

Tgt Ion: 91 Resp: 778765

Ion Ratio Lower Upper

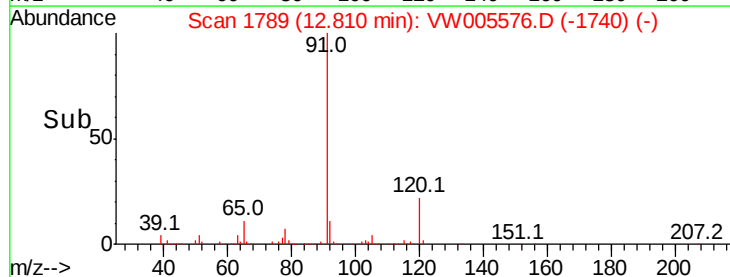
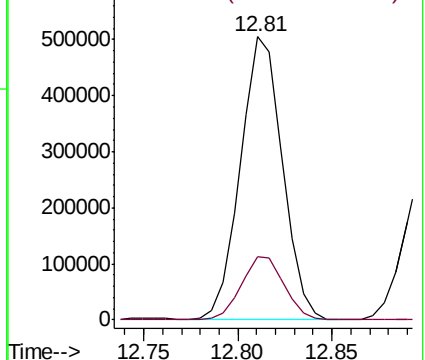
91 100

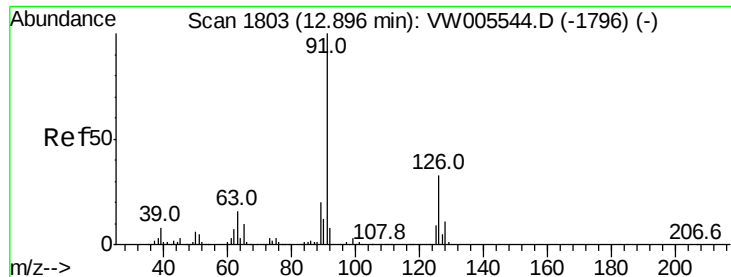
120 22.8 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 54.334 ug/l

RT: 12.90 min Scan# 1804

Delta R.T. 0.01 min

Lab File: VW005576.D

Acq: 24 Sep 2018 11:04

Instrument :

MSVOA_W

ClientSampleId :

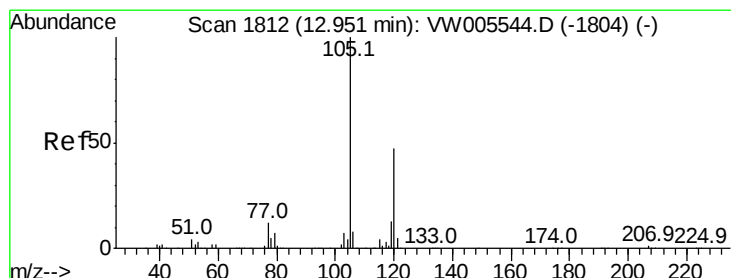
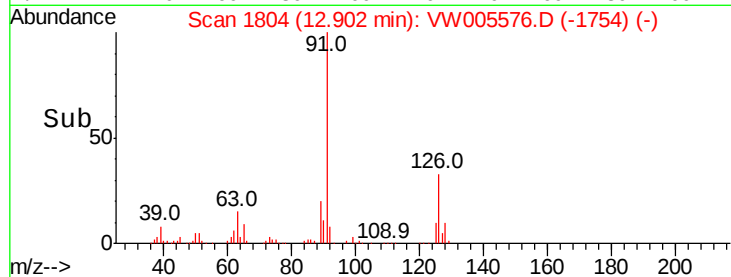
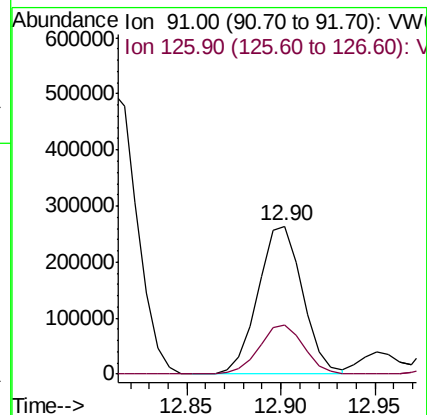
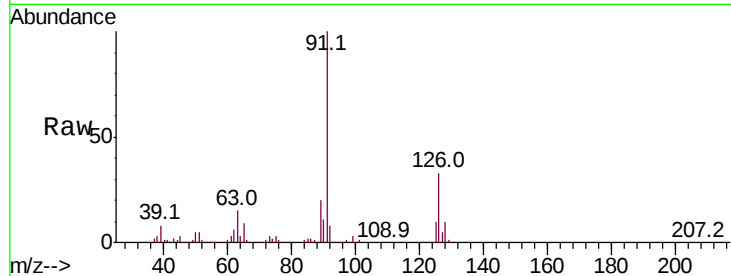
VSTDCCC050

Tot Ion: 91 Resp: 434280

Ion Ratio Lower Upper

91 100

126 32.9 16.4 49.1



#80

1,3,5-Trimethylbenzene

Concen: 56.191 ug/l

RT: 12.95 min Scan# 1812

Delta R.T. 0.00 min

Lab File: VW005576.D

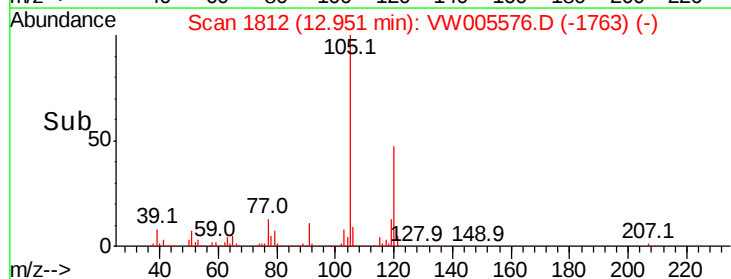
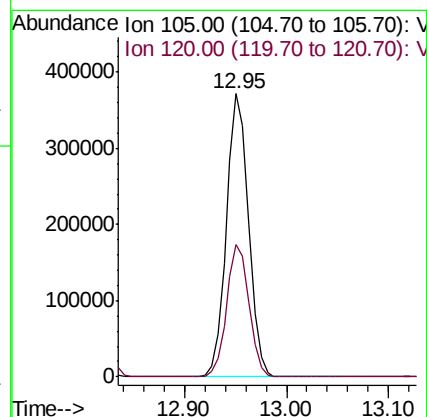
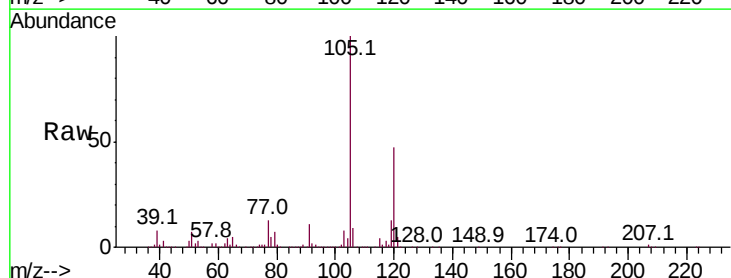
Acq: 24 Sep 2018 11:04

