

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW052019\
 Data File : VW010459.D
 Acq On : 20 May 2019 20:59
 Operator : SY/VA
 Sample : VW0520SBSD01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0520SBSD01

Quant Time: May 21 06:49:19 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	126325	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	230488	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	207794	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	97758	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	71668	54.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.92%	
35) Dibromofluoromethane	7.88	113	71194	50.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.82%	
50) Toluene-d8	10.32	98	270474	50.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.24%	
62) 4-Bromofluorobenzene	12.62	95	104671	49.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.36%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	18068	15.864	ug/l	96
3) Chloromethane	2.21	50	23341	17.586	ug/l	99
4) Vinyl Chloride	2.35	62	26603	17.304	ug/l	100
5) Bromomethane	2.74	94	20947	19.805	ug/l	93
6) Chloroethane	2.90	64	18418	18.662	ug/l	95
7) Trichlorofluoromethane	3.25	101	43122	18.998	ug/l	100
8) Diethyl Ether	3.68	74	14965	20.799	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.05	101	26829	19.194	ug/l	100
10) Methyl Iodide	4.26	142	26292	16.456	ug/l	98
11) Tert butyl alcohol	5.18	59	13037	111.158	ug/l	97
12) 1,1-Dichloroethene	4.03	96	26036	19.513	ug/l	93
13) Acrolein	3.89	56	10569	145.310	ug/l	98
14) Allyl chloride	4.66	41	38438	19.901	ug/l	99
15) Acrylonitrile	5.37	53	32445	107.674	ug/l	99
16) Acetone	4.12	43	25476	95.720	ug/l	92
17) Carbon Disulfide	4.37	76	72470	18.209	ug/l	99
18) Methyl Acetate	4.67	43	16025	24.618	ug/l	98
19) Methyl tert-butyl Ether	5.43	73	73547	21.621	ug/l	96
20) Methylene Chloride	4.92	84	32181	17.289	ug/l	99
21) trans-1,2-Dichloroethene	5.42	96	30052	19.635	ug/l	96
22) Diisopropyl ether	6.31	45	82040	20.715	ug/l	99
23) Vinyl Acetate	6.26	43	251902	106.482	ug/l	99
24) 1,1-Dichloroethane	6.21	63	47815	20.232	ug/l	97
25) 2-Butanone	7.17	43	41858	109.896	ug/l	98
26) 2,2-Dichloropropane	7.17	77	42375	18.823	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	34732	20.873	ug/l	98
28) Bromochloromethane	7.51	49	19263	22.765	ug/l	99
29) Tetrahydrofuran	7.52	42	28690	111.314	ug/l	99
30) Chloroform	7.68	83	53589	21.022	ug/l	96
31) Cyclohexane	7.95	56	46260	18.686	ug/l	96
32) 1,1,1-Trichloroethane	7.87	97	48682	19.981	ug/l	98
36) 1,1-Dichloropropene	8.08	75	40426	18.828	ug/l	100
37) Ethyl Acetate	7.25	43	18493	20.254	ug/l	96
38) Carbon Tetrachloride	8.07	117	43278	18.685	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	53656	18.652	ug/l	99
40) Benzene	8.32	78	116597	19.538	ug/l	98
41) Methacrylonitrile	7.48	41	10639	19.611	ug/l	98
42) 1,2-Dichloroethane	8.40	62	35088	20.572	ug/l	99
43) Isopropyl Acetate	8.43	43	37984	20.824	ug/l	98
44) Trichloroethene	9.09	130	33600	18.965	ug/l	98
45) 1,2-Dichloropropane	9.37	63	28142	19.856	ug/l	100
46) Dibromomethane	9.46	93	17200	20.751	ug/l	98
47) Bromodichloromethane	9.65	83	41535	19.940	ug/l	98
48) Methyl methacrylate	9.44	41	16952	20.314	ug/l	97
49) 1,4-Dioxane	9.45	88	5871	433.592	ug/l	96
51) 4-Methyl-2-Pentanone	10.21	43	97425	105.404	ug/l	99
52) Toluene	10.39	92	78092	19.485	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	41206	19.533	ug/l	97
54) cis-1,3-Dichloropropene	10.07	75	47507	19.718	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	24676	20.702	ug/l	98
56) Ethyl methacrylate	10.65	69	33545	20.406	ug/l	100
57) 1,3-Dichloropropane	10.93	76	41162	20.616	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	78768	108.179	ug/l	100
59) 2-Hexanone	10.97	43	66559	100.946	ug/l	99
60) Dibromochloromethane	11.13	129	30083	19.942	ug/l	99
61) 1,2-Dibromoethane	11.23	107	24876	20.602	ug/l	100
64) Tetrachloroethene	10.86	164	27995	19.327	ug/l	98
65) Chlorobenzene	11.66	112	86122	19.447	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	30925	19.494	ug/l	100
67) Ethyl Benzene	11.73	91	149378	19.105	ug/l	99
68) m/p-Xylenes	11.84	106	117691	38.376	ug/l	99
69) o-Xylene	12.16	106	55644	19.150	ug/l	98
70) Styrene	12.18	104	96745	19.624	ug/l	99
71) Bromoform	12.35	173	16946	19.398	ug/l	# 99
73) Isopropylbenzene	12.46	105	148158	19.099	ug/l	99
74) N-amyl acetate	12.27	43	34543	19.432	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	29084	20.613	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	36700	36.985	ug/l	# 1
77) Bromobenzene	12.75	156	34480	19.862	ug/l	96
78) n-propylbenzene	12.80	91	172724	19.106	ug/l	99
79) 2-Chlorotoluene	12.89	91	103570	19.755	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	128753	19.597	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	9311	19.583	ug/l	96
82) 4-Chlorotoluene	12.99	91	107430	19.742	ug/l	99
83) tert-Butylbenzene	13.21	119	108130	18.841	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	127379	19.466	ug/l	98
85) sec-Butylbenzene	13.38	105	152518	18.990	ug/l	99
86) p-Isopropyltoluene	13.50	119	136716	18.807	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	66533	19.535	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	66228	19.381	ug/l	98
89) n-Butylbenzene	13.83	91	127822	18.486	ug/l	100
90) Hexachloroethane	14.10	117	27214	19.341	ug/l	94
91) 1,2-Dichlorobenzene	13.87	146	60089	19.363	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	5272	20.094	ug/l	98

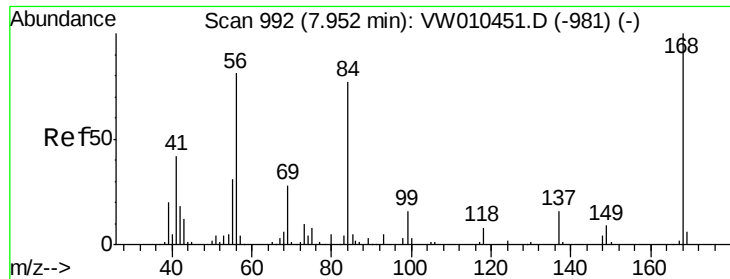
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	39406	18.663	ug/l	99
94) Hexachlorobutadiene	15.24	225	20071	17.794	ug/l	98
95) Naphthalene	15.37	128	88692	20.011	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	34611	19.050	ug/l	97

(#) = 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: VW010459.D

Acq: 20 May 2019 20:59

Instrument :

MSVOA_W

ClientSampleId :

