

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW032919\
 Data File : VW009574.D
 Acq On : 29 Mar 2019 16:25
 Operator : SY/VA
 Sample : VW0329SBS01
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0329SBS01

Quant Time: Mar 29 16:54:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W032919S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 29 13:17:27 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	275544	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	424887	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	393141	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	218518	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	168936	53.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.22%	
35) Dibromofluoromethane	7.88	113	142534	53.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.82%	
50) Toluene-d8	10.32	98	535454	54.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.58%	
62) 4-Bromofluorobenzene	12.62	95	196525	53.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.82%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.01	85	44167	24.891	ug/l	99
3) Chloromethane	2.21	50	51757	22.297	ug/l	98
4) Vinyl Chloride	2.37	62	69045	22.272	ug/l	99
5) Bromomethane	2.77	94	54796	22.910	ug/l	93
6) Chloroethane	2.92	64	50452	21.975	ug/l	98
7) Trichlorofluoromethane	3.25	101	44734	21.119	ug/l	90
8) Diethyl Ether	3.67	74	32976	23.185	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.05	101	63717	22.420	ug/l	98
10) Methyl Iodide	4.26	142	85918	22.156	ug/l	97
11) Tert butyl alcohol	5.17	59	21370	116.972	ug/l	97
12) 1,1-Dichloroethene	4.03	96	59278	22.288	ug/l	97
13) Acrolein	3.89	56	13584	101.375	ug/l	93
14) Allyl chloride	4.65	41	86616	20.362	ug/l	96
15) Acrylonitrile	5.36	53	69017	106.160	ug/l	96
16) Acetone	4.12	43	84613	119.435	ug/l	97
17) Carbon Disulfide	4.37	76	167045	22.074	ug/l	98
18) Methyl Acetate	4.67	43	34371	20.071	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	80833	21.853	ug/l	94
20) Methylene Chloride	4.92	84	77596	26.062	ug/l	92
21) trans-1,2-Dichloroethene	5.41	96	62702	22.205	ug/l	94
22) Diisopropyl ether	6.31	45	203338	22.134	ug/l	98
23) Vinyl Acetate	6.25	43	653198	113.974	ug/l	99
24) 1,1-Dichloroethane	6.21	63	121600	21.992	ug/l	97
25) 2-Butanone	7.17	43	111342	113.732	ug/l	100
26) 2,2-Dichloropropane	7.16	77	70230	22.215	ug/l	98
27) cis-1,2-Dichloroethene	7.16	96	69755	22.619	ug/l	96
28) Bromochloromethane	7.51	49	52309	21.832	ug/l	96
29) Tetrahydrofuran	7.52	42	69836	114.883	ug/l	99
30) Chloroform	7.67	83	128100	22.368	ug/l	98
31) Cyclohexane	7.95	56	111385	21.487	ug/l	94
32) 1,1,1-Trichloroethane	7.87	97	100670	21.714	ug/l	98
36) 1,1-Dichloropropene	8.08	75	99392	22.616	ug/l	99
37) Ethyl Acetate	7.24	43	50613	24.241	ug/l	100
38) Carbon Tetrachloride	8.06	117	99754	22.152	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	109204	21.754	ug/l	95
40) Benzene	8.32	78	266899	22.422	ug/l	96
41) Methacrylonitrile	7.48	41	28181	23.022	ug/l	92
42) 1,2-Dichloroethane	8.40	62	90932	22.407	ug/l	100
43) Isopropyl Acetate	8.42	43	92151	22.520	ug/l	99
44) Trichloroethene	9.09	130	68469	22.218	ug/l	95
45) 1,2-Dichloropropane	9.37	63	67186	22.051	ug/l	99
46) Dibromomethane	9.46	93	38997	23.626	ug/l	94
47) Bromodichloromethane	9.64	83	93714	22.258	ug/l	95
48) Methyl methacrylate	9.43	41	42761	22.293	ug/l	99
49) 1,4-Dioxane	9.45	88	11271	458.537	ug/l	96
51) 4-Methyl-2-Pentanone	10.21	43	249628	114.022	ug/l	100
52) Toluene	10.38	92	169759	22.772	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	89692	21.756	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	103887	22.727	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	50283	22.538	ug/l	94
56) Ethyl methacrylate	10.65	69	61254	22.115	ug/l	96
57) 1,3-Dichloropropane	10.93	76	89480	22.626	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	152473	112.452	ug/l	99
59) 2-Hexanone	10.97	43	179922	118.749	ug/l	97
60) Dibromochloromethane	11.13	129	60692	22.529	ug/l	100
61) 1,2-Dibromoethane	11.23	107	47739	22.313	ug/l	100
64) Tetrachloroethene	10.86	164	58182	21.797	ug/l	91
65) Chlorobenzene	11.66	112	183493	22.161	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	66855	22.160	ug/l	98
67) Ethyl Benzene	11.73	91	326740	22.398	ug/l	99
68) m/p-Xylenes	11.84	106	249738	45.086	ug/l	98
69) o-Xylene	12.16	106	114471	22.191	ug/l	99
70) Styrene	12.18	104	194633	22.589	ug/l	100
71) Bromoform	12.35	173	36959	22.764	ug/l #	98
73) Isopropylbenzene	12.46	105	330376	21.725	ug/l	99
74) N-amyl acetate	12.27	43	90157	22.489	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	65153	22.655	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	87069	22.492	ug/l #	100
77) Bromobenzene	12.75	156	75703	21.617	ug/l	97
78) n-propylbenzene	12.80	91	416154	22.192	ug/l	100
79) 2-Chlorotoluene	12.89	91	233754	21.935	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	283944	22.171	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	18405	20.828	ug/l	90
82) 4-Chlorotoluene	12.99	91	247106	22.033	ug/l	99
83) tert-Butylbenzene	13.21	119	240726	22.081	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	293250	22.274	ug/l	99
85) sec-Butylbenzene	13.38	105	361429	21.975	ug/l	99
86) p-Isopropyltoluene	13.50	119	318385	22.256	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	158511	21.922	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	156630	21.687	ug/l	98
89) n-Butylbenzene	13.83	91	314065	22.242	ug/l	99
90) Hexachloroethane	14.10	117	59929	21.876	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	146743	22.695	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	12301	23.430	ug/l	94

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QLast Update : Fri Mar 29 13:17:27 2019
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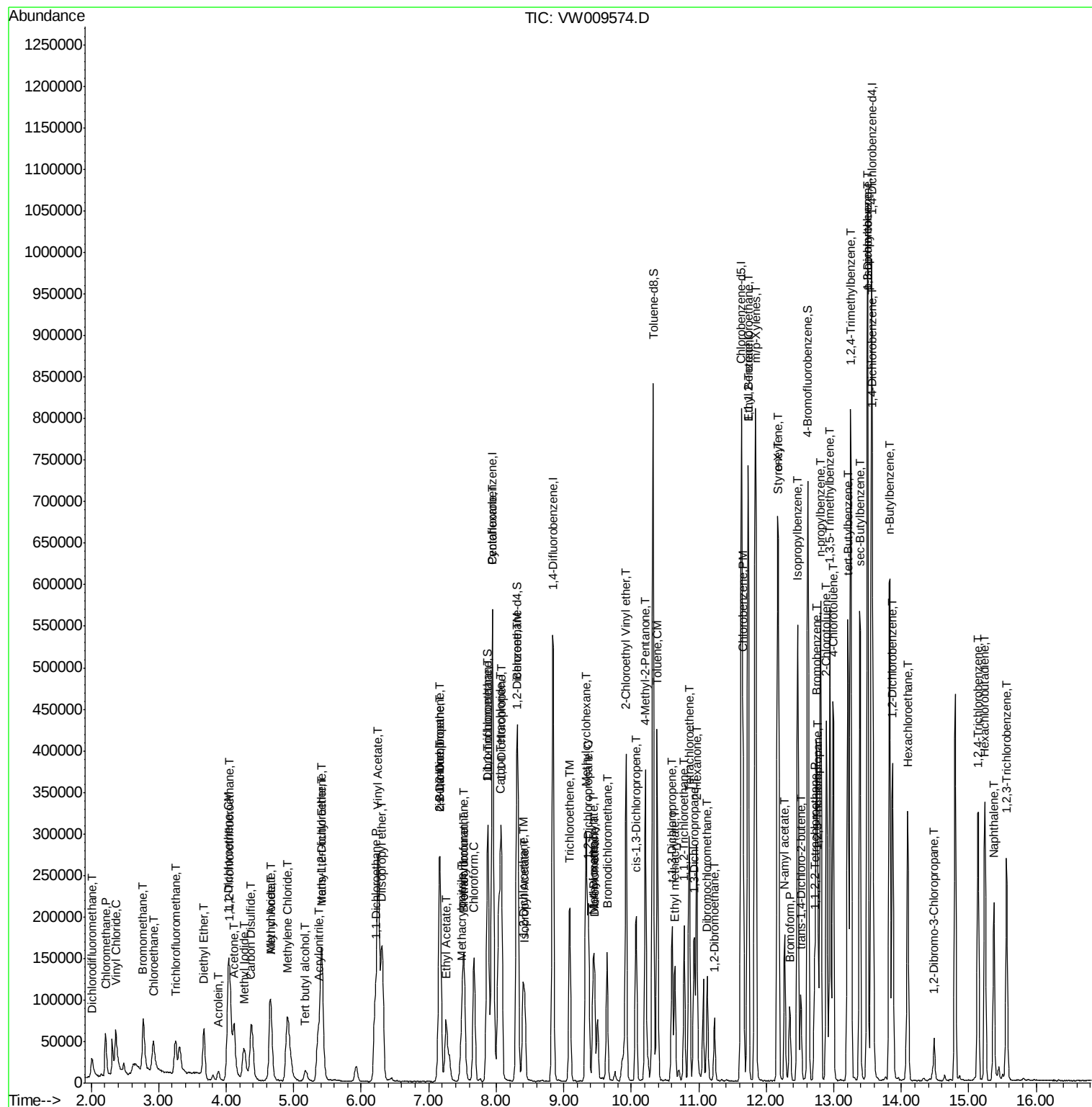
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	97410	23.393	ug/l	99
94) Hexachlorobutadiene	15.24	225	61167	22.873	ug/l	99
95) Naphthalene	15.37	128	170815	21.807	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	85694	23.034	ug/l	100

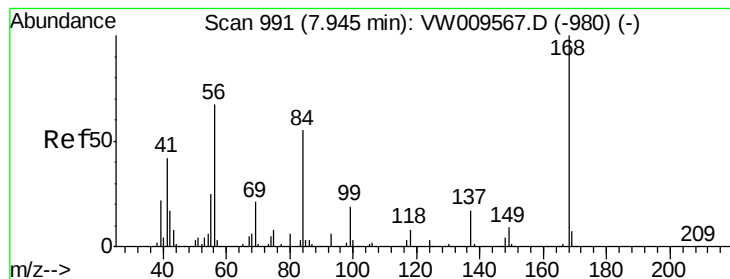
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW009574.D

Acq: 29 Mar 2019 16:25

Instrument :

MSVOA_W

ClientSampleId :

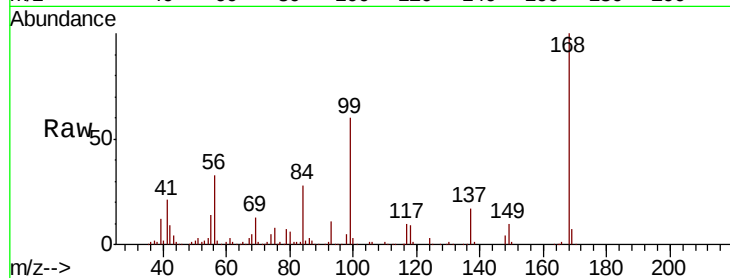
VW0329SBS01

Tgt Ion:168 Resp: 275544

Ion Ratio Lower Upper

168 100

99 59.8 45.4 68.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

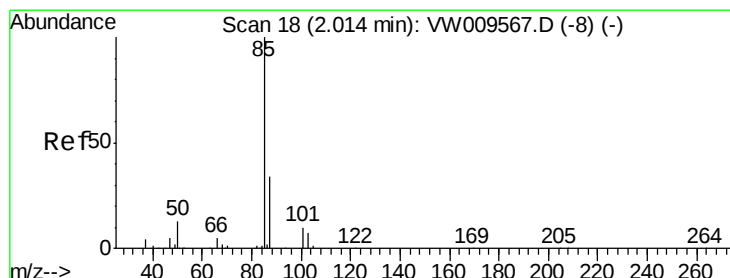
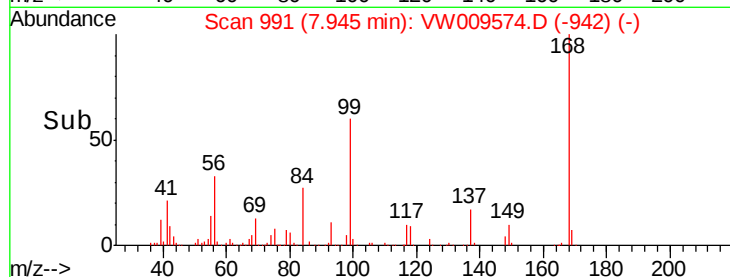
7.95

100000

50000

0

Time--> 7.80 7.90 8.00



#2

Dichlorodifluoromethane

Concen: 24.891 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW009574.D

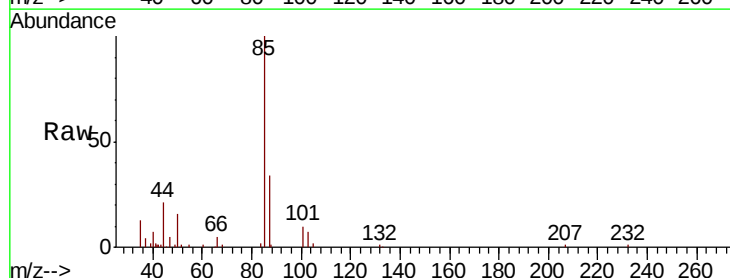
Acq: 29 Mar 2019 16:25

Tgt Ion: 85 Resp: 44167

Ion Ratio Lower Upper

85 100

87 33.8 16.7 50.1



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

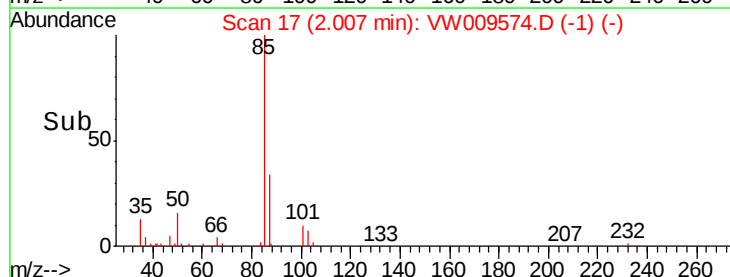
15000

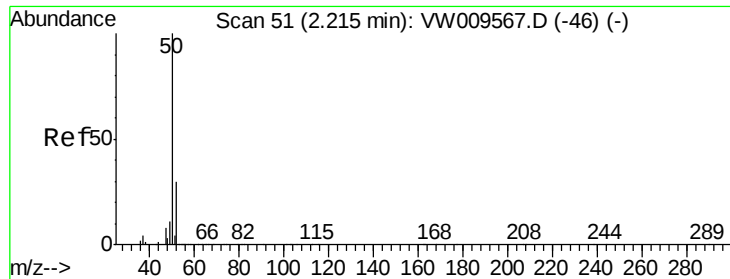
10000

5000

0

Time--> 1.90 2.00 2.10 2.20





#3

Chloromethane

Concen: 22.297 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW009574.D

Acq: 29 Mar 2019 16:25

Instrument :

MSVOA_W

ClientSampleId :

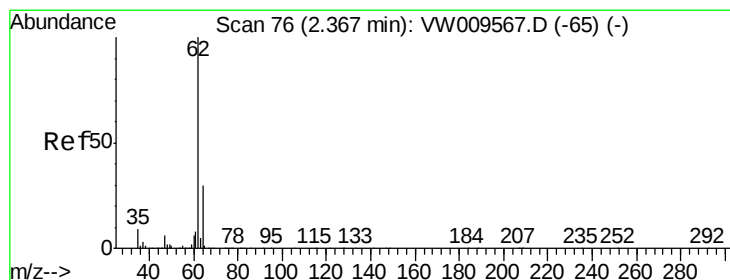
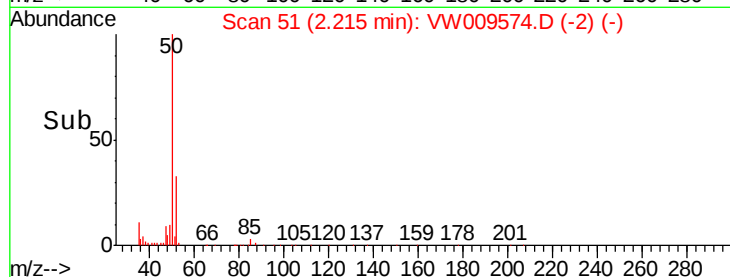
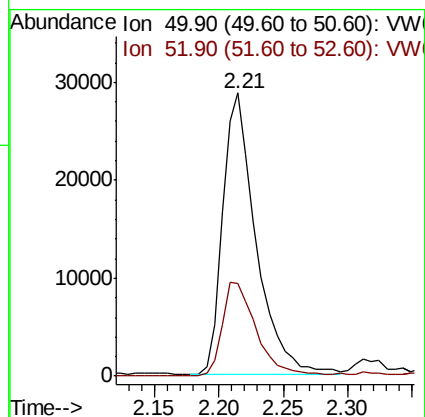
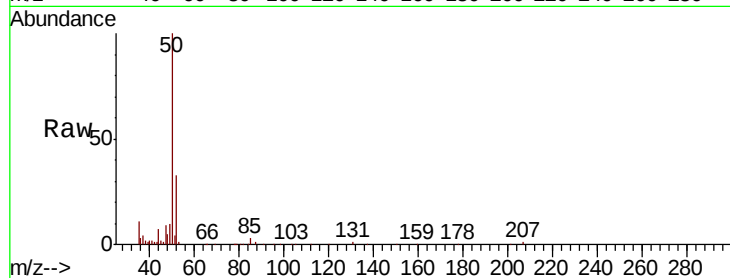
VW0329SBS01

Tgt Ion: 50 Resp: 51757

Ion Ratio Lower Upper

50 100

52 33.0 27.2 40.8



#4

Vinyl Chloride

Concen: 22.272 ug/l

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW009574.D

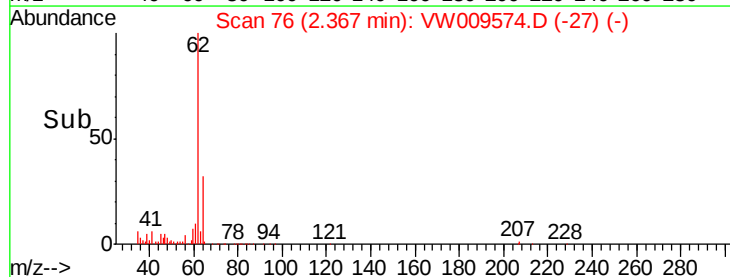
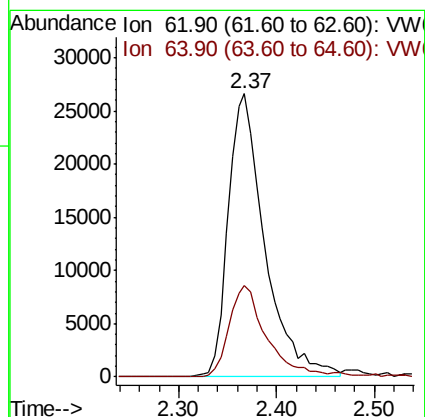
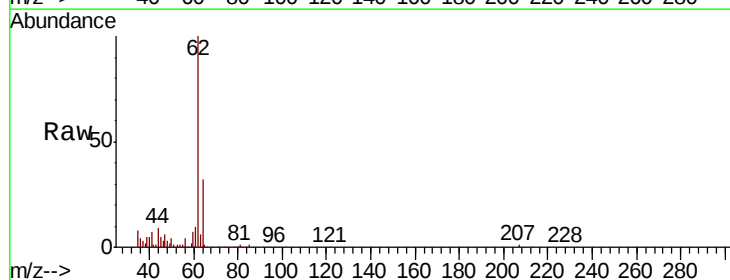
Acq: 29 Mar 2019 16:25

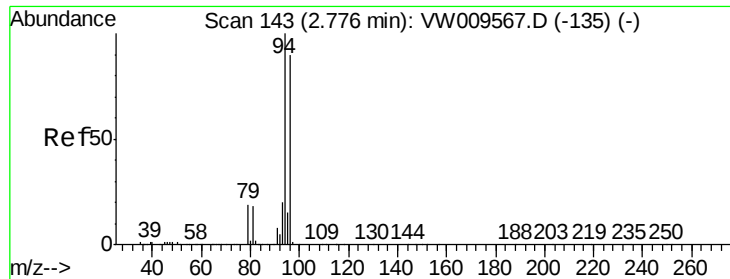
Tgt Ion: 62 Resp: 69045

Ion Ratio Lower Upper

62 100

64 32.3 26.2 39.2





#5

Bromomethane

Concen: 22.910 ug/l

RT: 2.77 min Scan# 142

Delta R.T. -0.01 min

Lab File: VW009574.D

Acq: 29 Mar 2019 16:25

Instrument :

MSVOA_W

ClientSampleId :

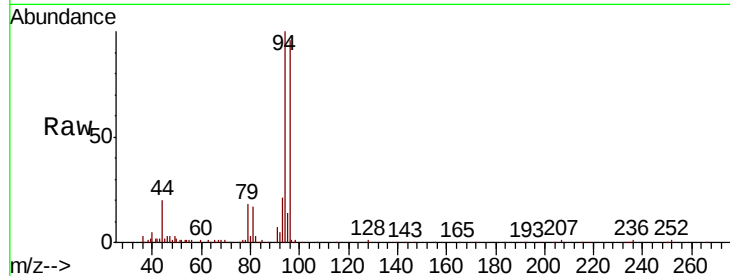
VW0329SBS01

Tgt Ion: 94 Resp: 54796

Ion Ratio Lower Upper

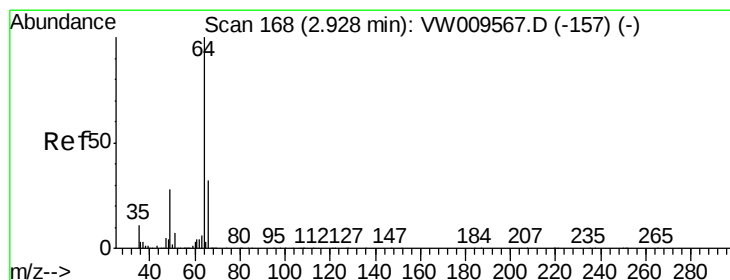
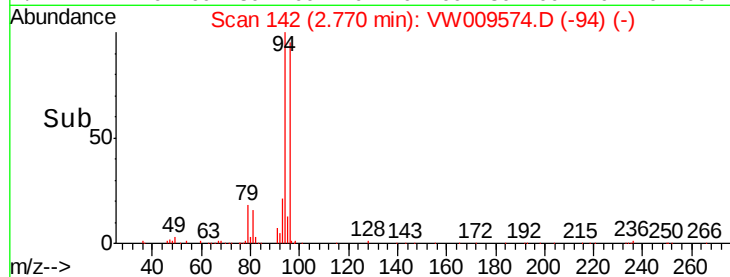
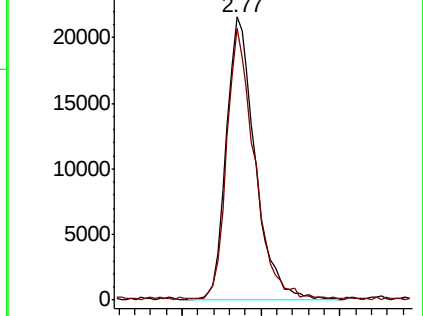
94 100

96 95.4 71.4 107.2



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



#6

Chloroethane

Concen: 21.975 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.01 min

Lab File: VW009574.D

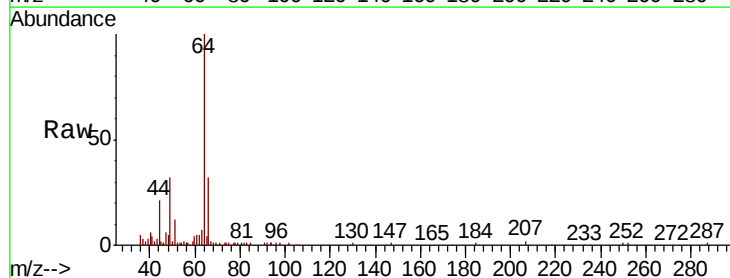
Acq: 29 Mar 2019 16:25

Tgt Ion: 64 Resp: 50452

Ion Ratio Lower Upper

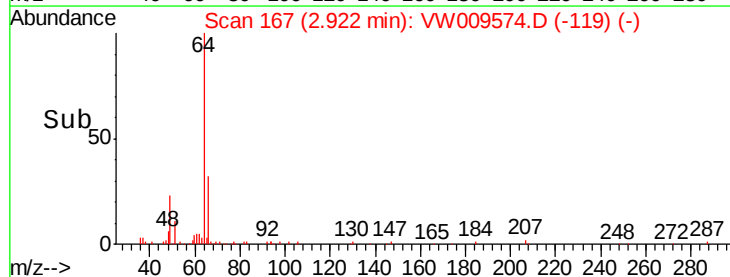
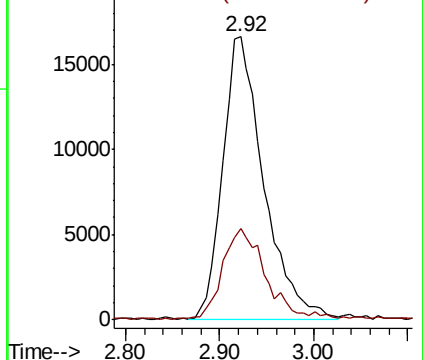
64 100

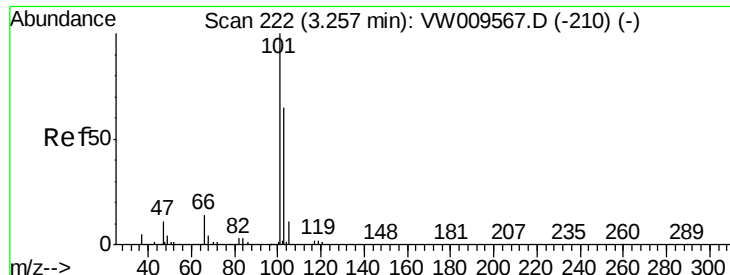
66 31.8 26.2 39.2



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW



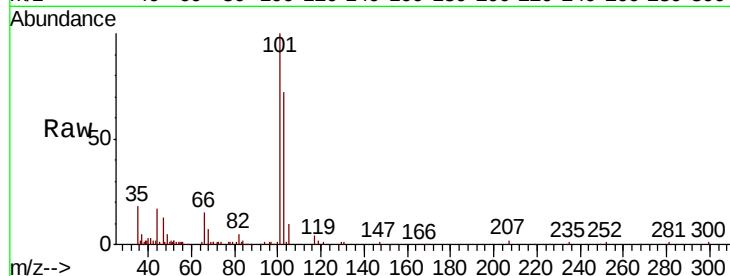


#7

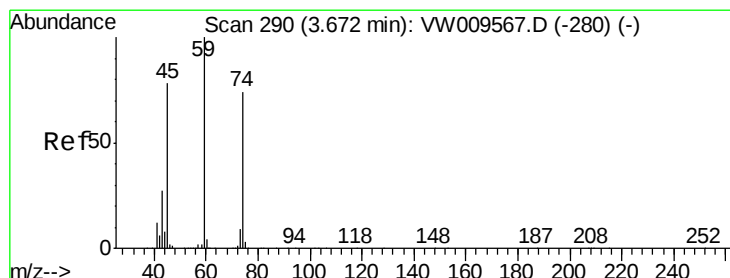
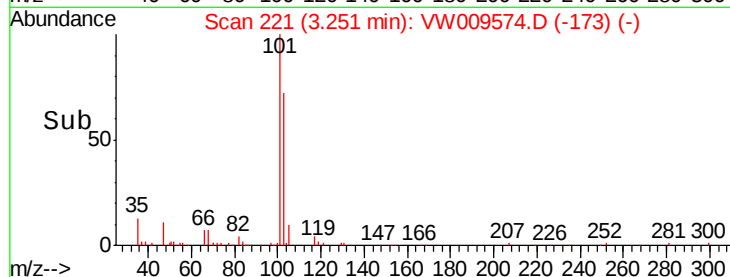
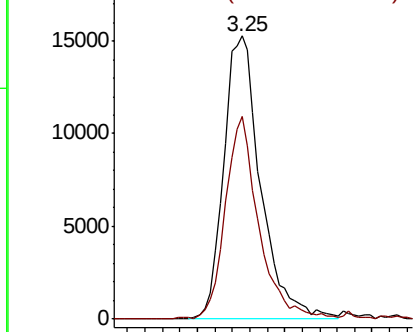
Trichlorofluoromethane
Concen: 21.119 ug/l
RT: 3.25 min Scan# 221
Delta R.T. -0.01 min
Lab File: VW009574.D
Acq: 29 Mar 2019 16:25

Instrument :
MSVOA_W
ClientSampleId :
VW0329SBS01

Tgt Ion:101 Resp: 44734
Ion Ratio Lower Upper
101 100
103 70.9 50.5 75.7



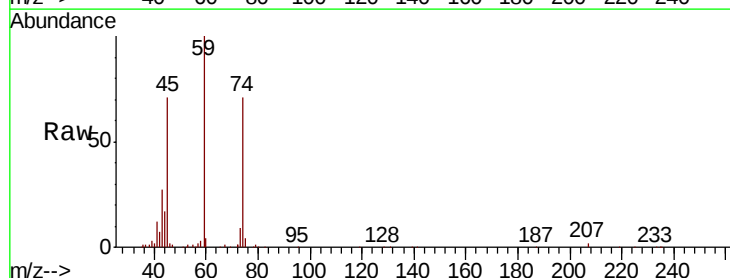
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



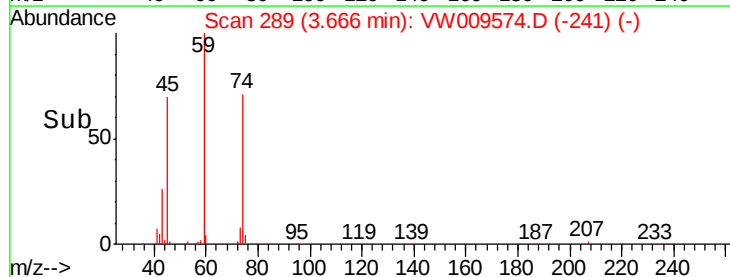
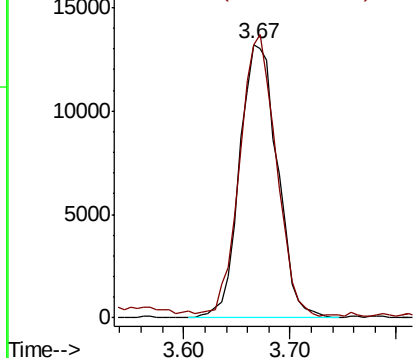
#8

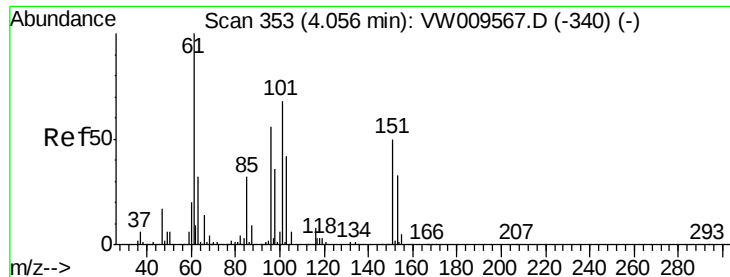
Diethyl Ether
Concen: 23.185 ug/l
RT: 3.67 min Scan# 289
Delta R.T. -0.01 min
Lab File: VW009574.D
Acq: 29 Mar 2019 16:25

Tgt Ion: 74 Resp: 32976
Ion Ratio Lower Upper
74 100
45 99.2 50.6 151.9



Abundance Ion 74.00 (73.70 to 74.70): VW
Ion 45.00 (44.70 to 45.70): VW





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.420 ug/l

RT: 4.05 min Scan# 352

Delta R.T. -0.01 min

Lab File: VW009574.D

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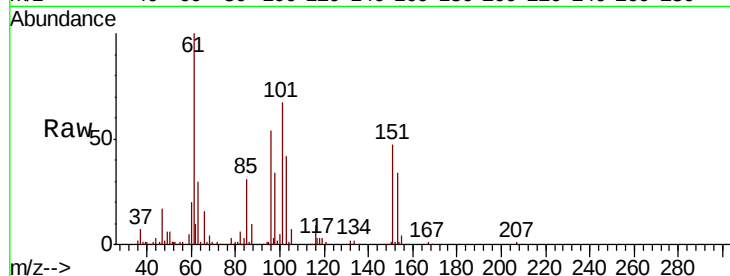
Tgt Ion:101 Resp: 63717

Ion Ratio Lower Upper

101 100

85 46.6 35.1 52.7

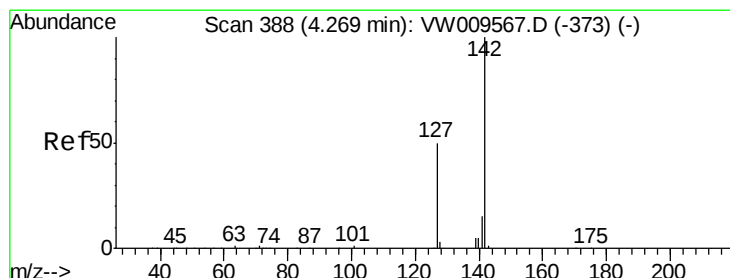
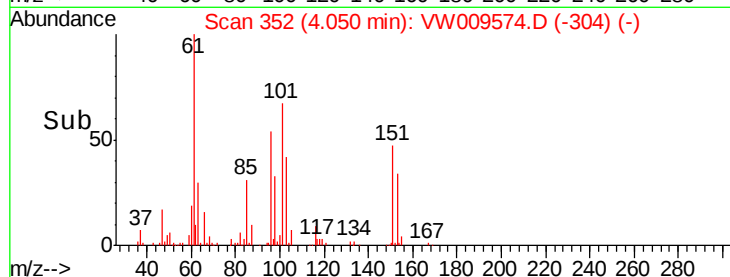
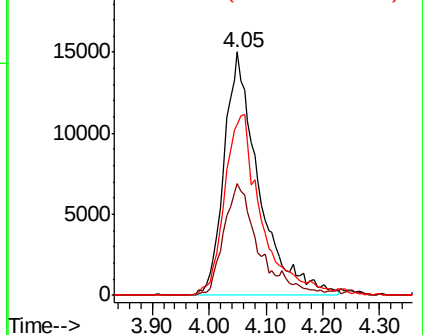
151 78.4 62.9 94.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 22.156 ug/l