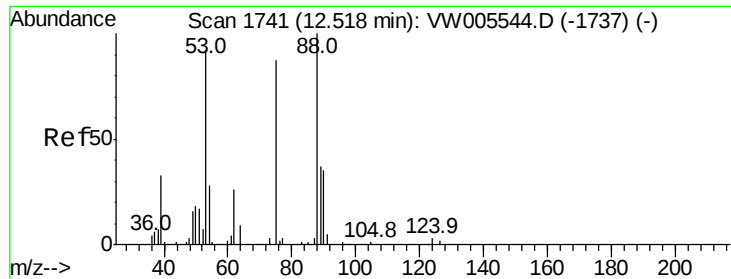
Tgt Ion:105 Resp: 557549

Ion Ratio Lower Upper

105 100

120 47.3 23.6 70.8





#81

trans-1,4-Dichloro-2-butene

Concen: 48.233 ug/l

RT: 12.52 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VW005576.D

Acq: 24 Sep 2018 11:04

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

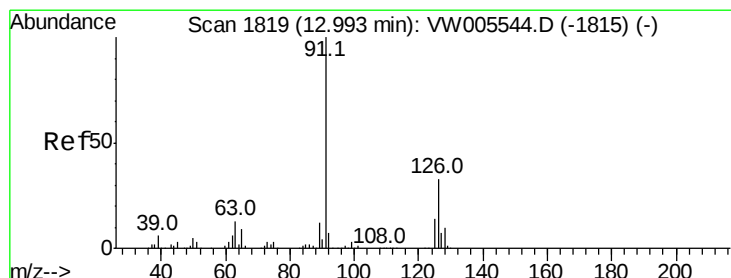
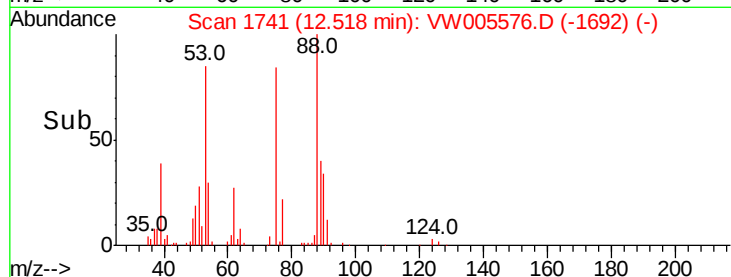
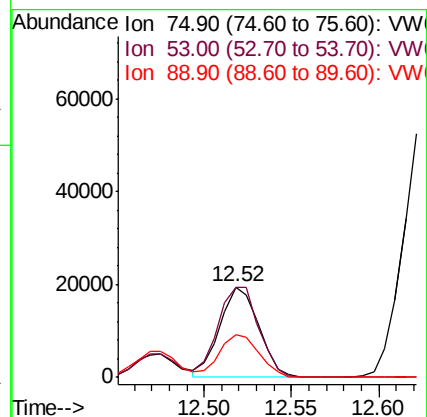
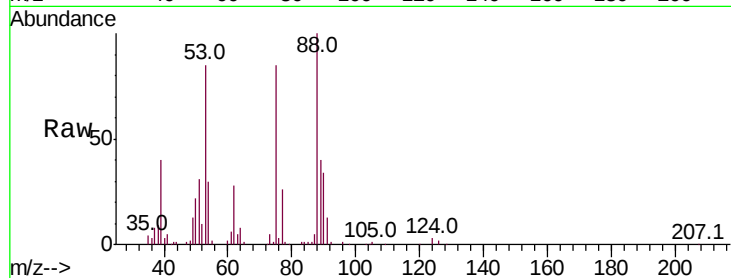
Tot Ion: 75 Resp: 30038

Ion Ratio Lower Upper

75 100

53 105.3 85.8 128.6

89 48.7 37.3 55.9



#82

4-Chlorotoluene

Concen: 54.633 ug/l

RT: 13.00 min Scan# 1820

Delta R.T. 0.01 min

Lab File: VW005576.D

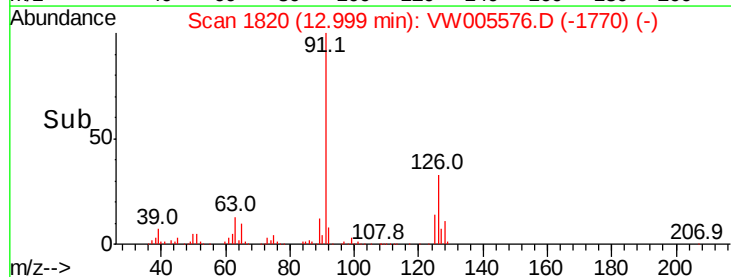
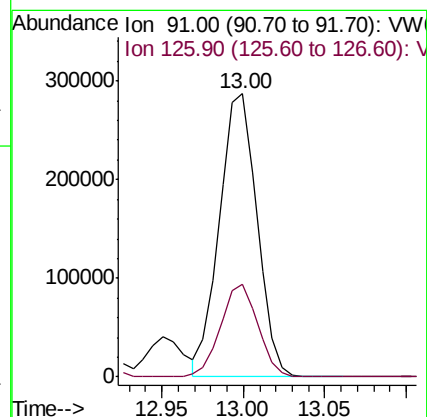
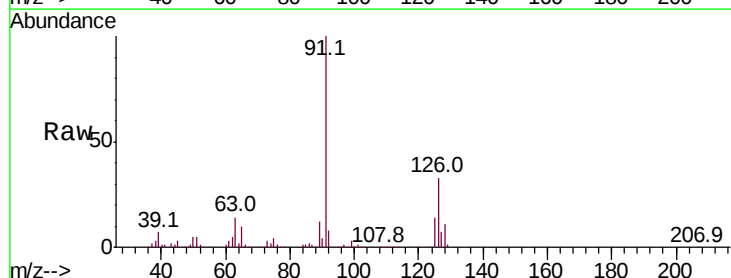
Acq: 24 Sep 2018 11:04