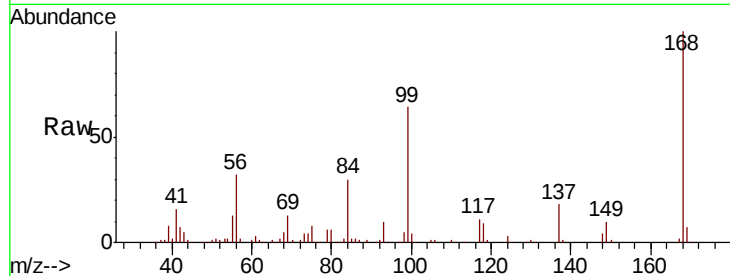
VW0520SBS01

Tot Ion:168 Resp: 126325

Ion Ratio Lower Upper

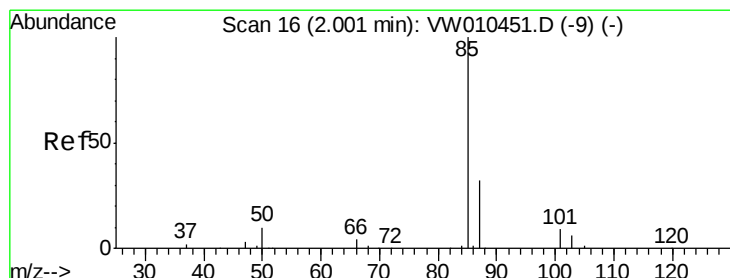
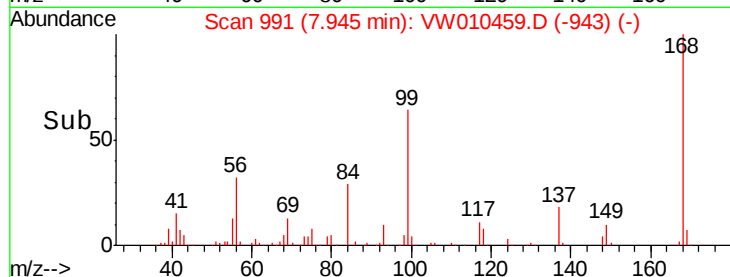
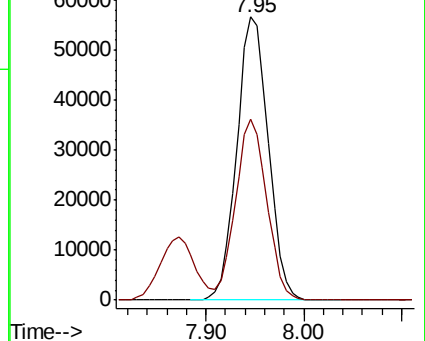
168 100

99 64.1 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: 15.864 ug/l

RT: 2.00 min Scan# 15

Delta R.T. -0.01 min

Lab File: VW010459.D

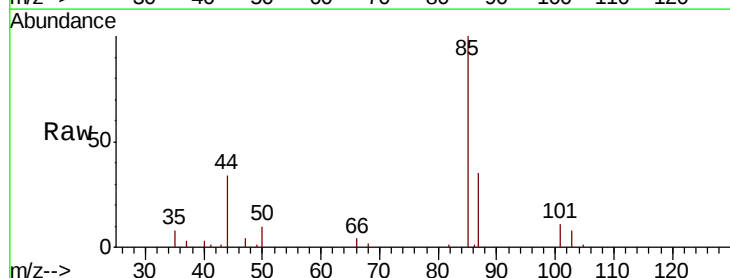
Acq: 20 May 2019 20:59

Tgt Ion: 85 Resp: 18068

Ion Ratio Lower Upper

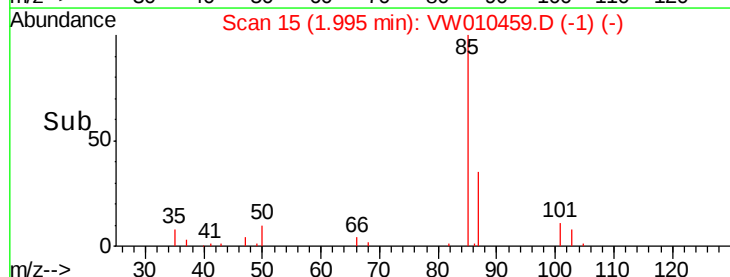
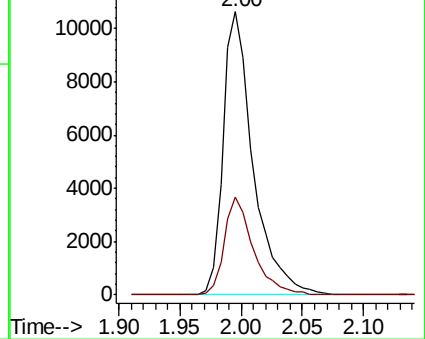
85 100

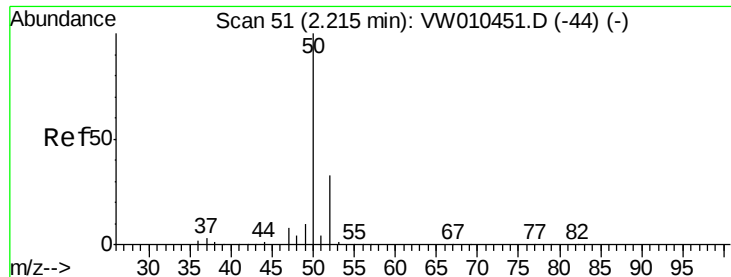
87 34.6 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 17.586 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW010459.D

Acq: 20 May 2019 20:59

Instrument :

MSVOA_W

ClientSampleId :

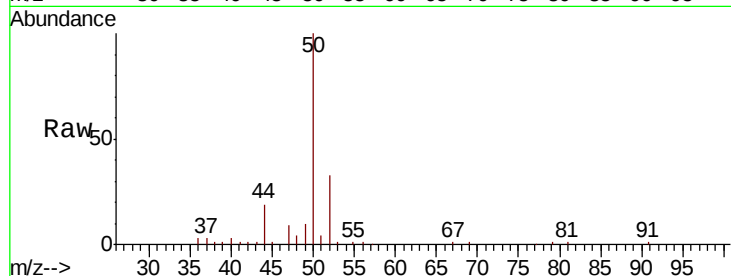
VW0520SBSD01

Tot Ion: 50 Resp: 23341

Ion Ratio Lower Upper

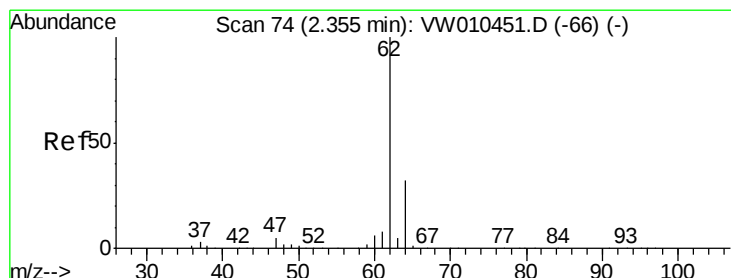
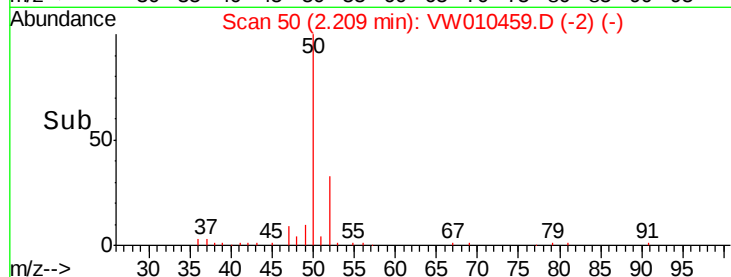
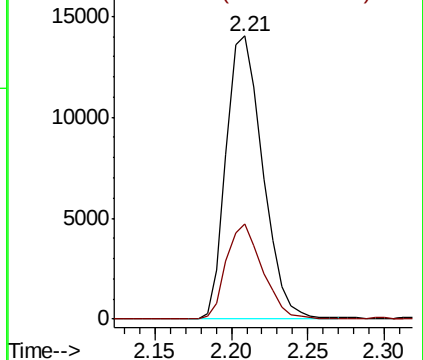
50 100

52 33.5 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: 17.304 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.01 min