RT: 4.26 min Scan# 387

Delta R.T. -0.01 min

Lab File: VW009574.D

Acq: 29 Mar 2019 16:25

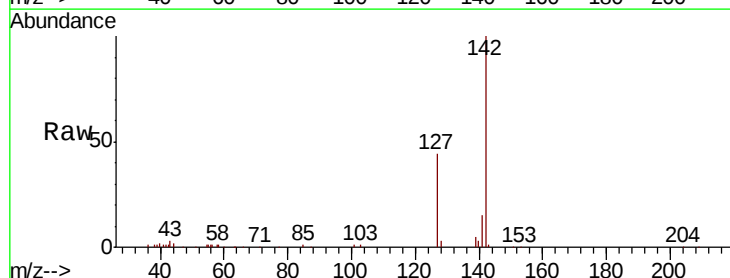
Tgt Ion:142 Resp: 85918

Ion Ratio Lower Upper

142 100

127 47.2 35.9 53.9

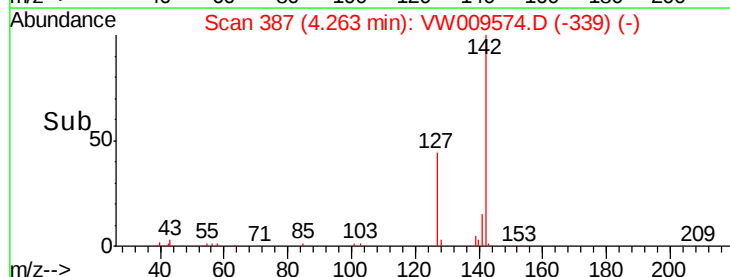
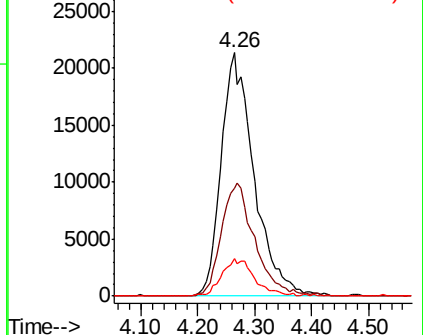
141 15.3 11.4 17.2

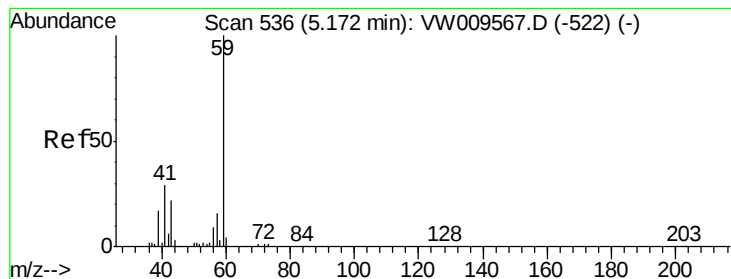


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



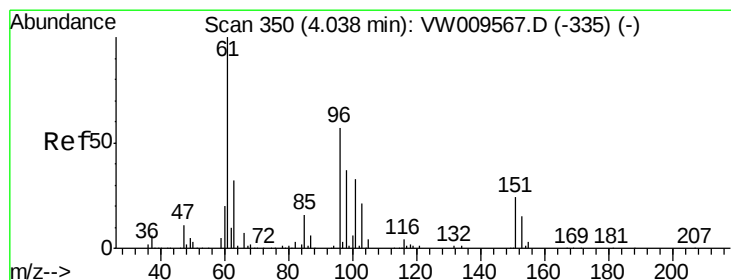
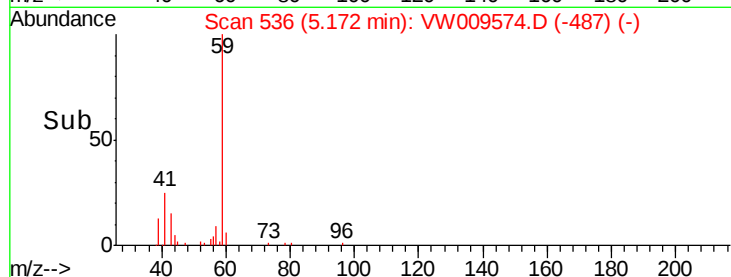
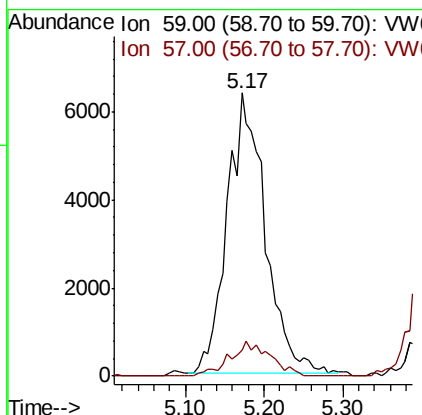
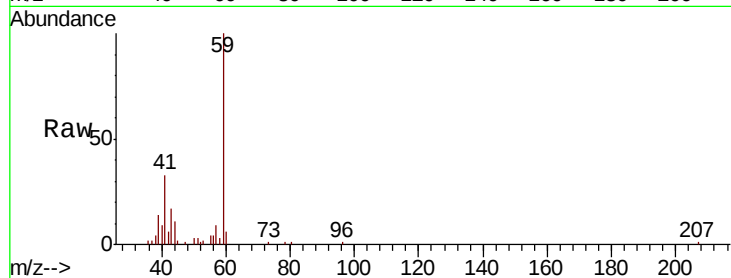


#11

Tert butyl alcohol
 Concen: 116.972 ug/l
 RT: 5.17 min Scan# 536
 Delta R.T. 0.00 min
 Lab File: VW009574.D
 Acq: 29 Mar 2019 16:25

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0329SBS01

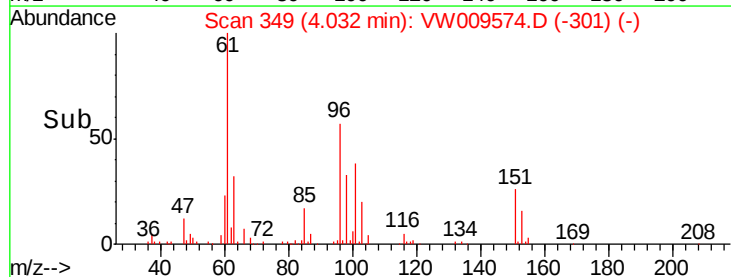
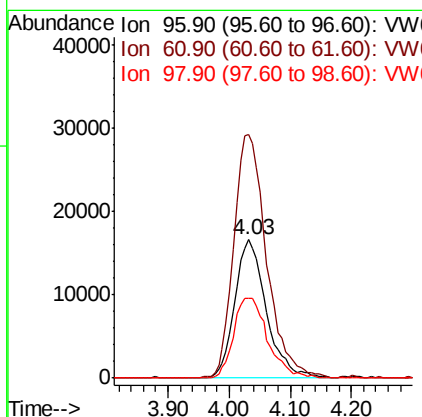
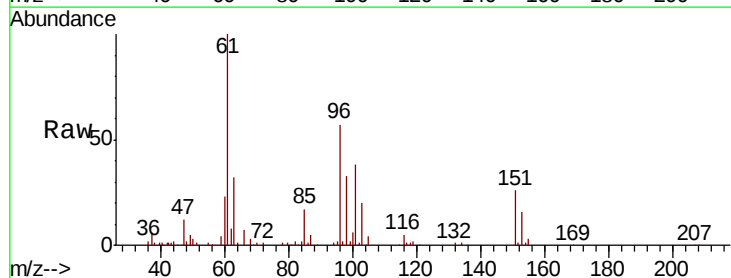
Tgt Ion: 59 Resp: 21370
 Ion Ratio Lower Upper
 59 100
 57 13.0 9.4 14.0

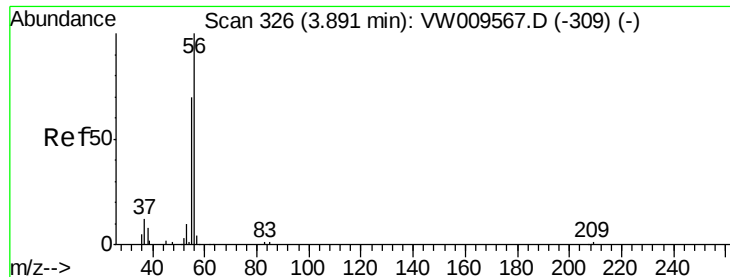


#12

1,1-Dichloroethene
 Concen: 22.288 ug/l
 RT: 4.03 min Scan# 349
 Delta R.T. -0.01 min
 Lab File: VW009574.D
 Acq: 29 Mar 2019 16:25

Tgt Ion: 96 Resp: 59278
 Ion Ratio Lower Upper
 96 100
 61 176.0 138.0 207.0
 98 57.6 49.8 74.8





#13

Acrolein

Concen: 101.375 ug/l

RT: 3.89 min Scan# 325

Delta R.T. -0.01 min

Lab File: VW009574.D

Acq: 29 Mar 2019 16:25

Instrument :

MSVOA_W

ClientSampleId :

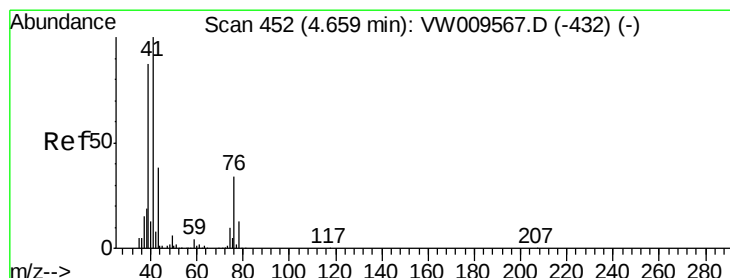
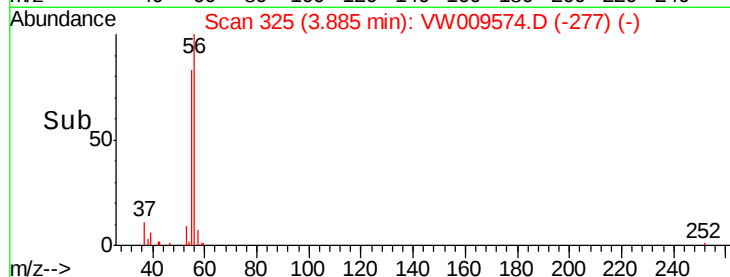
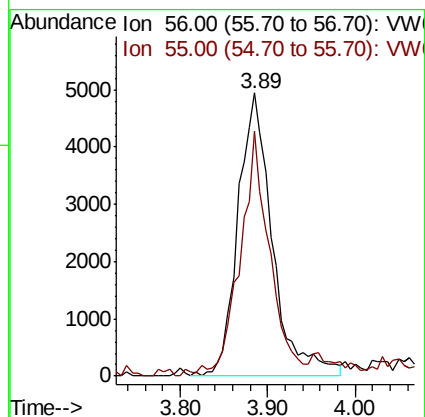
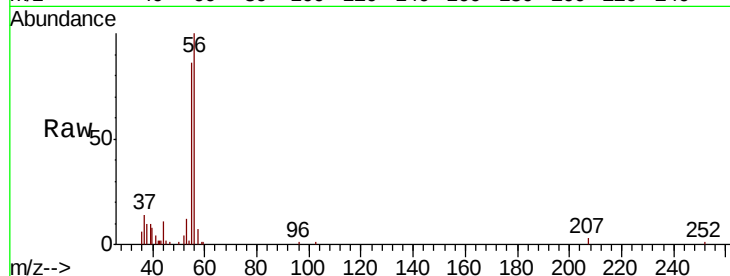
VW0329SBS01

Tgt Ion: 56 Resp: 13584

Ion Ratio Lower Upper

56 100

55 74.4 55.2 82.8



#14

Allyl chloride

Concen: 20.362 ug/l

RT: 4.65 min Scan# 451

Delta R.T. -0.01 min

Lab File: VW009574.D

Acq: 29 Mar 2019 16:25

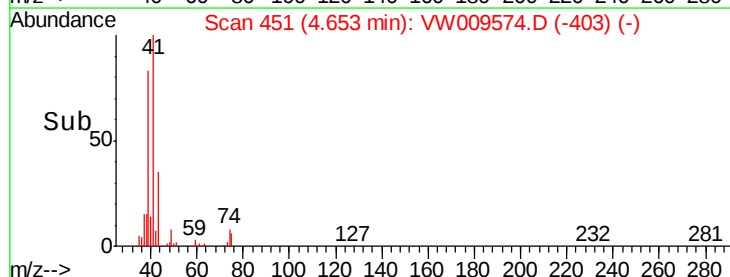
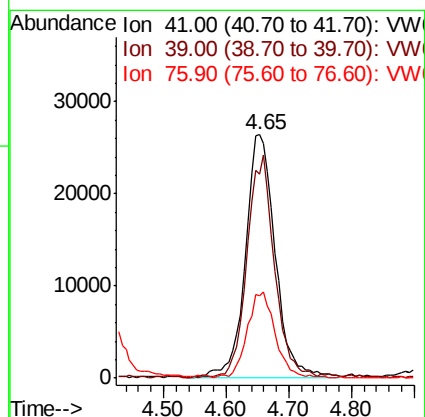
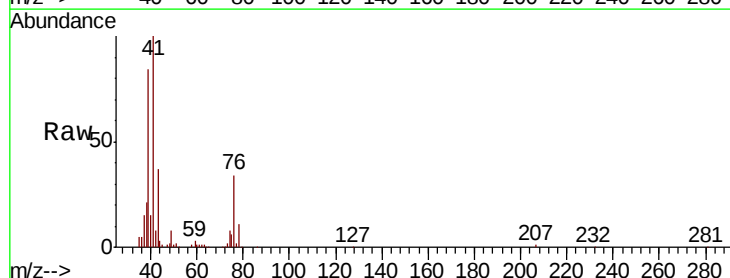
Tgt Ion: 41 Resp: 86616

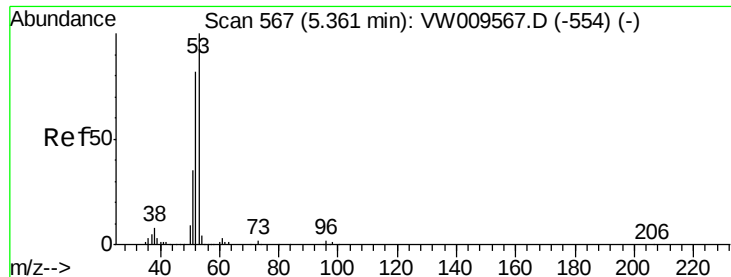
Ion Ratio Lower Upper

41 100

39 84.2 63.8 95.6

76 34.0 27.8 41.6





#15

Acrylonitrile

Concen: 106.160 ug/l

RT: 5.36 min Scan# 567

Delta R.T. 0.00 min

Lab File: VW009574.D

Acq: 29 Mar 2019 16:25

Instrument :

MSVOA_W

ClientSampleId :

VW0329SBS01

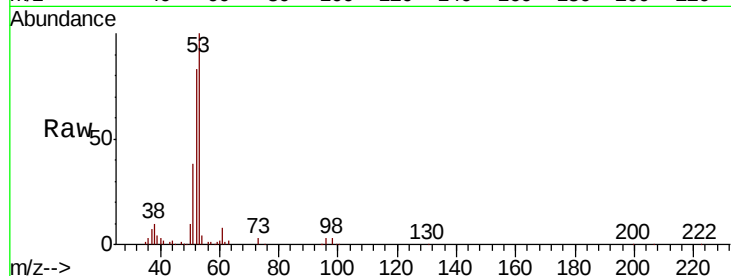
Tgt Ion: 53 Resp: 69017

Ion Ratio Lower Upper

53 100

52 88.4 67.6 101.4

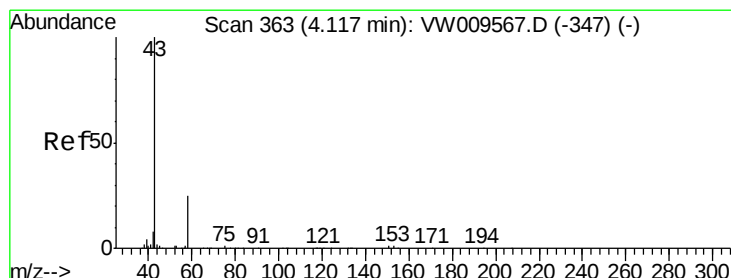
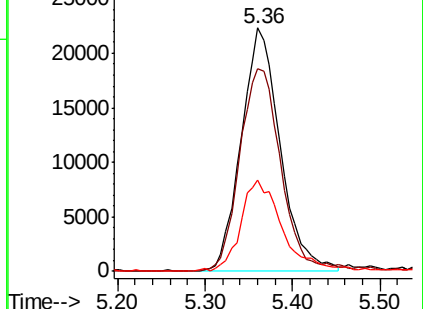
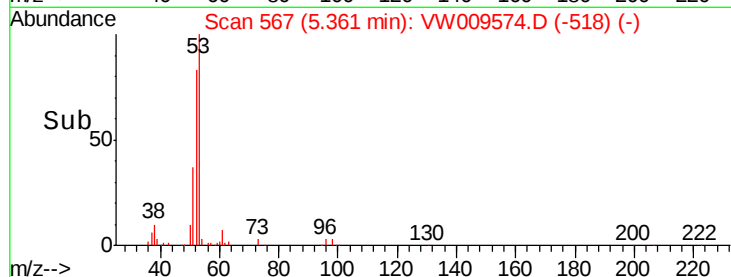
51 39.6 30.6 45.8



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: 119.435 ug/l

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

Lab File: VW009574.D

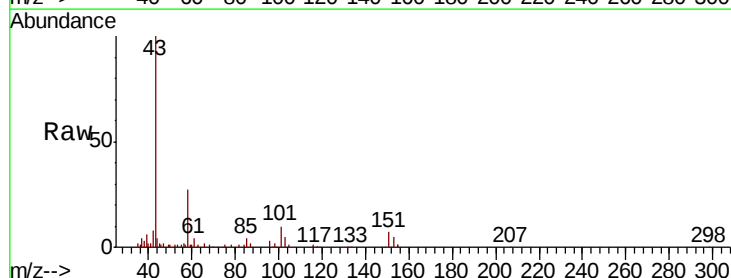
Acq: 29 Mar 2019 16:25

Tgt Ion: 43 Resp: 84613

Ion Ratio Lower Upper

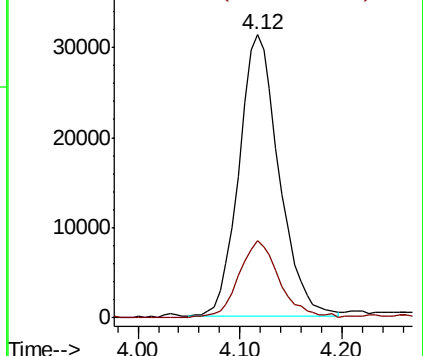
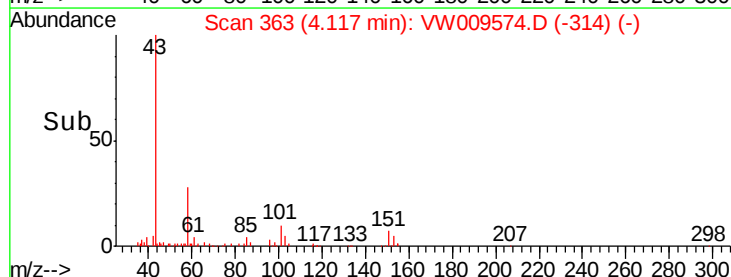
43 100

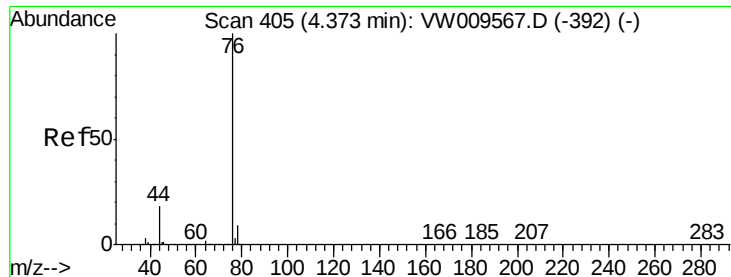
58 27.7 23.6 35.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

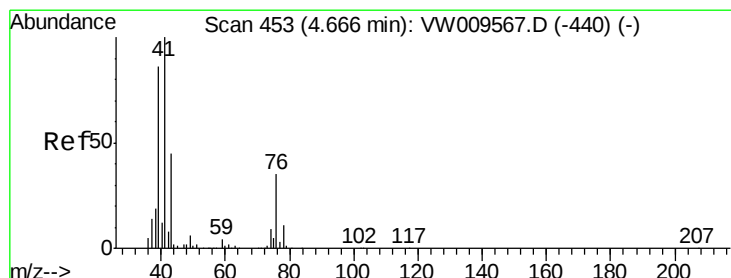
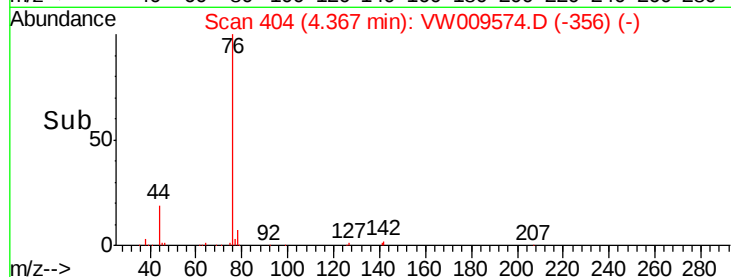
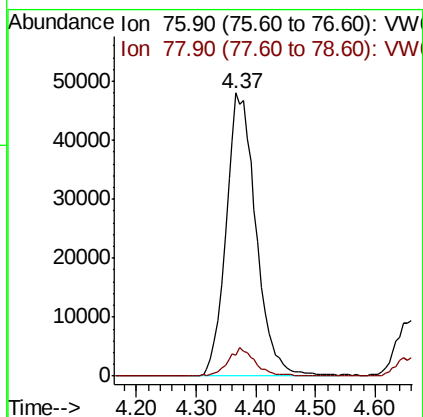
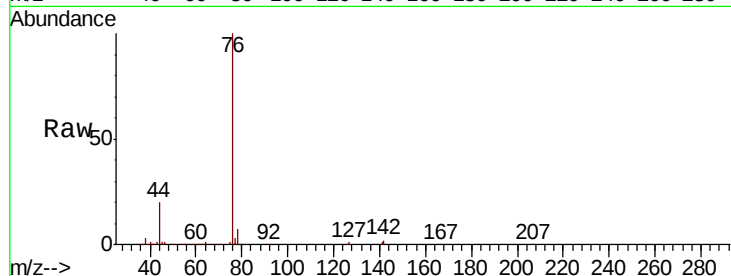




#17
Carbon Disulfide
Concen: 22.074 ug/l
RT: 4.37 min Scan# 404
Delta R.T. -0.01 min
Lab File: VW009574.D
Acq: 29 Mar 2019 16:25

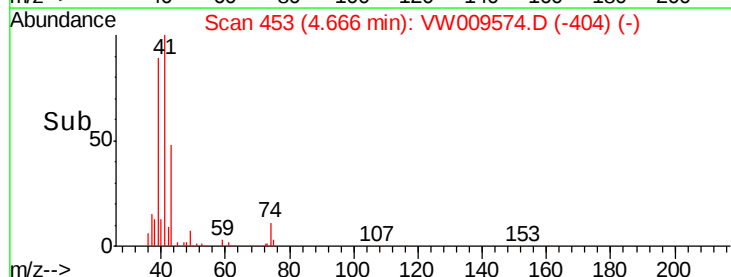
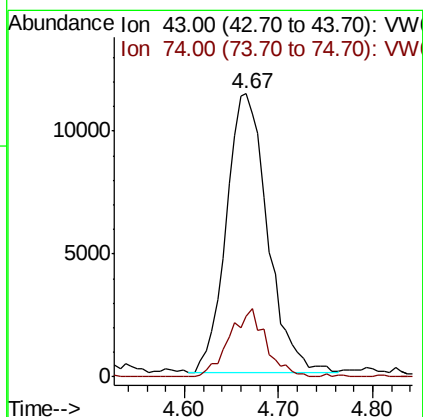
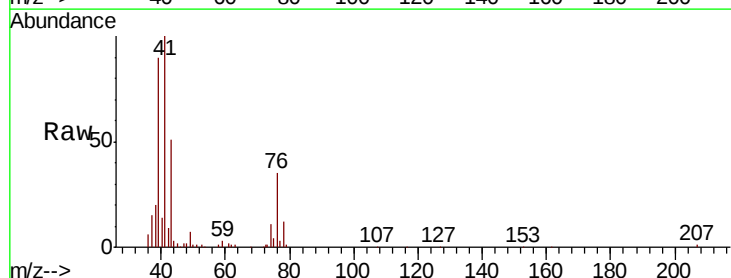
Instrument :
MSVOA_W
ClientSampleId :
VW0329SBS01

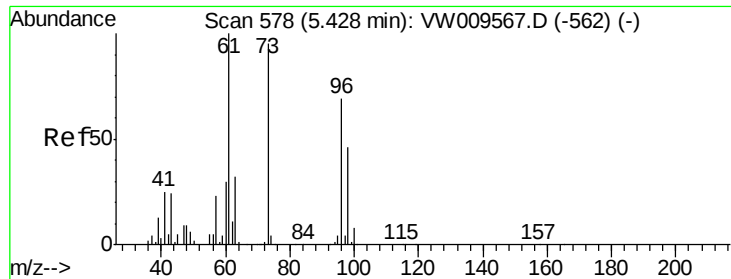
Tgt Ion: 76 Resp: 167045
Ion Ratio Lower Upper
76 100
78 7.5 6.6 9.8



#18
Methyl Acetate
Concen: 20.071 ug/l
RT: 4.67 min Scan# 453
Delta R.T. 0.00 min
Lab File: VW009574.D
Acq: 29 Mar 2019 16:25

Tgt Ion: 43 Resp: 34371
Ion Ratio Lower Upper
43 100
74 21.8 17.7 26.5

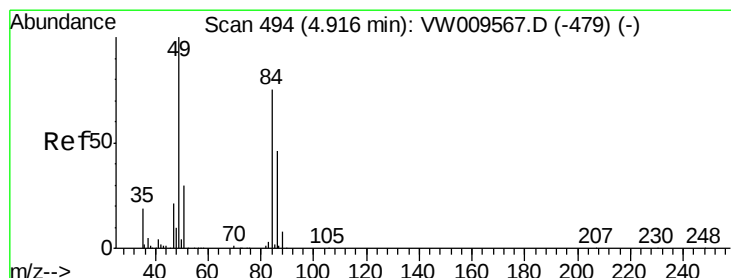
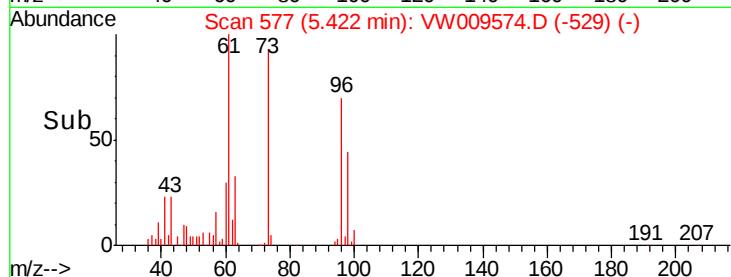
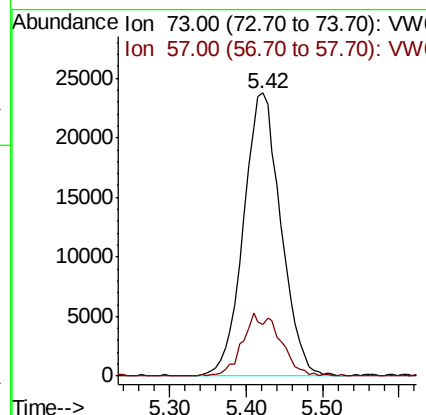
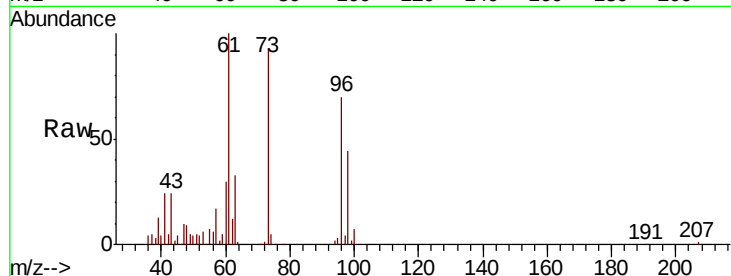




#19
Methyl tert-butyl Ether
Concen: 21.853 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW009574.D
Acq: 29 Mar 2019 16:25

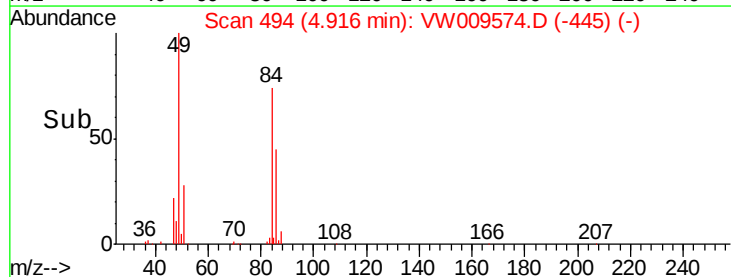
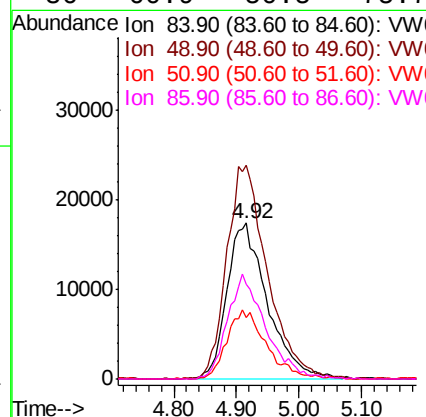
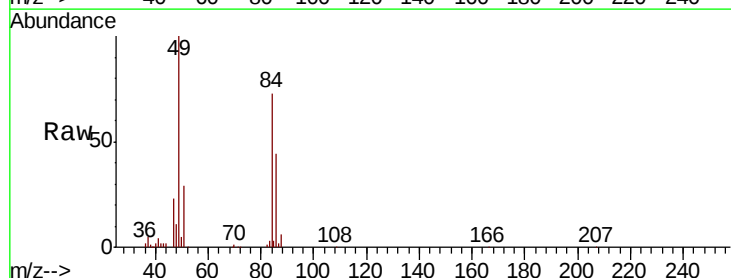
Instrument :
MSVOA_W
ClientSampleId :
VW0329SBS01

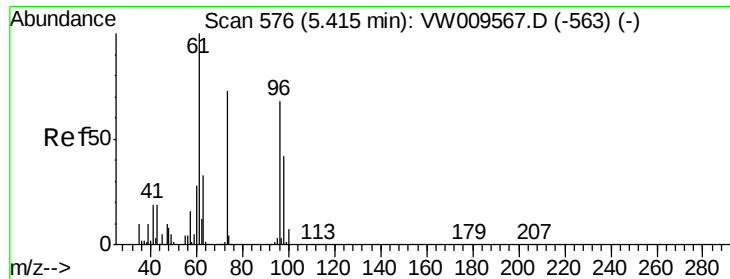
Tgt Ion: 73 Resp: 80833
Ion Ratio Lower Upper
73 100
57 18.3 17.0 25.6



#20
Methylene Chloride
Concen: 26.062 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW009574.D
Acq: 29 Mar 2019 16:25

Tgt Ion: 84 Resp: 77596
Ion Ratio Lower Upper
84 100
49 136.5 99.1 148.7
51 39.2 28.7 43.1
86 60.9 50.5 75.7





#21

trans-1,2-Dichloroethene

Concen: 22.205 ug/l

RT: 5.41 min Scan# 575

Delta R.T. -0.01 min

Lab File: VW009574.D

Acq: 29 Mar 2019 16:25

Instrument :

MSVOA_W

ClientSampleId :

VW0329SBS01

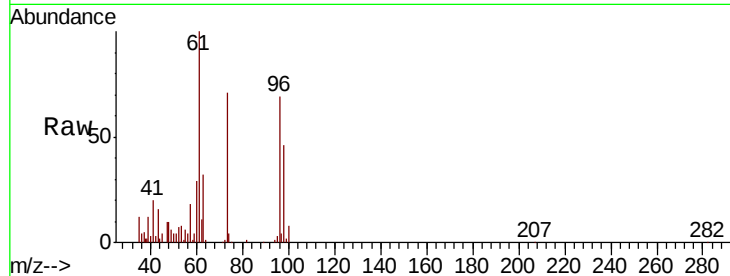
Tgt Ion: 96 Resp: 62702

Ion Ratio Lower Upper

96 100

61 144.7 108.2 162.4

98 66.3 50.9 76.3

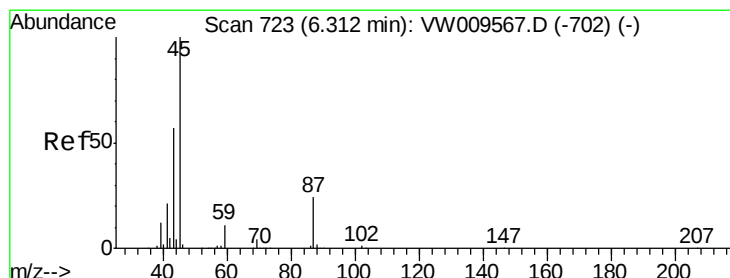
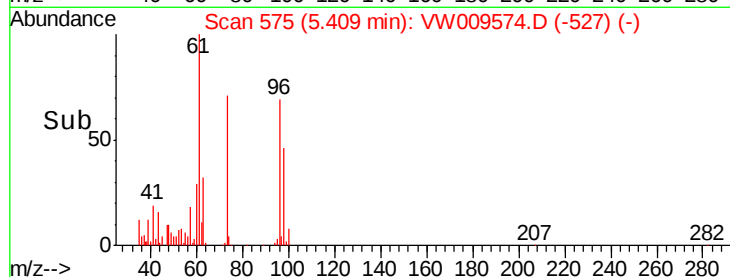
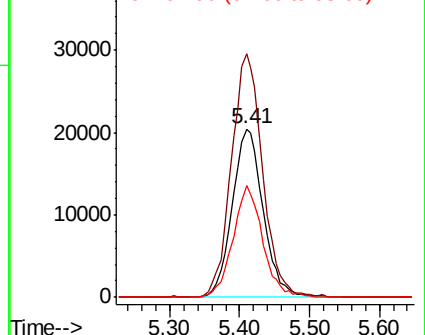


