

Data File : VW008643.D
Acq On : 13 Feb 2019 16:29
Operator : SY/VA
Sample : VSTDIC150
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Quant Time: Feb 14 03:49:10 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W021319S.M
Quant Title : SW846 8260
QLast Update : Thu Feb 14 03:43:11 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	421053	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	660741	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	610570	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	321177	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	663255	151.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	303.04%	
35) Dibromofluoromethane	7.88	113	592562	144.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	288.86%	
50) Toluene-d8	10.32	98	2348283	148.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	296.96%	
62) 4-Bromofluorobenzene	12.62	95	921462	154.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	309.36%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	401957	149.049	ug/l	95
3) Chloromethane	2.21	50	610189	156.954	ug/l	99
4) Vinyl Chloride	2.37	62	796259	155.924	ug/l	99
5) Bromomethane	2.77	94	588707	145.687	ug/l	97
6) Chloroethane	2.92	64	566916	149.193	ug/l	98
7) Trichlorofluoromethane	3.25	101	675292	169.782	ug/l	98
8) Diethyl Ether	3.67	74	335458	141.334	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.04	101	589339	140.211	ug/l	97
10) Methyl Iodide	4.26	142	901331	137.390	ug/l	99
11) Tert butyl alcohol	5.17	59	254623	740.998	ug/l	99
12) 1,1-Dichloroethene	4.03	96	573751	139.579	ug/l	97
13) Acrolein	3.89	56	255697	708.608	ug/l	98
14) Allyl chloride	4.65	41	993137	145.420	ug/l	100
15) Acrylonitrile	5.36	53	743922	744.643	ug/l	99
16) Acetone	4.12	43	743496	748.980	ug/l	97
17) Carbon Disulfide	4.37	76	1761961	142.038	ug/l	100
18) Methyl Acetate	4.67	43	336455	147.814	ug/l	98
19) Methyl tert-butyl Ether	5.42	73	993875	137.732	ug/l	98
20) Methylene Chloride	4.90	84	580195	101.785	ug/l	95
21) trans-1,2-Dichloroethene	5.41	96	624498	138.727	ug/l	94
22) Diisopropyl ether	6.31	45	2034294	147.998	ug/l	97
23) Vinyl Acetate	6.25	43	6981940	782.638	ug/l	99
24) 1,1-Dichloroethane	6.21	63	1124398	141.761	ug/l	100
25) 2-Butanone	7.17	43	1094538	778.167	ug/l	100
26) 2,2-Dichloropropane	7.16	77	680427	137.322	ug/l	99
27) cis-1,2-Dichloroethene	7.16	96	676975	139.073	ug/l	97
28) Bromochloromethane	7.51	49	545584	162.944	ug/l	98
29) Tetrahydrofuran	7.52	42	715019	771.254	ug/l	99
30) Chloroform	7.67	83	1139913	143.429	ug/l	95
31) Cyclohexane	7.95	56	1060169	132.427	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	950393	141.594	ug/l	98
36) 1,1-Dichloropropene	8.08	75	924943	139.334	ug/l	99
37) Ethyl Acetate	7.25	43	475052	148.351	ug/l	98
38) Carbon Tetrachloride	8.06	117	939947	142.394	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	1179468	140.474	ug/l	99
40) Benzene	8.32	78	2514368	138.687	ug/l	99
41) Methacrylonitrile	7.48	41	297882	165.335	ug/l	94
42) 1,2-Dichloroethane	8.40	62	797322	141.783	ug/l	100
43) Isopropyl Acetate	8.42	43	967155	151.467	ug/l	100
44) Trichloroethene	9.09	130	690207	137.305	ug/l	96
45) 1,2-Dichloropropane	9.37	63	623121	138.878	ug/l	99
46) Dibromomethane	9.46	93	347018	140.401	ug/l	99
47) Bromodichloromethane	9.64	83	867832	146.099	ug/l	100
48) Methyl methacrylate	9.43	41	463787	156.730	ug/l	97
49) 1,4-Dioxane	9.45	88	115133	2918.242	ug/l	97
51) 4-Methyl-2-Pentanone	10.21	43	2544705	775.817	ug/l	100
52) Toluene	10.38	92	1685470	144.107	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	952359	152.616	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	1033541	146.107	ug/l	96
55) 1,1,2-Trichloroethane	10.79	97	484477	142.856	ug/l	99
56) Ethyl methacrylate	10.65	69	708841	157.406	ug/l	97
57) 1,3-Dichloropropane	10.93	76	860101	142.941	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	1743117	806.909	ug/l	98
59) 2-Hexanone	10.97	43	1820335	790.000	ug/l	99
60) Dibromochloromethane	11.13	129	612978	151.061	ug/l	99
61) 1,2-Dibromoethane	11.23	107	488044	146.159	ug/l	99
64) Tetrachloroethene	10.86	164	615325	135.521	ug/l	100
65) Chlorobenzene	11.66	112	1813576	137.810	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	662285	142.062	ug/l	99
67) Ethyl Benzene	11.73	91	3357994	143.247	ug/l	99
68) m/p-Xylenes	11.84	106	2600682	285.130	ug/l	99
69) o-Xylene	12.16	106	1253725	145.416	ug/l	98
70) Styrene	12.18	104	2141706	152.087	ug/l	99
71) Bromoform	12.35	173	400236	159.335	ug/l #	98
73) Isopropylbenzene	12.46	105	3540308	147.983	ug/l	100
74) N-amyl acetate	12.27	43	1060297	163.893	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	620143	148.986	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	866741	226.107	ug/l #	100
77) Bromobenzene	12.75	156	763074	138.757	ug/l	96
78) n-propylbenzene	12.80	91	4131028	145.327	ug/l	99
79) 2-Chlorotoluene	12.90	91	2313908	144.030	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	2871195	144.489	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	219910	169.496	ug/l	99
82) 4-Chlorotoluene	12.99	91	2480051	145.666	ug/l	99
83) tert-Butylbenzene	13.21	119	2471457	143.234	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	2951440	144.509	ug/l	100
85) sec-Butylbenzene	13.38	105	3595905	143.127	ug/l	99
86) p-Isopropyltoluene	13.50	119	3371511	150.005	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	1597673	143.311	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	1513039	137.711	ug/l	99
89) n-Butylbenzene	13.83	91	3114558	145.823	ug/l	99
90) Hexachloroethane	14.10	117	582603	148.368	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	1369068	138.610	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	107898	149.170	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW021319\
Quantitation Report (Not Reviewed)

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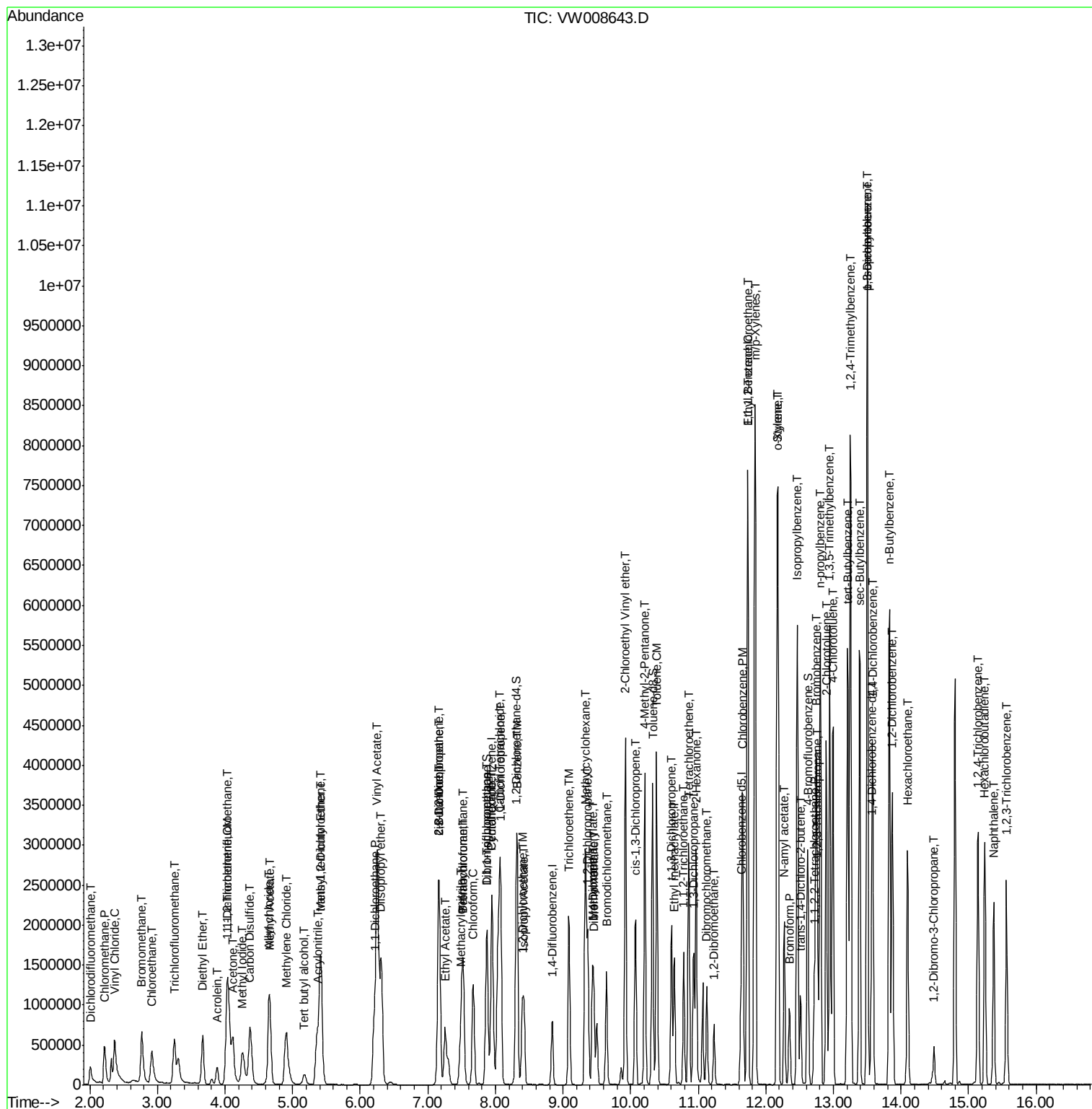
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	958401	136.311	ug/l	100
94) Hexachlorobutadiene	15.24	225	551220	134.683	ug/l	99
95) Naphthalene	15.37	128	1852608	147.032	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	831366	137.794	ug/l	100

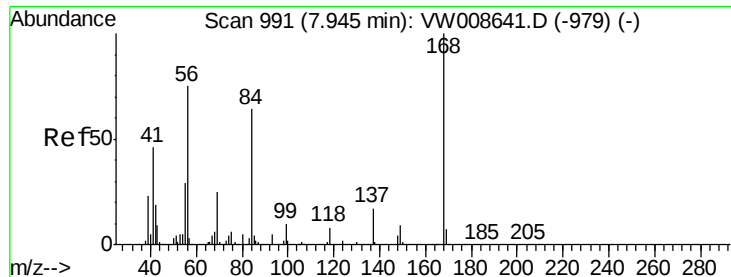
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Data File : VW008643.D
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Client Sample Id :
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Quant Time: Feb 14 03:49:10 2019
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Quant Title : SW846 8260
QLast Update : Thu Feb 14 03:43:11 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW008643.D

Acq: 13 Feb 2019 16:29

Instrument :

MSVOA_W

ClientSampleId :

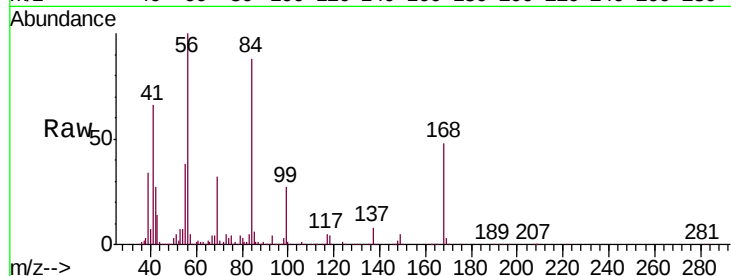
VSTDIC150

Tgt Ion:168 Resp: 421053

Ion Ratio Lower Upper

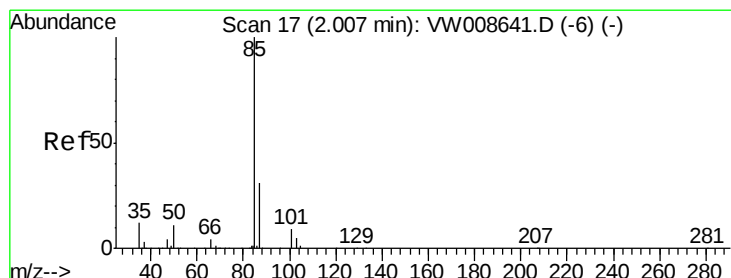
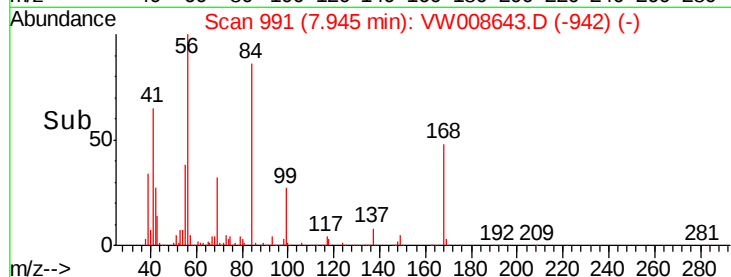
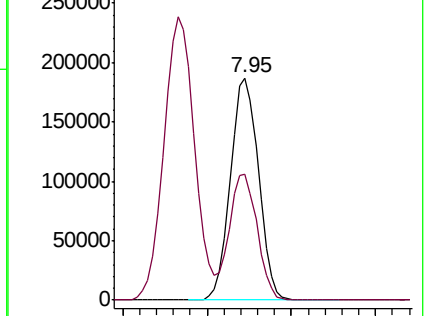
168 100

99 56.7 42.8 64.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 149.049 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW008643.D

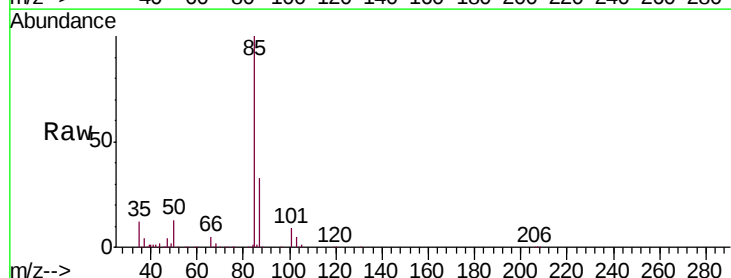
Acq: 13 Feb 2019 16:29

Tgt Ion: 85 Resp: 401957

Ion Ratio Lower Upper

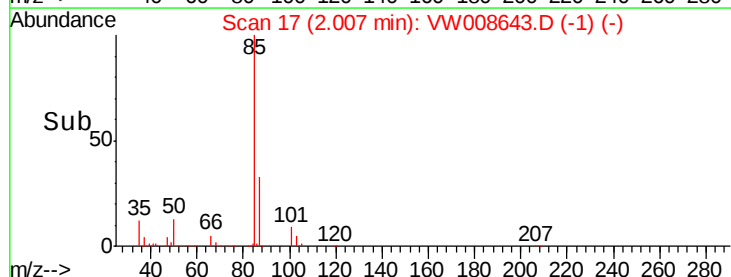
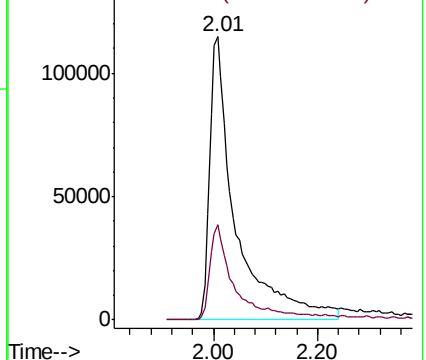
85 100

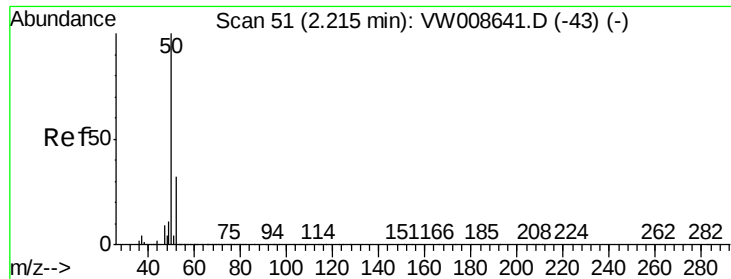
87 33.5 15.4 46.4



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 156.954 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW008643.D

Acq: 13 Feb 2019 16:29

Instrument :

MSVOA_W

ClientSampleId :

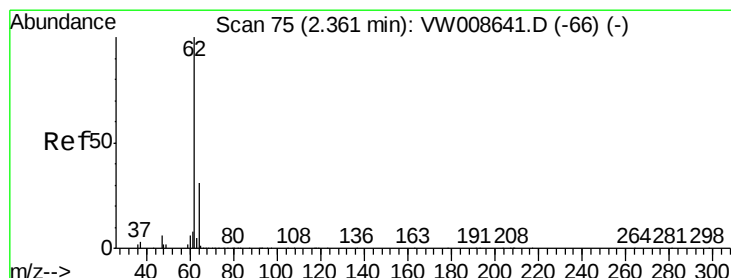
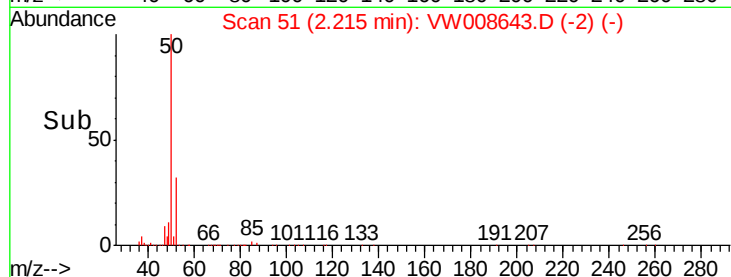
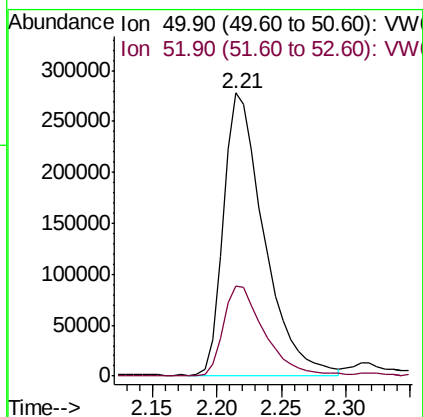
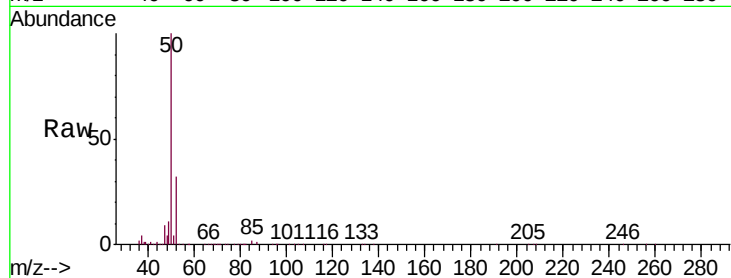
VSTDIC150

Tgt Ion: 50 Resp: 610189

Ion Ratio Lower Upper

50 100

52 31.9 26.0 39.0



#4

Vinyl Chloride

Concen: 155.924 ug/l

RT: 2.37 min Scan# 76

Delta R.T. 0.01 min

Lab File: VW008643.D

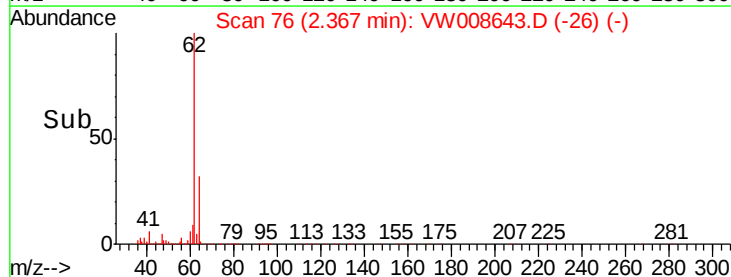
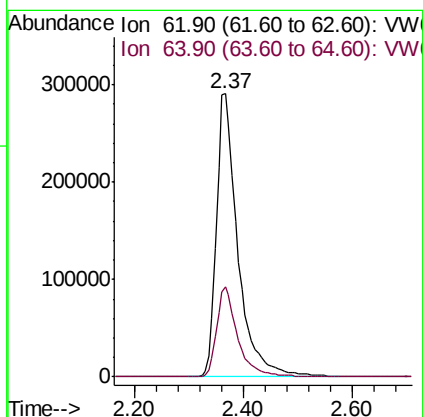
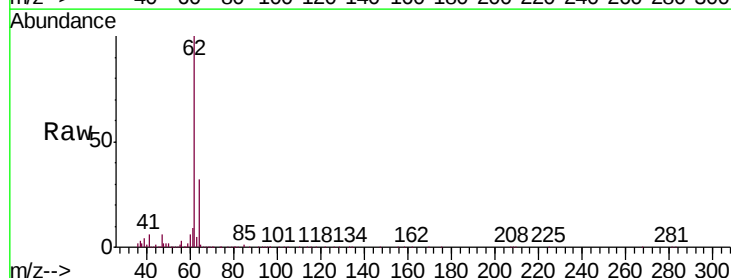
Acq: 13 Feb 2019 16:29

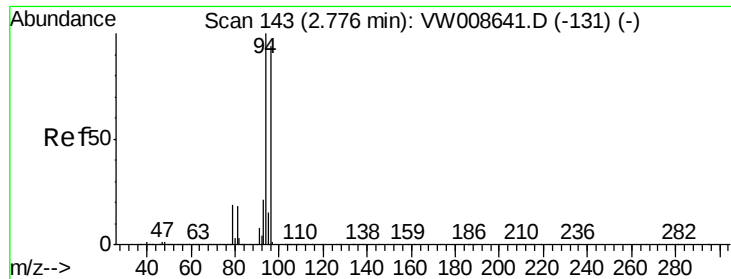
Tgt Ion: 62 Resp: 796259

Ion Ratio Lower Upper

62 100

64 31.8 25.1 37.7





#5

Bromomethane

Concen: 145.687 ug/l

RT: 2.77 min Scan# 142

Delta R.T. -0.01 min

Lab File: VW008643.D

Acq: 13 Feb 2019 16:29

Instrument :

MSVOA_W

ClientSampleId :

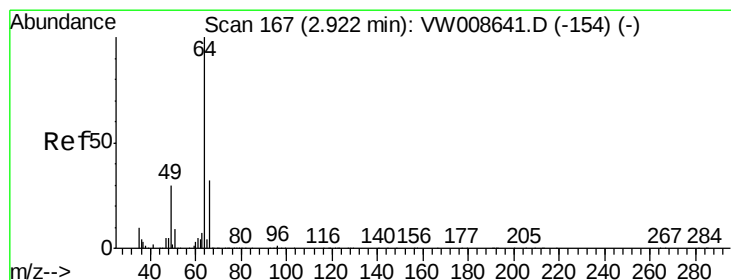
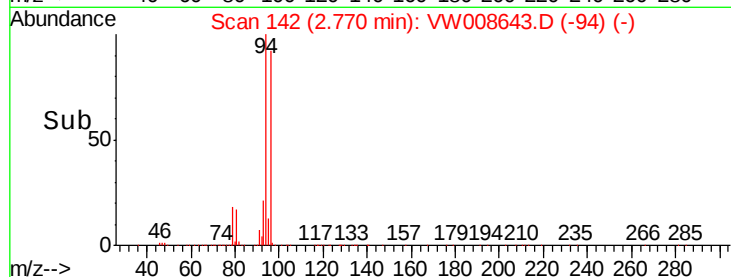
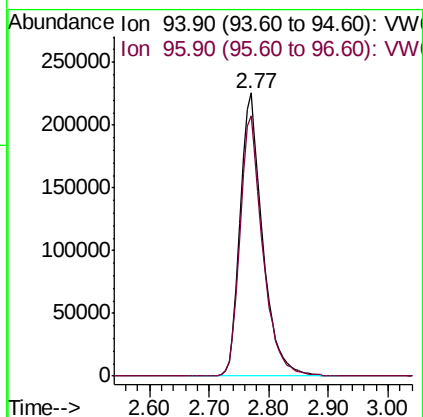
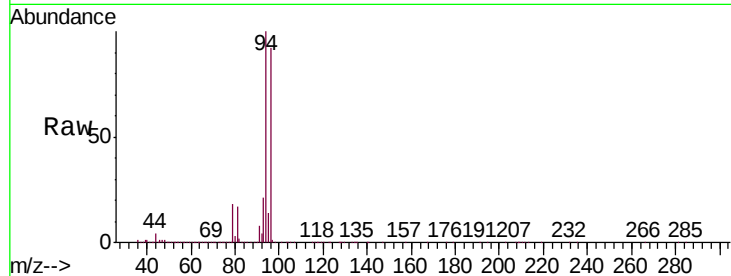
VSTDIC150

Tgt Ion: 94 Resp: 588707

Ion Ratio Lower Upper

94 100

96 91.9 75.5 113.3



#6

Chloroethane

Concen: 149.193 ug/l

RT: 2.92 min Scan# 166

Delta R.T. -0.01 min

Lab File: VW008643.D

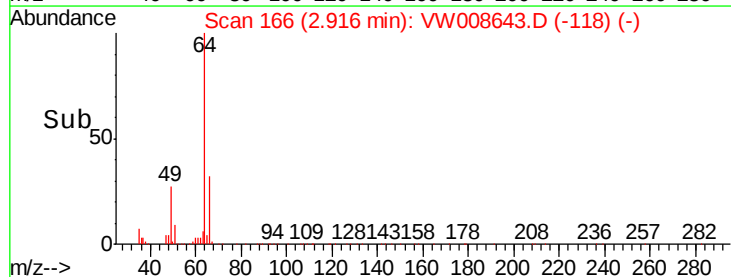
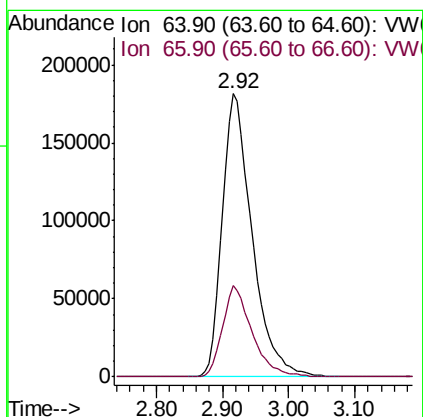
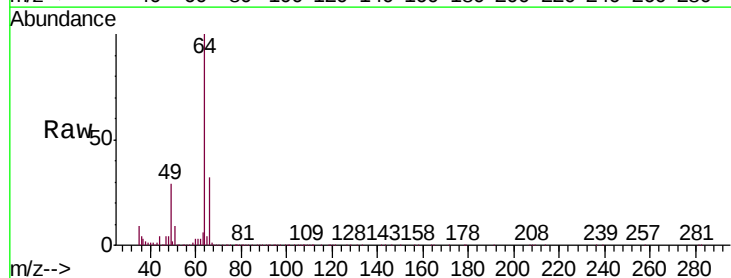
Acq: 13 Feb 2019 16:29

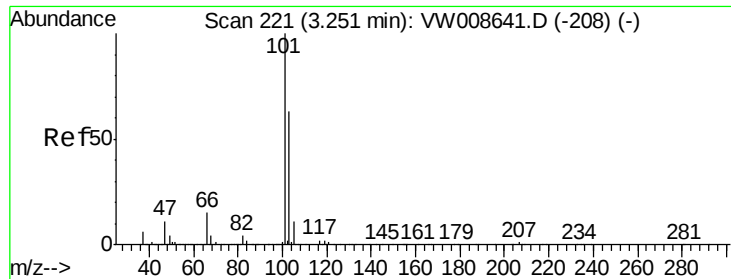
Tgt Ion: 64 Resp: 566916

Ion Ratio Lower Upper

64 100

66 31.9 26.2 39.4



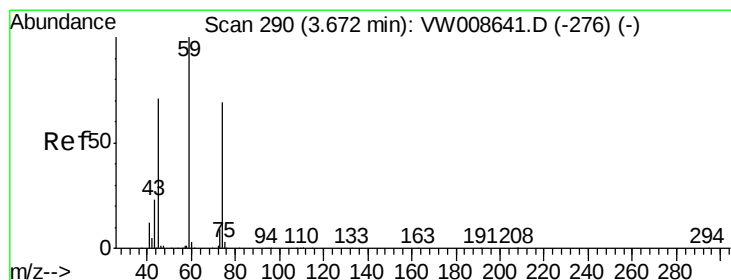
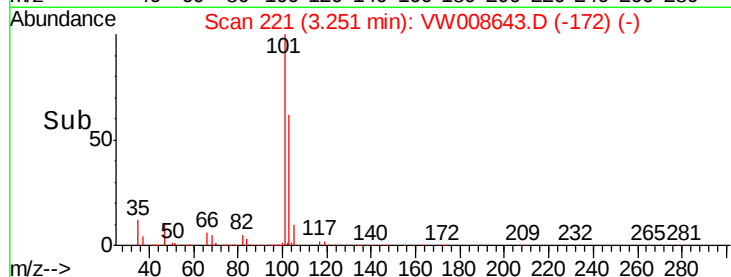
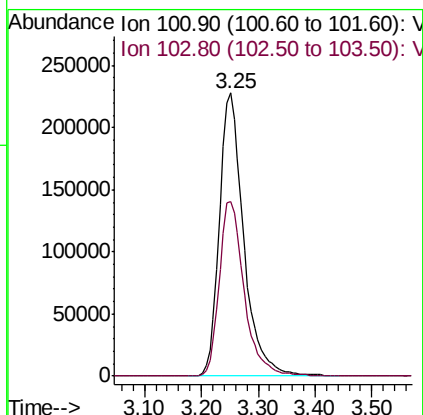
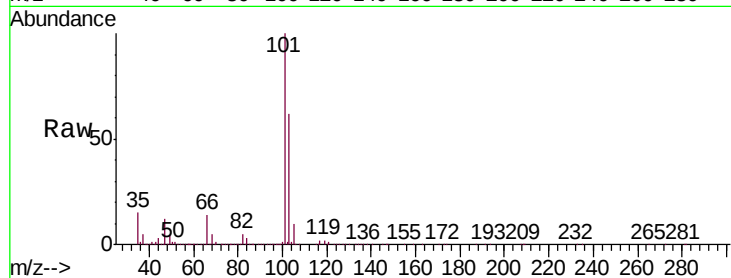


#7

Trichlorofluoromethane
 Concen: 169.782 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. 0.00 min
 Lab File: VW008643.D
 Acq: 13 Feb 2019 16:29

Instrument :
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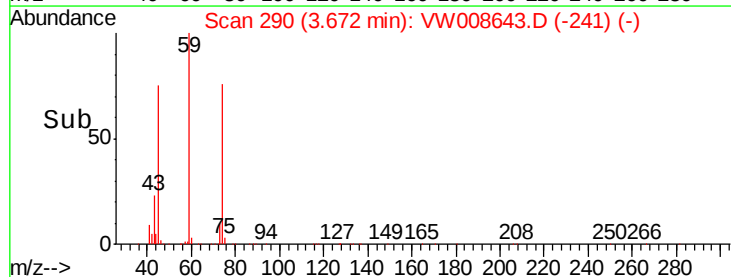
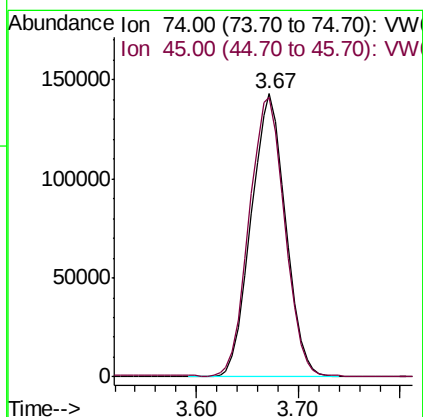
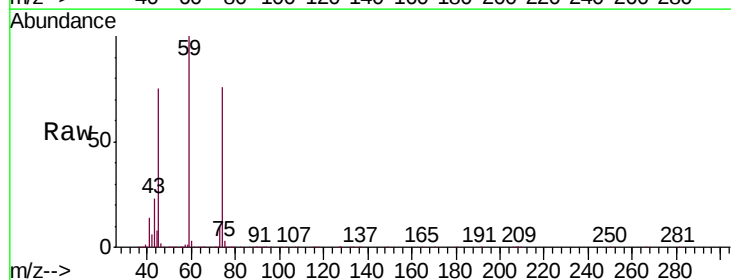
Tgt Ion:101 Resp: 675292
 Ion Ratio Lower Upper
 101 100
 103 61.7 50.5 75.7

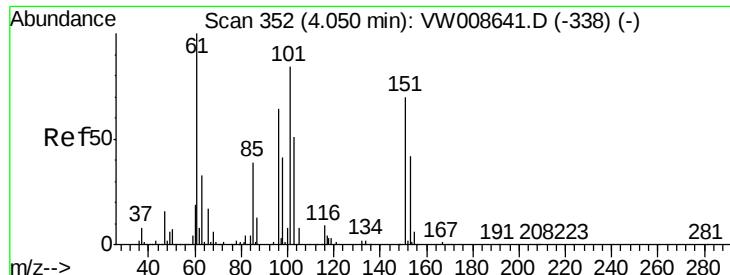


#8

Diethyl Ether
 Concen: 141.334 ug/l
 RT: 3.67 min Scan# 290
 Delta R.T. 0.00 min
 Lab File: VW008643.D
 Acq: 13 Feb 2019 16:29