Lab File: VW010459.D

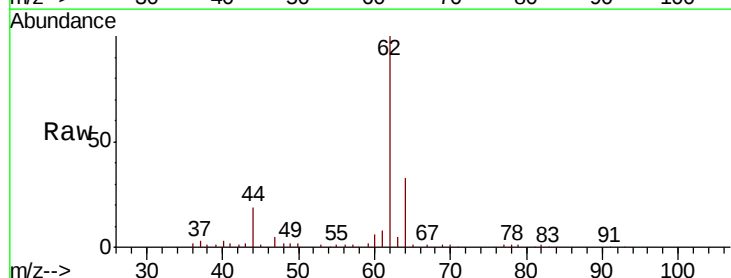
Acq: 20 May 2019 20:59

Tgt Ion: 62 Resp: 26603

Ion Ratio Lower Upper

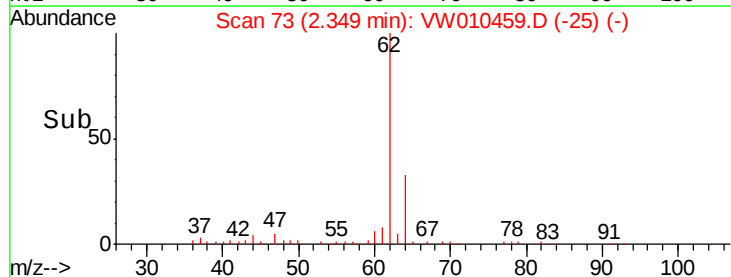
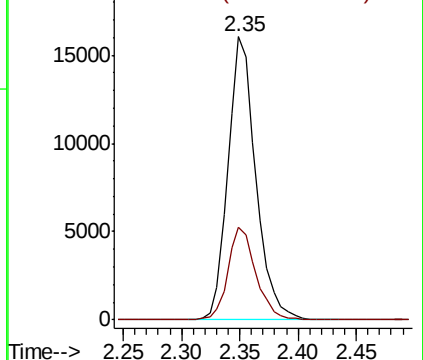
62 100

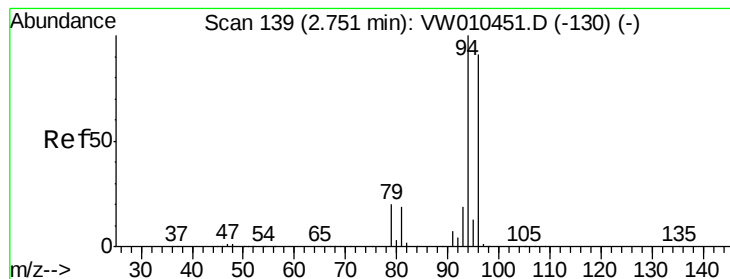
64 32.5 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW





#5

Bromomethane

Concen: 19.805 ug/l

RT: 2.74 min Scan# 137

Delta R.T. -0.01 min

Lab File: VW010459.D

Acq: 20 May 2019 20:59

Instrument :

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ClientSampleId :

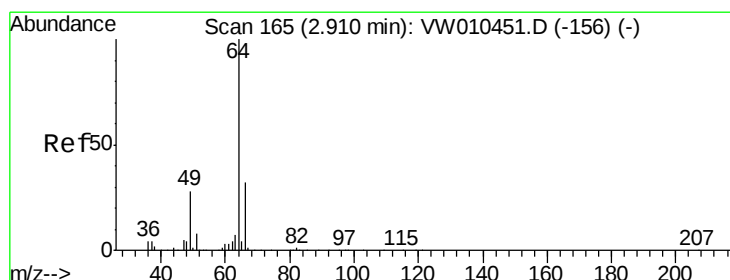
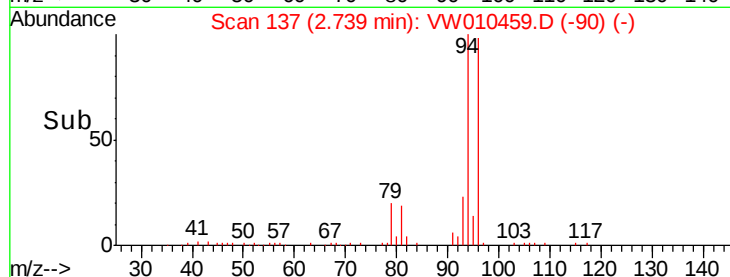
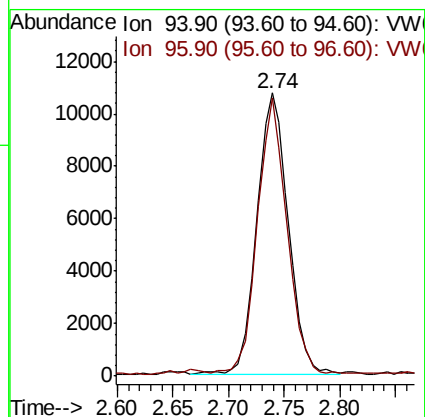
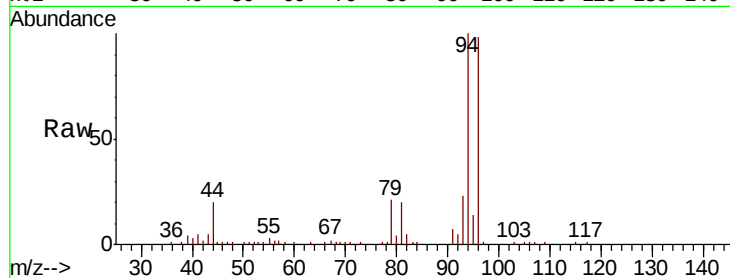
VW0520SBSD01

Tot Ion: 94 Resp: 20947

Ion Ratio Lower Upper

94 100

96 97.8 72.9 109.3



#6

Chloroethane

Concen: 18.662 ug/l

RT: 2.90 min Scan# 163

Delta R.T. -0.01 min

Lab File: VW010459.D

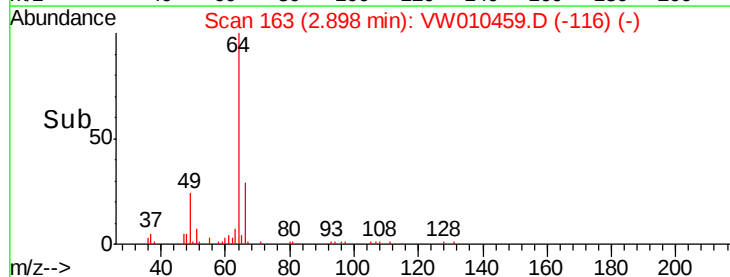
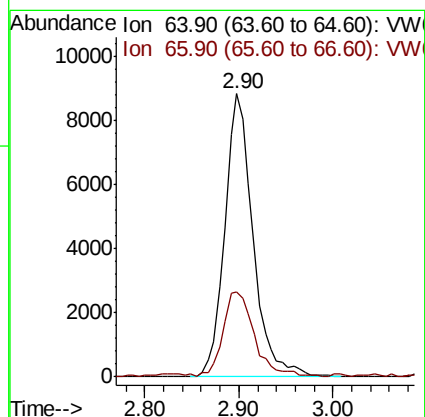
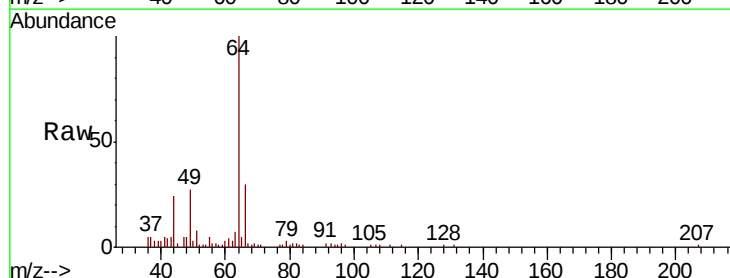
Acq: 20 May 2019 20:59