Abundance

Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW



#22

Diisopropyl ether

Concen: 22.134 ug/l

RT: 6.31 min Scan# 723

Delta R.T. 0.00 min

Lab File: VW009574.D

Acq: 29 Mar 2019 16:25

Tgt Ion: 45 Resp: 203338

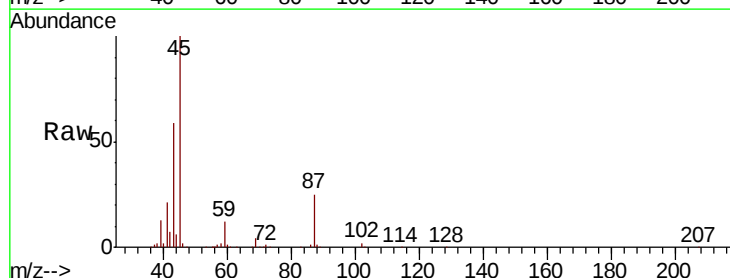
Ion Ratio Lower Upper

45 100

43 58.0 47.9 71.9

87 24.8 20.6 30.8

59 11.6 9.0 13.4



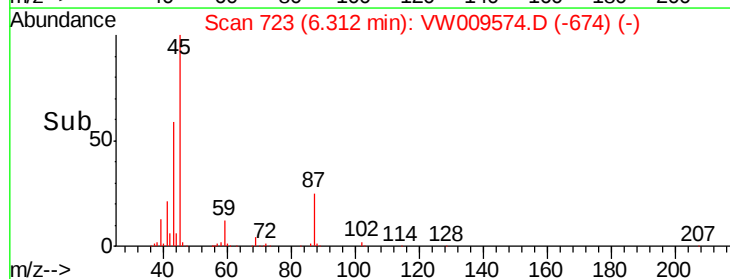
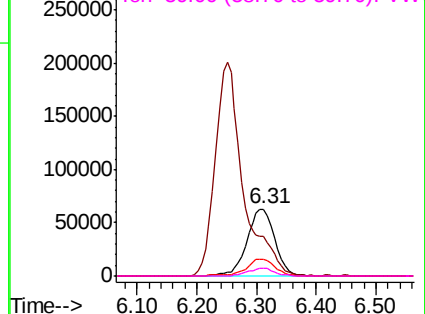
Abundance

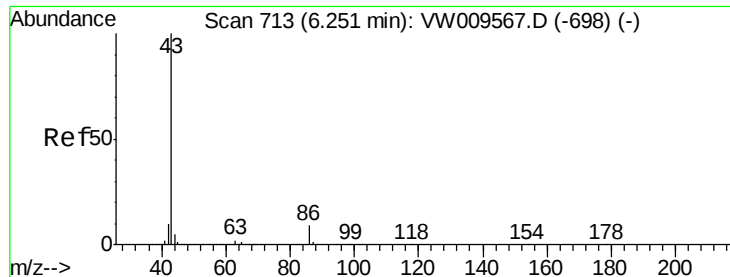
Ion 45.00 (44.70 to 45.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 87.00 (86.70 to 87.70): VW

Ion 59.00 (58.70 to 59.70): VW

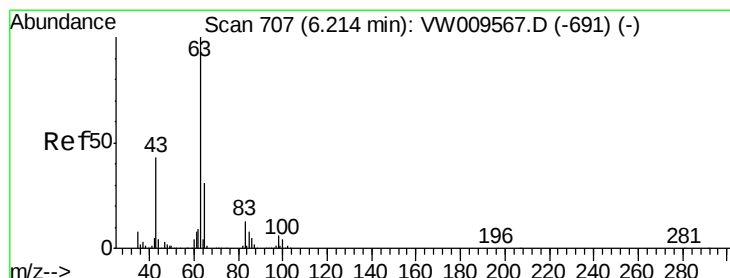
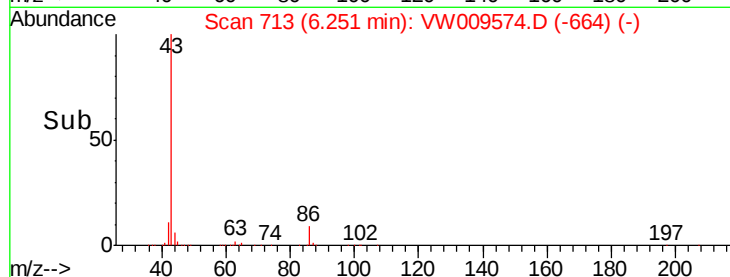
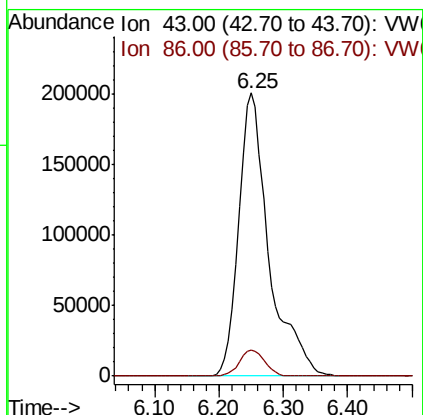
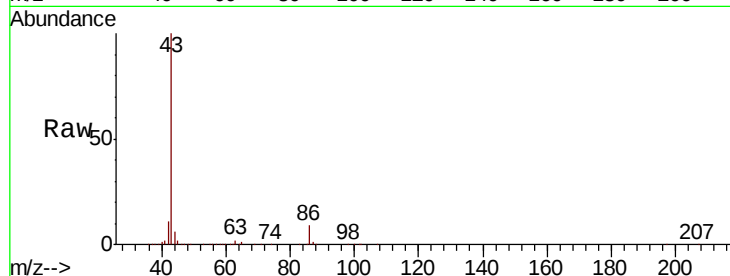




#23
 Vinyl Acetate
 Concen: 113.974 ug/l
 RT: 6.25 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VW009574.D
 Acq: 29 Mar 2019 16:25

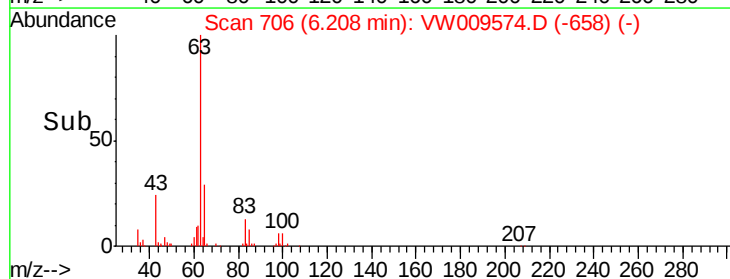
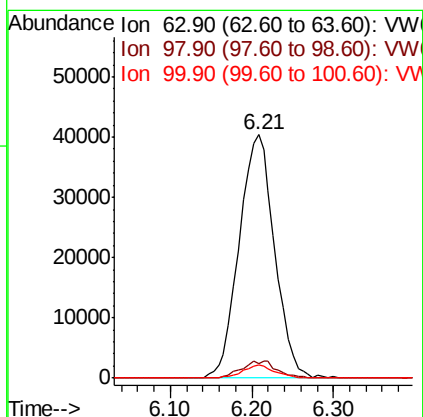
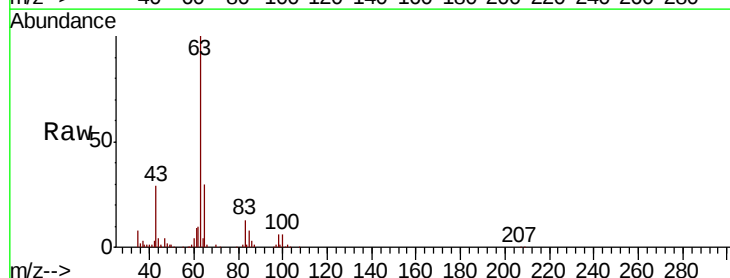
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0329SBS01

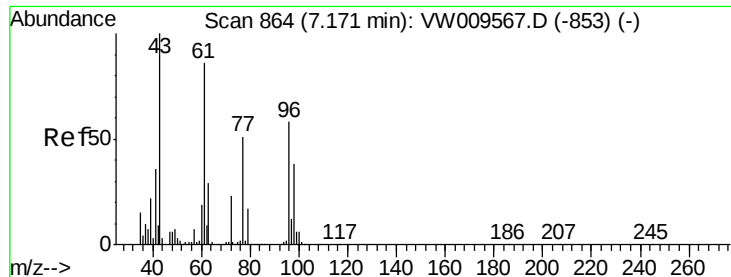
Tgt Ion: 43 Resp: 653198
 Ion Ratio Lower Upper
 43 100
 86 9.1 7.7 11.5



#24
 1,1-Dichloroethane
 Concen: 21.992 ug/l
 RT: 6.21 min Scan# 706
 Delta R.T. -0.01 min
 Lab File: VW009574.D
 Acq: 29 Mar 2019 16:25

Tgt Ion: 63 Resp: 121600
 Ion Ratio Lower Upper
 63 100
 98 6.2 3.7 11.1
 100 5.6 2.4 7.1





#25

2-Butanone

Concen: 113.732 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW009574.D

Acq: 29 Mar 2019 16:25

Instrument :

MSVOA_W

ClientSampleId :

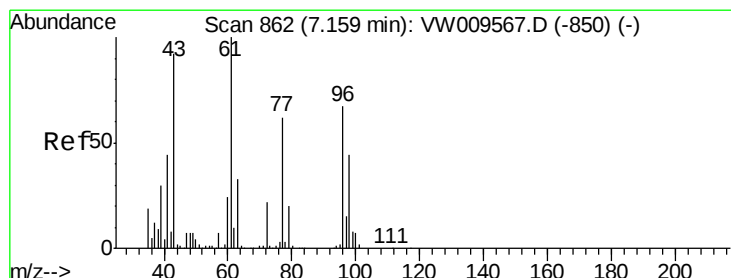
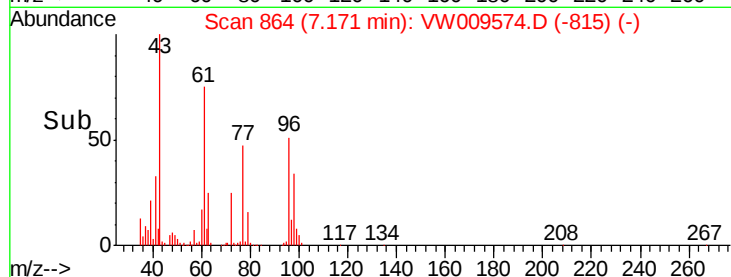
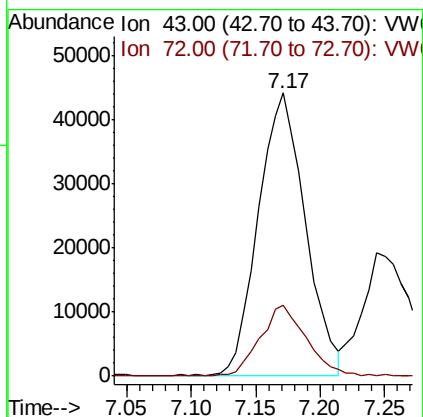
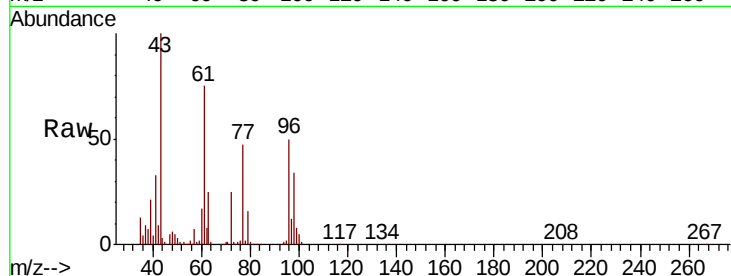
VW0329SBS01

Tgt Ion: 43 Resp: 111342

Ion Ratio Lower Upper

43 100

72 25.0 20.0 30.0



#26

2,2-Dichloropropane

Concen: 22.215 ug/l

RT: 7.16 min Scan# 862

Delta R.T. 0.00 min

Lab File: VW009574.D

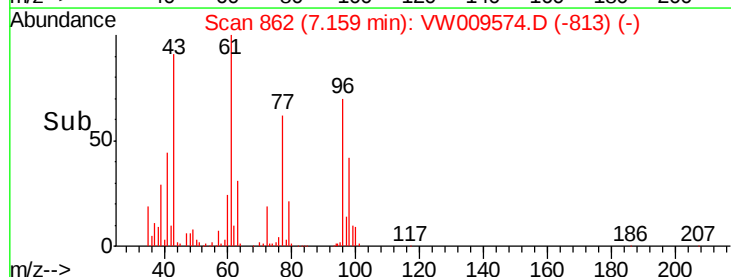
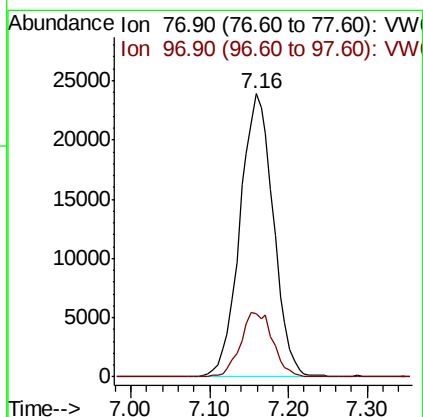
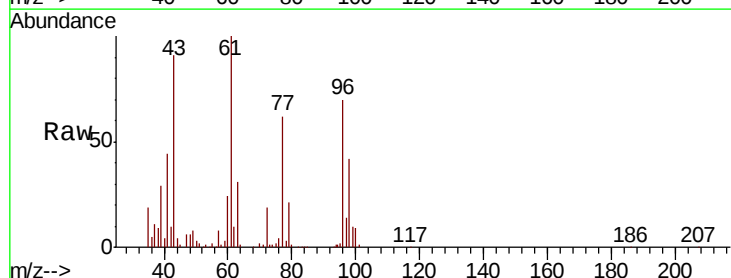
Acq: 29 Mar 2019 16:25

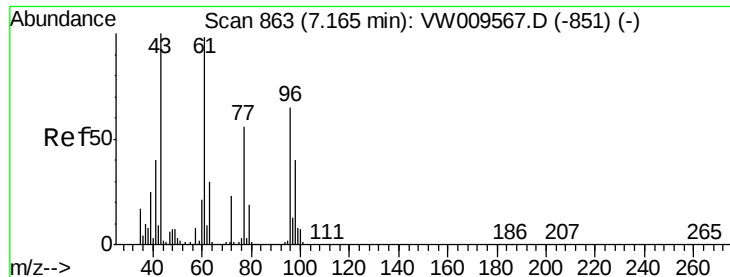
Tgt Ion: 77 Resp: 70230

Ion Ratio Lower Upper

77 100

97 22.1 11.6 34.7



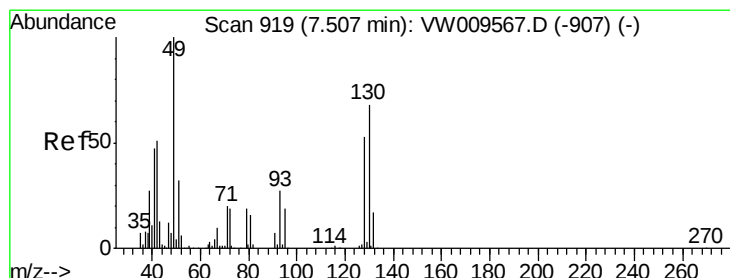
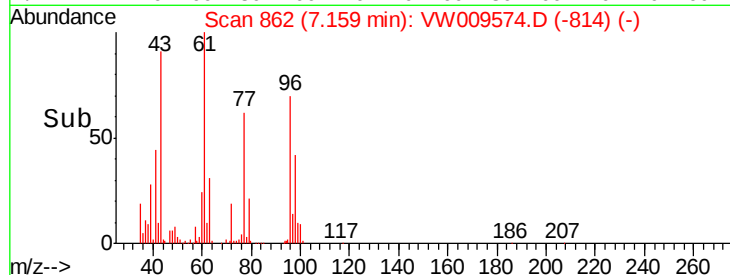
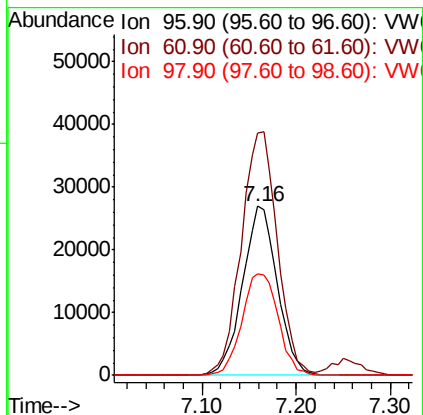
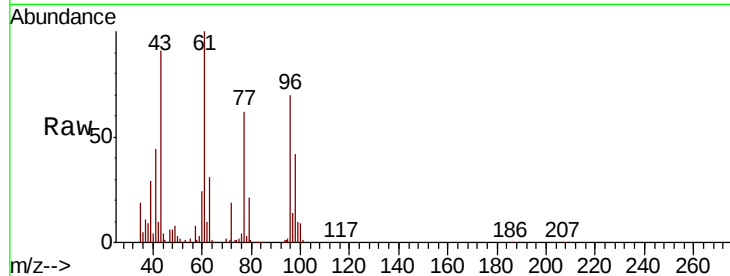


#27

cis-1,2-Dichloroethene
 Concen: 22.619 ug/l
 RT: 7.16 min Scan# 862
 Delta R.T. -0.01 min
 Lab File: VW009574.D
 Acq: 29 Mar 2019 16:25

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0329SBS01

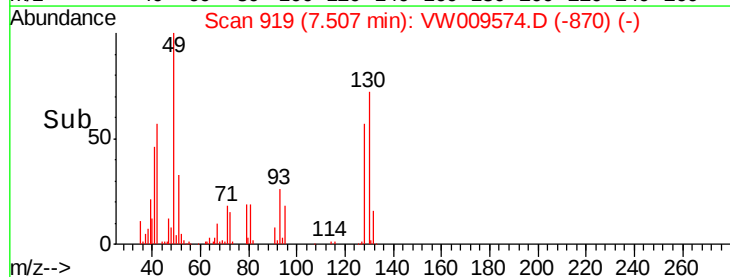
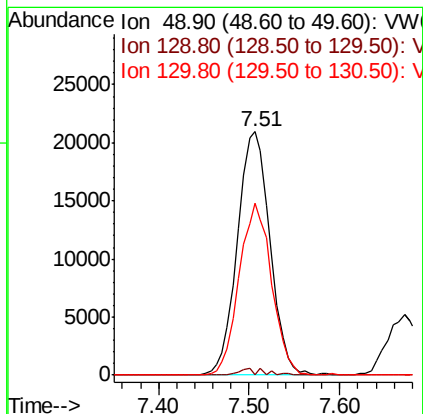
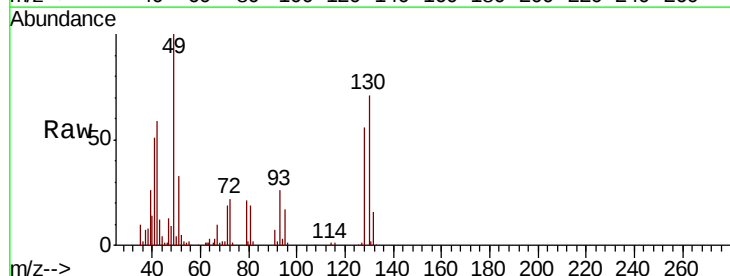
Tgt Ion: 96 Resp: 69755
 Ion Ratio Lower Upper
 96 100
 61 149.6 0.0 289.8
 98 62.8 0.0 130.8

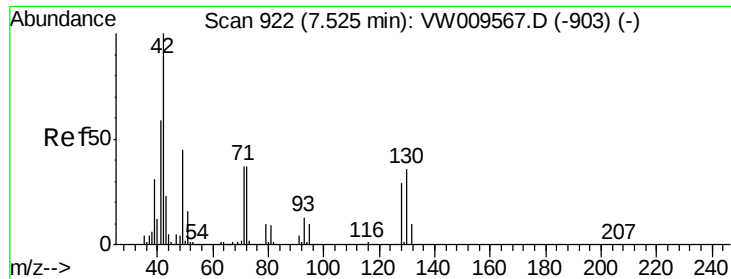


#28

Bromochloromethane
 Concen: 21.832 ug/l
 RT: 7.51 min Scan# 919
 Delta R.T. 0.00 min
 Lab File: VW009574.D
 Acq: 29 Mar 2019 16:25

Tgt Ion: 49 Resp: 52309
 Ion Ratio Lower Upper
 49 100
 129 1.1 0.0 1.4
 130 69.9 58.6 88.0

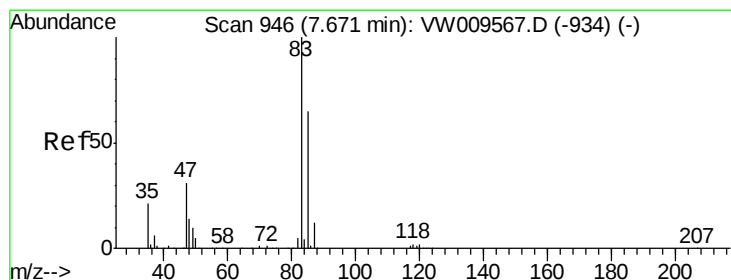
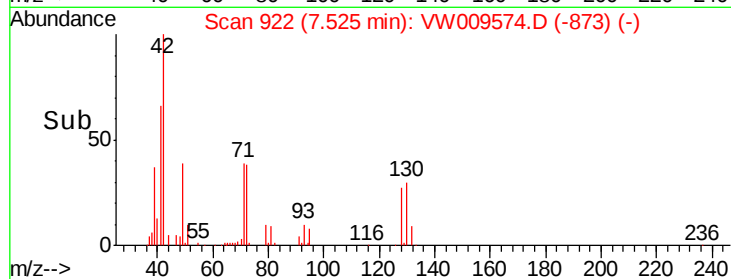
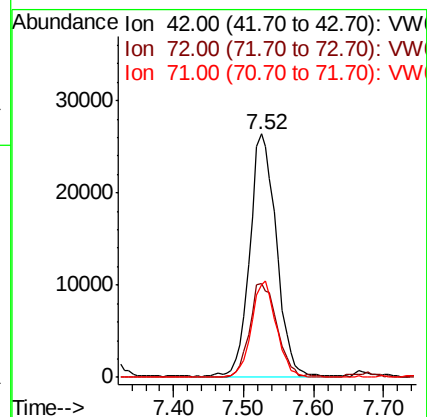
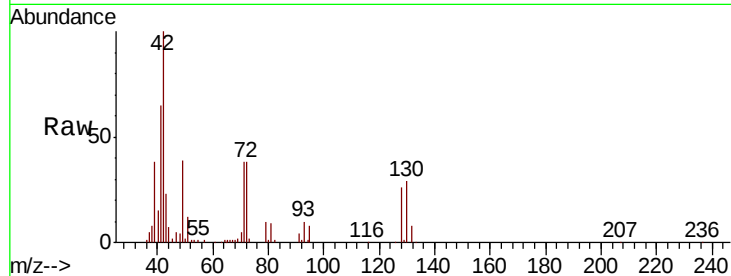




#29
Tetrahydrofuran
Concen: 114.883 ug/l
RT: 7.52 min Scan# 922
Delta R.T. 0.00 min
Lab File: VW009574.D
Acq: 29 Mar 2019 16:25

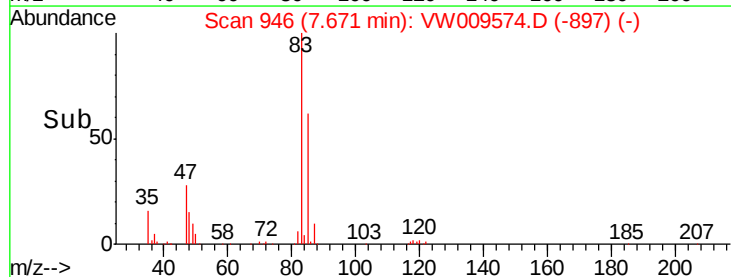
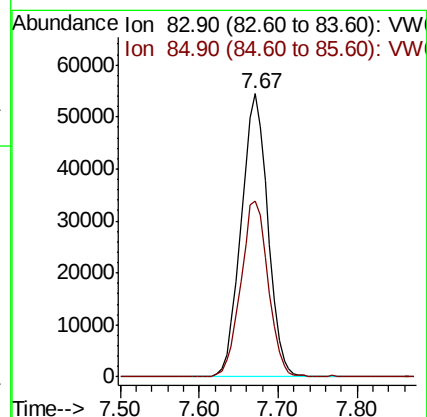
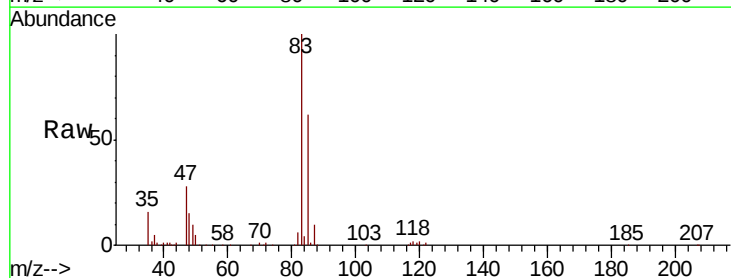
Instrument :
MSVOA_W
ClientSampleId :
VW0329SBS01

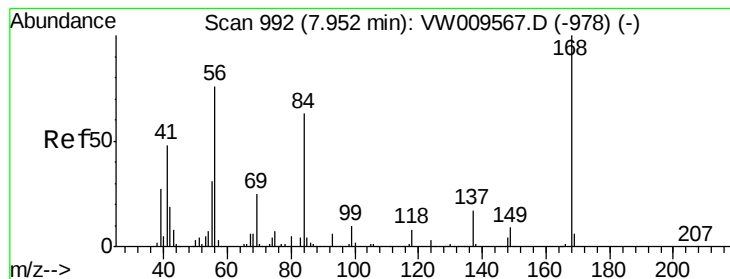
Tgt Ion: 42 Resp: 69836
Ion Ratio Lower Upper
42 100
72 39.8 32.4 48.6
71 37.0 30.1 45.1



#30
Chloroform
Concen: 22.368 ug/l
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW009574.D
Acq: 29 Mar 2019 16:25

Tgt Ion: 83 Resp: 128100
Ion Ratio Lower Upper
83 100
85 62.2 51.0 76.6





#31

Cyclohexane

Concen: 21.487 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW009574.D

Acq: 29 Mar 2019 16:25

Instrument :

MSVOA_W

ClientSampleId :

VW0329SBS01

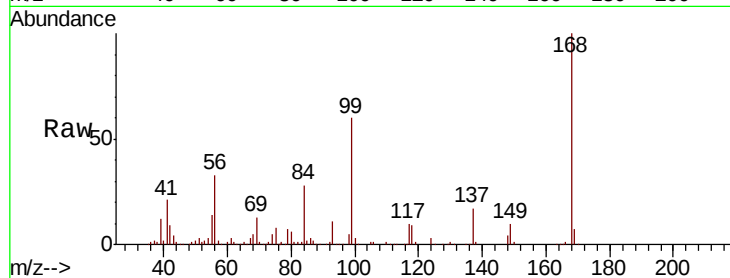
Tgt Ion: 56 Resp: 111385

Ion Ratio Lower Upper

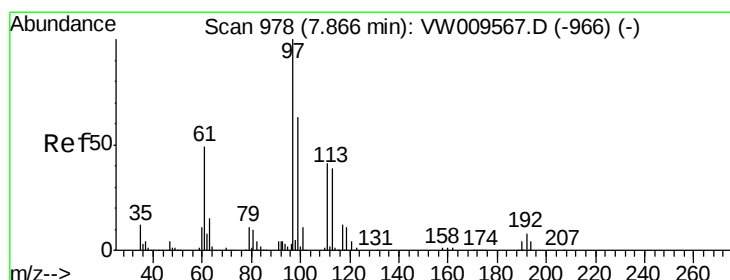
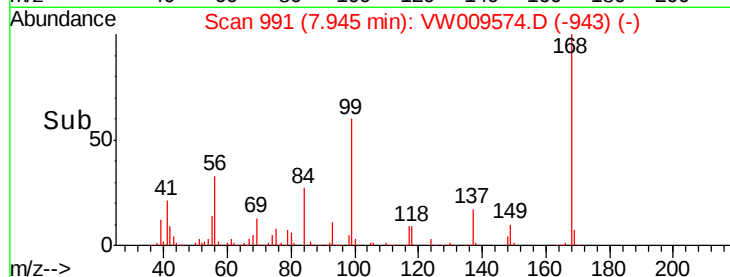
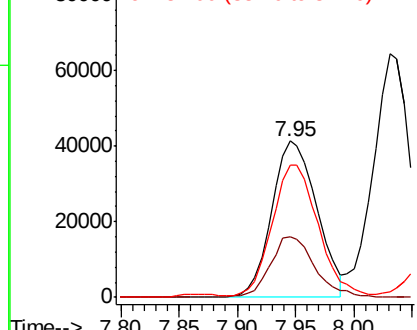
56 100

69 38.6 26.1 39.1

84 82.5 68.6 103.0



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: 21.714 ug/l

RT: 7.87 min Scan# 978

Delta R.T. 0.00 min

Lab File: VW009574.D

Acq: 29 Mar 2019 16:25

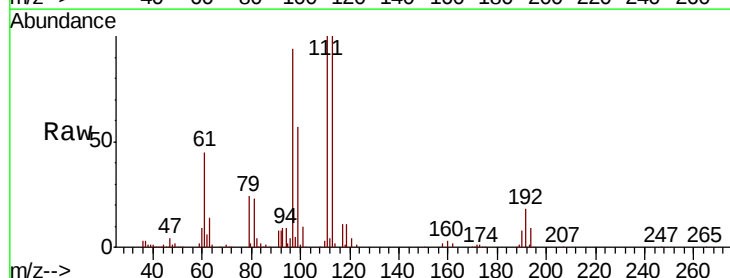
Tgt Ion: 97 Resp: 100670

Ion Ratio Lower Upper

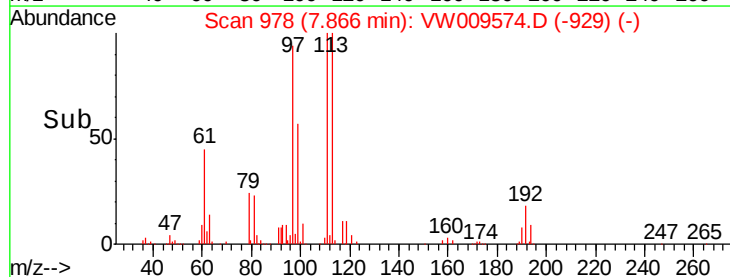
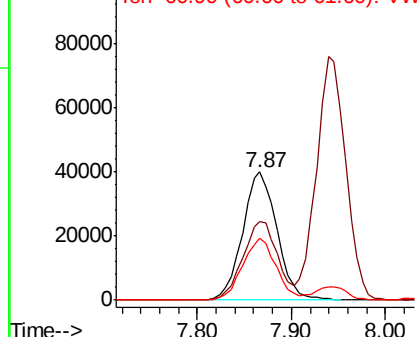
97 100

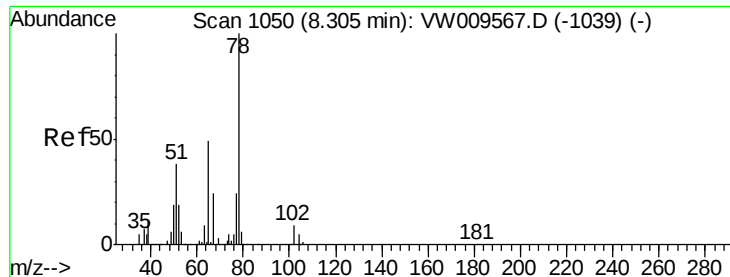
99 62.5 51.9 77.9

61 47.1 36.8 55.2



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

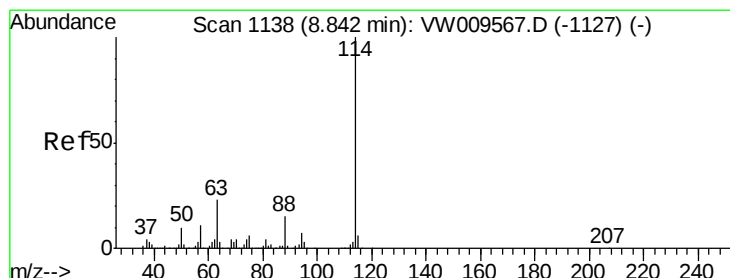
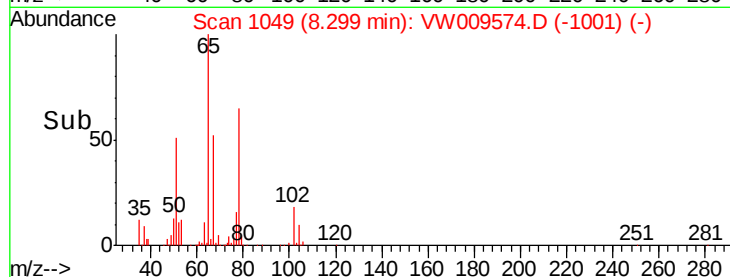
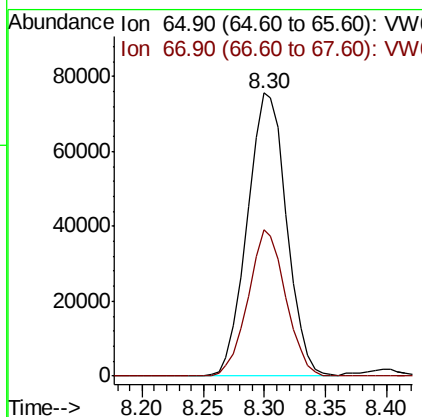
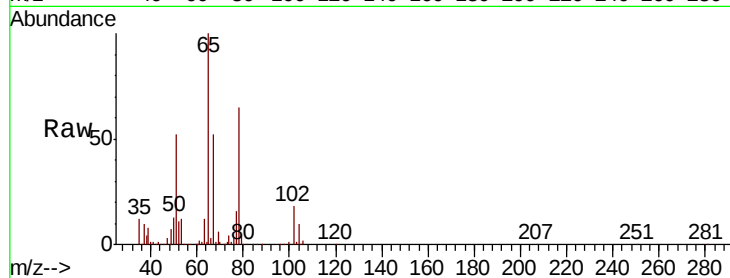




#33
 1,2-Dichloroethane-d4
 Concen: 53.614 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW009574.D
 Acq: 29 Mar 2019 16:25

