

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW052419\
 Data File : VW010547.D
 Acq On : 24 May 2019 13:42
 Operator : SY/VA
 Sample : VW0524SBSD01
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0524SBSD01

Quant Time: May 24 14:12:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W052019S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 21 06:38:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	142449	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	245395	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	217788	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	104190	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	71660	48.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.48%	
35) Dibromofluoromethane	7.88	113	76136	51.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.26%	
50) Toluene-d8	10.32	98	290056	50.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.98%	
62) 4-Bromofluorobenzene	12.62	95	111620	49.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.52%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.00	85	21186	16.507	ug/l	97
3) Chloromethane	2.21	50	23954	16.005	ug/l	97
4) Vinyl Chloride	2.36	62	27322	15.760	ug/l	94
5) Bromomethane	2.75	94	20749	17.397	ug/l	100
6) Chloroethane	2.91	64	19414	17.445	ug/l	96
7) Trichlorofluoromethane	3.25	101	50723	19.818	ug/l	99
8) Diethyl Ether	3.68	74	17133	21.117	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.05	101	32521	20.632	ug/l	98
10) Methyl Iodide	4.27	142	30059	16.684	ug/l	98
11) Tert butyl alcohol	5.18	59	17849	134.960	ug/l #	90
12) 1,1-Dichloroethene	4.03	96	29963	19.914	ug/l	96
13) Acrolein	3.89	56	8352	94.501	ug/l	98
14) Allyl chloride	4.67	41	41977	19.274	ug/l	98
15) Acrylonitrile	5.37	53	30671	90.265	ug/l	98
16) Acetone	4.12	43	29047	96.783	ug/l	97
17) Carbon Disulfide	4.38	76	80767	17.997	ug/l	100
18) Methyl Acetate	4.67	43	15120	20.599	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	77099	20.100	ug/l	99
20) Methylene Chloride	4.92	84	40901	20.204	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	35164	20.375	ug/l	96
22) Diisopropyl ether	6.31	45	89112	19.954	ug/l	100
23) Vinyl Acetate	6.26	43	256507	96.155	ug/l	99
24) 1,1-Dichloroethane	6.21	63	55095	20.674	ug/l	98
25) 2-Butanone	7.17	43	44703	104.080	ug/l	100
26) 2,2-Dichloropropane	7.17	77	57731	22.742	ug/l	96
27) cis-1,2-Dichloroethene	7.17	96	39374	20.985	ug/l	96
28) Bromochloromethane	7.51	49	18618	19.512	ug/l	92
29) Tetrahydrofuran	7.53	42	26120	89.872	ug/l	97
30) Chloroform	7.67	83	60412	21.016	ug/l	97
31) Cyclohexane	7.95	56	54288	19.447	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	56676	20.628	ug/l	99
36) 1,1-Dichloropropene	8.08	75	47732	20.880	ug/l	99
37) Ethyl Acetate	7.26	43	18351	18.878	ug/l	99
38) Carbon Tetrachloride	8.07	117	50963	20.666	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	62540	20.420	ug/l	97
40) Benzene	8.32	78	132365	20.833	ug/l	99
41) Methacrylonitrile	7.48	41	11220	19.425	ug/l	91
42) 1,2-Dichloroethane	8.40	62	37546	20.675	ug/l	100
43) Isopropyl Acetate	8.43	43	35926	18.499	ug/l	99
44) Trichloroethene	9.09	130	40178	21.300	ug/l	97
45) 1,2-Dichloropropane	9.37	63	30854	20.447	ug/l	99
46) Dibromomethane	9.46	93	18572	21.045	ug/l	99
47) Bromodichloromethane	9.65	83	45173	20.369	ug/l	99
48) Methyl methacrylate	9.44	41	16270	18.312	ug/l	95
49) 1,4-Dioxane	9.45	88	4692	325.469	ug/l #	92
51) 4-Methyl-2-Pentanone	10.21	43	91469	92.948	ug/l	99
52) Toluene	10.39	92	89461	20.966	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	45130	20.093	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	52772	20.573	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	26837	21.148	ug/l	97
56) Ethyl methacrylate	10.65	69	32814	18.749	ug/l	99
57) 1,3-Dichloropropane	10.93	76	44030	20.713	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	74245	95.773	ug/l	99
59) 2-Hexanone	10.97	43	64005	91.176	ug/l	99
60) Dibromochloromethane	11.13	129	32799	20.422	ug/l	98
61) 1,2-Dibromoethane	11.24	107	26475	20.595	ug/l	99
64) Tetrachloroethene	10.86	164	31909	21.018	ug/l	99
65) Chlorobenzene	11.66	112	99538	21.445	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	35508	21.355	ug/l	99
67) Ethyl Benzene	11.73	91	172859	21.094	ug/l	99
68) m/p-Xylenes	11.84	106	134636	41.887	ug/l	100
69) o-Xylene	12.16	106	63862	20.970	ug/l	100
70) Styrene	12.18	104	107784	20.860	ug/l	99
71) Bromoform	12.35	173	17377	18.978	ug/l #	96
73) Isopropylbenzene	12.46	105	175209	21.192	ug/l	100
74) N-amyl acetate	12.27	43	32941	17.387	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	29494	19.613	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	36867	34.859	ug/l #	1
77) Bromobenzene	12.75	156	40132	21.691	ug/l	98
78) n-propylbenzene	12.80	91	198714	20.624	ug/l	100
79) 2-Chlorotoluene	12.90	91	117231	20.981	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	146378	20.904	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	8776	17.318	ug/l	97
82) 4-Chlorotoluene	12.99	91	121886	21.016	ug/l	100
83) tert-Butylbenzene	13.21	119	127819	20.897	ug/l	100
84) 1,2,4-Trimethylbenzene	13.26	105	145773	20.902	ug/l	99
85) sec-Butylbenzene	13.38	105	177155	20.696	ug/l	99
86) p-Isopropyltoluene	13.50	119	161173	20.803	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	76988	21.209	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	77632	21.316	ug/l	98
89) n-Butylbenzene	13.83	91	147853	20.063	ug/l	100
90) Hexachloroethane	14.10	117	30111	20.079	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	69156	20.909	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	4839	17.305	ug/l	98

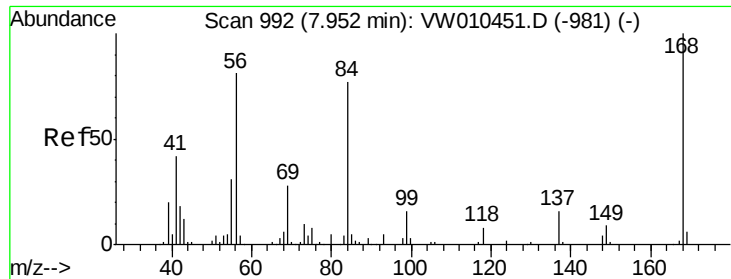
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW052419\
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Quant Title : SW846 8260
QLast Update : Tue May 21 06:38:43 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	44114	19.603	ug/l	99
94) Hexachlorobutadiene	15.24	225	23886	19.869	ug/l	96
95) Naphthalene	15.37	128	86313	18.272	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	38193	19.724	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW010547.D

Acq: 24 May 2019 13:42

Instrument :

MSVOA_W

ClientSampleId :

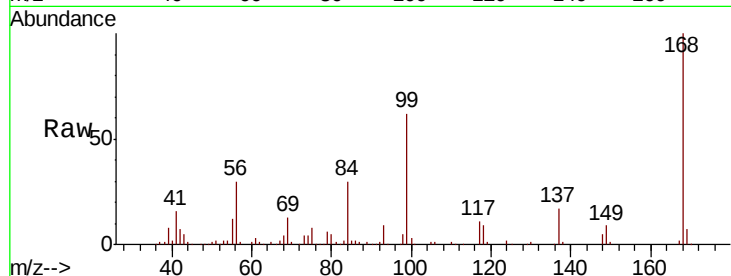
VW0524SBSD01

Tgt Ion:168 Resp: 142449

Ion Ratio Lower Upper

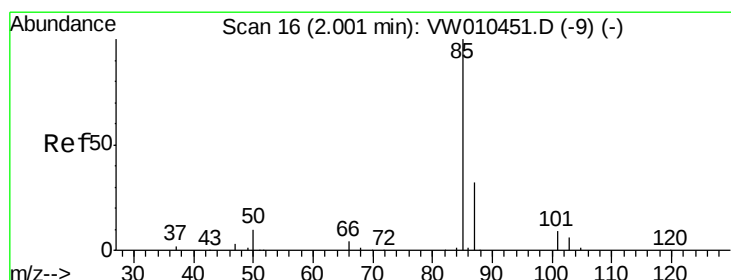
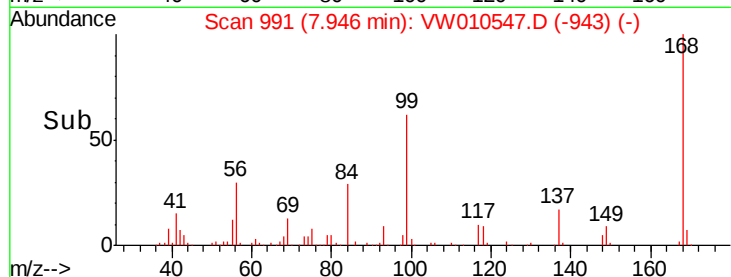
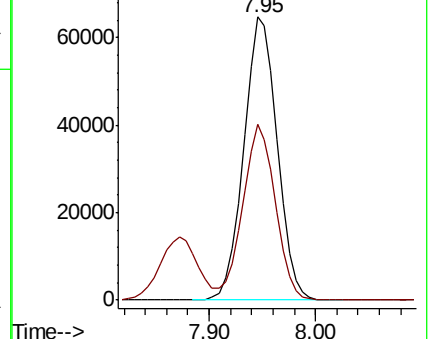
168 100

99 62.3 46.1 69.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 16.507 ug/l

RT: 2.00 min Scan# 15

Delta R.T. -0.01 min

Lab File: VW010547.D

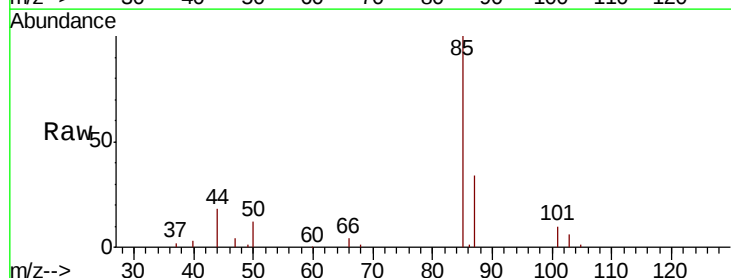
Acq: 24 May 2019 13:42

Tgt Ion: 85 Resp: 21186

Ion Ratio Lower Upper

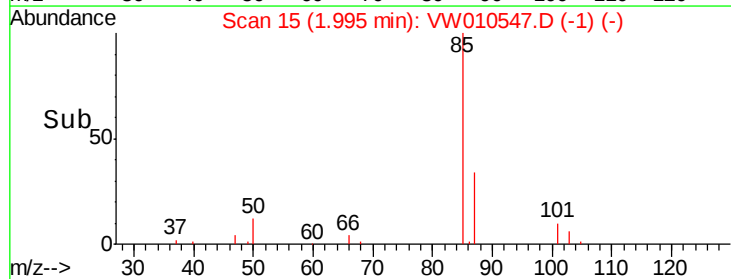
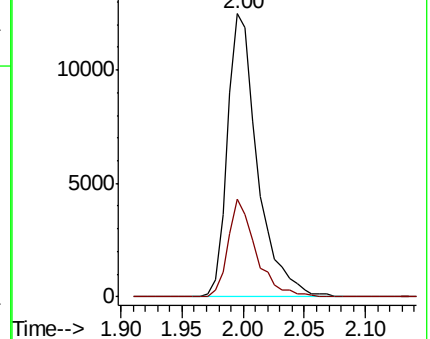
85 100

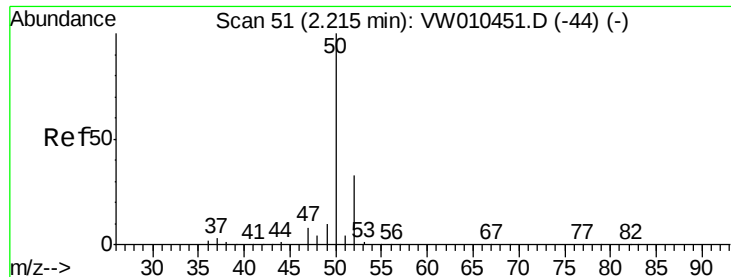
87 34.4 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 16.005 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW010547.D

Acq: 24 May 2019 13:42

Instrument :

MSVOA_W

ClientSampleId :

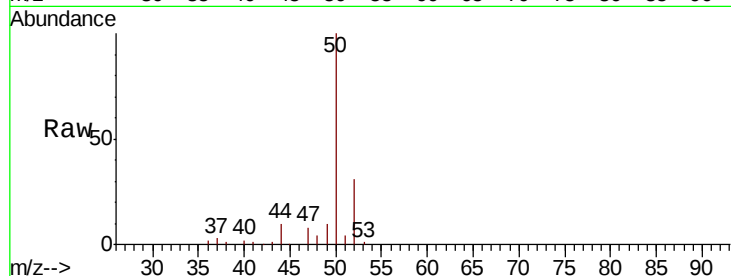
VW0524SBSD01

Tgt Ion: 50 Resp: 23954

Ion Ratio Lower Upper

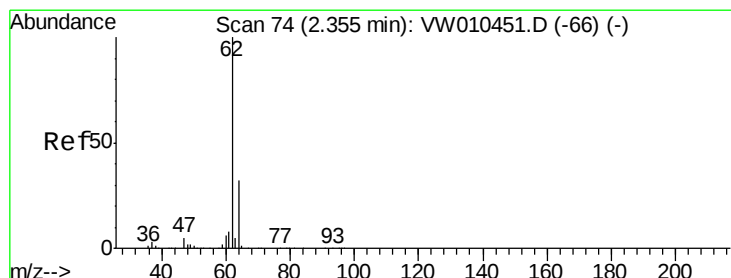
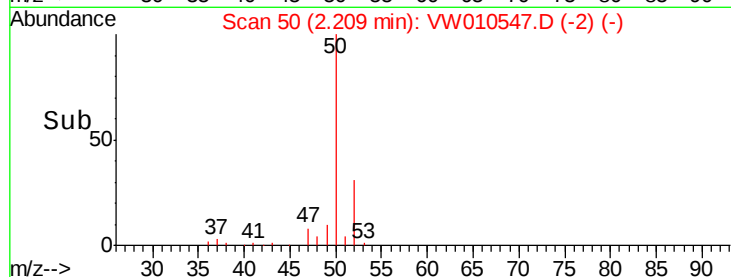
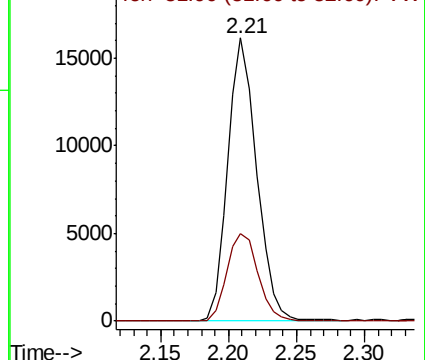
50 100

52 30.9 26.3 39.5



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW



#4

Vinyl Chloride

Concen: 15.760 ug/l

RT: 2.36 min Scan# 74

Delta R.T. 0.00 min

Lab File: VW010547.D

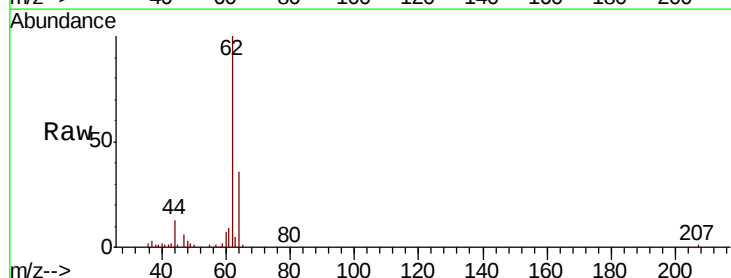
Acq: 24 May 2019 13:42

Tgt Ion: 62 Resp: 27322

Ion Ratio Lower Upper

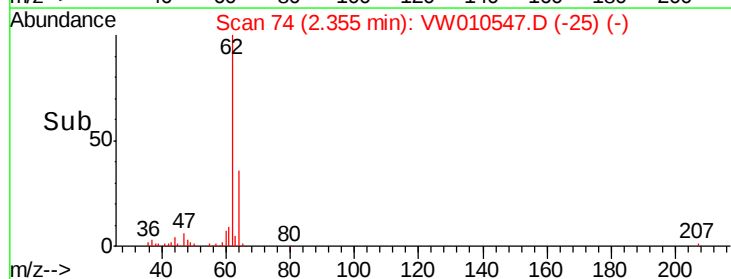
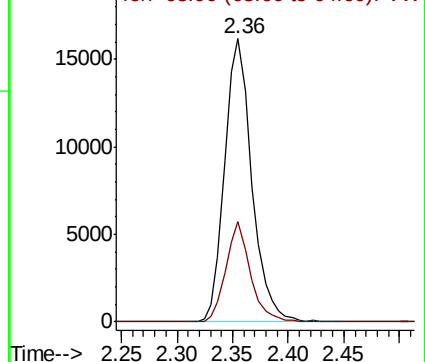
62 100

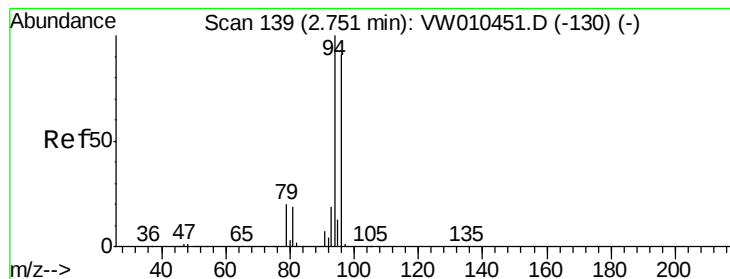
64 35.7 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW





#5

Bromomethane

Concen: 17.397 ug/l

RT: 2.75 min Scan# 138

Delta R.T. -0.01 min

Lab File: VW010547.D

Acq: 24 May 2019 13:42

Instrument :

MSVOA_W

ClientSampleId :

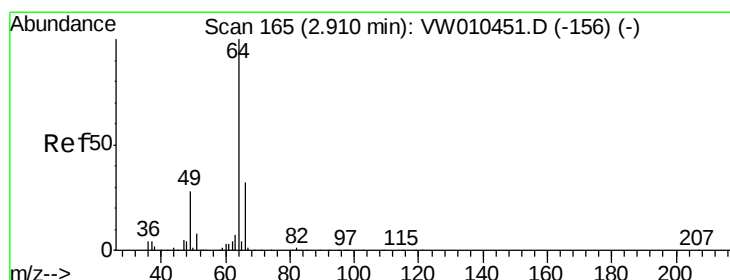
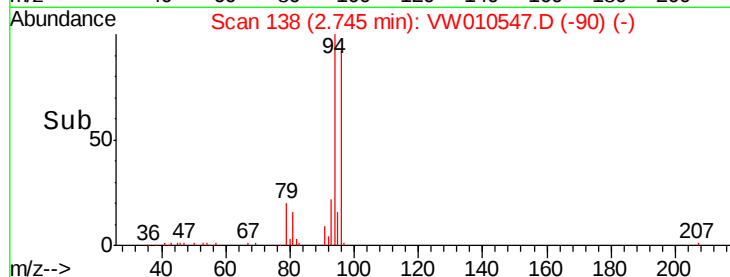
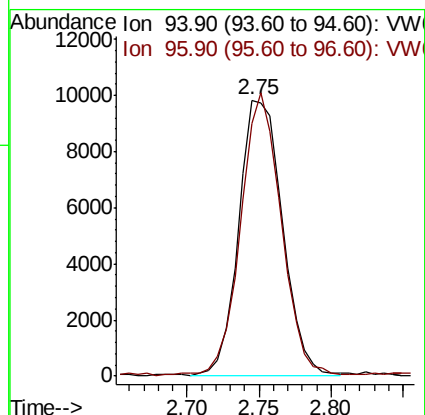
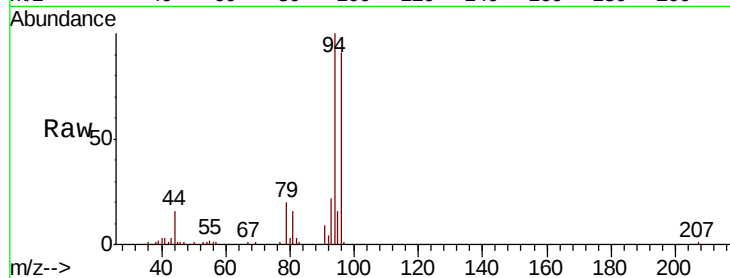
VW0524SBSD01

Tgt Ion: 94 Resp: 20749

Ion Ratio Lower Upper

94 100

96 90.8 72.9 109.3



#6

Chloroethane

Concen: 17.445 ug/l

RT: 2.91 min Scan# 165

Delta R.T. 0.00 min

Lab File: VW010547.D

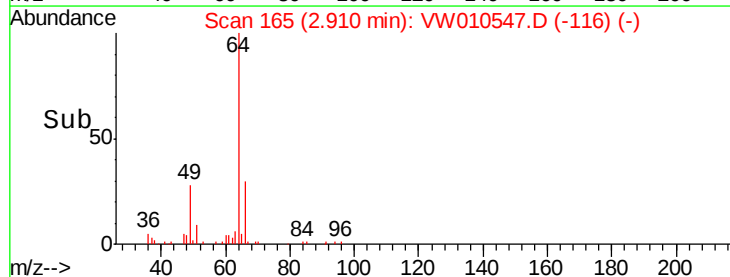
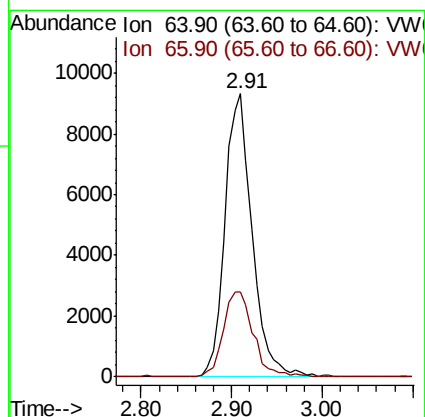
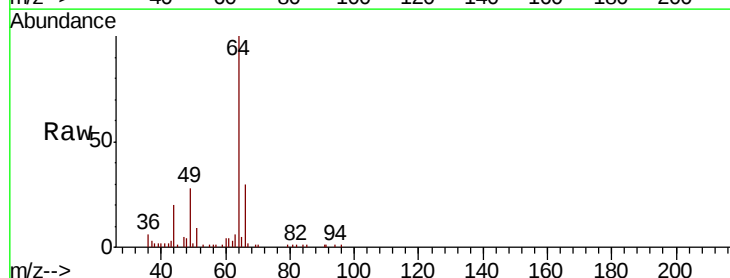
Acq: 24 May 2019 13:42

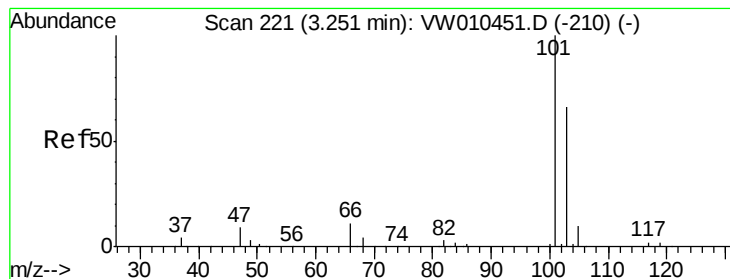
Tgt Ion: 64 Resp: 19414

Ion Ratio Lower Upper

64 100

66 29.9 25.5 38.3



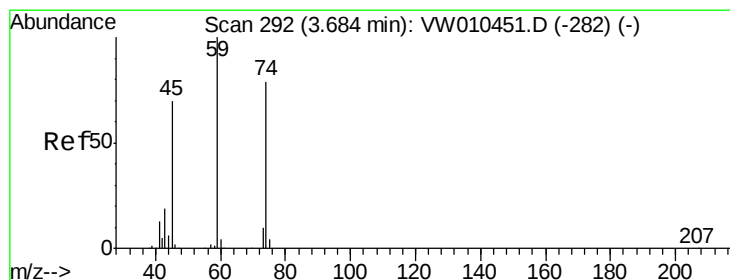
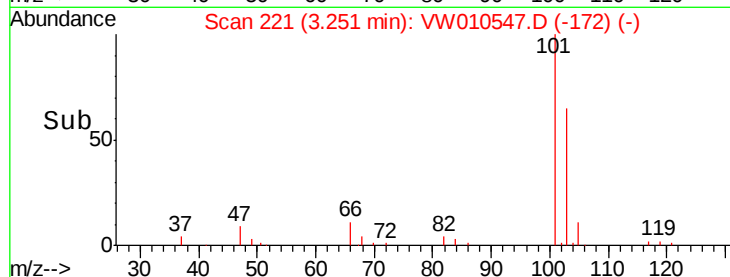
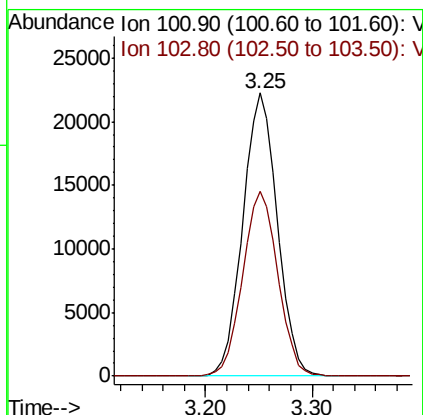
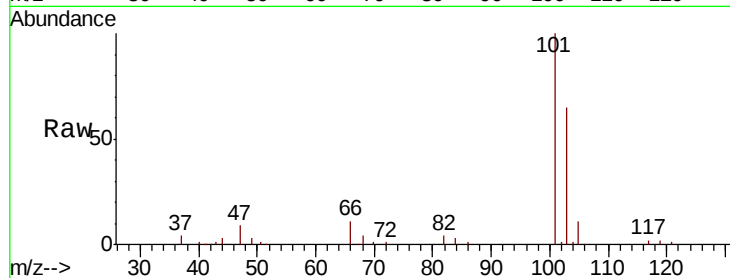


#7

Trichlorofluoromethane
 Concen: 19.818 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. 0.00 min
 Lab File: VW010547.D
 Acq: 24 May 2019 13:42

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0524SBSD01

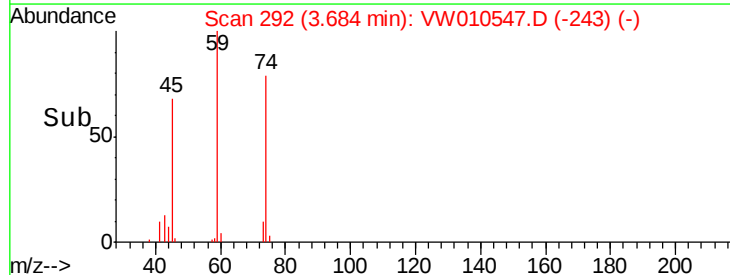
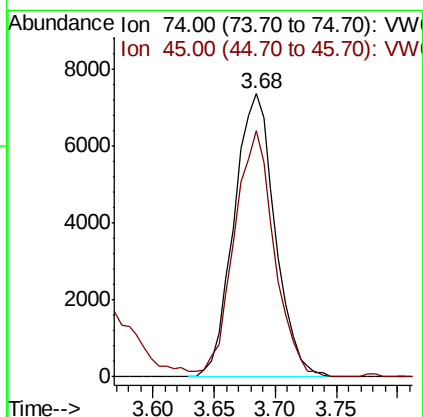
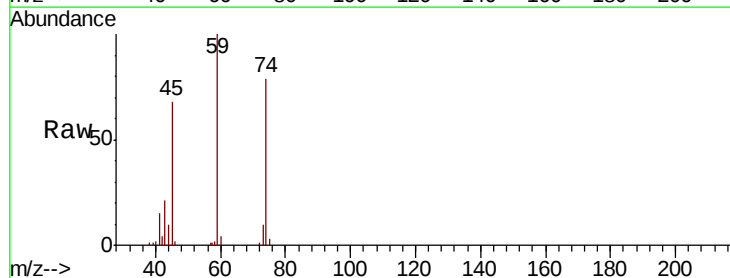
Tgt Ion:101 Resp: 50723
 Ion Ratio Lower Upper
 101 100
 103 65.2 53.0 79.4

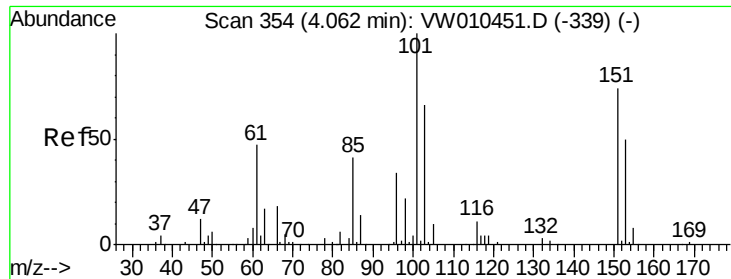


#8

Diethyl Ether
 Concen: 21.117 ug/l
 RT: 3.68 min Scan# 292
 Delta R.T. 0.00 min
 Lab File: VW010547.D
 Acq: 24 May 2019 13:42

Tgt Ion: 74 Resp: 17133
 Ion Ratio Lower Upper
 74 100
 45 84.9 42.9 128.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.632 ug/l

RT: 4.05 min Scan# 352

Delta R.T. -0.01 min

Lab File: VW010547.D

Acq: 24 May 2019 13:42

Instrument :

MSVOA_W

ClientSampleId :

VW0524SBSD01

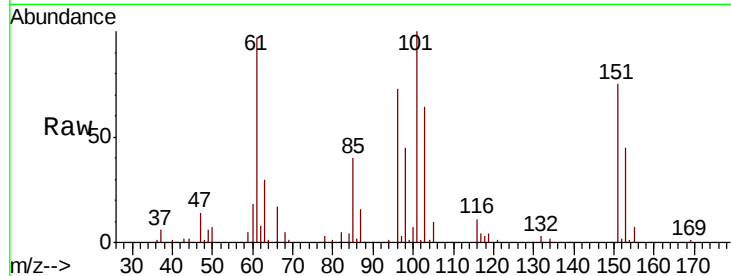
Tgt Ion:101 Resp: 32521

Ion Ratio Lower Upper

101 100

85 43.2 34.3 51.5

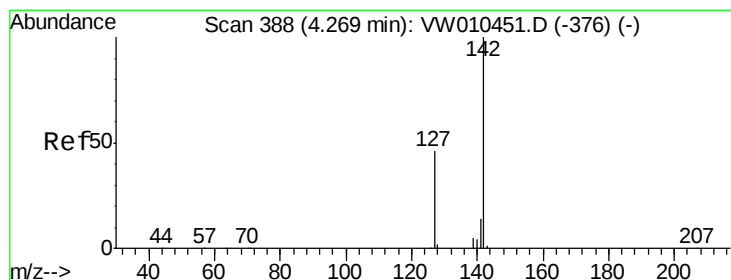
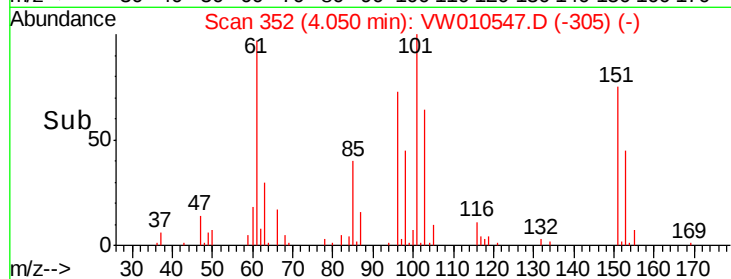
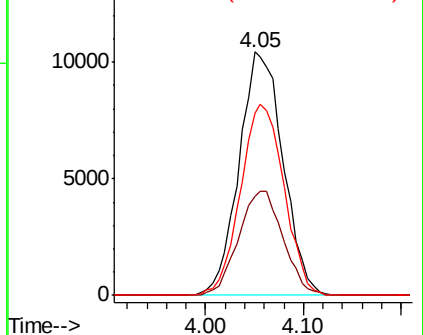
151 77.8 60.3 90.5



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: 16.684 ug/l

RT: 4.27 min Scan# 388

Delta R.T. -0.00 min

Lab File: VW010547.D

Acq: 24 May 2019 13:42

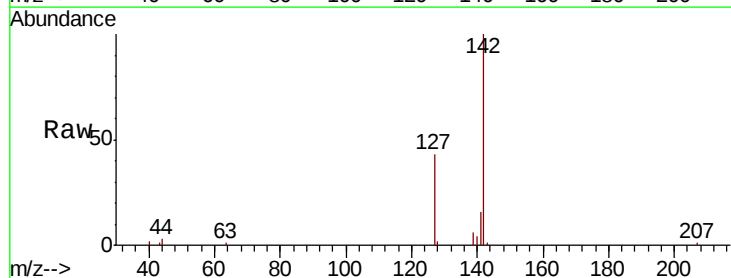
Tgt Ion:142 Resp: 30059

Ion Ratio Lower Upper

142 100

127 43.8 36.1 54.1

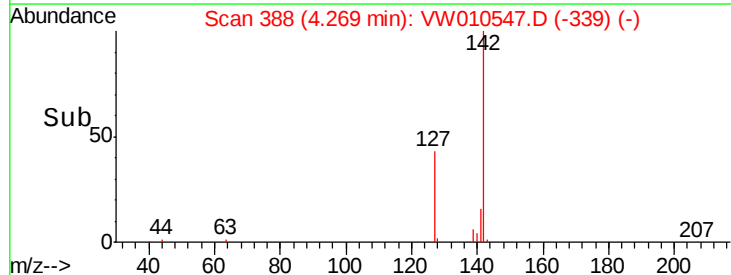
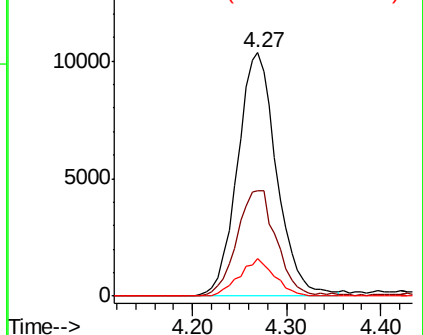
141 13.9 11.3 16.9