Tgt Ion: 74 Resp: 335458
 Ion Ratio Lower Upper
 74 100
 45 101.8 50.2 150.6

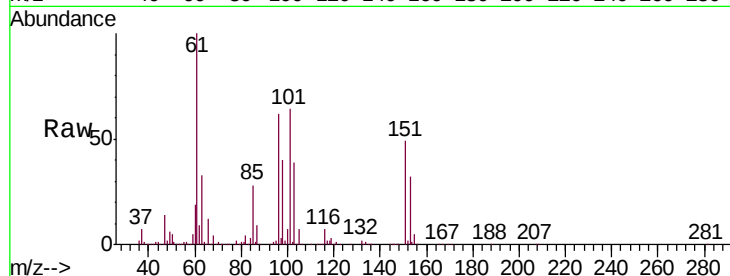




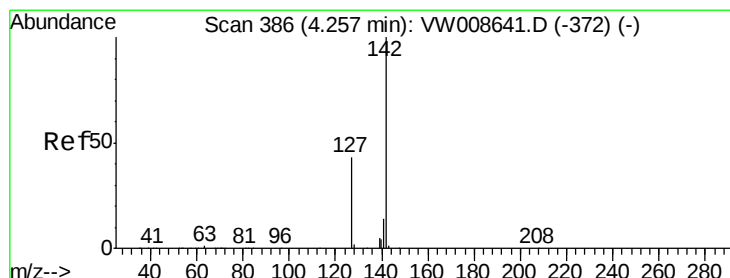
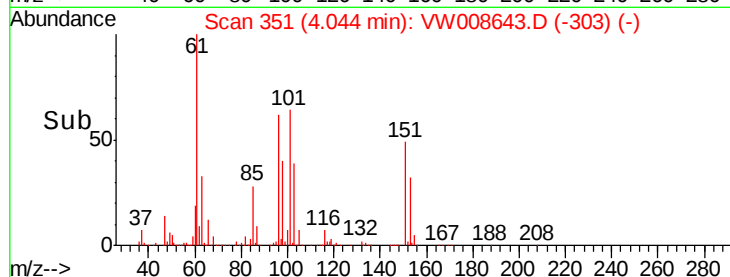
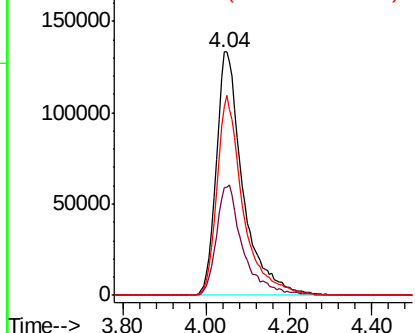
#9
1,1,2-Trichlorotrifluoroethane
Concen: 140.211 ug/l
RT: 4.04 min Scan# 351
Delta R.T. -0.01 min
Lab File: VW008643.D
Acq: 13 Feb 2019 16:29

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tgt Ion	Ratio	Lower	Upper
101	100		
85	45.2	34.3	51.5
151	80.2	65.6	98.4

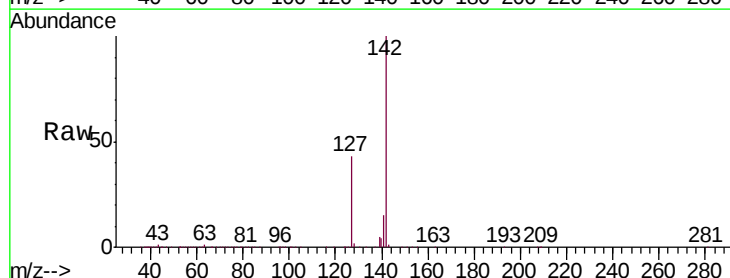


Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V

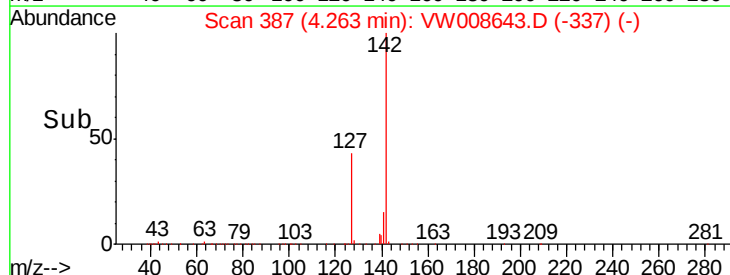
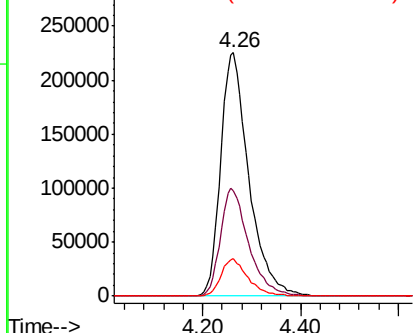


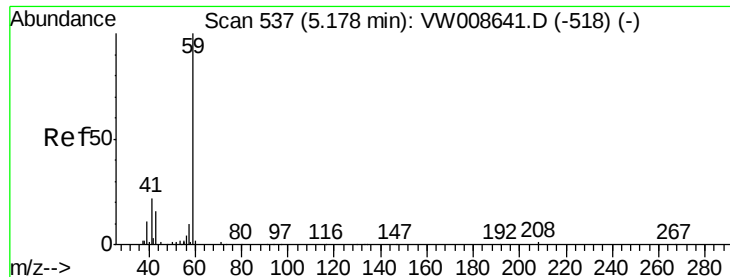
#10
Methyl Iodide
Concen: 137.390 ug/l
RT: 4.26 min Scan# 387
Delta R.T. 0.01 min
Lab File: VW008643.D
Acq: 13 Feb 2019 16:29

Tgt Ion	Ratio	Lower	Upper
142	100		
127	44.4	34.8	52.2
141	14.8	11.8	17.8



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

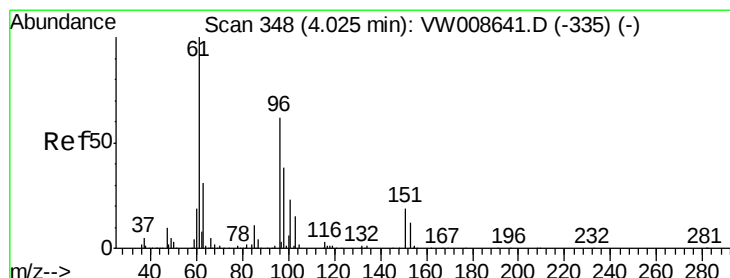
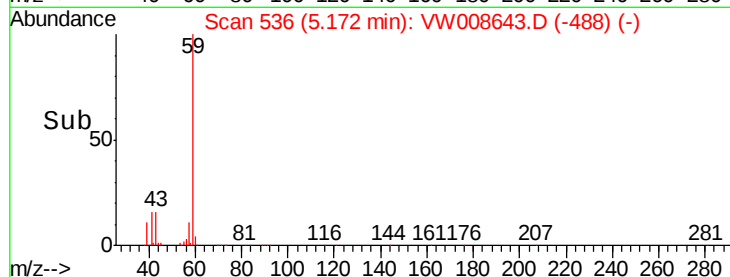
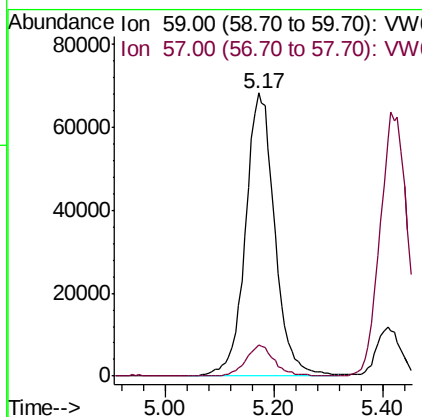
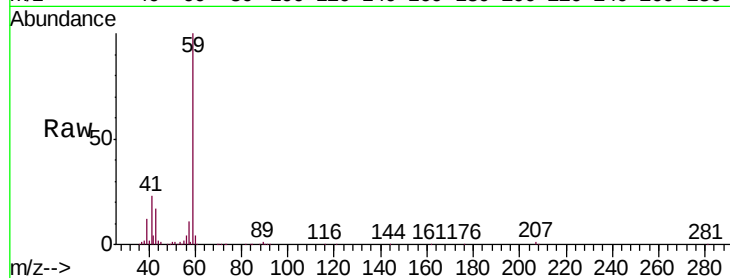




#11
Tert butyl alcohol
Concen: 740.998 ug/l
RT: 5.17 min Scan# 536
Delta R.T. -0.01 min
Lab File: VW008643.D
Acq: 13 Feb 2019 16:29

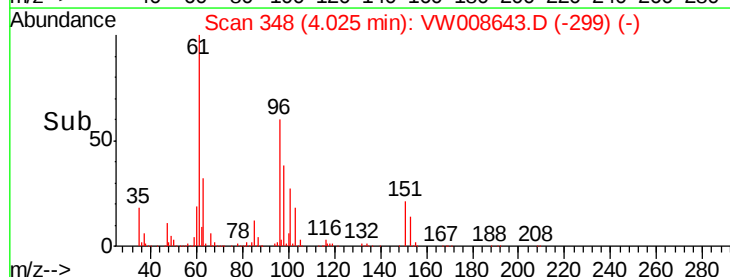
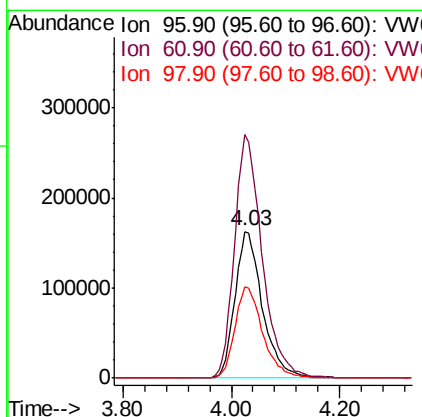
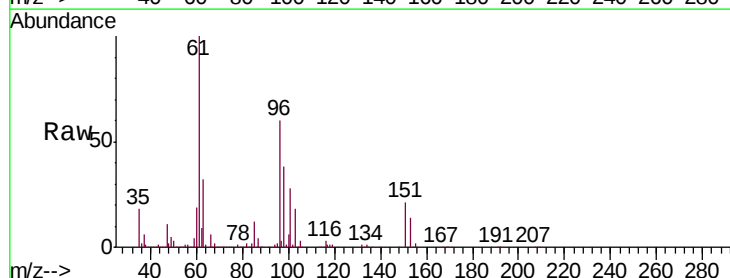
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

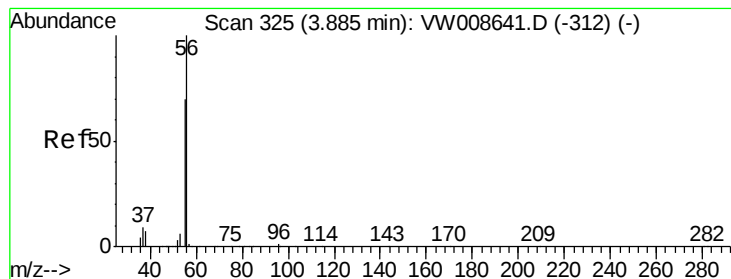
Tgt Ion: 59 Resp: 254623
Ion Ratio Lower Upper
59 100
57 10.9 8.3 12.5



#12
1,1-Dichloroethene
Concen: 139.579 ug/l
RT: 4.03 min Scan# 348
Delta R.T. 0.00 min
Lab File: VW008643.D
Acq: 13 Feb 2019 16:29

Tgt Ion: 96 Resp: 573751
Ion Ratio Lower Upper
96 100
61 166.2 129.8 194.6
98 62.6 49.3 73.9





#13

Acrolein

Concen: 708.608 ug/l

RT: 3.89 min Scan# 325

Delta R.T. 0.00 min

Lab File: VW008643.D

Acq: 13 Feb 2019 16:29

Instrument :

MSVOA_W

ClientSampleId :

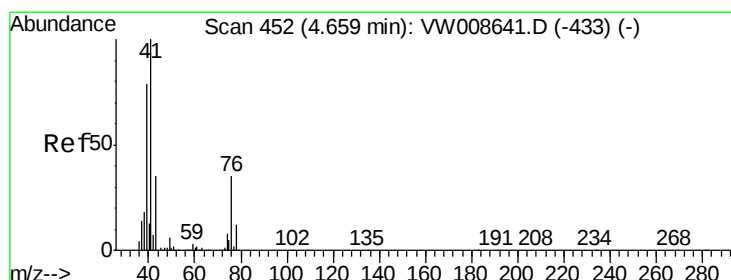
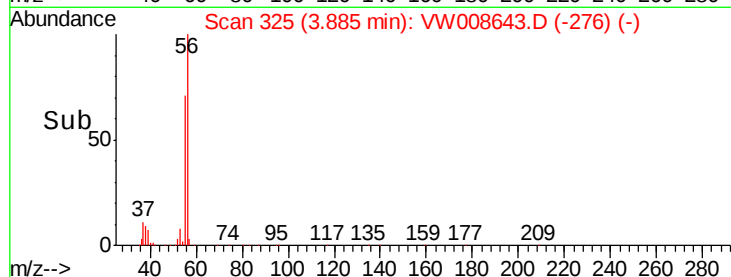
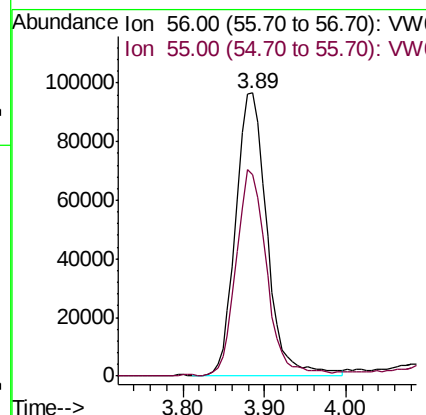
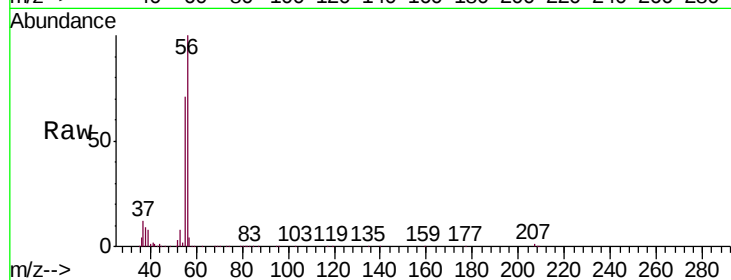
VSTDIC150

Tgt Ion: 56 Resp: 255697

Ion Ratio Lower Upper

56 100

55 70.5 57.4 86.2



#14

Allyl chloride

Concen: 145.420 ug/l

RT: 4.65 min Scan# 451

Delta R.T. -0.01 min

Lab File: VW008643.D

Acq: 13 Feb 2019 16:29

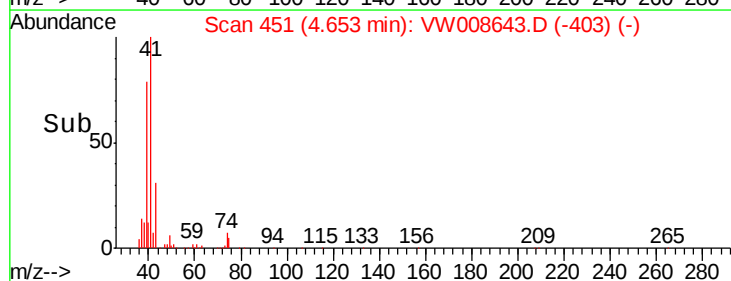
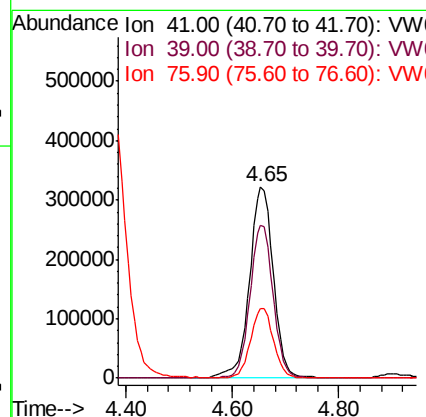
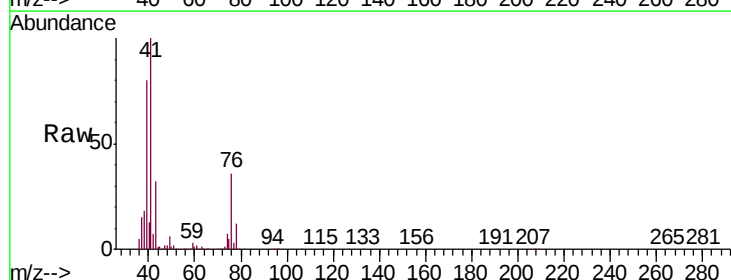
Tgt Ion: 41 Resp: 993137

Ion Ratio Lower Upper

41 100

39 77.6 61.7 92.5

76 34.6 27.7 41.5





#15

Acrylonitrile

Concen: 744.643 ug/l

RT: 5.36 min Scan# 567

Delta R.T. 0.00 min

Lab File: VW008643.D

Acq: 13 Feb 2019 16:29

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

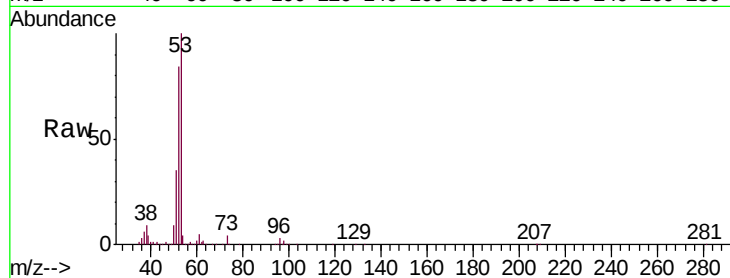
Tgt Ion: 53 Resp: 743922

Ion Ratio Lower Upper

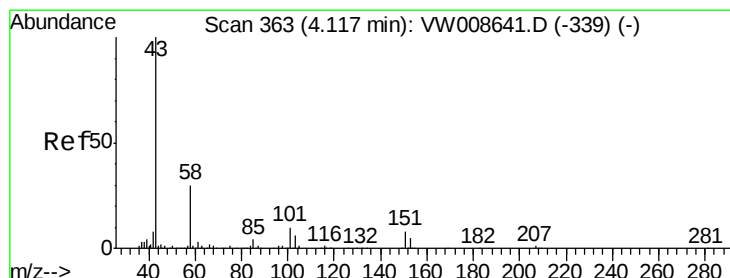
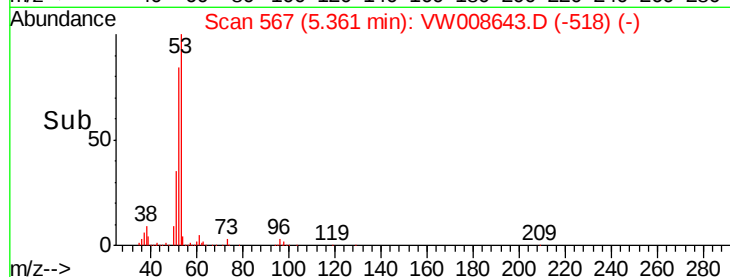
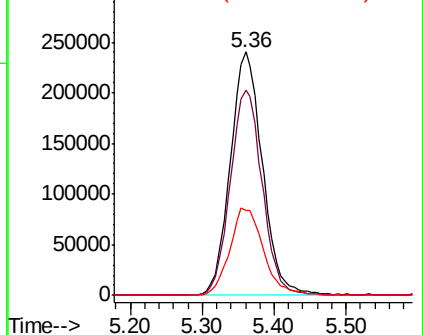
53 100

52 83.9 66.8 100.2

51 37.8 29.4 44.0



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



#16

Acetone

Concen: 748.980 ug/l

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

Lab File: VW008643.D

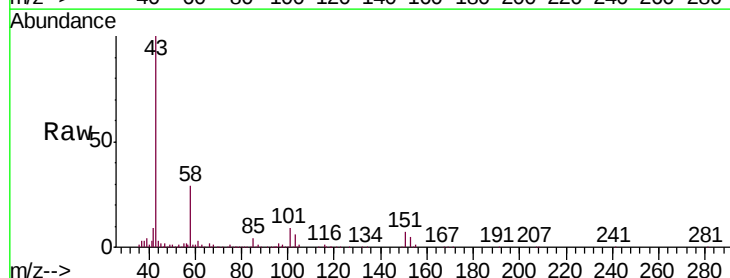
Acq: 13 Feb 2019 16:29

Tgt Ion: 43 Resp: 743496

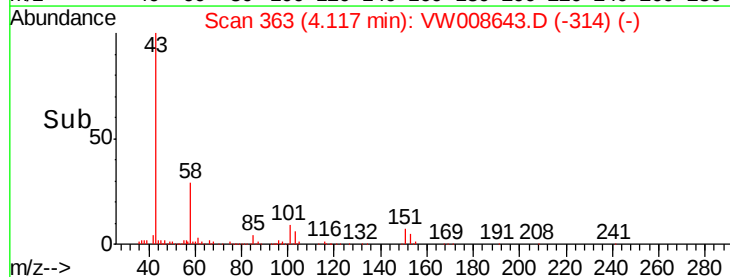
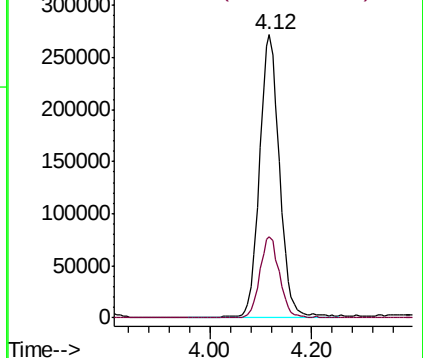
Ion Ratio Lower Upper

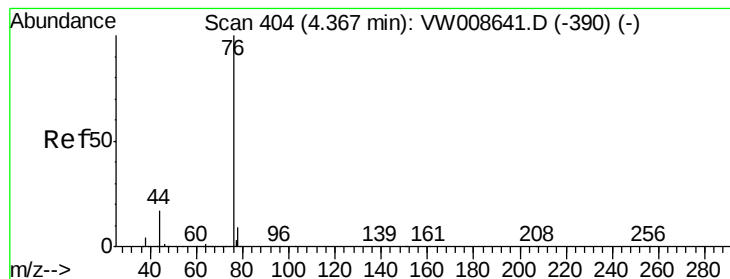
43 100

58 28.5 24.1 36.1



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





#17

Carbon Disulfide

Concen: 142.038 ug/l

RT: 4.37 min Scan# 404

Delta R.T. 0.00 min

Lab File: VW008643.D

Acq: 13 Feb 2019 16:29

Instrument :

MSVOA_W

ClientSampleId :

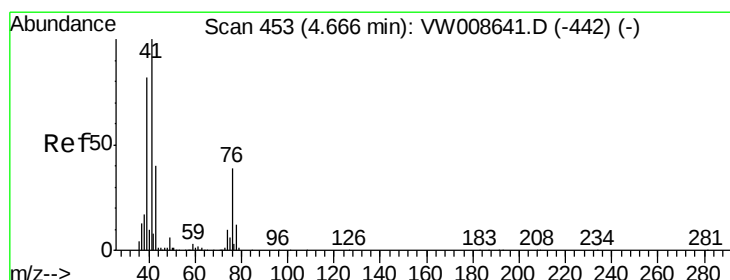
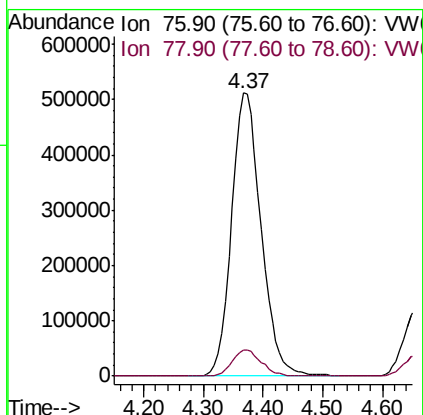
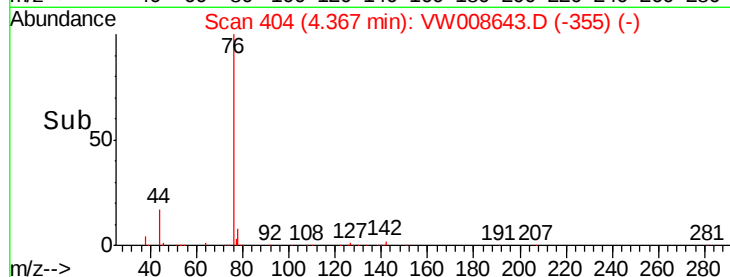
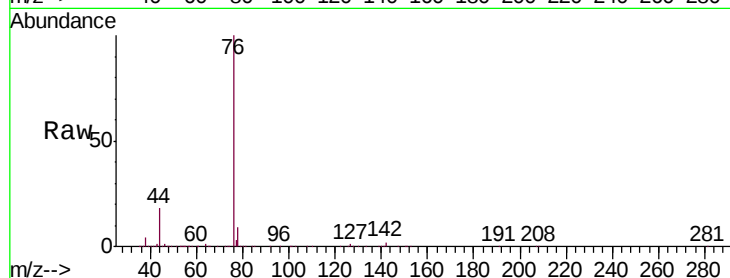
VSTDIC150

Tgt Ion: 76 Resp: 1761961

Ion Ratio Lower Upper

76 100

78 9.1 7.1 10.7



#18

Methyl Acetate

Concen: 147.814 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.00 min

Lab File: VW008643.D

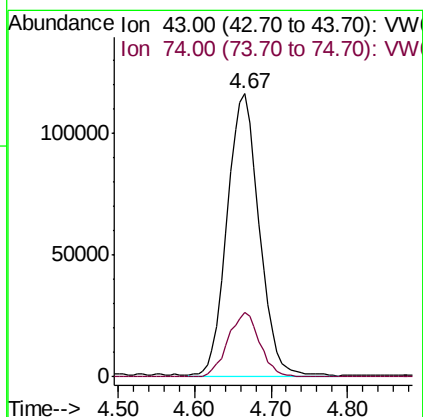
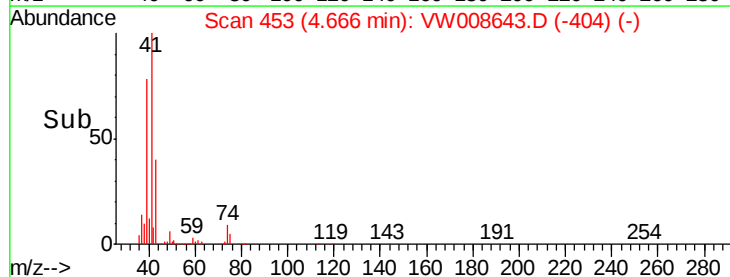
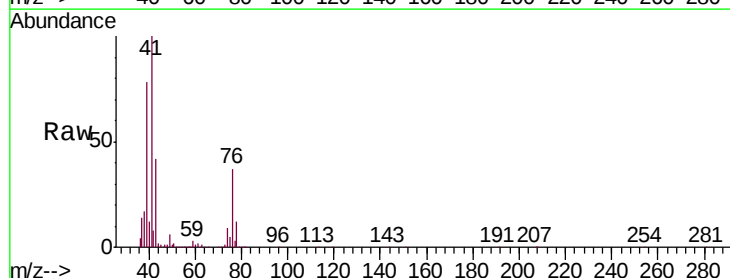
Acq: 13 Feb 2019 16:29

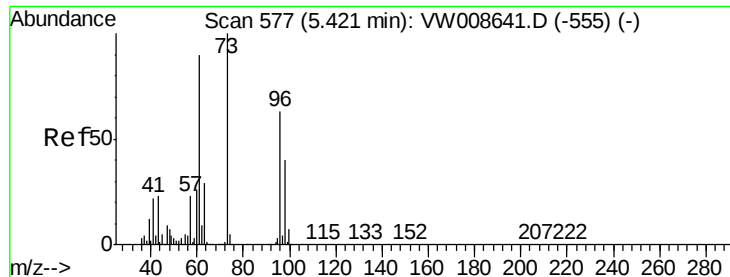
Tgt Ion: 43 Resp: 336455

Ion Ratio Lower Upper

43 100

74 22.7 19.0 28.4



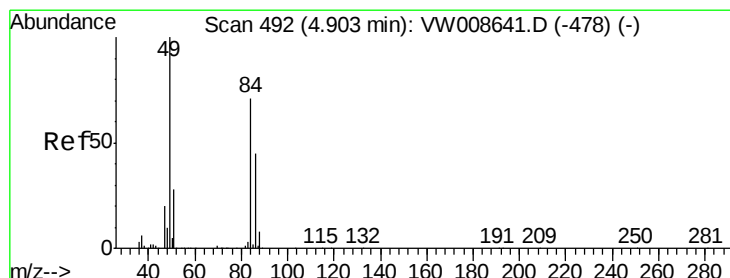
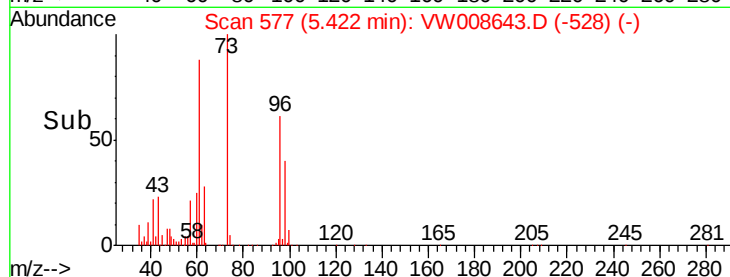
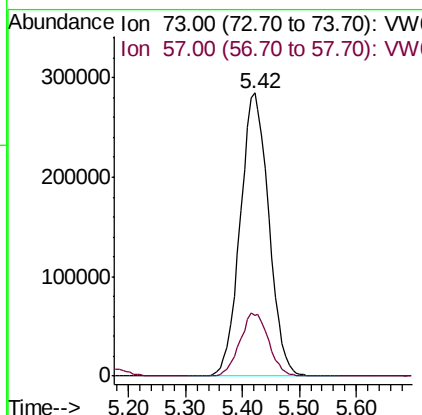
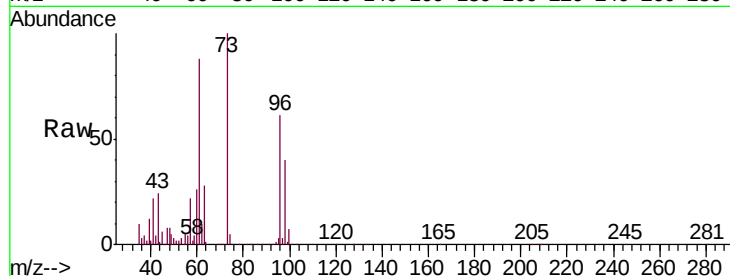


#19

Methyl tert-butyl Ether
 Concen: 137.732 ug/l
 RT: 5.42 min Scan# 577
 Delta R.T. 0.00 min
 Lab File: VW008643.D
 Acq: 13 Feb 2019 16:29

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

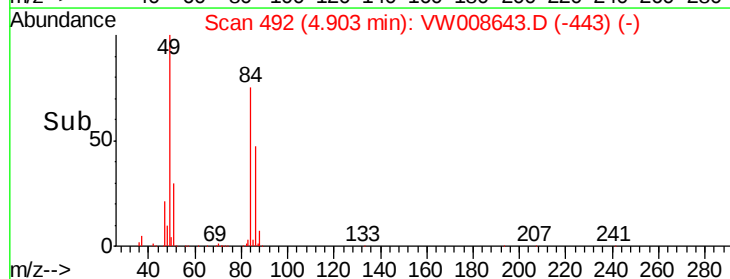
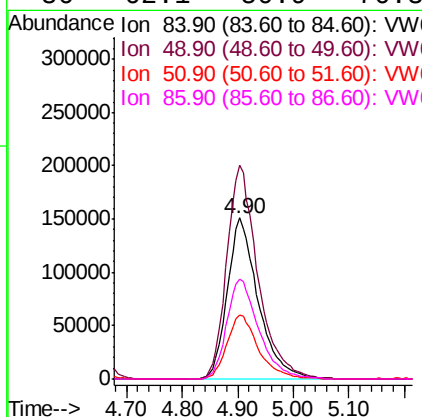
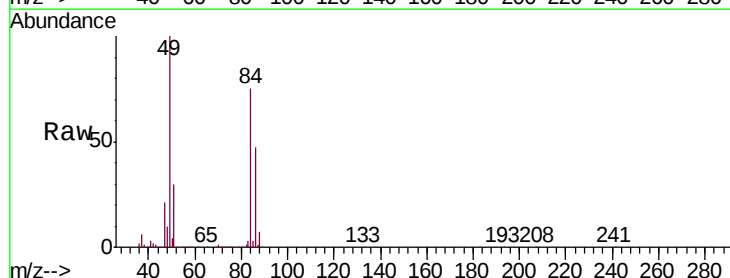
Tgt Ion: 73 Resp: 993875
 Ion Ratio Lower Upper
 73 100
 57 21.6 18.2 27.2

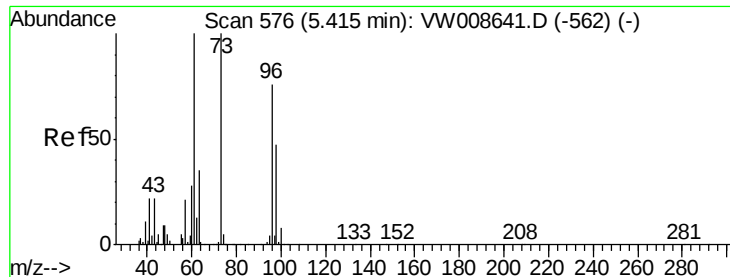


#20

Methylene Chloride
 Concen: 101.785 ug/l
 RT: 4.90 min Scan# 492
 Delta R.T. 0.00 min
 Lab File: VW008643.D
 Acq: 13 Feb 2019 16:29

Tgt Ion: 84 Resp: 580195
 Ion Ratio Lower Upper
 84 100
 49 132.9 113.3 169.9
 51 39.6 32.1 48.1
 86 62.1 50.9 76.3





#21

trans-1,2-Dichloroethene

Concen: 138.727 ug/l

RT: 5.41 min Scan# 575

Delta R.T. -0.01 min

Lab File: VW008643.D

Acq: 13 Feb 2019 16:29

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

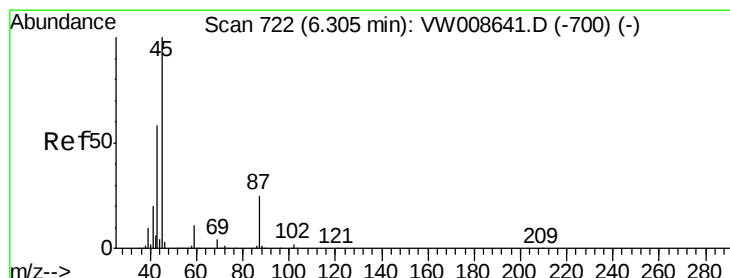
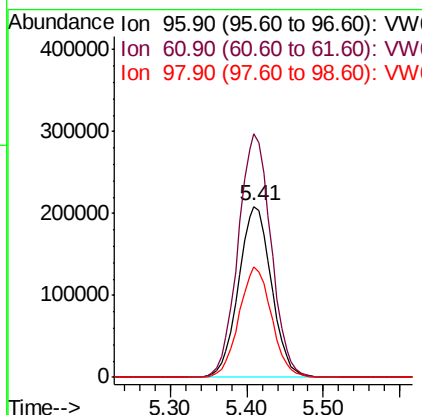
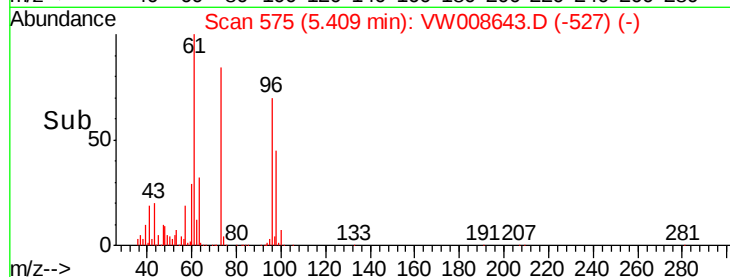
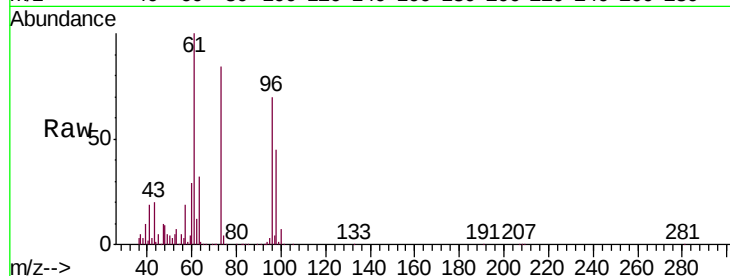
Tgt Ion: 96 Resp: 624498

