

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\WV122018\
 Data File : VW007648.D
 Acq On : 18 Dec 2018 10:24
 Operator : SY/AP
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Dec 19 03:13:57 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W121118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 11 02:58:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	71392	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	113290	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	98777	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	50247	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	35494	44.81	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	89.62%	
35) Dibromofluoromethane	7.88	113	33491	48.84	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	97.68%	
50) Toluene-d8	10.32	98	127672	49.65	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	99.30%	
62) 4-Bromofluorobenzene	12.62	95	47486	50.23	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	100.46%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	27156	54.433	ug/l	96
3) Chloromethane	2.21	50	17633	42.202	ug/l	96
4) Vinyl Chloride	2.37	62	24381	49.724	ug/l	98
5) Bromomethane	2.78	94	15765	47.853	ug/l	90
6) Chloroethane	2.93	64	12868	47.675	ug/l	97
7) Trichlorofluoromethane	3.26	101	25433	57.694	ug/l	94
8) Diethyl Ether	3.68	74	15334	44.443	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	40187	55.249	ug/l	97
10) Methyl Iodide	4.26	142	61486	51.038	ug/l	97
11) Tert butyl alcohol	5.17	59	10969	201.650	ug/l #	88
12) 1,1-Dichloroethene	4.03	96	37312	53.277	ug/l	98
13) Acrolein	3.89	56	8199	227.791	ug/l	97
14) Allyl chloride	4.66	41	49768	48.210	ug/l	95
15) Acrylonitrile	5.37	53	31390	215.814	ug/l	98
16) Acetone	4.12	43	39653	286.623	ug/l	94
17) Carbon Disulfide	4.37	76	107299	50.530	ug/l	100
18) Methyl Acetate	4.67	43	15770	41.999	ug/l	100
19) Methyl tert-butyl Ether	5.43	73	48499	45.905	ug/l	93
20) Methylene Chloride	4.91	84	36365	47.903	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	39922	50.958	ug/l	96
22) Diisopropyl ether	6.31	45	93035	46.887	ug/l	92
23) Vinyl Acetate	6.26	43	262864	236.845	ug/l	96
24) 1,1-Dichloroethane	6.21	63	67520	50.348	ug/l	99
25) 2-Butanone	7.17	43	42570	235.701	ug/l	98
26) 2,2-Dichloropropane	7.17	77	50638	57.054	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	42369	49.391	ug/l	97
28) Bromochloromethane	7.51	49	21438	42.499	ug/l	97
29) Tetrahydrofuran	7.53	42	23454	205.128	ug/l	97
30) Chloroform	7.68	83	74305	50.915	ug/l	97
31) Cyclohexane	7.95	56	58552	47.587	ug/l	95
32) 1,1,1-Trichloroethane	7.87	97	69321	54.165	ug/l	99
36) 1,1-Dichloropropene	8.08	75	57047	55.199	ug/l	99
37) Ethyl Acetate	7.25	43	16892	43.946	ug/l	99
38) Carbon Tetrachloride	8.07	117	67685	60.191	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	71956	57.499	ug/l	93
40) Benzene	8.32	78	152032	53.009	ug/l	100
41) Methacrylonitrile	7.48	41	9693	44.283	ug/l	92
42) 1,2-Dichloroethane	8.40	62	47195	52.384	ug/l	99
43) Isopropyl Acetate	8.43	43	34632	45.612	ug/l	97
44) Trichloroethene	9.09	130	45962	56.120	ug/l	99
45) 1,2-Dichloropropane	9.37	63	35160	52.976	ug/l	100
46) Dibromomethane	9.46	93	19822	52.591	ug/l	96
47) Bromodichloromethane	9.65	83	53621	54.237	ug/l	94
48) Methyl methacrylate	9.44	41	16852	43.216	ug/l	87
49) 1,4-Dioxane	9.45	88	6245	1021.163	ug/l	100
51) 4-Methyl-2-Pentanone	10.21	43	84567	235.721	ug/l	99
52) Toluene	10.39	92	102517	55.234	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	51583	53.744	ug/l	95
54) cis-1,3-Dichloropropene	10.07	75	59507	53.632	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	27218	53.060	ug/l	96
56) Ethyl methacrylate	10.65	69	31174	50.560	ug/l	98
57) 1,3-Dichloropropane	10.93	76	43985	52.241	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	71880	252.804	ug/l	97
59) 2-Hexanone	10.97	43	63896	267.101	ug/l	99
60) Dibromochloromethane	11.13	129	35514	54.859	ug/l	99
61) 1,2-Dibromoethane	11.24	107	26085	51.456	ug/l	97
64) Tetrachloroethene	10.87	164	36856	51.885	ug/l	94
65) Chlorobenzene	11.66	112	112688	54.734	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.73	131	40138	55.354	ug/l	98
67) Ethyl Benzene	11.73	91	203742	57.559	ug/l	91
68) m/p-Xylenes	11.84	106	157034	114.117	ug/l	100
69) o-Xylene	12.17	106	73264	57.007	ug/l	97
70) Styrene	12.18	104	120096	57.855	ug/l	98
71) Bromoform	12.35	173	19752	53.219	ug/l #	99
73) Isopropylbenzene	12.47	105	212203	55.116	ug/l	99
74) N-amyl acetate	12.27	43	32437	46.357	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	27972	49.053	ug/l	94
76) 1,2,3-Trichloropropane	12.77	75	40083	96.749	ug/l	37
77) Bromobenzene	12.75	156	46138	54.062	ug/l	98
78) n-propylbenzene	12.81	91	249111	57.492	ug/l	100
79) 2-Chlorotoluene	12.90	91	141173	53.846	ug/l	95
80) 1,3,5-Trimethylbenzene	12.94	105	181384	56.068	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	9424	50.248	ug/l	95
82) 4-Chlorotoluene	12.99	91	150318	54.392	ug/l	98
83) tert-Butylbenzene	13.21	119	161865	56.784	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	182776	54.904	ug/l	99
85) sec-Butylbenzene	13.39	105	225347	57.910	ug/l	96
86) p-Isopropyltoluene	13.51	119	200951	57.483	ug/l	98
87) 1,3-Dichlorobenzene	13.51	146	93139	54.738	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	91282	53.362	ug/l	97
89) n-Butylbenzene	13.83	91	186970	57.692	ug/l	98
90) Hexachloroethane	14.10	117	35876	57.677	ug/l	99
91) 1,2-Dichlorobenzene	13.88	146	81946	53.770	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	5521	48.245	ug/l	99

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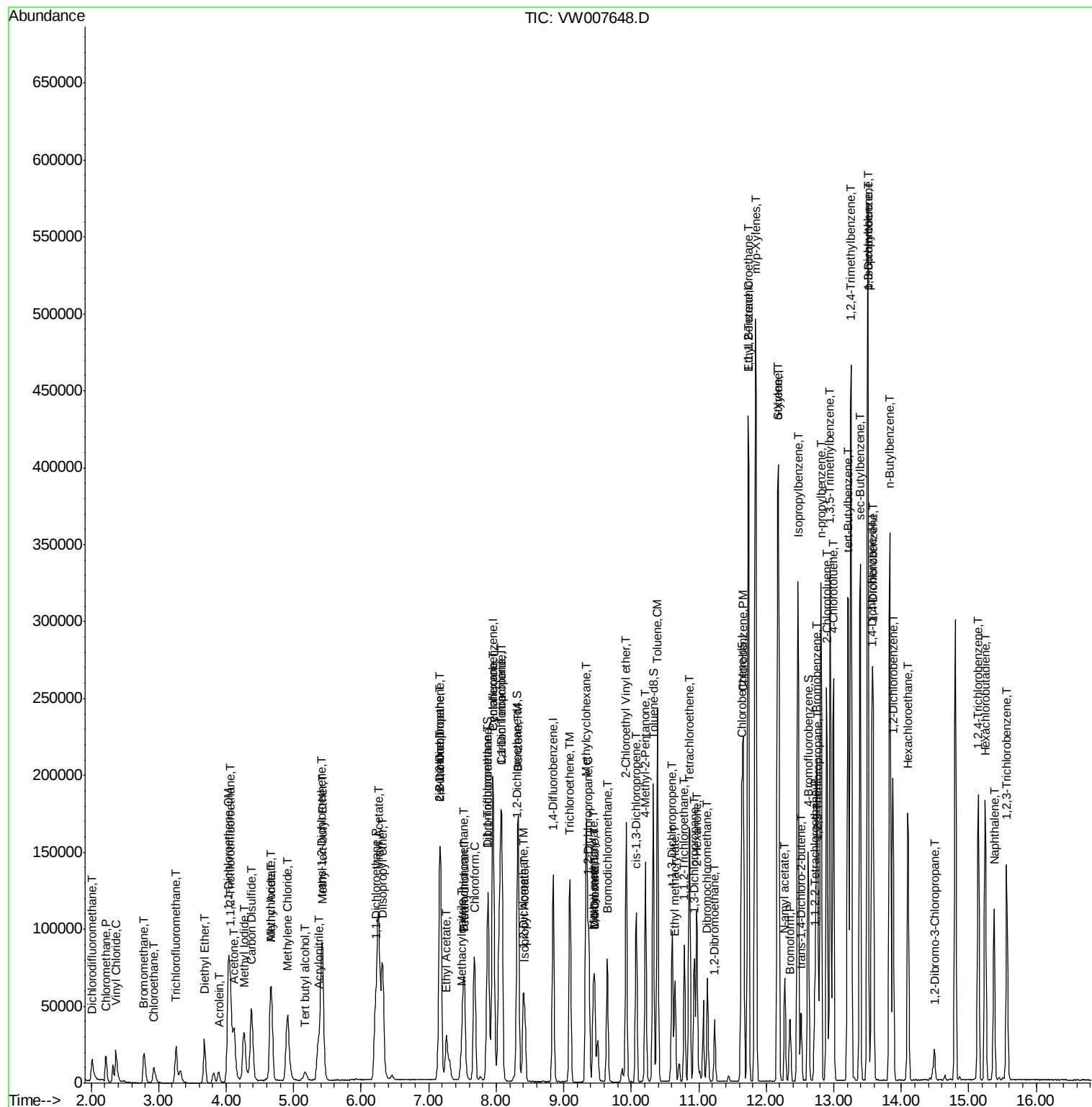
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	57164	54.504	ug/l	95
94) Hexachlorobutadiene	15.24	225	32275	57.998	ug/l	99
95) Naphthalene	15.38	128	99087	49.385	ug/l	99
96) 1,2,3-Trichlorobenzene	15.57	180	47930	52.608	ug/l	98

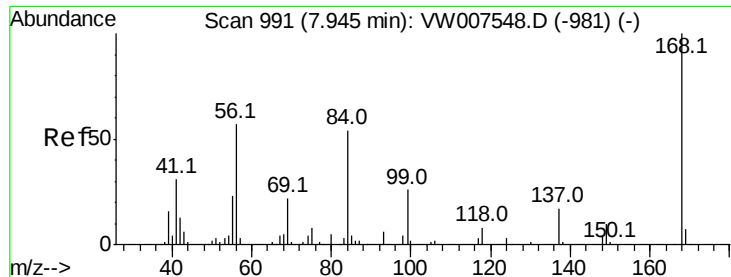
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW122018\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW007648.D

Acq: 18 Dec 2018 10:24

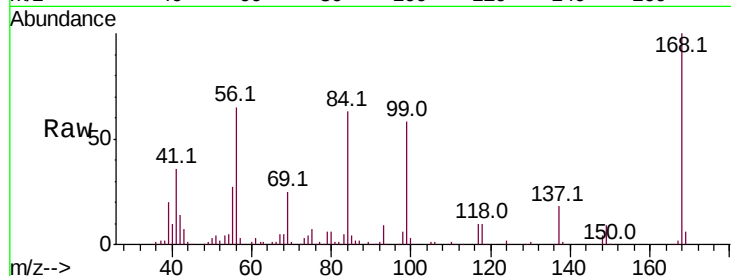
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:168 Resp: 71392

Ion Ratio Lower Upper

168 100

99 58.4 48.3 72.5



Abundance Ion 167.90 (167.60 to 168.60): VW007548.D (-981) (-)

Ion 98.90 (98.60 to 99.60): VW007548.D (-981) (-)

7.95

30000

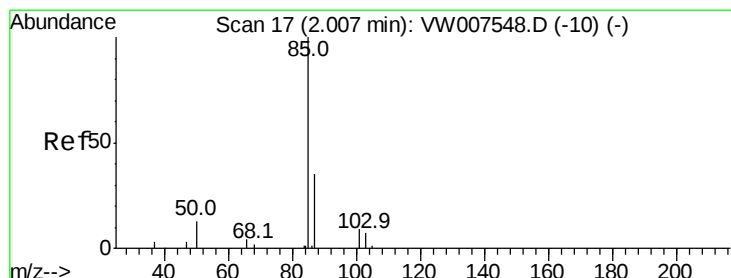
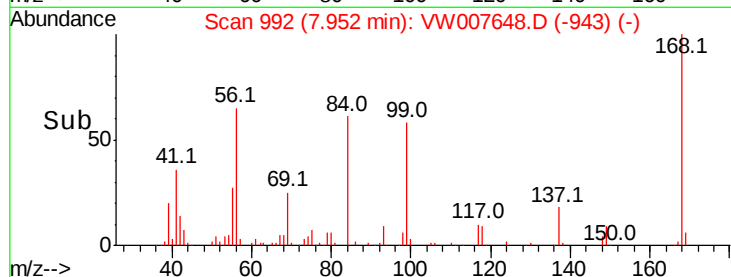
20000

10000

0

7.85 7.90 7.95 8.00 8.05

Time-->



#2

Dichlorodifluoromethane

Concen: 54.433 ug/l

RT: 2.01 min Scan# 18

Delta R.T. 0.01 min

Lab File: VW007648.D

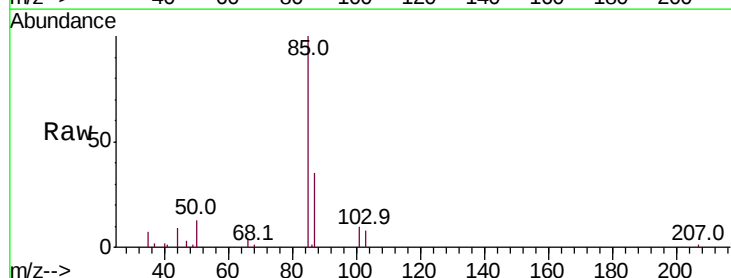
Acq: 18 Dec 2018 10:24

Tgt Ion: 85 Resp: 27156

Ion Ratio Lower Upper

85 100

87 35.3 16.6 49.7



Abundance Ion 84.90 (84.60 to 85.60): VW007548.D (-10) (-)

Ion 86.90 (86.60 to 87.60): VW007548.D (-10) (-)

2.01

8000

6000

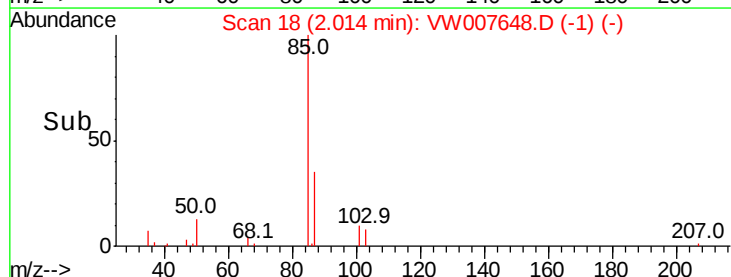
4000

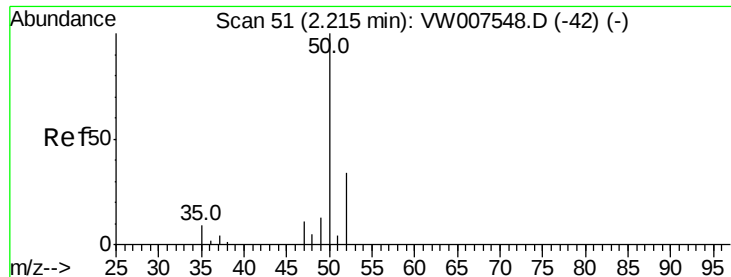
2000

0

1.90 2.00 2.10 2.20

Time-->





#3

Chloromethane

Concen: 42.202 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.01 min

Lab File: VW007648.D

Acq: 18 Dec 2018 10:24

Instrument :

MSVOA_W

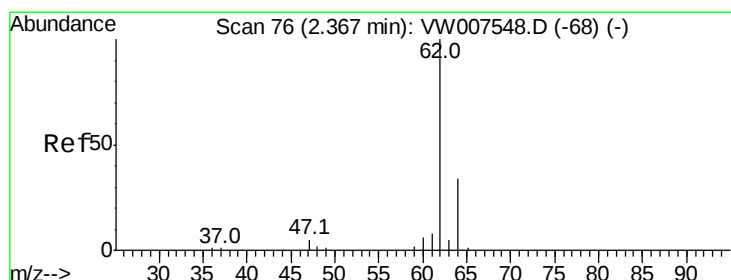
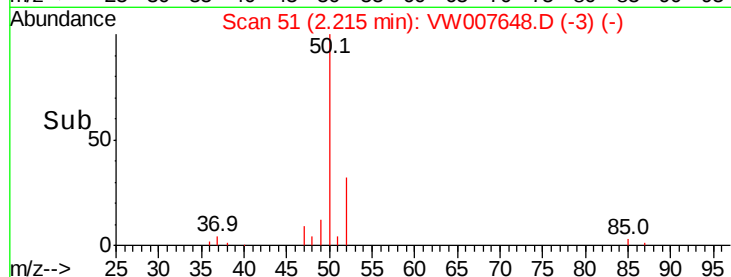
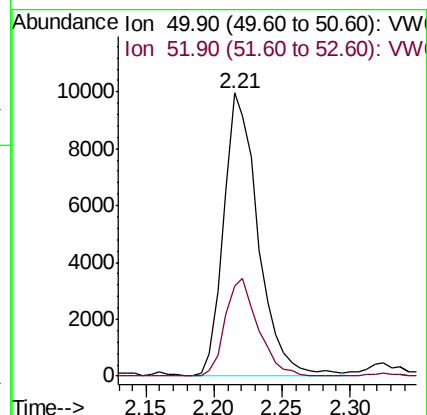
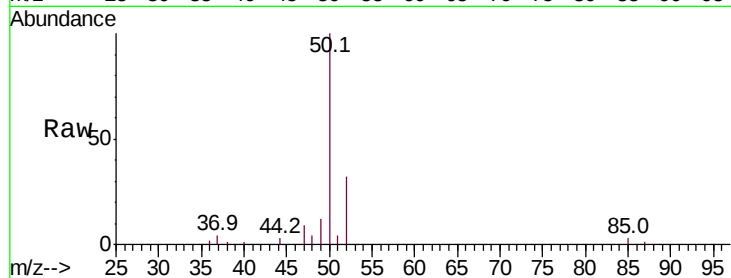
ClientSampled :

Tot Ion: 50 Resp: 17633

Ion Ratio Lower Upper

50 100

52 31.7 27.4 41.0



#4

Vinyl Chloride

Concen: 49.724 ug/l

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW007648.D

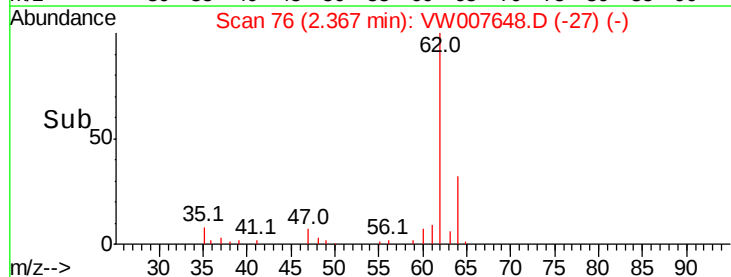
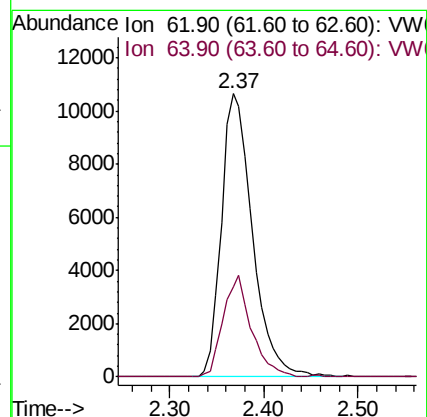
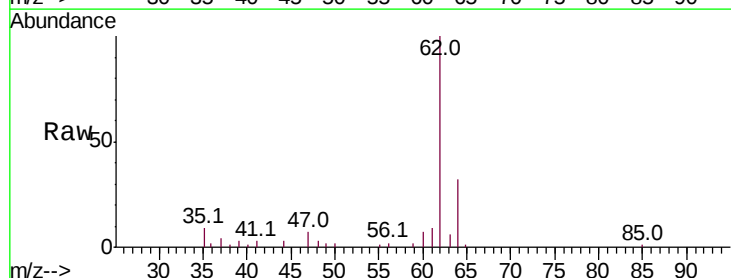
Acq: 18 Dec 2018 10:24

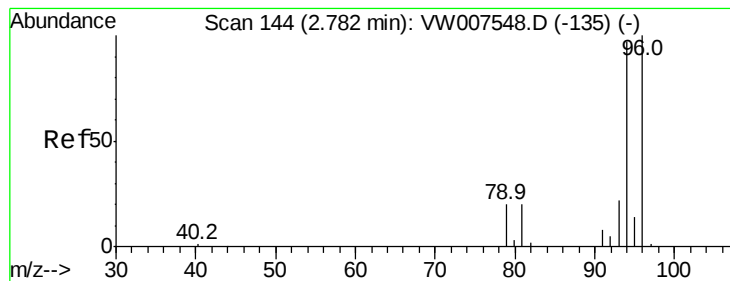
Tgt Ion: 62 Resp: 24381

Ion Ratio Lower Upper

62 100

64 31.7 24.6 37.0





#5

Bromomethane

Concen: 47.853 ug/l

RT: 2.78 min Scan# 144

Delta R.T. 0.01 min

Lab File: VW007648.D

Acq: 18 Dec 2018 10:24

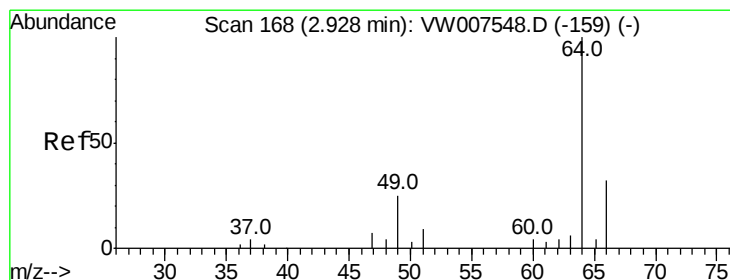
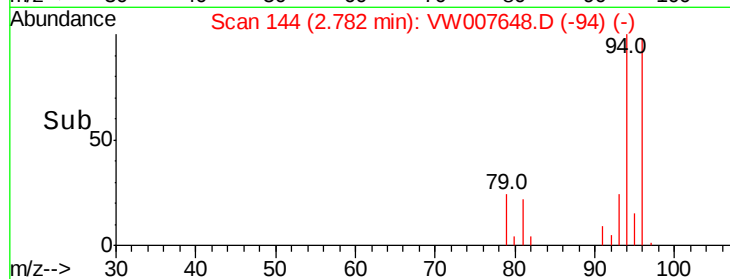
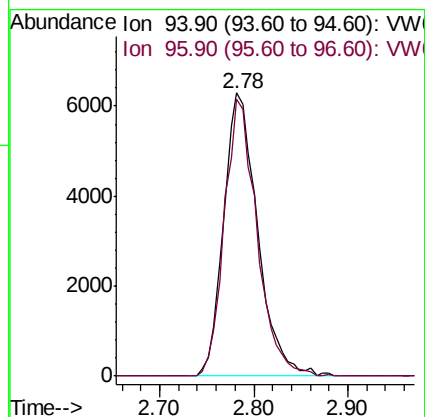
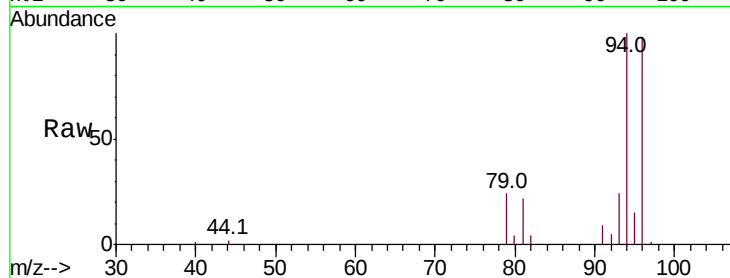
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 94 Resp: 15765

Ion Ratio Lower Upper

94 100

96 98.0 71.0 106.4



#6

Chloroethane

Concen: 47.675 ug/l

RT: 2.93 min Scan# 168

Delta R.T. 0.00 min

Lab File: VW007648.D

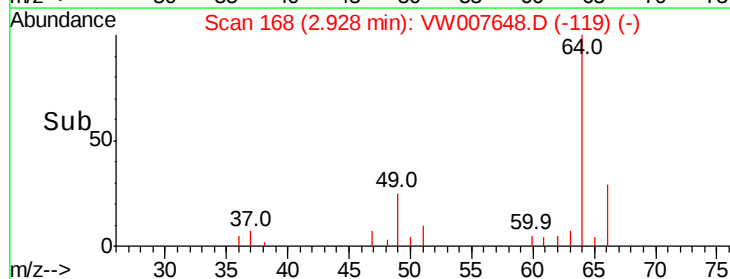
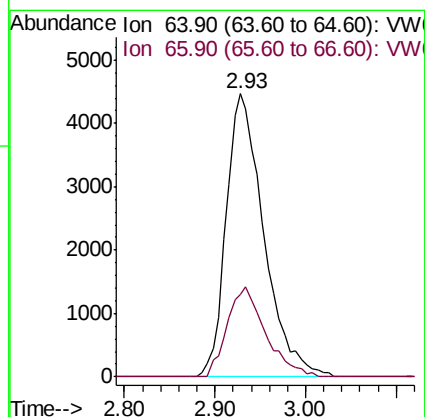
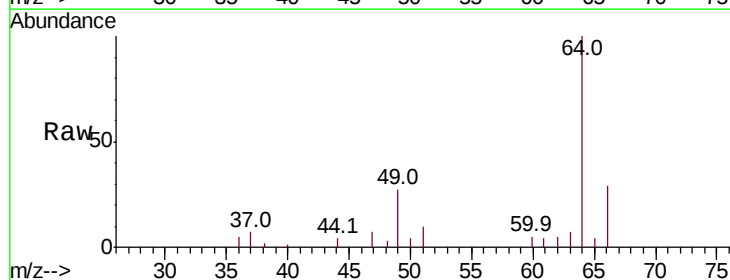
Acq: 18 Dec 2018 10:24

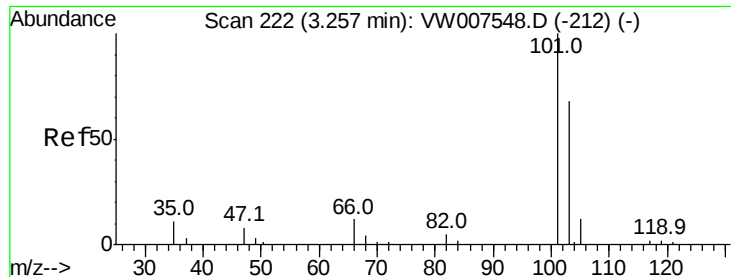
Tgt Ion: 64 Resp: 12868

Ion Ratio Lower Upper

64 100

66 29.1 24.6 37.0



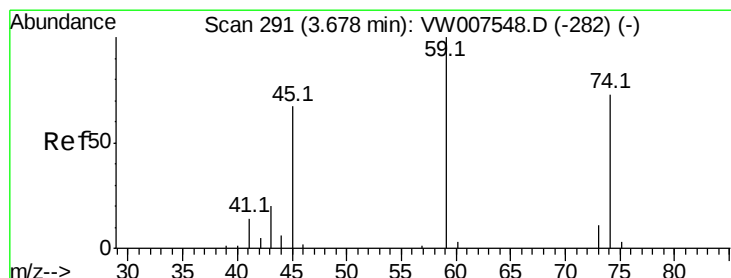
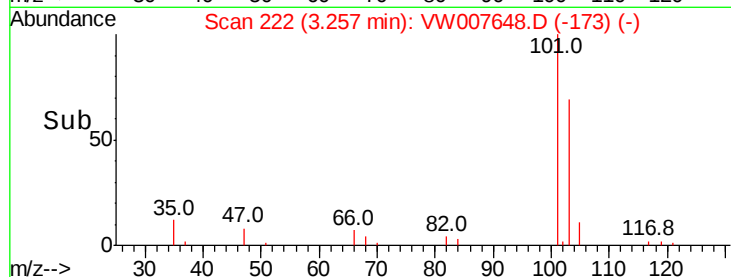
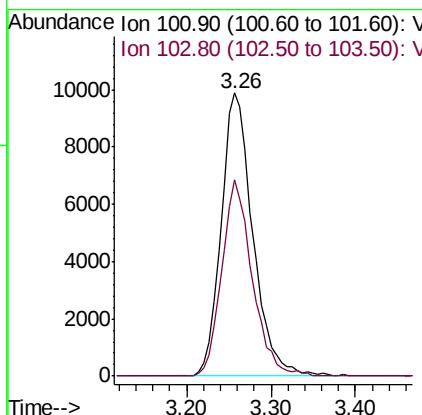
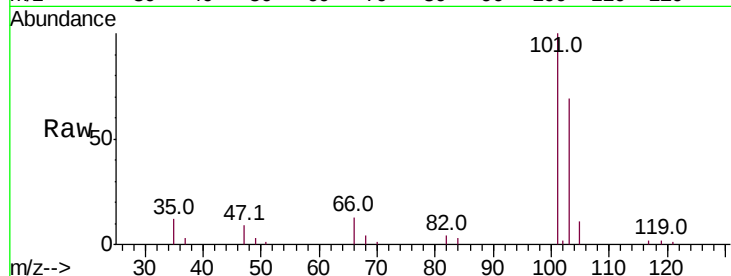


#7

Trichlorofluoromethane
Concen: 57.694 ug/l
RT: 3.26 min Scan# 222
Delta R.T. 0.00 min
Lab File: VW007648.D
Acq: 18 Dec 2018 10:24

Instrument :
MSVOA_W
ClientSampled :

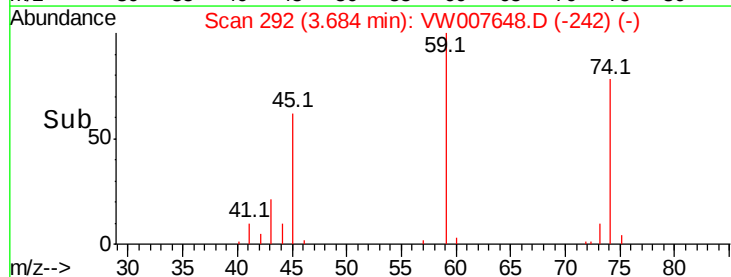
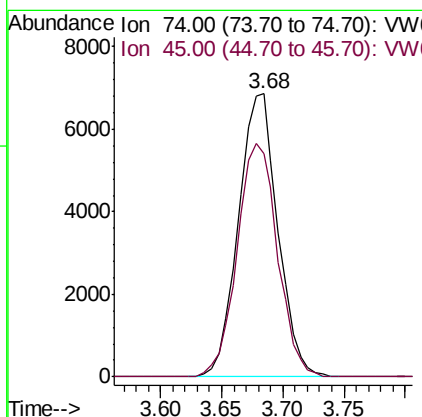
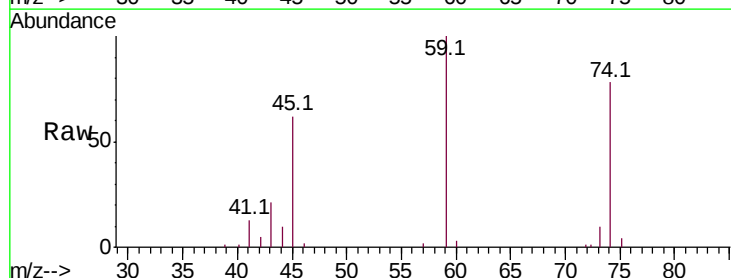
Tot Ion:101 Resp: 25433
Ion Ratio Lower Upper
101 100
103 69.3 51.7 77.5

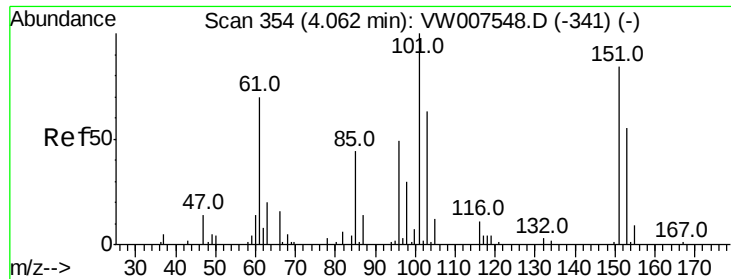


#8

Diethyl Ether
Concen: 44.443 ug/l
RT: 3.68 min Scan# 292
Delta R.T. 0.01 min
Lab File: VW007648.D
Acq: 18 Dec 2018 10:24

Tgt Ion: 74 Resp: 15334
Ion Ratio Lower Upper
74 100
45 84.5 43.0 129.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 55.249 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.01 min

Lab File: VW007648.D

Acq: 18 Dec 2018 10:24

Instrument :

MSVOA_W

ClientSampled :

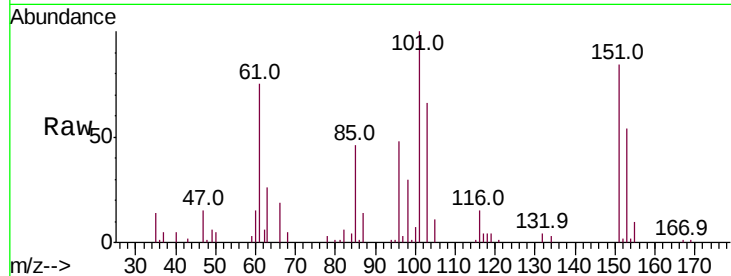
Tot Ion:101 Resp: 40187

Ion Ratio Lower Upper

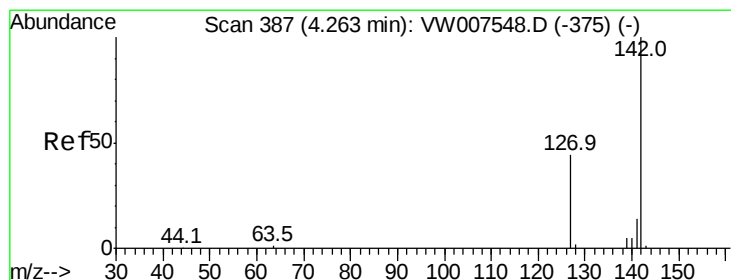
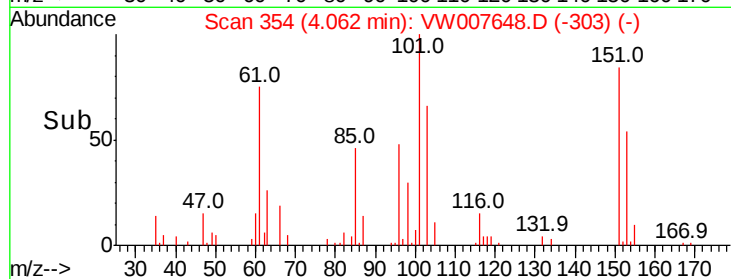
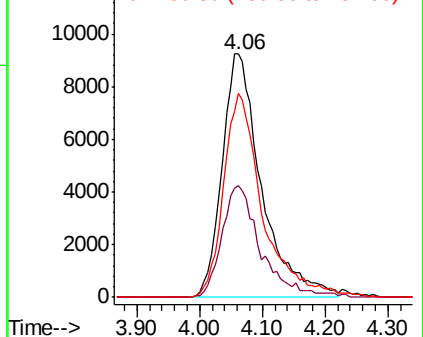
101 100