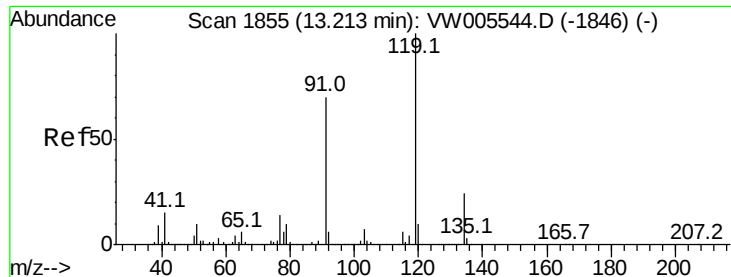
Tgt Ion: 91 Resp: 461375

Ion Ratio Lower Upper

91 100

126 32.6 16.4 49.4

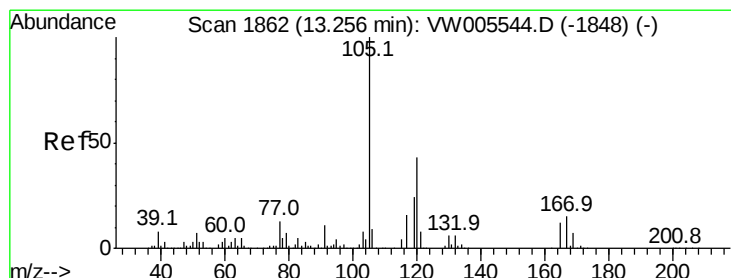
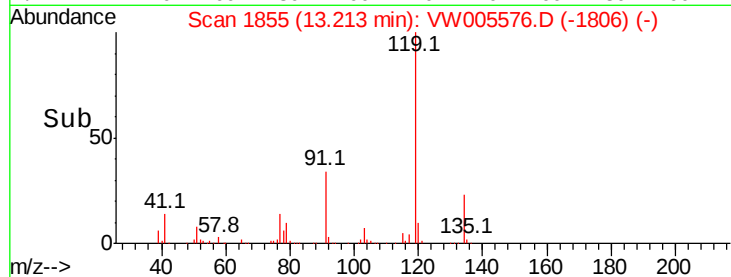
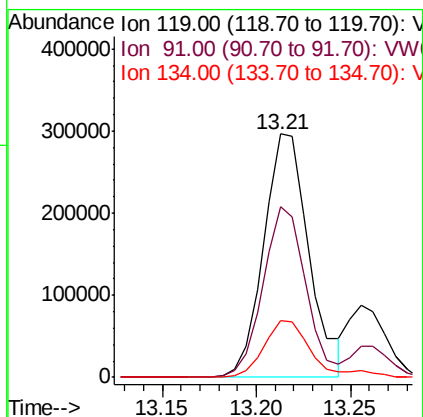
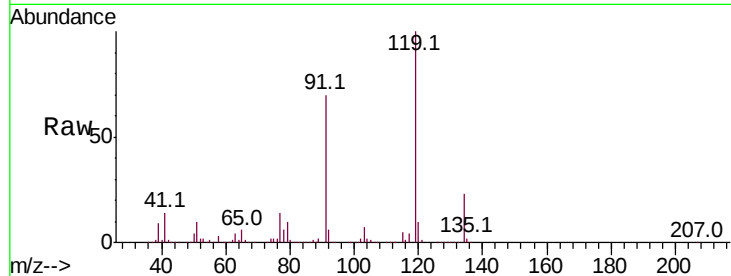




#83
tert-Butylbenzene
Concen: 59.309 ug/l
RT: 13.21 min Scan# 1855
Delta R.T. 0.00 min
Lab File: VW005576.D
Acq: 24 Sep 2018 11:04

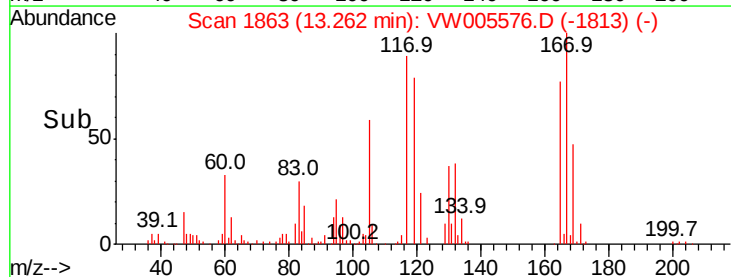
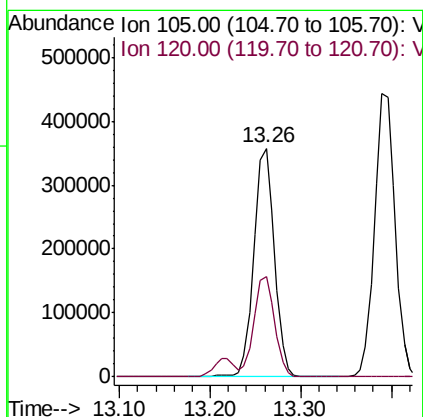
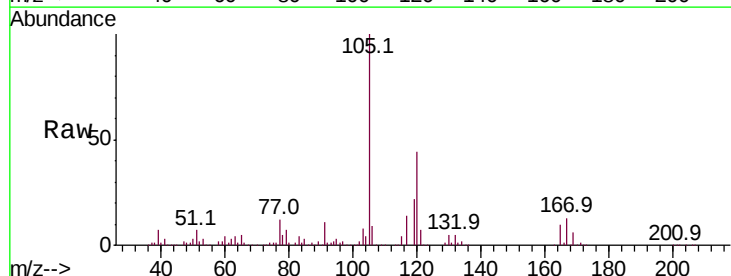
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

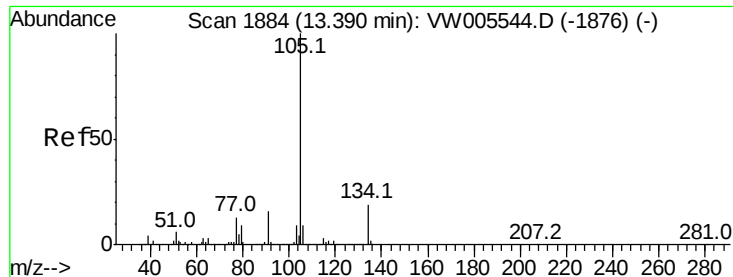
Tot Ion	Ratio	Lower	Upper
119	100		
91	66.3	34.6	103.8
134	24.8	12.6	37.6



