

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW110718\
 Data File : VW0066735.D
 Acq On : 07 Nov 2018 14:49
 Operator : SY/AP
 Sample : VW1107WSBSD01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Nov 07 15:50:37 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W110218S.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 01 03:48:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	298084	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	410580	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	368866	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	206464	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	120565	47.05	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	94.10%	
35) Dibromofluoromethane	7.88	113	132685	51.49	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	102.98%	
50) Toluene-d8	10.33	98	500676	51.04	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	102.08%	
62) 4-Bromofluorobenzene	12.62	95	172624	48.54	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	97.08%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	34603	22.393	ug/l	97
3) Chloromethane	2.22	50	41103	21.498	ug/l	94
4) Vinyl Chloride	2.37	62	61971	23.213	ug/l	98
5) Bromomethane	2.78	94	50608	22.589	ug/l	99
6) Chloroethane	2.93	64	42223	22.636	ug/l	96
7) Trichlorofluoromethane	3.26	101	56647	24.029	ug/l	98
8) Diethyl Ether	3.68	74	24321	18.873	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	4.06	101	59239	23.532	ug/l	100
10) Methyl Iodide	4.27	142	93669	20.521	ug/l	99
11) Tert butyl alcohol	5.21	59	14406	104.349	ug/l #	95
12) 1,1-Dichloroethene	4.04	96	53146	21.858	ug/l	95
13) Acrolein	3.90	56	13883	79.955	ug/l	94
14) Allyl chloride	4.67	41	66898	21.078	ug/l	99
15) Acrylonitrile	5.37	53	45592	98.670	ug/l	98
16) Acetone	4.14	43	52481	126.863	ug/l	99
17) Carbon Disulfide	4.37	76	153247	22.149	ug/l	100
18) Methyl Acetate	4.67	43	22289	18.737	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	70457	19.468	ug/l	99
20) Methylene Chloride	4.91	84	57447	17.551	ug/l	94
21) trans-1,2-Dichloroethene	5.43	96	58659	21.321	ug/l	96
22) Diisopropyl ether	6.32	45	138866	20.988	ug/l	99
23) Vinyl Acetate	6.26	43	367346	100.117	ug/l	99
24) 1,1-Dichloroethane	6.21	63	96729	21.571	ug/l	98
25) 2-Butanone	7.18	43	65166	110.393	ug/l	98
26) 2,2-Dichloropropane	7.16	77	66210	24.511	ug/l	97
27) cis-1,2-Dichloroethene	7.17	96	64877	21.077	ug/l	98
28) Bromochloromethane	7.51	49	35476	19.923	ug/l	99
29) Tetrahydrofuran	7.54	42	35365	95.248	ug/l	99
30) Chloroform	7.68	83	104095	21.173	ug/l	99
31) Cyclohexane	7.96	56	89249	21.868	ug/l	98
32) 1,1,1-Trichloroethane	7.88	97	93659	22.513	ug/l	99
36) 1,1-Dichloropropene	8.09	75	82745	22.917	ug/l	99
37) Ethyl Acetate	7.26	43	25992	20.773	ug/l	99
38) Carbon Tetrachloride	8.07	117	89243	23.654	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	107615	23.486	ug/l	99
40) Benzene	8.33	78	232808	22.701	ug/l	100
41) Methacrylonitrile	7.49	41	16423	21.405	ug/l	95
42) 1,2-Dichloroethane	8.40	62	61136	20.786	ug/l	99
43) Isopropyl Acetate	8.43	43	49985	20.019	ug/l	99
44) Trichloroethene	9.10	130	69160	21.853	ug/l	97
45) 1,2-Dichloropropane	9.37	63	52424	21.965	ug/l	94
46) Dibromomethane	9.46	93	28895	20.595	ug/l	100
47) Bromodichloromethane	9.65	83	70799	21.734	ug/l	99
48) Methyl methacrylate	9.44	41	23261	19.336	ug/l	97
49) 1,4-Dioxane	9.47	88	8521	415.004	ug/l #	1
51) 4-Methyl-2-Pentanone	10.21	43	126980	99.022	ug/l	98
52) Toluene	10.39	92	150493	21.878	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	66907	21.341	ug/l	97
54) cis-1,3-Dichloropropene	10.07	75	78862	21.286	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	41901	21.049	ug/l	99
56) Ethyl methacrylate	10.65	69	41854	18.499	ug/l	96
57) 1,3-Dichloropropane	10.94	76	67204	20.791	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	109451	99.516	ug/l	99
59) 2-Hexanone	10.98	43	94275	108.244	ug/l	98
60) Dibromochloromethane	11.13	129	48957	20.758	ug/l	98
61) 1,2-Dibromoethane	11.24	107	39641	20.053	ug/l	97
64) Tetrachloroethene	10.87	164	62461	21.242	ug/l	97
65) Chlorobenzene	11.66	112	172738	22.254	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	58888	21.585	ug/l	99
67) Ethyl Benzene	11.74	91	293420	22.616	ug/l	97
68) m/p-Xylenes	11.84	106	233074	44.966	ug/l	100
69) o-Xylene	12.17	106	107517	21.788	ug/l	99
70) Styrene	12.19	104	172619	21.456	ug/l	99
71) Bromoform	12.35	173	29839	20.633	ug/l #	99
73) Isopropylbenzene	12.47	105	304764	22.408	ug/l	100
74) N-amyl acetate	12.28	43	46543	19.803	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.72	83	45428	21.148	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	56493	35.069	ug/l #	100
77) Bromobenzene	12.75	156	75705	21.498	ug/l	98
78) n-propylbenzene	12.81	91	358627	22.924	ug/l	99
79) 2-Chlorotoluene	12.90	91	199403	22.210	ug/l	99
80) 1,3,5-Trimethylbenzene	12.95	105	258920	22.660	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	11741	20.532	ug/l	96
82) 4-Chlorotoluene	12.99	91	211936	22.313	ug/l	99
83) tert-Butylbenzene	13.21	119	230385	22.609	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	260643	22.239	ug/l	99
85) sec-Butylbenzene	13.39	105	329789	23.108	ug/l	100
86) p-Isopropyltoluene	13.51	119	296148	22.806	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	154812	22.323	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	154997	22.547	ug/l	99
89) n-Butylbenzene	13.83	91	276085	23.951	ug/l	98
90) Hexachloroethane	14.10	117	47746	22.371	ug/l	99
91) 1,2-Dichlorobenzene	13.88	146	135556	21.730	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	6930	19.882	ug/l	96

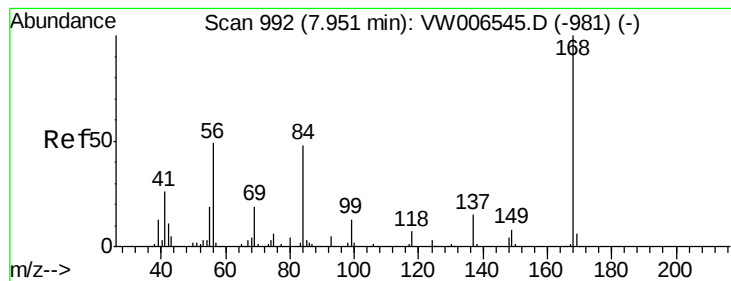
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	101057	21.786	ug/l	100
94) Hexachlorobutadiene	15.25	225	68020	23.529	ug/l	99
95) Naphthalene	15.38	128	146595	19.664	ug/l	99
96) 1,2,3-Trichlorobenzene	15.57	180	87385	21.435	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW0066735.D

Acq: 07 Nov 2018 14:49

Instrument :

MSVOA_W

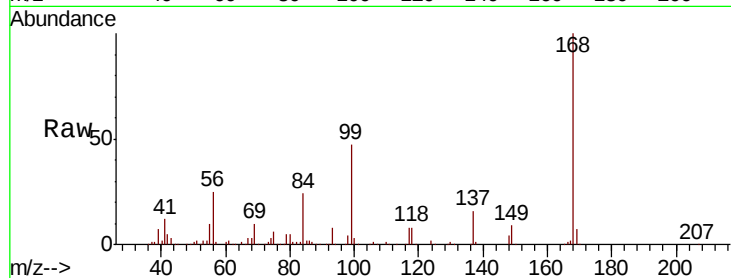
ClientSampleId :

Tot Ion:168 Resp: 298084

Ion Ratio Lower Upper

168 100

99 47.1 37.4 56.0



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

150000

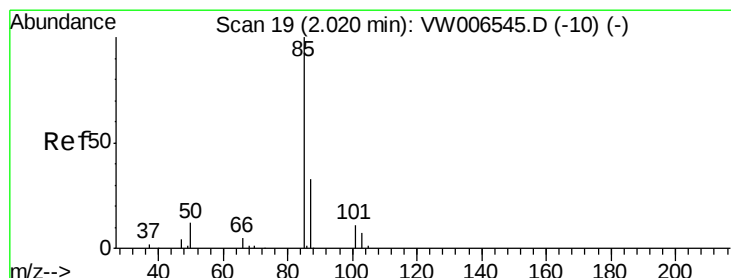
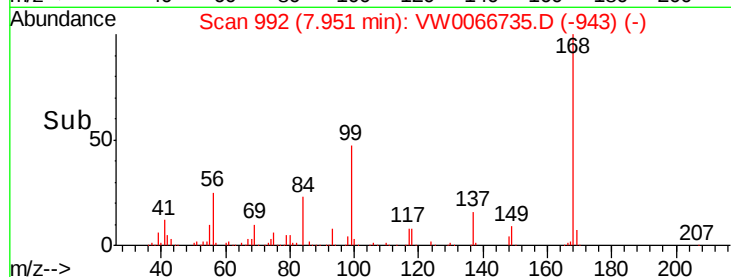
100000

50000

0

7.90 8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 22.393 ug/l

RT: 2.01 min Scan# 18

Delta R.T. -0.01 min

Lab File: VW0066735.D

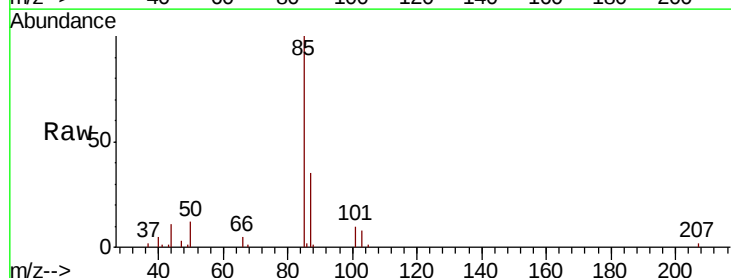
Acq: 07 Nov 2018 14:49

Tgt Ion: 85 Resp: 34603

Ion Ratio Lower Upper

85 100

87 35.0 16.8 50.3



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

10000

8000

6000

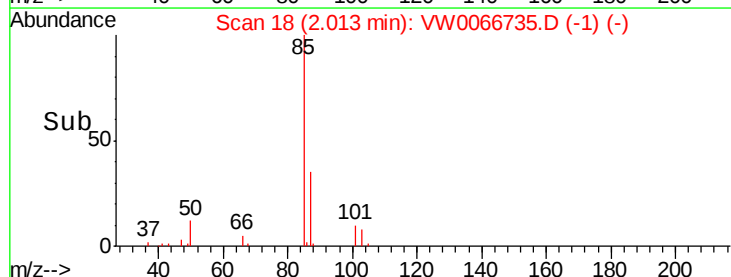
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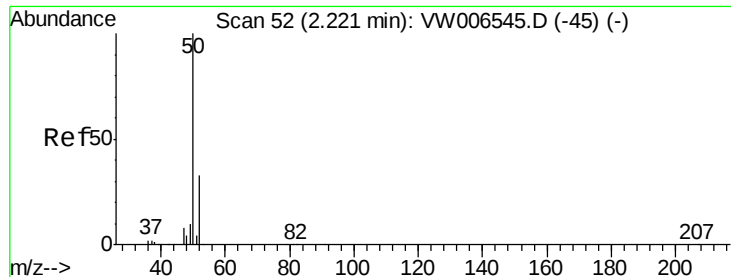
2000

0

1.90 2.00 2.10

Time-->





#3

Chloromethane

Concen: 21.498 ug/l

RT: 2.22 min Scan# 52

Delta R.T. 0.00 min

Lab File: VW0066735.D

Acq: 07 Nov 2018 14:49

Instrument :

MSVOA_W

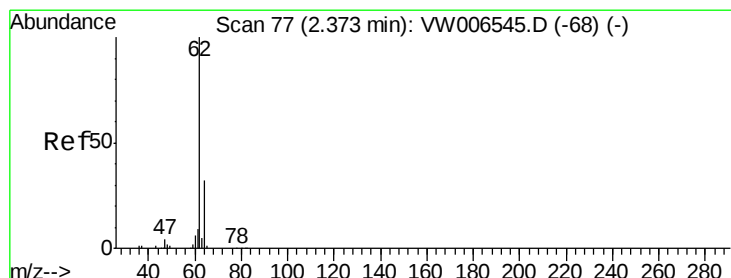
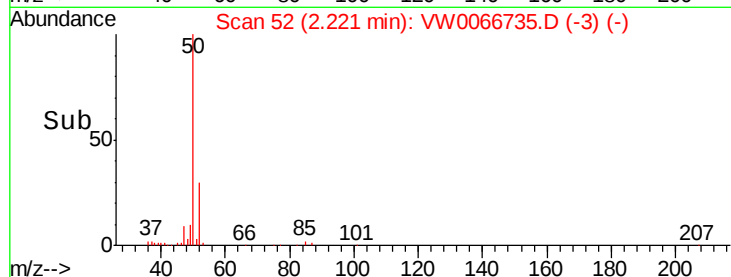
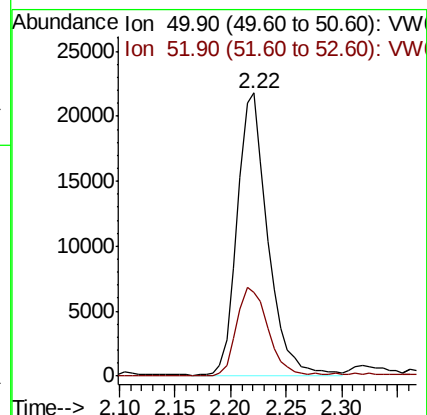
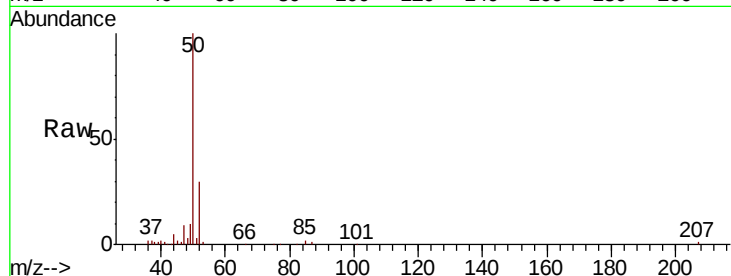
ClientSampleId :

Tot Ion: 50 Resp: 41103

Ion Ratio Lower Upper

50 100

52 29.7 26.2 39.4



#4

Vinyl Chloride

Concen: 23.213 ug/l

RT: 2.37 min Scan# 77

Delta R.T. 0.00 min

Lab File: VW0066735.D

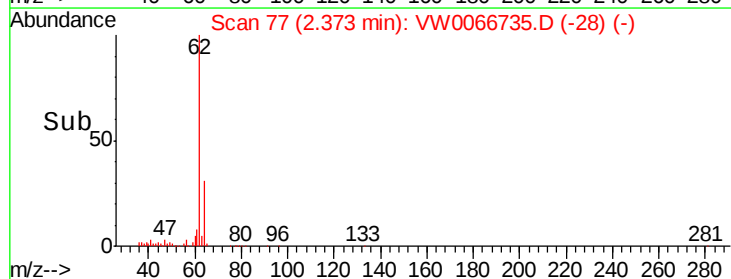
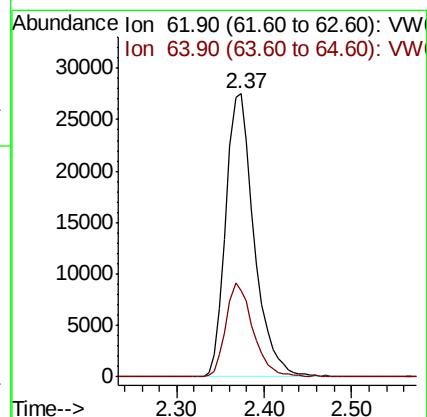
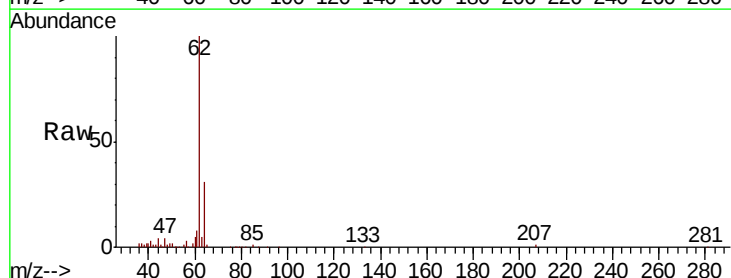
Acq: 07 Nov 2018 14:49

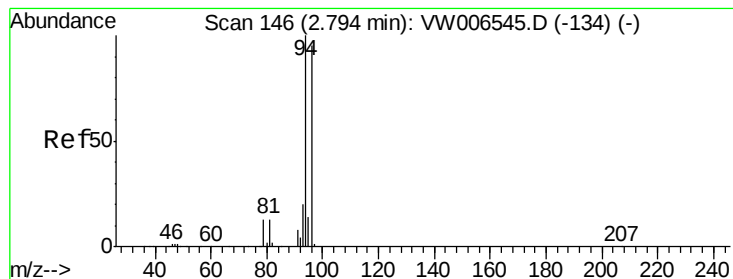
Tgt Ion: 62 Resp: 61971

Ion Ratio Lower Upper

62 100

64 30.7 25.4 38.0





#5

Bromomethane

Concen: 22.589 ug/l

RT: 2.78 min Scan# 144

Delta R.T. -0.01 min

Lab File: VW0066735.D

Acq: 07 Nov 2018 14:49

Instrument :

MSVOA_W

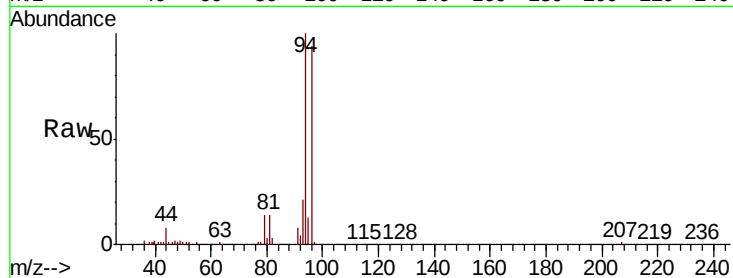
ClientSampleId :

Tot Ion: 94 Resp: 50608

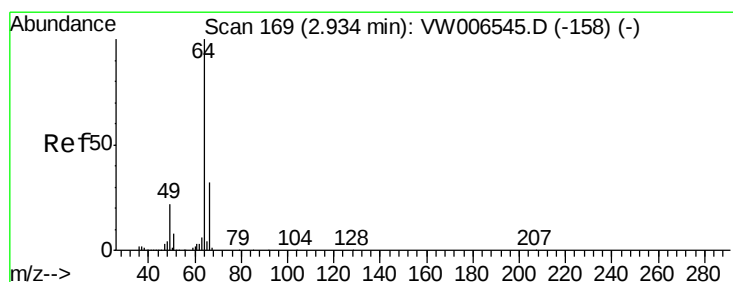
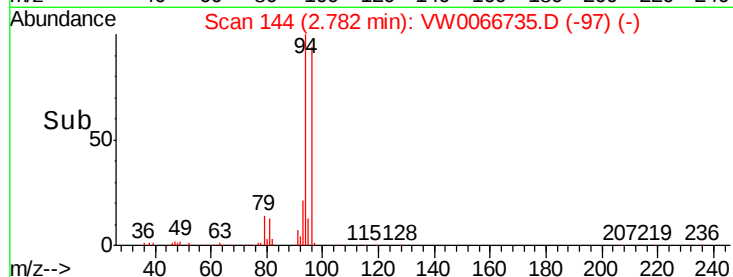
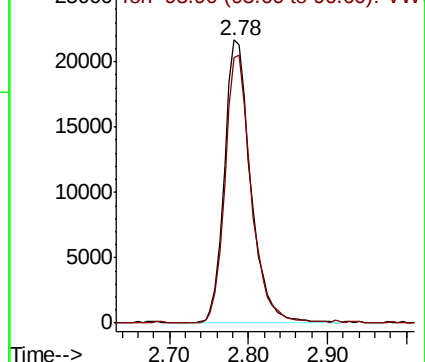
Ion Ratio Lower Upper

94 100

96 93.4 75.7 113.5



Abundance Ion 93.90 (93.60 to 94.60): VW
Ion 95.90 (95.60 to 96.60): VW



#6

Chloroethane

Concen: 22.636 ug/l

RT: 2.93 min Scan# 169

Delta R.T. 0.00 min

Lab File: VW0066735.D

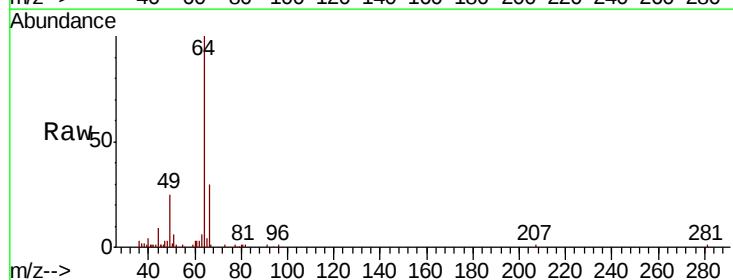
Acq: 07 Nov 2018 14:49

Tgt Ion: 64 Resp: 42223

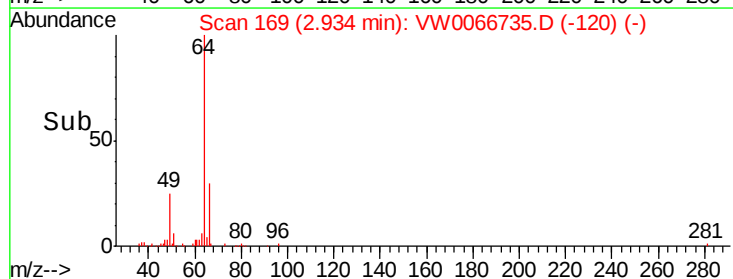
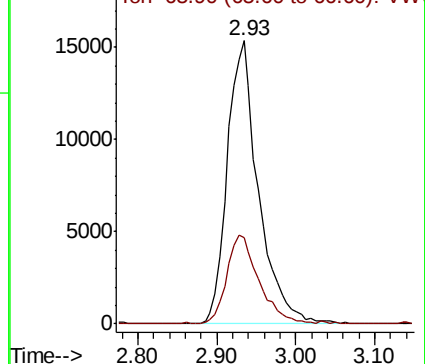
Ion Ratio Lower Upper

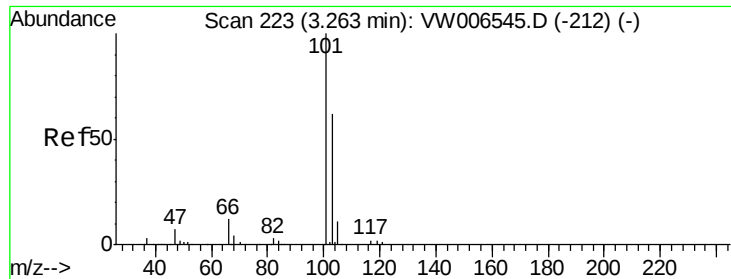
64 100

66 30.4 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VW
Ion 65.90 (65.60 to 66.60): VW



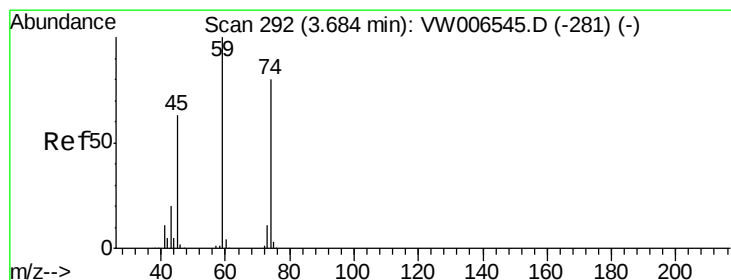
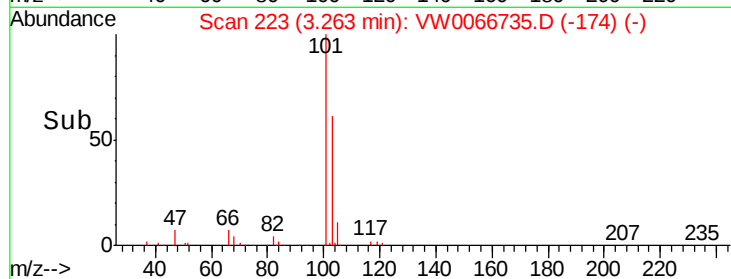
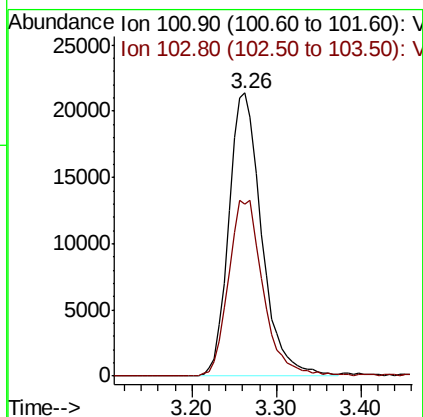
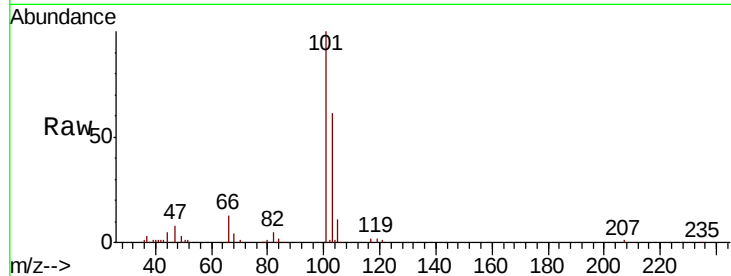


#7

Trichlorofluoromethane
 Concen: 24.029 ug/l
 RT: 3.26 min Scan# 223
 Delta R.T. 0.00 min
 Lab File: VW0066735.D
 Acq: 07 Nov 2018 14:49

Instrument :
 MSVOA_W
 ClientSampleId :

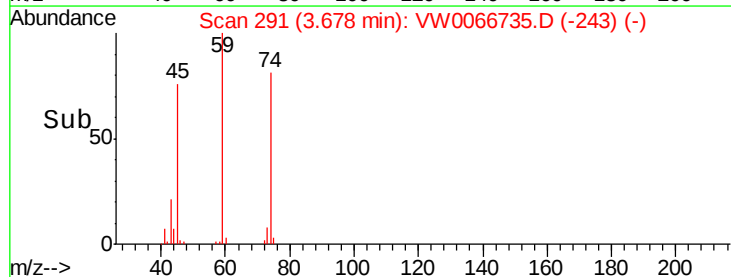
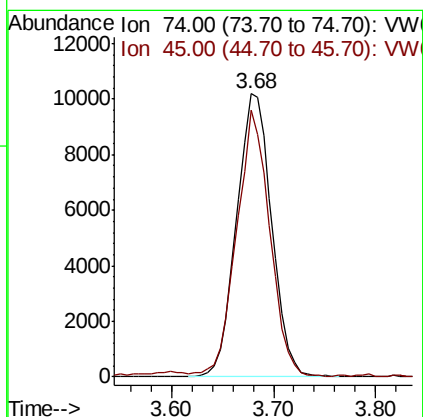
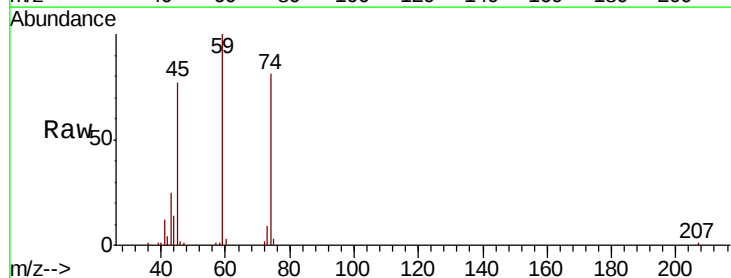
Tot Ion:101 Resp: 56647
 Ion Ratio Lower Upper
 101 100
 103 60.9 49.8 74.8

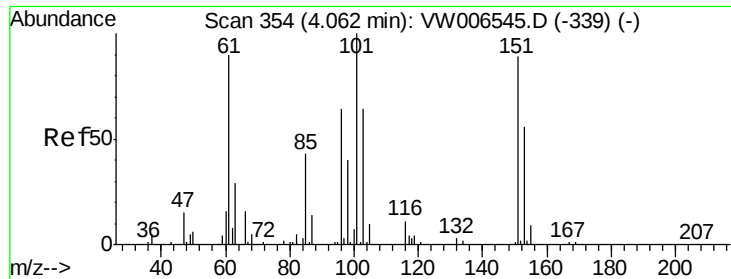


#8

Diethyl Ether
 Concen: 18.873 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.01 min
 Lab File: VW0066735.D
 Acq: 07 Nov 2018 14:49

Tgt Ion: 74 Resp: 24321
 Ion Ratio Lower Upper
 74 100
 45 89.4 41.1 123.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 23.532 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

Lab File: VW0066735.D

Acq: 07 Nov 2018 14:49

Instrument :

MSVOA_W

ClientSampleId :

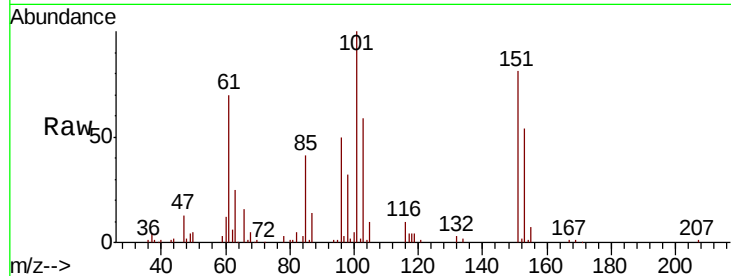
Tot Ion:101 Resp: 59239

Ion Ratio Lower Upper

101 100

85 42.6 34.2 51.2

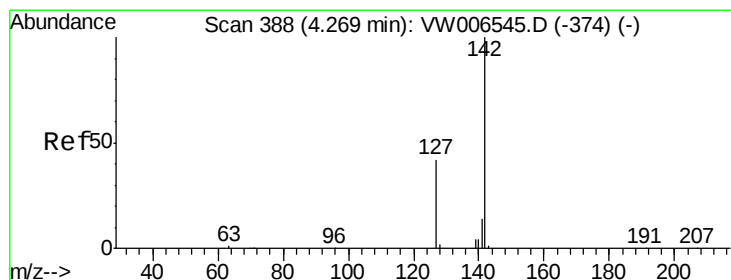
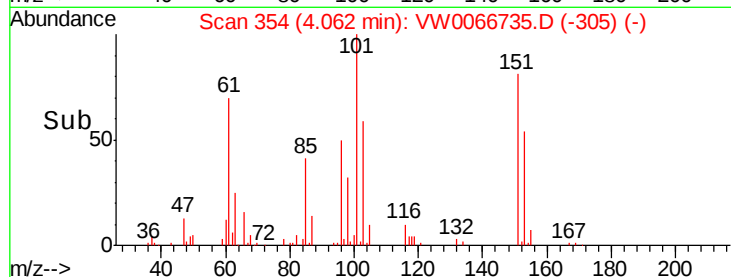
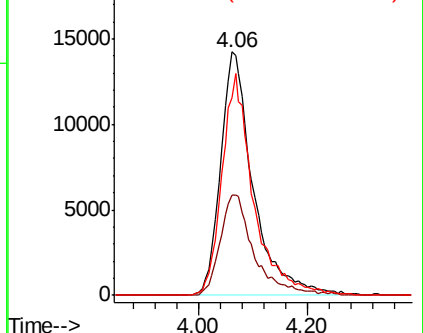
151 88.5 70.7 106.1



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: 20.521 ug/l

RT: 4.27 min Scan# 388

Delta R.T. 0.00 min

Lab File: VW0066735.D

Acq: 07 Nov 2018 14:49

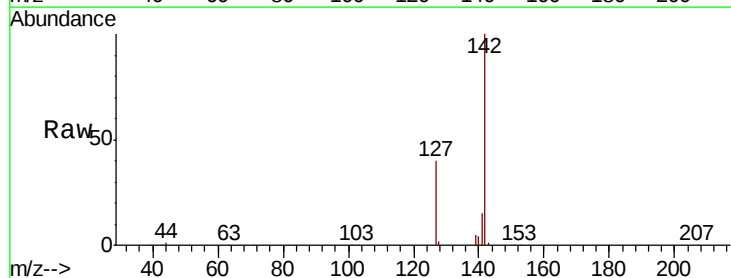
Tgt Ion:142 Resp: 93669

Ion Ratio Lower Upper

142 100

127 41.2 32.3 48.5

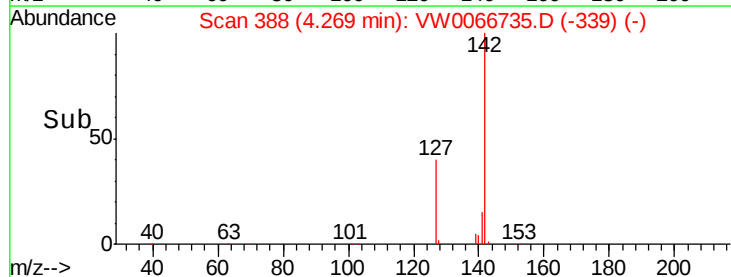
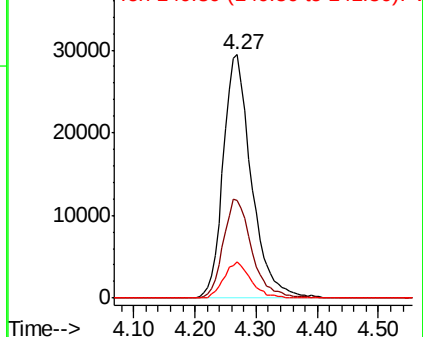
141 14.2 11.3 16.9