Ion Ratio Lower Upper

96 100

61 142.1 105.9 158.9

98 64.2 49.8 74.6



#22

Diisopropyl ether

Concen: 147.998 ug/l

RT: 6.31 min Scan# 723

Delta R.T. 0.01 min

Lab File: VW008643.D

Acq: 13 Feb 2019 16:29

Tgt Ion: 45 Resp: 2034294

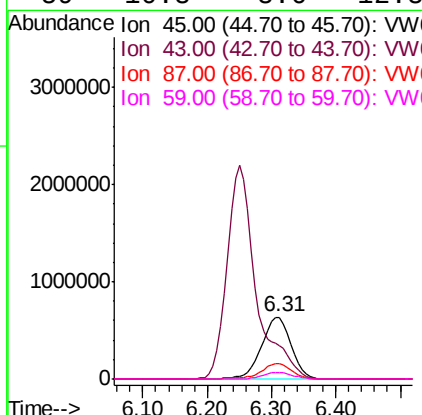
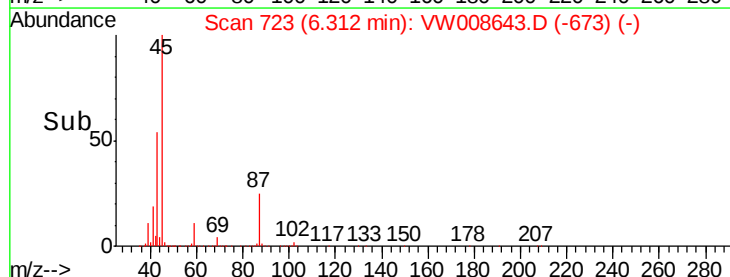
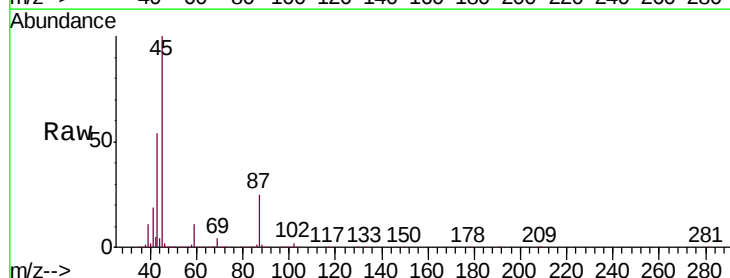
Ion Ratio Lower Upper

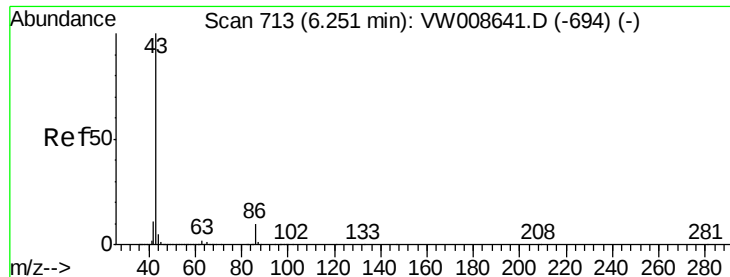
45 100

43 54.1 46.1 69.1

87 24.6 20.5 30.7

59 10.8 8.6 12.8





#23

Vinyl Acetate

Concen: 782.638 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW008643.D

Acq: 13 Feb 2019 16:29

Instrument :

MSVOA_W

ClientSampleId :

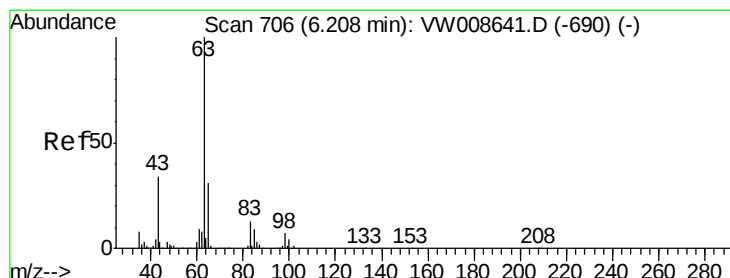
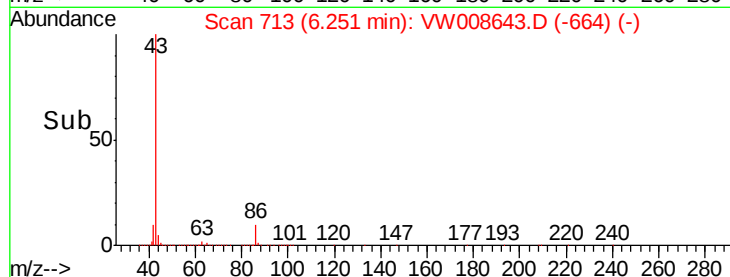
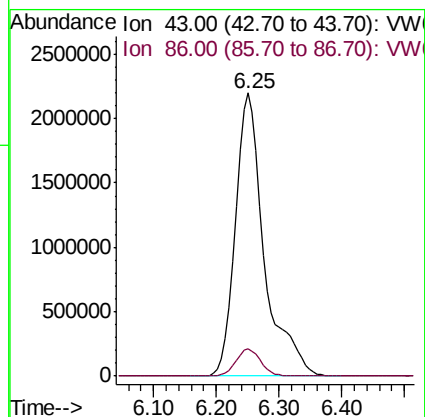
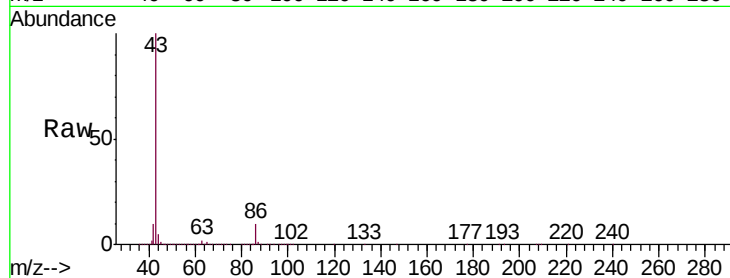
VSTDIC150

Tgt Ion: 43 Resp: 6981940

Ion Ratio Lower Upper

43 100

86 9.5 7.9 11.9



#24

1,1-Dichloroethane

Concen: 141.761 ug/l

RT: 6.21 min Scan# 706

Delta R.T. 0.00 min

Lab File: VW008643.D

Acq: 13 Feb 2019 16:29

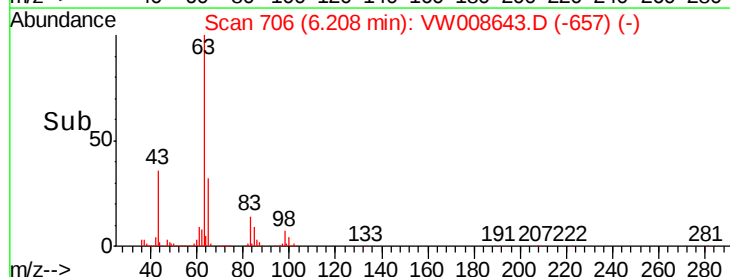
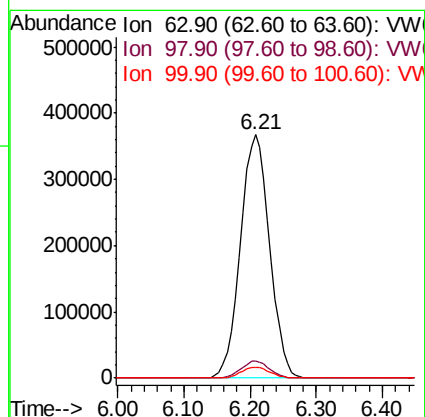
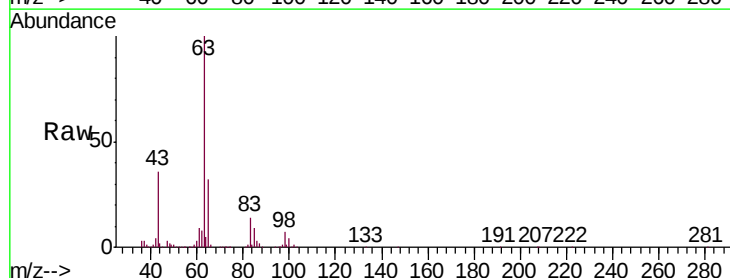
Tgt Ion: 63 Resp: 1124398

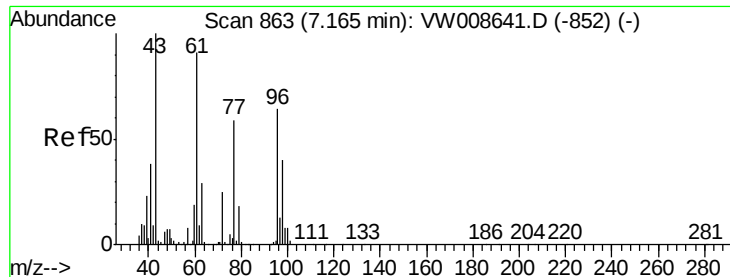
Ion Ratio Lower Upper

63 100

98 7.0 3.6 10.8

100 4.5 2.2 6.6





#25

2-Butanone

Concen: 778.167 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW008643.D

Acq: 13 Feb 2019 16:29

Instrument :

MSVOA_W

ClientSampleId :

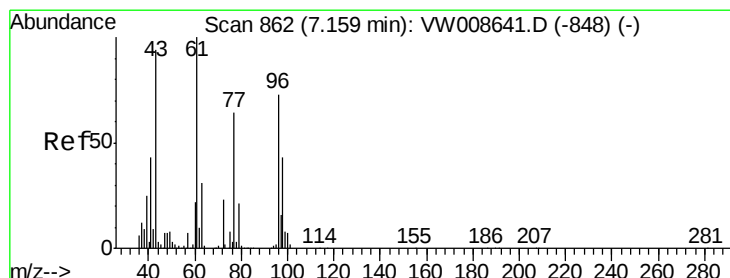
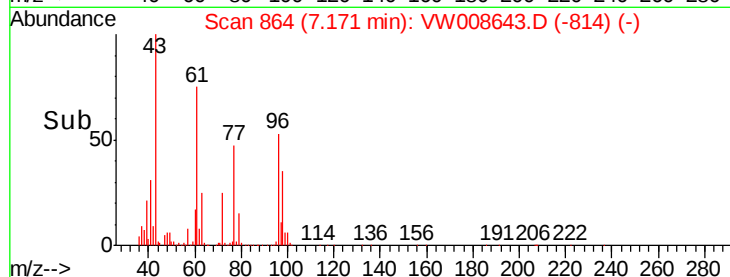
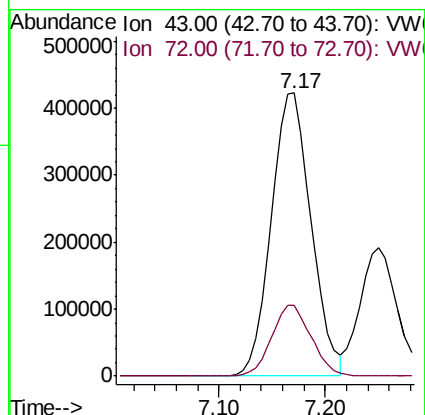
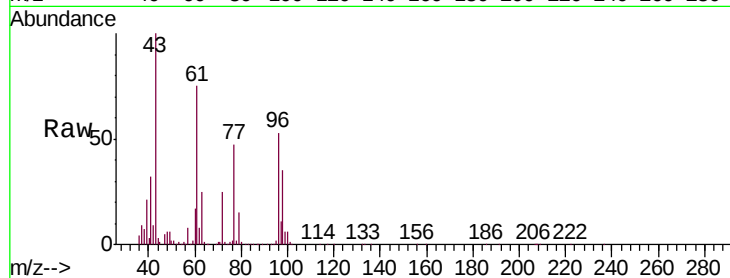
VSTDIC150

Tgt Ion: 43 Resp: 1094538

Ion Ratio Lower Upper

43 100

72 24.8 19.7 29.5



#26

2,2-Dichloropropane

Concen: 137.322 ug/l

RT: 7.16 min Scan# 862

Delta R.T. 0.00 min

Lab File: VW008643.D

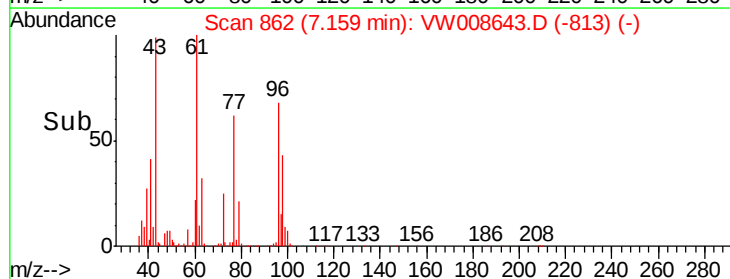
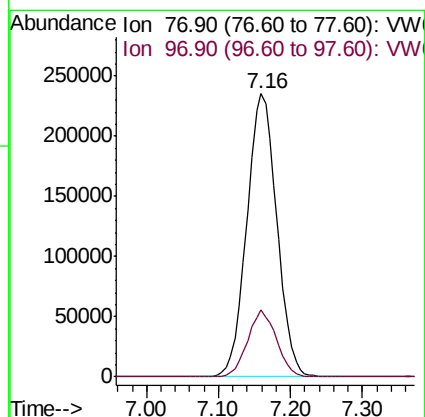
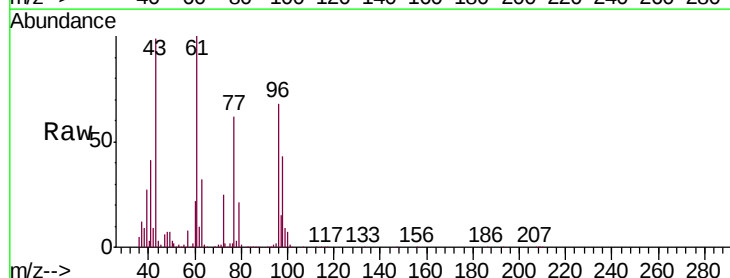
Acq: 13 Feb 2019 16:29

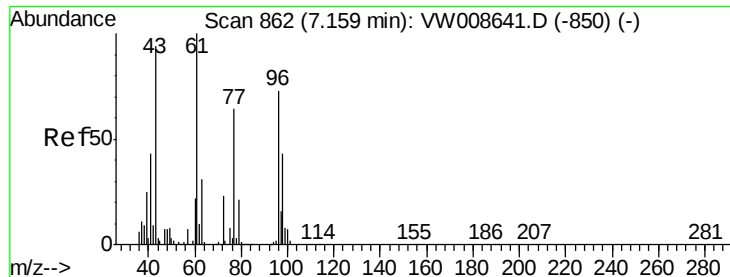
Tgt Ion: 77 Resp: 680427

Ion Ratio Lower Upper

77 100

97 22.8 11.7 35.0





#27

cis-1,2-Dichloroethene

Concen: 139.073 ug/l

RT: 7.16 min Scan# 862

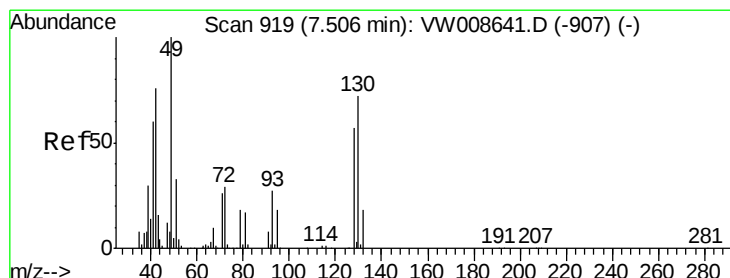
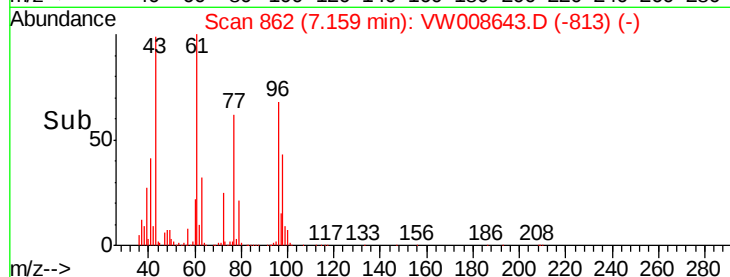
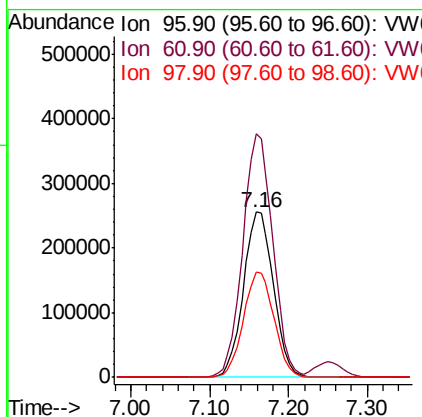
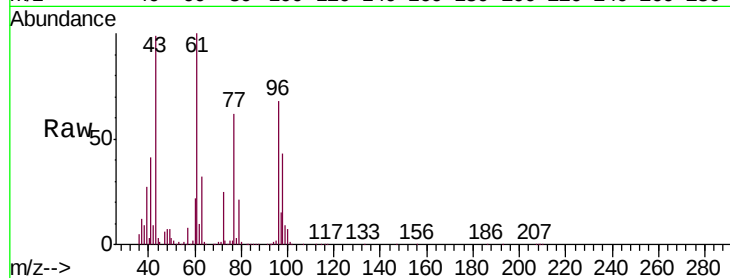
Delta R.T. 0.00 min

Lab File: VW008643.D

Acq: 13 Feb 2019 16:29

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tgt Ion	Ratio	Lower	Upper
96	100		
61	147.4	0.0	286.4
98	64.6	0.0	125.0



#28

Bromochloromethane

Concen: 162.944 ug/l

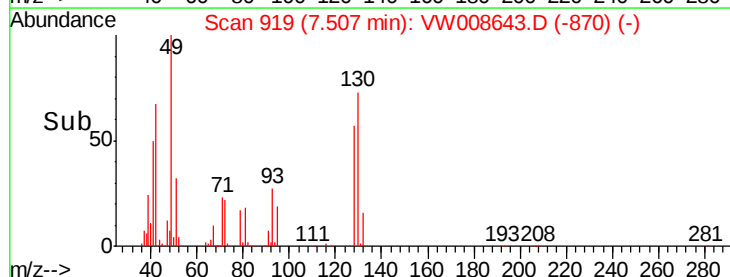
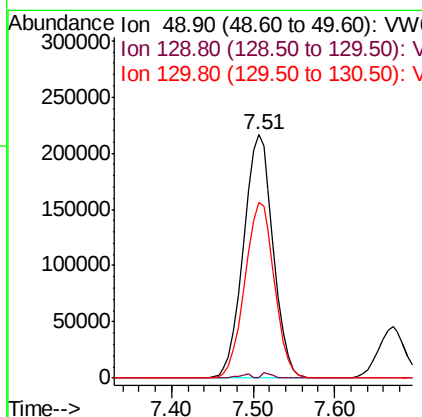
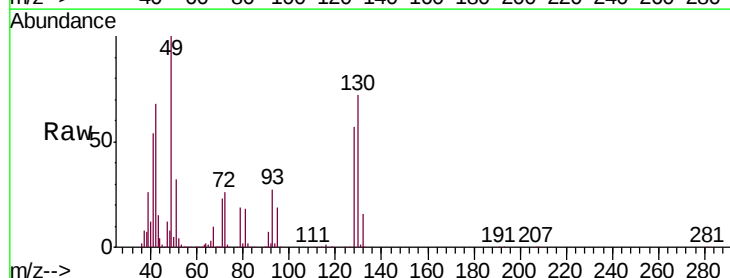
RT: 7.51 min Scan# 919

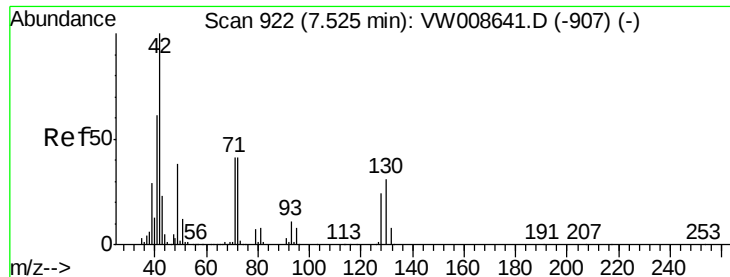
Delta R.T. 0.00 min

Lab File: VW008643.D

Acq: 13 Feb 2019 16:29

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.8	0.0	3.2
130	72.3	59.4	89.0





#29

Tetrahydrofuran

Concen: 771.254 ug/l

RT: 7.52 min Scan# 922

Delta R.T. 0.00 min

Lab File: VW008643.D

Acq: 13 Feb 2019 16:29

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

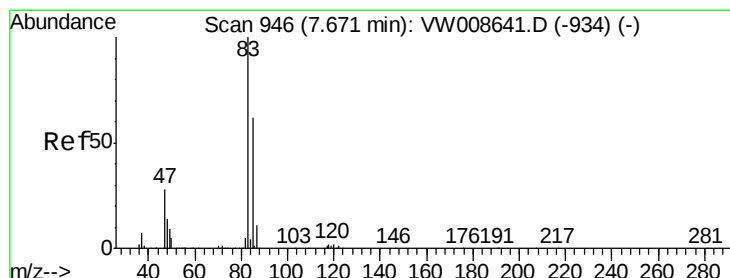
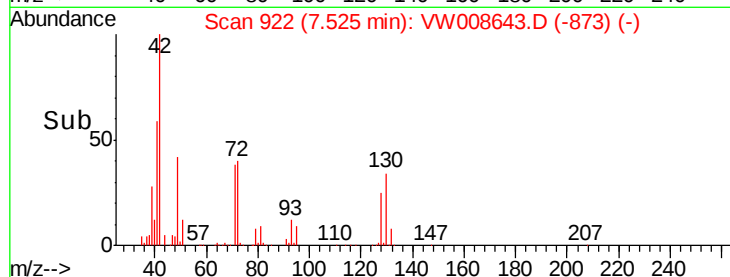
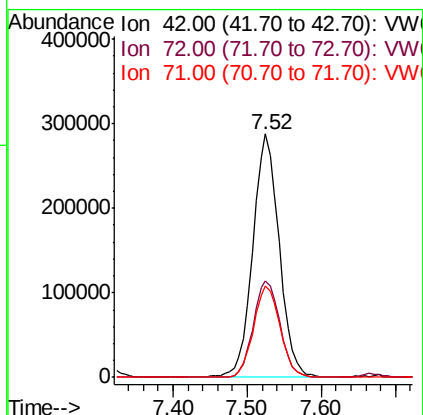
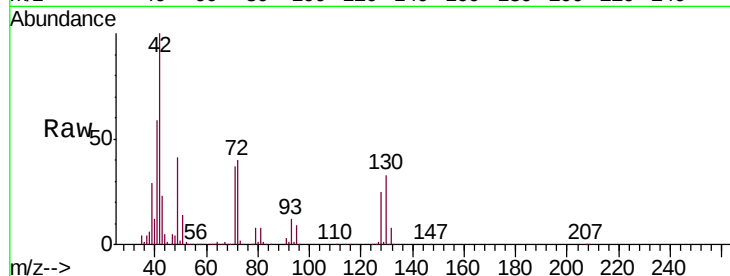
Tgt Ion: 42 Resp: 715019

Ion Ratio Lower Upper

42 100

72 40.2 32.2 48.2

71 37.8 31.0 46.6



#30

Chloroform

Concen: 143.429 ug/l

RT: 7.67 min Scan# 946

Delta R.T. 0.00 min

Lab File: VW008643.D

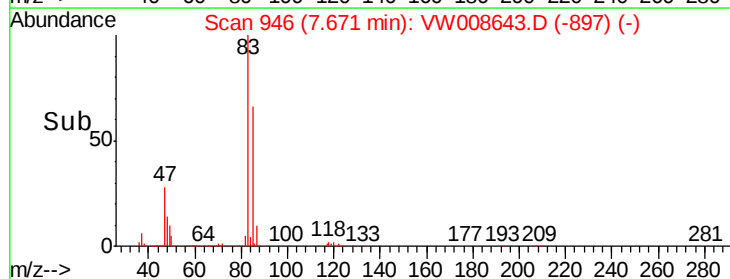
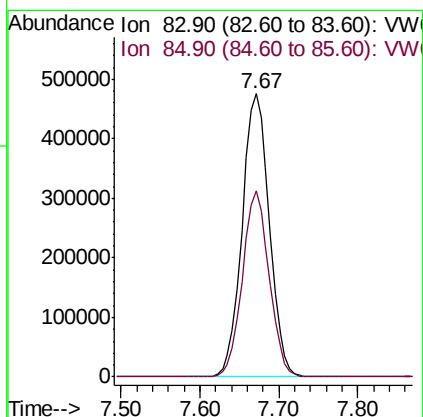
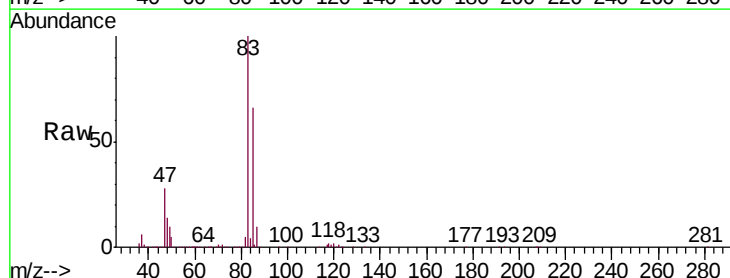
Acq: 13 Feb 2019 16:29

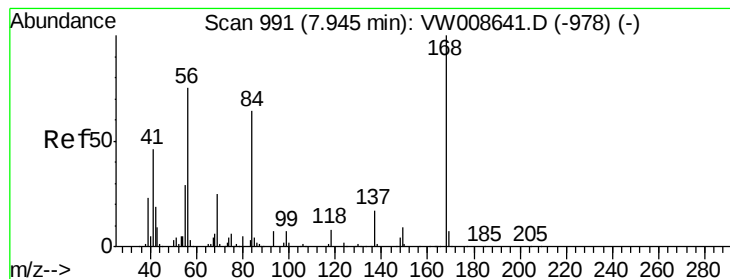
Tgt Ion: 83 Resp: 1139913

Ion Ratio Lower Upper

83 100

85 65.9 49.8 74.8





#31

Cyclohexane

Concen: 132.427 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.01 min

Lab File: VW008643.D

Acq: 13 Feb 2019 16:29

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

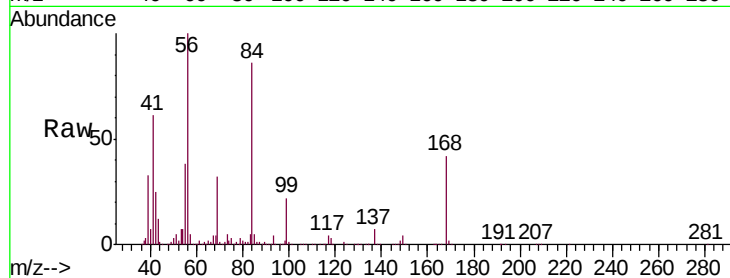
Tgt Ion: 56 Resp: 1060169

Ion Ratio Lower Upper

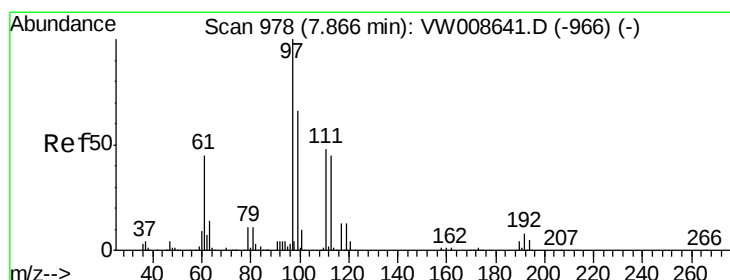
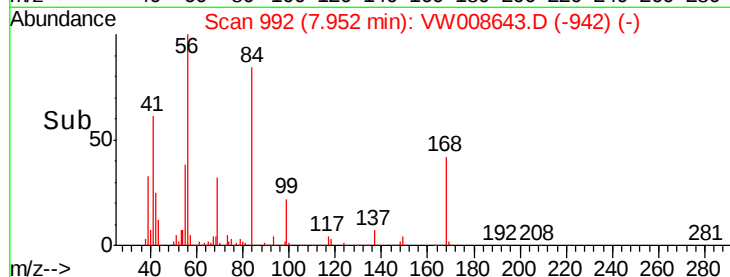
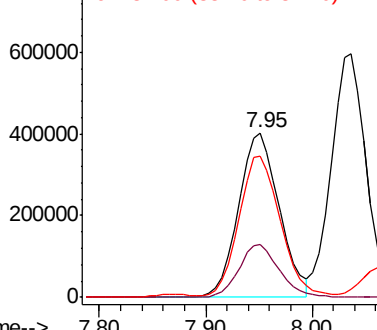
56 100

69 31.8 26.4 39.6

84 84.7 67.4 101.2



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: 141.594 ug/l

RT: 7.87 min Scan# 978

Delta R.T. 0.00 min

Lab File: VW008643.D

Acq: 13 Feb 2019 16:29

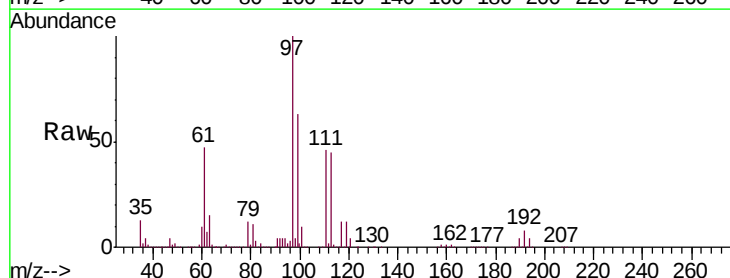
Tgt Ion: 97 Resp: 950393

Ion Ratio Lower Upper

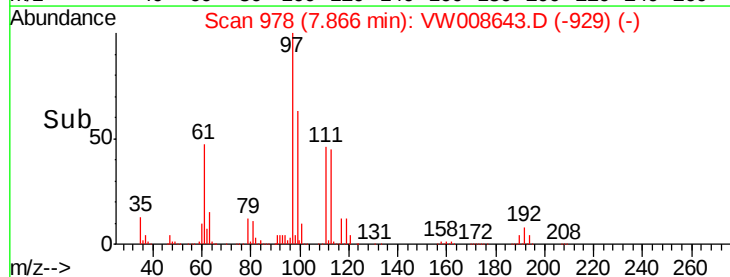
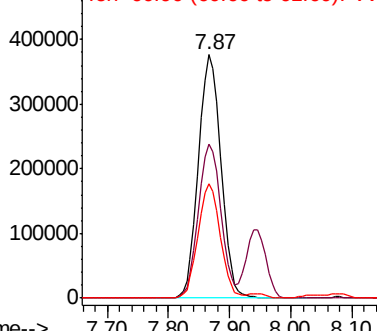
97 100

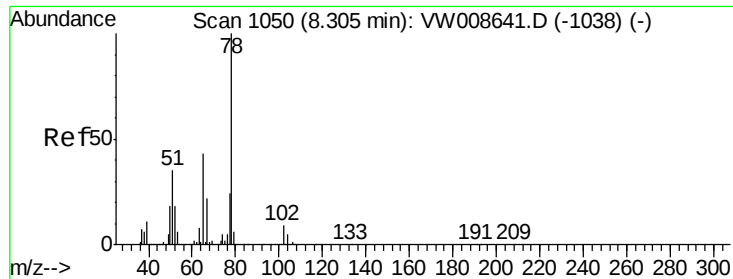
99 63.5 51.6 77.4

61 46.4 35.8 53.6



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: 151.518 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW008643.D

Acq: 13 Feb 2019 16:29

Instrument :

MSVOA_W

ClientSampleId :

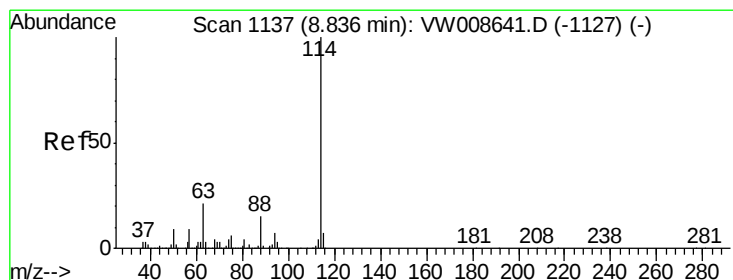
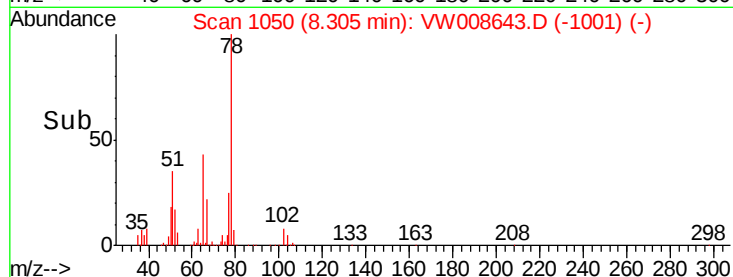
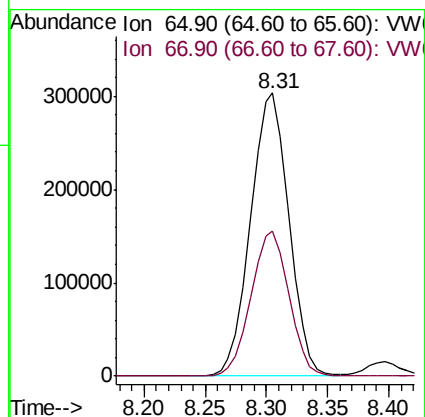
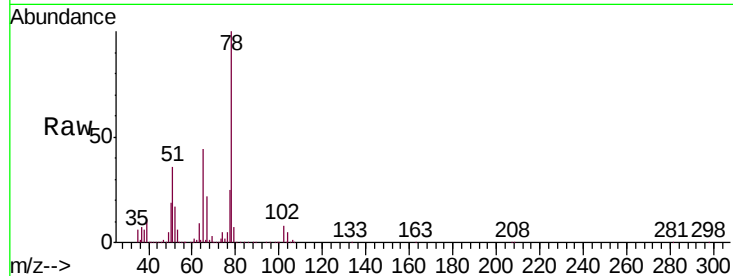
VSTDIC150