#84
1,2,4-Trimethylbenzene
Concen: 56.147 ug/l
RT: 13.26 min Scan# 1863
Delta R.T. 0.01 min
Lab File: VW005576.D
Acq: 24 Sep 2018 11:04

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.1	21.5	64.5





#85

sec-Butylbenzene

Concen: 57.252 ug/l

RT: 13.39 min Scan# 1884

Delta R.T. 0.00 min

Lab File: VW005576.D

Acq: 24 Sep 2018 11:04

Instrument :

MSVOA_W

ClientSampleId :

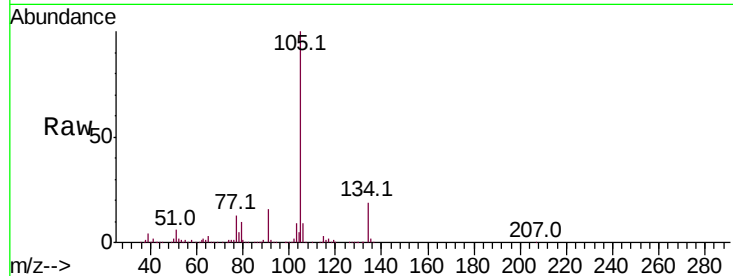
VSTDCCC050

Tot Ion:105 Resp: 692165

Ion Ratio Lower Upper

105 100

134 19.7 9.8 29.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.39

400000

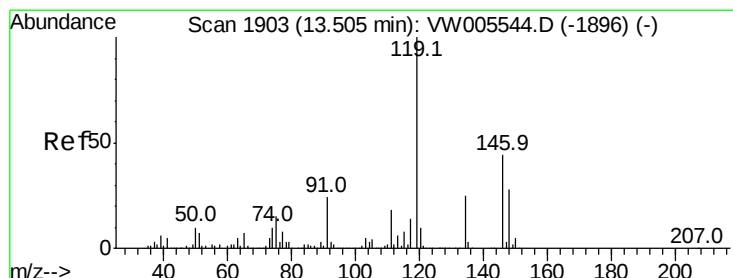
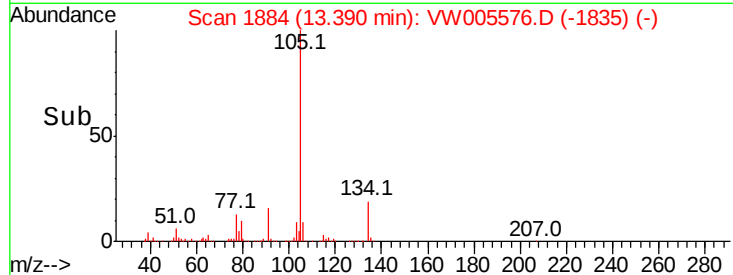
300000

