

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW040419\
 Data File : VW009699.D
 Acq On : 04 Apr 2019 16:26
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Apr 05 05:46:00 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W032919S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 29 13:24:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	337405	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	524026	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	483545	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	259664	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	205795	53.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.68%	
35) Dibromofluoromethane	7.88	113	169360	51.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.92%	
50) Toluene-d8	10.32	98	627443	51.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.16%	
62) 4-Bromofluorobenzene	12.62	95	244115	53.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.58%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.01	85	78489	37.192	ug/l	96
3) Chloromethane	2.21	50	98701	34.725	ug/l	99
4) Vinyl Chloride	2.37	62	147821	38.940	ug/l	99
5) Bromomethane	2.78	94	110094	37.591	ug/l	97
6) Chloroethane	2.92	64	109931	39.103	ug/l	98
7) Trichlorofluoromethane	3.26	101	110058	42.432	ug/l	98
8) Diethyl Ether	3.67	74	80834	46.414	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.05	101	161337	46.361	ug/l	96
10) Methyl Iodide	4.27	142	212060	44.659	ug/l	96
11) Tert butyl alcohol	5.18	59	57761	258.198	ug/l	100
12) 1,1-Dichloroethene	4.03	96	145608	44.710	ug/l	95
13) Acrolein	3.89	56	47940	292.174	ug/l	93
14) Allyl chloride	4.65	41	249413	47.882	ug/l	97
15) Acrylonitrile	5.36	53	201529	253.152	ug/l	98
16) Acetone	4.12	43	228024	262.855	ug/l	95
17) Carbon Disulfide	4.38	76	391500	42.249	ug/l	98
18) Methyl Acetate	4.67	43	111782	53.306	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	242327	53.500	ug/l	99
20) Methylene Chloride	4.92	84	176803	52.115	ug/l	89
21) trans-1,2-Dichloroethene	5.42	96	161546	46.720	ug/l	89
22) Diisopropyl ether	6.31	45	561331	49.899	ug/l	99
23) Vinyl Acetate	6.25	43	1857133	264.633	ug/l	99
24) 1,1-Dichloroethane	6.21	63	318853	47.092	ug/l	98
25) 2-Butanone	7.17	43	325935	271.891	ug/l	98
26) 2,2-Dichloropropane	7.16	77	189267	48.893	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	182741	48.393	ug/l	95
28) Bromochloromethane	7.51	49	159788	54.462	ug/l	92
29) Tetrahydrofuran	7.52	42	200813	269.779	ug/l	99
30) Chloroform	7.67	83	337698	48.156	ug/l	99
31) Cyclohexane	7.95	56	279387	44.014	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	270581	47.662	ug/l	98
36) 1,1-Dichloropropene	8.07	75	256045	47.239	ug/l	100
37) Ethyl Acetate	7.25	43	135224	52.513	ug/l	100
38) Carbon Tetrachloride	8.06	117	259360	46.699	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	296549	47.897	ug/l	97
40) Benzene	8.32	78	690929	47.062	ug/l	100
41) Methacrylonitrile	7.48	41	82920	49.490	ug/l	90
42) 1,2-Dichloroethane	8.40	62	248345	49.618	ug/l	98
43) Isopropyl Acetate	8.42	43	267547	53.015	ug/l	98
44) Trichloroethene	9.09	130	180366	47.454	ug/l	94
45) 1,2-Dichloropropane	9.37	63	180071	47.919	ug/l	98
46) Dibromomethane	9.46	93	100542	49.389	ug/l	95
47) Bromodichloromethane	9.64	83	255662	49.234	ug/l	98
48) Methyl methacrylate	9.43	41	130460	55.147	ug/l	97
49) 1,4-Dioxane	9.45	88	30478	1005.354	ug/l	93
51) 4-Methyl-2-Pentanone	10.21	43	736086	272.612	ug/l	98
52) Toluene	10.38	92	447454	48.668	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	259974	51.130	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	282767	50.157	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	136877	49.744	ug/l	94
56) Ethyl methacrylate	10.65	69	183741	48.350	ug/l	96
57) 1,3-Dichloropropane	10.93	76	245333	50.299	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	488480	264.922	ug/l	99
59) 2-Hexanone	10.97	43	523115	279.939	ug/l	99
60) Dibromochloromethane	11.13	129	164867	49.621	ug/l	99
61) 1,2-Dibromoethane	11.23	107	130801	49.571	ug/l	98
64) Tetrachloroethene	10.86	164	151432	46.124	ug/l	96
65) Chlorobenzene	11.66	112	487196	47.839	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	181459	48.902	ug/l	100
67) Ethyl Benzene	11.73	91	889765	49.589	ug/l	99
68) m/p-Xylenes	11.84	106	677658	99.467	ug/l	100
69) o-Xylene	12.16	106	321939	50.742	ug/l	99
70) Styrene	12.18	104	536742	50.648	ug/l	99
71) Bromoform	12.35	173	99066	49.610	ug/l #	99
73) Isopropylbenzene	12.46	105	915773	50.678	ug/l	100
74) N-amyl acetate	12.27	43	262678	55.140	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	175457	51.342	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	240691	98.569	ug/l #	100
77) Bromobenzene	12.75	156	201016	48.305	ug/l	95
78) n-propylbenzene	12.80	91	1128237	50.632	ug/l	100
79) 2-Chlorotoluene	12.89	91	634199	50.081	ug/l	97
80) 1,3,5-Trimethylbenzene	12.94	105	767724	50.448	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.51	75	56154	53.478	ug/l	96
82) 4-Chlorotoluene	12.99	91	665118	49.907	ug/l	99
83) tert-Butylbenzene	13.21	119	664394	51.286	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	788947	50.429	ug/l	99
85) sec-Butylbenzene	13.38	105	977377	50.008	ug/l	99
86) p-Isopropyltoluene	13.50	119	858013	50.473	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	412520	48.011	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	411974	48.004	ug/l	99
89) n-Butylbenzene	13.83	91	844541	50.332	ug/l	99
90) Hexachloroethane	14.10	117	160354	49.260	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	373455	48.606	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	31019	49.721	ug/l	99

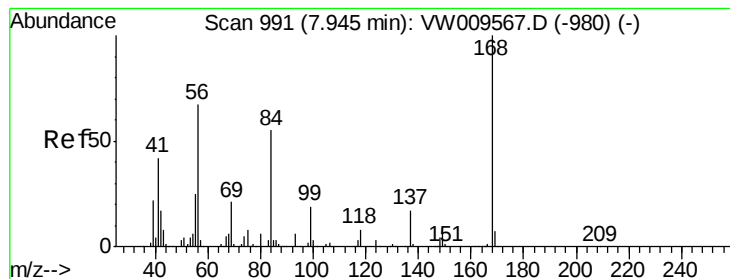
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	249052	50.333	ug/l	99
94) Hexachlorobutadiene	15.24	225	151025	47.526	ug/l	98
95) Naphthalene	15.37	128	490760	48.865	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	219807	49.721	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW009699.D

Acq: 04 Apr 2019 16:26

Instrument :

MSVOA_W

ClientSampleId :

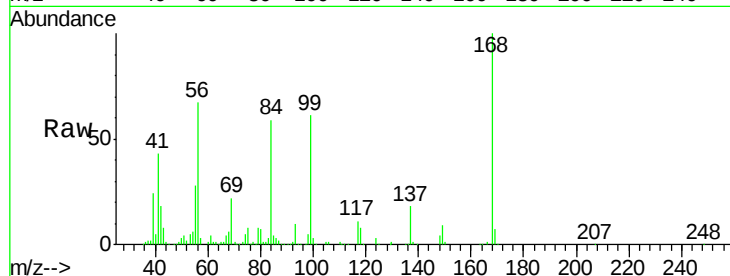
VSTDCCC050EC

Tgt Ion:168 Resp: 337405

Ion Ratio Lower Upper

168 100

99 61.2 45.4 68.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

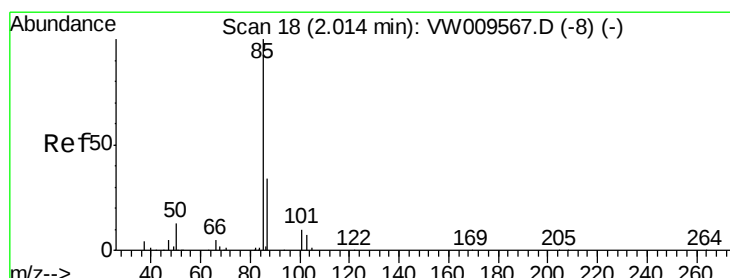
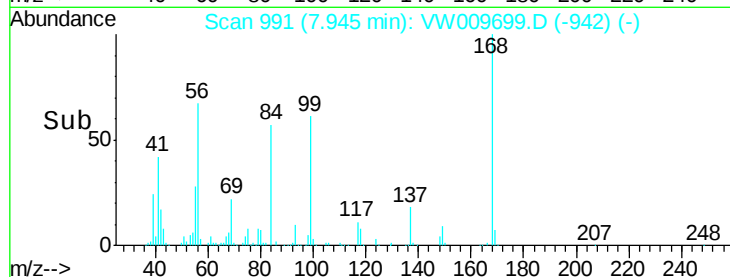
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 37.192 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW009699.D

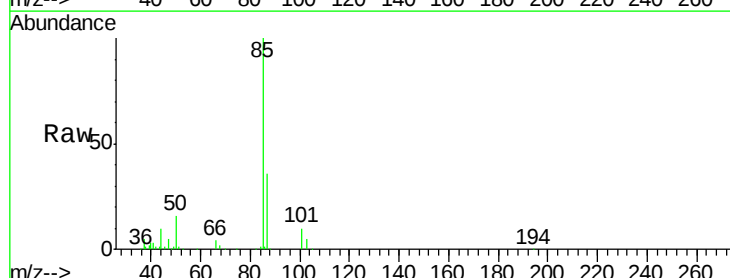
Acq: 04 Apr 2019 16:26

Tgt Ion: 85 Resp: 78489

Ion Ratio Lower Upper

85 100

87 35.6 16.7 50.1



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

30000

25000

20000

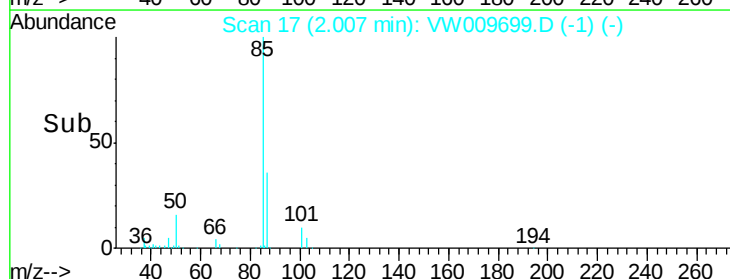
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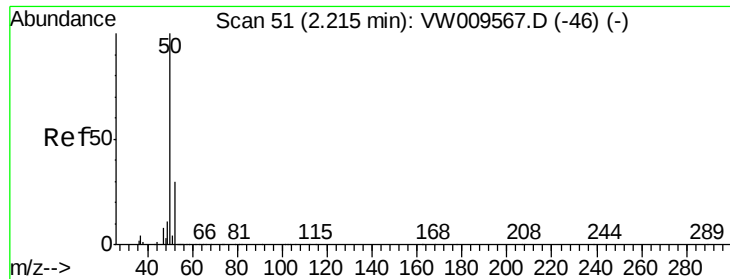
10000

5000

0

Time--> 1.90 2.00 2.10





#3

Chloromethane

Concen: 34.725 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW009699.D

Acq: 04 Apr 2019 16:26

Instrument :

MSVOA_W

ClientSampleId :

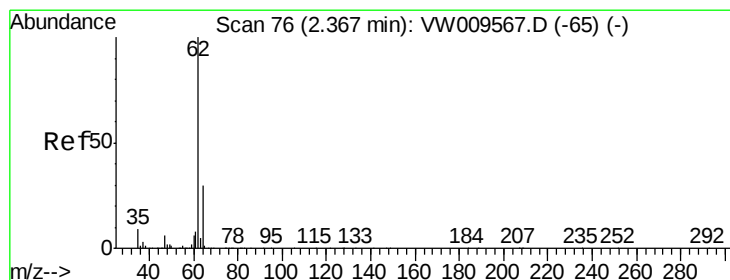
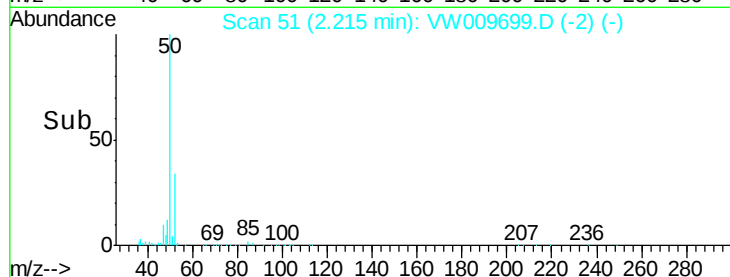
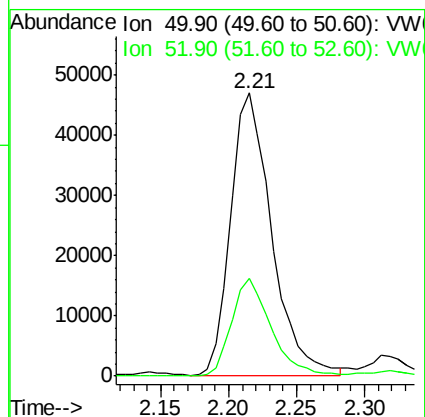
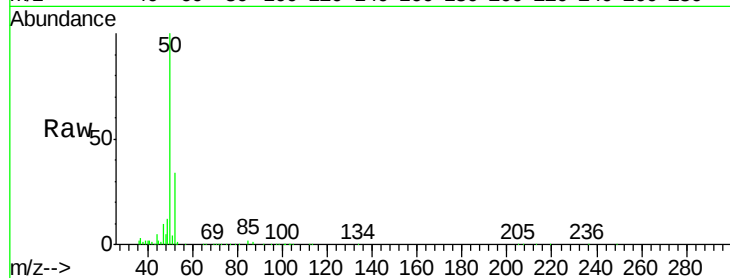
VSTDCCC050EC

Tgt Ion: 50 Resp: 98701

Ion Ratio Lower Upper

50 100

52 34.5 27.2 40.8



#4

Vinyl Chloride

Concen: 38.940 ug/l

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW009699.D

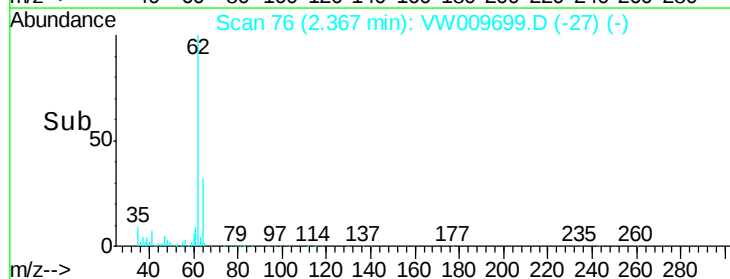
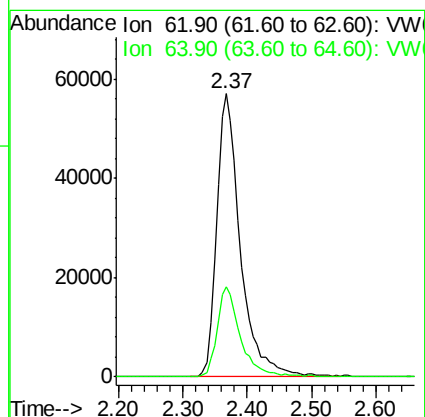
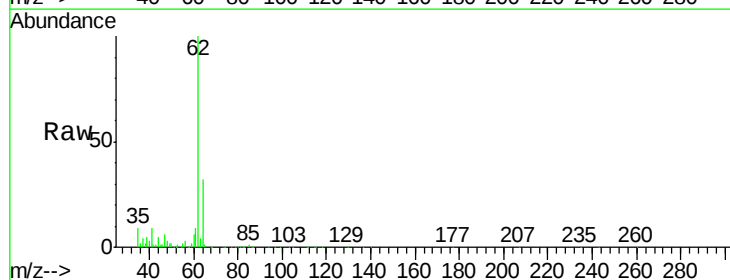
Acq: 04 Apr 2019 16:26

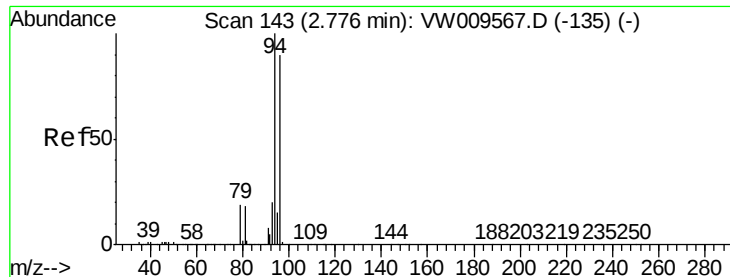
Tgt Ion: 62 Resp: 147821

Ion Ratio Lower Upper

62 100

64 31.9 26.2 39.2





#5

Bromomethane

Concen: 37.591 ug/l

RT: 2.78 min Scan# 143

Delta R.T. 0.00 min

Lab File: VW009699.D

Acq: 04 Apr 2019 16:26

Instrument :

MSVOA_W

ClientSampleId :

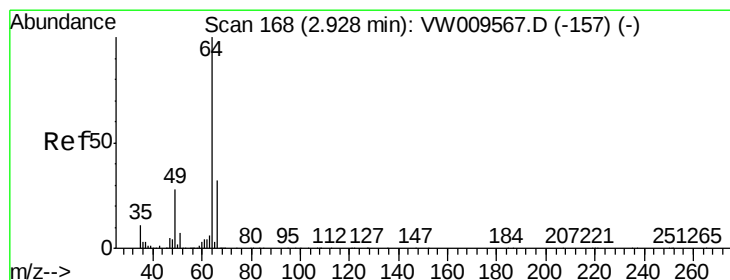
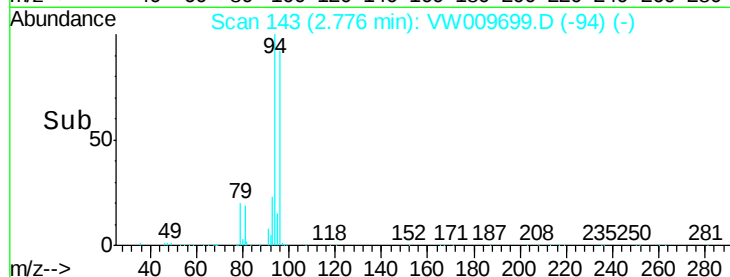
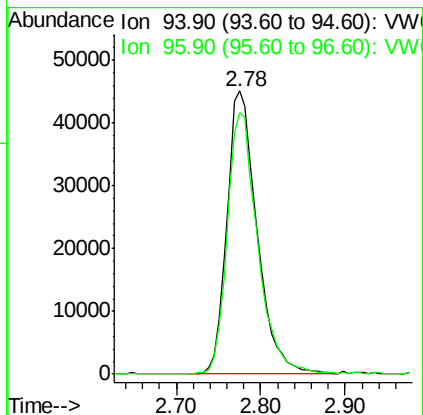
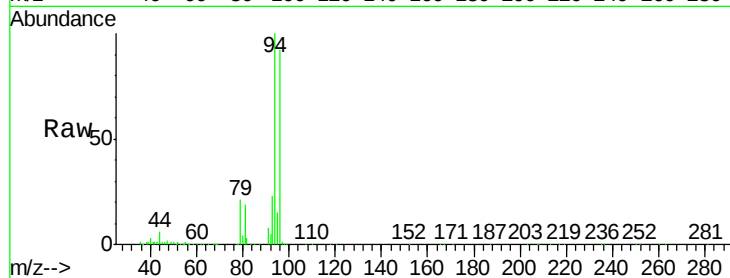
VSTDCCC050EC

Tgt Ion: 94 Resp: 110094

Ion Ratio Lower Upper

94 100

96 91.9 71.4 107.2



#6

Chloroethane

Concen: 39.103 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.01 min

Lab File: VW009699.D

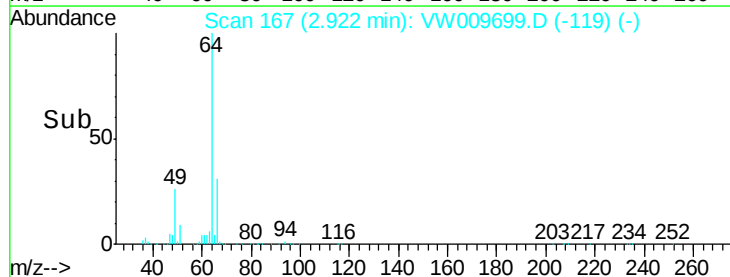
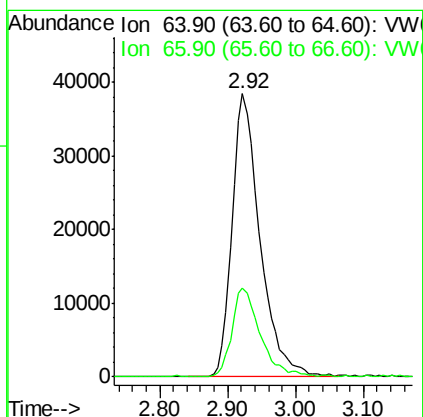
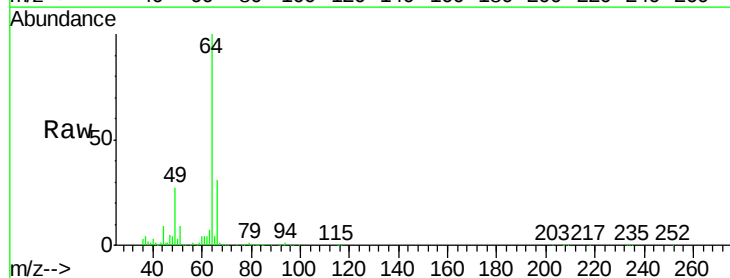
Acq: 04 Apr 2019 16:26

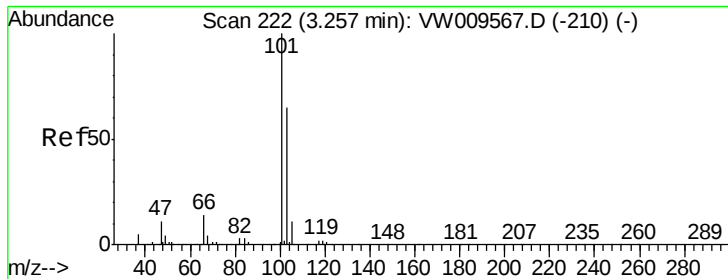
Tgt Ion: 64 Resp: 109931

Ion Ratio Lower Upper

64 100

66 31.3 26.2 39.2



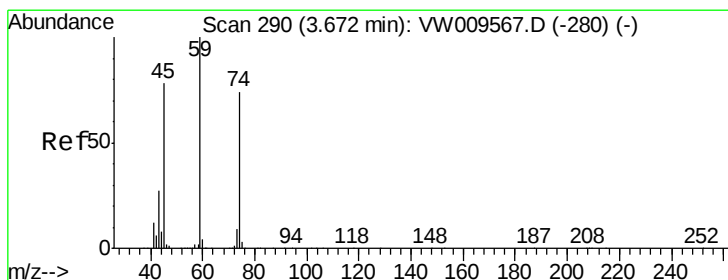
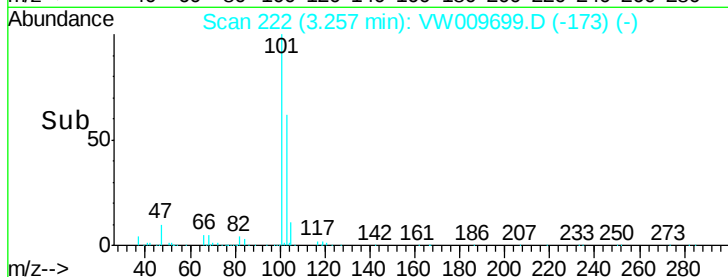
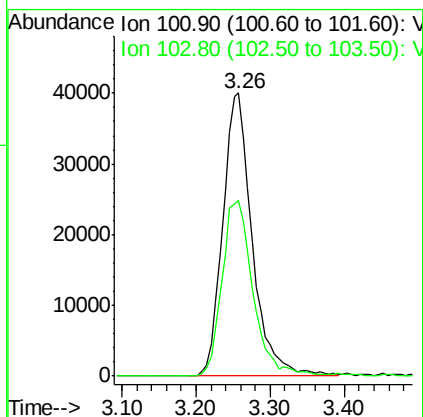
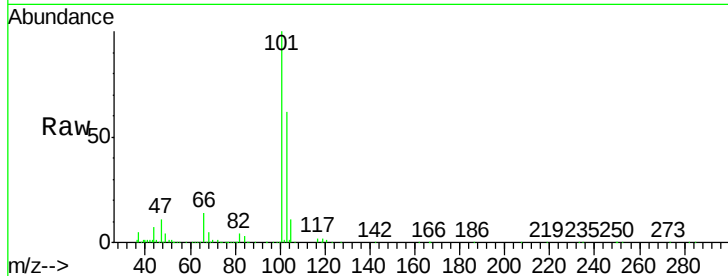


#7

Trichlorofluoromethane
 Concen: 42.432 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. 0.00 min
 Lab File: VW009699.D
 Acq: 04 Apr 2019 16:26

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

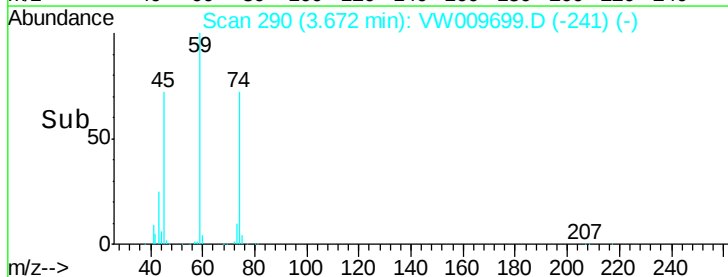
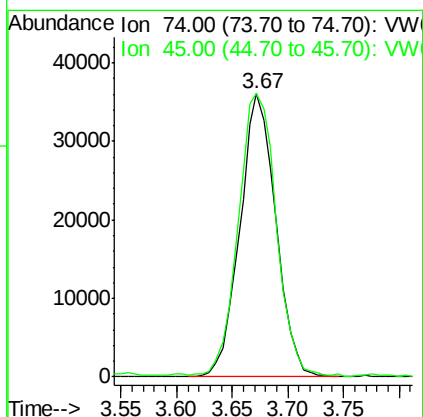
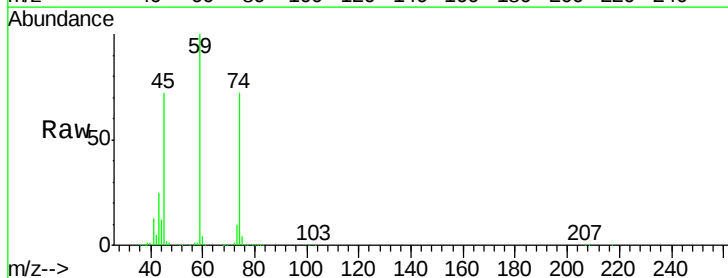
Tgt Ion:101 Resp: 110058
 Ion Ratio Lower Upper
 101 100
 103 61.9 50.5 75.7

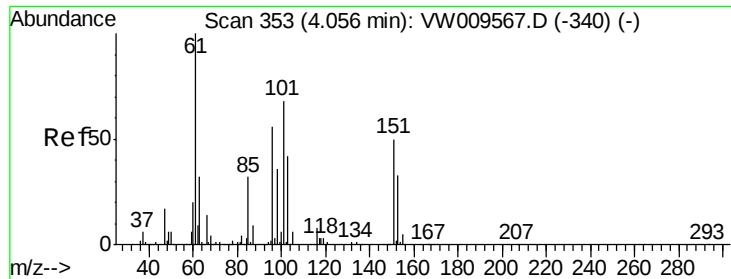


#8

Diethyl Ether
 Concen: 46.414 ug/l
 RT: 3.67 min Scan# 290
 Delta R.T. 0.00 min
 Lab File: VW009699.D
 Acq: 04 Apr 2019 16:26

Tgt Ion: 74 Resp: 80834
 Ion Ratio Lower Upper
 74 100
 45 105.7 50.6 151.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.361 ug/l

RT: 4.05 min Scan# 352

Delta R.T. -0.01 min

Lab File: VW009699.D

Acq: 04 Apr 2019 16:26

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

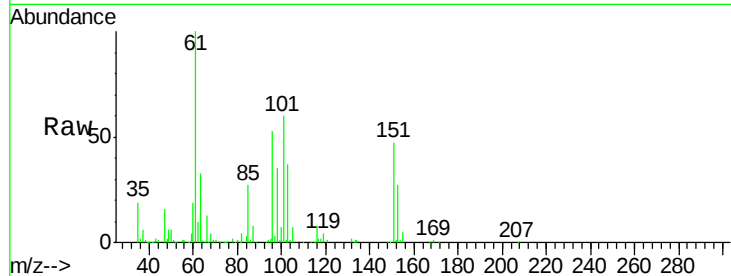
Tgt Ion:101 Resp: 161337

Ion Ratio Lower Upper

101 100

85 45.3 35.1 52.7

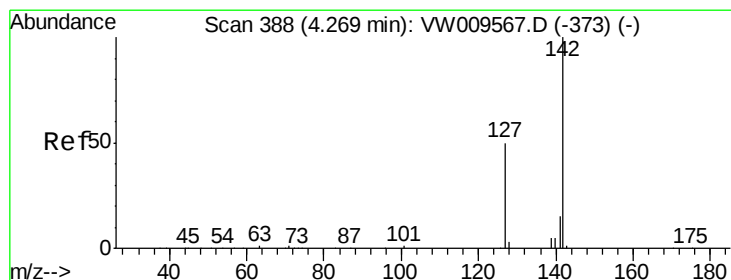
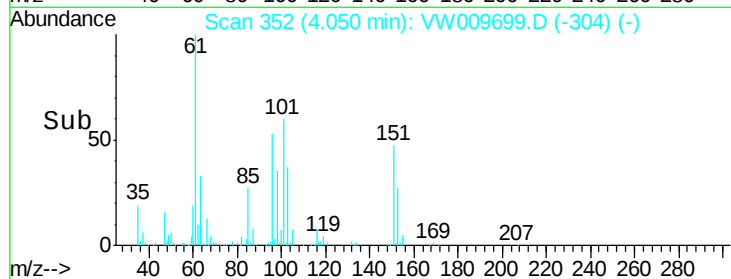
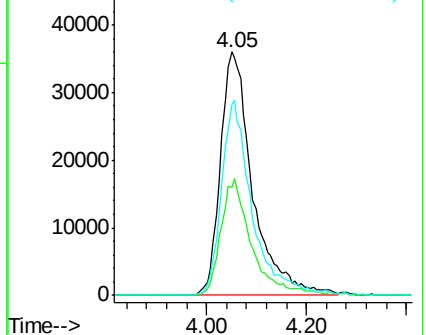
151 74.3 62.9 94.3



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: 44.659 ug/l

RT: 4.27 min Scan# 388

Delta R.T. 0.00 min

Lab File: VW009699.D

Acq: 04 Apr 2019 16:26

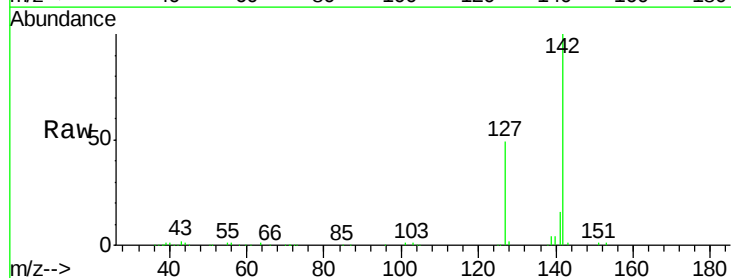
Tgt Ion:142 Resp: 212060

Ion Ratio Lower Upper

142 100

127 48.0 35.9 53.9

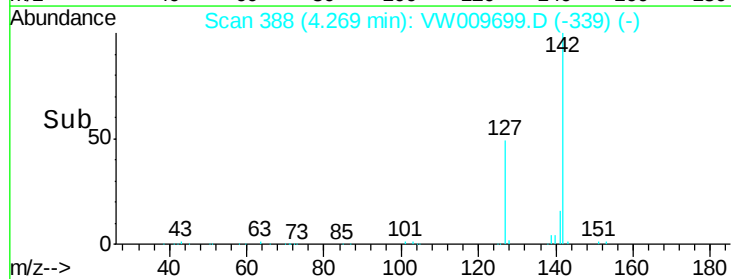
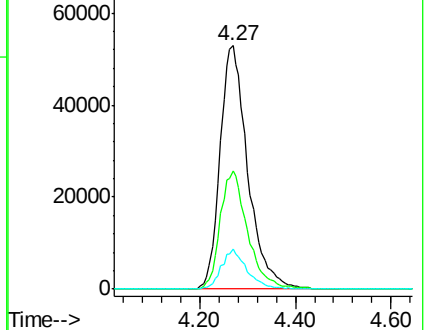
141 15.1 11.4 17.2