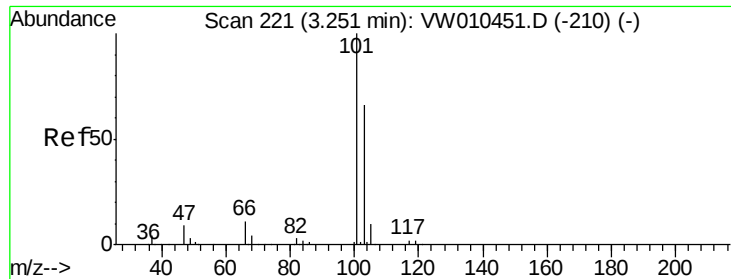
Tgt Ion: 64 Resp: 18418

Ion Ratio Lower Upper

64 100

66 29.0 25.5 38.3



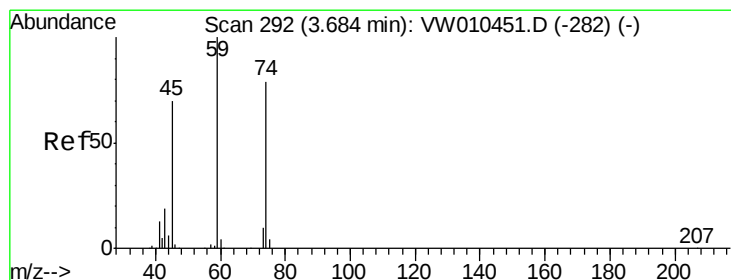
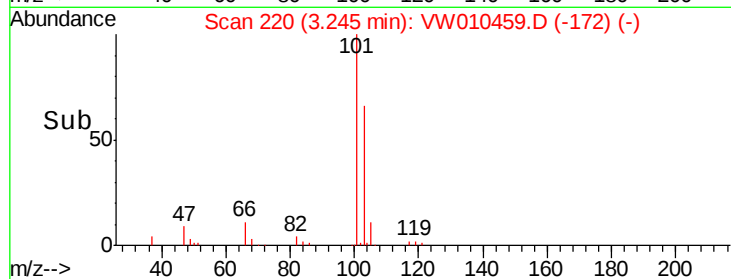
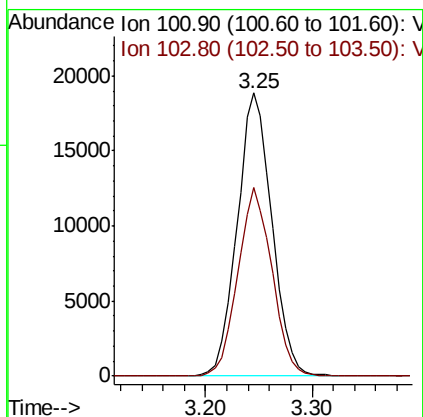
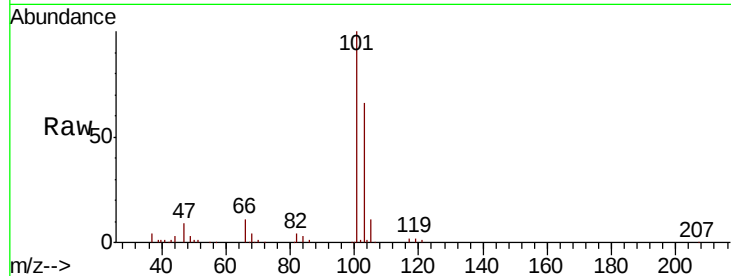


#7

Trichlorofluoromethane
 Concen: 18.998 ug/l
 RT: 3.25 min Scan# 220
 Delta R.T. -0.01 min
 Lab File: VW010459.D
 Acq: 20 May 2019 20:59

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0520SBSD01

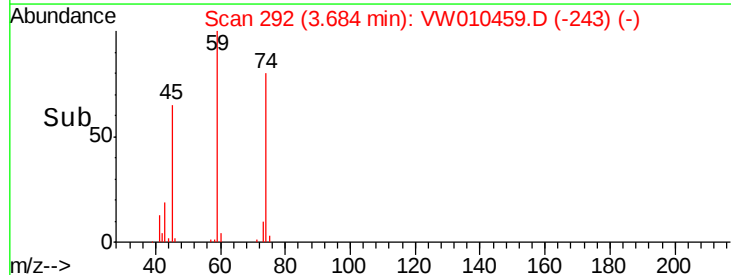
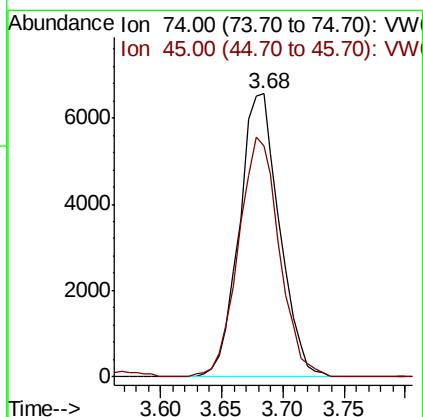
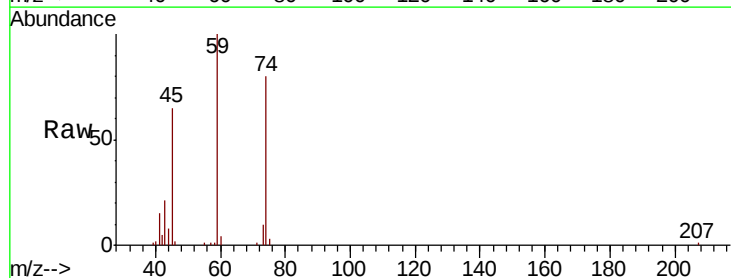
Tot Ion:101 Resp: 43122
 Ion Ratio Lower Upper
 101 100
 103 66.5 53.0 79.4

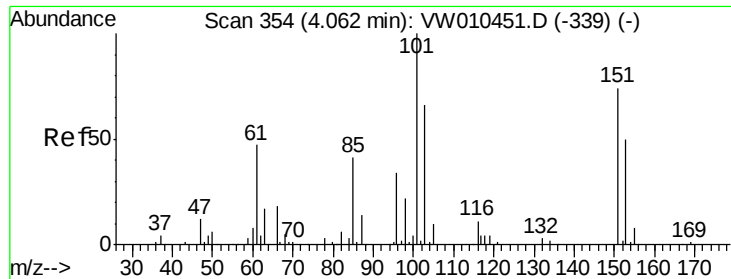


#8

Diethyl Ether
 Concen: 20.799 ug/l
 RT: 3.68 min Scan# 292
 Delta R.T. -0.00 min
 Lab File: VW010459.D
 Acq: 20 May 2019 20:59

Tgt Ion: 74 Resp: 14965
 Ion Ratio Lower Upper
 74 100
 45 86.1 42.9 128.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.194 ug/l

RT: 4.05 min Scan# 352

Delta R.T. -0.01 min

Lab File: VW010459.D

Acq: 20 May 2019 20:59

Instrument :

MSVOA_W

ClientSampleId :