200000

100000

0

Time--> 13.30 13.40



#86

p-Isopropyltoluene

Concen: 57.915 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. 0.00 min

Lab File: VW005576.D

Acq: 24 Sep 2018 11:04

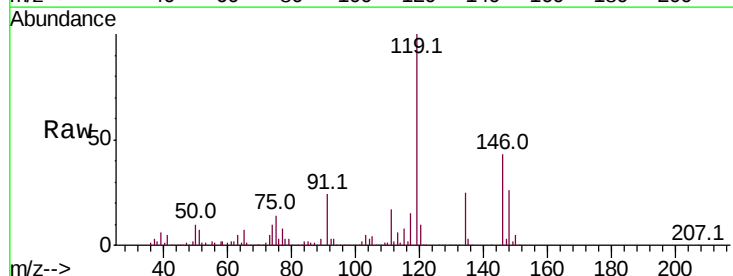
Tgt Ion:119 Resp: 627590

Ion Ratio Lower Upper

119 100

134 25.3 12.7 38.1

91 24.1 12.2 36.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.51

400000

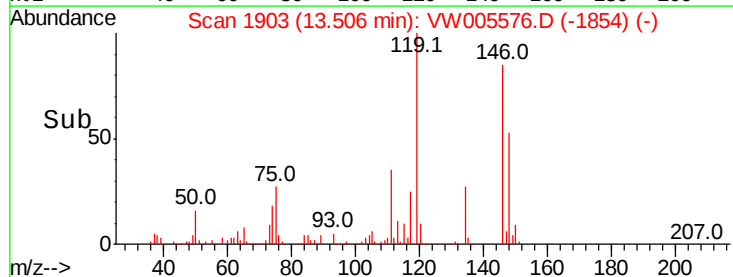
300000

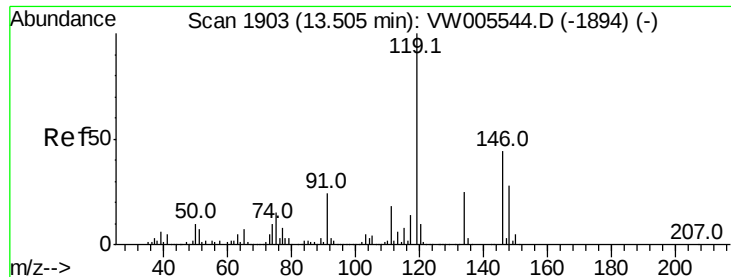
200000

100000

0

Time--> 13.50 13.60





#87

1,3-Dichlorobenzene

Concen: 53.687 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. 0.00 min

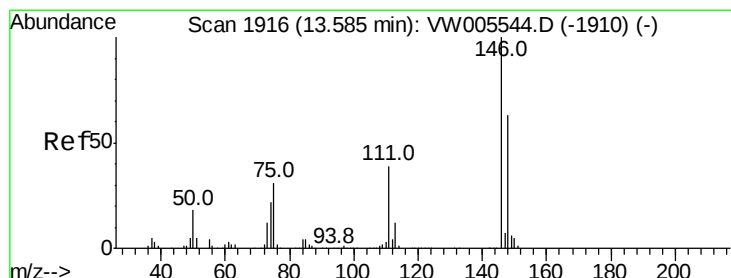
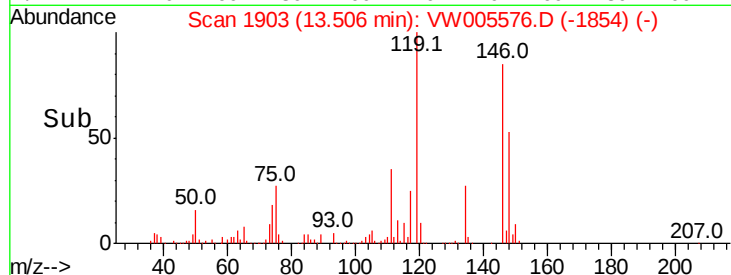
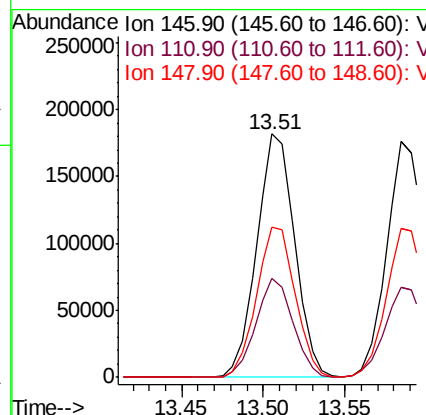
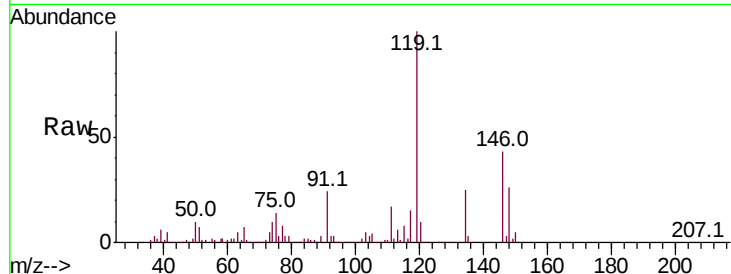
Lab File: VW005576.D

Acq: 24 Sep 2018 11:04

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion:146 Resp: 293601

Ion	Ratio	Lower	Upper
146	100		
111	40.0	20.3	60.9
148	63.0	31.8	95.4



#88

1,4-Dichlorobenzene

Concen: 52.556 ug/l

RT: 13.58 min Scan# 1916

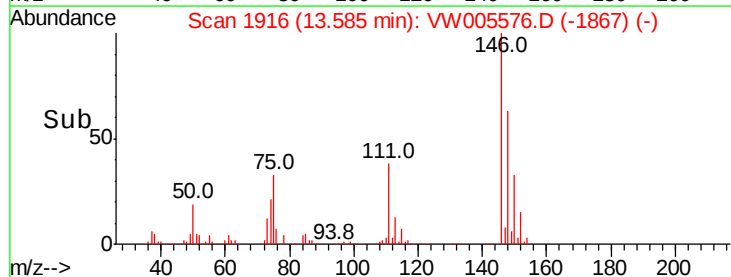
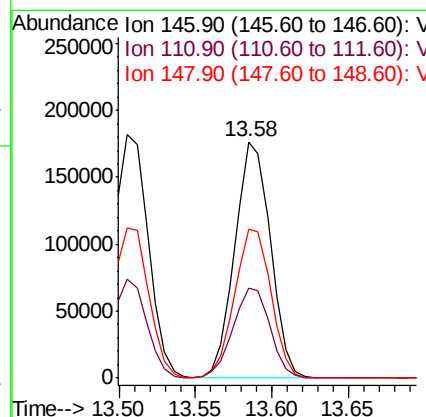
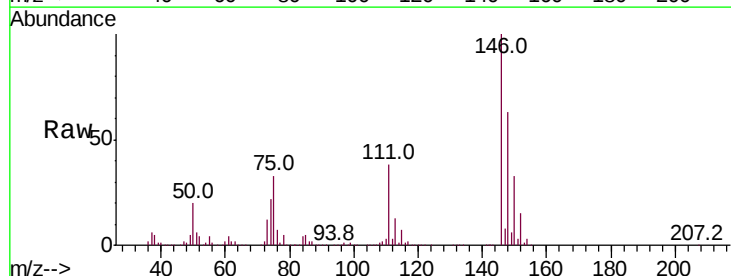
Delta R.T. 0.00 min

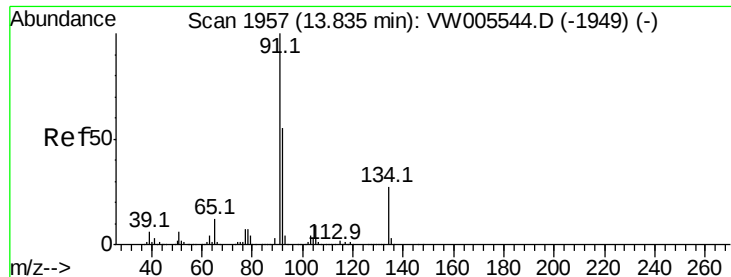
Lab File: VW005576.D

Acq: 24 Sep 2018 11:04

Tgt Ion:146 Resp: 285851

Ion	Ratio	Lower	Upper
146	100		
111	39.3	19.9	59.7
148	64.5	32.1	96.3





#89

n-Butylbenzene

Concen: 58.106 ug/l

RT: 13.83 min Scan# 1957

Delta R.T. 0.00 min

Lab File: VW005576.D

Acq: 24 Sep 2018 11:04

Instrument :

MSVOA_W

ClientSampled :