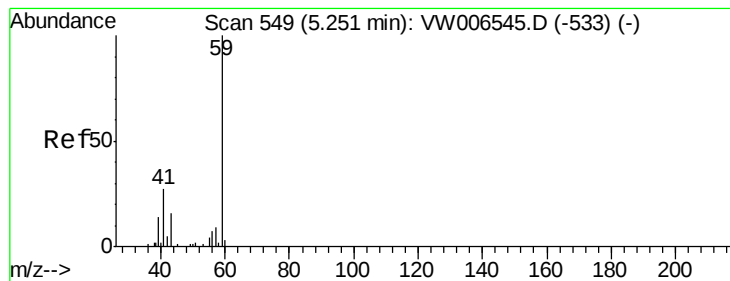


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



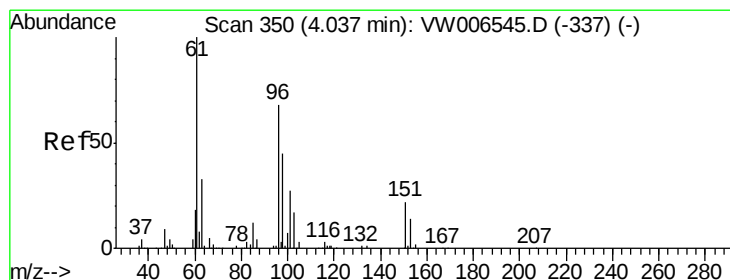
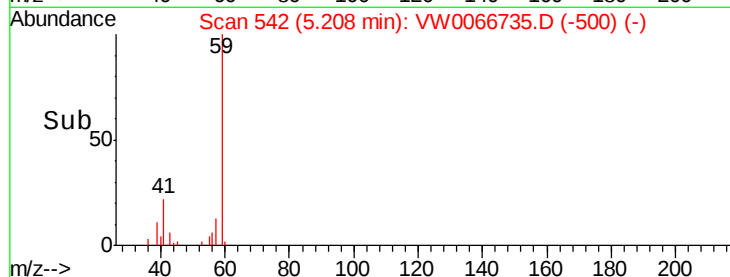
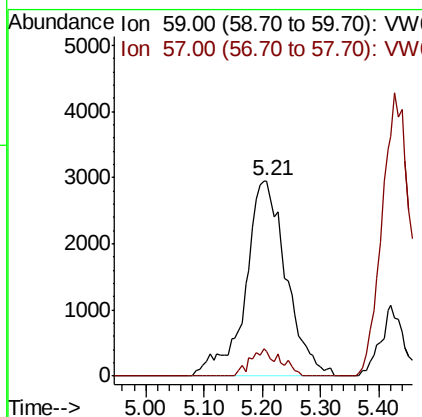
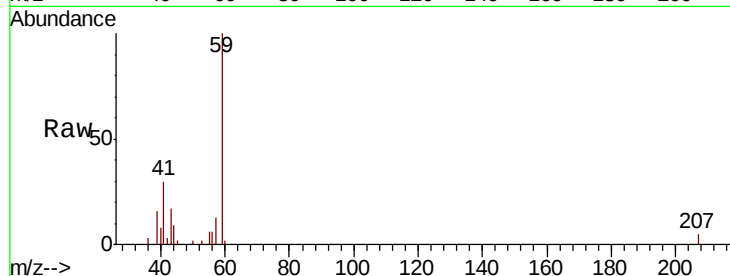


#11

Tert butyl alcohol
 Concen: 104.349 ug/l
 RT: 5.21 min Scan# 542
 Delta R.T. -0.04 min
 Lab File: VW0066735.D
 Acq: 07 Nov 2018 14:49

Instrument :
 MSVOA_W
 ClientSampled :

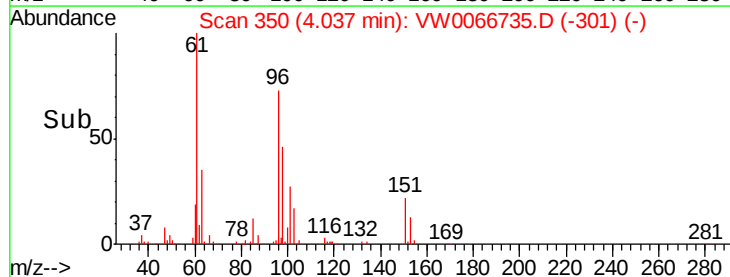
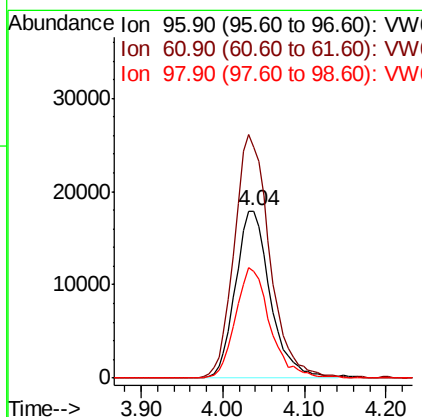
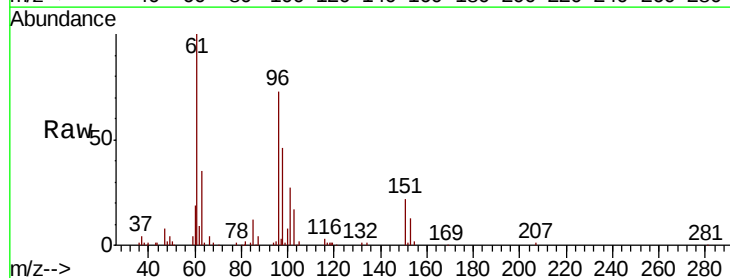
Tot Ion: 59 Resp: 14406
 Ion Ratio Lower Upper
 59 100
 57 7.1 4.3 6.5#

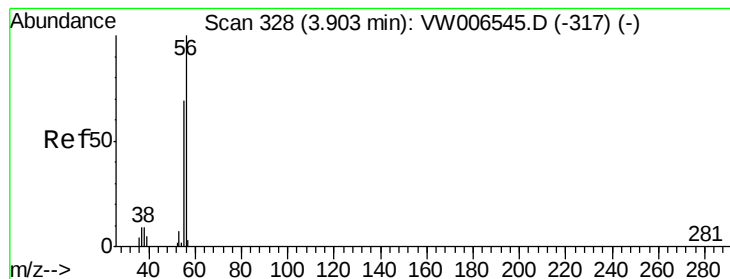


#12

1,1-Dichloroethene
 Concen: 21.858 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. 0.00 min
 Lab File: VW0066735.D
 Acq: 07 Nov 2018 14:49

Tgt Ion: 96 Resp: 53146
 Ion Ratio Lower Upper
 96 100
 61 137.5 117.0 175.4
 98 63.8 52.5 78.7





#13

Acrolein

Concen: 79.955 ug/l

RT: 3.90 min Scan# 327

Delta R.T. -0.01 min

Lab File: VW0066735.D

Acq: 07 Nov 2018 14:49

Instrument :

MSVOA_W

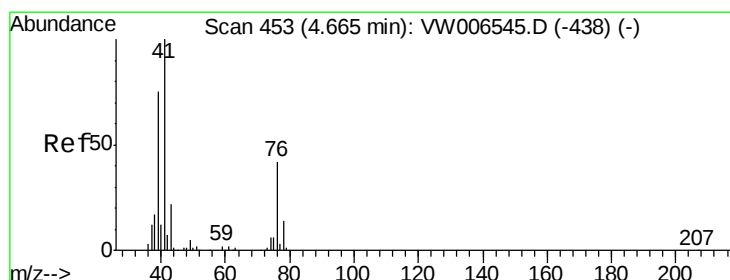
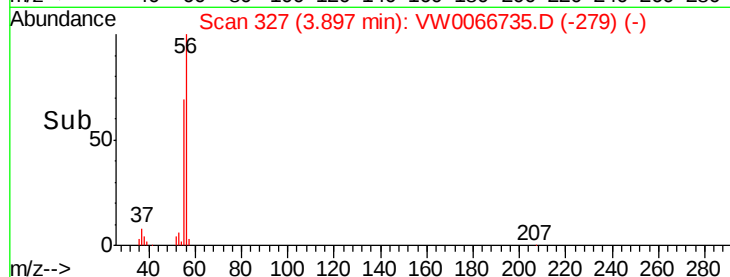
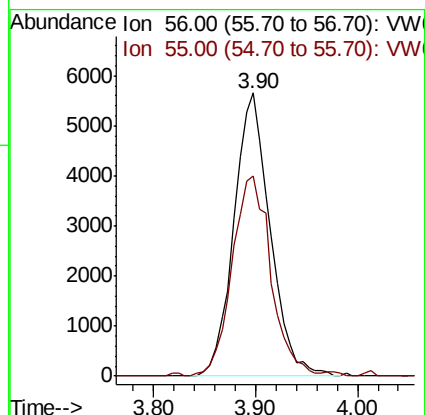
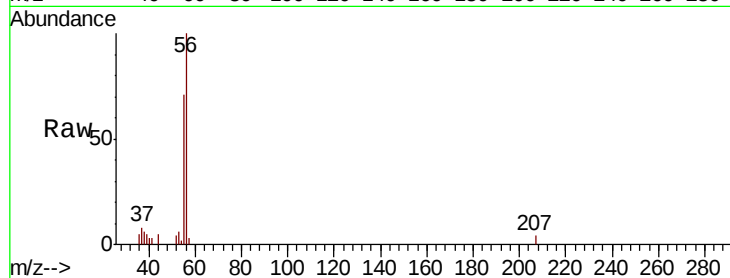
ClientSampleId :

Tot Ion: 56 Resp: 13883

Ion Ratio Lower Upper

56 100

55 76.0 56.9 85.3



#14

Allyl chloride

Concen: 21.078 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.00 min

Lab File: VW0066735.D

Acq: 07 Nov 2018 14:49

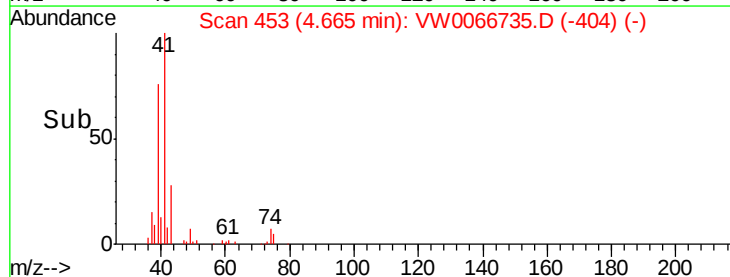
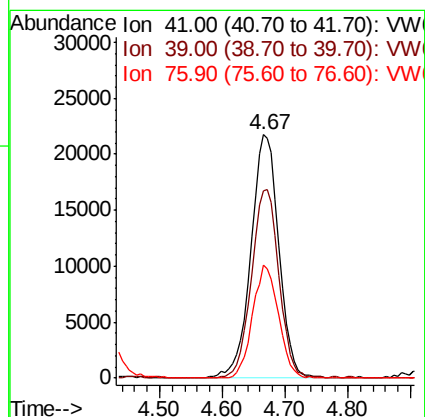
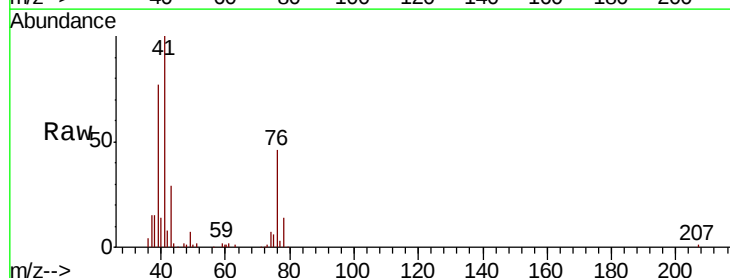
Tgt Ion: 41 Resp: 66898

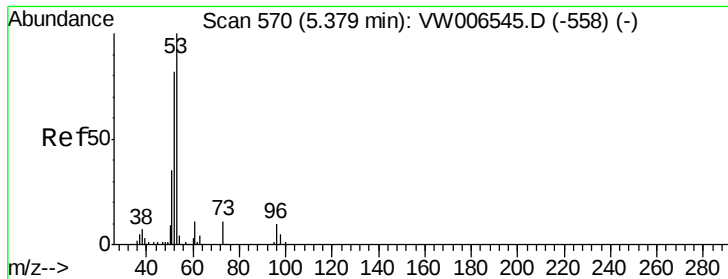
Ion Ratio Lower Upper

41 100

39 76.3 62.1 93.1

76 42.9 34.2 51.2





#15

Acrylonitrile

Concen: 98.670 ug/l

RT: 5.37 min Scan# 569

Delta R.T. -0.01 min

Lab File: VW0066735.D

Acq: 07 Nov 2018 14:49

Instrument :

MSVOA_W

ClientSampleId :

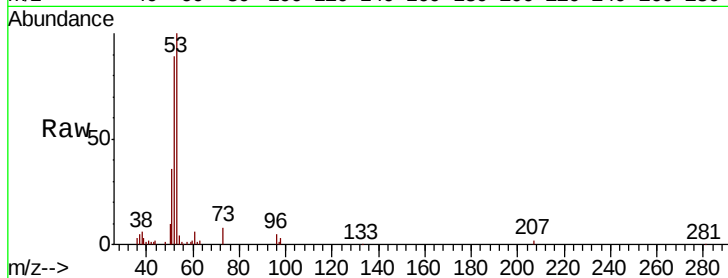
Tot Ion: 53 Resp: 45592

Ion Ratio Lower Upper

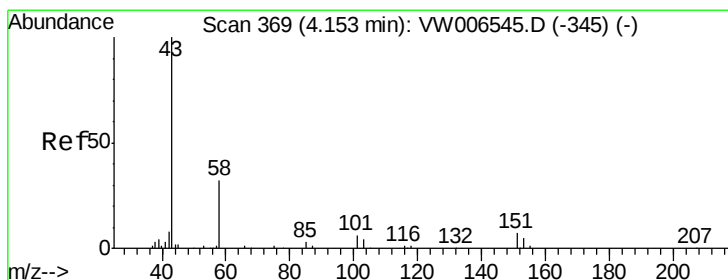
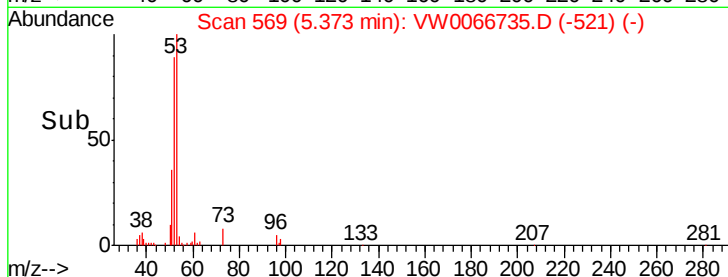
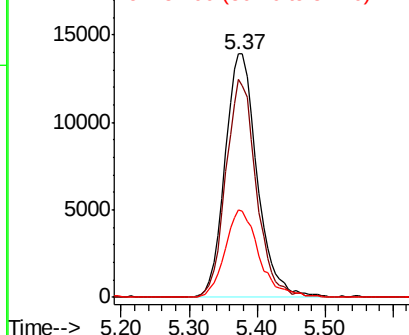
53 100

52 84.5 65.8 98.8

51 37.8 29.6 44.4



Abundance Ion 53.00 (52.70 to 53.70): VW
Ion 52.00 (51.70 to 52.70): VW
Ion 51.00 (50.70 to 51.70): VW



#16

Acetone

Concen: 126.863 ug/l

RT: 4.14 min Scan# 366

Delta R.T. -0.02 min

Lab File: VW0066735.D

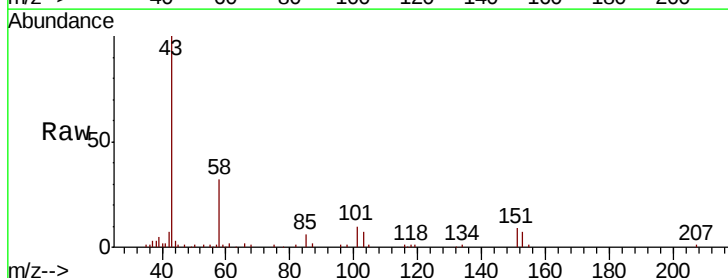
Acq: 07 Nov 2018 14:49

Tgt Ion: 43 Resp: 52481

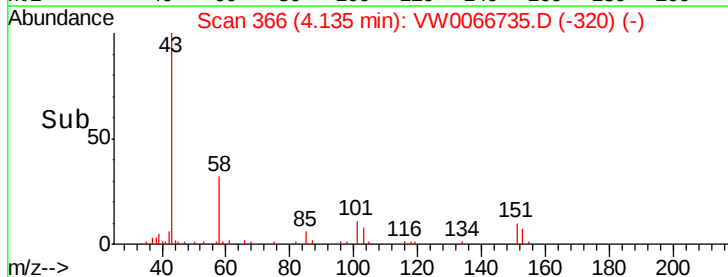
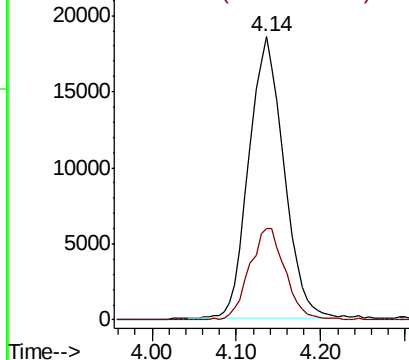
Ion Ratio Lower Upper

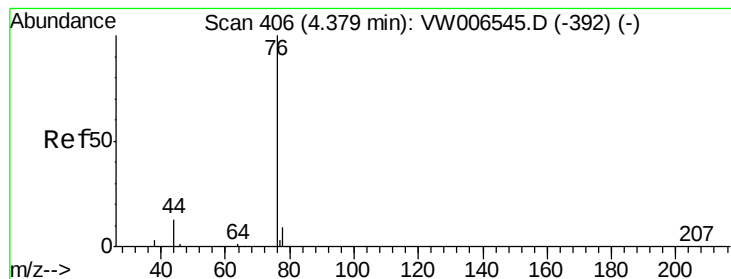
43 100

58 32.0 25.8 38.8



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





#17

Carbon Disulfide

Concen: 22.149 ug/l

RT: 4.37 min Scan# 405

Delta R.T. -0.01 min

Lab File: VW0066735.D

Acq: 07 Nov 2018 14:49

Instrument :

MSVOA_W

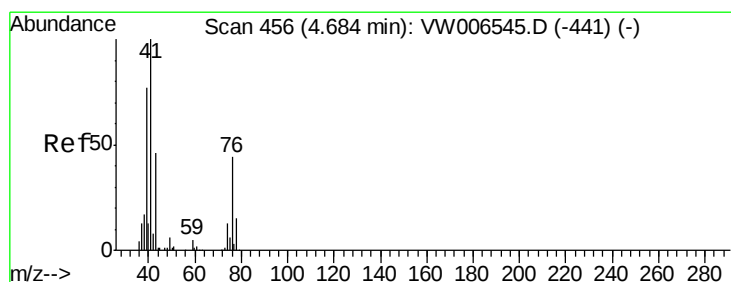
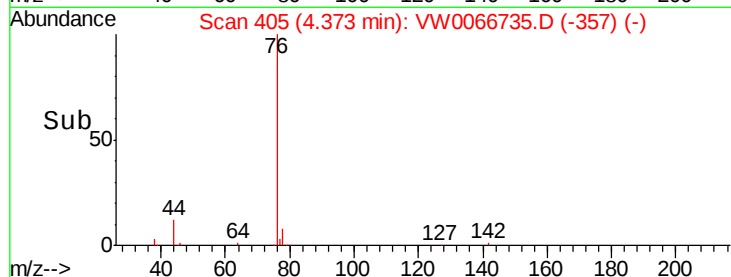
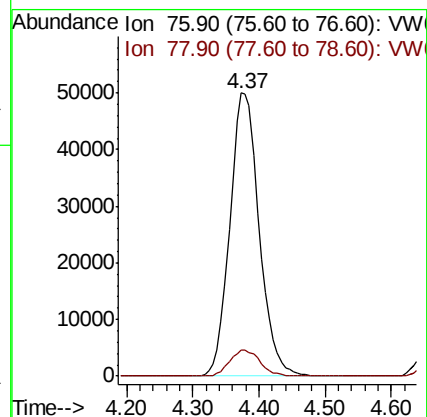
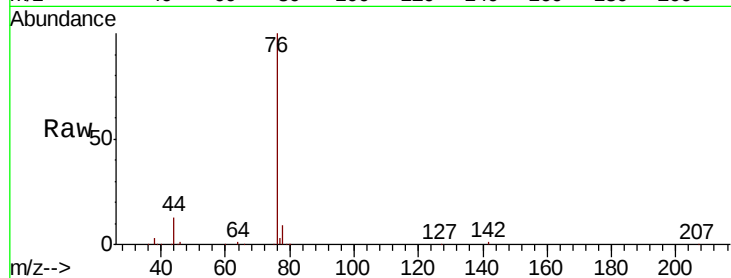
ClientSampled :

Tot Ion: 76 Resp: 153247

Ion Ratio Lower Upper

76 100

78 9.1 7.3 10.9



#18

Methyl Acetate

Concen: 18.737 ug/l

RT: 4.67 min Scan# 454

Delta R.T. -0.01 min

Lab File: VW0066735.D

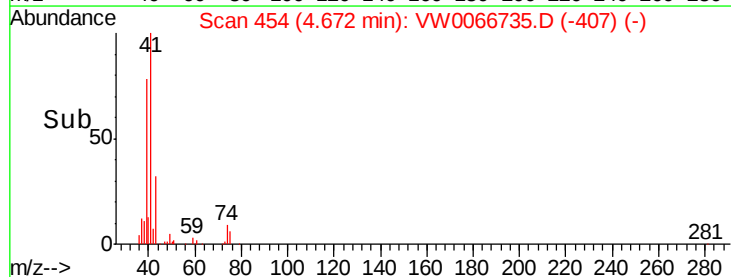
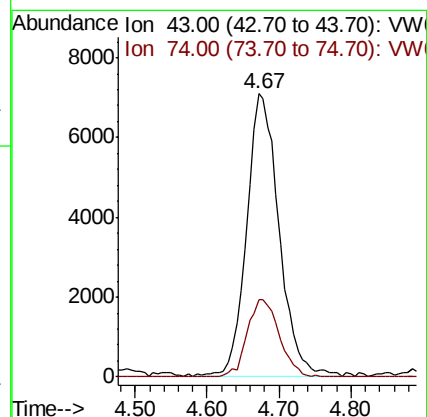
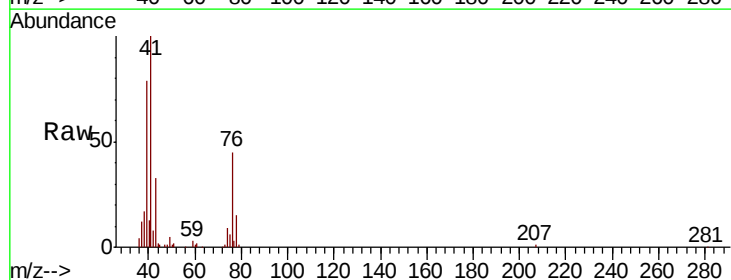
Acq: 07 Nov 2018 14:49

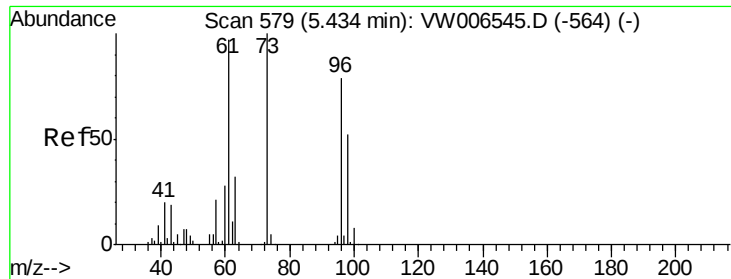
Tgt Ion: 43 Resp: 22289

Ion Ratio Lower Upper

43 100

74 27.0 21.9 32.9

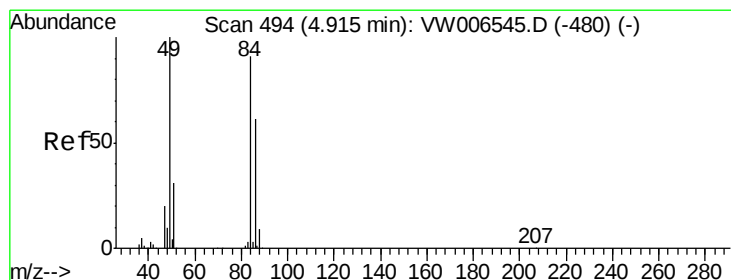
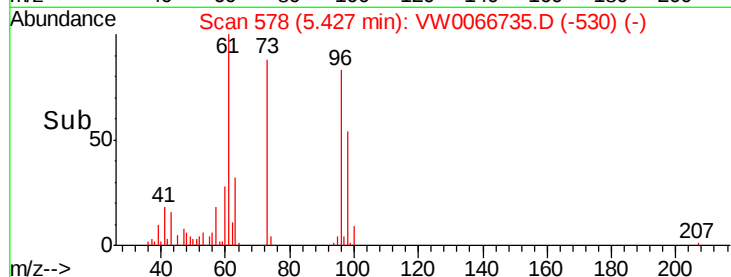
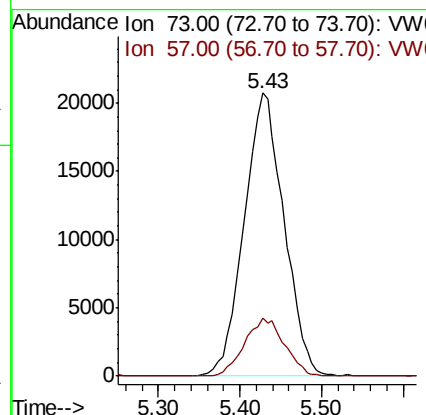
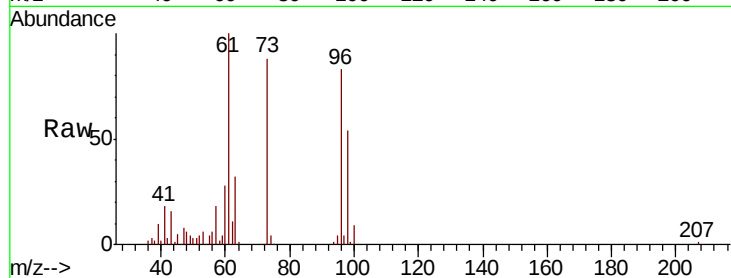




#19
Methyl tert-butyl Ether
Concen: 19.468 ug/l
RT: 5.43 min Scan# 578
Delta R.T. -0.01 min
Lab File: VW0066735.D
Acq: 07 Nov 2018 14:49

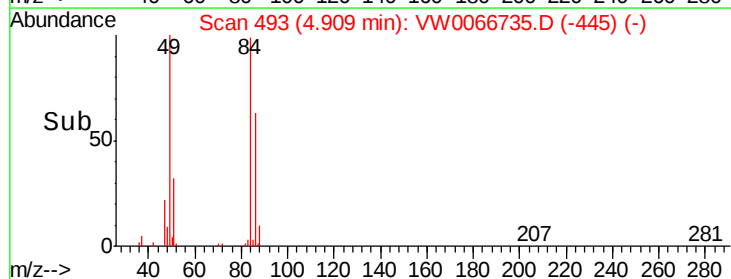
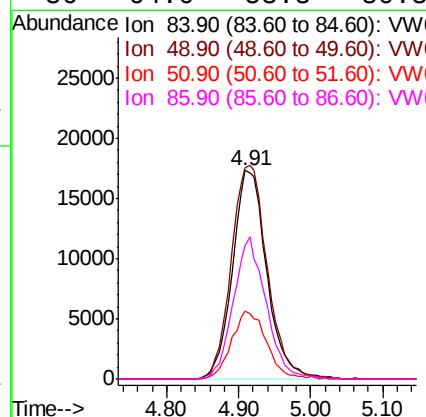
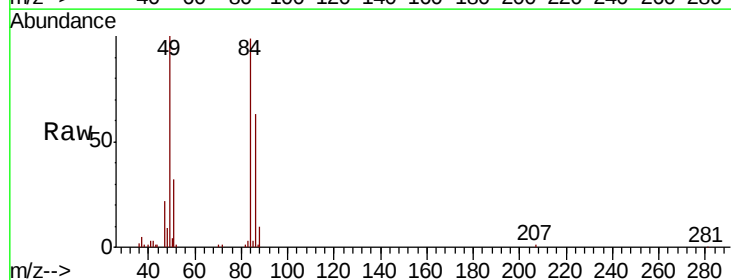
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 73 Resp: 70457
Ion Ratio Lower Upper
73 100
57 20.6 16.7 25.1



#20
Methylene Chloride
Concen: 17.551 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW0066735.D
Acq: 07 Nov 2018 14:49

Tgt Ion: 84 Resp: 57447
Ion Ratio Lower Upper
84 100
49 101.2 88.2 132.4
51 32.6 27.0 40.6
86 64.0 53.8 80.8





#21

trans-1,2-Dichloroethene

Concen: 21.321 ug/l

RT: 5.43 min Scan# 578

Delta R.T. 0.01 min

Lab File: VW0066735.D

Acq: 07 Nov 2018 14:49

Instrument :

MSVOA_W

ClientSampleId :

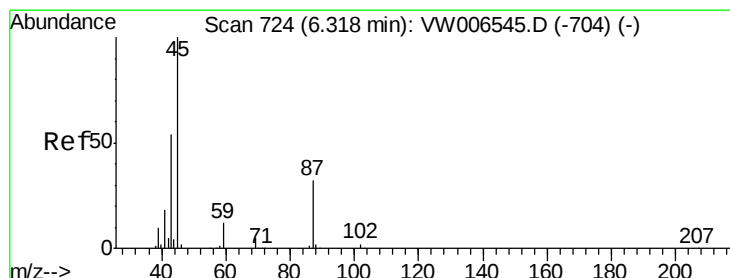
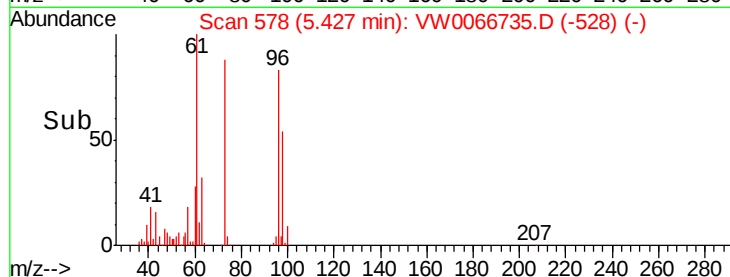
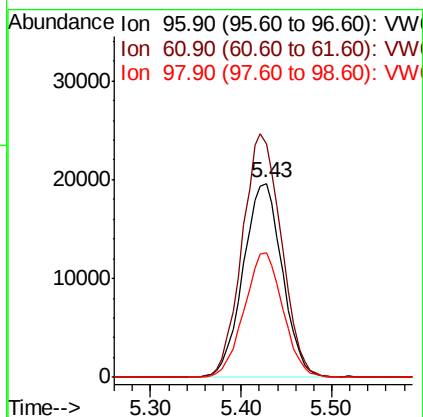
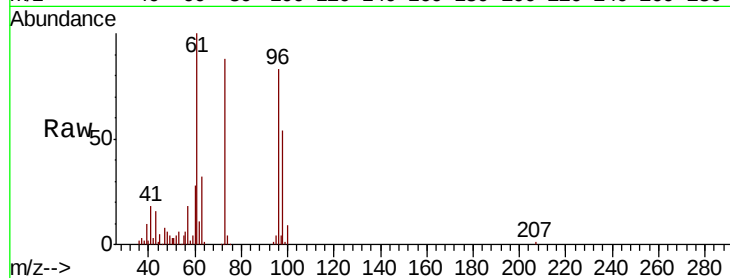
Tot Ion: 96 Resp: 58659

Ion Ratio Lower Upper

96 100

61 119.9 100.6 150.8

98 64.2 52.9 79.3



#22

Diisopropyl ether

Concen: 20.988 ug/l

RT: 6.32 min Scan# 724

Delta R.T. 0.00 min

Lab File: VW0066735.D

Acq: 07 Nov 2018 14:49

Tgt Ion: 45 Resp: 138866

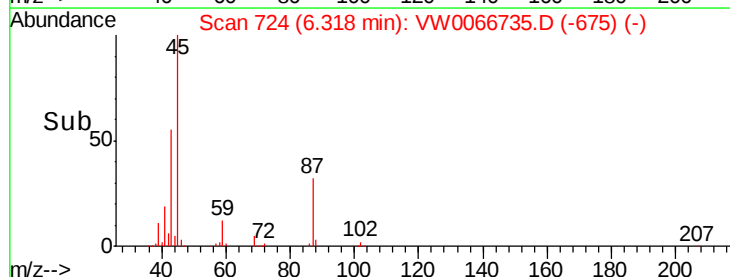
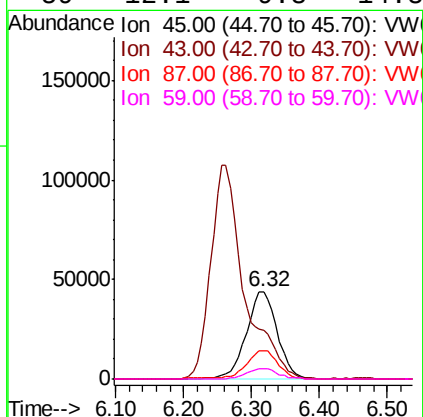
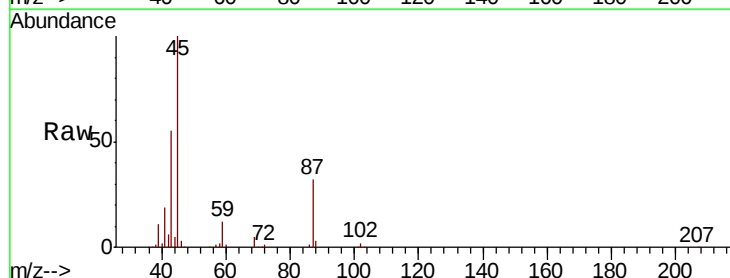
Ion Ratio Lower Upper