VW0520SBSD01

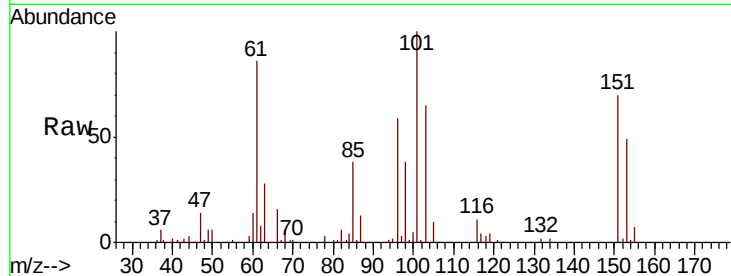
Tot Ion:101 Resp: 26829

Ion Ratio Lower Upper

101 100

85 42.8 34.3 51.5

151 75.3 60.3 90.5

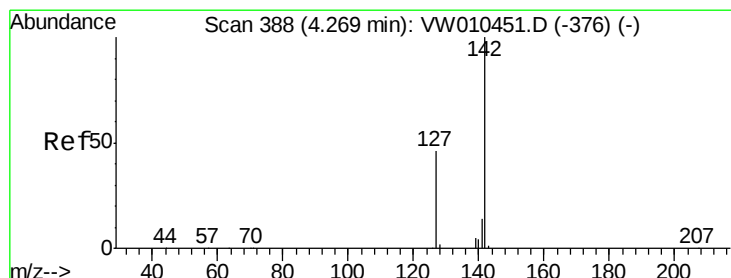
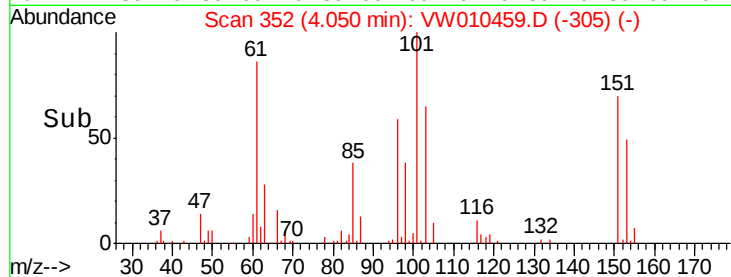
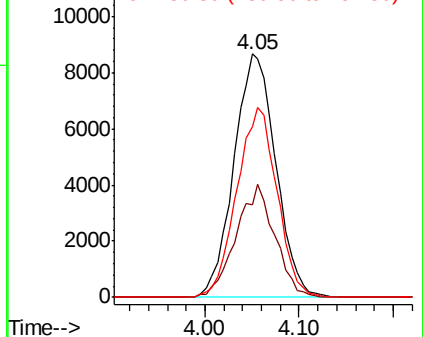


Abundance

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: 16.456 ug/l

RT: 4.26 min Scan# 387

Delta R.T. -0.01 min

Lab File: VW010459.D

Acq: 20 May 2019 20:59

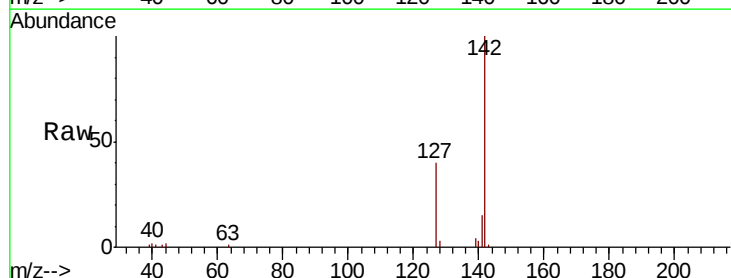
Tgt Ion:142 Resp: 26292

Ion Ratio Lower Upper

142 100

127 43.2 36.1 54.1

141 14.1 11.3 16.9

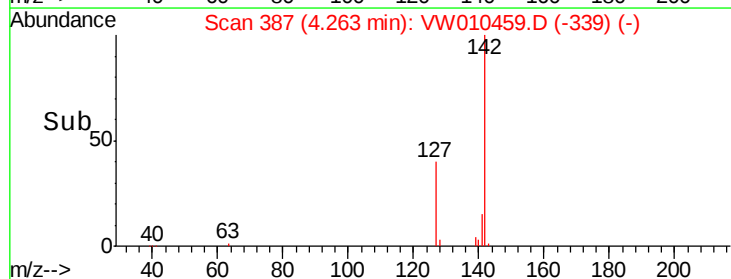
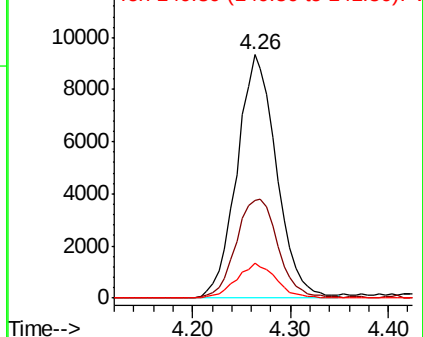


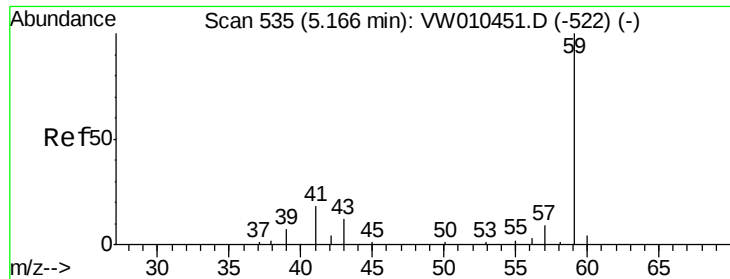
Abundance

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

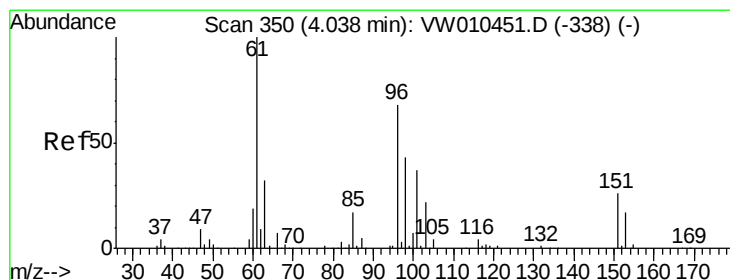
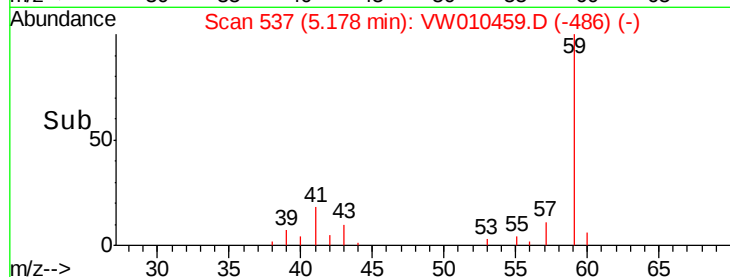
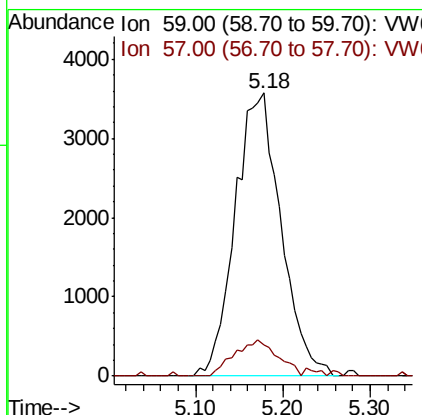
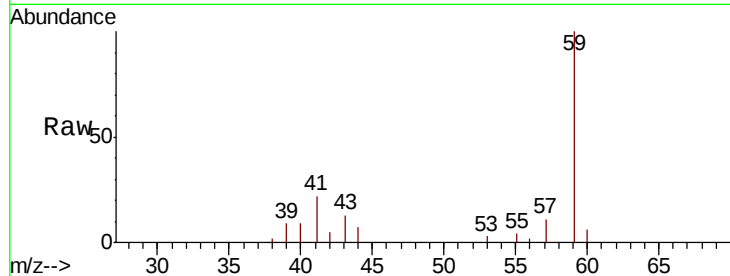




#11
Tert butyl alcohol
Concen: 111.158 ug/l
RT: 5.18 min Scan# 537
Delta R.T. 0.01 min
Lab File: VW010459.D
Acq: 20 May 2019 20:59