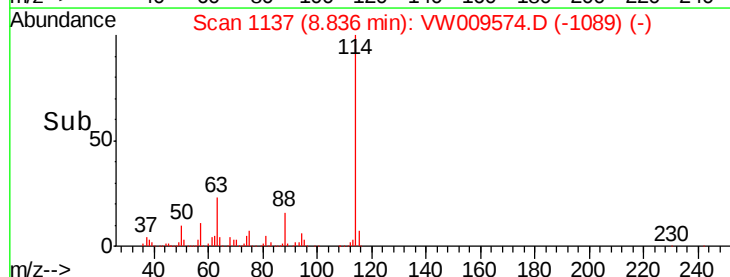
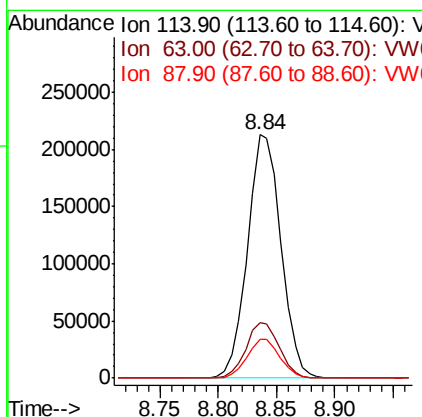
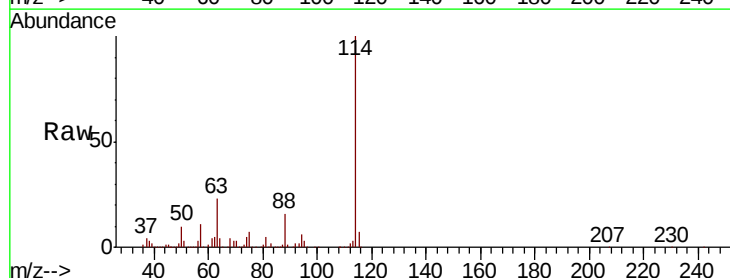
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0329SBS01

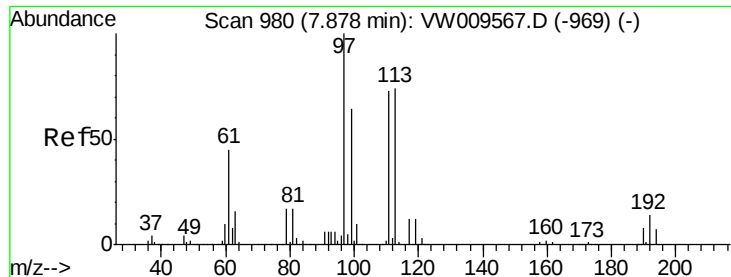
Tgt Ion: 65 Resp: 168936
 Ion Ratio Lower Upper
 65 100
 67 49.5 0.0 102.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1137
 Delta R.T. -0.01 min
 Lab File: VW009574.D
 Acq: 29 Mar 2019 16:25

Tgt Ion: 114 Resp: 424887
 Ion Ratio Lower Upper
 114 100
 63 22.9 0.0 42.2
 88 16.2 0.0 30.8

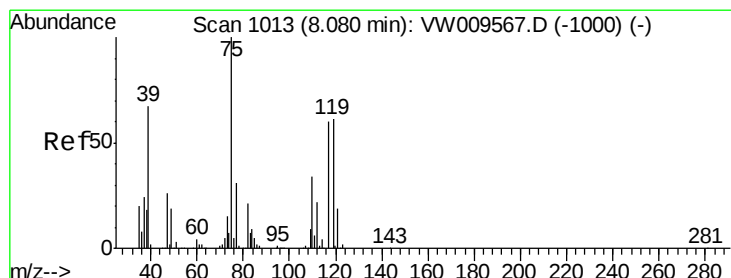
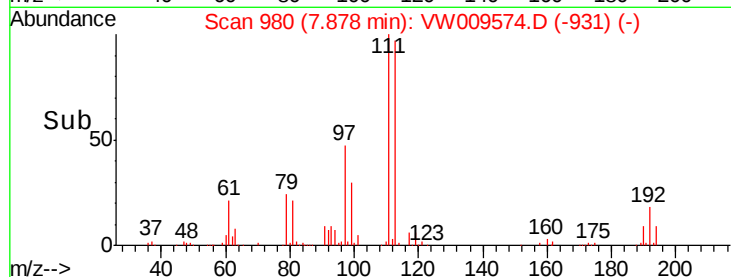
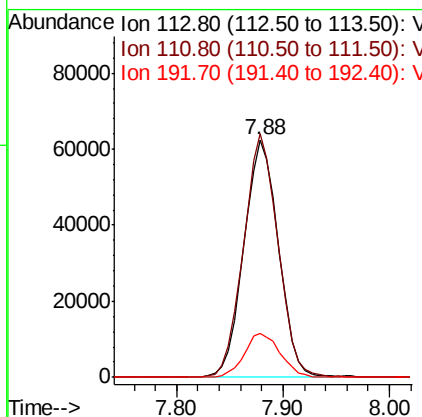
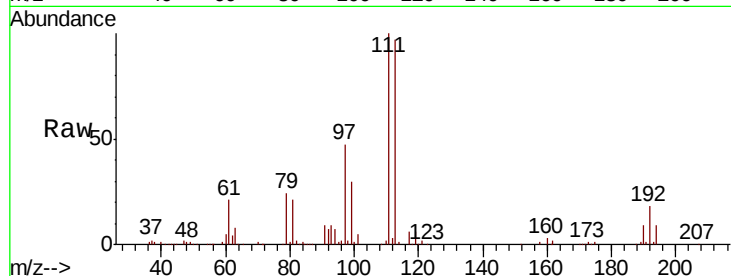




#35
 Dibromofluoromethane
 Concen: 53.411 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. 0.00 min
 Lab File: VW009574.D
 Acq: 29 Mar 2019 16:25

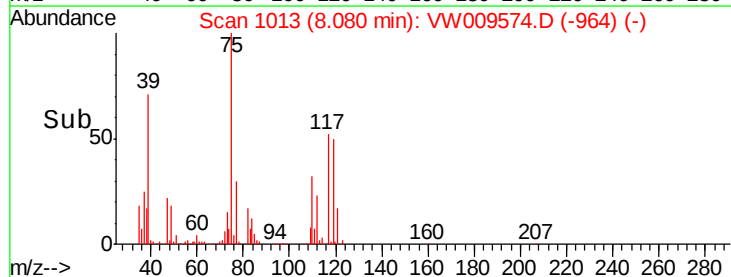
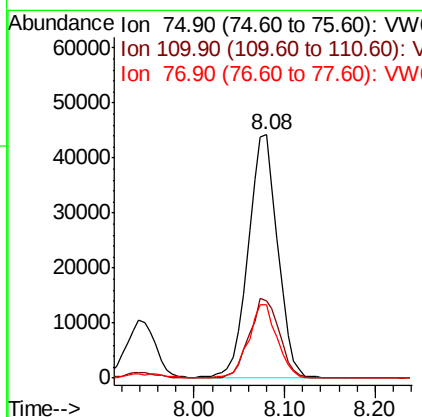
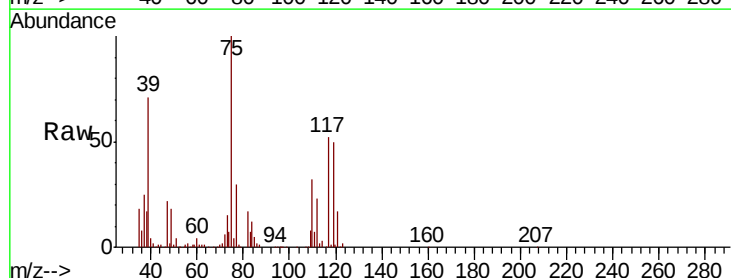
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0329SBS01

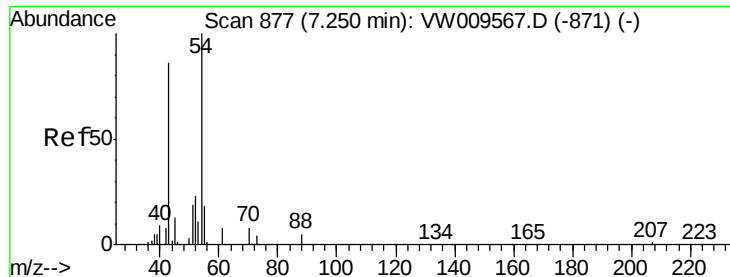
Tgt Ion:113 Resp: 142534
 Ion Ratio Lower Upper
 113 100
 111 102.4 82.6 124.0
 192 19.2 16.4 24.6



#36
 1,1-Dichloropropene
 Concen: 22.616 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: VW009574.D
 Acq: 29 Mar 2019 16:25

Tgt Ion: 75 Resp: 99392
 Ion Ratio Lower Upper
 75 100
 110 33.2 16.8 50.4
 77 29.8 24.6 36.8

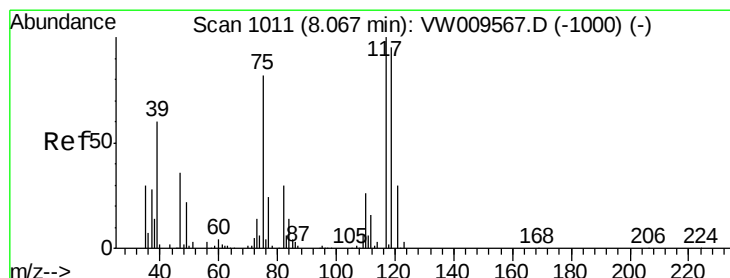
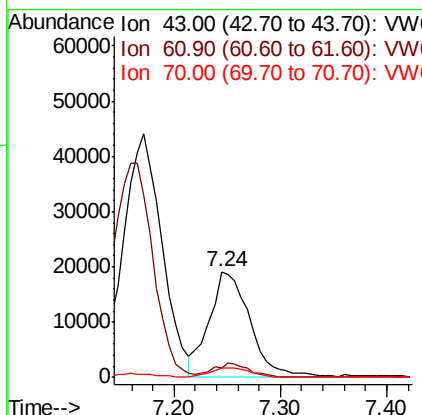
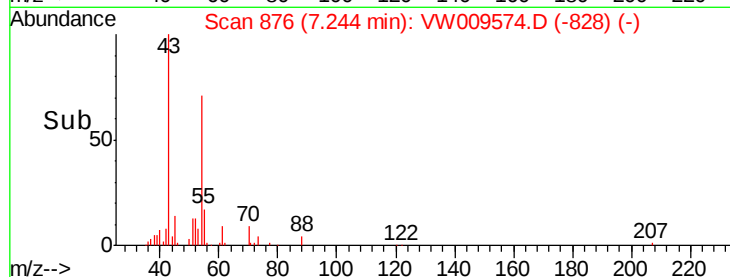
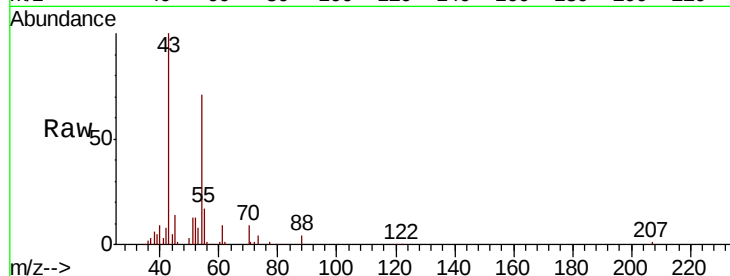




#37
Ethyl Acetate
Concen: 24.241 ug/l
RT: 7.24 min Scan# 876
Delta R.T. -0.01 min
Lab File: VW009574.D
Acq: 29 Mar 2019 16:25

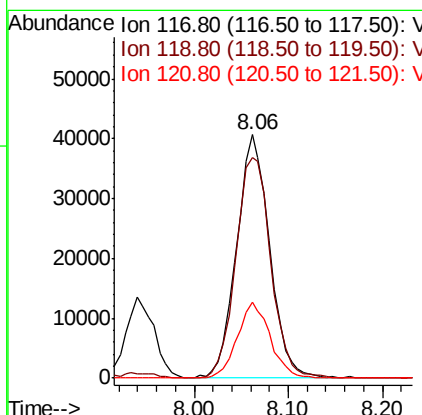
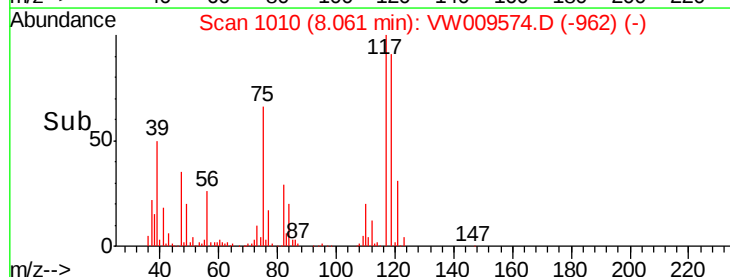
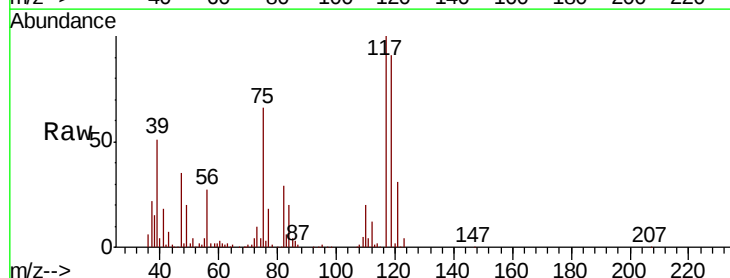
Instrument :
MSVOA_W
ClientSampleId :
VW0329SBS01

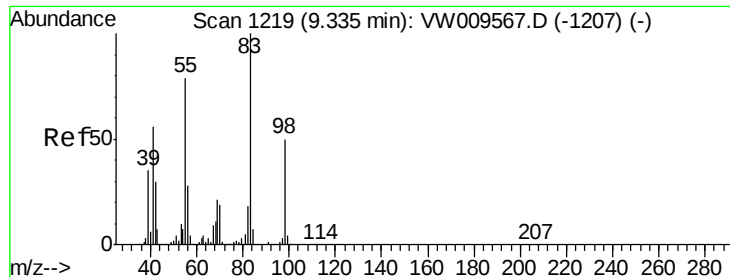
Tgt Ion: 43 Resp: 50613
Ion Ratio Lower Upper
43 100
61 12.4 10.0 15.0
70 9.3 7.3 10.9



#38
Carbon Tetrachloride
Concen: 22.152 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW009574.D
Acq: 29 Mar 2019 16:25

Tgt Ion: 117 Resp: 99754
Ion Ratio Lower Upper
117 100
119 90.5 75.4 113.0
121 31.0 24.9 37.3

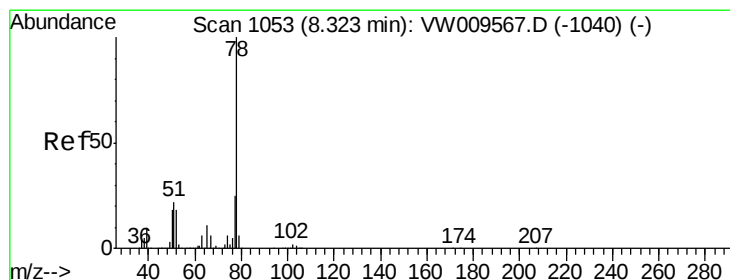
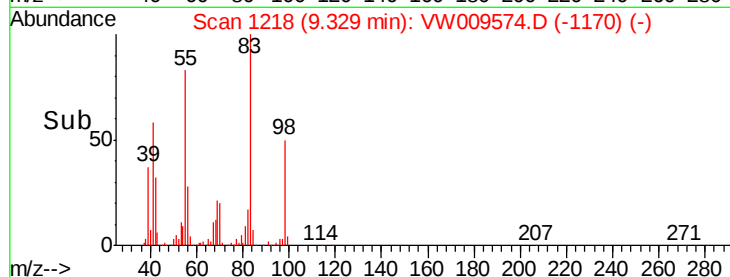
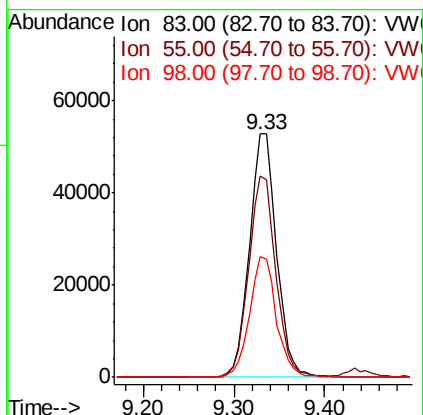
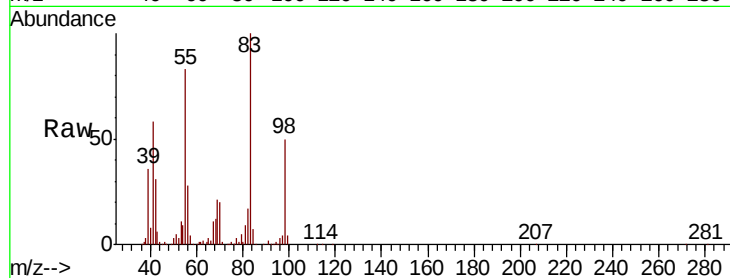




#39
Methylcyclohexane
Concen: 21.754 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW009574.D
Acq: 29 Mar 2019 16:25

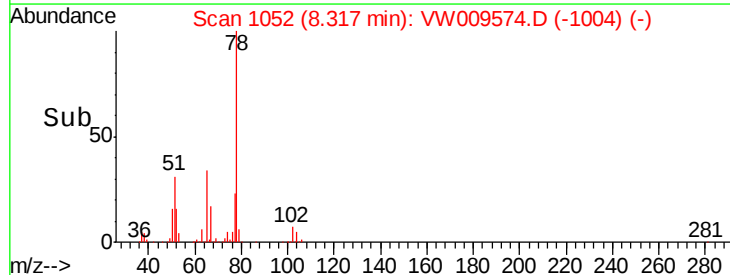
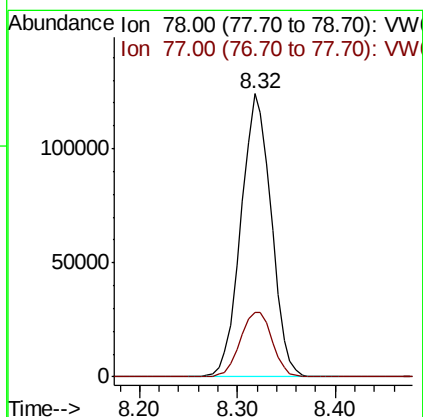
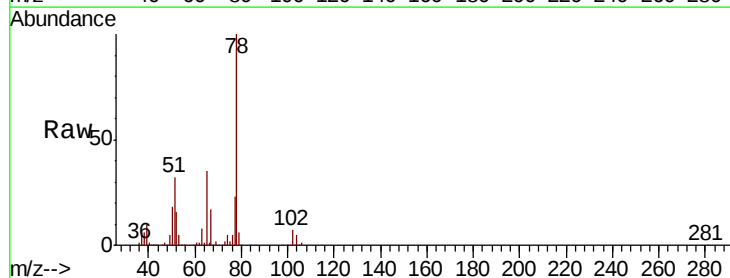
Instrument :
MSVOA_W
ClientSampleId :
VW0329SBS01

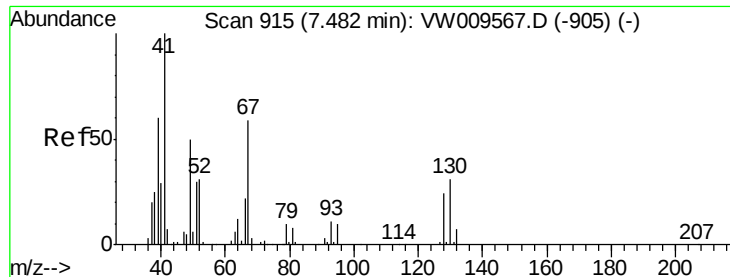
Tgt Ion: 83 Resp: 109204
Ion Ratio Lower Upper
83 100
55 82.7 61.1 91.7
98 49.7 39.0 58.4



#40
Benzene
Concen: 22.422 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VW009574.D
Acq: 29 Mar 2019 16:25

Tgt Ion: 78 Resp: 266899
Ion Ratio Lower Upper
78 100
77 22.8 19.8 29.6

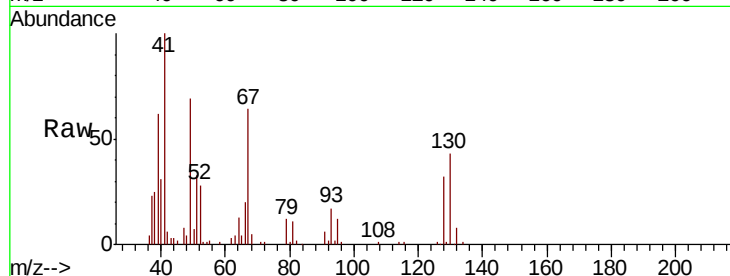




#41
Methacrylonitrile
Concen: 23.022 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW009574.D
Acq: 29 Mar 2019 16:25

Instrument :
MSVOA_W
ClientSampleId :
VW0329SBS01

Tgt Ion:	41	Resp:	28181
Ion	Ratio	Lower	Upper
41	100		
39	59.8	52.5	78.7
67	62.8	56.6	84.8
52	31.1	27.2	40.8



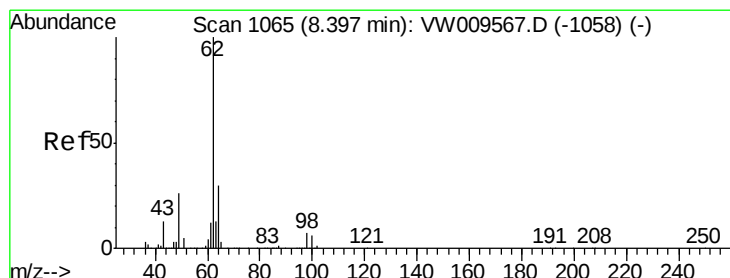
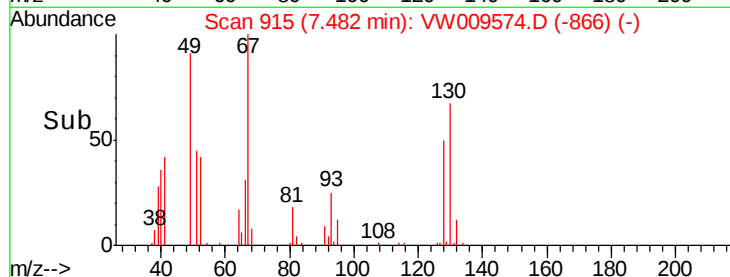
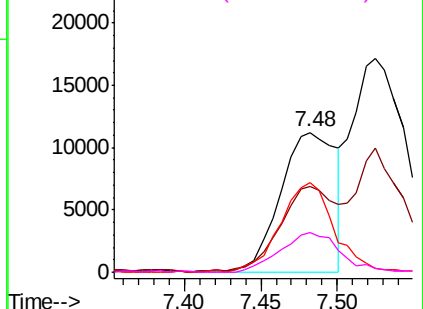
Abundance

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

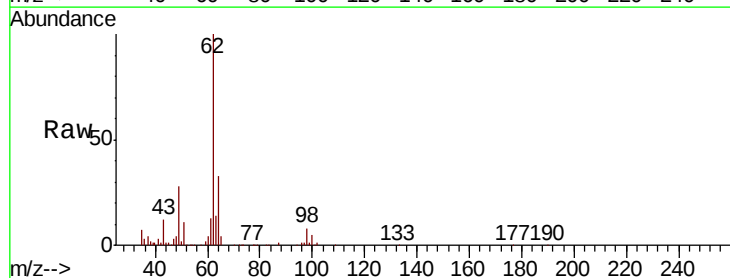
Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW



#42
1,2-Dichloroethane
Concen: 22.407 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW009574.D
Acq: 29 Mar 2019 16:25

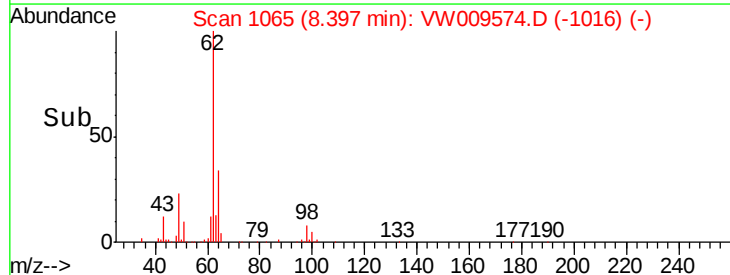
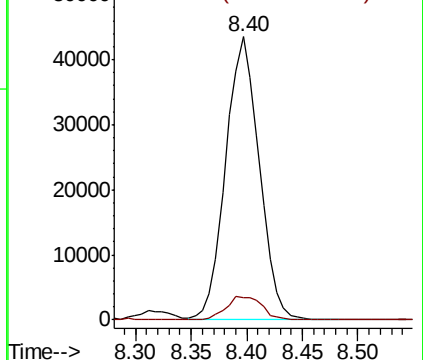
Tgt Ion:	62	Resp:	90932
Ion	Ratio	Lower	Upper
62	100		
98	8.9	0.0	17.4

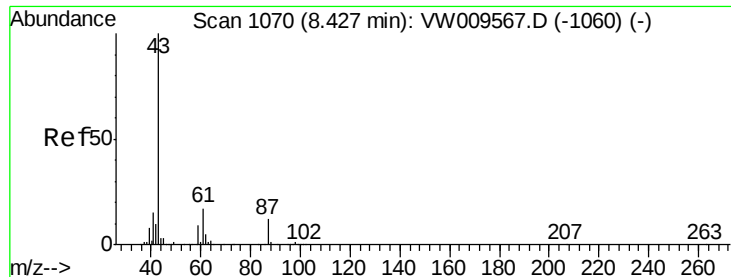


Abundance

Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 22.520 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.01 min

Lab File: VW009574.D

Acq: 29 Mar 2019 16:25

Instrument :

MSVOA_W

ClientSampleId :

VW0329SBS01

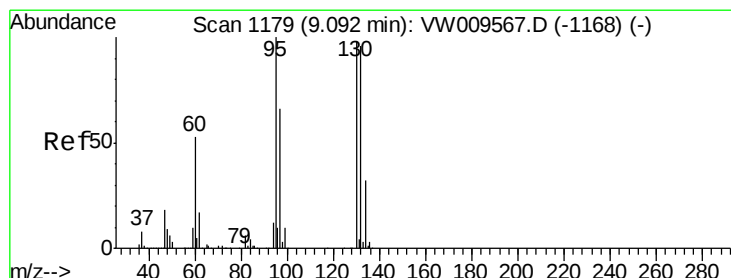
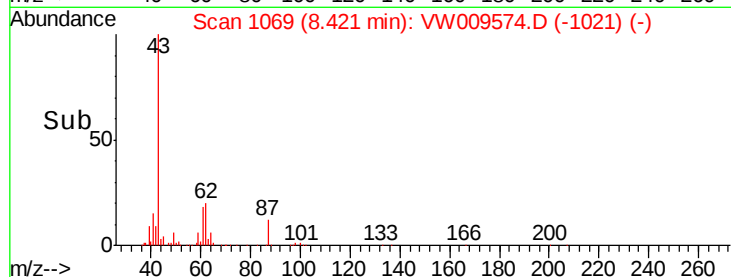
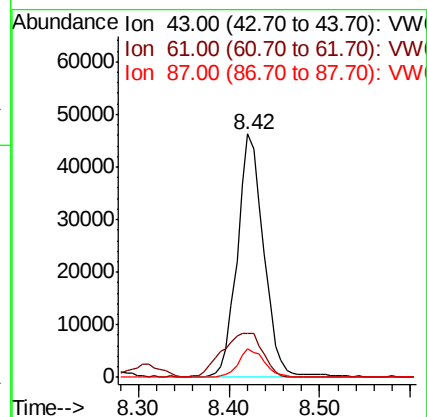
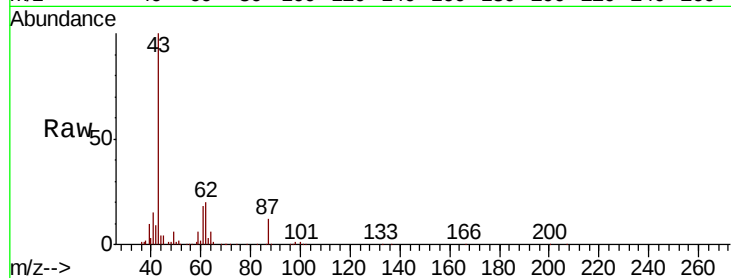
Tgt Ion: 43 Resp: 92151

Ion Ratio Lower Upper

43 100

61 28.6 22.2 33.2

87 11.6 9.6 14.4



#44

Trichloroethene

Concen: 22.218 ug/l

RT: 9.09 min Scan# 1178

Delta R.T. -0.01 min

Lab File: VW009574.D

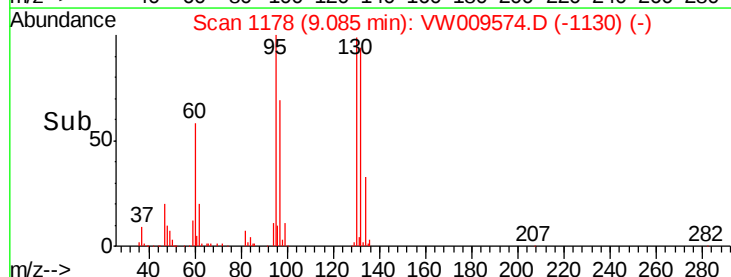
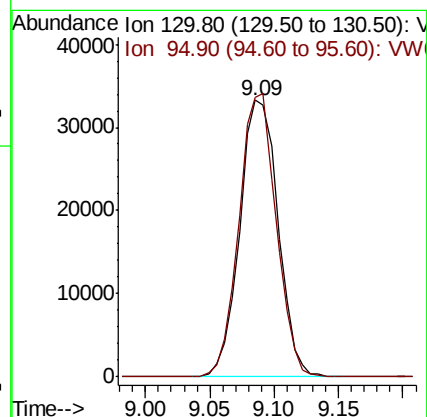
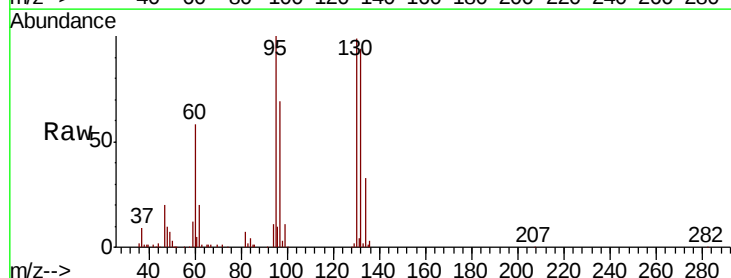
Acq: 29 Mar 2019 16:25

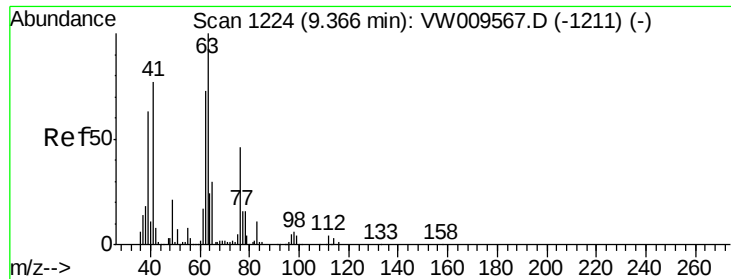
Tgt Ion: 130 Resp: 68469

Ion Ratio Lower Upper

130 100

95 100.8 0.0 192.6

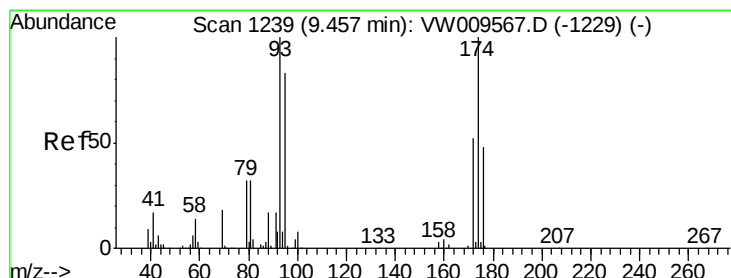
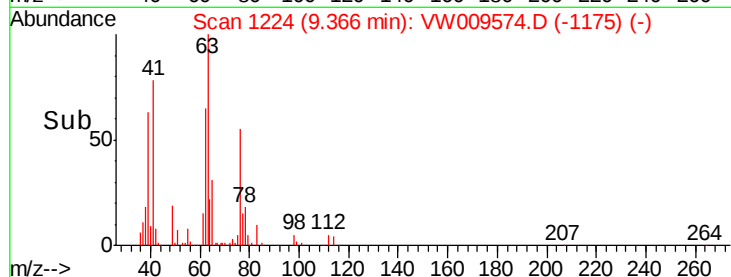
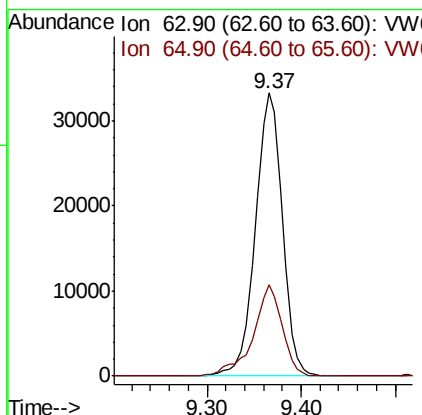
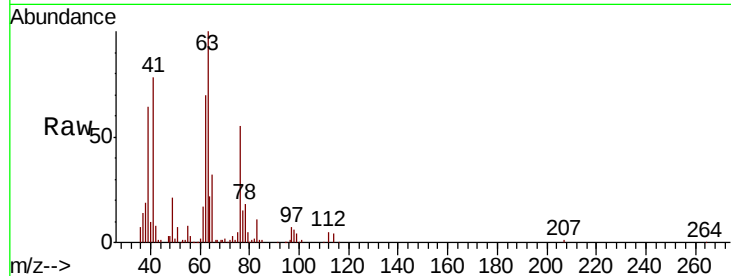




#45
 1,2-Dichloropropane
 Concen: 22.051 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW009574.D
 Acq: 29 Mar 2019 16:25

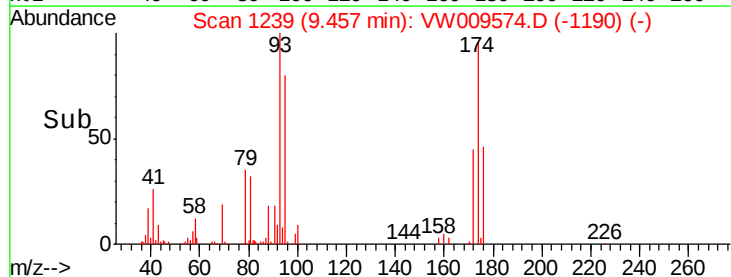
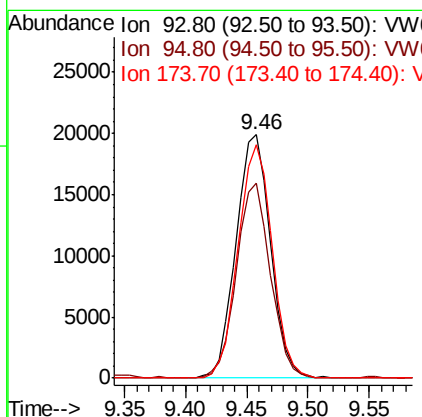
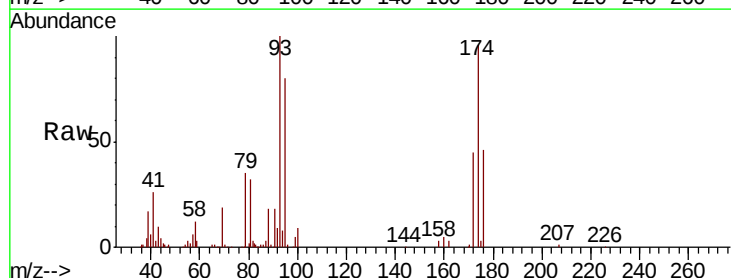
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0329SBS01