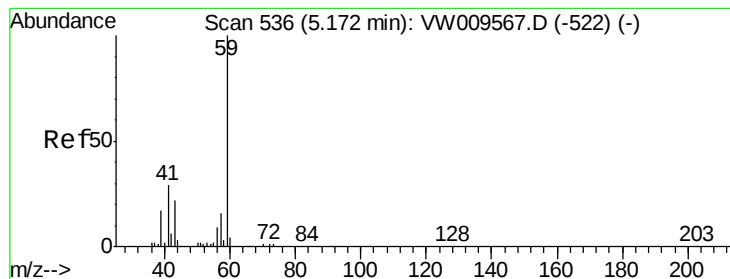


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



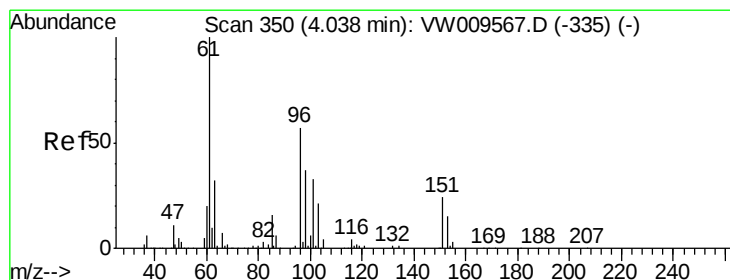
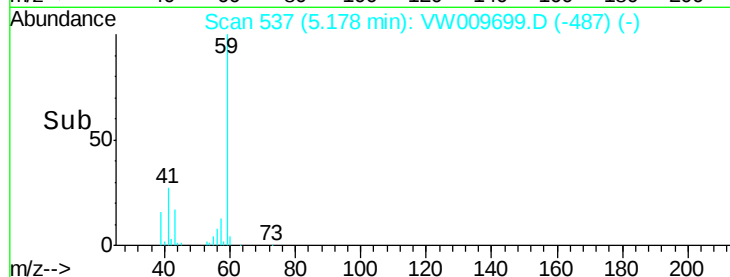
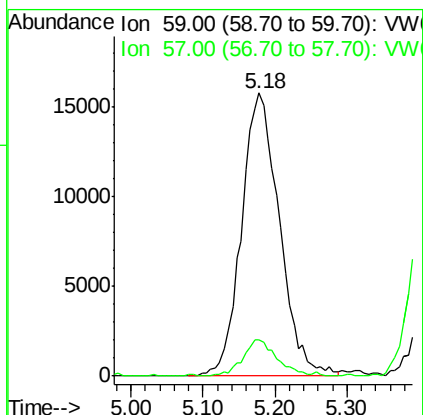
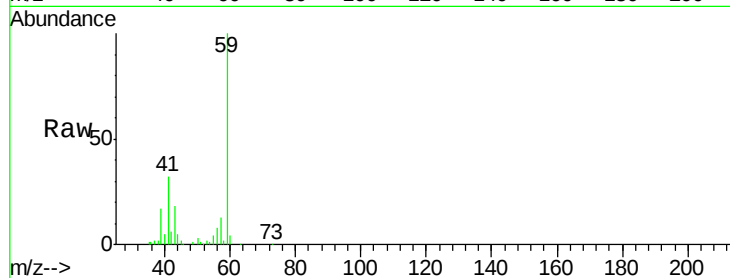


#11

Tert butyl alcohol
 Concen: 258.198 ug/l
 RT: 5.18 min Scan# 537
 Delta R.T. 0.01 min
 Lab File: VW009699.D
 Acq: 04 Apr 2019 16:26

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

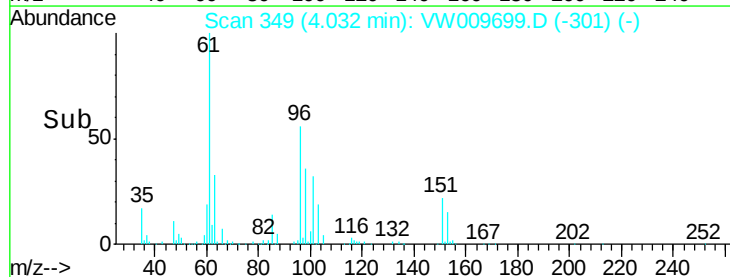
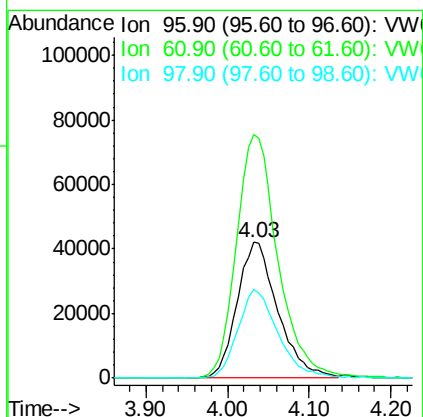
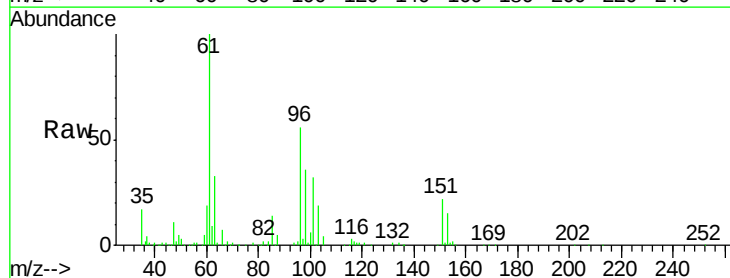
Tgt Ion: 59 Resp: 57761
 Ion Ratio Lower Upper
 59 100
 57 11.6 9.4 14.0

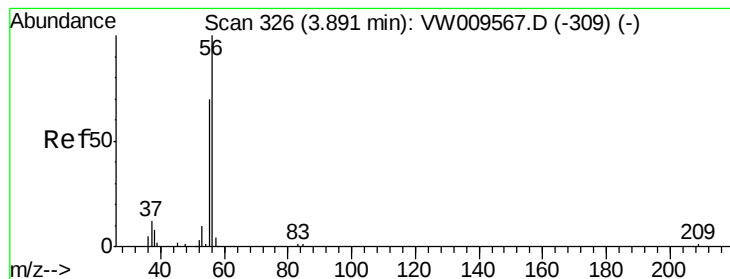


#12

1,1-Dichloroethene
 Concen: 44.710 ug/l
 RT: 4.03 min Scan# 349
 Delta R.T. -0.01 min
 Lab File: VW009699.D
 Acq: 04 Apr 2019 16:26

Tgt Ion: 96 Resp: 145608
 Ion Ratio Lower Upper
 96 100
 61 179.2 138.0 207.0
 98 65.1 49.8 74.8





#13

Acrolein

Concen: 292.174 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.00 min

Lab File: VW009699.D

Acq: 04 Apr 2019 16:26

Instrument :

MSVOA_W

ClientSampleId :

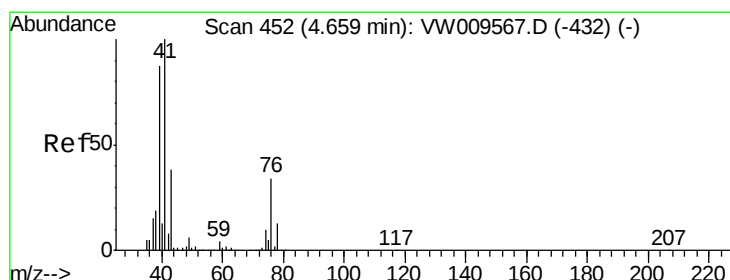
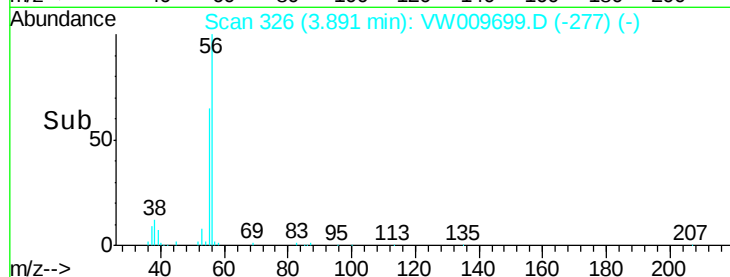
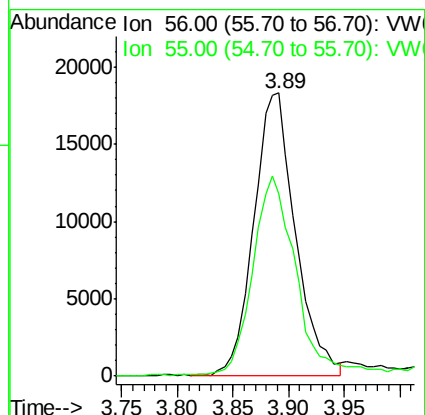
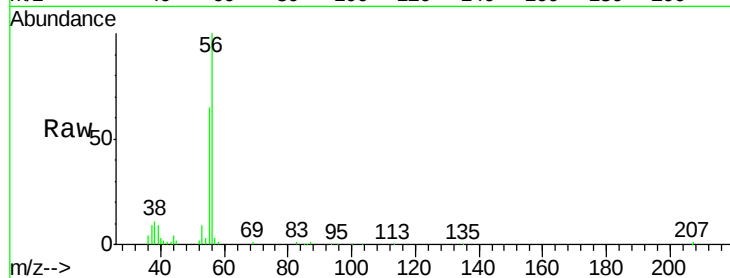
VSTDCCC050EC

Tgt Ion: 56 Resp: 47940

Ion Ratio Lower Upper

56 100

55 74.5 55.2 82.8



#14

Allyl chloride

Concen: 47.882 ug/l

RT: 4.65 min Scan# 451

Delta R.T. -0.01 min

Lab File: VW009699.D

Acq: 04 Apr 2019 16:26

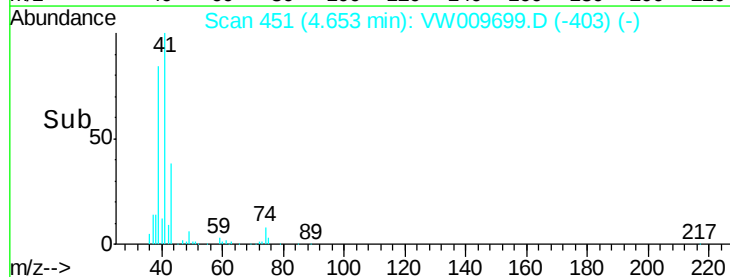
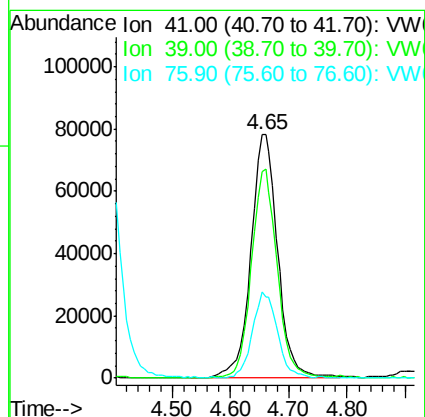
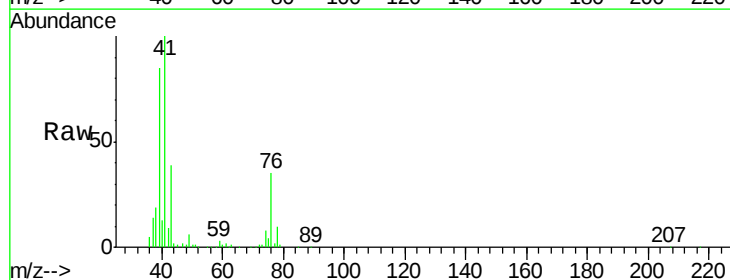
Tgt Ion: 41 Resp: 249413

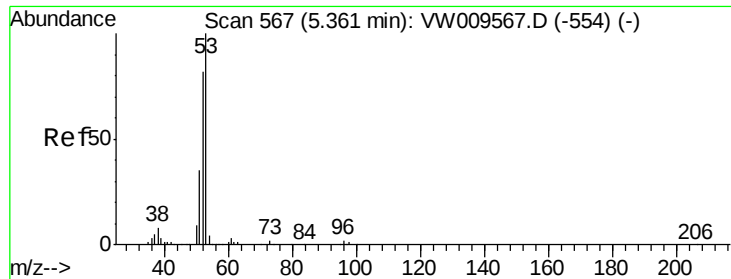
Ion Ratio Lower Upper

41 100

39 82.3 63.8 95.6

76 32.7 27.8 41.6





#15

Acrylonitrile

Concen: 253.152 ug/l

RT: 5.36 min Scan# 567

Delta R.T. 0.00 min

Lab File: VW009699.D

Acq: 04 Apr 2019 16:26

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

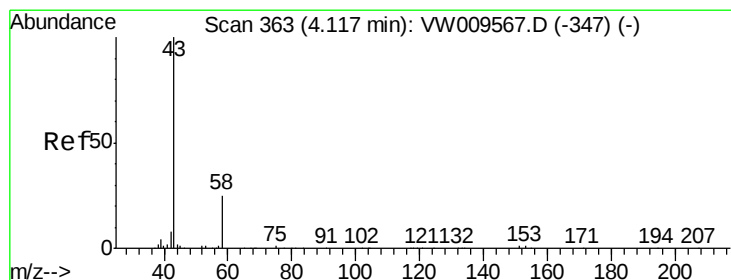
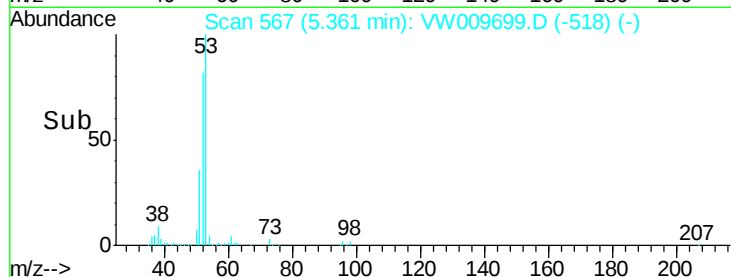
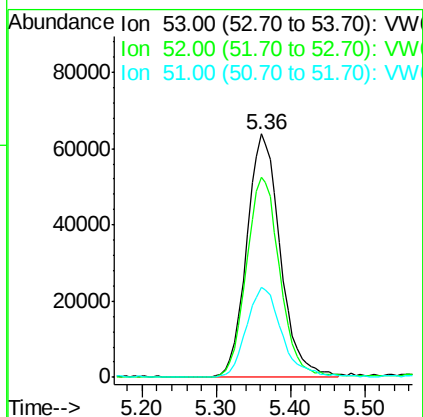
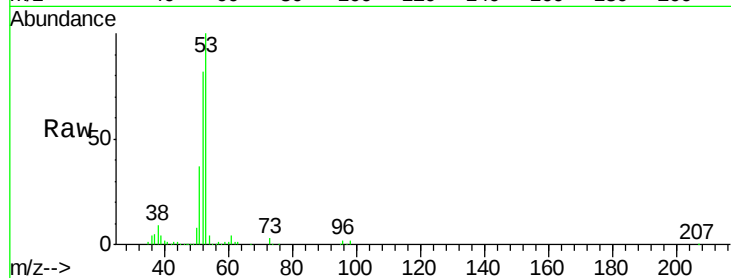
Tgt Ion: 53 Resp: 201529

Ion Ratio Lower Upper

53 100

52 82.4 67.6 101.4

51 38.9 30.6 45.8



#16

Acetone

Concen: 262.855 ug/l

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

Lab File: VW009699.D

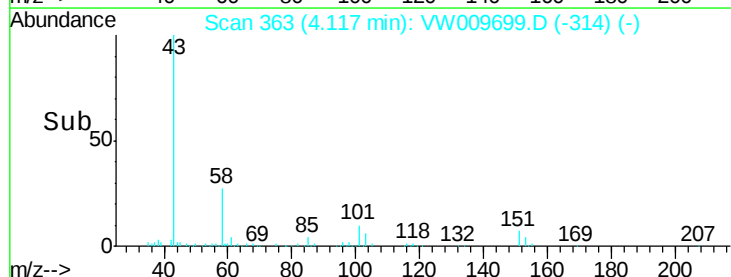
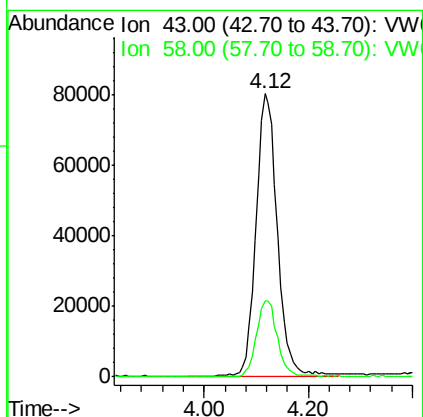
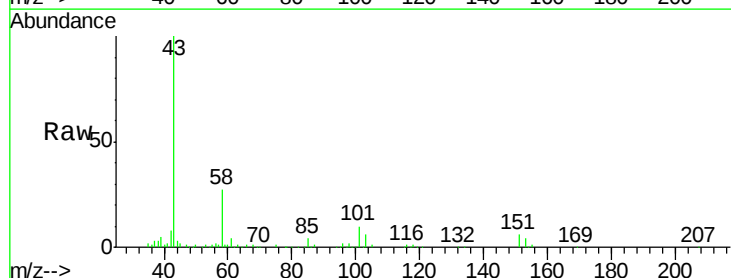
Acq: 04 Apr 2019 16:26

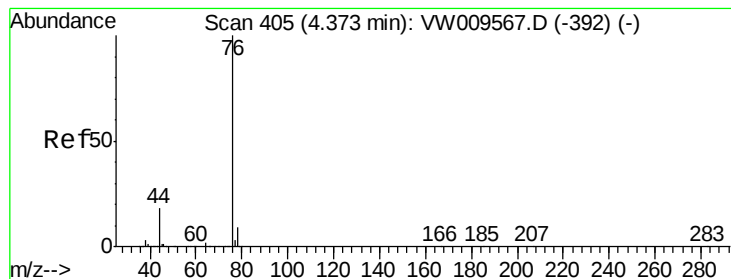
Tgt Ion: 43 Resp: 228024

Ion Ratio Lower Upper

43 100

58 26.6 23.6 35.4





#17

Carbon Disulfide

Concen: 42.249 ug/l

RT: 4.38 min Scan# 406

Delta R.T. 0.01 min

Lab File: VW009699.D

Acq: 04 Apr 2019 16:26

Instrument :

MSVOA_W

ClientSampleId :

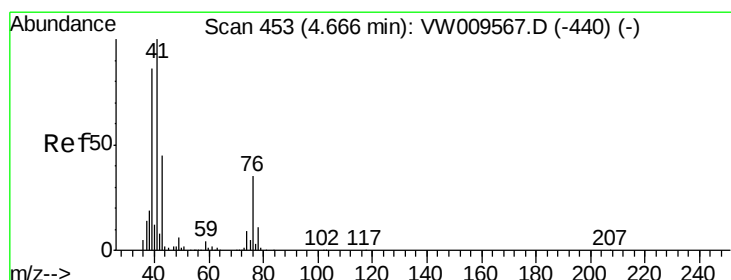
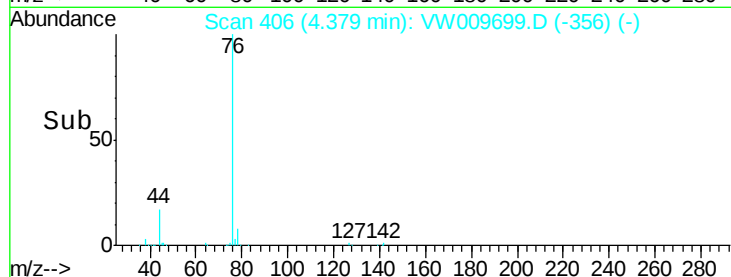
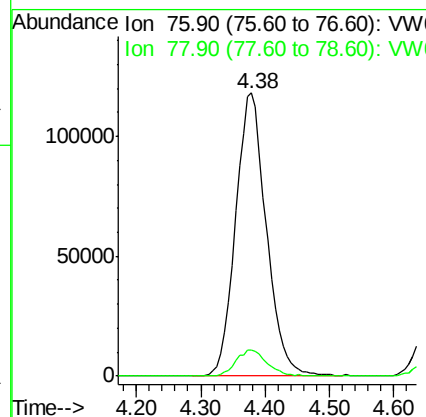
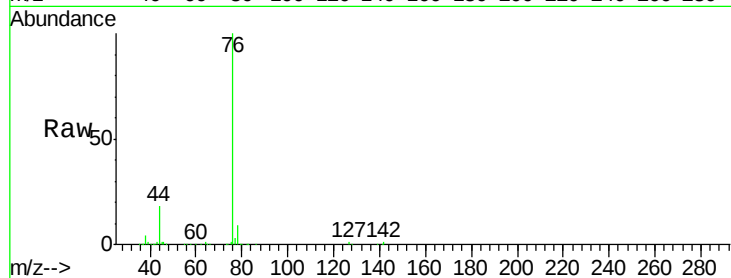
VSTDCCC050EC

Tgt Ion: 76 Resp: 391500

Ion Ratio Lower Upper

76 100

78 9.1 6.6 9.8



#18

Methyl Acetate

Concen: 53.306 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.00 min

Lab File: VW009699.D

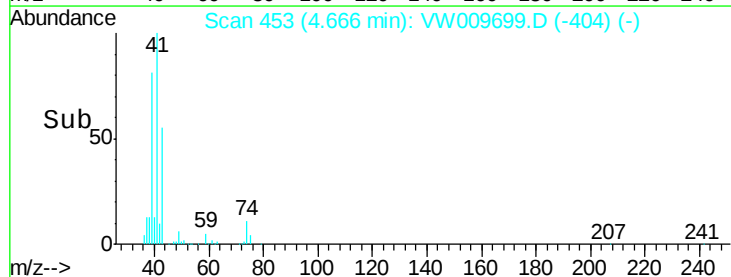
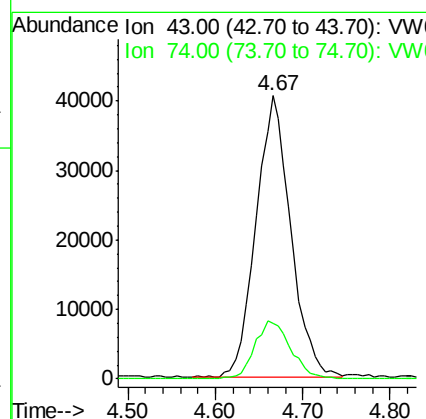
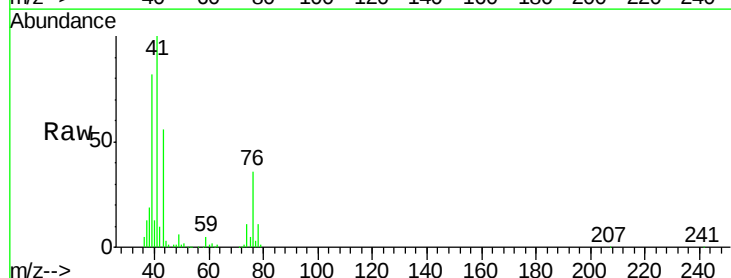
Acq: 04 Apr 2019 16:26

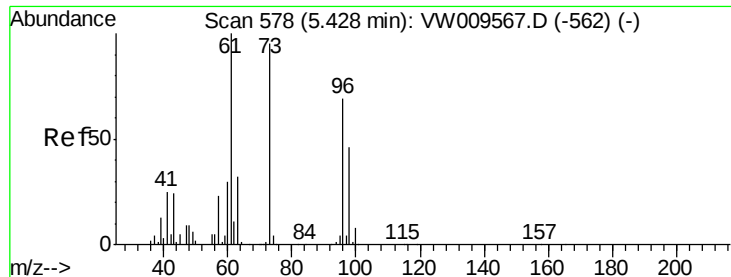
Tgt Ion: 43 Resp: 111782

Ion Ratio Lower Upper

43 100

74 21.4 17.7 26.5



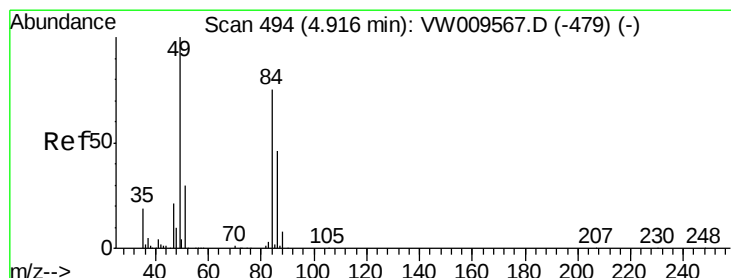
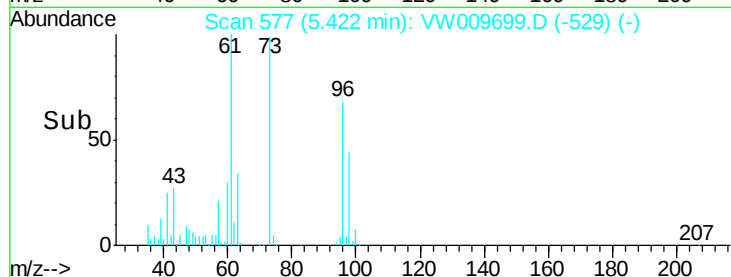
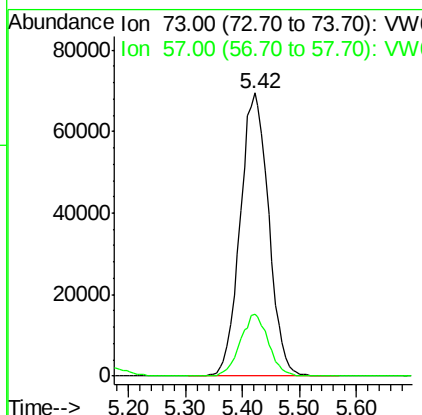
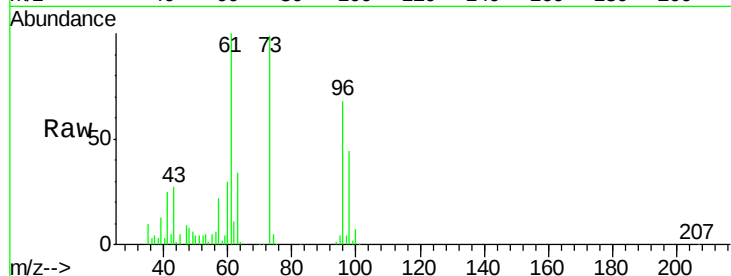


#19

Methyl tert-butyl Ether
 Concen: 53.500 ug/l
 RT: 5.42 min Scan# 577
 Delta R.T. -0.01 min
 Lab File: VW009699.D
 Acq: 04 Apr 2019 16:26

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

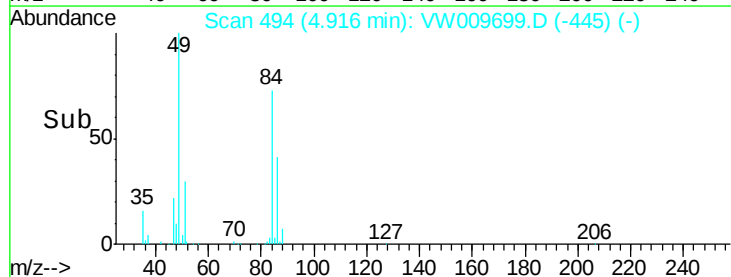
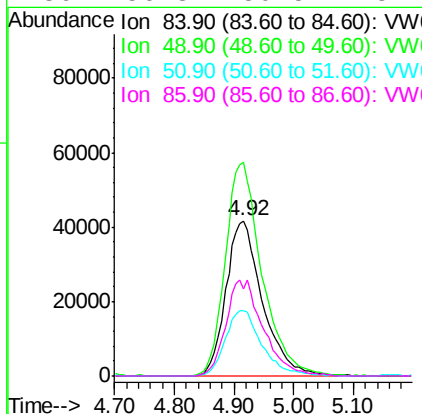
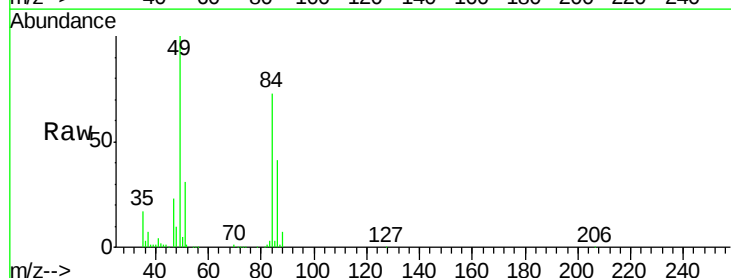
Tgt Ion: 73 Resp: 242327
 Ion Ratio Lower Upper
 73 100
 57 21.9 17.0 25.6

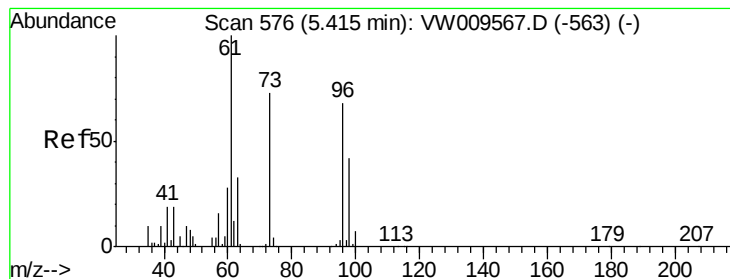


#20

Methylene Chloride
 Concen: 52.115 ug/l
 RT: 4.92 min Scan# 494
 Delta R.T. 0.00 min
 Lab File: VW009699.D
 Acq: 04 Apr 2019 16:26

Tgt Ion: 84 Resp: 176803
 Ion Ratio Lower Upper
 84 100
 49 137.4 99.1 148.7
 51 42.1 28.7 43.1
 86 56.3 50.5 75.7





#21

trans-1,2-Dichloroethene

Concen: 46.720 ug/l

RT: 5.42 min Scan# 576

Delta R.T. 0.00 min

Lab File: VW009699.D

Acq: 04 Apr 2019 16:26

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

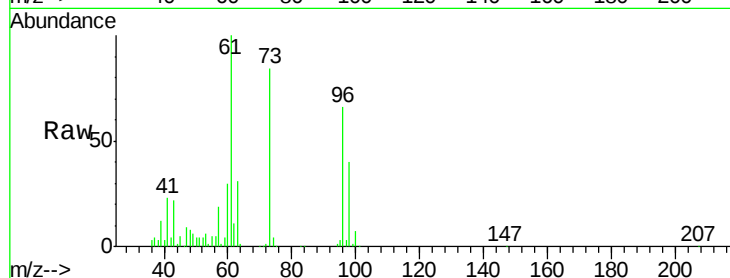
Tgt Ion: 96 Resp: 161546

Ion Ratio Lower Upper

96 100

61 151.5 108.2 162.4

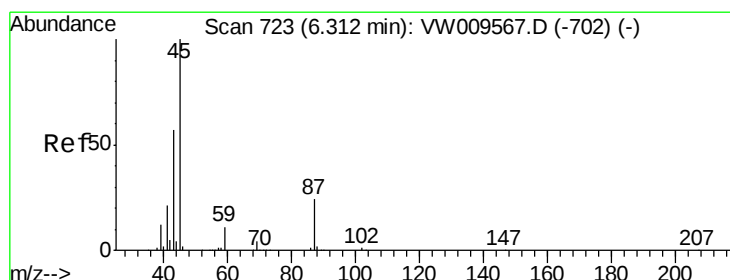
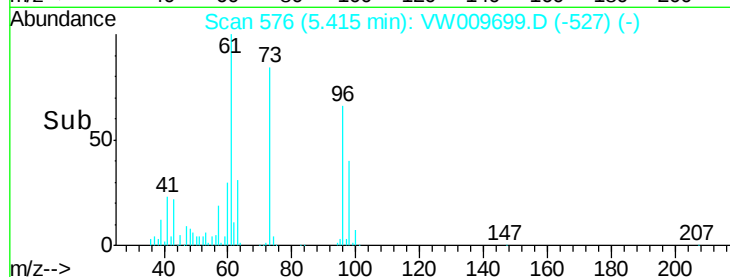
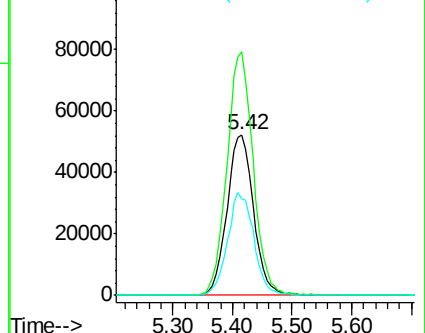
98 59.9 50.9 76.3



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: 49.899 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.01 min

Lab File: VW009699.D

Acq: 04 Apr 2019 16:26

Tgt Ion: 45 Resp: 561331

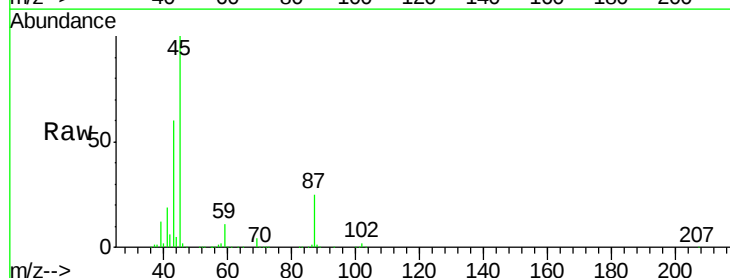
Ion Ratio Lower Upper

45 100

43 60.3 47.9 71.9

87 24.4 20.6 30.8

59 10.4 9.0 13.4

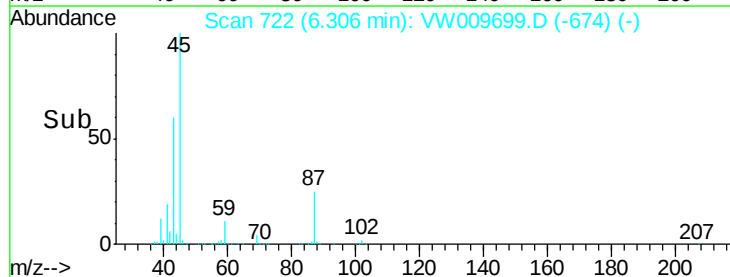
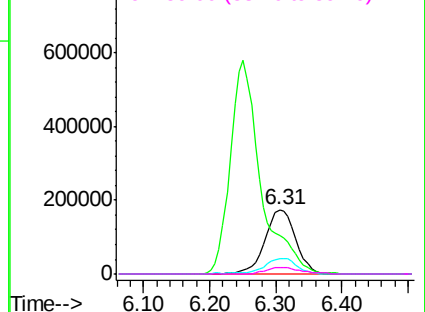