85 44.2 33.9 50.9

151 82.6 63.7 95.5



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



#10

Methyl Iodide

Concen: 51.038 ug/l

RT: 4.26 min Scan# 387

Delta R.T. 0.00 min

Lab File: VW007648.D

Acq: 18 Dec 2018 10:24

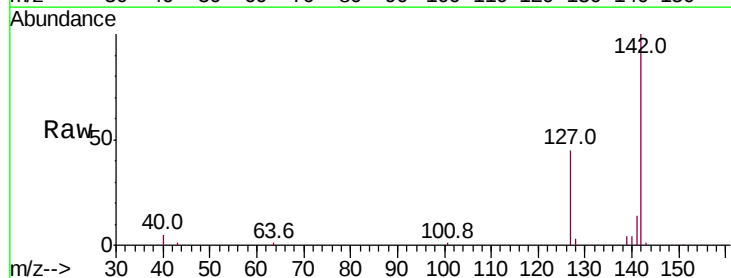
Tgt Ion:142 Resp: 61486

Ion Ratio Lower Upper

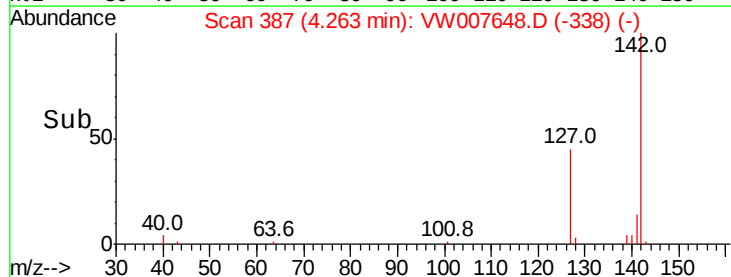
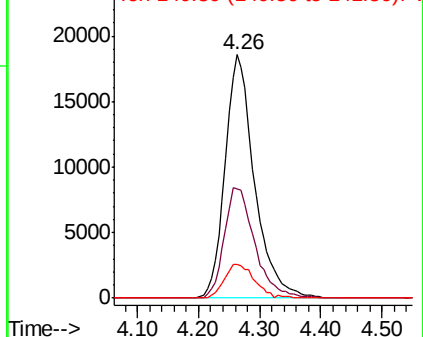
142 100

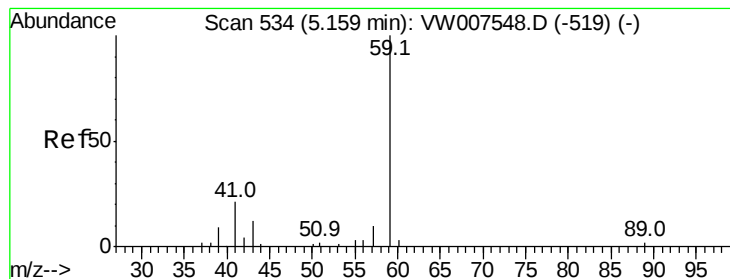
127 47.1 35.8 53.6

141 14.2 11.1 16.7



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



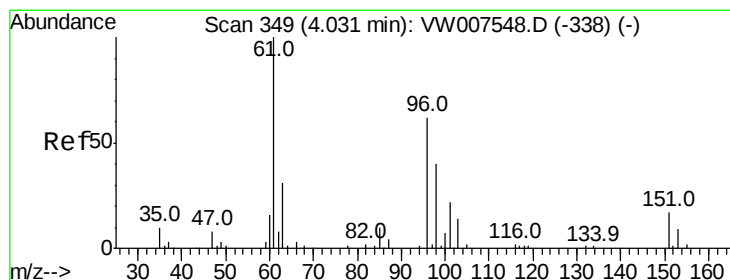
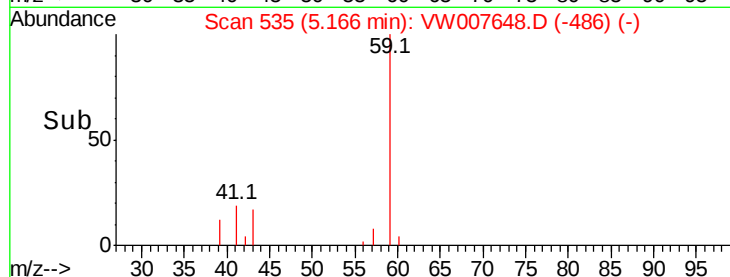
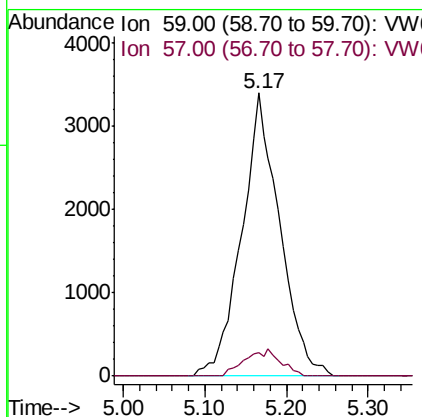
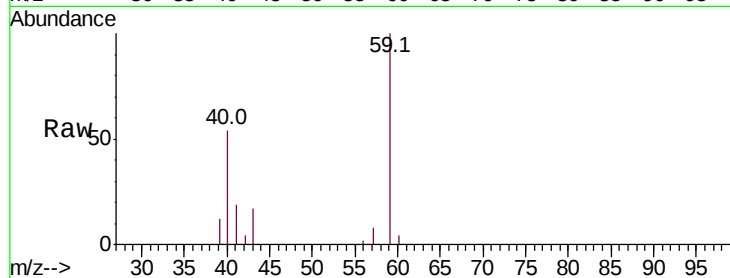


#11

Tert butyl alcohol
Concen: 201.650 ug/l
RT: 5.17 min Scan# 535
Delta R.T. 0.00 min
Lab File: VW007648.D
Acq: 18 Dec 2018 10:24

Instrument :
MSVOA_W
ClientSampleId :

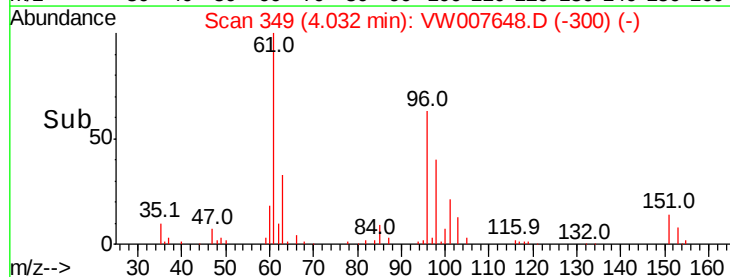
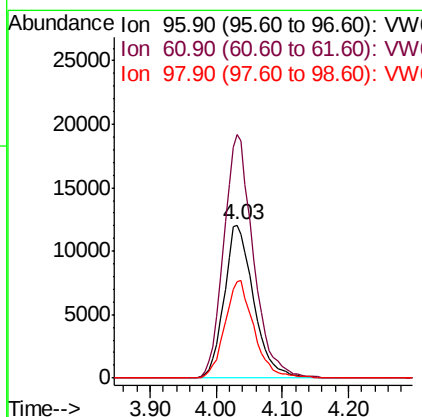
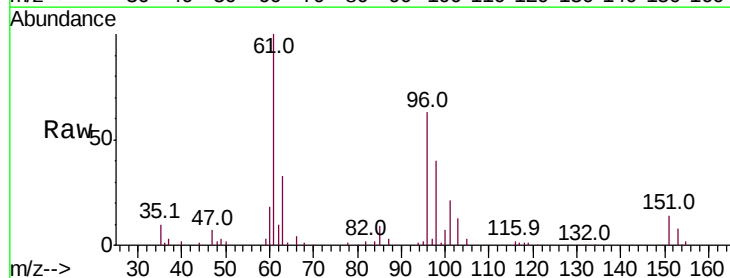
Tot Ion: 59 Resp: 10969
Ion Ratio Lower Upper
59 100
57 5.0 7.6 11.4#

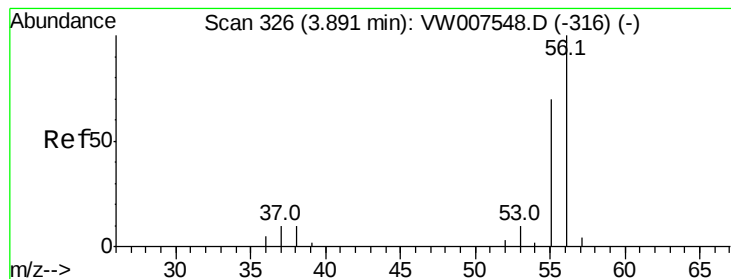


#12

1,1-Dichloroethene
Concen: 53.277 ug/l
RT: 4.03 min Scan# 349
Delta R.T. 0.00 min
Lab File: VW007648.D
Acq: 18 Dec 2018 10:24

Tgt Ion: 96 Resp: 37312
Ion Ratio Lower Upper
96 100
61 159.4 126.2 189.2
98 63.0 48.3 72.5





#13

Acrolein

Concen: 227.791 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.00 min

Lab File: VW007648.D

Acq: 18 Dec 2018 10:24

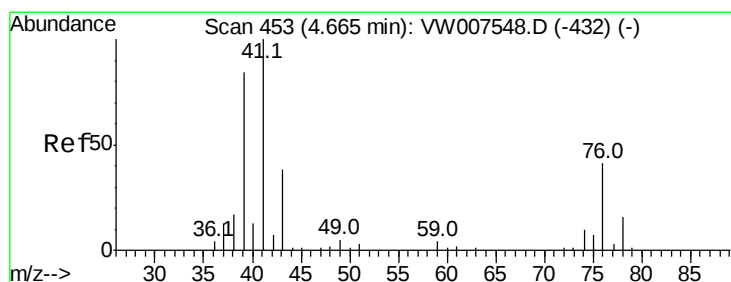
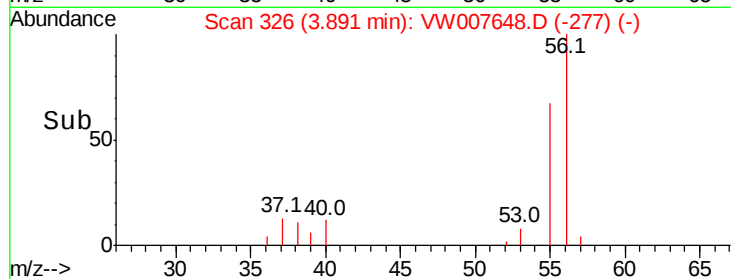
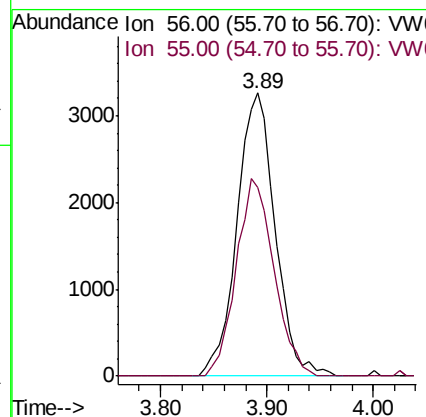
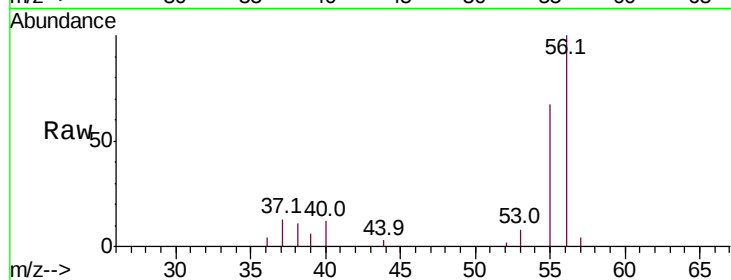
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 56 Resp: 8199

Ion Ratio Lower Upper

56 100

55 69.1 57.4 86.2



#14

Allyl chloride

Concen: 48.210 ug/l

RT: 4.66 min Scan# 452

Delta R.T. 0.00 min

Lab File: VW007648.D

Acq: 18 Dec 2018 10:24

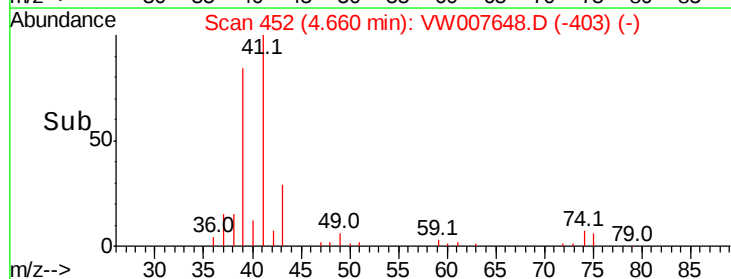
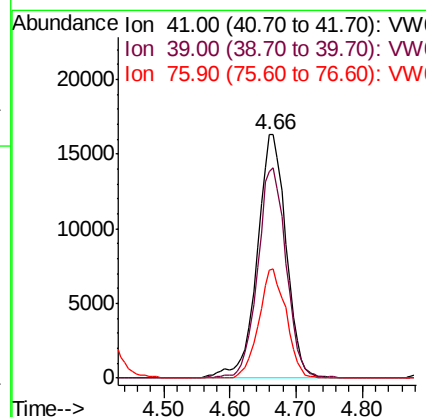
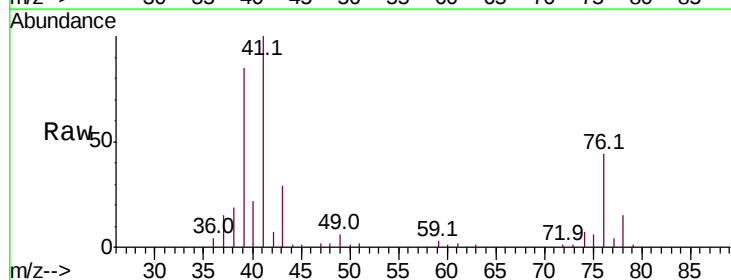
Tgt Ion: 41 Resp: 49768

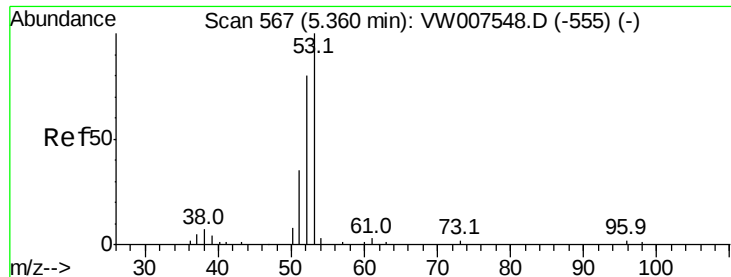
Ion Ratio Lower Upper

41 100

39 84.9 63.4 95.2

76 42.1 32.1 48.1





#15

Acrylonitrile

Concen: 215.814 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.00 min

Lab File: VW007648.D

Acq: 18 Dec 2018 10:24

Instrument :

MSVOA_W

ClientSampleId :

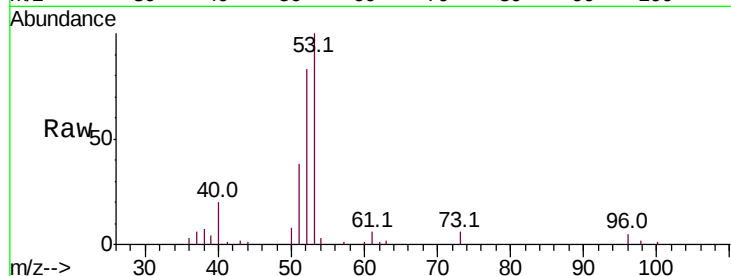
Tot Ion: 53 Resp: 31390

Ion Ratio Lower Upper

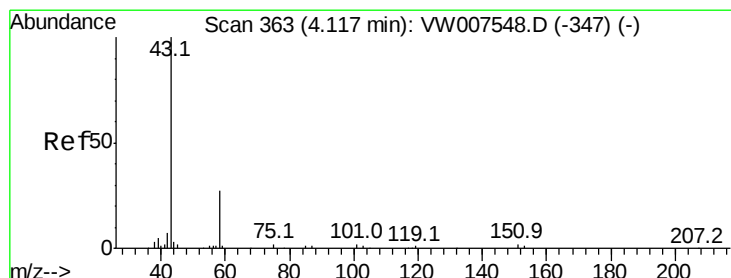
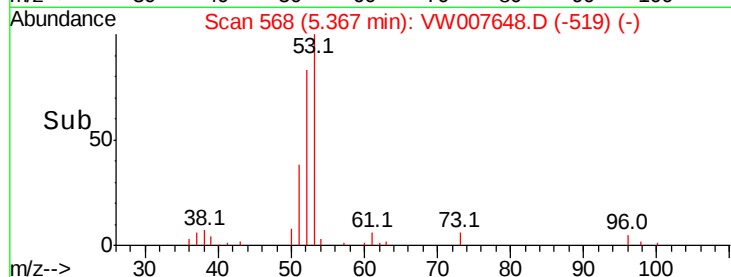
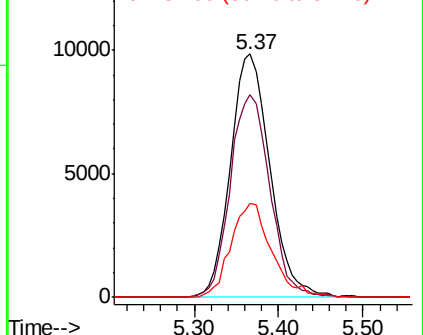
53 100

52 83.3 67.4 101.2

51 39.8 30.2 45.2



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: 286.623 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW007648.D

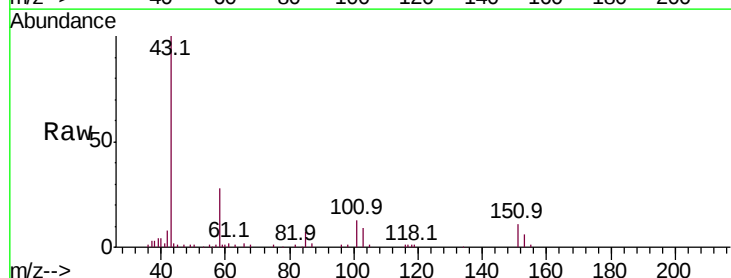
Acq: 18 Dec 2018 10:24

Tgt Ion: 43 Resp: 39653

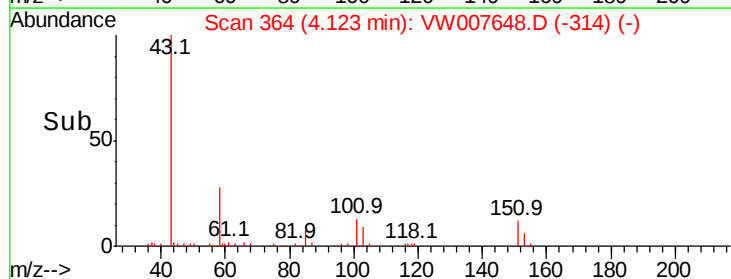
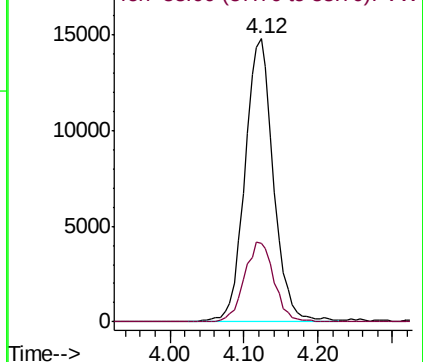
Ion Ratio Lower Upper

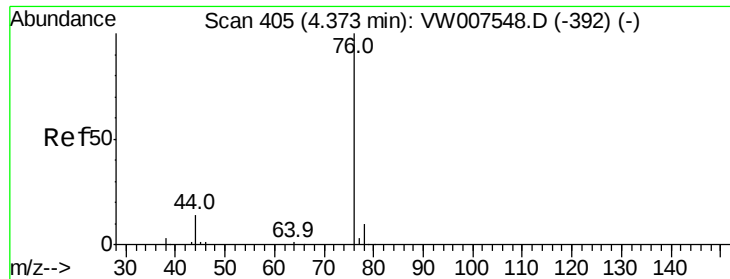
43 100

58 27.6 24.9 37.3



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

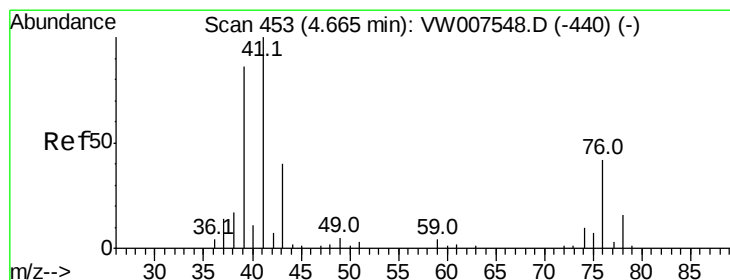
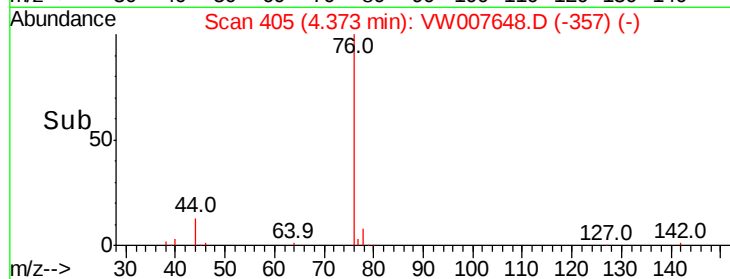
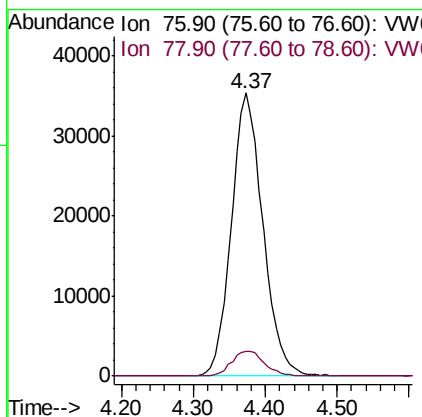
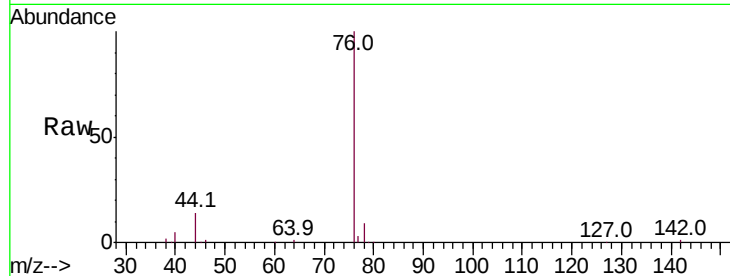




#17
Carbon Disulfide
Concen: 50.530 ug/l
RT: 4.37 min Scan# 405
Delta R.T. -0.01 min
Lab File: VW007648.D
Acq: 18 Dec 2018 10:24

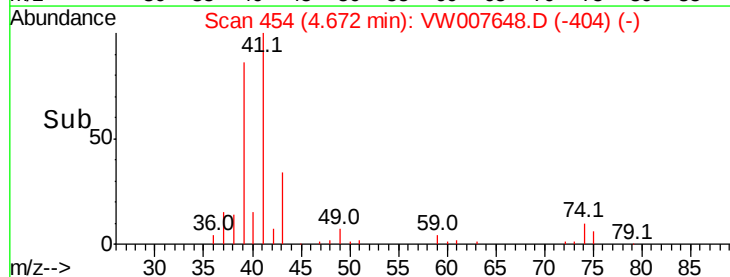
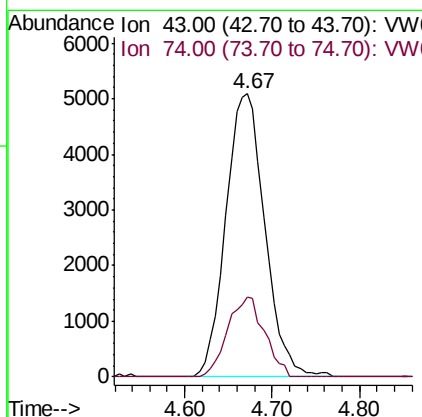
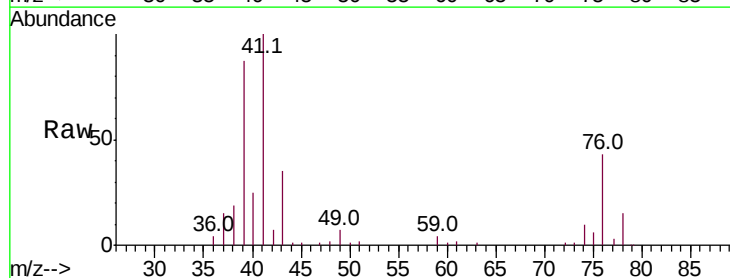
Instrument :
MSVOA_W
ClientSampleId :

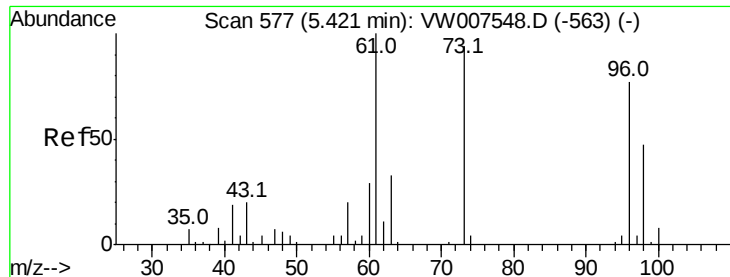
Tot Ion: 76 Resp: 107299
Ion Ratio Lower Upper
76 100
78 8.9 7.1 10.7



#18
Methyl Acetate
Concen: 41.999 ug/l
RT: 4.67 min Scan# 454
Delta R.T. 0.01 min
Lab File: VW007648.D
Acq: 18 Dec 2018 10:24

Tgt Ion: 43 Resp: 15770
Ion Ratio Lower Upper
43 100
74 26.6 21.1 31.7

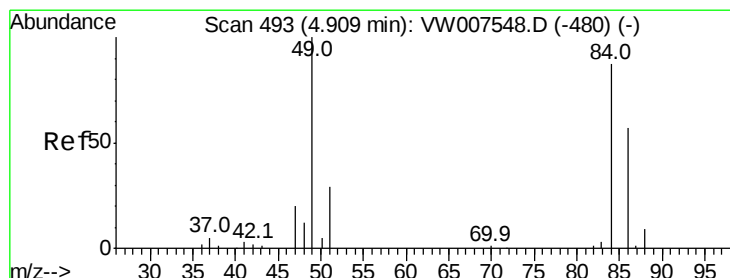
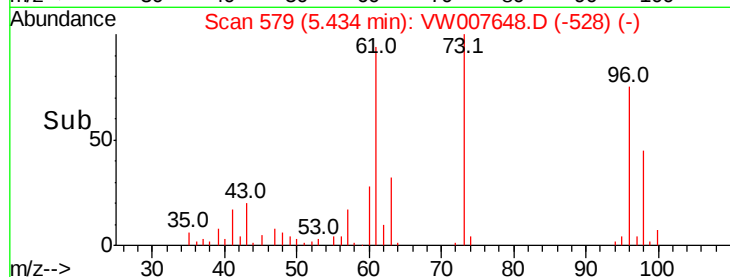
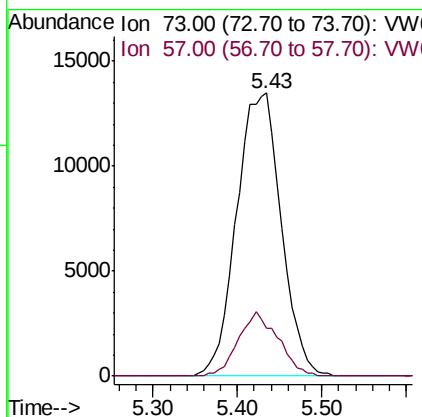
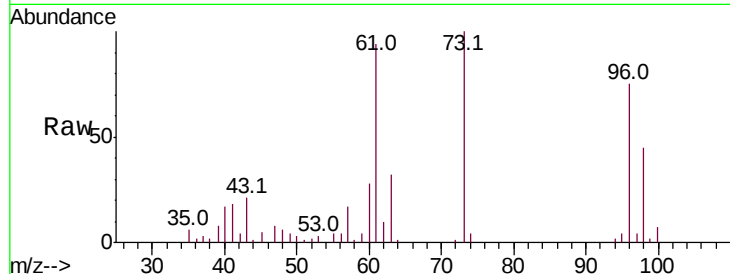




#19
Methvl tert-butvl Ether
Concen: 45.905 ug/l
RT: 5.43 min Scan# 579
Delta R.T. 0.01 min
Lab File: VW007648.D
Acq: 18 Dec 2018 10:24

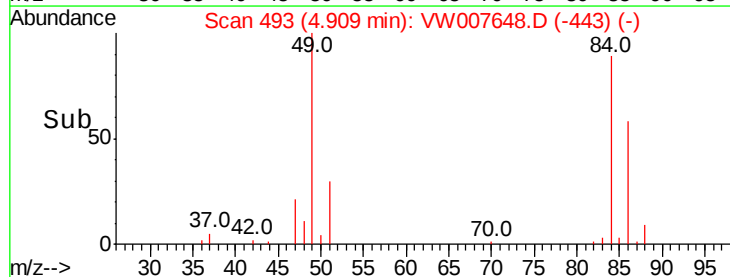
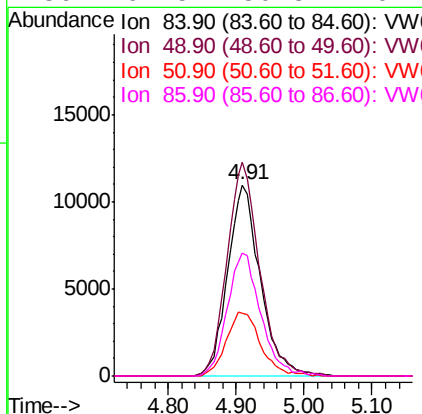
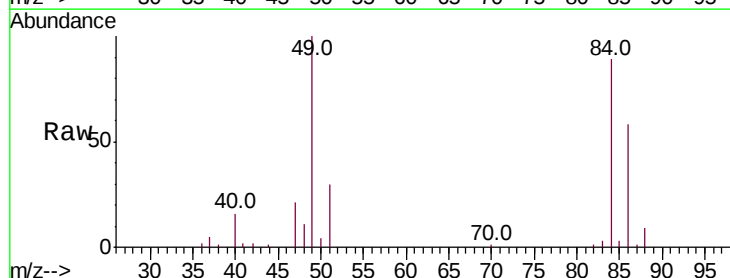
Instrument :
MSVOA_W
ClientSampleId :

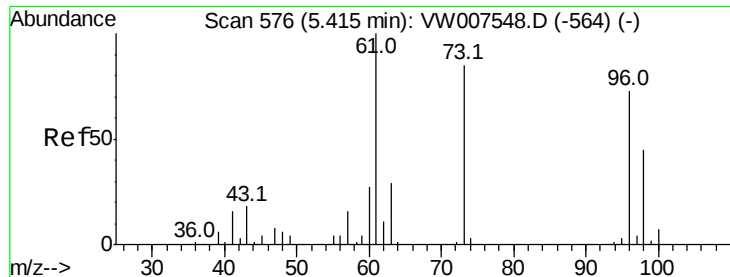
Tot Ion: 73 Resp: 48499
Ion Ratio Lower Upper
73 100
57 17.1 16.4 24.6



#20
Methylene Chloride
Concen: 47.903 ug/l
RT: 4.91 min Scan# 493
Delta R.T. 0.01 min
Lab File: VW007648.D
Acq: 18 Dec 2018 10:24

Tgt Ion: 84 Resp: 36365
Ion Ratio Lower Upper
84 100
49 111.8 87.1 130.7
51 33.0 28.2 42.2
86 64.5 50.8 76.2





#21

trans-1,2-Dichloroethene

Concen: 50.958 ug/l

RT: 5.42 min Scan# 576

Delta R.T. 0.00 min

Lab File: VW007648.D

Acq: 18 Dec 2018 10:24

Instrument :
MSVOA_W
ClientSampled :

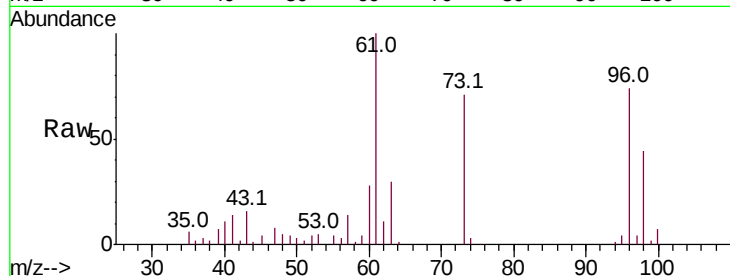
Tot Ion: 96 Resp: 39922

Ion Ratio Lower Upper

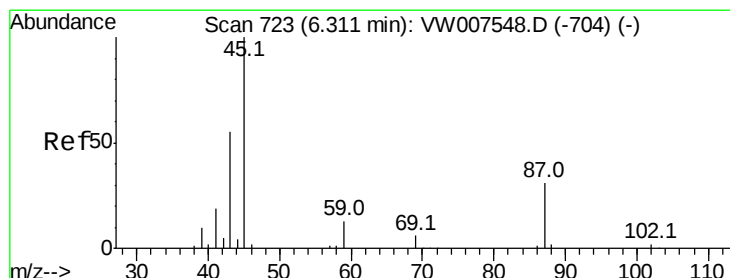
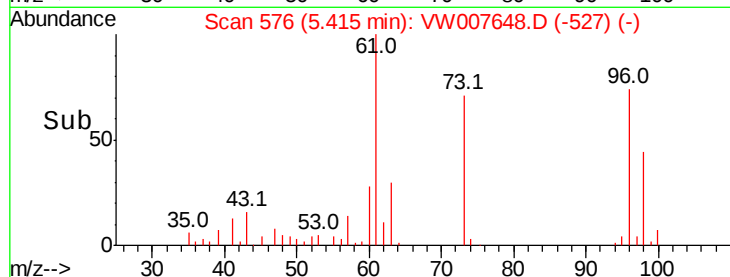
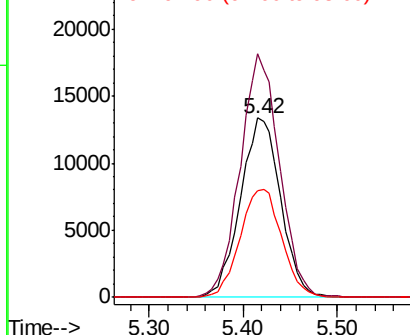
96 100