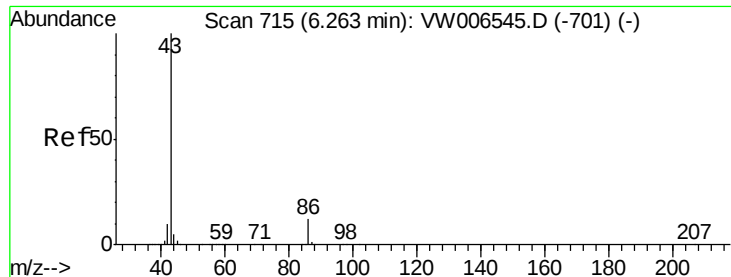
45 100

43 54.5 43.6 65.4

87 31.6 26.3 39.5

59 12.1 9.8 14.8





#23

Vinyl Acetate

Concen: 100.117 ug/l

RT: 6.26 min Scan# 714

Delta R.T. -0.01 min

Lab File: VW0066735.D

Acq: 07 Nov 2018 14:49

Instrument :

MSVOA_W

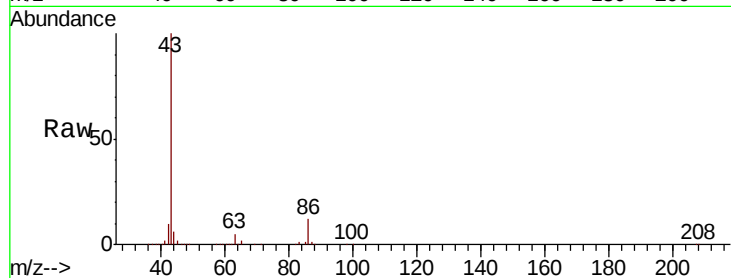
ClientSampleId :

Tot Ion: 43 Resp: 367346

Ion Ratio Lower Upper

43 100

86 11.8 9.8 14.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW

6.26

120000

100000

80000

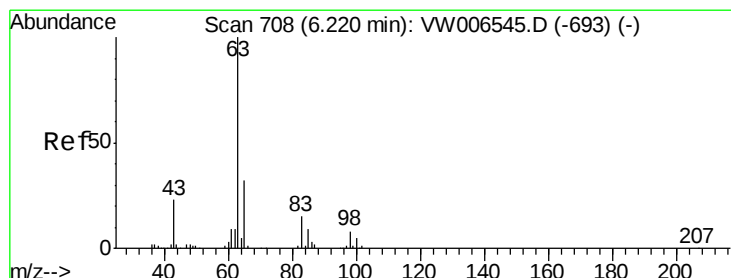
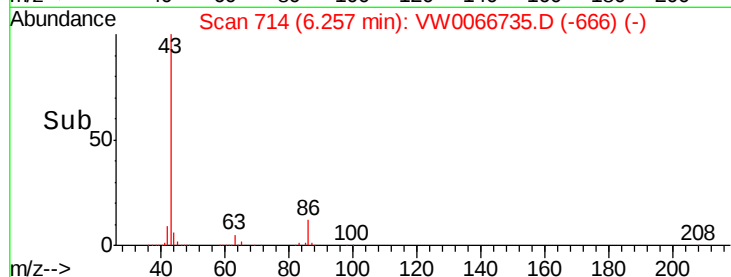
60000

40000

20000

0

Time--> 6.10 6.20 6.30 6.40



#24

1,1-Dichloroethane

Concen: 21.571 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.01 min

Lab File: VW0066735.D

Acq: 07 Nov 2018 14:49

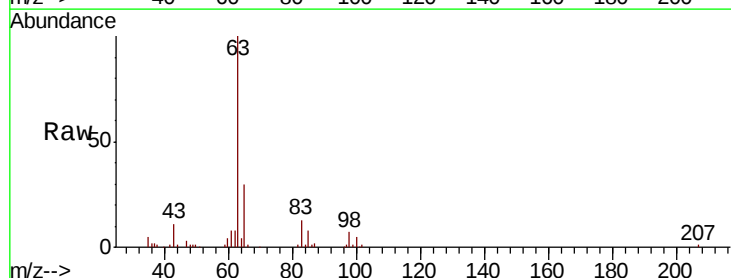
Tgt Ion: 63 Resp: 96729

Ion Ratio Lower Upper

63 100

98 6.8 3.8 11.4

100 4.5 2.4 7.2



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW

40000

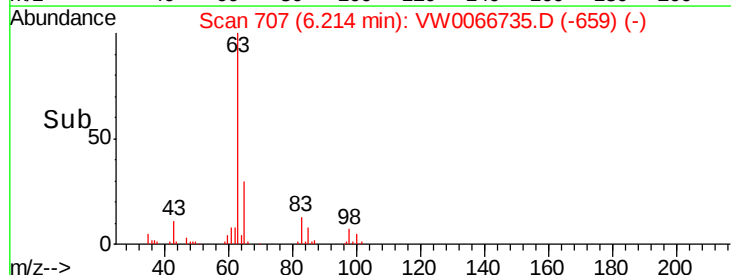
30000

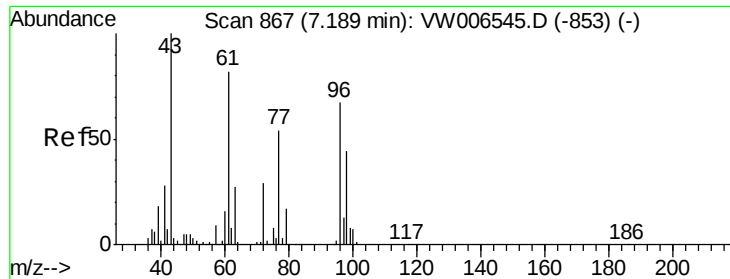
20000

10000

0

Time--> 6.10 6.20 6.30

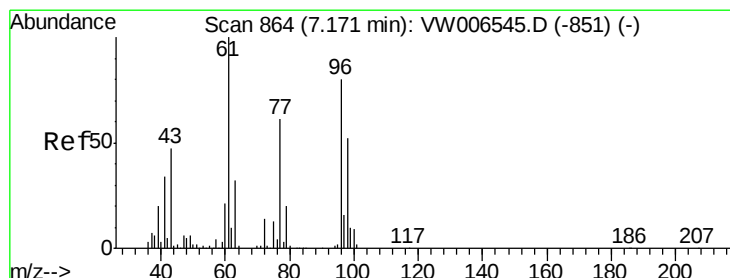
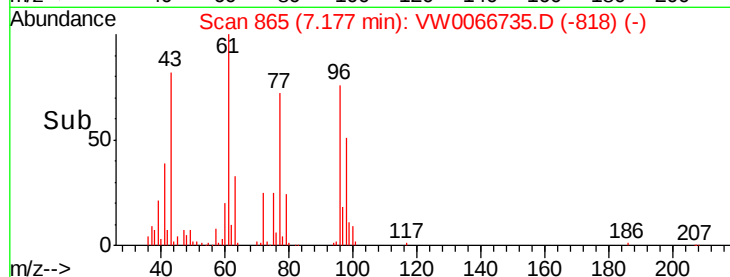
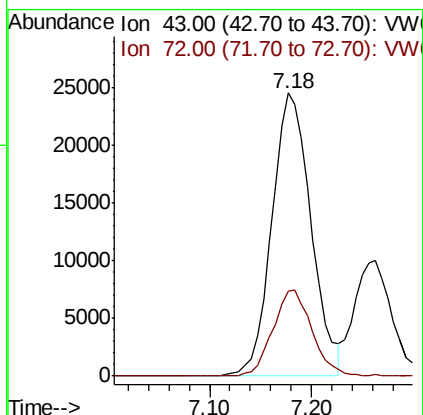
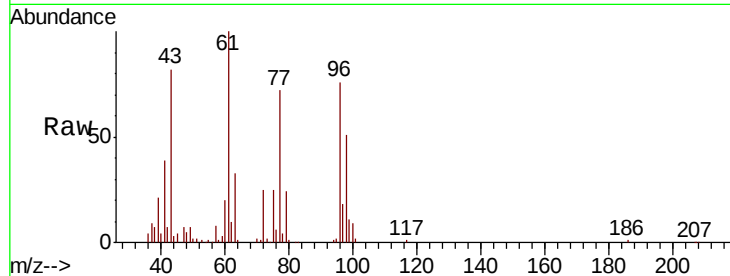




#25
2-Butanone
Concen: 110.393 ug/l
RT: 7.18 min Scan# 865
Delta R.T. -0.01 min
Lab File: VW0066735.D
Acq: 07 Nov 2018 14:49

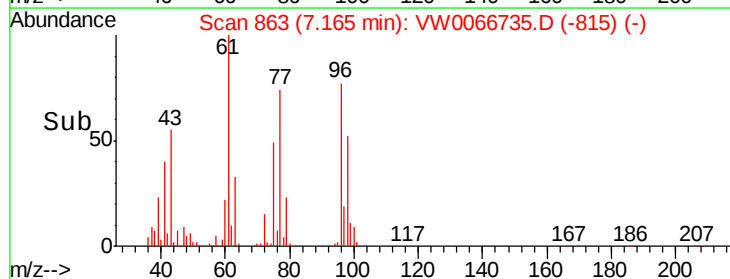
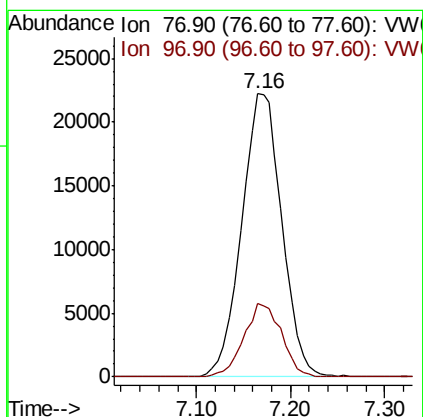
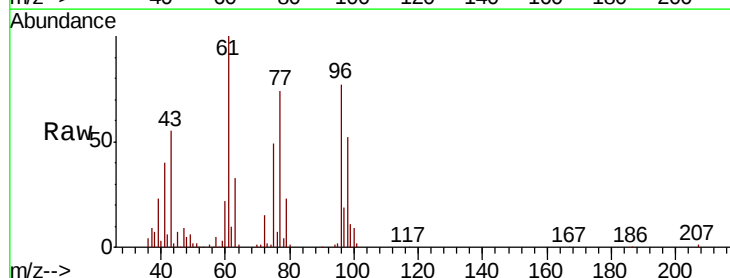
Instrument :
MSVOA_W
ClientSampled :

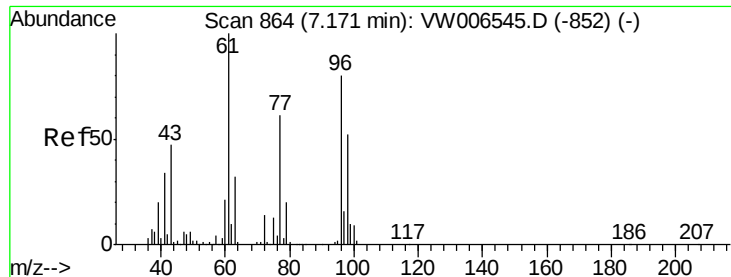
Tot Ion: 43 Resp: 65166
Ion Ratio Lower Upper
43 100
72 29.9 23.2 34.8



#26
2,2-Dichloropropane
Concen: 24.511 ug/l
RT: 7.16 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW0066735.D
Acq: 07 Nov 2018 14:49

Tgt Ion: 77 Resp: 66210
Ion Ratio Lower Upper
77 100
97 24.3 12.8 38.4



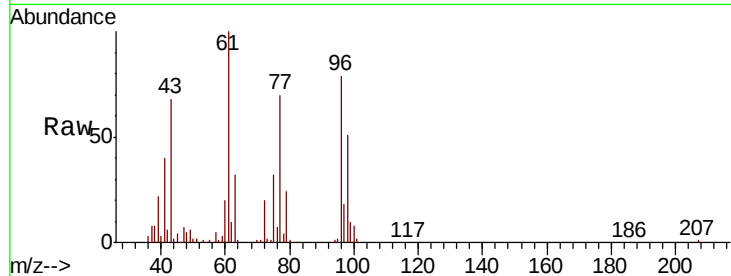


#27

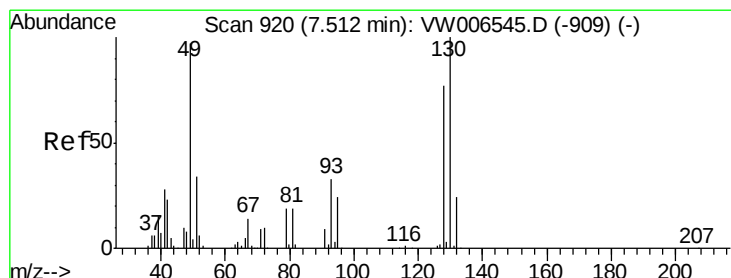
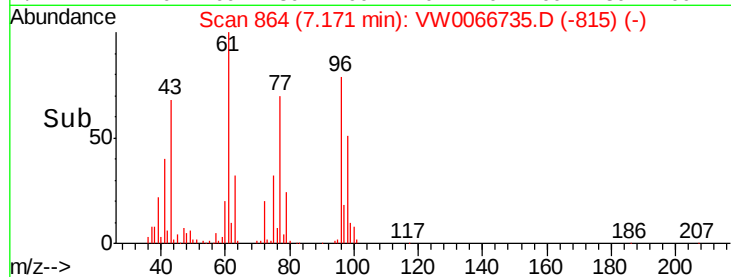
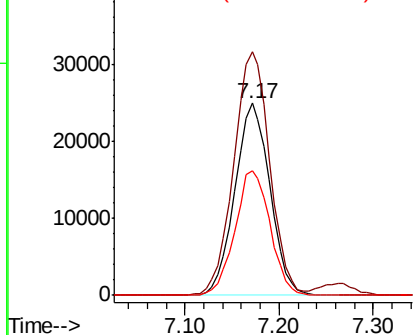
cis-1,2-Dichloroethene
 Concen: 21.077 ug/l
 RT: 7.17 min Scan# 864
 Delta R.T. 0.00 min
 Lab File: VW0066735.D
 Acq: 07 Nov 2018 14:49

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion: 96 Resp: 64877
 Ion Ratio Lower Upper
 96 100
 61 129.9 0.0 254.2
 98 65.0 0.0 129.6



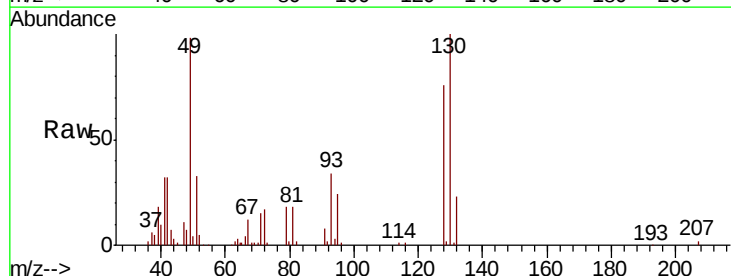
Abundance Ion 95.90 (95.60 to 96.60): VW
 Ion 60.90 (60.60 to 61.60): VW
 Ion 97.90 (97.60 to 98.60): VW



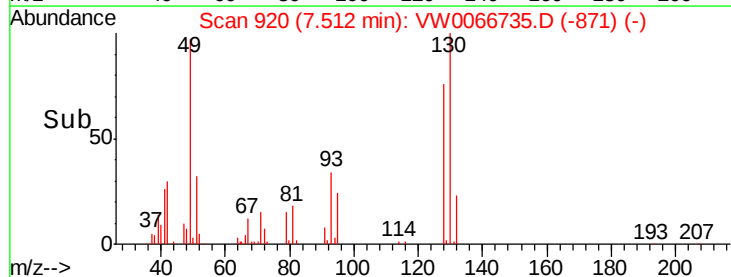
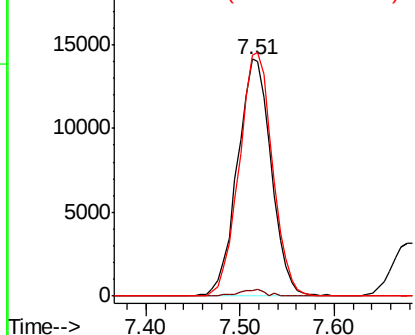
#28

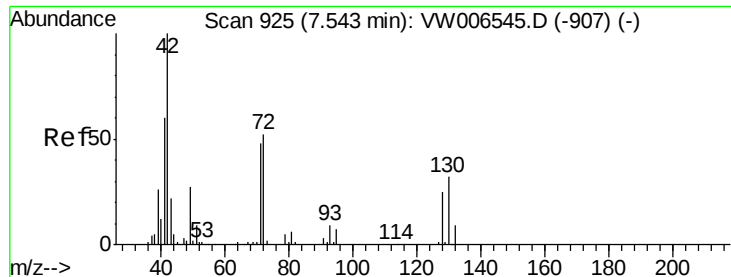
Bromochloromethane
 Concen: 19.923 ug/l
 RT: 7.51 min Scan# 920
 Delta R.T. 0.00 min
 Lab File: VW0066735.D
 Acq: 07 Nov 2018 14:49

Tgt Ion: 49 Resp: 35476
 Ion Ratio Lower Upper
 49 100
 129 2.2 0.0 5.6
 130 101.3 82.2 123.2



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

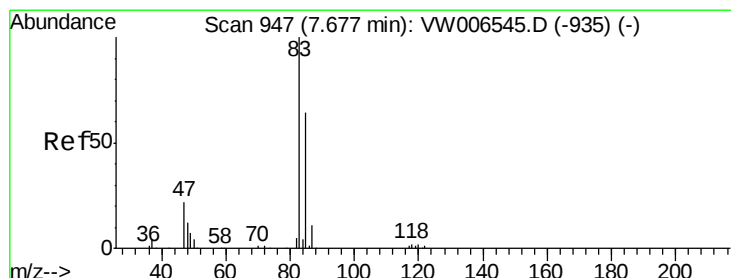
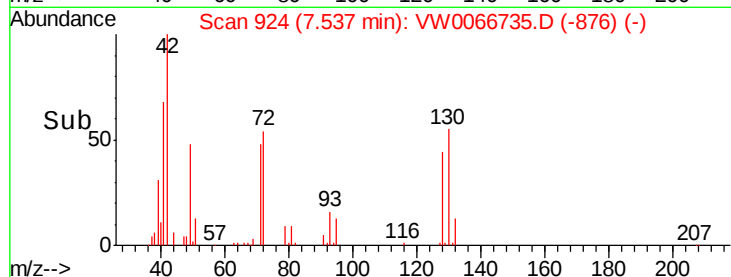
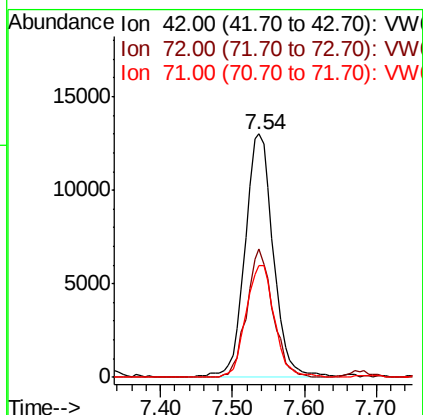
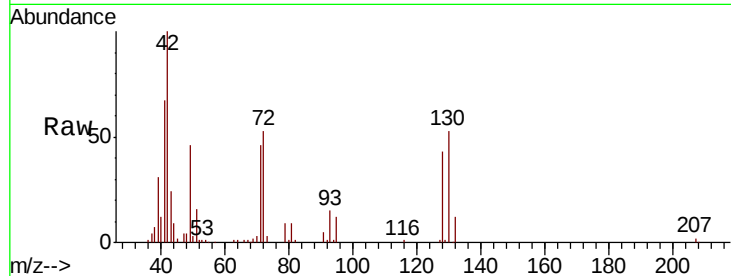




#29
Tetrahydrofuran
Concen: 95.248 ug/l
RT: 7.54 min Scan# 924
Delta R.T. -0.01 min
Lab File: VW0066735.D
Acq: 07 Nov 2018 14:49

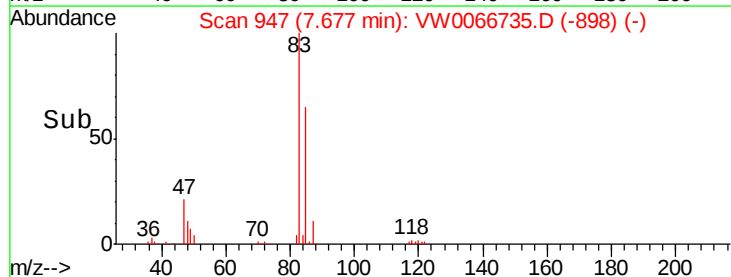
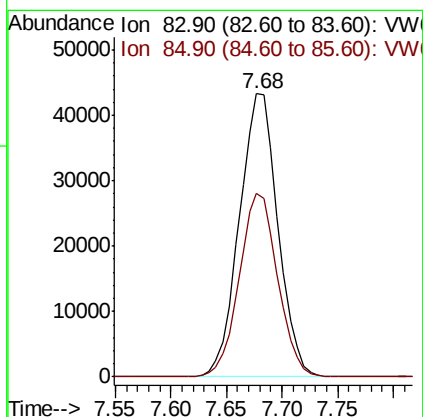
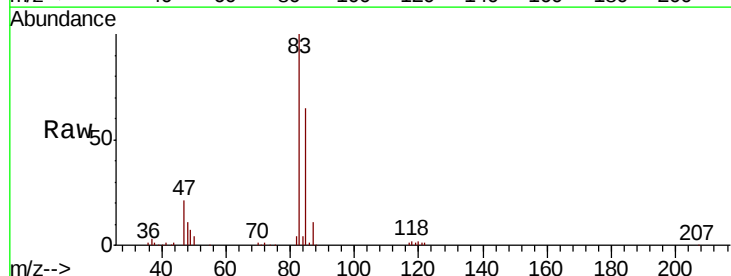
Instrument :
MSVOA_W
ClientSampled :

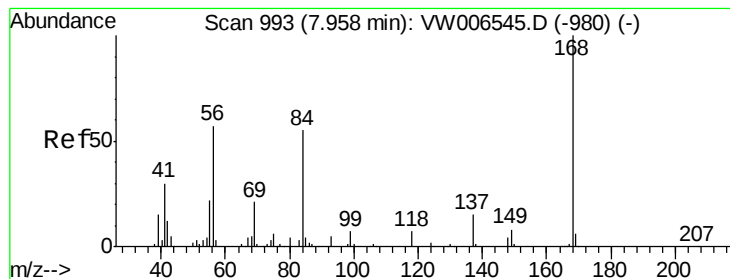
Tot Ion: 42 Resp: 35365
Ion Ratio Lower Upper
42 100
72 48.6 39.2 58.8
71 46.4 37.6 56.4



#30
Chloroform
Concen: 21.173 ug/l
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW0066735.D
Acq: 07 Nov 2018 14:49

Tgt Ion: 83 Resp: 104095
Ion Ratio Lower Upper
83 100
85 64.7 51.3 76.9





#31

Cyclohexane

Concen: 21.868 ug/l

RT: 7.96 min Scan# 993

Delta R.T. 0.00 min

Lab File: VW0066735.D

Acq: 07 Nov 2018 14:49

Instrument :

MSVOA_W

ClientSampleId :

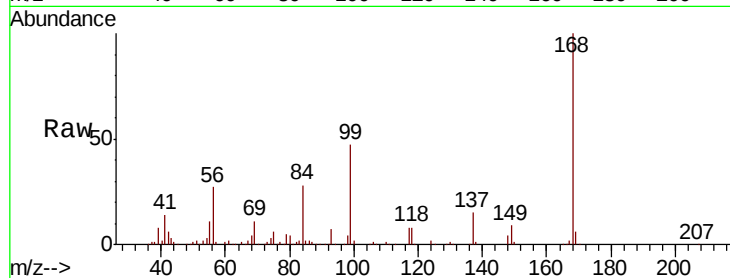
Tot Ion: 56 Resp: 89249

Ion Ratio Lower Upper

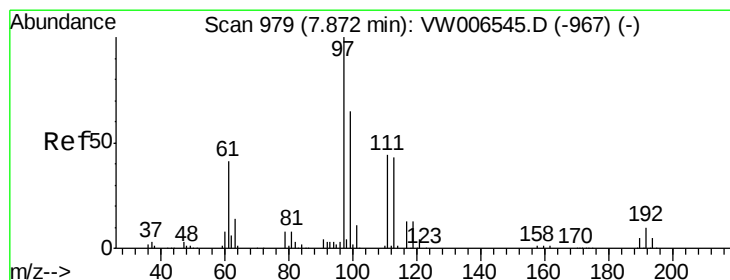
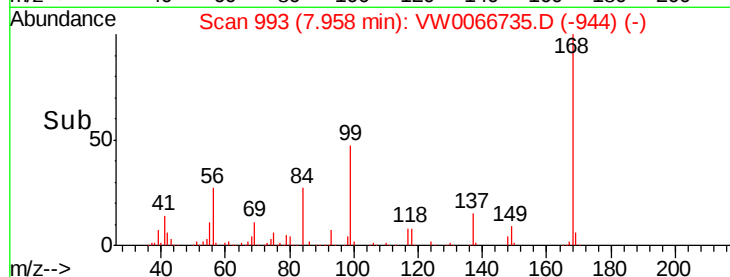
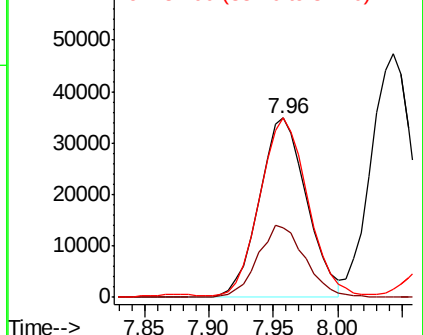
56 100

69 38.7 29.0 43.4

84 98.8 77.8 116.6



Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW



#32

1,1,1-Trichloroethane

Concen: 22.513 ug/l

RT: 7.88 min Scan# 980

Delta R.T. 0.01 min

Lab File: VW0066735.D

Acq: 07 Nov 2018 14:49

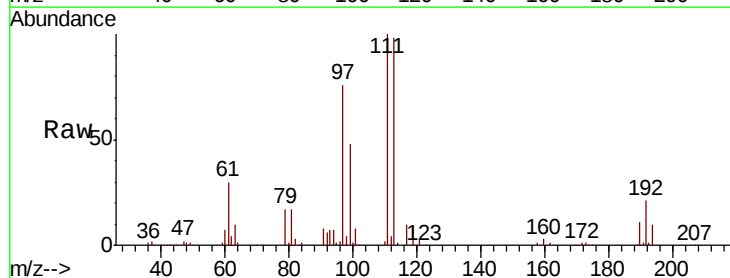
Tgt Ion: 97 Resp: 93659

Ion Ratio Lower Upper

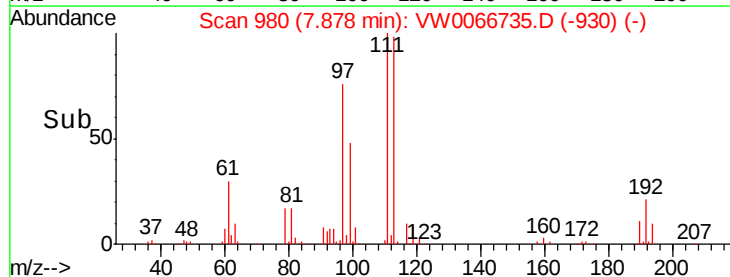
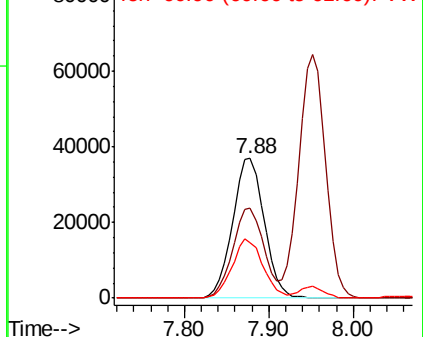
97 100

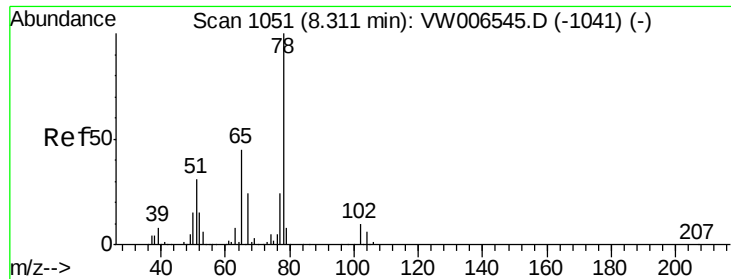
99 63.1 51.7 77.5

61 41.5 32.9 49.3



Abundance Ion 96.90 (96.60 to 97.60): VW
Ion 98.90 (98.60 to 99.60): VW
Ion 60.90 (60.60 to 61.60): VW





#33

1,2-Dichloroethane-d4

Concen: 47.053 ug/l

RT: 8.31 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VW0066735.D

Acq: 07 Nov 2018 14:49

Instrument :

MSVOA_W

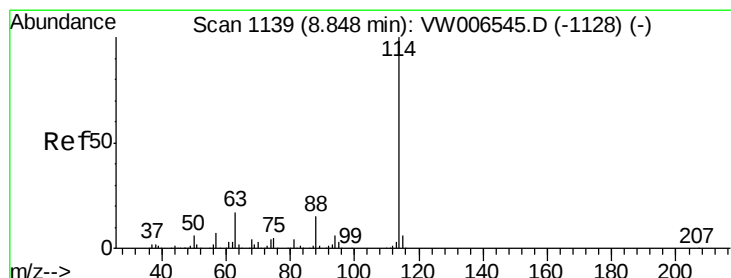
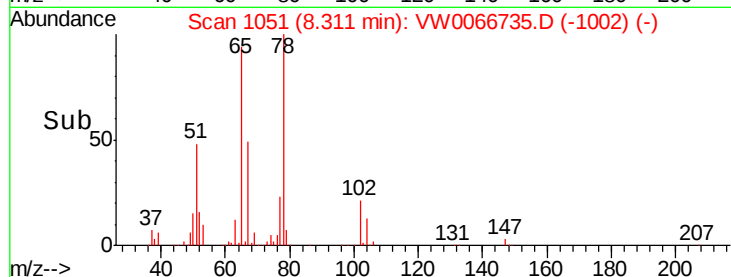
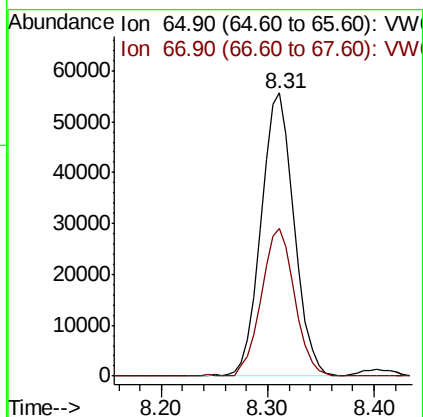
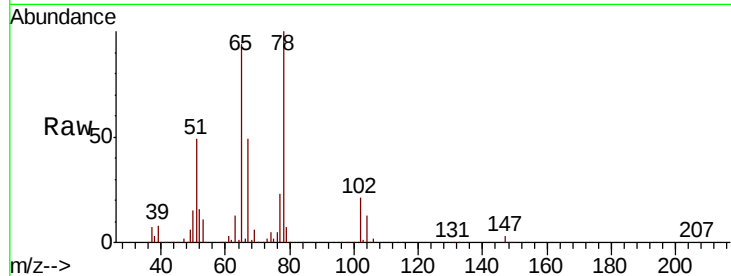
ClientSampleId :

Tot Ion: 65 Resp: 120565

Ion Ratio Lower Upper

65 100

67 52.5 0.0 104.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.85 min Scan# 1139

Delta R.T. 0.00 min

Lab File: VW0066735.D

Acq: 07 Nov 2018 14:49

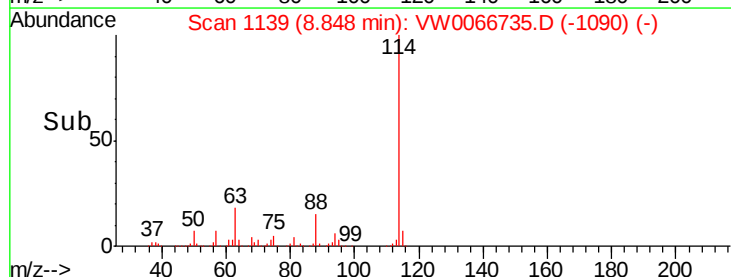
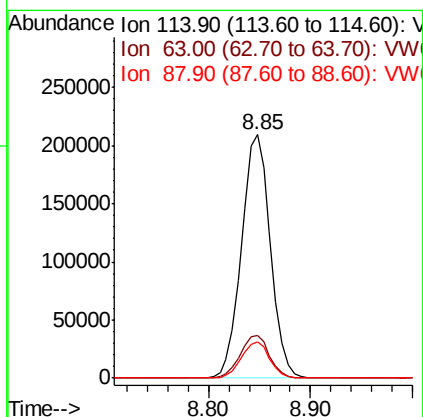
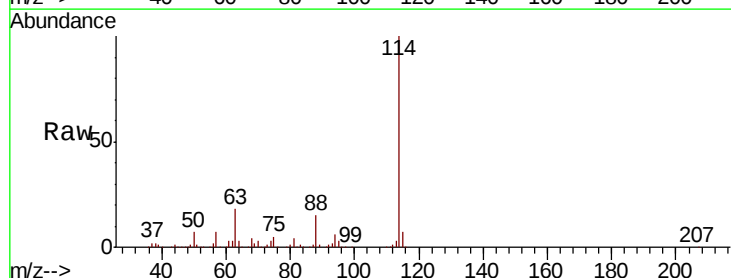
Tgt Ion: 114 Resp: 410580