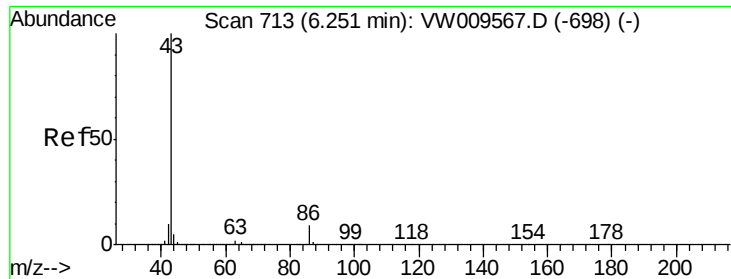
Abundance Ion 45.00 (44.70 to 45.70): VW

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: 264.633 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW009699.D

Acq: 04 Apr 2019 16:26

Instrument :

MSVOA_W

ClientSampleId :

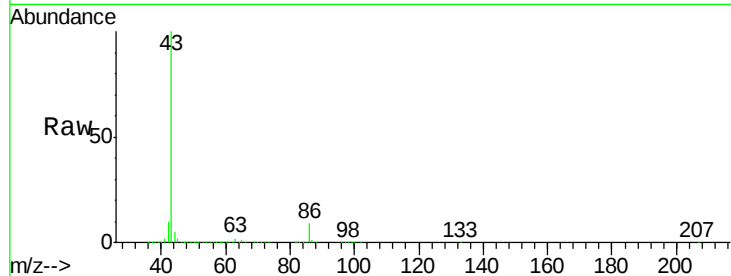
VSTDCCC050EC

Tgt Ion: 43 Resp: 1857133

Ion Ratio Lower Upper

43 100

86 9.2 7.7 11.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW

6.25

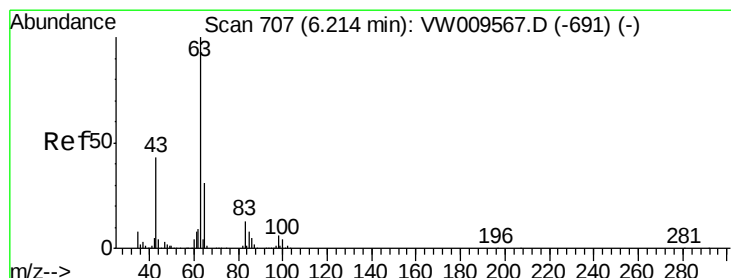
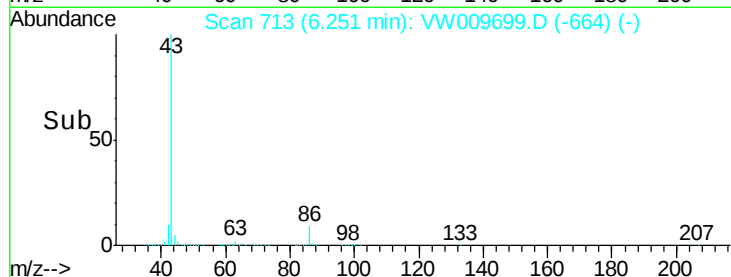
600000

400000

200000

0

Time-->



#24

1,1-Dichloroethane

Concen: 47.092 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW009699.D

Acq: 04 Apr 2019 16:26

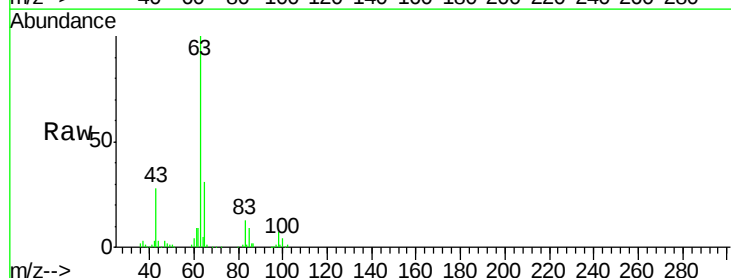
Tgt Ion: 63 Resp: 318853

Ion Ratio Lower Upper

63 100

98 6.7 3.7 11.1

100 4.4 2.4 7.1



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

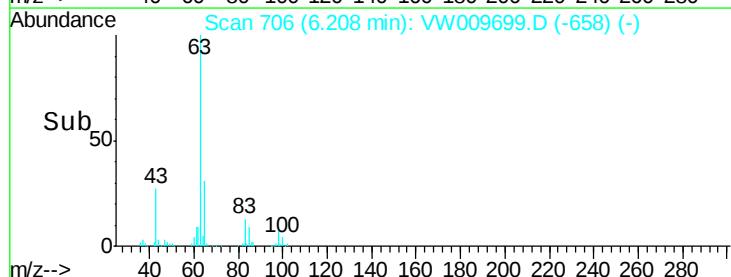
6.21

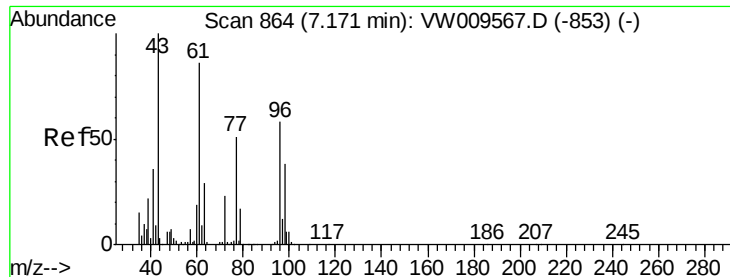
100000

50000

0

Time-->





#25

2-Butanone

Concen: 271.891 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW009699.D

Acq: 04 Apr 2019 16:26

Instrument :

MSVOA_W

ClientSampleId :

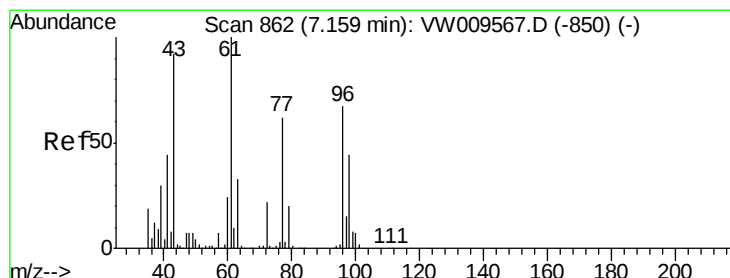
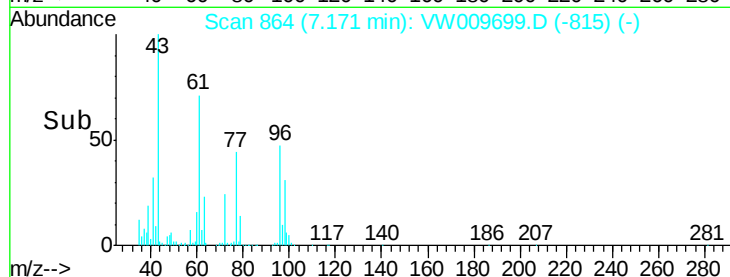
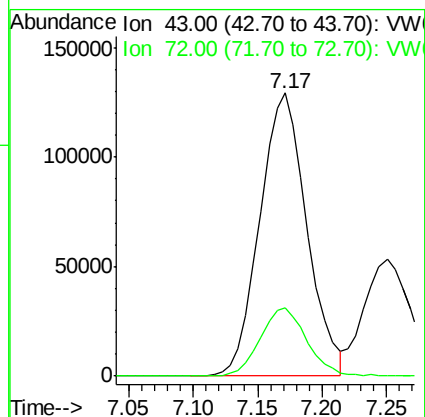
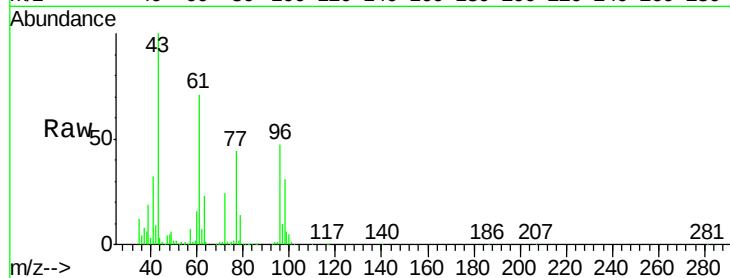
VSTDCCC050EC

Tgt Ion: 43 Resp: 325935

Ion Ratio Lower Upper

43 100

72 24.0 20.0 30.0



#26

2,2-Dichloropropane

Concen: 48.893 ug/l

RT: 7.16 min Scan# 862

Delta R.T. 0.00 min

Lab File: VW009699.D

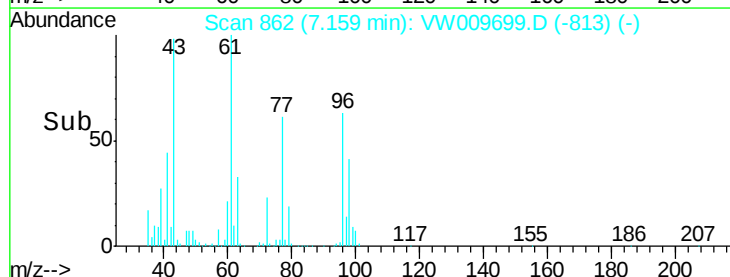
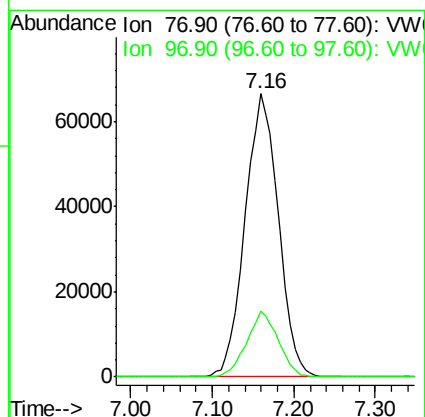
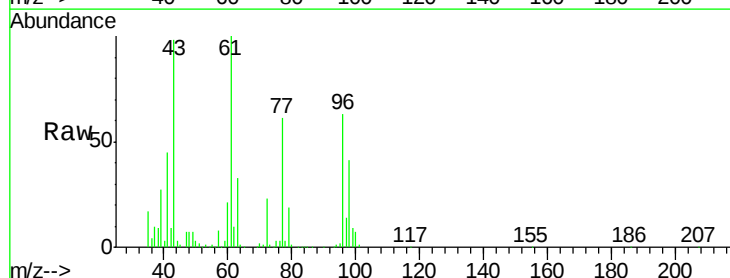
Acq: 04 Apr 2019 16:26

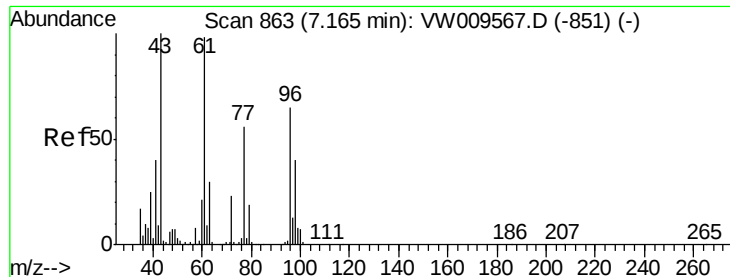
Tgt Ion: 77 Resp: 189267

Ion Ratio Lower Upper

77 100

97 22.1 11.6 34.7



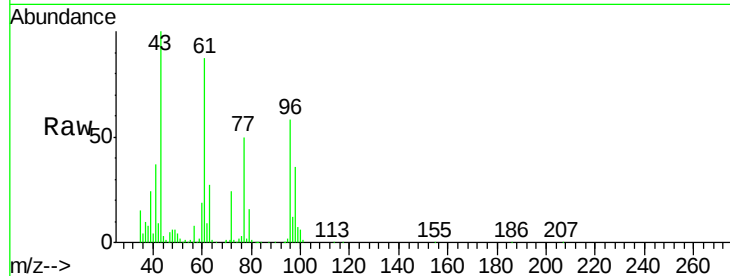


#27

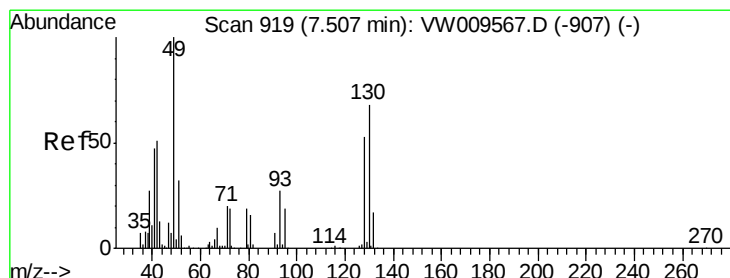
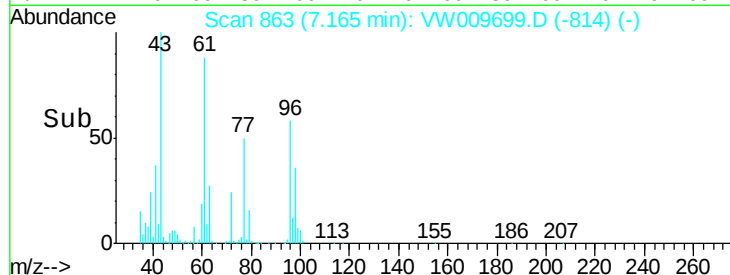
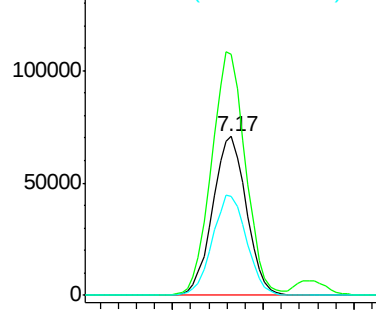
cis-1,2-Dichloroethene
 Concen: 48.393 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. 0.00 min
 Lab File: VW009699.D
 Acq: 04 Apr 2019 16:26

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
96	100		
61	153.6	0.0	289.8
98	63.8	0.0	130.8



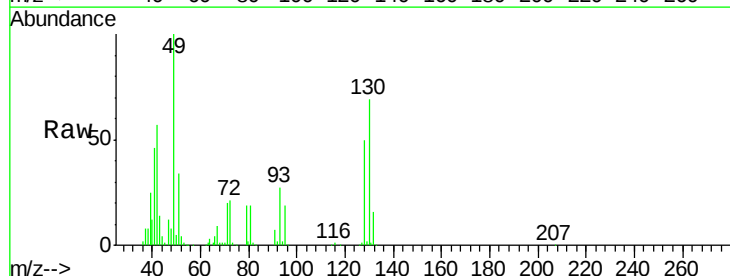
Abundance Ion 95.90 (95.60 to 96.60): VW
 Ion 60.90 (60.60 to 61.60): VW
 Ion 97.90 (97.60 to 98.60): VW



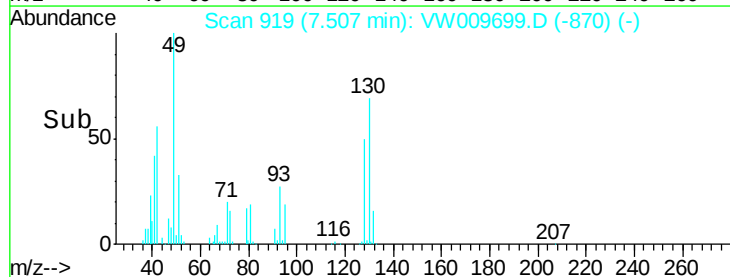
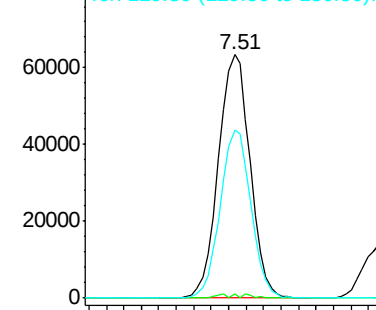
#28

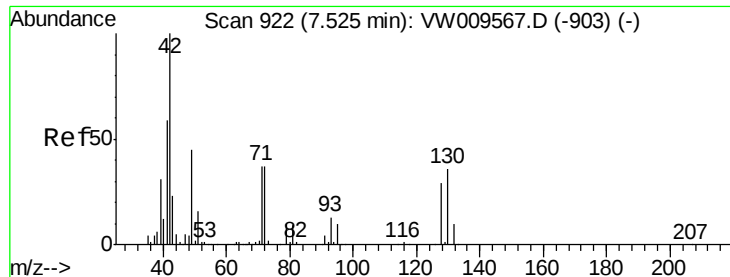
Bromochloromethane
 Concen: 54.462 ug/l
 RT: 7.51 min Scan# 919
 Delta R.T. 0.00 min
 Lab File: VW009699.D
 Acq: 04 Apr 2019 16:26

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.3	0.0	1.4
130	66.9	58.6	88.0



Abundance Ion 48.90 (48.60 to 49.60): VW
 Ion 128.80 (128.50 to 129.50): V
 Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 269.779 ug/l

RT: 7.52 min Scan# 922

Delta R.T. 0.00 min

Lab File: VW009699.D

Acq: 04 Apr 2019 16:26

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

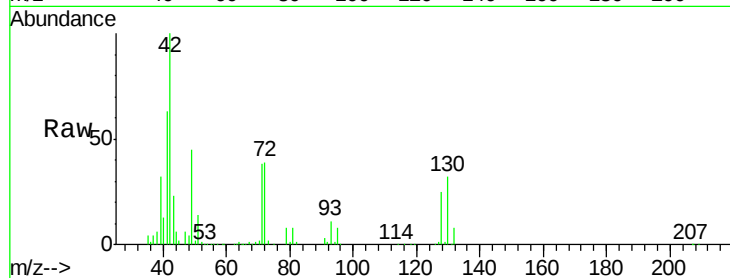
Tgt Ion: 42 Resp: 200813

Ion Ratio Lower Upper

42 100

72 39.1 32.4 48.6

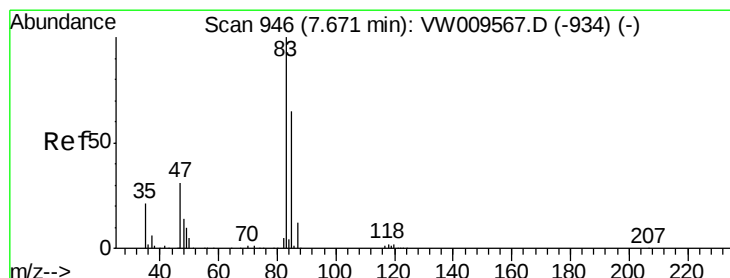
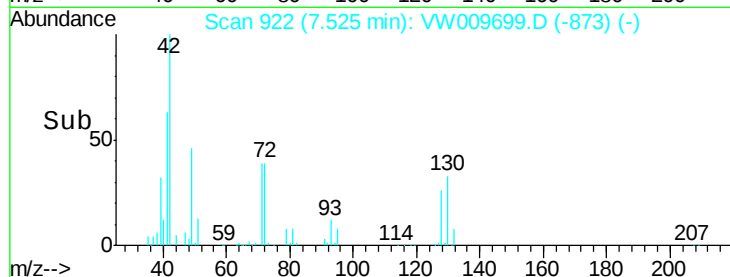
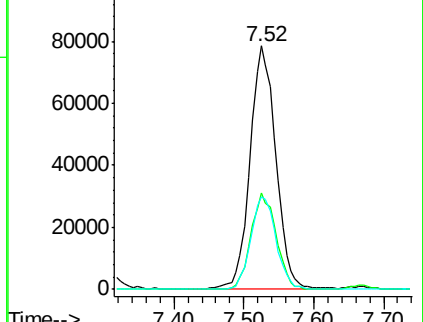
71 37.6 30.1 45.1



Abundance Ion 42.00 (41.70 to 42.70): VW

Ion 72.00 (71.70 to 72.70): VW

Ion 71.00 (70.70 to 71.70): VW



#30

Chloroform

Concen: 48.156 ug/l

RT: 7.67 min Scan# 946

Delta R.T. 0.00 min

Lab File: VW009699.D

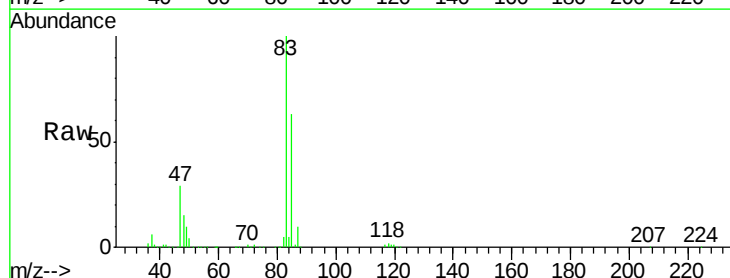
Acq: 04 Apr 2019 16:26

Tgt Ion: 83 Resp: 337698

Ion Ratio Lower Upper

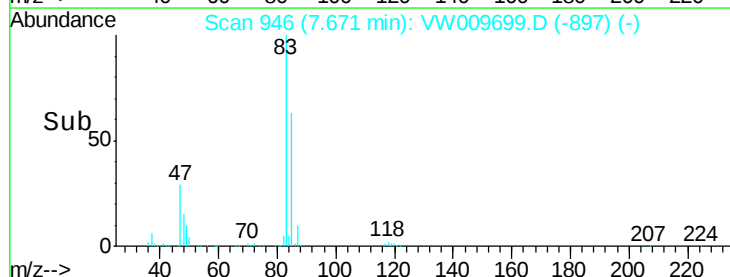
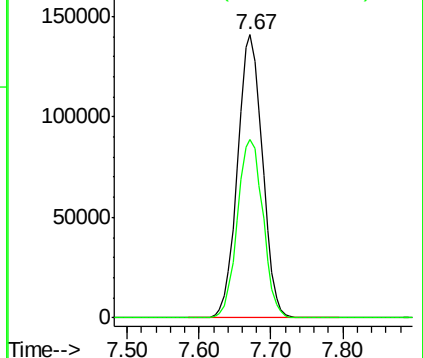
83 100

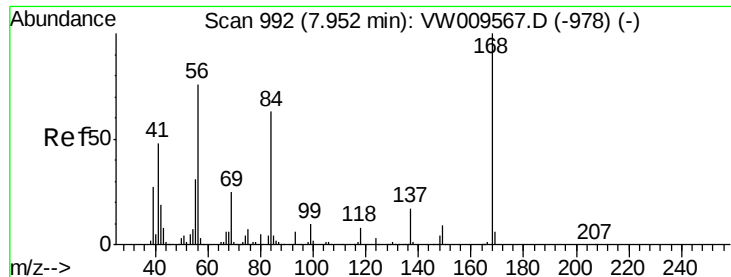
85 62.9 51.0 76.6



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

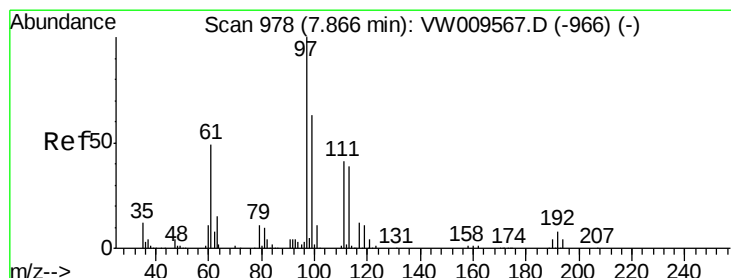
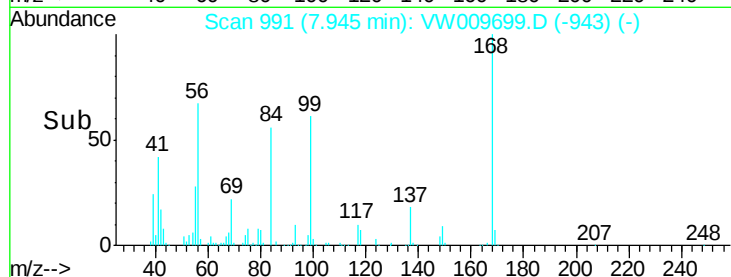
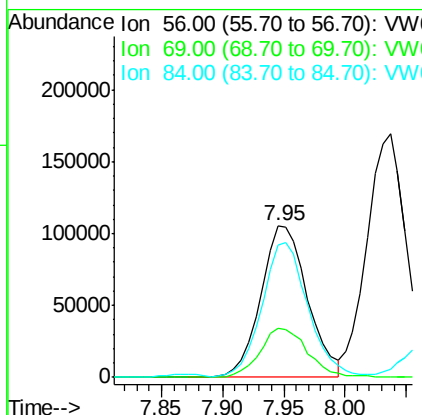
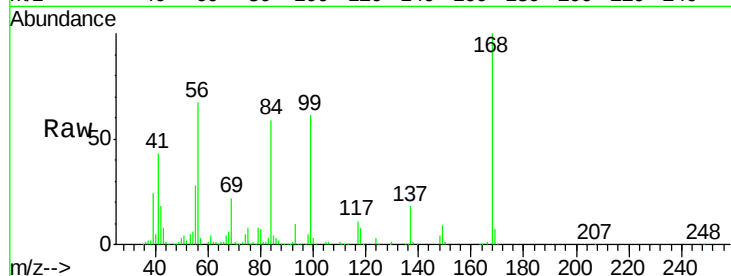




#31
Cyclohexane
Concen: 44.014 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW009699.D
Acq: 04 Apr 2019 16:26

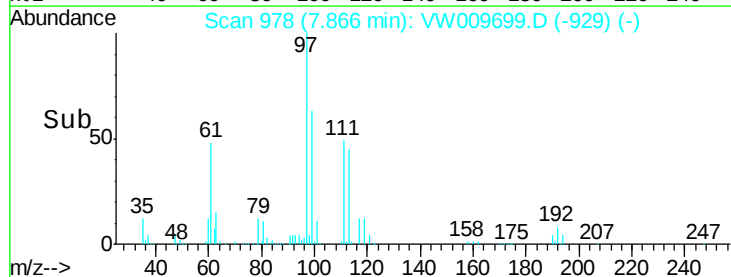
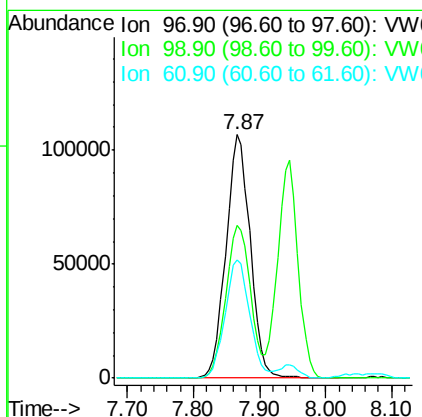
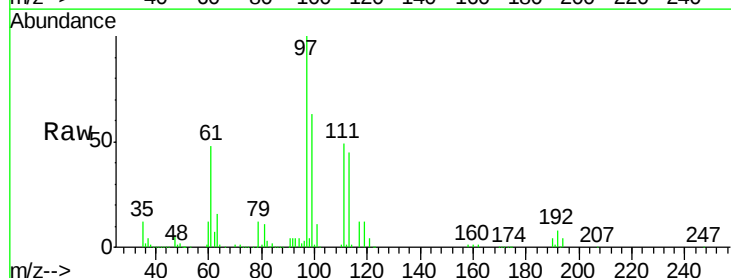
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

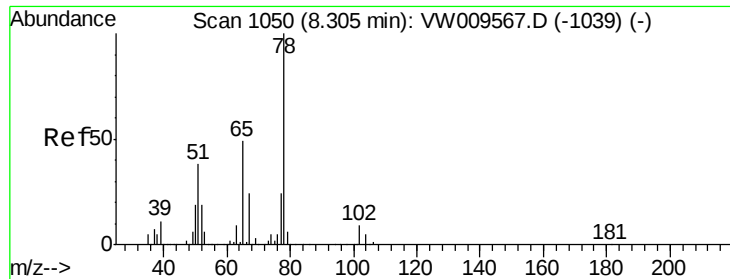
Tgt Ion: 56 Resp: 279387
Ion Ratio Lower Upper
56 100
69 32.2 26.1 39.1
84 85.1 68.6 103.0



#32
1,1,1-Trichloroethane
Concen: 47.662 ug/l
RT: 7.87 min Scan# 978
Delta R.T. 0.00 min
Lab File: VW009699.D
Acq: 04 Apr 2019 16:26

Tgt Ion: 97 Resp: 270581
Ion Ratio Lower Upper
97 100
99 64.7 51.9 77.9
61 49.6 36.8 55.2

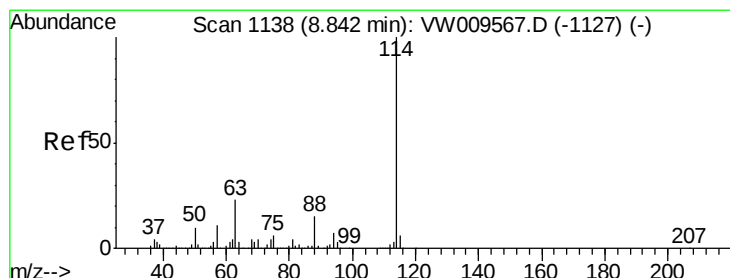
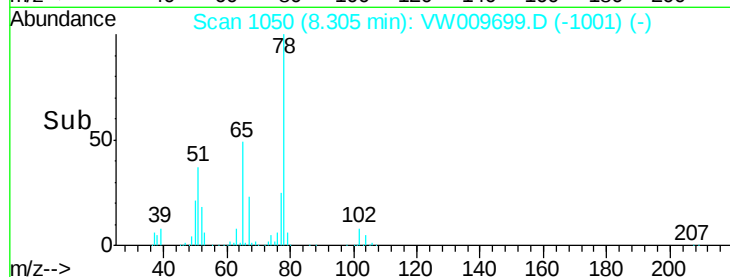
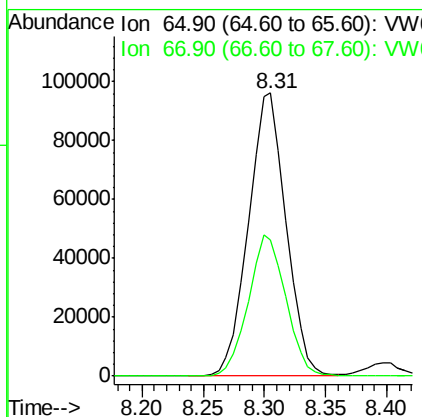
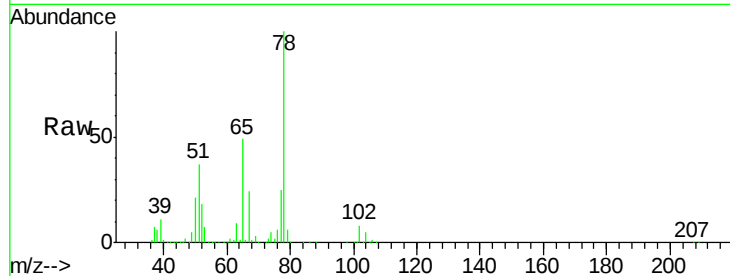




#33
 1,2-Dichloroethane-d4
 Concen: 53.338 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW009699.D
 Acq: 04 Apr 2019 16:26

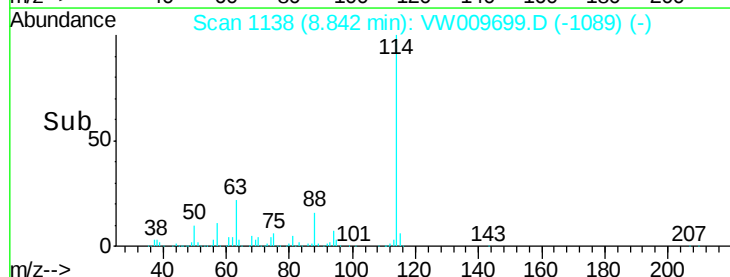
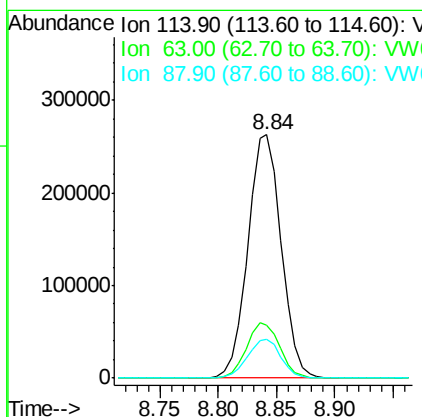
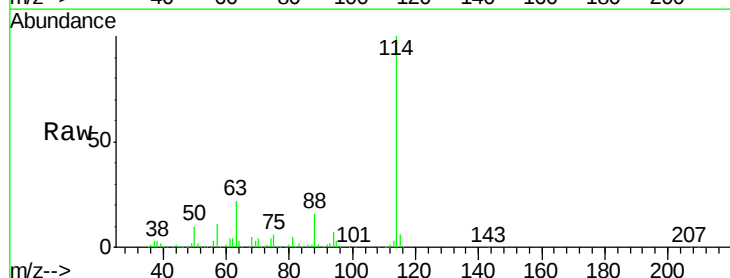
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

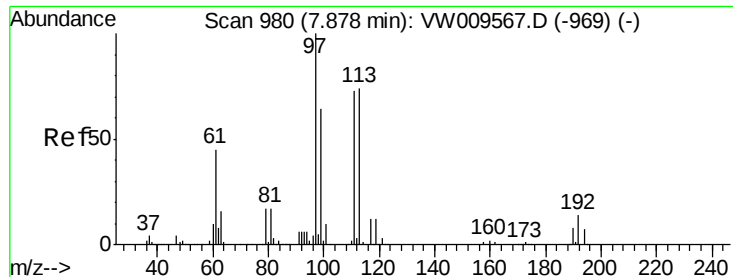
Tgt Ion: 65 Resp: 205795
 Ion Ratio Lower Upper
 65 100
 67 49.8 0.0 102.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW009699.D
 Acq: 04 Apr 2019 16:26