61 135.7 105.0 157.6

98 59.4 49.7 74.5



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



#22

Diisopropyl ether

Concen: 46.887 ug/l

RT: 6.31 min Scan# 723

Delta R.T. 0.00 min

Lab File: VW007648.D

Acq: 18 Dec 2018 10:24

Tgt Ion: 45 Resp: 93035

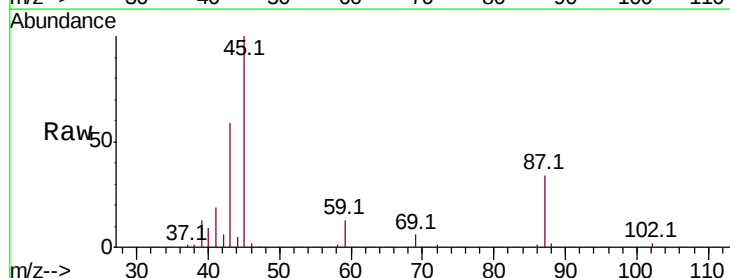
Ion Ratio Lower Upper

45 100

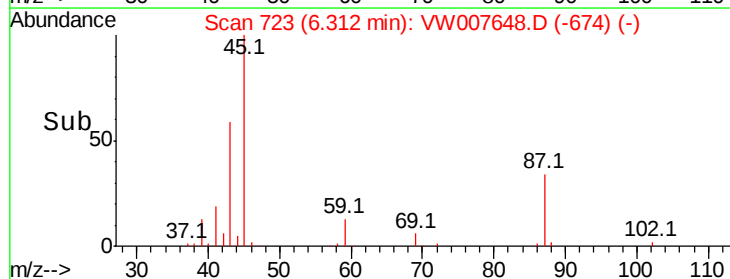
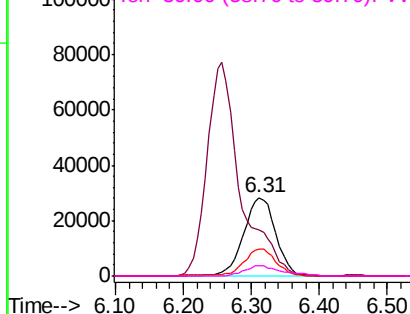
43 58.2 41.6 62.4

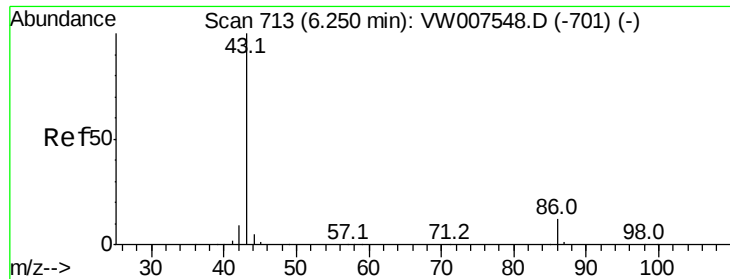
87 34.2 24.3 36.5

59 13.3 9.4 14.0



Abundance Ion 45.00 (44.70 to 45.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 87.00 (86.70 to 87.70): VW
Ion 59.00 (58.70 to 59.70): VW





#23

Vinyl Acetate

Concen: 236.845 ug/l

RT: 6.26 min Scan# 714

Delta R.T. 0.01 min

Lab File: VW007648.D

Acq: 18 Dec 2018 10:24

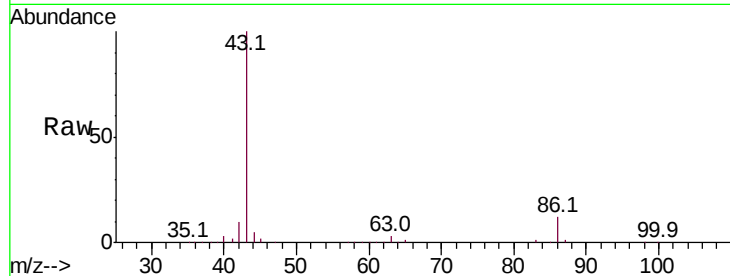
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 262864

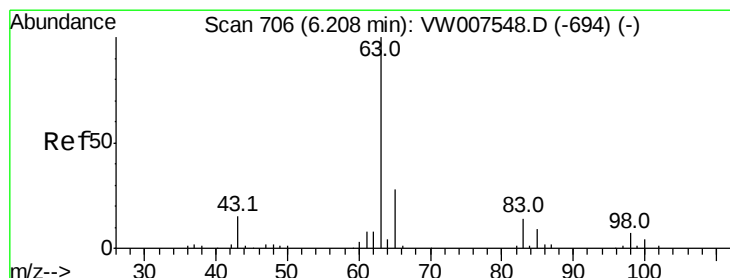
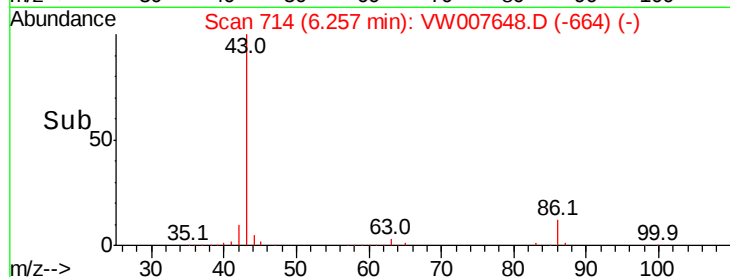
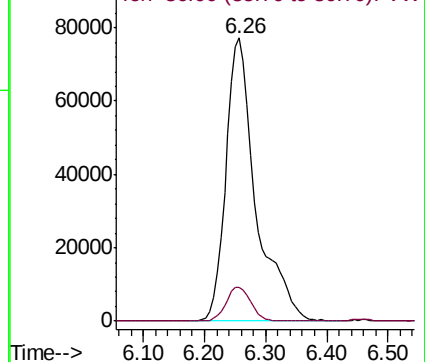
Ion Ratio Lower Upper

43 100

86 12.1 8.6 12.8



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 50.348 ug/l

RT: 6.21 min Scan# 707

Delta R.T. 0.00 min

Lab File: VW007648.D

Acq: 18 Dec 2018 10:24

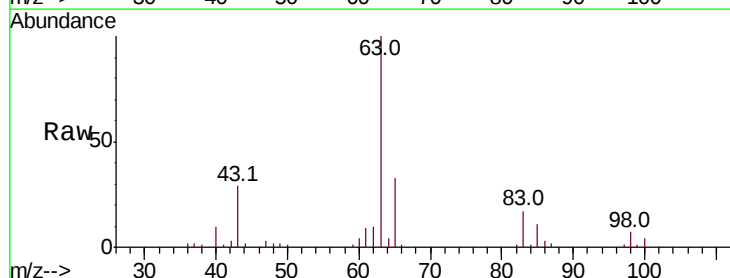
Tgt Ion: 63 Resp: 67520

Ion Ratio Lower Upper

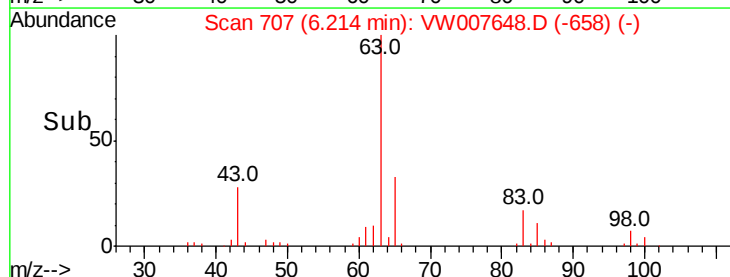
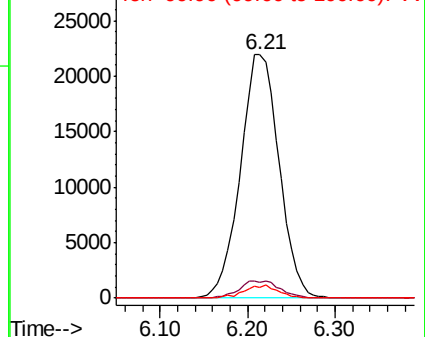
63 100

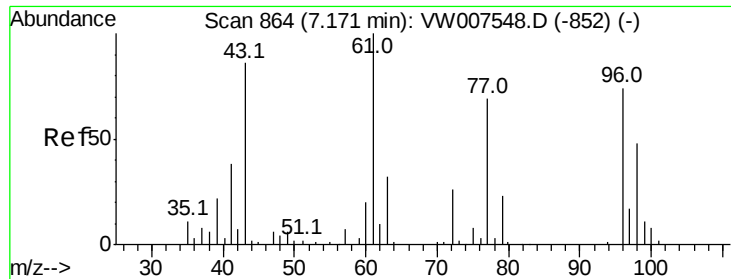
98 6.7 3.5 10.4

100 4.3 2.5 7.5



Abundance Ion 62.90 (62.60 to 63.60): VW
Ion 97.90 (97.60 to 98.60): VW
Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 235.701 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW007648.D

Acq: 18 Dec 2018 10:24

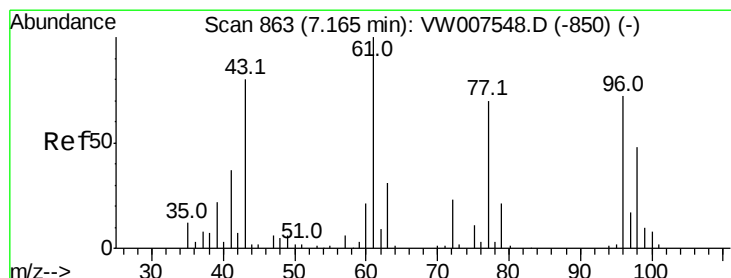
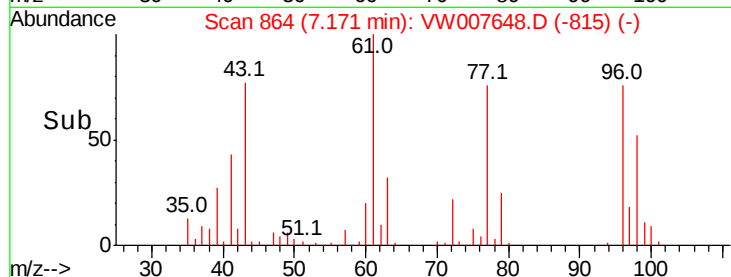
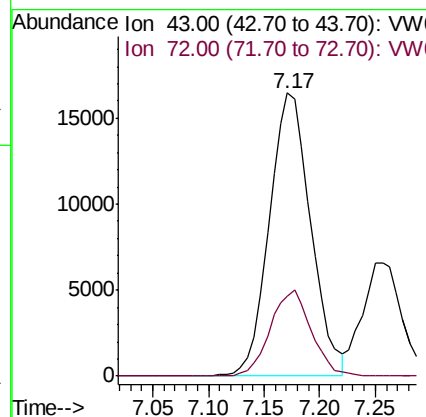
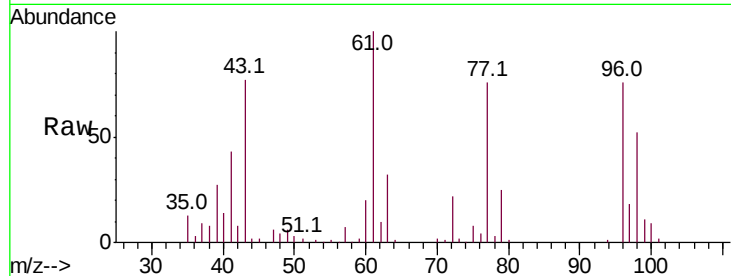
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 42570

Ion Ratio Lower Upper

43 100

72 28.4 23.4 35.2



#26

2,2-Dichloropropane

Concen: 57.054 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW007648.D

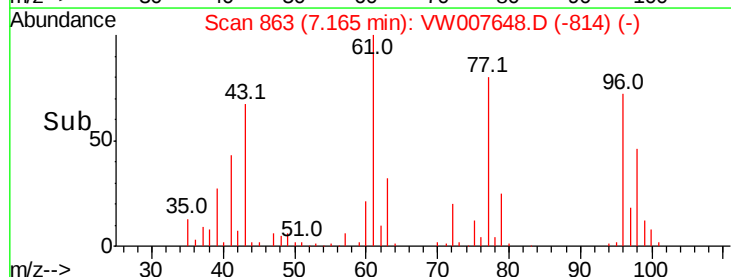
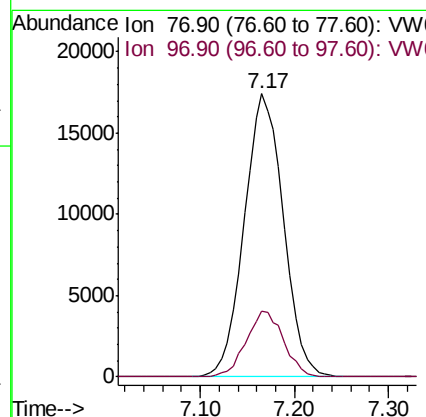
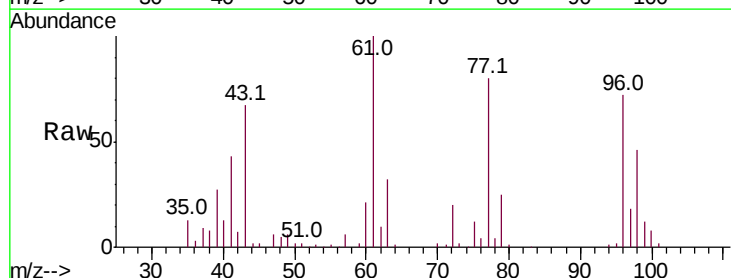
Acq: 18 Dec 2018 10:24

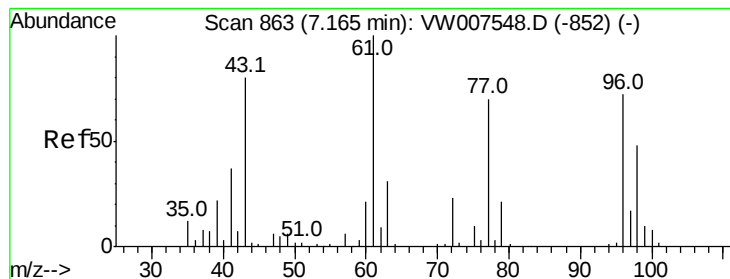
Tgt Ion: 77 Resp: 50638

Ion Ratio Lower Upper

77 100

97 22.0 11.6 34.8



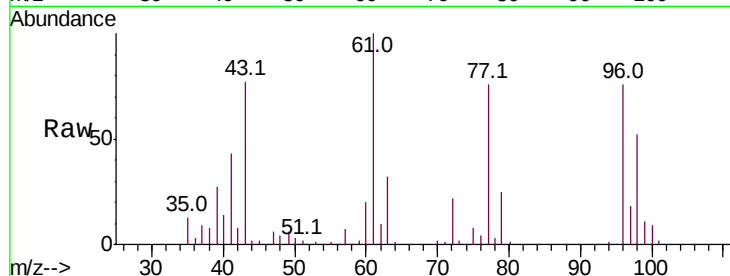


#27

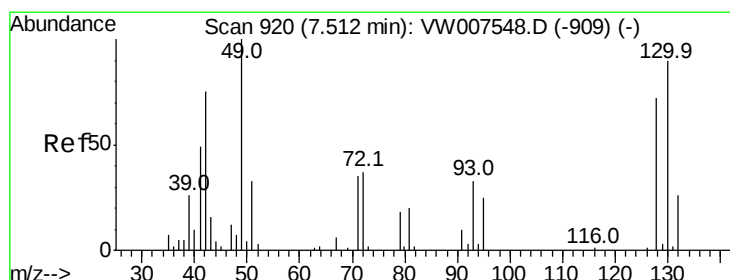
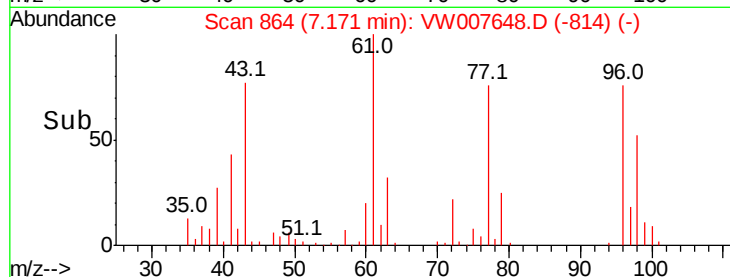
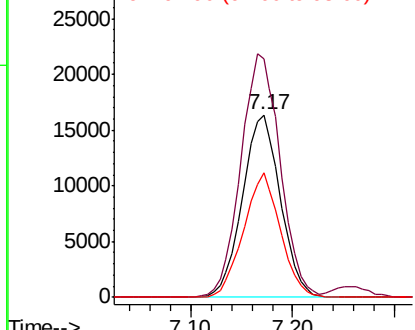
cis-1,2-Dichloroethene
Concen: 49.391 ug/l
RT: 7.17 min Scan# 864
Delta R.T. 0.01 min
Lab File: VW007648.D
Acq: 18 Dec 2018 10:24

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 96 Resp: 42369
Ion Ratio Lower Upper
96 100
61 138.3 0.0 268.4
98 65.9 0.0 127.8



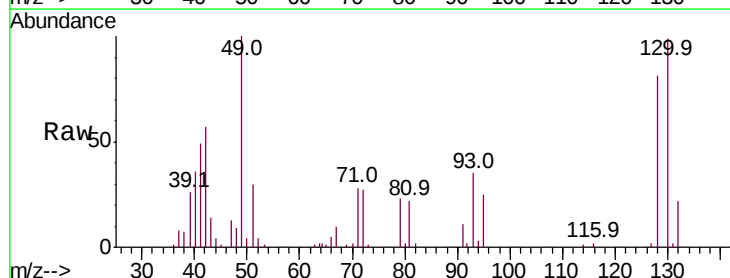
Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



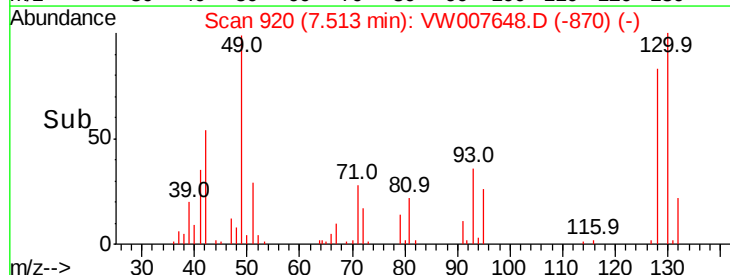
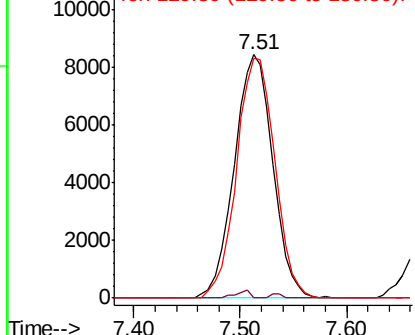
#28

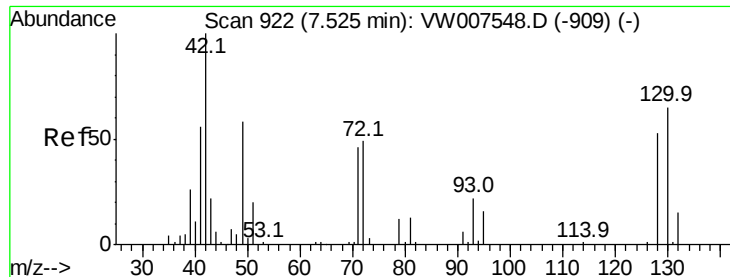
Bromochloromethane
Concen: 42.499 ug/l
RT: 7.51 min Scan# 920
Delta R.T. 0.01 min
Lab File: VW007648.D
Acq: 18 Dec 2018 10:24

Tgt Ion: 49 Resp: 21438
Ion Ratio Lower Upper
49 100
129 1.2 0.0 2.6
130 97.9 75.9 113.9



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: 205.128 ug/l

RT: 7.53 min Scan# 923

Delta R.T. 0.00 min

Lab File: VW007648.D

Acq: 18 Dec 2018 10:24

Instrument :

MSVOA_W

ClientSampled :

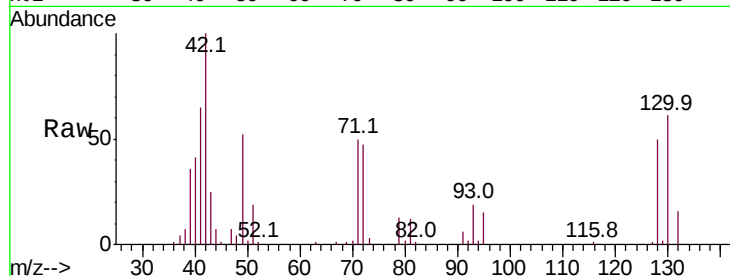
Tot Ion: 42 Resp: 23454

Ion Ratio Lower Upper

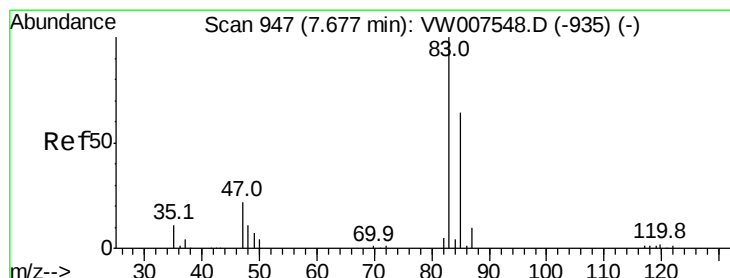
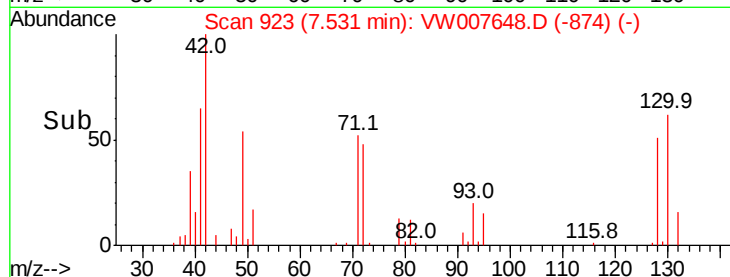
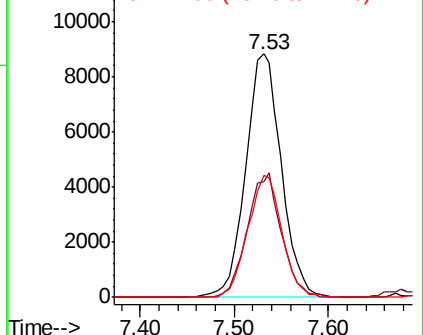
42 100

72 48.5 38.2 57.4

71 48.0 35.5 53.3



Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW



#30

Chloroform

Concen: 50.915 ug/l

RT: 7.68 min Scan# 947

Delta R.T. 0.01 min

Lab File: VW007648.D

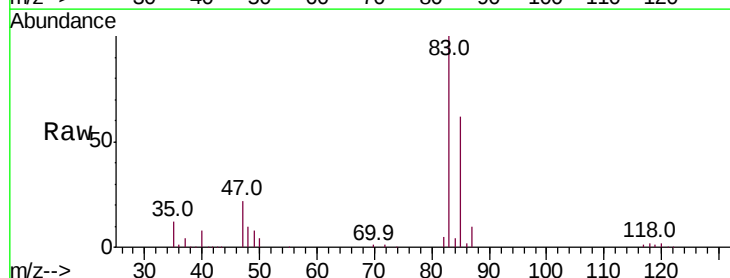
Acq: 18 Dec 2018 10:24

Tgt Ion: 83 Resp: 74305

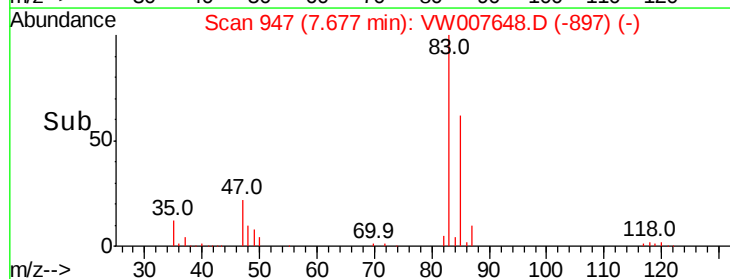
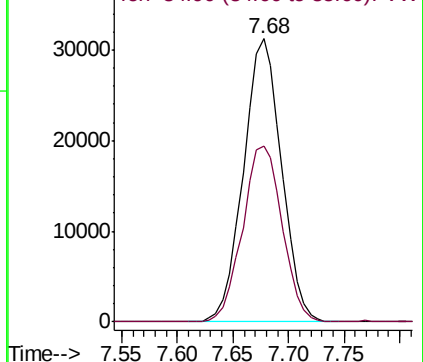
Ion Ratio Lower Upper

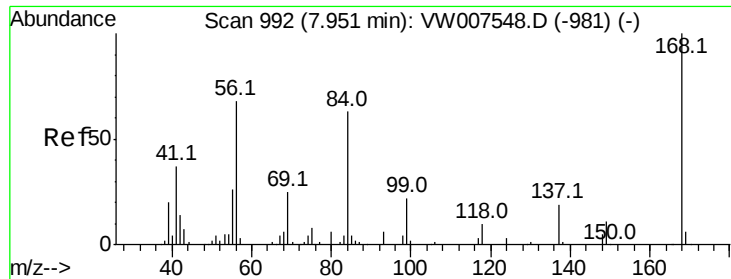
83 100

85 62.2 51.8 77.8



Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 84.90 (84.60 to 85.60): VW

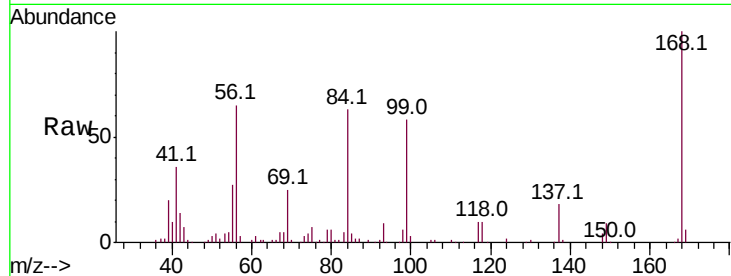




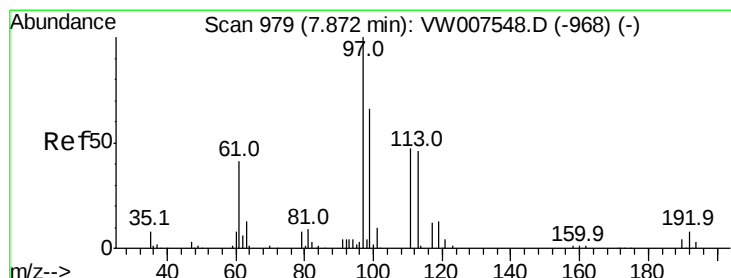
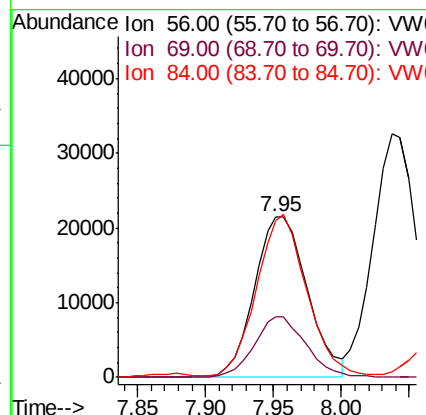
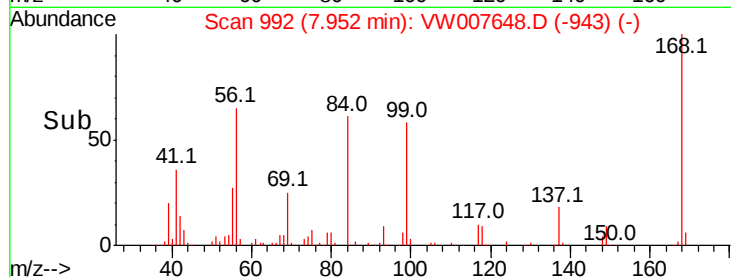
#31
Cyclohexane
Concen: 47.587 ug/l
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW007648.D
Acq: 18 Dec 2018 10:24

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 56 Resp: 58552
Ion Ratio Lower Upper
56 100
69 38.1 28.9 43.3
84 95.6 71.8 107.6

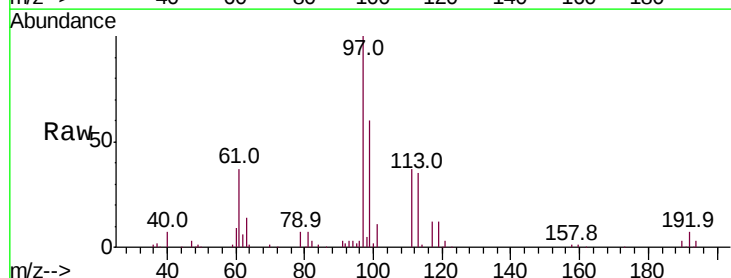


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

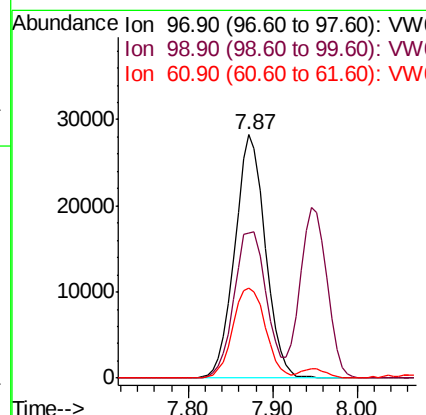
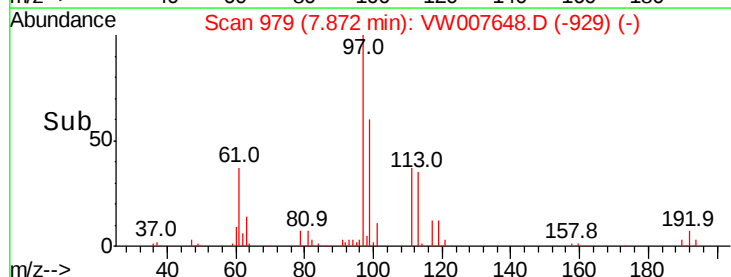


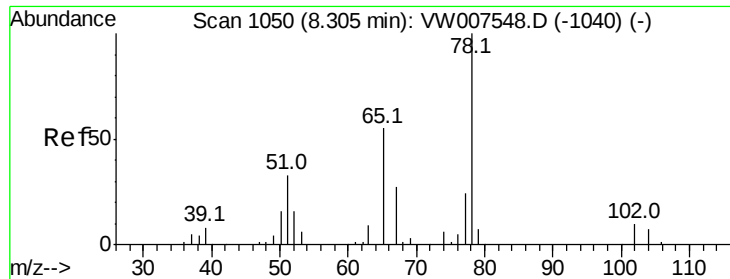
#32
1,1,1-Trichloroethane
Concen: 54.165 ug/l
RT: 7.87 min Scan# 979
Delta R.T. 0.01 min
Lab File: VW007648.D
Acq: 18 Dec 2018 10:24

Tgt Ion: 97 Resp: 69321
Ion Ratio Lower Upper
97 100
99 63.5 51.1 76.7
61 39.7 33.2 49.8



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

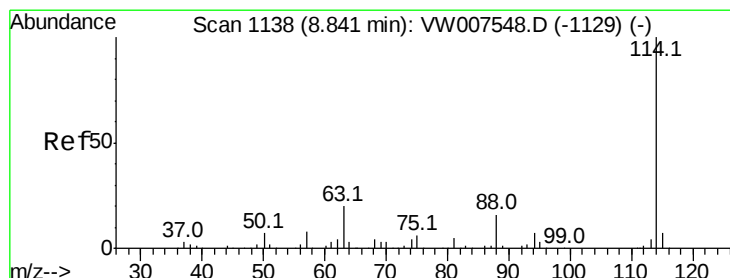
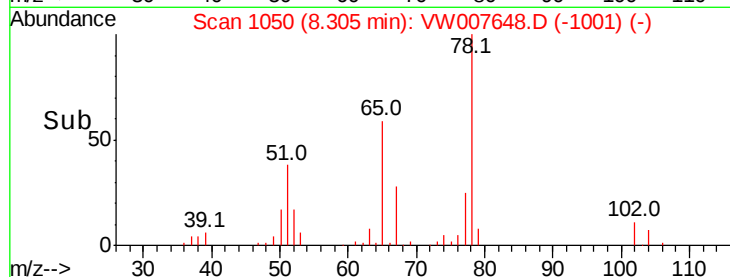
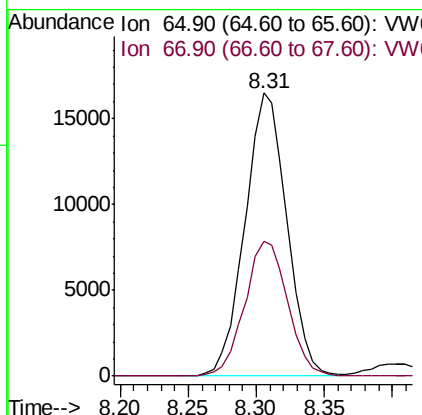
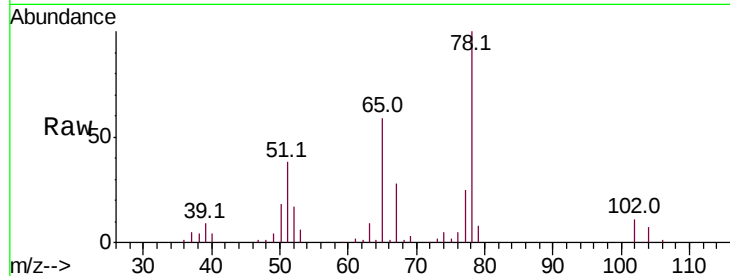