Tgt Ion: 65 Resp: 663255

Ion Ratio Lower Upper

65 100

67 50.8 0.0 102.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. 0.01 min

Lab File: VW008643.D

Acq: 13 Feb 2019 16:29

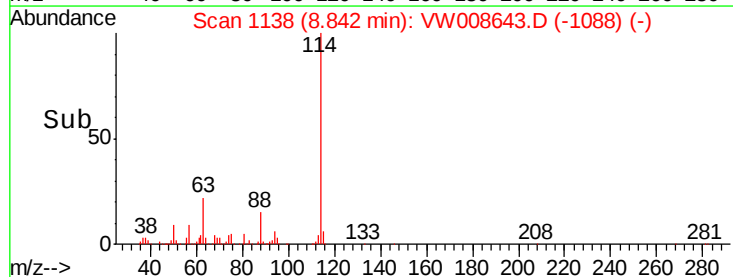
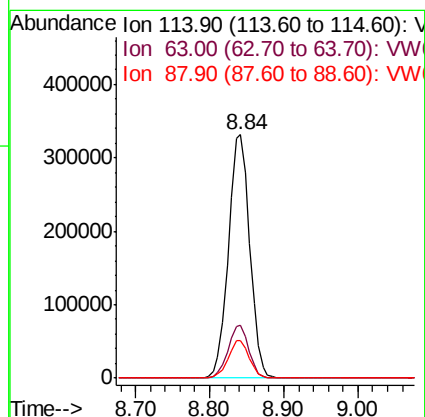
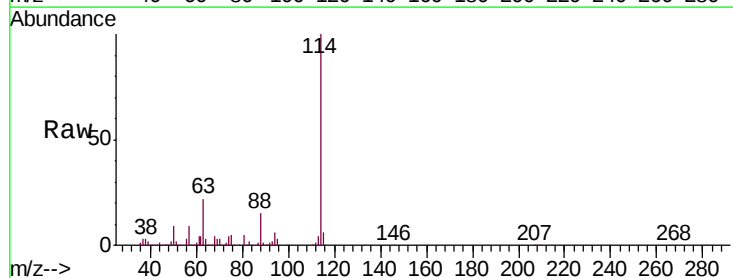
Tgt Ion: 114 Resp: 660741

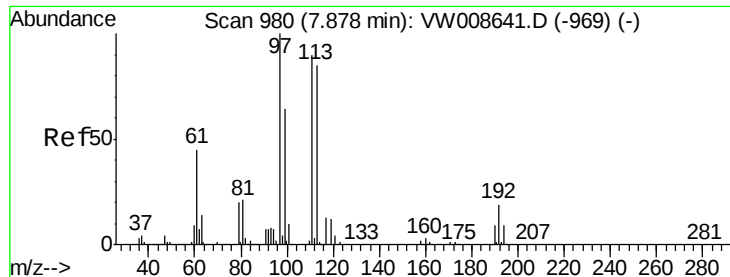
Ion Ratio Lower Upper

114 100

63 21.7 0.0 41.2

88 15.3 0.0 29.6

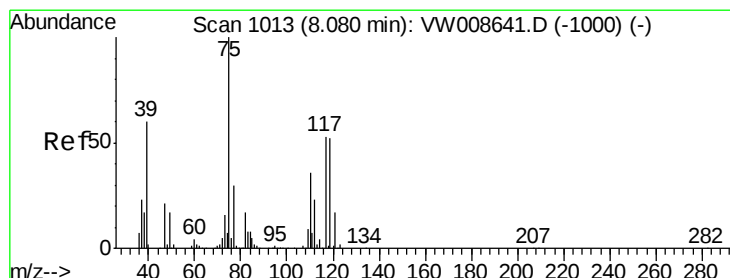
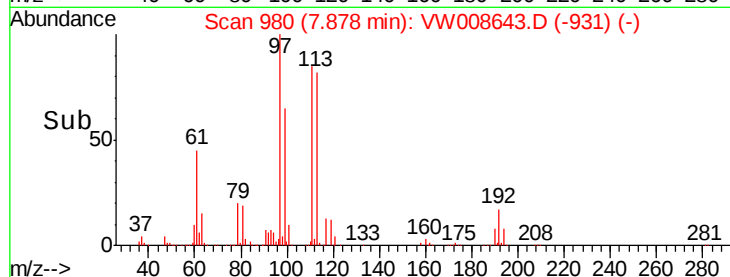
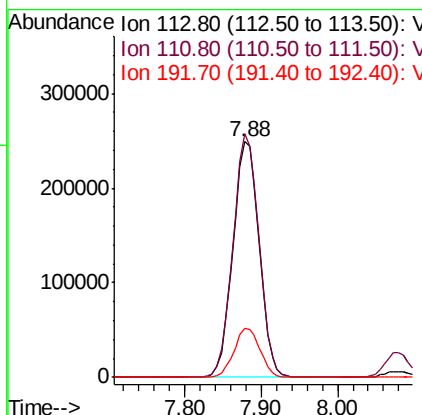
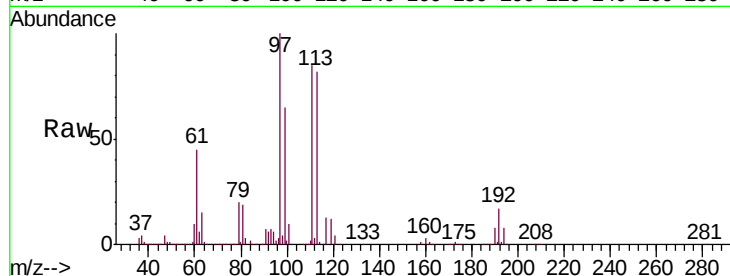




#35
 Dibromofluoromethane
 Concen: 144.429 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. 0.00 min
 Lab File: VW008643.D
 Acq: 13 Feb 2019 16:29

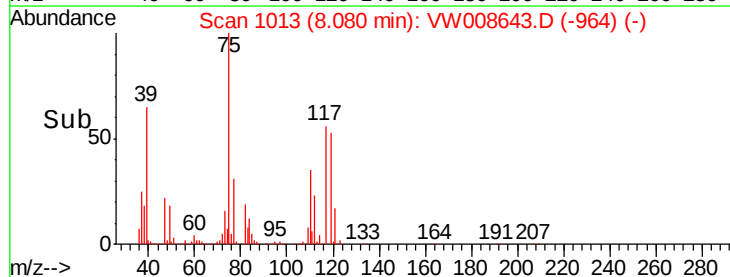
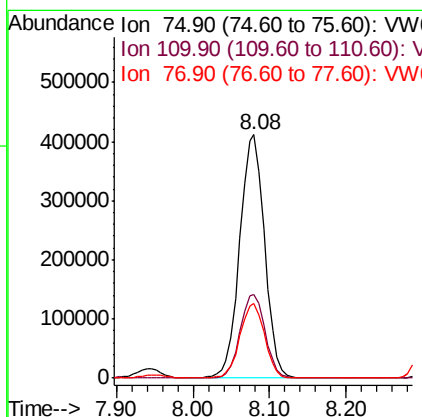
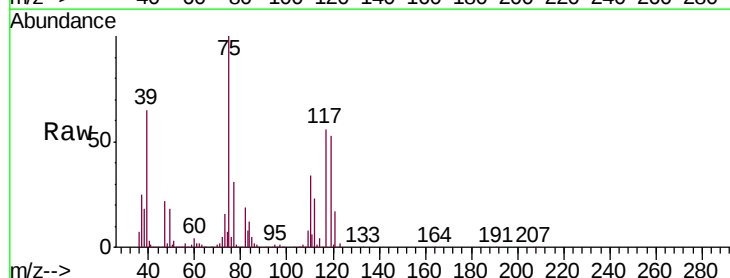
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

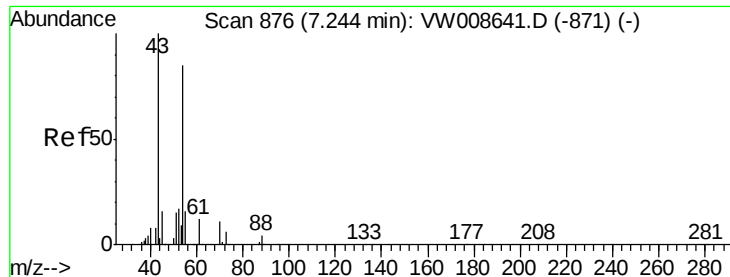
Tgt Ion: 113 Resp: 592562
 Ion Ratio Lower Upper
 113 100
 111 102.2 84.0 126.0
 192 20.8 17.4 26.2



#36
 1,1-Dichloropropene
 Concen: 139.334 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: VW008643.D
 Acq: 13 Feb 2019 16:29

Tgt Ion: 75 Resp: 924943
 Ion Ratio Lower Upper
 75 100
 110 34.6 17.8 53.3
 77 30.7 24.7 37.1

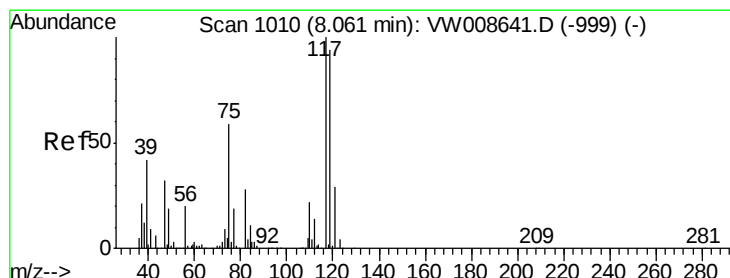
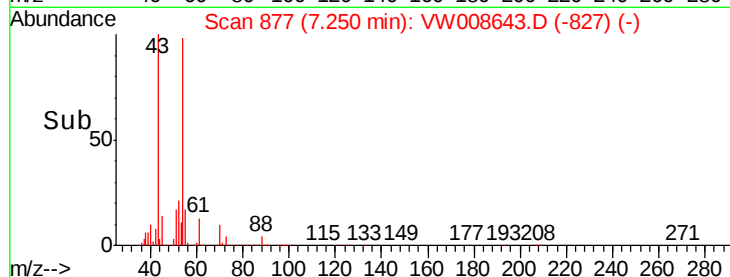
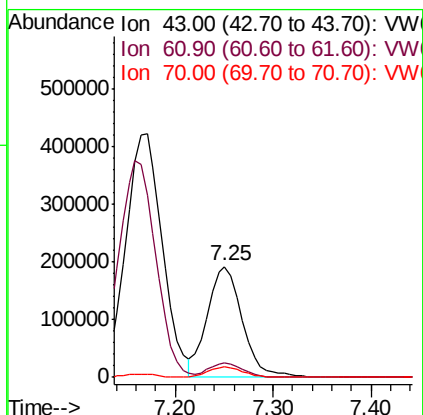
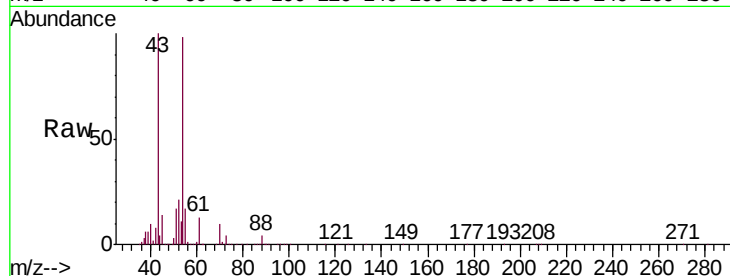




#37
 Ethyl Acetate
 Concen: 148.351 ug/l
 RT: 7.25 min Scan# 877
 Delta R.T. 0.01 min
 Lab File: VW008643.D
 Acq: 13 Feb 2019 16:29

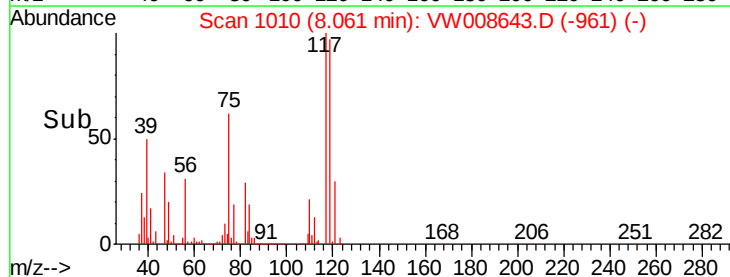
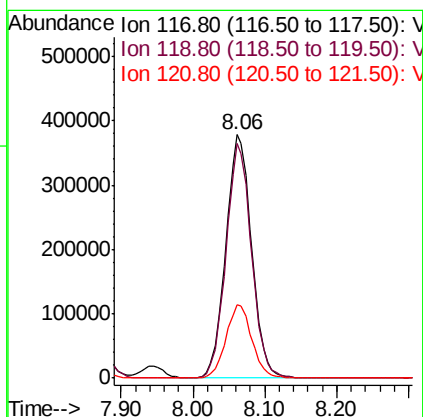
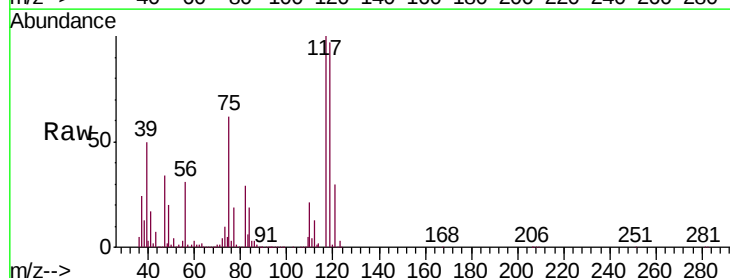
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

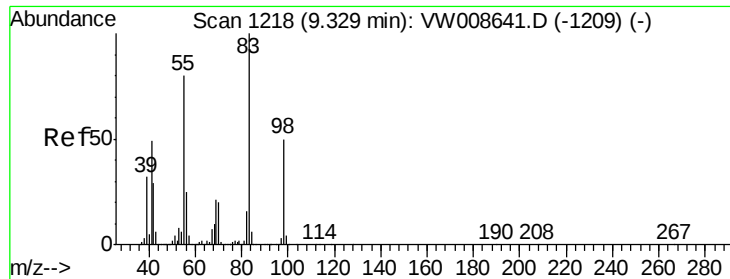
Tgt Ion: 43 Resp: 475052
 Ion Ratio Lower Upper
 43 100
 61 12.4 10.5 15.7
 70 9.6 8.1 12.1



#38
 Carbon Tetrachloride
 Concen: 142.394 ug/l
 RT: 8.06 min Scan# 1010
 Delta R.T. 0.00 min
 Lab File: VW008643.D
 Acq: 13 Feb 2019 16:29

Tgt Ion: 117 Resp: 939947
 Ion Ratio Lower Upper
 117 100
 119 96.5 75.1 112.7
 121 30.4 23.5 35.3

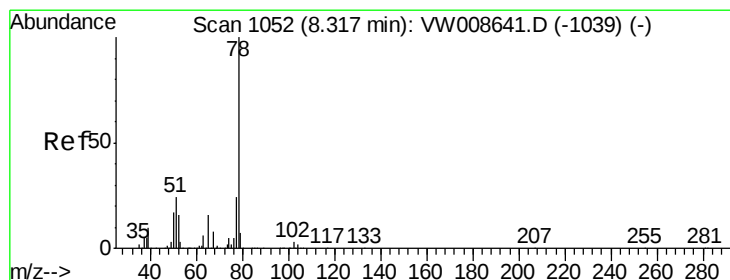
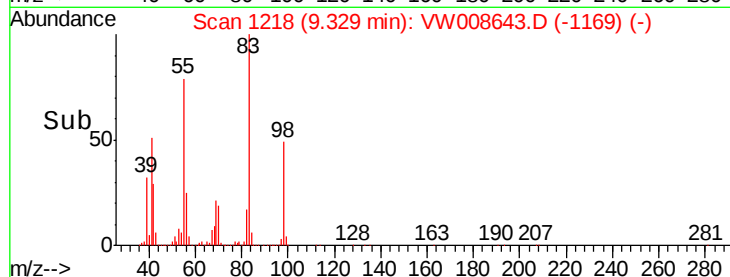
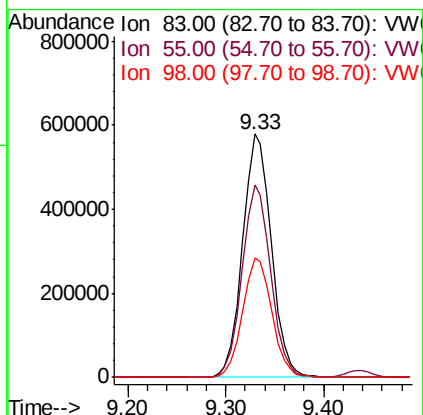
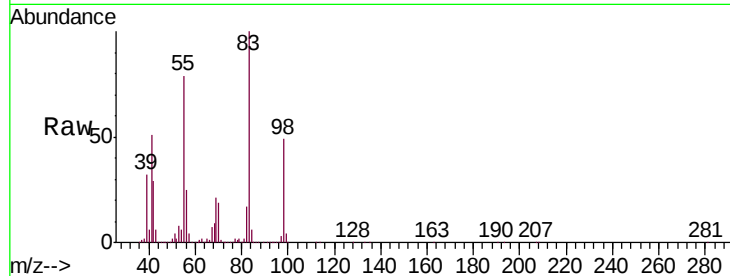




#39
Methylcyclohexane
Concen: 140.474 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. 0.00 min
Lab File: VW008643.D
Acq: 13 Feb 2019 16:29

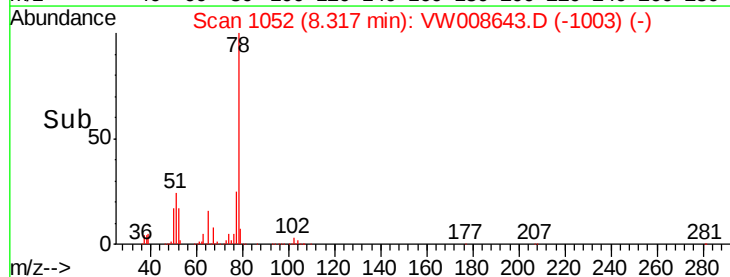
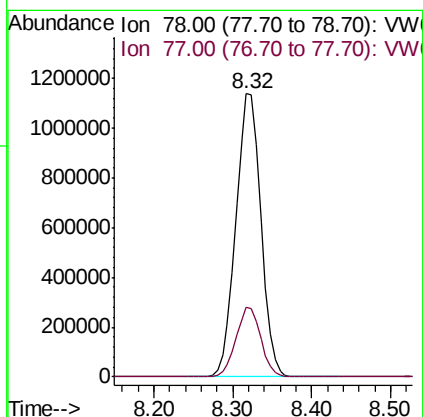
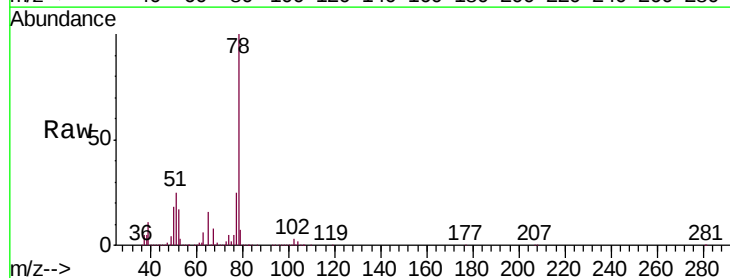
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

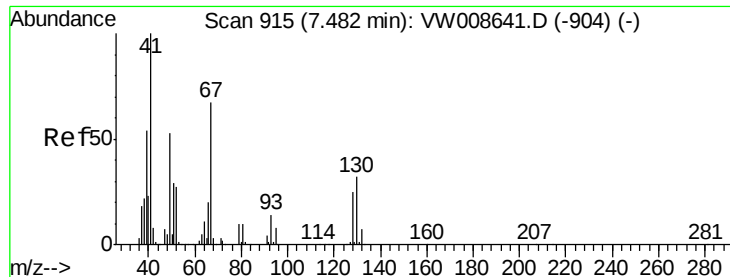
Tgt Ion: 83 Resp: 1179468
Ion Ratio Lower Upper
83 100
55 78.8 63.9 95.9
98 49.0 40.2 60.2



#40
Benzene
Concen: 138.687 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. 0.00 min
Lab File: VW008643.D
Acq: 13 Feb 2019 16:29

Tgt Ion: 78 Resp: 2514368
Ion Ratio Lower Upper
78 100
77 24.8 19.5 29.3

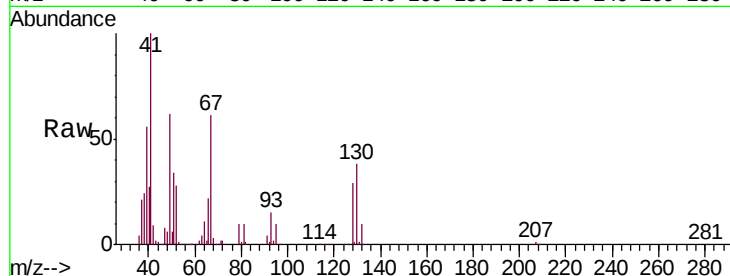




#41
Methacrylonitrile
Concen: 165.335 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW008643.D
Acq: 13 Feb 2019 16:29

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tgt Ion:	41	Resp:	297882
Ion	Ratio	Lower	Upper
41	100		
39	56.9	39.7	59.5
67	61.3	52.5	78.7
52	28.8	23.1	34.7



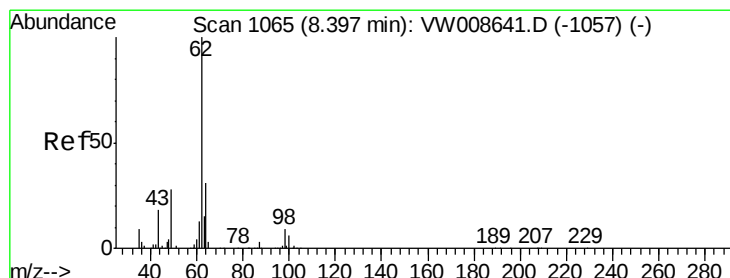
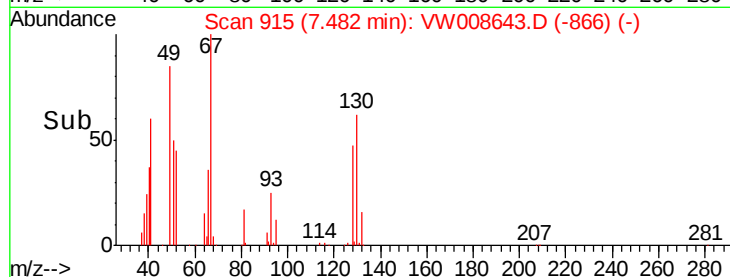
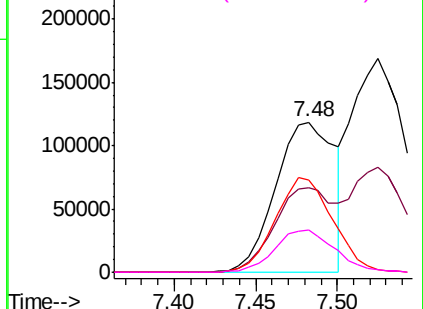
Abundance

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

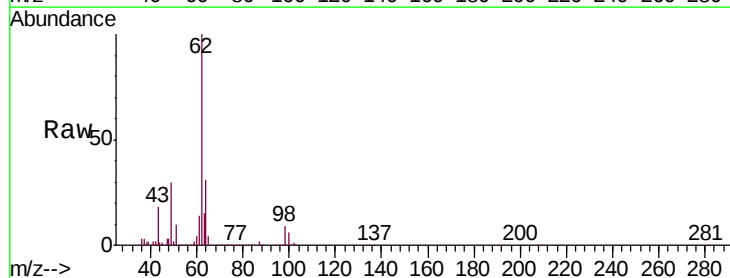
Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW



#42
1,2-Dichloroethane
Concen: 141.783 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW008643.D
Acq: 13 Feb 2019 16:29

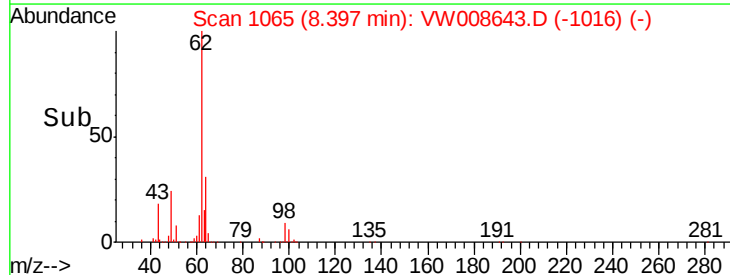
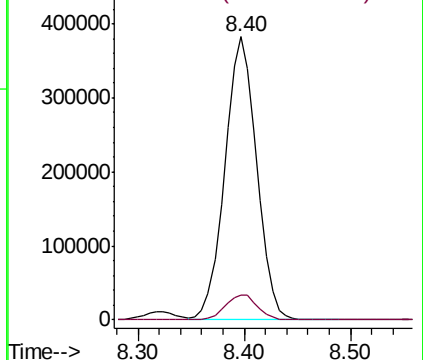
Tgt Ion:	62	Resp:	797322
Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	18.2

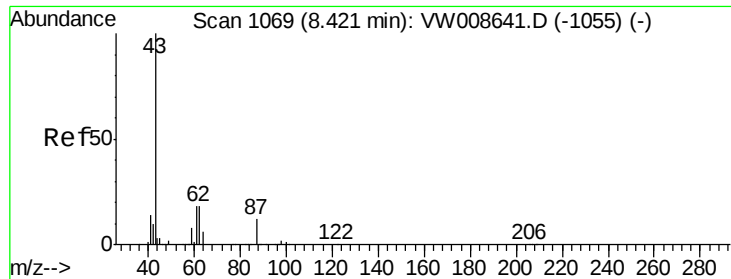


Abundance

Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 151.467 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW008643.D

Acq: 13 Feb 2019 16:29

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

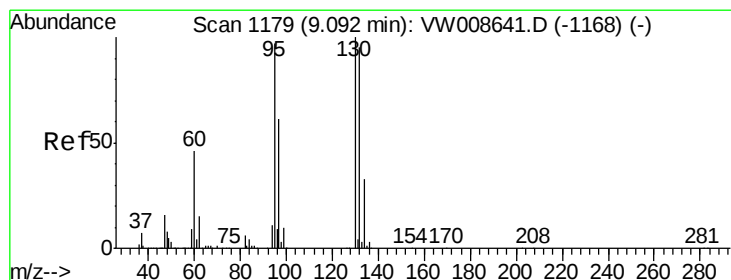
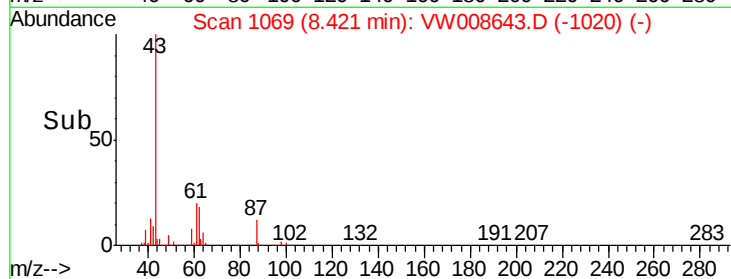
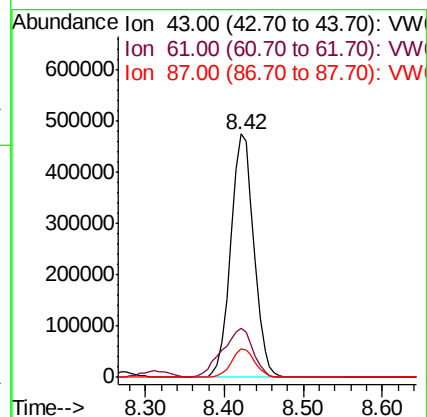
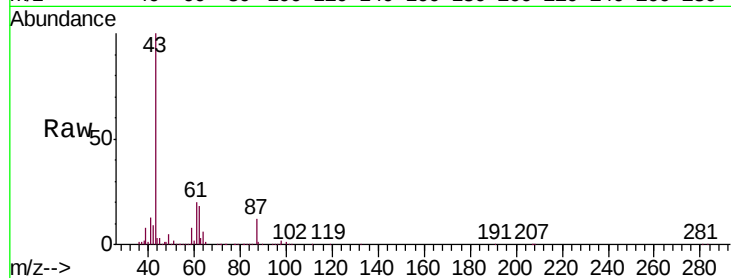
Tgt Ion: 43 Resp: 967155

Ion Ratio Lower Upper

43 100

61 26.6 21.4 32.2

87 12.0 9.8 14.8



#44

Trichloroethene

Concen: 137.305 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW008643.D

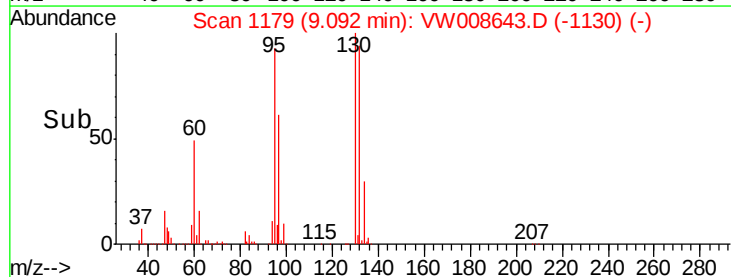
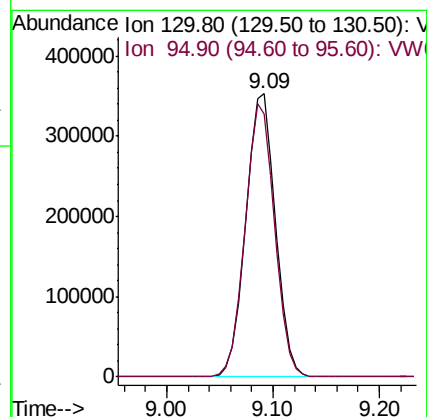
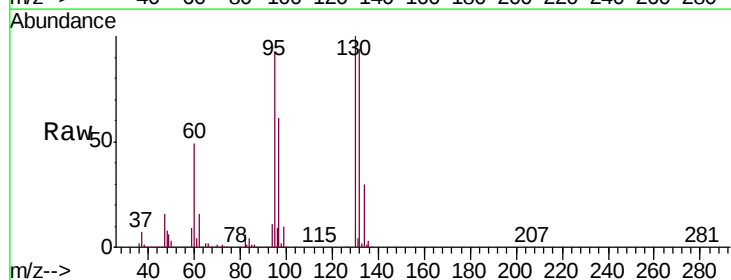
Acq: 13 Feb 2019 16:29

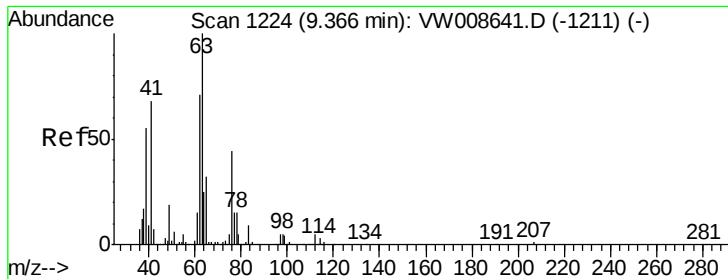
Tgt Ion: 130 Resp: 690207

Ion Ratio Lower Upper

130 100

95 92.7 0.0 193.4





#45

1,2-Dichloropropane

Concen: 138.878 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW008643.D

Acq: 13 Feb 2019 16:29

Instrument :

MSVOA_W

ClientSampleId :

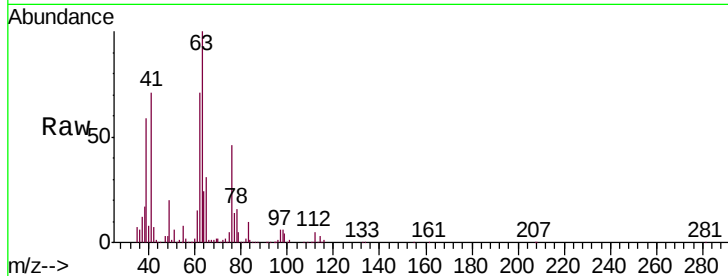
VSTDIC150

Tgt Ion: 63 Resp: 623121

Ion Ratio Lower Upper

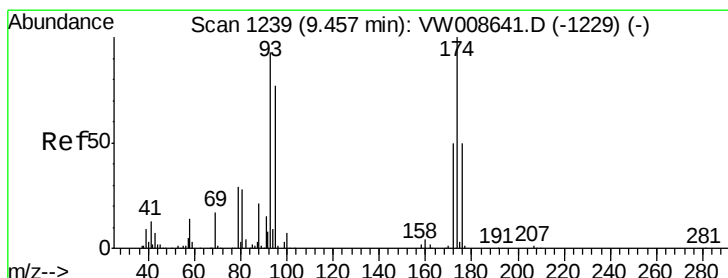
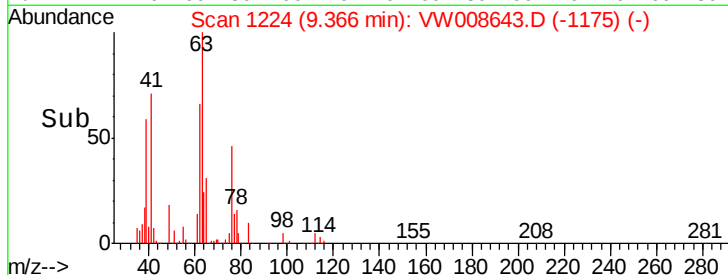
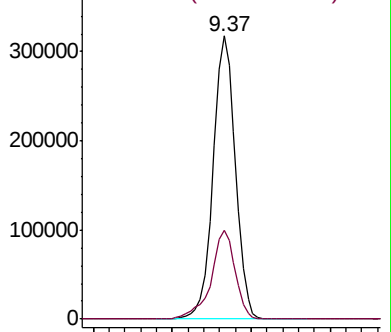
63 100