VSTDCCC050

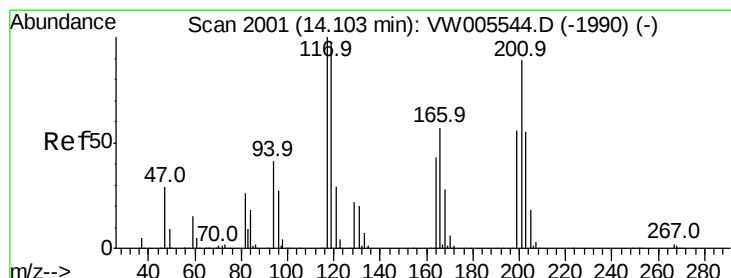
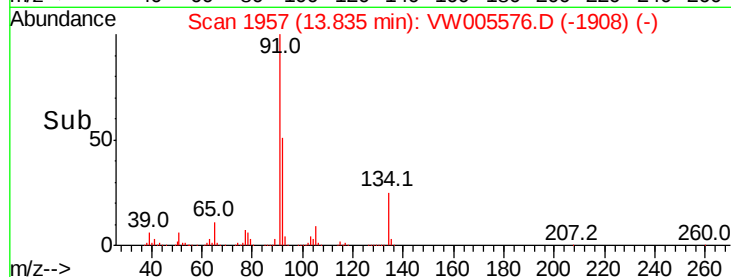
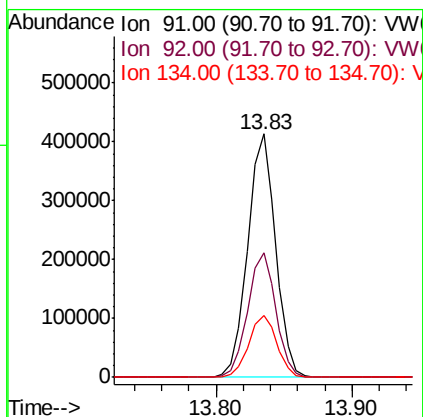
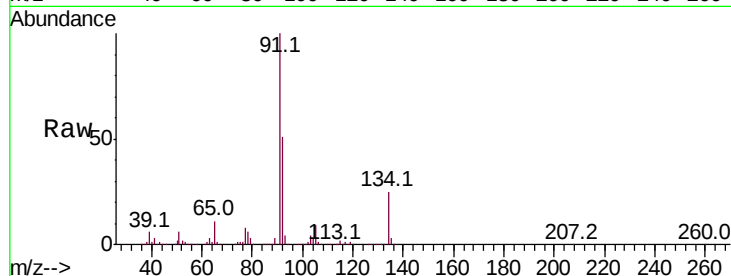
Tot Ion: 91 Resp: 593913

Ion Ratio Lower Upper

91 100

92 51.7 26.5 79.5

134 25.5 12.9 38.7



#90

Hexachloroethane

Concen: 55.089 ug/l

RT: 14.10 min Scan# 2001

Delta R.T. 0.00 min

Lab File: VW005576.D

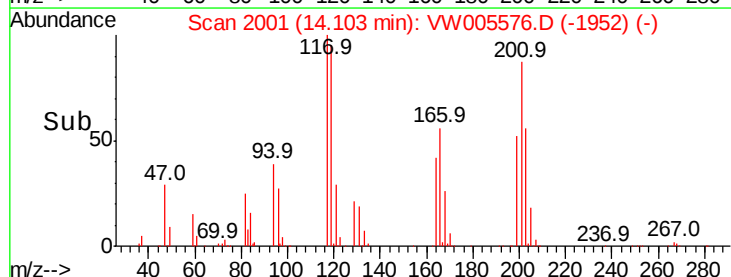
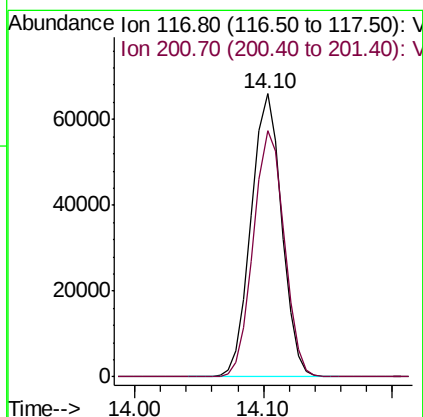
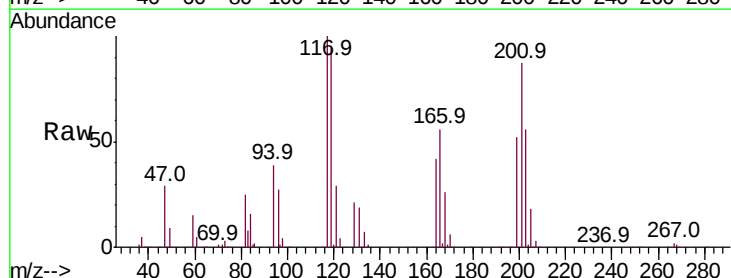
Acq: 24 Sep 2018 11:04

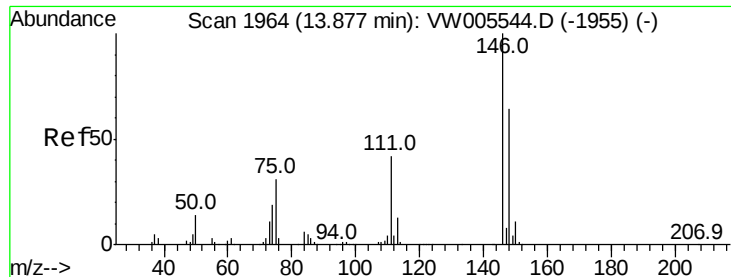
Tgt Ion: 117 Resp: 108199

Ion Ratio Lower Upper

117 100

201 87.8 42.8 128.3





#91

1,2-Dichlorobenzene

Concen: 52.783 ug/l

RT: 13.88 min Scan# 1964

Delta R.T. 0.00 min

Lab File: VW005576.D

Acq: 24 Sep 2018 11:04

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

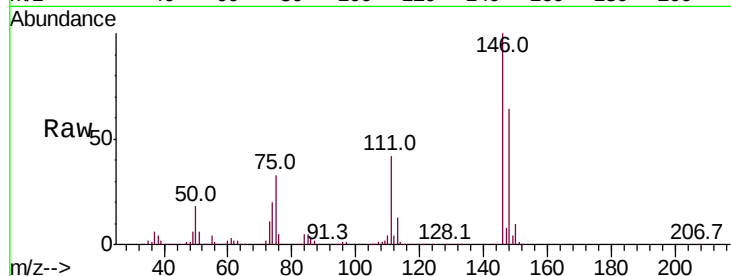
Tot Ion:146 Resp: 254820

Ion Ratio Lower Upper

146 100

111 41.6 21.3 63.9

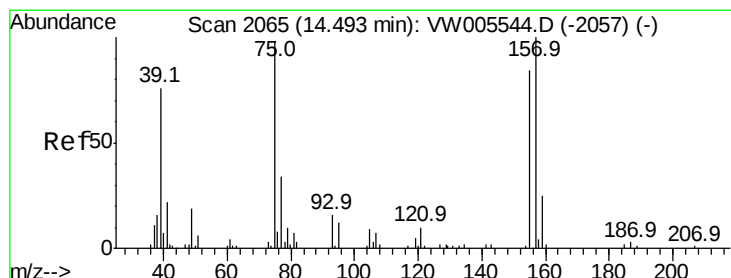
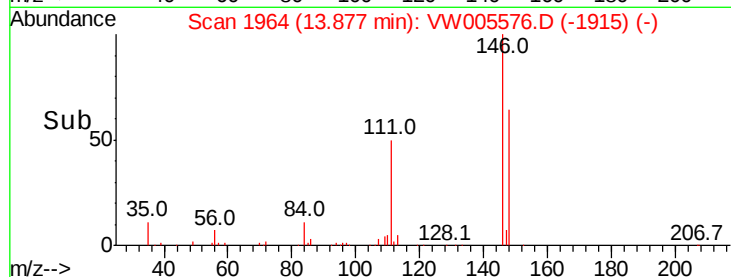
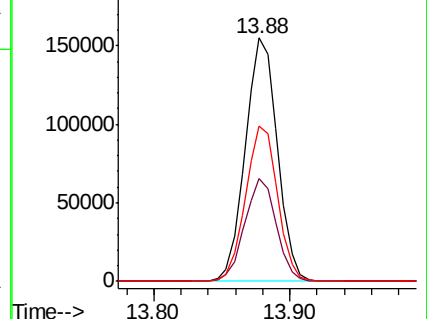
148 63.7 32.0 96.2