#33
 1,2-Dichloroethane-d4
 Concen: 44.814 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW007648.D
 Acq: 18 Dec 2018 10:24

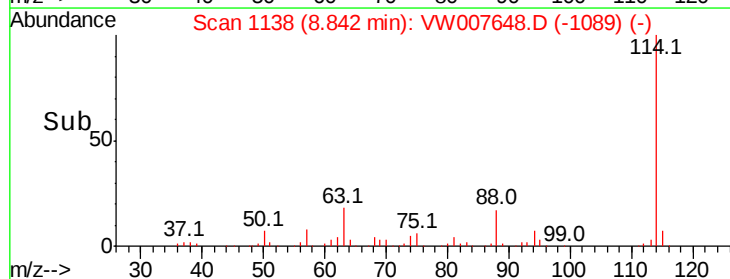
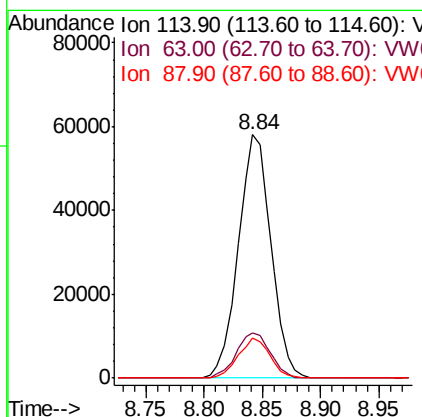
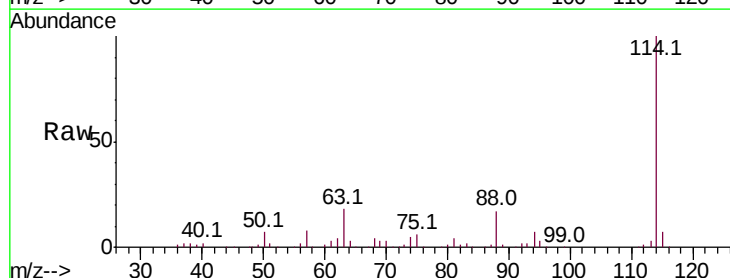
Instrument :
 MSVOA_W
 ClientSampleId :

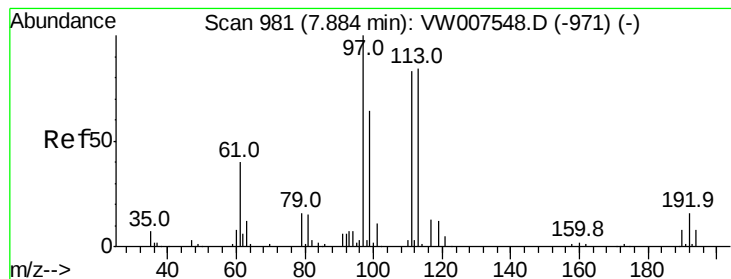
Tot Ion: 65 Resp: 35494
 Ion Ratio Lower Upper
 65 100
 67 48.6 0.0 101.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW007648.D
 Acq: 18 Dec 2018 10:24

Tgt Ion:114 Resp: 113290
 Ion Ratio Lower Upper
 114 100
 63 18.4 0.0 39.6
 88 16.5 0.0 31.4





#35

Dibromofluoromethane

Concen: 48.836 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW007648.D

Acq: 18 Dec 2018 10:24

Instrument :
MSVOA_W
ClientSampled :

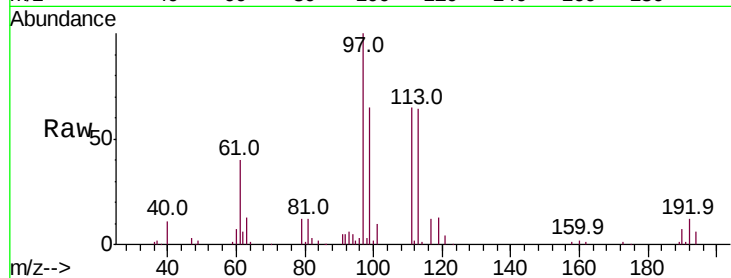
Tot Ion:113 Resp: 33491

Ion Ratio Lower Upper

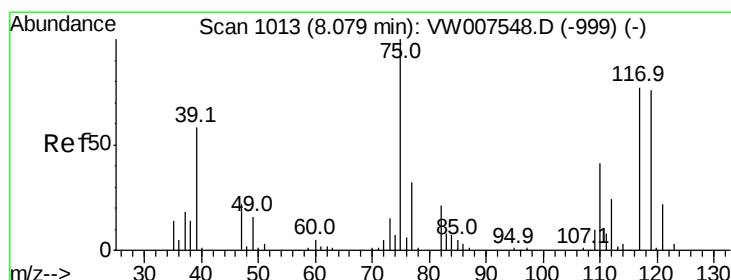
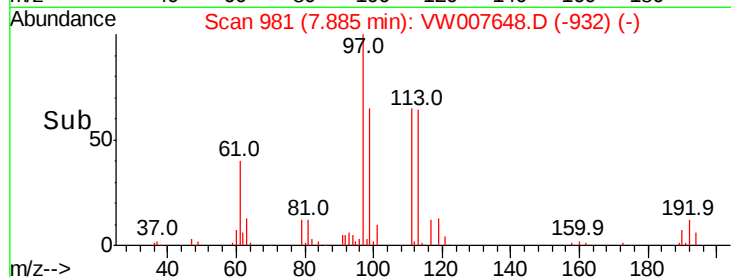
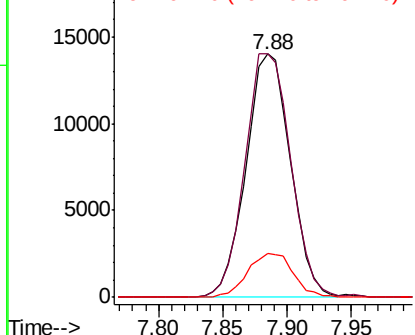
113 100

111 103.4 81.1 121.7

192 18.4 14.6 21.8



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: 55.199 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. 0.00 min

Lab File: VW007648.D

Acq: 18 Dec 2018 10:24

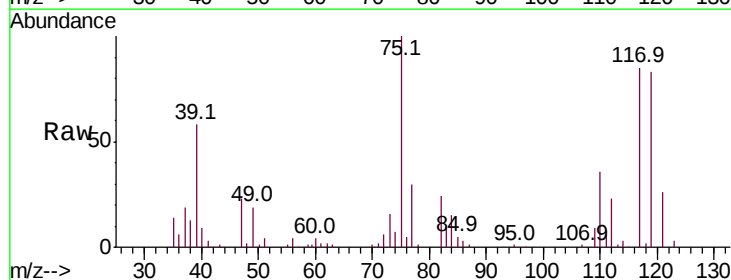
Tgt Ion: 75 Resp: 57047

Ion Ratio Lower Upper

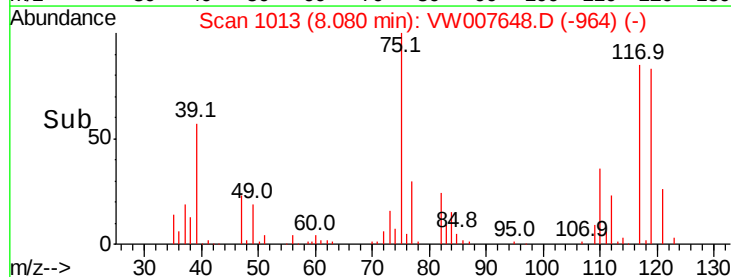
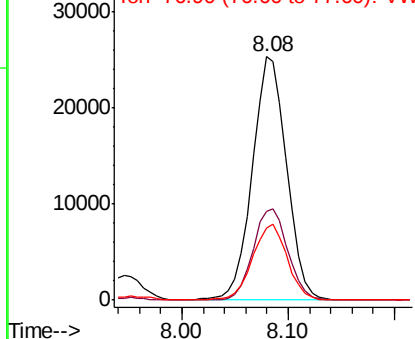
75 100

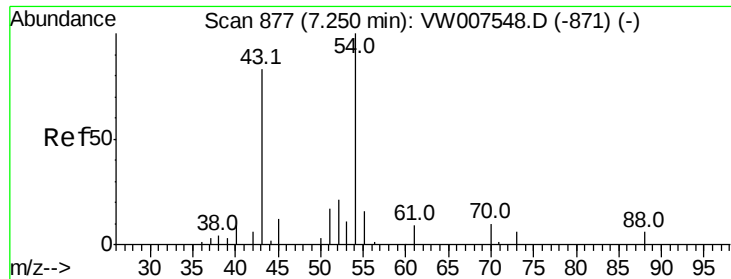
110 37.8 18.5 55.5

77 31.4 25.6 38.4



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

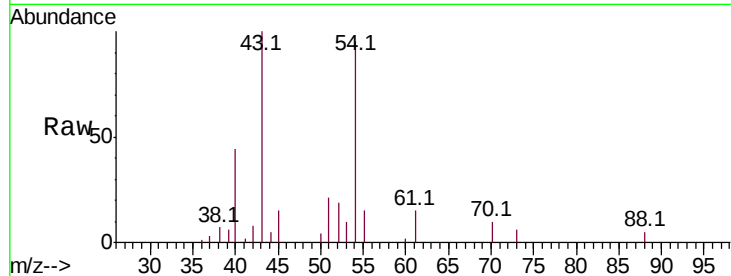




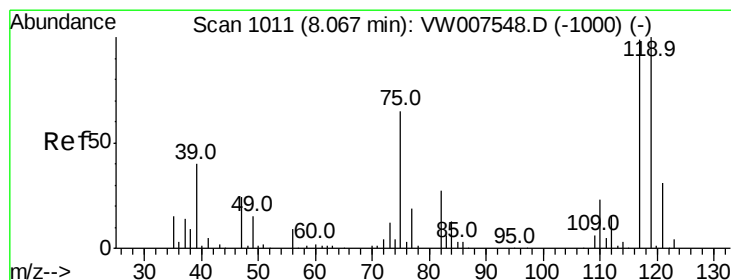
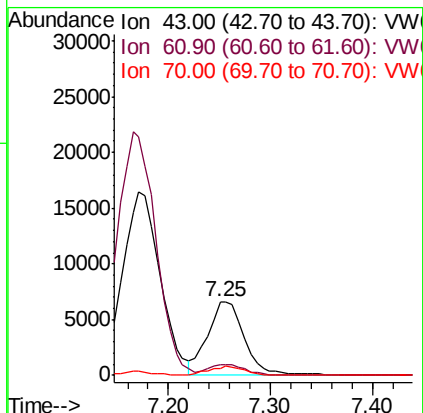
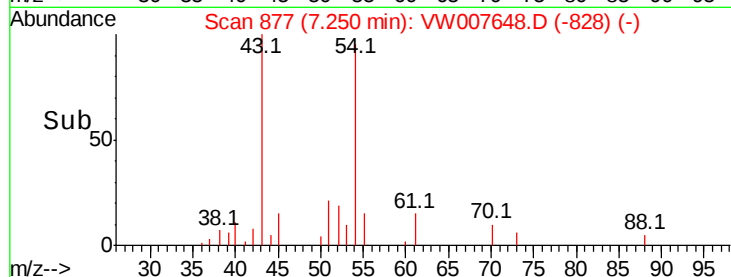
#37
Ethyl Acetate
Concen: 43.946 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW007648.D
Acq: 18 Dec 2018 10:24

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 16892
Ion Ratio Lower Upper
43 100
61 14.6 12.1 18.1
70 12.2 10.0 15.0

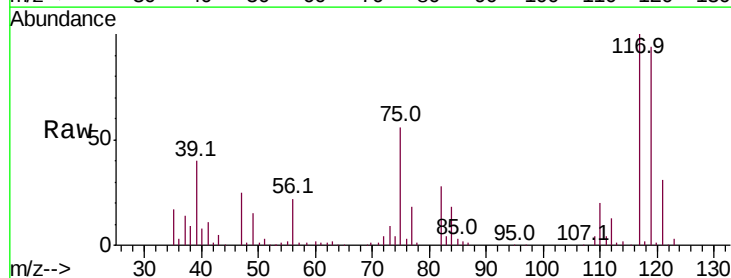


Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 70.00 (69.70 to 70.70): VW

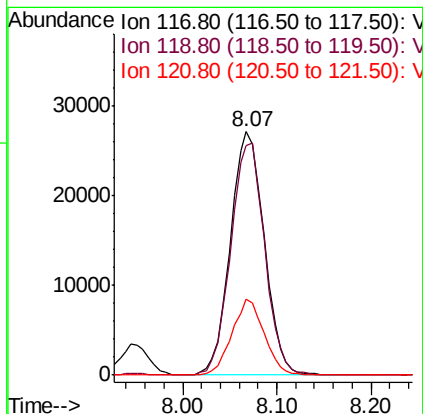
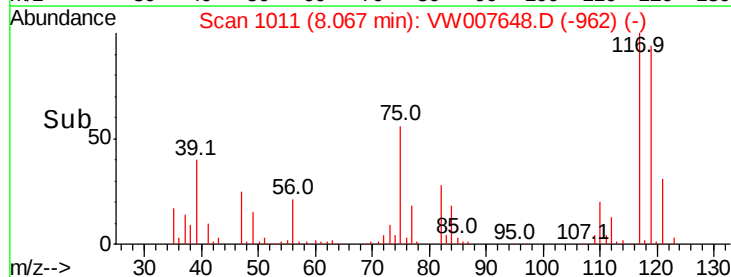


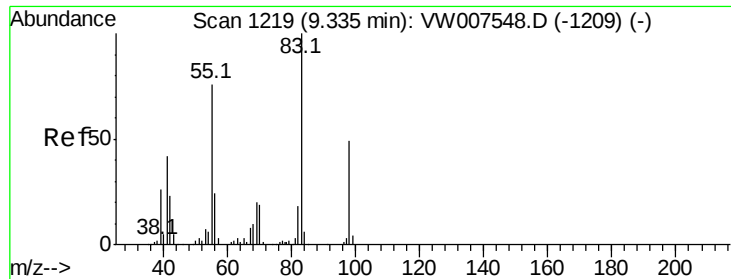
#38
Carbon Tetrachloride
Concen: 60.191 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW007648.D
Acq: 18 Dec 2018 10:24

Tgt Ion: 117 Resp: 67685
Ion Ratio Lower Upper
117 100
119 94.4 74.3 111.5
121 31.5 24.3 36.5



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

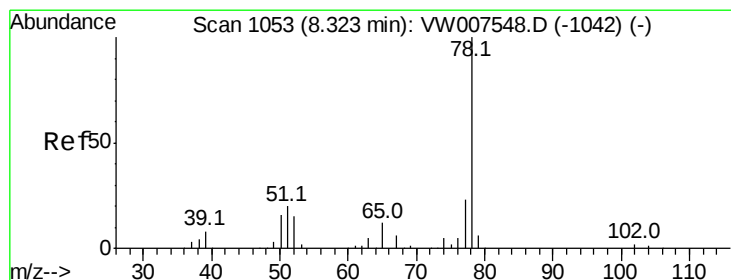
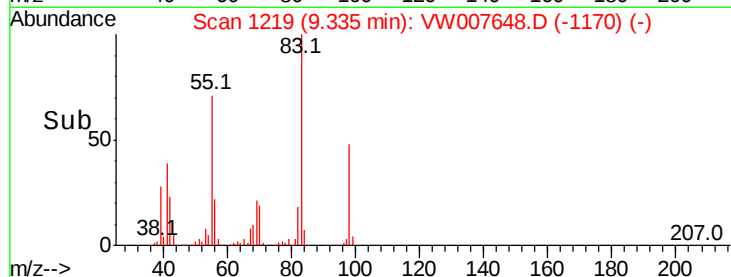
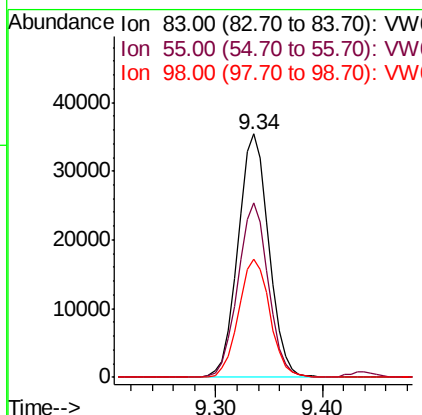
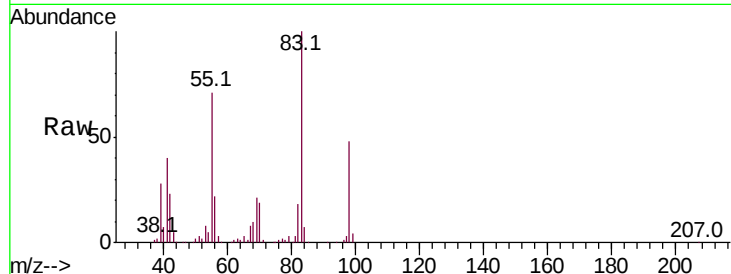




#39
Methvlcvclohexane
Concen: 57.499 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW007648.D
Acq: 18 Dec 2018 10:24

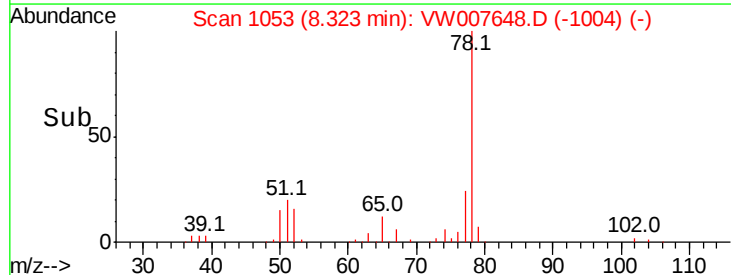
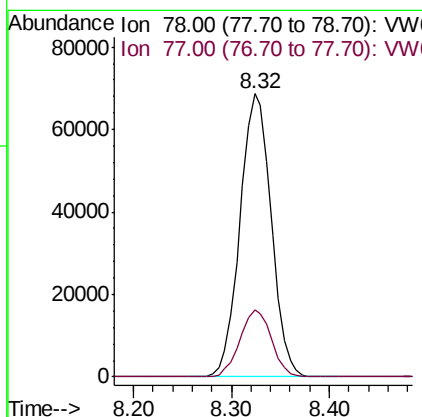
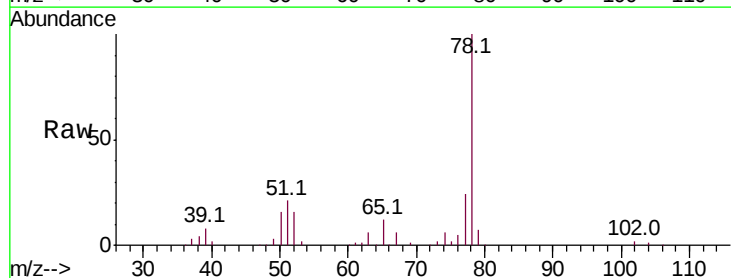
Instrument :
MSVOA_W
ClientSampled :

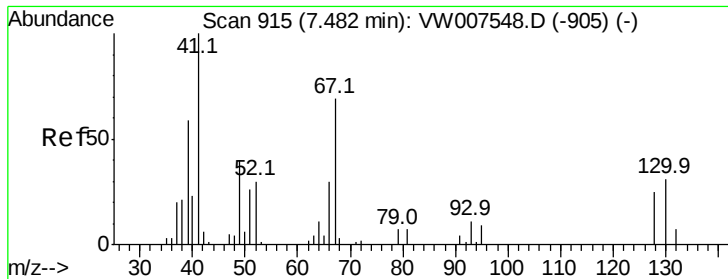
Tot Ion: 83 Resp: 71956
Ion Ratio Lower Upper
83 100
55 71.4 62.8 94.2
98 48.3 42.2 63.2



#40
Benzene
Concen: 53.009 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW007648.D
Acq: 18 Dec 2018 10:24

Tgt Ion: 78 Resp: 152032
Ion Ratio Lower Upper
78 100
77 23.6 18.8 28.2





#41

Methacrylonitrile

Concen: 44.283 ug/l

RT: 7.48 min Scan# 915

Delta R.T. 0.00 min

Lab File: VW007648.D

Acq: 18 Dec 2018 10:24

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 41 Resp: 9693

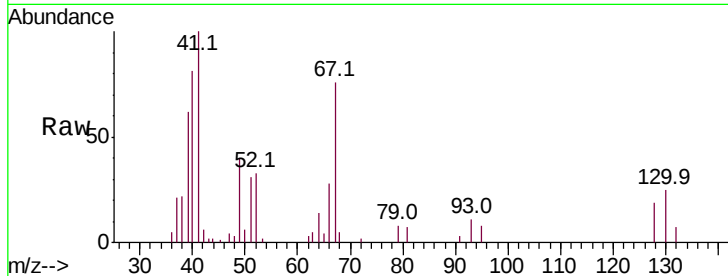
Ion	Ratio	Lower	Upper
41	100		
39	68.8	52.2	78.2
67	83.5	60.5	90.7
52	37.9	25.3	37.9

41 100

39 68.8 52.2 78.2

67 83.5 60.5 90.7

52 37.9 25.3 37.9



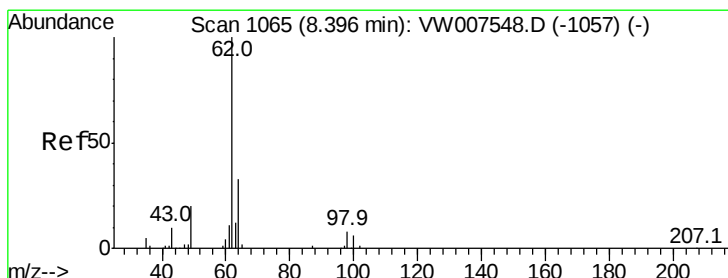
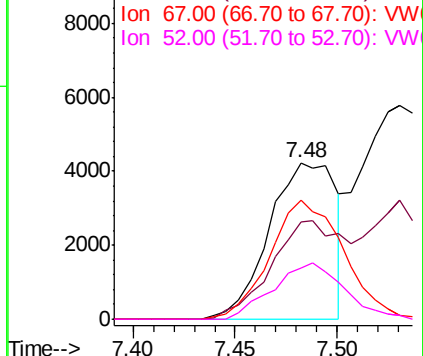
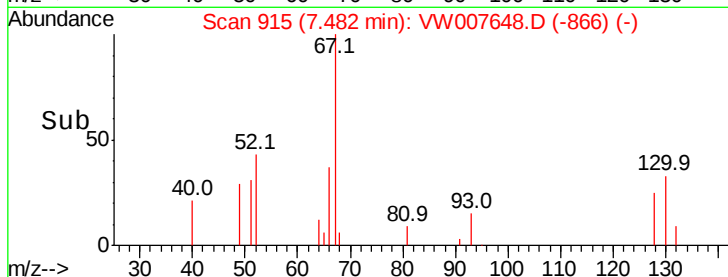
Abundance

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW



#42

1,2-Dichloroethane

Concen: 52.384 ug/l

RT: 8.40 min Scan# 1066

Delta R.T. 0.01 min

Lab File: VW007648.D

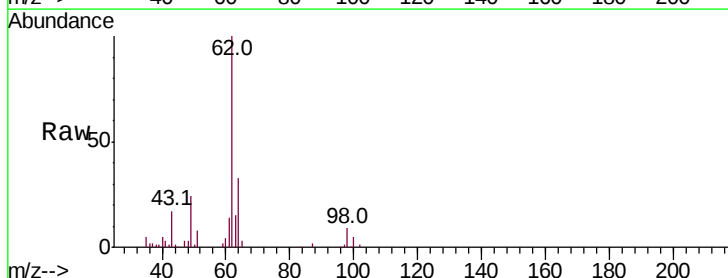
Acq: 18 Dec 2018 10:24

Tgt Ion: 62 Resp: 47195

Ion	Ratio	Lower	Upper
62	100		
98	8.6	0.0	17.6

62 100

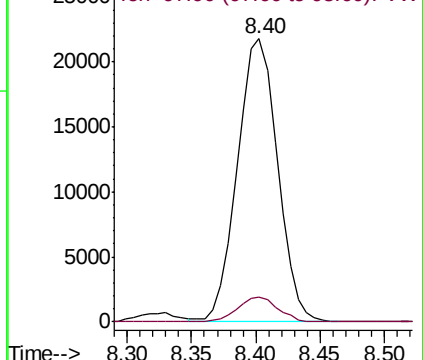
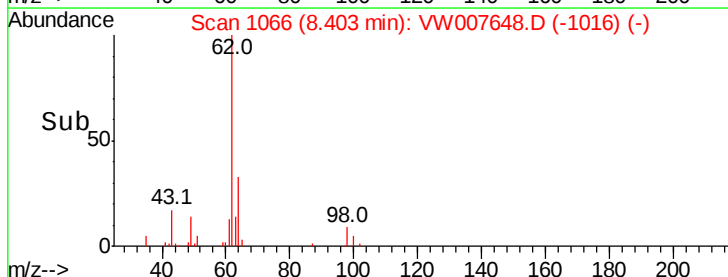
98 8.6 0.0 17.6

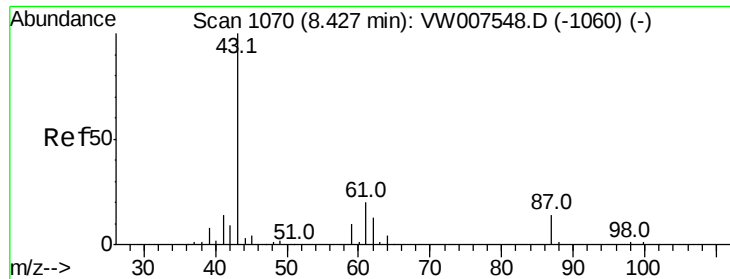


Abundance

Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 45.612 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.00 min

Lab File: VW007648.D

Acq: 18 Dec 2018 10:24

Instrument :

MSVOA_W

ClientSampleId :

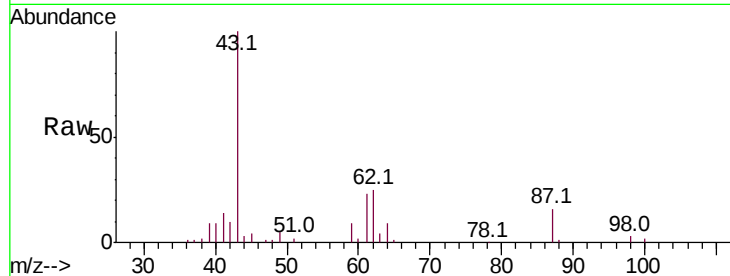
Tot Ion: 43 Resp: 34632

Ion Ratio Lower Upper

43 100

61 33.7 25.3 37.9

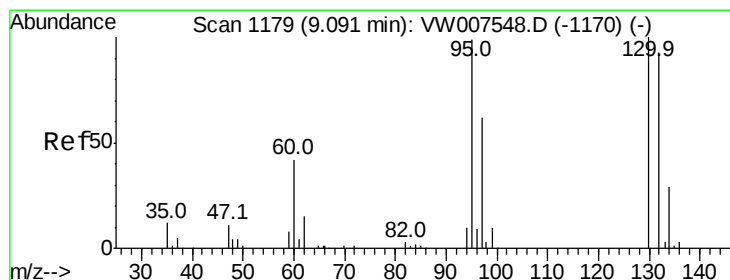
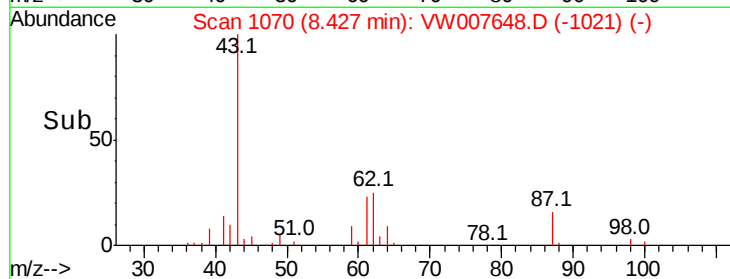
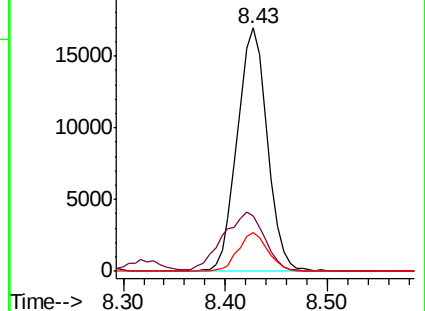
87 15.6 11.8 17.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 87.00 (86.70 to 87.70): VW



#44

Trichloroethene

Concen: 56.120 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW007648.D

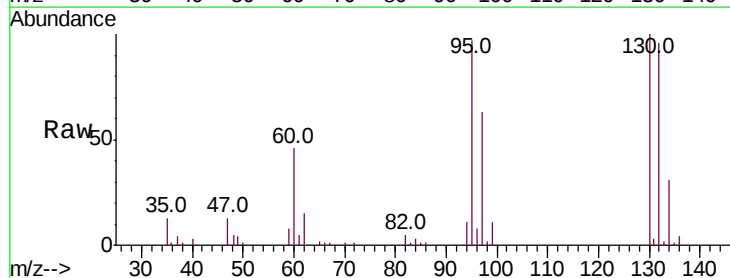
Acq: 18 Dec 2018 10:24

Tgt Ion:130 Resp: 45962

Ion Ratio Lower Upper

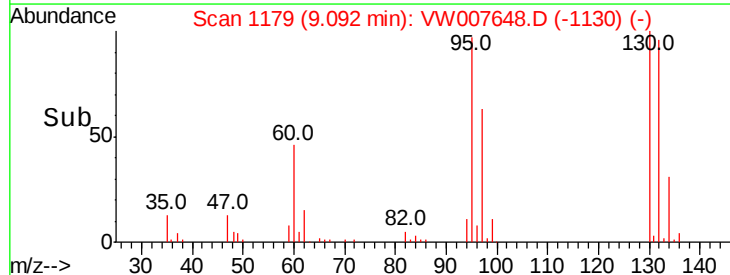
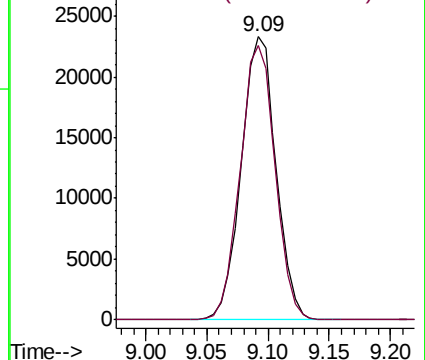
130 100

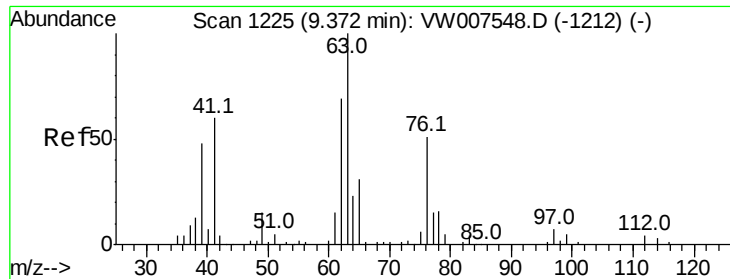
95 97.1 0.0 193.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW





#45

1,2-Dichloropropane

Concen: 52.976 ug/l

RT: 9.37 min Scan# 1225

Delta R.T. 0.01 min

Lab File: VW007648.D

Acq: 18 Dec 2018 10:24

Instrument :

MSVOA_W

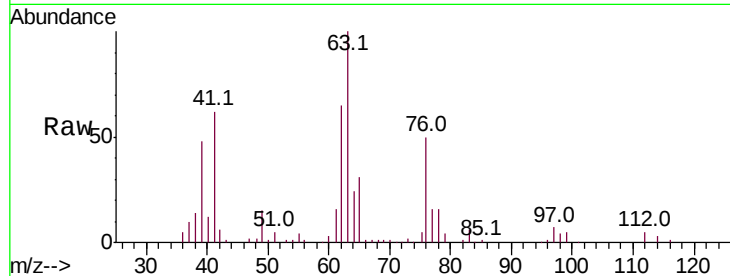
ClientSampled :

Tot Ion: 63 Resp: 35160

Ion Ratio Lower Upper

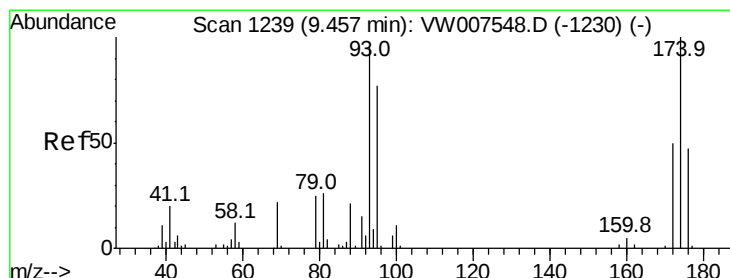
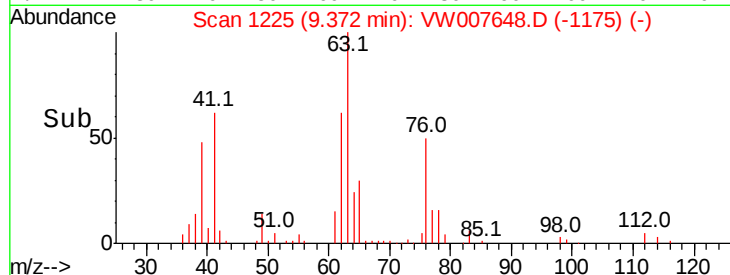
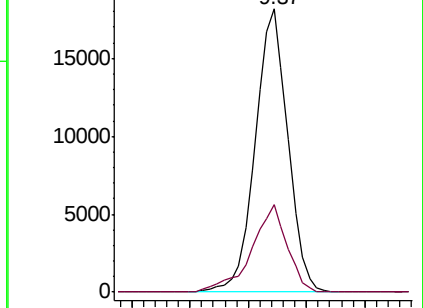
63 100