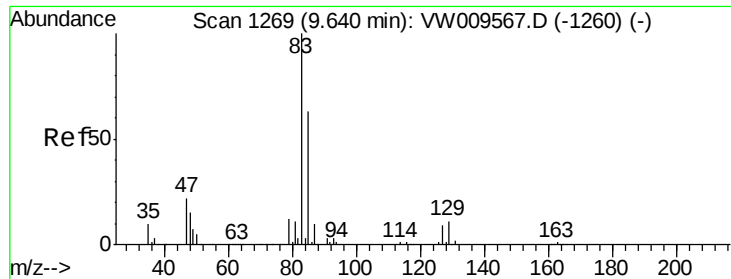
Tgt Ion: 63 Resp: 67186
 Ion Ratio Lower Upper
 63 100
 65 31.9 25.8 38.8



#46
 Dibromomethane
 Concen: 23.626 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW009574.D
 Acq: 29 Mar 2019 16:25

Tgt Ion: 93 Resp: 38997
 Ion Ratio Lower Upper
 93 100
 95 78.8 66.9 100.3
 174 94.7 80.8 121.2

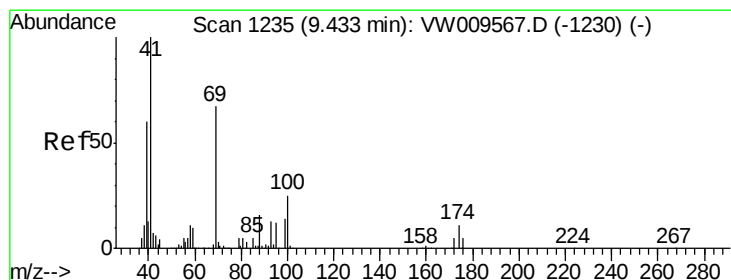
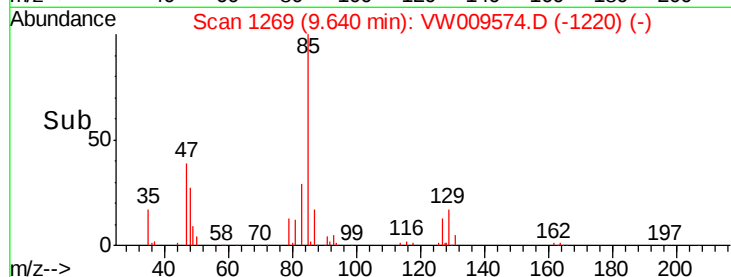
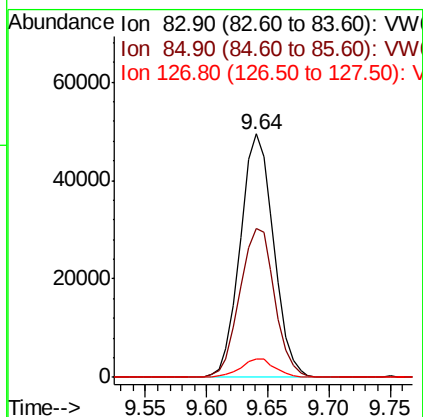
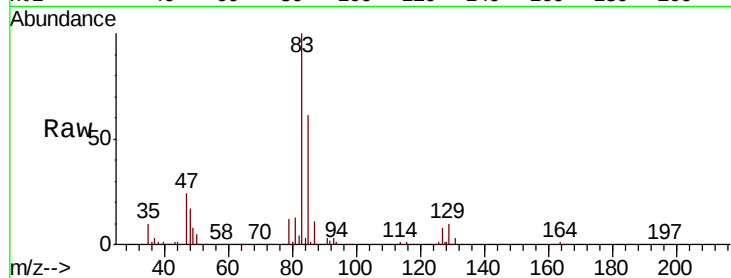




#47
Bromodichloromethane
Concen: 22.258 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. 0.00 min
Lab File: VW009574.D
Acq: 29 Mar 2019 16:25

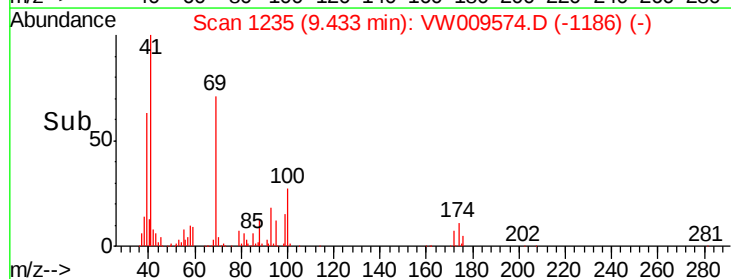
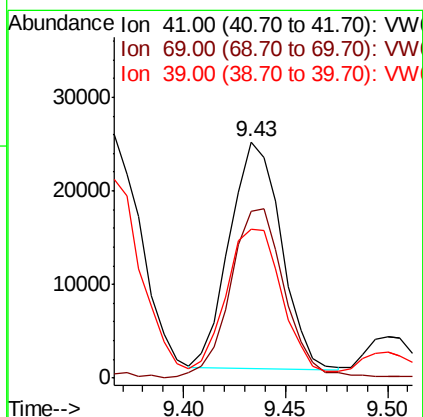
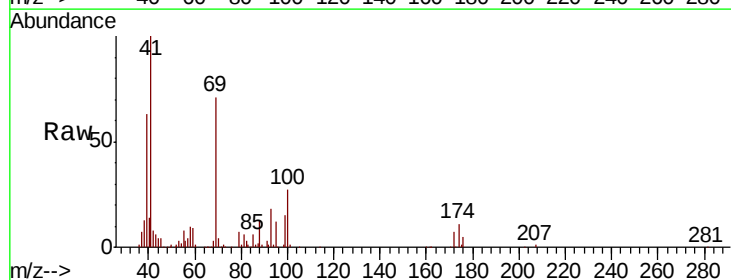
Instrument :
MSVOA_W
ClientSampleId :
VW0329SBS01

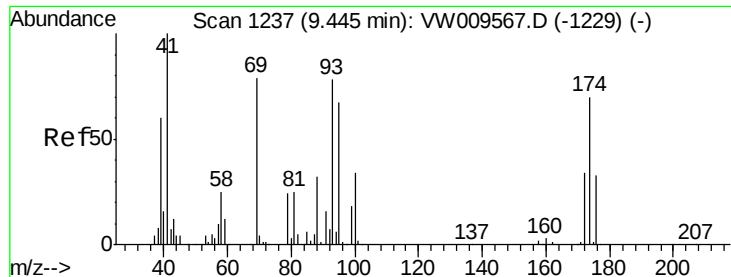
Tgt Ion: 83 Resp: 93714
Ion Ratio Lower Upper
83 100
85 61.1 52.6 79.0
127 7.8 6.5 9.7



#48
Methyl methacrylate
Concen: 22.293 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. 0.00 min
Lab File: VW009574.D
Acq: 29 Mar 2019 16:25

Tgt Ion: 41 Resp: 42761
Ion Ratio Lower Upper
41 100
69 77.4 63.0 94.6
39 71.3 57.2 85.8

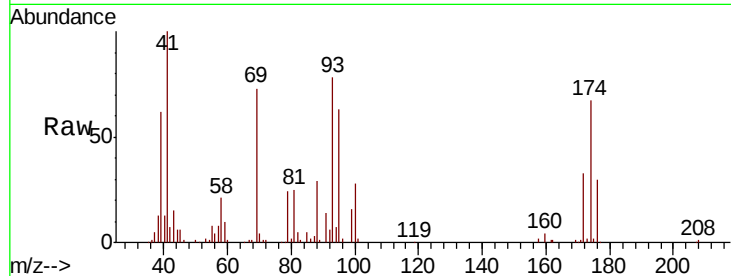




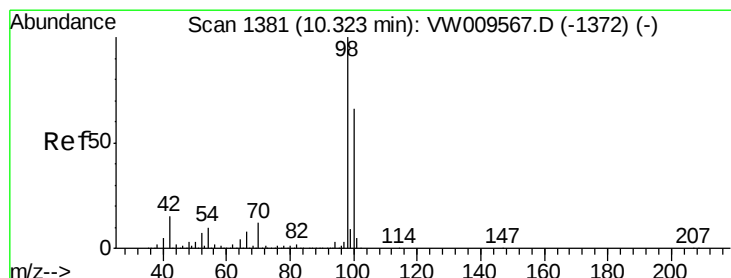
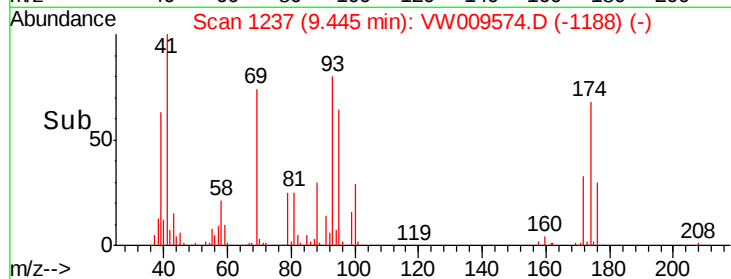
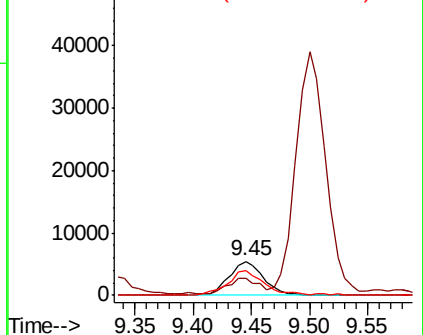
#49
1,4-Dioxane
Concen: 458.537 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. 0.00 min
Lab File: VW009574.D
Acq: 29 Mar 2019 16:25

Instrument :
MSVOA_W
ClientSampleId :
VW0329SBS01

Tgt Ion: 88 Resp: 11271
Ion Ratio Lower Upper
88 100
43 40.5 29.7 44.5
58 74.8 58.1 87.1

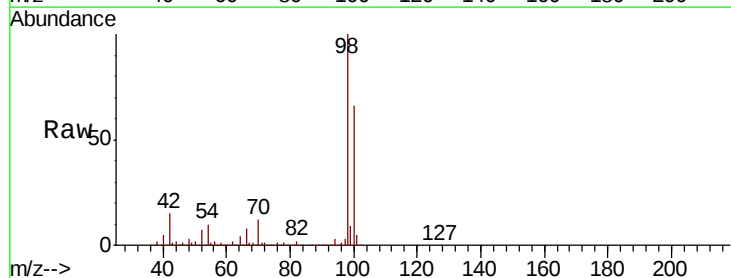


Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

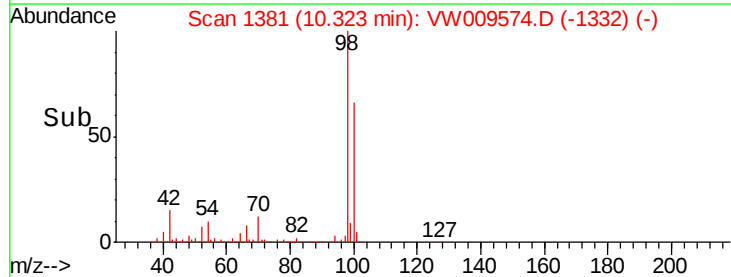
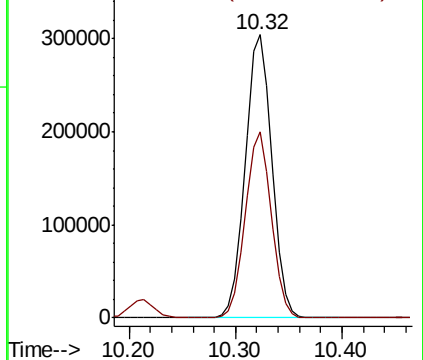


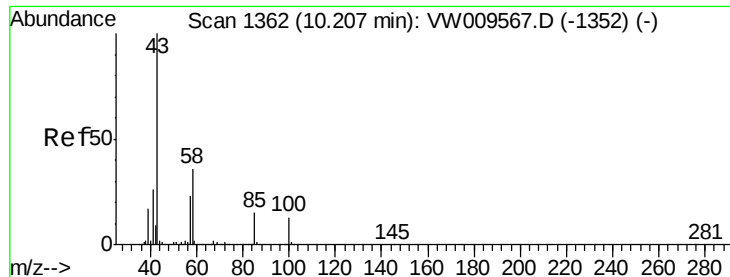
#50
Toluene-d8
Concen: 54.286 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW009574.D
Acq: 29 Mar 2019 16:25

Tgt Ion: 98 Resp: 535454
Ion Ratio Lower Upper
98 100
100 64.3 52.6 79.0



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





#51

4-Methyl-2-Pentanone

Concen: 114.022 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW009574.D

Acq: 29 Mar 2019 16:25

Instrument :

MSVOA_W

ClientSampleId :

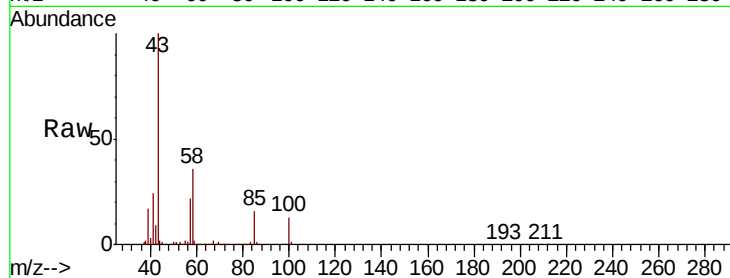
VW0329SBS01

Tgt Ion: 43 Resp: 249628

Ion Ratio Lower Upper

43 100

58 35.9 28.6 42.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

10.21

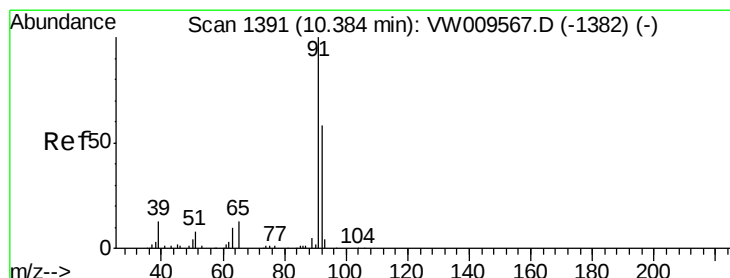
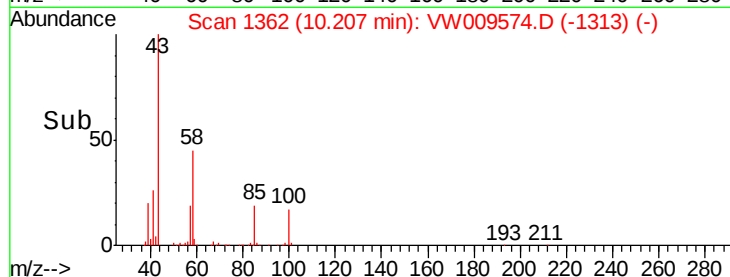
150000

100000

50000

0

Time--> 10.10 10.20 10.30



#52

Toluene

Concen: 22.772 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW009574.D

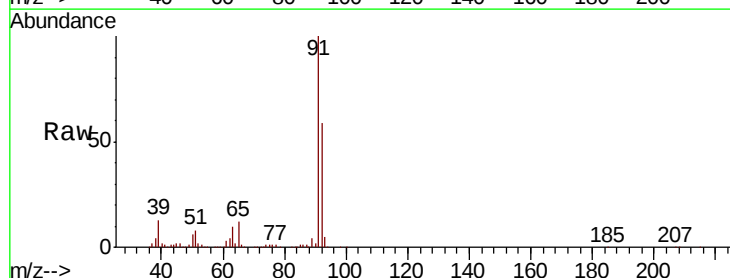
Acq: 29 Mar 2019 16:25

Tgt Ion: 92 Resp: 169759

Ion Ratio Lower Upper

92 100

91 173.4 140.1 210.1



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW

10.38

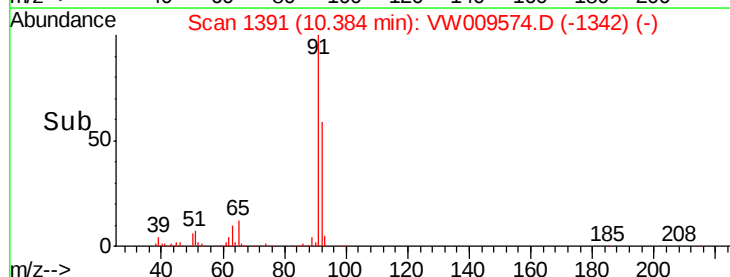
150000

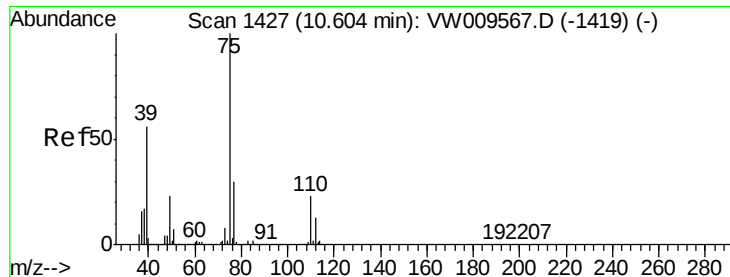
100000

50000

0

Time--> 10.30 10.40





#53

t-1,3-Dichloropropene

Concen: 21.756 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW009574.D

Acq: 29 Mar 2019 16:25

Instrument :

MSVOA_W

ClientSampleId :

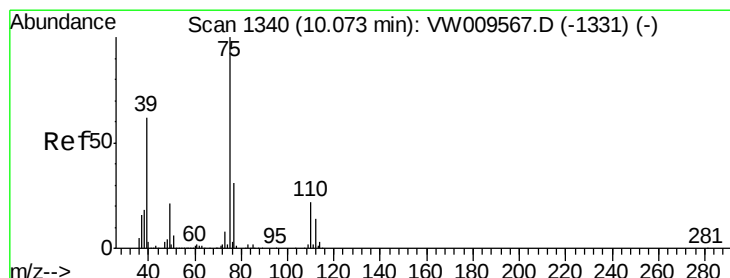
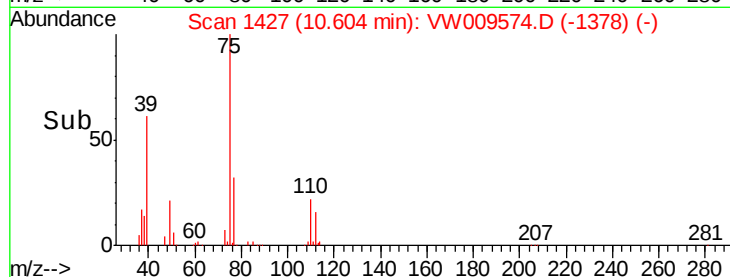
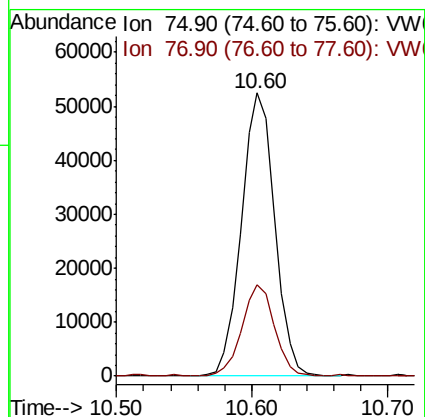
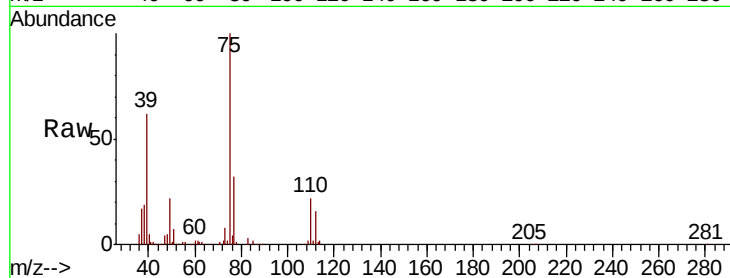
VW0329SBS01

Tgt Ion: 75 Resp: 89692

Ion Ratio Lower Upper

75 100

77 32.0 24.8 37.2



#54

cis-1,3-Dichloropropene

Concen: 22.727 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW009574.D

Acq: 29 Mar 2019 16:25

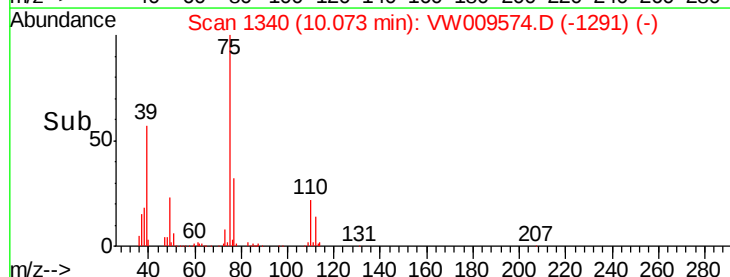
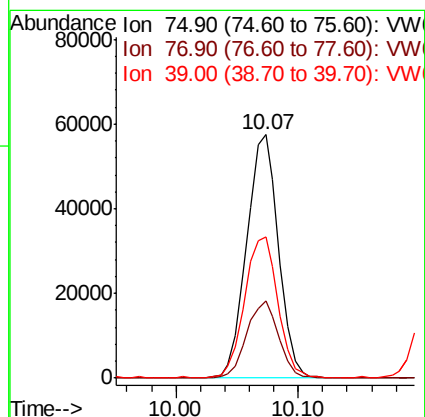
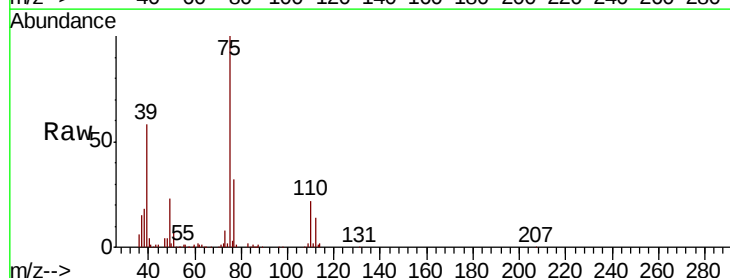
Tgt Ion: 75 Resp: 103887

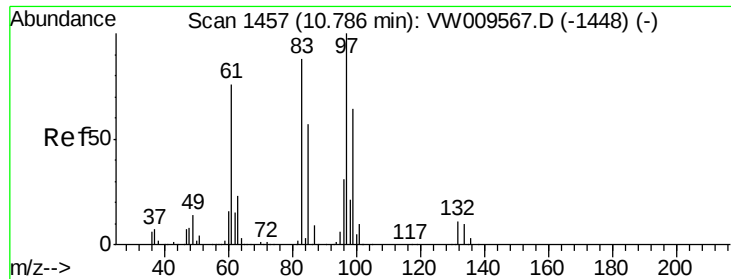
Ion Ratio Lower Upper

75 100

77 31.9 25.9 38.9

39 57.8 46.8 70.2

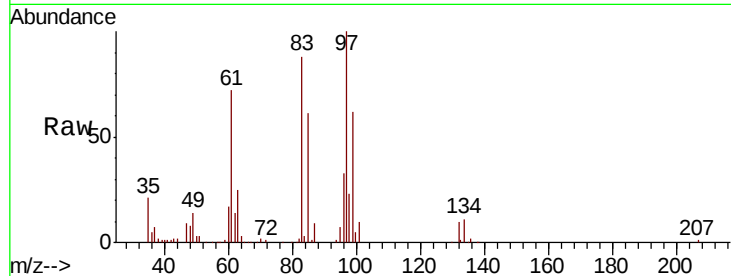




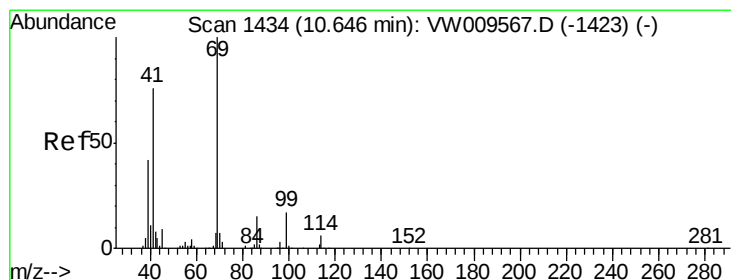
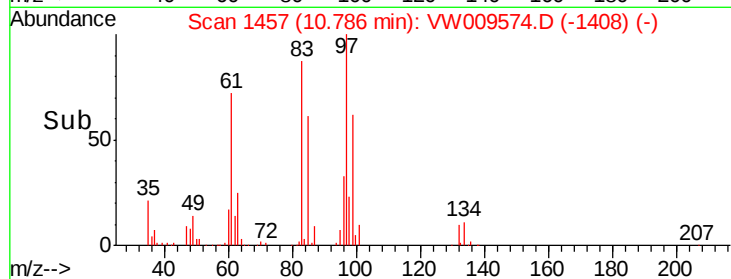
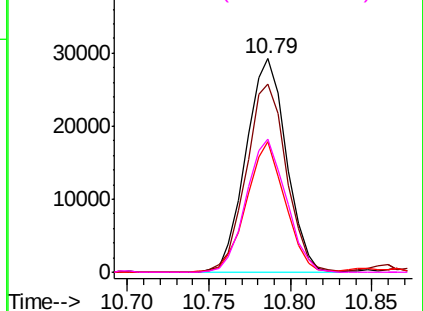
#55
 1,1,2-Trichloroethane
 Concen: 22.538 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW009574.D
 Acq: 29 Mar 2019 16:25

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0329SBS01

Tgt Ion:	97	Resp:	50283
Ion	Ratio	Lower	Upper
97	100		
83	87.8	66.3	99.5
85	60.8	41.4	62.2
99	62.4	48.7	73.1

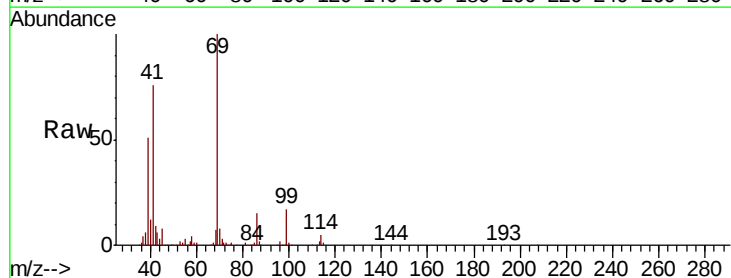


Abundance Ion 96.90 (96.60 to 97.60): VW
 Ion 82.90 (82.60 to 83.60): VW
 Ion 84.90 (84.60 to 85.60): VW
 Ion 98.90 (98.60 to 99.60): VW

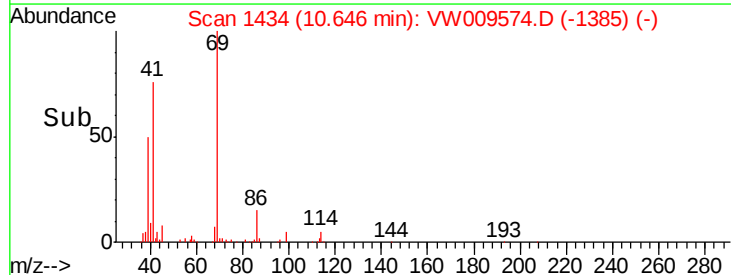
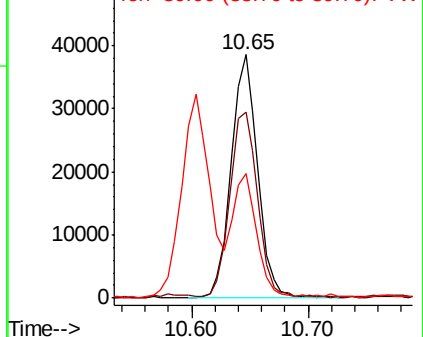


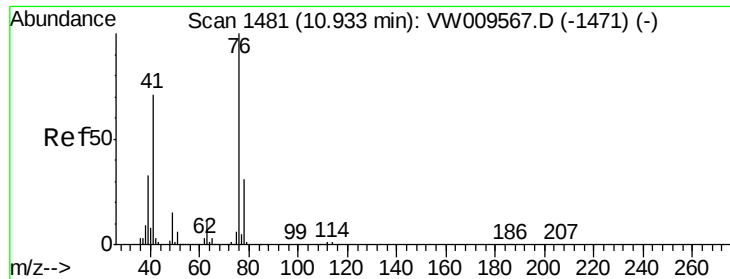
#56
 Ethyl methacrylate
 Concen: 22.115 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW009574.D
 Acq: 29 Mar 2019 16:25

Tgt Ion:	69	Resp:	61254
Ion	Ratio	Lower	Upper
69	100		
41	79.4	59.3	88.9
39	45.3	36.2	54.2



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





#57

1,3-Dichloropropane

Concen: 22.626 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. 0.00 min

Lab File: VW009574.D

Acq: 29 Mar 2019 16:25

Instrument :

MSVOA_W

ClientSampleId :

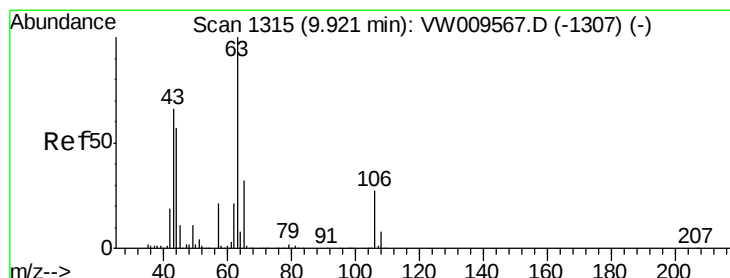
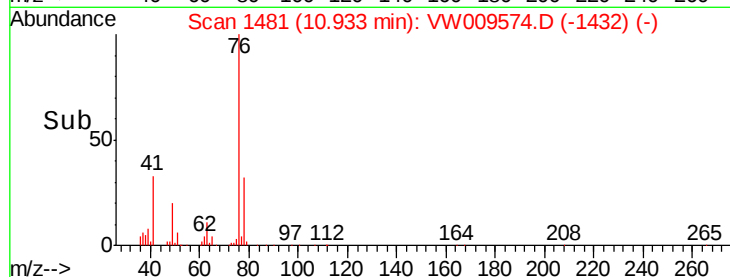
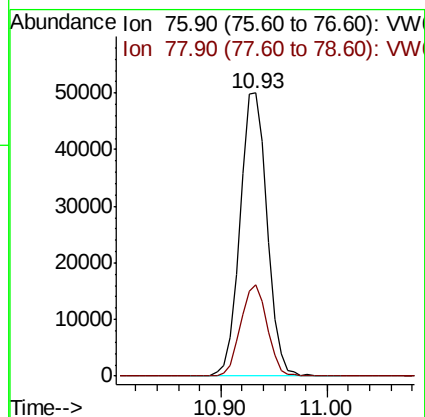
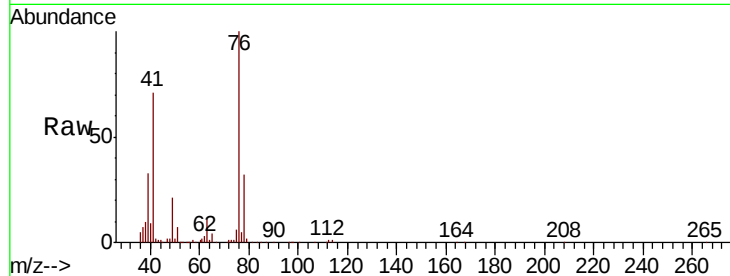
VW0329SBS01

Tgt Ion: 76 Resp: 89480

Ion Ratio Lower Upper

76 100

78 31.8 25.8 38.6



#58

2-Chloroethyl Vinyl ether

Concen: 112.452 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. 0.00 min

Lab File: VW009574.D

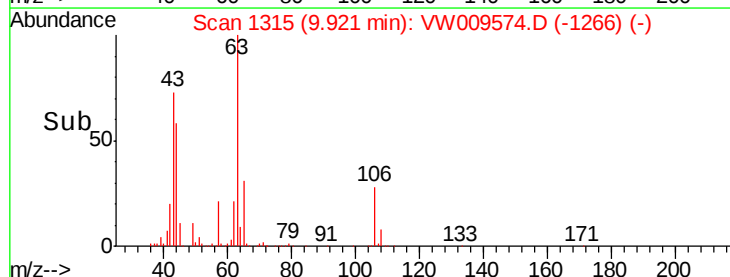
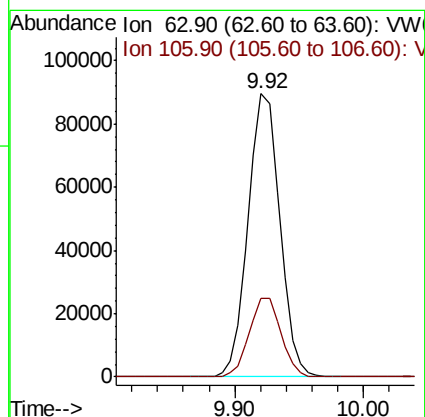
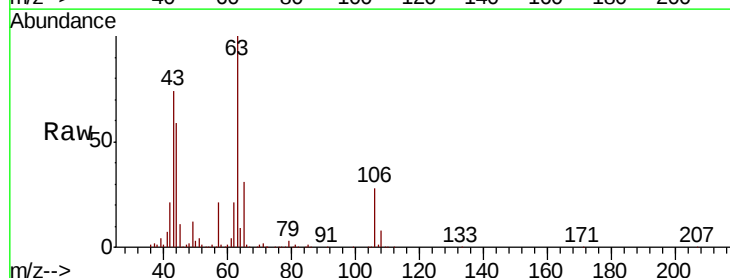
Acq: 29 Mar 2019 16:25

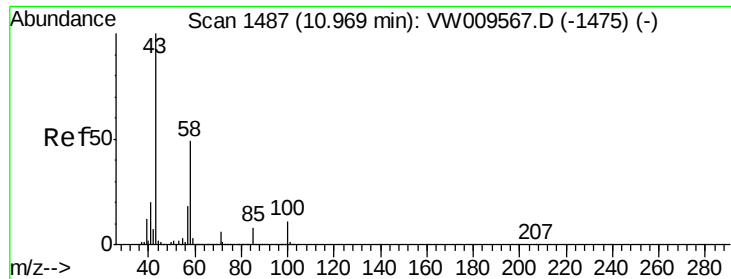
Tgt Ion: 63 Resp: 152473

Ion Ratio Lower Upper

63 100

106 27.8 22.9 34.3





#59

2-Hexanone

Concen: 118.749 ug/l

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW009574.D

Acq: 29 Mar 2019 16:25

Instrument :