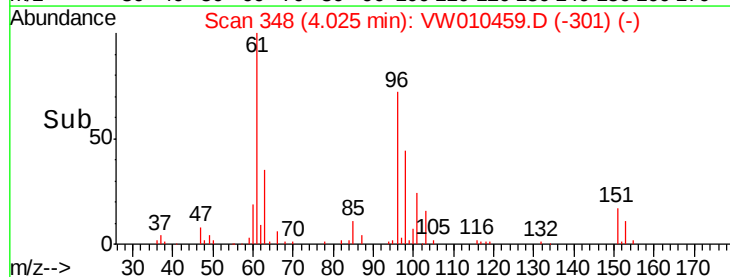
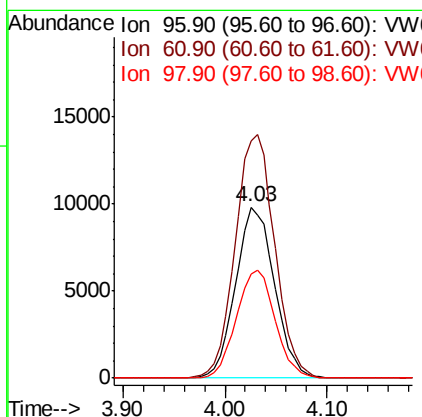
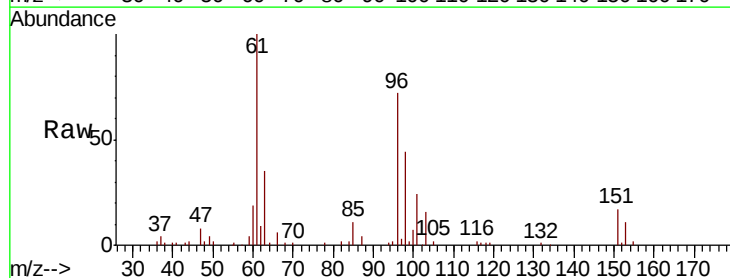
Instrument :
MSVOA_W
ClientSampleId :
VW0520SBS01

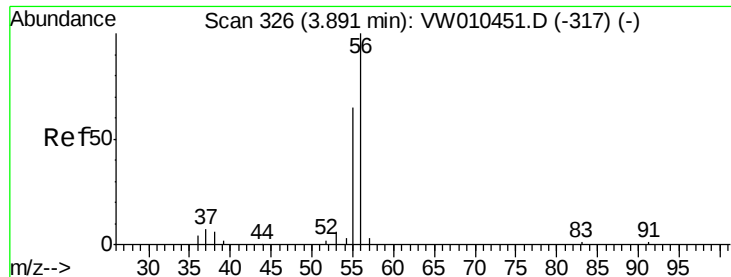
Tot Ion: 59 Resp: 13037
Ion Ratio Lower Upper
59 100
57 12.0 8.8 13.2



#12
1,1-Dichloroethene
Concen: 19.513 ug/l
RT: 4.03 min Scan# 348
Delta R.T. -0.01 min
Lab File: VW010459.D
Acq: 20 May 2019 20:59

Tgt Ion: 96 Resp: 26036
Ion Ratio Lower Upper
96 100
61 138.4 118.3 177.5
98 60.5 51.0 76.6

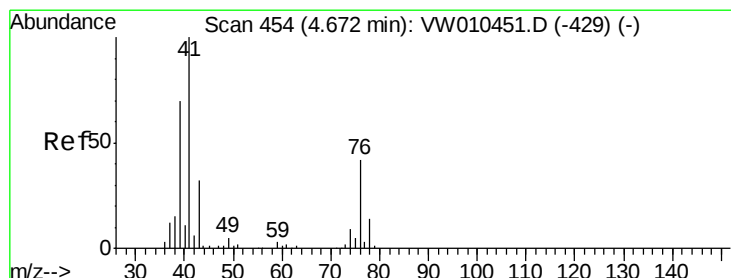
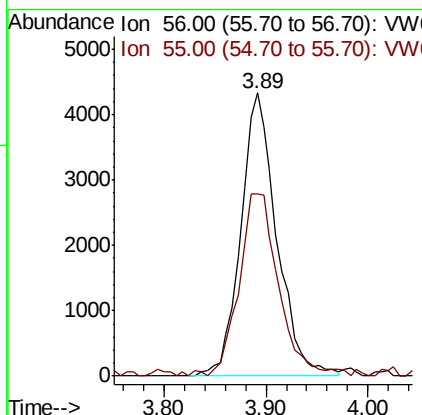
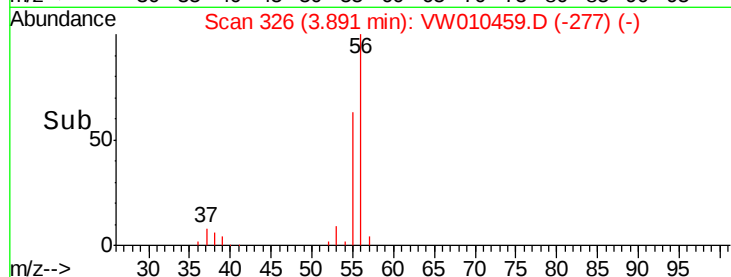
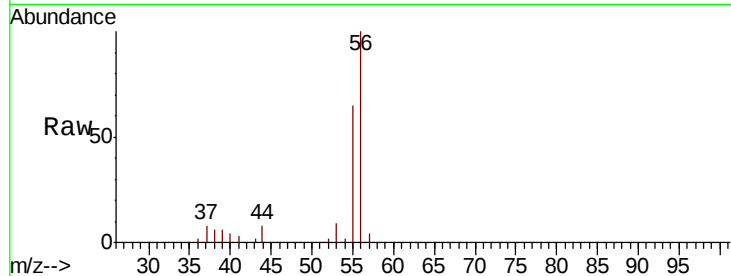




#13
 Acrolein
 Concen: 145.310 ug/l
 RT: 3.89 min Scan# 326
 Delta R.T. 0.00 min
 Lab File: VW010459.D
 Acq: 20 May 2019 20:59

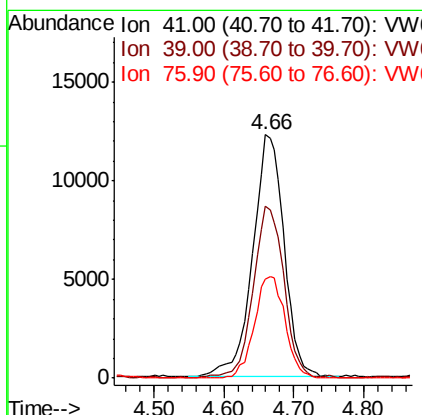
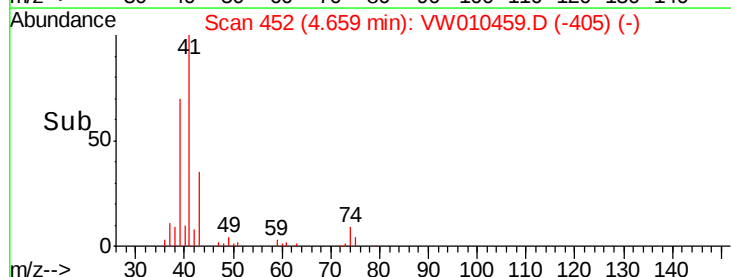
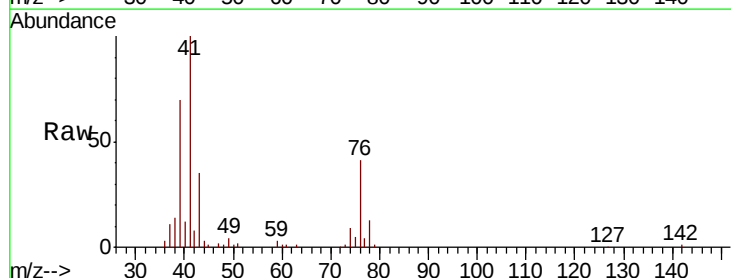
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0520SBSD01