Tgt Ion: 114 Resp: 524026
 Ion Ratio Lower Upper
 114 100
 63 22.0 0.0 42.2
 88 16.1 0.0 30.8

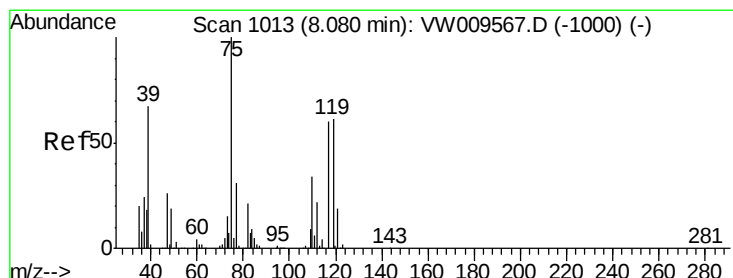
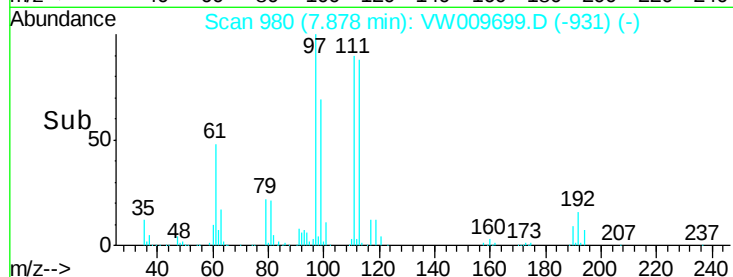
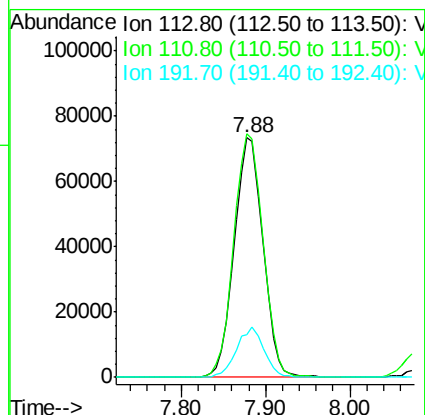
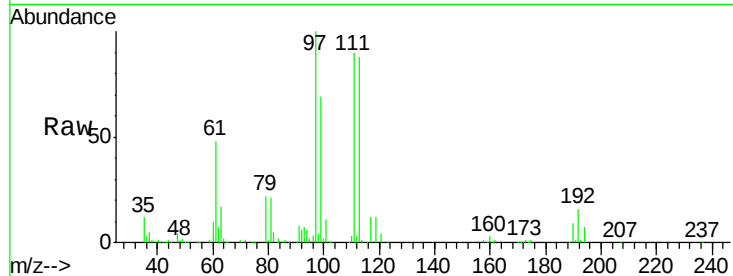




#35
 Dibromofluoromethane
 Concen: 51.457 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. 0.00 min
 Lab File: VW009699.D
 Acq: 04 Apr 2019 16:26

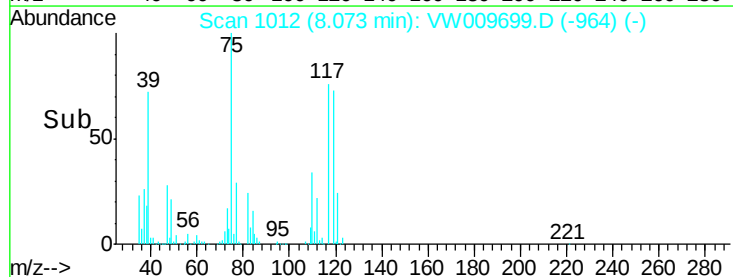
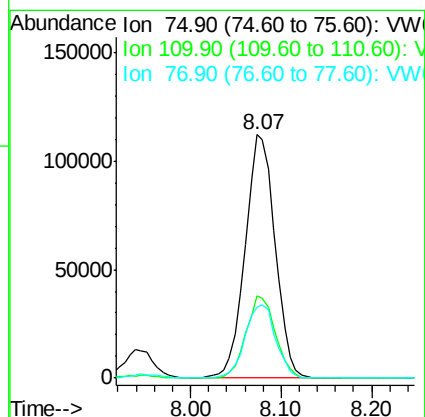
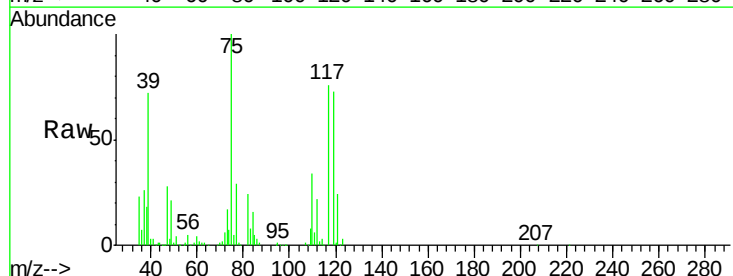
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

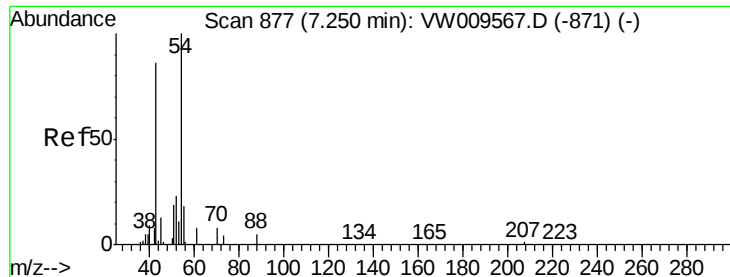
Tgt Ion: 113 Resp: 169360
 Ion Ratio Lower Upper
 113 100
 111 103.7 82.6 124.0
 192 20.1 16.4 24.6



#36
 1,1-Dichloropropene
 Concen: 47.239 ug/l
 RT: 8.07 min Scan# 1012
 Delta R.T. -0.01 min
 Lab File: VW009699.D
 Acq: 04 Apr 2019 16:26

Tgt Ion: 75 Resp: 256045
 Ion Ratio Lower Upper
 75 100
 110 33.2 16.8 50.4
 77 30.8 24.6 36.8





#37

Ethyl Acetate

Concen: 52.513 ug/l

RT: 7.25 min Scan# 877

Delta R.T. 0.00 min

Lab File: VW009699.D

Acq: 04 Apr 2019 16:26

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

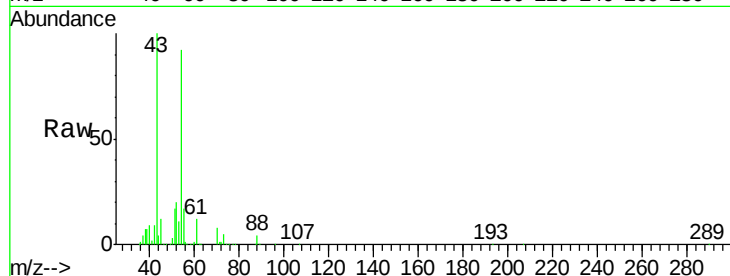
Tgt Ion: 43 Resp: 135224

Ion Ratio Lower Upper

43 100

61 12.4 10.0 15.0

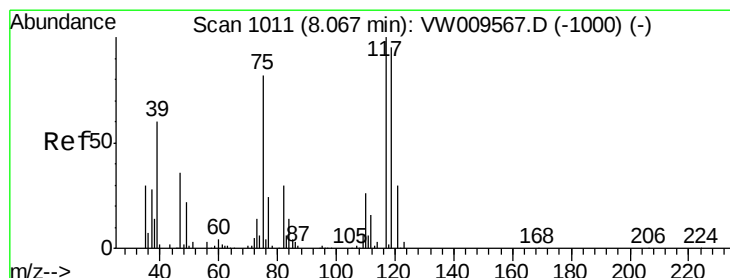
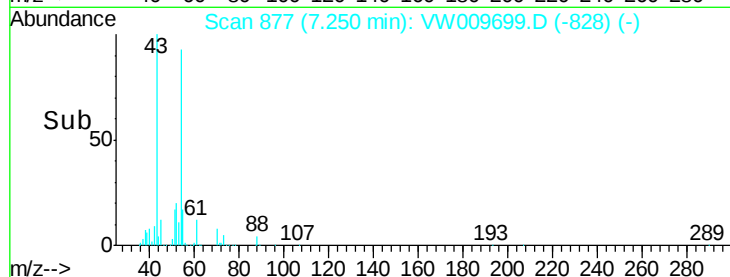
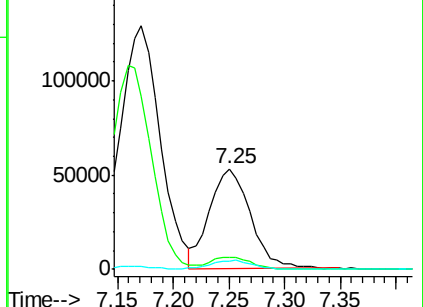
70 8.9 7.3 10.9



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 70.00 (69.70 to 70.70): VW



#38

Carbon Tetrachloride

Concen: 46.699 ug/l

RT: 8.06 min Scan# 1010

Delta R.T. -0.01 min

Lab File: VW009699.D

Acq: 04 Apr 2019 16:26

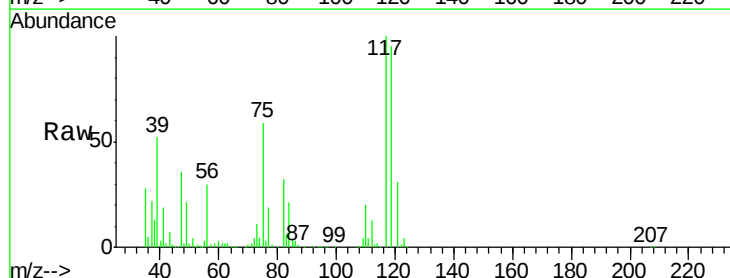
Tgt Ion: 117 Resp: 259360

Ion Ratio Lower Upper

117 100

119 95.0 75.4 113.0

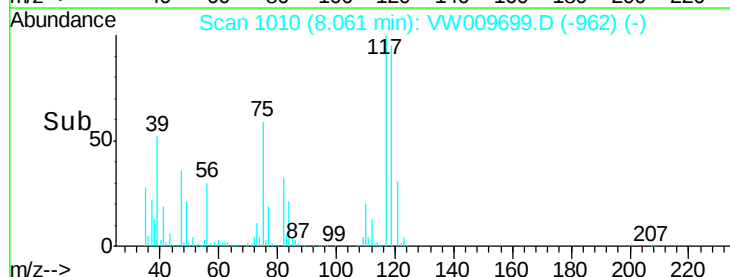
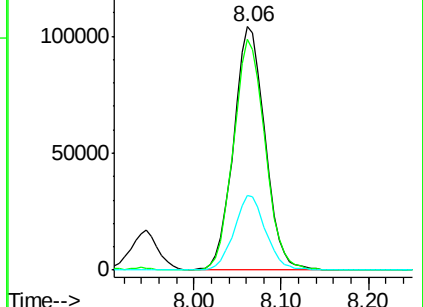
121 30.6 24.9 37.3

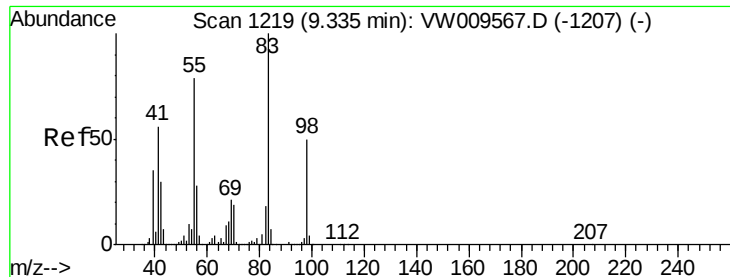


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

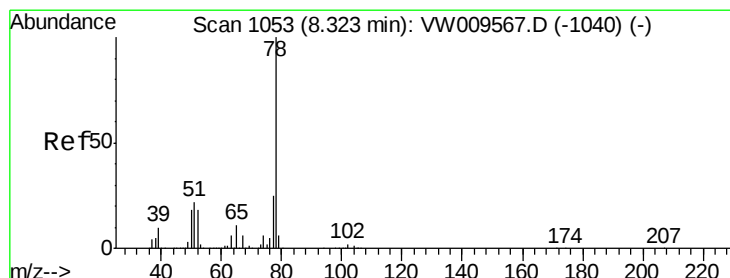
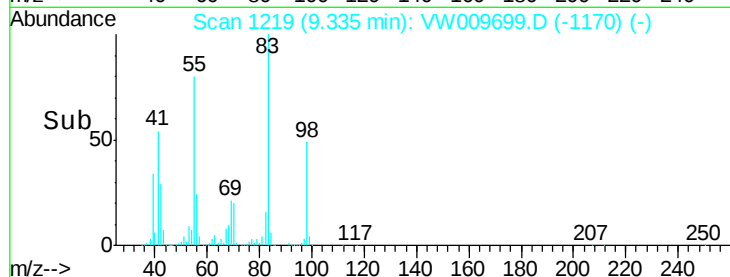
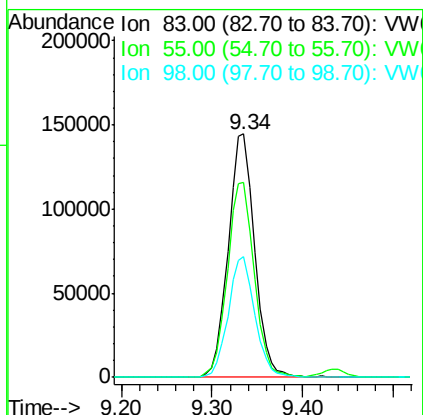
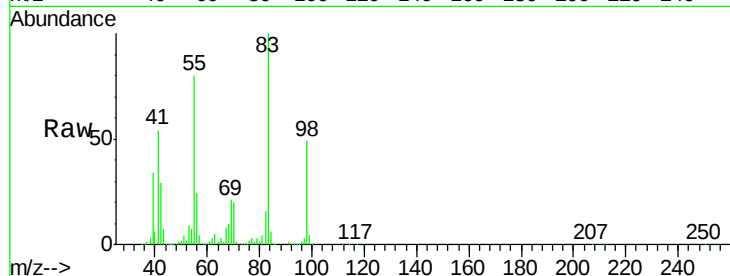




#39
Methylcyclohexane
Concen: 47.897 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW009699.D
Acq: 04 Apr 2019 16:26

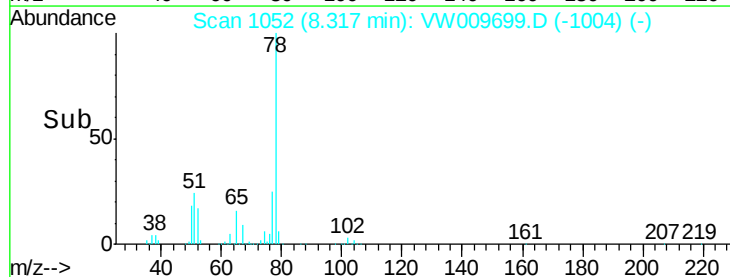
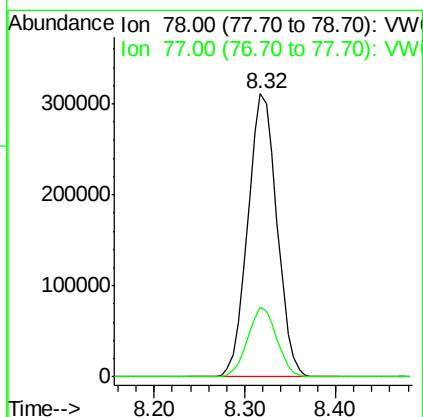
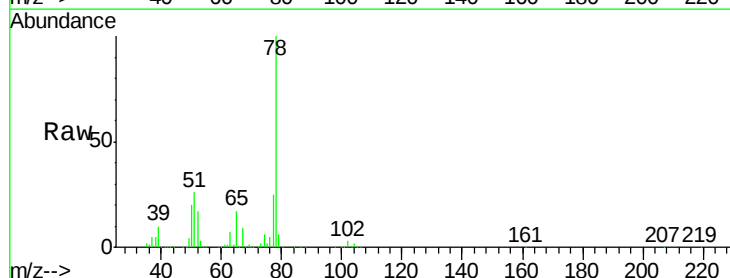
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

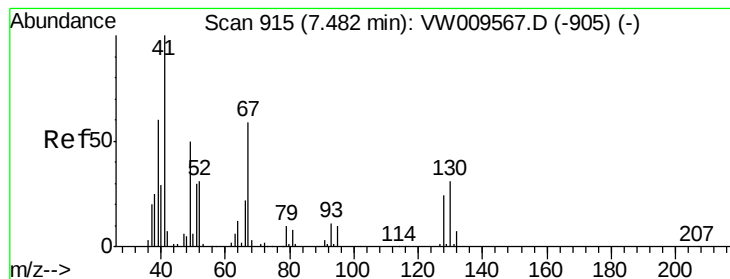
Tgt Ion: 83 Resp: 296549
Ion Ratio Lower Upper
83 100
55 80.3 61.1 91.7
98 49.5 39.0 58.4



#40
Benzene
Concen: 47.062 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VW009699.D
Acq: 04 Apr 2019 16:26

Tgt Ion: 78 Resp: 690929
Ion Ratio Lower Upper
78 100
77 24.7 19.8 29.6





#41

Methacrylonitrile

Concen: 49.490 ug/l

RT: 7.48 min Scan# 915

Delta R.T. 0.00 min

Lab File: VW009699.D

Acq: 04 Apr 2019 16:26

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 41 Resp: 82920

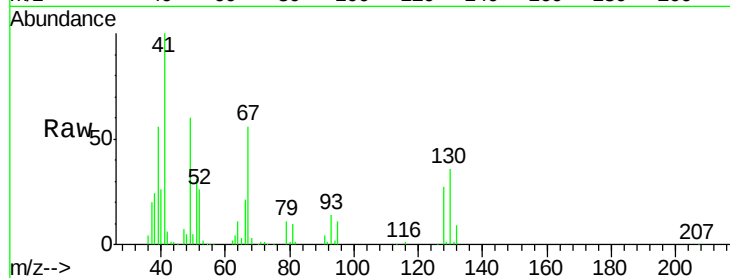
Ion Ratio Lower Upper

41 100

39 57.6 52.5 78.7

67 61.4 56.6 84.8

52 29.2 27.2 40.8

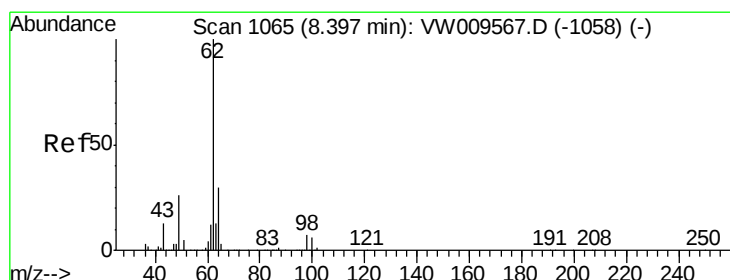
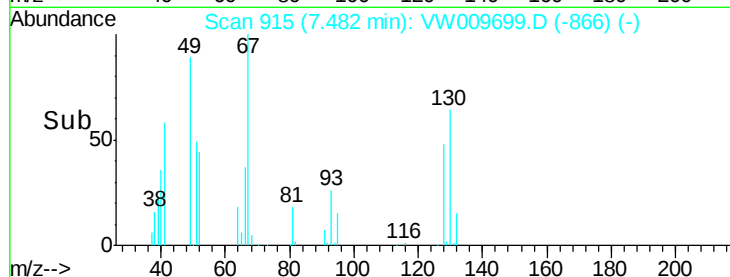
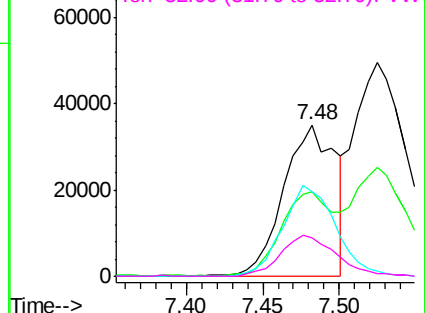


Abundance Ion 41.00 (40.70 to 41.70): VW

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: 49.618 ug/l

RT: 8.40 min Scan# 1065

Delta R.T. 0.00 min

Lab File: VW009699.D

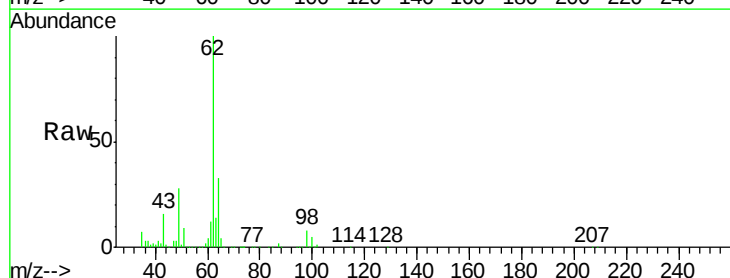
Acq: 04 Apr 2019 16:26

Tgt Ion: 62 Resp: 248345

Ion Ratio Lower Upper

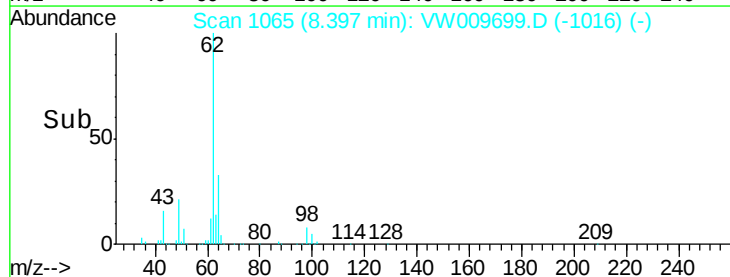
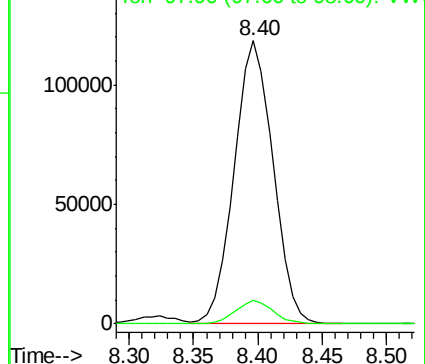
62 100

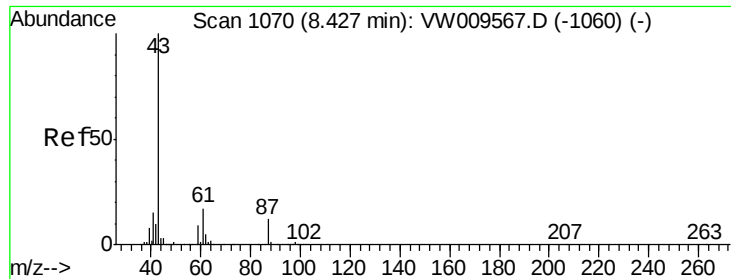
98 8.0 0.0 17.4



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 53.015 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.01 min

Lab File: VW009699.D

Acq: 04 Apr 2019 16:26

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

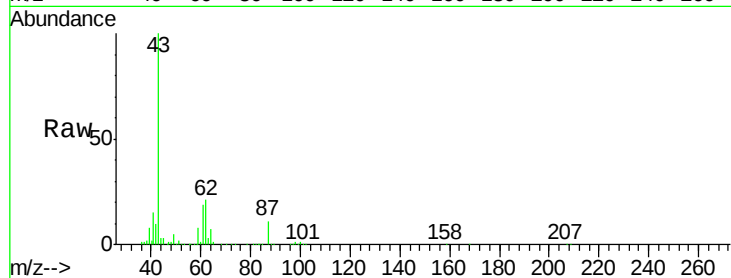
Tgt Ion: 43 Resp: 267547

Ion Ratio Lower Upper

43 100

61 26.8 22.2 33.2

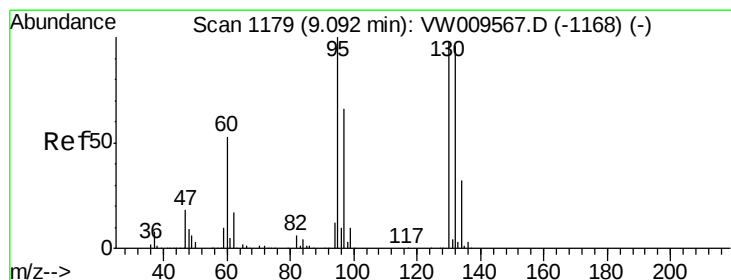
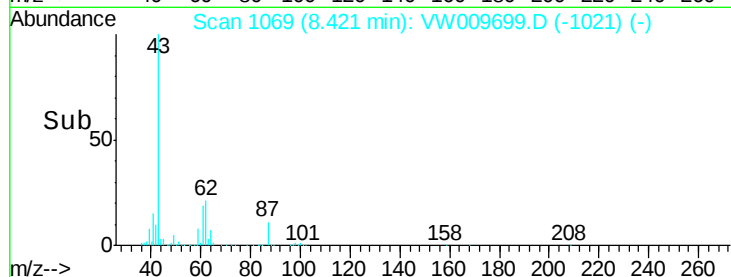
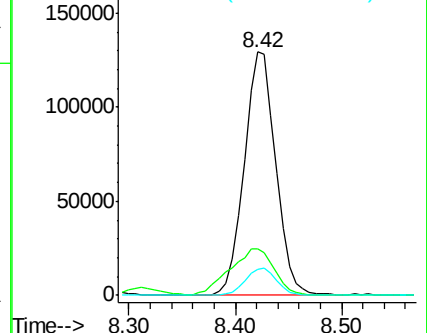
87 11.2 9.6 14.4



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: 47.454 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW009699.D

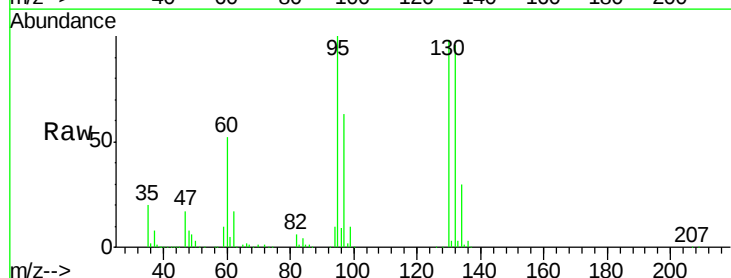
Acq: 04 Apr 2019 16:26

Tgt Ion: 130 Resp: 180366

Ion Ratio Lower Upper

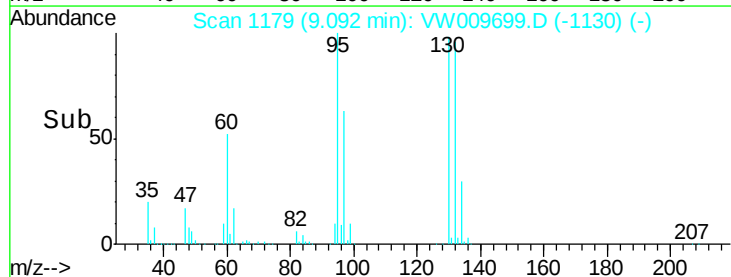
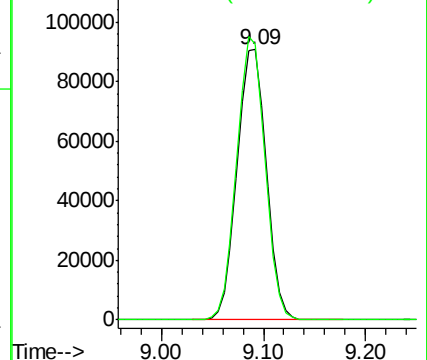
130 100

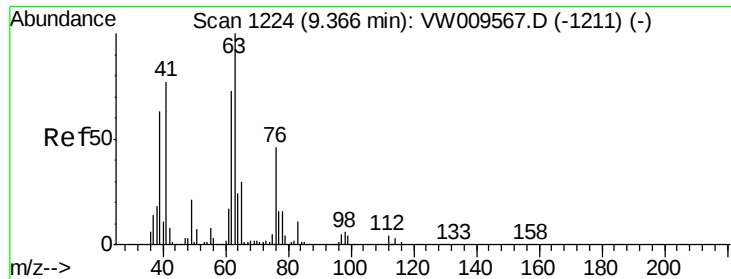
95 101.9 0.0 192.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW

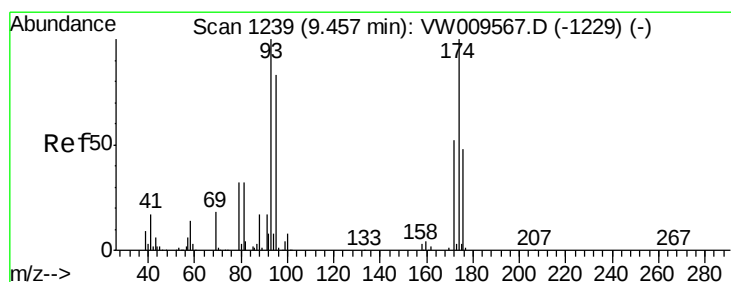
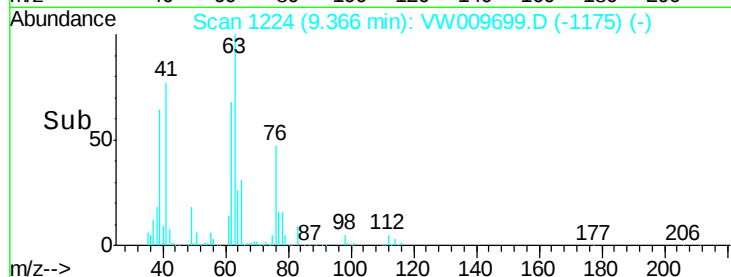
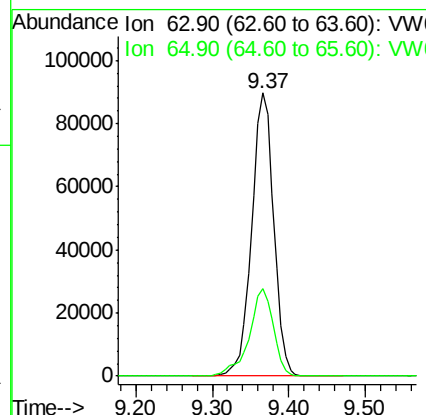
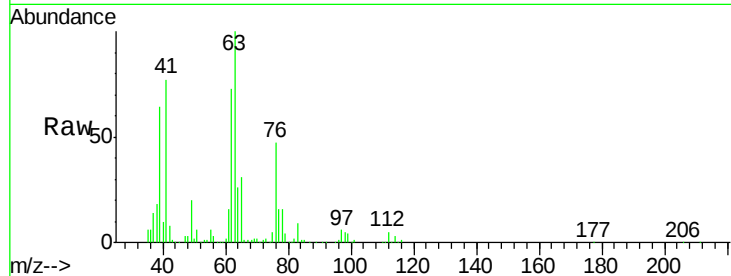




#45
 1,2-Dichloropropane
 Concen: 47.919 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW009699.D
 Acq: 04 Apr 2019 16:26

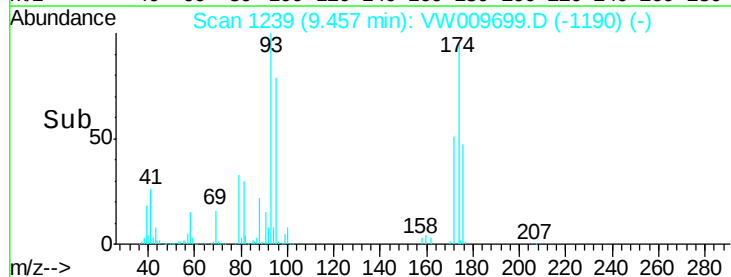
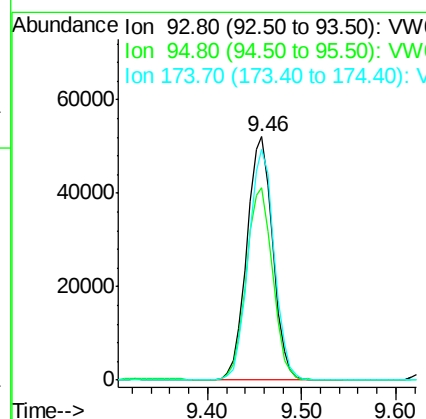
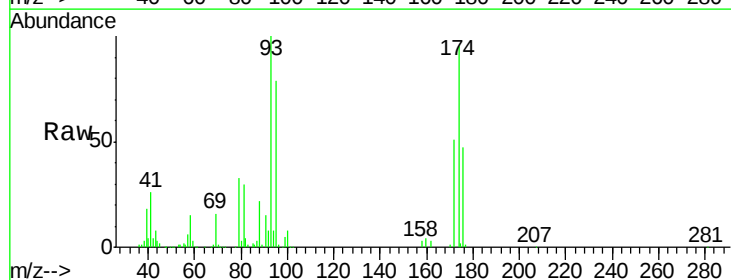
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

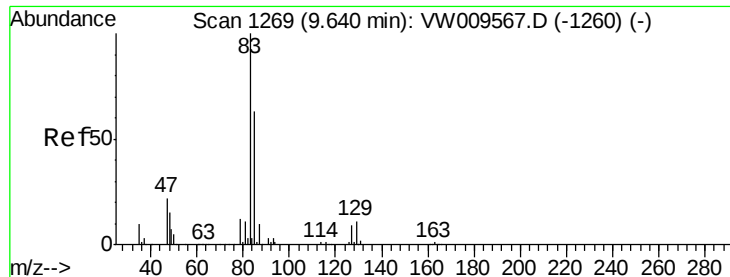
Tgt Ion: 63 Resp: 180071
 Ion Ratio Lower Upper
 63 100
 65 31.0 25.8 38.8



#46
 Dibromomethane
 Concen: 49.389 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW009699.D
 Acq: 04 Apr 2019 16:26