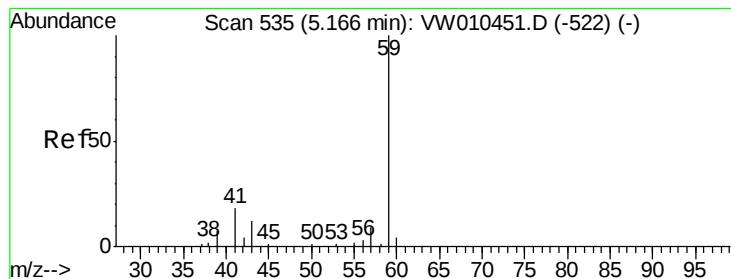


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



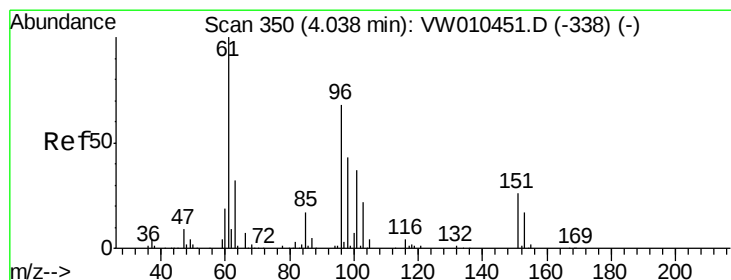
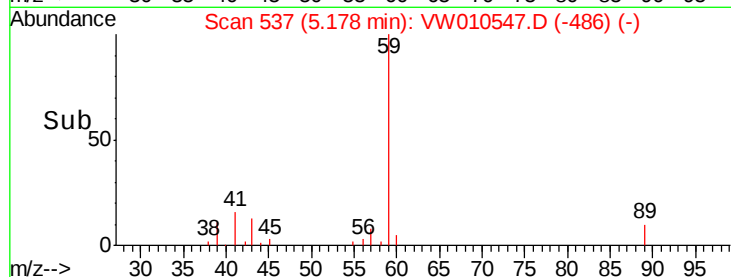
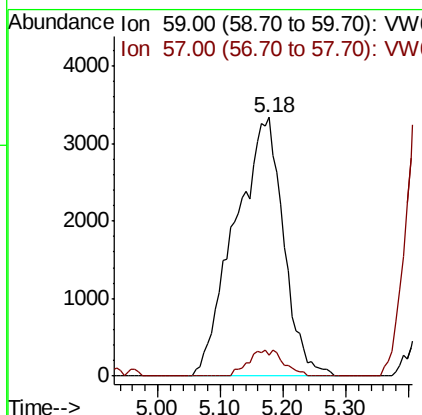
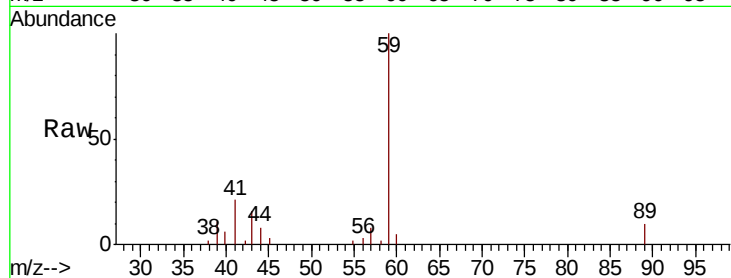


#11

Tert butyl alcohol
 Concen: 134.960 ug/l
 RT: 5.18 min Scan# 537
 Delta R.T. 0.01 min
 Lab File: VW010547.D
 Acq: 24 May 2019 13:42

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0524SBSD01

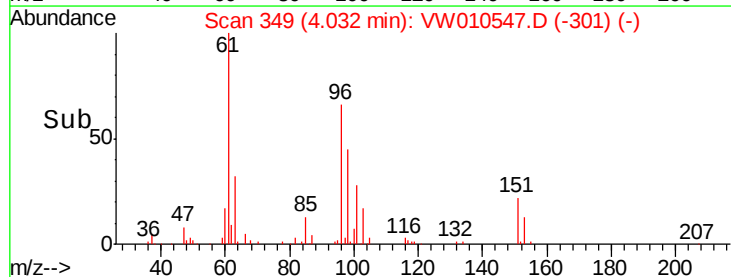
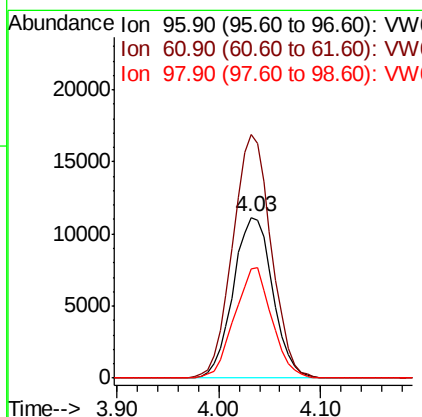
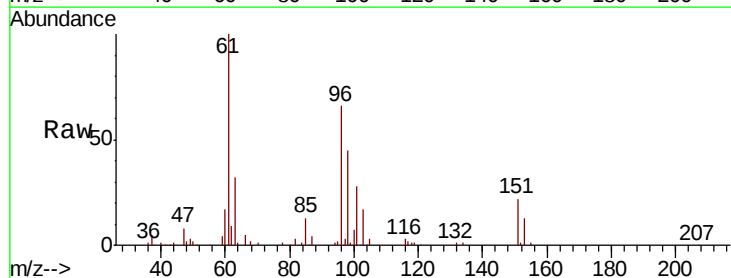
Tgt Ion: 59 Resp: 17849
 Ion Ratio Lower Upper
 59 100
 57 7.3 8.8 13.2#

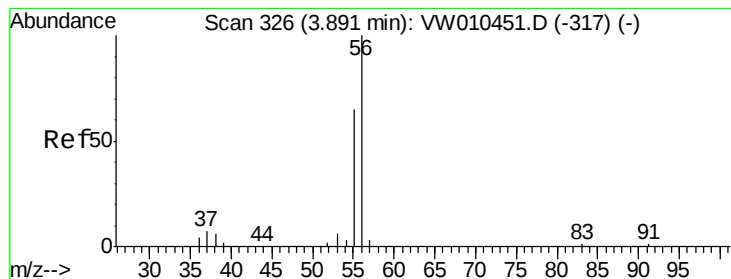


#12

1,1-Dichloroethene
 Concen: 19.914 ug/l
 RT: 4.03 min Scan# 349
 Delta R.T. -0.01 min
 Lab File: VW010547.D
 Acq: 24 May 2019 13:42

Tgt Ion: 96 Resp: 29963
 Ion Ratio Lower Upper
 96 100
 61 151.7 118.3 177.5
 98 67.7 51.0 76.6





#13

Acrolein

Concen: 94.501 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.00 min

Lab File: VW010547.D

Acq: 24 May 2019 13:42

Instrument :

MSVOA_W

ClientSampleId :

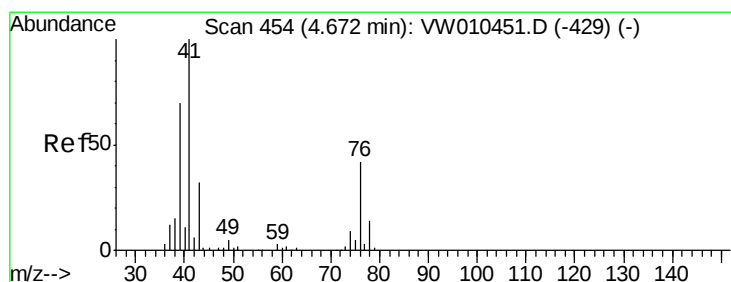
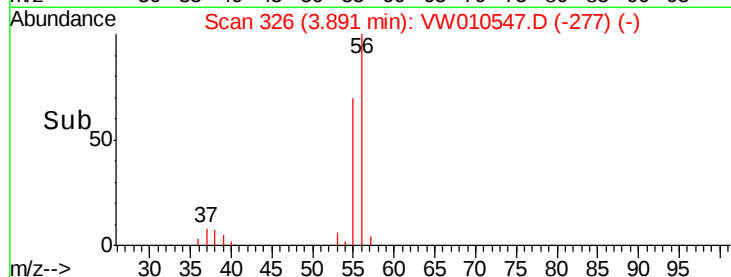
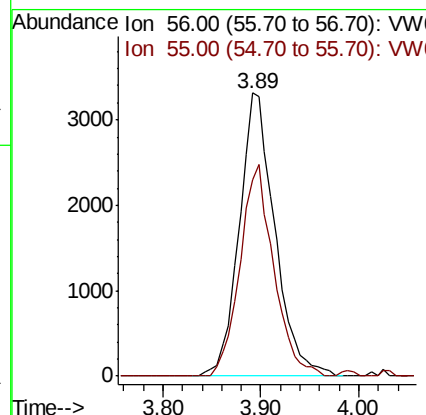
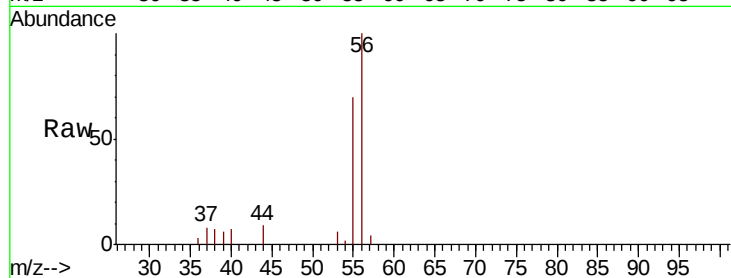
VW0524SBSD01

Tgt Ion: 56 Resp: 8352

Ion Ratio Lower Upper

56 100

55 71.0 57.9 86.9



#14

Allyl chloride

Concen: 19.274 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW010547.D

Acq: 24 May 2019 13:42

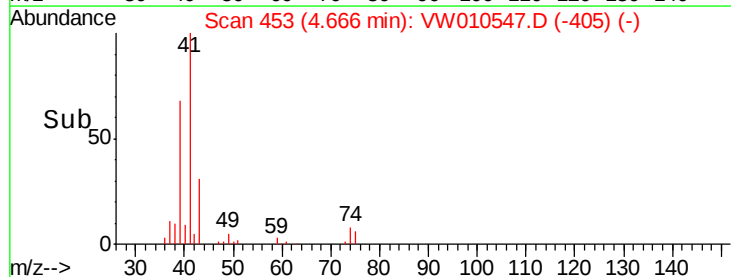
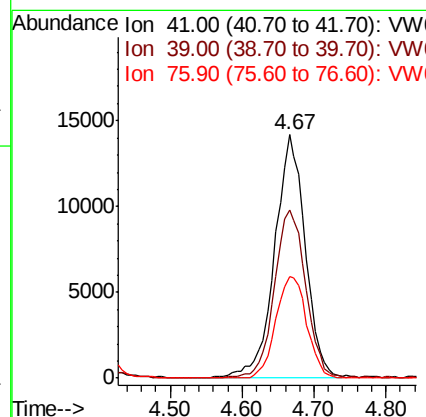
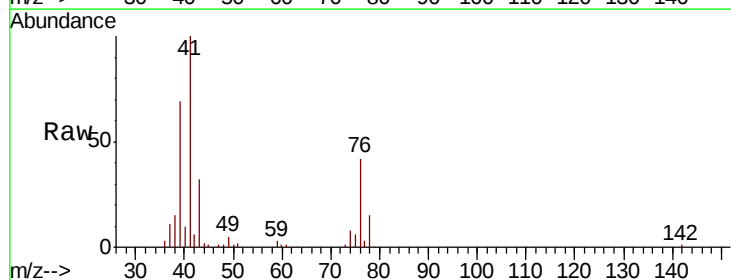
Tgt Ion: 41 Resp: 41977

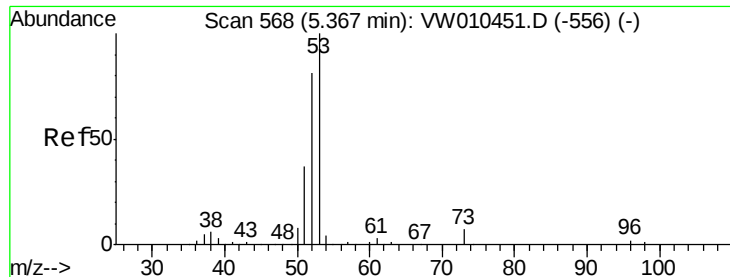
Ion Ratio Lower Upper

41 100

39 70.7 55.0 82.4

76 42.1 32.8 49.2





#15

Acrylonitrile

Concen: 90.265 ug/l

RT: 5.37 min Scan# 569

Delta R.T. 0.01 min

Lab File: VW010547.D

Acq: 24 May 2019 13:42

Instrument :

MSVOA_W

ClientSampled :

VW0524SBSD01

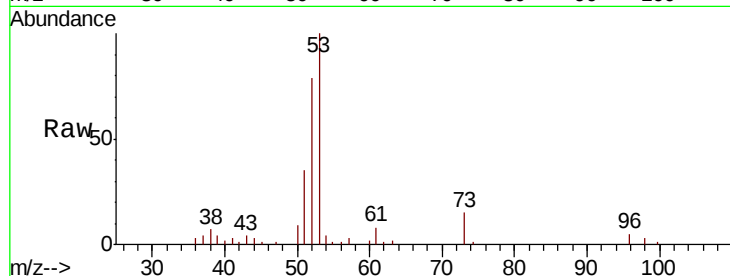
Tgt Ion: 53 Resp: 30671

Ion Ratio Lower Upper

53 100

52 83.4 65.6 98.4

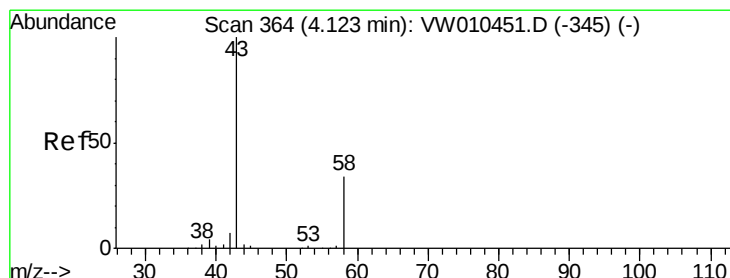
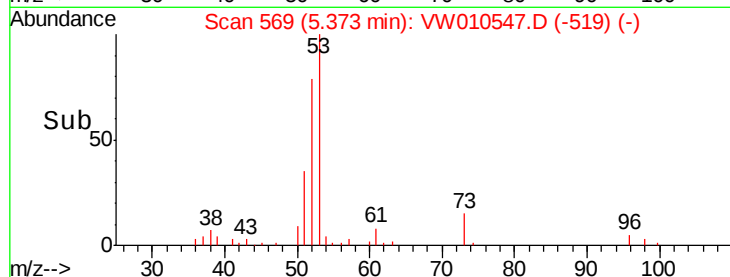
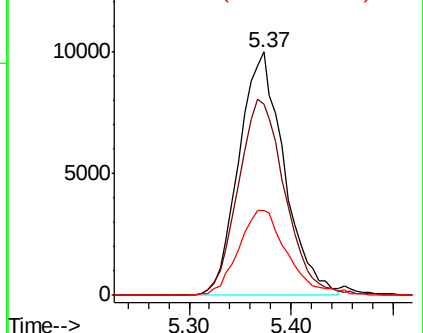
51 37.8 29.5 44.3



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: 96.783 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.00 min

Lab File: VW010547.D

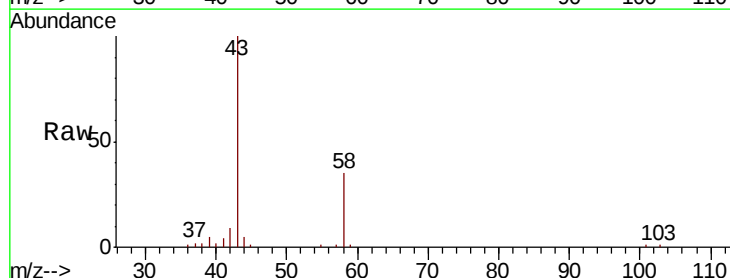
Acq: 24 May 2019 13:42

Tgt Ion: 43 Resp: 29047

Ion Ratio Lower Upper

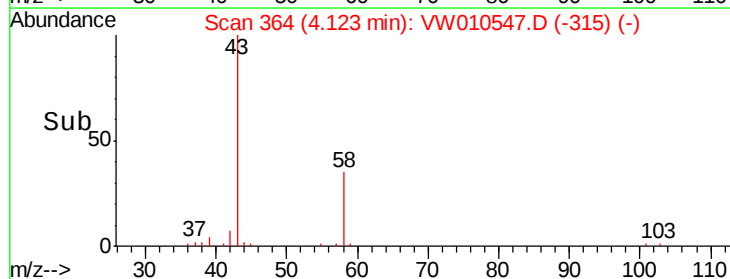
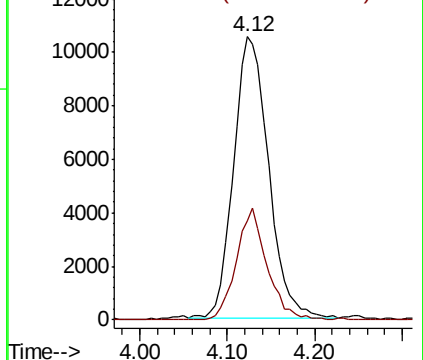
43 100

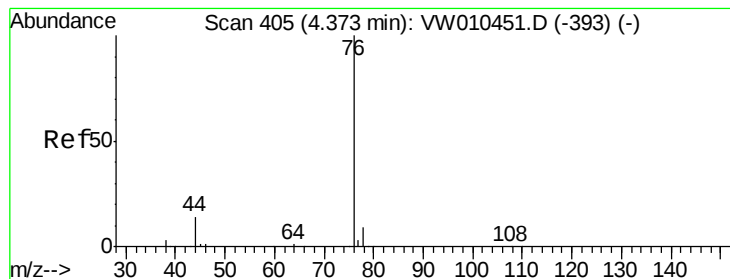
58 35.5 27.0 40.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#17

Carbon Disulfide

Concen: 17.997 ug/l

RT: 4.38 min Scan# 406

Delta R.T. 0.01 min

Lab File: VW010547.D

Acq: 24 May 2019 13:42

Instrument :

MSVOA_W

ClientSampleId :

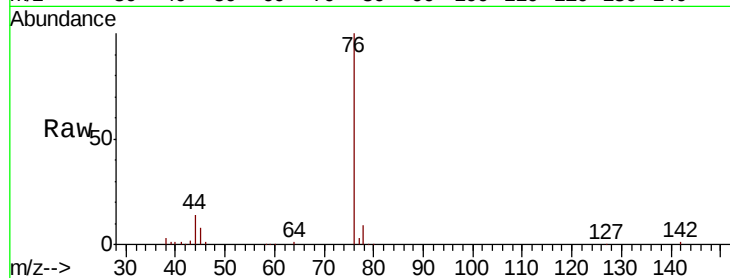
VW0524SBSD01

Tgt Ion: 76 Resp: 80767

Ion Ratio Lower Upper

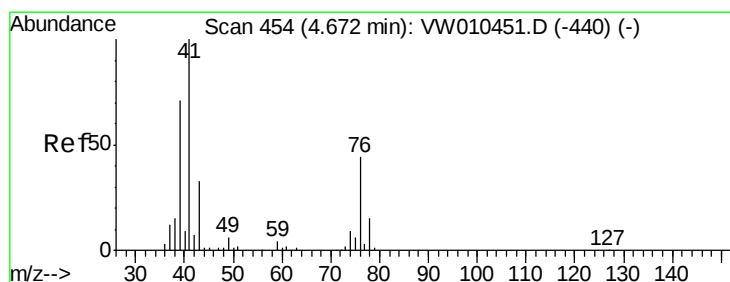
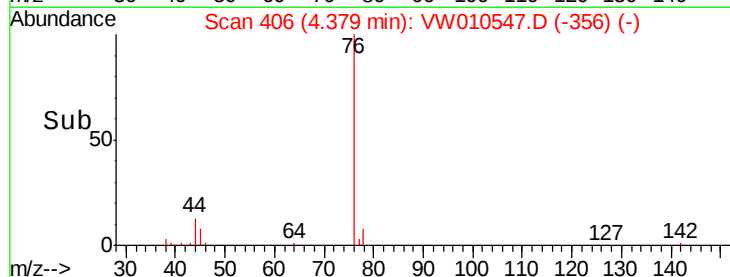
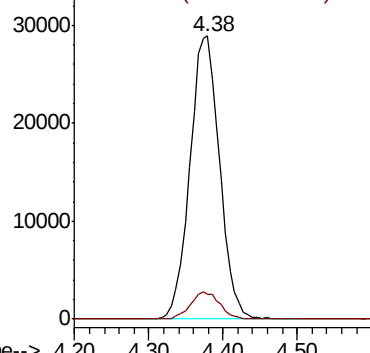
76 100

78 8.7 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 20.599 ug/l

RT: 4.67 min Scan# 454

Delta R.T. -0.00 min

Lab File: VW010547.D

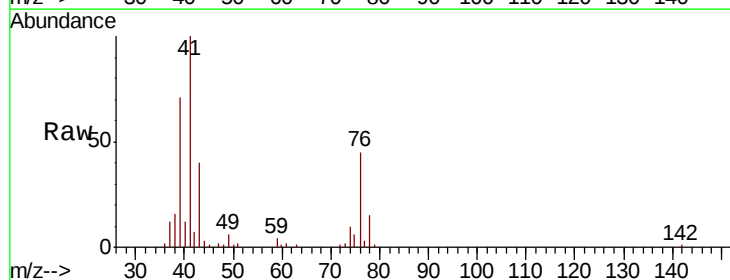
Acq: 24 May 2019 13:42

Tgt Ion: 43 Resp: 15120

Ion Ratio Lower Upper

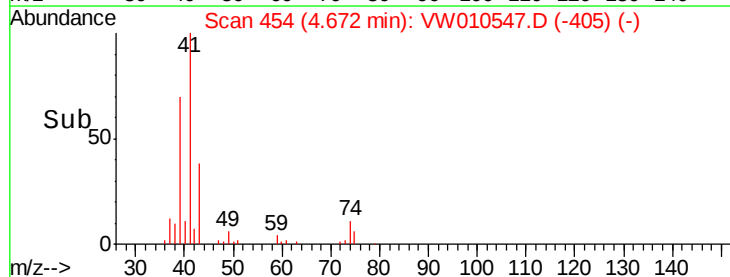
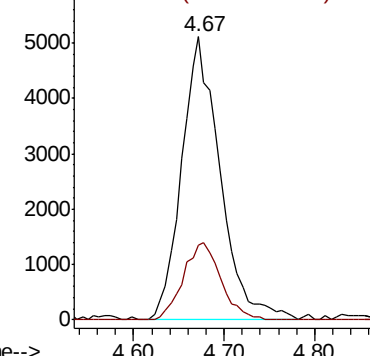
43 100

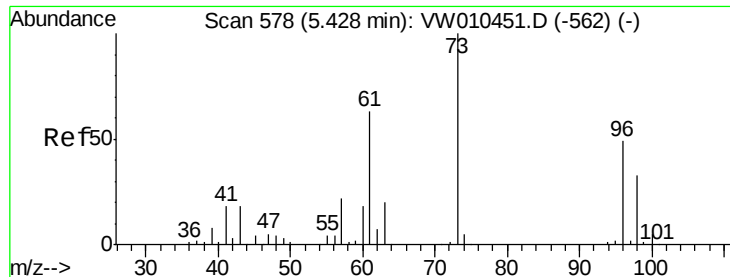
74 26.6 21.6 32.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

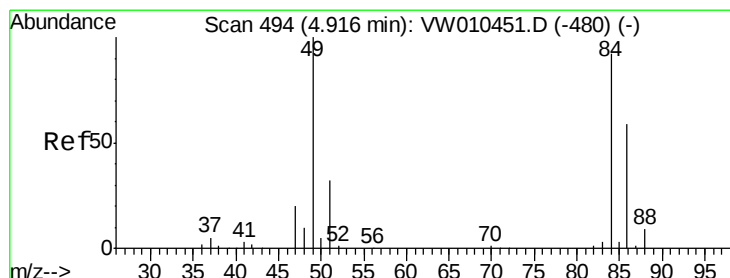
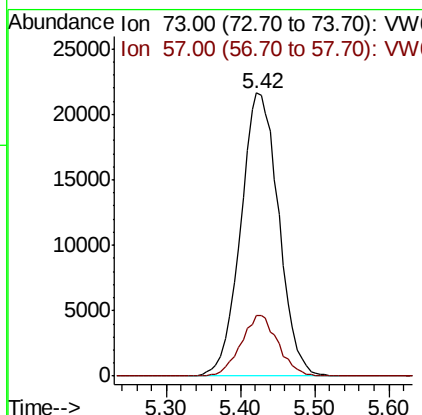
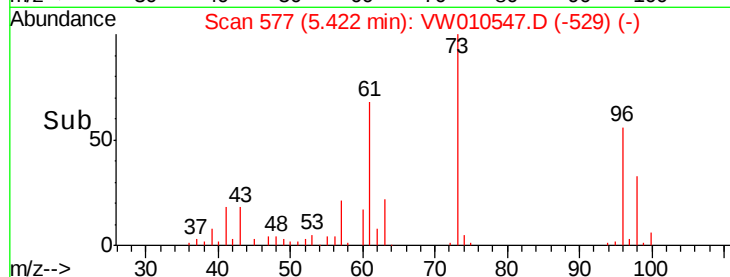
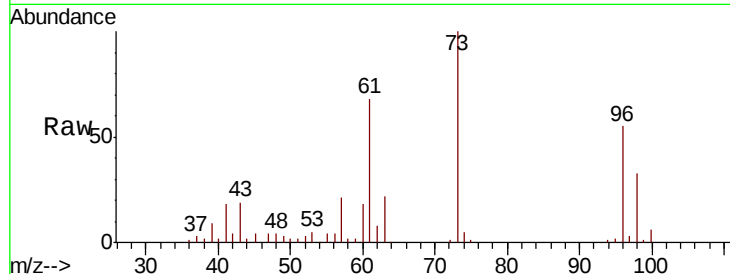




#19
Methyl tert-butyl Ether
Concen: 20.100 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW010547.D
Acq: 24 May 2019 13:42

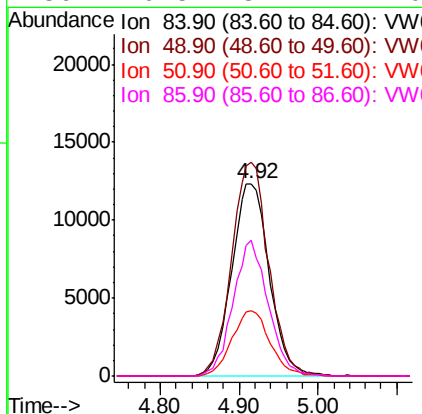
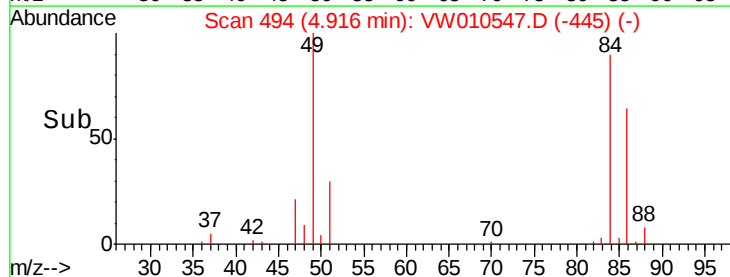
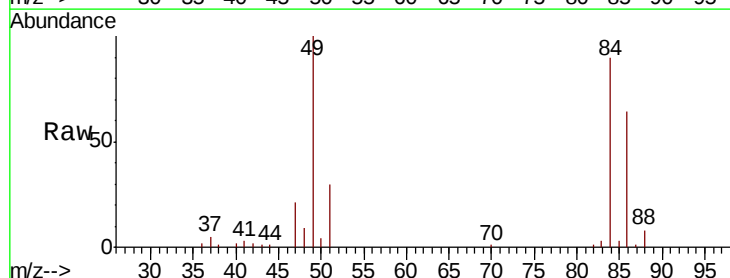
Instrument :
MSVOA_W
ClientSampleId :
VW0524SBSD01

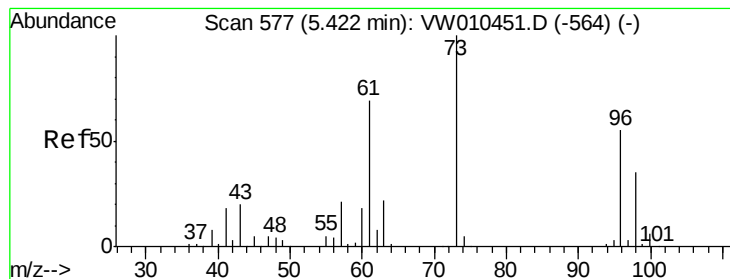
Tgt Ion: 73 Resp: 77099
Ion Ratio Lower Upper
73 100
57 21.4 17.4 26.0



#20
Methylene Chloride
Concen: 20.204 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW010547.D
Acq: 24 May 2019 13:42

Tgt Ion: 84 Resp: 40901
Ion Ratio Lower Upper
84 100
49 110.9 87.2 130.8
51 33.6 27.7 41.5
86 70.5 51.4 77.0





#21

trans-1,2-Dichloroethene

Concen: 20.375 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW010547.D

Acq: 24 May 2019 13:42

Instrument :

MSVOA_W

ClientSampleId :

VW0524SBSD01

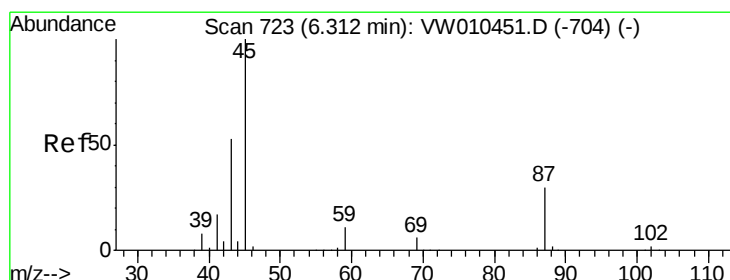
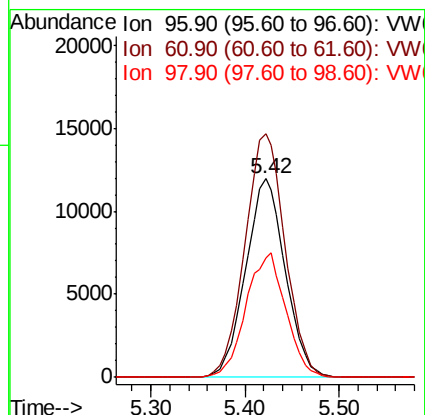
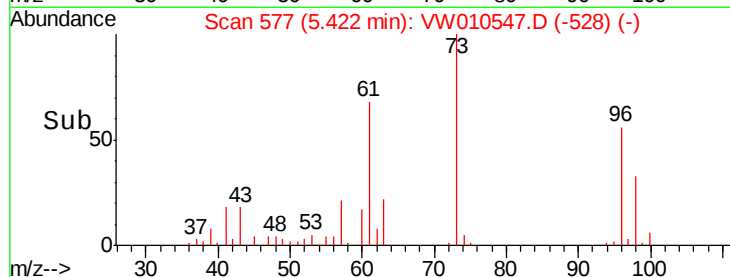
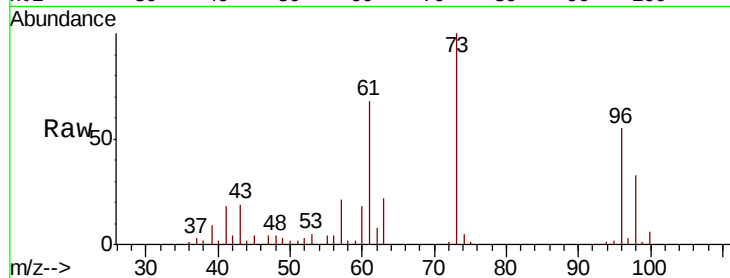
Tgt Ion: 96 Resp: 35164

Ion Ratio Lower Upper

96 100

61 122.6 101.4 152.0

98 60.0 50.6 76.0



#22

Diisopropyl ether

Concen: 19.954 ug/l

RT: 6.31 min Scan# 723

Delta R.T. -0.00 min

Lab File: VW010547.D

Acq: 24 May 2019 13:42

Tgt Ion: 45 Resp: 89112

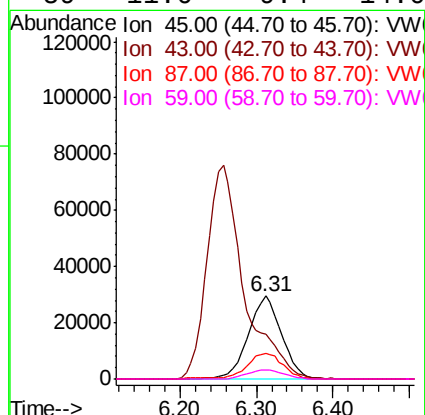
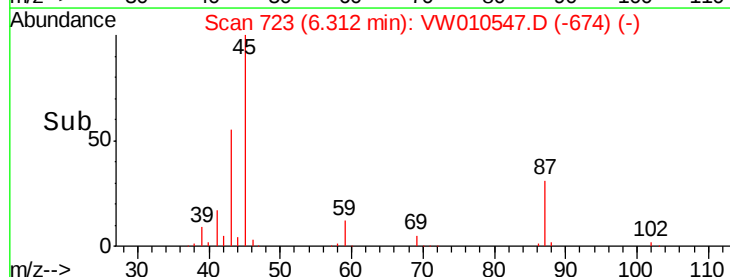
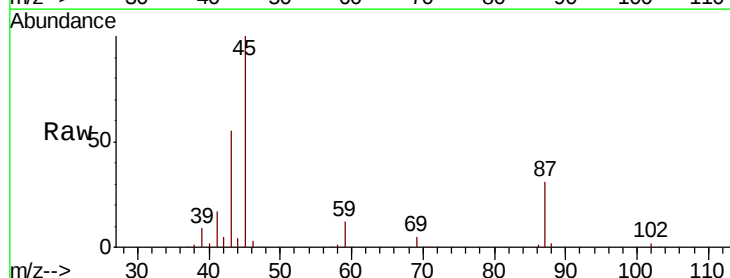
Ion Ratio Lower Upper