MSVOA_W

ClientSampleId :

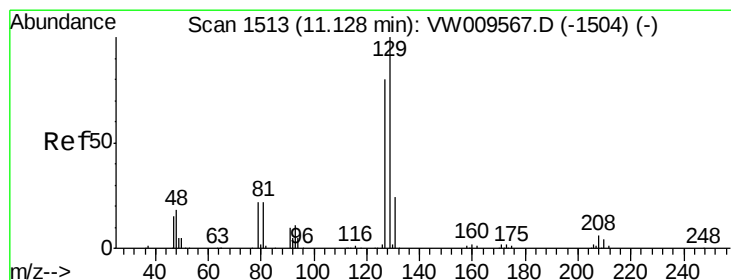
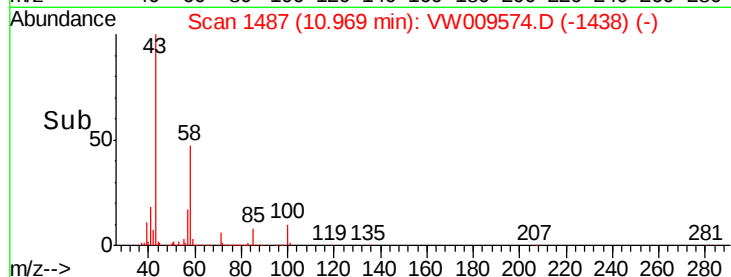
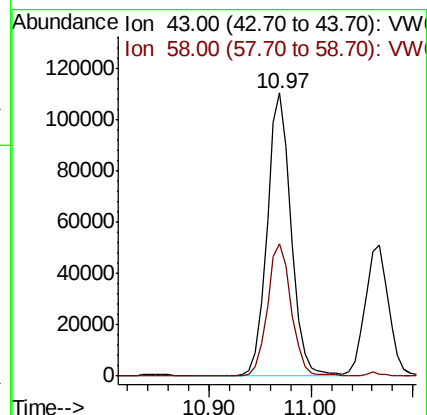
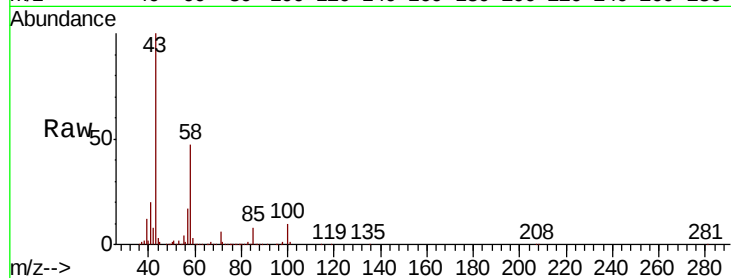
VW0329SBS01

Tgt Ion: 43 Resp: 179922

Ion Ratio Lower Upper

43 100

58 46.6 24.2 72.6



#60

Dibromochloromethane

Concen: 22.529 ug/l

RT: 11.13 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VW009574.D

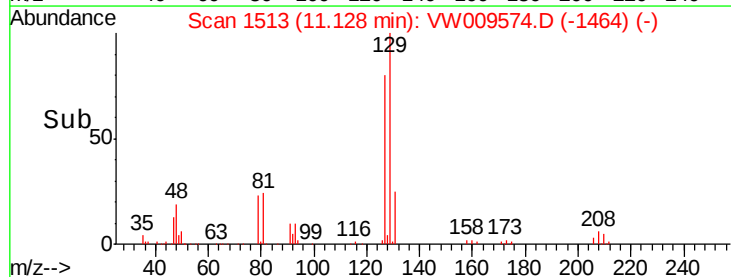
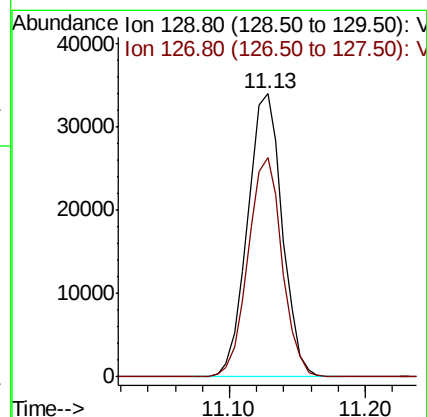
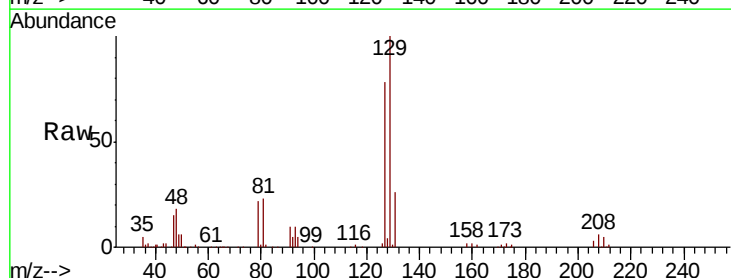
Acq: 29 Mar 2019 16:25

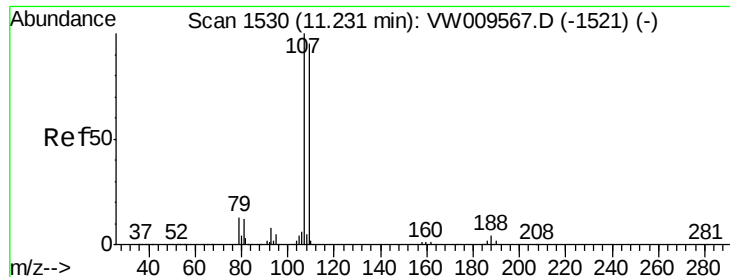
Tgt Ion: 129 Resp: 60692

Ion Ratio Lower Upper

129 100

127 75.9 38.1 114.5

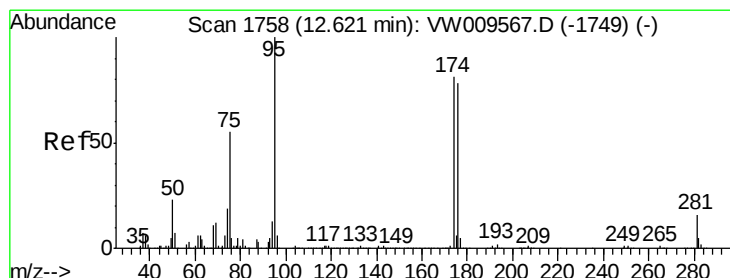
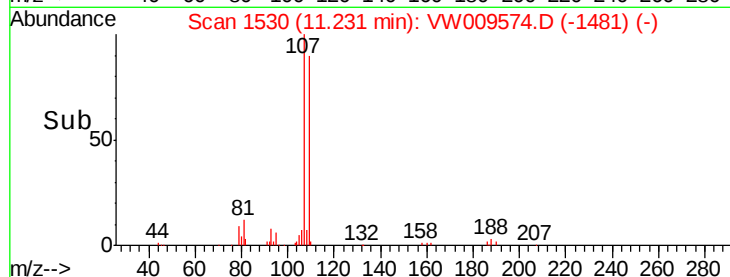
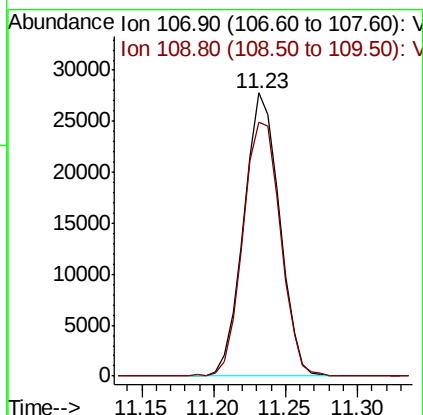
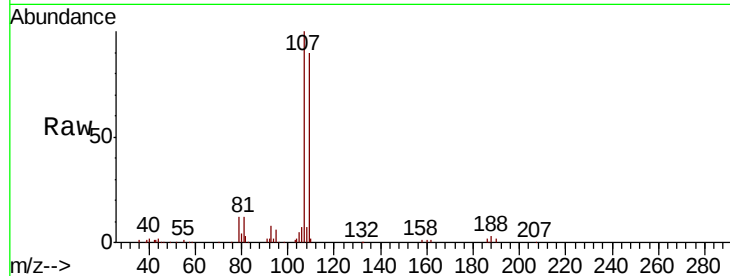




#61
 1,2-Dibromoethane
 Concen: 22.313 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. 0.00 min
 Lab File: VW009574.D
 Acq: 29 Mar 2019 16:25

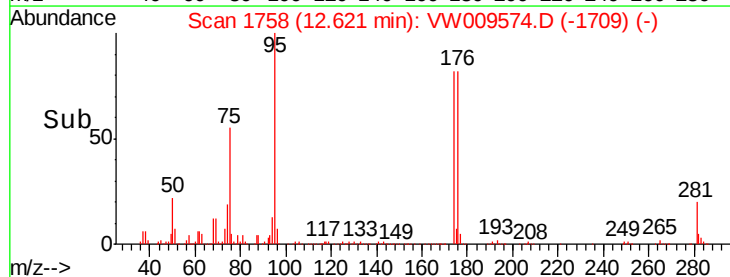
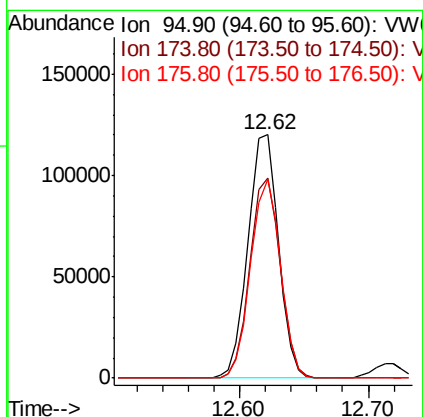
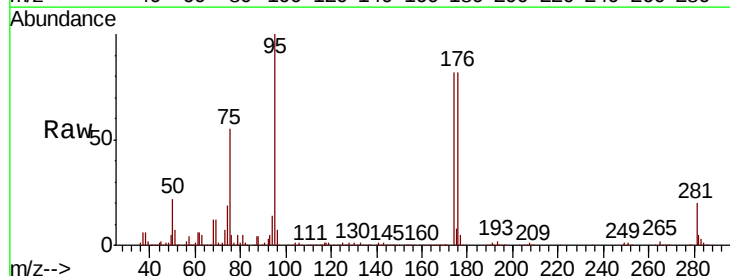
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0329SBS01

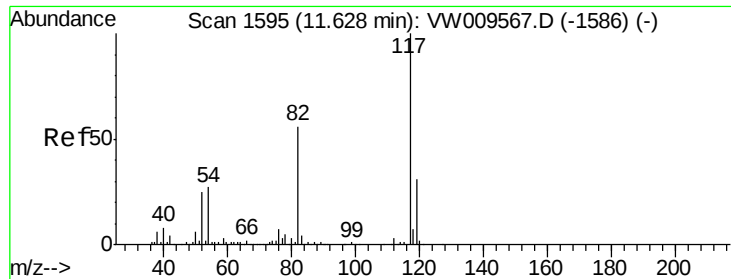
Tgt Ion: 107 Resp: 47739
 Ion Ratio Lower Upper
 107 100
 109 94.3 75.1 112.7



#62
 4-Bromofluorobenzene
 Concen: 53.409 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.00 min
 Lab File: VW009574.D
 Acq: 29 Mar 2019 16:25

Tgt Ion: 95 Resp: 196525
 Ion Ratio Lower Upper
 95 100
 174 81.5 0.0 168.4
 176 79.7 0.0 161.6

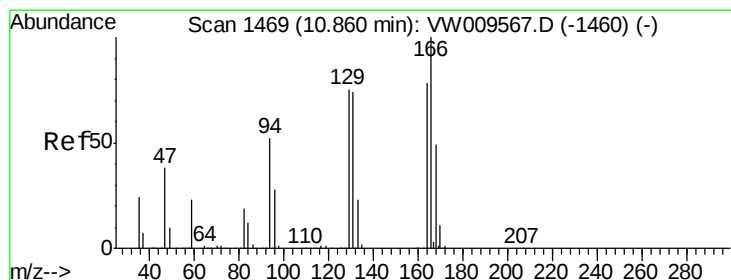
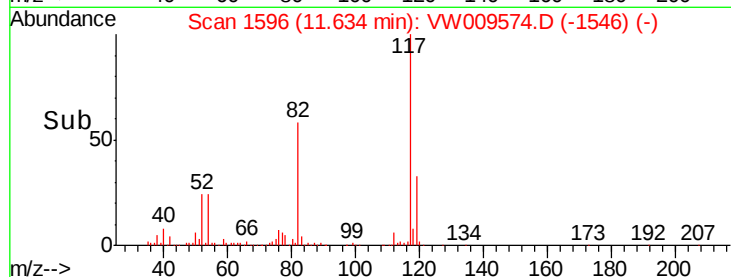
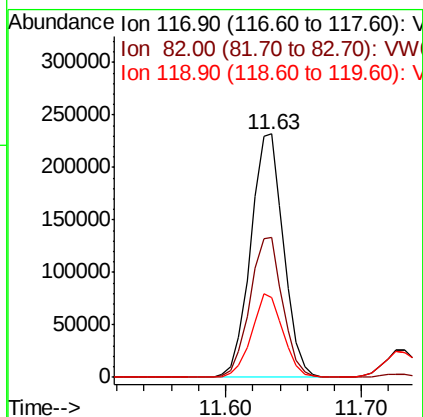
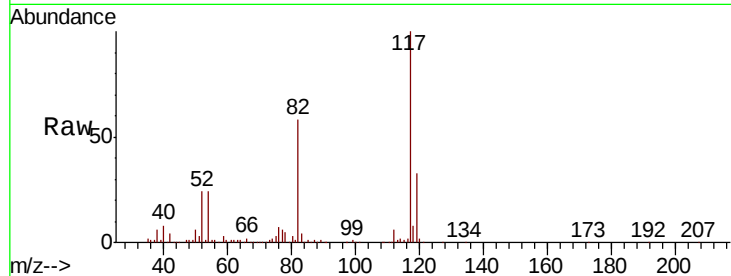




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.01 min
Lab File: VW009574.D
Acq: 29 Mar 2019 16:25

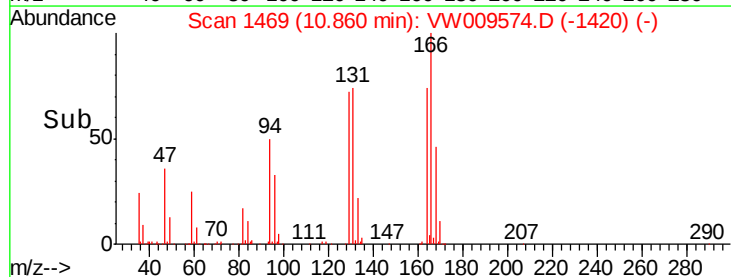
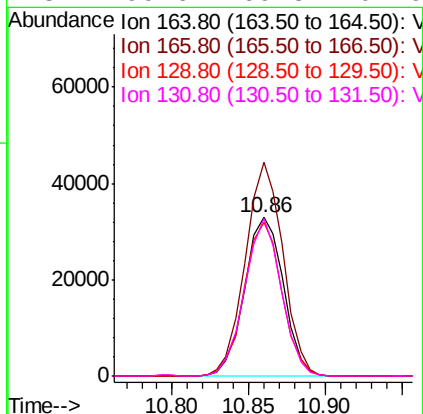
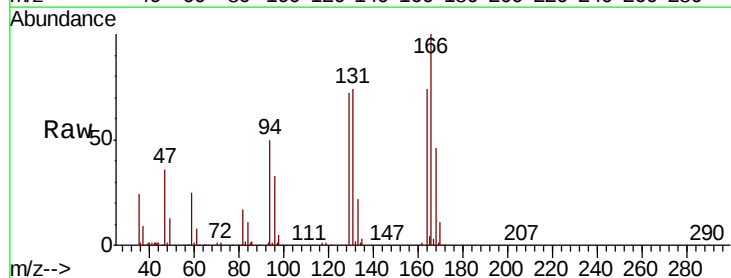
Instrument :
MSVOA_W
ClientSampleId :
VW0329SBS01

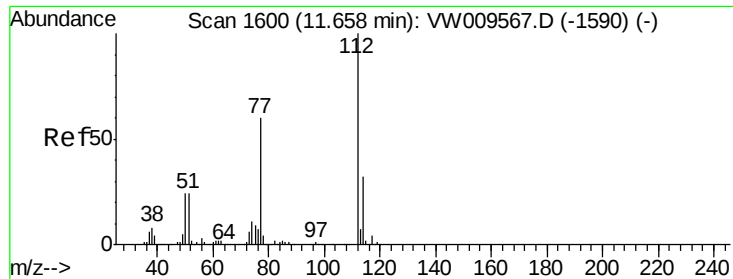
Tgt Ion:117 Resp: 393141
Ion Ratio Lower Upper
117 100
82 57.7 43.6 65.4
119 32.8 26.0 39.0



#64
Tetrachloroethene
Concen: 21.797 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW009574.D
Acq: 29 Mar 2019 16:25

Tgt Ion:164 Resp: 58182
Ion Ratio Lower Upper
164 100
166 135.0 100.9 151.3
129 97.0 72.0 108.0
131 99.6 69.8 104.6

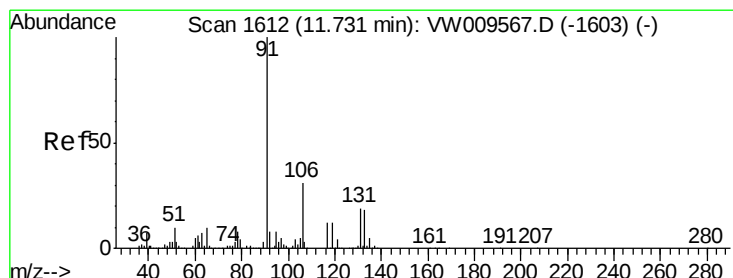
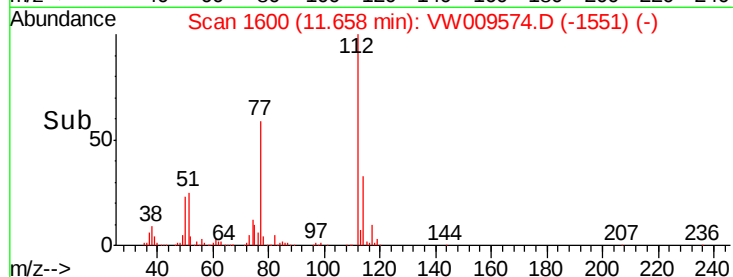
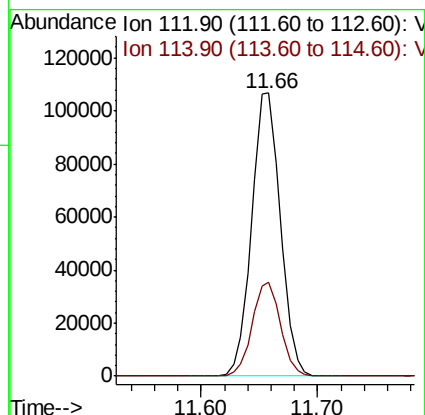
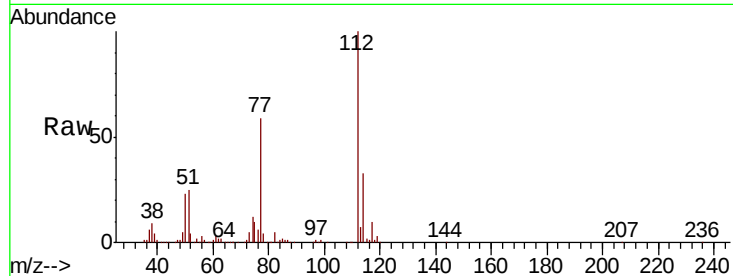




#65
Chlorobenzene
Concen: 22.161 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW009574.D
Acq: 29 Mar 2019 16:25

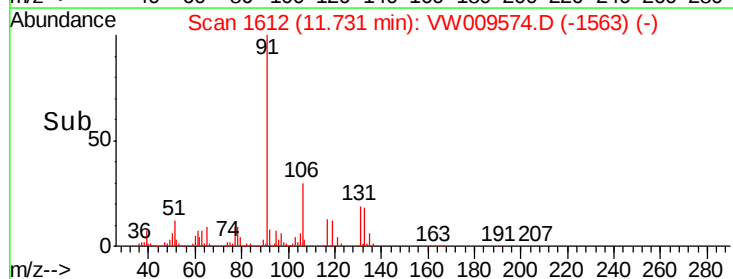
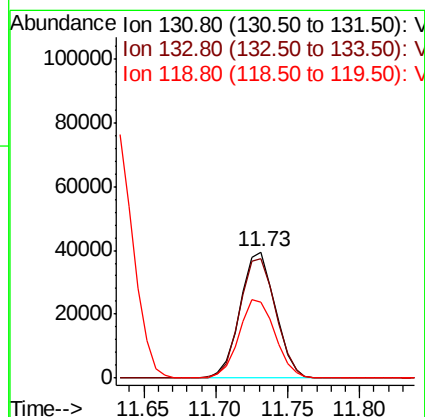
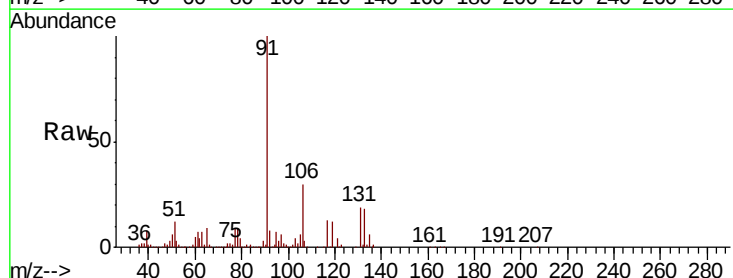
Instrument :
MSVOA_W
ClientSampleId :
VW0329SBS01

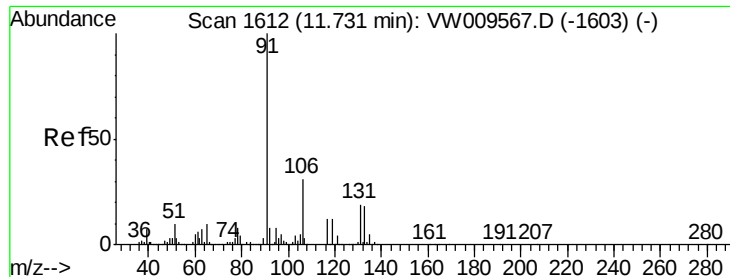
Tgt Ion:112 Resp: 183493
Ion Ratio Lower Upper
112 100
114 33.0 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 22.160 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW009574.D
Acq: 29 Mar 2019 16:25

Tgt Ion:131 Resp: 66855
Ion Ratio Lower Upper
131 100
133 97.1 47.3 141.8
119 64.4 31.6 95.0

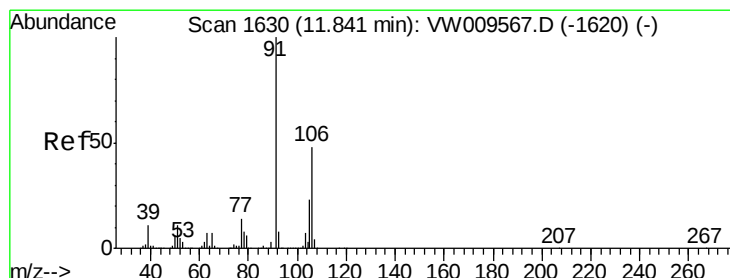
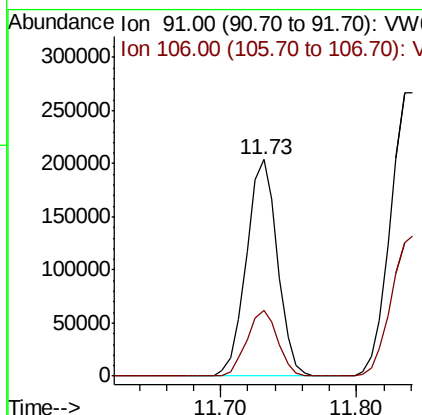
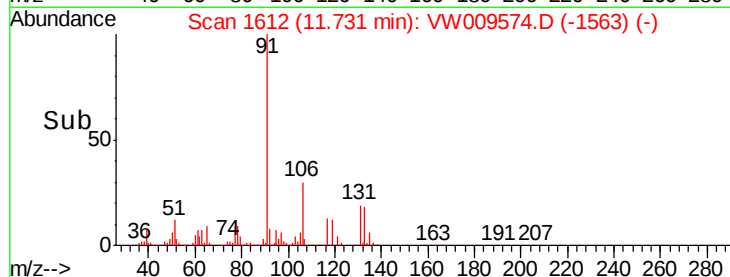
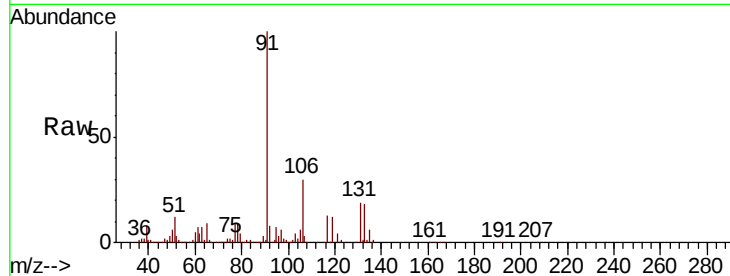




#67
Ethyl Benzene
Concen: 22.398 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW009574.D
Acq: 29 Mar 2019 16:25

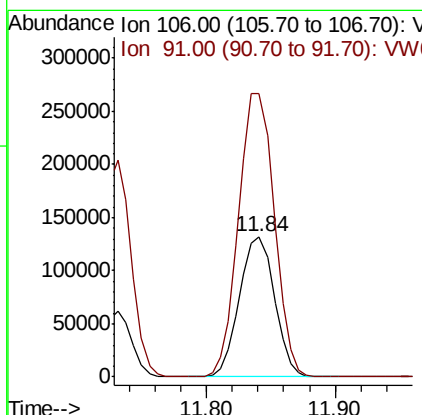
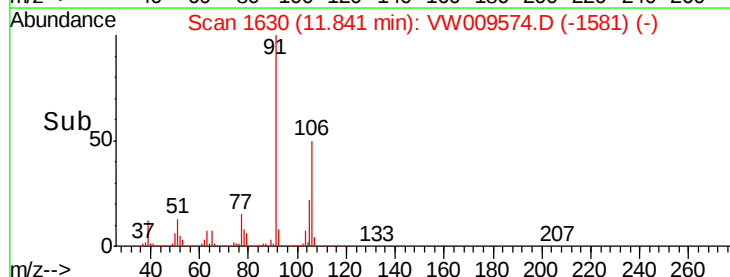
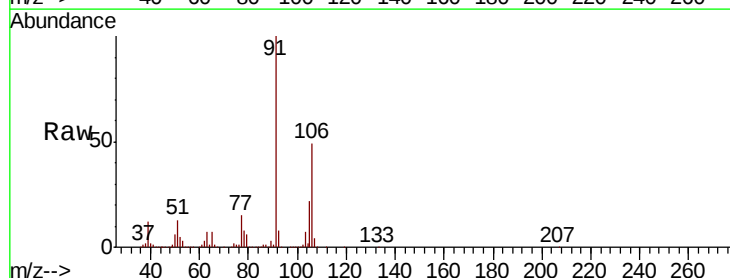
Instrument :
MSVOA_W
ClientSampleId :
VW0329SBS01

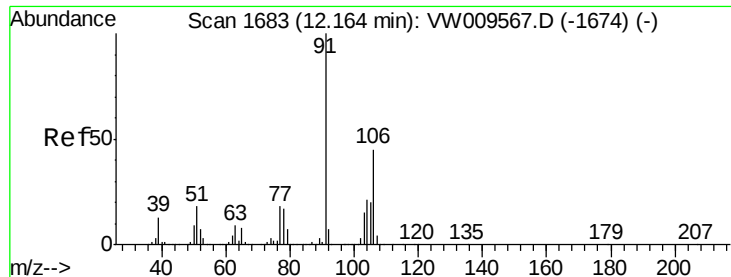
Tgt Ion: 91 Resp: 326740
Ion Ratio Lower Upper
91 100
106 30.1 24.6 36.8



#68
m/p-Xylenes
Concen: 45.086 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW009574.D
Acq: 29 Mar 2019 16:25

Tgt Ion: 106 Resp: 249738
Ion Ratio Lower Upper
106 100
91 206.5 163.1 244.7

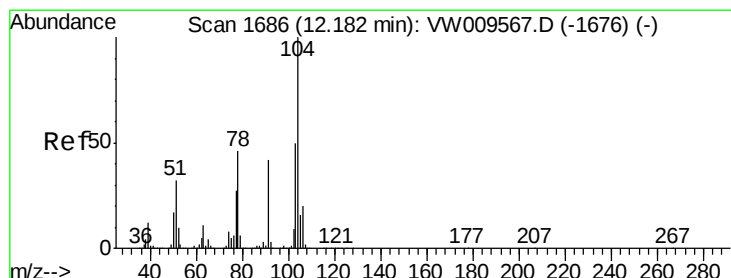
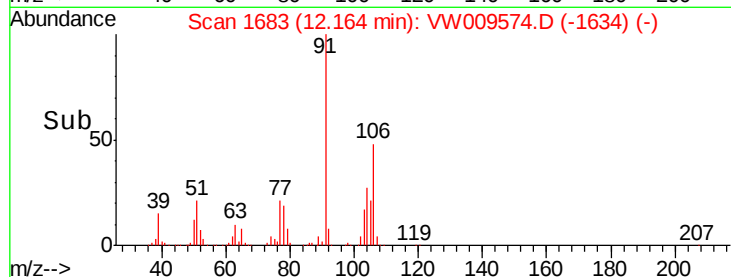
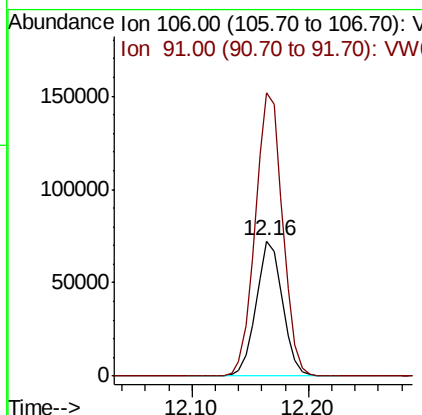
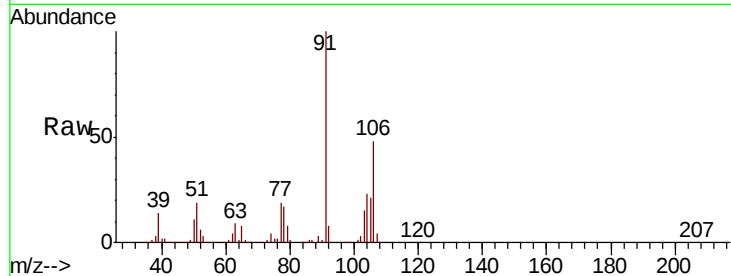




#69
o-Xylene
Concen: 22.191 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW009574.D
Acq: 29 Mar 2019 16:25

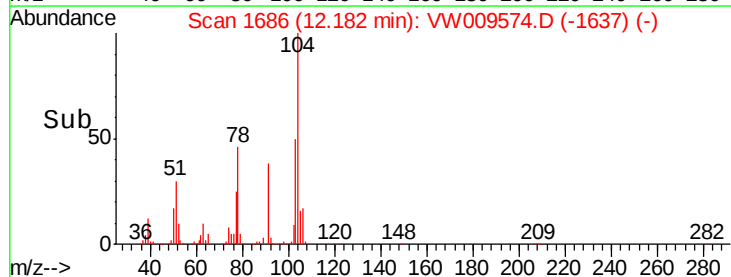
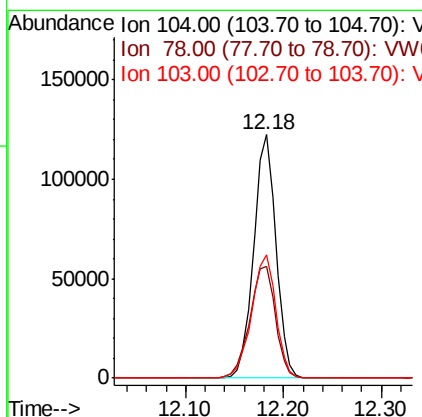
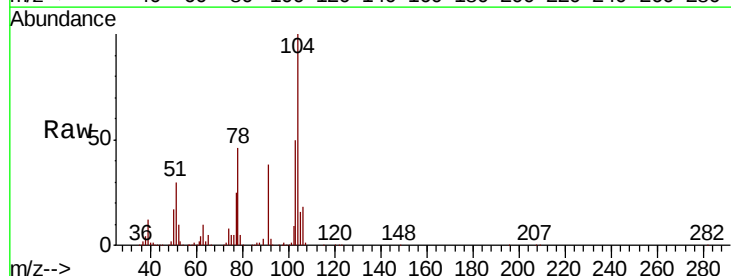
Instrument :
MSVOA_W
ClientSampleId :
VW0329SBS01

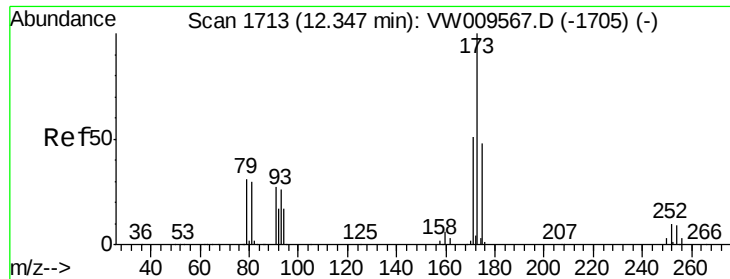
Tgt Ion:106 Resp: 114471
Ion Ratio Lower Upper
106 100
91 218.0 108.6 325.8



#70
Styrene
Concen: 22.589 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW009574.D
Acq: 29 Mar 2019 16:25

Tgt Ion:104 Resp: 194633
Ion Ratio Lower Upper
104 100
78 52.7 42.2 63.4
103 55.2 44.6 66.8





#71

Bromoform

Concen: 22.764 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW009574.D

Acq: 29 Mar 2019 16:25

Instrument :

MSVOA_W

ClientSampleId :