Tgt Ion: 93 Resp: 100542
 Ion Ratio Lower Upper
 93 100
 95 80.5 66.9 100.3
 174 94.4 80.8 121.2





#47

Bromodichloromethane

Concen: 49.234 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VW009699.D

Acq: 04 Apr 2019 16:26

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

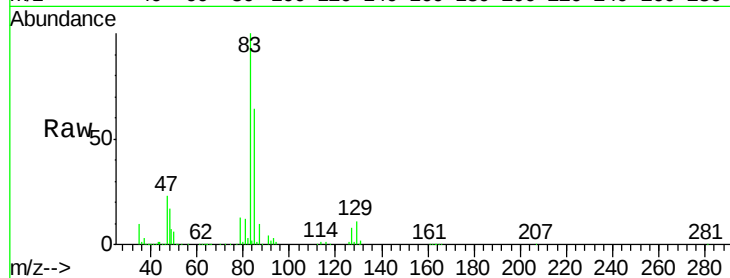
Tgt Ion: 83 Resp: 255662

Ion Ratio Lower Upper

83 100

85 64.2 52.6 79.0

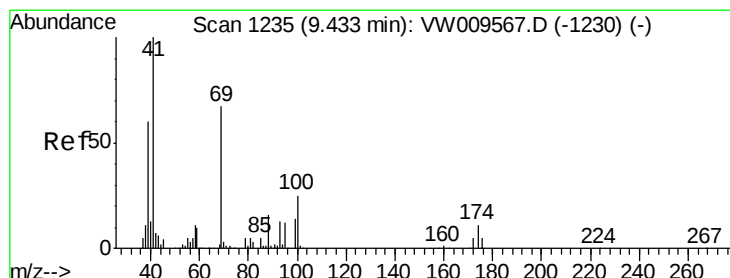
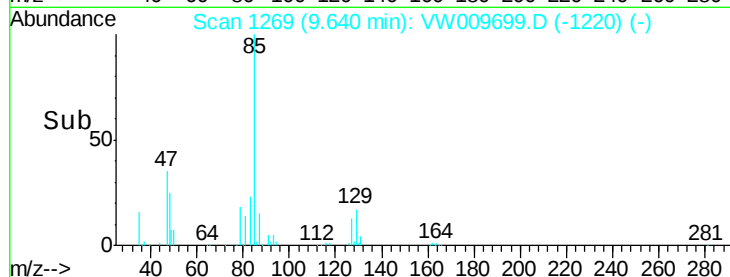
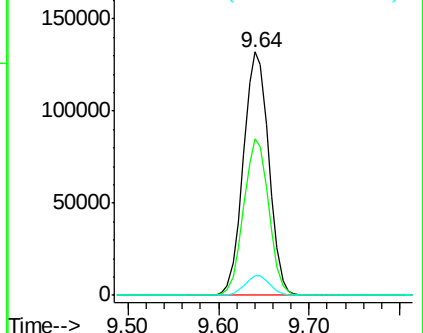
127 8.2 6.5 9.7



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: 55.147 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. 0.00 min

Lab File: VW009699.D

Acq: 04 Apr 2019 16:26

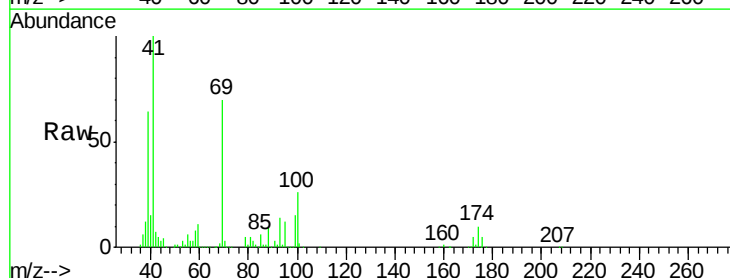
Tgt Ion: 41 Resp: 130460

Ion Ratio Lower Upper

41 100

69 75.2 63.0 94.6

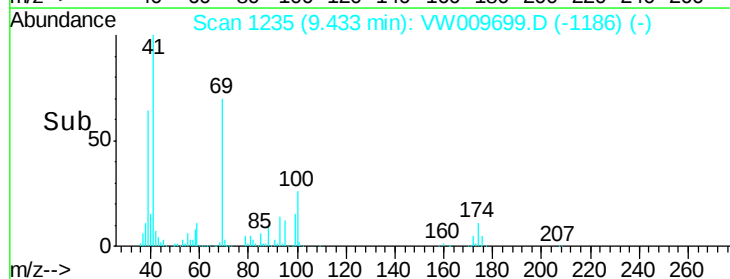
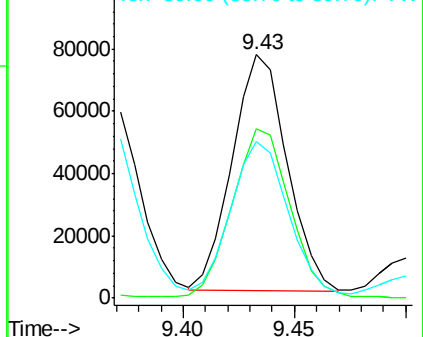
39 70.5 57.2 85.8

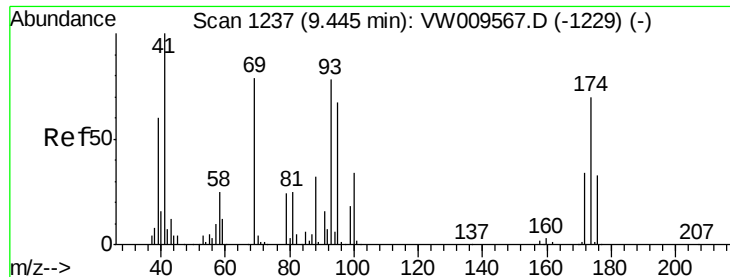


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW

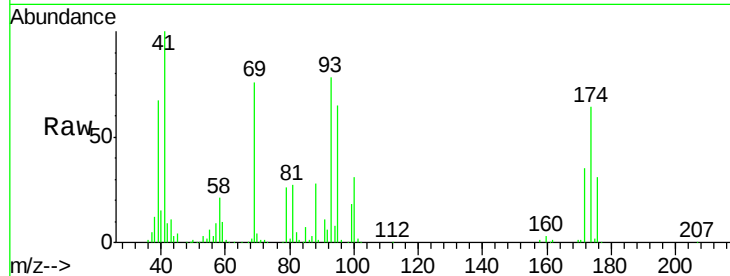




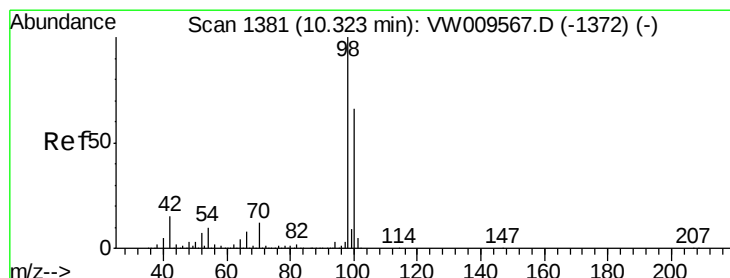
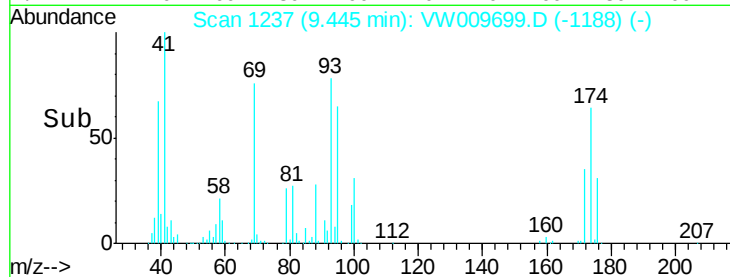
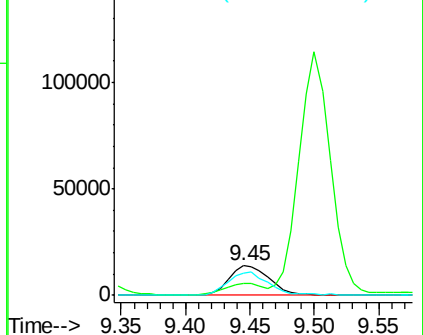
#49
1,4-Dioxane
Concen: 1005.354 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. 0.00 min
Lab File: VW009699.D
Acq: 04 Apr 2019 16:26

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 88 Resp: 30478
Ion Ratio Lower Upper
88 100
43 36.5 29.7 44.5
58 80.7 58.1 87.1

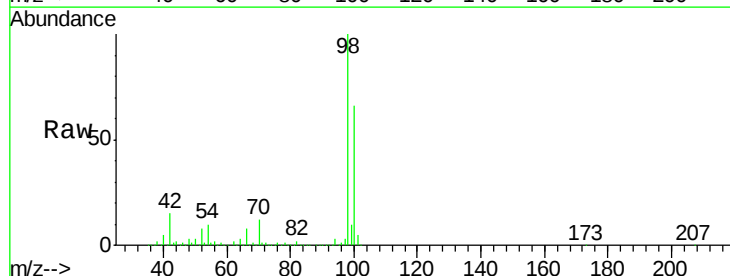


Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

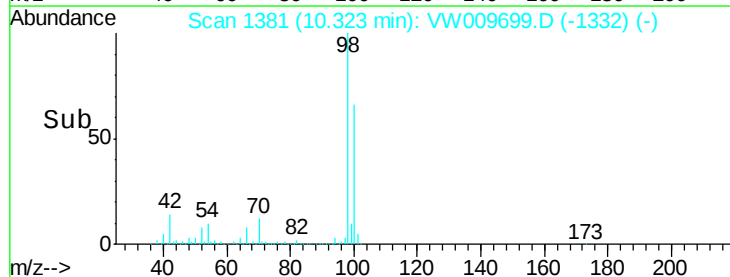
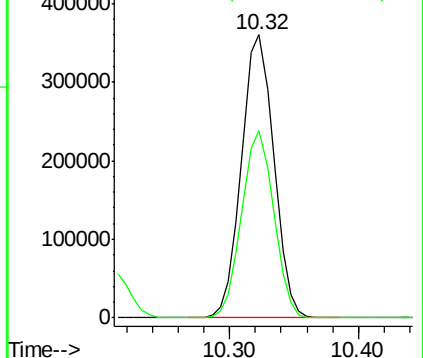


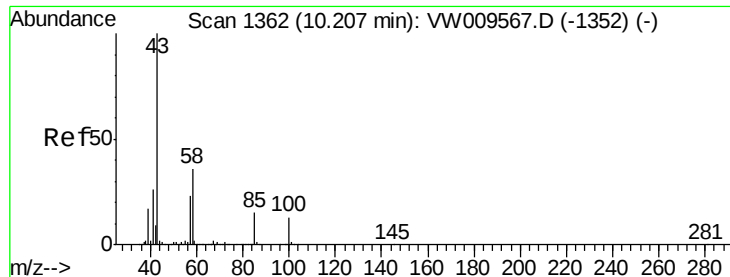
#50
Toluene-d8
Concen: 51.578 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW009699.D
Acq: 04 Apr 2019 16:26

Tgt Ion: 98 Resp: 627443
Ion Ratio Lower Upper
98 100
100 65.3 52.6 79.0



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

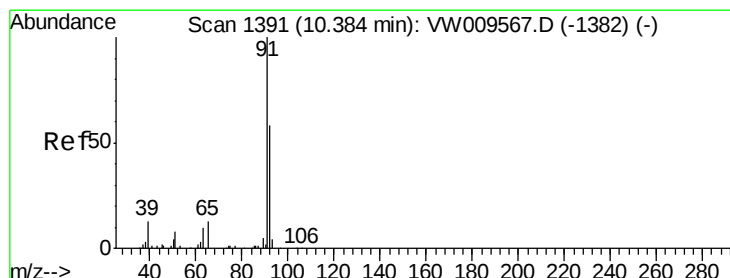
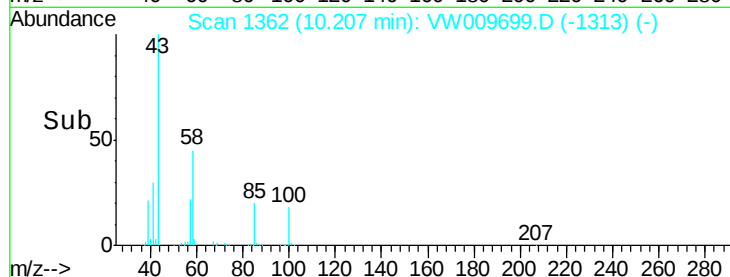
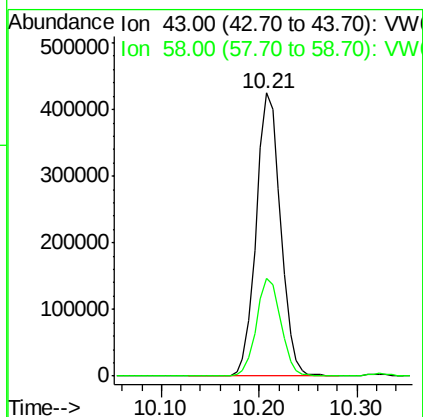
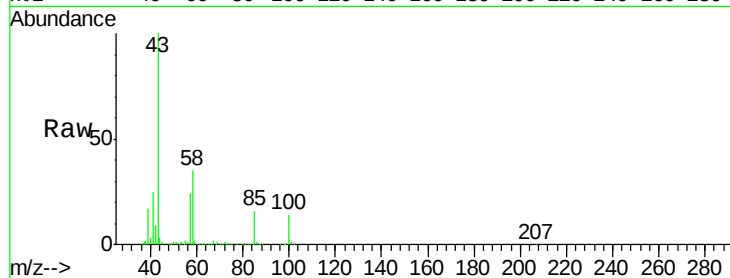




#51
 4-Methyl-2-Pentanone
 Concen: 272.612 ug/l
 RT: 10.21 min Scan# 1362
 Delta R.T. 0.00 min
 Lab File: VW009699.D
 Acq: 04 Apr 2019 16:26

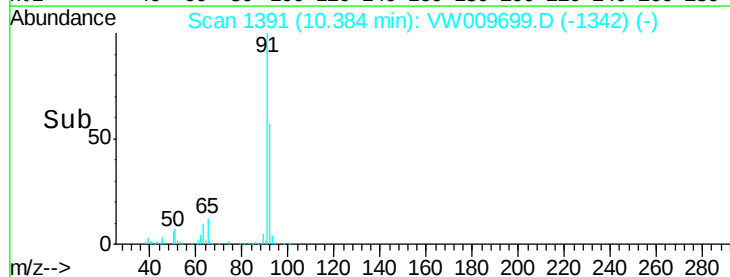
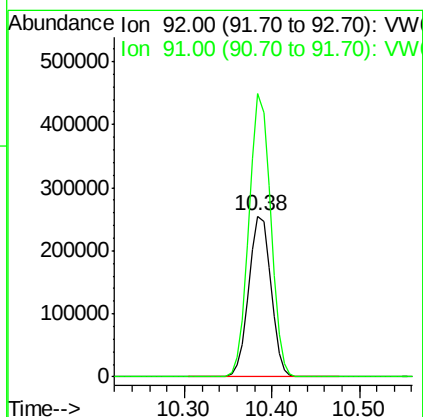
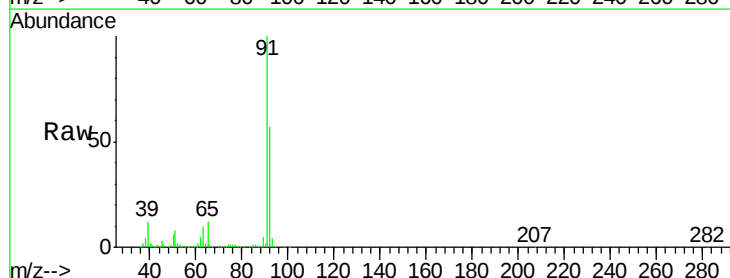
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

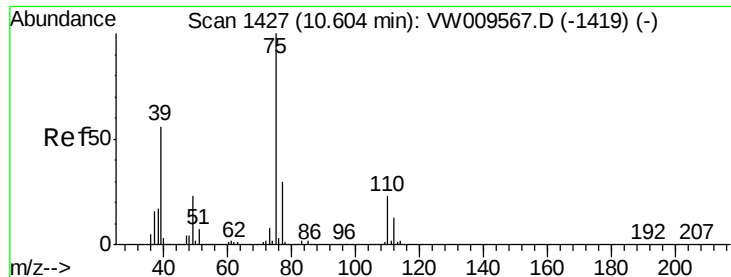
Tgt Ion: 43 Resp: 736086
 Ion Ratio Lower Upper
 43 100
 58 34.8 28.6 42.8



#52
 Toluene
 Concen: 48.668 ug/l
 RT: 10.38 min Scan# 1391
 Delta R.T. 0.00 min
 Lab File: VW009699.D
 Acq: 04 Apr 2019 16:26

Tgt Ion: 92 Resp: 447454
 Ion Ratio Lower Upper
 92 100
 91 173.1 140.1 210.1





#53

t-1,3-Dichloropropene

Concen: 51.130 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW009699.D

Acq: 04 Apr 2019 16:26

Instrument :

MSVOA_W

ClientSampleId :

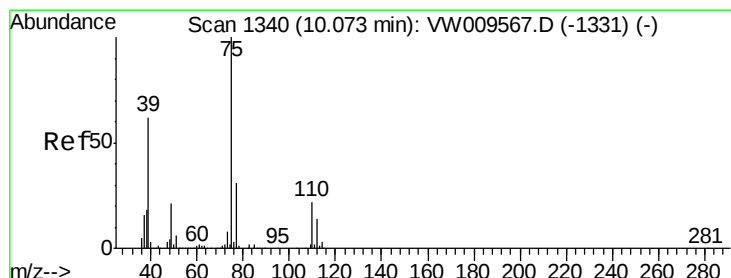
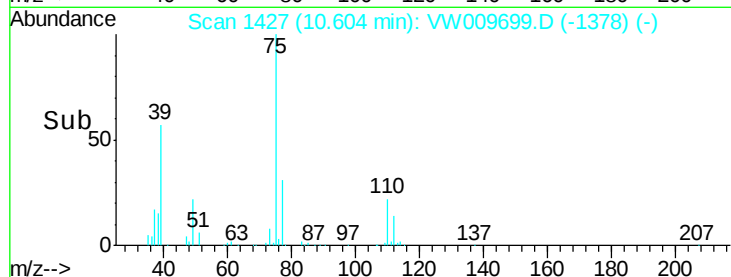
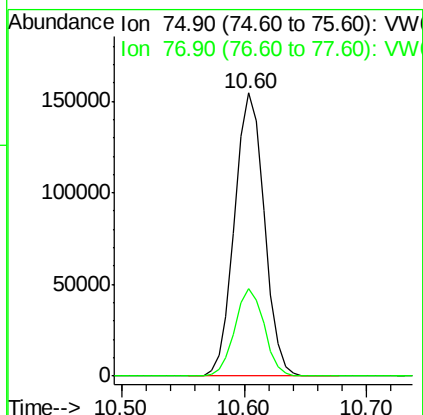
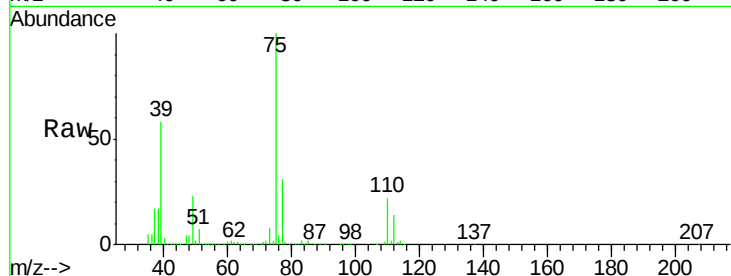
VSTDCCC050EC

Tgt Ion: 75 Resp: 259974

Ion Ratio Lower Upper

75 100

77 30.7 24.8 37.2



#54

cis-1,3-Dichloropropene

Concen: 50.157 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW009699.D

Acq: 04 Apr 2019 16:26

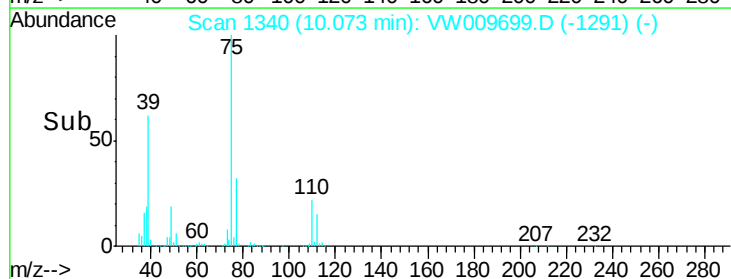
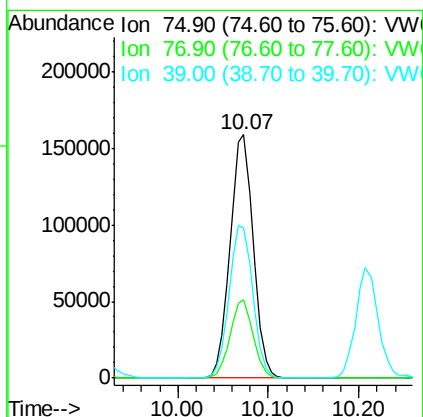
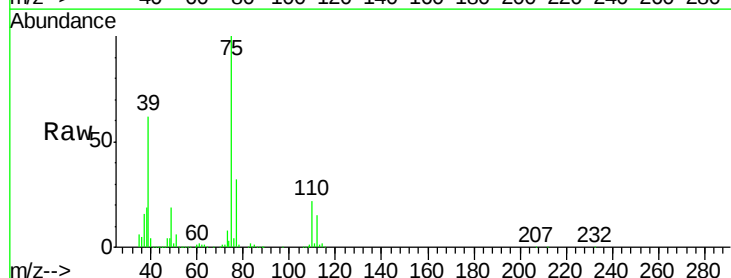
Tgt Ion: 75 Resp: 282767

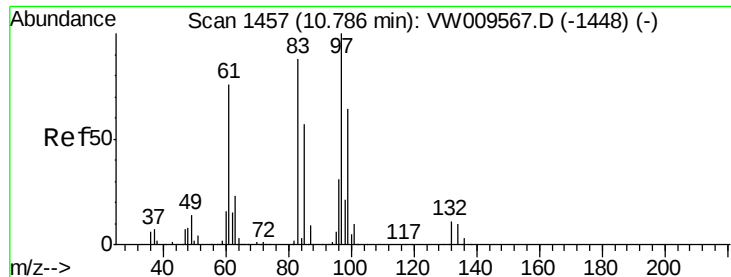
Ion Ratio Lower Upper

75 100

77 32.1 25.9 38.9

39 61.5 46.8 70.2





#55

1,1,2-Trichloroethane

Concen: 49.744 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW009699.D

Acq: 04 Apr 2019 16:26

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 97 Resp: 136877

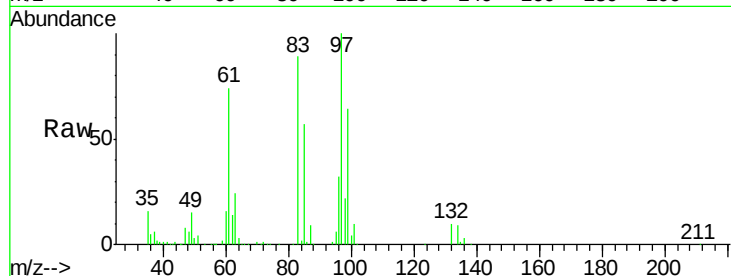
Ion Ratio Lower Upper

97 100

83 88.9 66.3 99.5

85 57.3 41.4 62.2

99 64.2 48.7 73.1

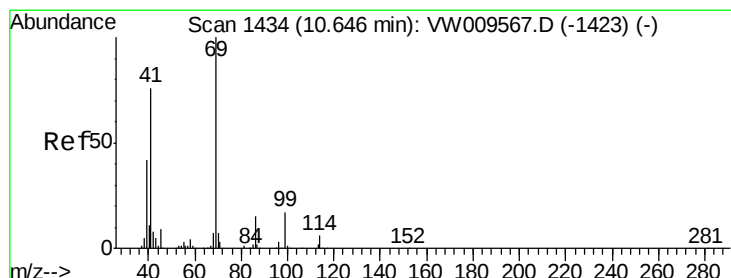
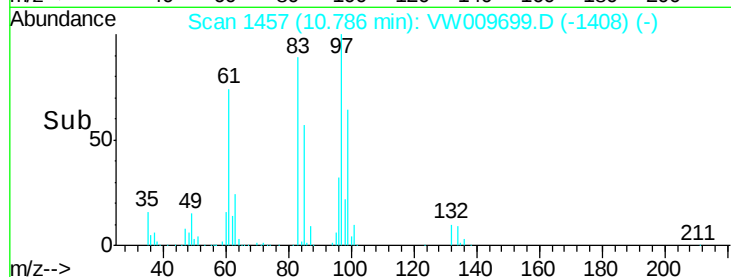
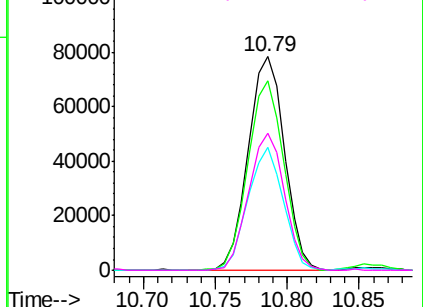


Abundance Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56

Ethyl methacrylate

Concen: 48.350 ug/l

RT: 10.65 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW009699.D

Acq: 04 Apr 2019 16:26

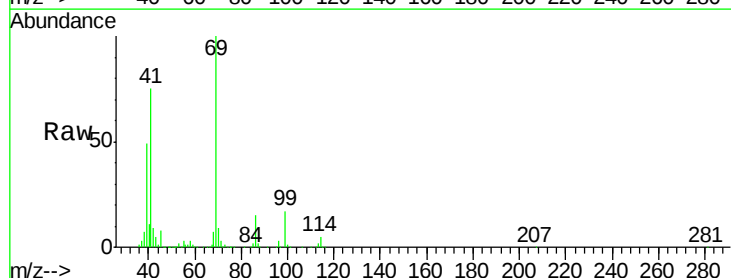
Tgt Ion: 69 Resp: 183741

Ion Ratio Lower Upper

69 100

41 78.5 59.3 88.9

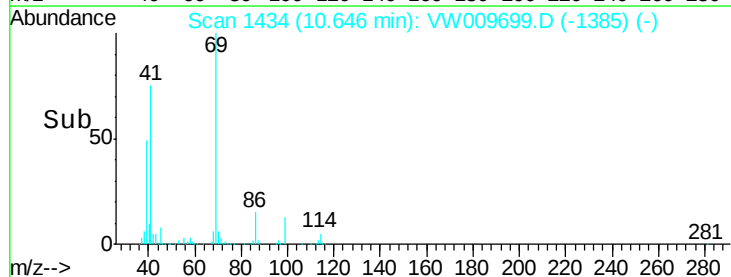
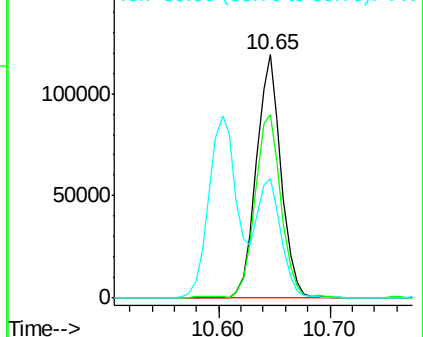
39 46.9 36.2 54.2

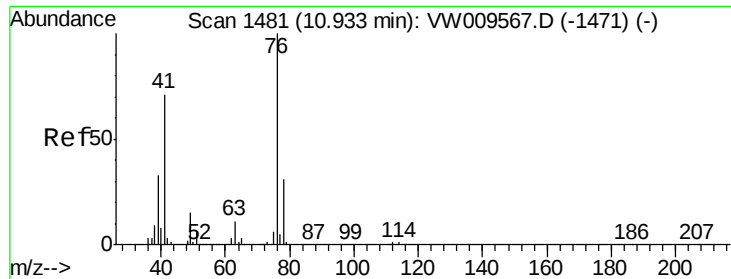


Abundance Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

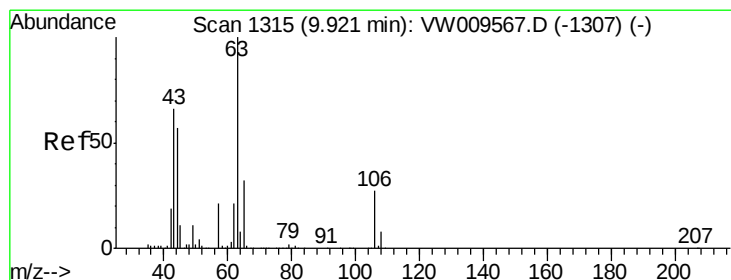
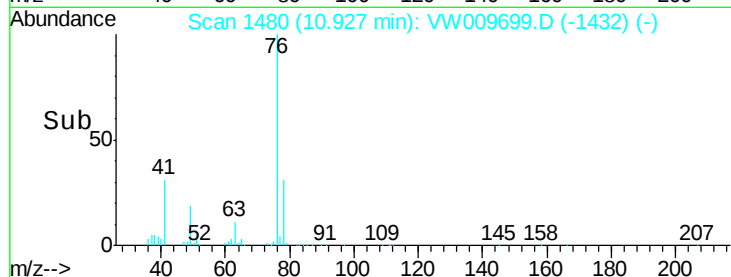
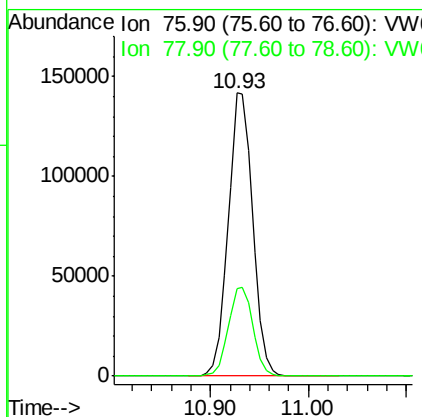
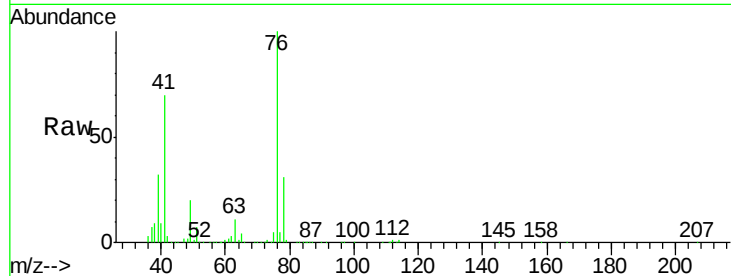




#57
 1,3-Dichloropropane
 Concen: 50.299 ug/l
 RT: 10.93 min Scan# 1480
 Delta R.T. -0.01 min
 Lab File: VW009699.D
 Acq: 04 Apr 2019 16:26

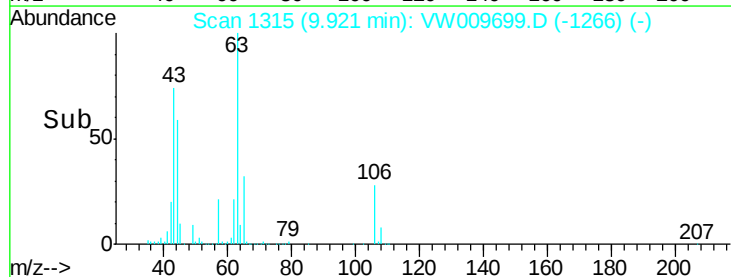
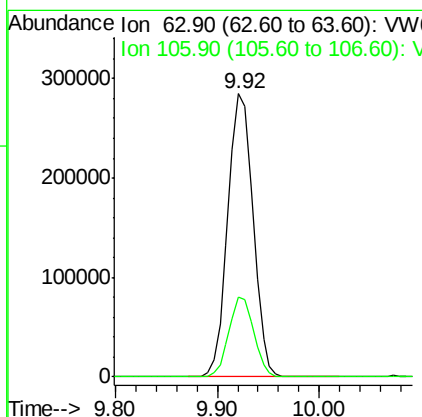
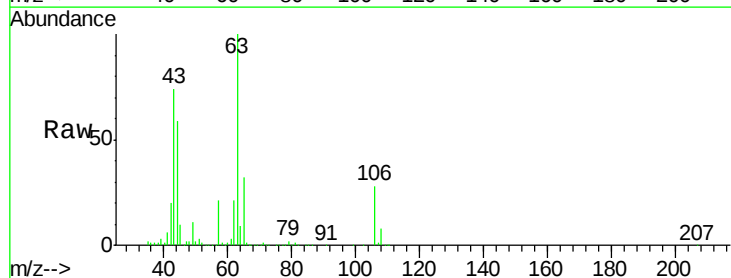
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

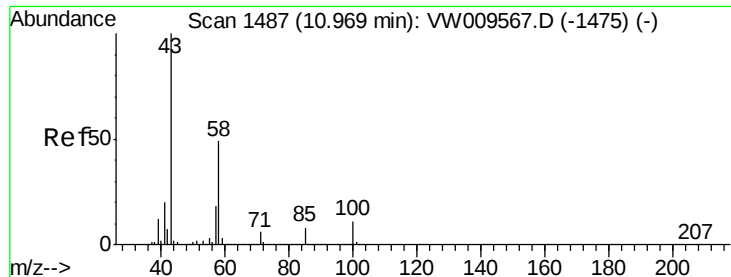
Tgt Ion: 76 Resp: 245333
 Ion Ratio Lower Upper
 76 100
 78 31.7 25.8 38.6



#58
 2-Chloroethyl Vinyl ether
 Concen: 264.922 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW009699.D
 Acq: 04 Apr 2019 16:26