65 31.3 25.4 38.0



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 64.90 (64.60 to 65.60): VW



#46

Dibromomethane

Concen: 140.401 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VW008643.D

Acq: 13 Feb 2019 16:29

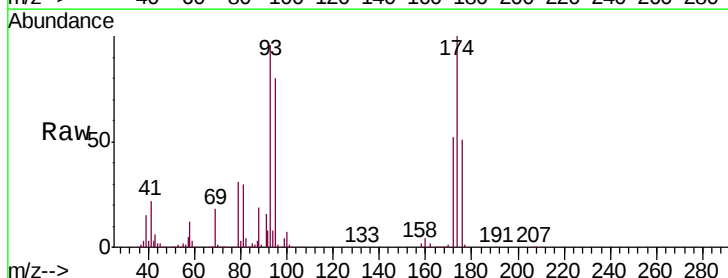
Tgt Ion: 93 Resp: 347018

Ion Ratio Lower Upper

93 100

95 83.5 65.8 98.8

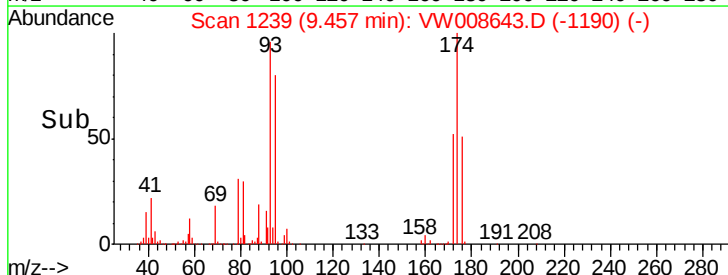
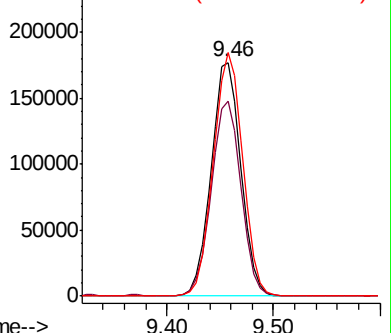
174 103.4 82.5 123.7

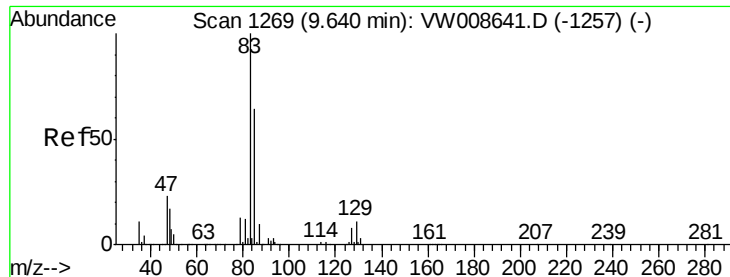


Abundance Ion 92.80 (92.50 to 93.50): VW

Ion 94.80 (94.50 to 95.50): VW

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 146.099 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VW008643.D

Acq: 13 Feb 2019 16:29

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

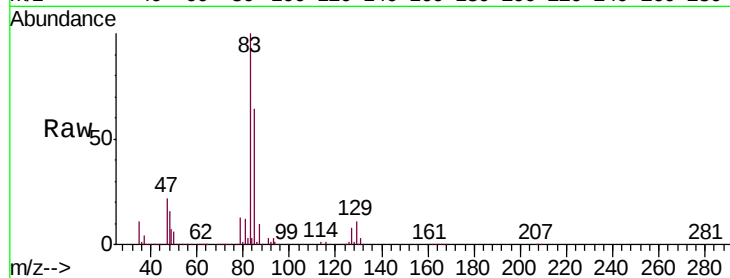
Tgt Ion: 83 Resp: 867832

Ion Ratio Lower Upper

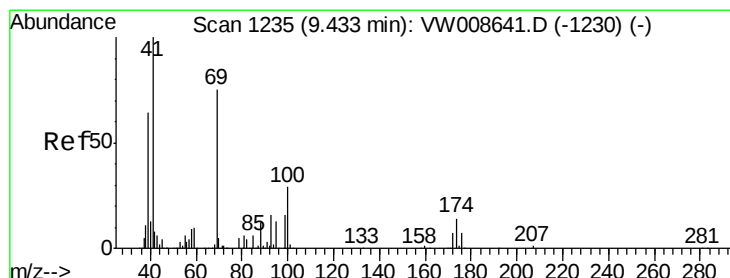
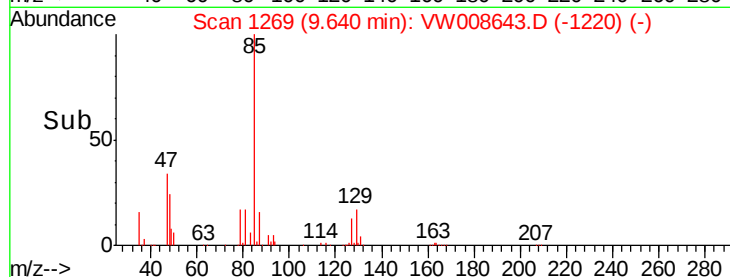
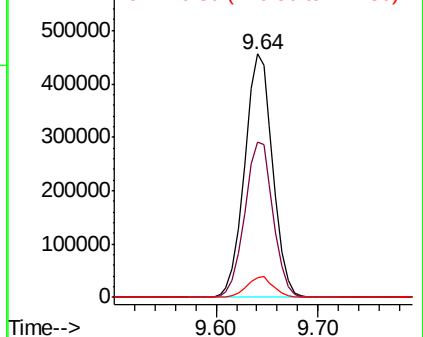
83 100

85 64.1 51.2 76.8

127 8.0 6.4 9.6



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



#48

Methyl methacrylate

Concen: 156.730 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. 0.00 min

Lab File: VW008643.D

Acq: 13 Feb 2019 16:29

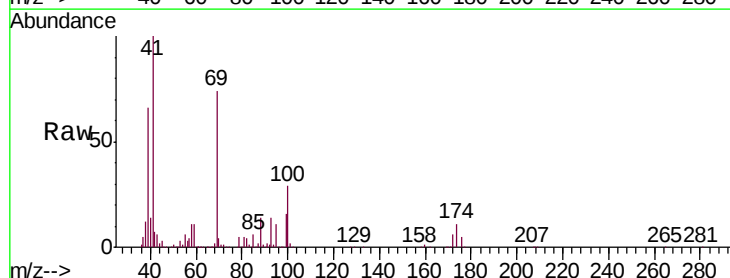
Tgt Ion: 41 Resp: 463787

Ion Ratio Lower Upper

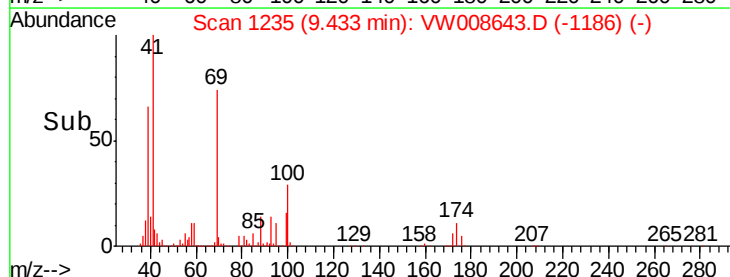
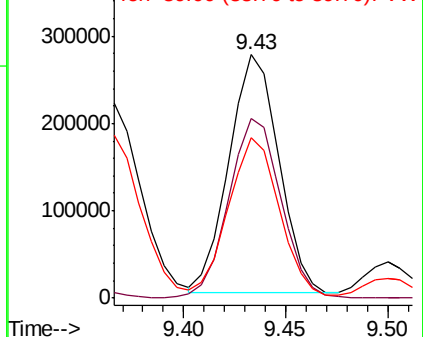
41 100

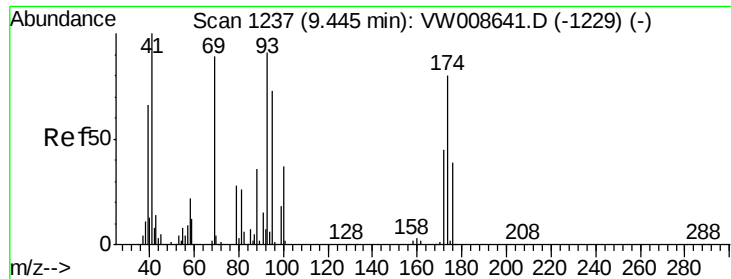
69 79.0 64.1 96.1

39 69.3 52.3 78.5



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

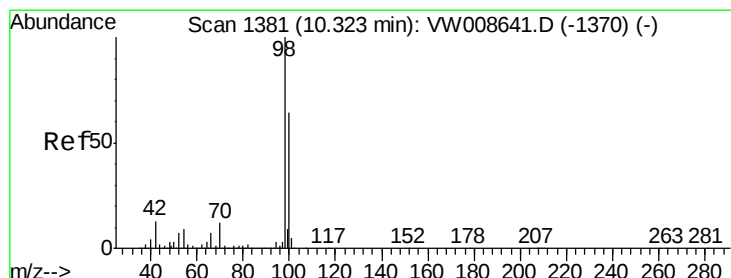
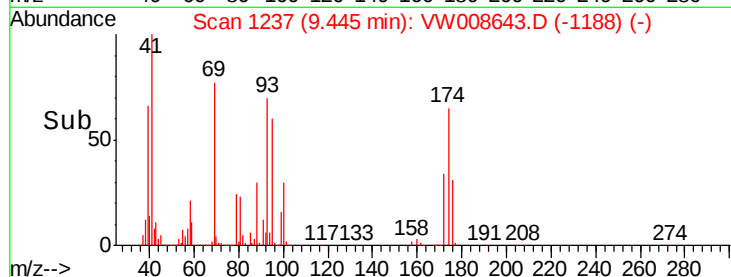
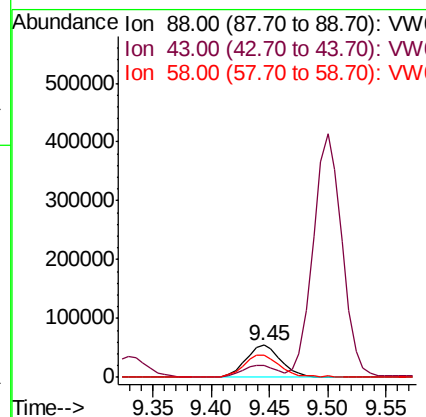
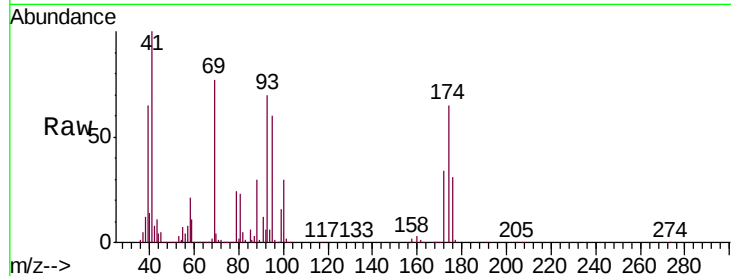




#49
1,4-Dioxane
Concen: 2918.242 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. 0.00 min
Lab File: VW008643.D
Acq: 13 Feb 2019 16:29

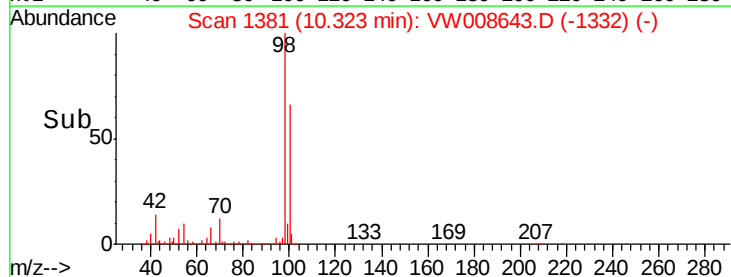
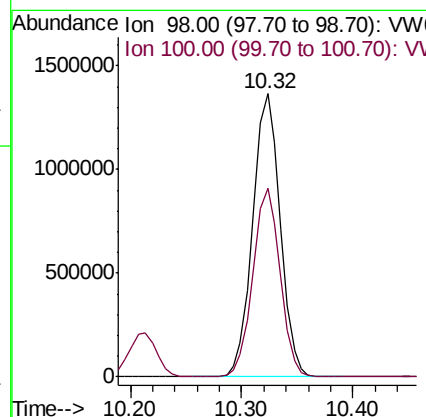
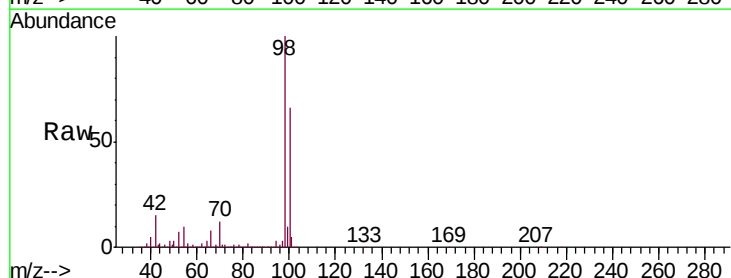
Instrument :
MSVOA_W
ClientSampled :
VSTDIC150

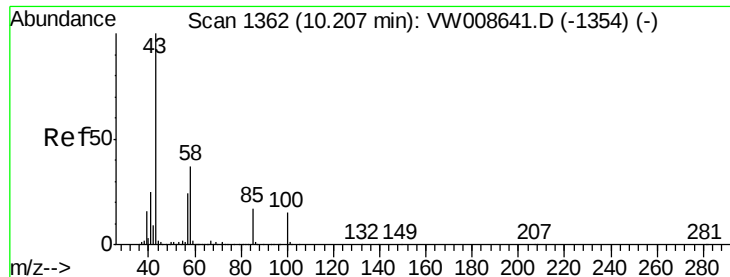
Tgt Ion: 88 Resp: 115133
Ion Ratio Lower Upper
88 100
43 36.5 31.0 46.6
58 73.1 57.0 85.6



#50
Toluene-d8
Concen: 148.477 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW008643.D
Acq: 13 Feb 2019 16:29

Tgt Ion: 98 Resp: 2348283
Ion Ratio Lower Upper
98 100
100 65.9 52.2 78.4





#51

4-Methyl-2-Pentanone

Concen: 775.817 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW008643.D

Acq: 13 Feb 2019 16:29

Instrument :

MSVOA_W

ClientSampleId :

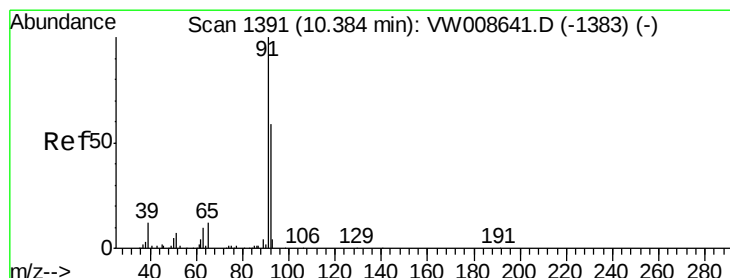
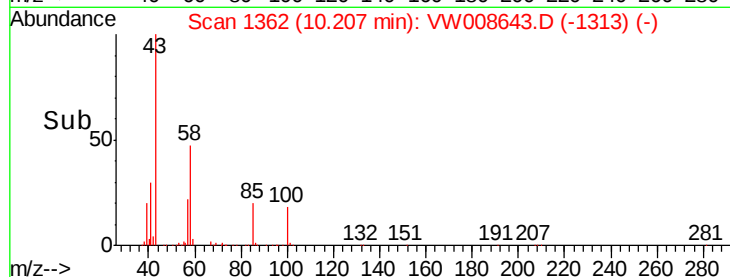
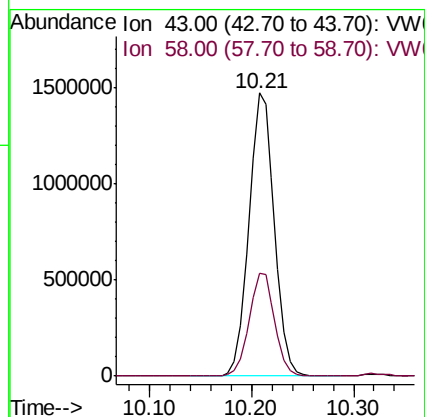
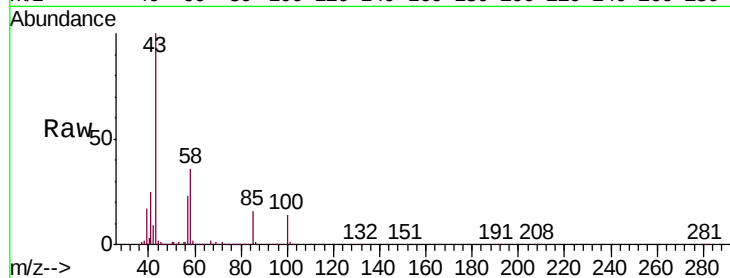
VSTDIC150

Tgt Ion: 43 Resp: 2544705

Ion Ratio Lower Upper

43 100

58 36.5 29.0 43.6



#52

Toluene

Concen: 144.107 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW008643.D

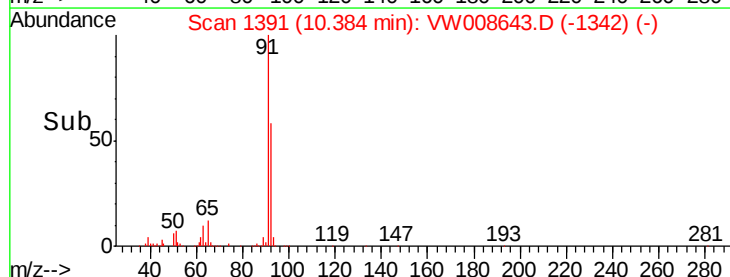
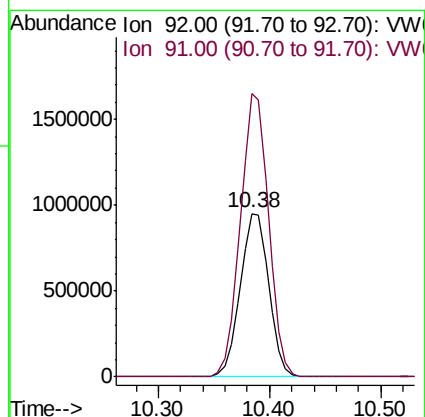
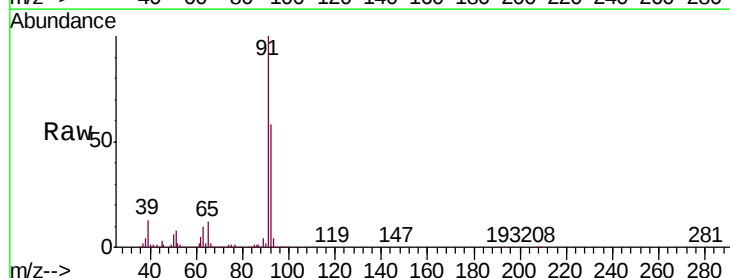
Acq: 13 Feb 2019 16:29

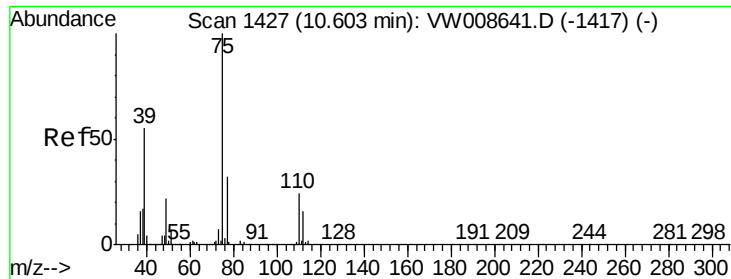
Tgt Ion: 92 Resp: 1685470

Ion Ratio Lower Upper

92 100

91 171.6 135.8 203.6





#53

t-1,3-Dichloropropene

Concen: 152.616 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW008643.D

Acq: 13 Feb 2019 16:29

Instrument :

MSVOA_W

ClientSampleId :

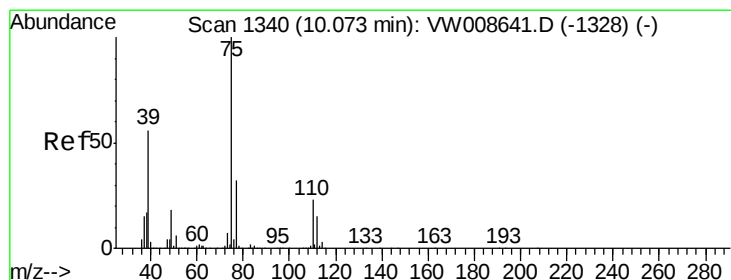
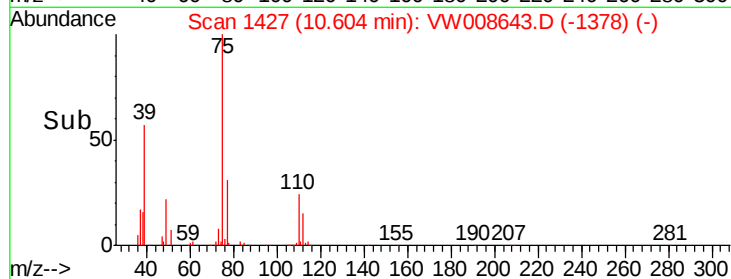
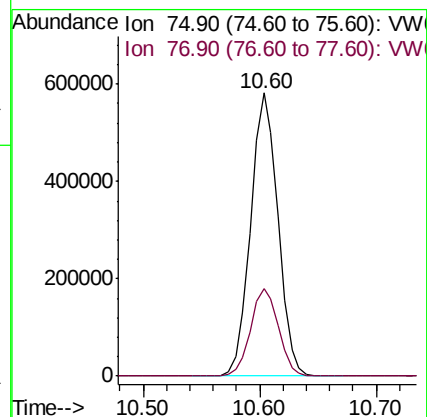
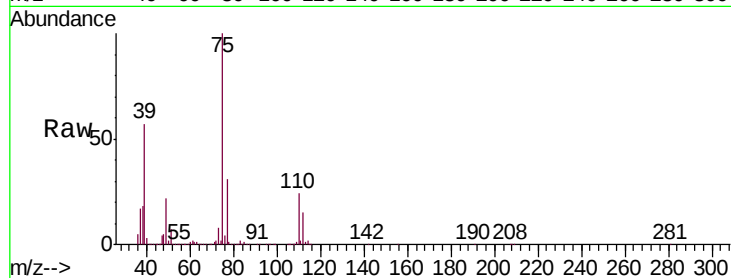
VSTDIC150

Tgt Ion: 75 Resp: 952359

Ion Ratio Lower Upper

75 100

77 30.7 25.7 38.5



#54

cis-1,3-Dichloropropene

Concen: 146.107 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW008643.D

Acq: 13 Feb 2019 16:29

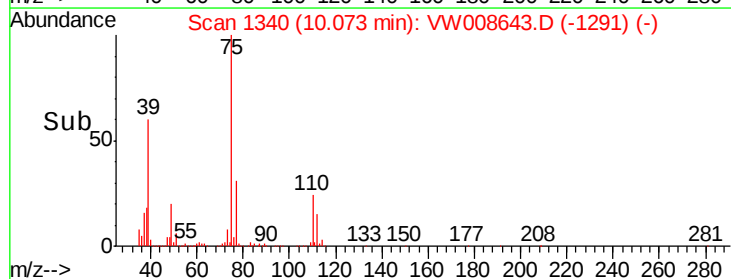
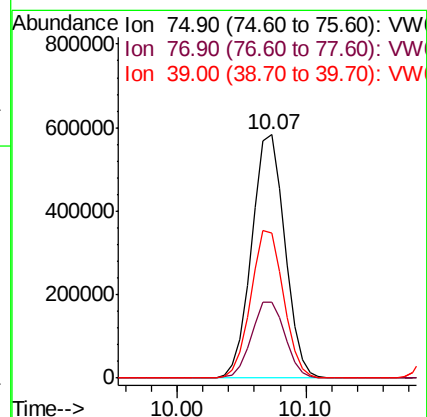
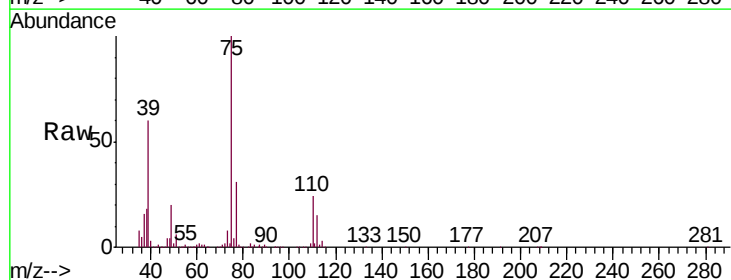
Tgt Ion: 75 Resp: 1033541

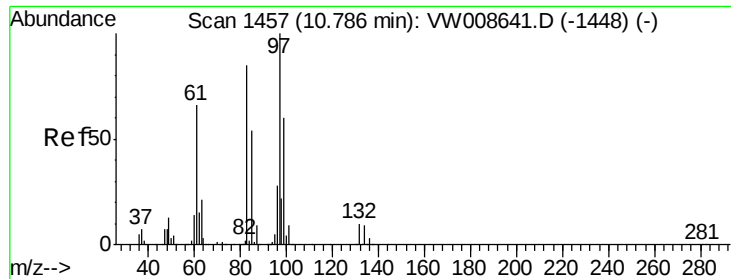
Ion Ratio Lower Upper

75 100

77 31.4 25.4 38.0

39 59.7 44.5 66.7

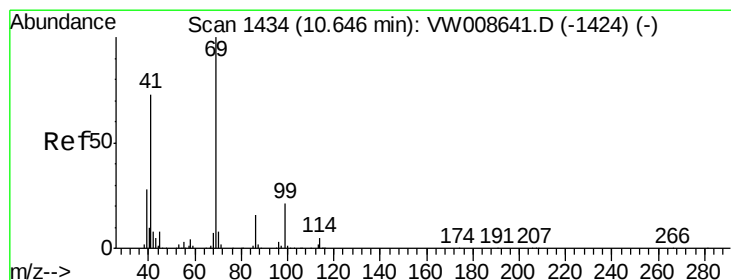
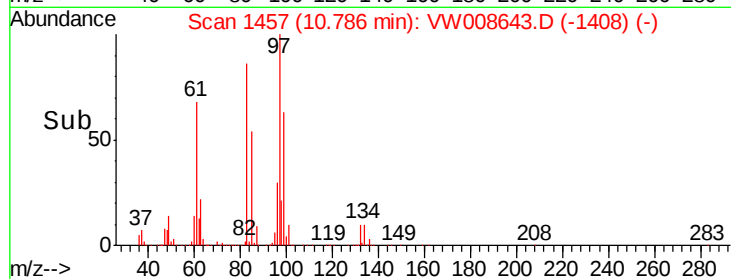
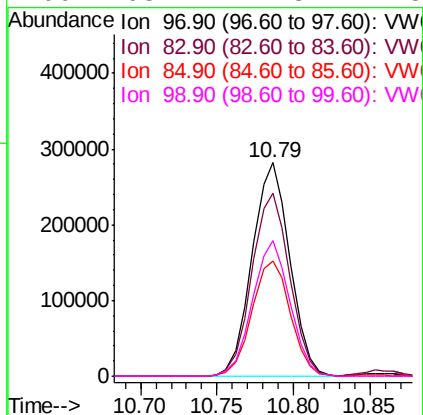
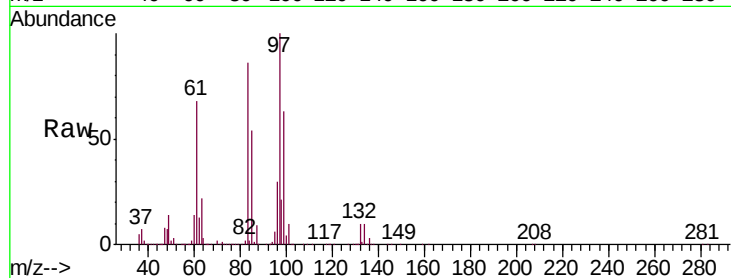




#55
 1,1,2-Trichloroethane
 Concen: 142.856 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW008643.D
 Acq: 13 Feb 2019 16:29

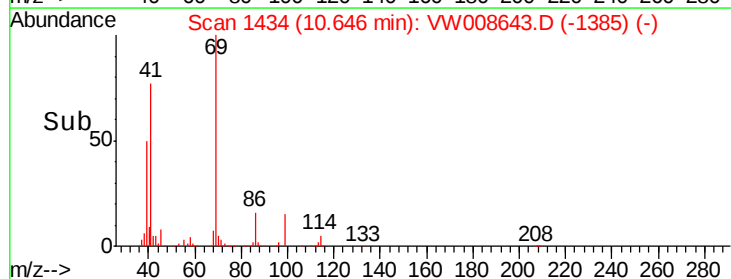
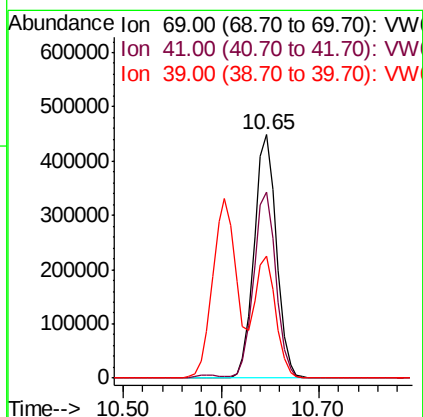
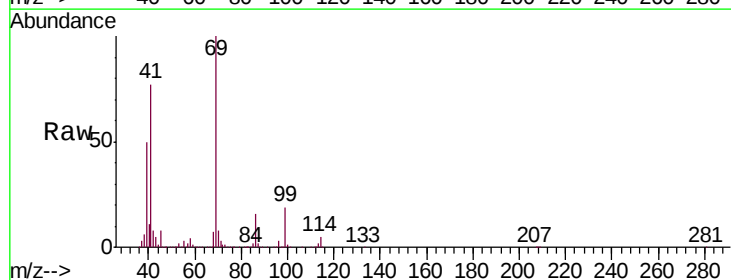
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

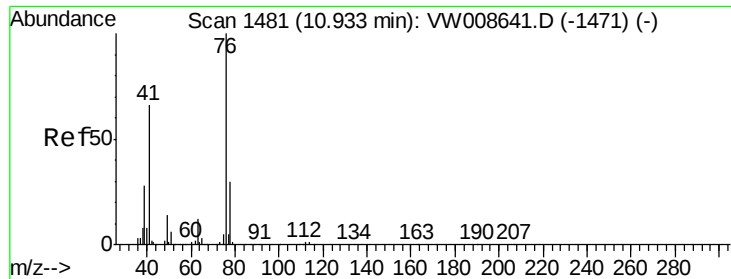
Tgt Ion	Resp	Lower	Upper
97	484477		
83	85.7	68.4	102.6
85	53.9	43.1	64.7
99	63.2	47.8	71.8



#56
 Ethyl methacrylate
 Concen: 157.406 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW008643.D
 Acq: 13 Feb 2019 16:29

Tgt Ion	Resp	Lower	Upper
69	708841		
41	76.4	59.0	88.4
39	45.4	34.4	51.6

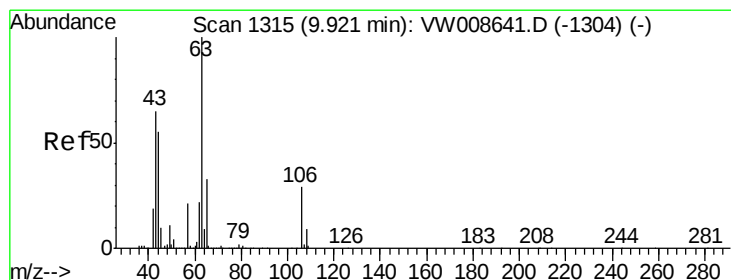
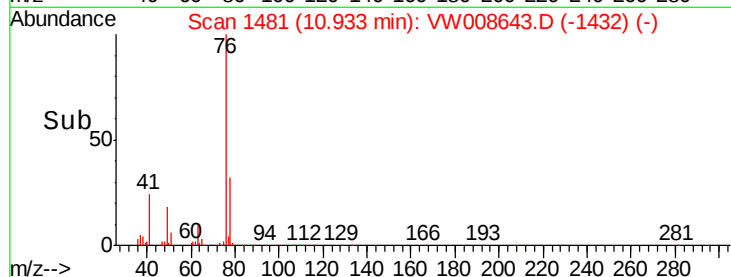
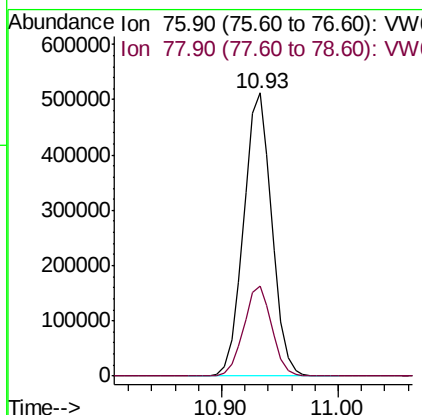
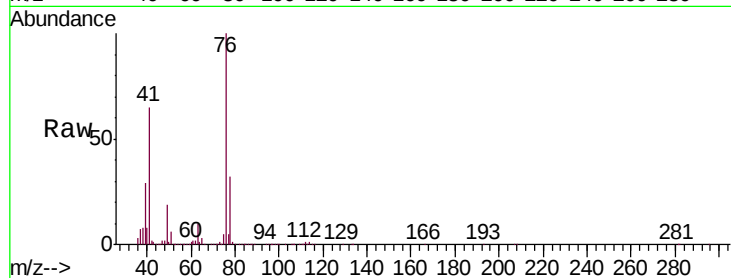




#57
 1,3-Dichloropropane
 Concen: 142.941 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW008643.D
 Acq: 13 Feb 2019 16:29

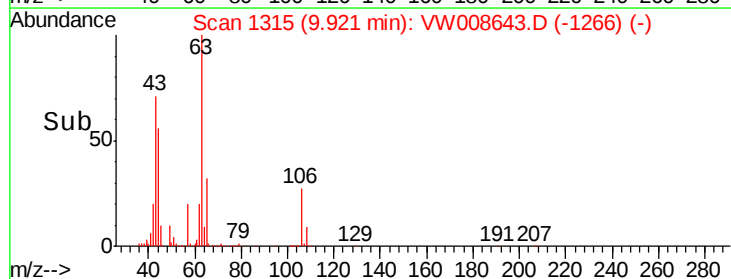
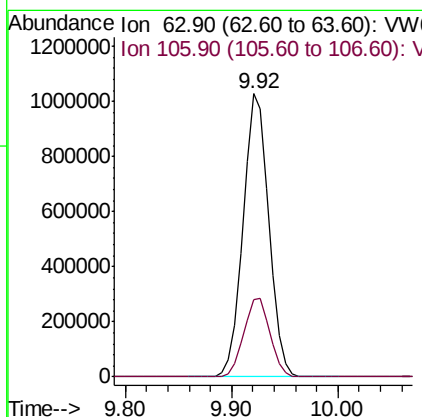
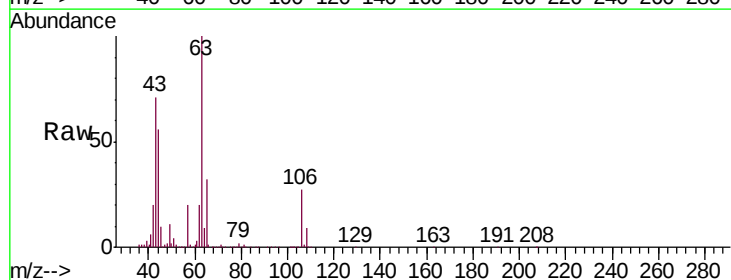
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