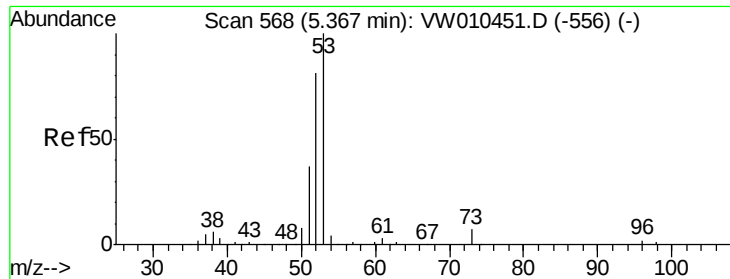
Tot Ion: 56 Resp: 10569
 Ion Ratio Lower Upper
 56 100
 55 70.8 57.9 86.9



#14
 Allyl chloride
 Concen: 19.901 ug/l
 RT: 4.66 min Scan# 452
 Delta R.T. -0.01 min
 Lab File: VW010459.D
 Acq: 20 May 2019 20:59

Tgt Ion: 41 Resp: 38438
 Ion Ratio Lower Upper
 41 100
 39 69.3 55.0 82.4
 76 40.8 32.8 49.2





#15

Acrylonitrile

Concen: 107.674 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.00 min

Lab File: VW010459.D

Acq: 20 May 2019 20:59

Instrument :

MSVOA_W

ClientSampleId :

VW0520SBSD01

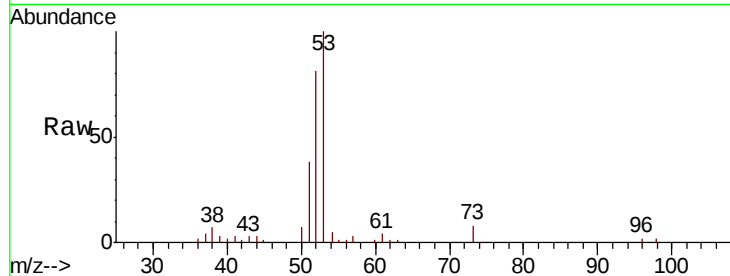
Tot Ion: 53 Resp: 32445

Ion Ratio Lower Upper

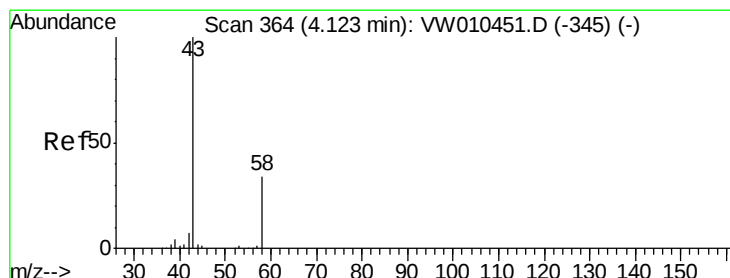
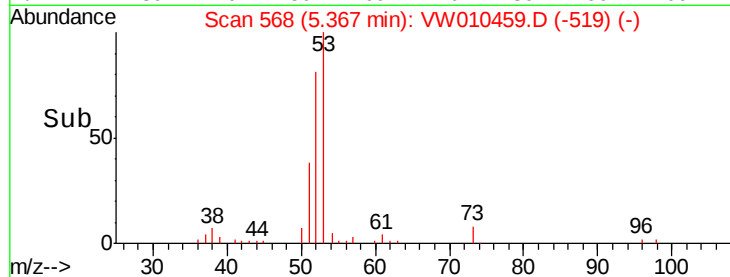
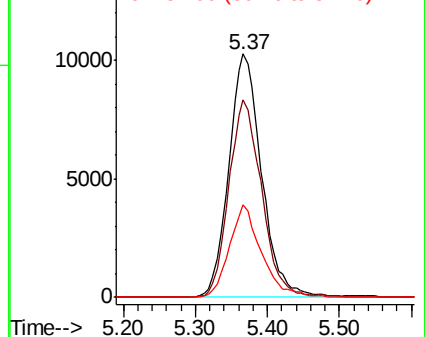
53 100

52 80.6 65.6 98.4

51 37.2 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: 95.720 ug/l

RT: 4.12 min Scan# 364

Delta R.T. -0.00 min

Lab File: VW010459.D

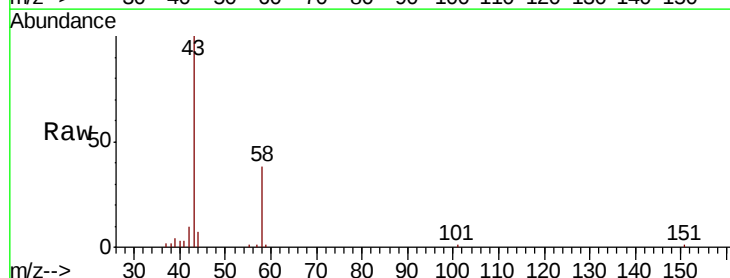
Acq: 20 May 2019 20:59

Tgt Ion: 43 Resp: 25476

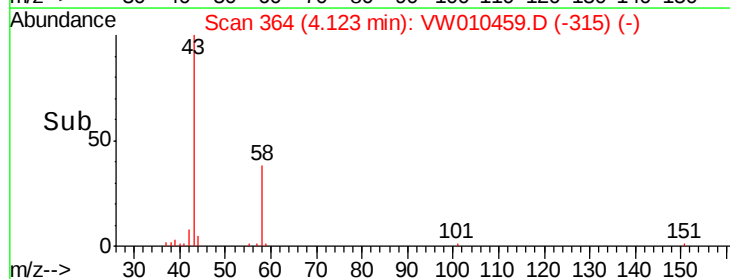
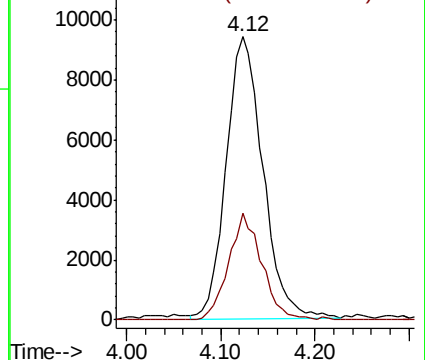
Ion Ratio Lower Upper