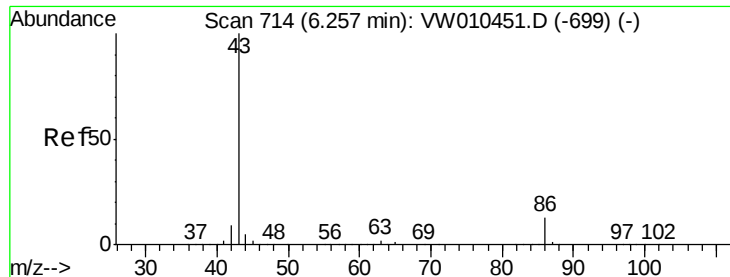
45 100

43 53.9 42.9 64.3

87 30.9 24.6 36.8

59 11.6 9.4 14.0





#23

Vinyl Acetate

Concen: 96.155 ug/l

RT: 6.26 min Scan# 714

Delta R.T. 0.00 min

Lab File: VW010547.D

Acq: 24 May 2019 13:42

Instrument :

MSVOA_W

ClientSampleId :

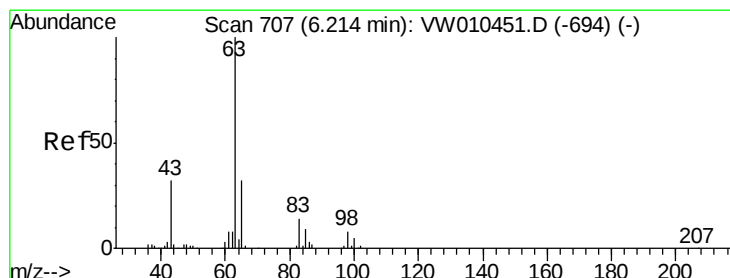
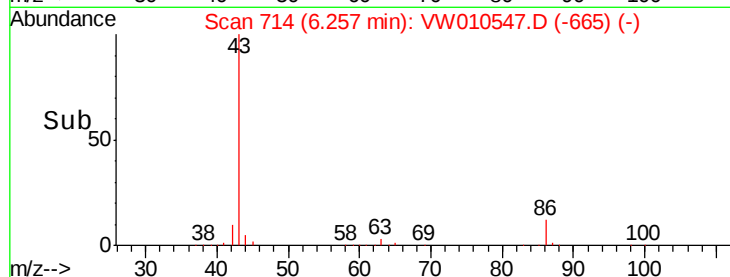
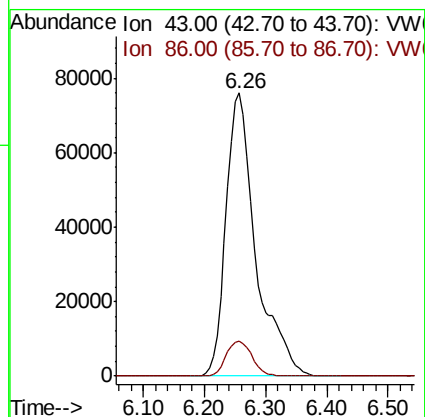
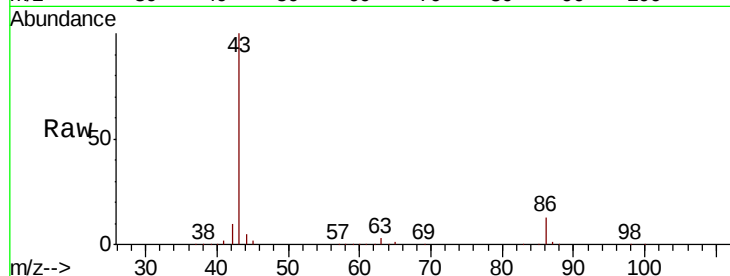
VW0524SBSD01

Tgt Ion: 43 Resp: 256507

Ion Ratio Lower Upper

43 100

86 12.5 10.3 15.5



#24

1,1-Dichloroethane

Concen: 20.674 ug/l

RT: 6.21 min Scan# 707

Delta R.T. 0.00 min

Lab File: VW010547.D

Acq: 24 May 2019 13:42

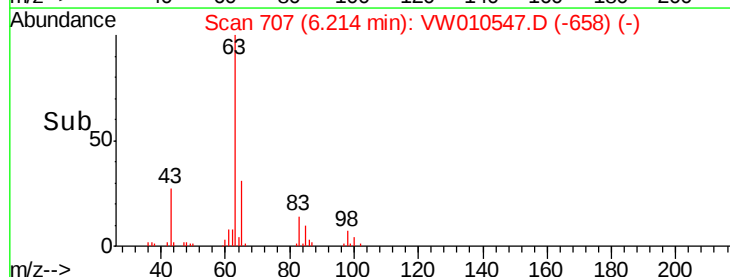
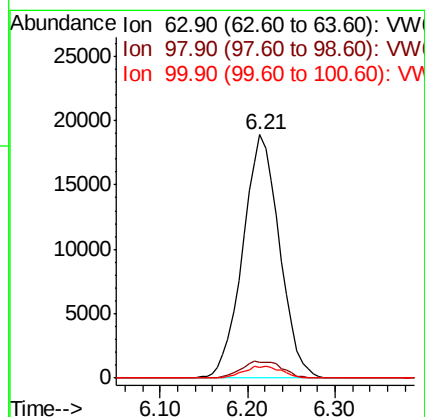
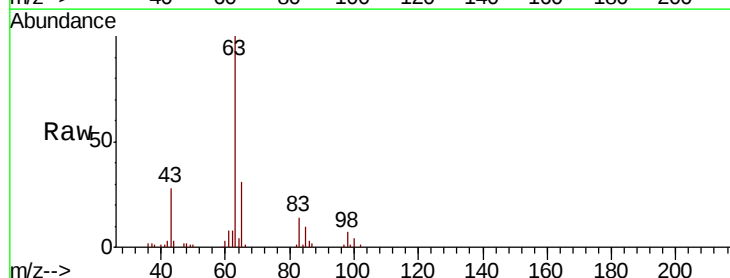
Tgt Ion: 63 Resp: 55095

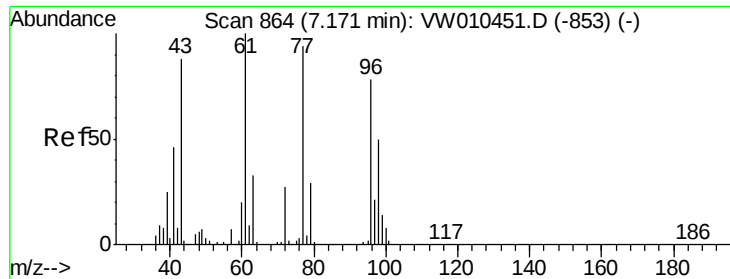
Ion Ratio Lower Upper

63 100

98 6.7 3.8 11.2

100 4.5 2.5 7.4

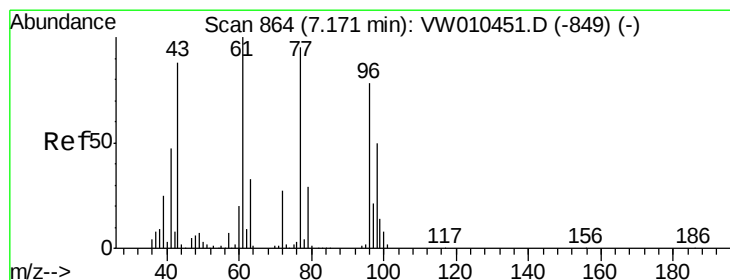
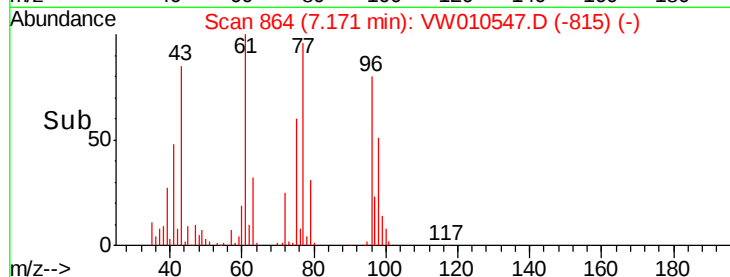
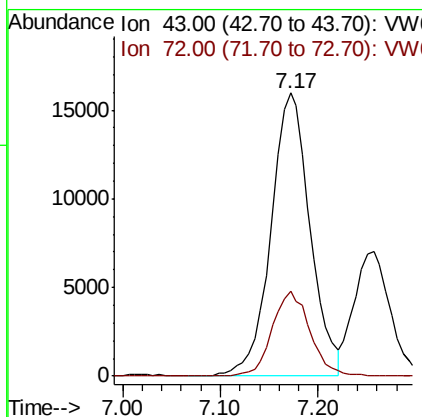
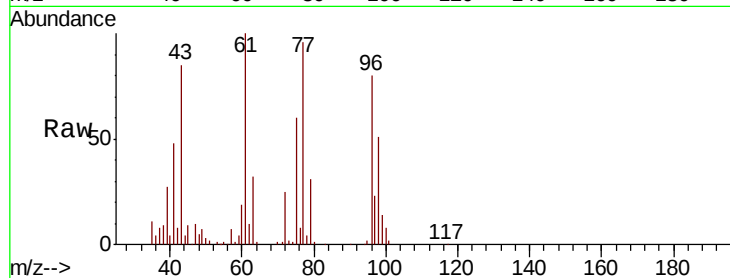




#25
2-Butanone
Concen: 104.080 ug/l
RT: 7.17 min Scan# 864
Delta R.T. 0.00 min
Lab File: VW010547.D
Acq: 24 May 2019 13:42

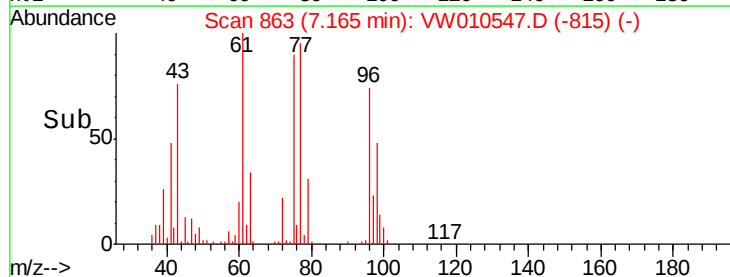
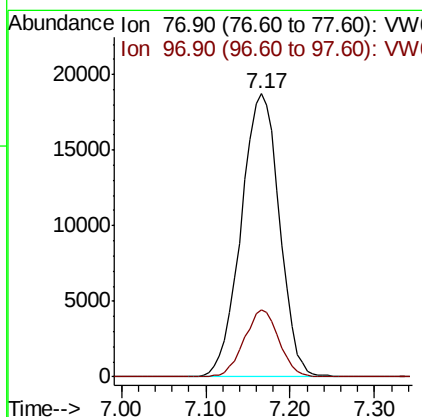
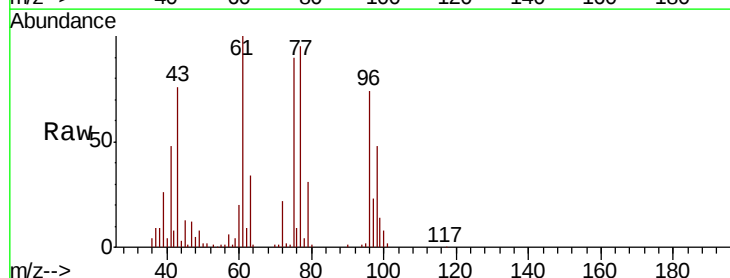
Instrument :
MSVOA_W
ClientSampleId :
VW0524SBSD01

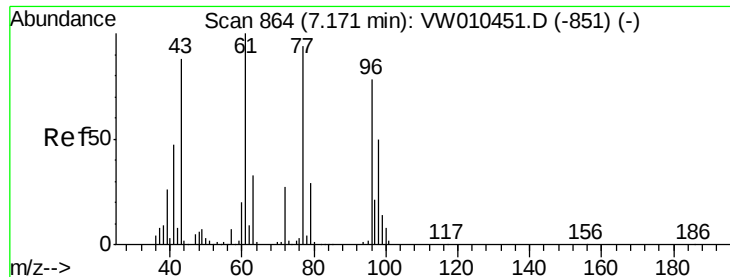
Tgt Ion: 43 Resp: 44703
Ion Ratio Lower Upper
43 100
72 29.8 24.1 36.1



#26
2,2-Dichloropropane
Concen: 22.742 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW010547.D
Acq: 24 May 2019 13:42

Tgt Ion: 77 Resp: 57731
Ion Ratio Lower Upper
77 100
97 21.4 11.7 35.0



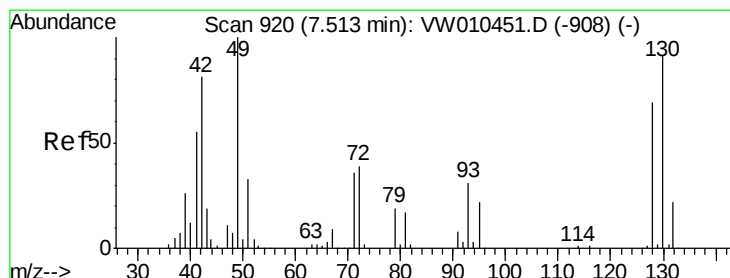
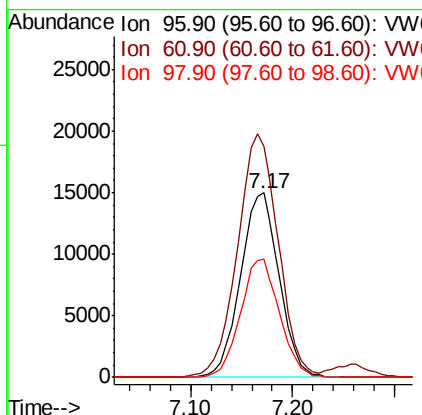
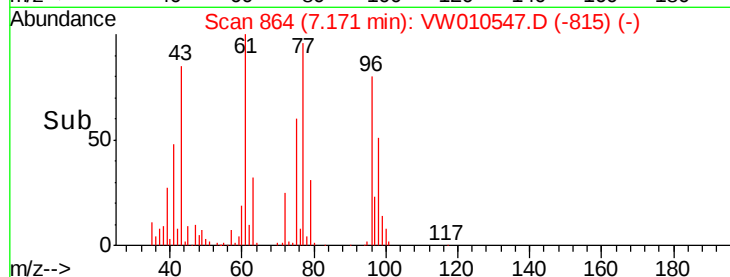
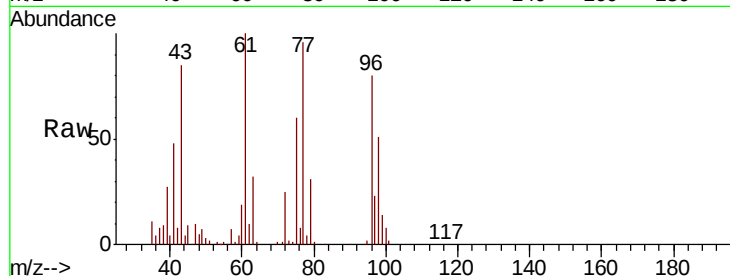


#27

cis-1,2-Dichloroethene
Concen: 20.985 ug/l
RT: 7.17 min Scan# 864
Delta R.T. 0.00 min
Lab File: VW010547.D
Acq: 24 May 2019 13:42

Instrument :
MSVOA_W
ClientSampleId :
VW0524SBSD01

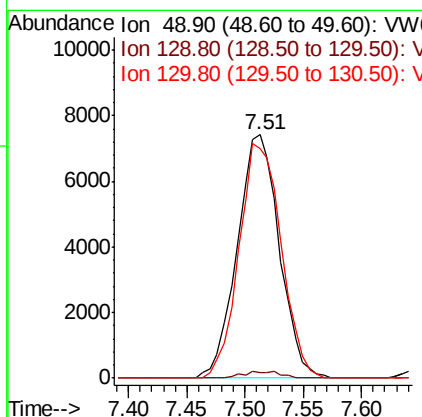
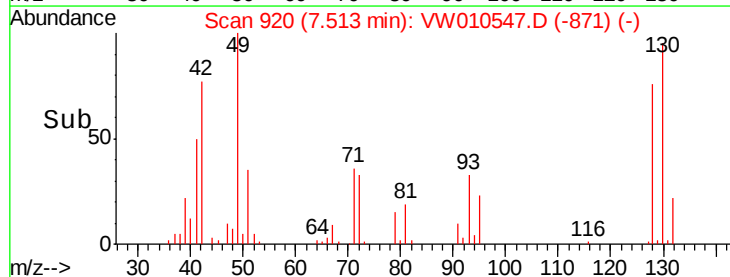
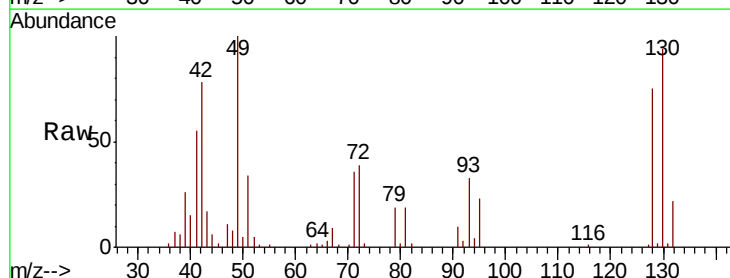
Tgt Ion: 96 Resp: 39374
Ion Ratio Lower Upper
96 100
61 138.9 0.0 265.4
98 64.4 0.0 129.4

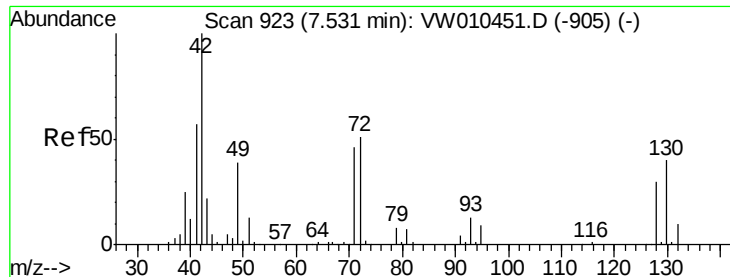


#28

Bromochloromethane
Concen: 19.512 ug/l
RT: 7.51 min Scan# 920
Delta R.T. 0.00 min
Lab File: VW010547.D
Acq: 24 May 2019 13:42

Tgt Ion: 49 Resp: 18618
Ion Ratio Lower Upper
49 100
129 2.4 0.0 4.8
130 96.7 71.2 106.8

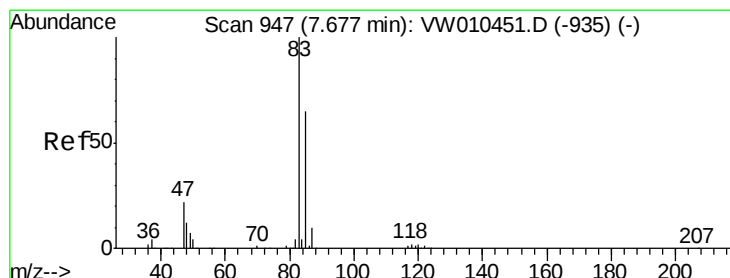
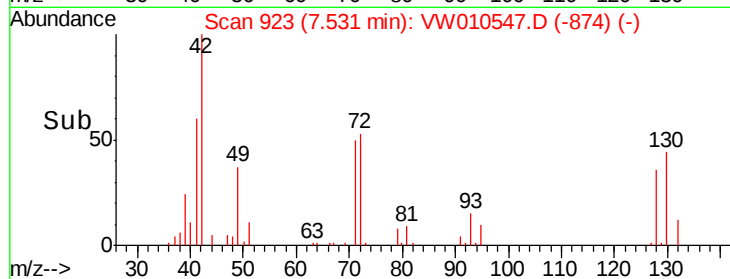
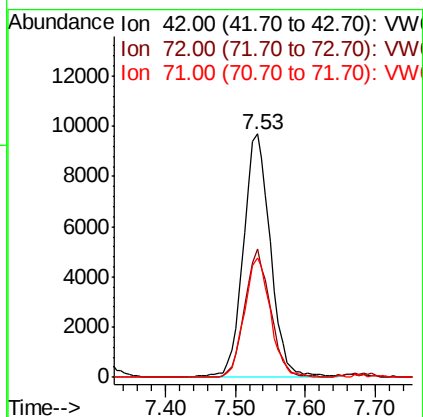
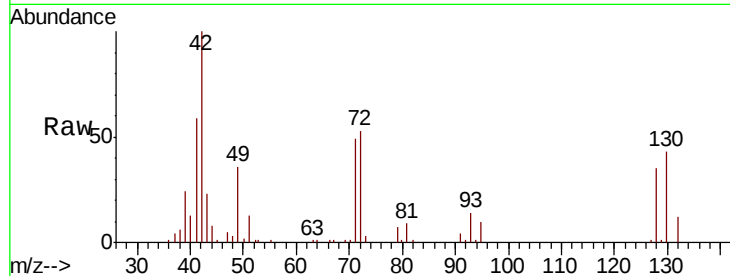




#29
Tetrahydrofuran
Concen: 89.872 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.00 min
Lab File: VW010547.D
Acq: 24 May 2019 13:42

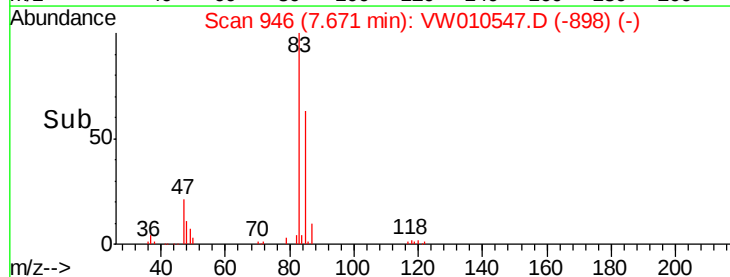
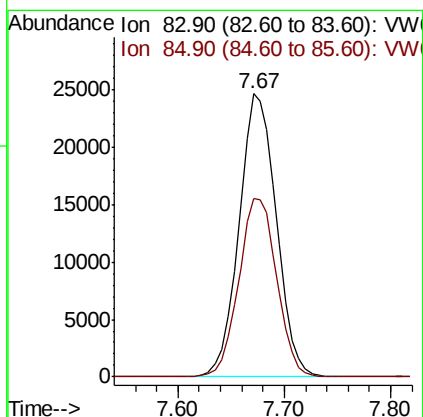
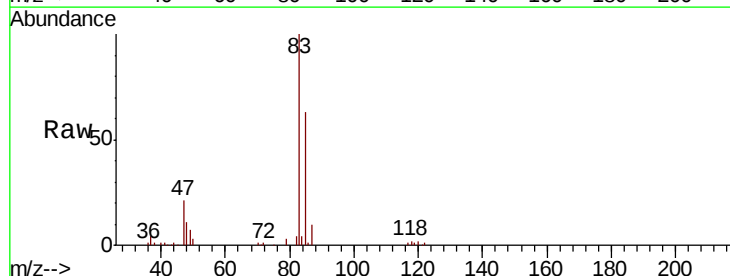
Instrument :
MSVOA_W
ClientSampleId :
VW0524SBSD01

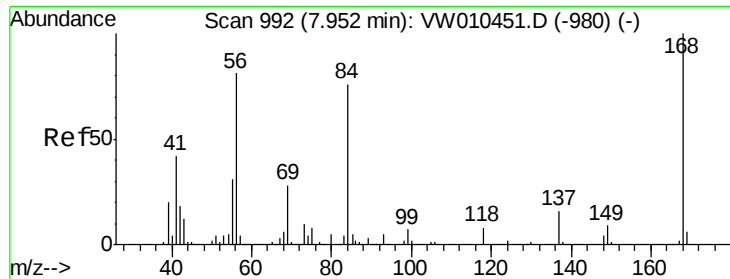
Tgt Ion: 42 Resp: 26120
Ion Ratio Lower Upper
42 100
72 49.7 38.5 57.7
71 47.4 36.5 54.7



#30
Chloroform
Concen: 21.016 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW010547.D
Acq: 24 May 2019 13:42

Tgt Ion: 83 Resp: 60412
Ion Ratio Lower Upper
83 100
85 63.0 52.2 78.4

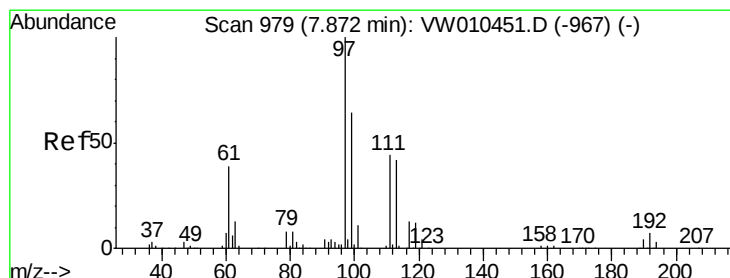
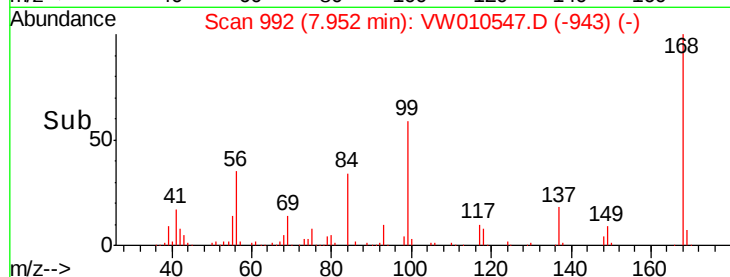
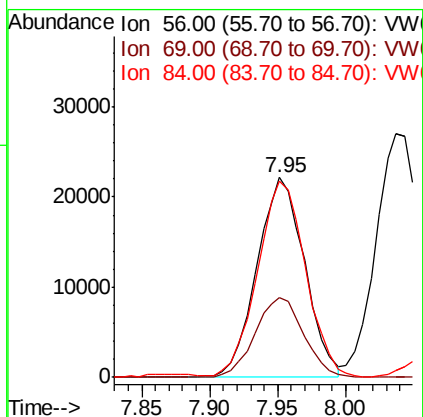
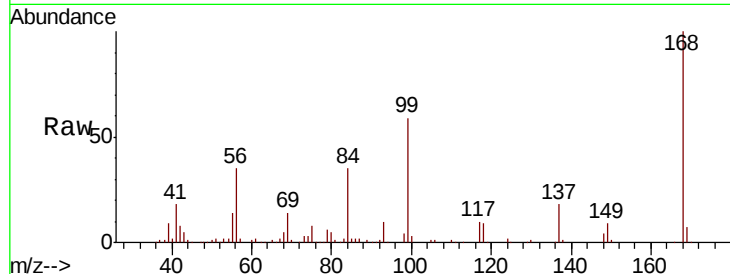




#31
Cyclohexane
Concen: 19.447 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW010547.D
Acq: 24 May 2019 13:42

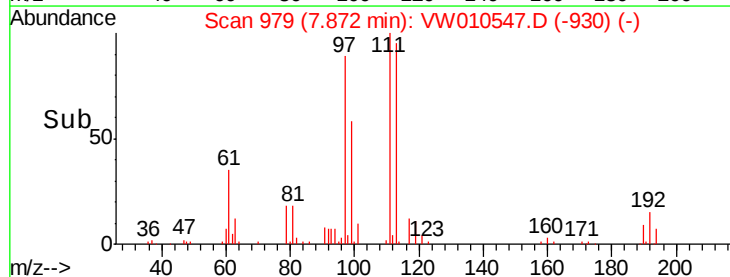
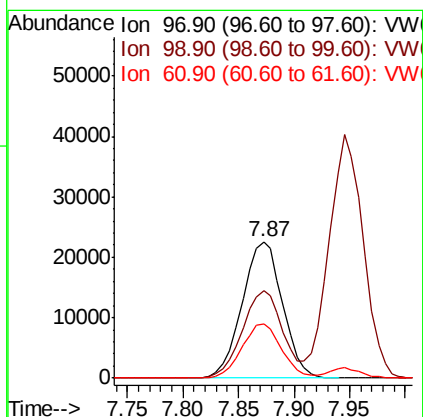
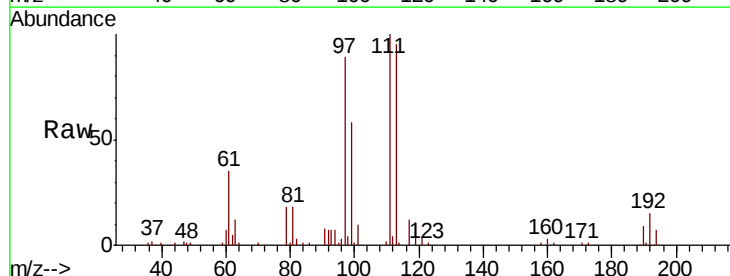
Instrument :
MSVOA_W
ClientSampleId :
VW0524SBSD01

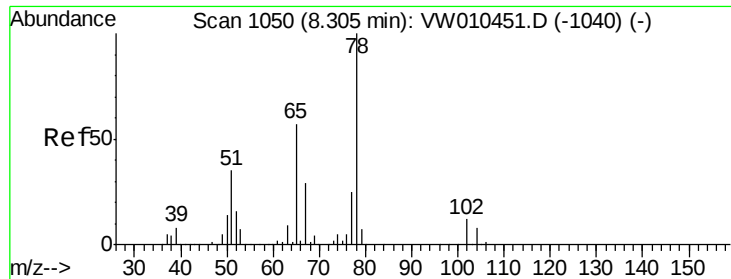
Tgt Ion: 56 Resp: 54288
Ion Ratio Lower Upper
56 100
69 39.7 28.2 42.2
84 96.6 75.8 113.8



#32
1,1,1-Trichloroethane
Concen: 20.628 ug/l
RT: 7.87 min Scan# 979
Delta R.T. 0.00 min
Lab File: VW010547.D
Acq: 24 May 2019 13:42

Tgt Ion: 97 Resp: 56676
Ion Ratio Lower Upper
97 100
99 63.1 50.8 76.2
61 39.1 32.1 48.1

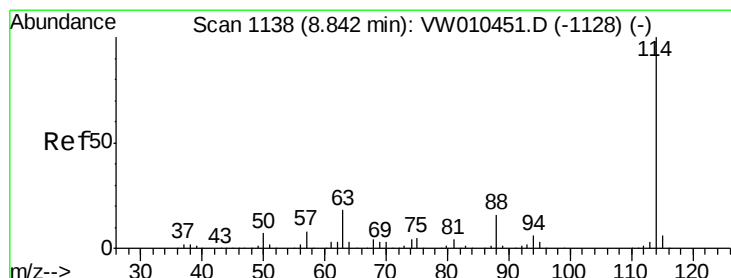
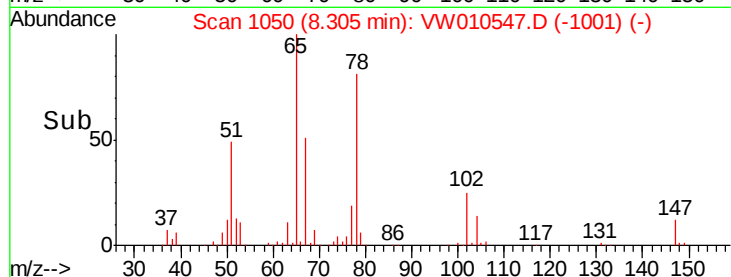
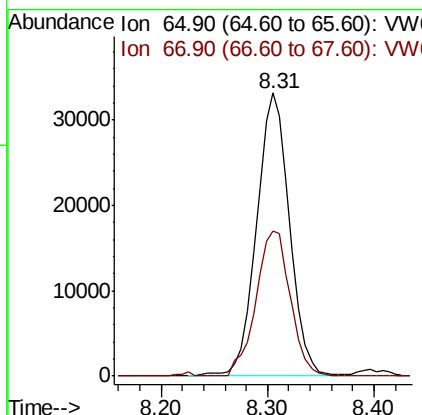
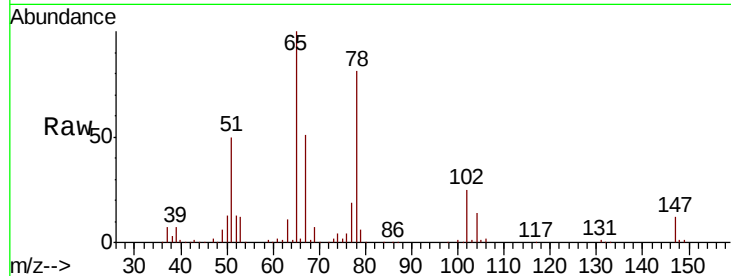




#33
 1,2-Dichloroethane-d4
 Concen: 48.738 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW010547.D
 Acq: 24 May 2019 13:42

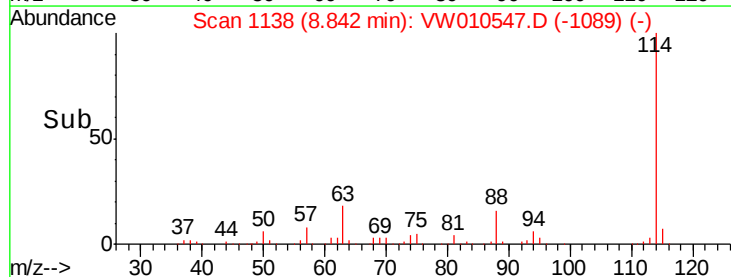
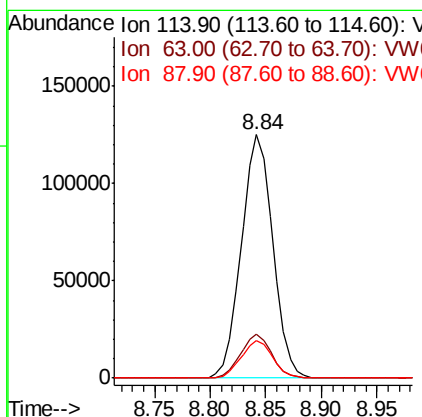
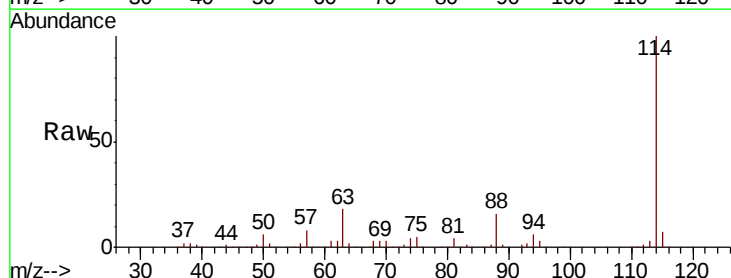
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0524SBSD01