Tgt Ion: 63 Resp: 488480
 Ion Ratio Lower Upper
 63 100
 106 27.8 22.9 34.3

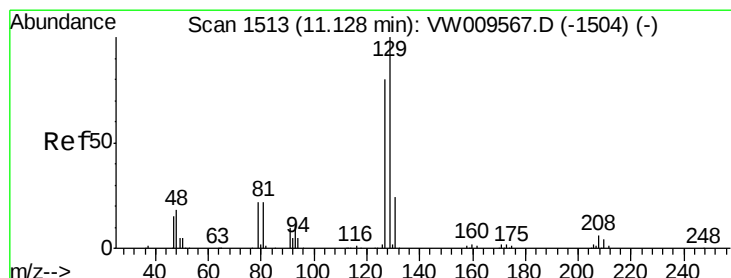
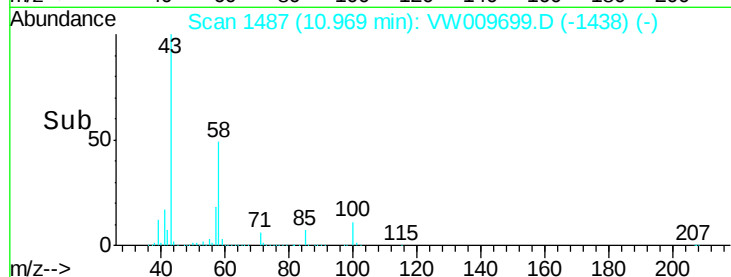
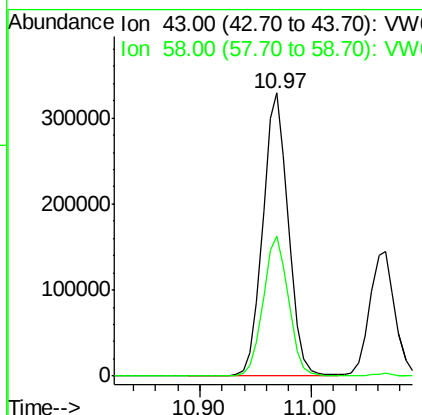
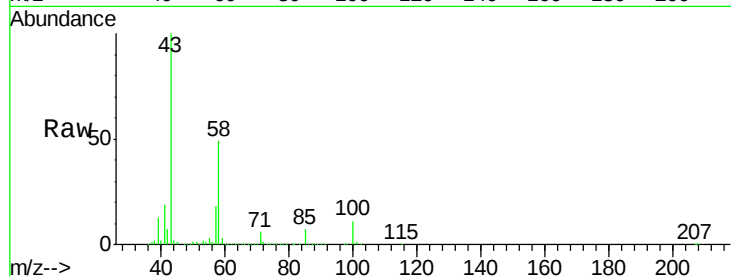




#59
2-Hexanone
Concen: 279.939 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW009699.D
Acq: 04 Apr 2019 16:26

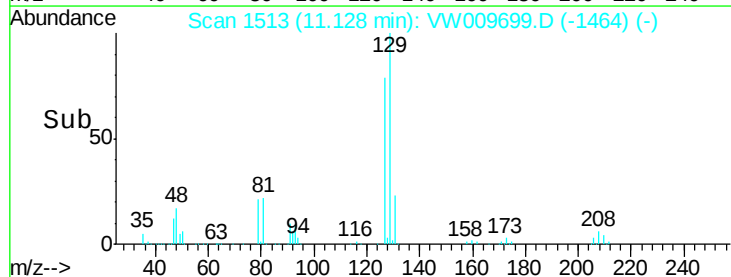
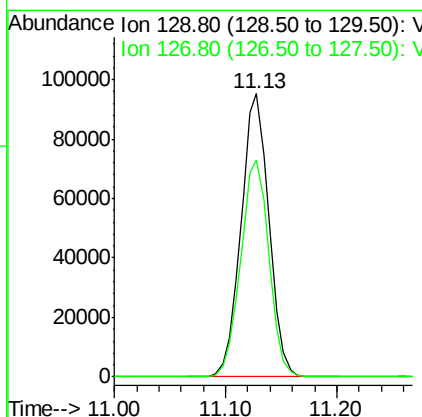
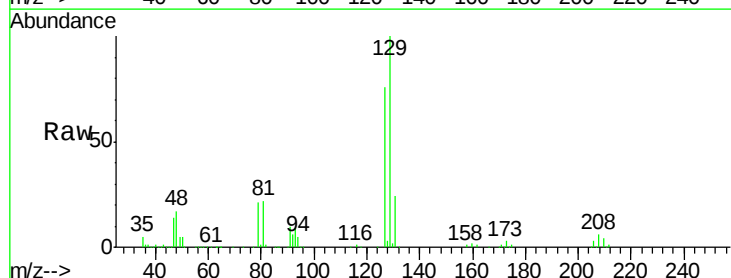
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

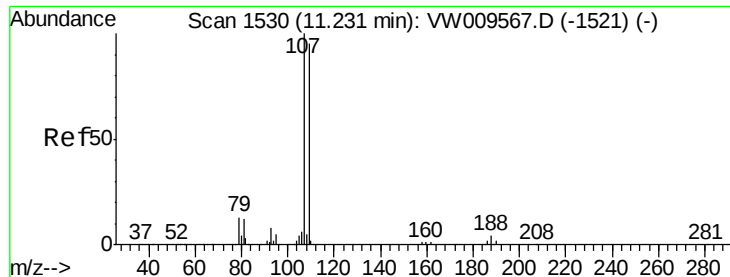
Tgt Ion: 43 Resp: 523115
Ion Ratio Lower Upper
43 100
58 49.2 24.2 72.6



#60
Dibromochloromethane
Concen: 49.621 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW009699.D
Acq: 04 Apr 2019 16:26

Tgt Ion: 129 Resp: 164867
Ion Ratio Lower Upper
129 100
127 77.4 38.1 114.5

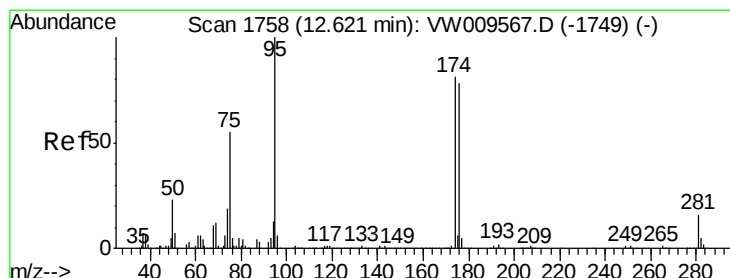
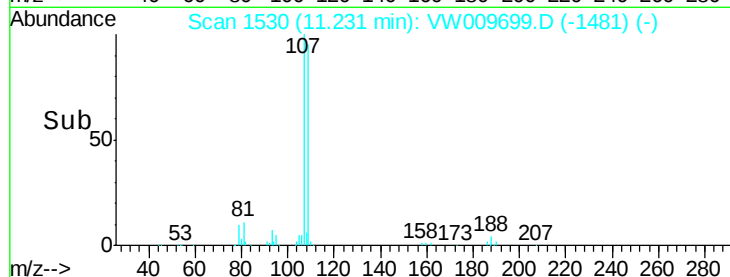
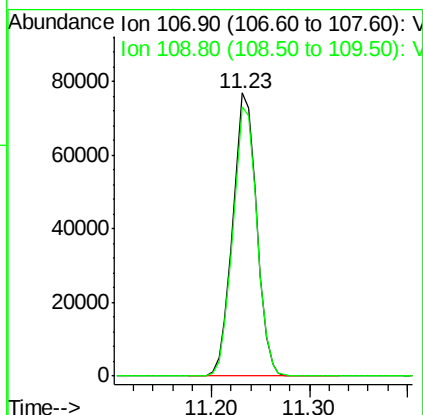
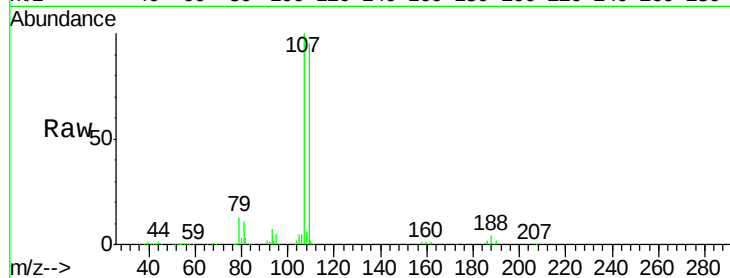




#61
 1,2-Dibromoethane
 Concen: 49.571 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. 0.00 min
 Lab File: VW009699.D
 Acq: 04 Apr 2019 16:26

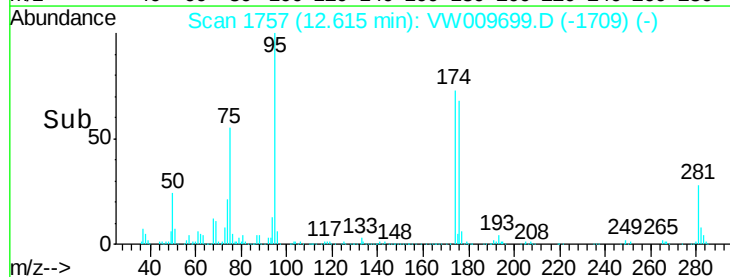
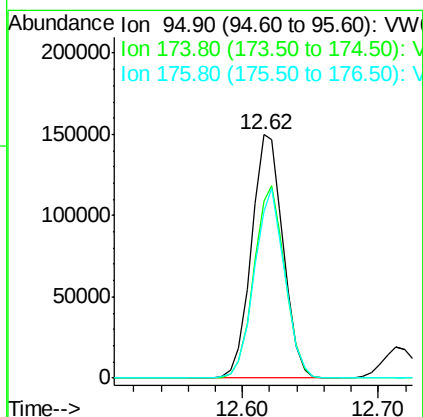
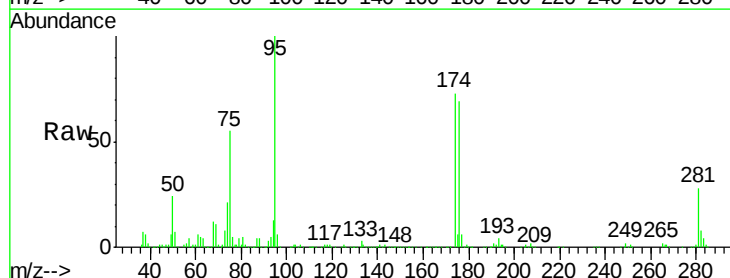
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

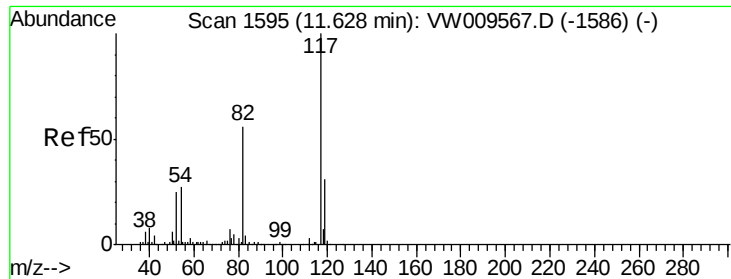
Tgt Ion: 107 Resp: 130801
 Ion Ratio Lower Upper
 107 100
 109 95.9 75.1 112.7



#62
 4-Bromofluorobenzene
 Concen: 53.791 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.01 min
 Lab File: VW009699.D
 Acq: 04 Apr 2019 16:26

Tgt Ion: 95 Resp: 244115
 Ion Ratio Lower Upper
 95 100
 174 77.3 0.0 168.4
 176 74.9 0.0 161.6

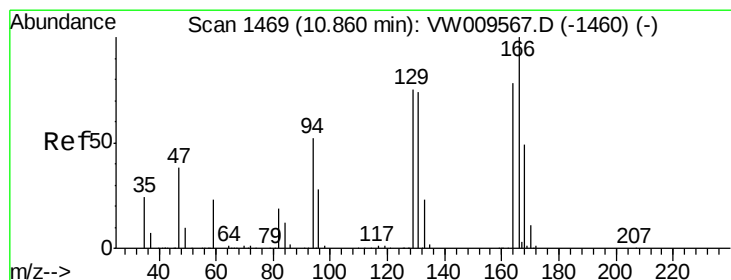
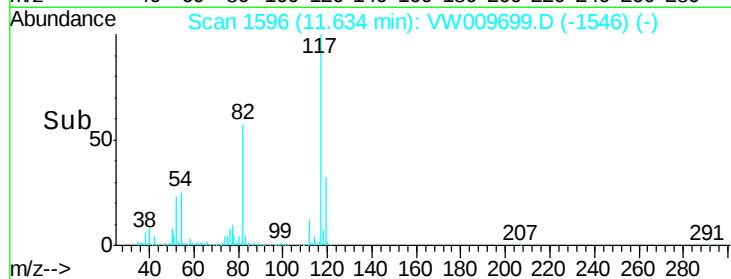
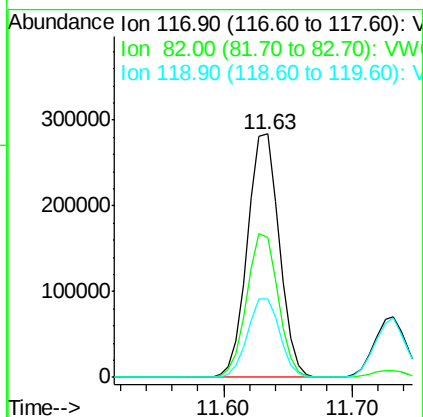
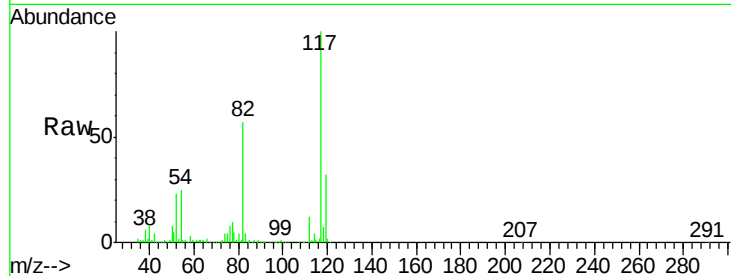




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.01 min
Lab File: VW009699.D
Acq: 04 Apr 2019 16:26

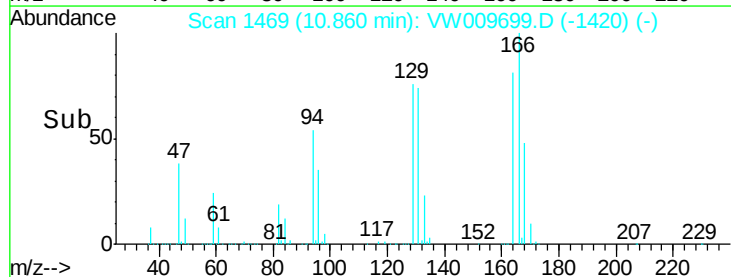
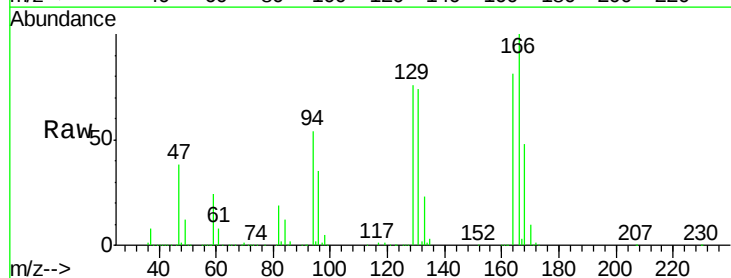
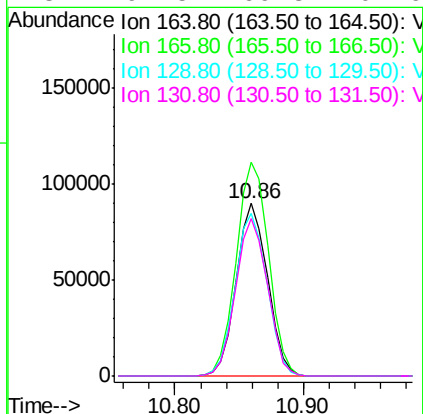
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

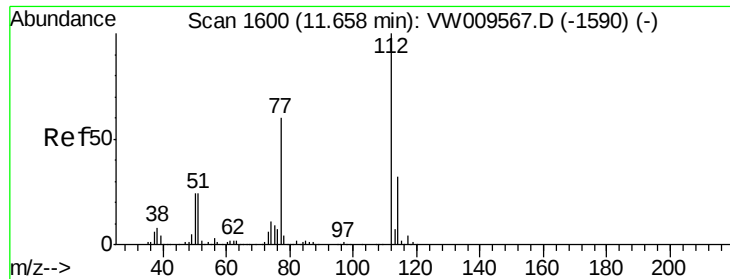
Tgt Ion:117 Resp: 483545
Ion Ratio Lower Upper
117 100
82 57.5 43.6 65.4
119 32.4 26.0 39.0



#64
Tetrachloroethene
Concen: 46.124 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW009699.D
Acq: 04 Apr 2019 16:26

Tgt Ion:164 Resp: 151432
Ion Ratio Lower Upper
164 100
166 123.6 100.9 151.3
129 94.5 72.0 108.0
131 91.5 69.8 104.6





#65

Chlorobenzene

Concen: 47.839 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VW009699.D

Acq: 04 Apr 2019 16:26

Instrument :

MSVOA_W

ClientSampleId :

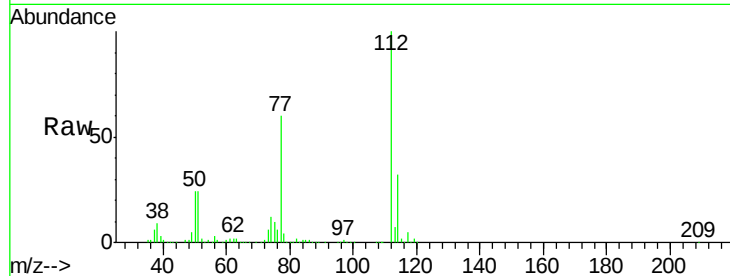
VSTDCCC050EC

Tgt Ion:112 Resp: 487196

Ion Ratio Lower Upper

112 100

114 32.4 25.6 38.4



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.66

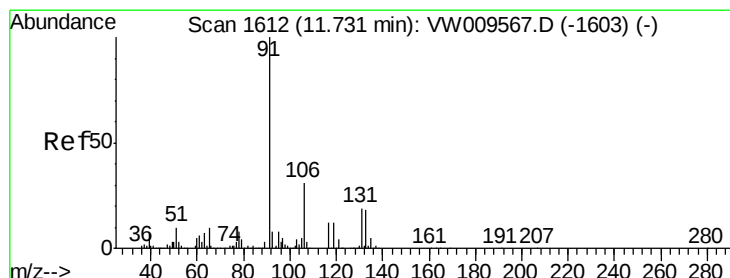
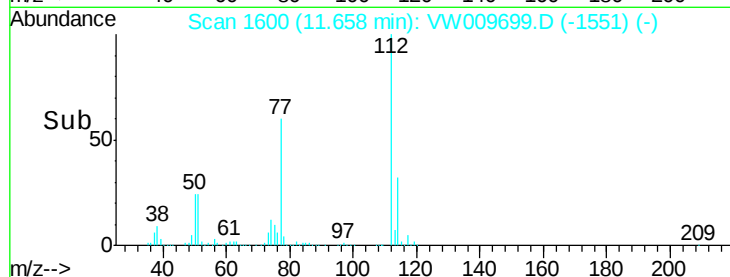
300000

200000

100000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 48.902 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW009699.D

Acq: 04 Apr 2019 16:26

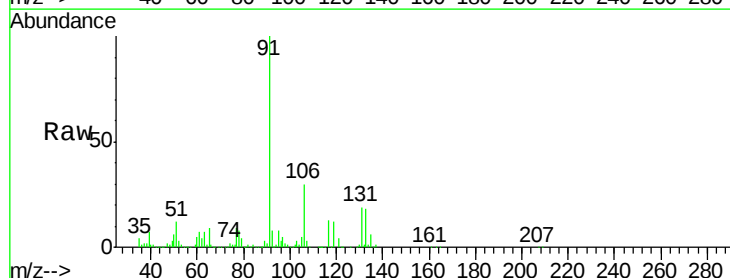
Tgt Ion:131 Resp: 181459

Ion Ratio Lower Upper

131 100

133 94.8 47.3 141.8

119 63.2 31.6 95.0



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

11.73

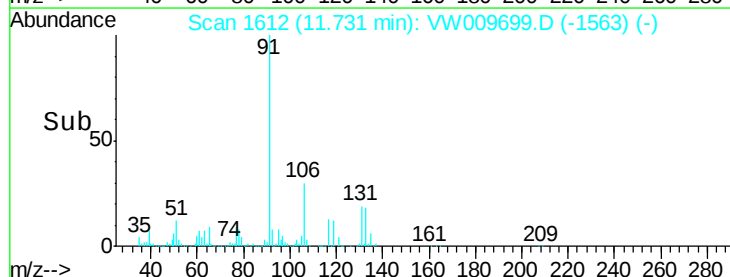
150000

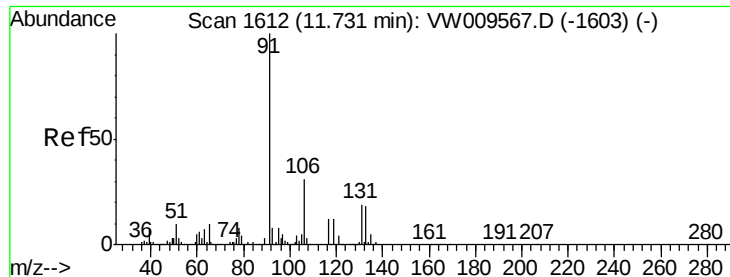
100000

50000

0

Time-->

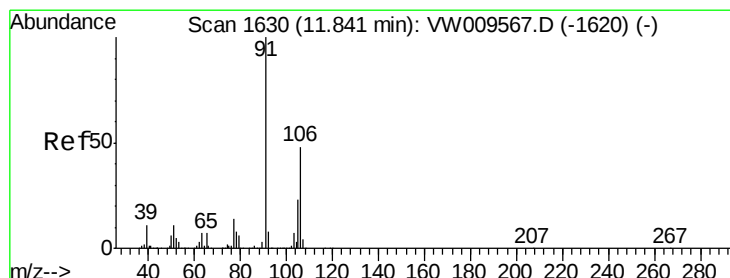
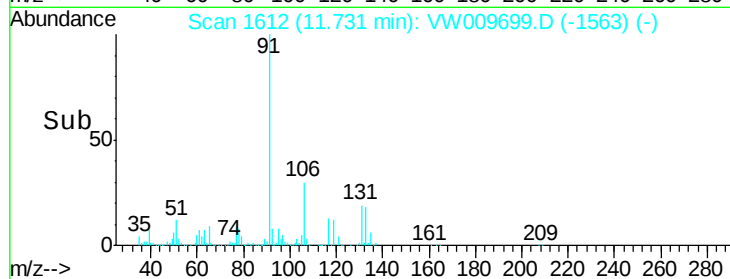
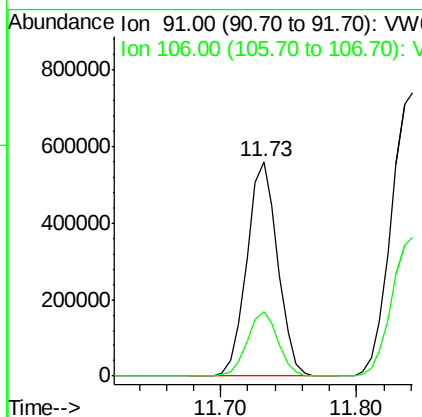
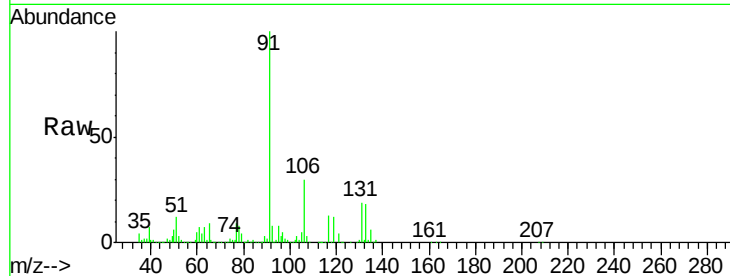




#67
Ethyl Benzene
Concen: 49.589 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW009699.D
Acq: 04 Apr 2019 16:26

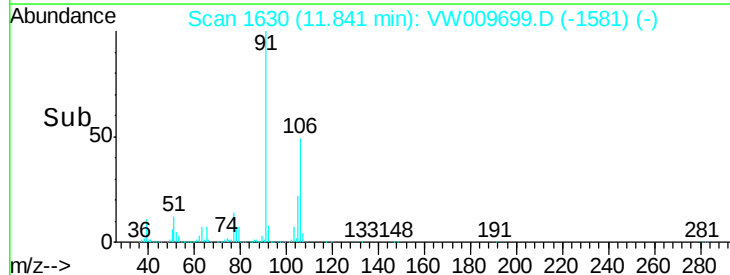
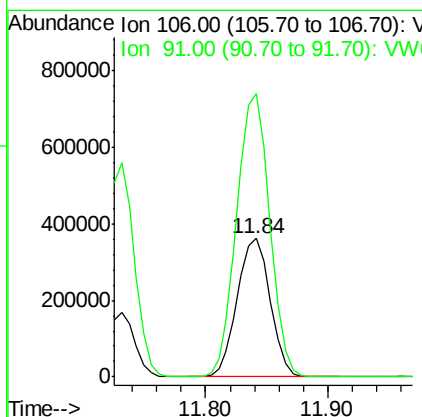
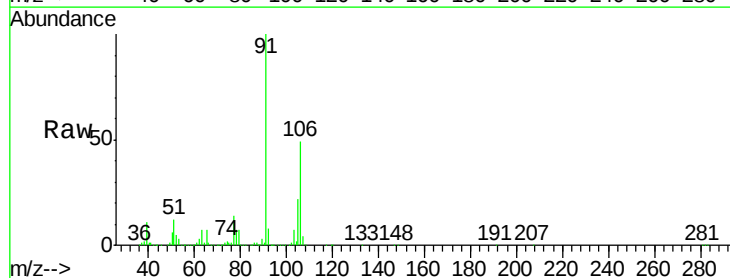
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

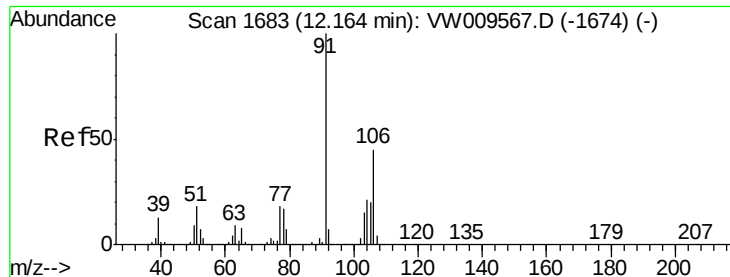
Tgt Ion: 91 Resp: 889765
Ion Ratio Lower Upper
91 100
106 30.2 24.6 36.8



#68
m/p-Xylenes
Concen: 99.467 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW009699.D
Acq: 04 Apr 2019 16:26

Tgt Ion: 106 Resp: 677658
Ion Ratio Lower Upper
106 100
91 204.5 163.1 244.7

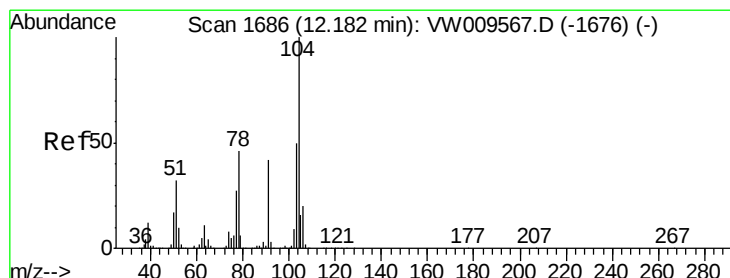
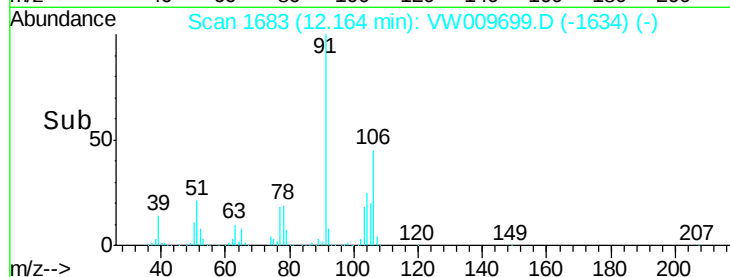
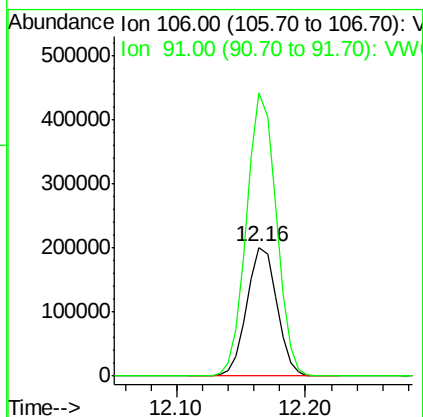
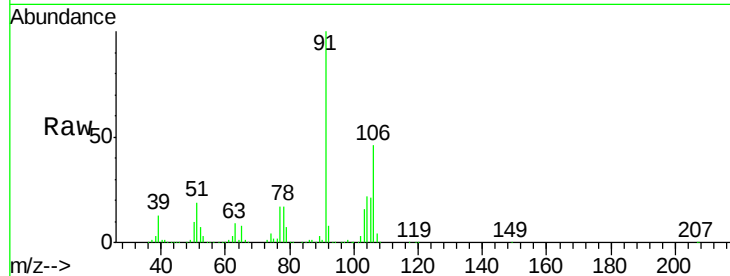




#69
o-Xylene
Concen: 50.742 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW009699.D
Acq: 04 Apr 2019 16:26

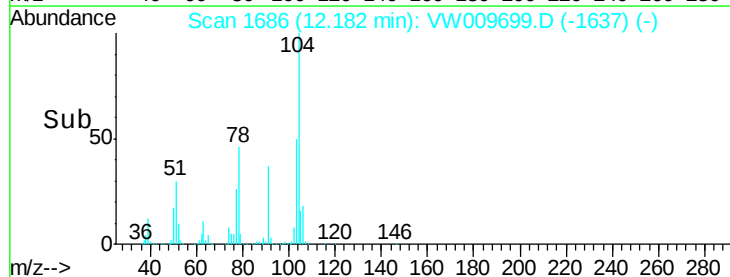
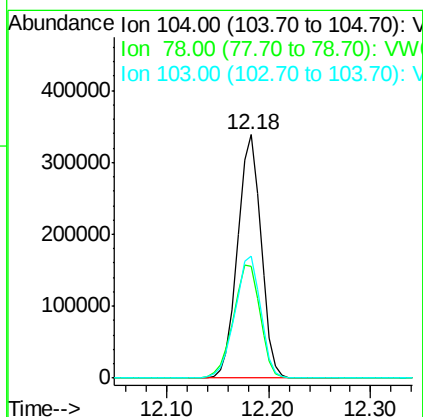
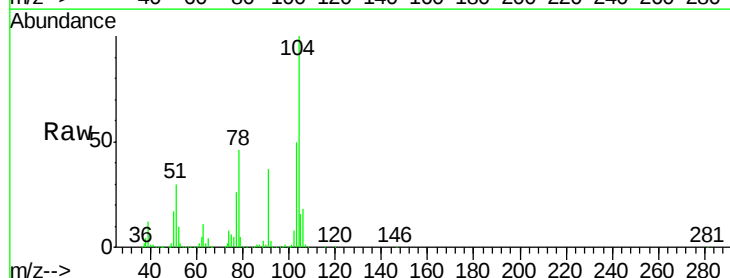
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

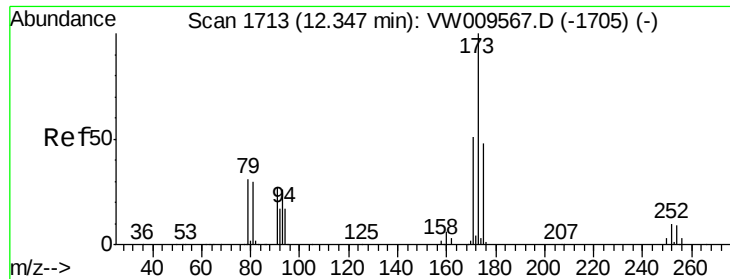
Tgt Ion:106 Resp: 321939
Ion Ratio Lower Upper
106 100
91 218.2 108.6 325.8



#70
Styrene
Concen: 50.648 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW009699.D
Acq: 04 Apr 2019 16:26

Tgt Ion:104 Resp: 536742
Ion Ratio Lower Upper
104 100
78 53.1 42.2 63.4
103 55.1 44.6 66.8