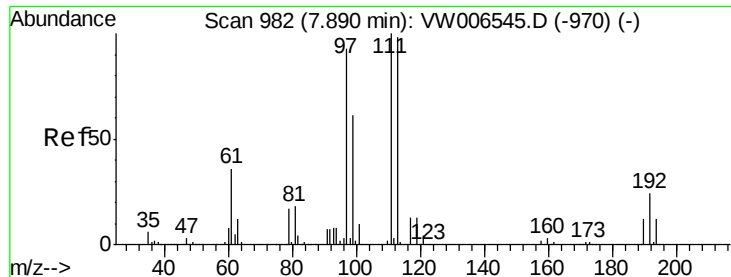
Ion Ratio Lower Upper

114 100

63 17.6 0.0 34.4

88 14.8 0.0 29.0

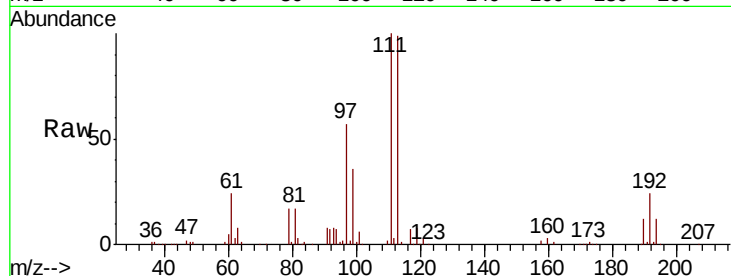




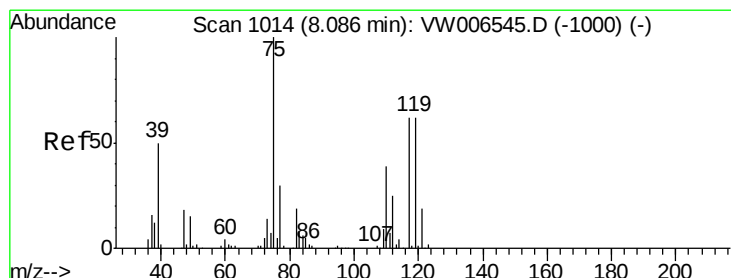
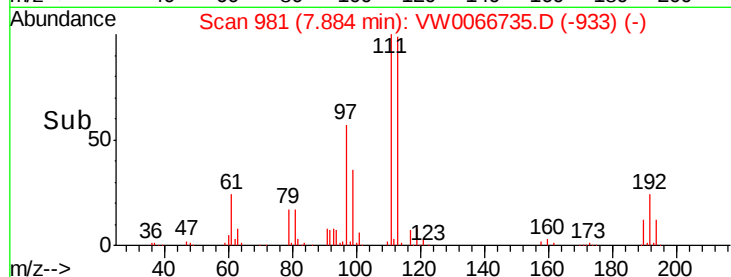
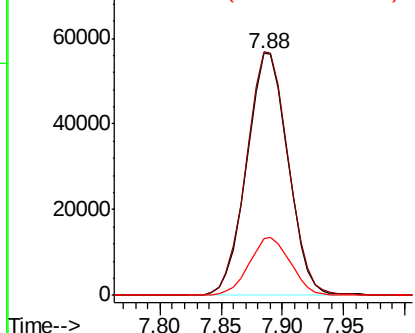
#35
 Dibromofluoromethane
 Concen: 51.494 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.01 min
 Lab File: VW0066735.D
 Acq: 07 Nov 2018 14:49

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.2	82.2	123.2
192	23.9	19.0	28.6

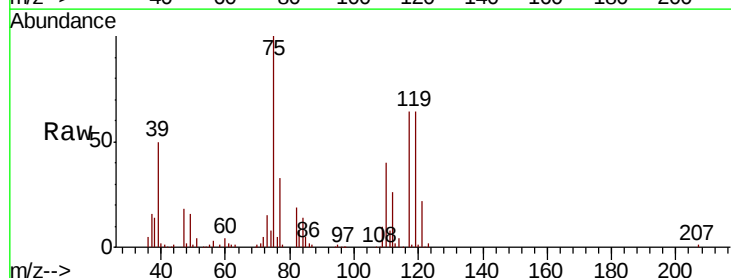


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

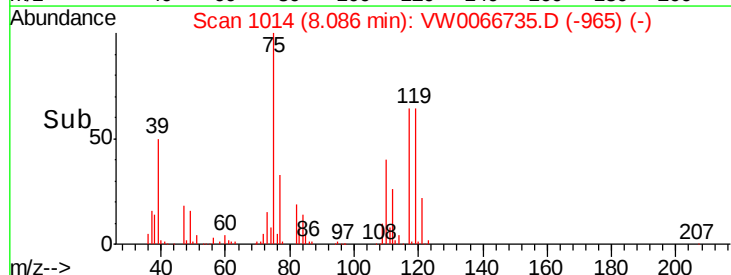
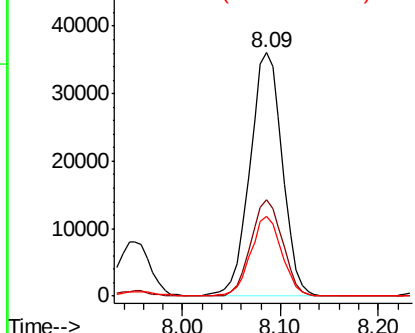


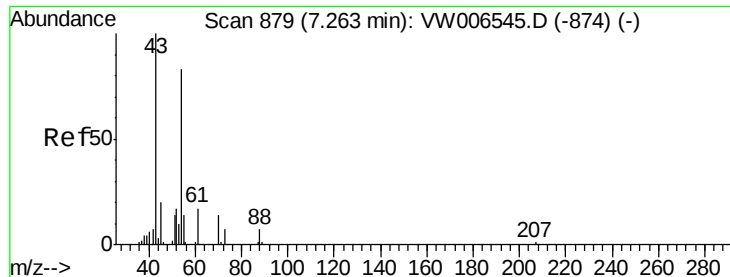
#36
 1,1-Dichloropropene
 Concen: 22.917 ug/l
 RT: 8.09 min Scan# 1014
 Delta R.T. 0.00 min
 Lab File: VW0066735.D
 Acq: 07 Nov 2018 14:49

Tgt Ion	Ratio	Lower	Upper
75	100		
110	38.9	19.5	58.5
77	31.7	24.6	37.0



Abundance Ion 74.90 (74.60 to 75.60): VW
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VW

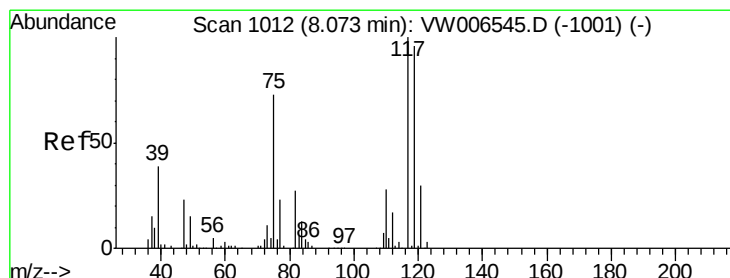
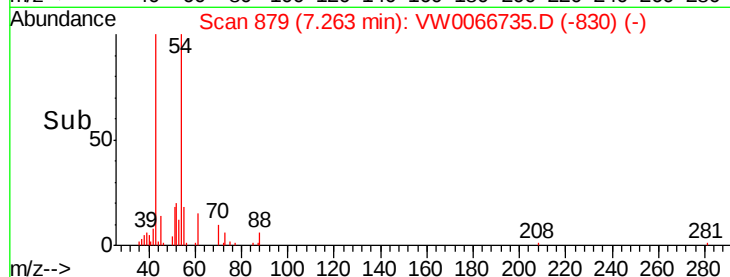
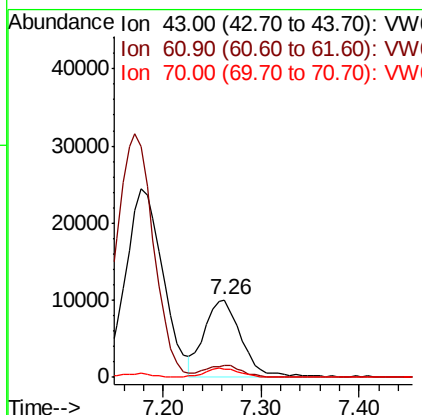
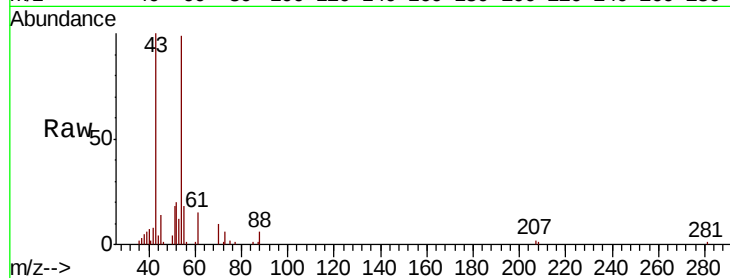




#37
Ethyl Acetate
Concen: 20.773 ug/l
RT: 7.26 min Scan# 879
Delta R.T. 0.00 min
Lab File: VW0066735.D
Acq: 07 Nov 2018 14:49

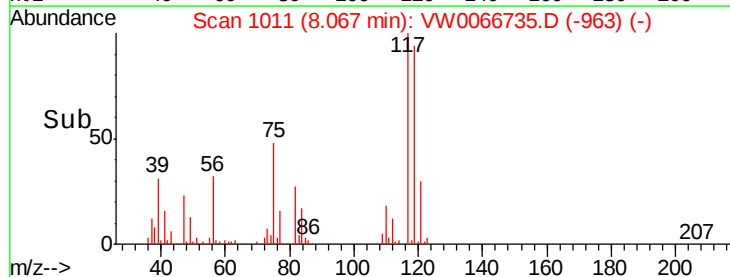
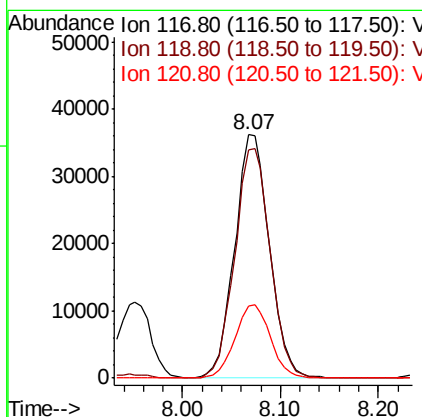
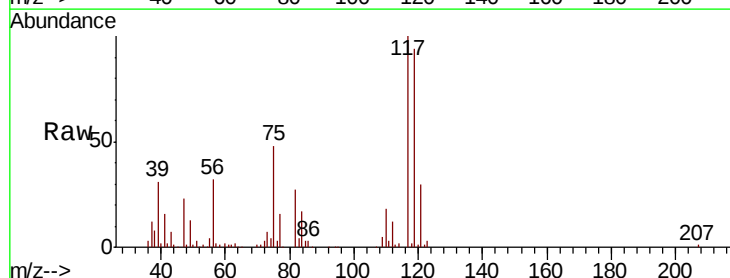
Instrument :
MSVOA_W
ClientSampled :

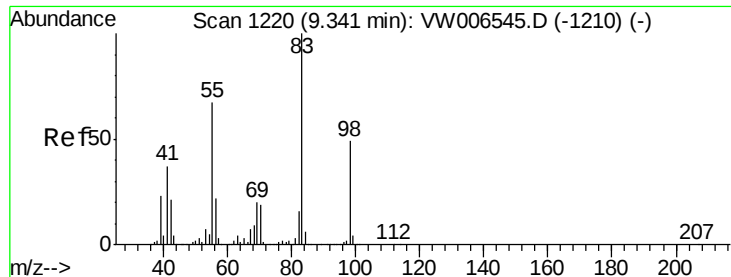
Tot Ion: 43 Resp: 25992
Ion Ratio Lower Upper
43 100
61 15.0 12.1 18.1
70 11.2 9.8 14.6



#38
Carbon Tetrachloride
Concen: 23.654 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.01 min
Lab File: VW0066735.D
Acq: 07 Nov 2018 14:49

Tgt Ion: 117 Resp: 89243
Ion Ratio Lower Upper
117 100
119 93.7 76.3 114.5
121 29.5 24.1 36.1

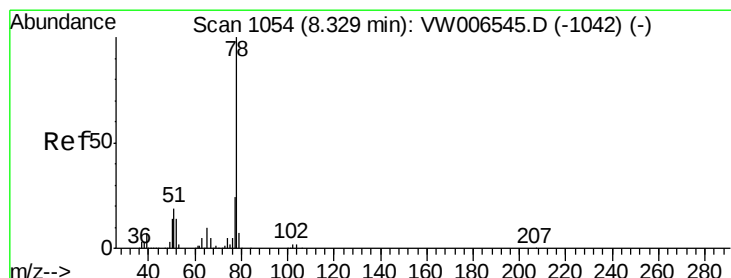
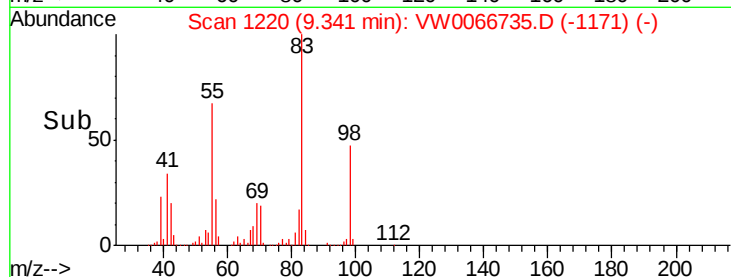
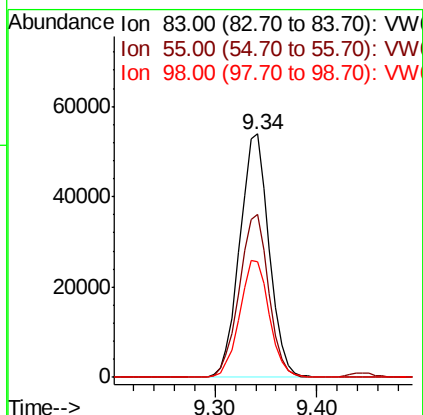
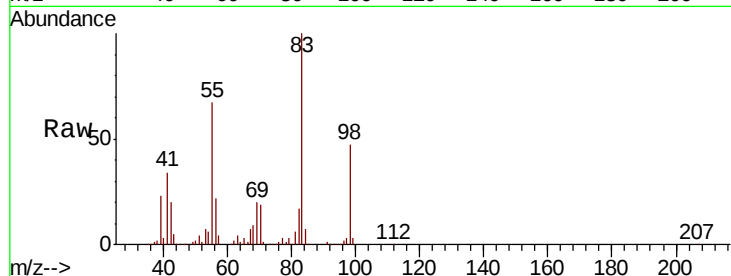




#39
Methylcyclohexane
Concen: 23.486 ug/l
RT: 9.34 min Scan# 1220
Delta R.T. 0.00 min
Lab File: VW0066735.D
Acq: 07 Nov 2018 14:49

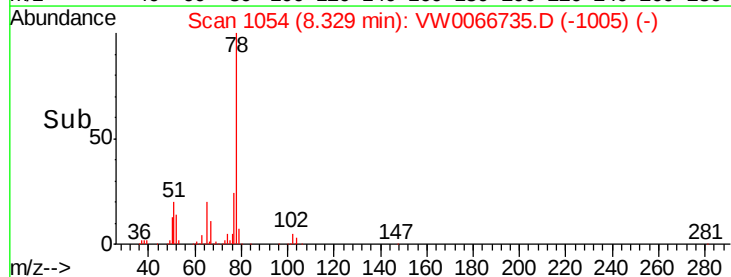
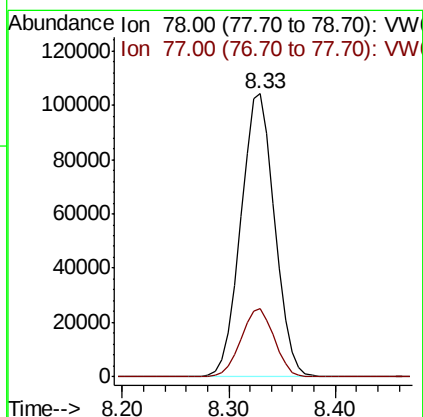
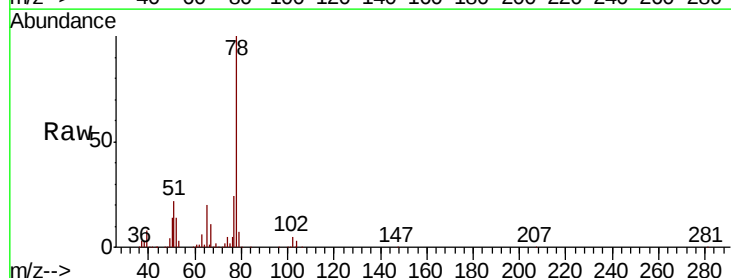
Instrument :
MSVOA_W
ClientSampleId :

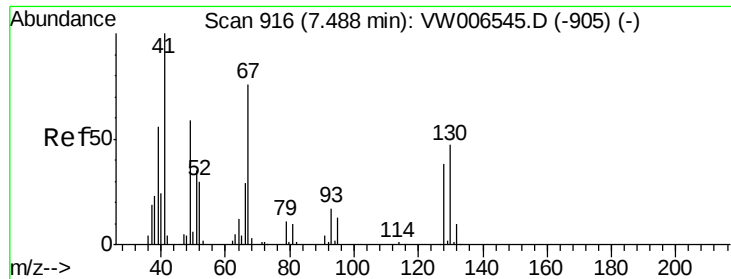
Tot Ion: 83 Resp: 107615
Ion Ratio Lower Upper
83 100
55 66.7 53.7 80.5
98 47.4 39.2 58.8



#40
Benzene
Concen: 22.701 ug/l
RT: 8.33 min Scan# 1054
Delta R.T. 0.00 min
Lab File: VW0066735.D
Acq: 07 Nov 2018 14:49

Tgt Ion: 78 Resp: 232808
Ion Ratio Lower Upper
78 100
77 24.2 19.2 28.8

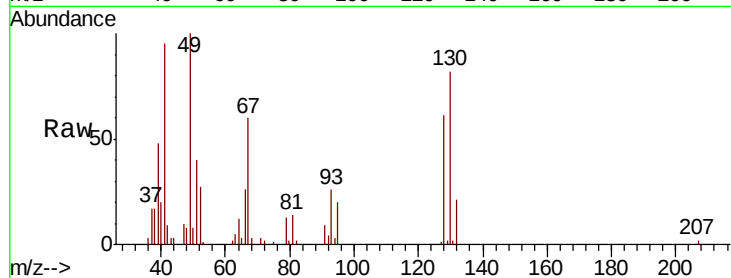




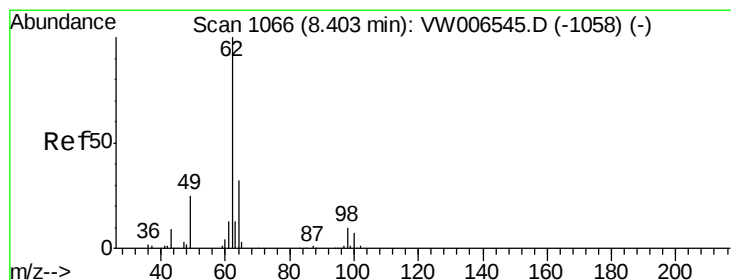
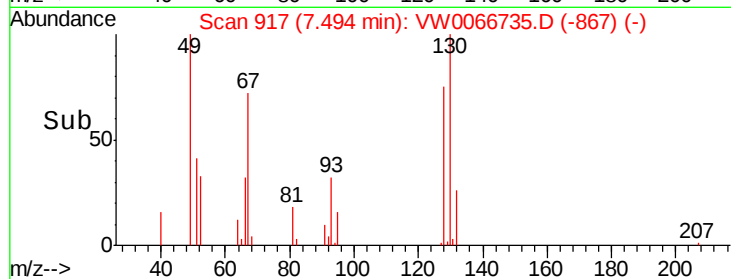
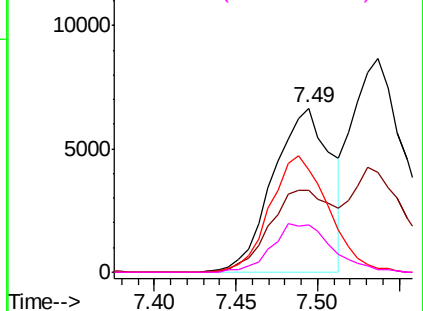
#41
Methacrylonitrile
Concen: 21.405 ug/l
RT: 7.49 min Scan# 917
Delta R.T. 0.01 min
Lab File: VW0066735.D
Acq: 07 Nov 2018 14:49

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:	41	Resp:	16423
Ion	Ratio	Lower	Upper
41	100		
39	55.1	44.5	66.7
67	71.5	63.8	95.8
52	30.7	26.3	39.5

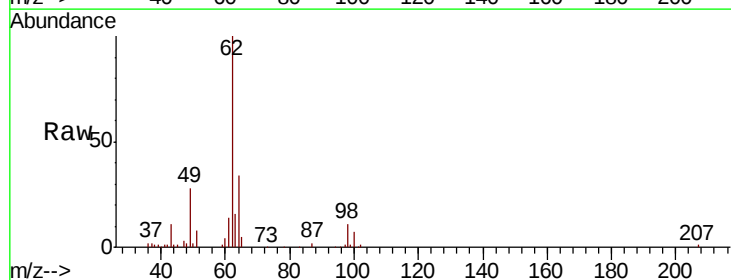


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

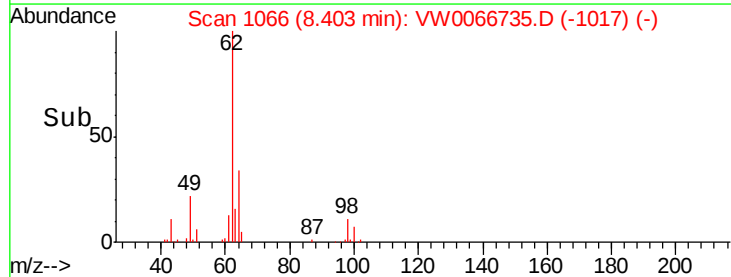
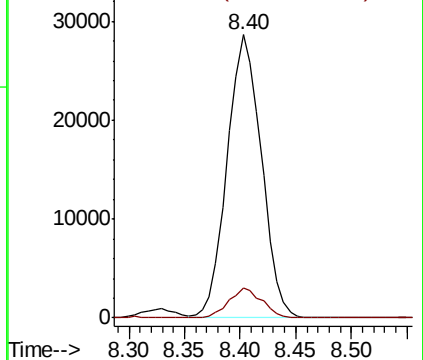


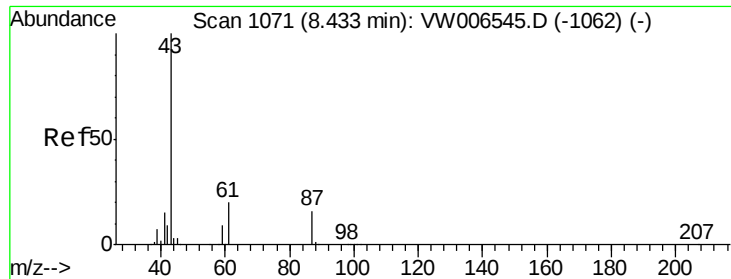
#42
1,2-Dichloroethane
Concen: 20.786 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW0066735.D
Acq: 07 Nov 2018 14:49

Tgt Ion:	62	Resp:	61136
Ion	Ratio	Lower	Upper
62	100		
98	10.2	0.0	19.8



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





#43

Isopropyl Acetate

Concen: 20.019 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.01 min

Lab File: VW0066735.D

Acq: 07 Nov 2018 14:49

Instrument :

MSVOA_W

ClientSampled :

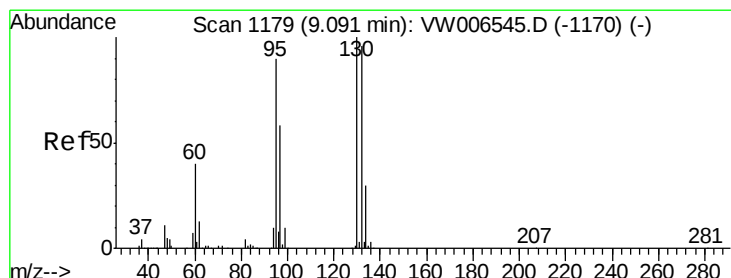
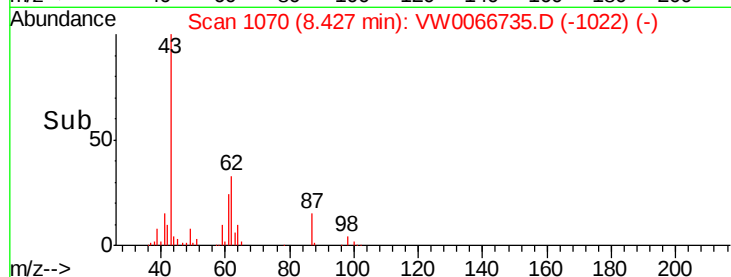
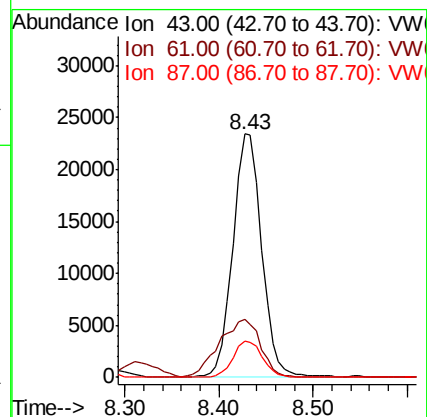
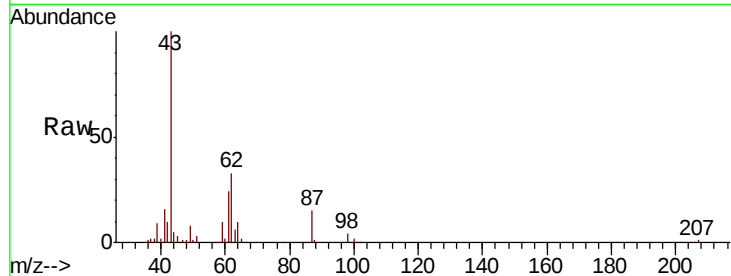
Tot Ion: 43 Resp: 49985

Ion Ratio Lower Upper

43 100

61 33.7 27.2 40.8

87 15.1 12.9 19.3



#44

Trichloroethene

Concen: 21.853 ug/l

RT: 9.10 min Scan# 1180

Delta R.T. 0.01 min

Lab File: VW0066735.D

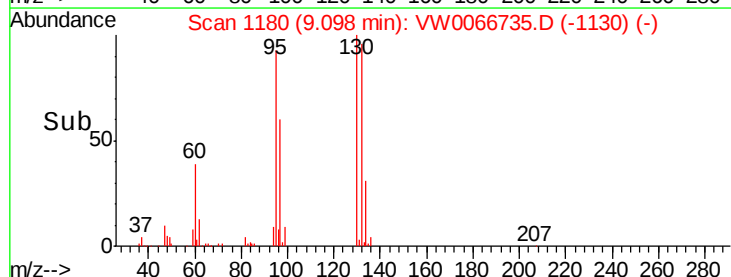
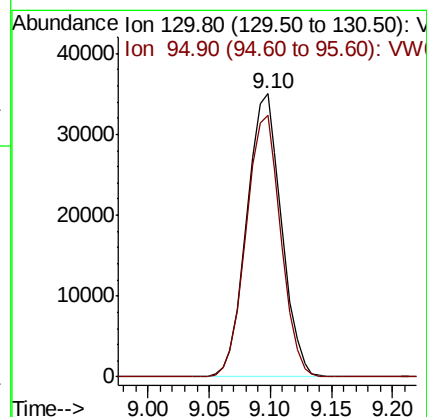
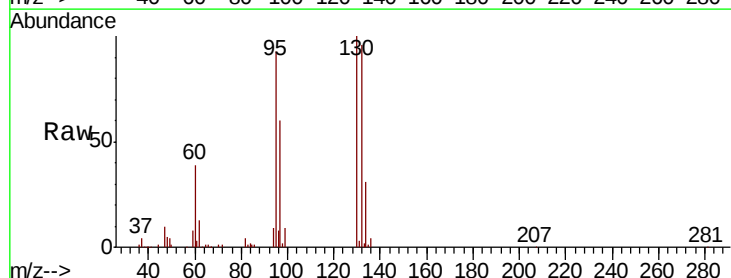
Acq: 07 Nov 2018 14:49

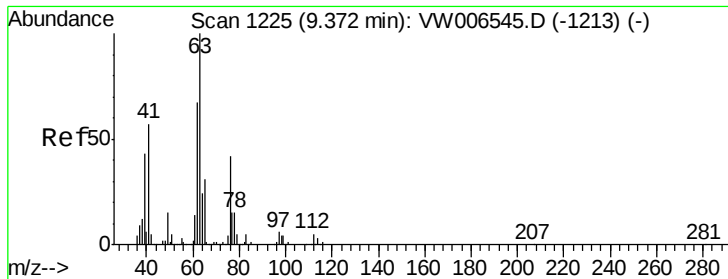
Tgt Ion: 130 Resp: 69160

Ion Ratio Lower Upper

130 100

95 92.6 0.0 179.2

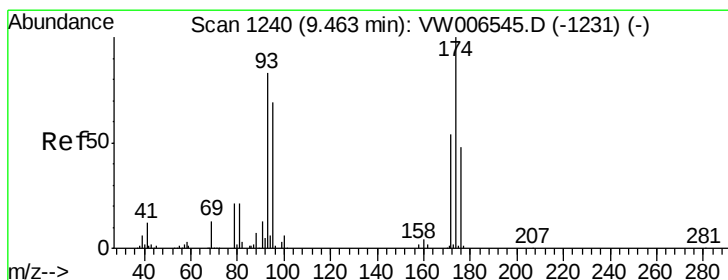
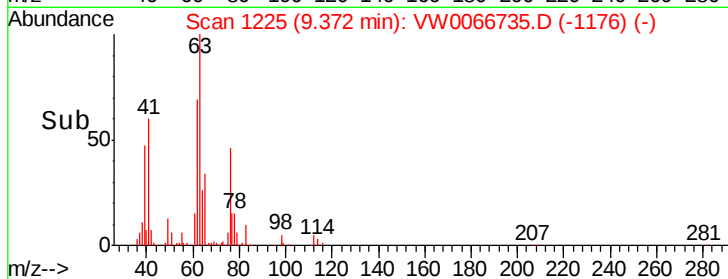
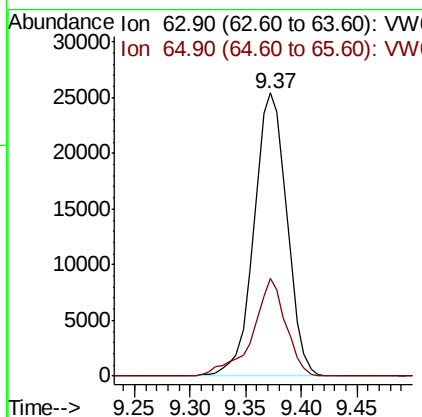
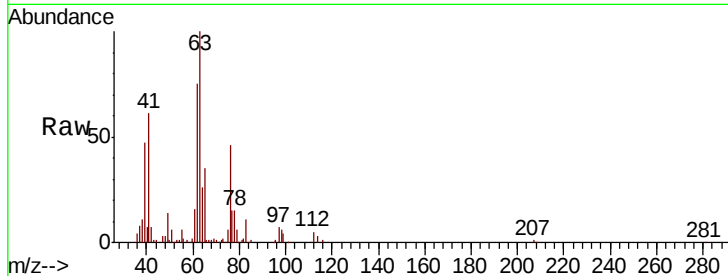




#45
 1,2-Dichloropropane
 Concen: 21.965 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.00 min
 Lab File: VW0066735.D
 Acq: 07 Nov 2018 14:49

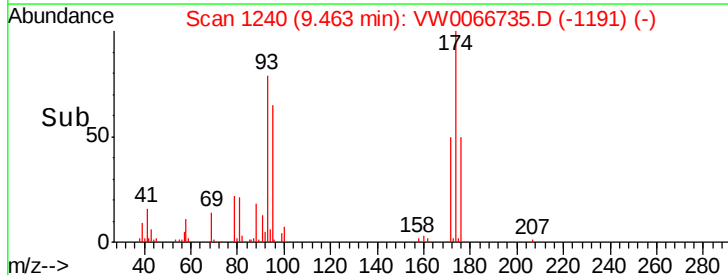
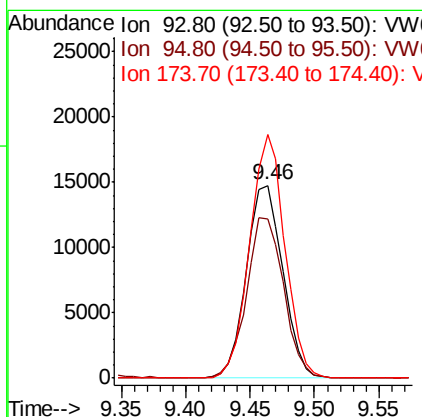
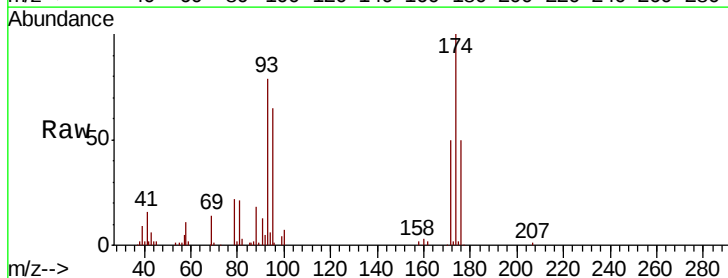
Instrument :
 MSVOA_W
 ClientSampled :