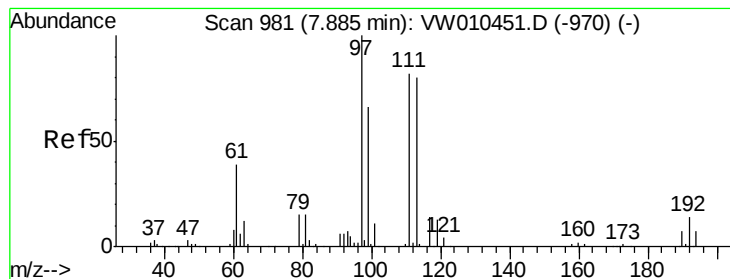
Tgt Ion: 65 Resp: 71660
 Ion Ratio Lower Upper
 65 100
 67 53.6 0.0 103.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW010547.D
 Acq: 24 May 2019 13:42

Tgt Ion: 114 Resp: 245395
 Ion Ratio Lower Upper
 114 100
 63 18.2 0.0 36.0
 88 15.6 0.0 32.0





#35

Dibromofluoromethane

Concen: 51.132 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW010547.D

Acq: 24 May 2019 13:42

Instrument :

MSVOA_W

ClientSampleId :

VW0524SBSD01

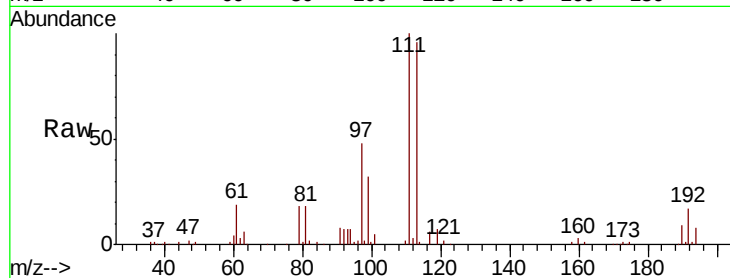
Tgt Ion:113 Resp: 76136

Ion Ratio Lower Upper

113 100

111 102.2 82.2 123.4

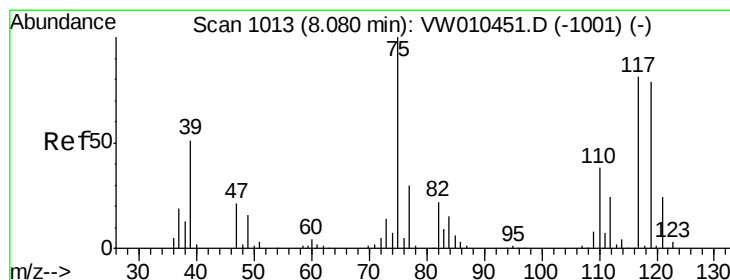
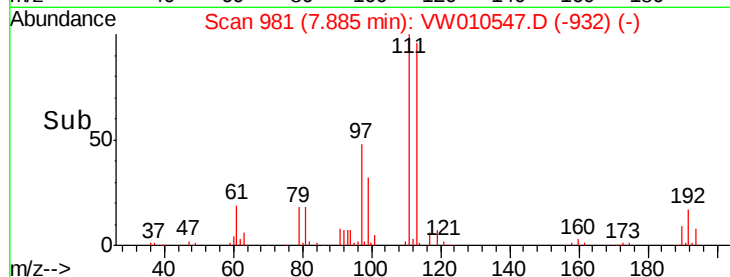
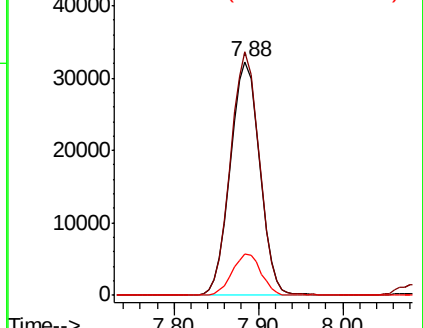
192 17.3 14.3 21.5



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 20.880 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. 0.00 min

Lab File: VW010547.D

Acq: 24 May 2019 13:42

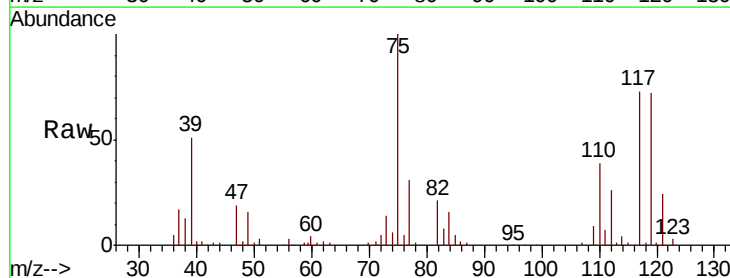
Tgt Ion: 75 Resp: 47732

Ion Ratio Lower Upper

75 100

110 38.9 19.2 57.6

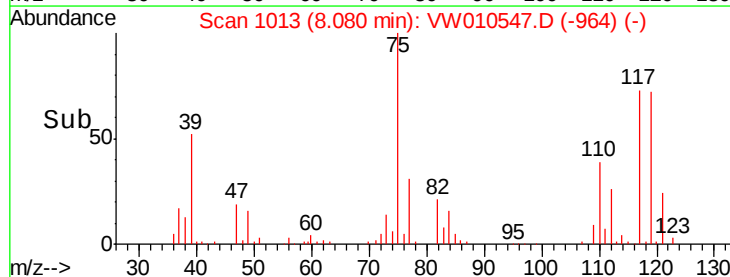
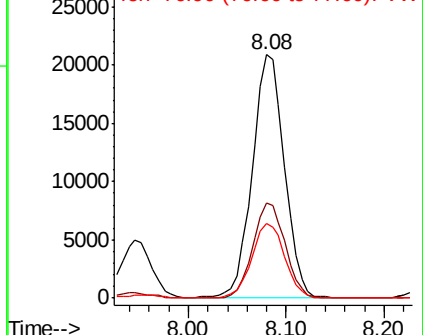
77 31.4 25.2 37.8

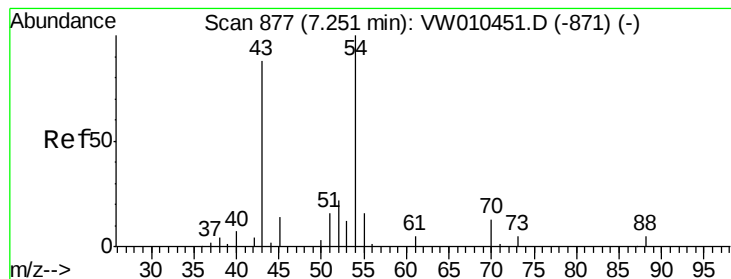


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





#37

Ethyl Acetate

Concen: 18.878 ug/l

RT: 7.26 min Scan# 878

Delta R.T. 0.01 min

Lab File: VW010547.D

Acq: 24 May 2019 13:42

Instrument :

MSVOA_W

ClientSampleId :

VW0524SBSD01

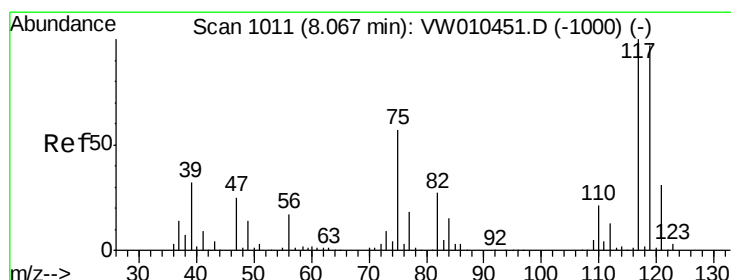
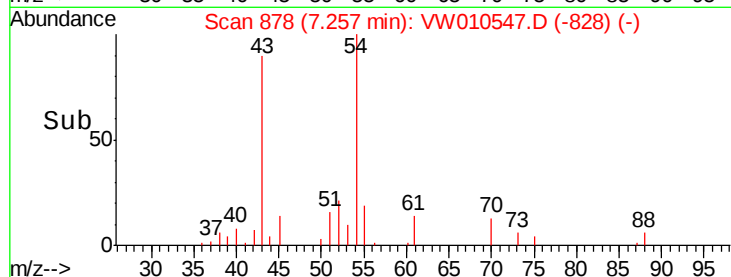
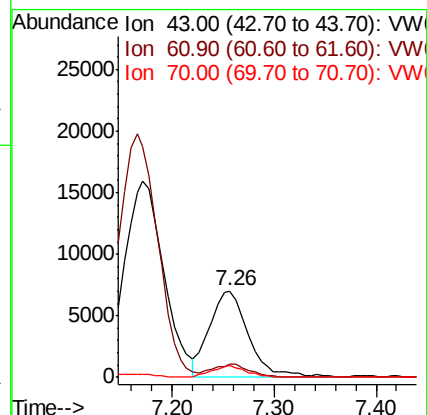
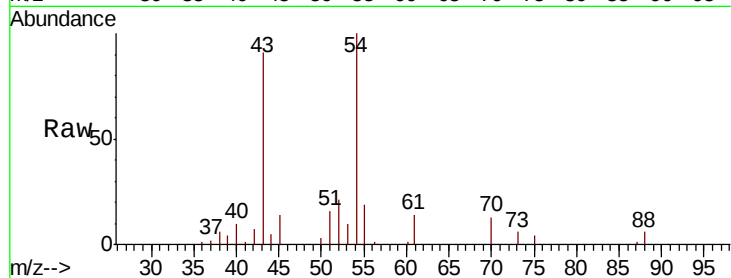
Tgt Ion: 43 Resp: 18351

Ion Ratio Lower Upper

43 100

61 14.6 11.2 16.8

70 12.4 9.9 14.9



#38

Carbon Tetrachloride

Concen: 20.666 ug/l

RT: 8.07 min Scan# 1011

Delta R.T. 0.00 min

Lab File: VW010547.D

Acq: 24 May 2019 13:42

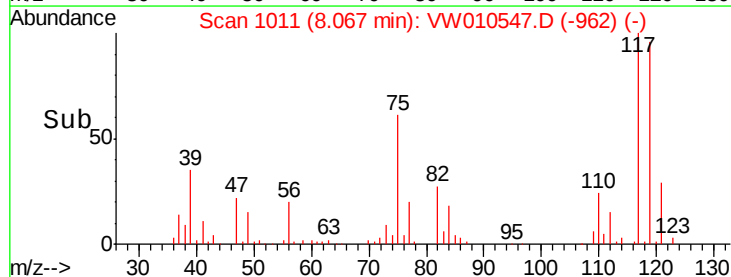
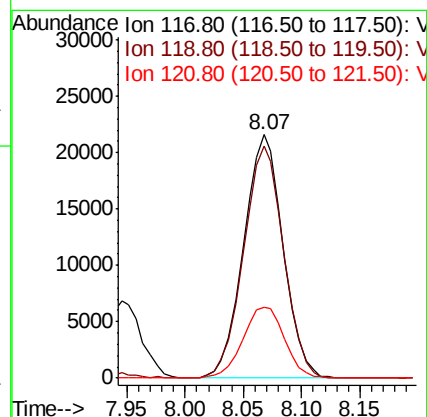
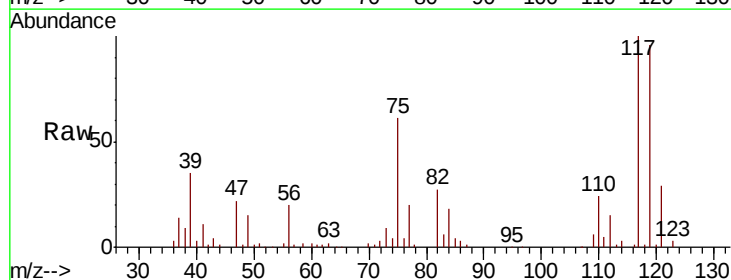
Tgt Ion: 117 Resp: 50963

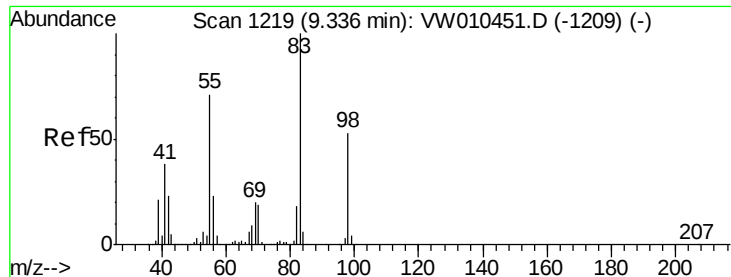
Ion Ratio Lower Upper

117 100

119 95.6 77.4 116.0

121 29.0 25.0 37.6

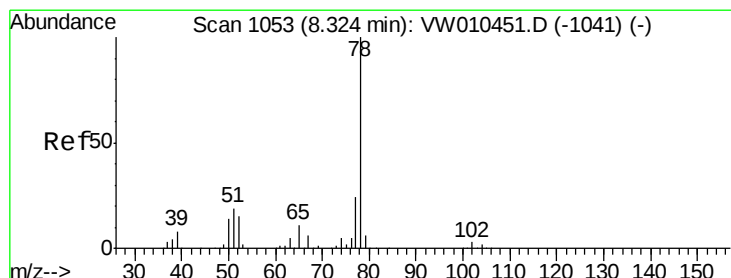
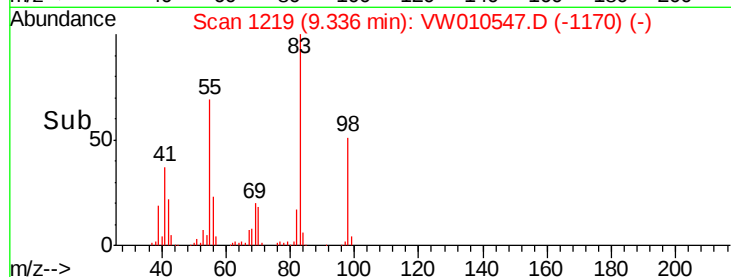
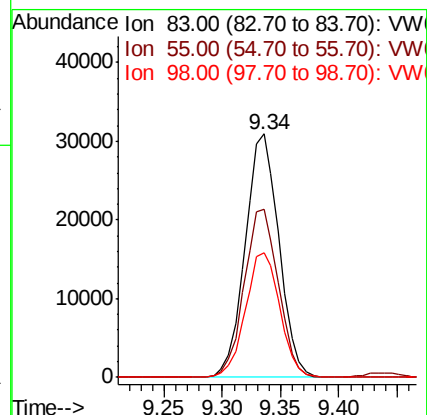
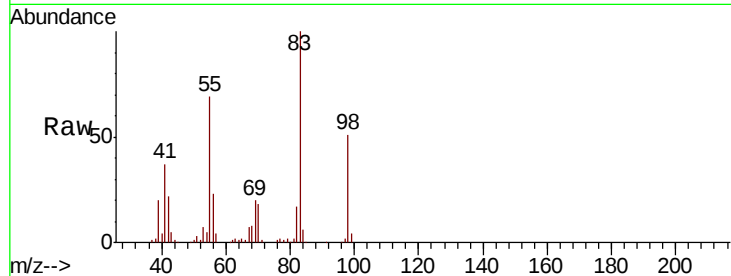




#39
Methylcyclohexane
Concen: 20.420 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW010547.D
Acq: 24 May 2019 13:42

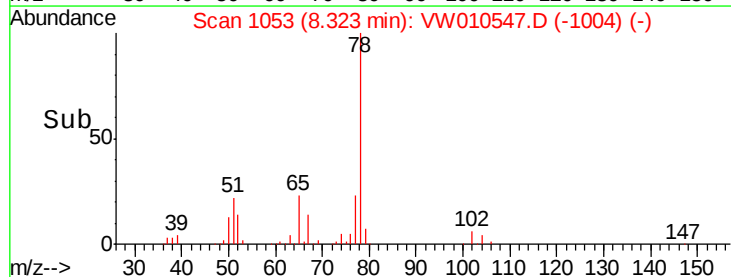
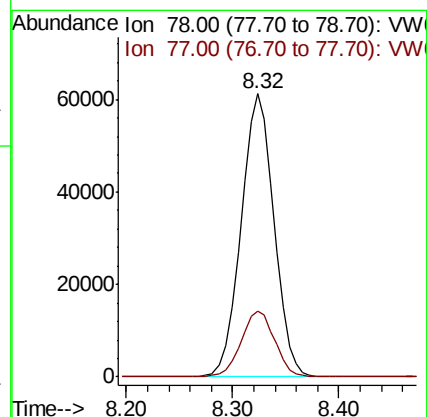
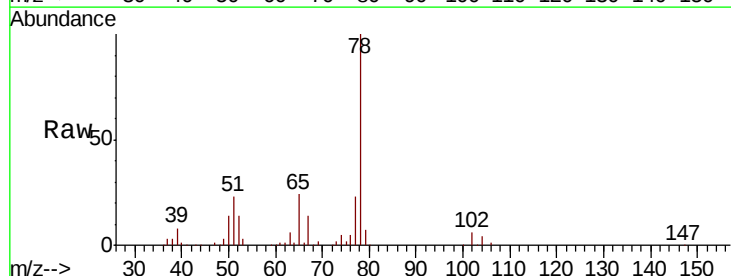
Instrument :
MSVOA_W
ClientSampleId :
VW0524SBSD01

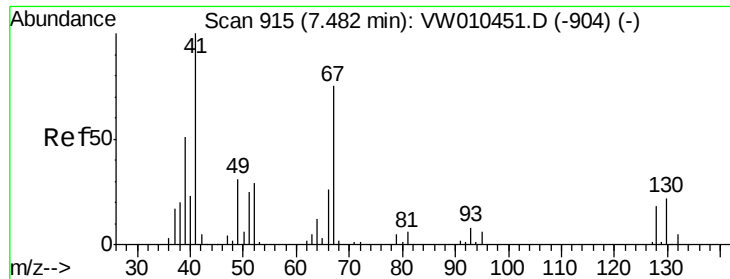
Tgt Ion: 83 Resp: 62540
Ion Ratio Lower Upper
83 100
55 69.0 57.0 85.6
98 50.9 42.0 63.0



#40
Benzene
Concen: 20.833 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW010547.D
Acq: 24 May 2019 13:42

Tgt Ion: 78 Resp: 132365
Ion Ratio Lower Upper
78 100
77 23.2 18.9 28.3

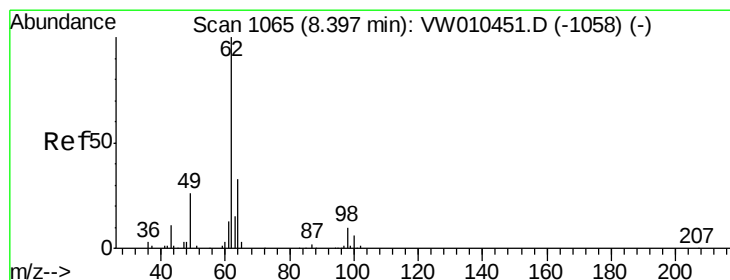
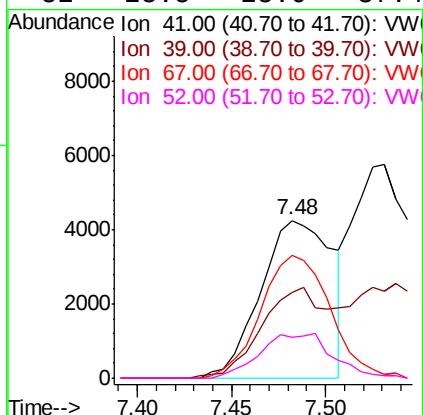
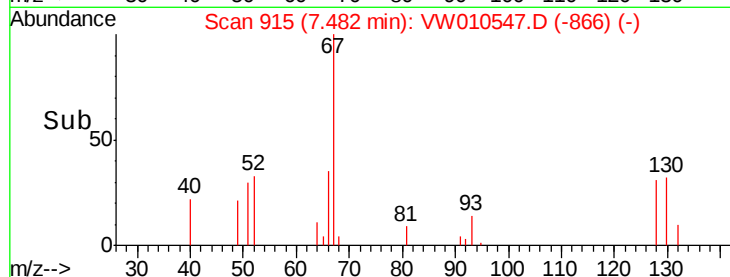
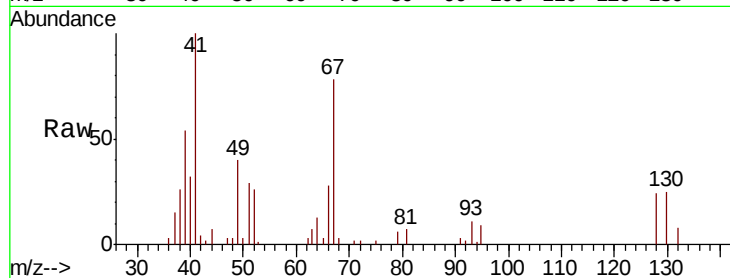




#41
Methacrylonitrile
Concen: 19.425 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW010547.D
Acq: 24 May 2019 13:42

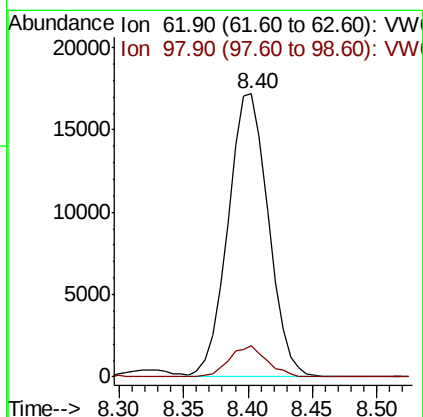
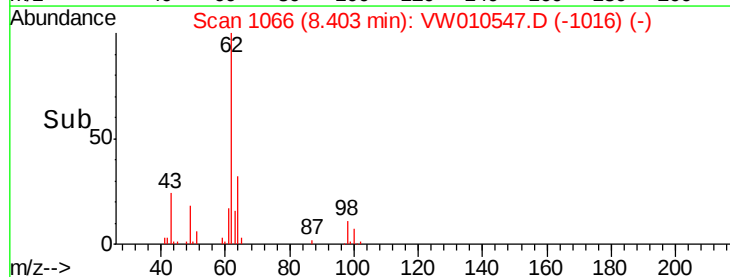
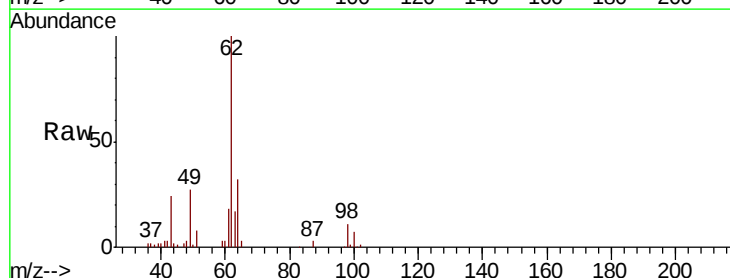
Instrument :
MSVOA_W
ClientSampleId :
VW0524SBSD01

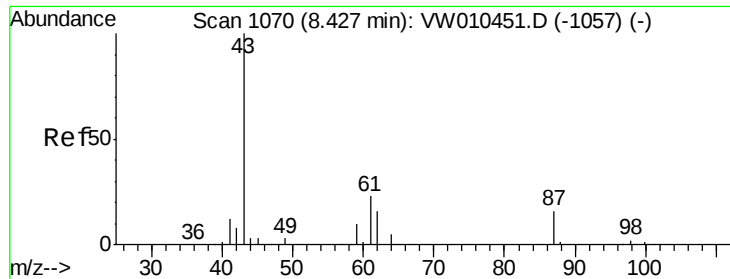
Tgt Ion:	41	Resp:	11220
Ion	Ratio	Lower	Upper
41	100		
39	49.0	47.4	71.2
67	75.6	65.5	98.3
52	28.5	25.0	37.4



#42
1,2-Dichloroethane
Concen: 20.675 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.01 min
Lab File: VW010547.D
Acq: 24 May 2019 13:42

Tgt Ion:	62	Resp:	37546
Ion	Ratio	Lower	Upper
62	100		
98	10.4	0.0	21.0





#43

Isopropyl Acetate

Concen: 18.499 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.00 min

Lab File: VW010547.D

Acq: 24 May 2019 13:42

Instrument :

MSVOA_W

ClientSampleId :

VW0524SBSD01

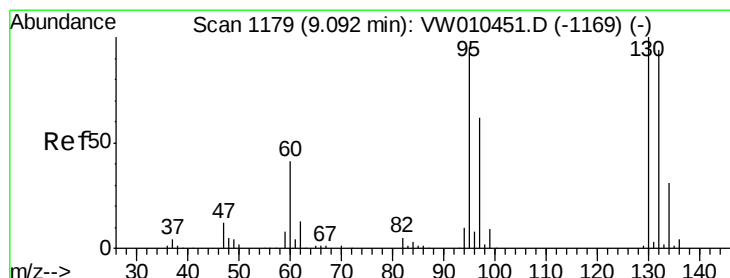
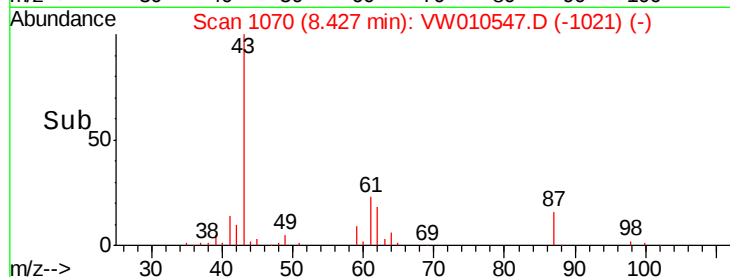
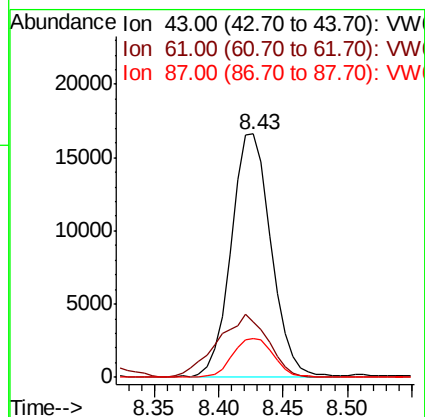
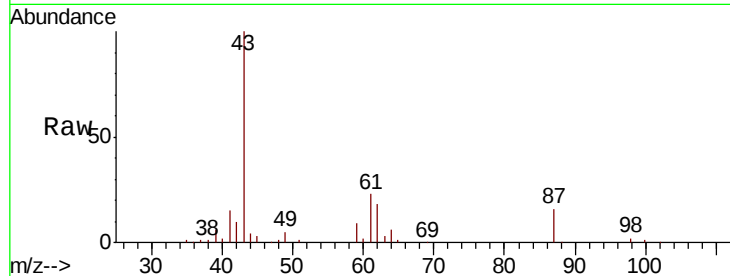
Tgt Ion: 43 Resp: 35926

Ion Ratio Lower Upper

43 100

61 32.8 25.4 38.2

87 16.2 12.7 19.1



#44

Trichloroethene

Concen: 21.300 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW010547.D

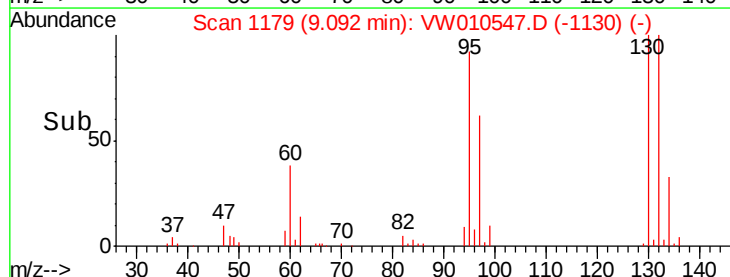
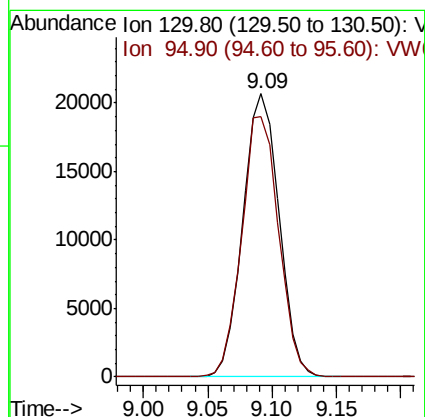
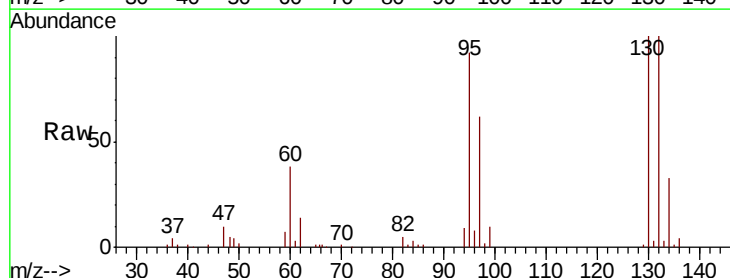
Acq: 24 May 2019 13:42

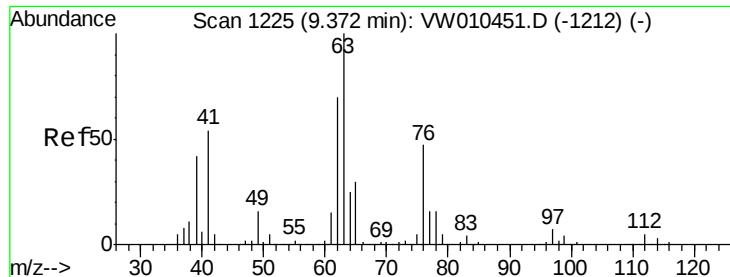
Tgt Ion: 130 Resp: 40178

Ion Ratio Lower Upper

130 100

95 92.0 0.0 189.6





#45

1,2-Dichloropropane

Concen: 20.447 ug/l

RT: 9.37 min Scan# 1225

Delta R.T. 0.00 min

Lab File: VW010547.D

Acq: 24 May 2019 13:42

Instrument :

MSVOA_W

ClientSampleId :

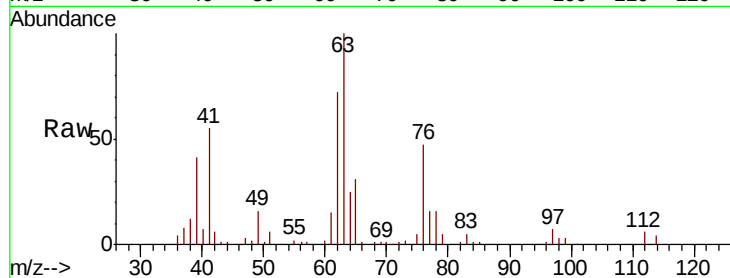
VW0524SBSD01

Tgt Ion: 63 Resp: 30854

Ion Ratio Lower Upper

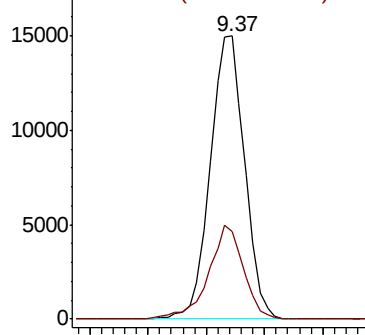
63 100

65 30.9 24.3 36.5

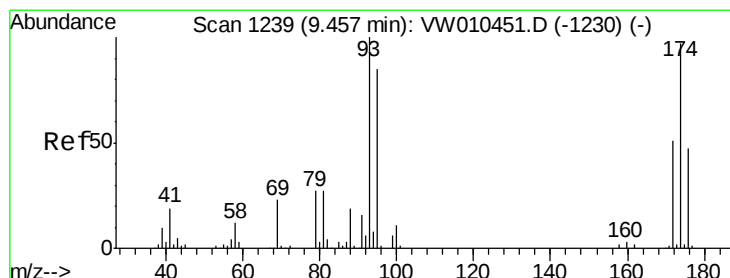
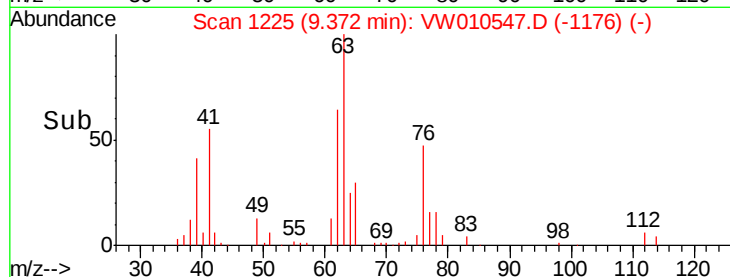


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 64.90 (64.60 to 65.60): VW



Time-->



#46

Dibromomethane

Concen: 21.045 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VW010547.D

Acq: 24 May 2019 13:42

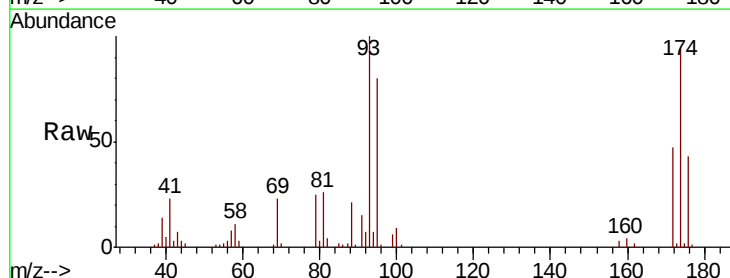
Tgt Ion: 93 Resp: 18572

Ion Ratio Lower Upper

93 100

95 81.0 66.1 99.1

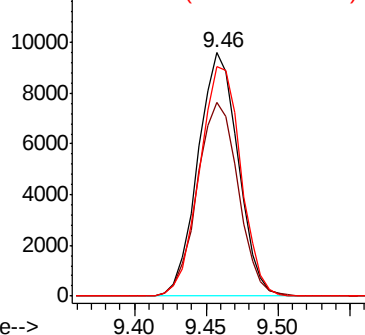
174 96.3 77.1 115.7



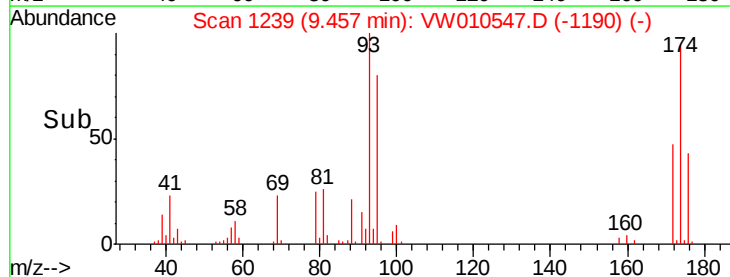
Abundance Ion 92.80 (92.50 to 93.50): VW