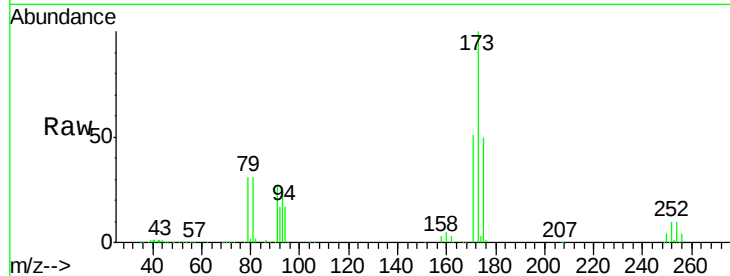




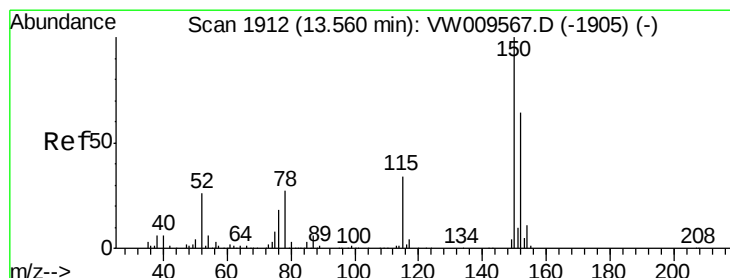
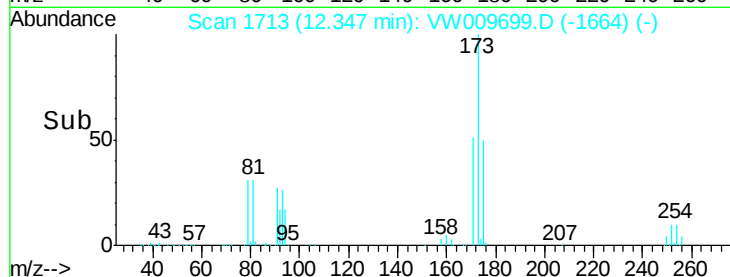
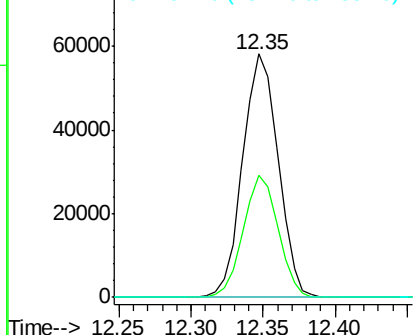
#71
Bromoform
Concen: 49.610 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. 0.00 min
Lab File: VW009699.D
Acq: 04 Apr 2019 16:26

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion:173 Resp: 99066
Ion Ratio Lower Upper
173 100
175 49.2 24.1 72.4
254 0.2 0.2 0.4#

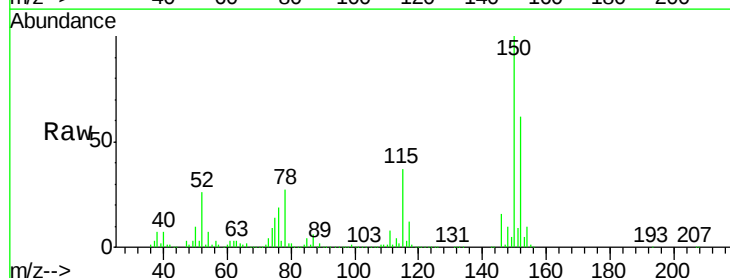


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

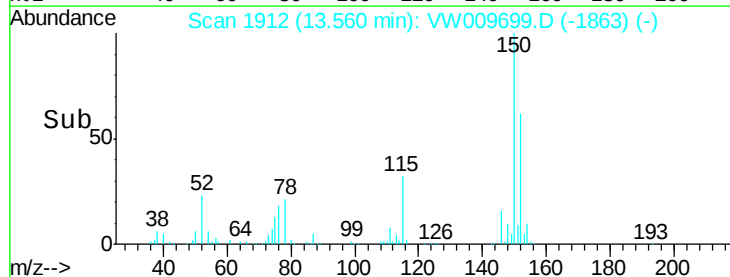
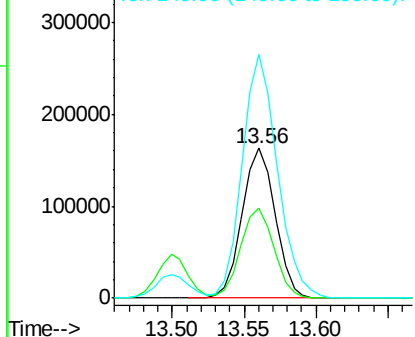


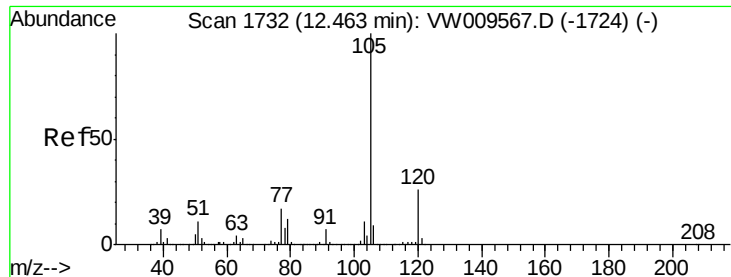
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW009699.D
Acq: 04 Apr 2019 16:26

Tgt Ion:152 Resp: 259664
Ion Ratio Lower Upper
152 100
115 60.2 29.6 88.8
150 173.0 0.0 349.2



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: 50.678 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW009699.D

Acq: 04 Apr 2019 16:26

Instrument :

MSVOA_W

ClientSampleId :

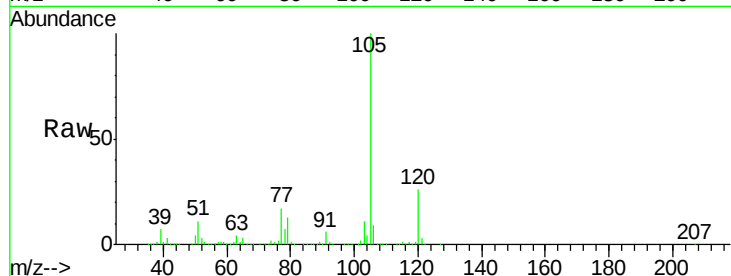
VSTDCCC050EC

Tgt Ion:105 Resp: 915773

Ion Ratio Lower Upper

105 100

120 26.0 13.0 39.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.46

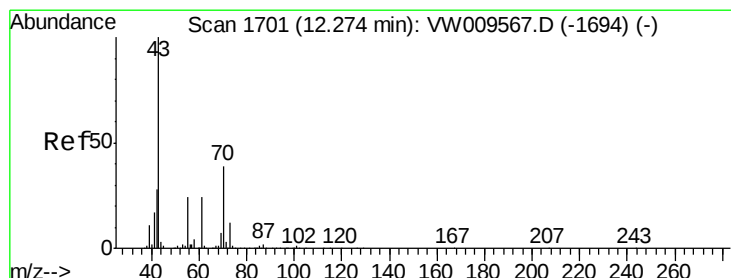
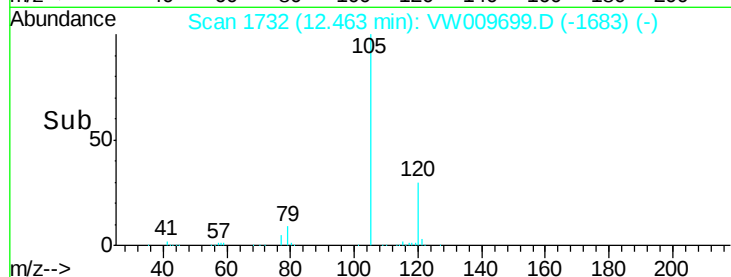
600000

400000

200000

0

Time-->



#74

N-ethyl acetate

Concen: 55.140 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW009699.D

Acq: 04 Apr 2019 16:26

Tgt Ion: 43 Resp: 262678

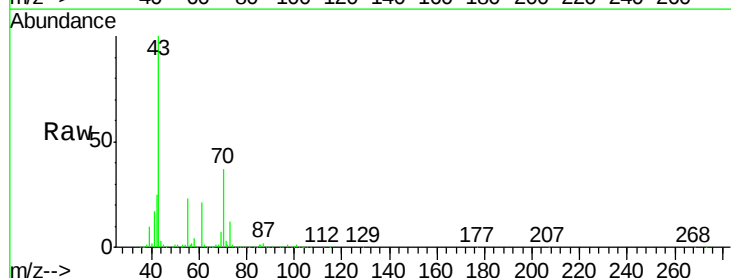
Ion Ratio Lower Upper

43 100

70 37.1 30.6 46.0

55 23.1 19.3 28.9

61 21.5 17.0 25.4



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

12.27

250000

200000

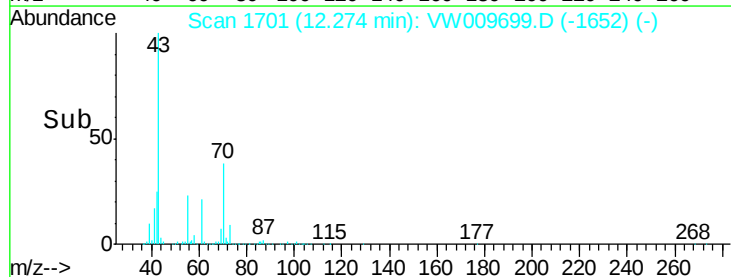
150000

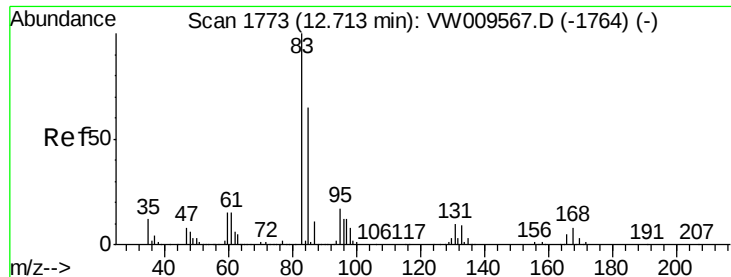
100000

50000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 51.342 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW009699.D

Acq: 04 Apr 2019 16:26

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

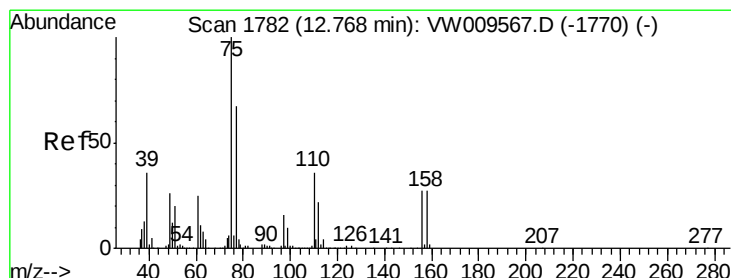
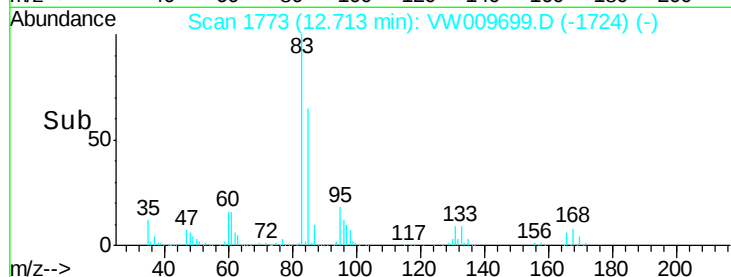
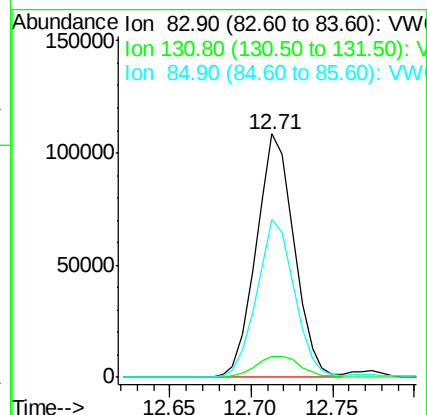
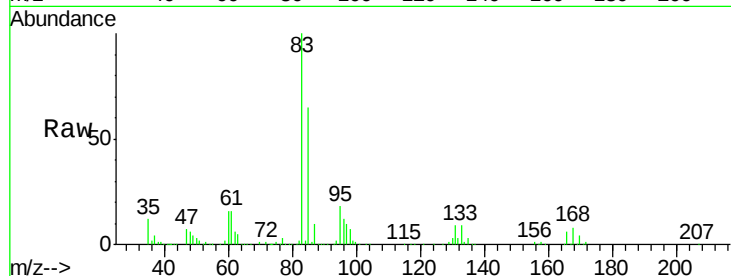
Tgt Ion: 83 Resp: 175457

Ion Ratio Lower Upper

83 100

131 10.5 5.3 16.1

85 64.1 32.6 97.8



#76

1,2,3-Trichloropropane

Concen: 98.569 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW009699.D

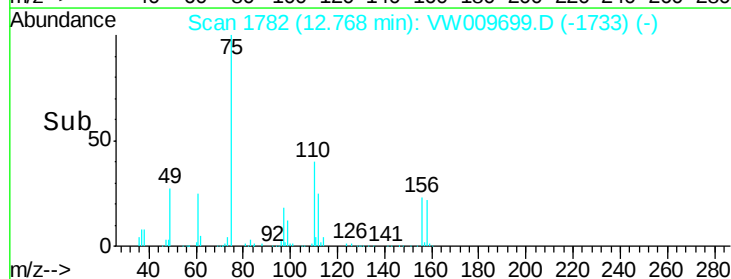
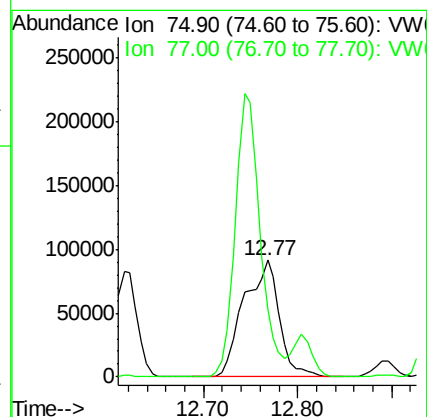
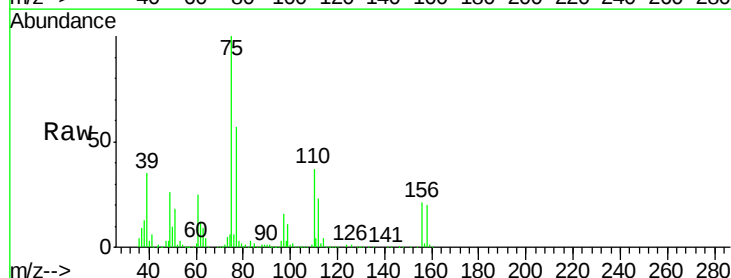
Acq: 04 Apr 2019 16:26

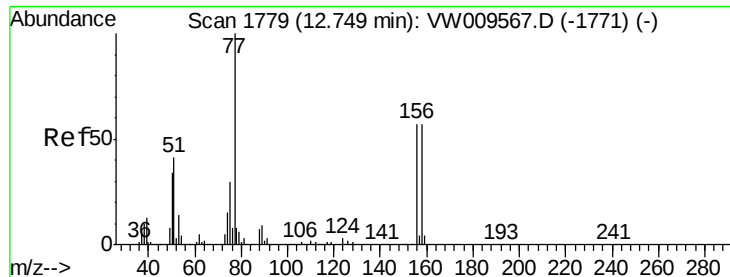
Tgt Ion: 75 Resp: 240691

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 48.305 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW009699.D

Acq: 04 Apr 2019 16:26

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

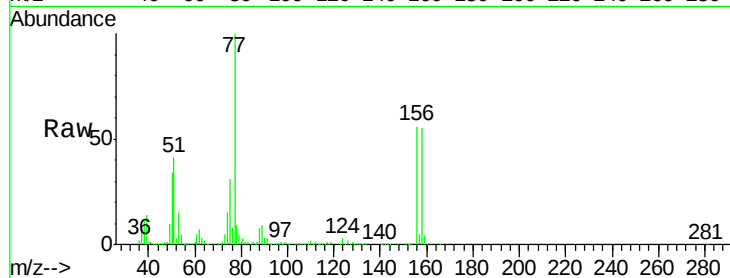
Tgt Ion:156 Resp: 201016

Ion Ratio Lower Upper

156 100

77 203.9 96.0 288.0

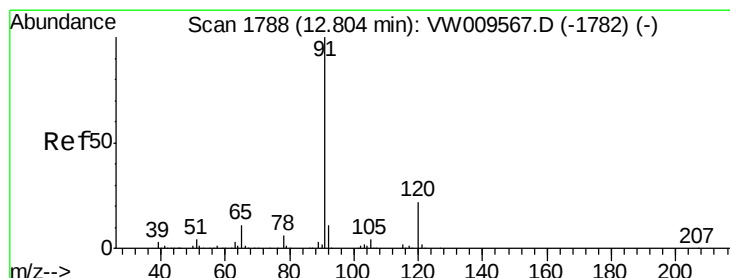
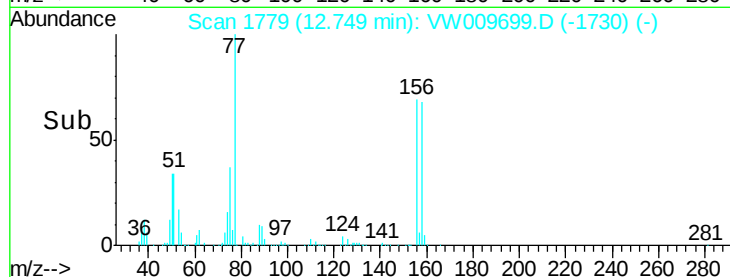
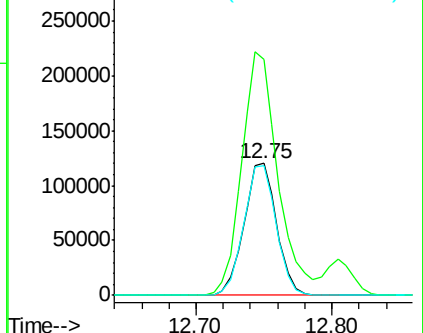
158 98.1 49.1 147.3



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: 50.632 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW009699.D

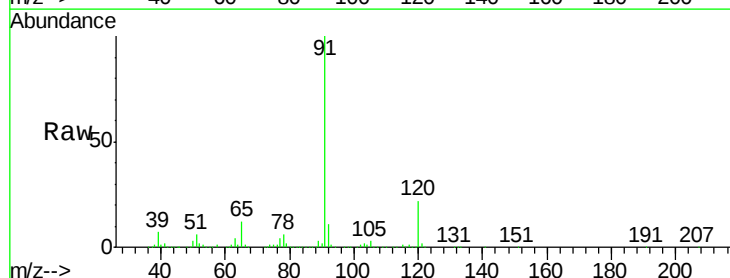
Acq: 04 Apr 2019 16:26

Tgt Ion: 91 Resp: 1128237

Ion Ratio Lower Upper

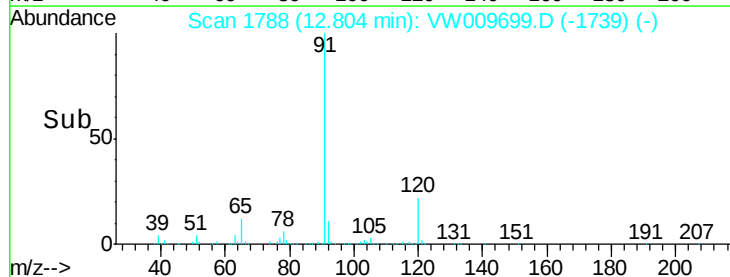
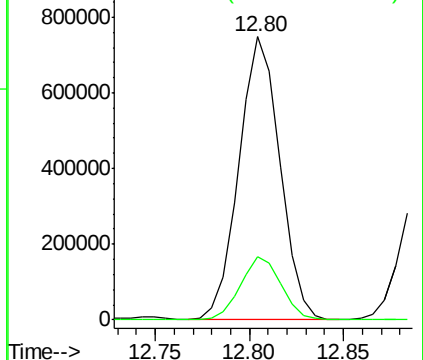
91 100

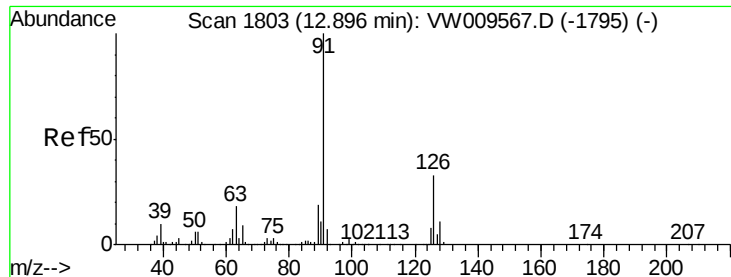
120 22.2 11.1 33.3



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 50.081 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.01 min

Lab File: VW009699.D

Acq: 04 Apr 2019 16:26

Instrument :

MSVOA_W

ClientSampleId :

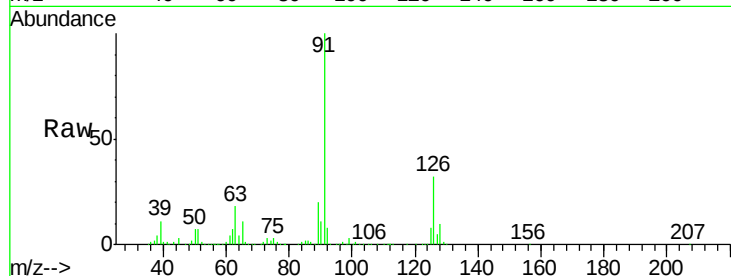
VSTDCCC050EC

Tgt Ion: 91 Resp: 634199

Ion Ratio Lower Upper

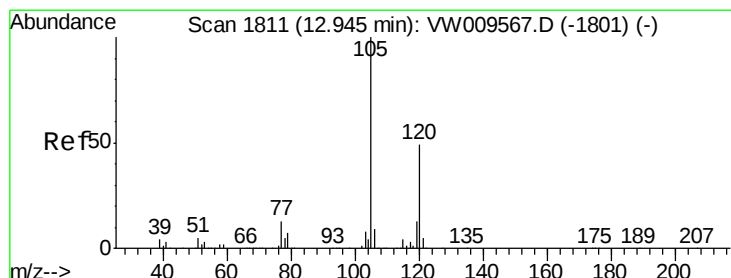
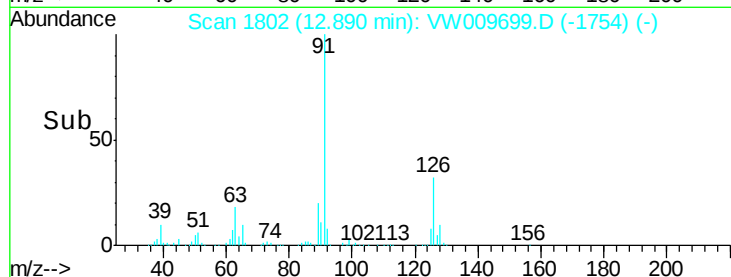
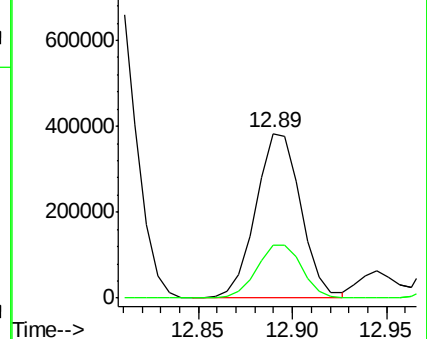
91 100

126 32.5 17.0 51.0



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 50.448 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW009699.D

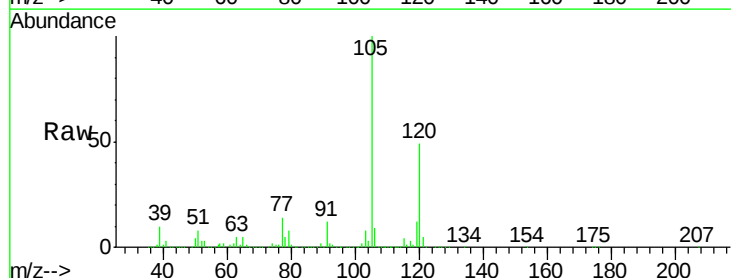
Acq: 04 Apr 2019 16:26

Tgt Ion: 105 Resp: 767724

Ion Ratio Lower Upper

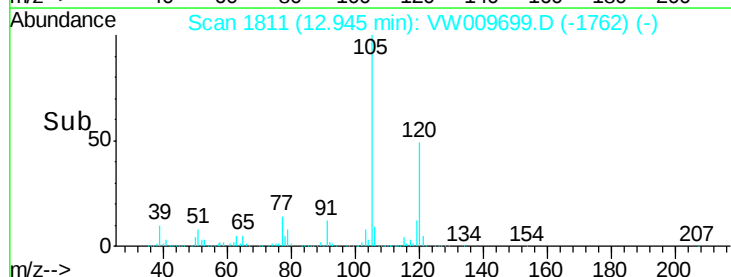
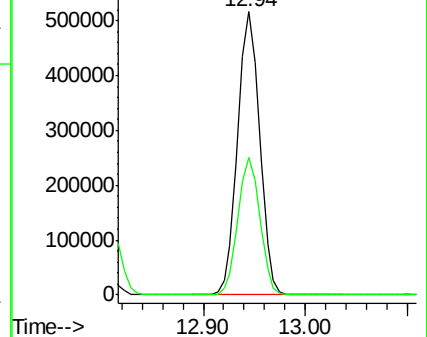
105 100

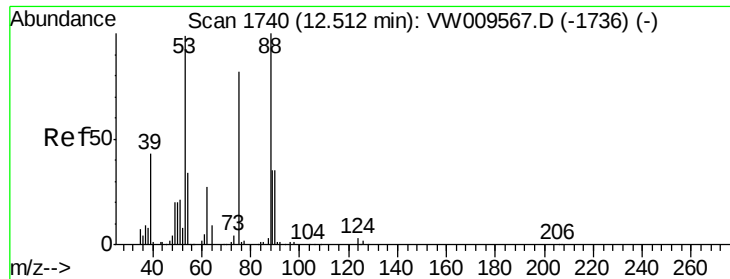
120 48.2 24.6 74.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 53.478 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW009699.D

Acq: 04 Apr 2019 16:26

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

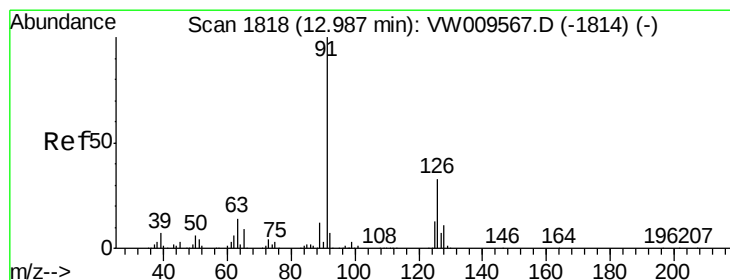
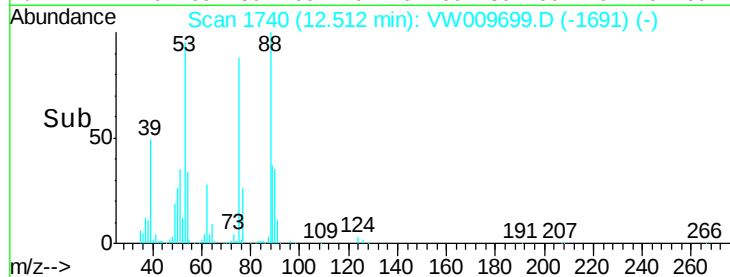
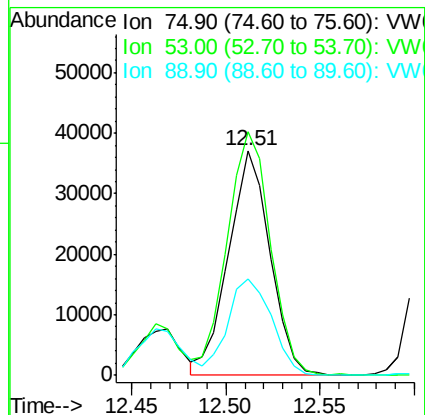
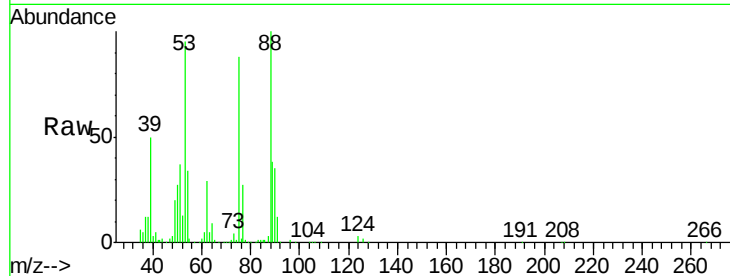
Tgt Ion: 75 Resp: 56154

Ion Ratio Lower Upper

75 100

53 114.4 86.7 130.1

89 46.1 36.4 54.6



#82

4-Chlorotoluene

Concen: 49.907 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. 0.00 min

Lab File: VW009699.D

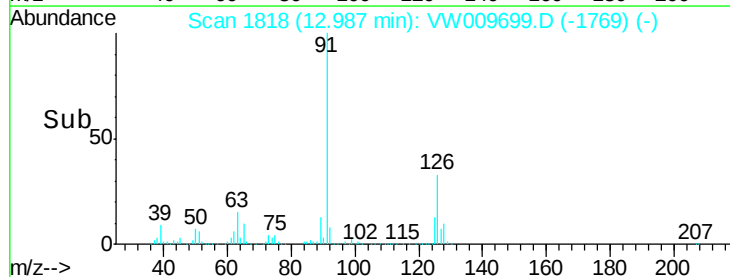
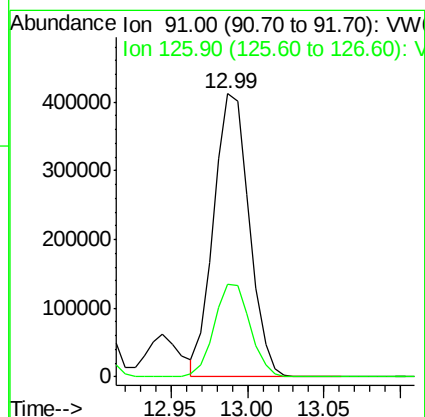
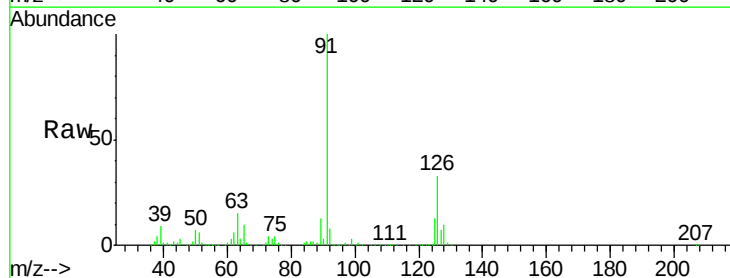
Acq: 04 Apr 2019 16:26

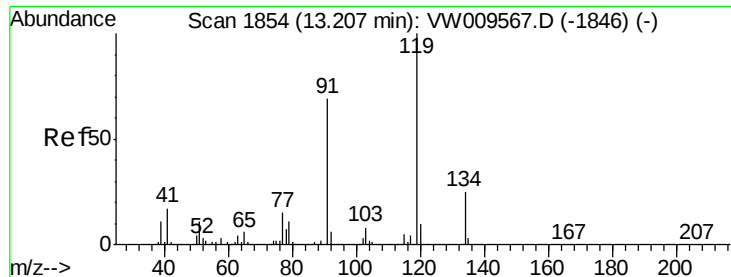
Tgt Ion: 91 Resp: 665118

Ion Ratio Lower Upper

91 100

126 32.9 16.9 50.6

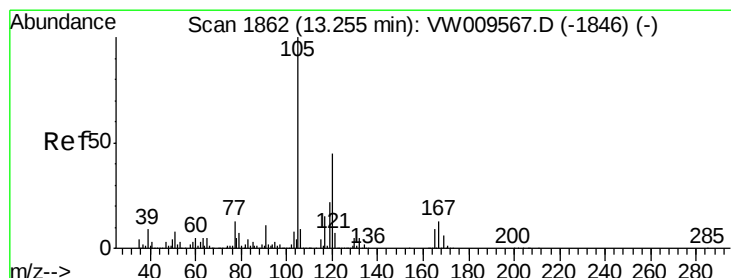
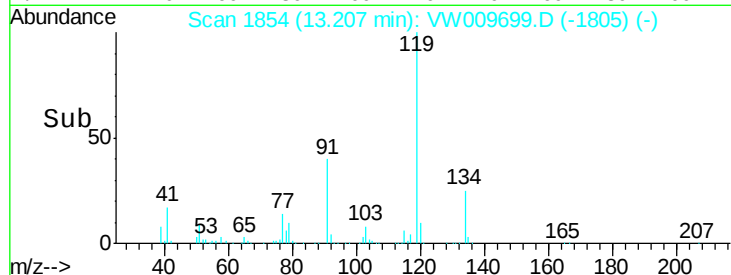
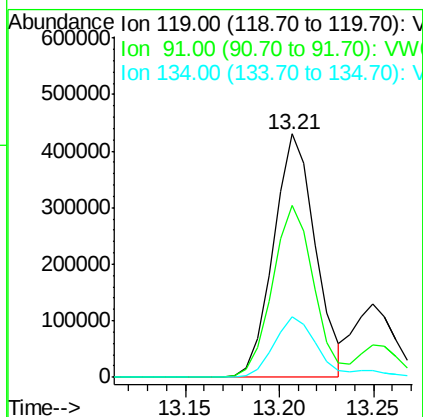
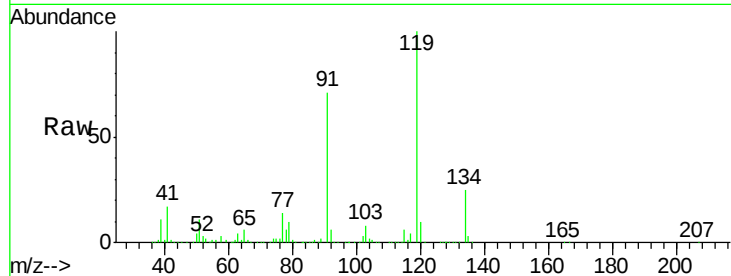




#83
 tert-Butylbenzene
 Concen: 51.286 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: VW009699.D
 Acq: 04 Apr 2019 16:26