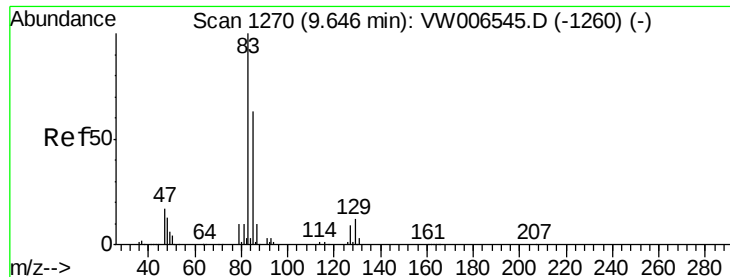
Tot Ion: 63 Resp: 52424
 Ion Ratio Lower Upper
 63 100
 65 34.7 25.1 37.7



#46
 Dibromomethane
 Concen: 20.595 ug/l
 RT: 9.46 min Scan# 1240
 Delta R.T. 0.00 min
 Lab File: VW0066735.D
 Acq: 07 Nov 2018 14:49

Tgt Ion: 93 Resp: 28895
 Ion Ratio Lower Upper
 93 100
 95 84.6 67.2 100.8
 174 121.2 97.3 145.9





#47

Bromodichloromethane

Concen: 21.734 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VW0066735.D

Acq: 07 Nov 2018 14:49

Instrument :

MSVOA_W

ClientSampleId :

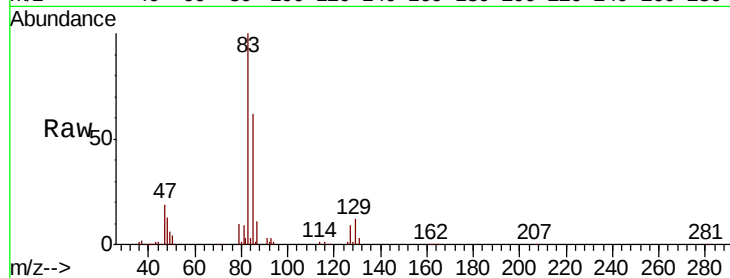
Tot Ion: 83 Resp: 70799

Ion Ratio Lower Upper

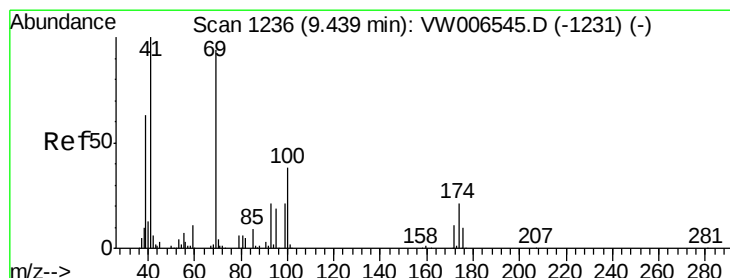
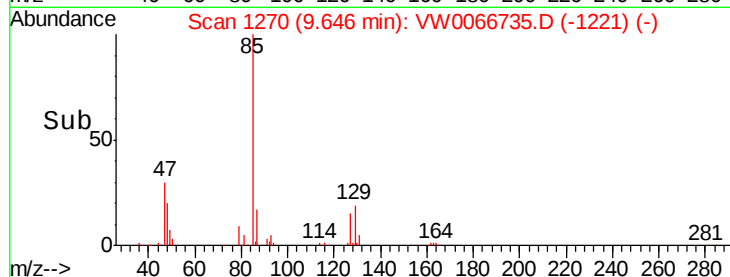
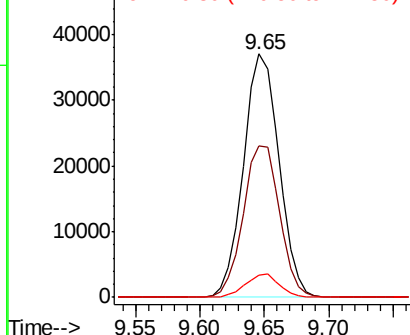
83 100

85 62.3 50.6 75.8

127 9.3 7.5 11.3



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: 19.336 ug/l

RT: 9.44 min Scan# 1236

Delta R.T. 0.00 min

Lab File: VW0066735.D

Acq: 07 Nov 2018 14:49

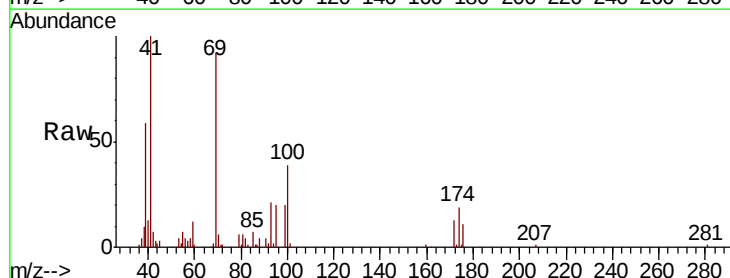
Tgt Ion: 41 Resp: 23261

Ion Ratio Lower Upper

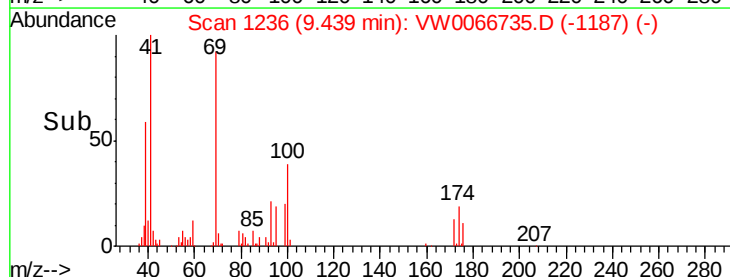
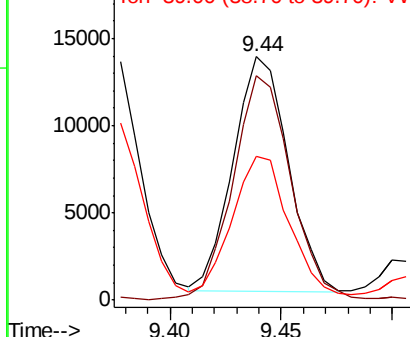
41 100

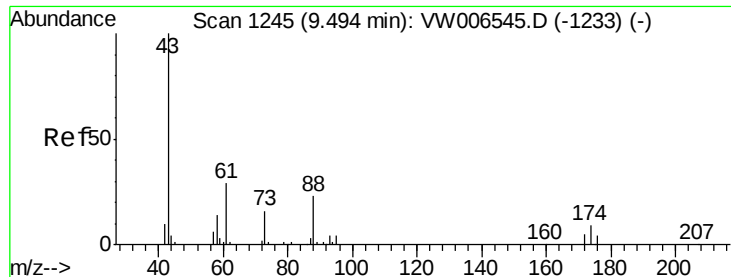
69 101.2 77.8 116.8

39 60.1 48.7 73.1



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: 415.004 ug/l

RT: 9.47 min Scan# 1241

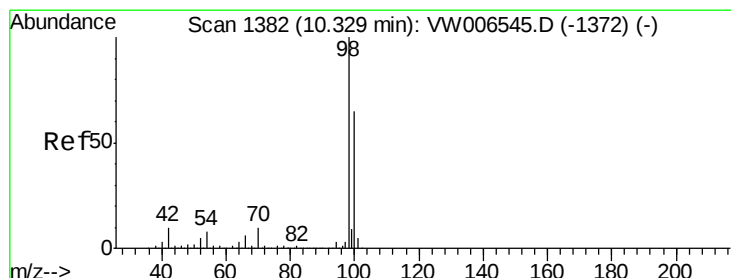
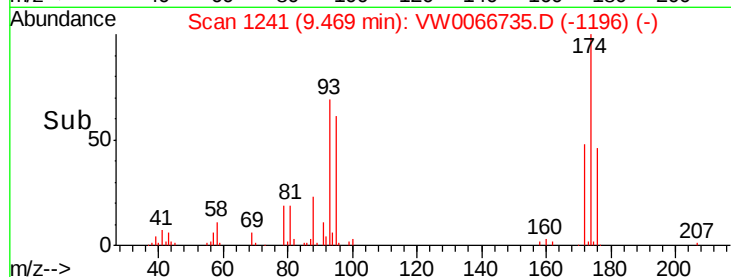
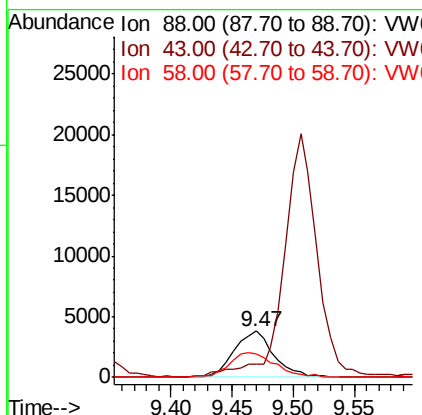
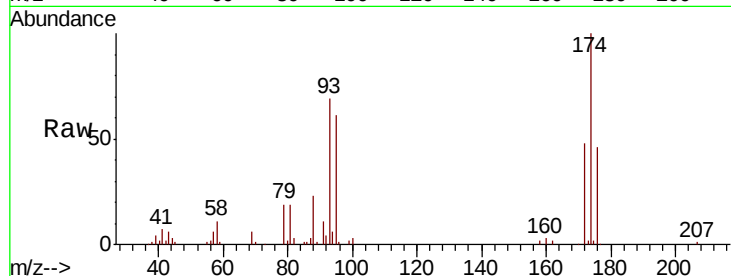
Delta R.T. -0.02 min

Lab File: VW0066735.D

Acq: 07 Nov 2018 14:49

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 88 Resp: 8521
Ion Ratio Lower Upper
88 100
43 0.0 356.6 534.8#
58 62.8 51.4 77.2



#50

Toluene-d8

Concen: 51.042 ug/l

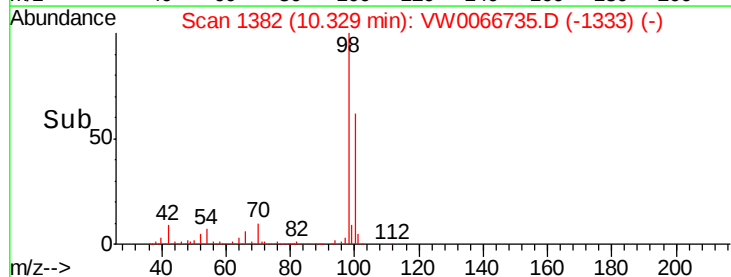
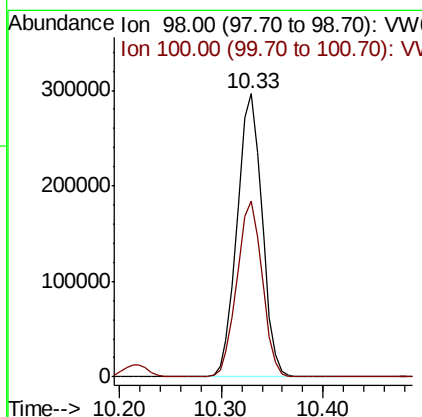
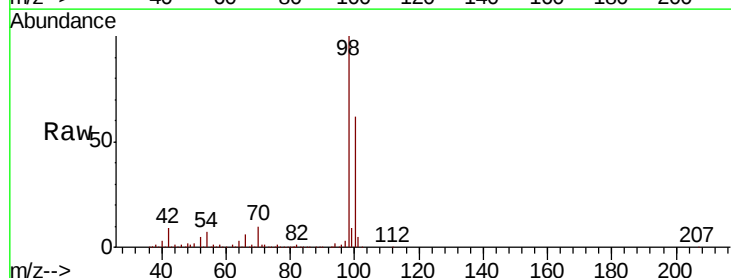
RT: 10.33 min Scan# 1382

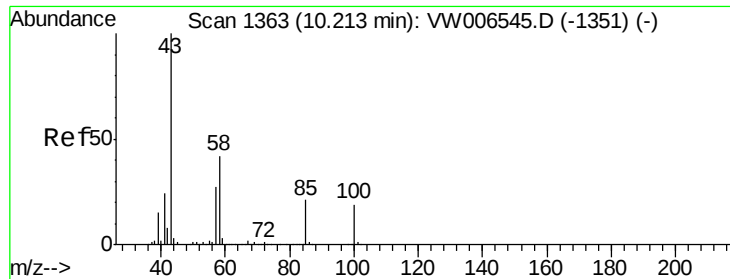
Delta R.T. 0.00 min

Lab File: VW0066735.D

Acq: 07 Nov 2018 14:49

Tgt Ion: 98 Resp: 500676
Ion Ratio Lower Upper
98 100
100 63.0 51.6 77.4





#51

4-Methyl-2-Pentanone

Concen: 99.022 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW0066735.D

Acq: 07 Nov 2018 14:49

Instrument :

MSVOA_W

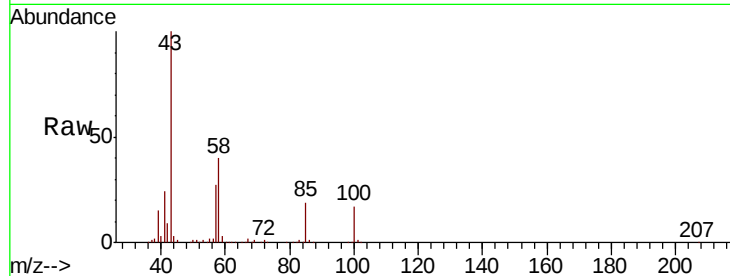
ClientSampleId :

Tot Ion: 43 Resp: 126980

Ion Ratio Lower Upper

43 100

58 40.7 33.4 50.0

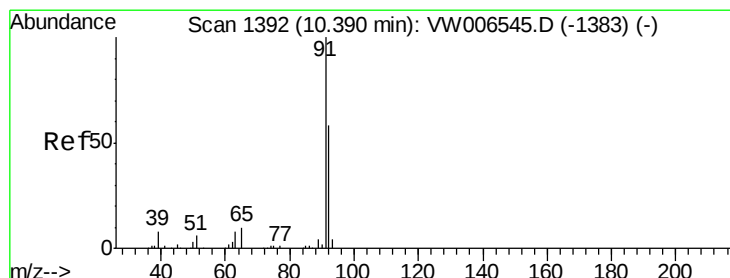
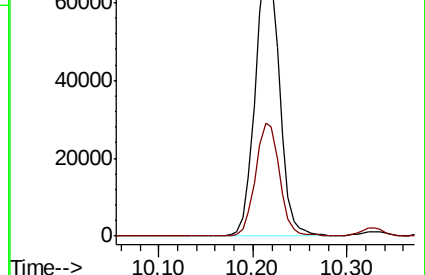
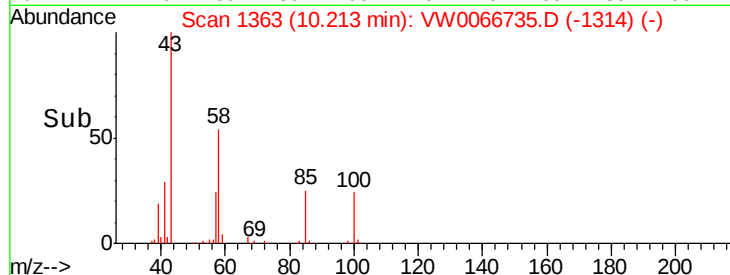


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

10.21

Time-->



#52

Toluene

Concen: 21.878 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW0066735.D

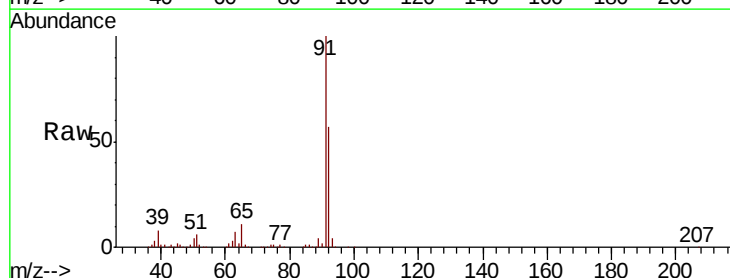
Acq: 07 Nov 2018 14:49

Tgt Ion: 92 Resp: 150493

Ion Ratio Lower Upper

92 100

91 174.7 138.6 208.0

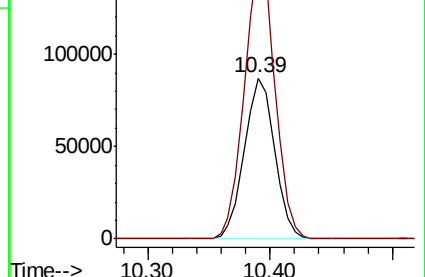
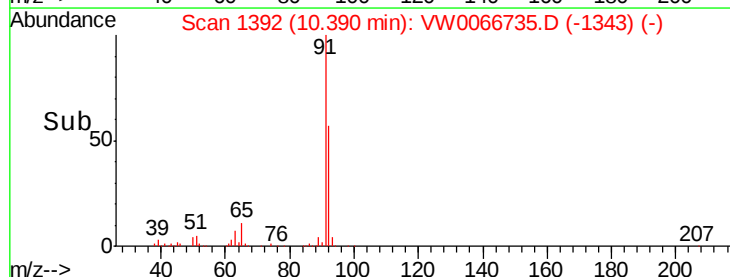


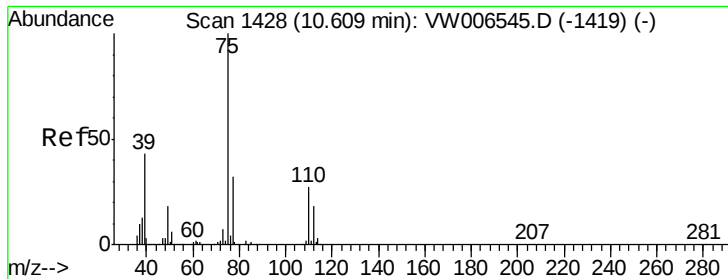
Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW

10.39

Time-->





#53

t-1,3-Dichloropropene

Concen: 21.341 ug/l

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW0066735.D

Acq: 07 Nov 2018 14:49

Instrument :

MSVOA_W

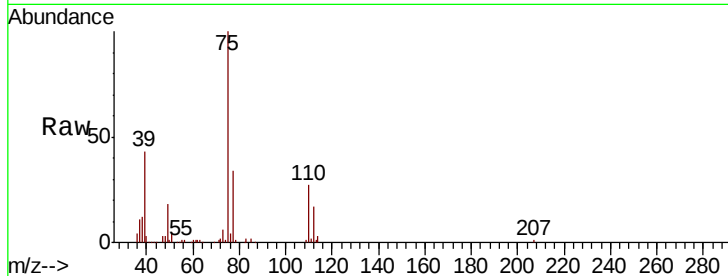
ClientSampleId :

Tot Ion: 75 Resp: 66907

Ion Ratio Lower Upper

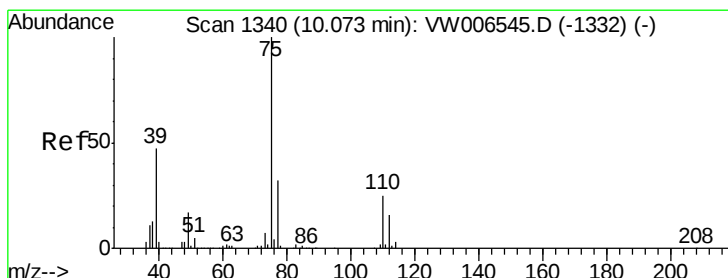
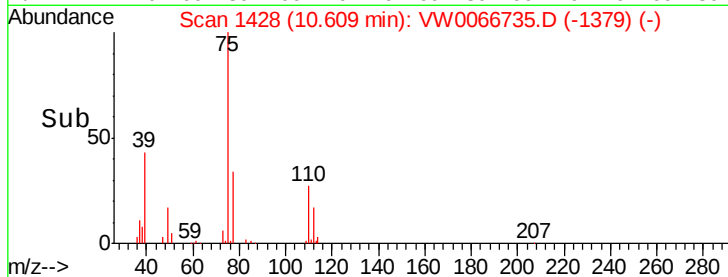
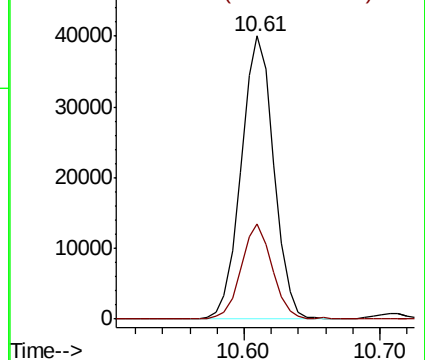
75 100

77 33.7 25.6 38.4



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW



#54

cis-1,3-Dichloropropene

Concen: 21.286 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW0066735.D

Acq: 07 Nov 2018 14:49

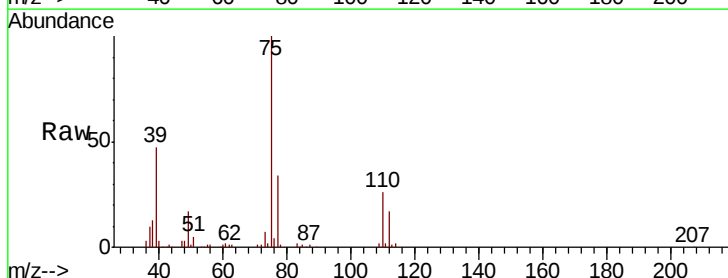
Tgt Ion: 75 Resp: 78862

Ion Ratio Lower Upper

75 100

77 33.8 25.7 38.5

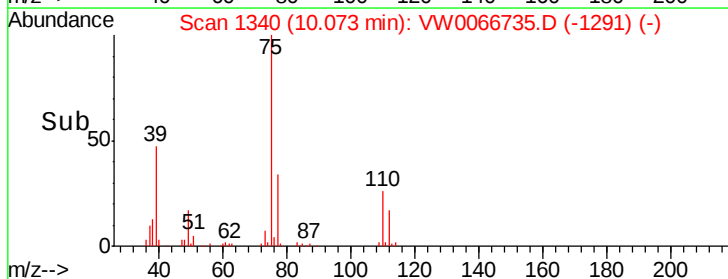
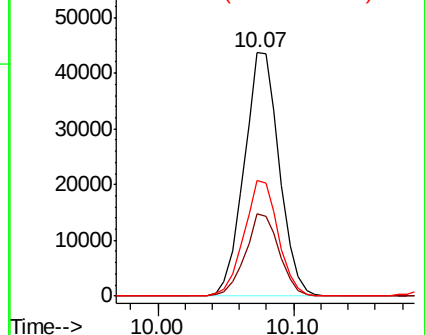
39 47.4 37.3 55.9

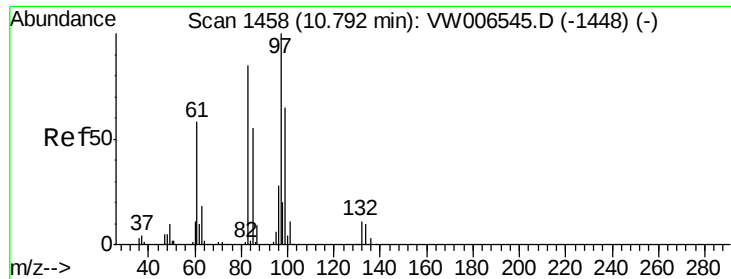


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

Ion 39.00 (38.70 to 39.70): VW

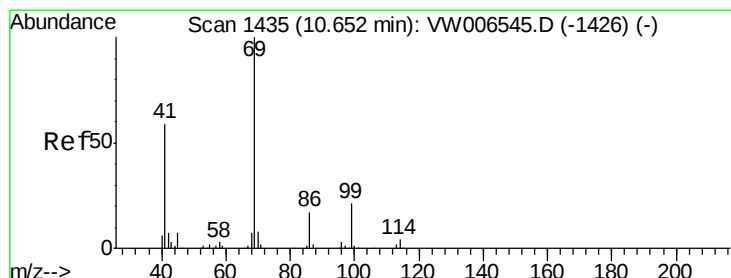
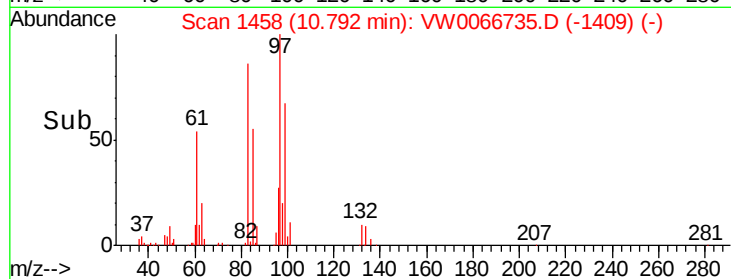
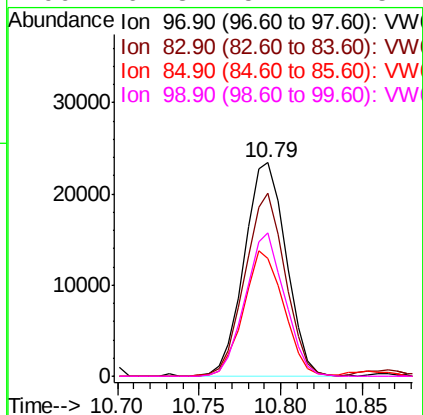
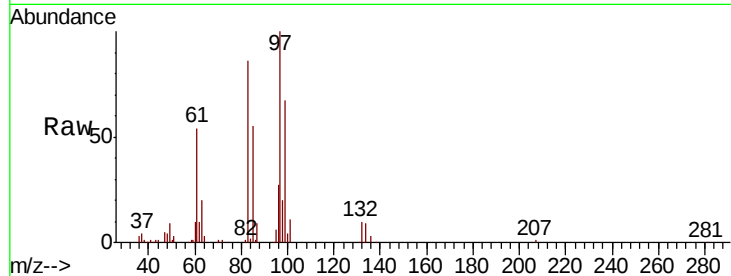




#55
 1,1,2-Trichloroethane
 Concen: 21.049 ug/l
 RT: 10.79 min Scan# 1458
 Delta R.T. 0.00 min
 Lab File: VW0066735.D
 Acq: 07 Nov 2018 14:49

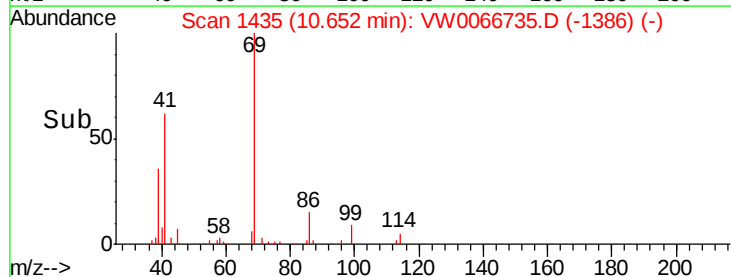
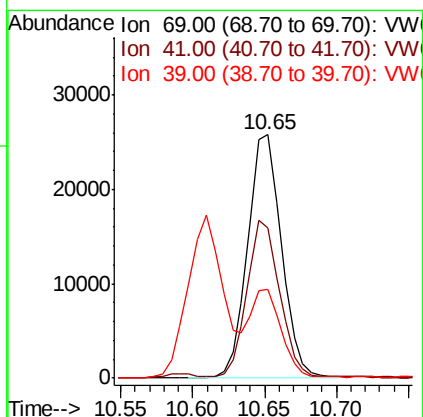
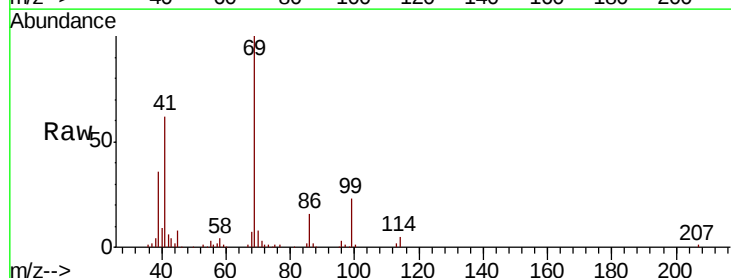
Instrument :
 MSVOA_W
 ClientSampled :

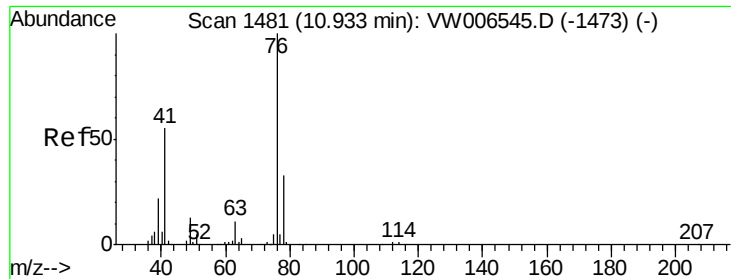
Tot Ion:	97	Resp:	41901
Ion	Ratio	Lower	Upper
97	100		
83	85.5	67.9	101.9
85	54.9	44.0	66.0
99	67.3	52.2	78.2



#56
 Ethyl methacrylate
 Concen: 18.499 ug/l
 RT: 10.65 min Scan# 1435
 Delta R.T. 0.00 min
 Lab File: VW0066735.D
 Acq: 07 Nov 2018 14:49

Tgt Ion:	69	Resp:	41854
Ion	Ratio	Lower	Upper
69	100		
41	62.9	47.4	71.2
39	32.7	25.3	37.9

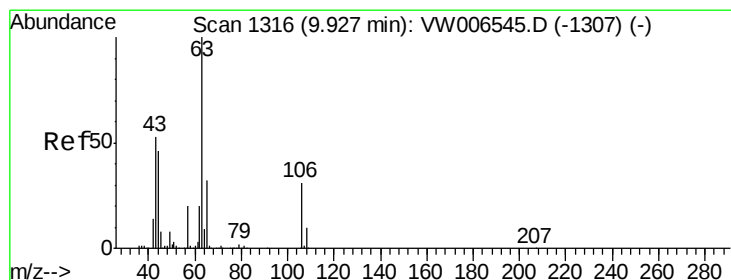
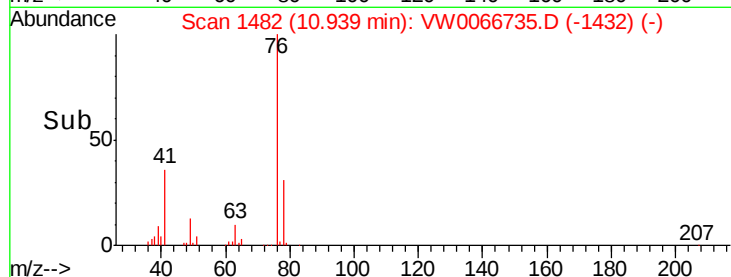
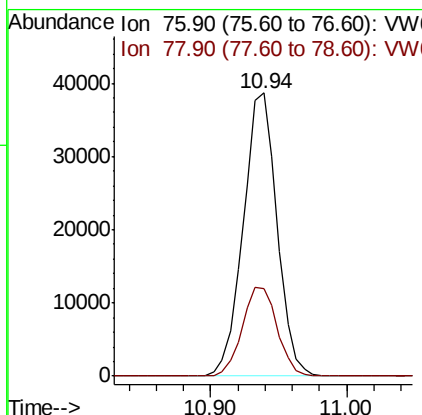
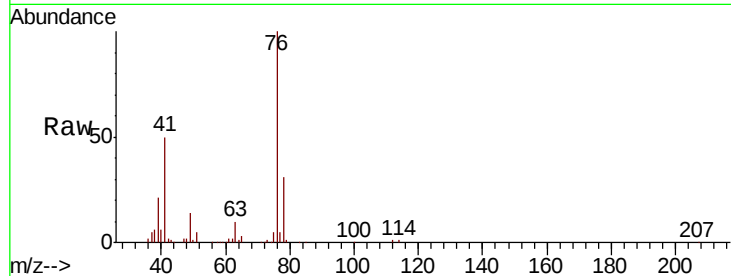




#57
 1,3-Dichloropropane
 Concen: 20.791 ug/l
 RT: 10.94 min Scan# 1482
 Delta R.T. 0.01 min
 Lab File: VW0066735.D
 Acq: 07 Nov 2018 14:49

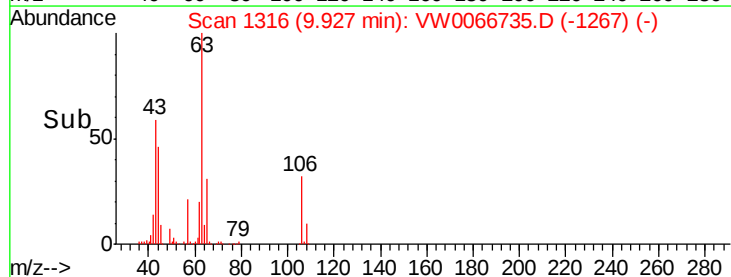
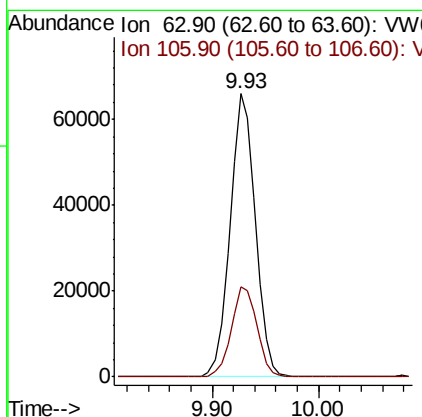
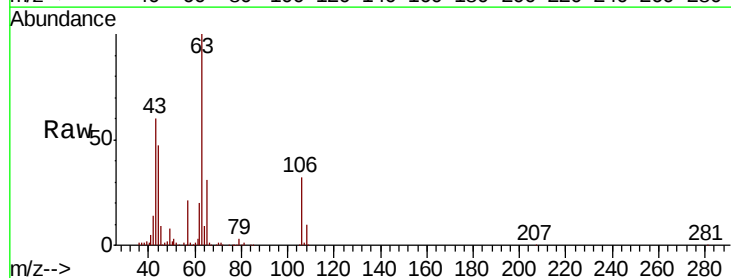
Instrument :
 MSVOA_W
 ClientSampled :

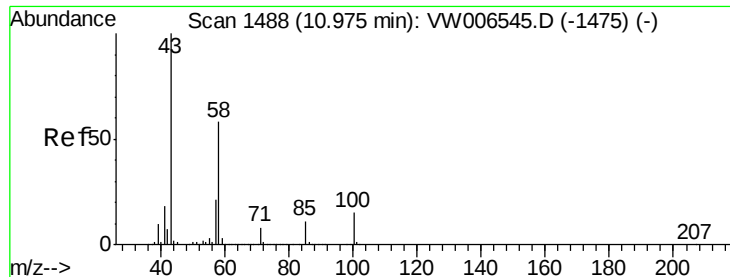
Tot Ion: 76 Resp: 67204
 Ion Ratio Lower Upper
 76 100
 78 32.5 26.2 39.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 99.516 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VW0066735.D
 Acq: 07 Nov 2018 14:49