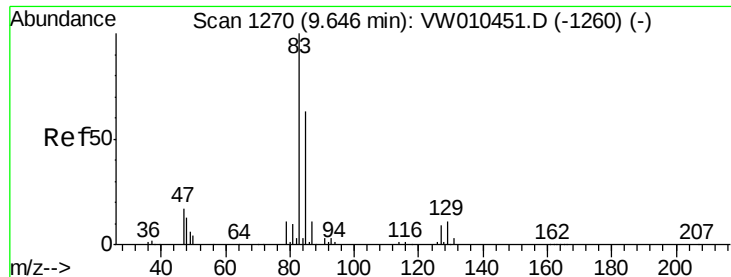
Ion 94.80 (94.50 to 95.50): VW

Ion 173.70 (173.40 to 174.40): V



Time-->





#47

Bromodichloromethane

Concen: 20.369 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VW010547.D

Acq: 24 May 2019 13:42

Instrument :

MSVOA_W

ClientSampleId :

VW0524SBSD01

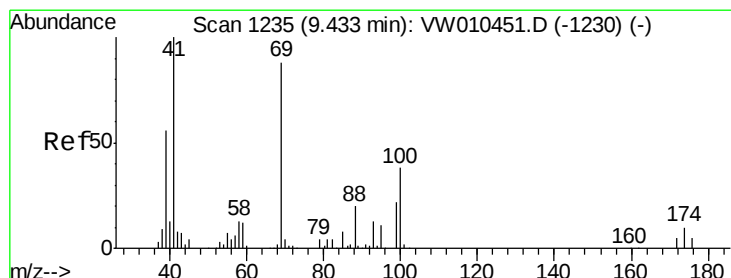
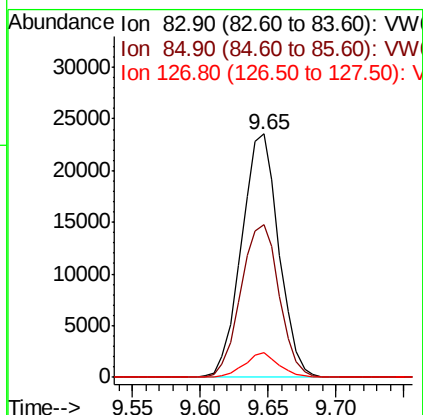
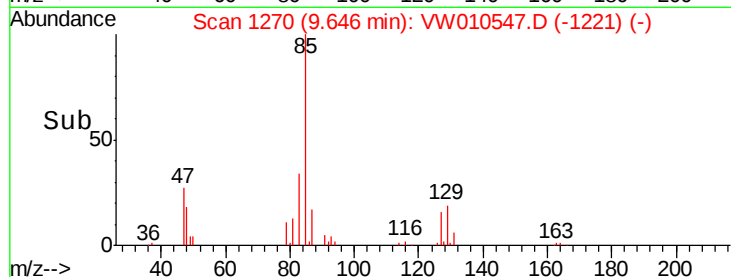
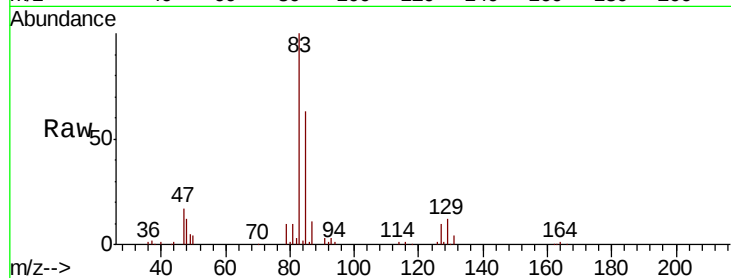
Tgt Ion: 83 Resp: 45173

Ion Ratio Lower Upper

83 100

85 62.7 50.4 75.6

127 10.2 7.4 11.0



#48

Methyl methacrylate

Concen: 18.312 ug/l

RT: 9.44 min Scan# 1236

Delta R.T. 0.01 min

Lab File: VW010547.D

Acq: 24 May 2019 13:42

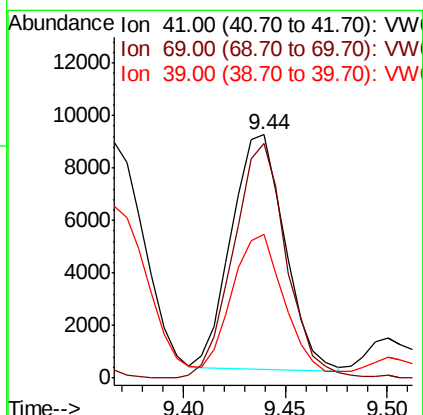
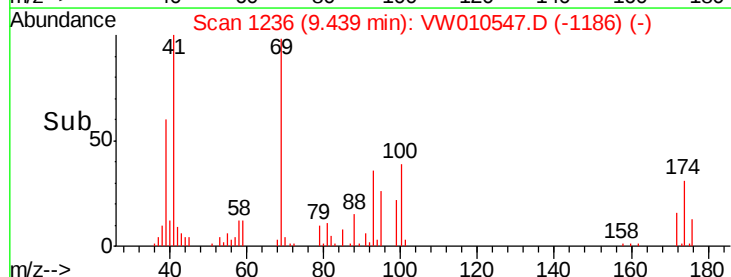
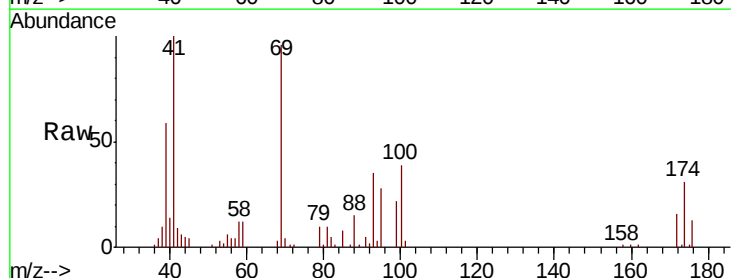
Tgt Ion: 41 Resp: 16270

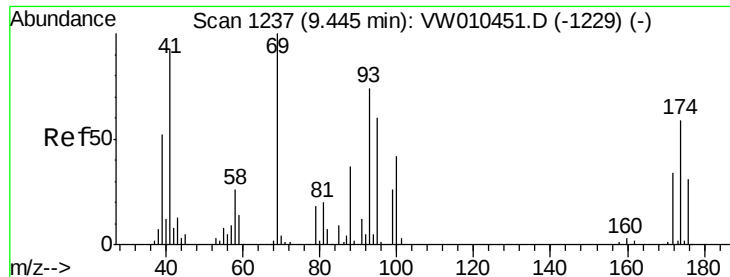
Ion Ratio Lower Upper

41 100

69 99.4 77.6 116.4

39 55.5 49.8 74.8





#49

1,4-Dioxane

Concen: 325.469 ug/l

RT: 9.45 min Scan# 1238

Delta R.T. 0.01 min

Lab File: VW010547.D

Acq: 24 May 2019 13:42

Instrument :

MSVOA_W

ClientSampleId :

VW0524SBSD01

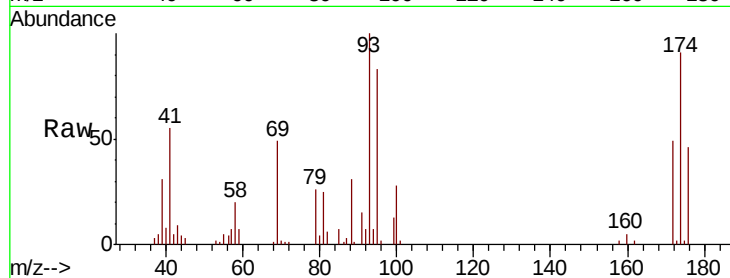
Tgt Ion: 88 Resp: 4692

Ion Ratio Lower Upper

88 100

43 24.6 25.9 38.9#

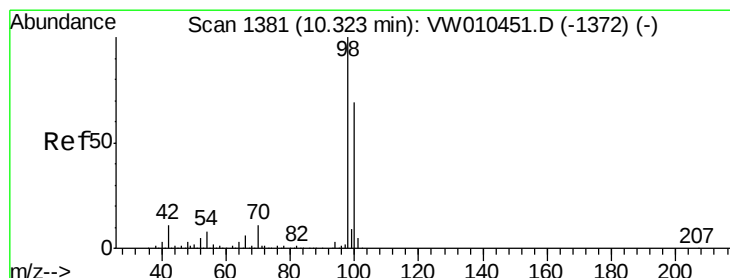
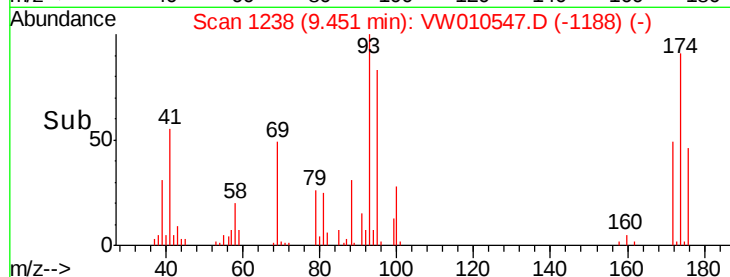
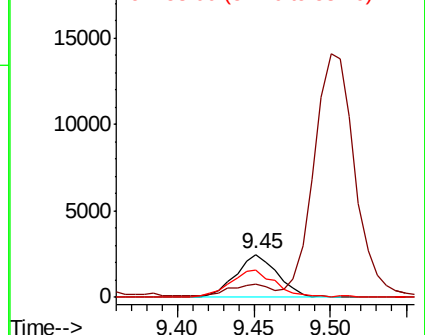
58 69.5 52.7 79.1



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: 50.991 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW010547.D

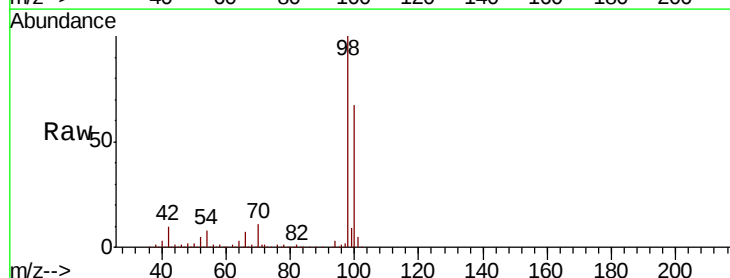
Acq: 24 May 2019 13:42

Tgt Ion: 98 Resp: 290056

Ion Ratio Lower Upper

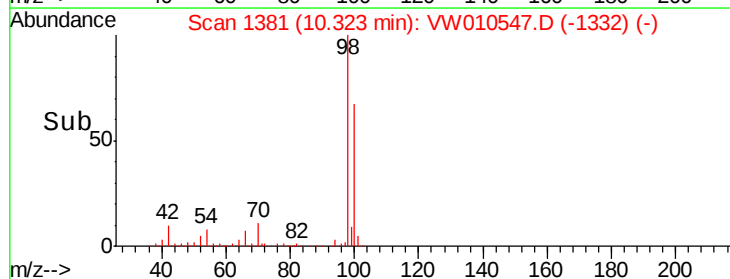
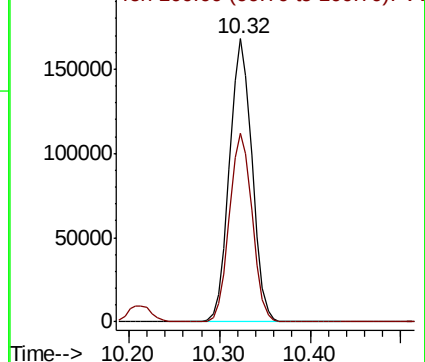
98 100

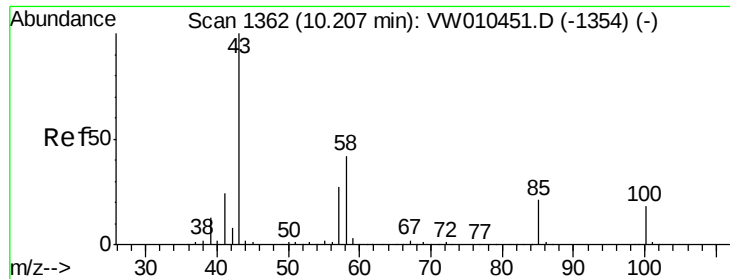
100 67.2 53.7 80.5



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

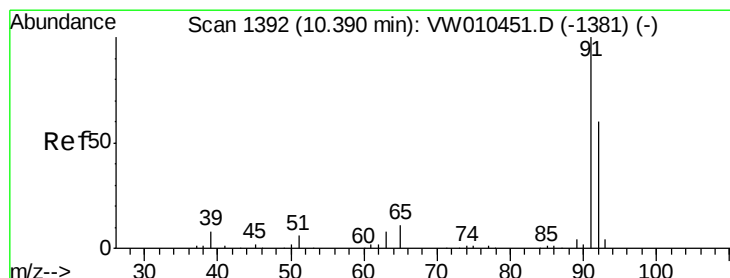
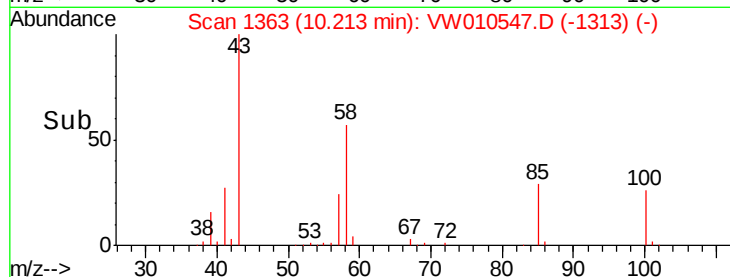
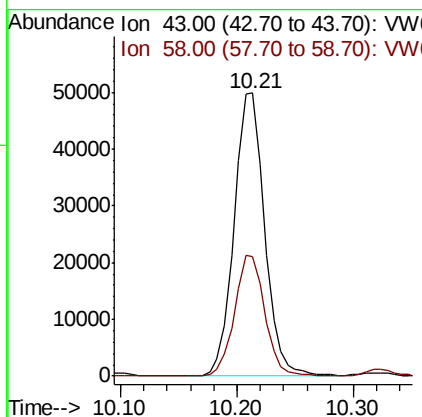
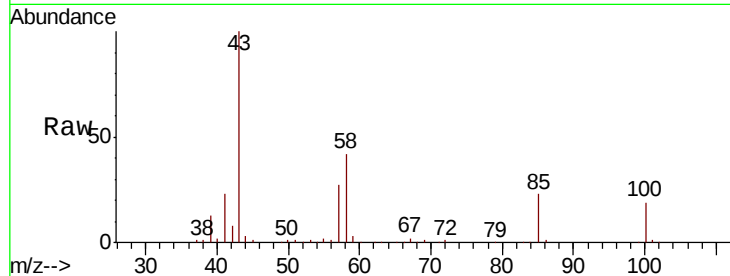




#51
 4-Methyl-2-Pentanone
 Concen: 92.948 ug/l
 RT: 10.21 min Scan# 1363
 Delta R.T. 0.01 min
 Lab File: VW010547.D
 Acq: 24 May 2019 13:42

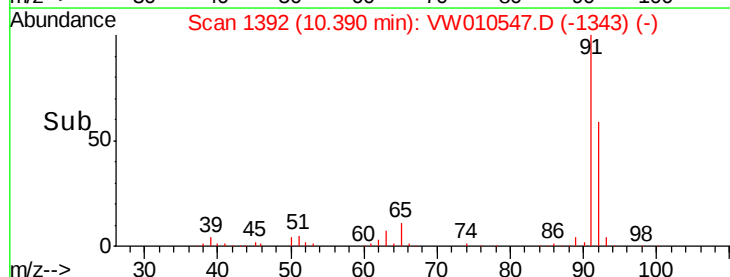
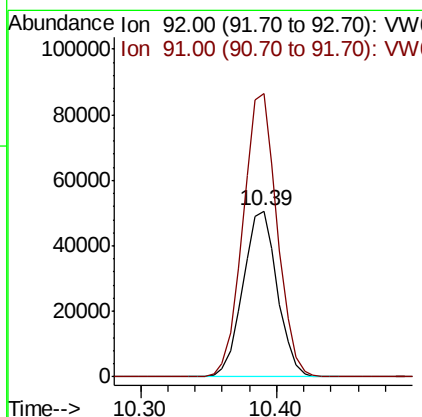
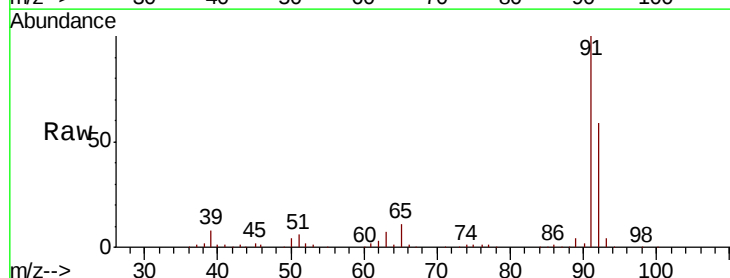
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0524SBSD01

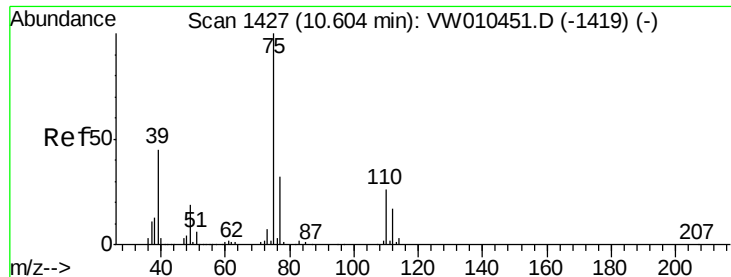
Tgt Ion: 43 Resp: 91469
 Ion Ratio Lower Upper
 43 100
 58 42.0 33.2 49.8



#52
 Toluene
 Concen: 20.966 ug/l
 RT: 10.39 min Scan# 1392
 Delta R.T. 0.00 min
 Lab File: VW010547.D
 Acq: 24 May 2019 13:42

Tgt Ion: 92 Resp: 89461
 Ion Ratio Lower Upper
 92 100
 91 169.4 135.4 203.0





#53

t-1,3-Dichloropropene

Concen: 20.093 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW010547.D

Acq: 24 May 2019 13:42

Instrument :

MSVOA_W

ClientSampleId :

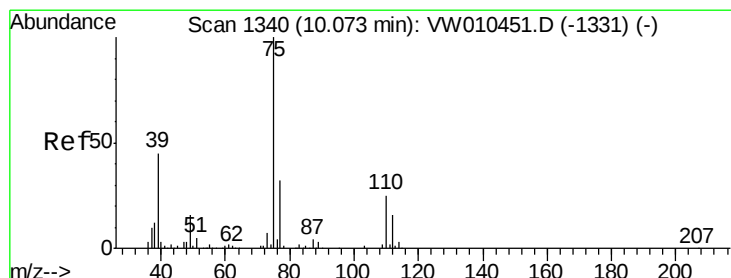
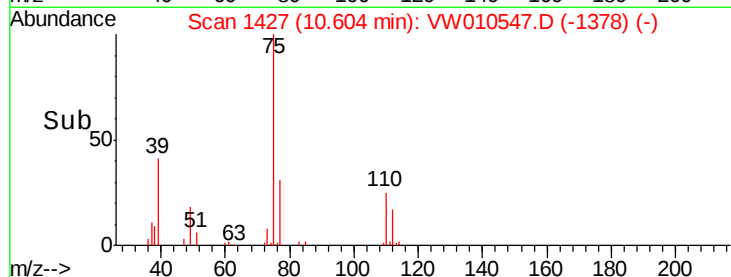
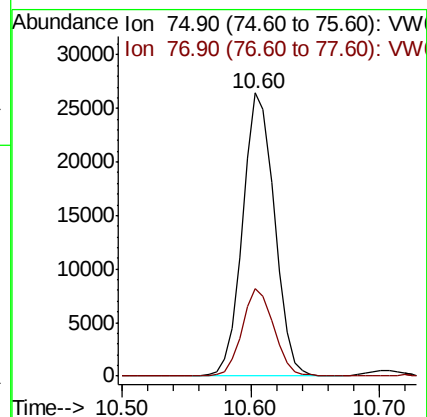
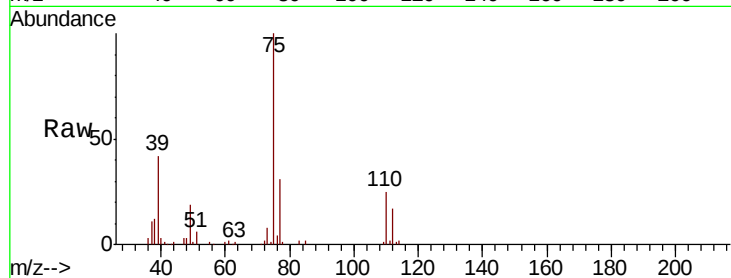
VW0524SBSD01

Tgt Ion: 75 Resp: 45130

Ion Ratio Lower Upper

75 100

77 30.9 25.4 38.0



#54

cis-1,3-Dichloropropene

Concen: 20.573 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW010547.D

Acq: 24 May 2019 13:42

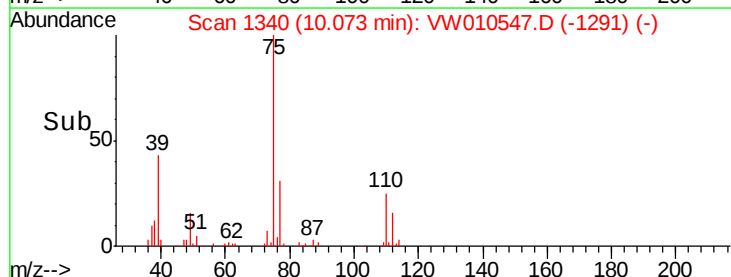
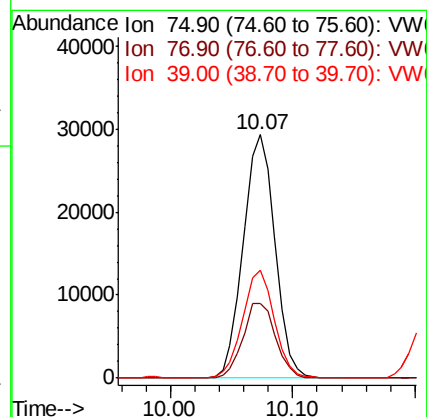
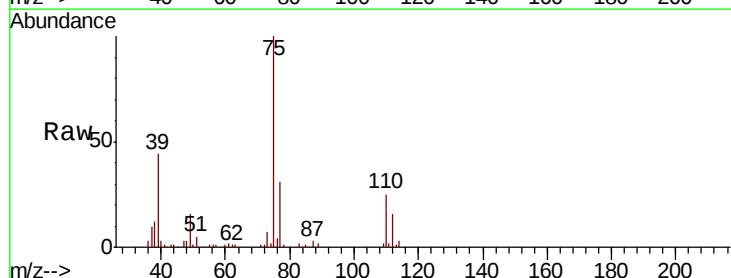
Tgt Ion: 75 Resp: 52772

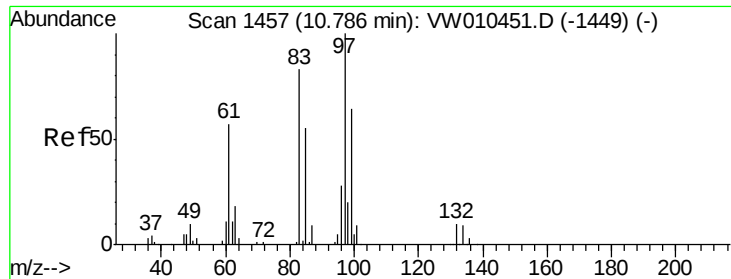
Ion Ratio Lower Upper

75 100

77 30.5 25.7 38.5

39 44.2 36.2 54.4

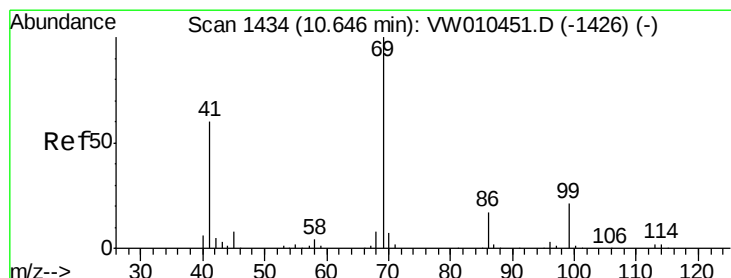
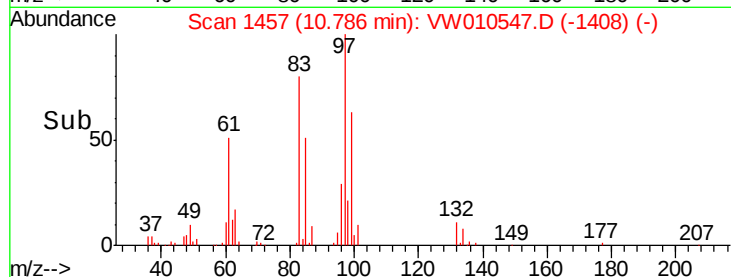
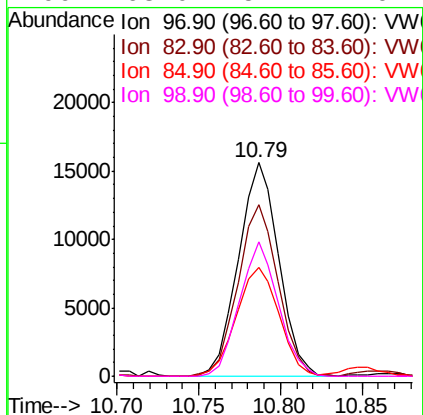
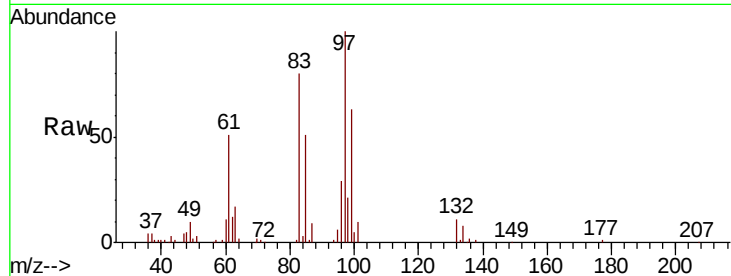




#55
 1,1,2-Trichloroethane
 Concen: 21.148 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW010547.D
 Acq: 24 May 2019 13:42

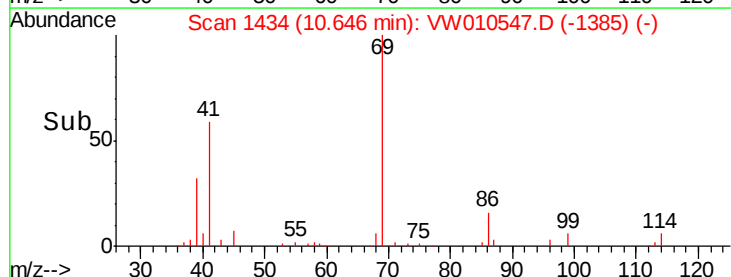
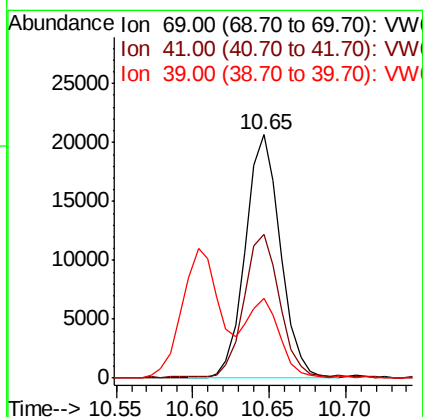
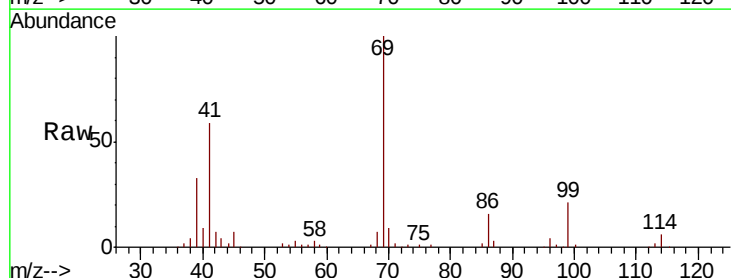
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0524SBSD01

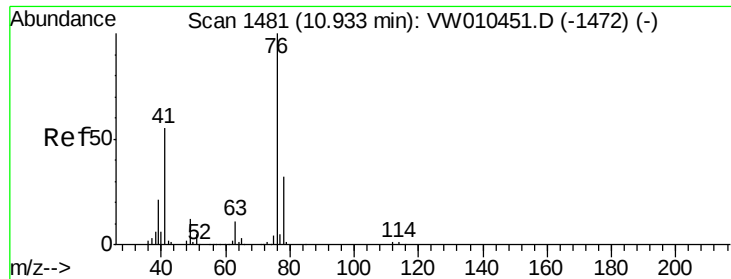
Tgt Ion:	97	Resp:	26837
Ion	Ratio	Lower	Upper
97	100		
83	80.4	66.1	99.1
85	50.9	44.2	66.4
99	63.0	51.1	76.7



#56
 Ethyl methacrylate
 Concen: 18.749 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW010547.D
 Acq: 24 May 2019 13:42

Tgt Ion:	69	Resp:	32814
Ion	Ratio	Lower	Upper
69	100		
41	60.6	47.7	71.5
39	31.8	25.3	37.9

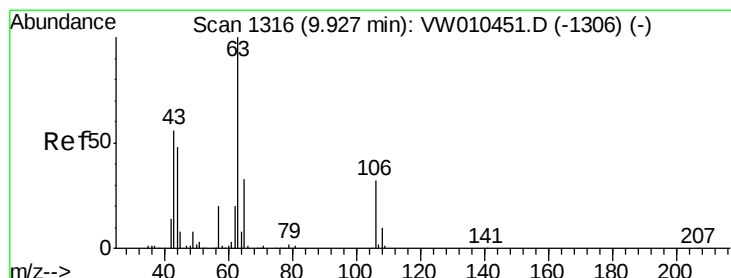
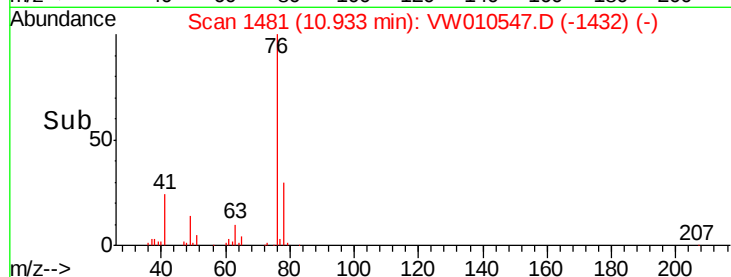
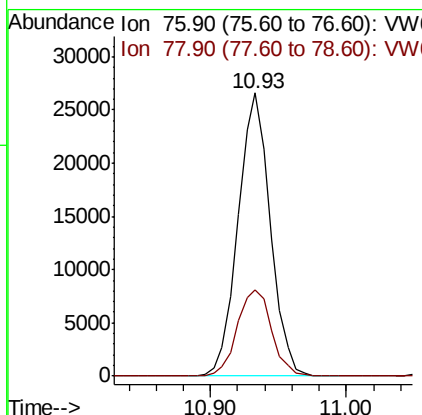
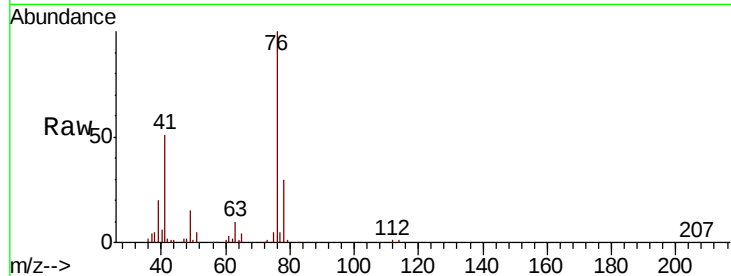




#57
 1,3-Dichloropropane
 Concen: 20.713 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW010547.D
 Acq: 24 May 2019 13:42

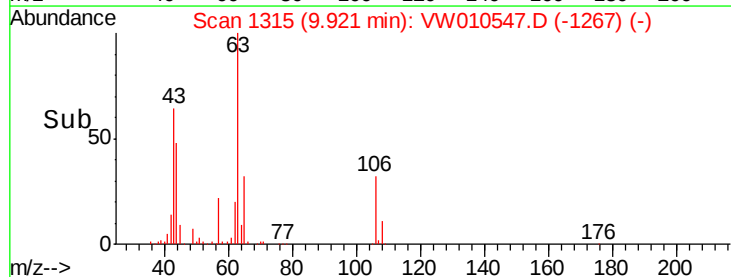
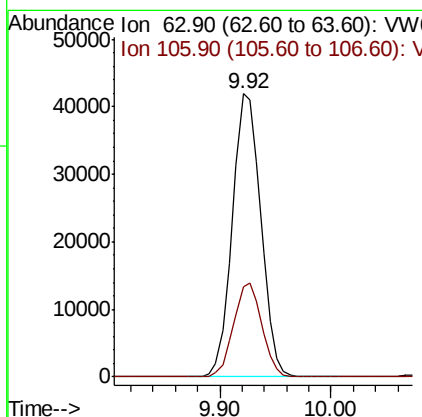
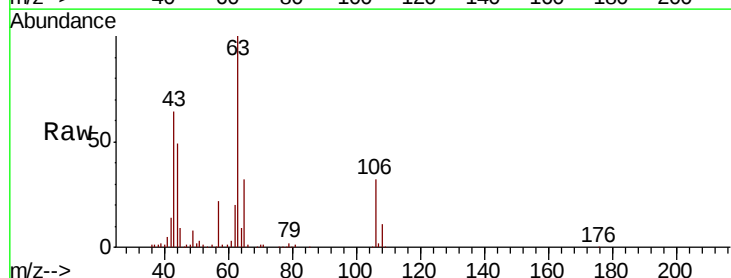
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0524SBSD01

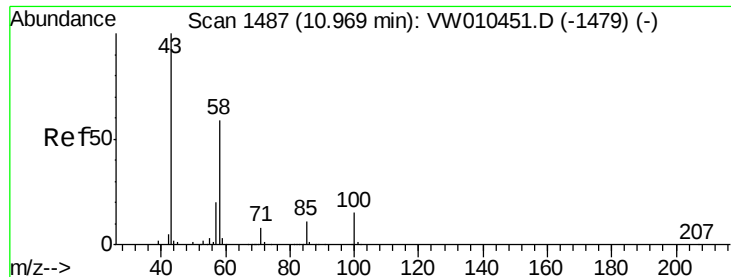
Tgt Ion: 76 Resp: 44030
 Ion Ratio Lower Upper
 76 100
 78 32.3 26.2 39.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 95.773 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.01 min
 Lab File: VW010547.D
 Acq: 24 May 2019 13:42