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 45.965 ug/l

RT: 14.49 min Scan# 2065

Delta R.T. 0.00 min

Lab File: VW005576.D

Acq: 24 Sep 2018 11:04

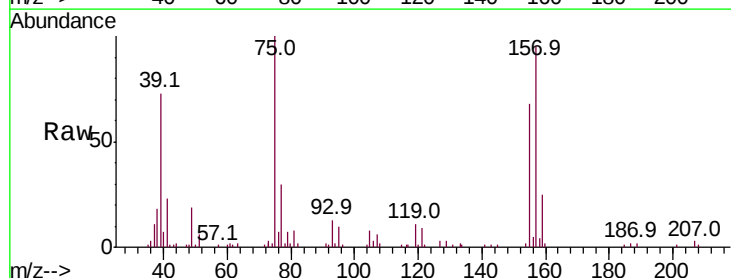
Tgt Ion: 75 Resp: 16599

Ion Ratio Lower Upper

75 100

155 75.4 39.1 117.5

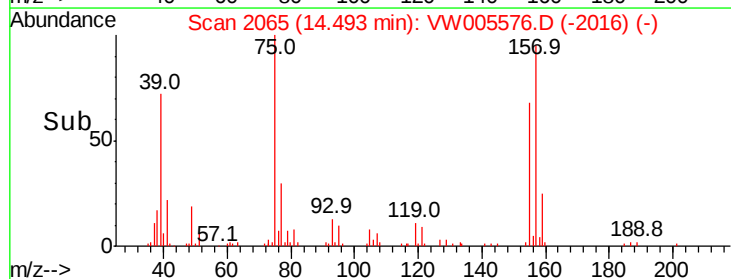
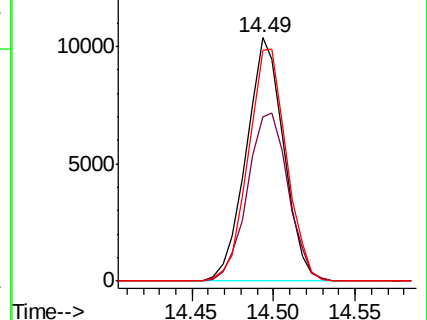
157 97.4 50.8 152.4

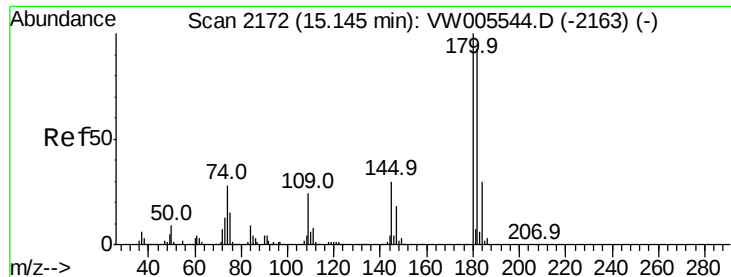


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

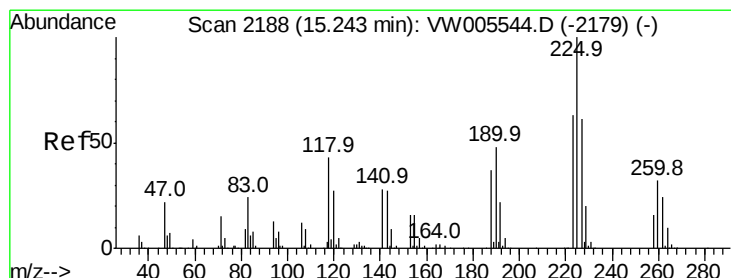
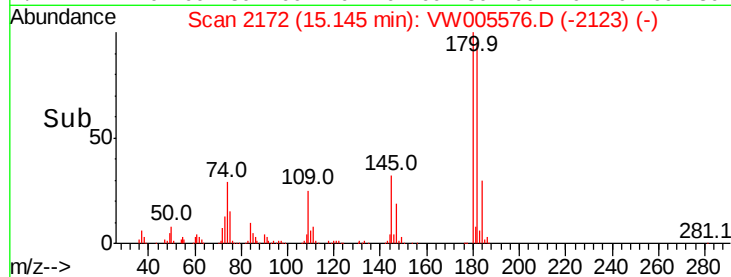
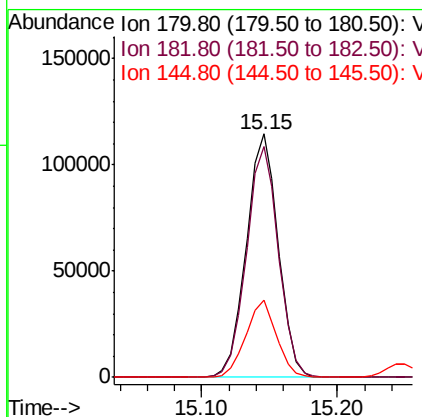
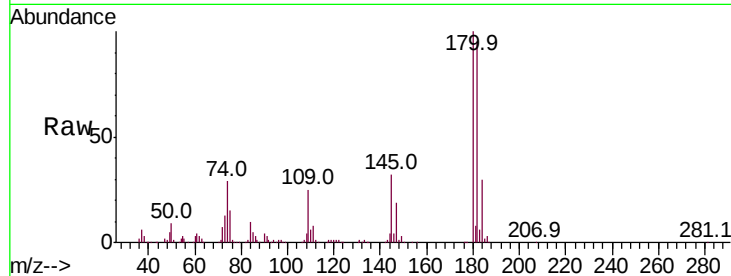