Tgt Ion: 63 Resp: 109451
 Ion Ratio Lower Upper
 63 100
 106 32.3 25.4 38.2

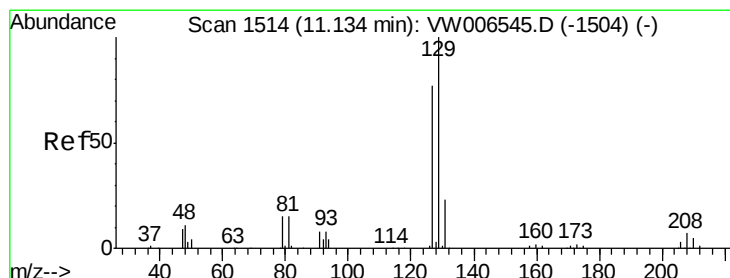
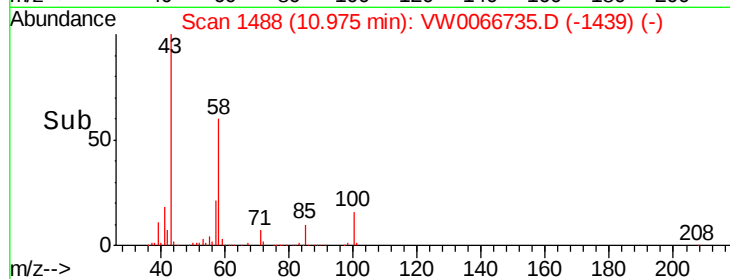
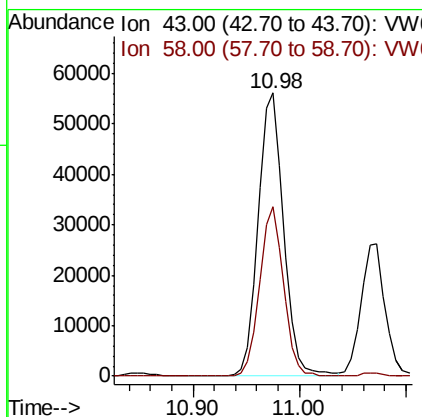
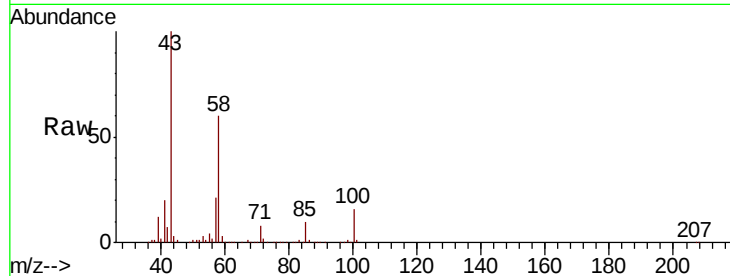




#59
2-Hexanone
Concen: 108.244 ug/l
RT: 10.98 min Scan# 1488
Delta R.T. 0.00 min
Lab File: VW0066735.D
Acq: 07 Nov 2018 14:49

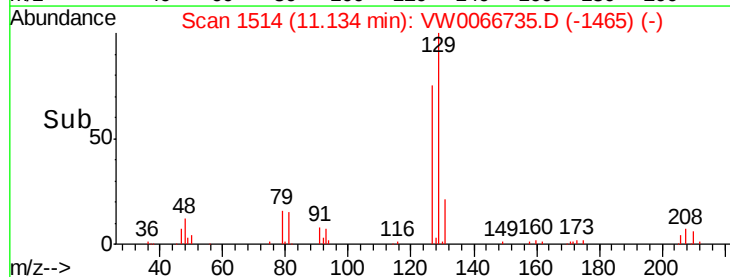
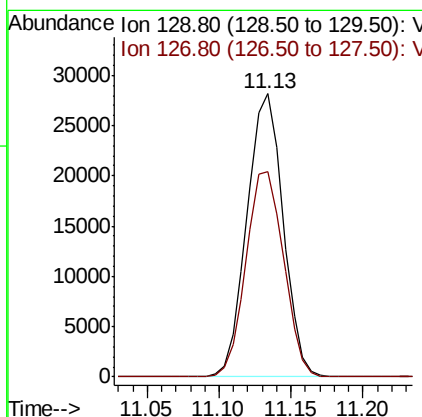
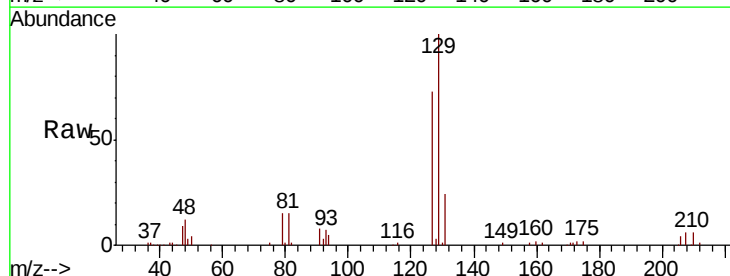
Instrument :
MSVOA_W
ClientSampleId :

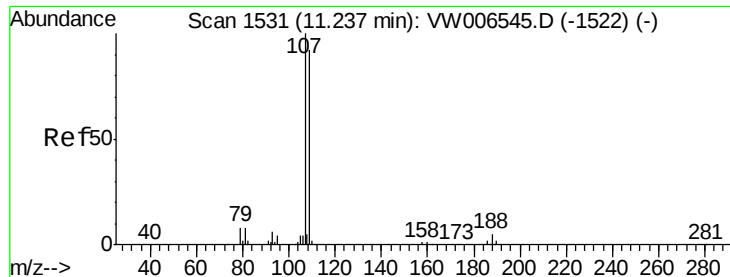
Tot Ion: 43 Resp: 94275
Ion Ratio Lower Upper
43 100
58 56.5 28.8 86.4



#60
Dibromochloromethane
Concen: 20.758 ug/l
RT: 11.13 min Scan# 1514
Delta R.T. 0.00 min
Lab File: VW0066735.D
Acq: 07 Nov 2018 14:49

Tgt Ion: 129 Resp: 48957
Ion Ratio Lower Upper
129 100
127 75.5 38.8 116.3





#61

1,2-Dibromoethane

Concen: 20.053 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. 0.00 min

Lab File: VW0066735.D

Acq: 07 Nov 2018 14:49

Instrument :

MSVOA_W

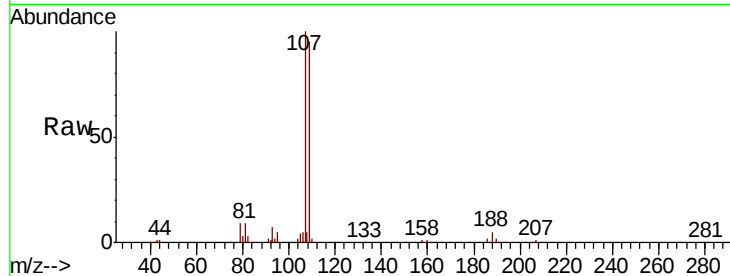
ClientSampleId :

Tot Ion:107 Resp: 39641

Ion Ratio Lower Upper

107 100

109 92.2 75.8 113.6



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.24

25000

20000

15000

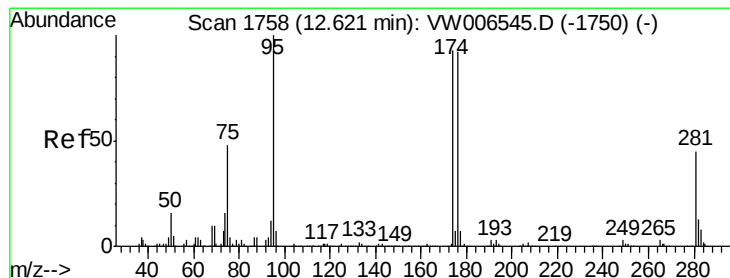
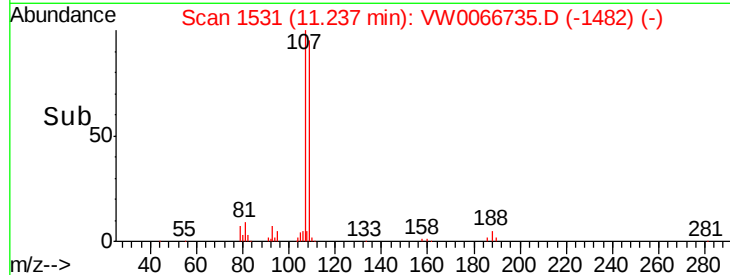
10000

5000

0

Time-->

11.15 11.20 11.25 11.30



#62

4-Bromofluorobenzene

Concen: 48.542 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW0066735.D

Acq: 07 Nov 2018 14:49

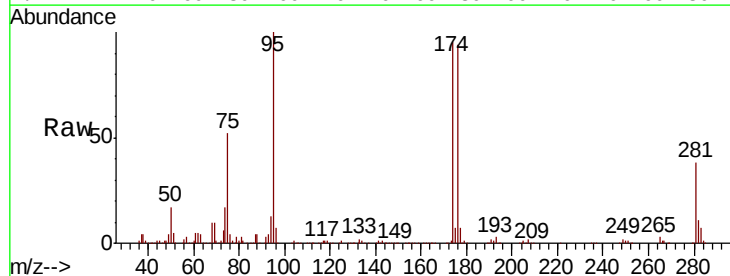
Tgt Ion: 95 Resp: 172624

Ion Ratio Lower Upper

95 100

174 97.2 0.0 192.4

176 95.0 0.0 187.4



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.62

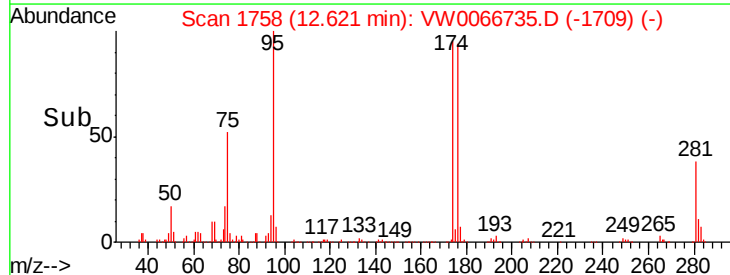
100000

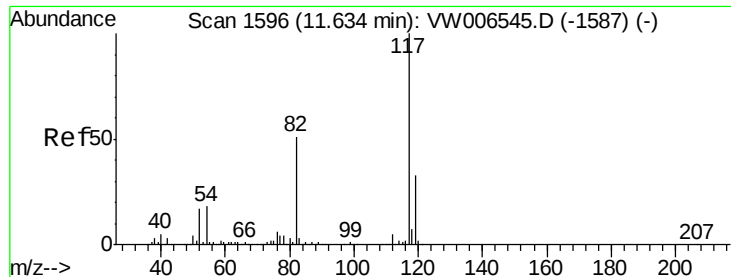
50000

0

Time-->

12.60 12.70

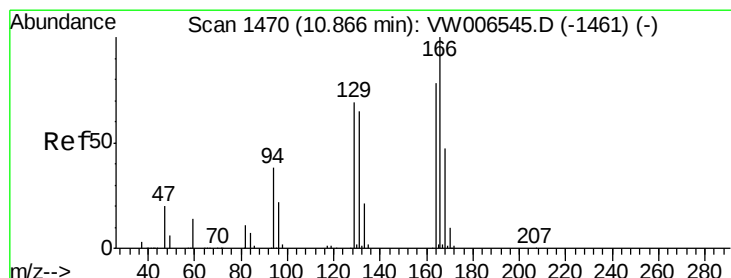
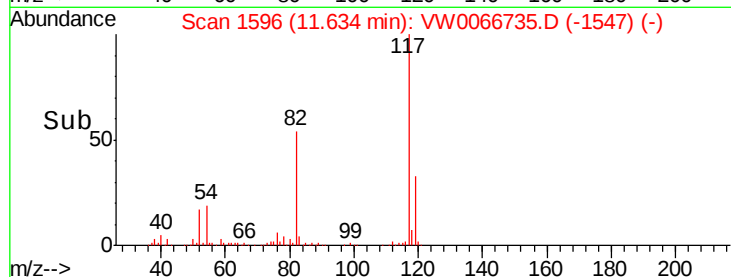
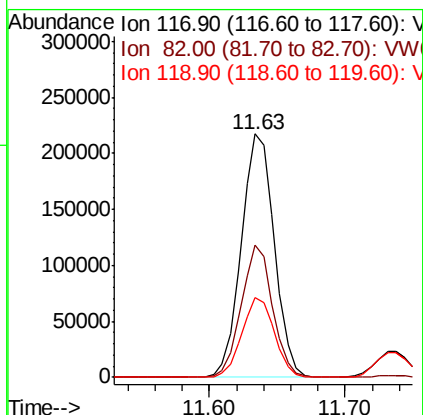
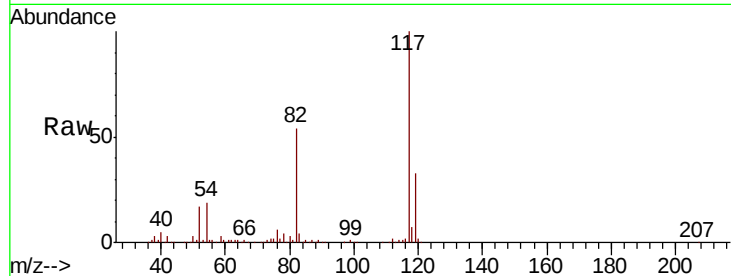




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW0066735.D
Acq: 07 Nov 2018 14:49

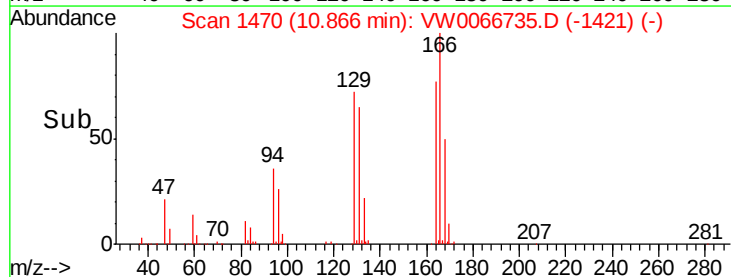
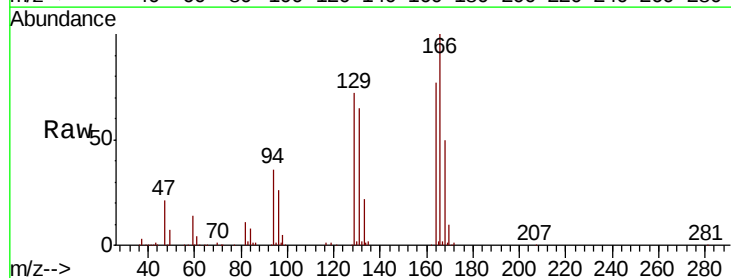
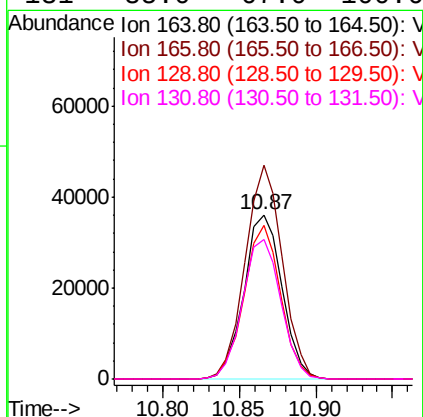
Instrument :
MSVOA_W
ClientSampleId :

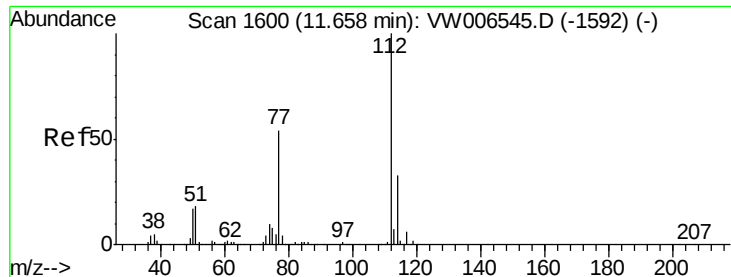
Tot Ion	Ratio	Lower	Upper
117	100		
82	54.2	40.8	61.2
119	32.6	26.1	39.1



#64
Tetrachloroethene
Concen: 21.242 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VW0066735.D
Acq: 07 Nov 2018 14:49

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.2	102.8	154.2
129	94.0	70.9	106.3
131	85.0	67.0	100.6

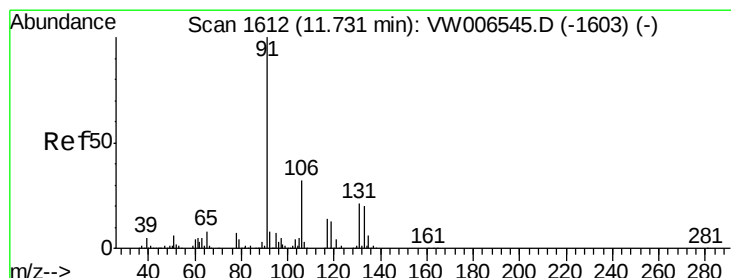
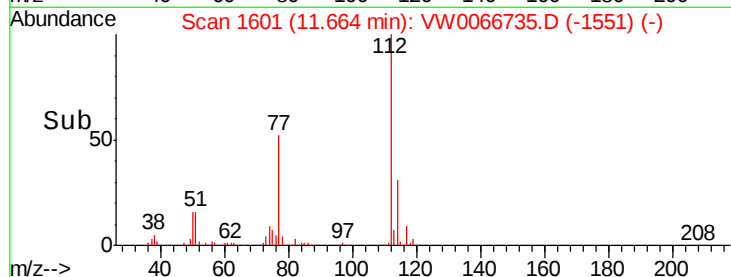
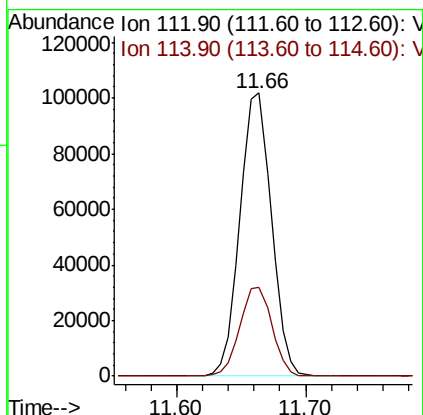
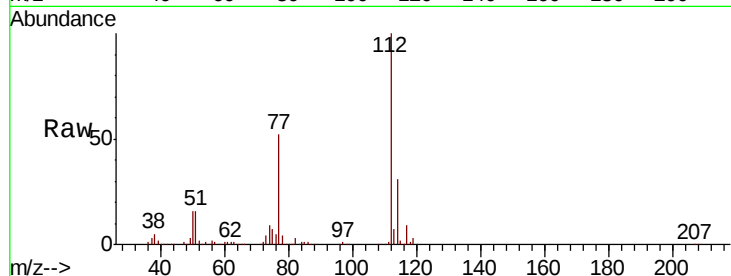




#65
Chlorobenzene
Concen: 22.254 ug/l
RT: 11.66 min Scan# 1601
Delta R.T. 0.01 min
Lab File: VW0066735.D
Acq: 07 Nov 2018 14:49

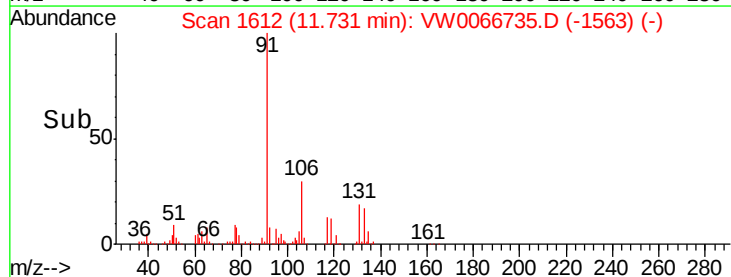
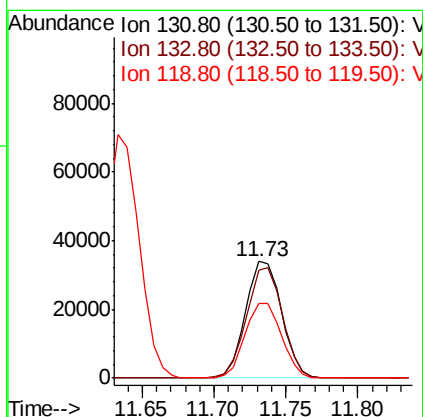
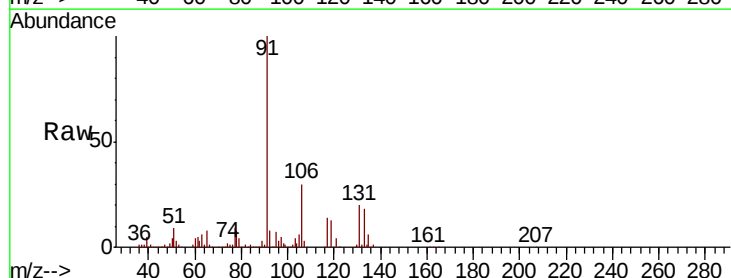
Instrument :
MSVOA_W
ClientSampled :

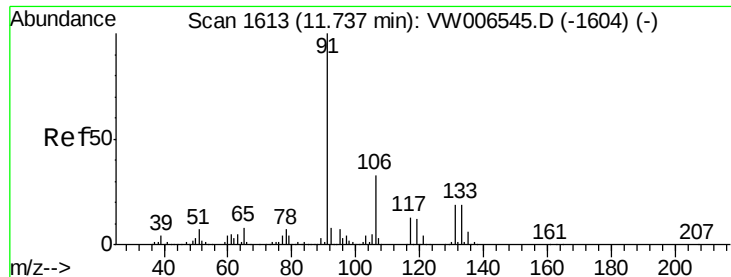
Tot Ion:112 Resp: 172738
Ion Ratio Lower Upper
112 100
114 31.5 26.2 39.2



#66
1,1,1,2-Tetrachloroethane
Concen: 21.585 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW0066735.D
Acq: 07 Nov 2018 14:49

Tgt Ion:131 Resp: 58888
Ion Ratio Lower Upper
131 100
133 94.8 47.5 142.5
119 65.0 31.9 95.5

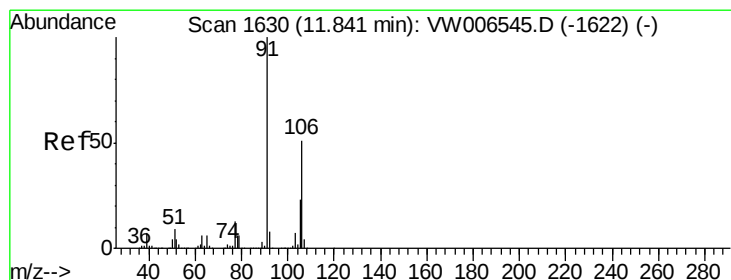
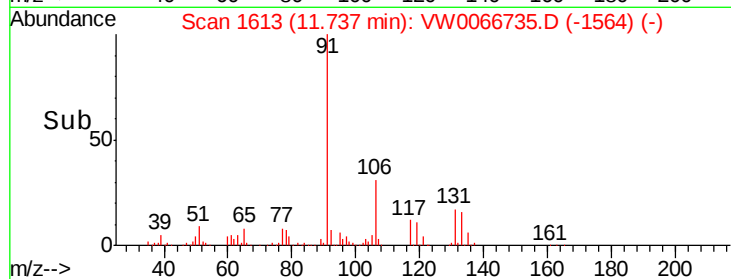
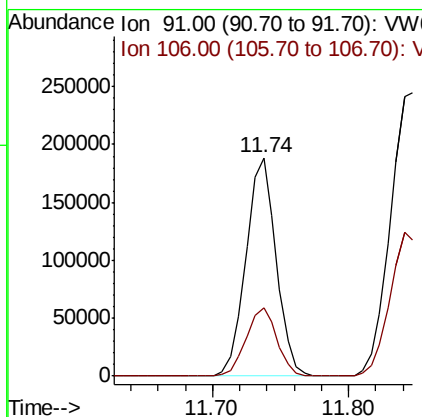
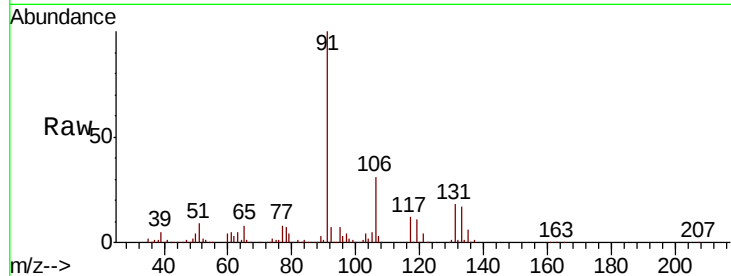




#67
Ethyl Benzene
Concen: 22.616 ug/l
RT: 11.74 min Scan# 1613
Delta R.T. 0.00 min
Lab File: VW0066735.D
Acq: 07 Nov 2018 14:49

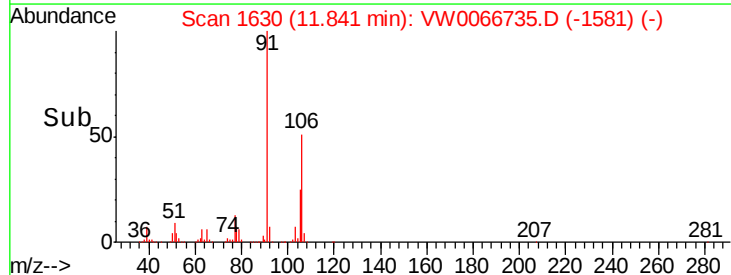
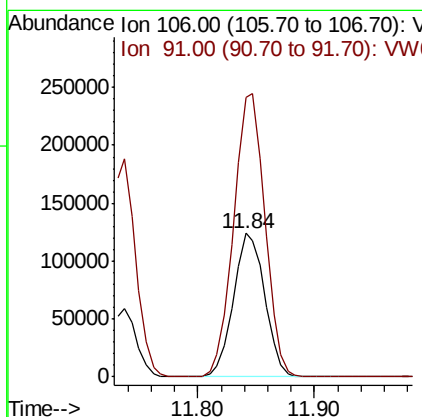
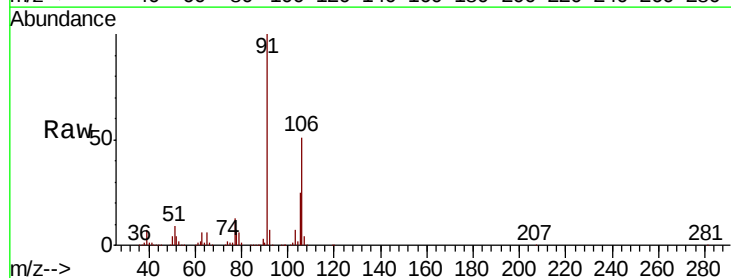
Instrument :
MSVOA_W
ClientSampleId :

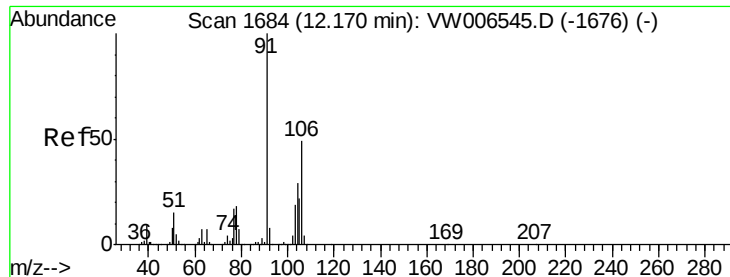
Tot Ion: 91 Resp: 293420
Ion Ratio Lower Upper
91 100
106 31.2 26.3 39.5



#68
m/p-Xylenes
Concen: 44.966 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW0066735.D
Acq: 07 Nov 2018 14:49

Tgt Ion: 106 Resp: 233074
Ion Ratio Lower Upper
106 100
91 196.6 156.7 235.1

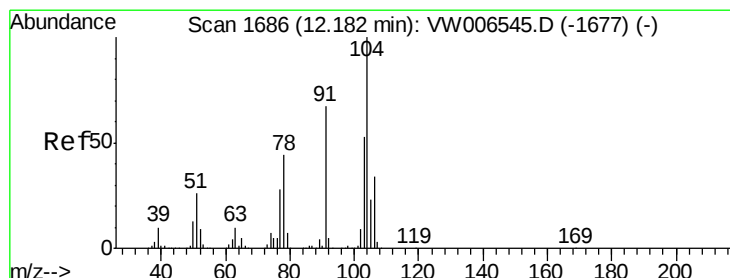
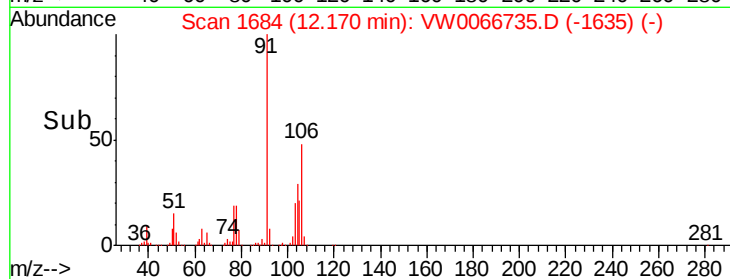
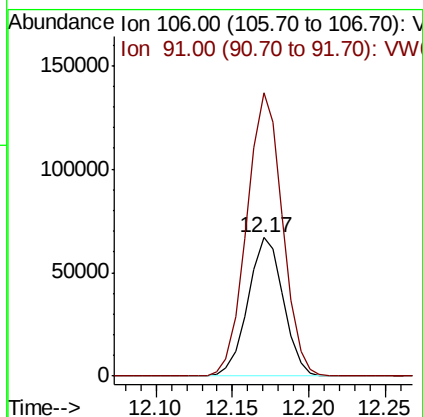
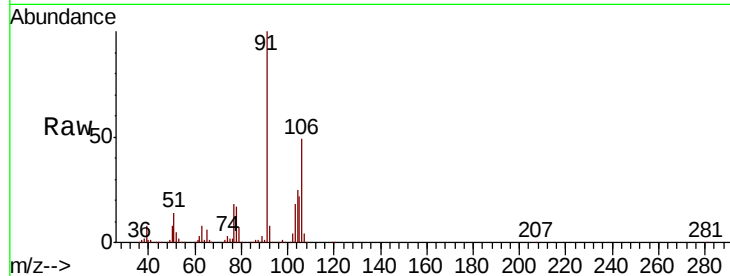




#69
o-Xylene
Concen: 21.788 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW0066735.D
Acq: 07 Nov 2018 14:49

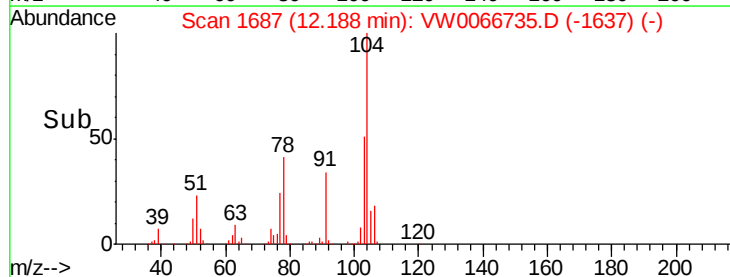
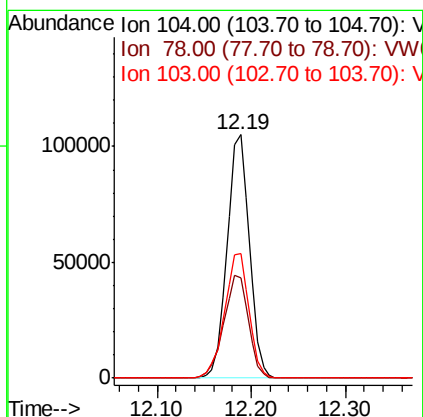
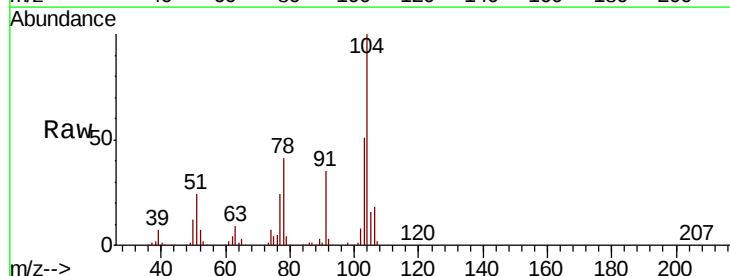
Instrument :
MSVOA_W
ClientSampled :

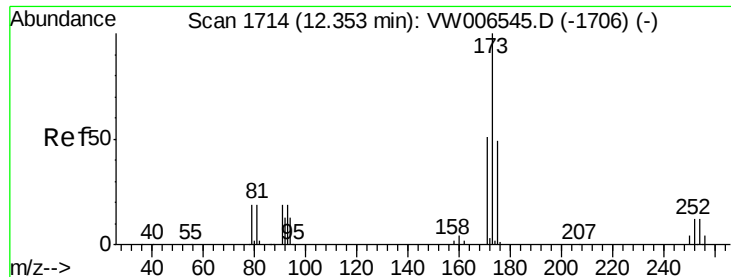
Tot Ion:106 Resp: 107517
Ion Ratio Lower Upper
106 100
91 206.5 102.8 308.4



#70
Styrene
Concen: 21.456 ug/l
RT: 12.19 min Scan# 1687
Delta R.T. 0.01 min
Lab File: VW0066735.D
Acq: 07 Nov 2018 14:49

Tgt Ion:104 Resp: 172619
Ion Ratio Lower Upper
104 100
78 46.7 37.2 55.8
103 55.8 44.2 66.2





#71

Bromoform

Concen: 20.633 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VW0066735.D

Acq: 07 Nov 2018 14:49

Instrument :

MSVOA_W

ClientSampleId :