Tgt Ion: 63 Resp: 74245
 Ion Ratio Lower Upper
 63 100
 106 32.7 25.8 38.6

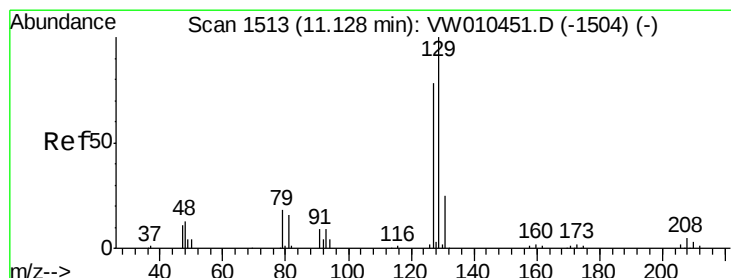
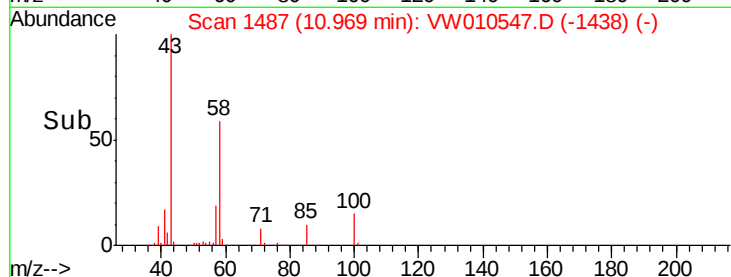
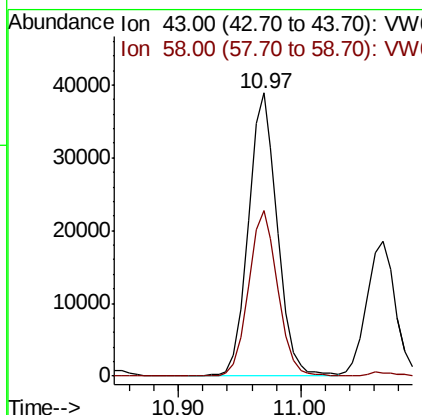
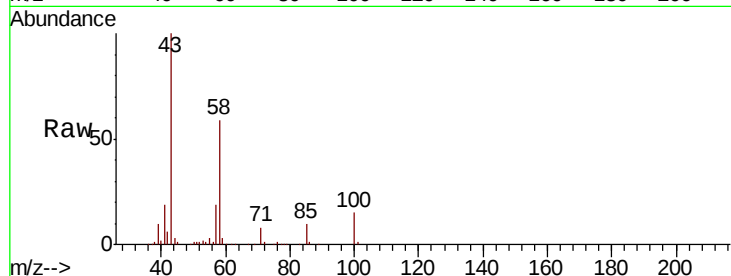




#59
2-Hexanone
Concen: 91.176 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW010547.D
Acq: 24 May 2019 13:42

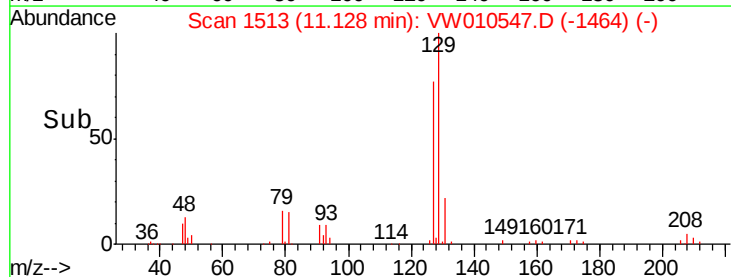
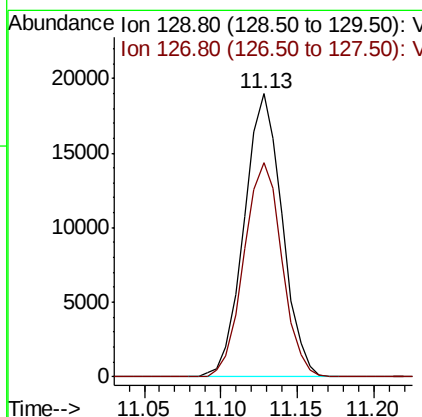
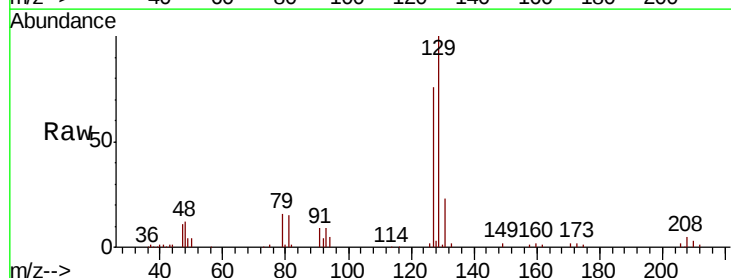
Instrument :
MSVOA_W
ClientSampleId :
VW0524SBSD01

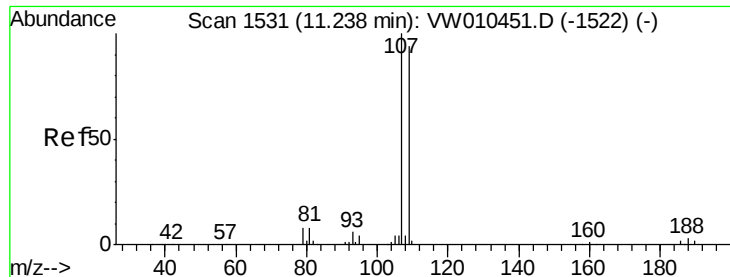
Tgt Ion: 43 Resp: 64005
Ion Ratio Lower Upper
43 100
58 58.8 28.9 86.8



#60
Dibromochloromethane
Concen: 20.422 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW010547.D
Acq: 24 May 2019 13:42

Tgt Ion: 129 Resp: 32799
Ion Ratio Lower Upper
129 100
127 75.8 38.9 116.7

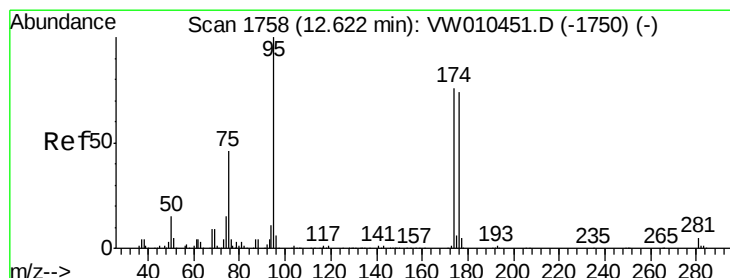
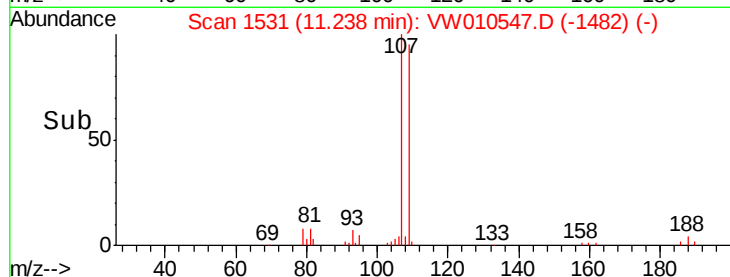
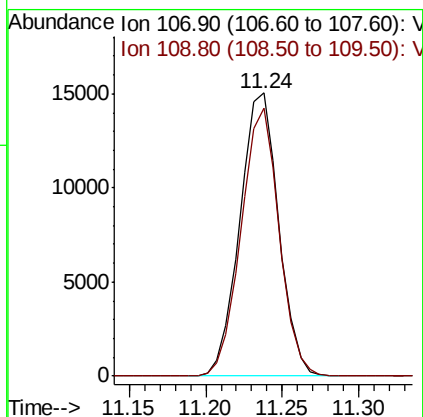
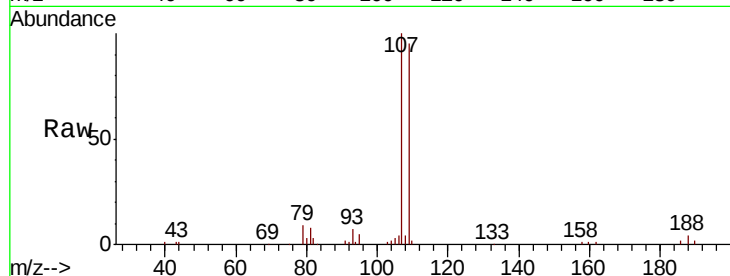




#61
 1,2-Dibromoethane
 Concen: 20.595 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW010547.D
 Acq: 24 May 2019 13:42

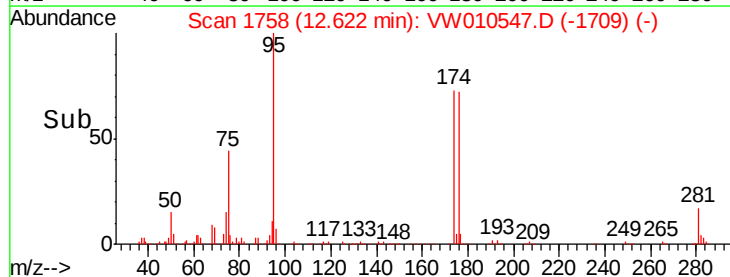
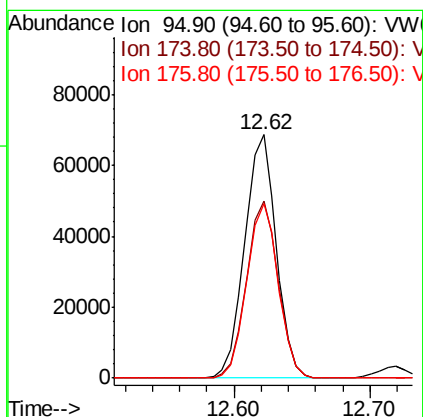
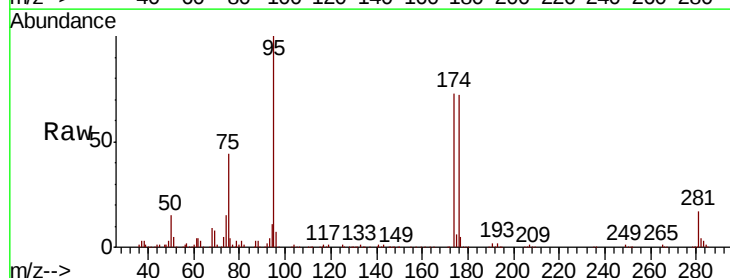
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0524SBSD01

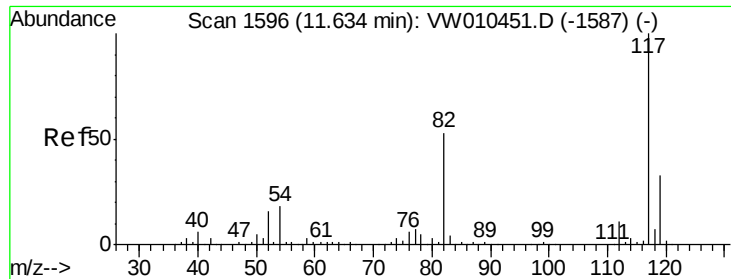
Tgt Ion: 107 Resp: 26475
 Ion Ratio Lower Upper
 107 100
 109 93.1 75.0 112.4



#62
 4-Bromofluorobenzene
 Concen: 49.264 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.00 min
 Lab File: VW010547.D
 Acq: 24 May 2019 13:42

Tgt Ion: 95 Resp: 111620
 Ion Ratio Lower Upper
 95 100
 174 73.2 0.0 148.6
 176 71.4 0.0 144.2

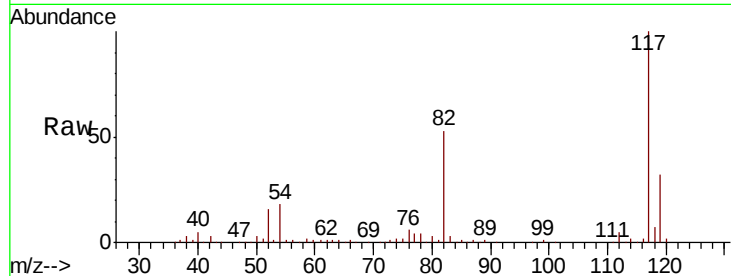




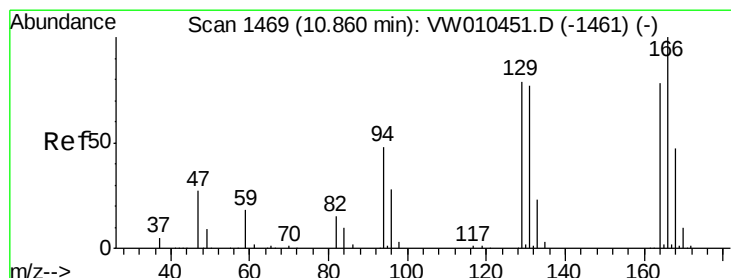
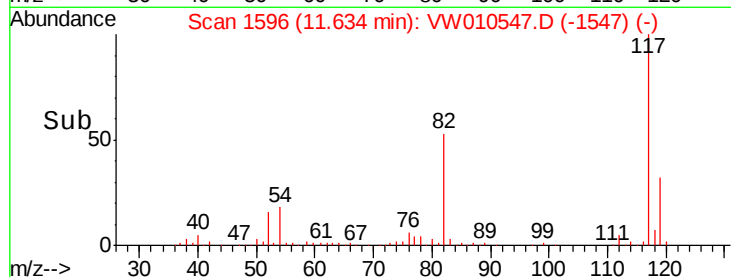
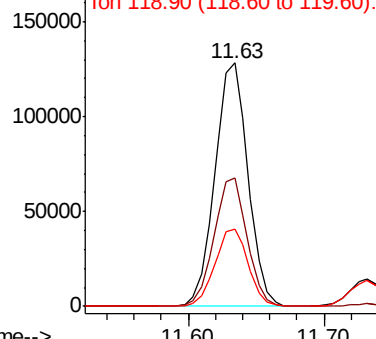
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW010547.D
Acq: 24 May 2019 13:42

Instrument :
MSVOA_W
ClientSampleId :
VW0524SBSD01

Tgt Ion:117 Resp: 217788
Ion Ratio Lower Upper
117 100
82 52.6 42.8 64.2
119 31.8 26.3 39.5

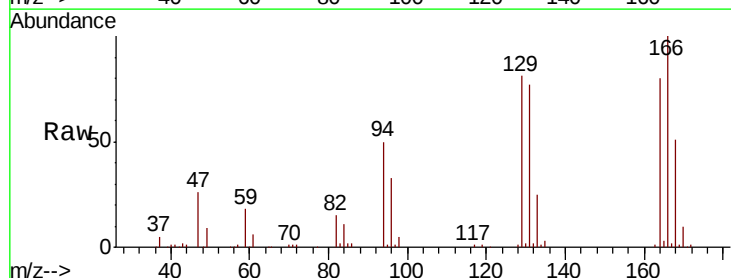


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

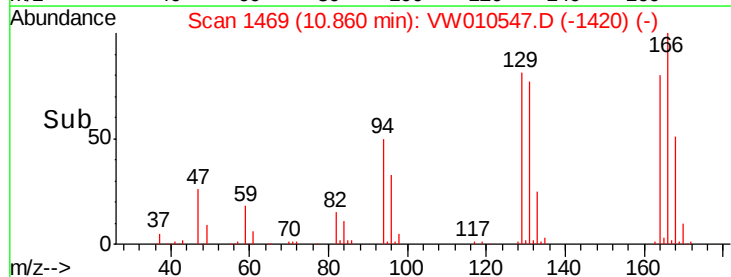
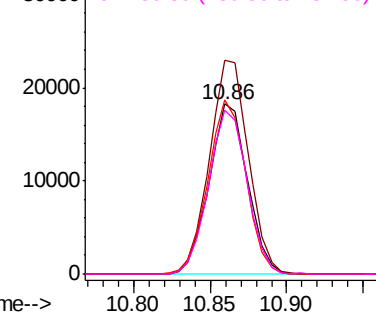


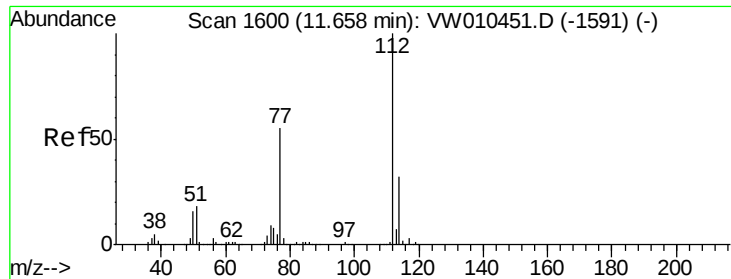
#64
Tetrachloroethene
Concen: 21.018 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW010547.D
Acq: 24 May 2019 13:42

Tgt Ion:164 Resp: 31909
Ion Ratio Lower Upper
164 100
166 125.7 101.9 152.9
129 102.3 80.6 121.0
131 96.8 78.2 117.2



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

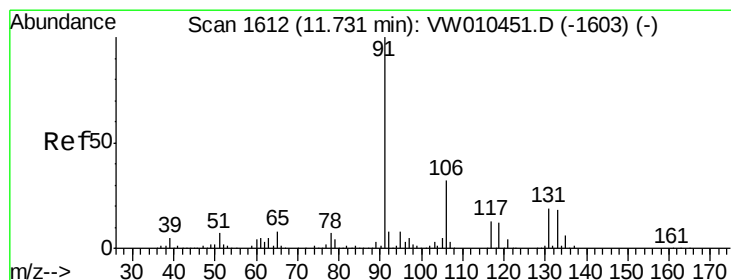
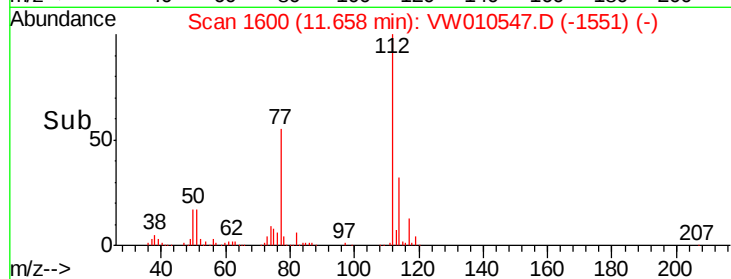
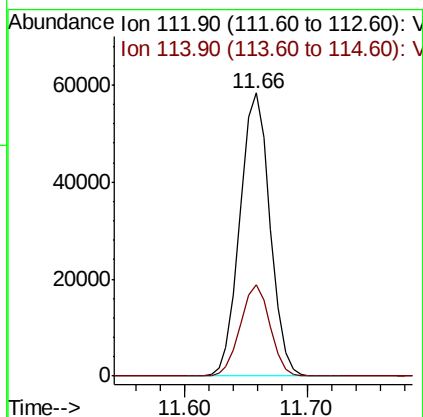
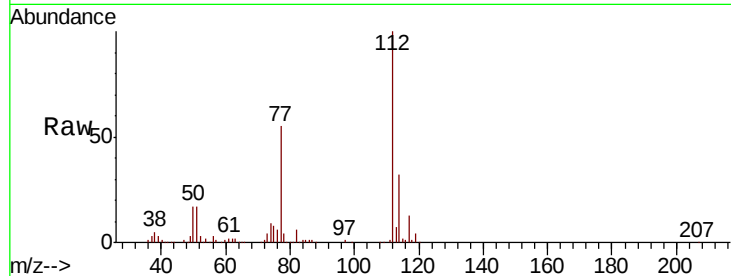




#65
Chlorobenzene
Concen: 21.445 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW010547.D
Acq: 24 May 2019 13:42

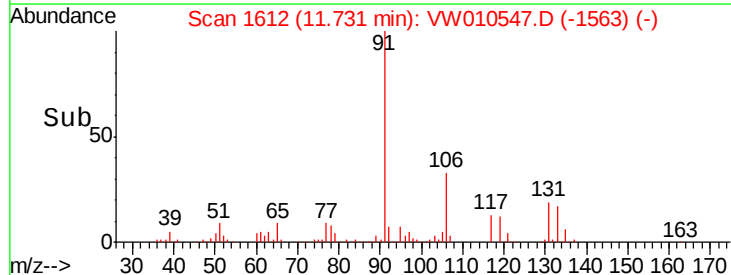
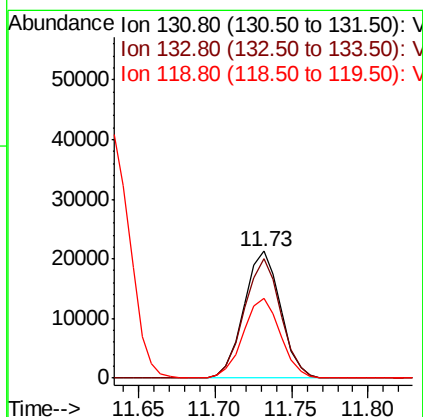
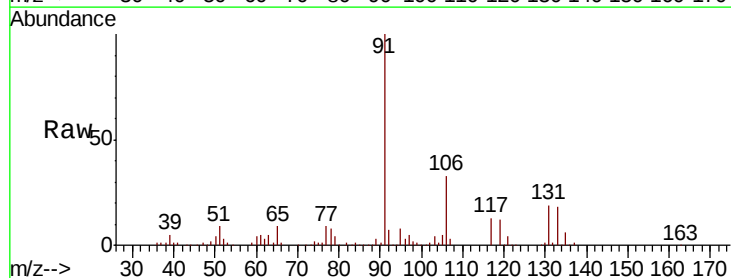
Instrument :
MSVOA_W
ClientSampleId :
VW0524SBSD01

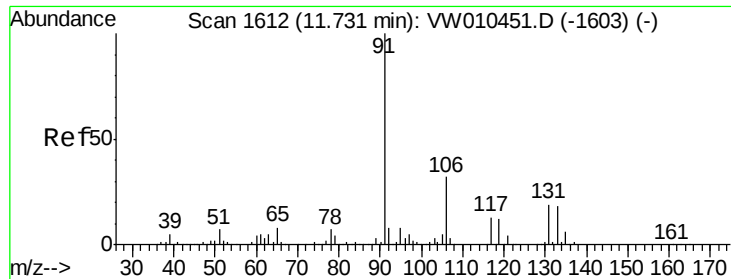
Tgt Ion:112 Resp: 99538
Ion Ratio Lower Upper
112 100
114 32.3 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 21.355 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW010547.D
Acq: 24 May 2019 13:42

Tgt Ion:131 Resp: 35508
Ion Ratio Lower Upper
131 100
133 93.9 47.3 141.9
119 63.6 32.1 96.5

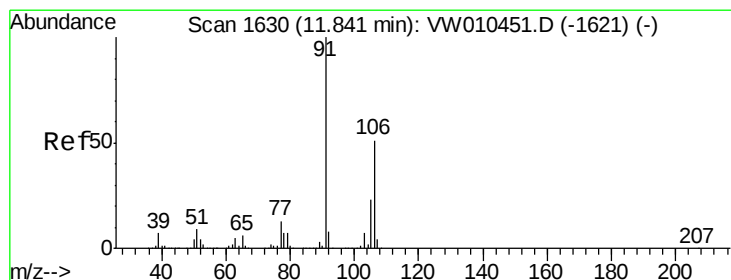
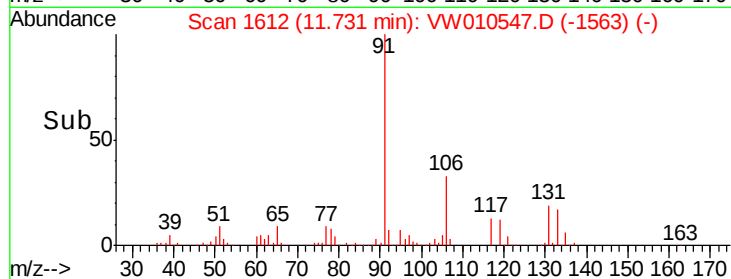
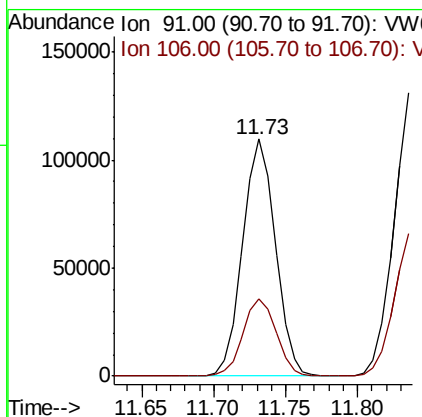
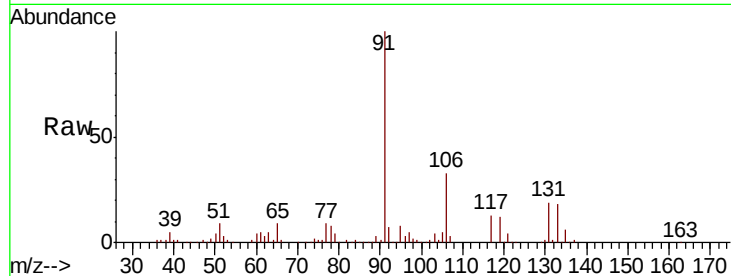




#67
Ethyl Benzene
Concen: 21.094 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW010547.D
Acq: 24 May 2019 13:42

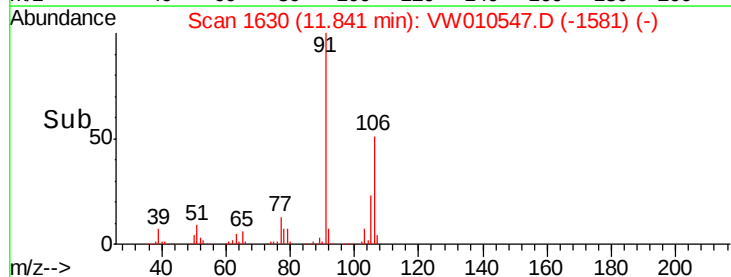
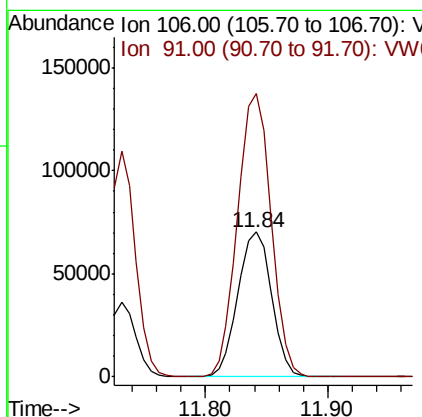
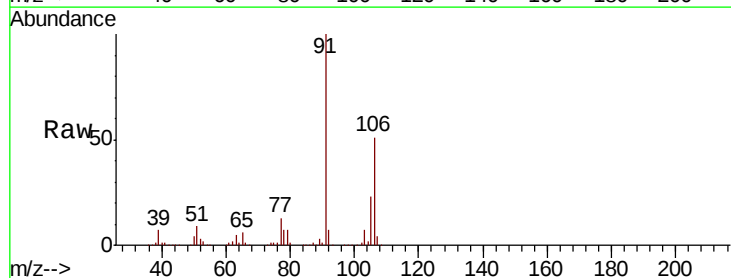
Instrument :
MSVOA_W
ClientSampleId :
VW0524SBSD01

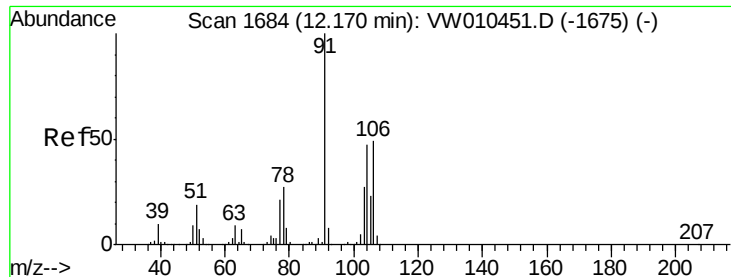
Tgt Ion: 91 Resp: 172859
Ion Ratio Lower Upper
91 100
106 32.9 25.9 38.9



#68
m/p-Xylenes
Concen: 41.887 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW010547.D
Acq: 24 May 2019 13:42

Tgt Ion:106 Resp: 134636
Ion Ratio Lower Upper
106 100
91 195.1 156.0 234.0

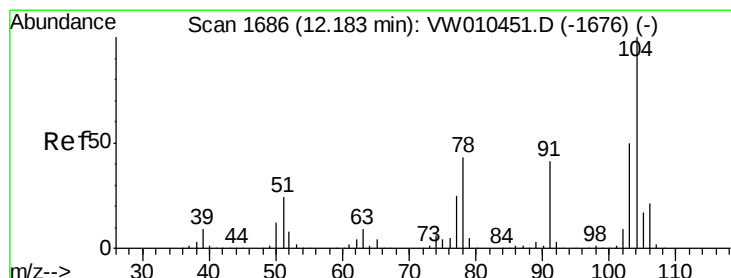
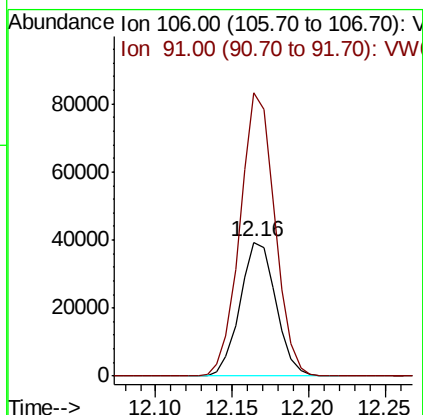
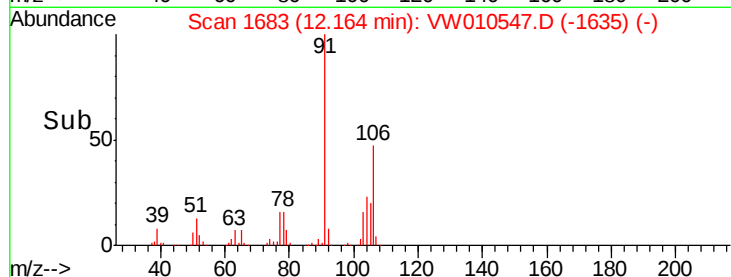
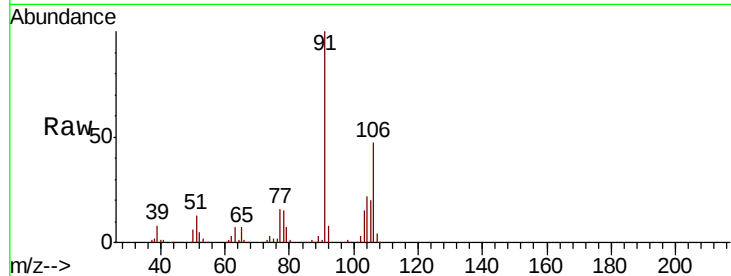




#69
o-Xylene
Concen: 20.970 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW010547.D
Acq: 24 May 2019 13:42

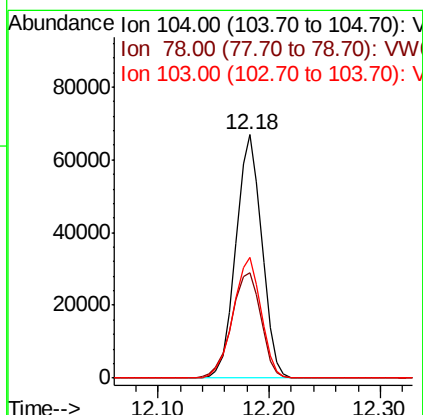
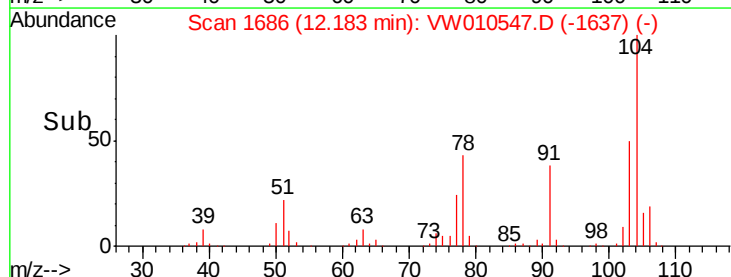
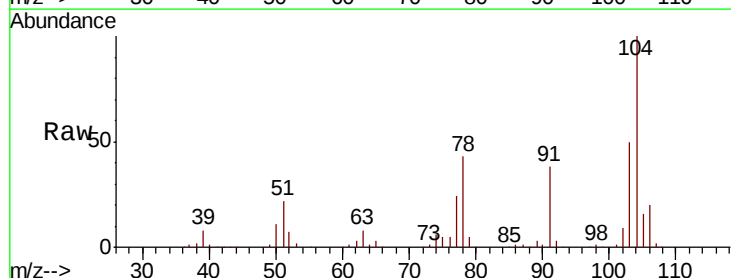
Instrument :
MSVOA_W
ClientSampleId :
VW0524SBSD01

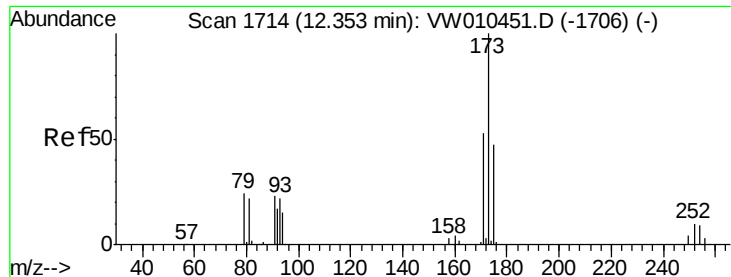
Tgt Ion:106 Resp: 63862
Ion Ratio Lower Upper
106 100
91 206.4 103.2 309.4



#70
Styrene
Concen: 20.860 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW010547.D
Acq: 24 May 2019 13:42

Tgt Ion:104 Resp: 107784
Ion Ratio Lower Upper
104 100
78 49.1 39.0 58.4
103 53.1 43.0 64.6





#71

Bromoform

Concen: 18.978 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.01 min

Lab File: VW010547.D

Acq: 24 May 2019 13:42

Instrument :

MSVOA_W

ClientSampleId :