65 30.7 24.4 36.6



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 64.90 (64.60 to 65.60): VW



#46

Dibromomethane

Concen: 52.591 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VW007648.D

Acq: 18 Dec 2018 10:24

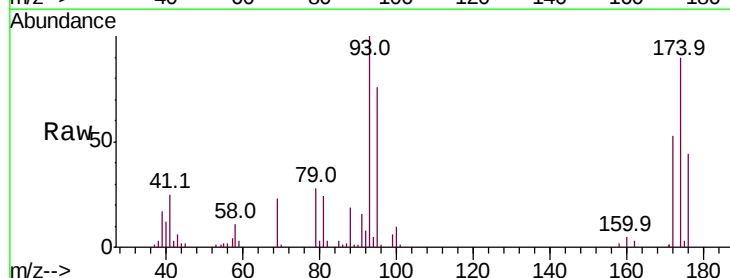
Tgt Ion: 93 Resp: 19822

Ion Ratio Lower Upper

93 100

95 80.8 68.0 102.0

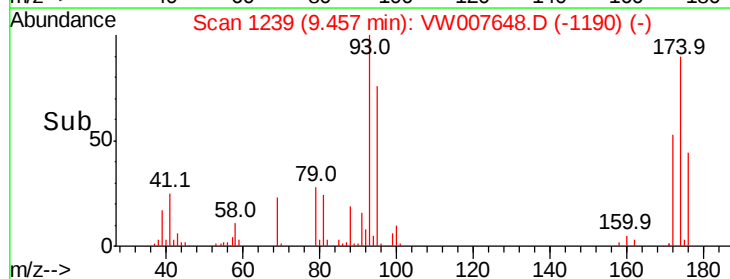
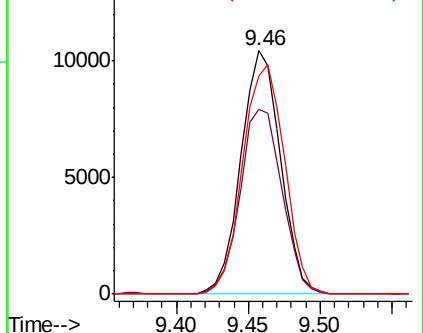
174 99.7 83.2 124.8

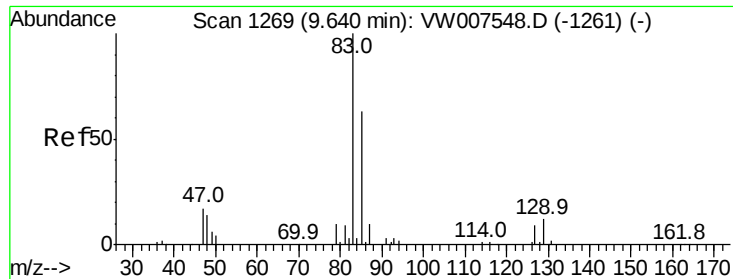


Abundance Ion 92.80 (92.50 to 93.50): VW

Ion 94.80 (94.50 to 95.50): VW

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 54.237 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. 0.01 min

Lab File: VW007648.D

Acq: 18 Dec 2018 10:24

Instrument :

MSVOA_W

ClientSampleId :

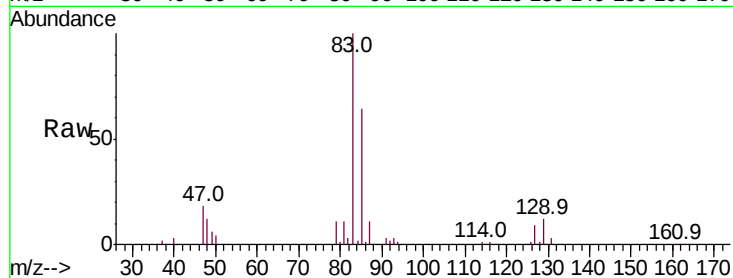
Tot Ion: 83 Resp: 53621

Ion Ratio Lower Upper

83 100

85 64.5 47.6 71.4

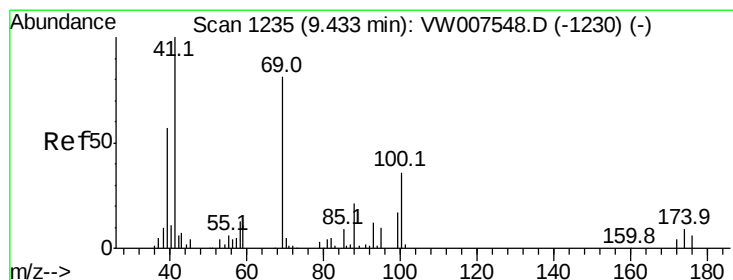
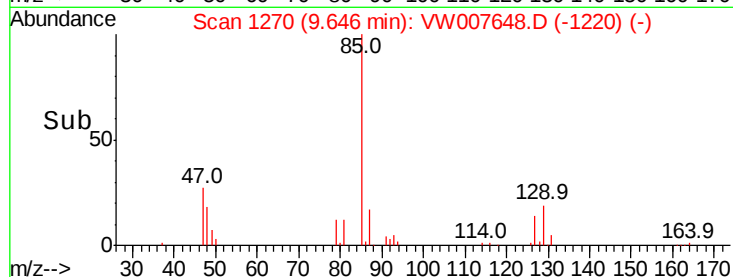
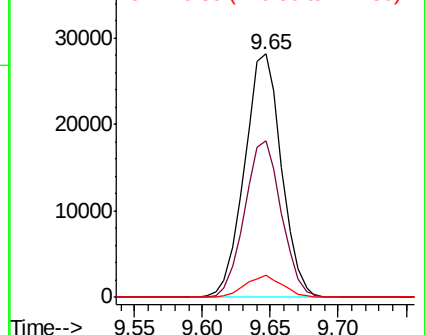
127 9.2 6.7 10.1



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): VW



#48

Methyl methacrylate

Concen: 43.216 ug/l

RT: 9.44 min Scan# 1236

Delta R.T. 0.00 min

Lab File: VW007648.D

Acq: 18 Dec 2018 10:24

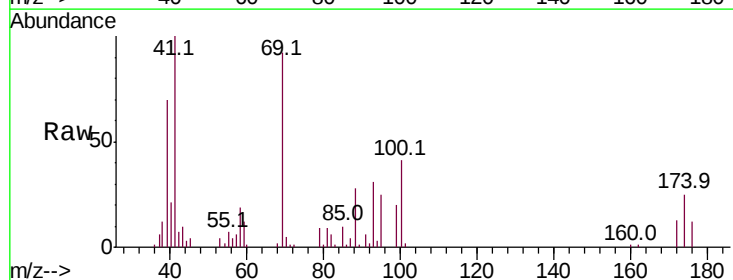
Tgt Ion: 41 Resp: 16852

Ion Ratio Lower Upper

41 100

69 97.0 69.8 104.8

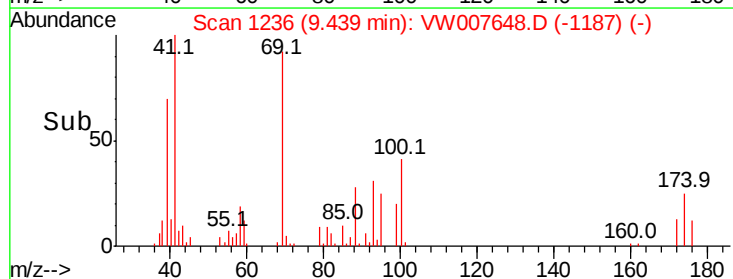
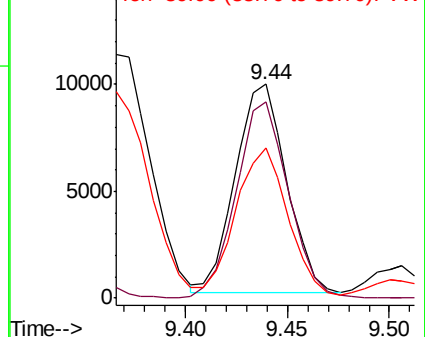
39 75.8 50.9 76.3

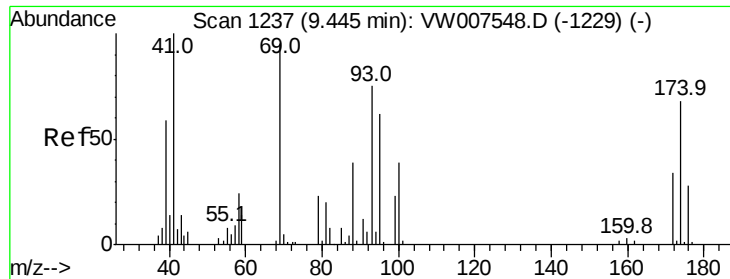


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW





#49

1,4-Dioxane

Concen: 1021.163 ug/l

RT: 9.45 min Scan# 1237

Delta R.T. -0.01 min

Lab File: VW007648.D

Acq: 18 Dec 2018 10:24

Instrument :
MSVOA_W
ClientSampleId :

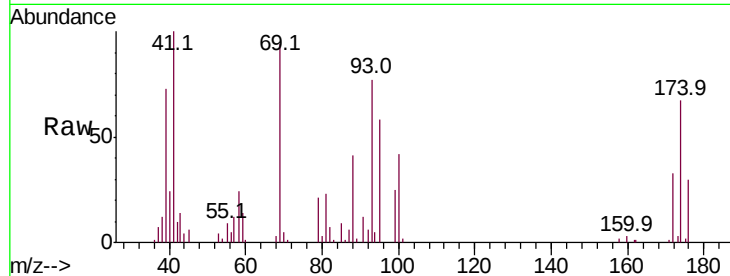
Tot Ion: 88 Resp: 6245

Ion Ratio Lower Upper

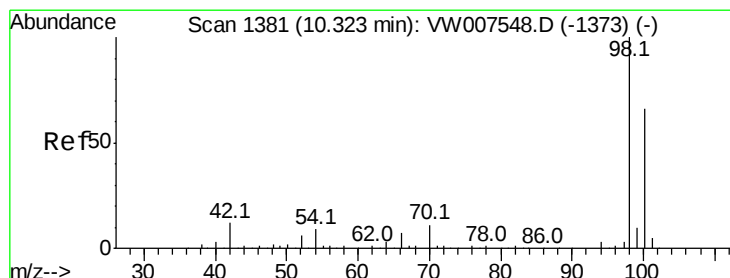
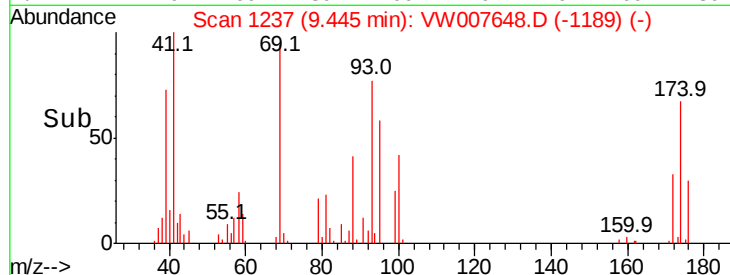
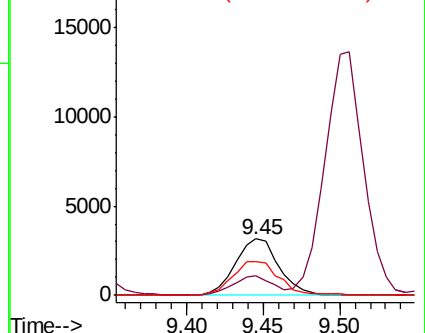
88 100

43 31.9 25.0 37.4

58 64.4 51.4 77.2



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



#50

Toluene-d8

Concen: 49.652 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW007648.D

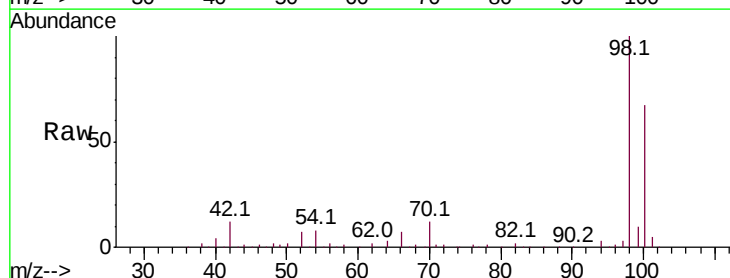
Acq: 18 Dec 2018 10:24

Tgt Ion: 98 Resp: 127672

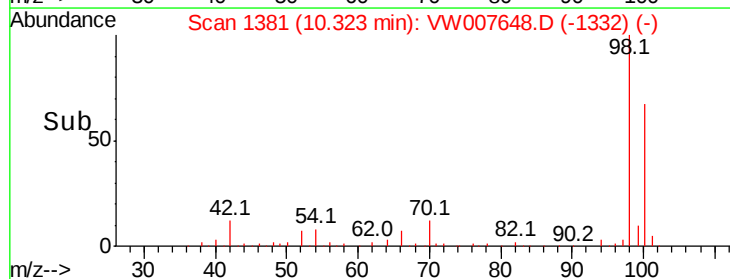
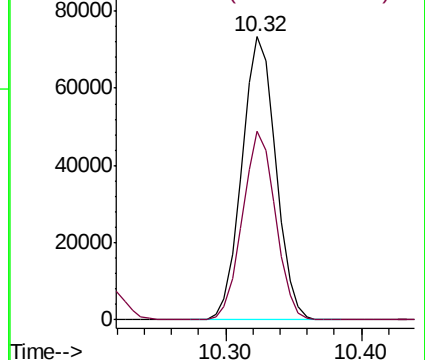
Ion Ratio Lower Upper

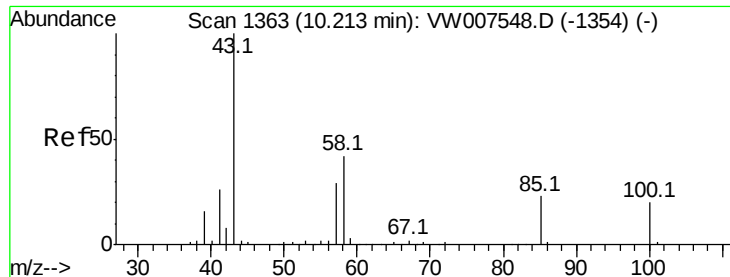
98 100

100 65.1 51.8 77.8



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





#51

4-Methyl-2-Pentanone

Concen: 235.721 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.01 min

Lab File: VW007648.D

Acq: 18 Dec 2018 10:24

Instrument :

MSVOA_W

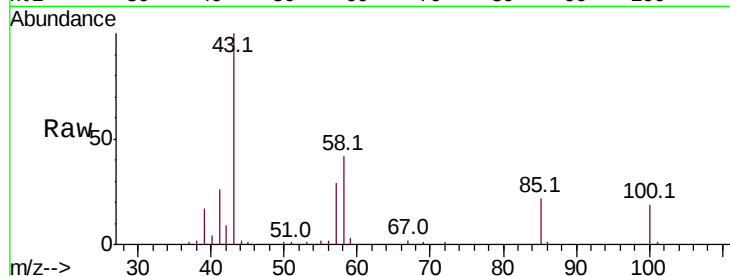
ClientSampled :

Tot Ion: 43 Resp: 84567

Ion Ratio Lower Upper

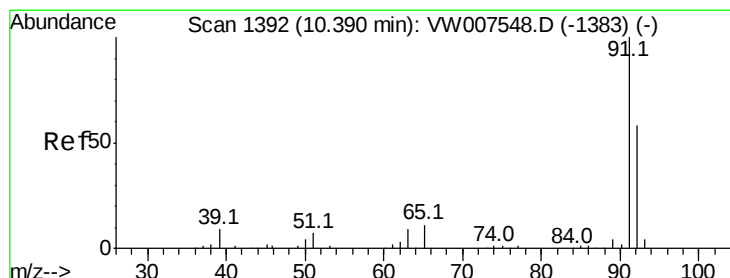
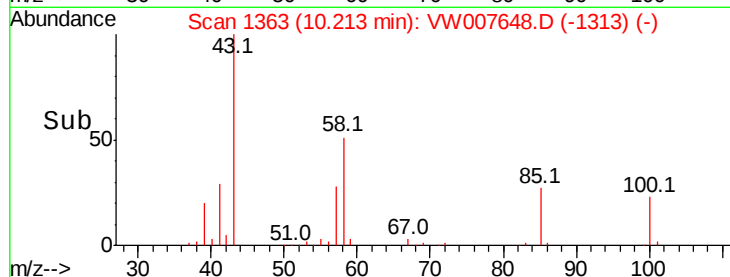
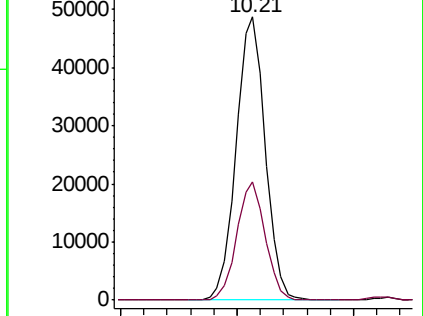
43 100

58 41.0 33.1 49.7



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#52

Toluene

Concen: 55.234 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW007648.D

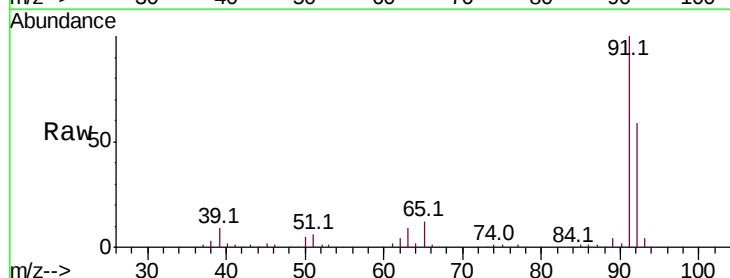
Acq: 18 Dec 2018 10:24

Tgt Ion: 92 Resp: 102517

Ion Ratio Lower Upper

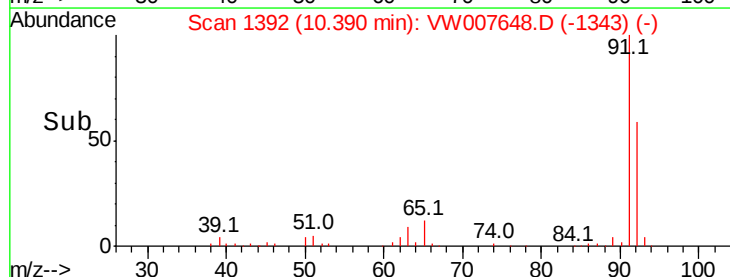
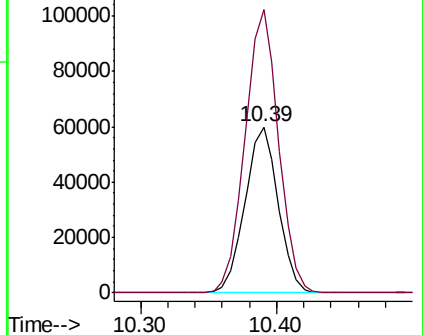
92 100

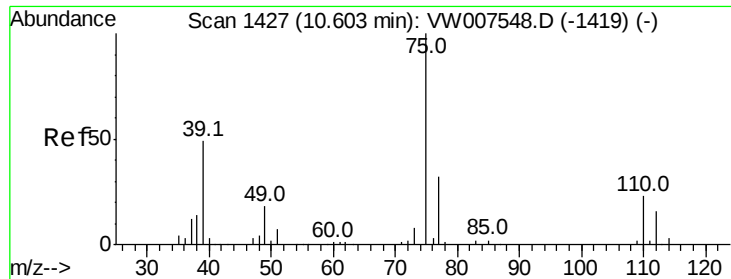
91 171.6 136.2 204.2



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW





#53

t-1,3-Dichloropropene

Concen: 53.744 ug/l

RT: 10.61 min Scan# 1428

Delta R.T. 0.01 min

Lab File: VW007648.D

Acq: 18 Dec 2018 10:24

Instrument :

MSVOA_W

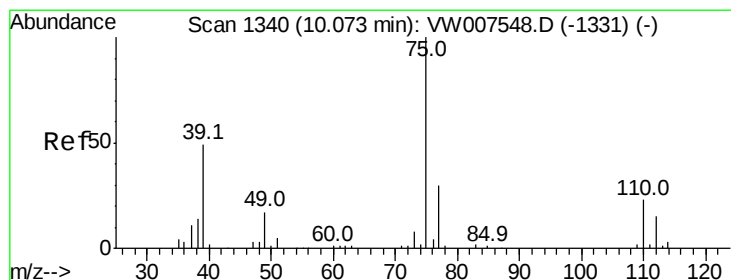
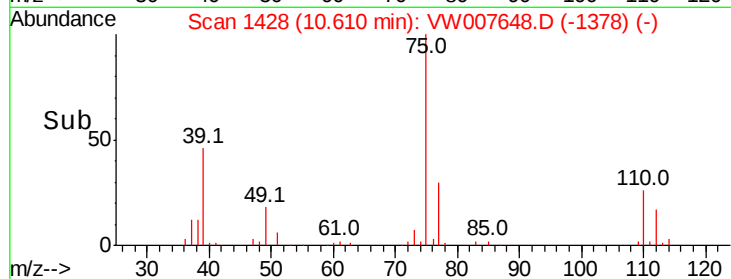
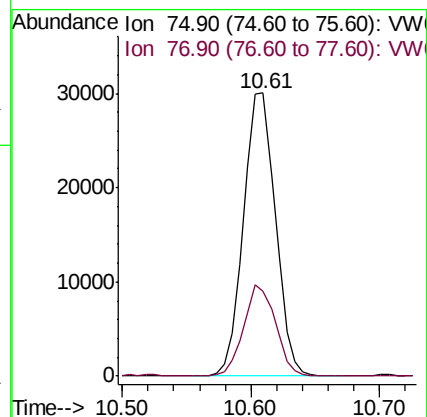
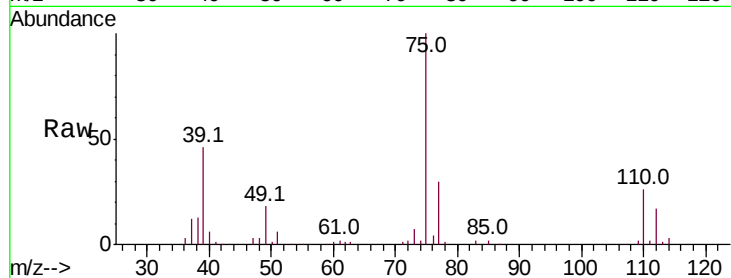
ClientSampleId :

Tot Ion: 75 Resp: 51583

Ion Ratio Lower Upper

75 100

77 30.2 26.2 39.4



#54

cis-1,3-Dichloropropene

Concen: 53.632 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW007648.D

Acq: 18 Dec 2018 10:24

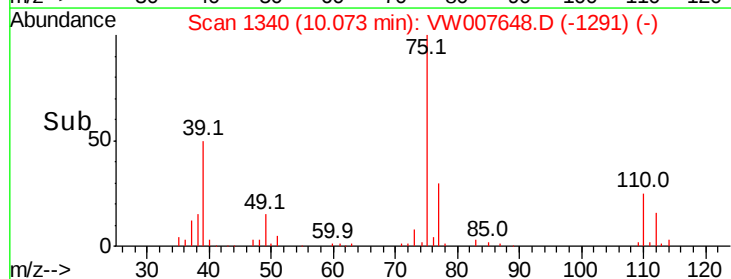
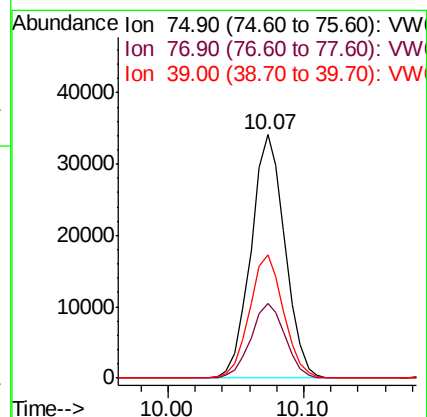
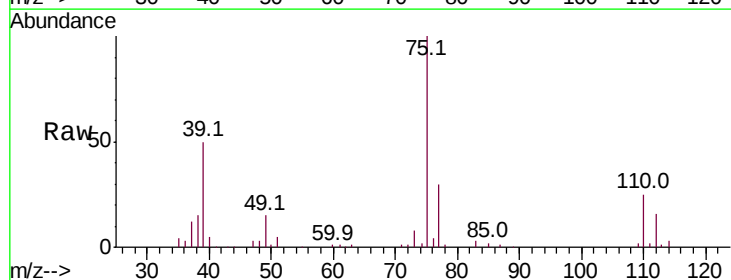
Tgt Ion: 75 Resp: 59507

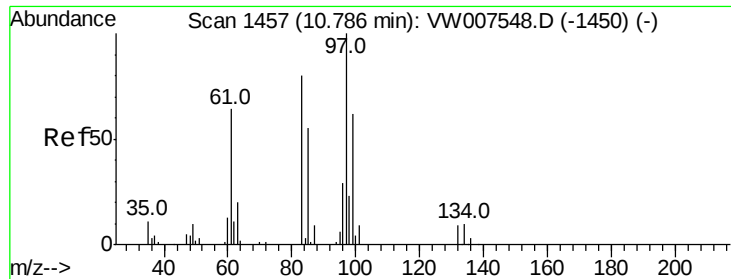
Ion Ratio Lower Upper

75 100

77 30.4 24.8 37.2

39 50.5 40.9 61.3





#55

1,1,2-Trichloroethane

Concen: 53.060 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. -0.01 min

Lab File: VW007648.D

Acq: 18 Dec 2018 10:24

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 97 Resp: 27218

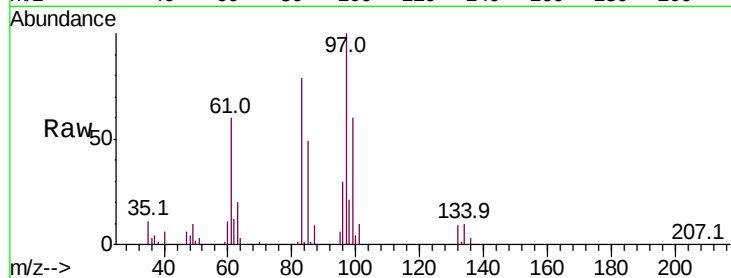
Ion	Ratio	Lower	Upper
97	100		
83	78.5	62.1	93.1
85	48.7	44.2	66.4
99	60.0	50.2	75.4

97 100

83 78.5 62.1 93.1

85 48.7 44.2 66.4

99 60.0 50.2 75.4



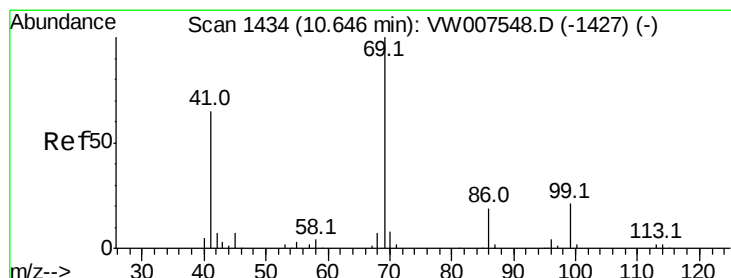
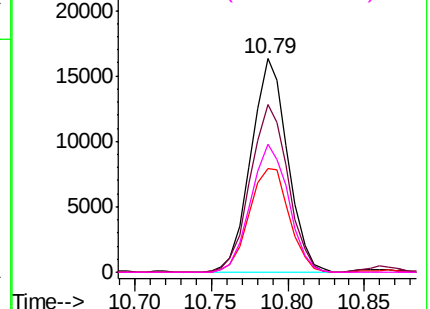
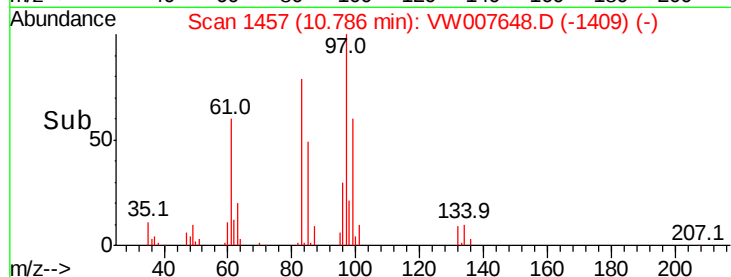
Abundance

Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56

Ethyl methacrylate

Concen: 50.560 ug/l

RT: 10.65 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW007648.D

Acq: 18 Dec 2018 10:24

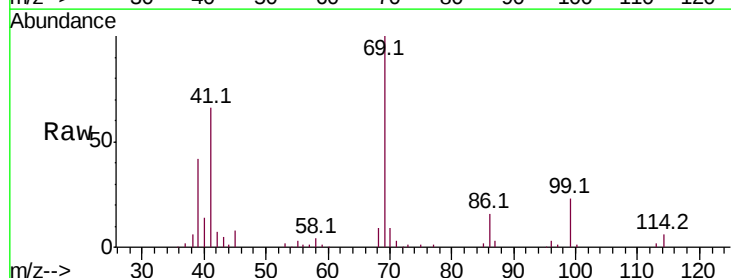
Tgt Ion: 69 Resp: 31174

Ion	Ratio	Lower	Upper
69	100		
41	62.1	51.0	76.6
39	39.7	30.8	46.2

69 100

41 62.1 51.0 76.6

39 39.7 30.8 46.2

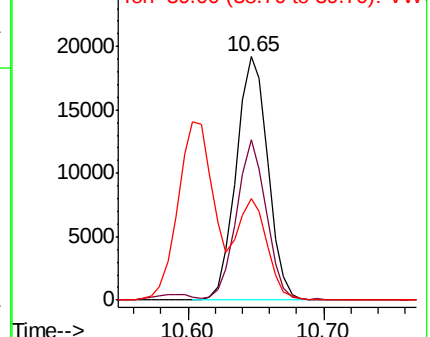
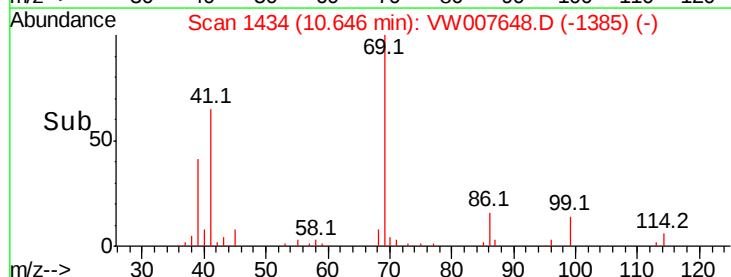


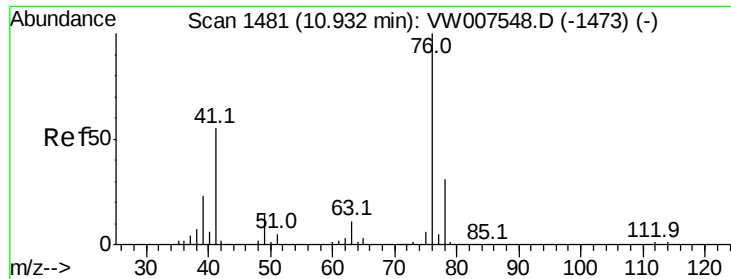
Abundance

Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

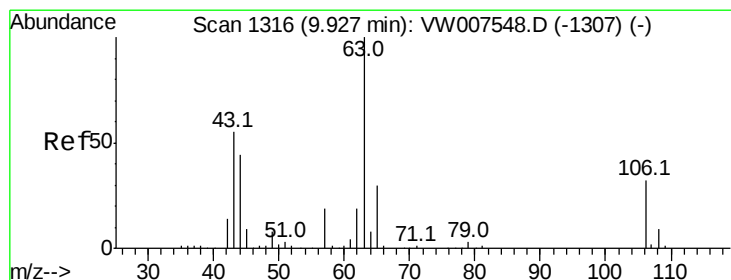
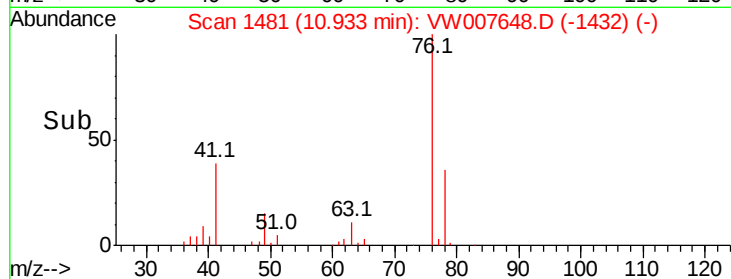
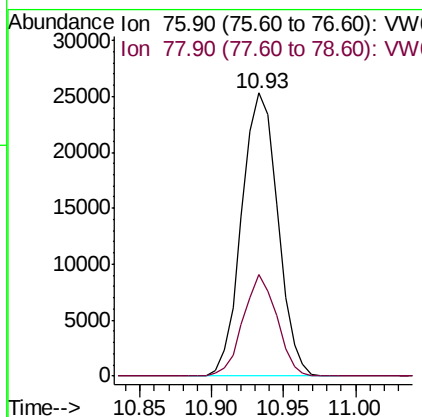
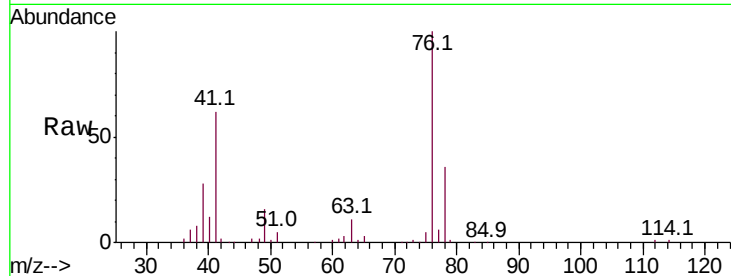




#57
 1,3-Dichloropropane
 Concen: 52.241 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW007648.D
 Acq: 18 Dec 2018 10:24

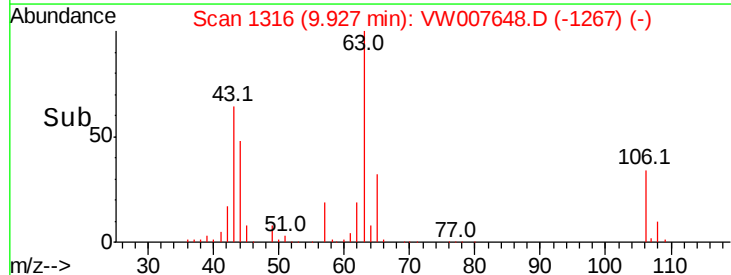
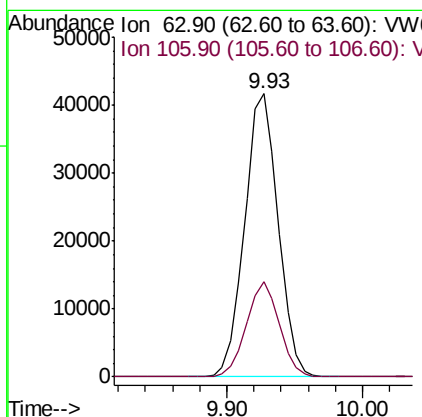
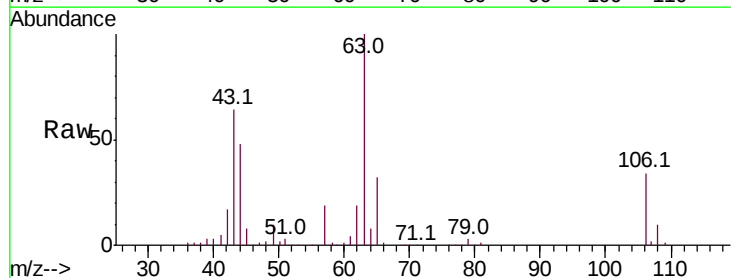
Instrument :
 MSVOA_W
 ClientSampled :