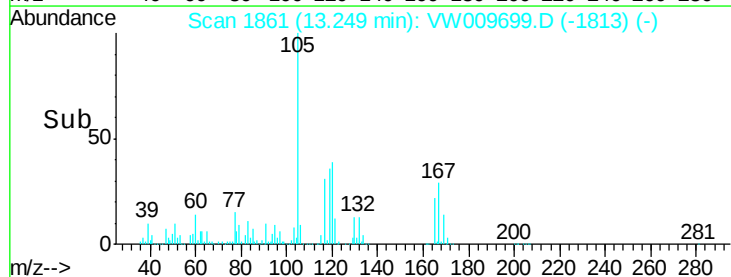
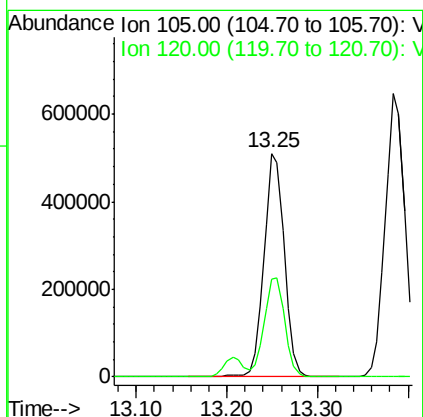
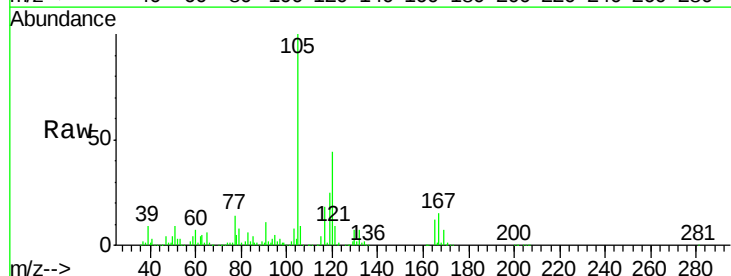
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

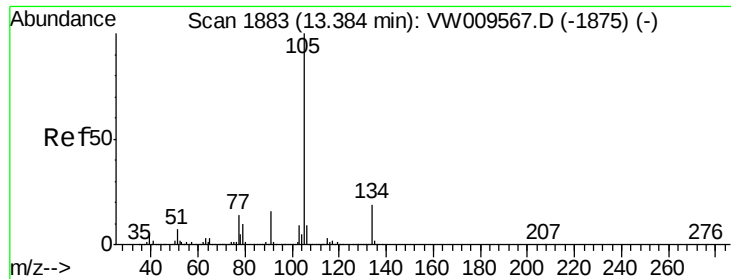
Tgt Ion:119 Resp: 664394
 Ion Ratio Lower Upper
 119 100
 91 70.5 34.4 103.2
 134 25.2 12.7 38.1



#84
 1,2,4-Trimethylbenzene
 Concen: 50.429 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.01 min
 Lab File: VW009699.D
 Acq: 04 Apr 2019 16:26

Tgt Ion:105 Resp: 788947
 Ion Ratio Lower Upper
 105 100
 120 44.7 22.8 68.3

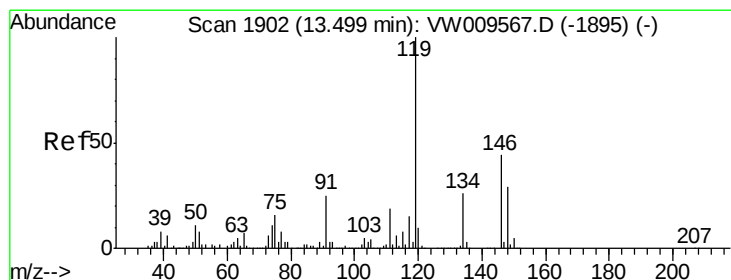
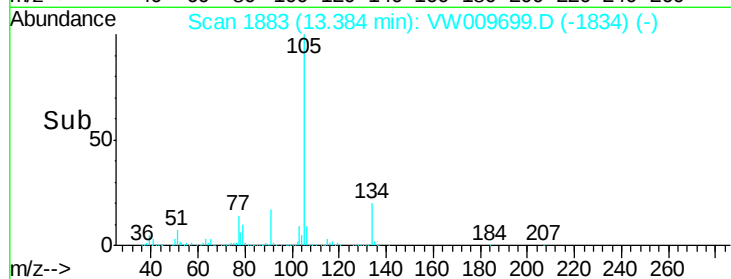
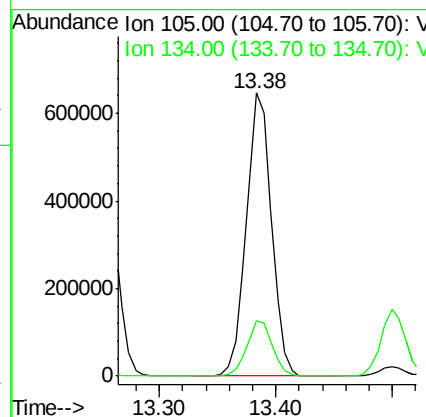
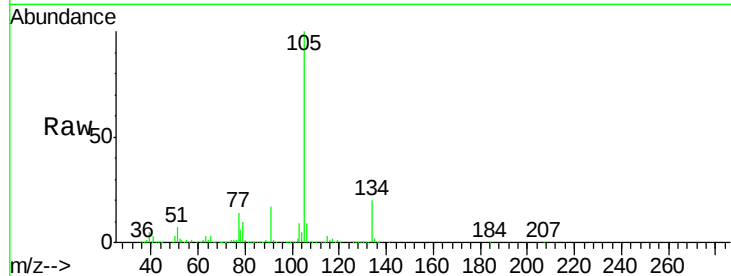




#85
 sec-Butylbenzene
 Concen: 50.008 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VW009699.D
 Acq: 04 Apr 2019 16:26

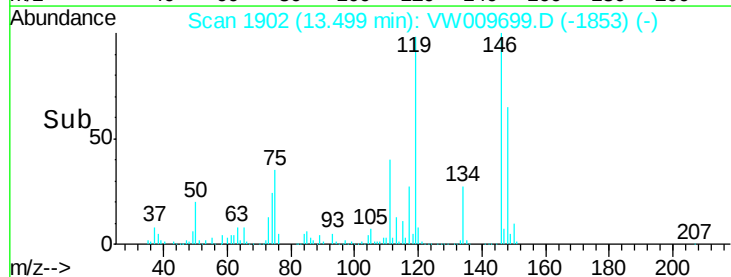
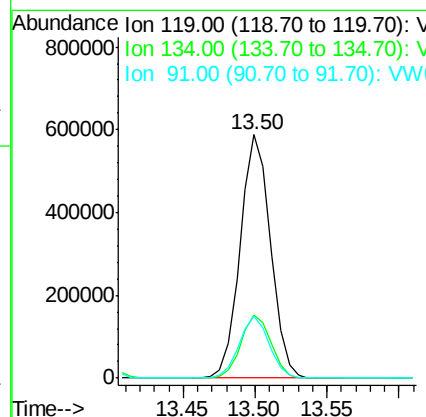
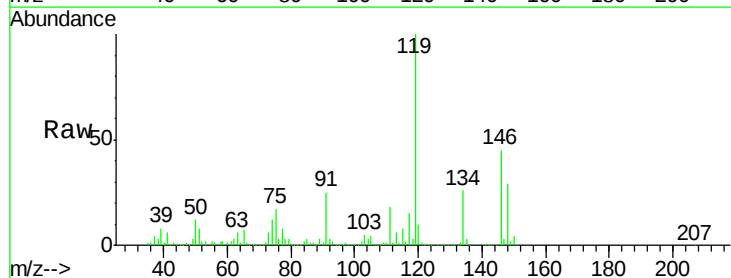
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

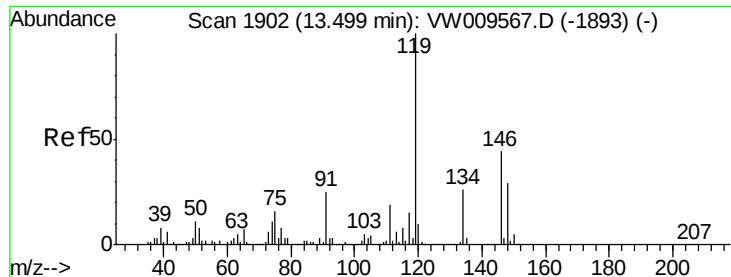
Tgt Ion:105 Resp: 977377
 Ion Ratio Lower Upper
 105 100
 134 19.9 10.2 30.6



#86
 p-Isopropyltoluene
 Concen: 50.473 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW009699.D
 Acq: 04 Apr 2019 16:26

Tgt Ion:119 Resp: 858013
 Ion Ratio Lower Upper
 119 100
 134 25.9 13.1 39.3
 91 25.1 12.3 36.8





#87

1,3-Dichlorobenzene

Concen: 48.011 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW009699.D

Acq: 04 Apr 2019 16:26

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

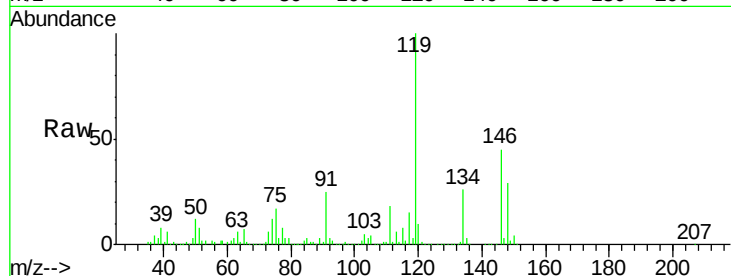
Tgt Ion:146 Resp: 412520

Ion Ratio Lower Upper

146 100

111 40.8 20.1 60.2

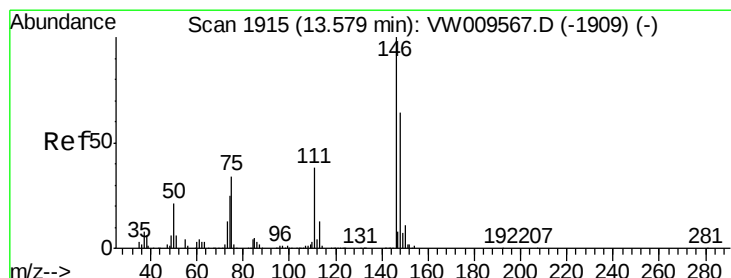
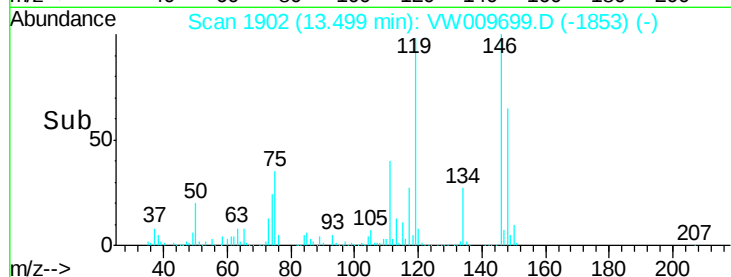
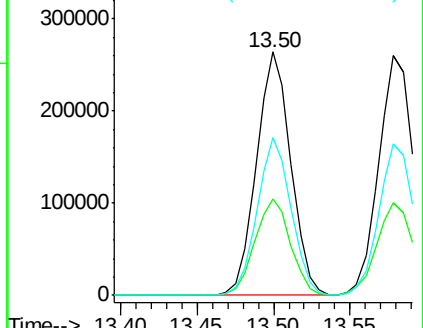
148 63.8 31.4 94.3



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



#88

1,4-Dichlorobenzene

Concen: 48.004 ug/l

RT: 13.58 min Scan# 1915

Delta R.T. 0.00 min

Lab File: VW009699.D

Acq: 04 Apr 2019 16:26

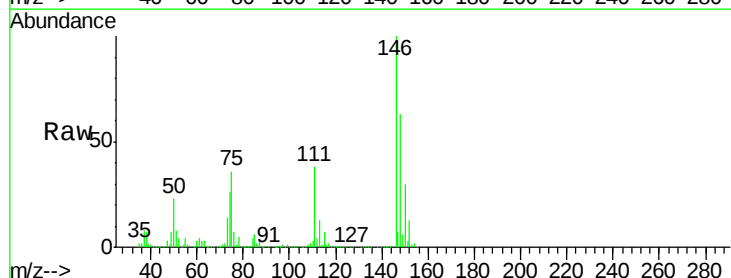
Tgt Ion:146 Resp: 411974

Ion Ratio Lower Upper

146 100

111 39.8 19.9 59.6

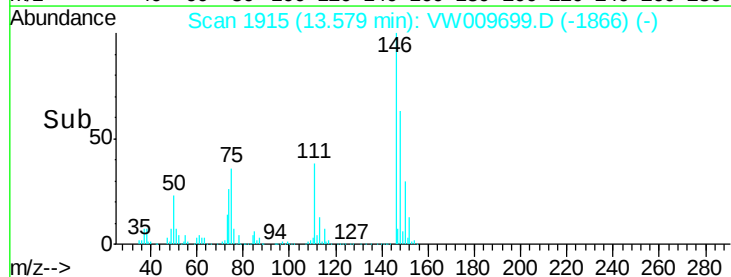
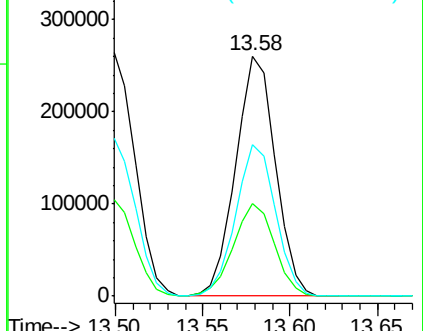
148 63.4 32.2 96.6

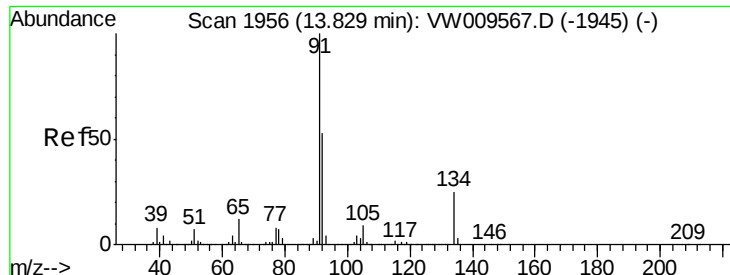


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 50.332 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VW009699.D

Acq: 04 Apr 2019 16:26

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

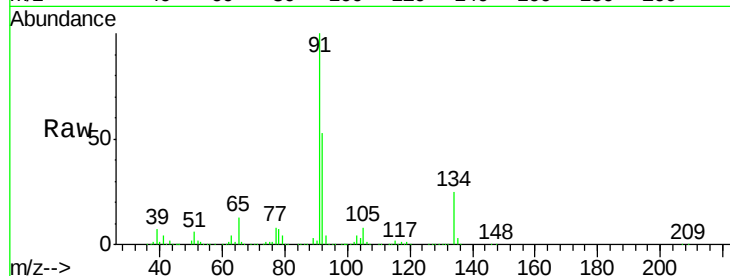
Tgt Ion: 91 Resp: 844541

Ion Ratio Lower Upper

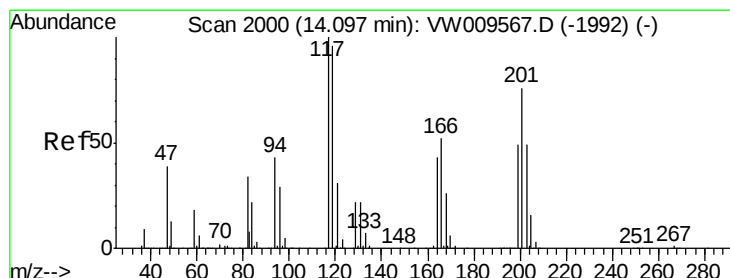
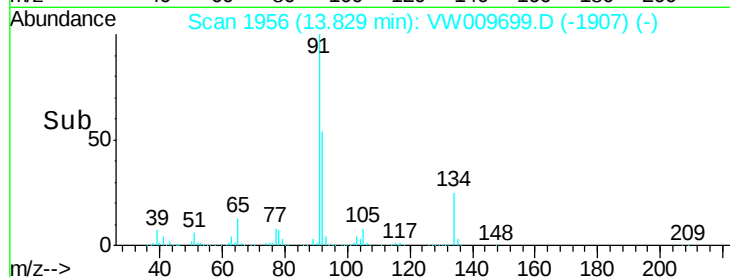
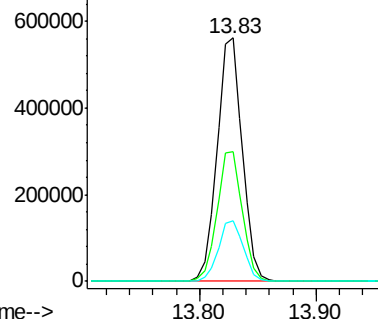
91 100

92 53.6 26.4 79.0

134 24.9 12.9 38.6



Abundance Ion 91.00 (90.70 to 91.70): VW
Ion 92.00 (91.70 to 92.70): VW
Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 49.260 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. 0.00 min

Lab File: VW009699.D

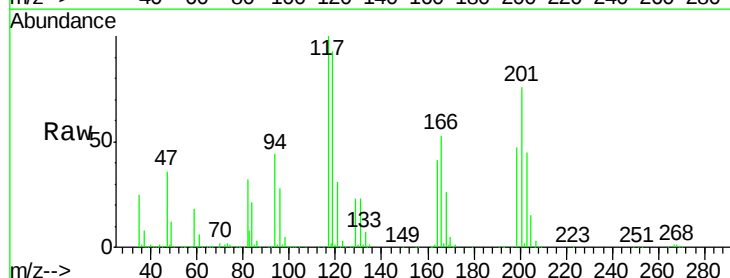
Acq: 04 Apr 2019 16:26

Tgt Ion: 117 Resp: 160354

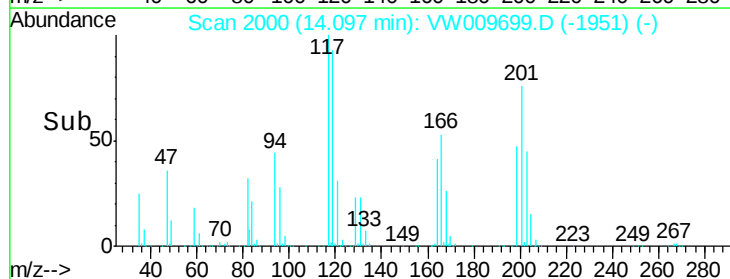
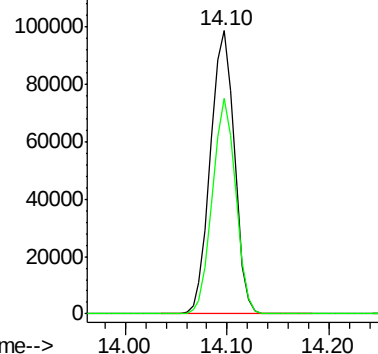
Ion Ratio Lower Upper

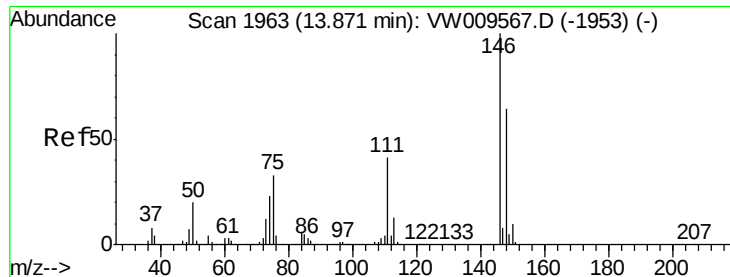
117 100

201 73.8 38.2 114.6



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 200.70 (200.40 to 201.40): V

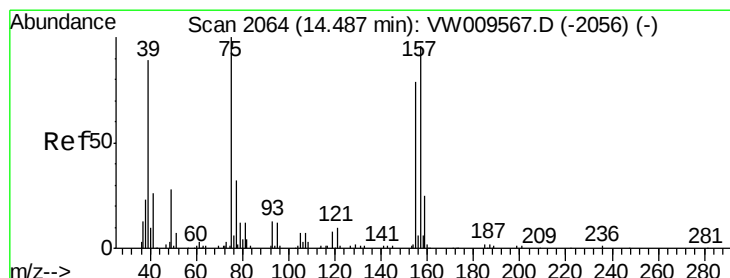
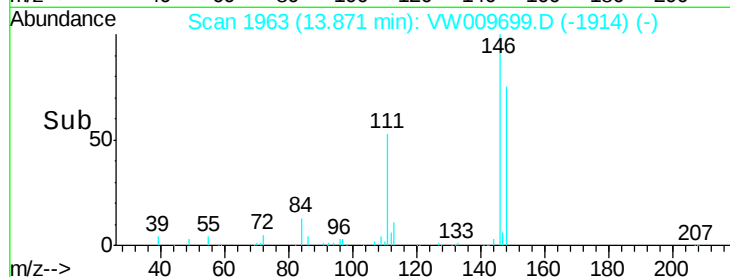
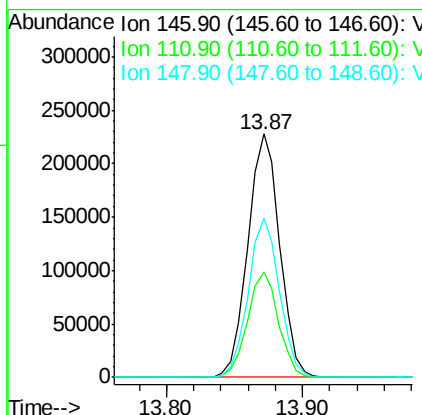
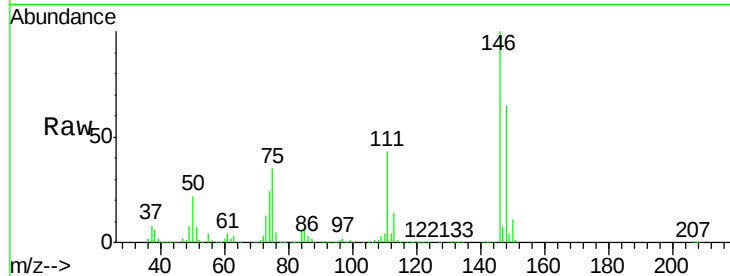




#91
 1,2-Dichlorobenzene
 Concen: 48.606 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW009699.D
 Acq: 04 Apr 2019 16:26

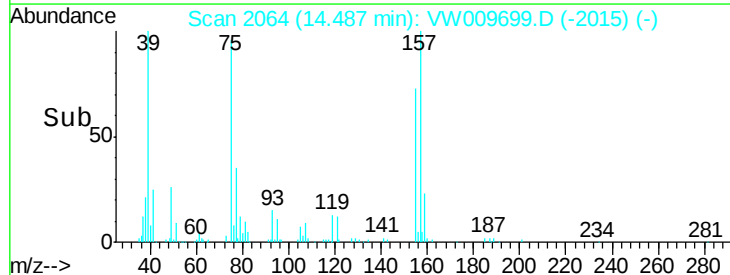
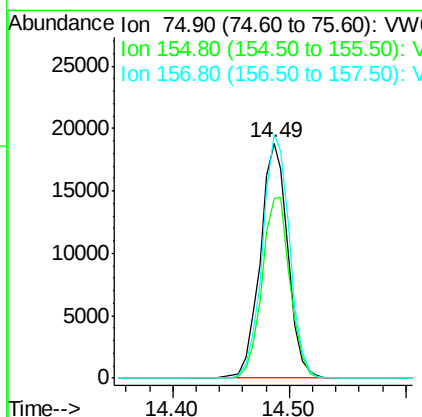
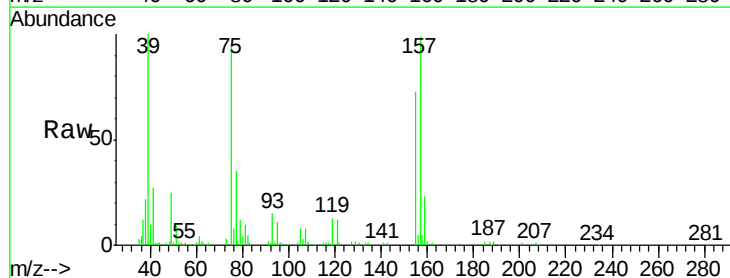
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

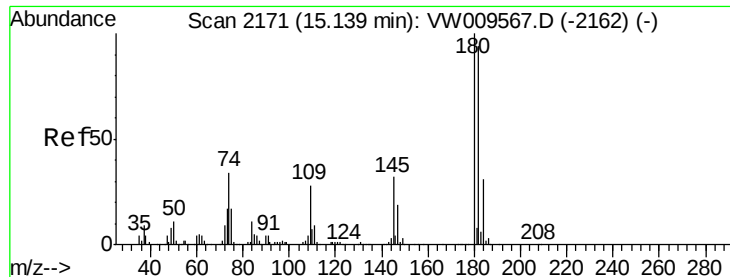
Tgt Ion: 146 Resp: 373455
 Ion Ratio Lower Upper
 146 100
 111 42.3 20.4 61.2
 148 63.9 31.9 95.9



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.721 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW009699.D
 Acq: 04 Apr 2019 16:26

Tgt Ion: 75 Resp: 31019
 Ion Ratio Lower Upper
 75 100
 155 78.0 39.3 117.8
 157 101.1 49.5 148.5

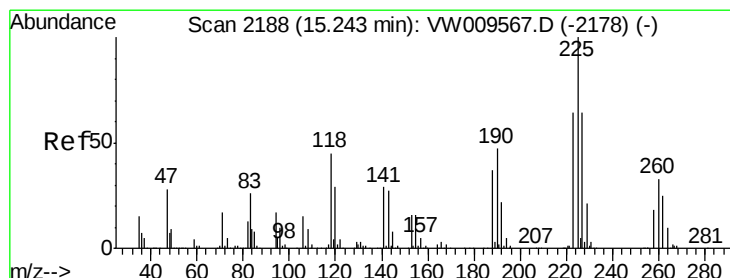
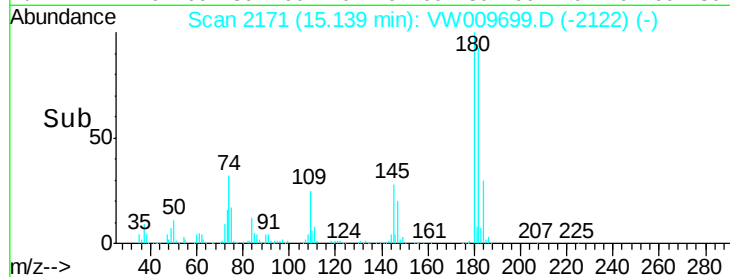
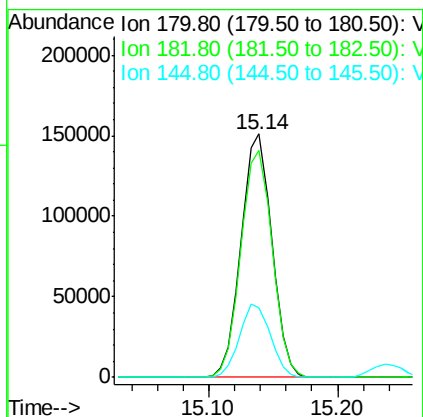
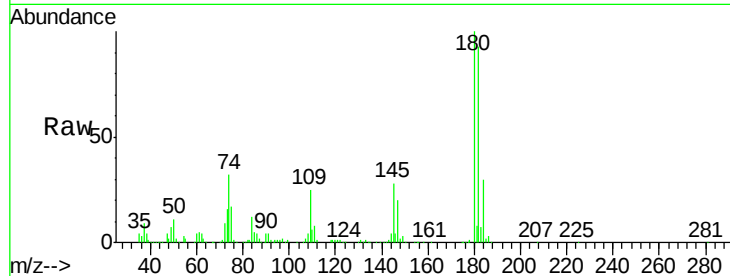




#93
 1,2,4-Trichlorobenzene
 Concen: 50.333 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW009699.D
 Acq: 04 Apr 2019 16:26

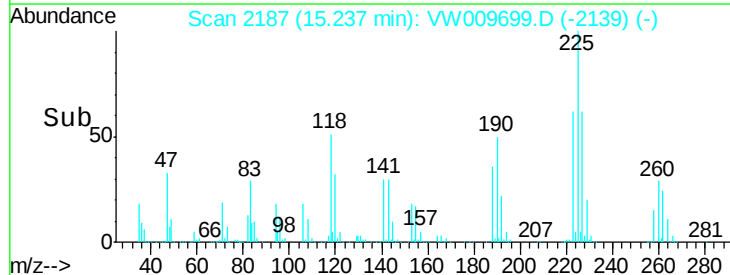
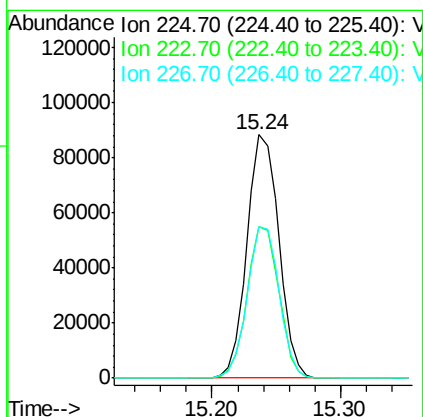
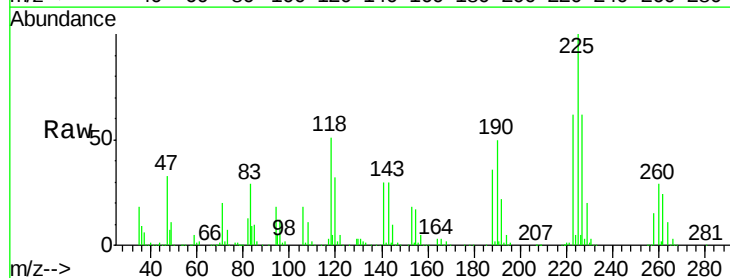
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

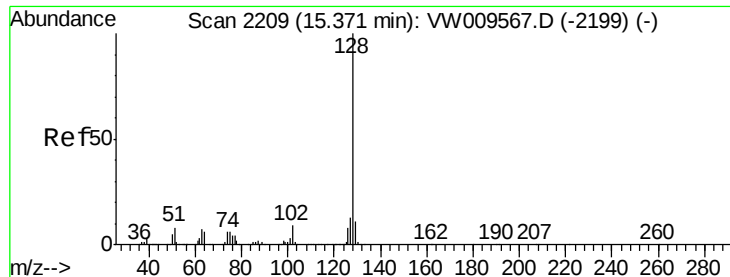
Tgt Ion:180 Resp: 249052
 Ion Ratio Lower Upper
 180 100
 182 95.1 47.9 143.7
 145 30.4 15.0 45.0



#94
 Hexachlorobutadiene
 Concen: 47.526 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.01 min
 Lab File: VW009699.D
 Acq: 04 Apr 2019 16:26

Tgt Ion:225 Resp: 151025
 Ion Ratio Lower Upper
 225 100
 223 62.0 31.4 94.3
 227 62.0 32.1 96.5

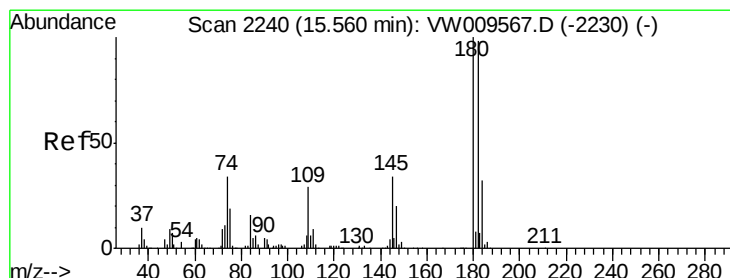
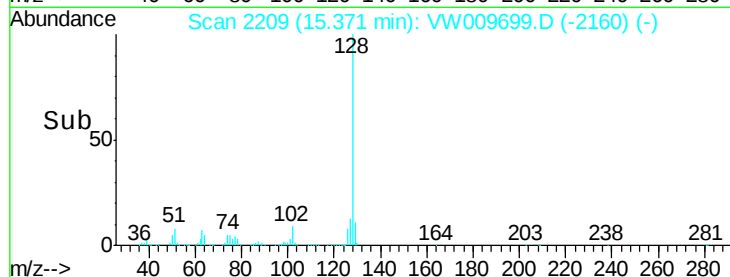
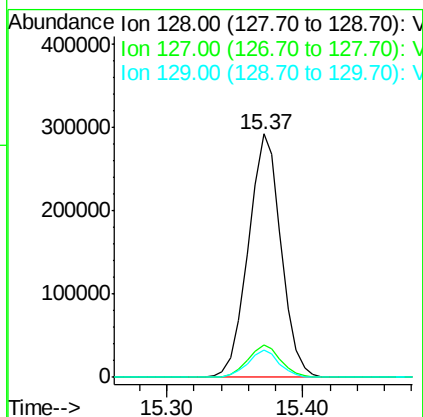
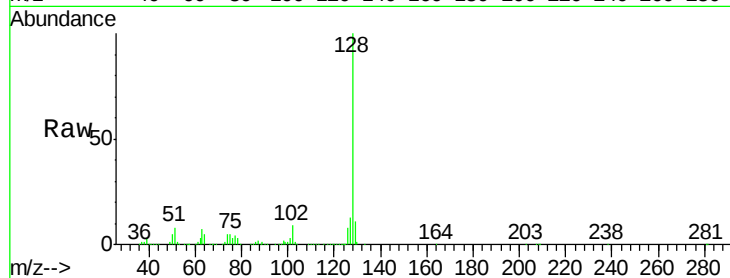




#95
Naphthalene
Concen: 48.865 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW009699.D
Acq: 04 Apr 2019 16:26

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion:128 Resp: 490760
Ion Ratio Lower Upper
128 100
127 13.6 10.8 16.2
129 10.9 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 49.721 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VW009699.D
Acq: 04 Apr 2019 16:26

Tgt Ion:180 Resp: 219807
Ion Ratio Lower Upper
180 100
182 96.7 47.3 141.9
145 33.3 16.0 48.0