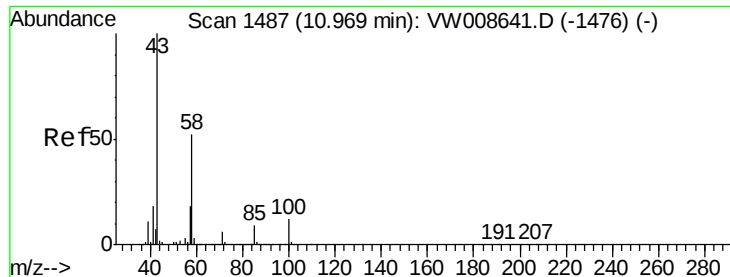
Tgt Ion: 76 Resp: 860101
 Ion Ratio Lower Upper
 76 100
 78 31.8 25.4 38.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 806.909 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW008643.D
 Acq: 13 Feb 2019 16:29

Tgt Ion: 63 Resp: 1743117
 Ion Ratio Lower Upper
 63 100
 106 28.3 23.4 35.2

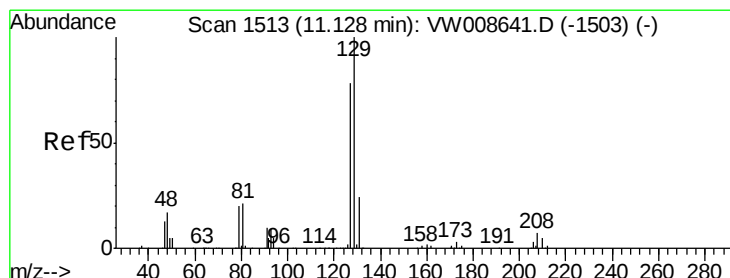
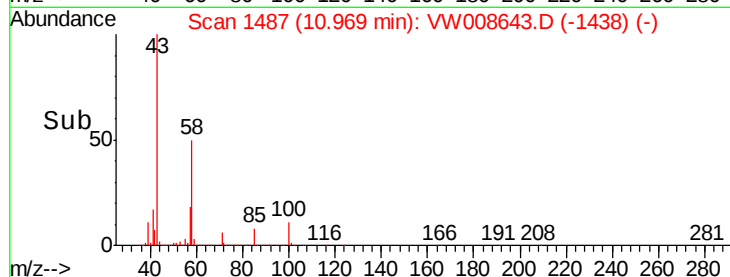
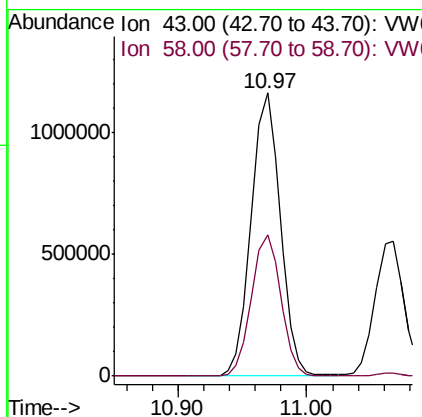
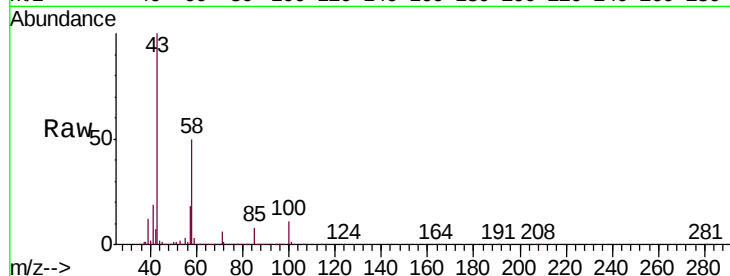




#59
2-Hexanone
Concen: 790.000 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW008643.D
Acq: 13 Feb 2019 16:29

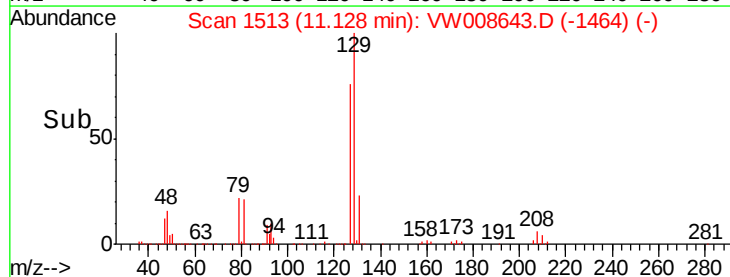
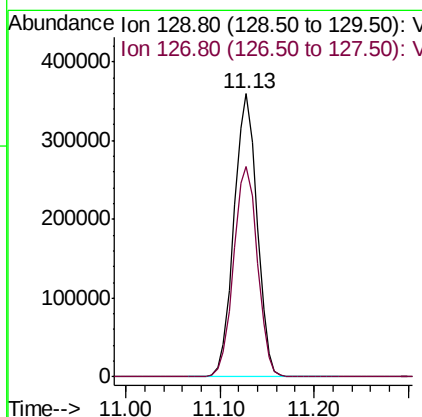
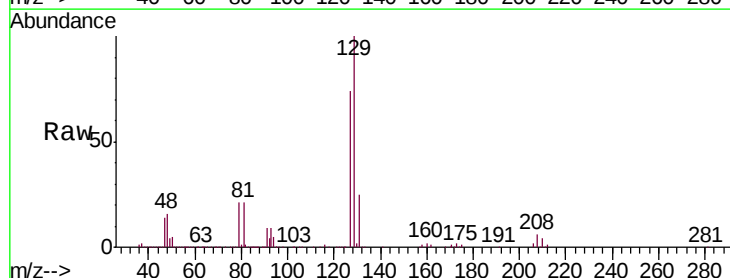
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

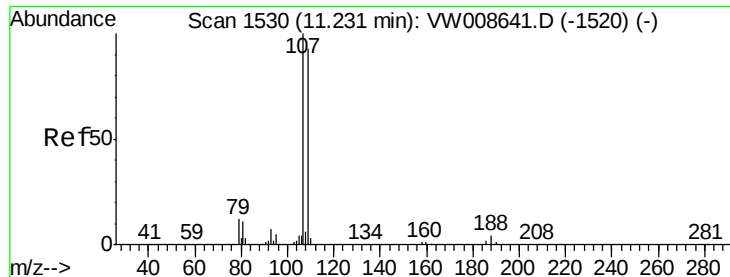
Tgt Ion: 43 Resp: 1820335
Ion Ratio Lower Upper
43 100
58 50.3 25.6 76.6



#60
Dibromochloromethane
Concen: 151.061 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW008643.D
Acq: 13 Feb 2019 16:29

Tgt Ion: 129 Resp: 612978
Ion Ratio Lower Upper
129 100
127 76.4 38.5 115.3

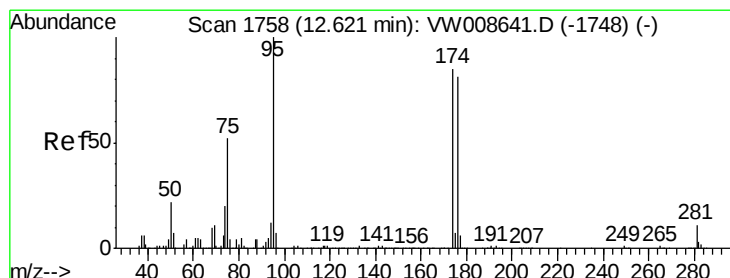
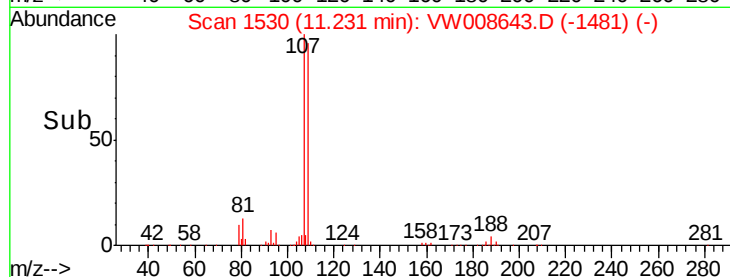
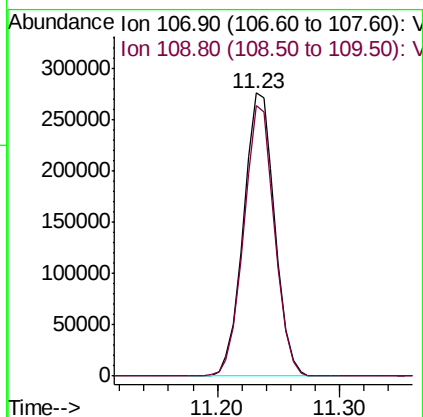
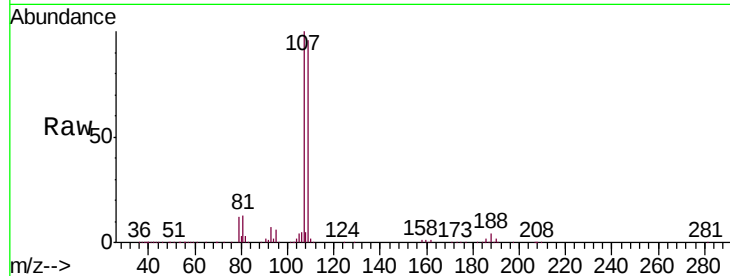




#61
 1,2-Dibromoethane
 Concen: 146.159 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. 0.00 min
 Lab File: VW008643.D
 Acq: 13 Feb 2019 16:29

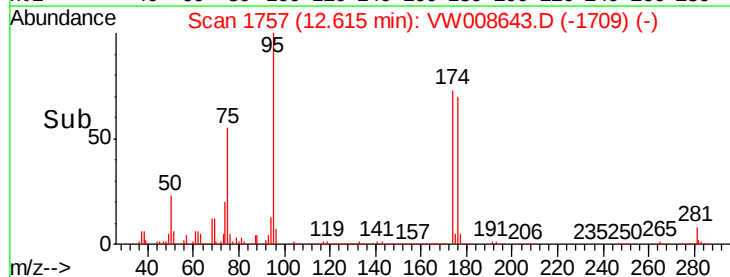
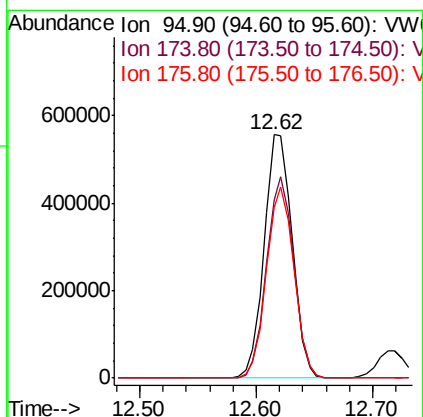
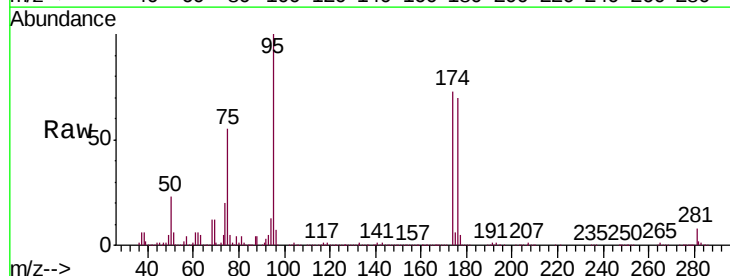
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

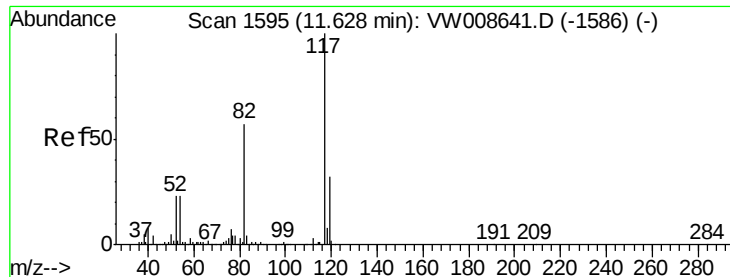
Tgt Ion: 107 Resp: 488044
 Ion Ratio Lower Upper
 107 100
 109 94.1 74.8 112.2



#62
 4-Bromofluorobenzene
 Concen: 154.679 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.01 min
 Lab File: VW008643.D
 Acq: 13 Feb 2019 16:29

Tgt Ion: 95 Resp: 921462
 Ion Ratio Lower Upper
 95 100
 174 80.3 0.0 163.2
 176 77.0 0.0 158.0

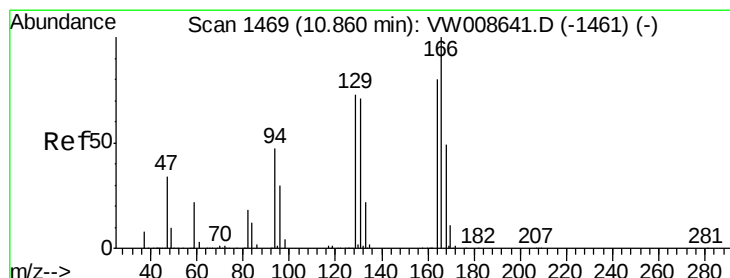
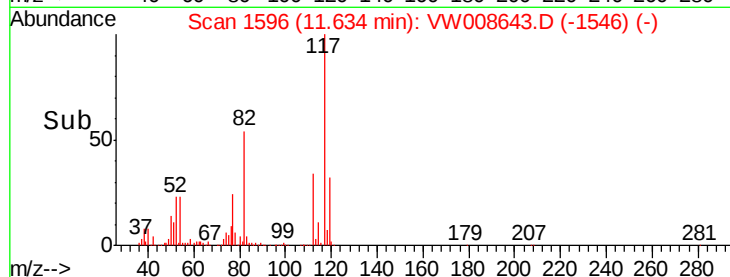
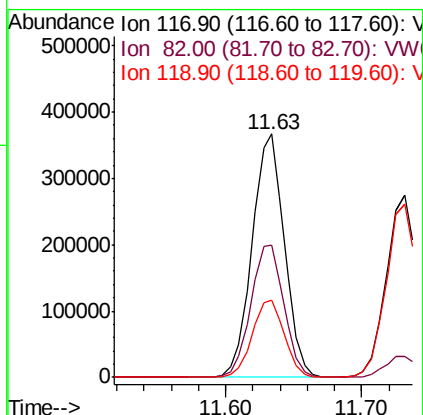
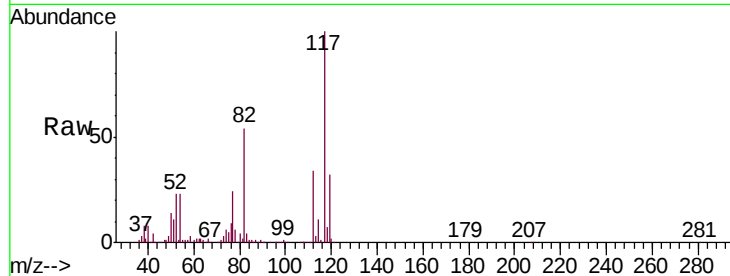




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.01 min
Lab File: VW008643.D
Acq: 13 Feb 2019 16:29

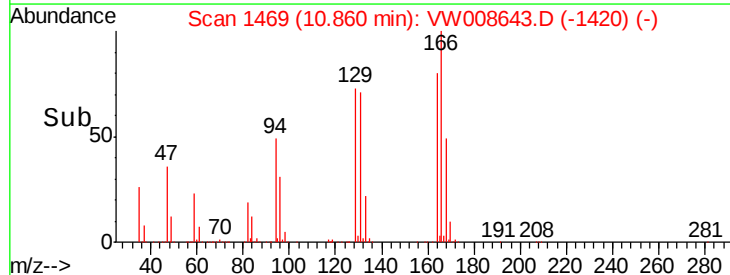
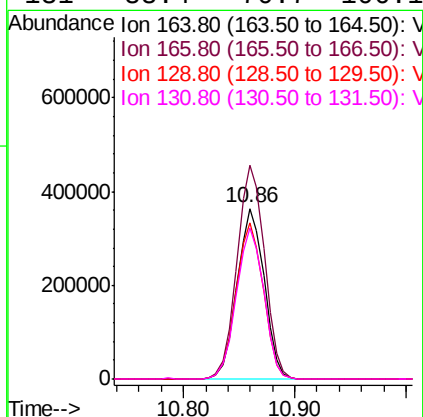
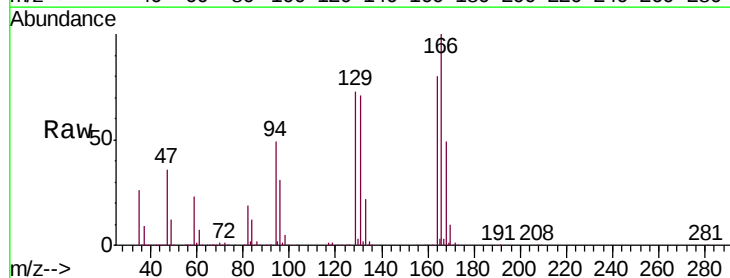
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

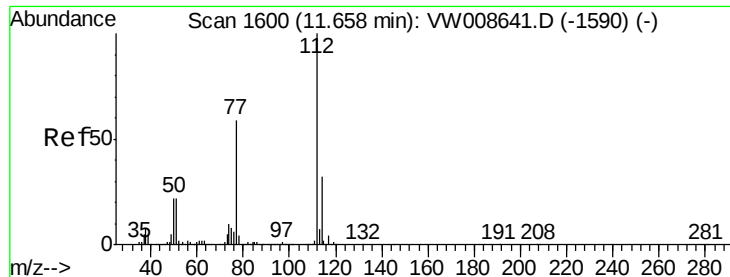
Tgt Ion:117 Resp: 610570
Ion Ratio Lower Upper
117 100
82 54.2 45.6 68.4
119 31.9 25.7 38.5



#64
Tetrachloroethene
Concen: 135.521 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW008643.D
Acq: 13 Feb 2019 16:29

Tgt Ion:164 Resp: 615325
Ion Ratio Lower Upper
164 100
166 125.2 100.2 150.2
129 91.4 73.6 110.4
131 88.4 70.7 106.1





#65

Chlorobenzene

Concen: 137.810 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VW008643.D

Acq: 13 Feb 2019 16:29

Instrument :

MSVOA_W

ClientSampleId :

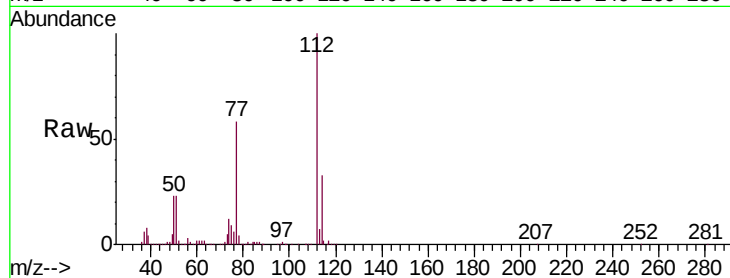
VSTDIC150

Tgt Ion:112 Resp: 1813576

Ion Ratio Lower Upper

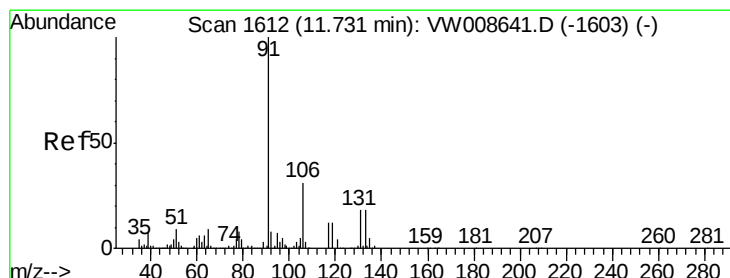
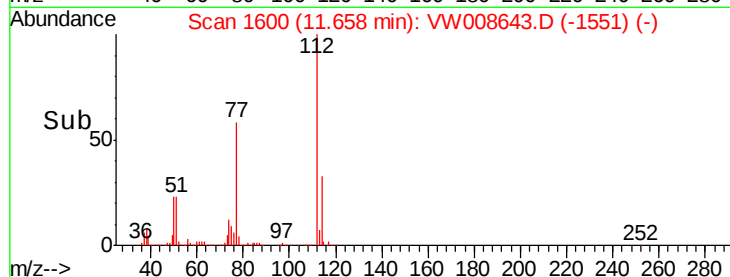
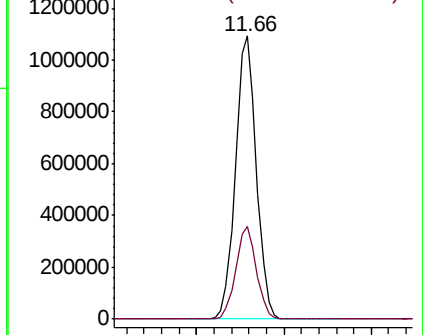
112 100

114 32.7 25.7 38.5



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 142.062 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW008643.D

Acq: 13 Feb 2019 16:29

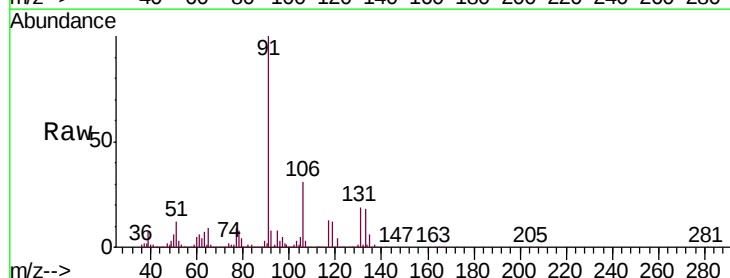
Tgt Ion:131 Resp: 662285

Ion Ratio Lower Upper

131 100

133 95.8 47.8 143.4

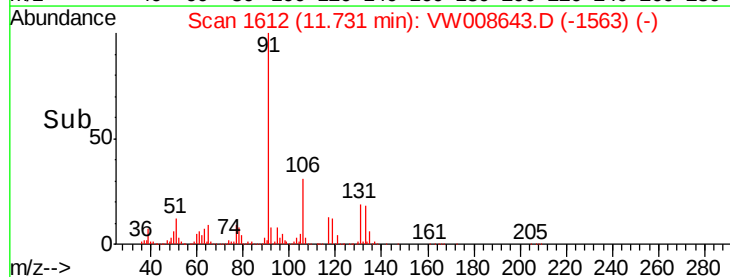
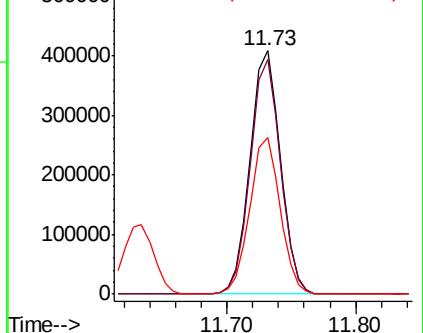
119 64.4 31.6 94.8

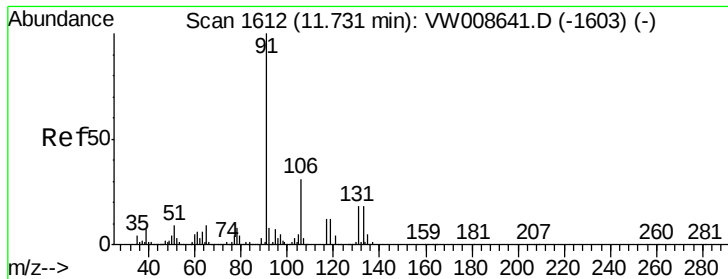


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

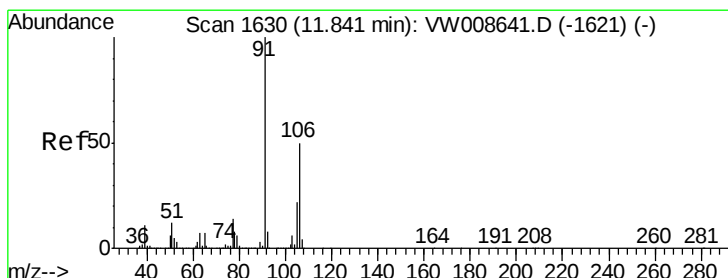
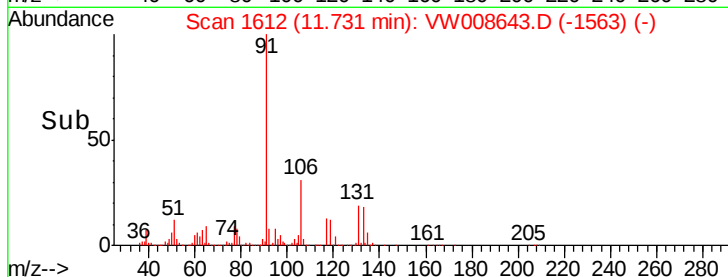
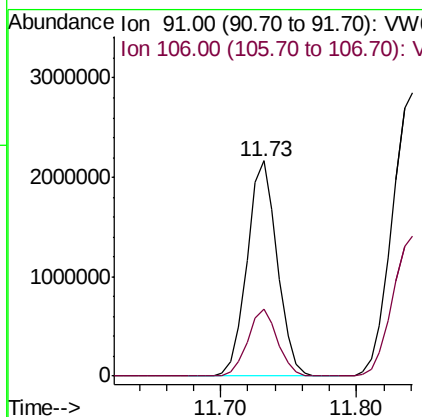
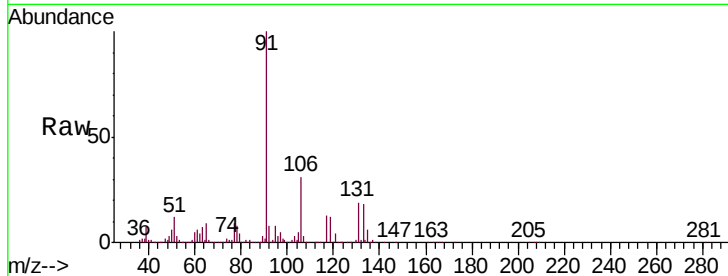




#67
Ethyl Benzene
Concen: 143.247 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW008643.D
Acq: 13 Feb 2019 16:29

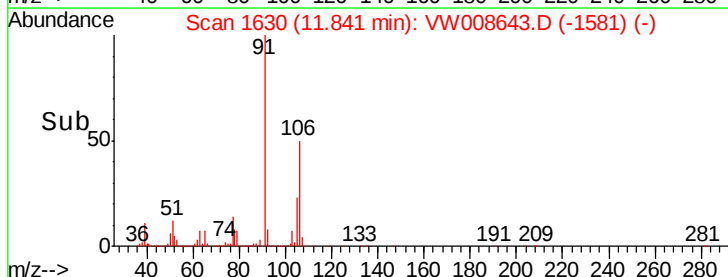
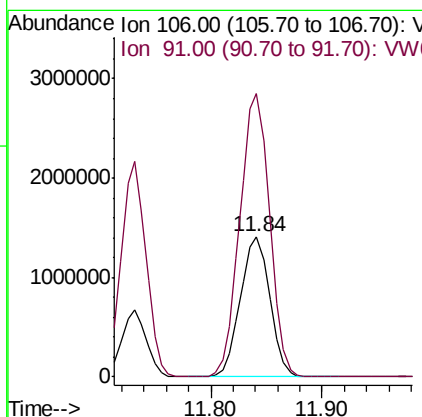
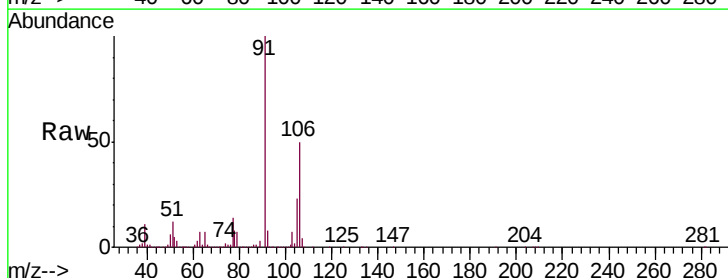
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

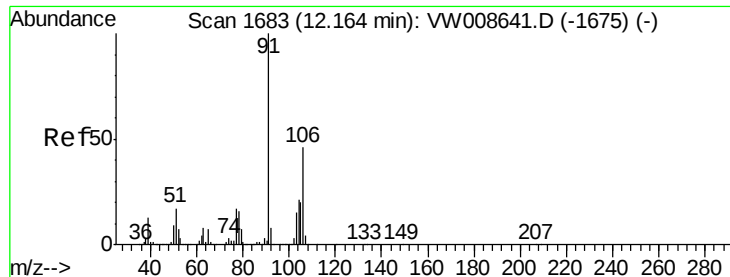
Tgt Ion: 91 Resp: 3357994
Ion Ratio Lower Upper
91 100
106 31.2 24.5 36.7



#68
m/p-Xylenes
Concen: 285.130 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW008643.D
Acq: 13 Feb 2019 16:29

Tgt Ion: 106 Resp: 2600682
Ion Ratio Lower Upper
106 100
91 203.3 161.0 241.4

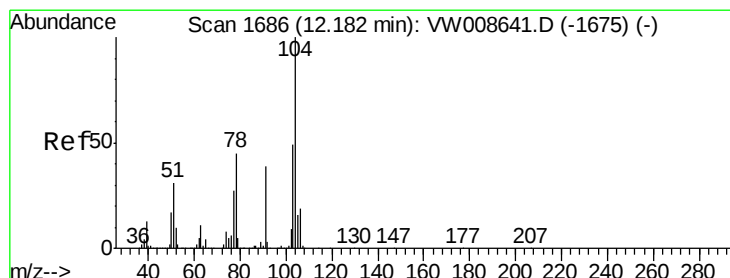
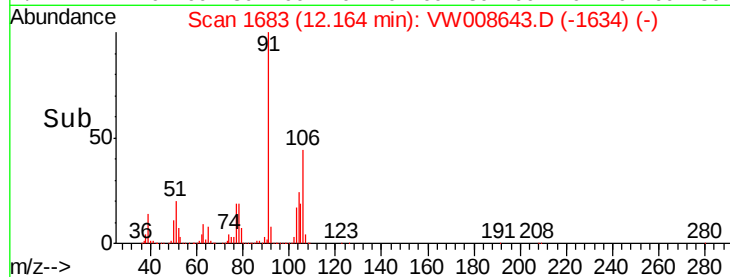
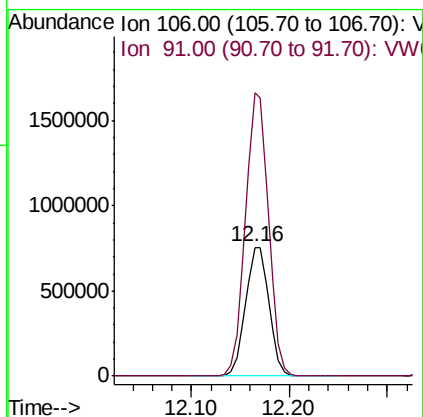
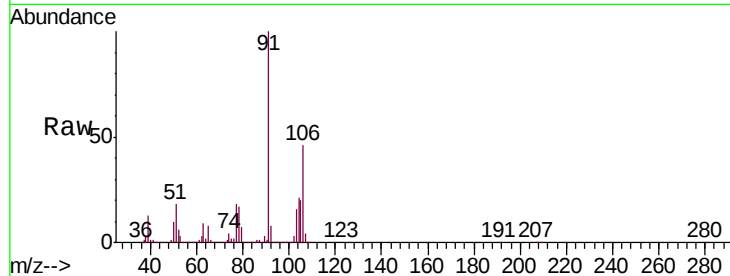




#69
o-Xylene
Concen: 145.416 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW008643.D
Acq: 13 Feb 2019 16:29

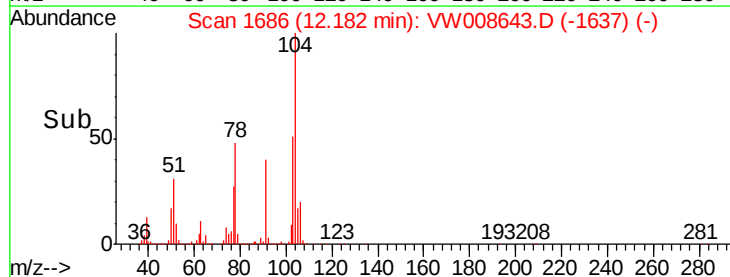
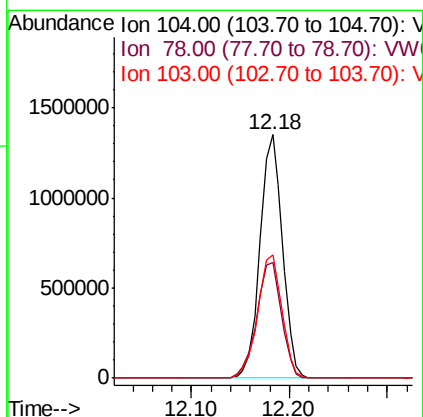
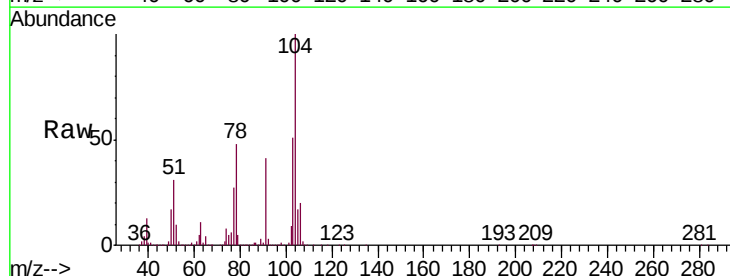
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

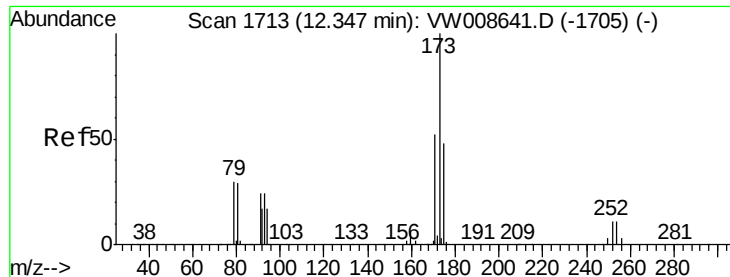
Tgt Ion:106 Resp: 1253725
Ion Ratio Lower Upper
106 100
91 216.5 106.7 320.1



#70
Styrene
Concen: 152.087 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW008643.D
Acq: 13 Feb 2019 16:29