VW0329SBS01

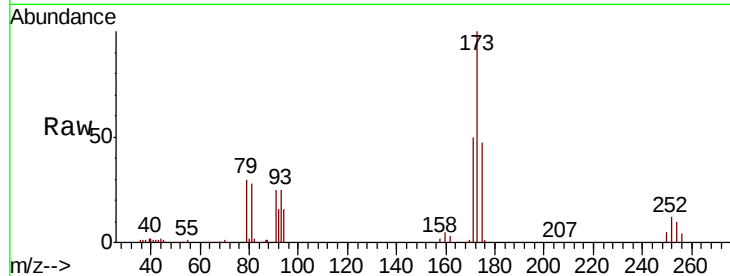
Tgt Ion:173 Resp: 36959

Ion Ratio Lower Upper

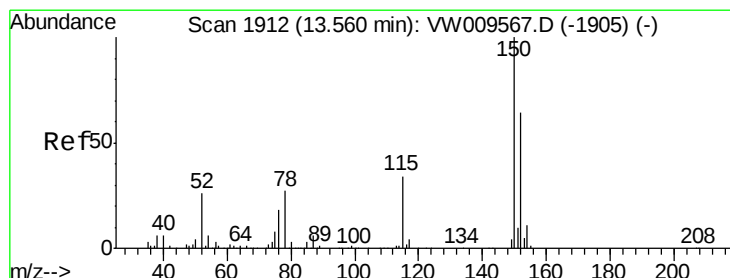
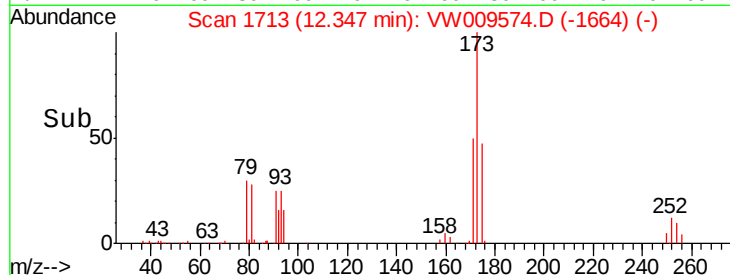
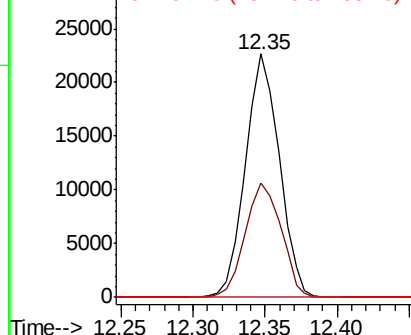
173 100

175 49.8 24.1 72.4

254 0.0 0.2 0.4#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW009574.D

Acq: 29 Mar 2019 16:25

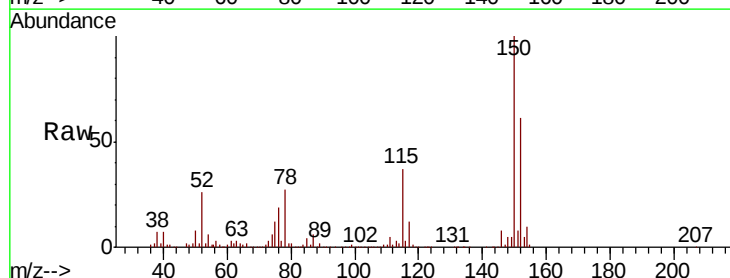
Tgt Ion:152 Resp: 218518

Ion Ratio Lower Upper

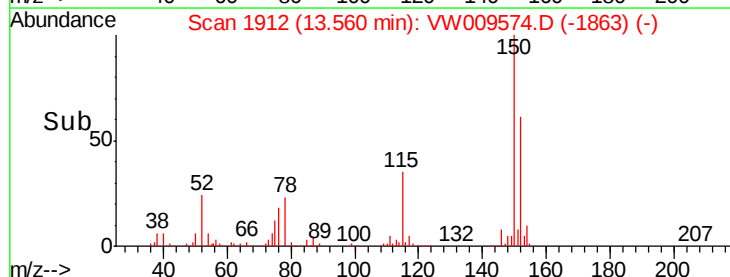
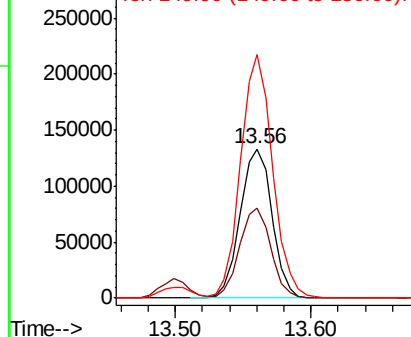
152 100

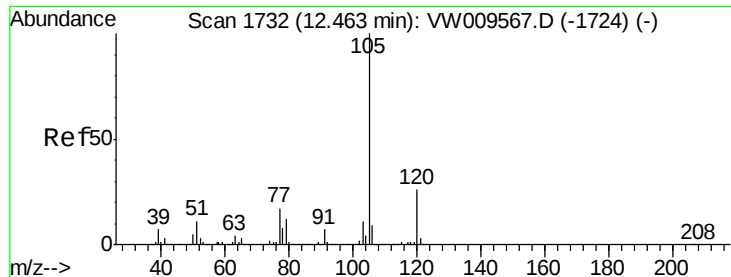
115 59.0 29.6 88.8

150 163.6 0.0 349.2



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





#73

Isopropylbenzene

Concen: 21.725 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW009574.D

Acq: 29 Mar 2019 16:25

Instrument :

MSVOA_W

ClientSampleId :

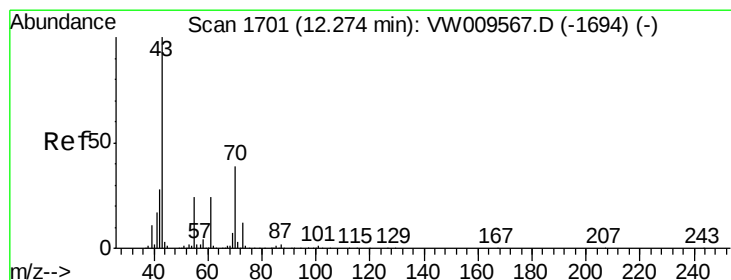
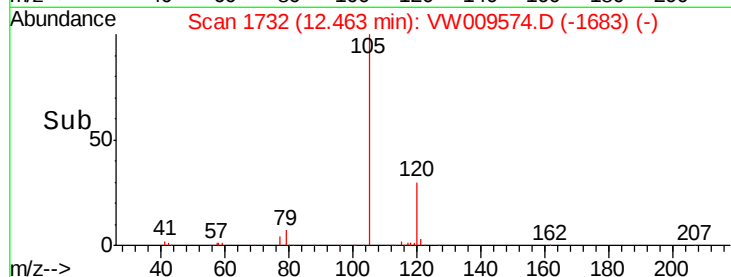
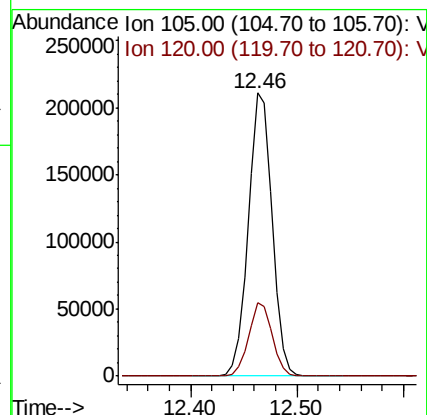
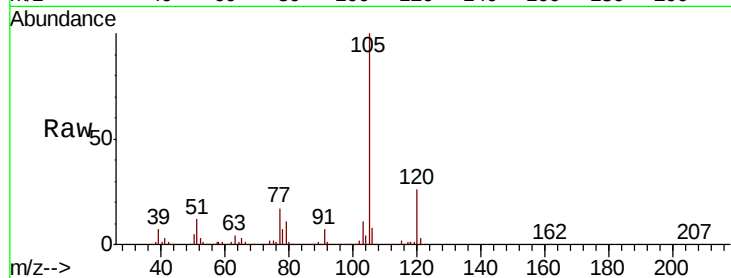
VW0329SBS01

Tgt Ion:105 Resp: 330376

Ion Ratio Lower Upper

105 100

120 25.7 13.0 39.0



#74

N-ethyl acetate

Concen: 22.489 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW009574.D

Acq: 29 Mar 2019 16:25

Tgt Ion: 43 Resp: 90157

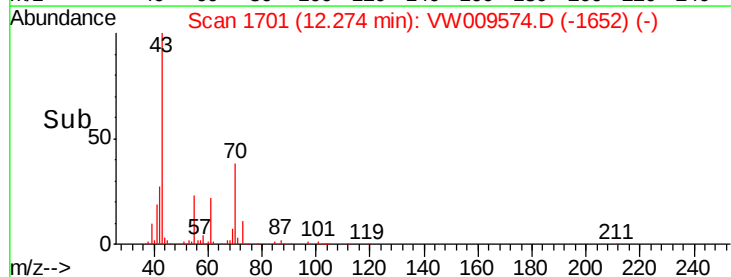
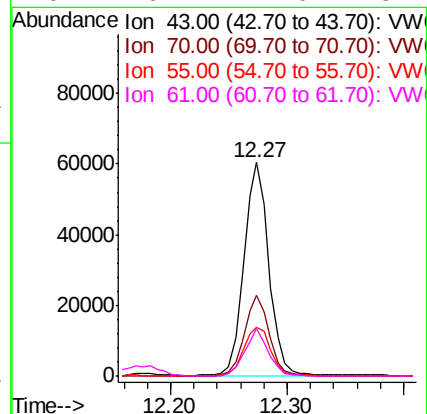
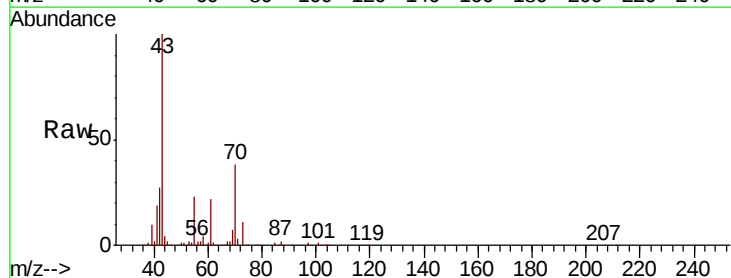
Ion Ratio Lower Upper

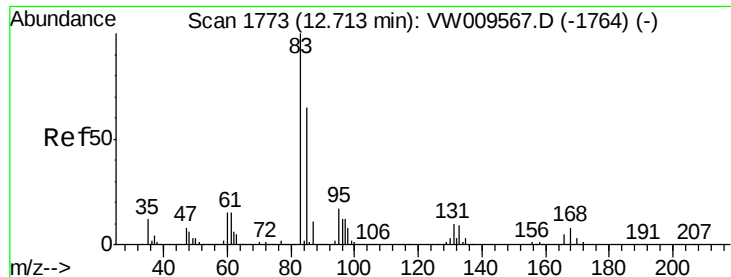
43 100

70 36.9 30.6 46.0

55 24.8 19.3 28.9

61 20.7 17.0 25.4





#75

1,1,2,2-Tetrachloroethane

Concen: 22.655 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW009574.D

Acq: 29 Mar 2019 16:25

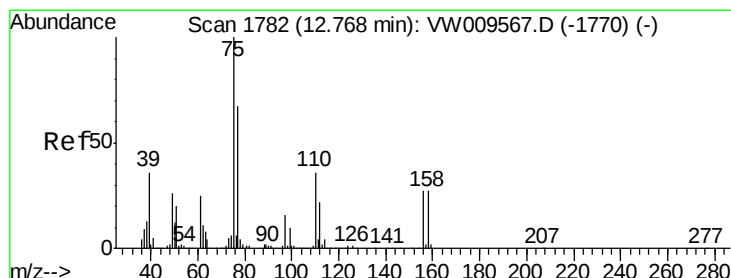
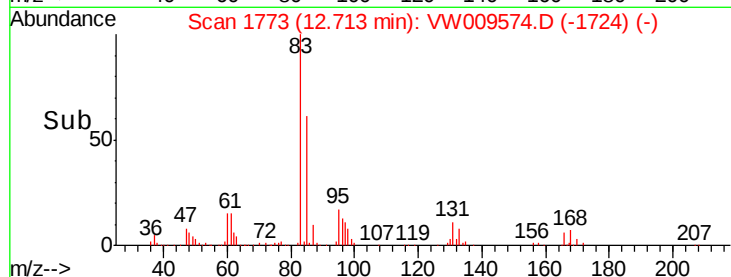
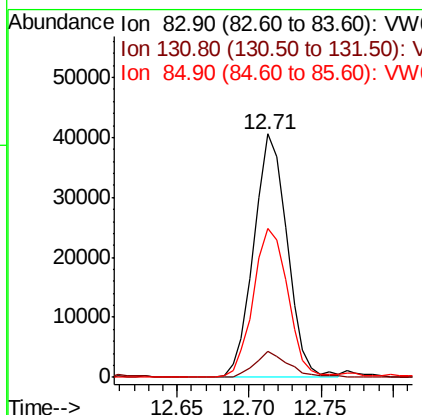
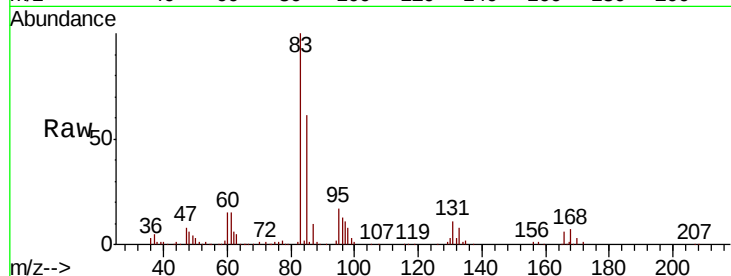
Instrument :

MSVOA_W

ClientSampleId :

VW0329SBS01

Tgt Ion:	83	Resp:	65153
Ion	Ratio	Lower	Upper
83	100		
131	10.7	5.3	16.1
85	63.4	32.6	97.8



#76

1,2,3-Trichloropropane

Concen: 22.492 ug/l

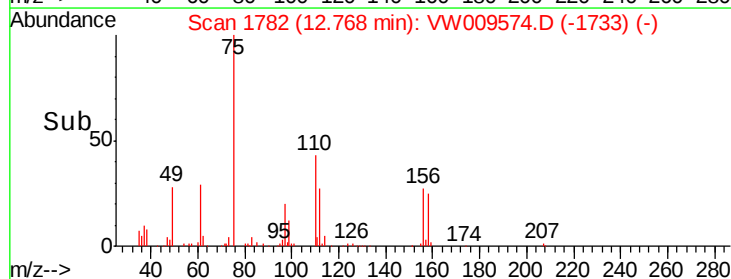
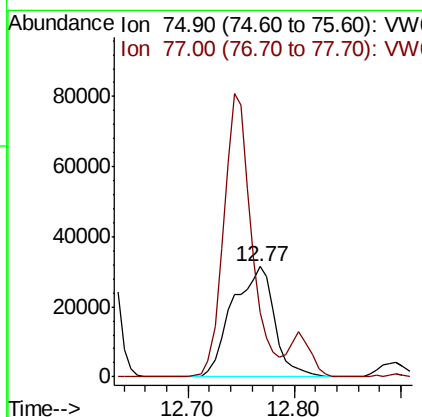
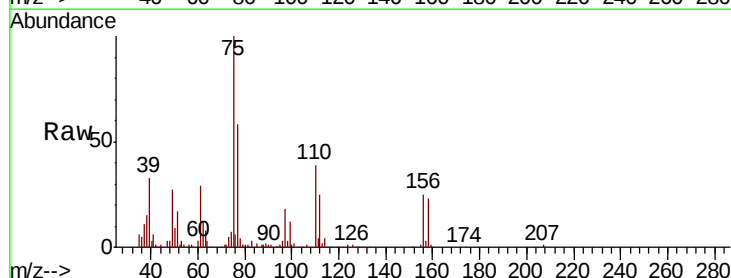
RT: 12.77 min Scan# 1782

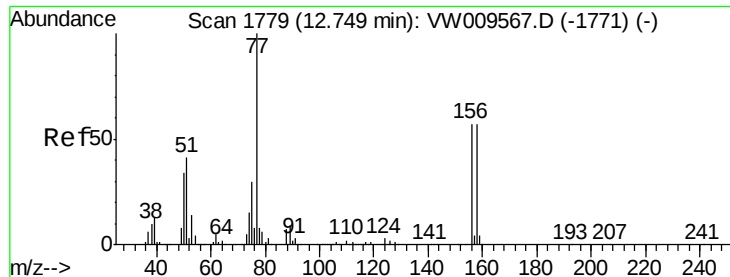
Delta R.T. 0.00 min

Lab File: VW009574.D

Acq: 29 Mar 2019 16:25

Tgt Ion:	75	Resp:	87069
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

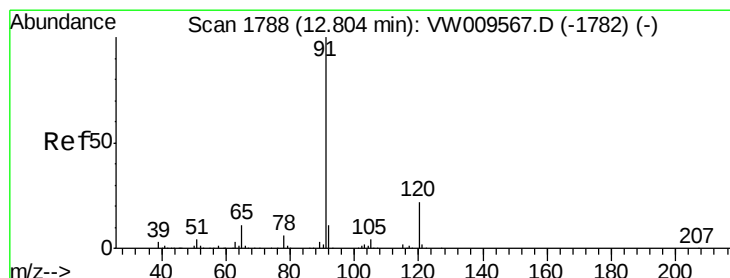
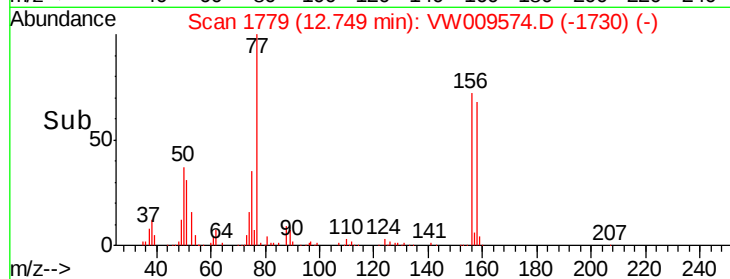
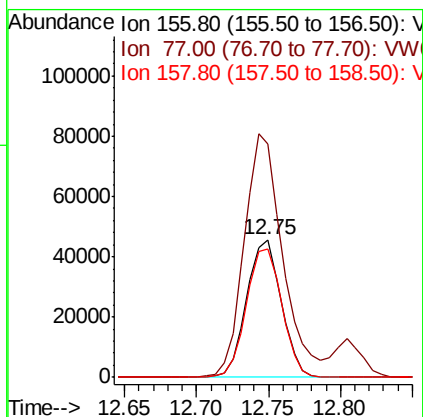
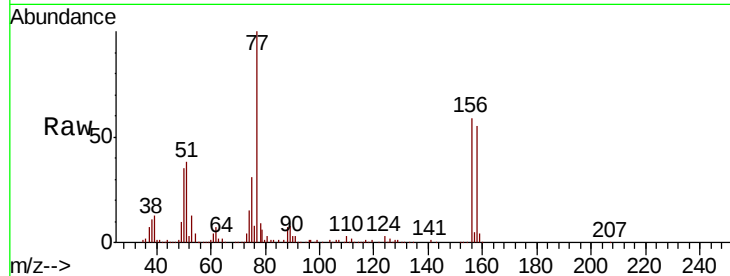




#77
Bromobenzene
Concen: 21.617 ug/l
RT: 12.75 min Scan# 1779
Delta R.T. 0.00 min
Lab File: VW009574.D
Acq: 29 Mar 2019 16:25

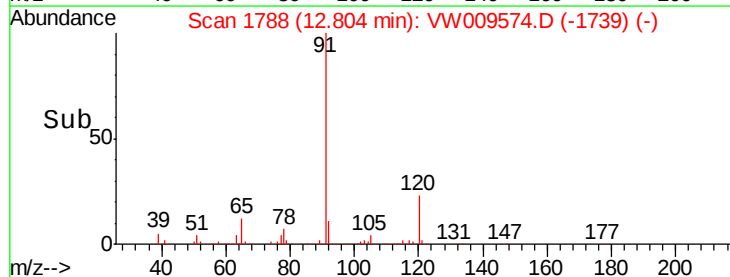
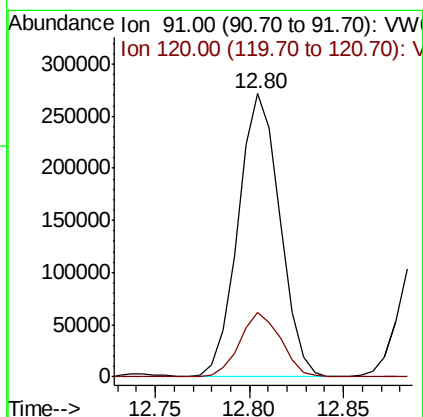
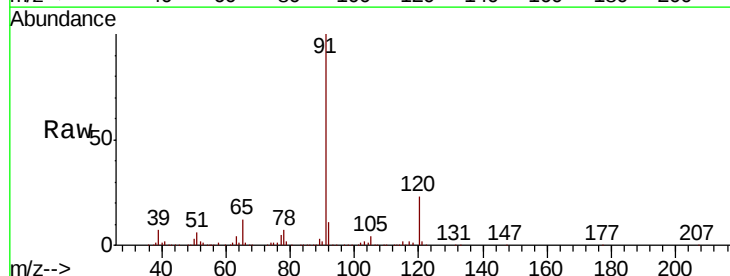
Instrument :
MSVOA_W
ClientSampleId :
VW0329SBS01

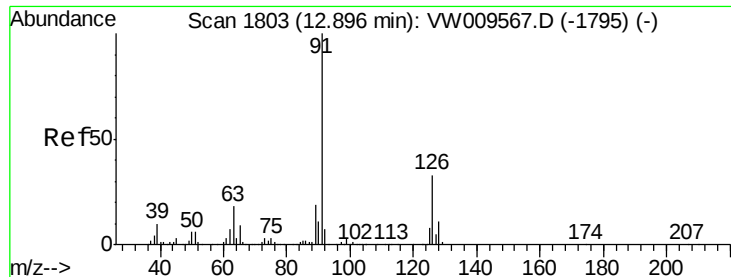
Tgt Ion: 156 Resp: 75703
Ion Ratio Lower Upper
156 100
77 196.2 96.0 288.0
158 95.8 49.1 147.3



#78
n-propylbenzene
Concen: 22.192 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. 0.00 min
Lab File: VW009574.D
Acq: 29 Mar 2019 16:25

Tgt Ion: 91 Resp: 416154
Ion Ratio Lower Upper
91 100
120 22.4 11.1 33.3





#79

2-Chlorotoluene

Concen: 21.935 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.01 min

Lab File: VW009574.D

Acq: 29 Mar 2019 16:25

Instrument :

MSVOA_W

ClientSampleId :

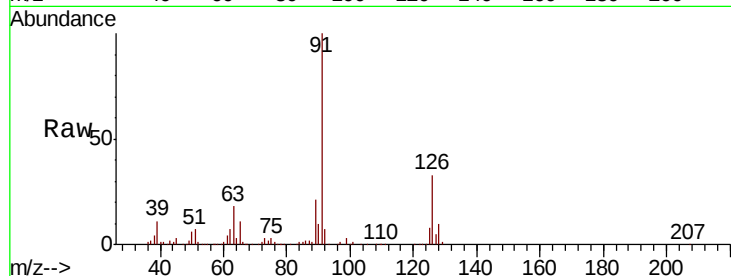
VW0329SBS01

Tgt Ion: 91 Resp: 233754

Ion Ratio Lower Upper

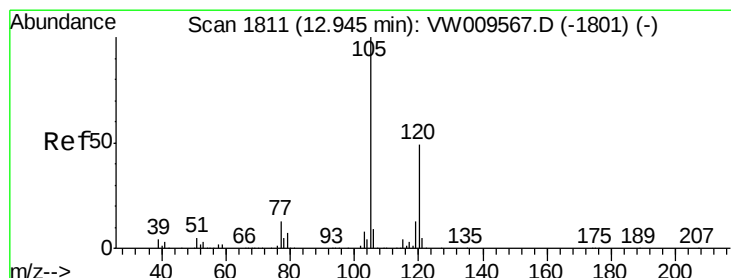
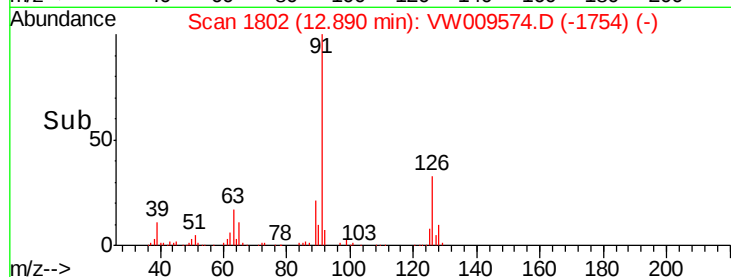
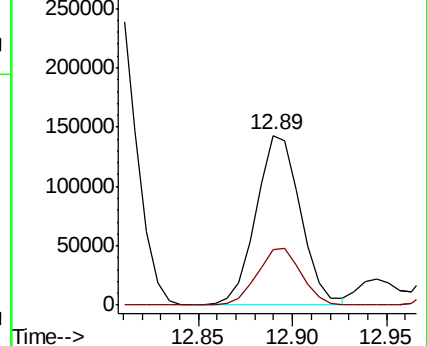
91 100

126 33.4 17.0 51.0



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 22.171 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW009574.D

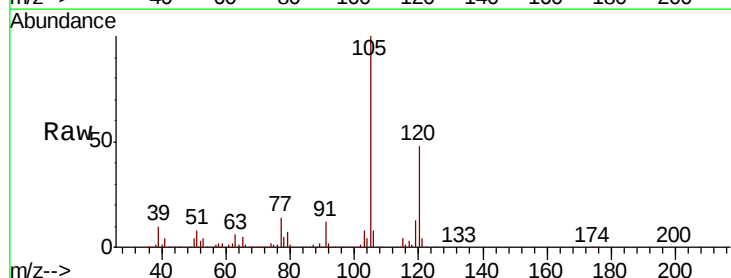
Acq: 29 Mar 2019 16:25

Tgt Ion:105 Resp: 283944

Ion Ratio Lower Upper

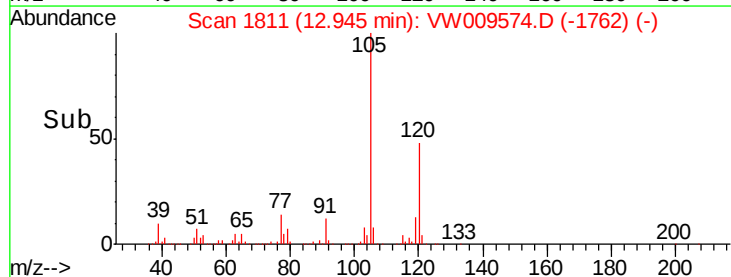
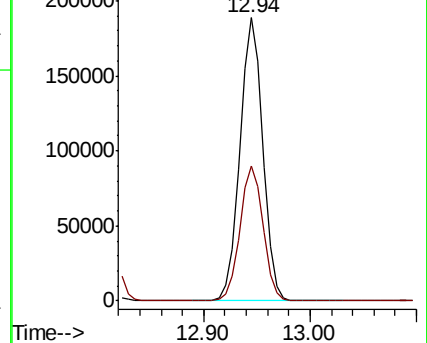
105 100

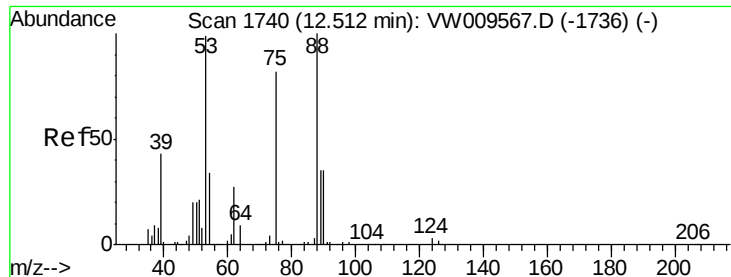
120 48.3 24.6 74.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 20.828 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW009574.D

Acq: 29 Mar 2019 16:25

Instrument :

MSVOA_W

ClientSampleId :

VW0329SBS01

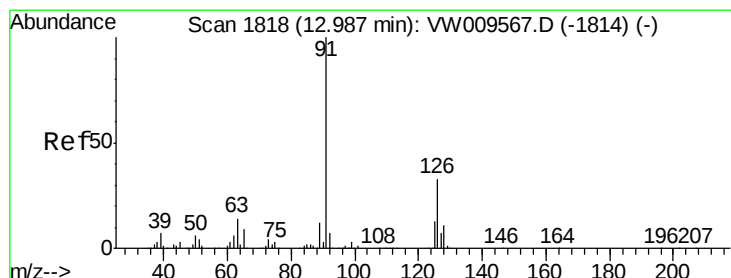
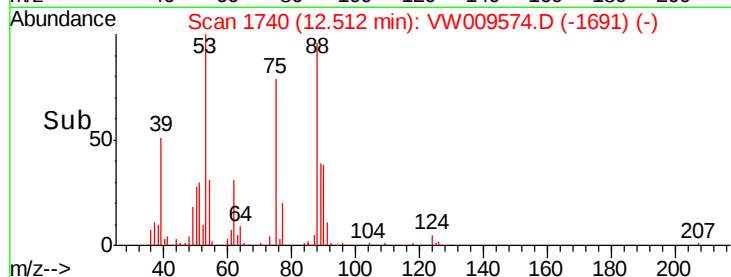
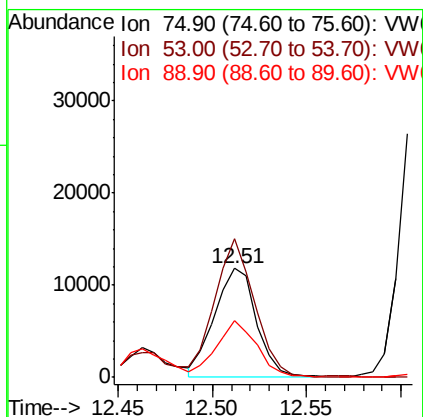
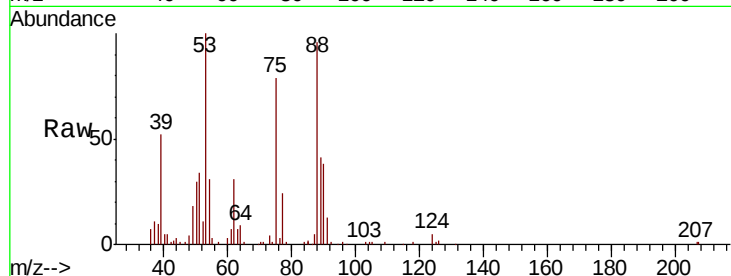
Tgt Ion: 75 Resp: 18405

Ion Ratio Lower Upper

75 100

53 120.1 86.7 130.1

89 50.0 36.4 54.6



#82

4-Chlorotoluene

Concen: 22.033 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. 0.00 min

Lab File: VW009574.D

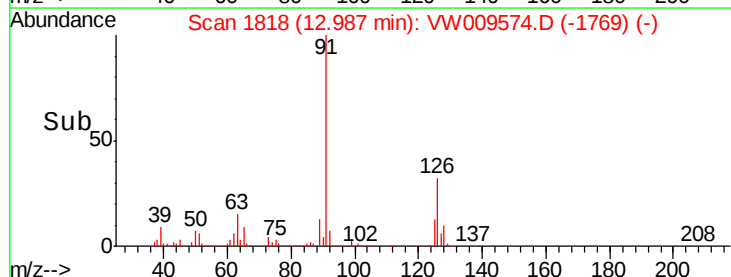
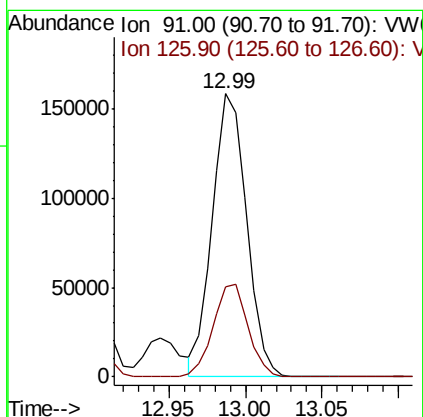
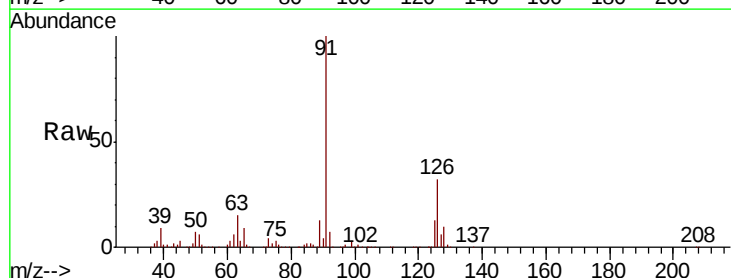
Acq: 29 Mar 2019 16:25

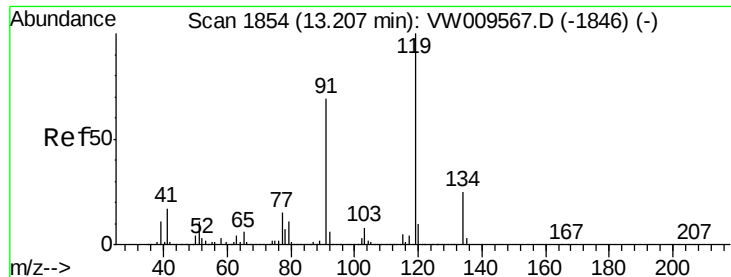
Tgt Ion: 91 Resp: 247106

Ion Ratio Lower Upper

91 100

126 33.2 16.9 50.6

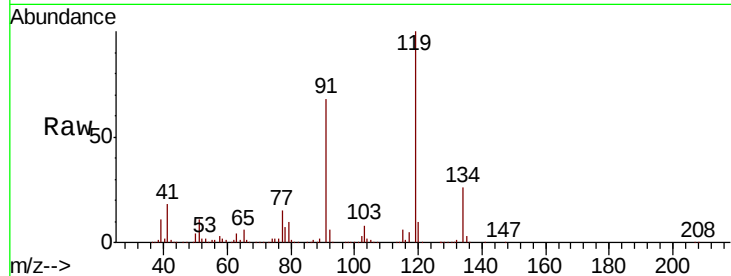




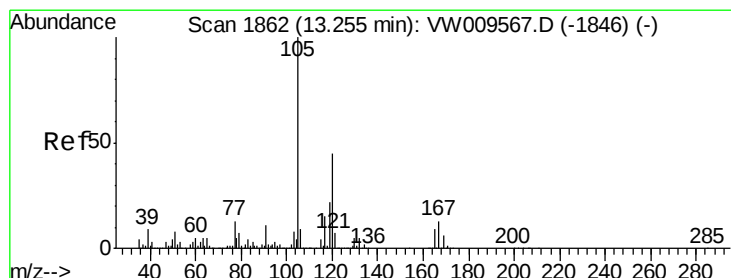
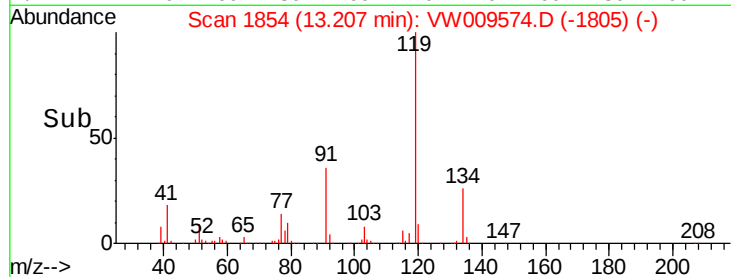
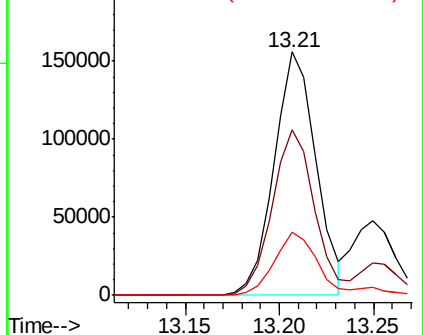
#83
 tert-Butylbenzene
 Concen: 22.081 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: VW009574.D
 Acq: 29 Mar 2019 16:25