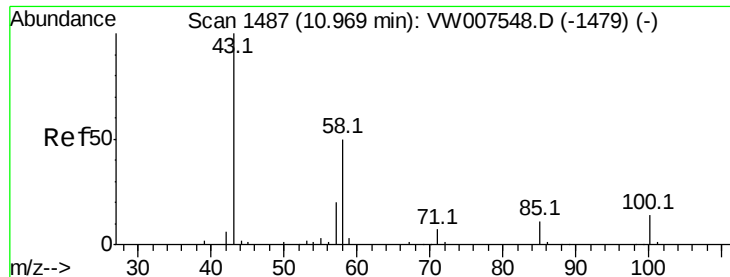
Tot Ion: 76 Resp: 43985
 Ion Ratio Lower Upper
 76 100
 78 33.4 26.2 39.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 252.804 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VW007648.D
 Acq: 18 Dec 2018 10:24

Tgt Ion: 63 Resp: 71880
 Ion Ratio Lower Upper
 63 100
 106 32.9 25.0 37.6





#59

2-Hexanone

Concen: 267.101 ug/l

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW007648.D

Acq: 18 Dec 2018 10:24

Instrument :

MSVOA_W

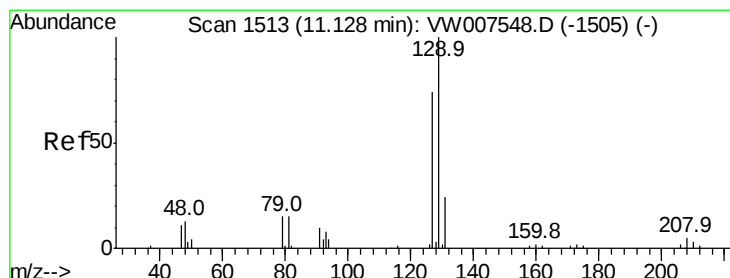
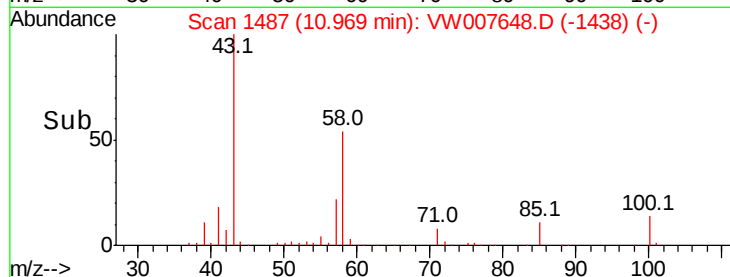
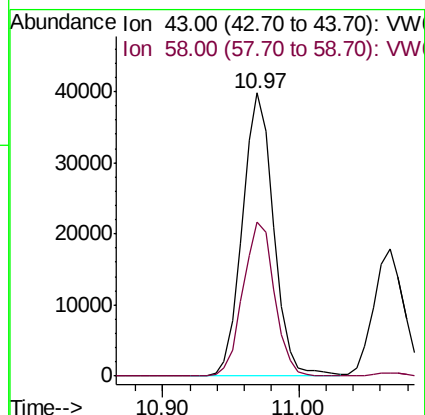
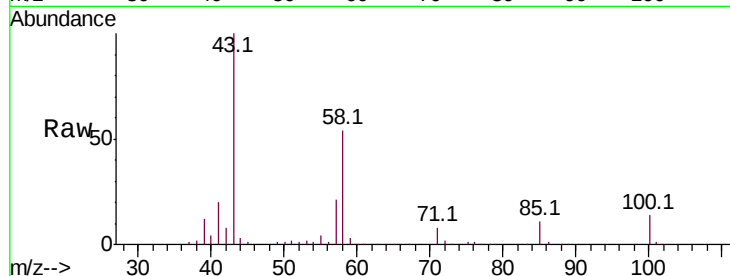
ClientSampleId :

Tot Ion: 43 Resp: 63896

Ion Ratio Lower Upper

43 100

58 54.9 27.1 81.3



#60

Dibromochloromethane

Concen: 54.859 ug/l

RT: 11.13 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VW007648.D

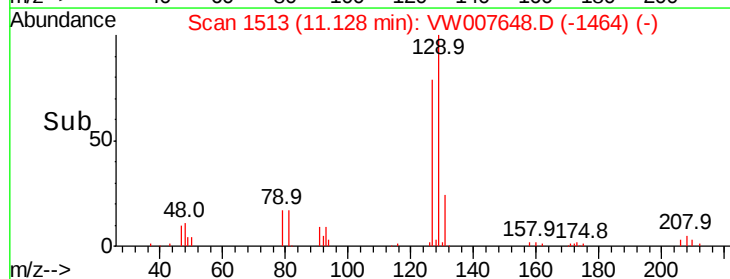
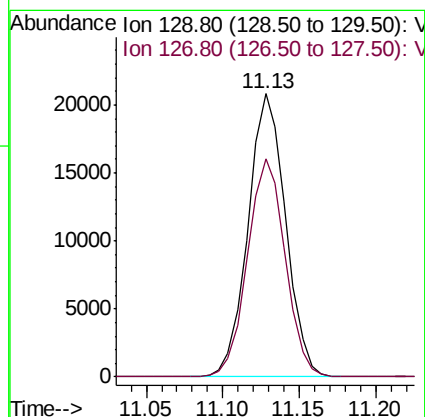
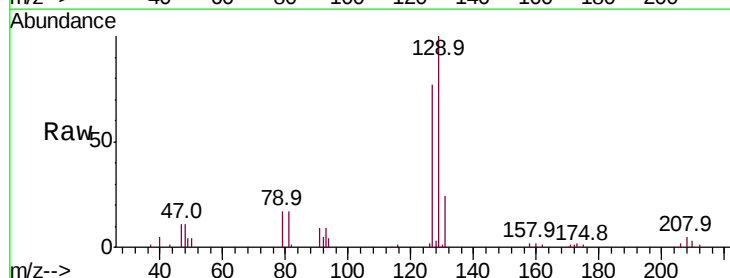
Acq: 18 Dec 2018 10:24

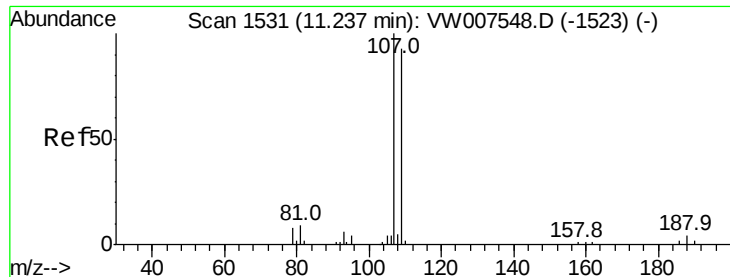
Tgt Ion:129 Resp: 35514

Ion Ratio Lower Upper

129 100

127 77.3 38.1 114.3

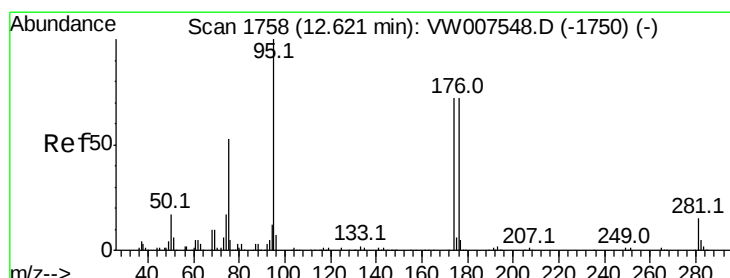
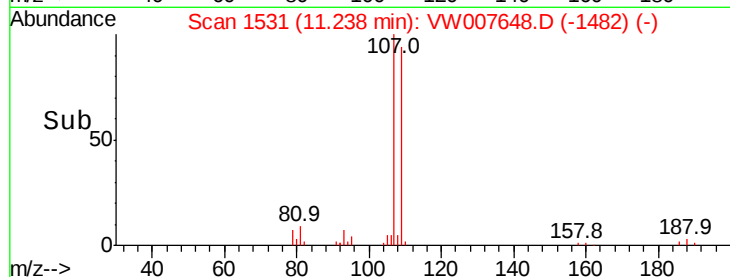
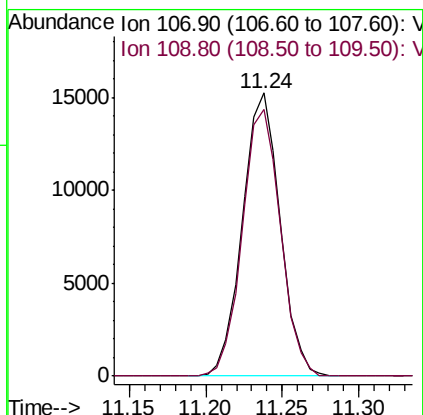
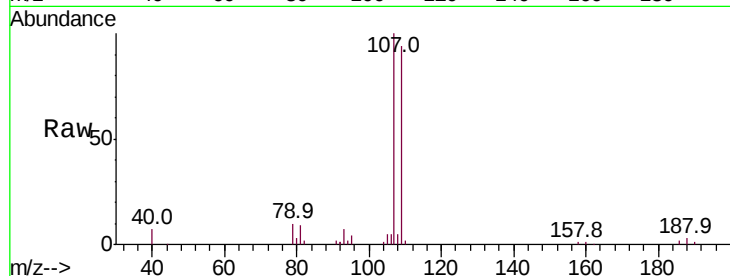




#61
 1,2-Dibromoethane
 Concen: 51.456 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW007648.D
 Acq: 18 Dec 2018 10:24

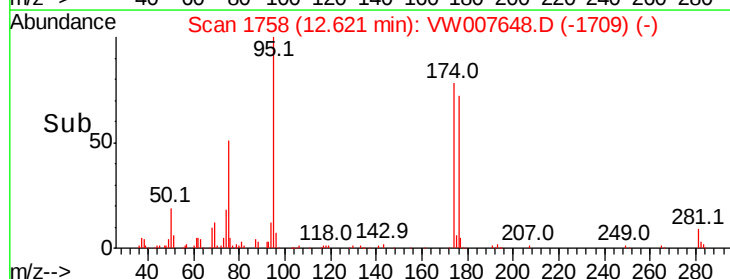
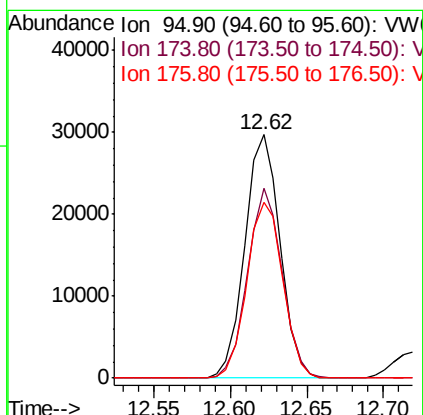
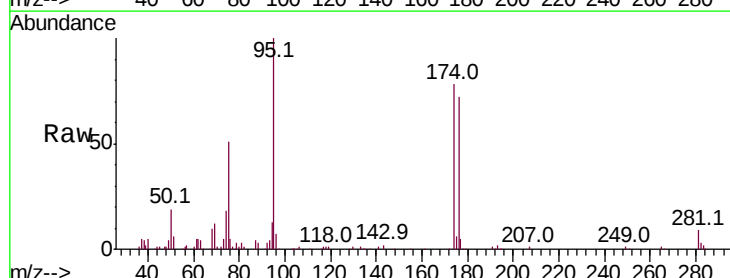
Instrument :
 MSVOA_W
 ClientSampleId :

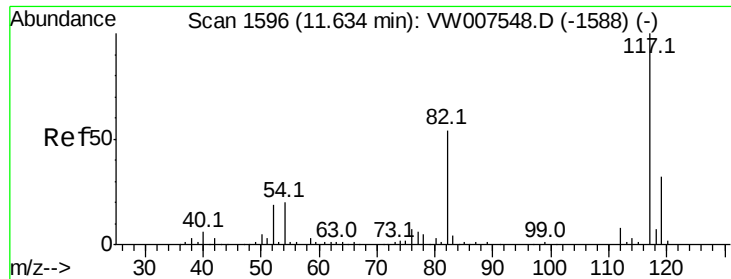
Tot Ion:107 Resp: 26085
 Ion Ratio Lower Upper
 107 100
 109 95.5 79.1 118.7



#62
 4-Bromofluorobenzene
 Concen: 50.228 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.00 min
 Lab File: VW007648.D
 Acq: 18 Dec 2018 10:24

Tgt Ion: 95 Resp: 47486
 Ion Ratio Lower Upper
 95 100
 174 76.8 0.0 147.2
 176 73.9 0.0 138.8

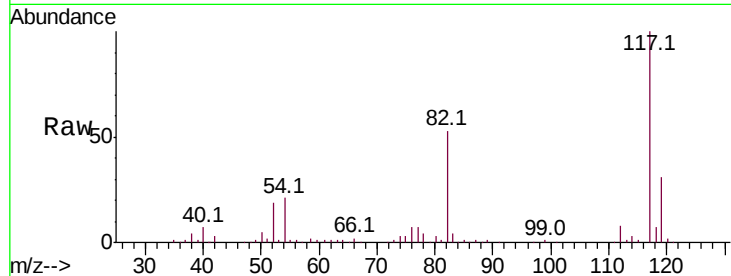




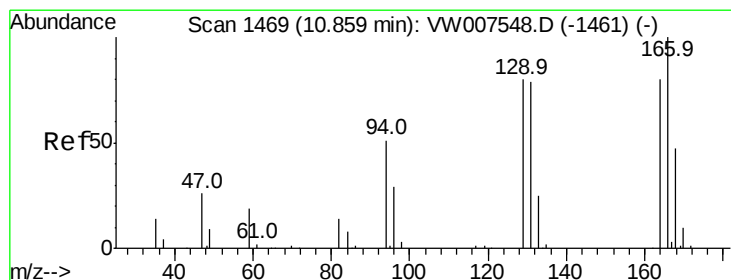
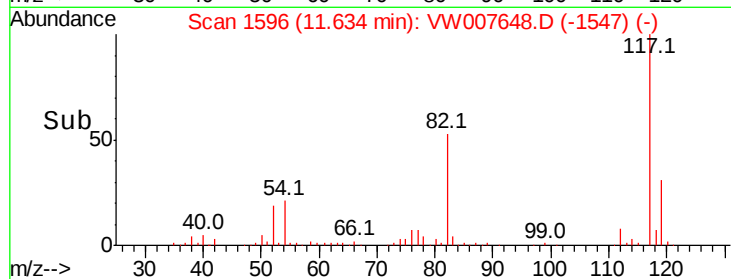
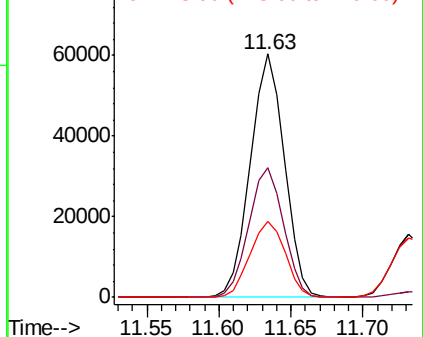
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW007648.D
Acq: 18 Dec 2018 10:24

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:117 Resp: 98777
Ion Ratio Lower Upper
117 100
82 53.3 42.3 63.5
119 30.9 23.0 34.6

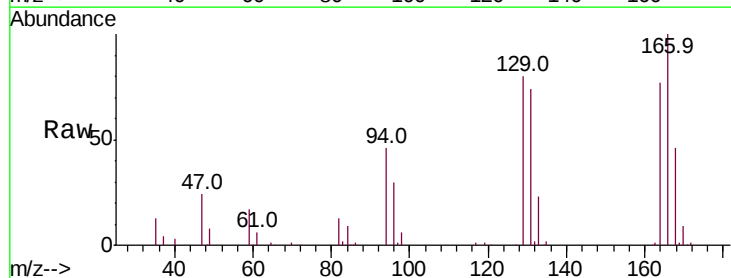


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VV
Ion 118.90 (118.60 to 119.60): V

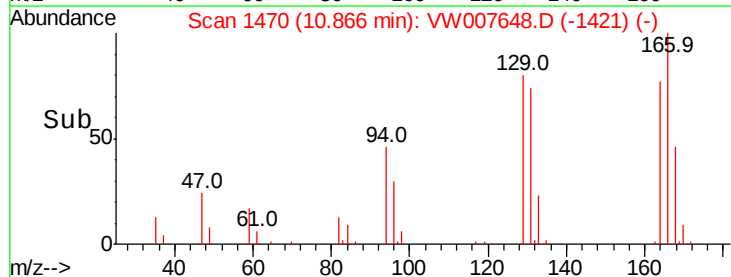
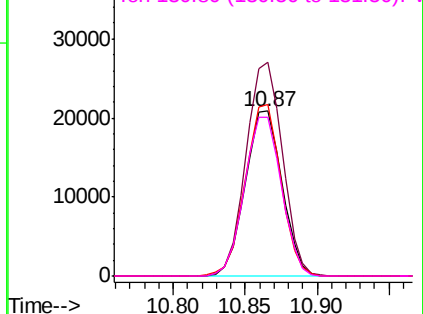


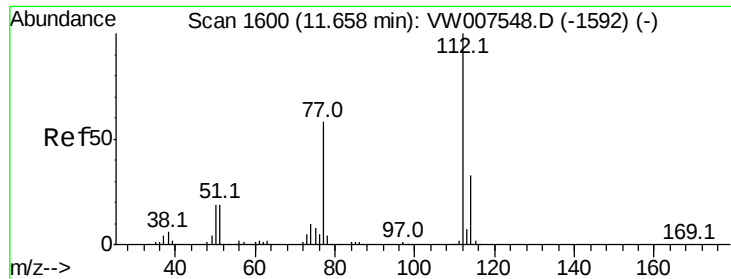
#64
Tetrachloroethene
Concen: 51.885 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VW007648.D
Acq: 18 Dec 2018 10:24

Tgt Ion:164 Resp: 36856
Ion Ratio Lower Upper
164 100
166 129.6 107.9 161.9
129 103.8 73.4 110.2
131 96.1 75.8 113.6



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

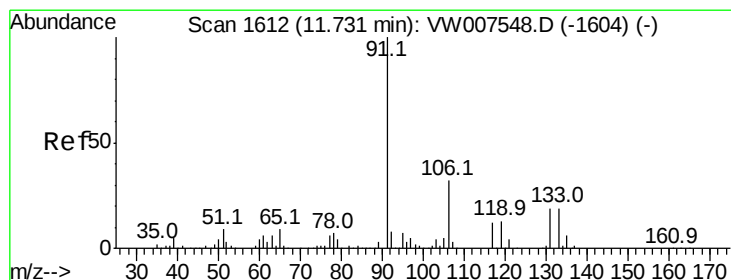
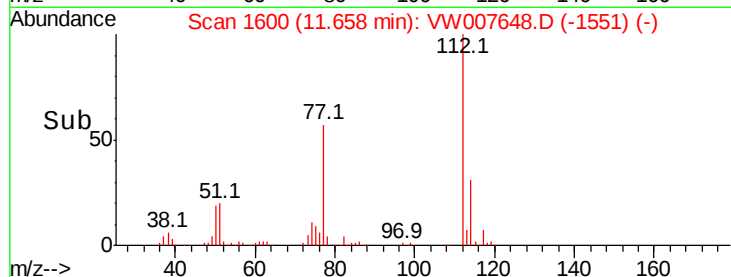
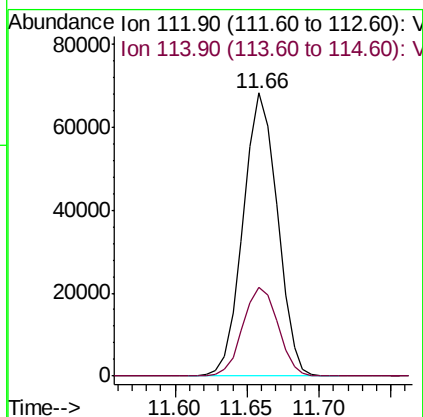
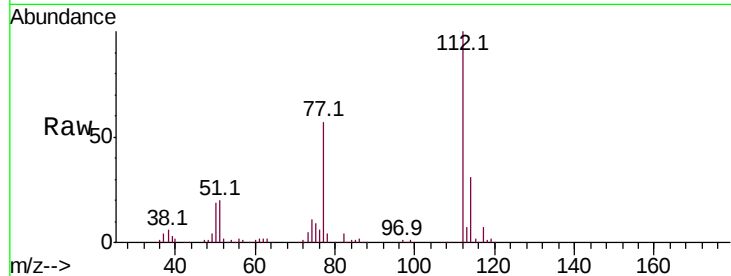




#65
Chlorobenzene
Concen: 54.734 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW007648.D
Acq: 18 Dec 2018 10:24

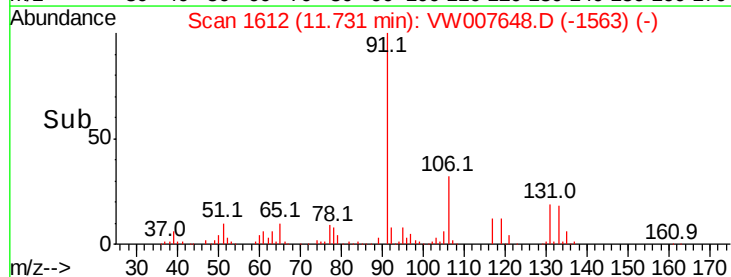
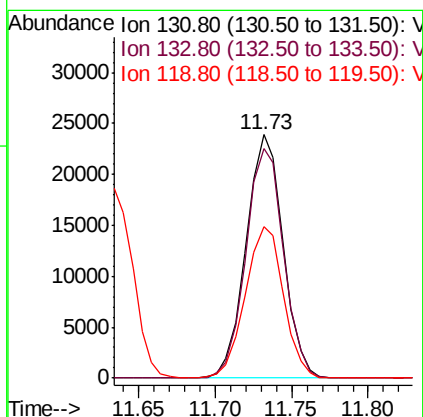
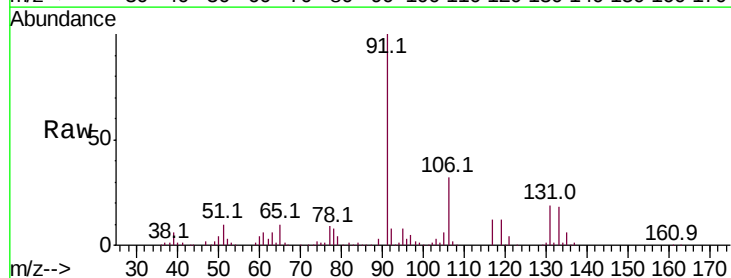
Instrument :
MSVOA_W
ClientSampleId :

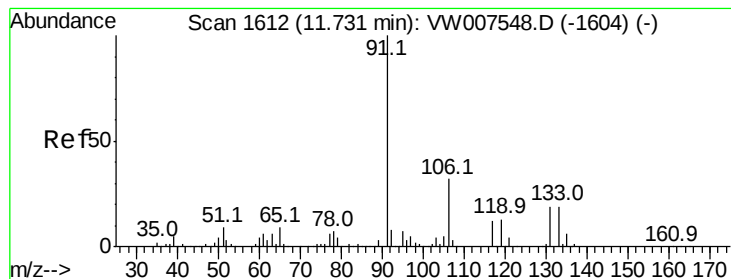
Tot Ion:112 Resp: 112688
Ion Ratio Lower Upper
112 100
114 31.4 27.8 41.8



#66
1,1,1,2-Tetrachloroethane
Concen: 55.354 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW007648.D
Acq: 18 Dec 2018 10:24

Tgt Ion:131 Resp: 40138
Ion Ratio Lower Upper
131 100
133 96.2 47.1 141.4
119 64.5 31.3 93.9





#67

Ethyl Benzene

Concen: 57.559 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW007648.D

Acq: 18 Dec 2018 10:24

Instrument :

MSVOA_W

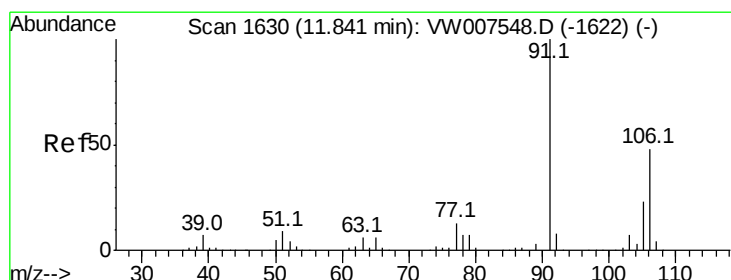
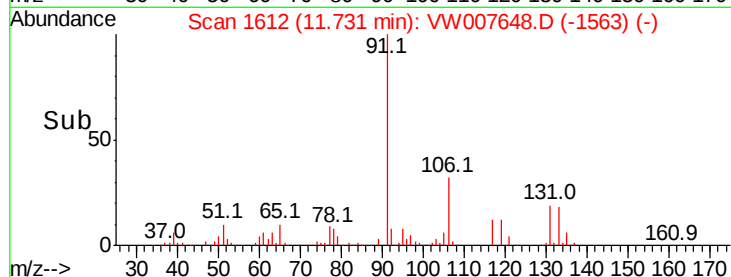
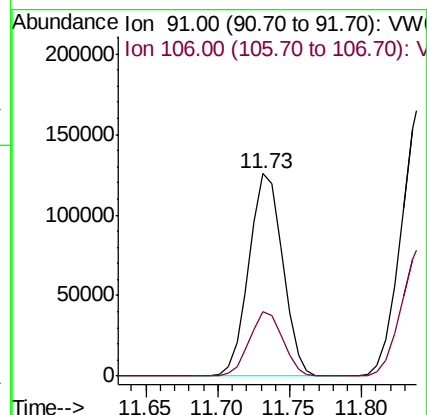
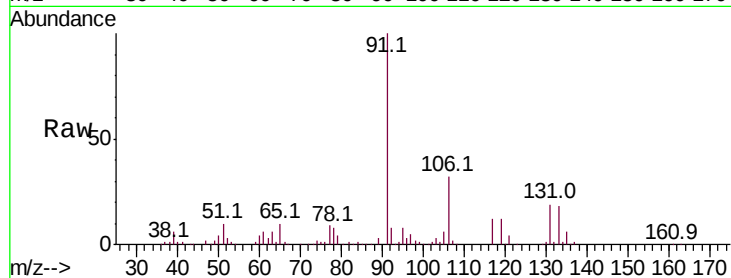
ClientSampleId :

Tot Ion: 91 Resp: 203742

Ion Ratio Lower Upper

91 100

106 31.9 21.8 32.8



#68

m/p-Xylenes

Concen: 114.117 ug/l

RT: 11.84 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VW007648.D

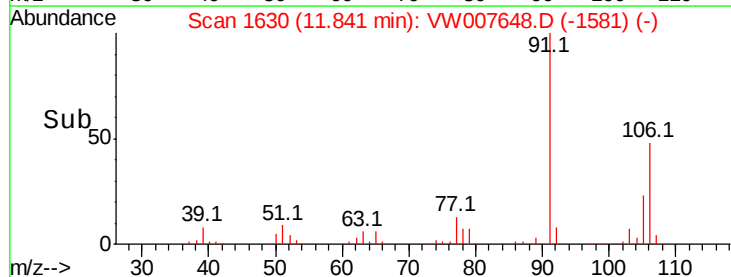
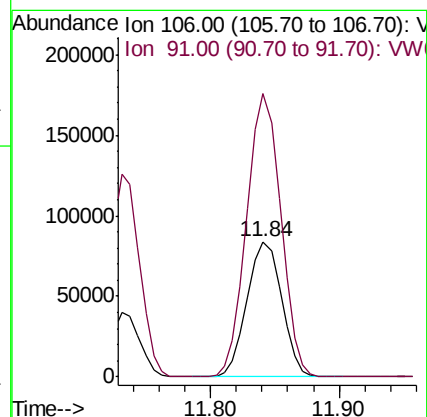
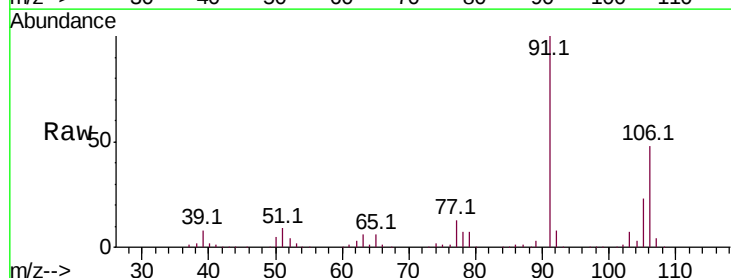
Acq: 18 Dec 2018 10:24

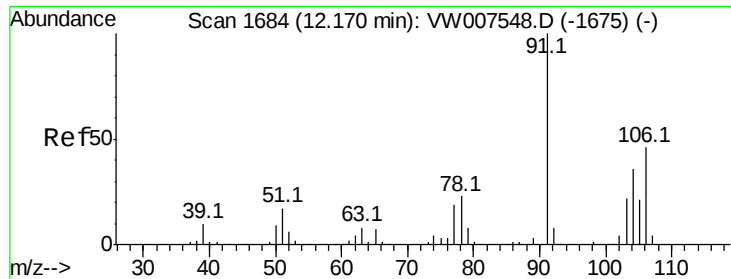
Tgt Ion:106 Resp: 157034

Ion Ratio Lower Upper

106 100

91 206.2 165.3 247.9

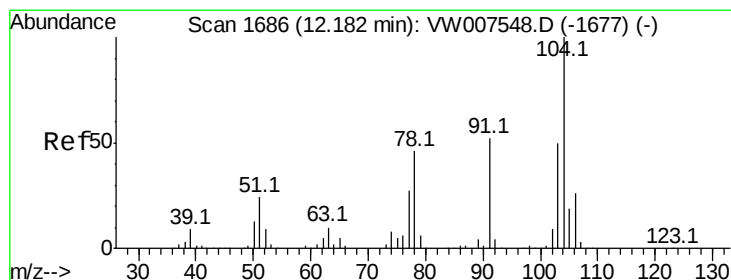
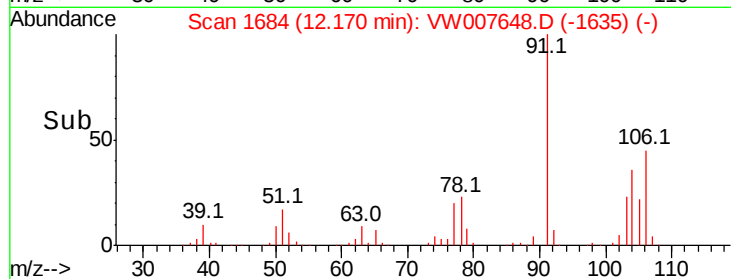
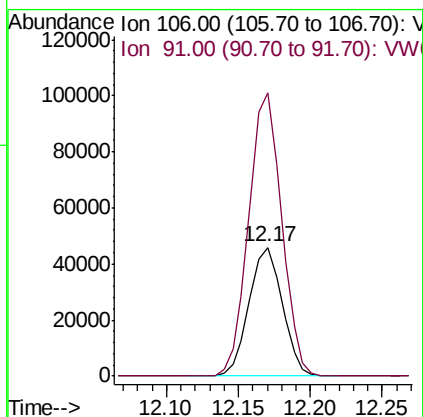
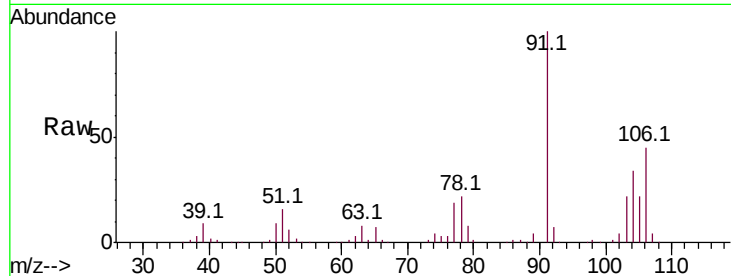




#69
o-Xylene
Concen: 57.007 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW007648.D
Acq: 18 Dec 2018 10:24

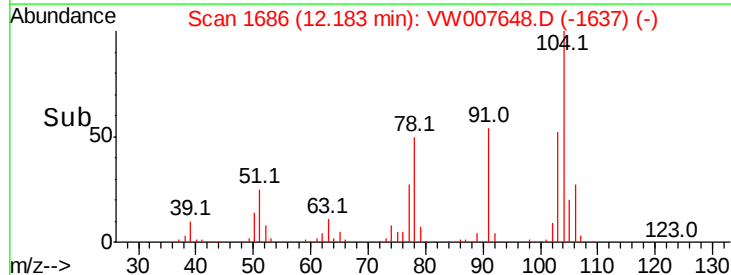
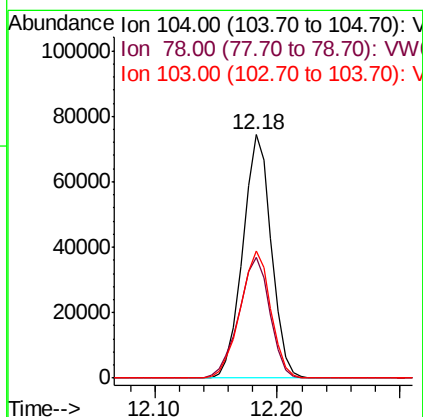
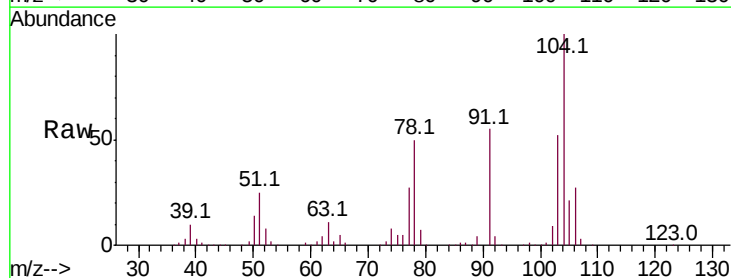
Instrument :
MSVOA_W
ClientSampled :

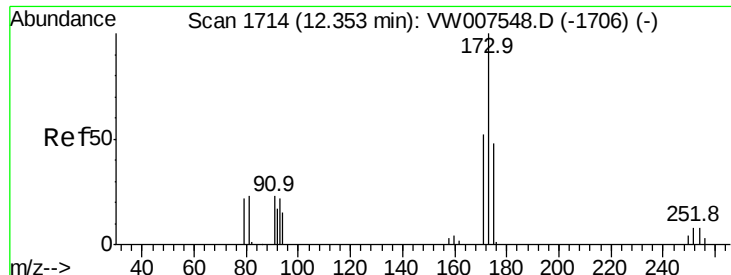
Tot Ion:106 Resp: 73264
Ion Ratio Lower Upper
106 100
91 217.9 106.6 319.8