Tgt Ion:104 Resp: 2141706
Ion Ratio Lower Upper
104 100
78 52.8 41.5 62.3
103 54.9 43.5 65.3





#71

Bromoform

Concen: 159.335 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW008643.D

Acq: 13 Feb 2019 16:29

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

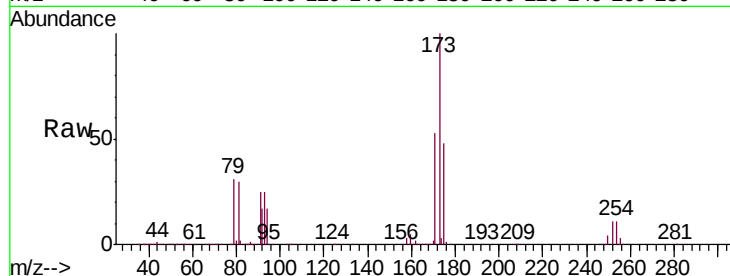
Tgt Ion:173 Resp: 400236

Ion Ratio Lower Upper

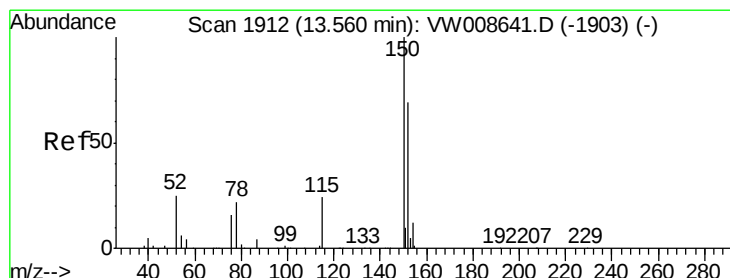
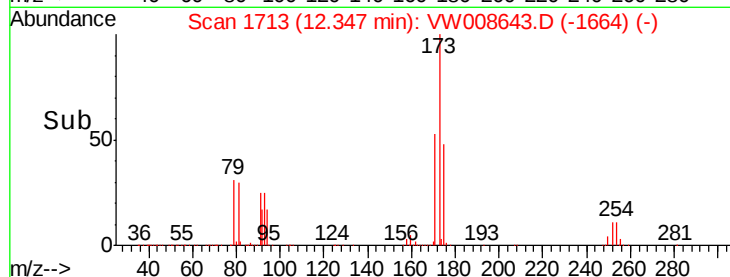
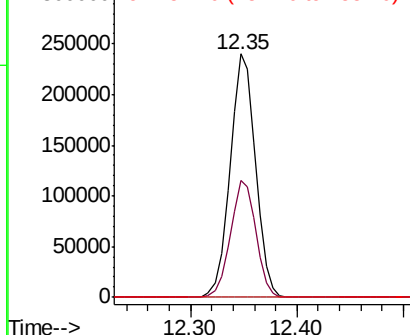
173 100

175 48.1 24.9 74.7

254 0.2 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW008643.D

Acq: 13 Feb 2019 16:29

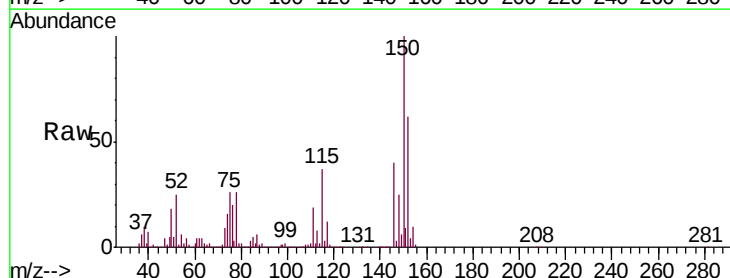
Tgt Ion:152 Resp: 321177

Ion Ratio Lower Upper

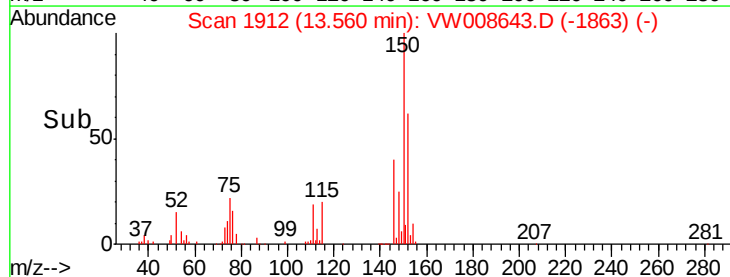
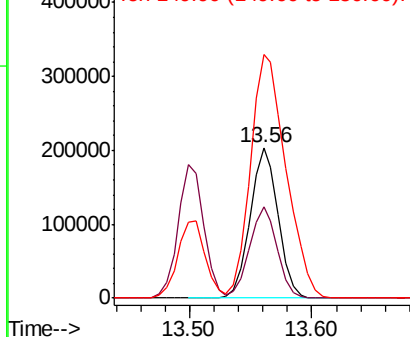
152 100

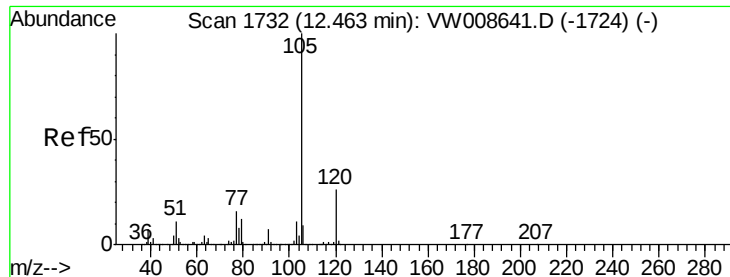
115 60.2 29.3 87.8

150 206.6 0.0 352.8



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: 147.983 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW008643.D

Acq: 13 Feb 2019 16:29

Instrument :

MSVOA_W

ClientSampleId :

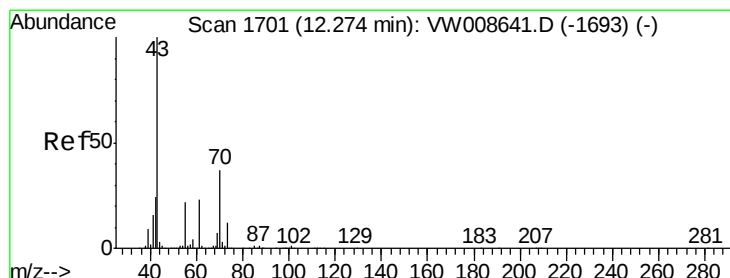
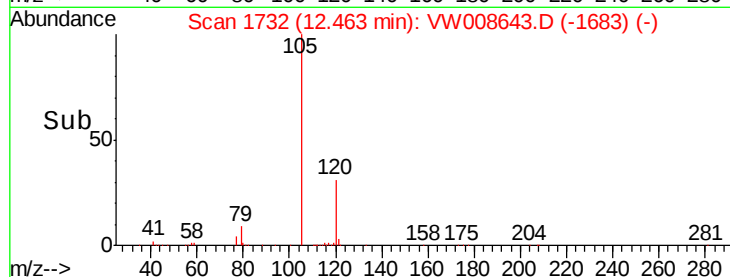
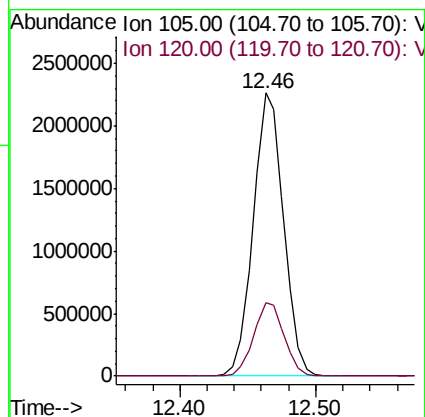
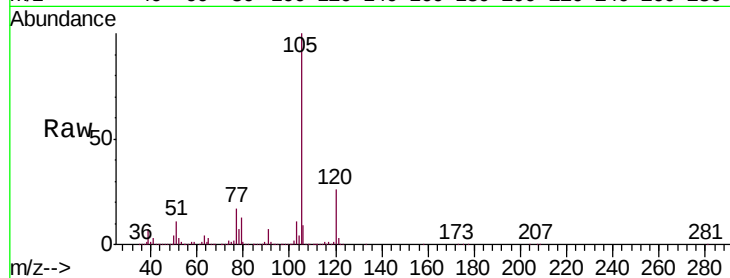
VSTDIC150

Tgt Ion:105 Resp: 3540308

Ion Ratio Lower Upper

105 100

120 26.3 13.2 39.6



#74

N-ethyl acetate

Concen: 163.893 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW008643.D

Acq: 13 Feb 2019 16:29

Tgt Ion: 43 Resp: 1060297

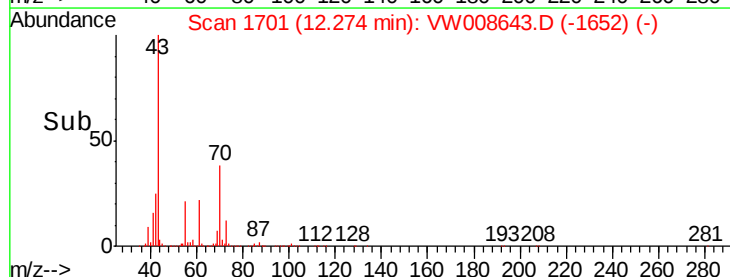
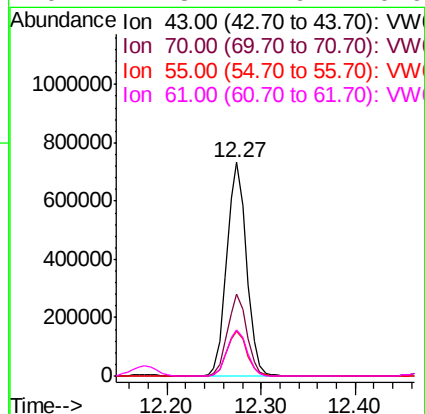
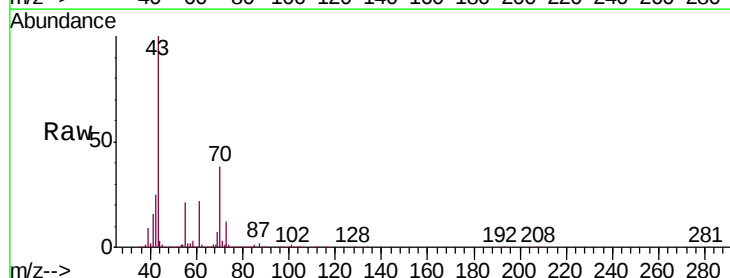
Ion Ratio Lower Upper

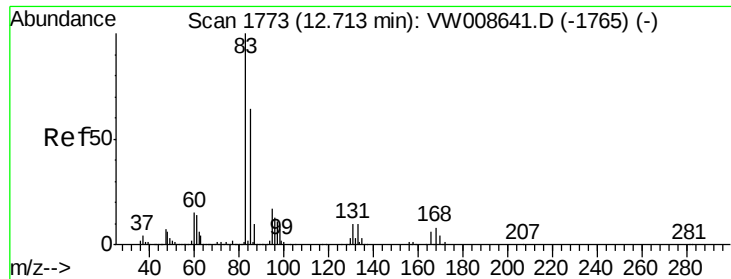
43 100

70 37.8 30.5 45.7

55 21.1 17.6 26.4

61 21.8 17.9 26.9





#75

1,1,2,2-Tetrachloroethane

Concen: 148.986 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW008643.D

Acq: 13 Feb 2019 16:29

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

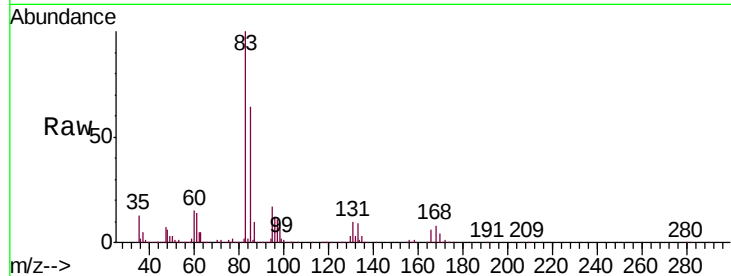
Tgt Ion: 83 Resp: 620143

Ion Ratio Lower Upper

83 100

131 10.5 5.5 16.7

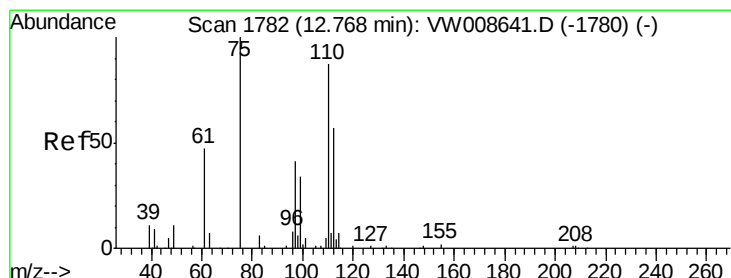
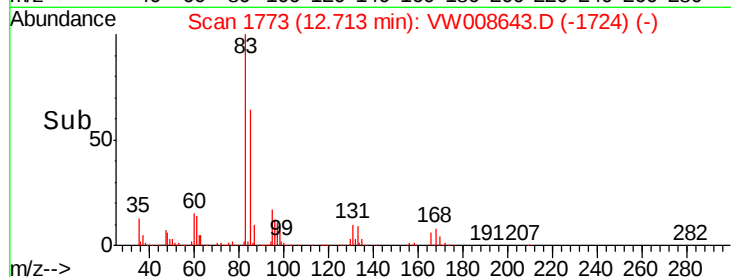
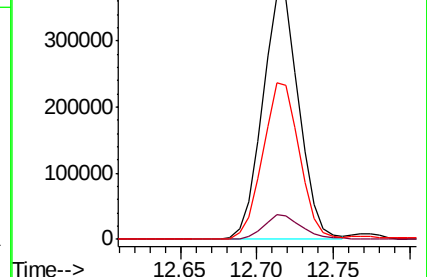
85 63.8 31.8 95.3



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



#76

1,2,3-Trichloropropane

Concen: 226.107 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW008643.D

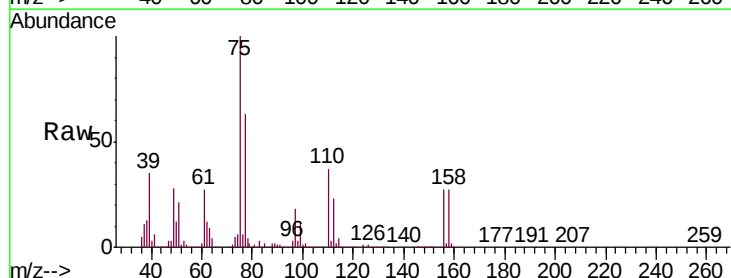
Acq: 13 Feb 2019 16:29

Tgt Ion: 75 Resp: 866741

Ion Ratio Lower Upper

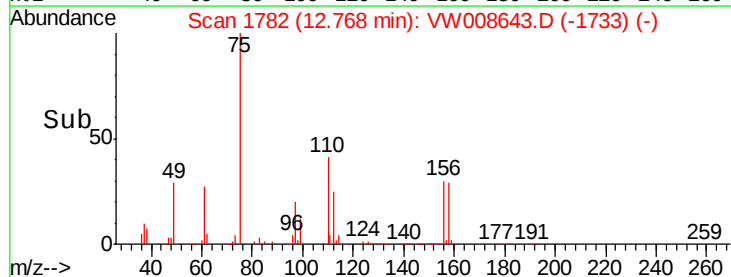
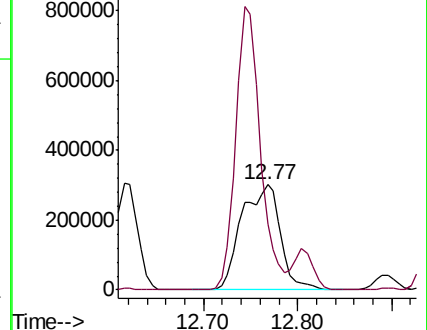
75 100

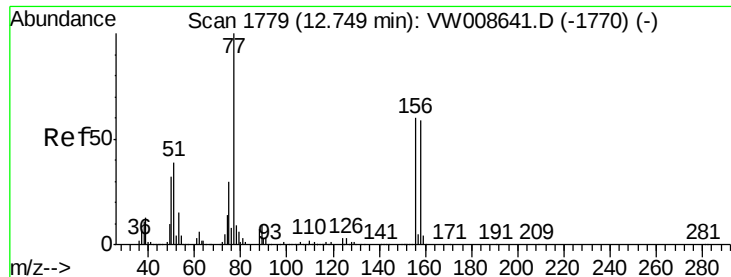
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 138.757 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW008643.D

Acq: 13 Feb 2019 16:29

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

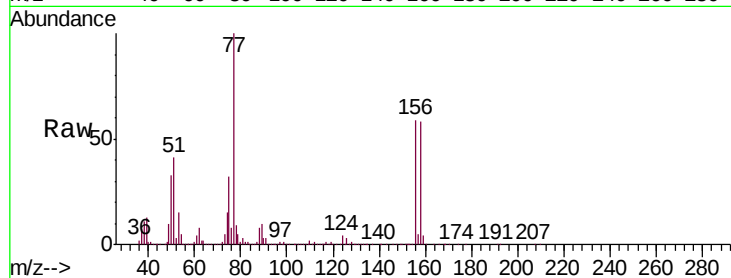
Tgt Ion:156 Resp: 763074

Ion Ratio Lower Upper

156 100

77 194.1 93.2 279.5

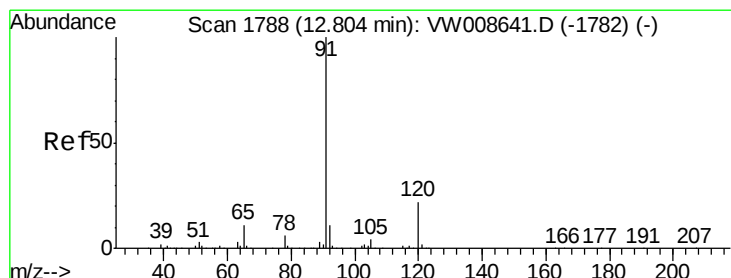
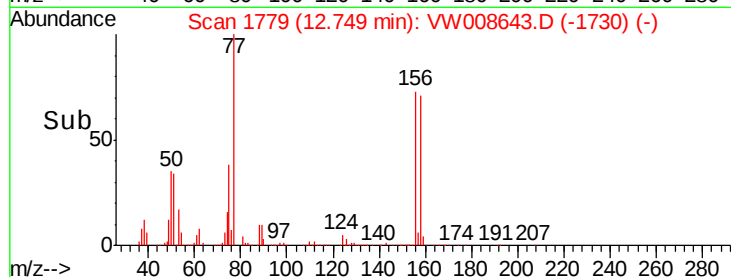
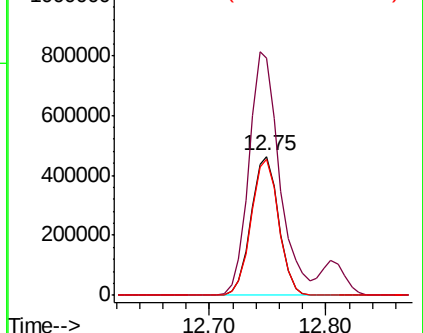
158 97.8 48.5 145.5



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: 145.327 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW008643.D

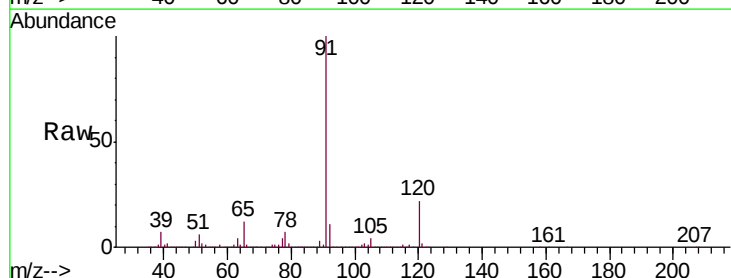
Acq: 13 Feb 2019 16:29

Tgt Ion: 91 Resp: 4131028

Ion Ratio Lower Upper

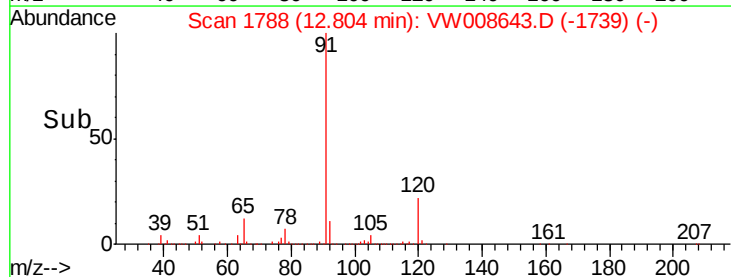
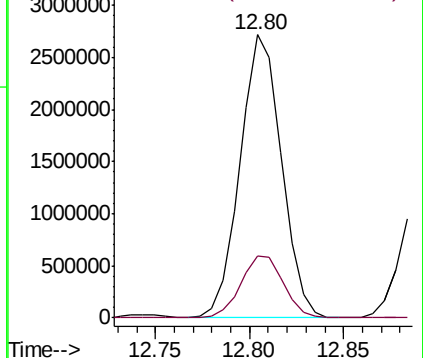
91 100

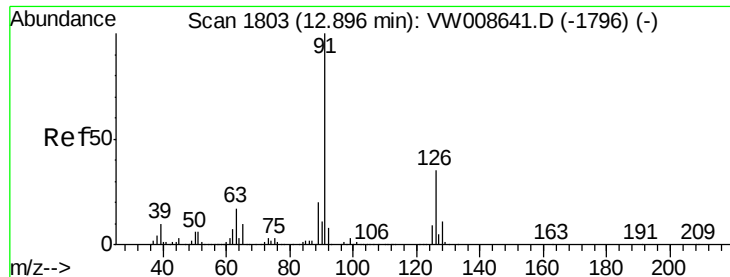
120 22.5 11.4 34.2



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 144.030 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VW008643.D

Acq: 13 Feb 2019 16:29

Instrument :

MSVOA_W

ClientSampleId :

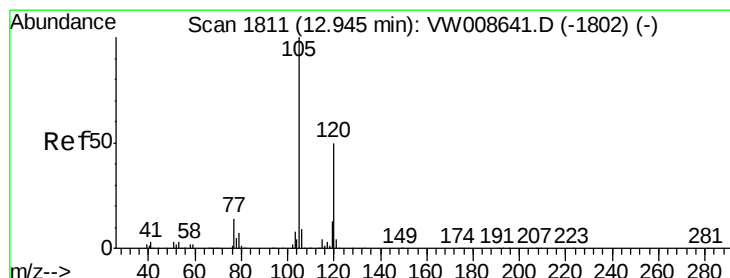
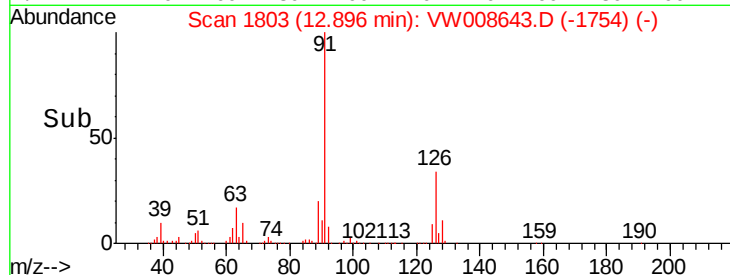
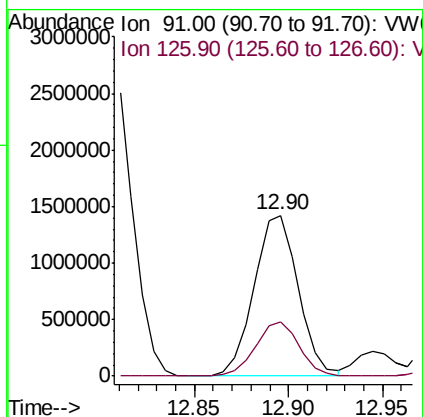
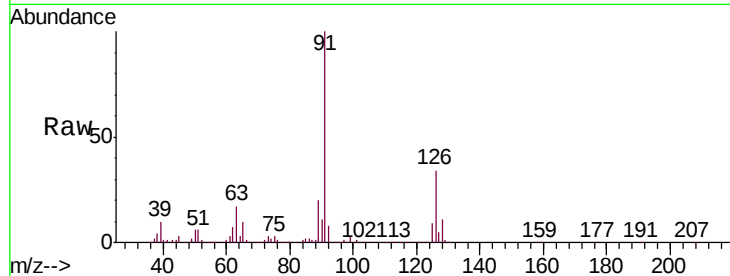
VSTDIC150

Tgt Ion: 91 Resp: 2313908

Ion Ratio Lower Upper

91 100

126 33.3 17.0 50.9



#80

1,3,5-Trimethylbenzene

Concen: 144.489 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW008643.D

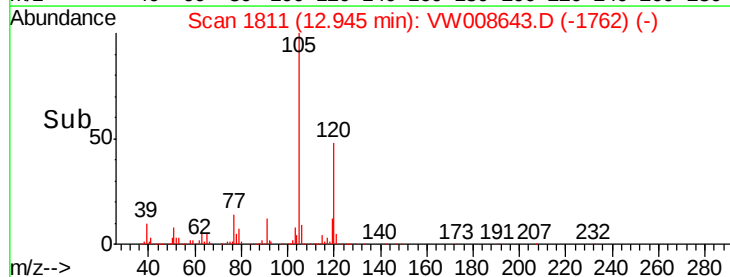
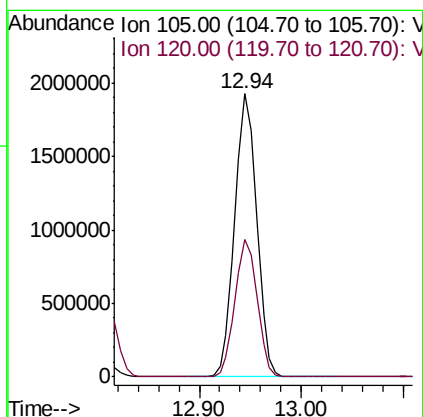
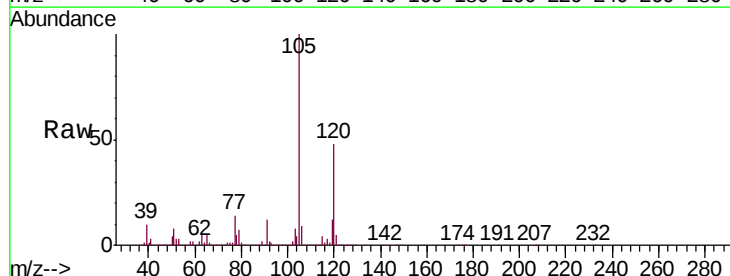
Acq: 13 Feb 2019 16:29

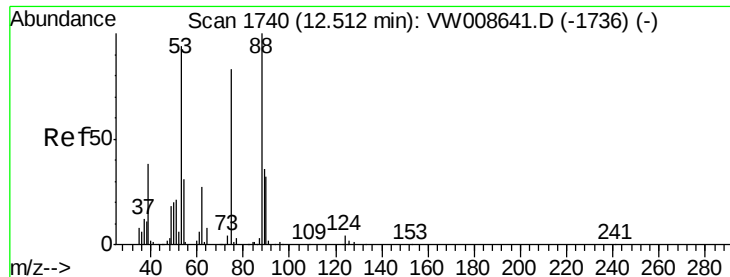
Tgt Ion: 105 Resp: 2871195

Ion Ratio Lower Upper

105 100

120 48.9 24.6 73.8





#81

trans-1,4-Dichloro-2-butene

Concen: 169.496 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW008643.D

Acq: 13 Feb 2019 16:29

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

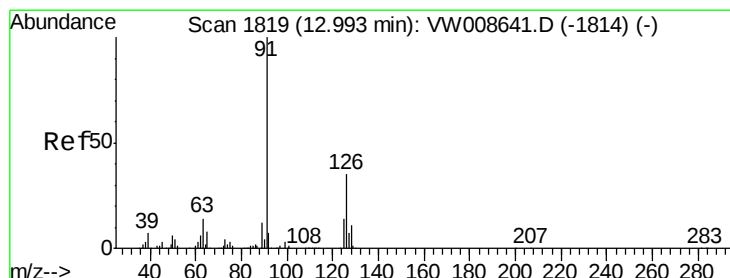
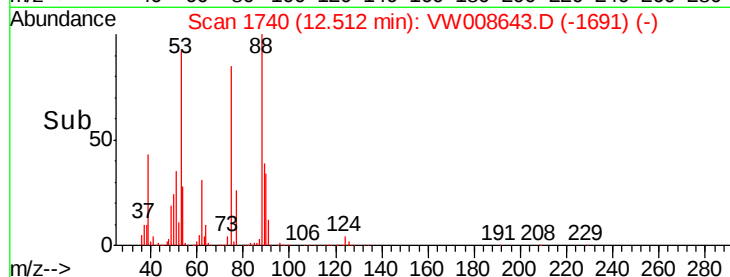
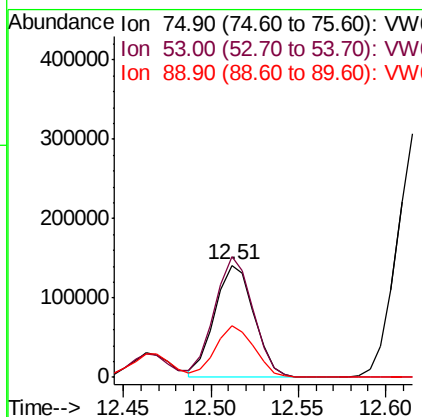
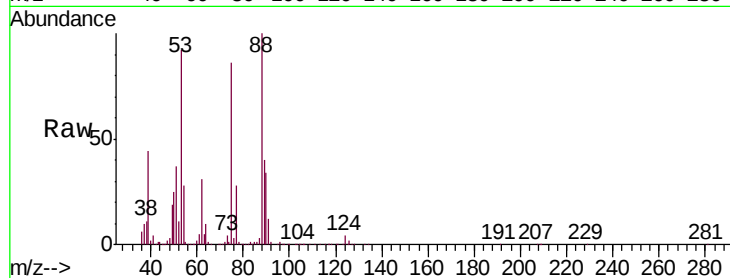
Tgt Ion: 75 Resp: 219910

Ion Ratio Lower Upper

75 100

53 107.9 87.4 131.0

89 45.9 37.0 55.4



#82

4-Chlorotoluene

Concen: 145.666 ug/l

RT: 12.99 min Scan# 1819

Delta R.T. 0.00 min

Lab File: VW008643.D

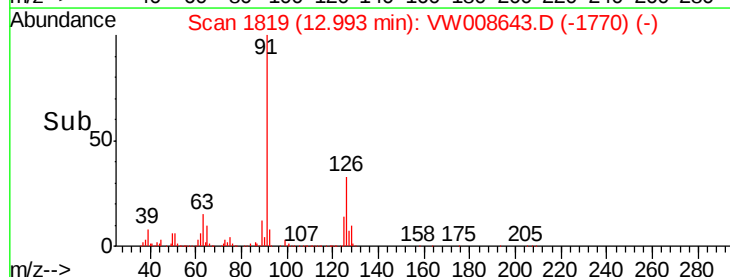
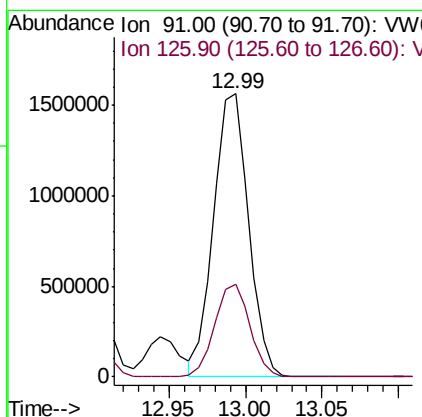
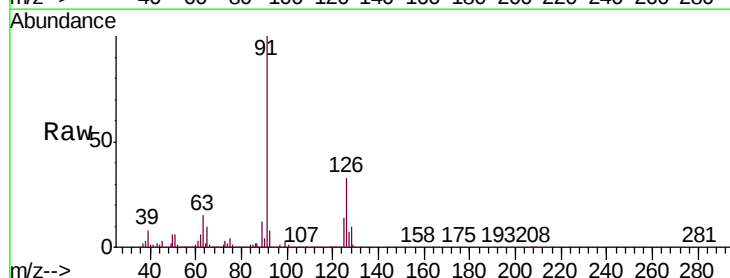
Acq: 13 Feb 2019 16:29

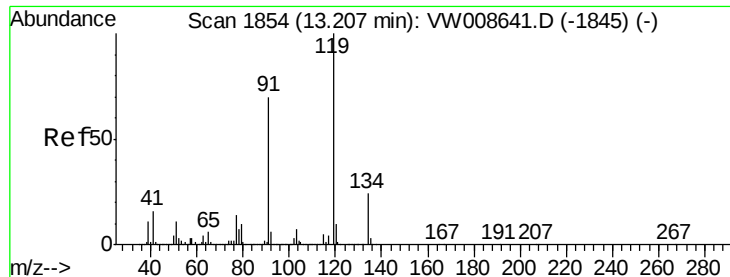
Tgt Ion: 91 Resp: 2480051

Ion Ratio Lower Upper

91 100

126 33.0 16.9 50.7





#83

tert-Butylbenzene

Concen: 143.234 ug/l

RT: 13.21 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VW008643.D

Acq: 13 Feb 2019 16:29

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

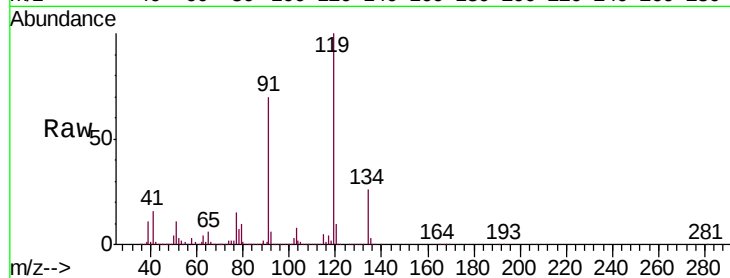
Tgt Ion:119 Resp: 2471457

Ion Ratio Lower Upper

119 100

91 69.9 34.0 102.0

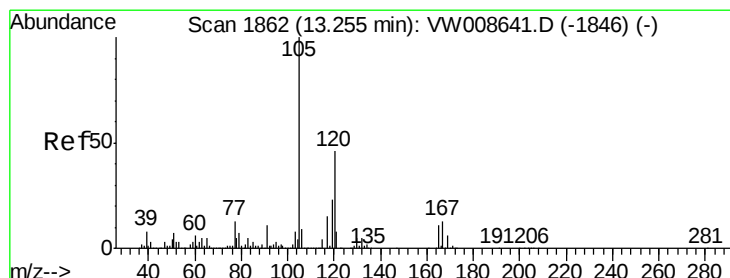
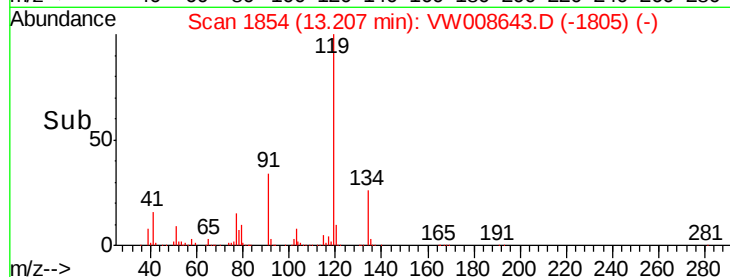
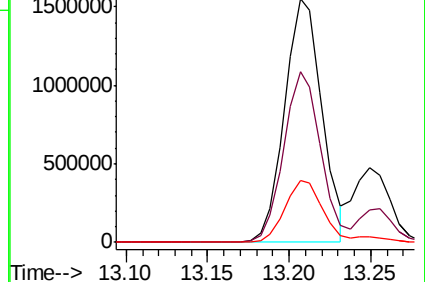
134 27.6 13.6 40.8