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0329SBS01

Tgt Ion:119 Resp: 240726
 Ion Ratio Lower Upper
 119 100
 91 69.2 34.4 103.2
 134 26.0 12.7 38.1

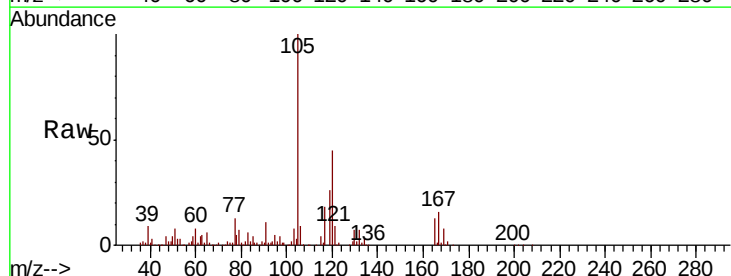


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): VW
 Ion 134.00 (133.70 to 134.70): V

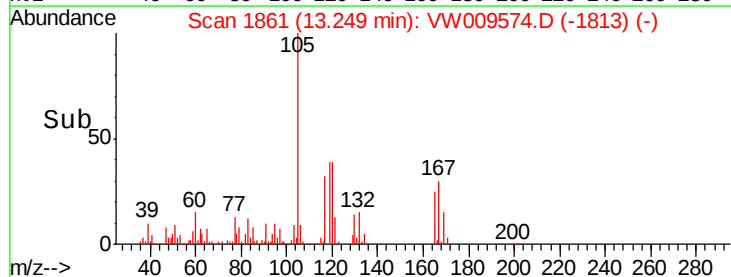
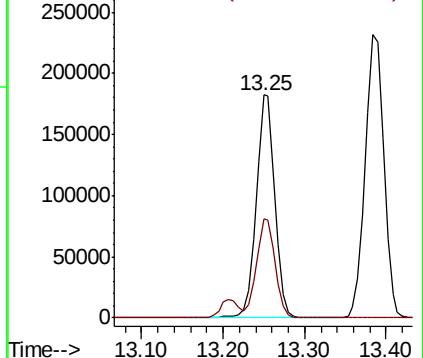


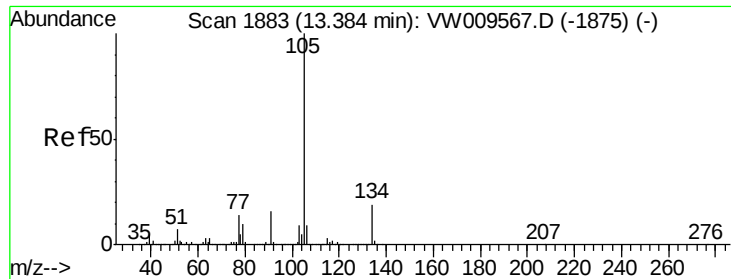
#84
 1,2,4-Trimethylbenzene
 Concen: 22.274 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.01 min
 Lab File: VW009574.D
 Acq: 29 Mar 2019 16:25

Tgt Ion:105 Resp: 293250
 Ion Ratio Lower Upper
 105 100
 120 44.6 22.8 68.3



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

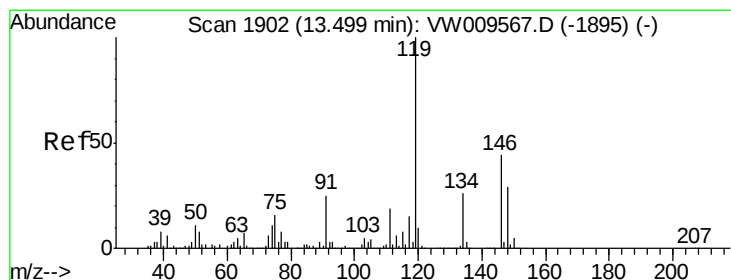
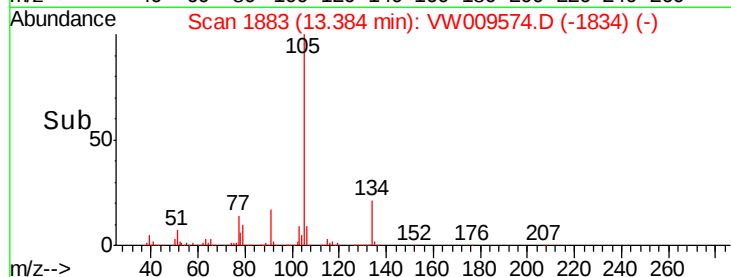
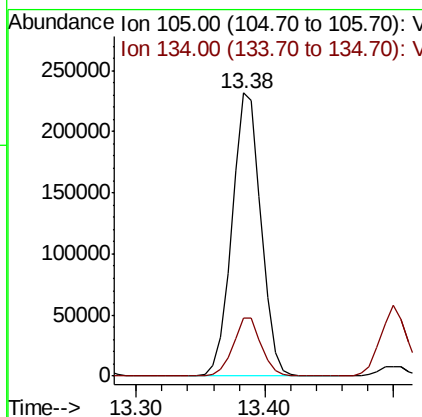
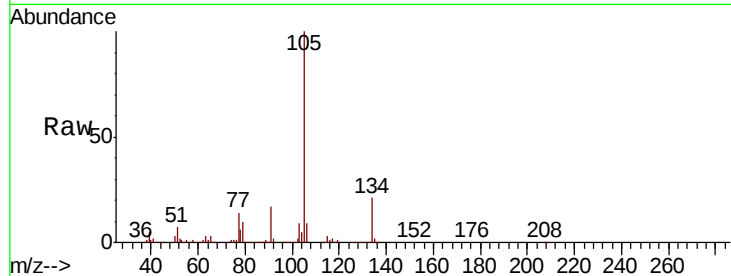




#85
 sec-Butylbenzene
 Concen: 21.975 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VW009574.D
 Acq: 29 Mar 2019 16:25

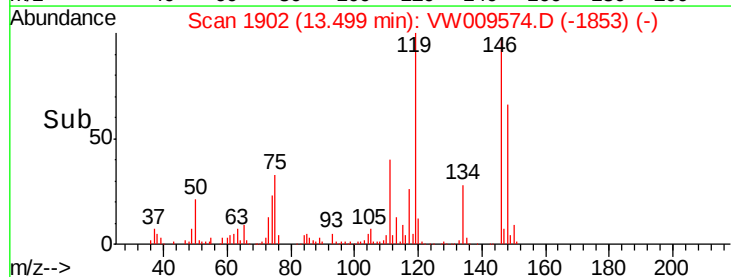
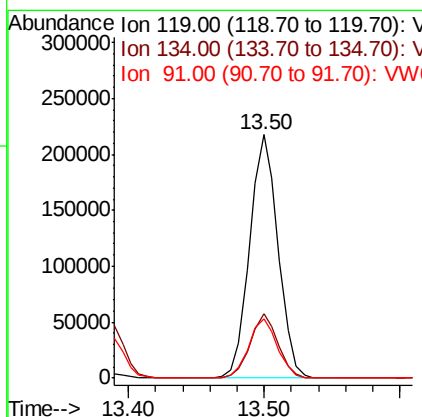
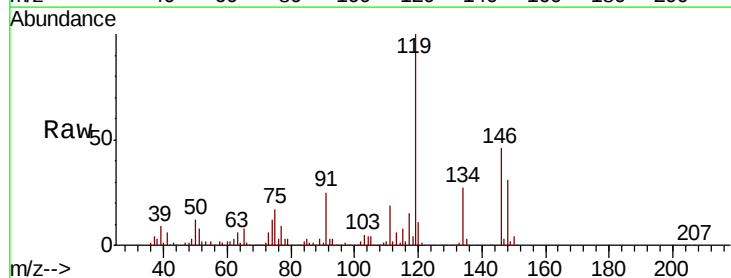
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0329SBS01

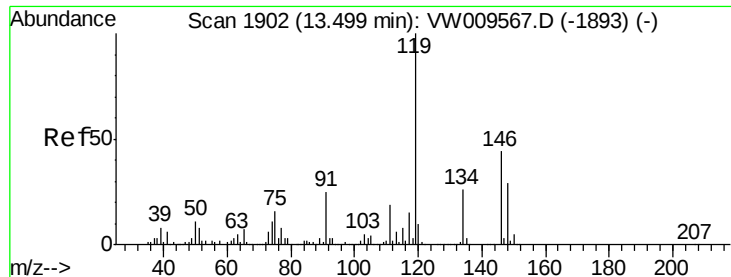
Tgt Ion:105 Resp: 361429
 Ion Ratio Lower Upper
 105 100
 134 20.1 10.2 30.6



#86
 p-Isopropyltoluene
 Concen: 22.256 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW009574.D
 Acq: 29 Mar 2019 16:25

Tgt Ion:119 Resp: 318385
 Ion Ratio Lower Upper
 119 100
 134 25.9 13.1 39.3
 91 24.5 12.3 36.8

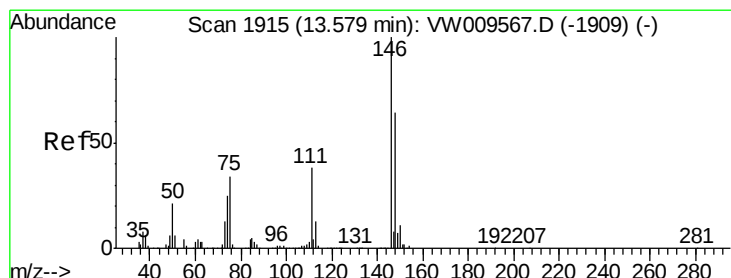
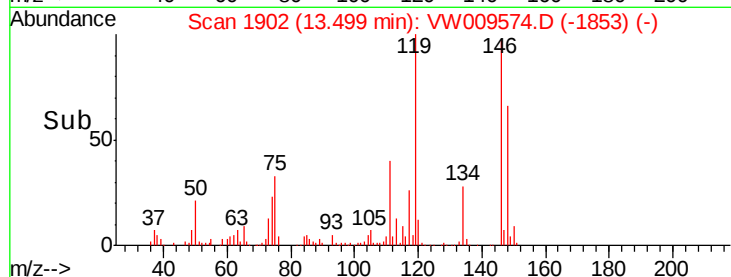
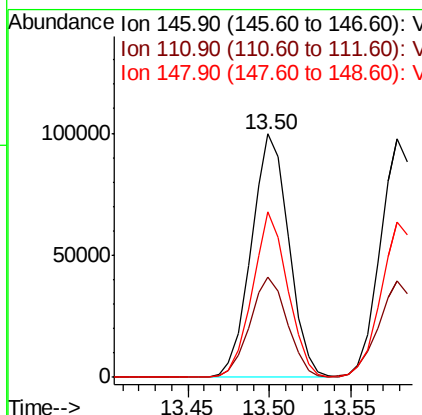
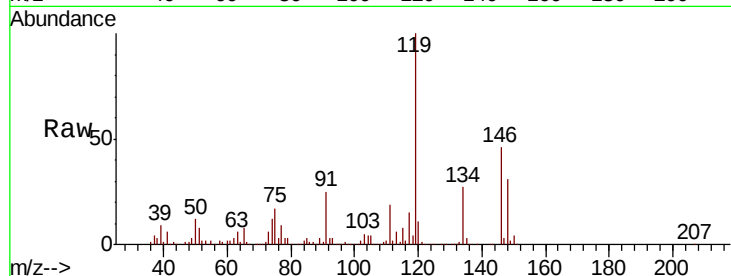




#87
1,3-Dichlorobenzene
Concen: 21.922 ug/l
RT: 13.50 min Scan# 1902
Delta R.T. 0.00 min
Lab File: VW009574.D
Acq: 29 Mar 2019 16:25

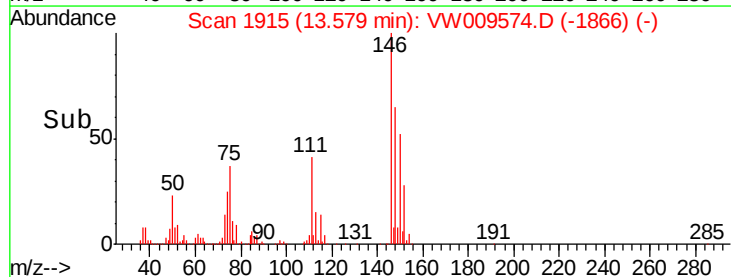
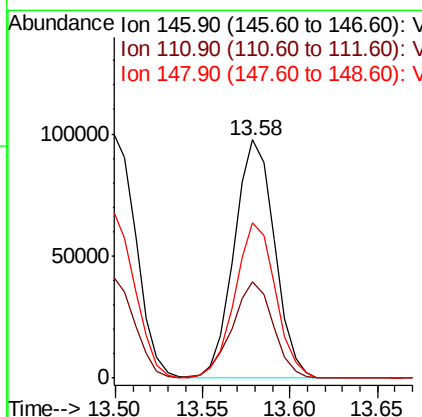
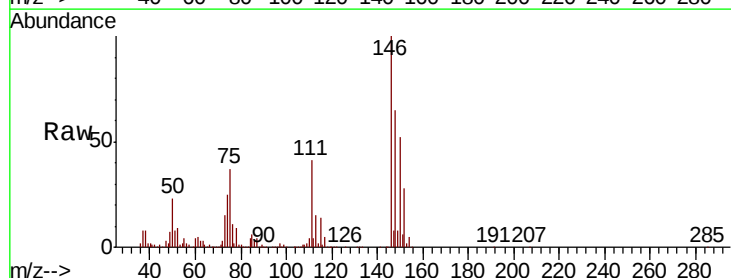
Instrument :
MSVOA_W
ClientSampleId :
VW0329SBS01

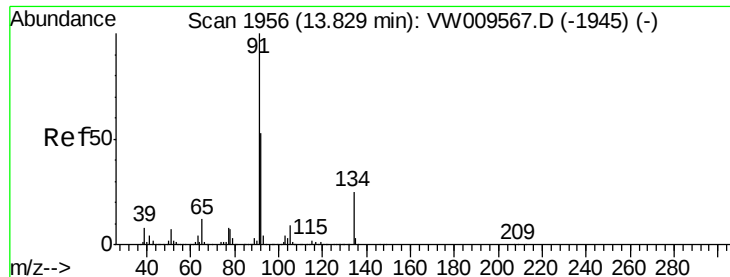
Tgt Ion:146 Resp: 158511
Ion Ratio Lower Upper
146 100
111 41.3 20.1 60.2
148 64.4 31.4 94.3



#88
1,4-Dichlorobenzene
Concen: 21.687 ug/l
RT: 13.58 min Scan# 1915
Delta R.T. 0.00 min
Lab File: VW009574.D
Acq: 29 Mar 2019 16:25

Tgt Ion:146 Resp: 156630
Ion Ratio Lower Upper
146 100
111 41.1 19.9 59.6
148 65.8 32.2 96.6





#89

n-Butylbenzene

Concen: 22.242 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VW009574.D

Acq: 29 Mar 2019 16:25

Instrument :

MSVOA_W

ClientSampleId :

VW0329SBS01

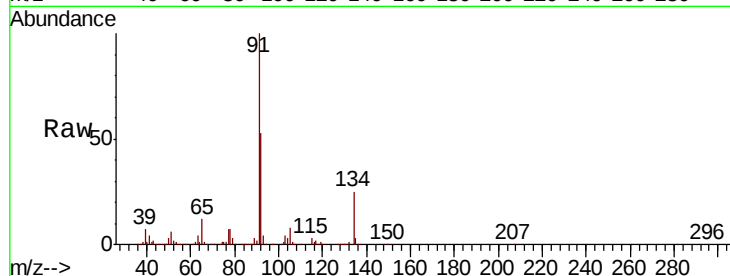
Tgt Ion: 91 Resp: 314065

Ion Ratio Lower Upper

91 100

92 52.1 26.4 79.0

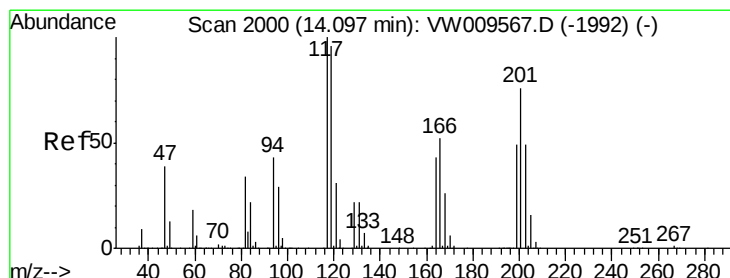
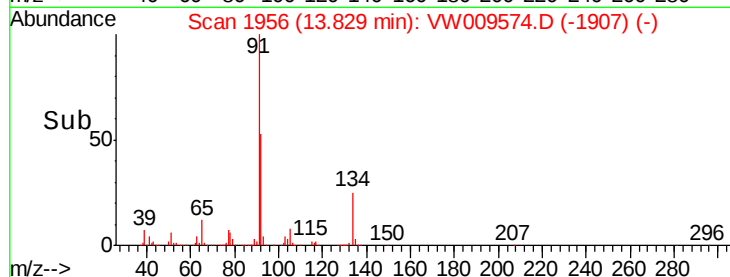
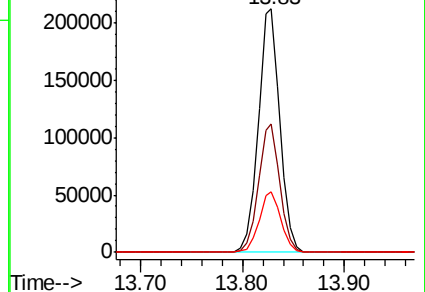
134 25.1 12.9 38.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 21.876 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. 0.00 min

Lab File: VW009574.D

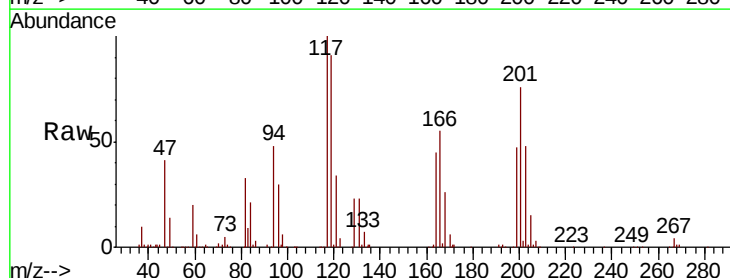
Acq: 29 Mar 2019 16:25

Tgt Ion: 117 Resp: 59929

Ion Ratio Lower Upper

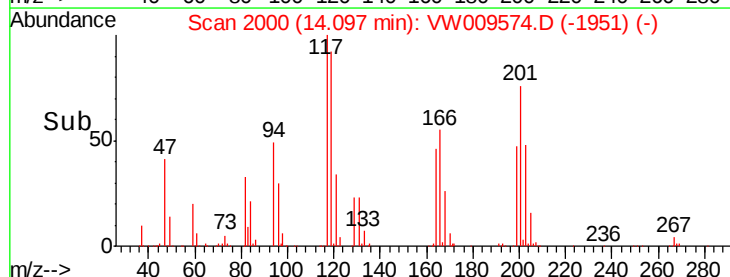
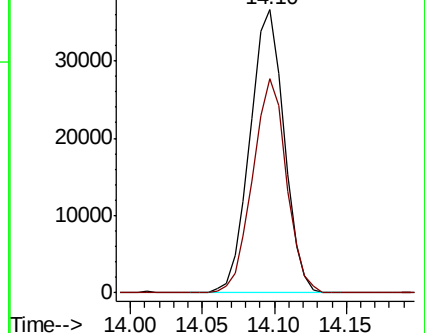
117 100

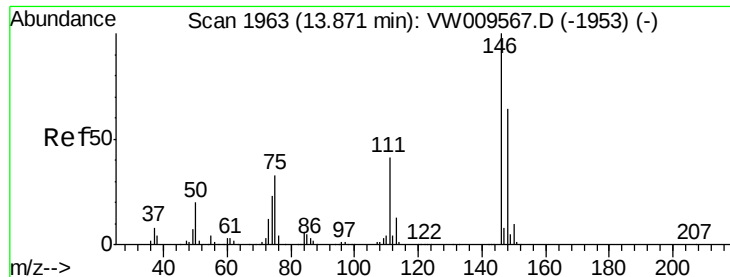
201 75.0 38.2 114.6



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V





#91

1,2-Dichlorobenzene

Concen: 22.695 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VW009574.D

Acq: 29 Mar 2019 16:25

Instrument :

MSVOA_W

ClientSampleId :

VW0329SBS01

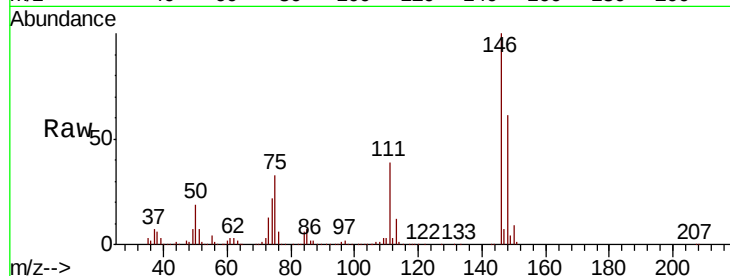
Tgt Ion:146 Resp: 146743

Ion Ratio Lower Upper

146 100

111 41.8 20.4 61.2

148 63.0 31.9 95.9

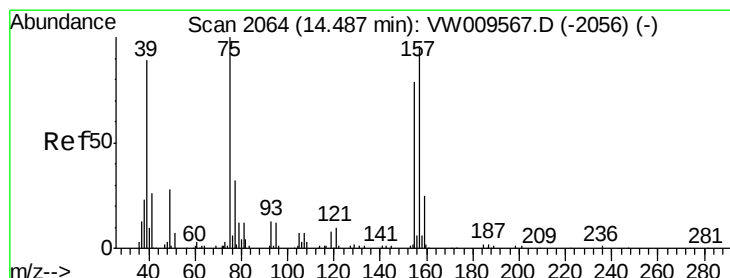
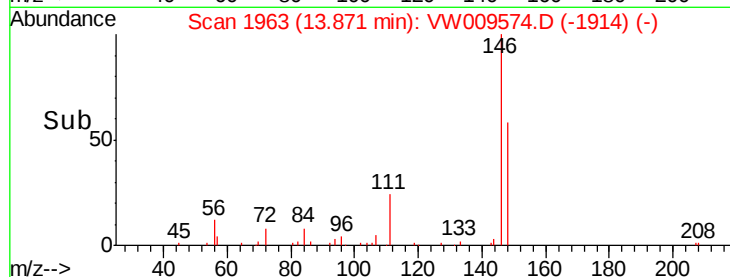
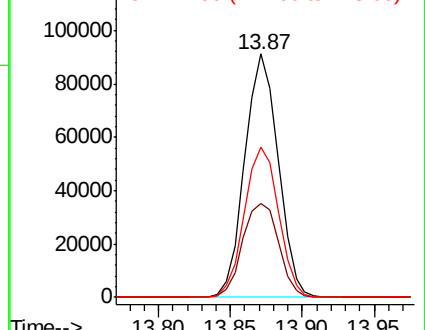


Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 23.430 ug/l

RT: 14.49 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VW009574.D

Acq: 29 Mar 2019 16:25

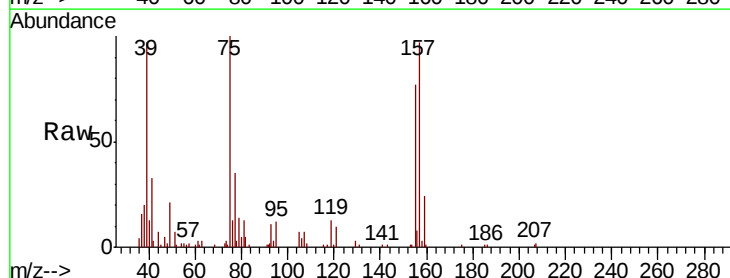
Tgt Ion: 75 Resp: 12301

Ion Ratio Lower Upper

75 100

155 77.0 39.3 117.8

157 89.2 49.5 148.5

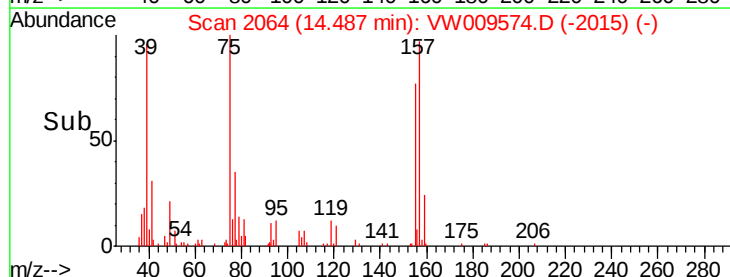
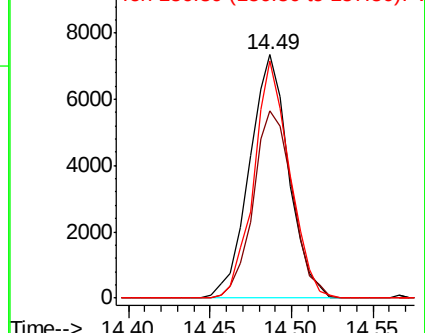


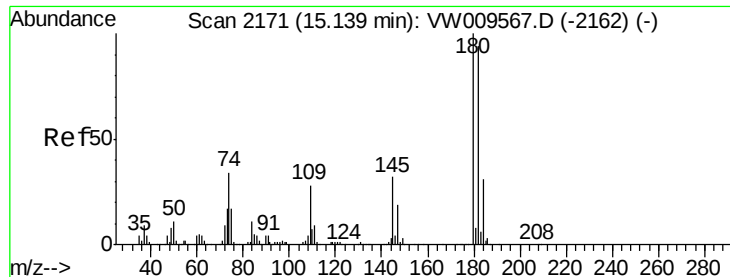
Abundance

Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

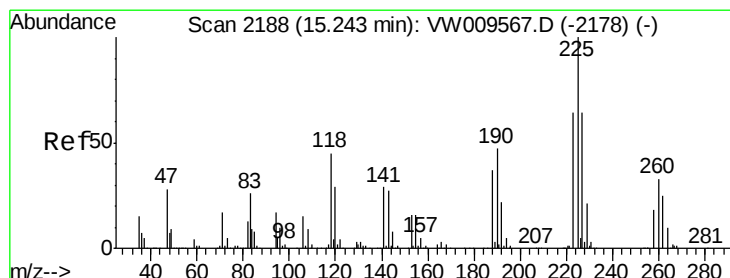
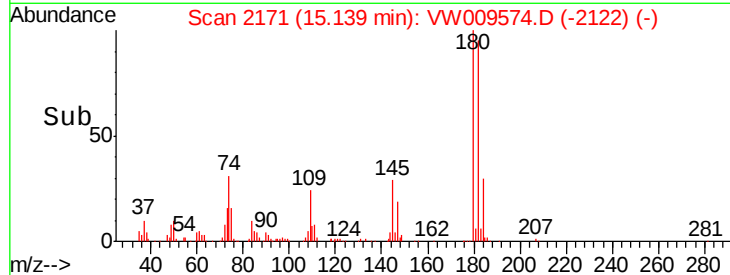
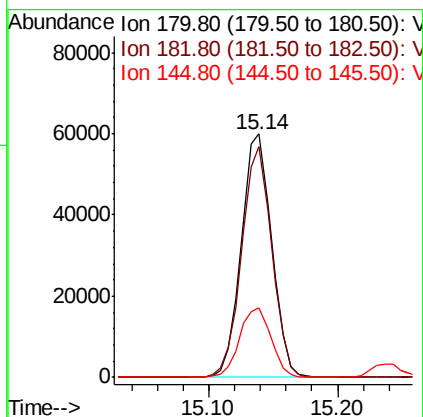
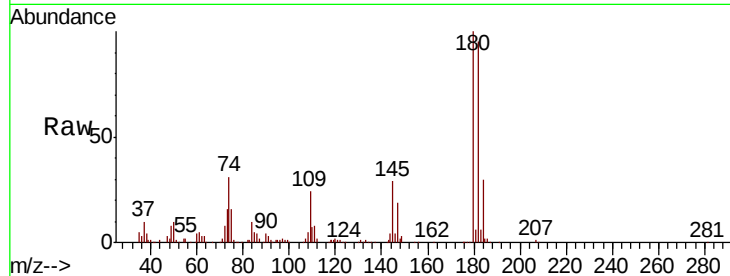




#93
 1,2,4-Trichlorobenzene
 Concen: 23.393 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW009574.D
 Acq: 29 Mar 2019 16:25

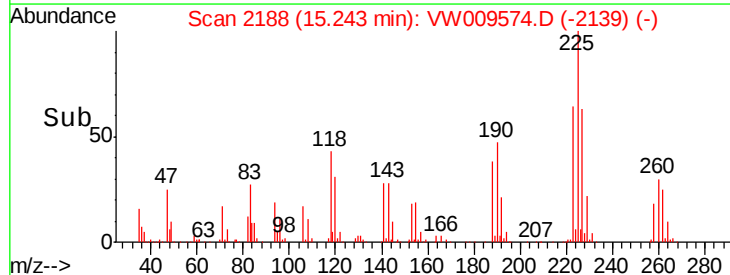
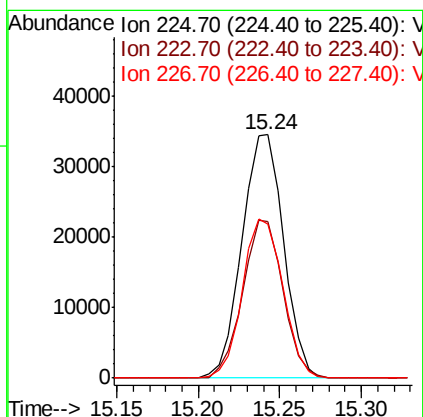
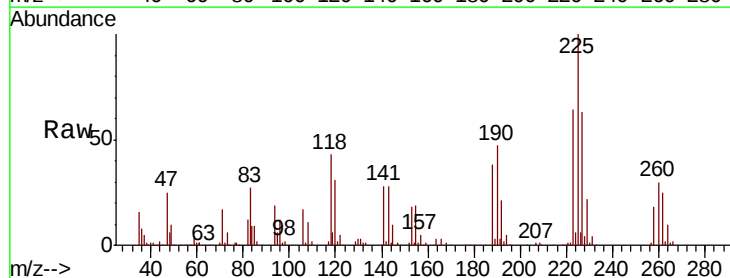
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0329SBS01

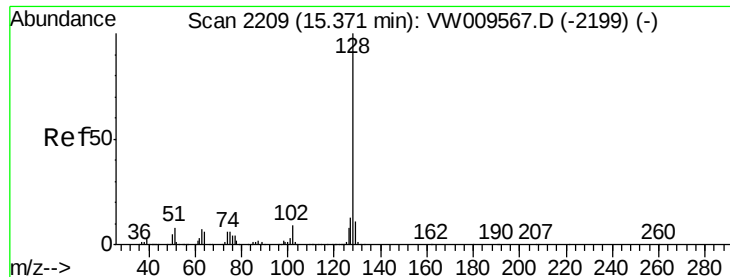
Tgt Ion:180 Resp: 97410
 Ion Ratio Lower Upper
 180 100
 182 94.4 47.9 143.7
 145 29.7 15.0 45.0



#94
 Hexachlorobutadiene
 Concen: 22.873 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.00 min
 Lab File: VW009574.D
 Acq: 29 Mar 2019 16:25

Tgt Ion:225 Resp: 61167
 Ion Ratio Lower Upper
 225 100
 223 63.2 31.4 94.3
 227 63.5 32.1 96.5

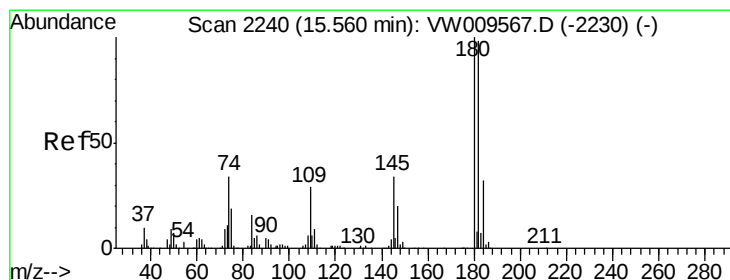
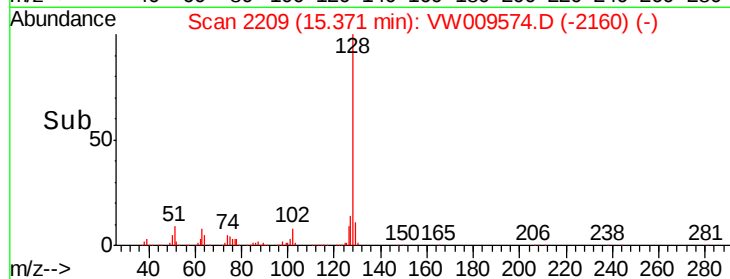
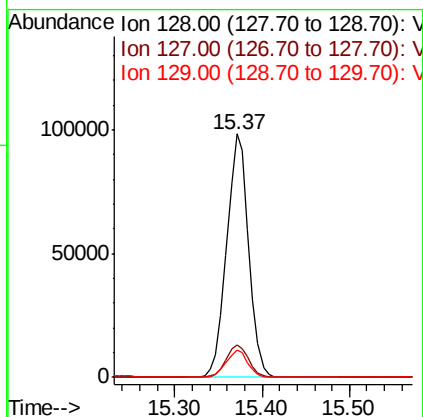
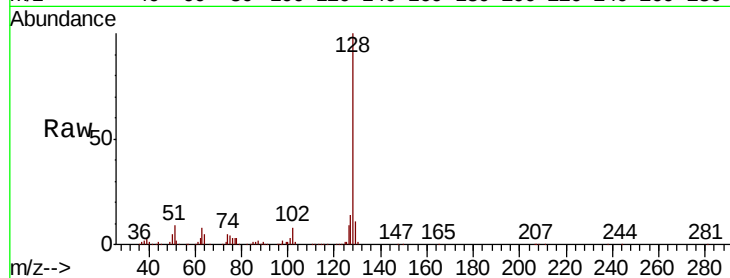




#95
Naphthalene
Concen: 21.807 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW009574.D
Acq: 29 Mar 2019 16:25

Instrument :
MSVOA_W
ClientSampleId :
VW0329SBS01

Tgt Ion:128 Resp: 170815
Ion Ratio Lower Upper
128 100
127 13.7 10.8 16.2
129 11.0 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 23.034 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VW009574.D
Acq: 29 Mar 2019 16:25

Tgt Ion:180 Resp: 85694
Ion Ratio Lower Upper
180 100
182 94.8 47.3 141.9
145 32.4 16.0 48.0