VW0524SBSD01

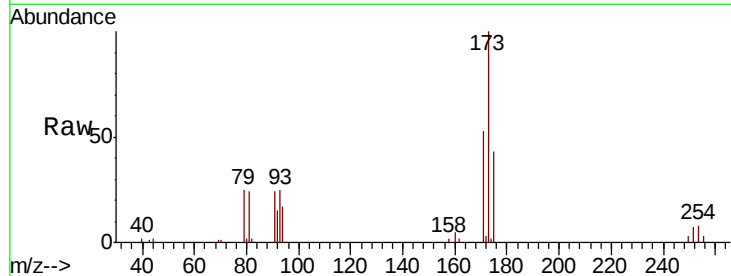
Tgt Ion:173 Resp: 17377

Ion Ratio Lower Upper

173 100

175 46.4 24.4 73.4

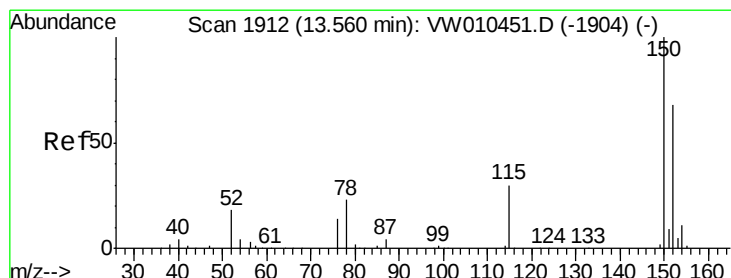
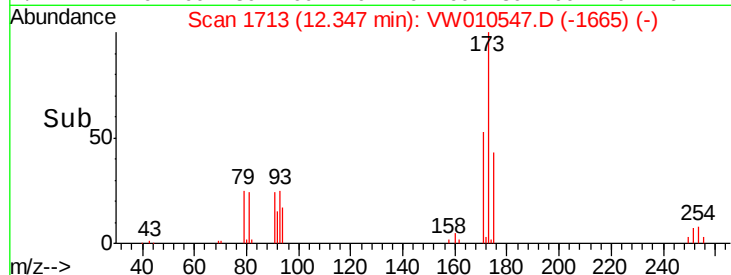
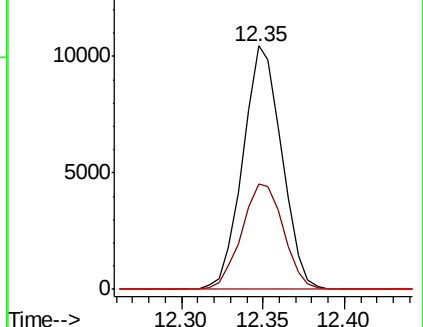
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW010547.D

Acq: 24 May 2019 13:42

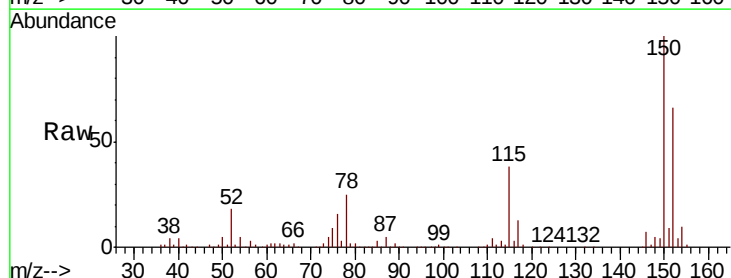
Tgt Ion:152 Resp: 104190

Ion Ratio Lower Upper

152 100

115 61.1 30.3 91.0

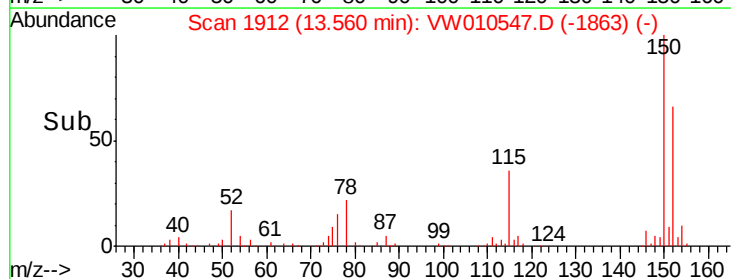
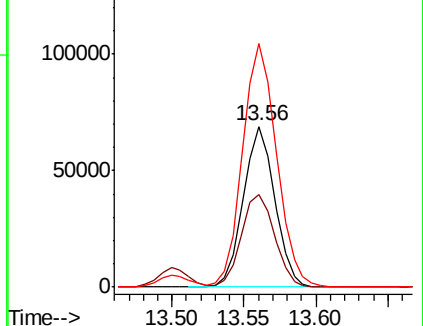
150 163.8 0.0 349.8

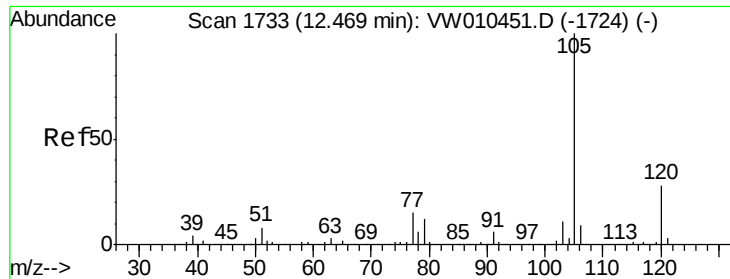


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.192 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.01 min

Lab File: VW010547.D

Acq: 24 May 2019 13:42

Instrument :

MSVOA_W

ClientSampleId :

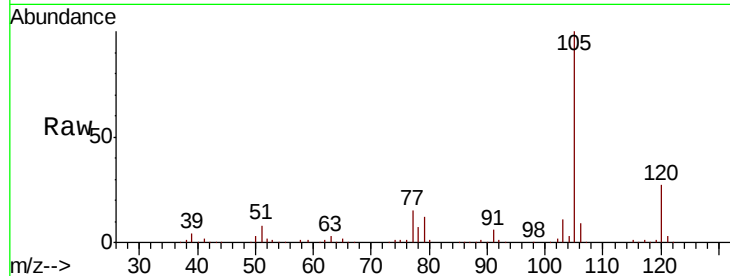
VW0524SBSD01

Tgt Ion:105 Resp: 175209

Ion Ratio Lower Upper

105 100

120 27.7 13.9 41.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

120000

100000

80000

60000

40000

20000

0

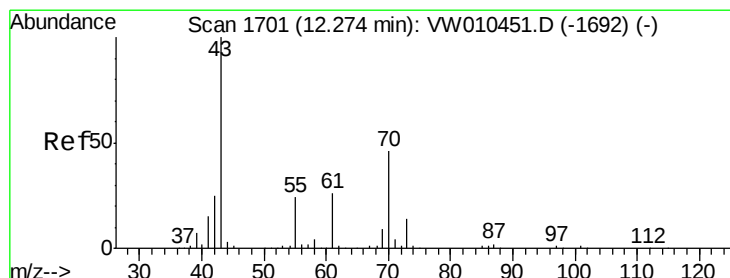
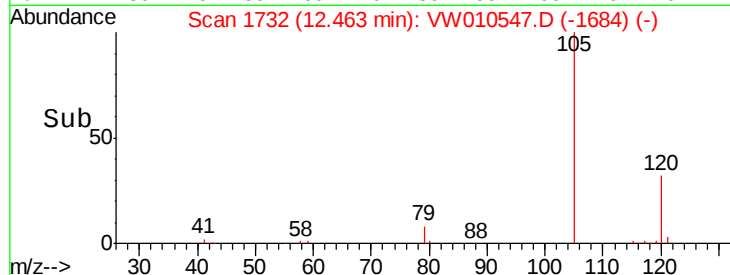
12.46

12.45

12.50

12.55

Time-->



#74

N-ethyl acetate

Concen: 17.387 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW010547.D

Acq: 24 May 2019 13:42

Tgt Ion: 43 Resp: 32941

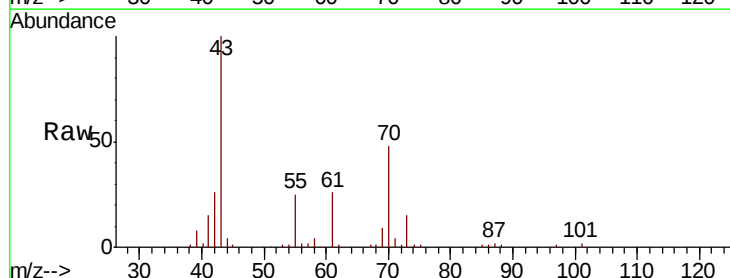
Ion Ratio Lower Upper

43 100

70 47.3 37.1 55.7

55 25.8 19.6 29.4

61 26.4 20.7 31.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW

30000

20000

10000

0

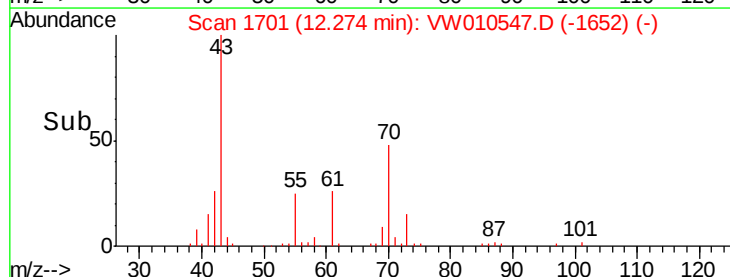
12.27

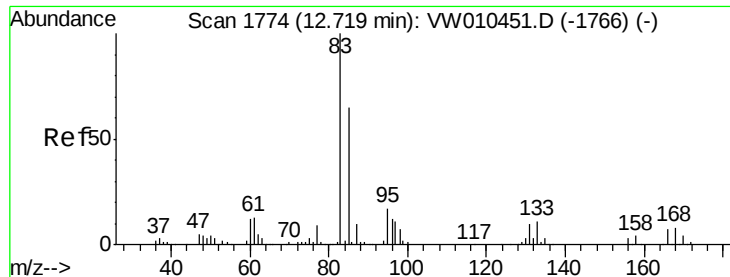
12.20

12.30

12.40

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 19.613 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.01 min

Lab File: VW010547.D

Acq: 24 May 2019 13:42

Instrument :

MSVOA_W

ClientSampleId :

VW0524SBSD01

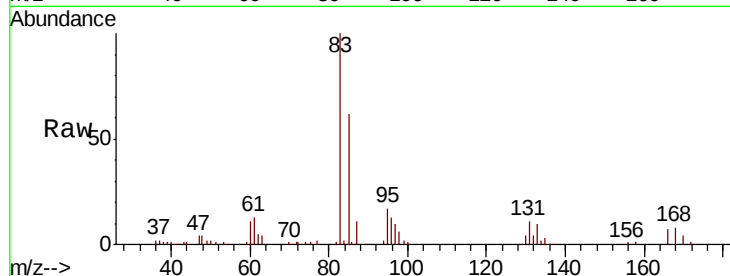
Tgt Ion: 83 Resp: 29494

Ion Ratio Lower Upper

83 100

131 11.9 5.6 16.8

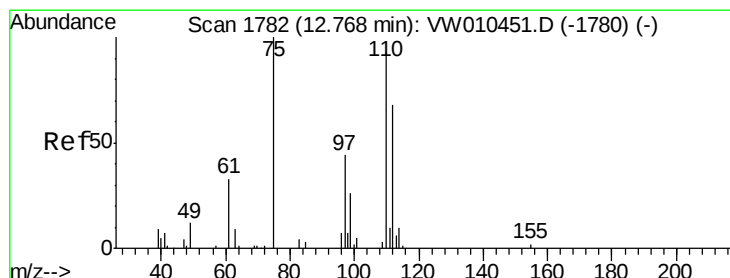
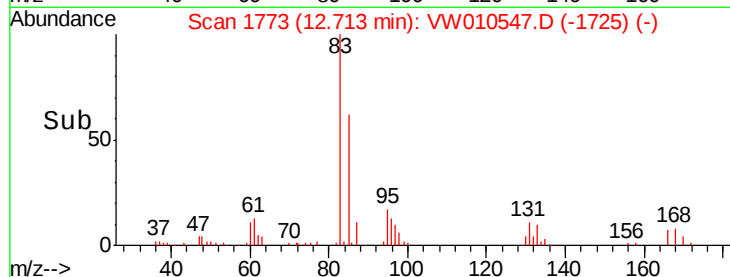
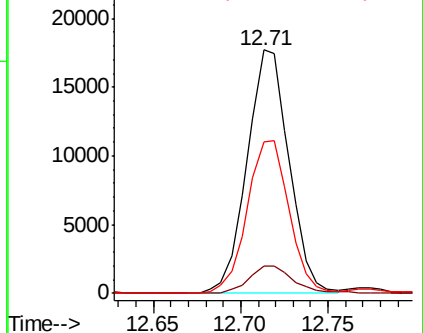
85 62.9 32.4 97.0



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 34.859 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW010547.D

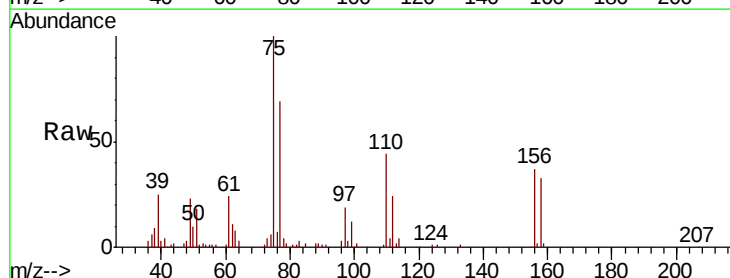
Acq: 24 May 2019 13:42

Tgt Ion: 75 Resp: 36867

Ion Ratio Lower Upper

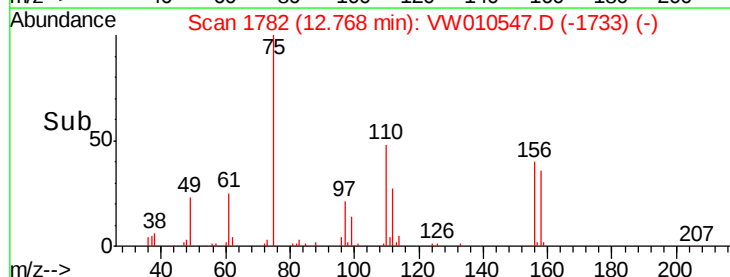
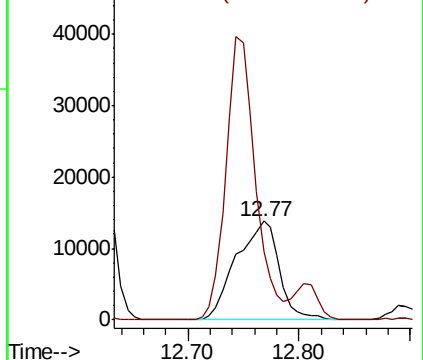
75 100

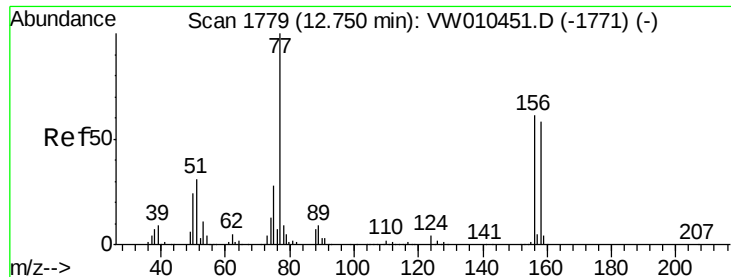
77 0.0 170.0 510.1#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 21.691 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW010547.D

Acq: 24 May 2019 13:42

Instrument :

MSVOA_W

ClientSampled :

VW0524SBSD01

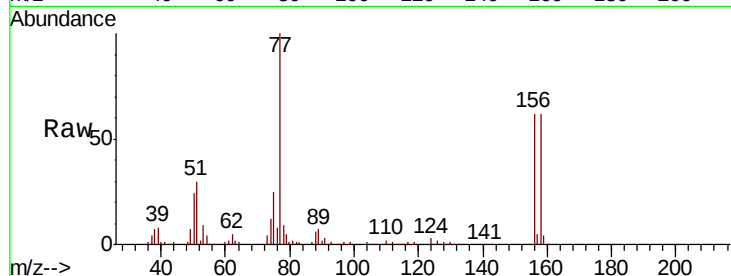
Tgt Ion:156 Resp: 40132

Ion Ratio Lower Upper

156 100

77 181.1 92.4 277.2

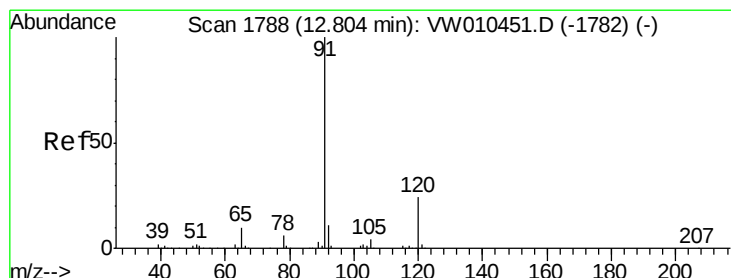
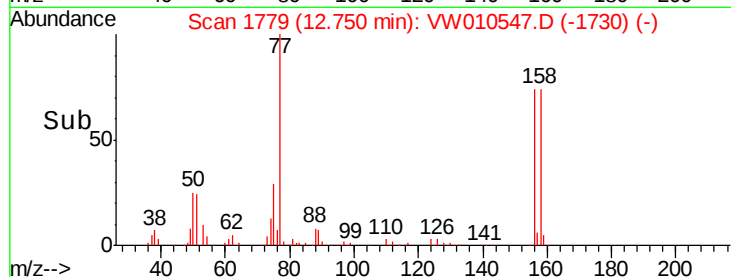
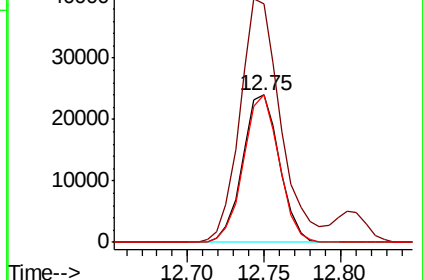
158 96.6 48.3 144.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.624 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW010547.D

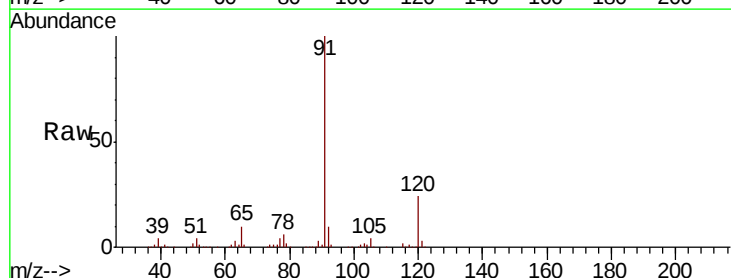
Acq: 24 May 2019 13:42

Tgt Ion: 91 Resp: 198714

Ion Ratio Lower Upper

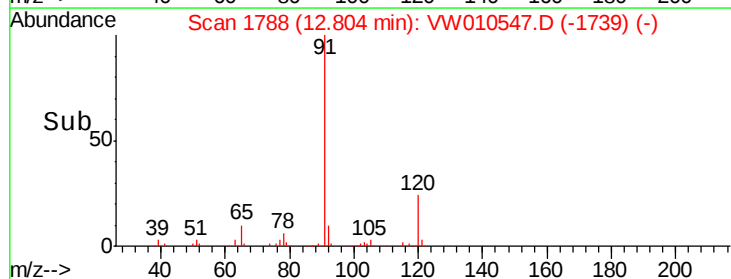
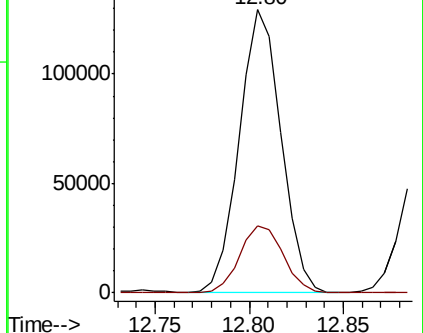
91 100

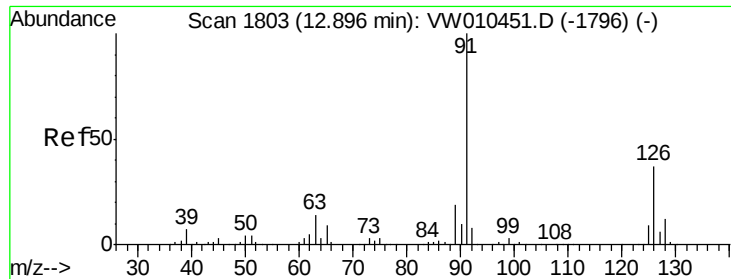
120 24.7 12.3 36.8



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

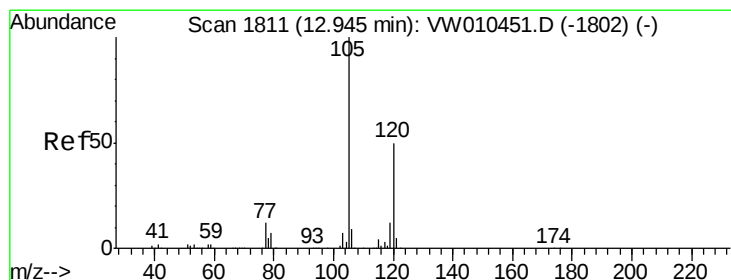
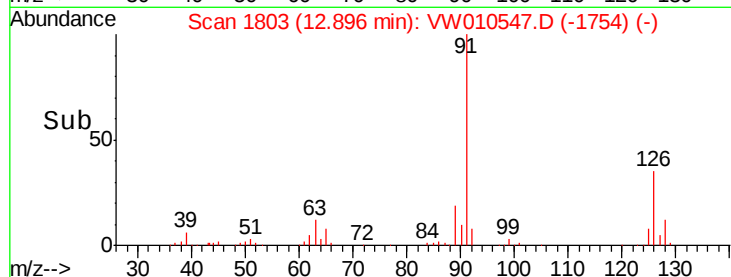
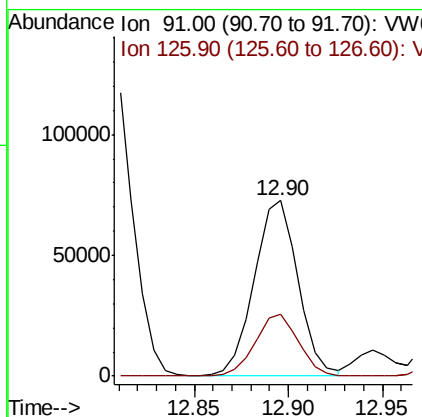
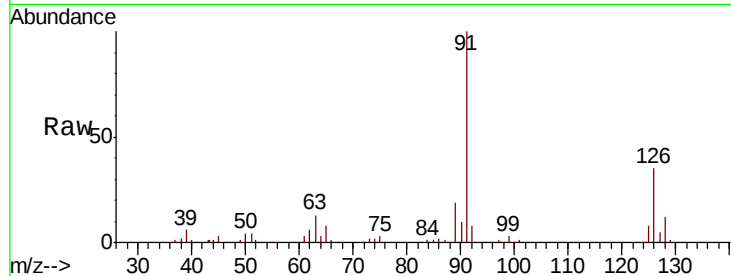




#79
 2-Chlorotoluene
 Concen: 20.981 ug/l
 RT: 12.90 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VW010547.D
 Acq: 24 May 2019 13:42

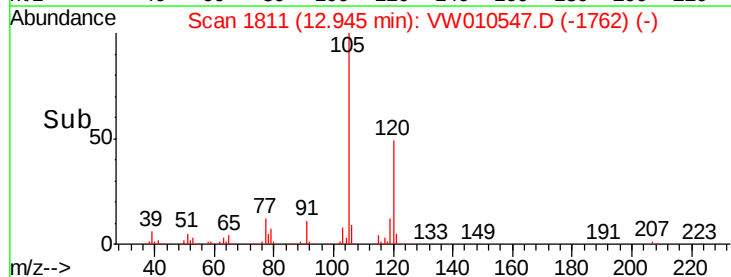
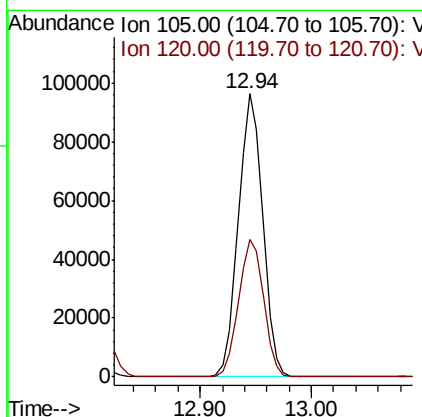
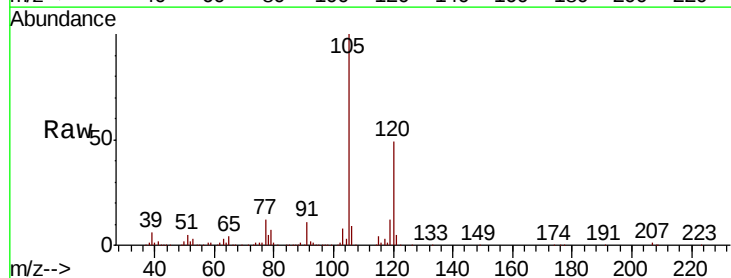
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0524SBSD01

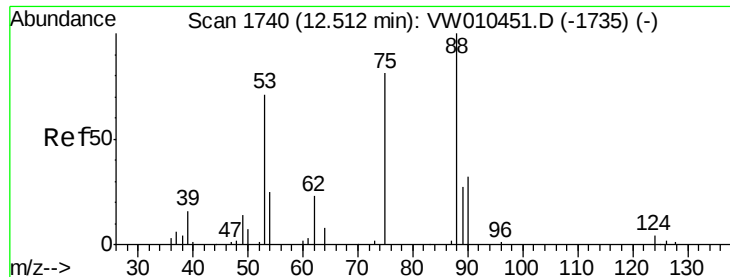
Tgt Ion: 91 Resp: 117231
 Ion Ratio Lower Upper
 91 100
 126 34.7 17.4 52.3



#80
 1,3,5-Trimethylbenzene
 Concen: 20.904 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. 0.00 min
 Lab File: VW010547.D
 Acq: 24 May 2019 13:42

Tgt Ion: 105 Resp: 146378
 Ion Ratio Lower Upper
 105 100
 120 49.8 25.2 75.6

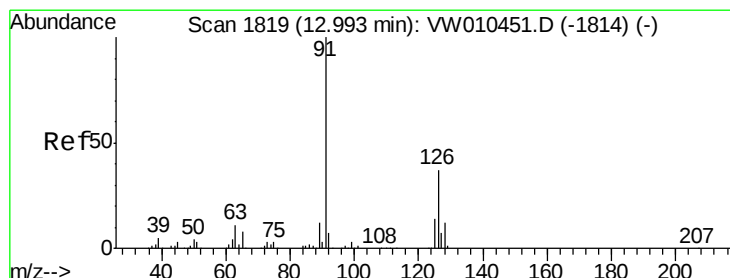
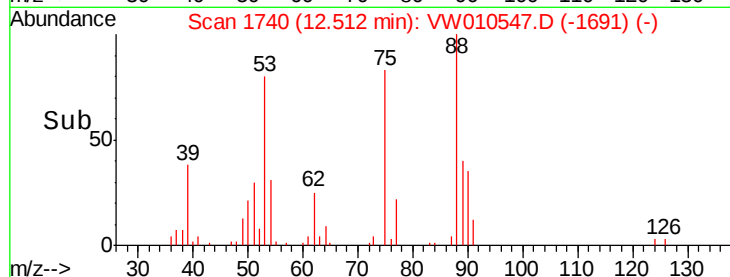
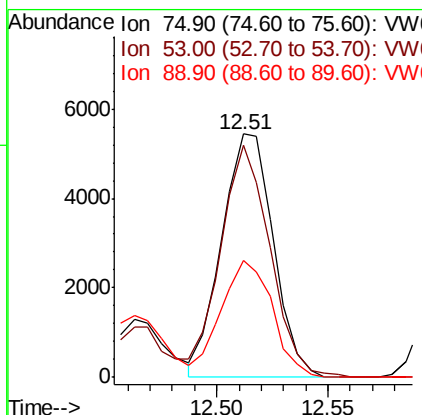
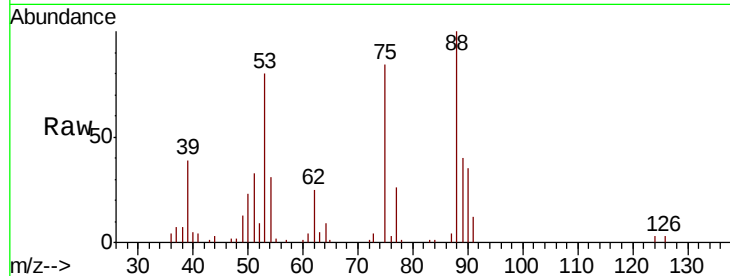




#81
trans-1,4-Dichloro-2-butene
Concen: 17.318 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW010547.D
Acq: 24 May 2019 13:42

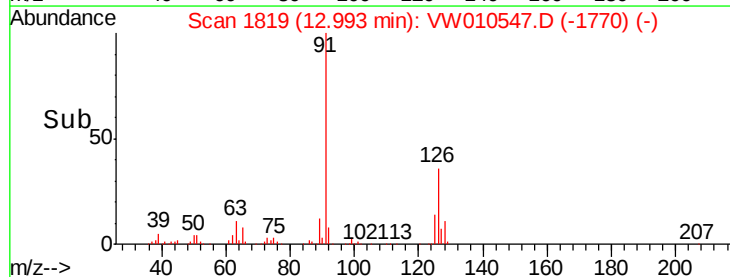
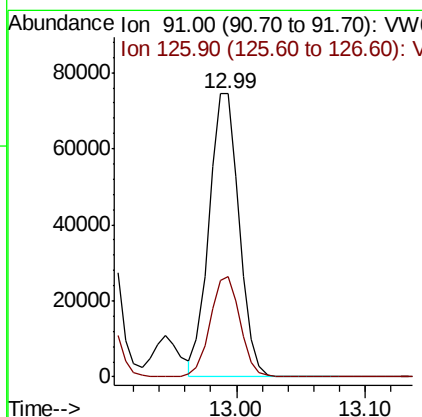
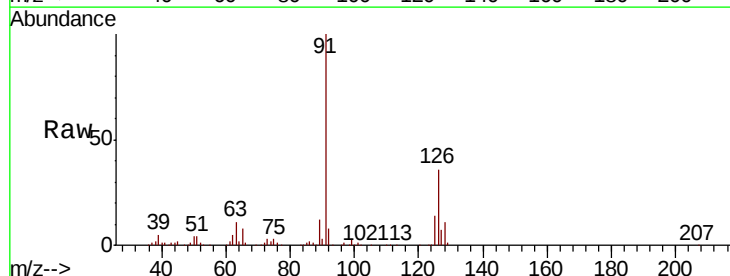
Instrument :
MSVOA_W
ClientSampleId :
VW0524SBSD01

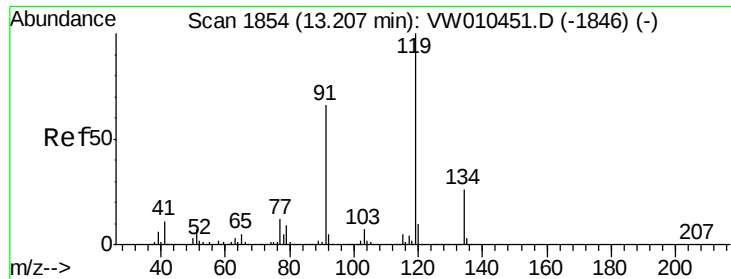
Tgt Ion: 75 Resp: 8776
Ion Ratio Lower Upper
75 100
53 91.1 69.8 104.8
89 47.9 39.5 59.3



#82
4-Chlorotoluene
Concen: 21.016 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. 0.00 min
Lab File: VW010547.D
Acq: 24 May 2019 13:42

Tgt Ion: 91 Resp: 121886
Ion Ratio Lower Upper
91 100
126 35.3 17.5 52.6

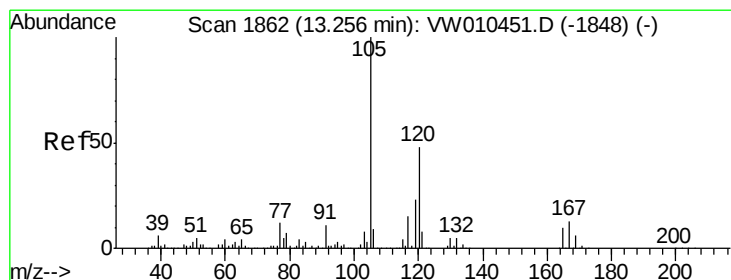
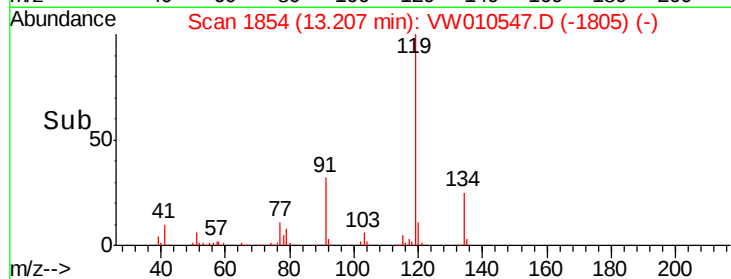
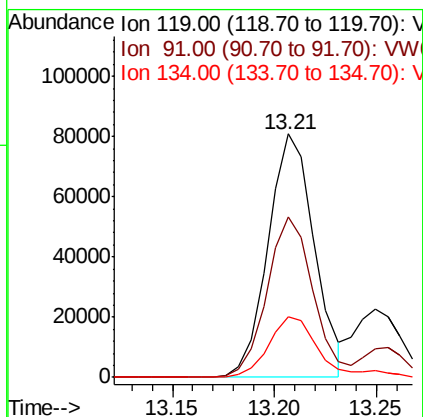
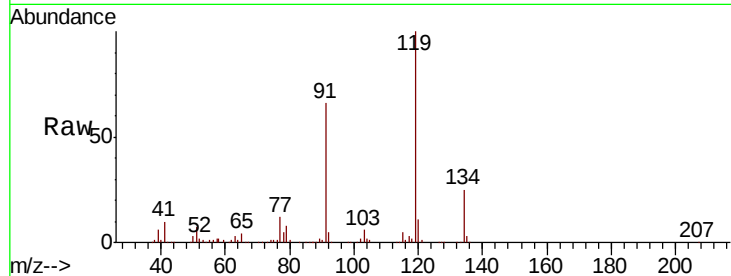