#70
Styrene
Concen: 57.855 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW007648.D
Acq: 18 Dec 2018 10:24

Tgt Ion:104 Resp: 120096
Ion Ratio Lower Upper
104 100
78 53.7 41.8 62.8
103 56.2 46.6 69.8

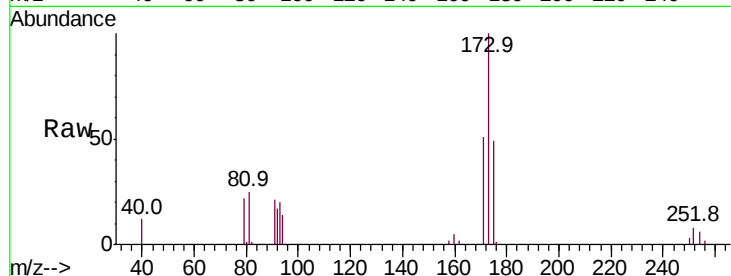




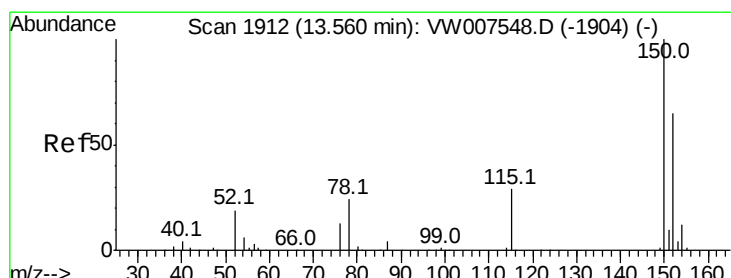
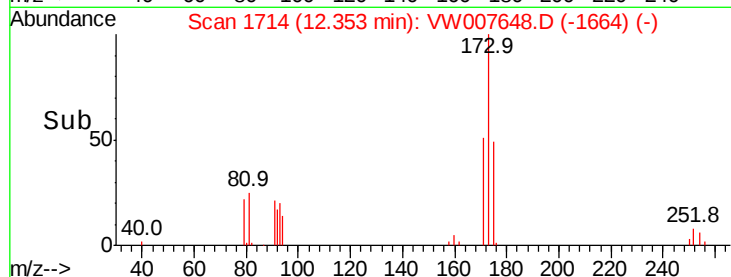
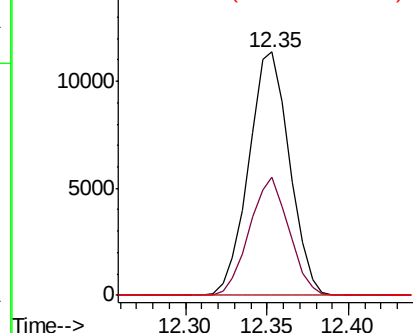
#71
Bromoform
Concen: 53.219 ug/l
RT: 12.35 min Scan# 1714
Delta R.T. 0.01 min
Lab File: VW007648.D
Acq: 18 Dec 2018 10:24

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
173	100		
175	46.8	23.6	70.8
254	0.0	0.0	0.0

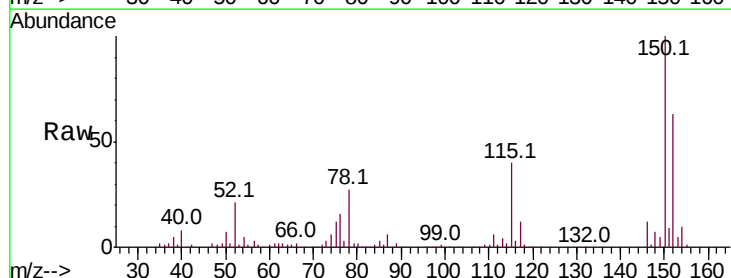


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

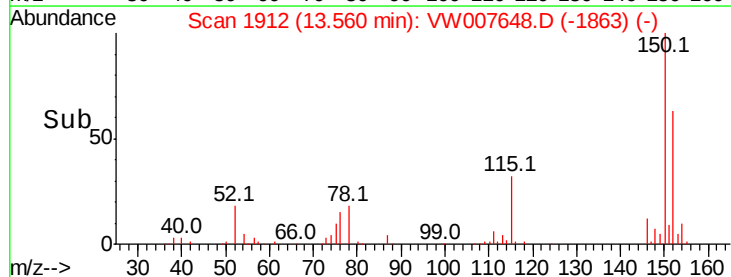
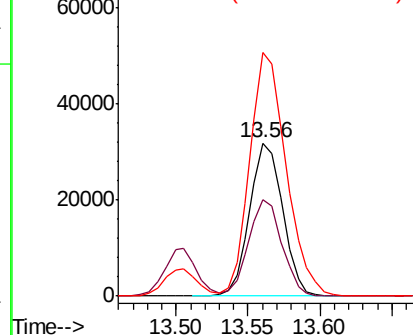


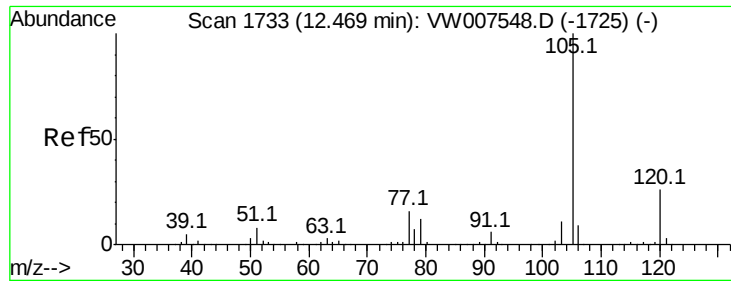
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW007648.D
Acq: 18 Dec 2018 10:24

Tgt Ion	Ratio	Lower	Upper
152	100		
115	63.5	31.4	94.2
150	176.2	0.0	358.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 55.116 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.01 min

Lab File: VW007648.D

Acq: 18 Dec 2018 10:24

Instrument :

MSVOA_W

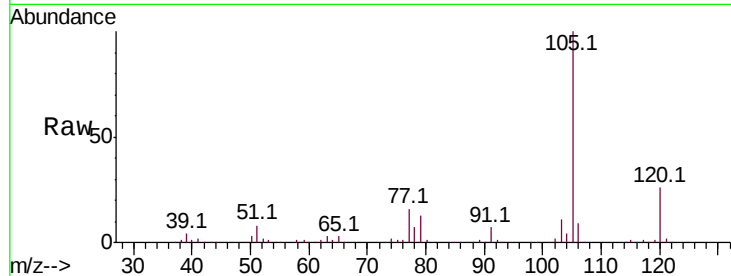
ClientSampled :

Tot Ion:105 Resp: 212203

Ion Ratio Lower Upper

105 100

120 26.3 12.8 38.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

150000

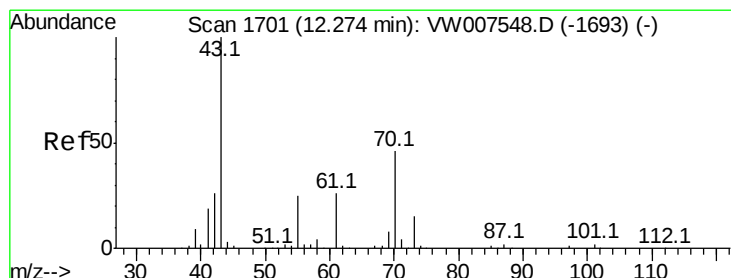
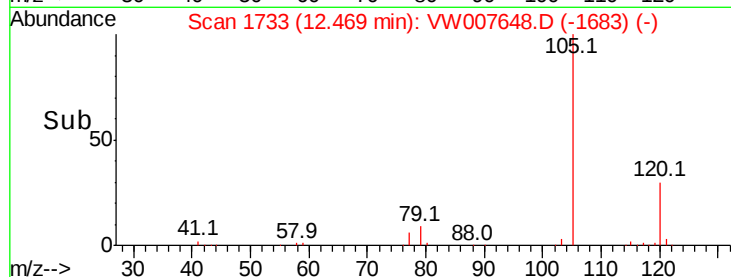
100000

50000

0

Time-->

12.40 12.45 12.50 12.55



#74

N-ethyl acetate

Concen: 46.357 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW007648.D

Acq: 18 Dec 2018 10:24

Tgt Ion: 43 Resp: 32437

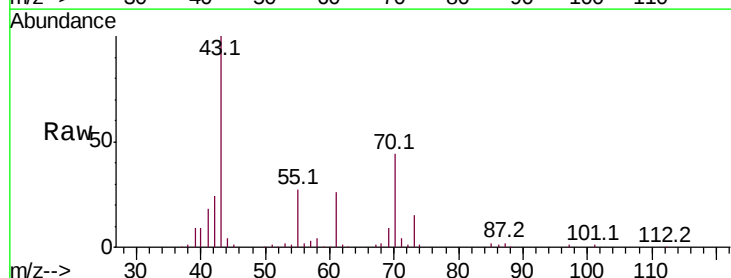
Ion Ratio Lower Upper

43 100

70 45.0 36.5 54.7

55 25.6 20.1 30.1

61 24.8 19.3 28.9



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

30000

25000

20000

15000

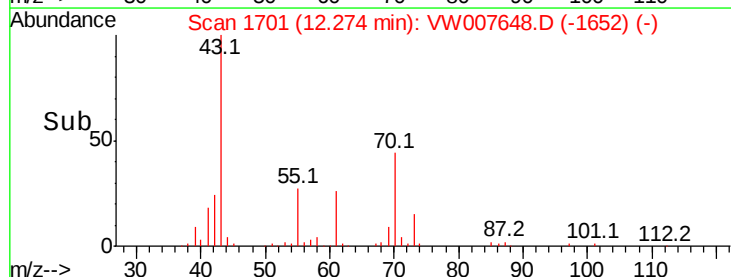
10000

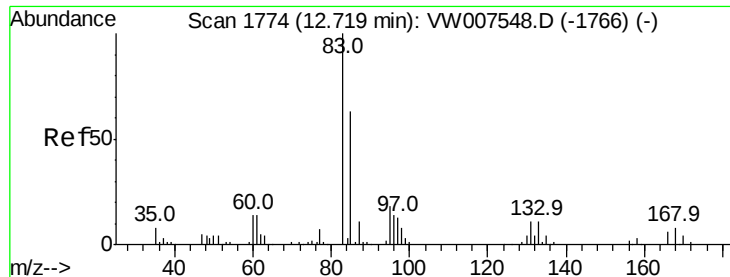
5000

0

Time-->

12.20 12.30





#75

1,1,2,2-Tetrachloroethane

Concen: 49.053 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW007648.D

Acq: 18 Dec 2018 10:24

Instrument :

MSVOA_W

ClientSampleId :

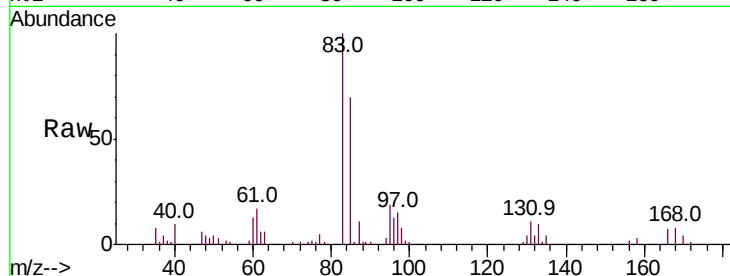
Tot Ion: 83 Resp: 27972

Ion Ratio Lower Upper

83 100

131 12.7 5.9 17.8

85 64.8 30.0 90.0



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW

12.72

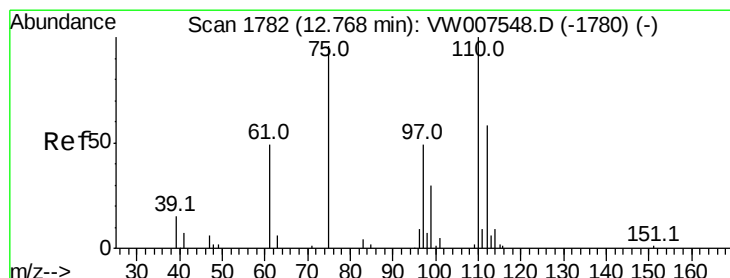
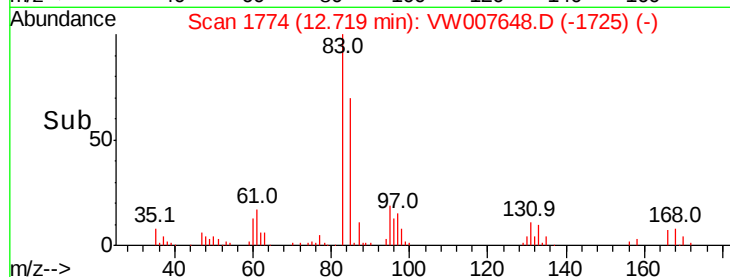
15000

10000

5000

0

Time-->



#76

1,2,3-Trichloropropane

Concen: 96.749 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW007648.D

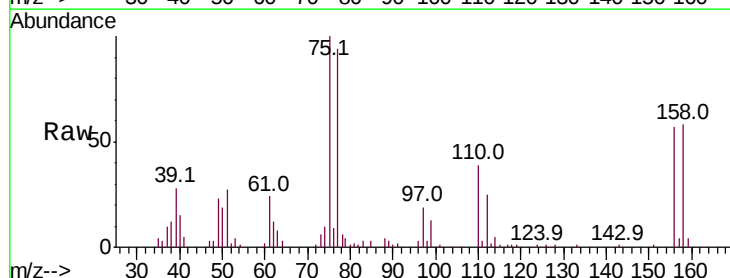
Acq: 18 Dec 2018 10:24

Tgt Ion: 75 Resp: 40083

Ion Ratio Lower Upper

75 100

77 200.7 166.9 500.8



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

50000

40000

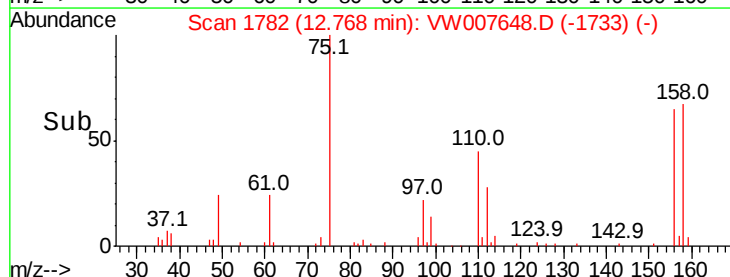
30000

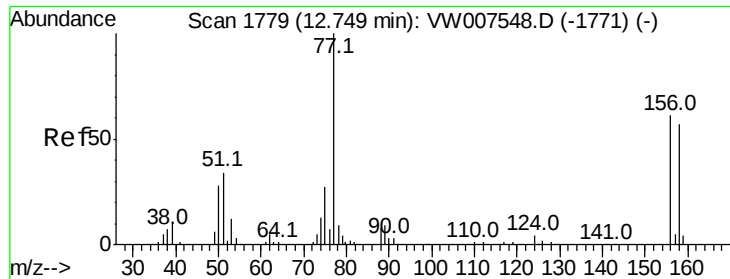
20000

10000

0

Time-->





#77

Bromobenzene

Concen: 54.062 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW007648.D

Acq: 18 Dec 2018 10:24

Instrument :

MSVOA_W

ClientSampleId :

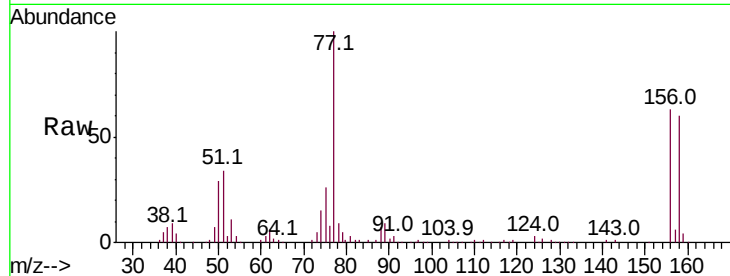
Tot Ion:156 Resp: 46138

Ion Ratio Lower Upper

156 100

77 174.3 88.1 264.4

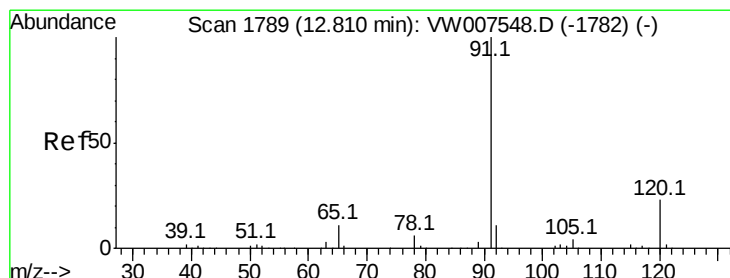
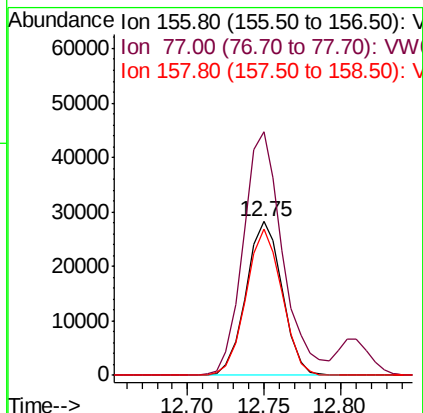
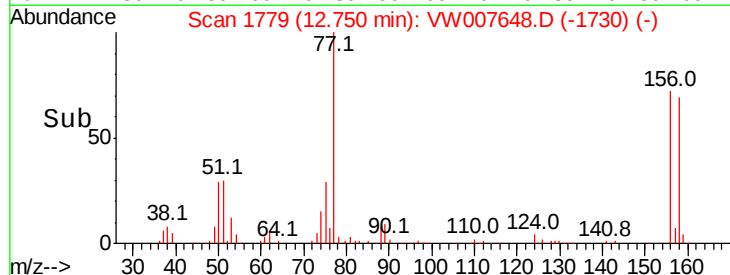
158 94.8 45.6 136.7



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: 57.492 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. 0.01 min

Lab File: VW007648.D

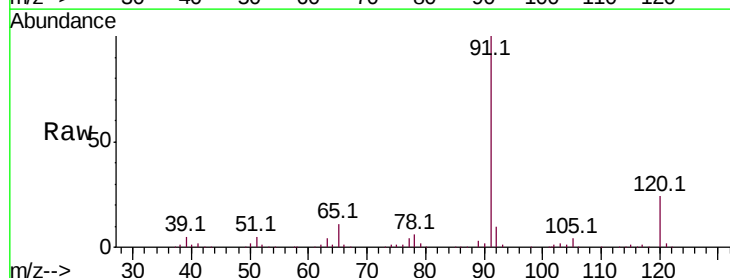
Acq: 18 Dec 2018 10:24

Tgt Ion: 91 Resp: 249111

Ion Ratio Lower Upper

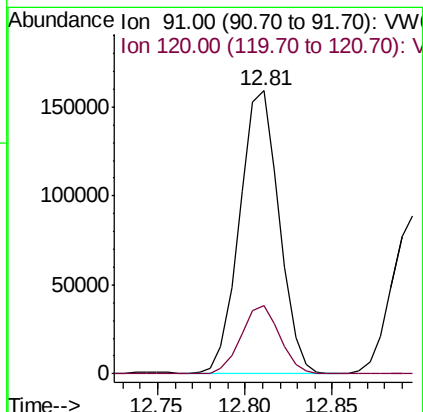
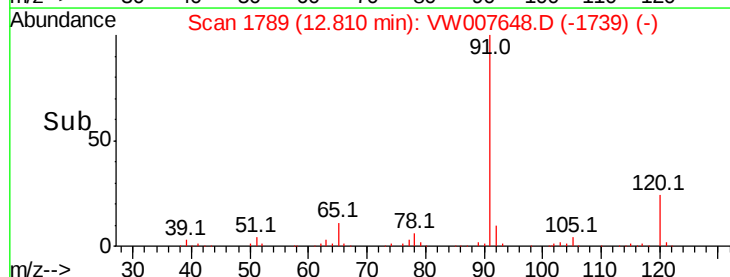
91 100

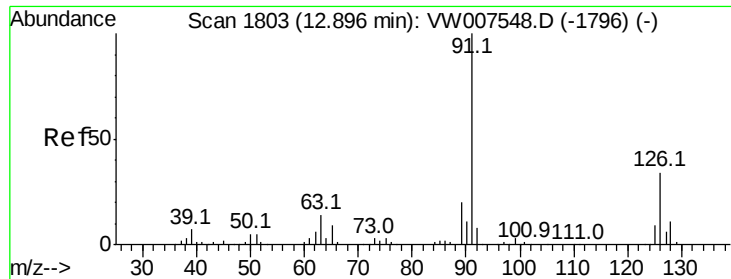
120 23.8 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 53.846 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VW007648.D

Acq: 18 Dec 2018 10:24

Instrument :

MSVOA_W

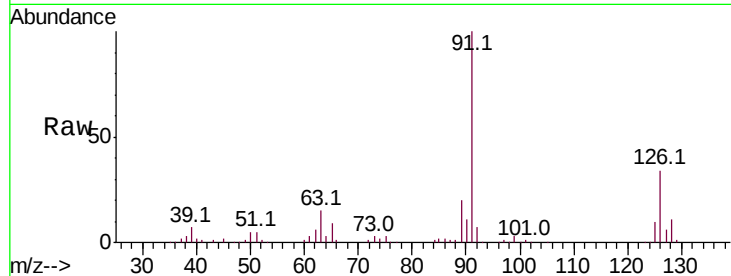
ClientSampleId :

Tot Ion: 91 Resp: 141173

Ion Ratio Lower Upper

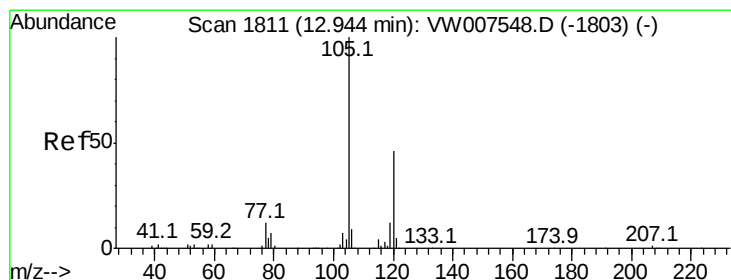
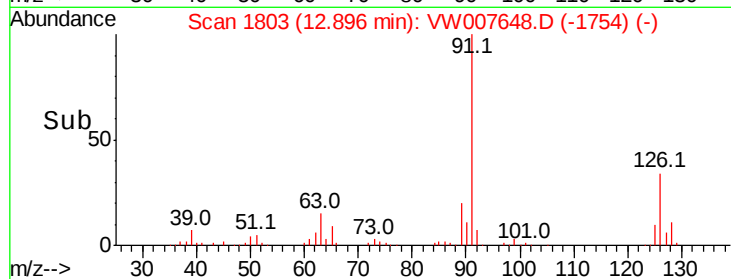
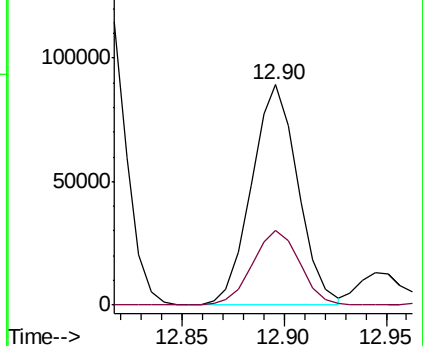
91 100

126 34.3 15.9 47.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 56.068 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW007648.D

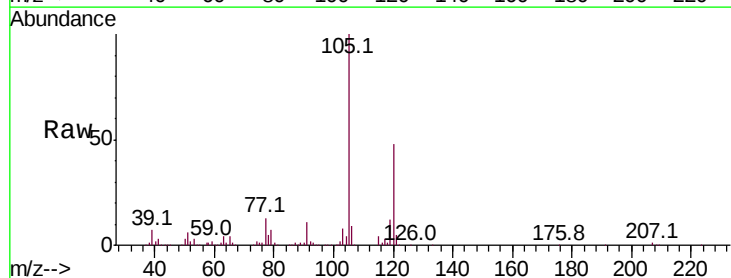
Acq: 18 Dec 2018 10:24

Tgt Ion:105 Resp: 181384

Ion Ratio Lower Upper

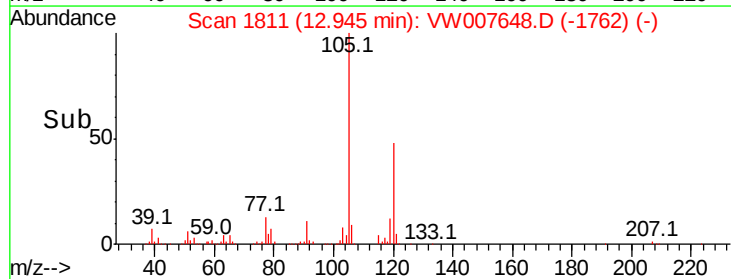
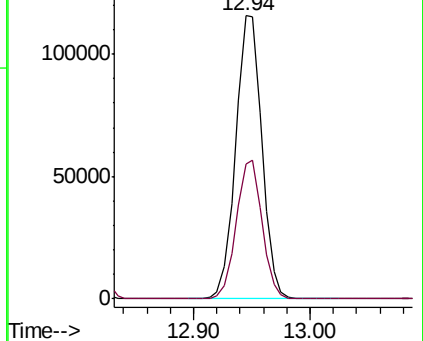
105 100

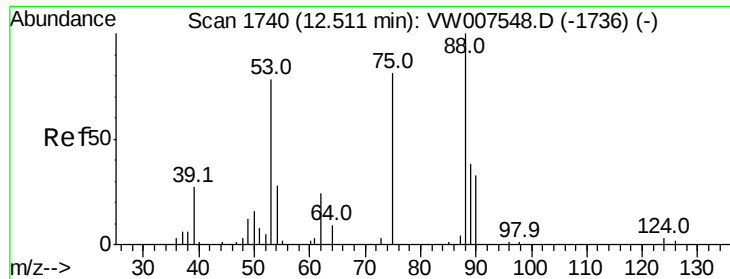
120 47.9 23.8 71.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 50.248 ug/l

RT: 12.52 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VW007648.D

Acq: 18 Dec 2018 10:24

Instrument :

MSVOA_W

ClientSampleId :

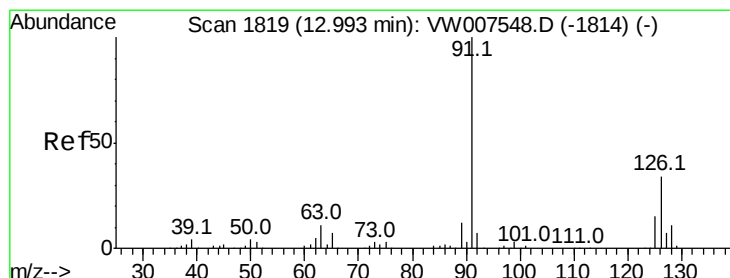
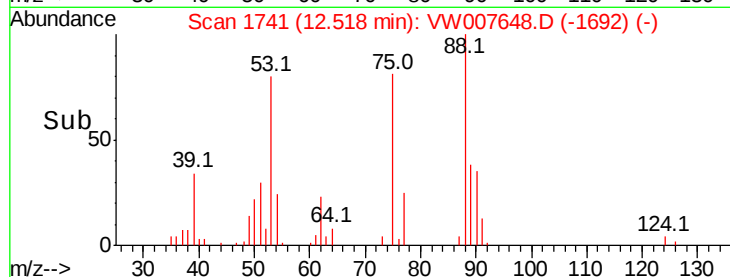
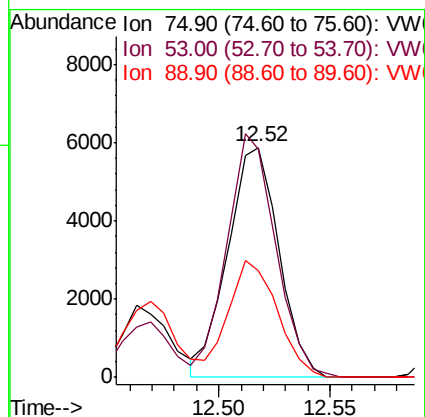
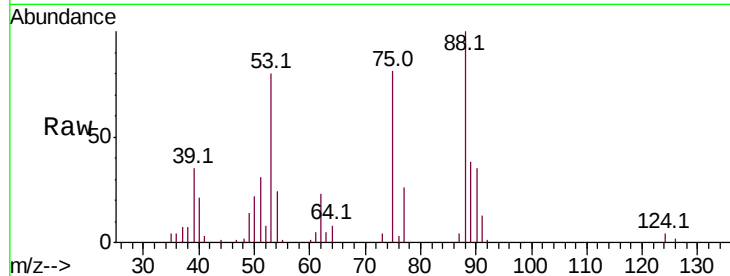
Tot Ion: 75 Resp: 9424

Ion Ratio Lower Upper

75 100

53 100.9 84.9 127.3

89 48.0 40.3 60.5



#82

4-Chlorotoluene

Concen: 54.392 ug/l

RT: 12.99 min Scan# 1819

Delta R.T. 0.00 min

Lab File: VW007648.D

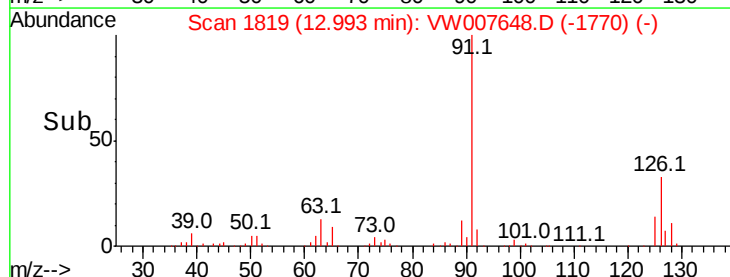
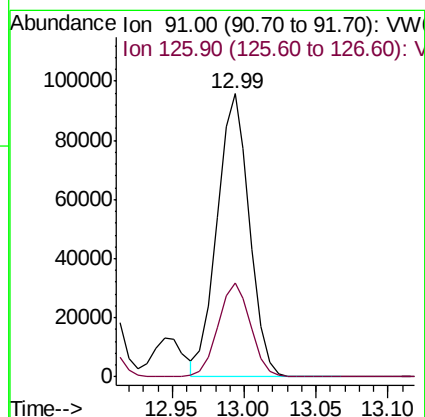
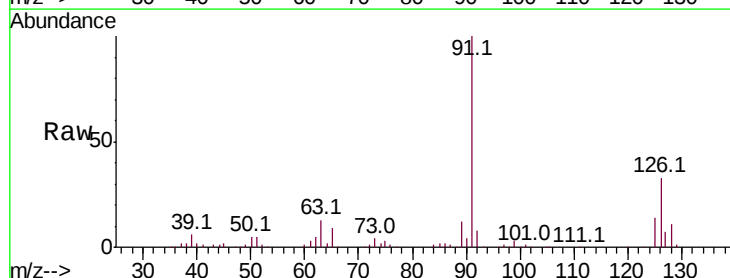
Acq: 18 Dec 2018 10:24

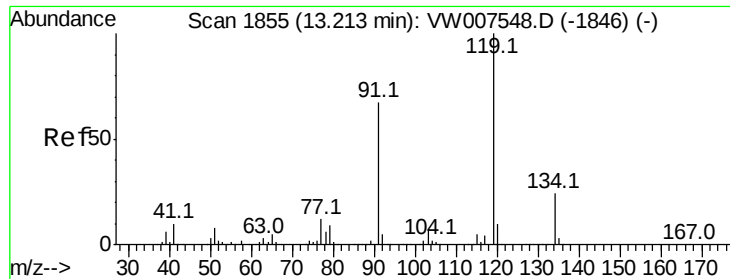
Tgt Ion: 91 Resp: 150318

Ion Ratio Lower Upper

91 100

126 33.4 16.0 48.0

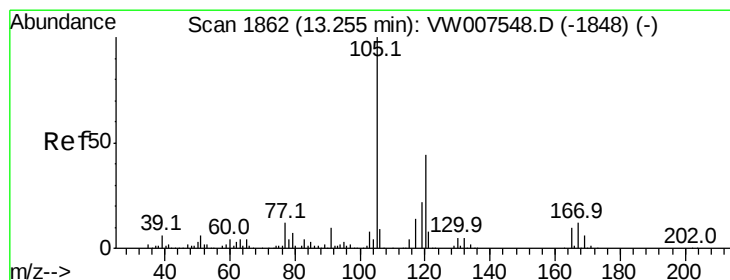
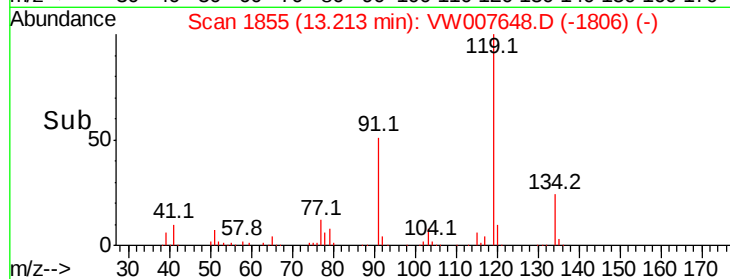
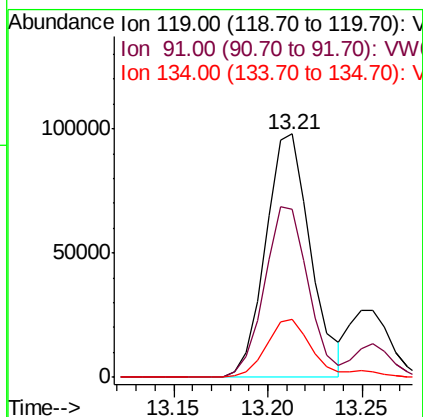
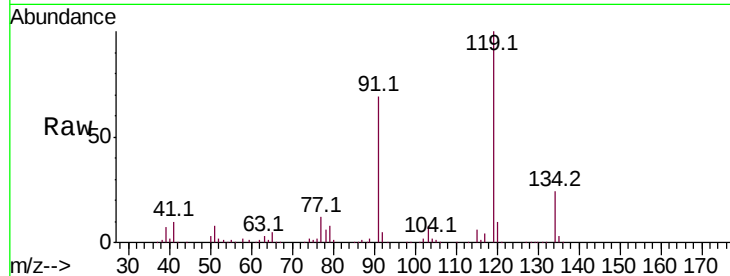




#83
tert-Butylbenzene
Concen: 56.784 ug/l
RT: 13.21 min Scan# 1855
Delta R.T. 0.00 min
Lab File: VW007648.D
Acq: 18 Dec 2018 10:24