#93
 1,2,4-Trichlorobenzene
 Concen: 54.495 ug/l
 RT: 15.15 min Scan# 2172
 Delta R.T. 0.00 min
 Lab File: VW005576.D
 Acq: 24 Sep 2018 11:04

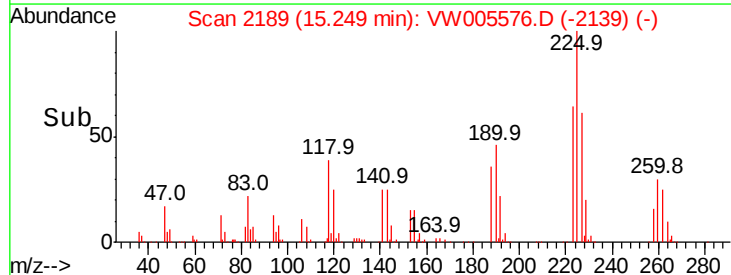
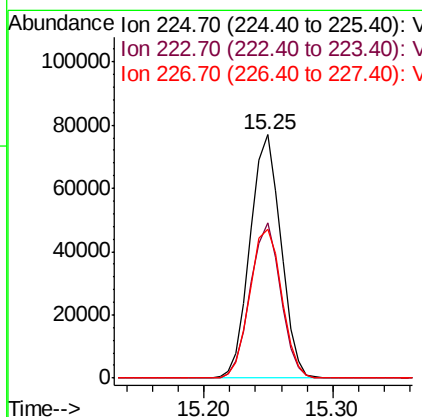
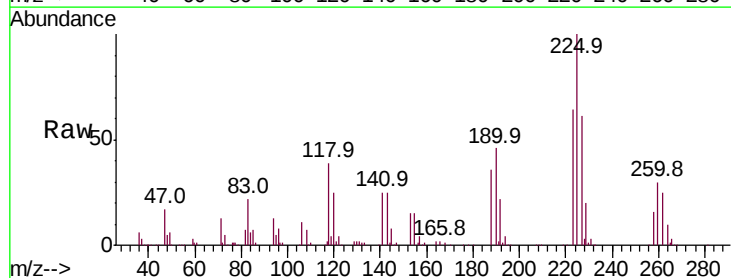
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

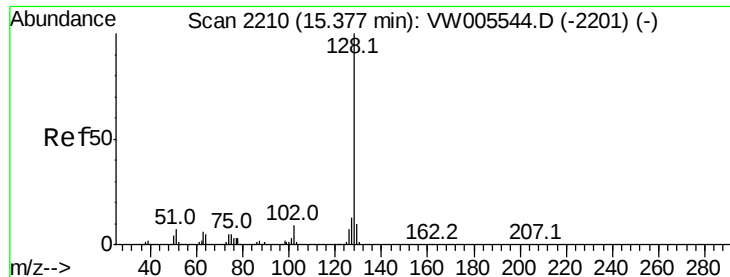
Tot Ion:180 Resp: 187673
 Ion Ratio Lower Upper
 180 100
 182 95.3 47.7 143.1
 145 30.5 15.0 45.1



#94
 Hexachlorobutadiene
 Concen: 56.745 ug/l
 RT: 15.25 min Scan# 2189
 Delta R.T. 0.01 min
 Lab File: VW005576.D
 Acq: 24 Sep 2018 11:04

Tgt Ion:225 Resp: 126602
 Ion Ratio Lower Upper
 225 100
 223 62.9 31.1 93.3
 227 63.8 31.8 95.3

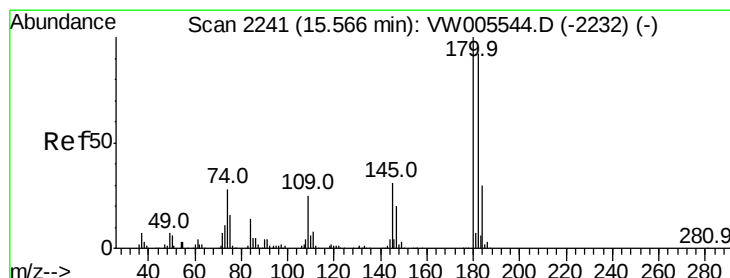
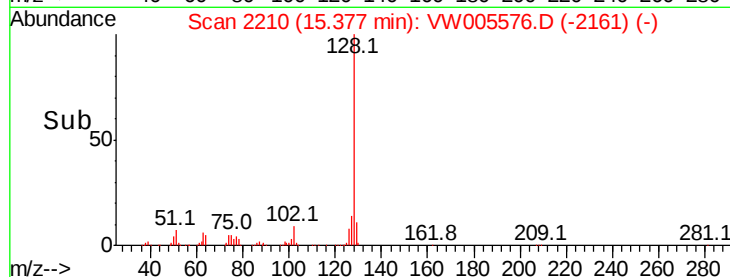
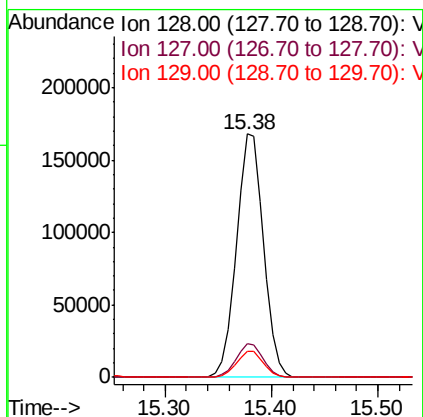
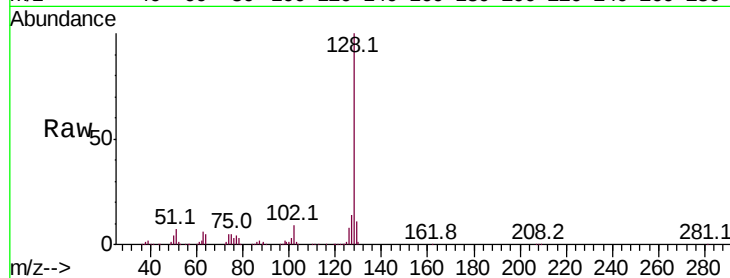




#95
Naphthalene
Concen: 51.760 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. 0.00 min
Lab File: VW005576.D
Acq: 24 Sep 2018 11:04

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.8	10.9	16.3
129	10.6	8.6	13.0



#96
1,2,3-Trichlorobenzene
Concen: 52.666 ug/l
RT: 15.57 min Scan# 2241
Delta R.T. 0.00 min
Lab File: VW005576.D
Acq: 24 Sep 2018 11:04

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.9	47.3	141.9
145	32.9	16.0	47.9