#83
 tert-Butylbenzene
 Concen: 20.897 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: VW010547.D
 Acq: 24 May 2019 13:42

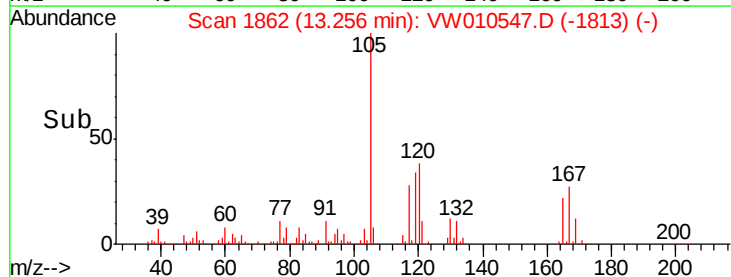
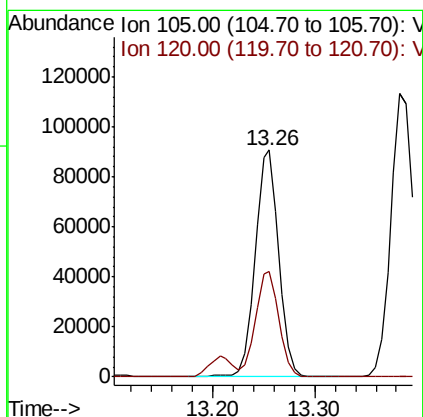
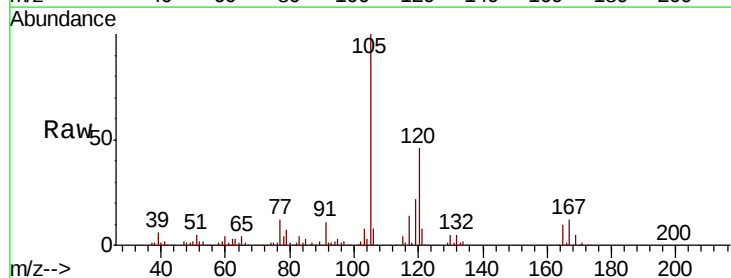
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0524SBSD01

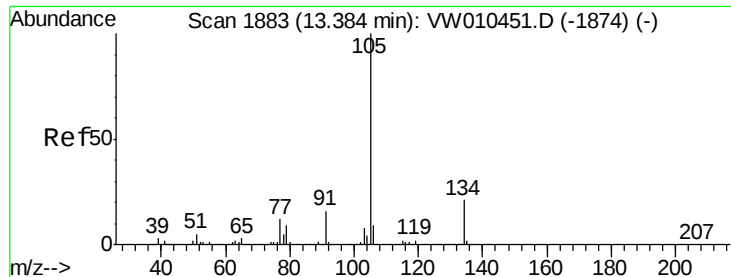
Tgt Ion:119 Resp: 127819
 Ion Ratio Lower Upper
 119 100
 91 66.0 33.1 99.5
 134 27.6 13.9 41.6



#84
 1,2,4-Trimethylbenzene
 Concen: 20.902 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. 0.00 min
 Lab File: VW010547.D
 Acq: 24 May 2019 13:42

Tgt Ion:105 Resp: 145773
 Ion Ratio Lower Upper
 105 100
 120 46.2 23.4 70.2

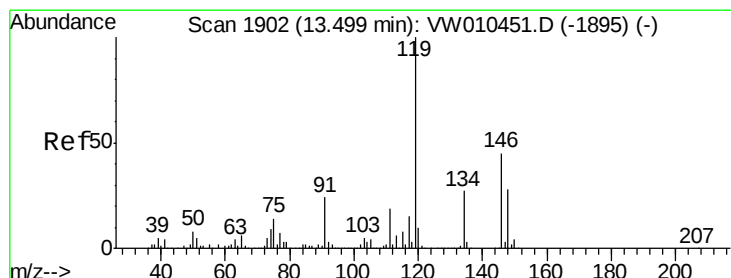
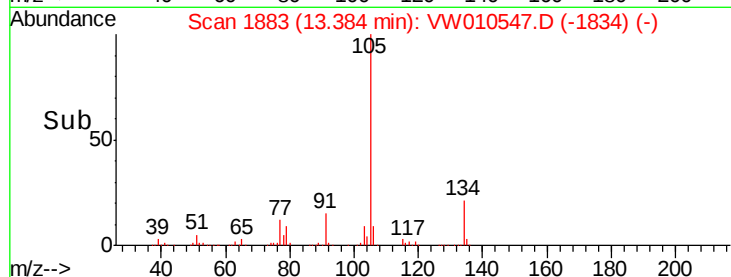
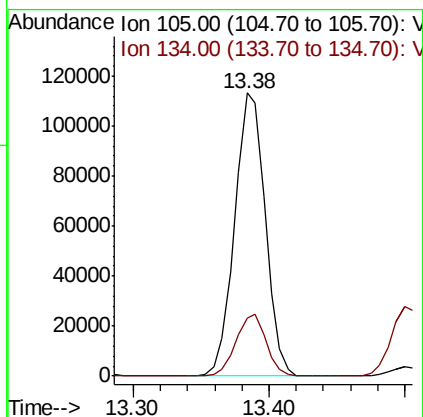
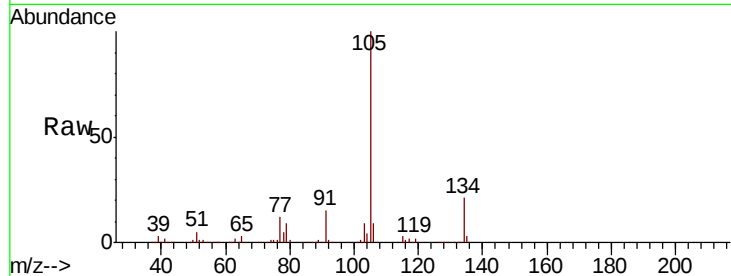




#85
 sec-Butylbenzene
 Concen: 20.696 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW010547.D
 Acq: 24 May 2019 13:42

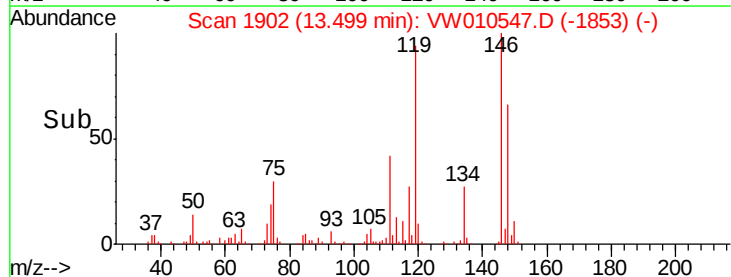
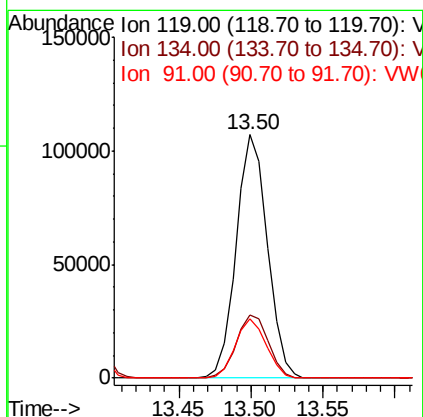
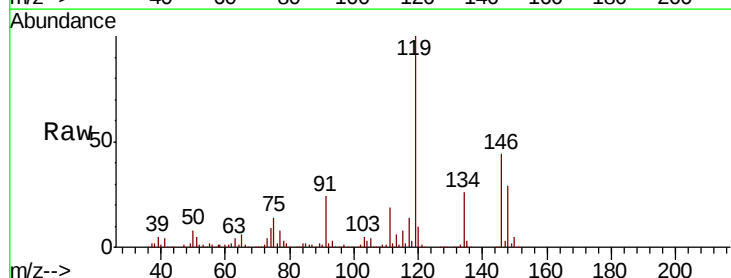
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0524SBSD01

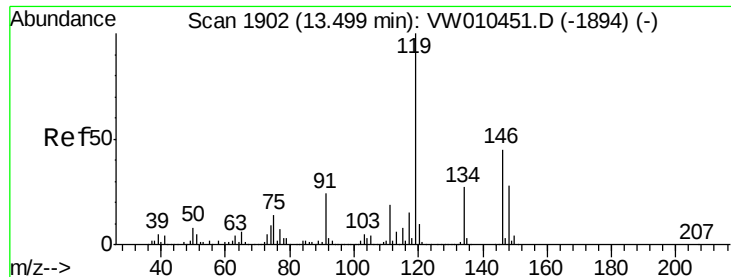
Tgt Ion:105 Resp: 177155
 Ion Ratio Lower Upper
 105 100
 134 21.4 10.5 31.6



#86
 p-Isopropyltoluene
 Concen: 20.803 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW010547.D
 Acq: 24 May 2019 13:42

Tgt Ion:119 Resp: 161173
 Ion Ratio Lower Upper
 119 100
 134 26.9 13.6 40.7
 91 24.3 11.9 35.7





#87

1,3-Dichlorobenzene

Concen: 21.209 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW010547.D

Acq: 24 May 2019 13:42

Instrument :

MSVOA_W

ClientSampleId :

VW0524SBSD01

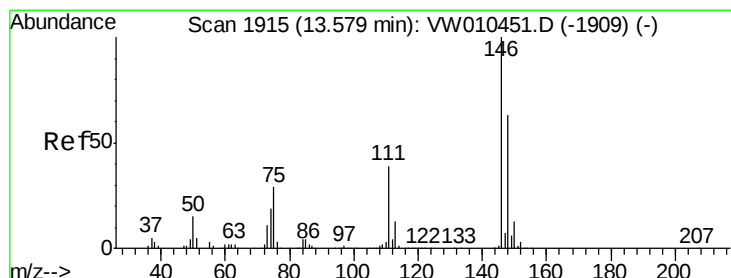
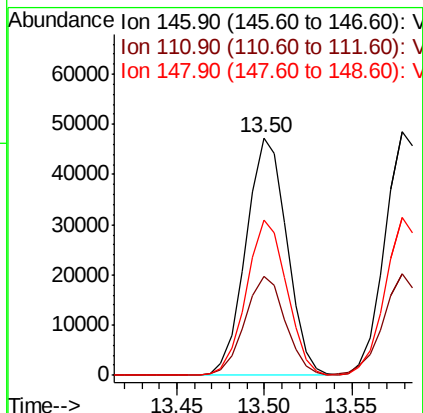
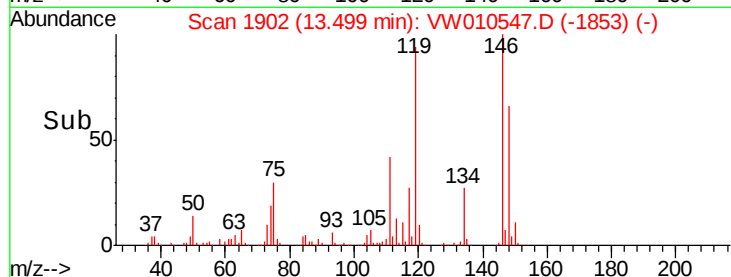
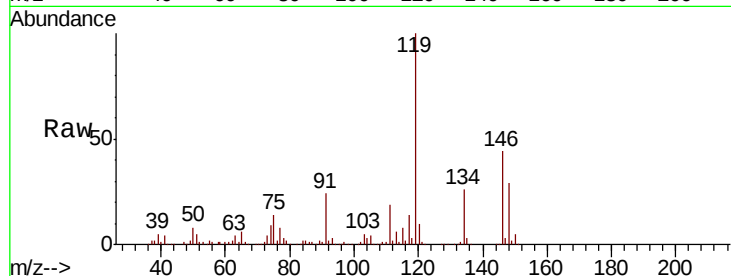
Tgt Ion:146 Resp: 76988

Ion Ratio Lower Upper

146 100

111 41.5 20.3 60.9

148 64.4 31.6 94.8



#88

1,4-Dichlorobenzene

Concen: 21.316 ug/l

RT: 13.58 min Scan# 1915

Delta R.T. 0.00 min

Lab File: VW010547.D

Acq: 24 May 2019 13:42

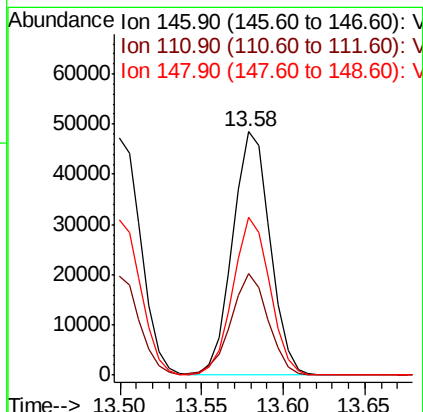
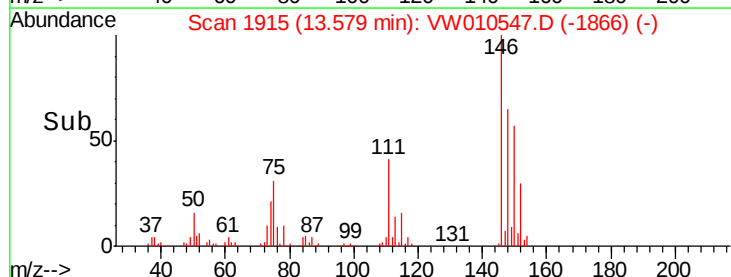
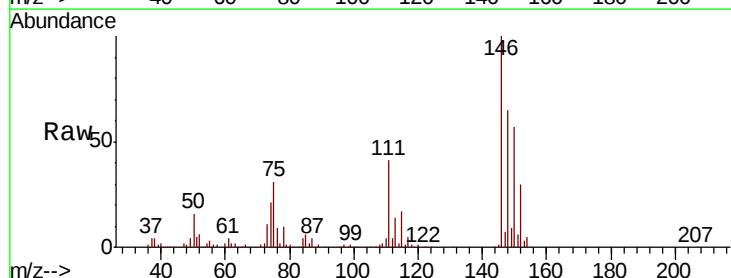
Tgt Ion:146 Resp: 77632

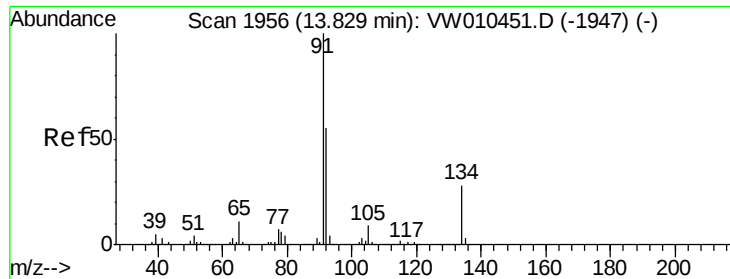
Ion Ratio Lower Upper

146 100

111 41.3 19.9 59.6

148 64.1 31.6 94.8





#89

n-Butylbenzene

Concen: 20.063 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VW010547.D

Acq: 24 May 2019 13:42

Instrument :

MSVOA_W

ClientSampleId :

VW0524SBSD01

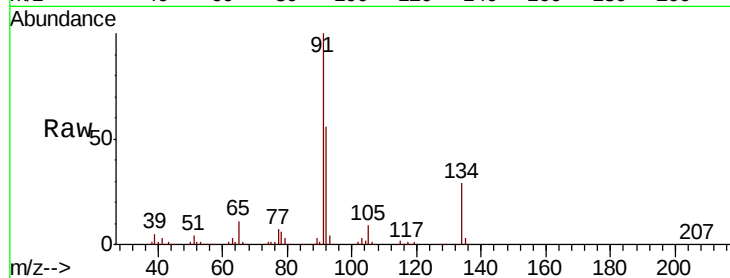
Tgt Ion: 91 Resp: 147853

Ion Ratio Lower Upper

91 100

92 55.2 27.7 83.1

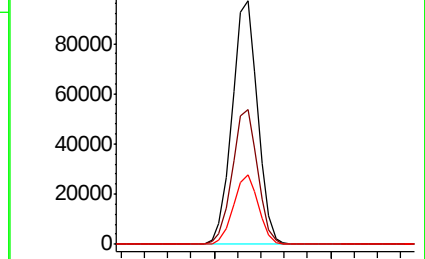
134 27.9 13.9 41.6



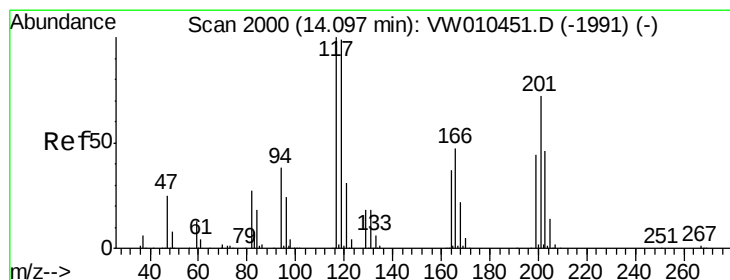
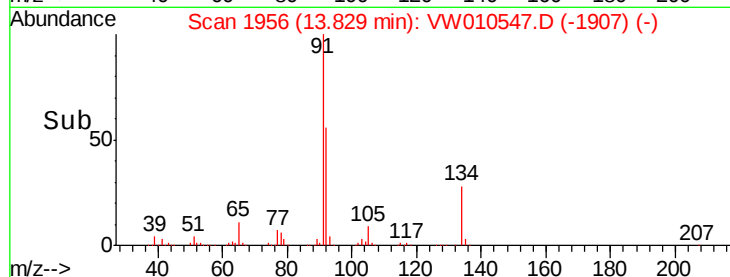
Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

Ion 134.00 (133.70 to 134.70): V



Time-->



#90

Hexachloroethane

Concen: 20.079 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. 0.00 min

Lab File: VW010547.D

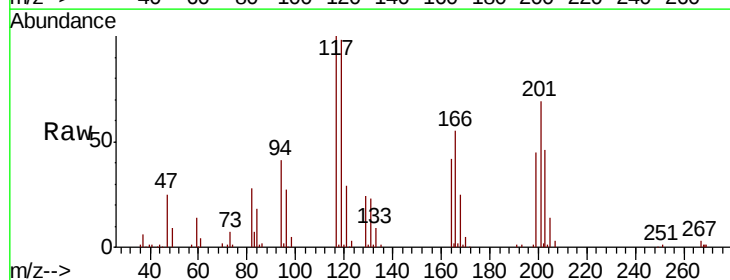
Acq: 24 May 2019 13:42

Tgt Ion: 117 Resp: 30111

Ion Ratio Lower Upper

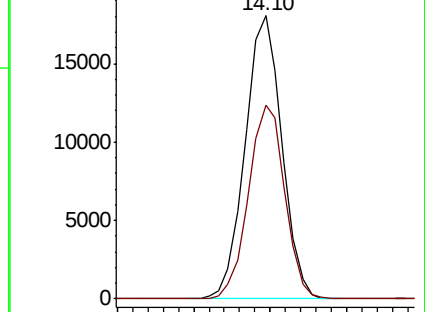
117 100

201 67.5 34.6 103.8

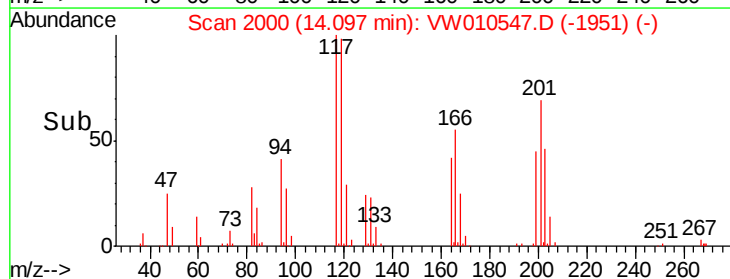


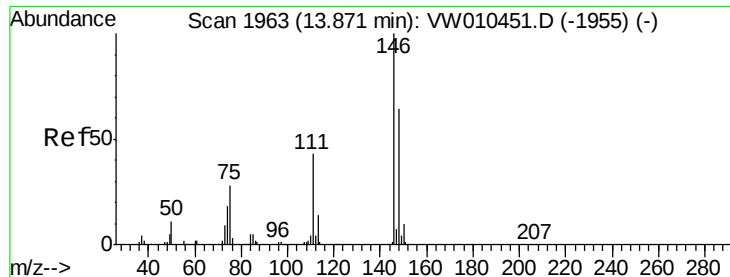
Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



Time-->

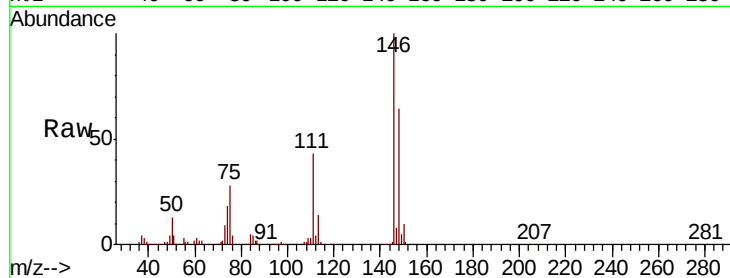




#91
 1,2-Dichlorobenzene
 Concen: 20.909 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW010547.D
 Acq: 24 May 2019 13:42

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0524SBSD01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.2	21.3	64.0
148	64.3	32.0	96.0

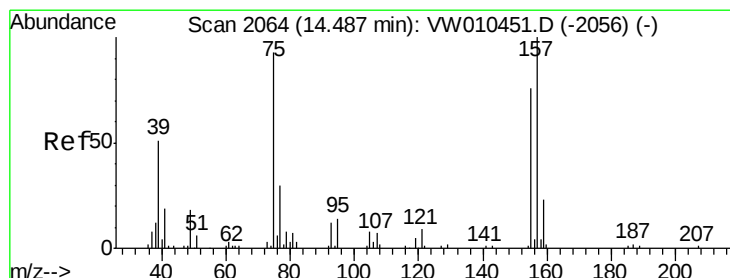
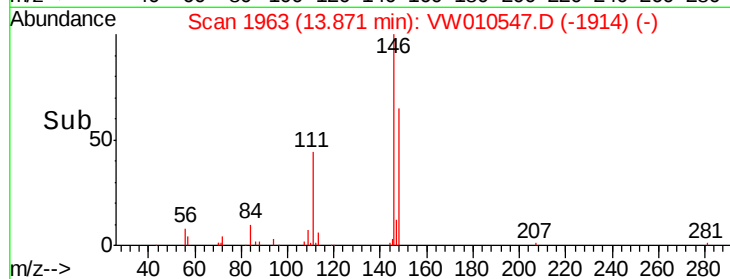
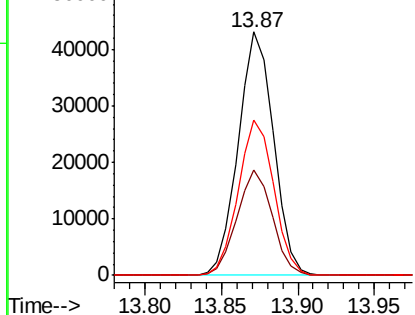


Abundance

Ion 145.90 (145.60 to 146.60): V

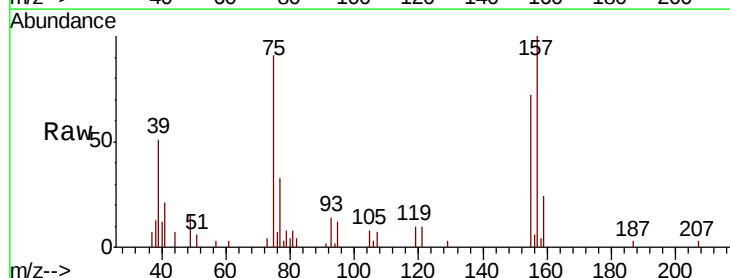
Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.305 ug/l
 RT: 14.49 min Scan# 2065
 Delta R.T. 0.01 min
 Lab File: VW010547.D
 Acq: 24 May 2019 13:42

Tgt Ion	Ratio	Lower	Upper
75	100		
155	82.1	43.0	129.0
157	110.6	55.7	167.1

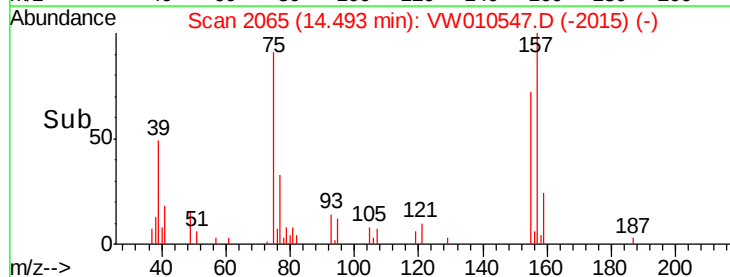
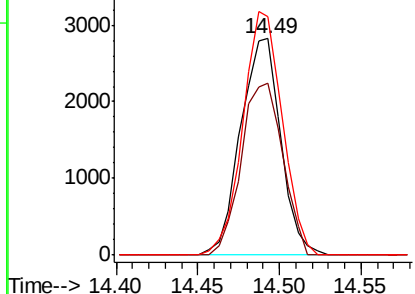


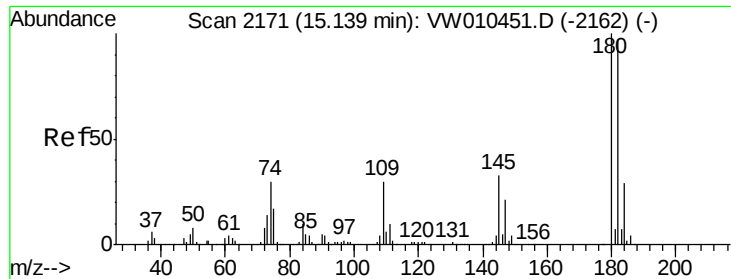
Abundance

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

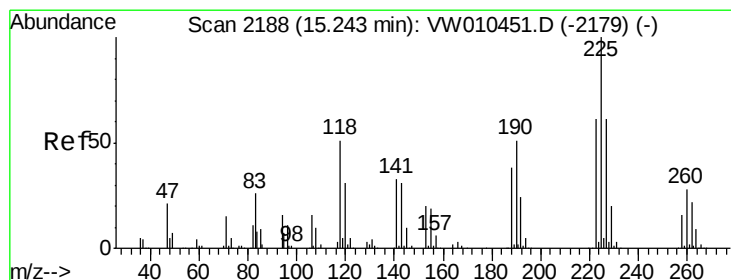
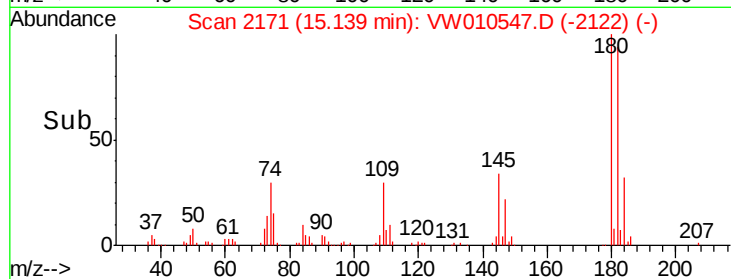
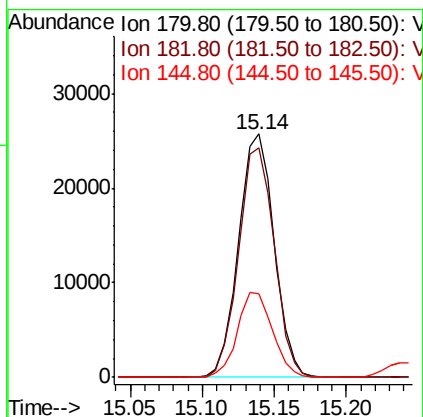
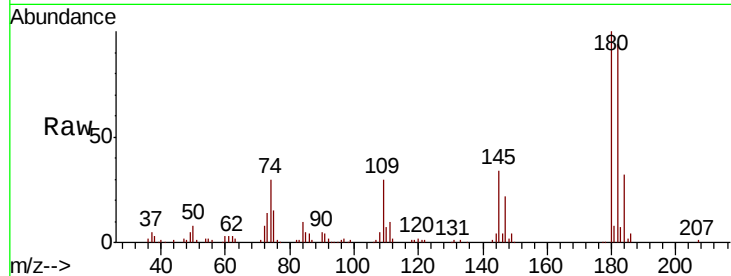




#93
 1,2,4-Trichlorobenzene
 Concen: 19.603 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW010547.D
 Acq: 24 May 2019 13:42

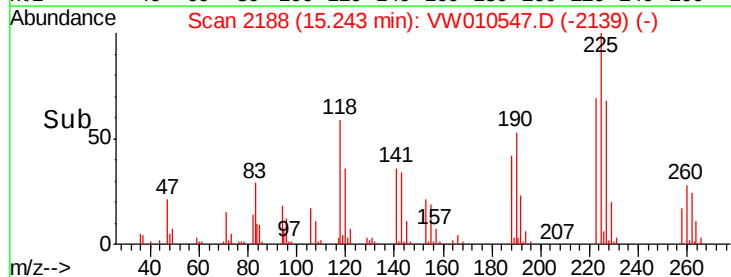
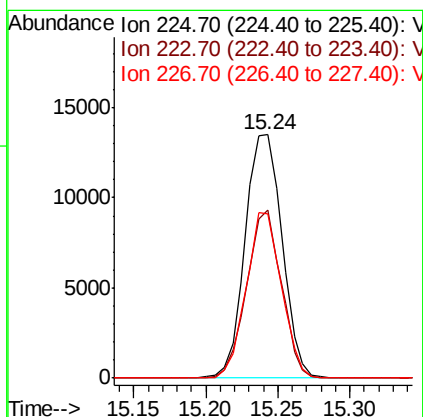
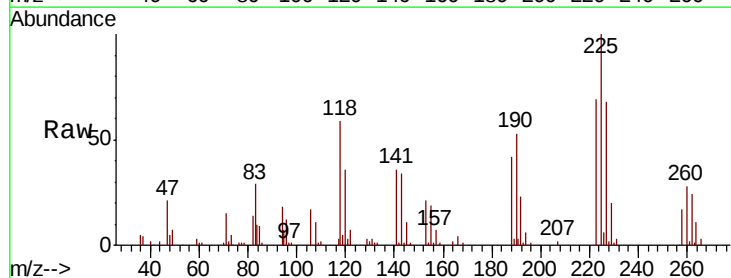
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0524SBS01

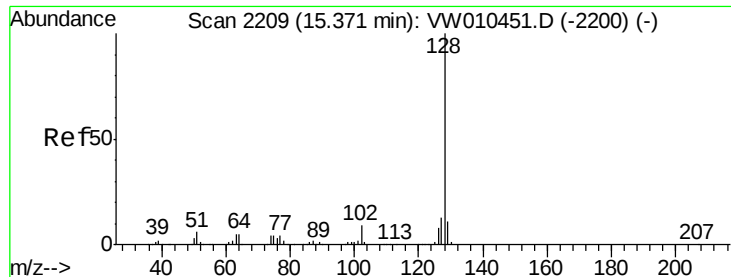
Tgt Ion:180 Resp: 44114
 Ion Ratio Lower Upper
 180 100
 182 94.6 47.0 141.2
 145 34.5 16.7 50.0



#94
 Hexachlorobutadiene
 Concen: 19.869 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.00 min
 Lab File: VW010547.D
 Acq: 24 May 2019 13:42

Tgt Ion:225 Resp: 23886
 Ion Ratio Lower Upper
 225 100
 223 65.1 31.1 93.2
 227 65.1 31.1 93.5

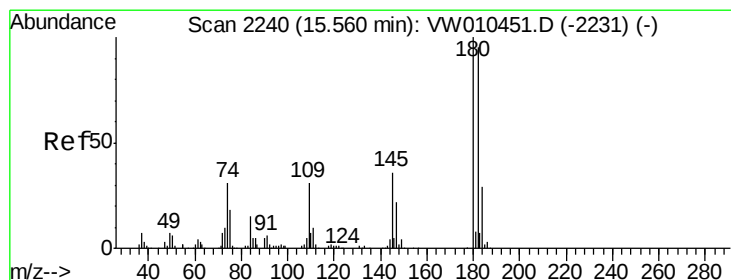
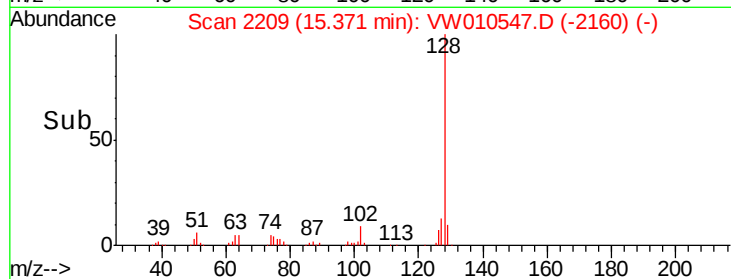
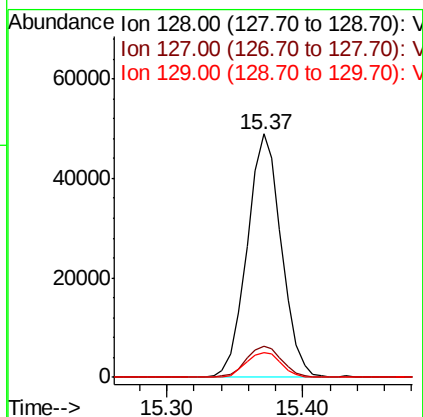
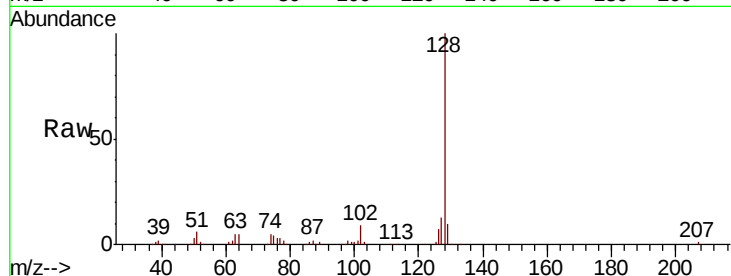




#95
Naphthalene
Concen: 18.272 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW010547.D
Acq: 24 May 2019 13:42

Instrument :
MSVOA_W
ClientSampleId :
VW0524SBSD01

Tgt Ion:128 Resp: 86313
Ion Ratio Lower Upper
128 100
127 13.2 10.6 15.8
129 10.7 8.9 13.3



#96
1,2,3-Trichlorobenzene
Concen: 19.724 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VW010547.D
Acq: 24 May 2019 13:42

Tgt Ion:180 Resp: 38193
Ion Ratio Lower Upper
180 100
182 94.0 47.1 141.3
145 36.3 17.4 52.3