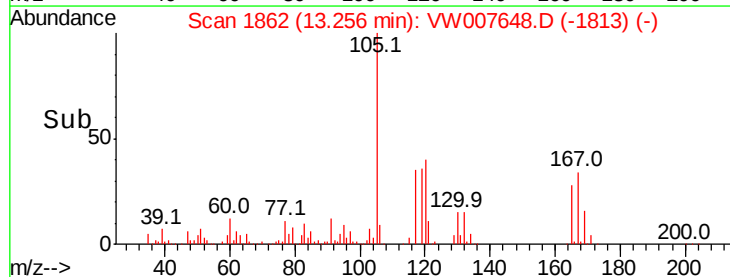
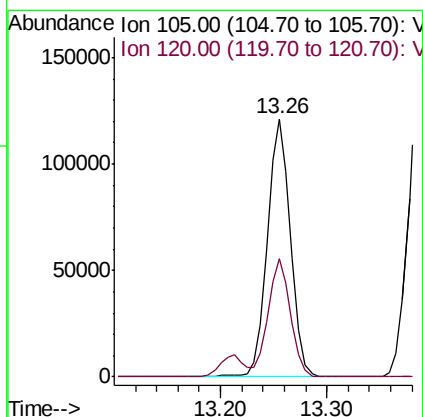
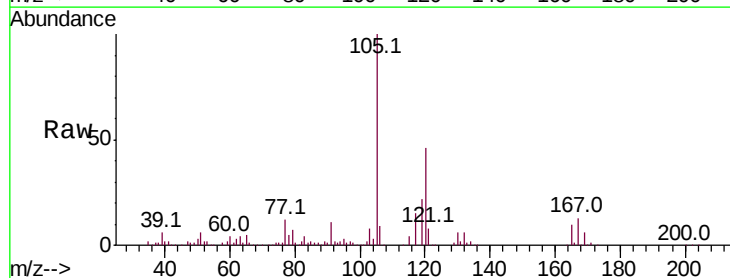
Instrument :
MSVOA_W
ClientSampled :

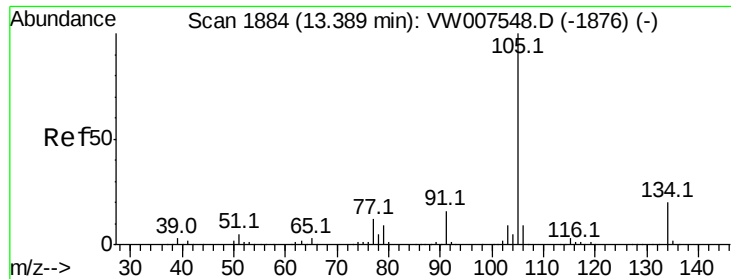
Tot Ion:119 Resp: 161865
Ion Ratio Lower Upper
119 100
91 68.4 33.1 99.2
134 25.4 12.5 37.5



#84
1,2,4-Trimethylbenzene
Concen: 54.904 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VW007648.D
Acq: 18 Dec 2018 10:24

Tgt Ion:105 Resp: 182776
Ion Ratio Lower Upper
105 100
120 44.7 22.6 67.7

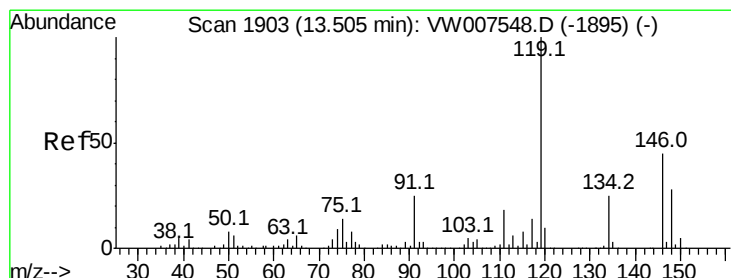
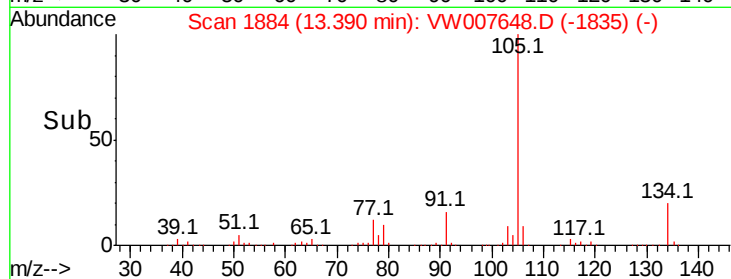
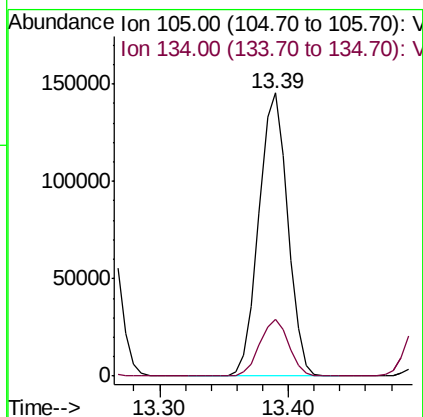
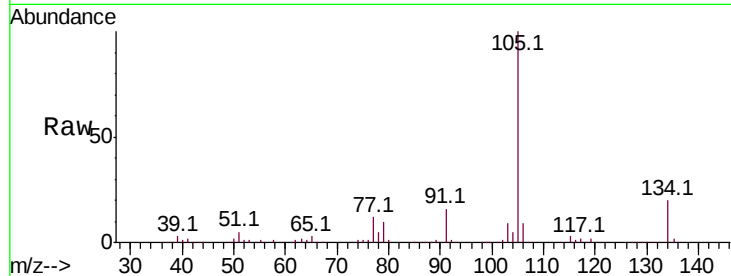




#85
 sec-Butylbenzene
 Concen: 57.910 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. 0.00 min
 Lab File: VW007648.D
 Acq: 18 Dec 2018 10:24

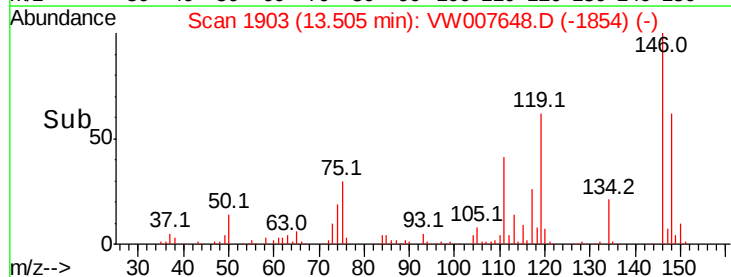
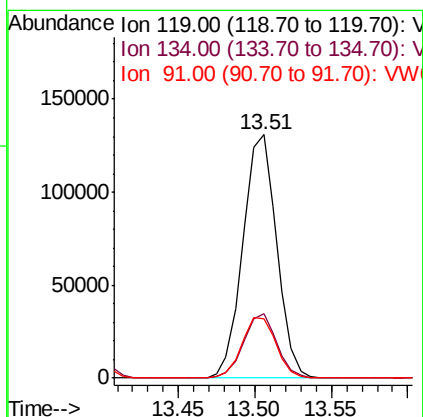
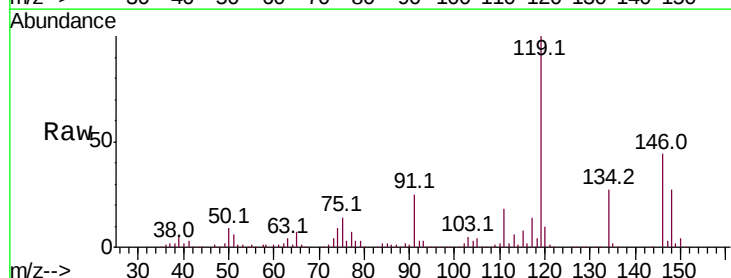
Instrument :
 MSVOA_W
 ClientSampleId :

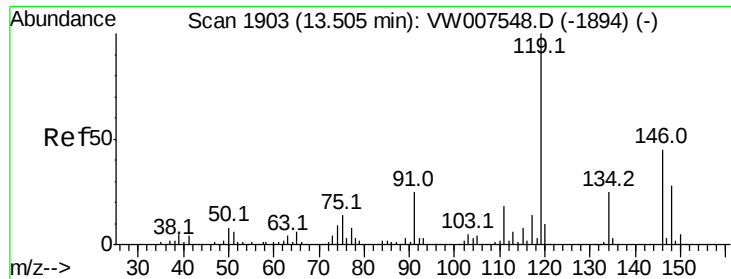
Tot Ion:105 Resp: 225347
 Ion Ratio Lower Upper
 105 100
 134 20.1 11.1 33.3



#86
 p-Isopropyltoluene
 Concen: 57.483 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.00 min
 Lab File: VW007648.D
 Acq: 18 Dec 2018 10:24

Tgt Ion:119 Resp: 200951
 Ion Ratio Lower Upper
 119 100
 134 26.1 12.9 38.7
 91 25.4 11.9 35.9

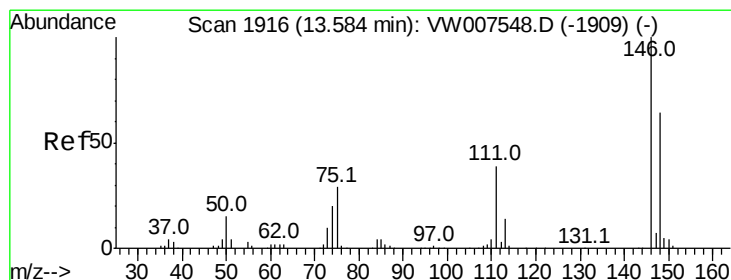
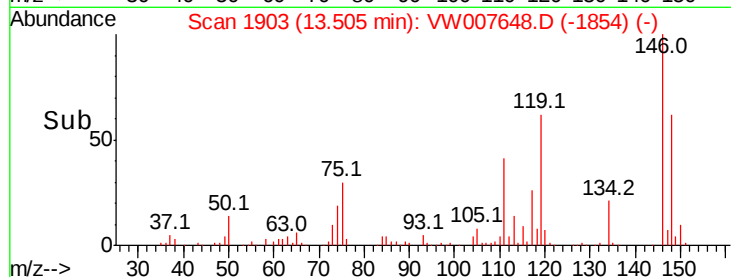
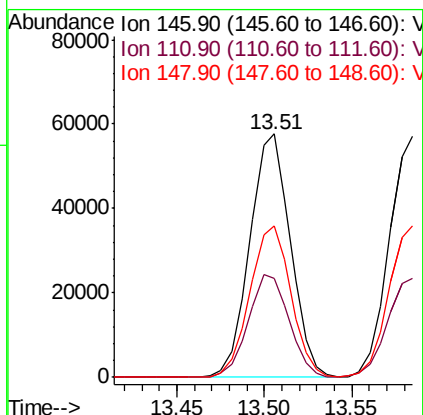
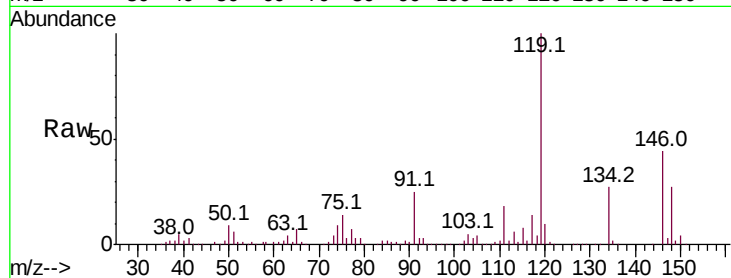




#87
 1,3-Dichlorobenzene
 Concen: 54.738 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.00 min
 Lab File: VW007648.D
 Acq: 18 Dec 2018 10:24

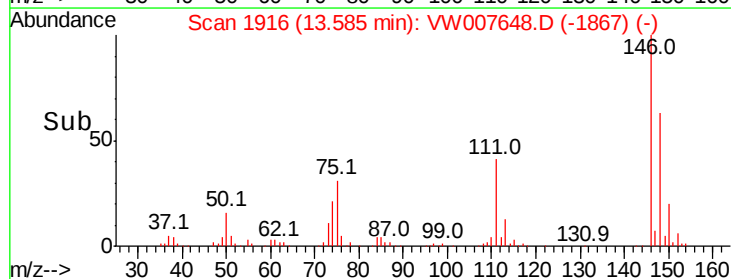
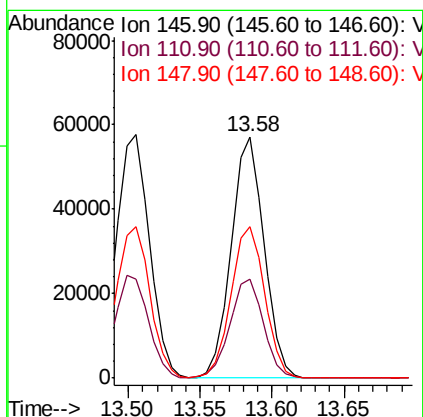
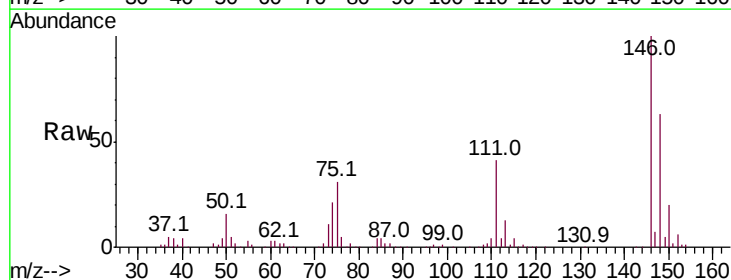
Instrument :
 MSVOA_W
 ClientSampleId :

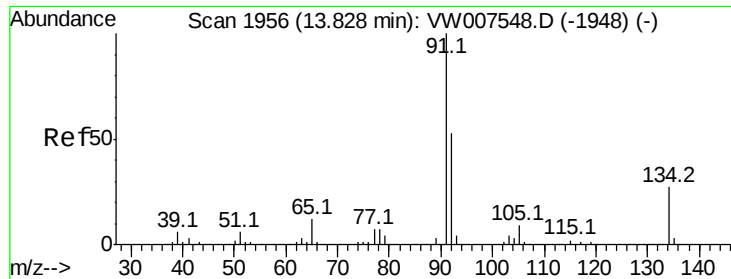
Tot Ion:146 Resp: 93139
 Ion Ratio Lower Upper
 146 100
 111 42.4 20.1 60.3
 148 62.8 31.4 94.0



#88
 1,4-Dichlorobenzene
 Concen: 53.362 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VW007648.D
 Acq: 18 Dec 2018 10:24

Tgt Ion:146 Resp: 91282
 Ion Ratio Lower Upper
 146 100
 111 41.9 20.3 61.0
 148 64.2 33.5 100.5





#89

n-Butylbenzene

Concen: 57.692 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VW007648.D

Acq: 18 Dec 2018 10:24

Instrument :

MSVOA_W

ClientSampleId :

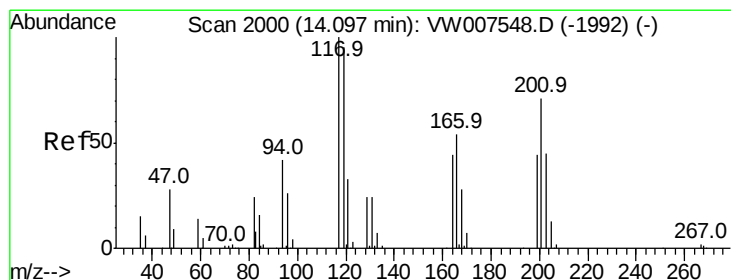
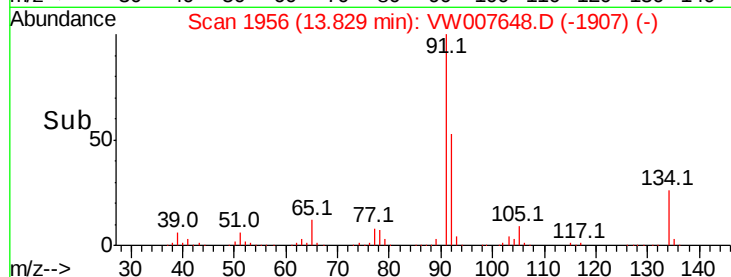
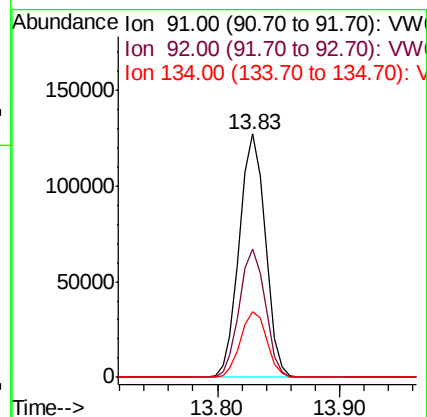
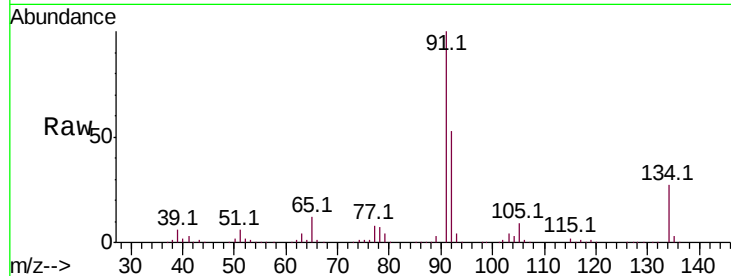
Tot Ion: 91 Resp: 186970

Ion Ratio Lower Upper

91 100

92 53.0 25.7 77.1

134 27.4 13.4 40.2



#90

Hexachloroethane

Concen: 57.677 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. 0.00 min

Lab File: VW007648.D

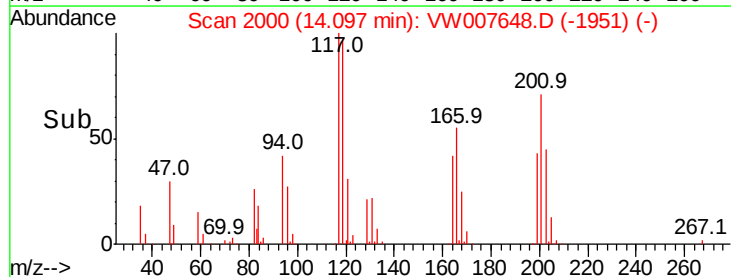
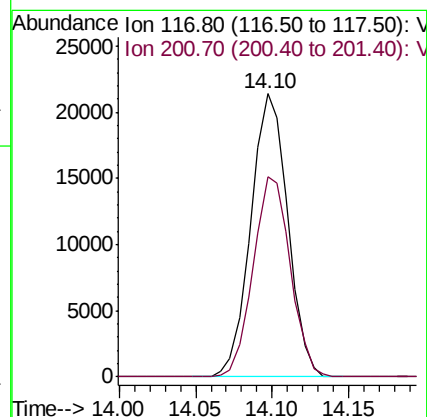
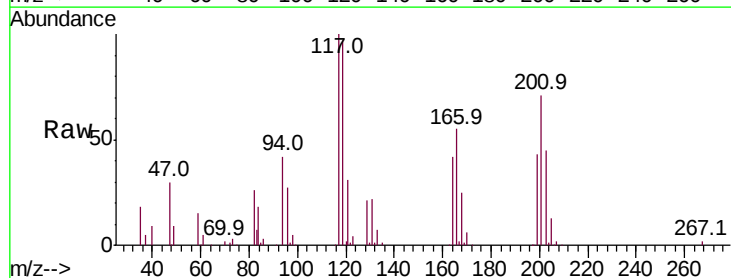
Acq: 18 Dec 2018 10:24

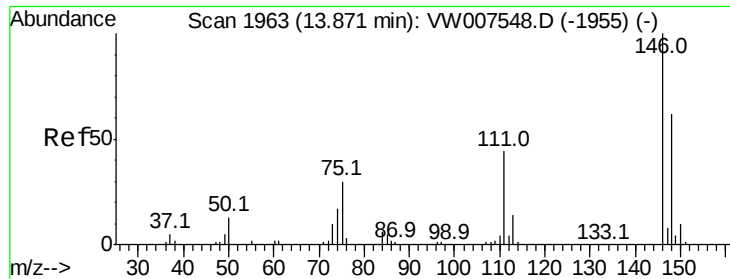
Tgt Ion: 117 Resp: 35876

Ion Ratio Lower Upper

117 100

201 71.3 35.3 105.9





#91

1,2-Dichlorobenzene

Concen: 53.770 ug/l

RT: 13.88 min Scan# 1964

Delta R.T. 0.00 min

Lab File: VW007648.D

Acq: 18 Dec 2018 10:24

Instrument :

MSVOA_W

ClientSampleId :

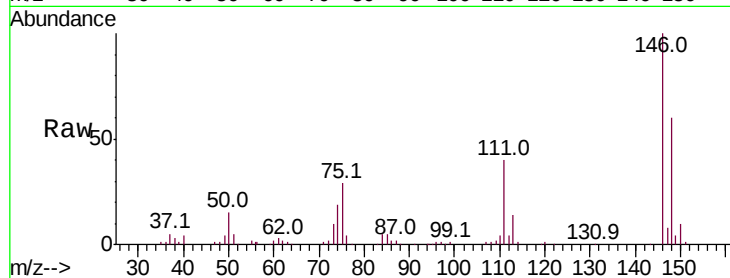
Tot Ion:146 Resp: 81946

Ion Ratio Lower Upper

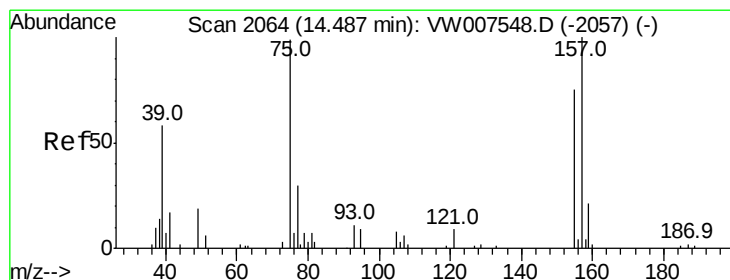
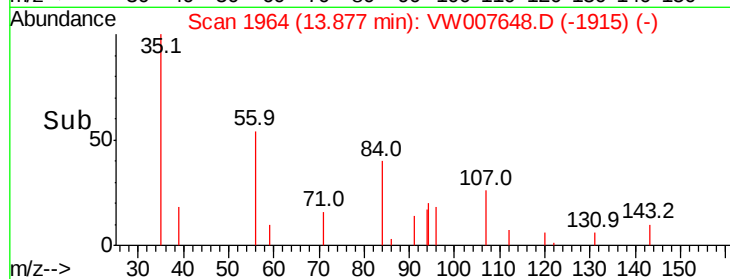
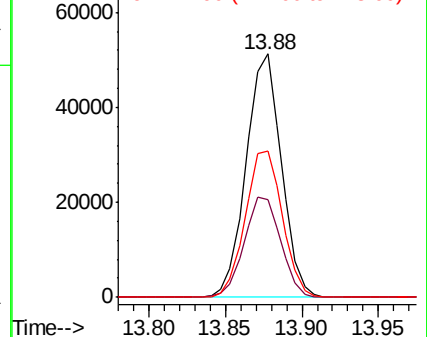
146 100

111 42.9 22.4 67.2

148 63.4 32.4 97.2



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 48.245 ug/l

RT: 14.49 min Scan# 2064

Delta R.T. -0.01 min

Lab File: VW007648.D

Acq: 18 Dec 2018 10:24

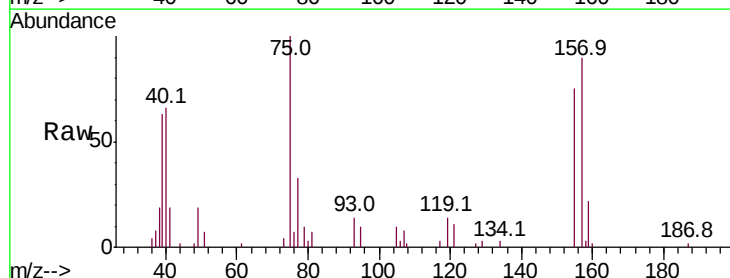
Tgt Ion: 75 Resp: 5521

Ion Ratio Lower Upper

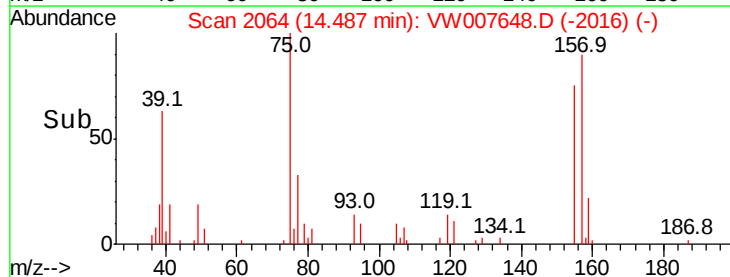
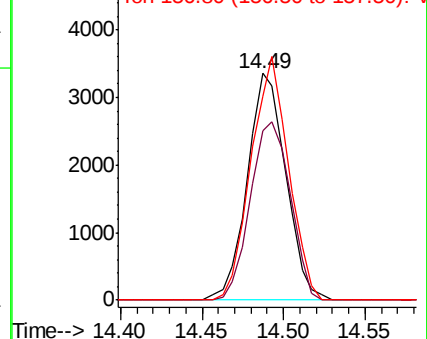
75 100

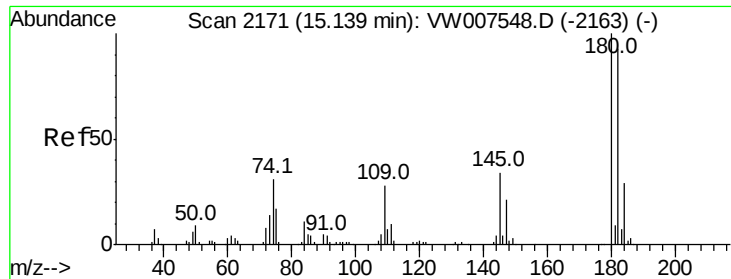
155 81.6 40.8 122.2

157 104.1 51.1 153.4



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V

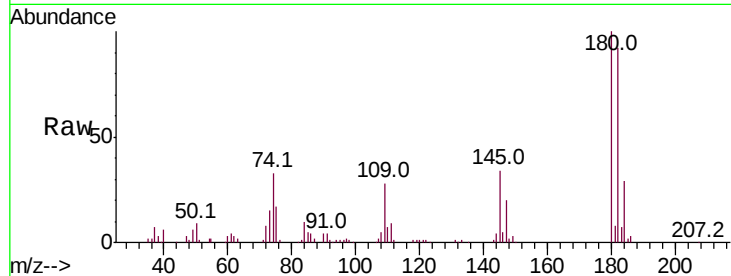




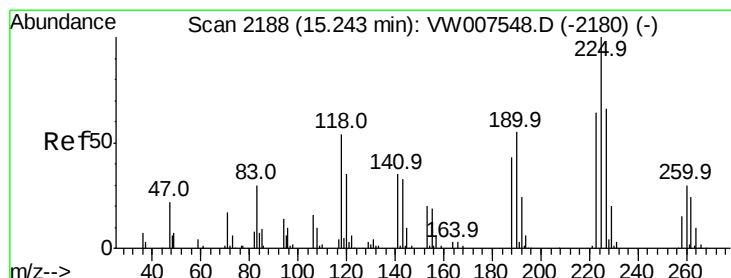
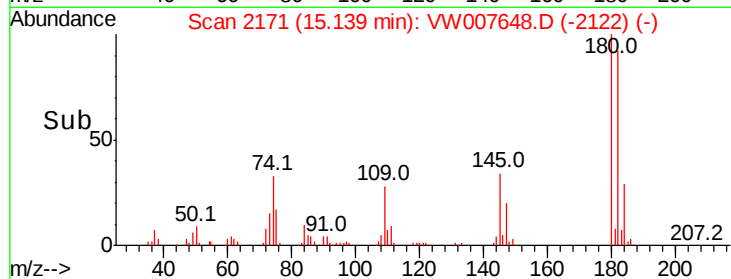
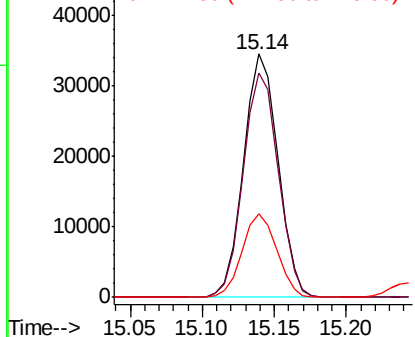
#93
 1,2,4-Trichlorobenzene
 Concen: 54.504 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW007648.D
 Acq: 18 Dec 2018 10:24

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:180 Resp: 57164
 Ion Ratio Lower Upper
 180 100
 182 94.1 49.9 149.6
 145 34.7 17.8 53.4

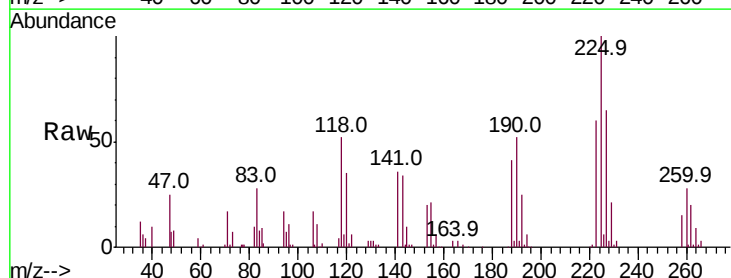


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

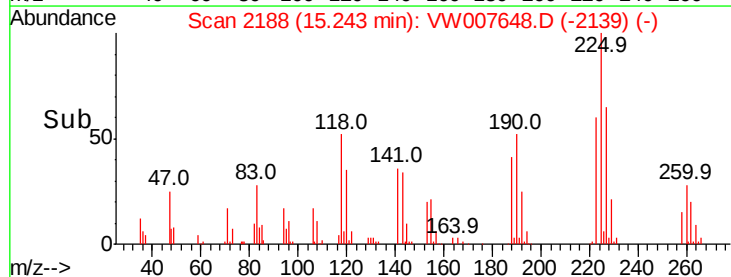
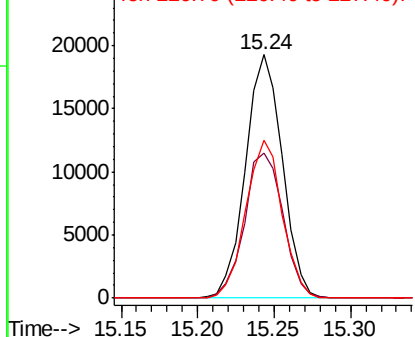


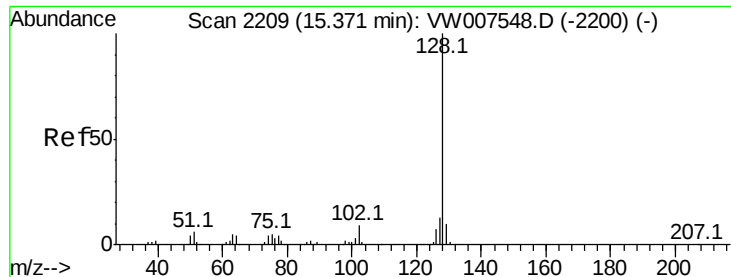
#94
 Hexachlorobutadiene
 Concen: 57.998 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.00 min
 Lab File: VW007648.D
 Acq: 18 Dec 2018 10:24

Tgt Ion:225 Resp: 32275
 Ion Ratio Lower Upper
 225 100
 223 62.4 32.1 96.3
 227 64.1 31.9 95.9



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

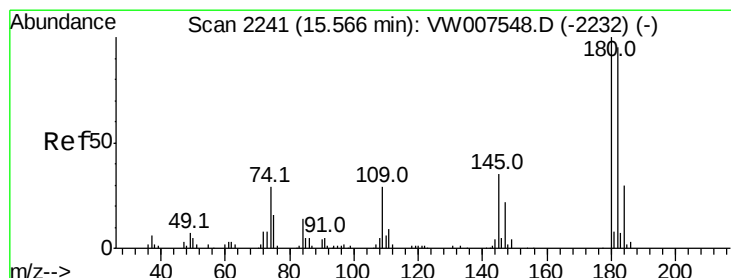
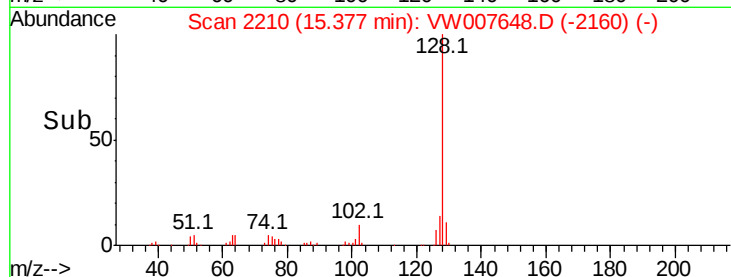
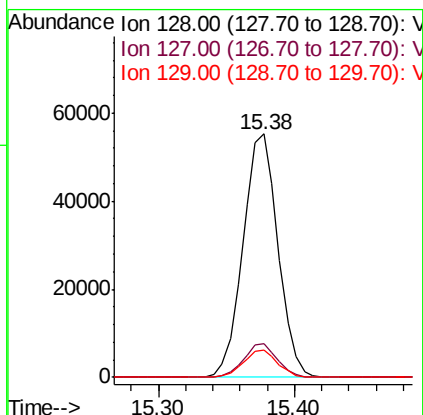
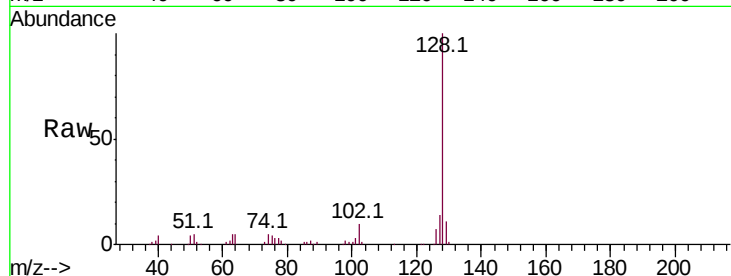




#95
Naphthalene
Concen: 49.385 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. 0.01 min
Lab File: VW007648.D
Acq: 18 Dec 2018 10:24

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:128 Resp: 99087
Ion Ratio Lower Upper
128 100
127 13.2 10.2 15.4
129 11.0 8.3 12.5



#96
1,2,3-Trichlorobenzene
Concen: 52.608 ug/l
RT: 15.57 min Scan# 2241
Delta R.T. 0.01 min
Lab File: VW007648.D
Acq: 18 Dec 2018 10:24

Tgt Ion:180 Resp: 47930
Ion Ratio Lower Upper
180 100
182 93.5 45.6 136.7
145 35.4 17.5 52.5