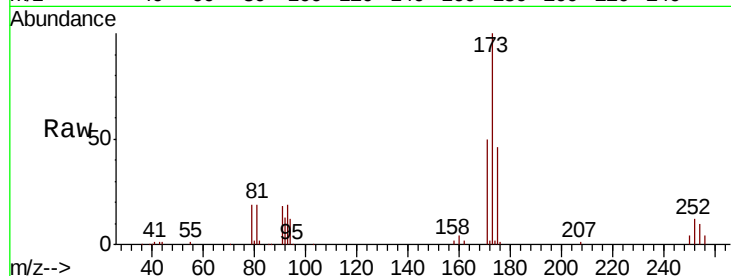
Tot Ion:173 Resp: 29839

Ion Ratio Lower Upper

173 100

175 47.6 24.1 72.4

254 0.0 0.1 0.1#

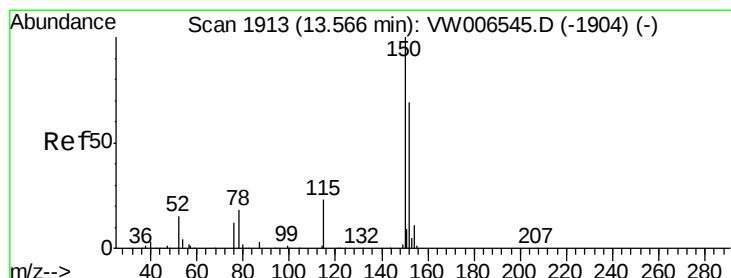
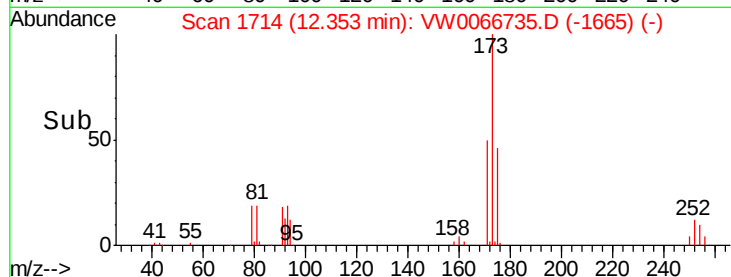
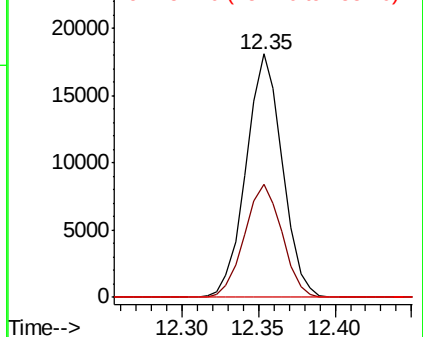


Abundance

Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1913

Delta R.T. 0.00 min

Lab File: VW0066735.D

Acq: 07 Nov 2018 14:49

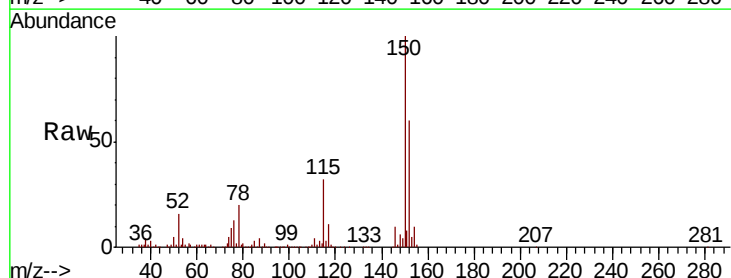
Tgt Ion:152 Resp: 206464

Ion Ratio Lower Upper

152 100

115 54.7 26.6 79.8

150 169.3 0.0 344.6

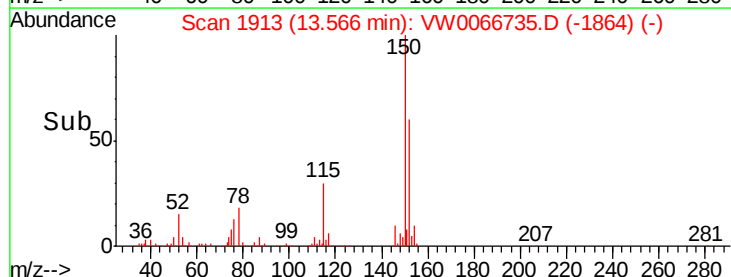
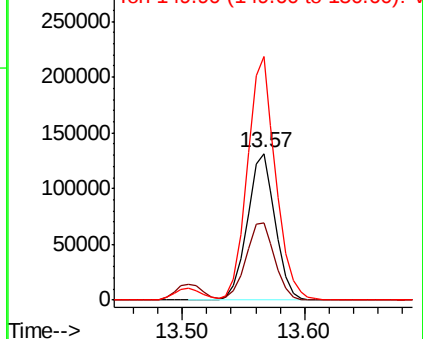


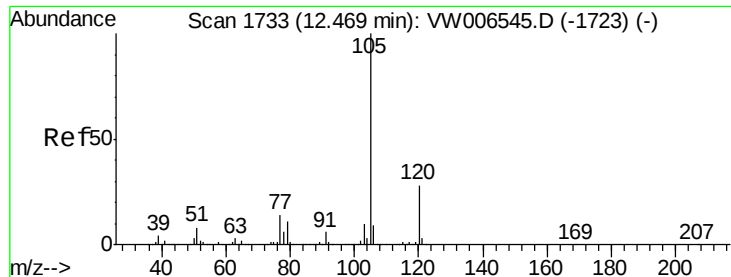
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 22.408 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW0066735.D

Acq: 07 Nov 2018 14:49

Instrument :

MSVOA_W

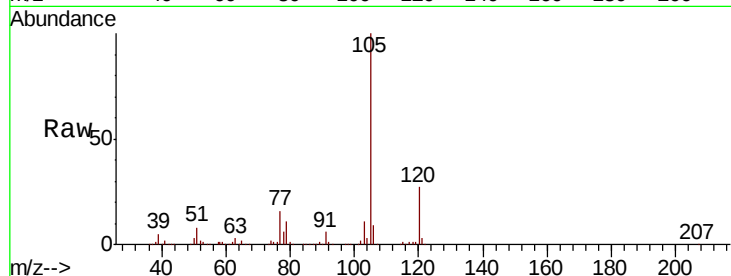
ClientSampleId :

Tot Ion:105 Resp: 304764

Ion Ratio Lower Upper

105 100

120 27.3 13.7 41.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.47

200000

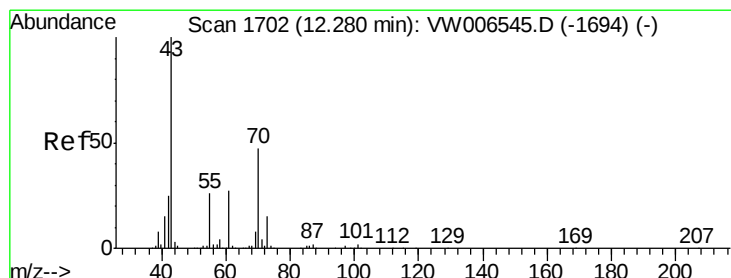
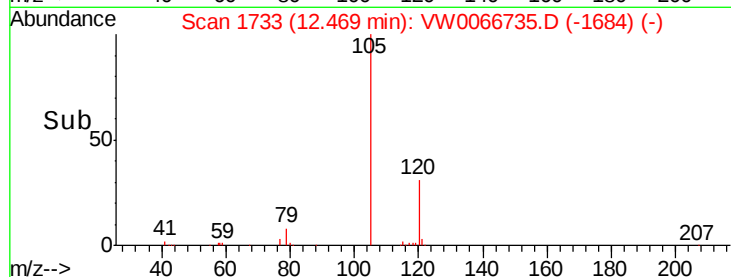
150000

100000

50000

0

Time-->



#74

N-ethyl acetate

Concen: 19.803 ug/l

RT: 12.28 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VW0066735.D

Acq: 07 Nov 2018 14:49

Tgt Ion: 43 Resp: 46543

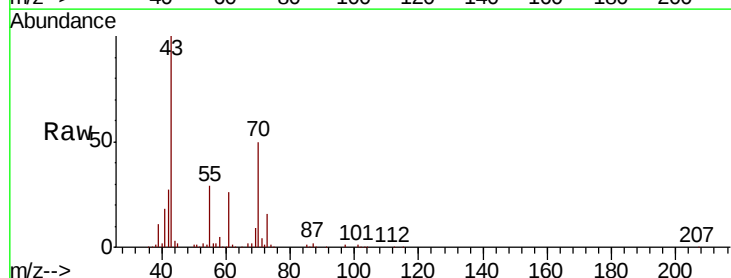
Ion Ratio Lower Upper

43 100

70 47.2 36.9 55.3

55 27.7 20.7 31.1

61 25.2 20.7 31.1



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

40000

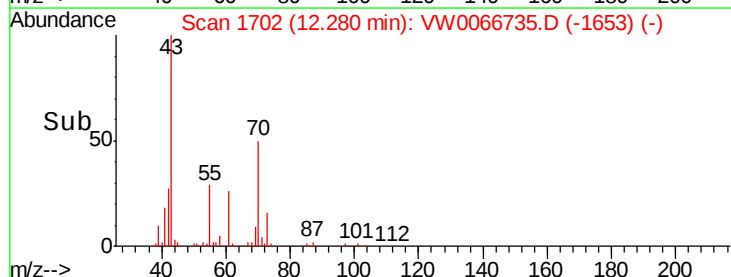
30000

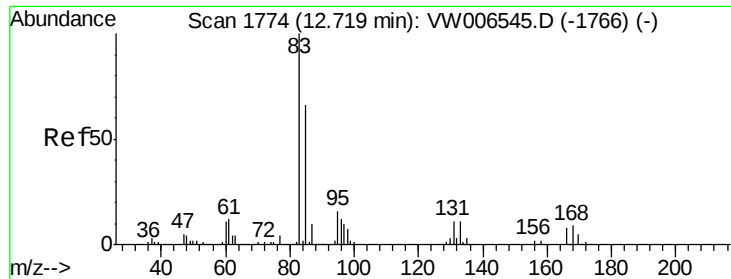
20000

10000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 21.148 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW0066735.D

Acq: 07 Nov 2018 14:49

Instrument :

MSVOA_W

ClientSampleId :

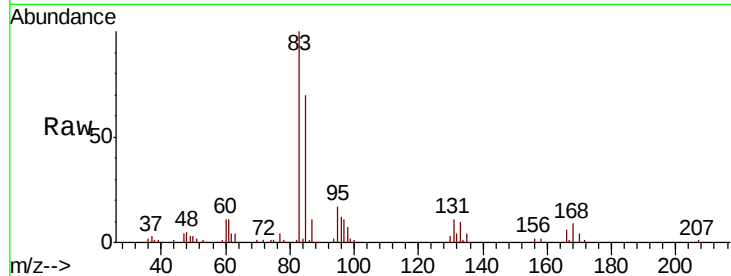
Tot Ion: 83 Resp: 45428

Ion Ratio Lower Upper

83 100

131 11.4 5.9 17.7

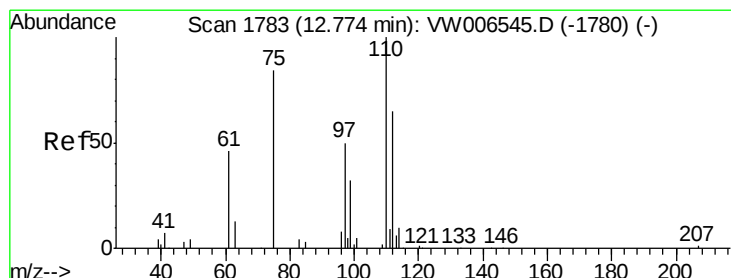
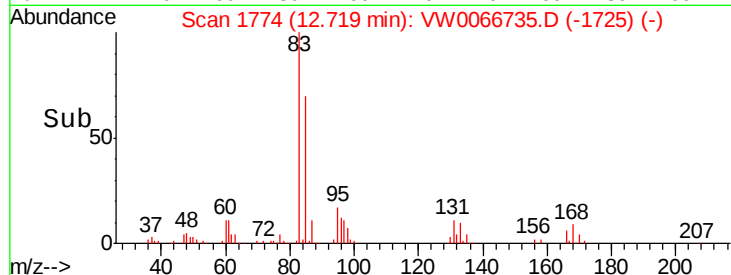
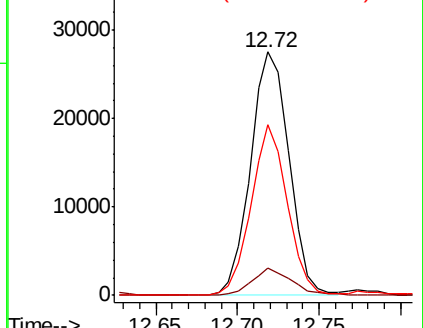
85 65.6 32.3 96.8



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 35.069 ug/l

RT: 12.77 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VW0066735.D

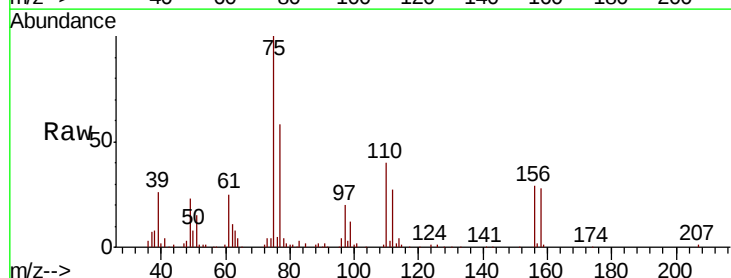
Acq: 07 Nov 2018 14:49

Tgt Ion: 75 Resp: 56493

Ion Ratio Lower Upper

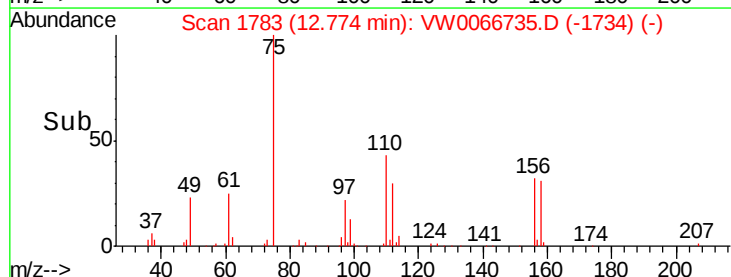
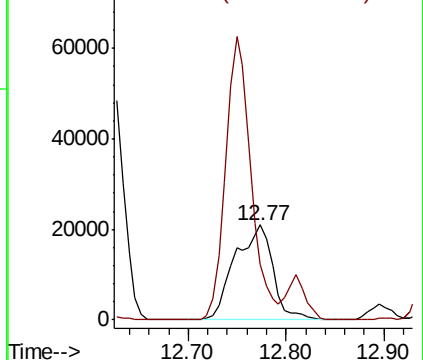
75 100

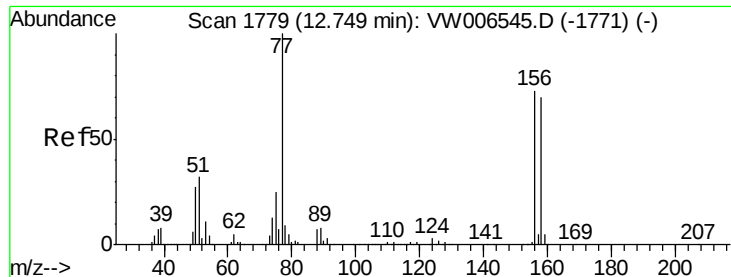
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 21.498 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW0066735.D

Acq: 07 Nov 2018 14:49

Instrument :

MSVOA_W

ClientSampleId :

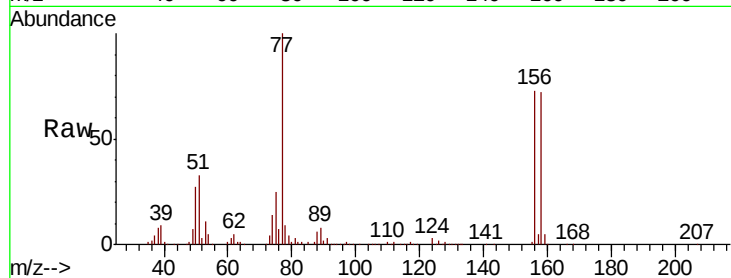
Tot Ion:156 Resp: 75705

Ion Ratio Lower Upper

156 100

77 149.5 75.9 227.8

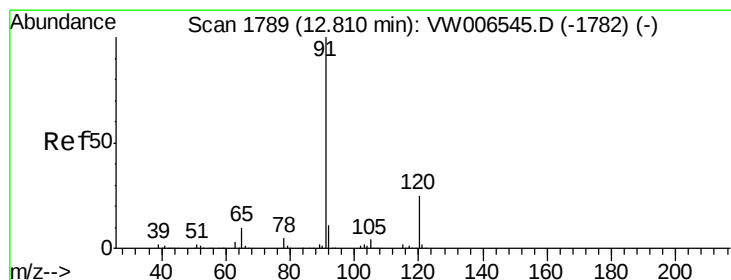
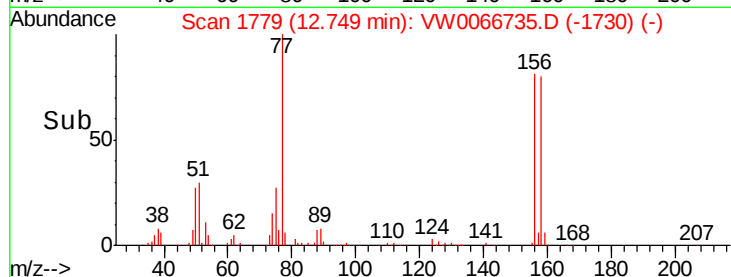
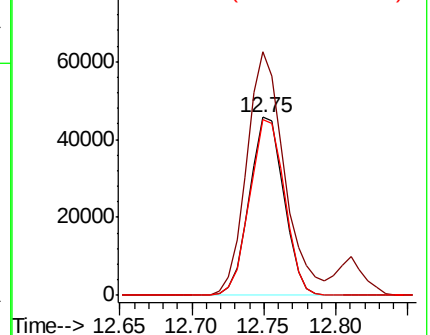
158 99.5 48.6 145.9



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: 22.924 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VW0066735.D

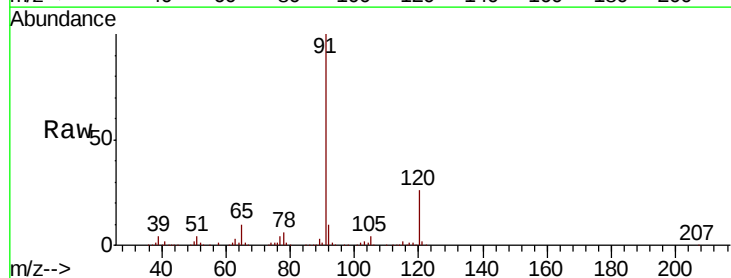
Acq: 07 Nov 2018 14:49

Tgt Ion: 91 Resp: 358627

Ion Ratio Lower Upper

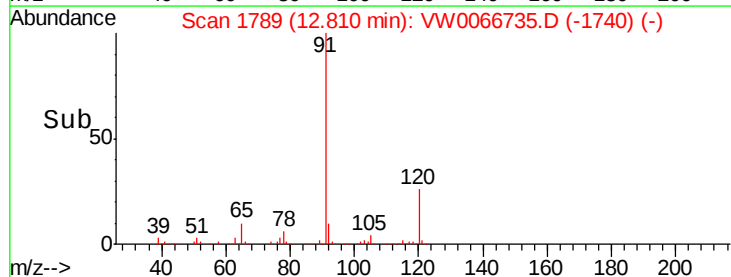
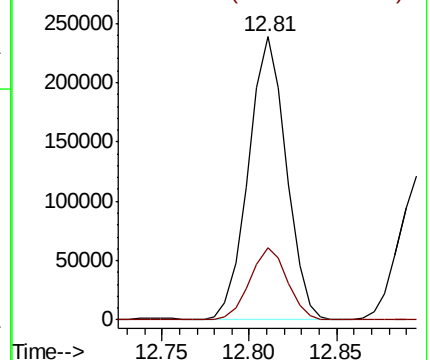
91 100

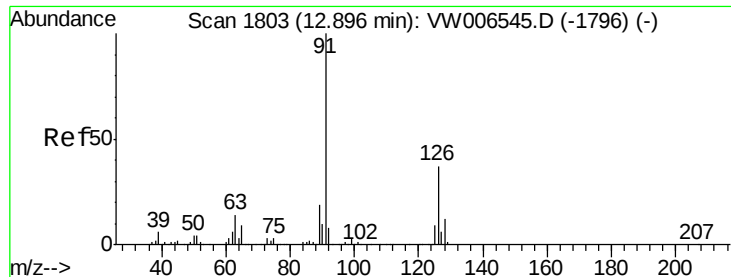
120 25.2 12.4 37.0



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 22.210 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VW0066735.D

Acq: 07 Nov 2018 14:49

Instrument :

MSVOA_W

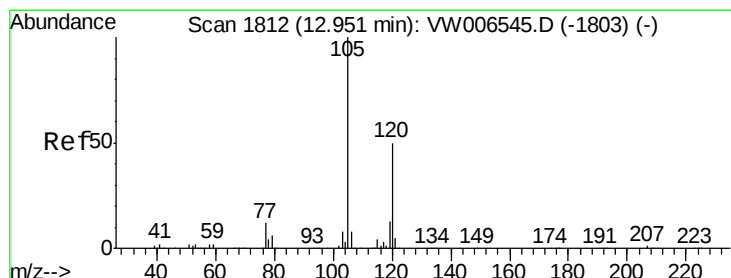
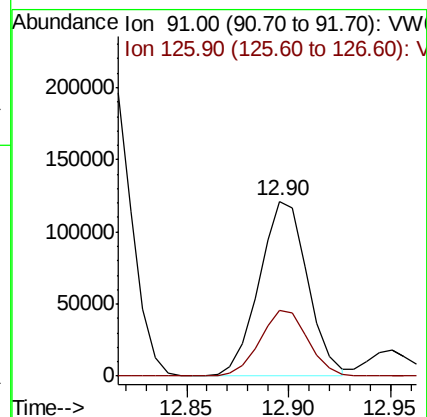
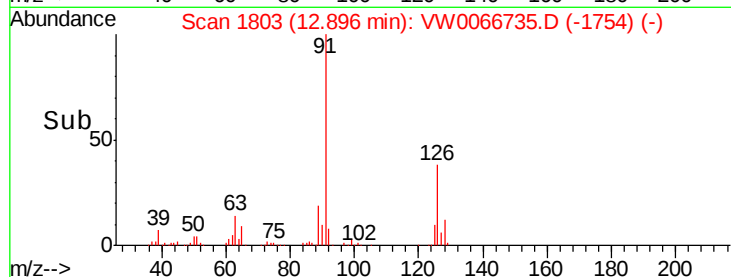
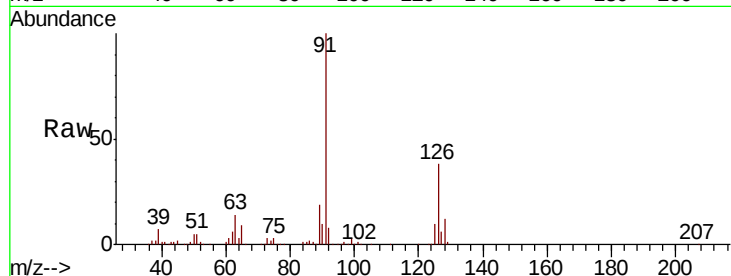
ClientSampleId :

Tot Ion: 91 Resp: 199403

Ion Ratio Lower Upper

91 100

126 37.5 18.5 55.5



#80

1,3,5-Trimethylbenzene

Concen: 22.660 ug/l

RT: 12.95 min Scan# 1812

Delta R.T. 0.00 min

Lab File: VW0066735.D

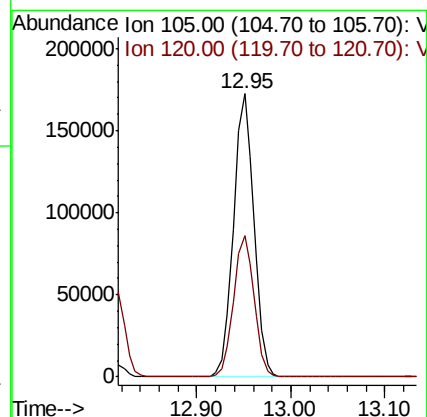
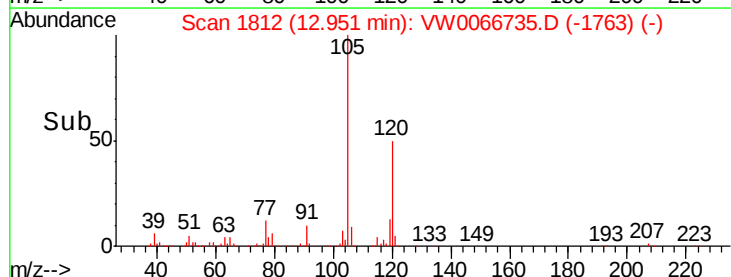
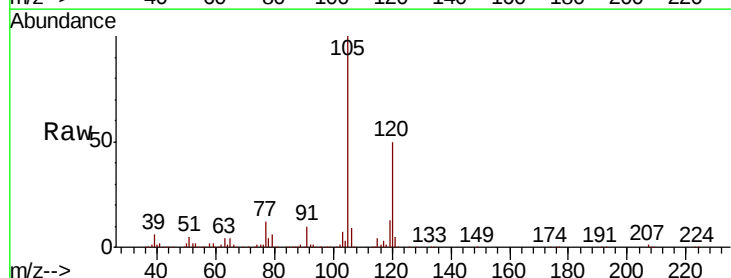
Acq: 07 Nov 2018 14:49

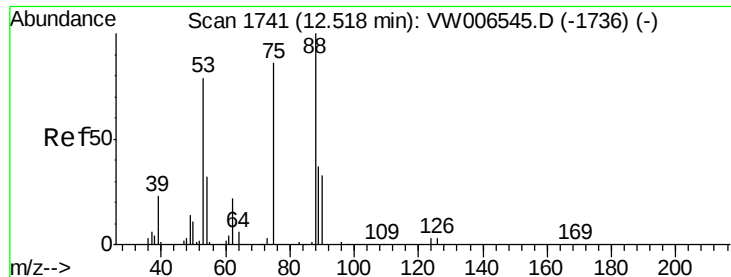
Tgt Ion:105 Resp: 258920

Ion Ratio Lower Upper

105 100

120 50.4 25.1 75.3





#81

trans-1,4-Dichloro-2-butene

Concen: 20.532 ug/l

RT: 12.52 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VW0066735.D

Acq: 07 Nov 2018 14:49

Instrument :

MSVOA_W

ClientSampled :

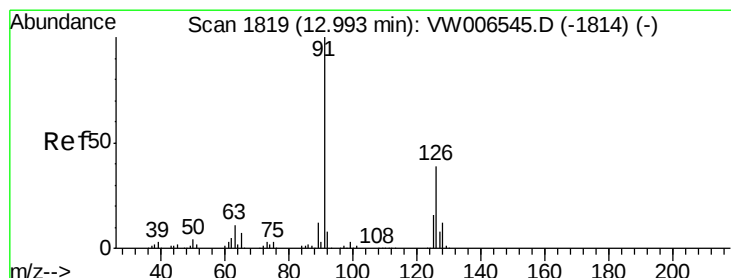
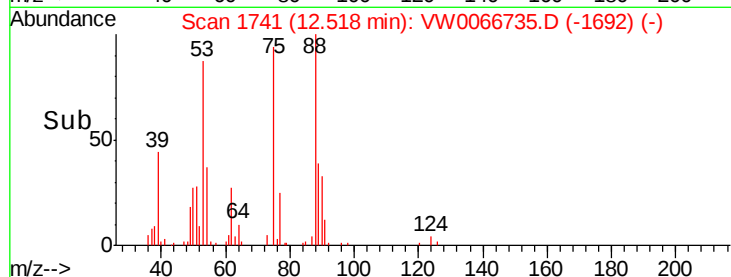
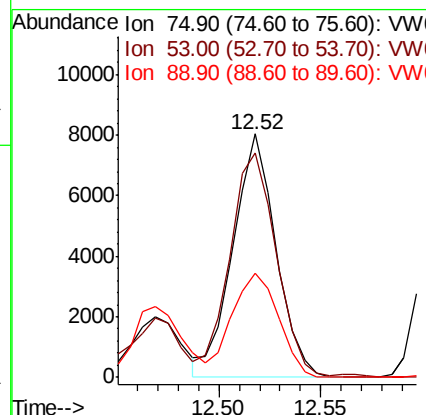
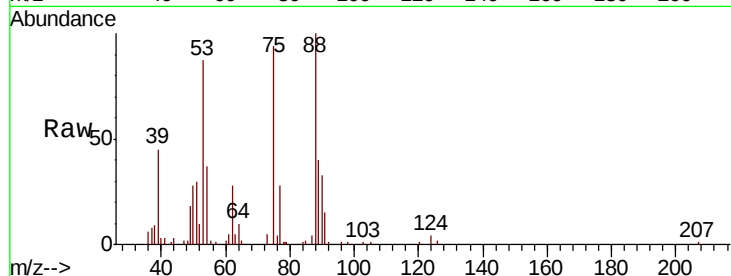
Tot Ion: 75 Resp: 11741

Ion Ratio Lower Upper

75 100

53 100.7 77.2 115.8

89 46.3 38.6 58.0



#82

4-Chlorotoluene

Concen: 22.313 ug/l

RT: 12.99 min Scan# 1819

Delta R.T. 0.00 min

Lab File: VW0066735.D

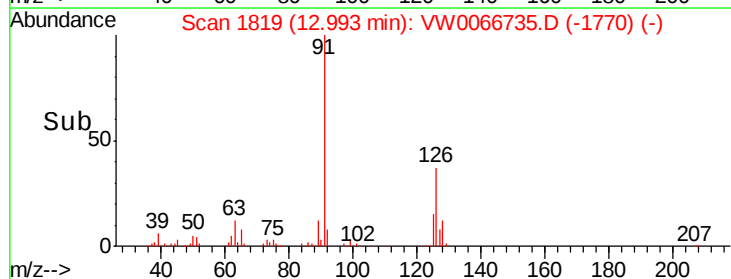
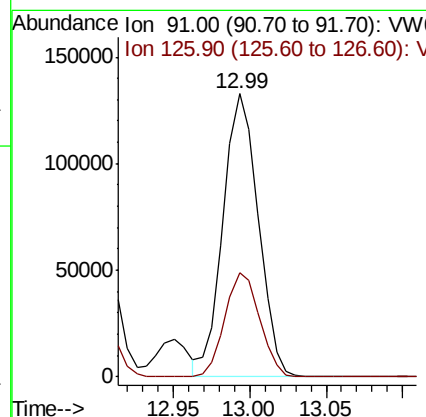
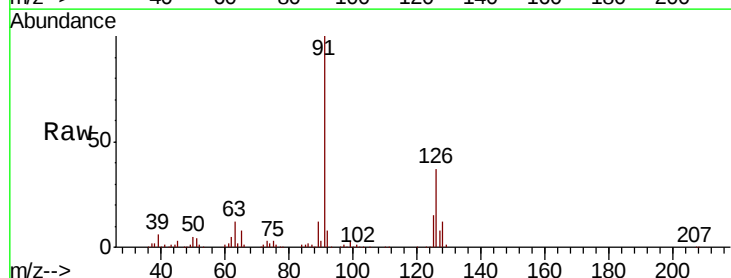
Acq: 07 Nov 2018 14:49

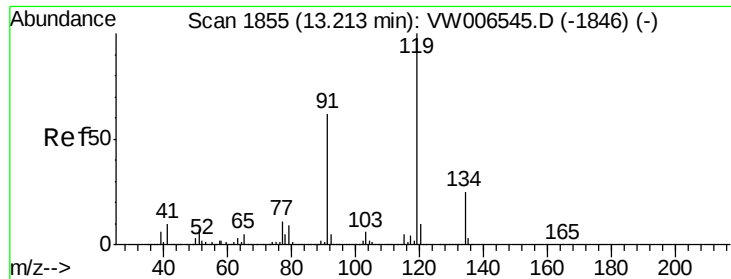
Tgt Ion: 91 Resp: 211936

Ion Ratio Lower Upper

91 100

126 36.6 18.5 55.5

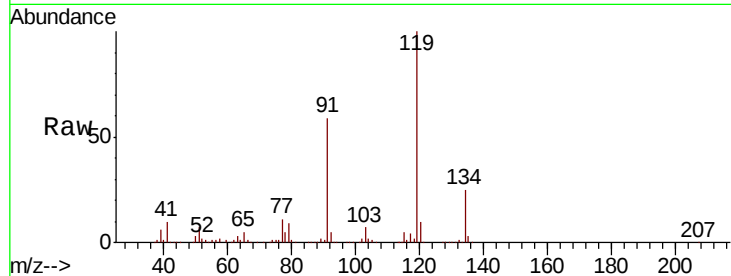




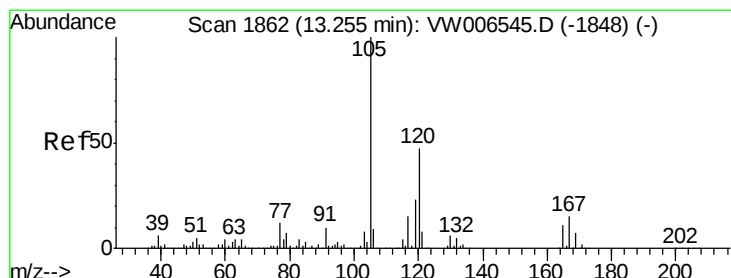
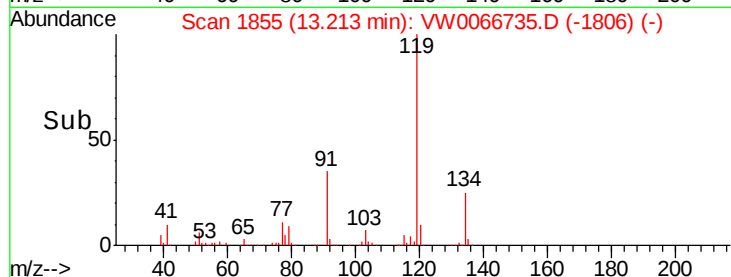
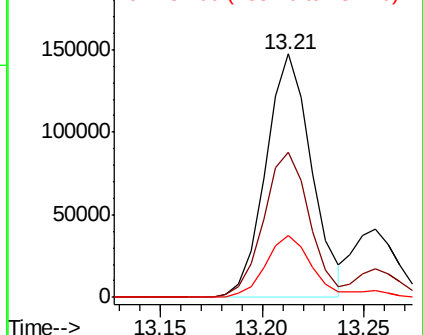
#83
tert-Butylbenzene
Concen: 22.609 ug/l
RT: 13.21 min Scan# 1855
Delta R.T. 0.00 min
Lab File: VW0066735.D
Acq: 07 Nov 2018 14:49