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VW

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 144.509 ug/l

RT: 13.26 min Scan# 1862

Delta R.T. 0.00 min

Lab File: VW008643.D

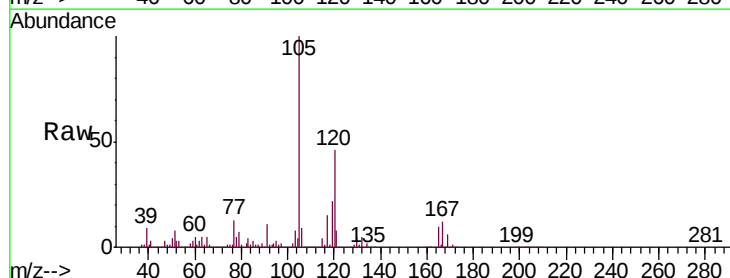
Acq: 13 Feb 2019 16:29

Tgt Ion:105 Resp: 2951440

Ion Ratio Lower Upper

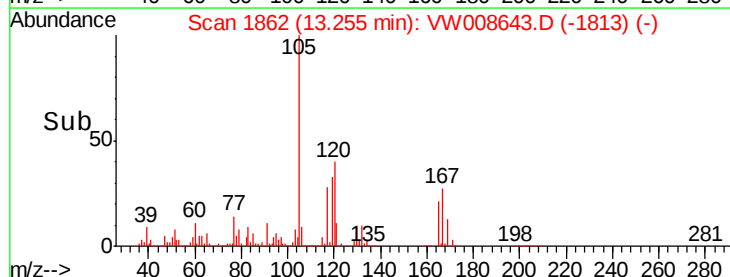
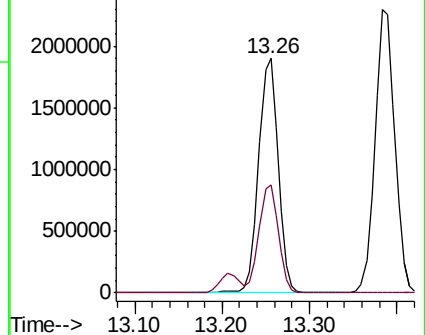
105 100

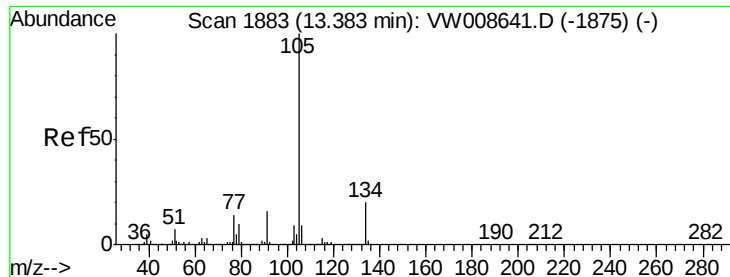
120 45.7 22.9 68.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

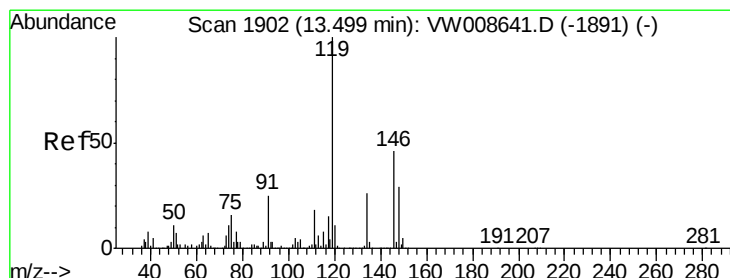
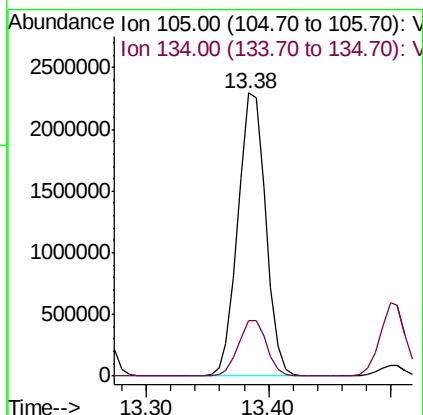
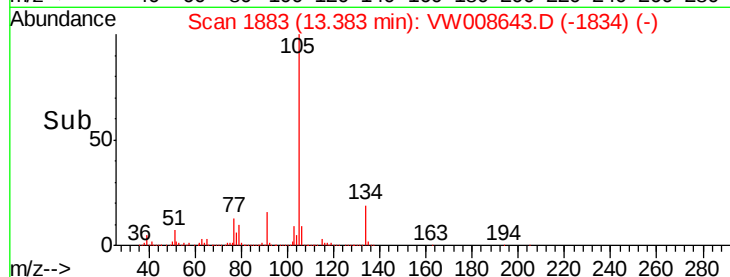
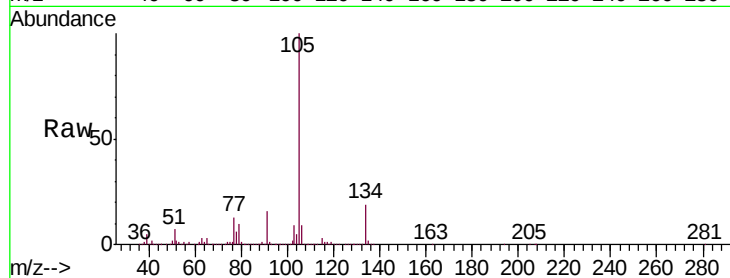




#85
 sec-Butylbenzene
 Concen: 143.127 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VW008643.D
 Acq: 13 Feb 2019 16:29

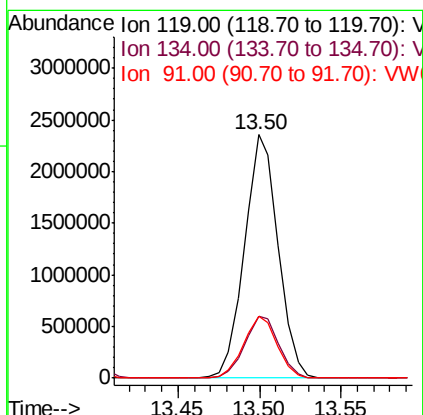
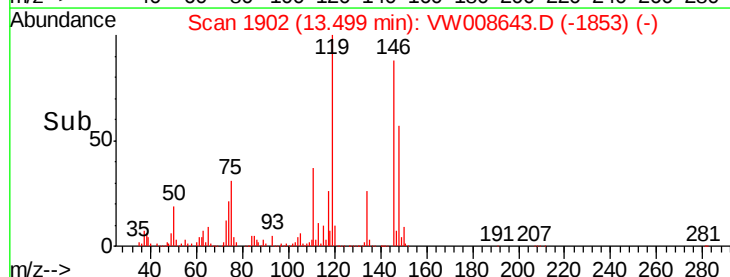
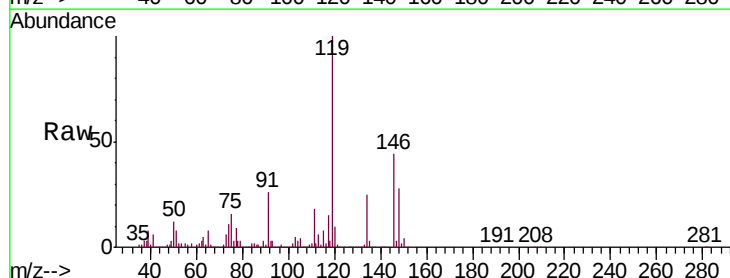
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

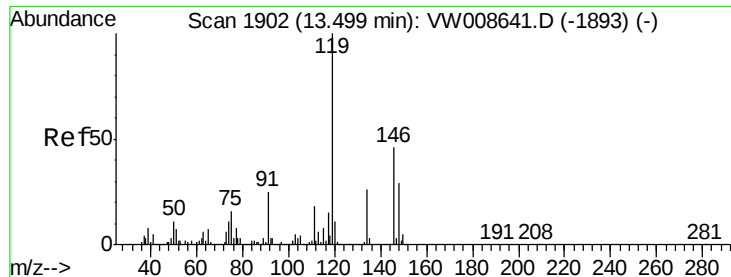
Tgt Ion:105 Resp: 3595905
 Ion Ratio Lower Upper
 105 100
 134 20.0 10.3 30.8



#86
 p-Isopropyltoluene
 Concen: 150.005 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW008643.D
 Acq: 13 Feb 2019 16:29

Tgt Ion:119 Resp: 3371511
 Ion Ratio Lower Upper
 119 100
 134 26.0 13.0 39.0
 91 25.4 12.3 36.9





#87

1,3-Dichlorobenzene

Concen: 143.311 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW008643.D

Acq: 13 Feb 2019 16:29

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

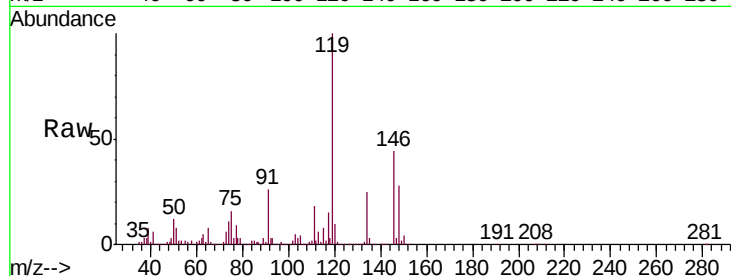
Tgt Ion:146 Resp: 1597673

Ion Ratio Lower Upper

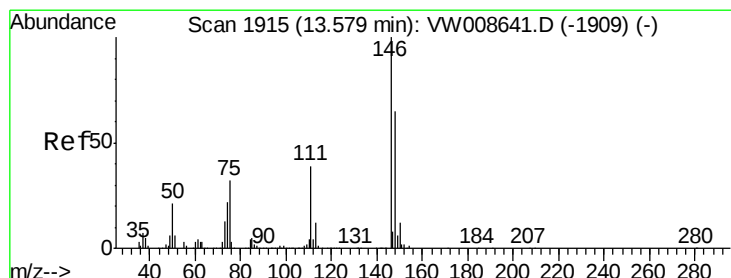
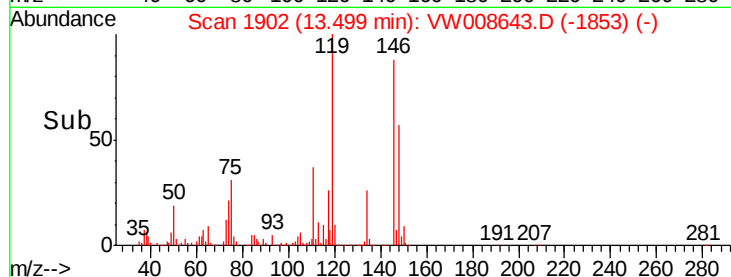
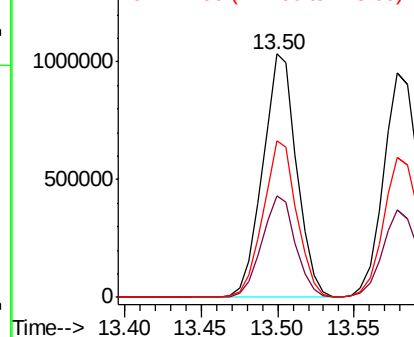
146 100

111 41.4 19.4 58.1

148 64.0 31.6 94.8



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



#88

1,4-Dichlorobenzene

Concen: 137.711 ug/l

RT: 13.58 min Scan# 1915

Delta R.T. 0.00 min

Lab File: VW008643.D

Acq: 13 Feb 2019 16:29

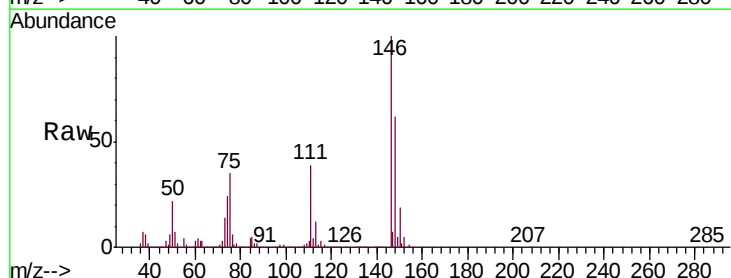
Tgt Ion:146 Resp: 1513039

Ion Ratio Lower Upper

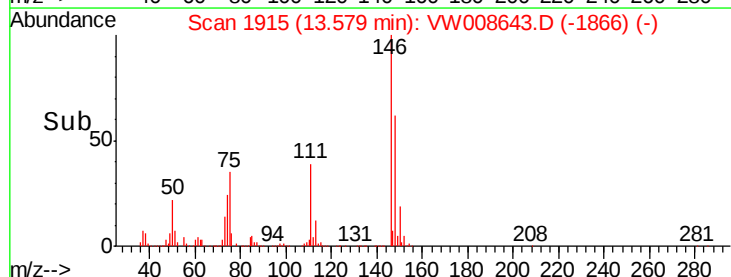
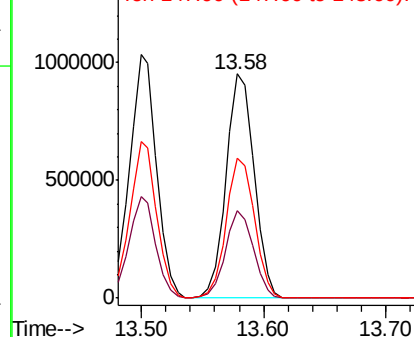
146 100

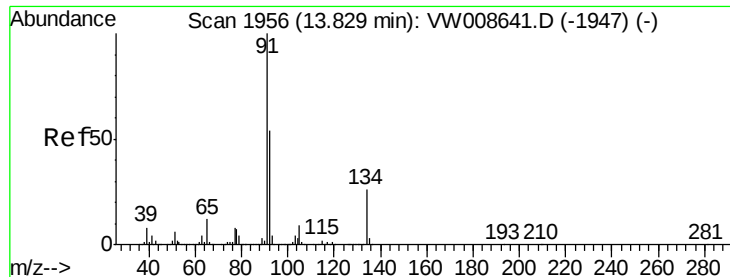
111 38.6 19.4 58.1

148 62.7 31.8 95.4



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





#89

n-Butylbenzene

Concen: 145.823 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VW008643.D

Acq: 13 Feb 2019 16:29

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

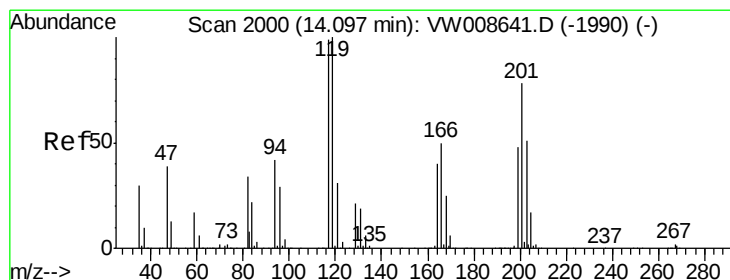
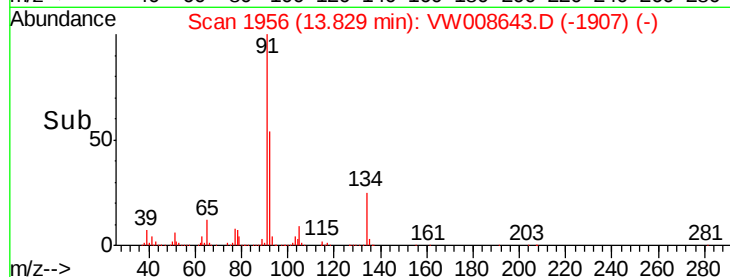
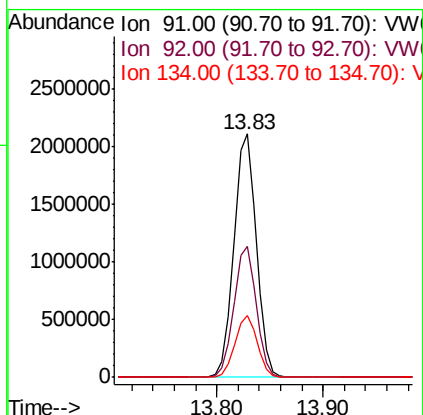
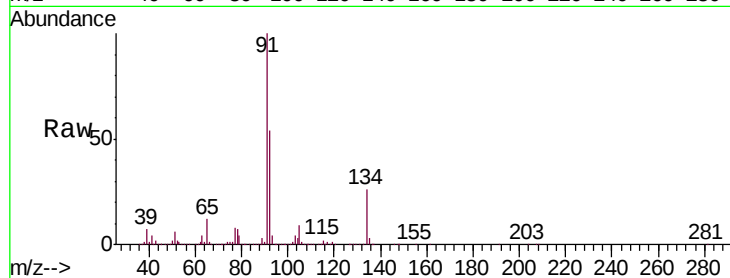
Tgt Ion: 91 Resp: 3114558

Ion Ratio Lower Upper

91 100

92 53.9 26.8 80.4

134 25.4 13.0 39.0



#90

Hexachloroethane

Concen: 148.368 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. 0.00 min

Lab File: VW008643.D

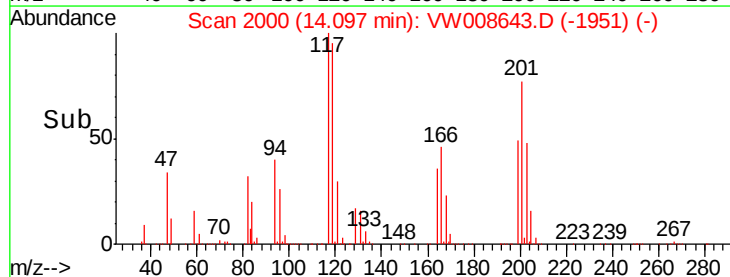
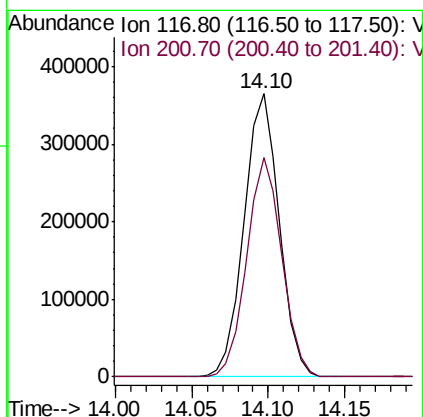
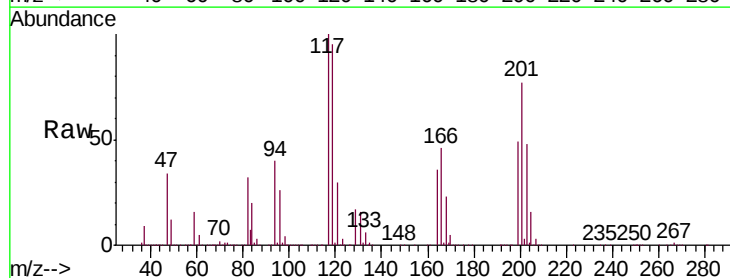
Acq: 13 Feb 2019 16:29

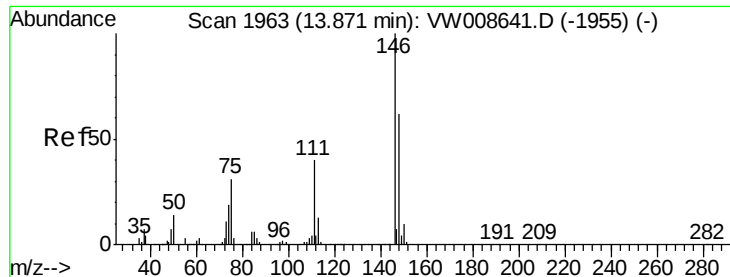
Tgt Ion: 117 Resp: 582603

Ion Ratio Lower Upper

117 100

201 77.2 38.7 116.1

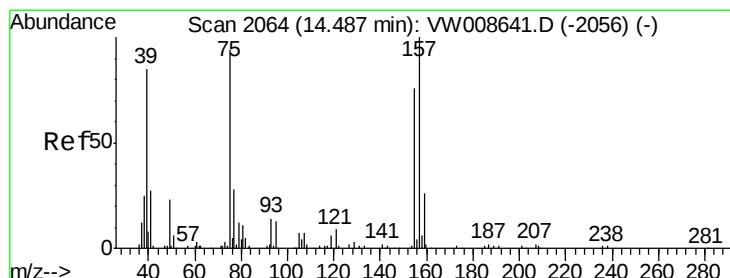
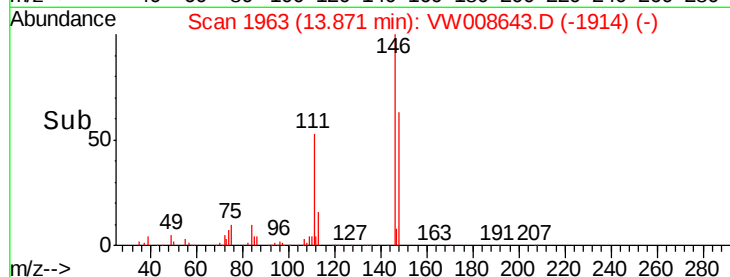
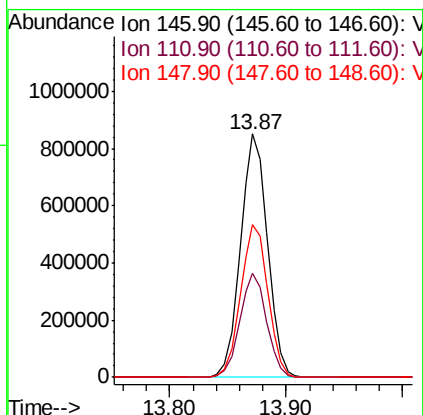
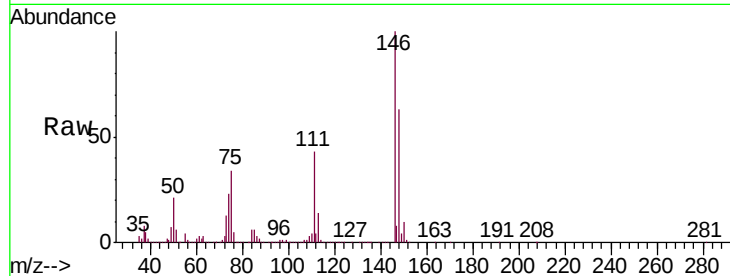




#91
 1,2-Dichlorobenzene
 Concen: 138.610 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW008643.D
 Acq: 13 Feb 2019 16:29

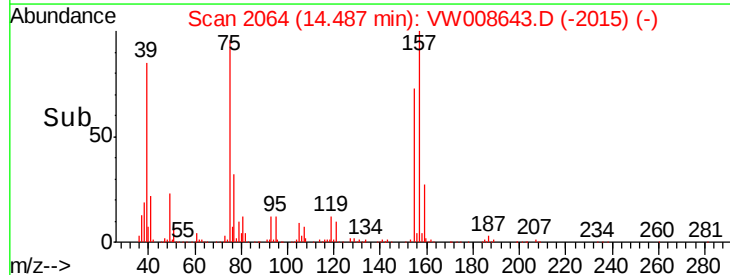
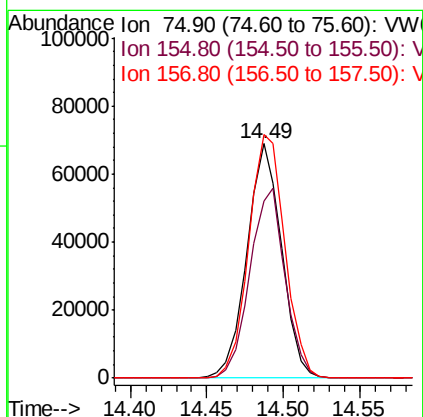
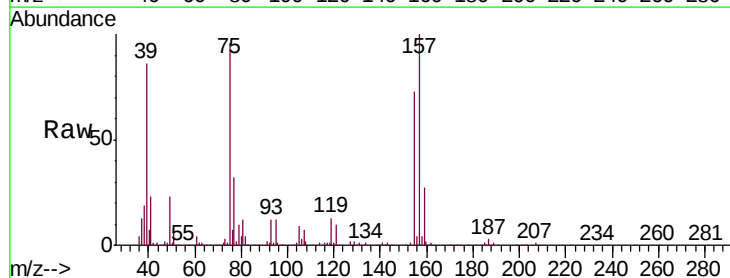
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

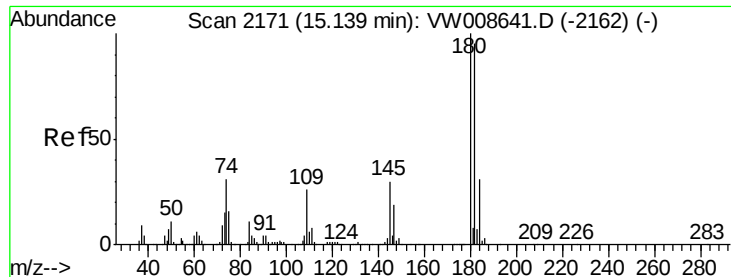
Tgt Ion:146 Resp: 1369068
 Ion Ratio Lower Upper
 146 100
 111 42.3 20.5 61.5
 148 63.6 31.6 94.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 149.170 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW008643.D
 Acq: 13 Feb 2019 16:29

Tgt Ion: 75 Resp: 107898
 Ion Ratio Lower Upper
 75 100
 155 82.8 41.8 125.4
 157 108.9 53.8 161.4

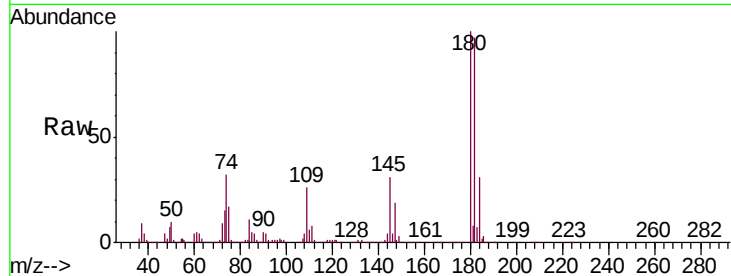




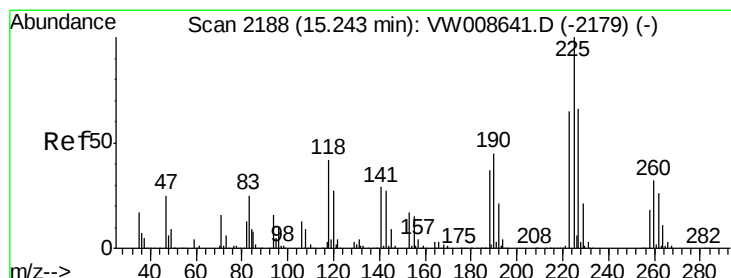
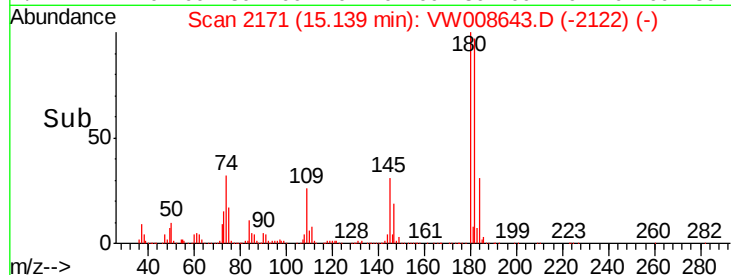
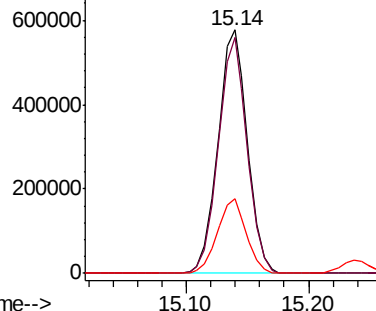
#93
 1,2,4-Trichlorobenzene
 Concen: 136.311 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW008643.D
 Acq: 13 Feb 2019 16:29

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.7	47.5	142.5
145	30.1	15.1	45.3

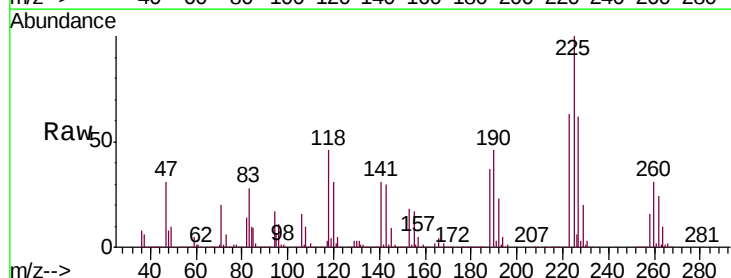


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

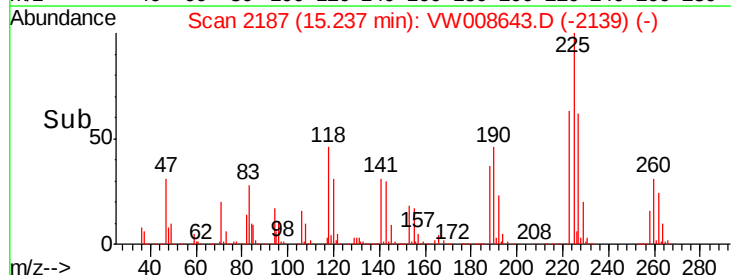
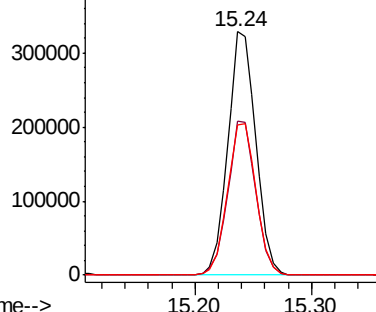


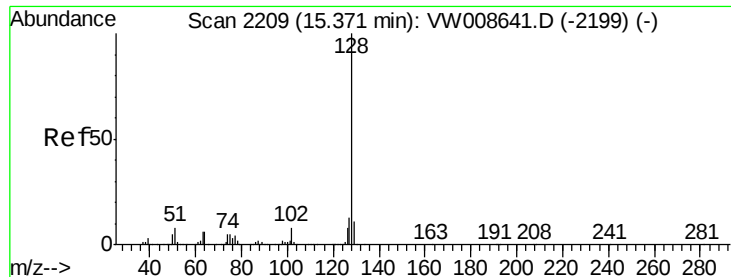
#94
 Hexachlorobutadiene
 Concen: 134.683 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.01 min
 Lab File: VW008643.D
 Acq: 13 Feb 2019 16:29

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.8	31.4	94.3
227	63.5	32.4	97.0



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

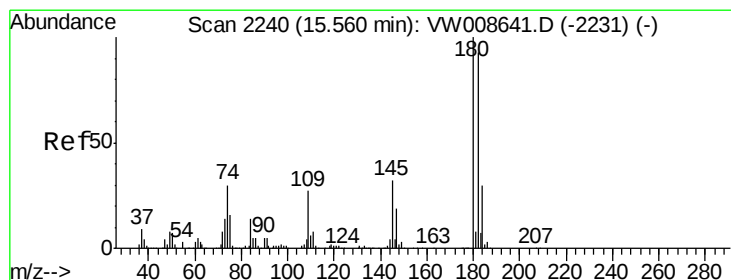
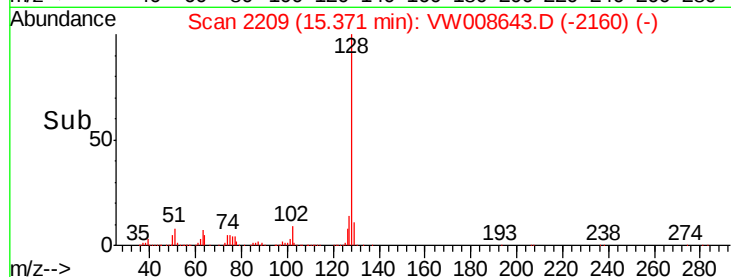
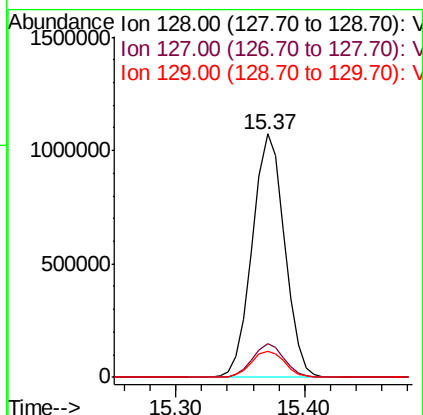
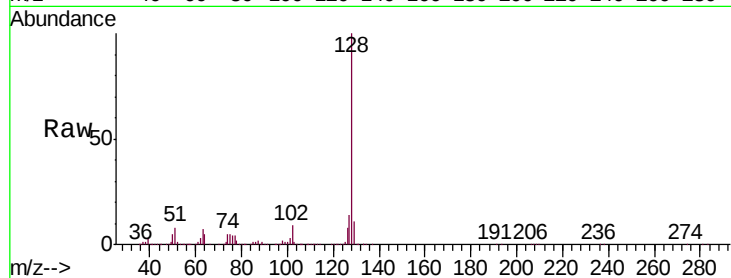




#95
Naphthalene
Concen: 147.032 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW008643.D
Acq: 13 Feb 2019 16:29

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Tgt Ion:128 Resp: 1852608
Ion Ratio Lower Upper
128 100
127 13.6 10.9 16.3
129 11.0 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 137.794 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VW008643.D
Acq: 13 Feb 2019 16:29

Tgt Ion:180 Resp: 831366
Ion Ratio Lower Upper
180 100
182 95.3 47.5 142.5
145 32.4 15.9 47.7