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:119 Resp: 230385
Ion Ratio Lower Upper
119 100
91 59.7 30.4 91.3
134 27.4 13.5 40.4

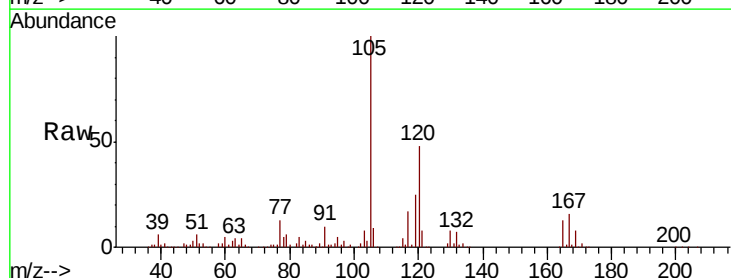


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

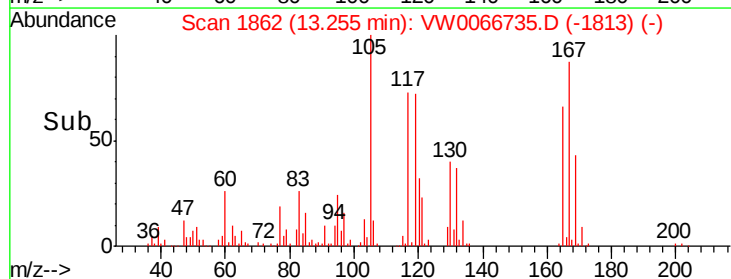
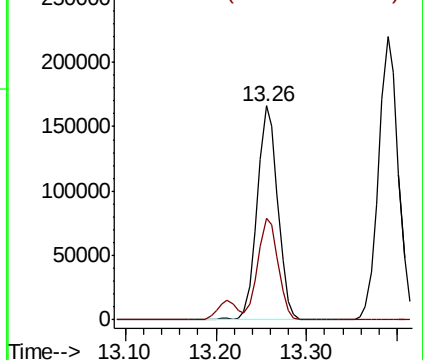


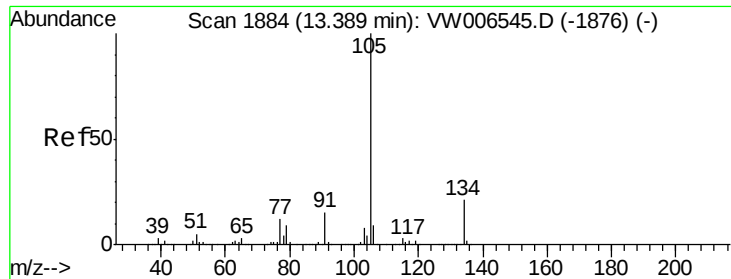
#84
1,2,4-Trimethylbenzene
Concen: 22.239 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VW0066735.D
Acq: 07 Nov 2018 14:49

Tgt Ion:105 Resp: 260643
Ion Ratio Lower Upper
105 100
120 46.8 23.2 69.6



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





#85

sec-Butylbenzene

Concen: 23.108 ug/l

RT: 13.39 min Scan# 1884

Delta R.T. 0.00 min

Lab File: VW0066735.D

Acq: 07 Nov 2018 14:49

Instrument :

MSVOA_W

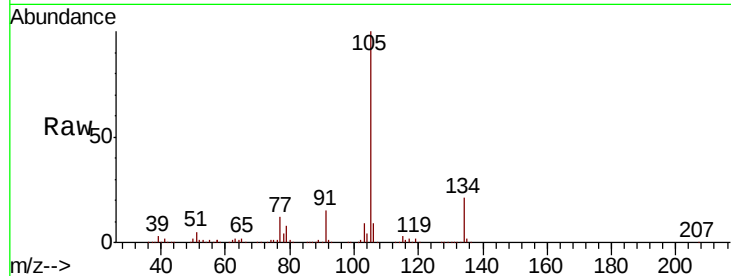
ClientSampleId :

Tot Ion:105 Resp: 329789

Ion Ratio Lower Upper

105 100

134 21.4 10.6 31.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.39

250000

200000

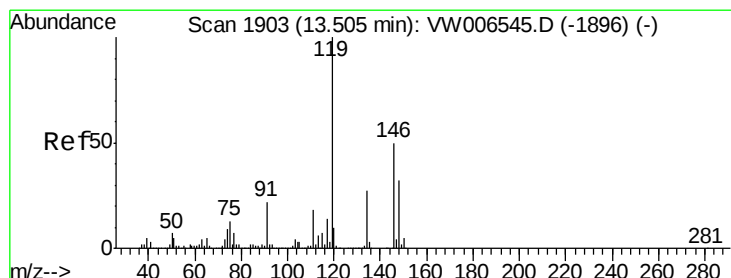
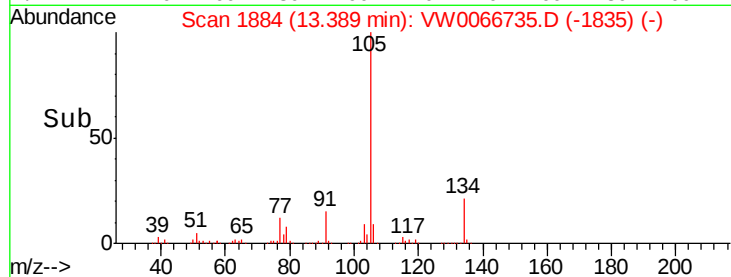
150000

100000

50000

0

Time--> 13.30 13.35 13.40 13.45



#86

p-Isopropyltoluene

Concen: 22.806 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. 0.00 min

Lab File: VW0066735.D

Acq: 07 Nov 2018 14:49

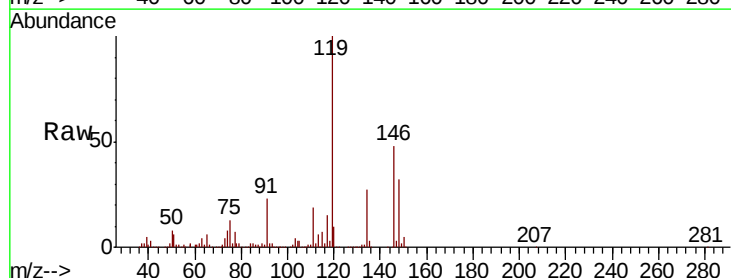
Tgt Ion:119 Resp: 296148

Ion Ratio Lower Upper

119 100

134 27.2 13.6 40.7

91 22.2 10.9 32.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.51

250000

200000

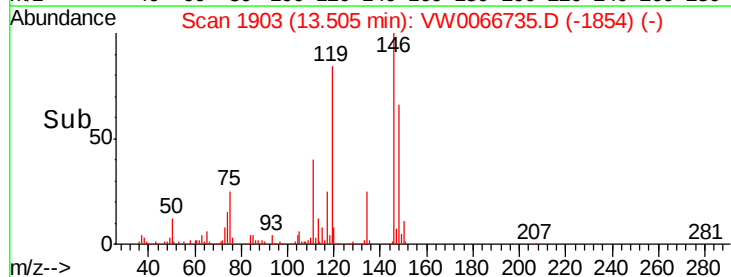
150000

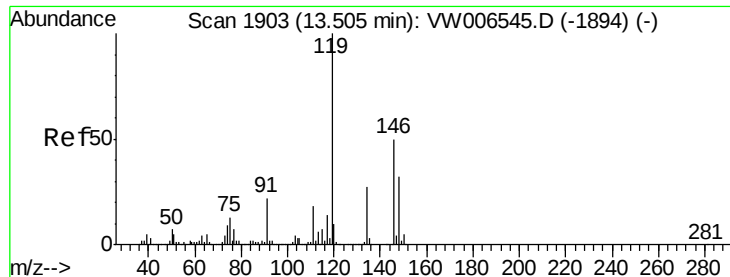
100000

50000

0

Time--> 13.45 13.50 13.55

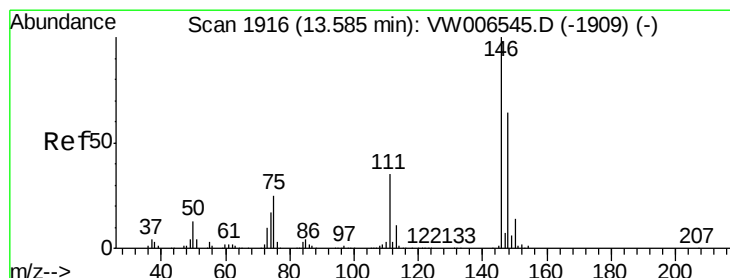
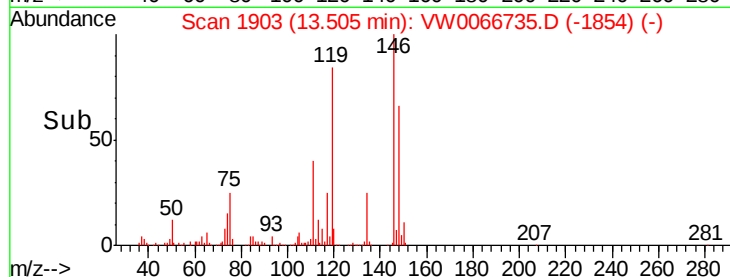
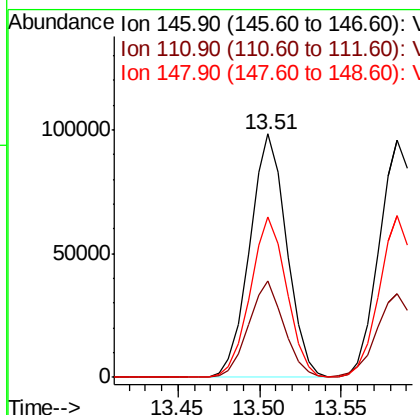
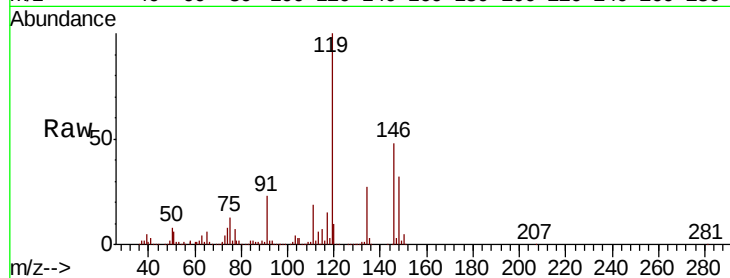




#87
 1,3-Dichlorobenzene
 Concen: 22.323 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.00 min
 Lab File: VW0066735.D
 Acq: 07 Nov 2018 14:49

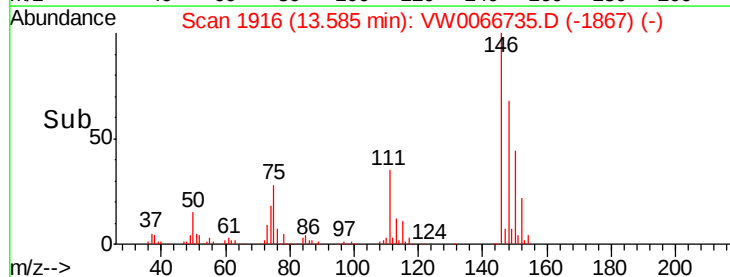
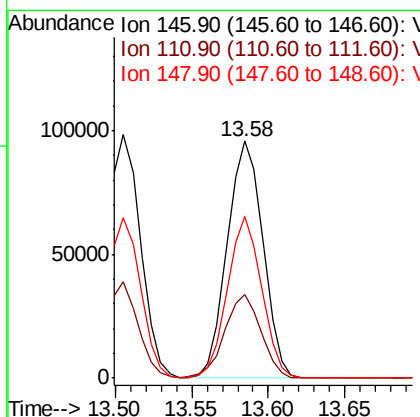
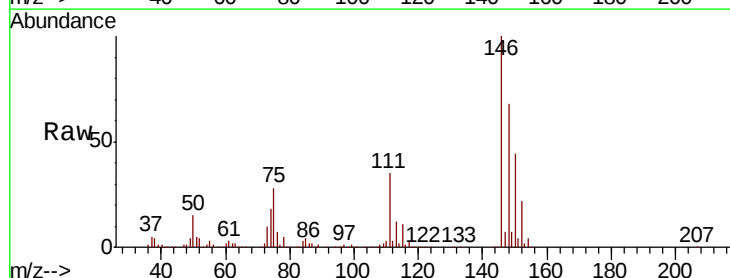
Instrument :
 MSVOA_W
 ClientSampled :

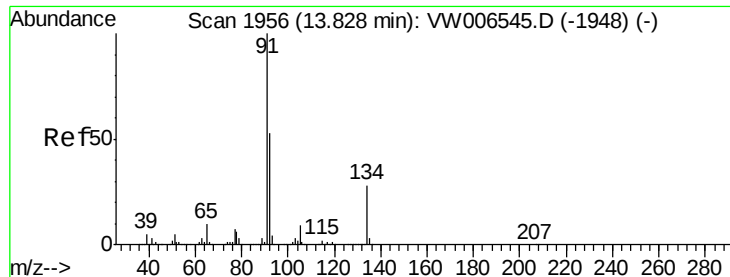
Tot Ion:146 Resp: 154812
 Ion Ratio Lower Upper
 146 100
 111 37.8 18.6 55.6
 148 64.9 32.1 96.3



#88
 1,4-Dichlorobenzene
 Concen: 22.547 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VW0066735.D
 Acq: 07 Nov 2018 14:49

Tgt Ion:146 Resp: 154997
 Ion Ratio Lower Upper
 146 100
 111 35.9 17.9 53.7
 148 65.4 32.1 96.5





#89

n-Butylbenzene

Concen: 23.951 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VW0066735.D

Acq: 07 Nov 2018 14:49

Instrument :

MSVOA_W

ClientSampled :

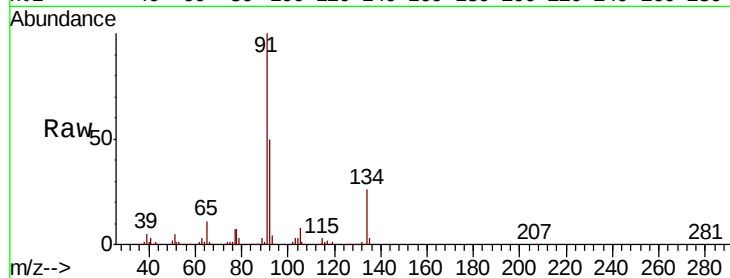
Tot Ion: 91 Resp: 276085

Ion Ratio Lower Upper

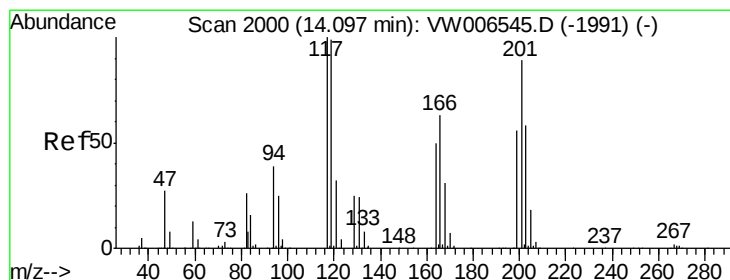
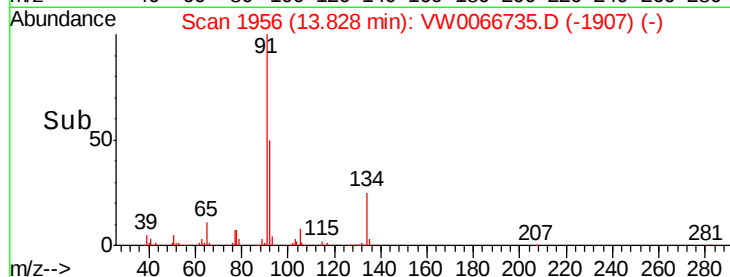
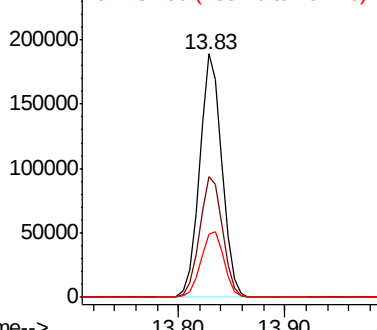
91 100

92 51.1 26.4 79.0

134 28.2 14.3 42.9



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: 22.371 ug/l

RT: 14.10 min Scan# 2001

Delta R.T. 0.01 min

Lab File: VW0066735.D

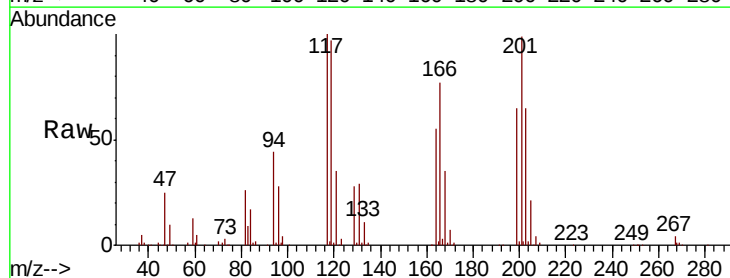
Acq: 07 Nov 2018 14:49

Tgt Ion: 117 Resp: 47746

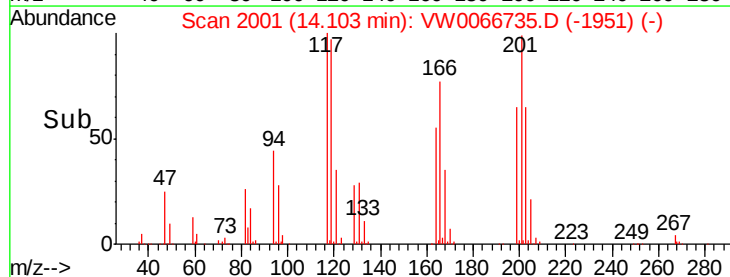
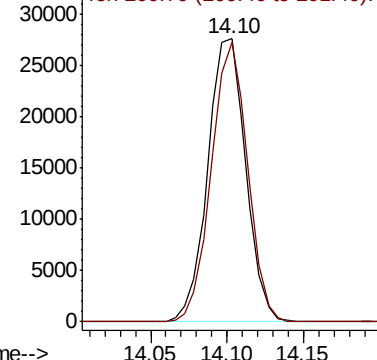
Ion Ratio Lower Upper

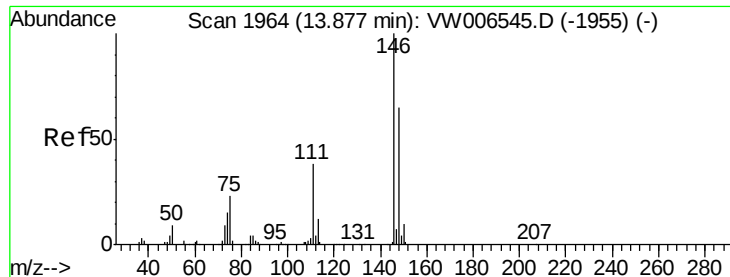
117 100

201 94.1 46.8 140.3



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

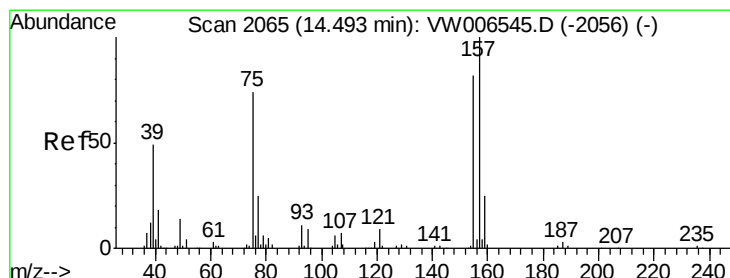
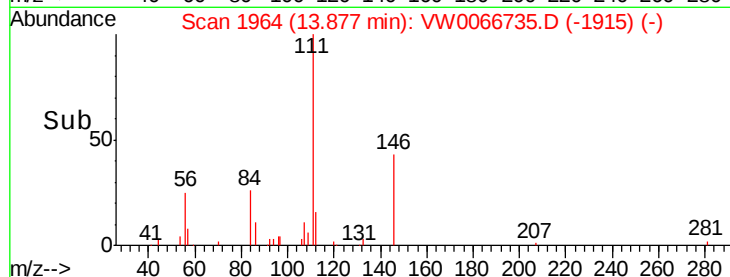
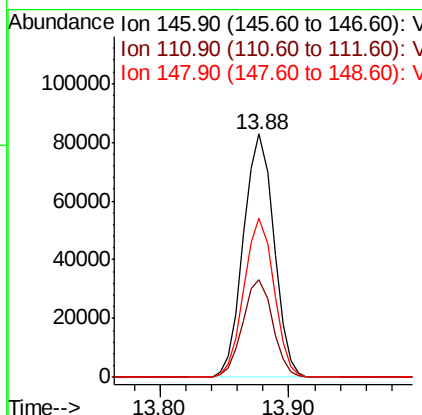
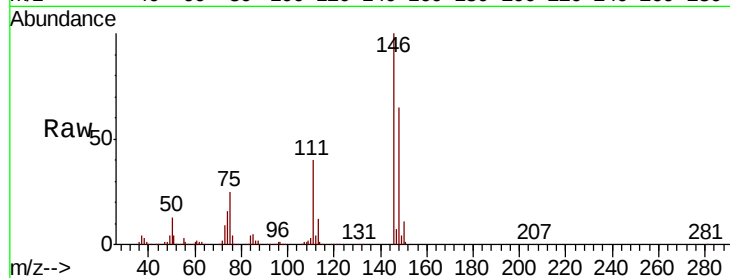




#91
 1,2-Dichlorobenzene
 Concen: 21.730 ug/l
 RT: 13.88 min Scan# 1964
 Delta R.T. 0.00 min
 Lab File: VW0066735.D
 Acq: 07 Nov 2018 14:49

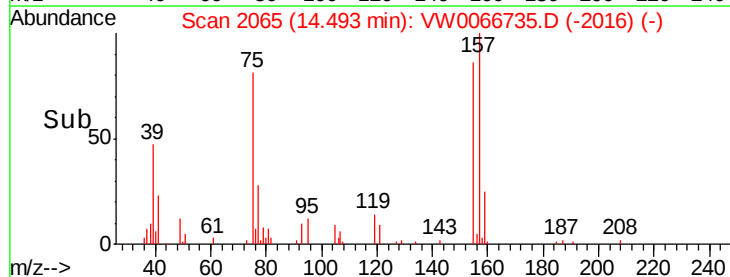
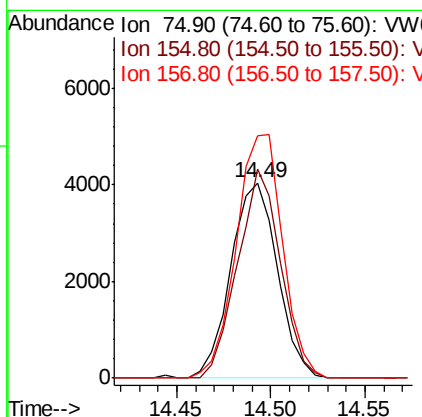
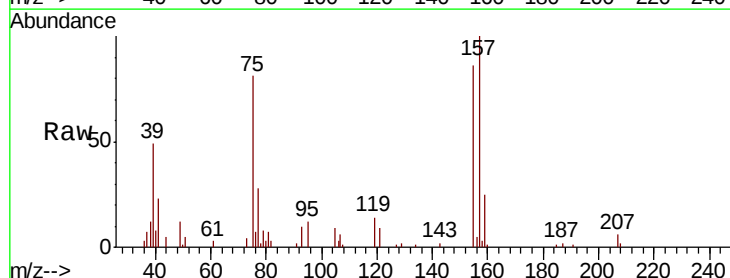
Instrument :
 MSVOA_W
 ClientSampleId :

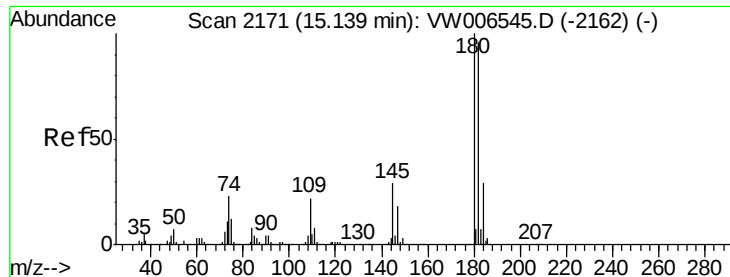
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.3	19.1	57.5
148	64.2	32.0	96.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.882 ug/l
 RT: 14.49 min Scan# 2065
 Delta R.T. 0.00 min
 Lab File: VW0066735.D
 Acq: 07 Nov 2018 14:49

Tgt Ion	Ratio	Lower	Upper
75	100		
155	98.2	50.6	151.8
157	124.5	65.0	195.0

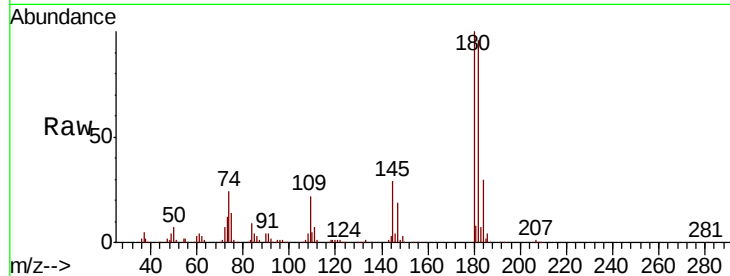




#93
 1,2,4-Trichlorobenzene
 Concen: 21.786 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW0066735.D
 Acq: 07 Nov 2018 14:49

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.4	47.5	142.6
145	28.0	14.0	42.0

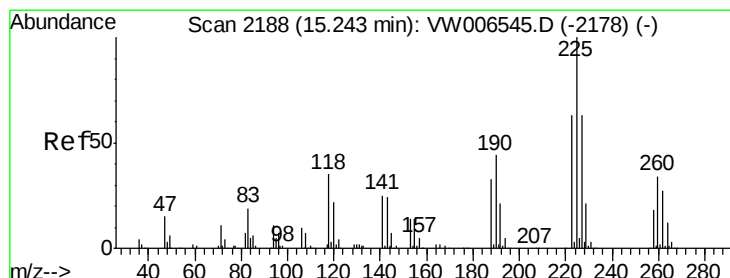
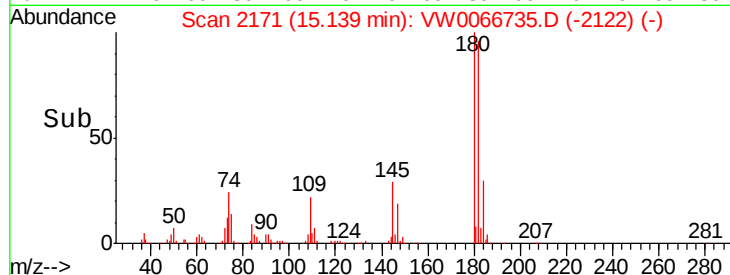
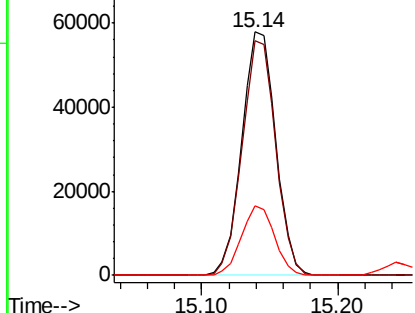


Abundance

Ion 179.80 (179.50 to 180.50): V

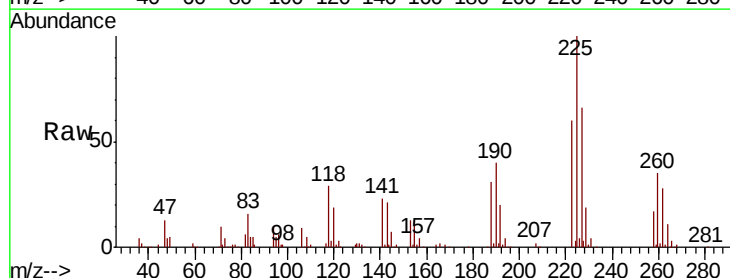
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 23.529 ug/l
 RT: 15.25 min Scan# 2189
 Delta R.T. 0.01 min
 Lab File: VW0066735.D
 Acq: 07 Nov 2018 14:49

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.1	31.4	94.2
227	64.3	32.2	96.6

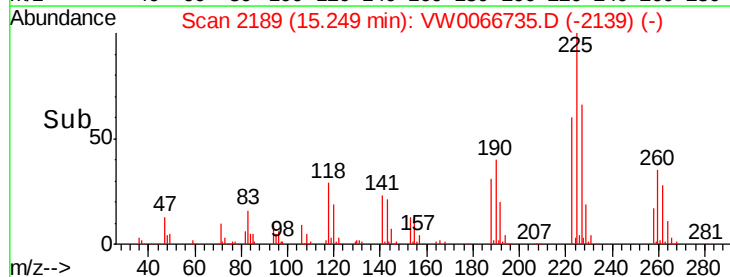
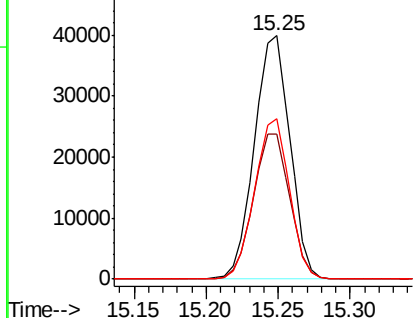


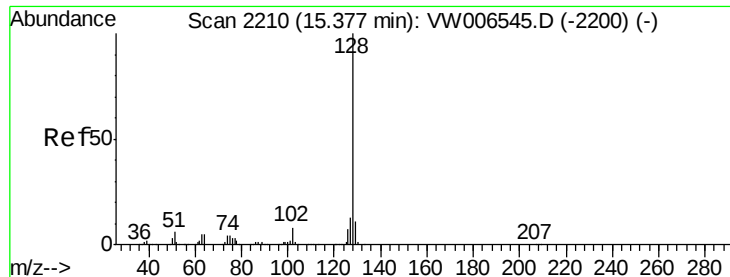
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

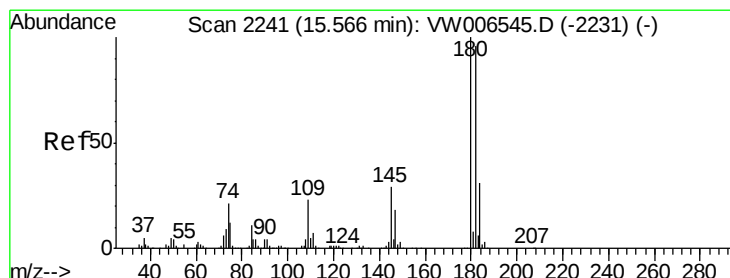
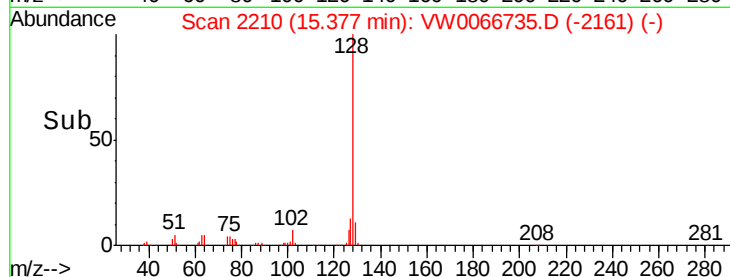
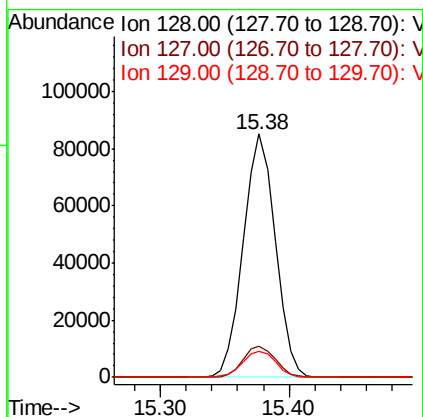
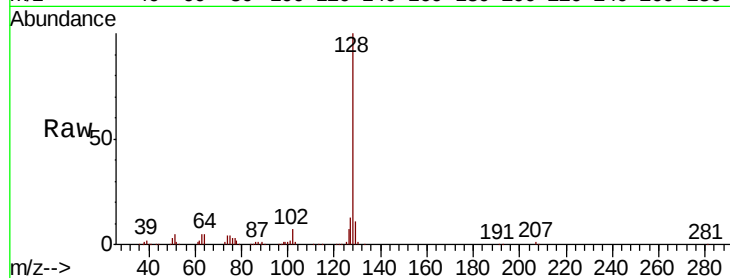




#95
Naphthalene
Concen: 19.664 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. 0.00 min
Lab File: VW0066735.D
Acq: 07 Nov 2018 14:49

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:128 Resp: 146595
Ion Ratio Lower Upper
128 100
127 13.0 10.3 15.5
129 11.2 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 21.435 ug/l
RT: 15.57 min Scan# 2241
Delta R.T. 0.00 min
Lab File: VW0066735.D
Acq: 07 Nov 2018 14:49

Tgt Ion:180 Resp: 87385
Ion Ratio Lower Upper
180 100
182 94.8 48.2 144.6
145 29.4 14.9 44.5