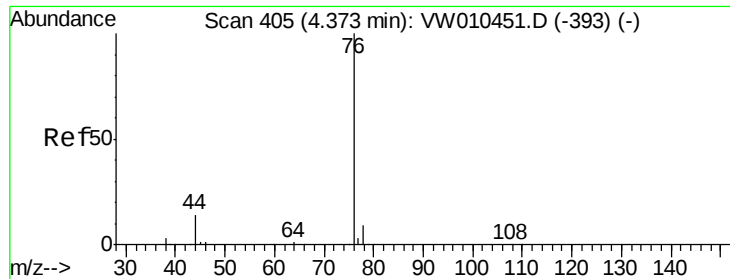
43 100

58 38.2 27.0 40.4



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

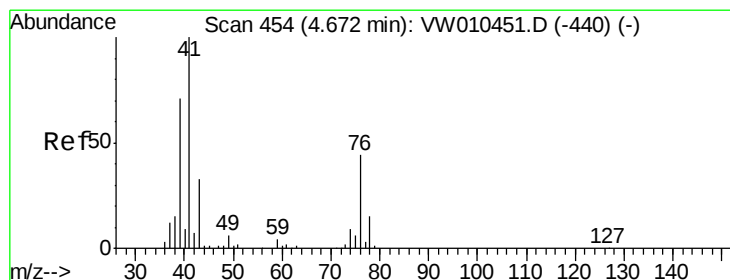
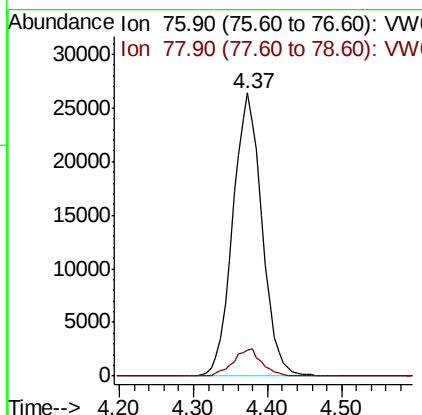
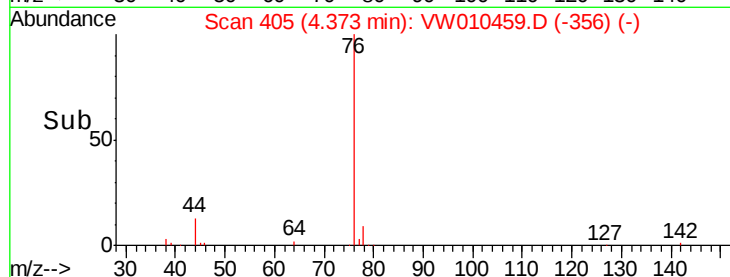
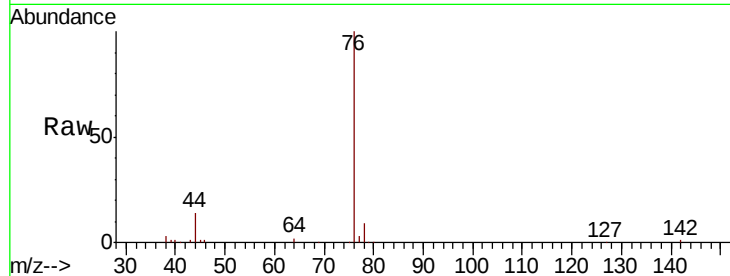




#17
Carbon Disulfide
Concen: 18.209 ug/l
RT: 4.37 min Scan# 405
Delta R.T. -0.00 min
Lab File: VW010459.D
Acq: 20 May 2019 20:59

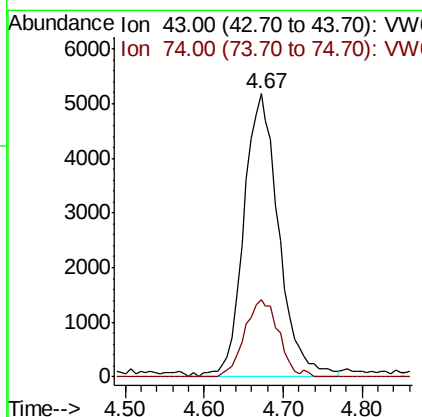
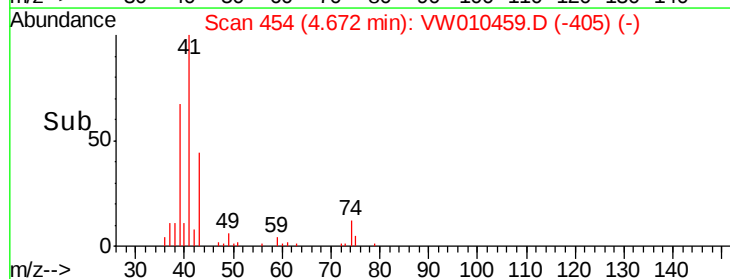
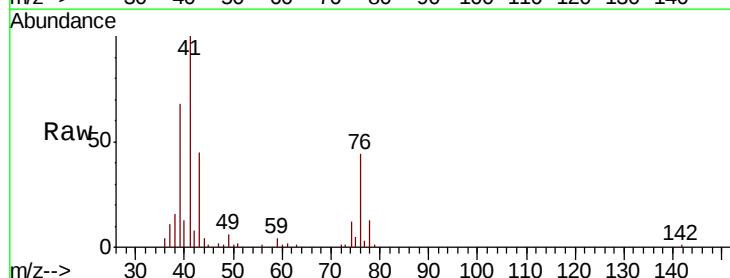
Instrument :
MSVOA_W
ClientSampleId :
VW0520SBSD01

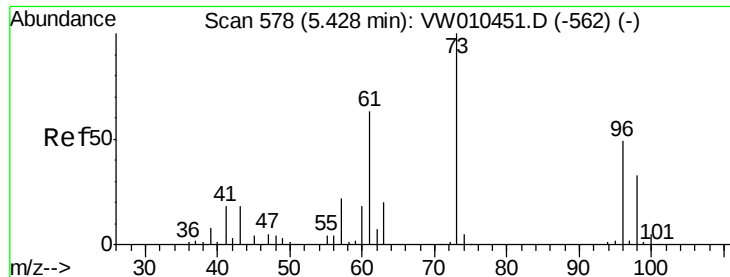
Tot Ion: 76 Resp: 72470
Ion Ratio Lower Upper
76 100
78 9.3 7.1 10.7



#18
Methyl Acetate
Concen: 24.618 ug/l
RT: 4.67 min Scan# 454
Delta R.T. -0.00 min
Lab File: VW010459.D
Acq: 20 May 2019 20:59

Tgt Ion: 43 Resp: 16025
Ion Ratio Lower Upper
43 100
74 26.0 21.6 32.4

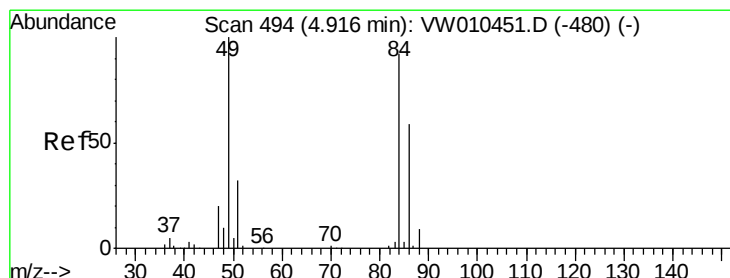
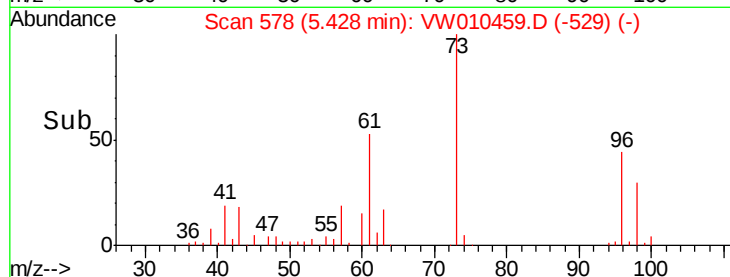
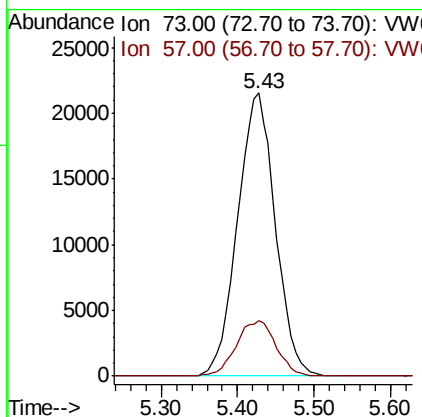
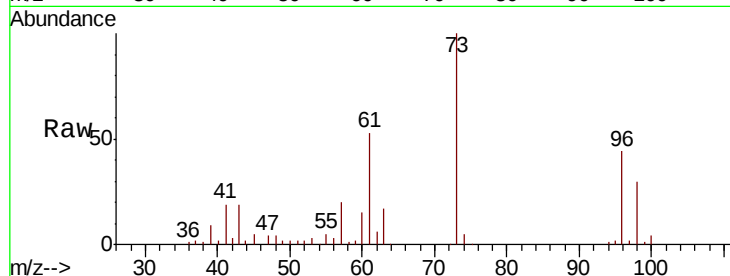




#19
Methyl tert-butyl Ether
Concen: 21.621 ug/l
RT: 5.43 min Scan# 578
Delta R.T. -0.00 min
Lab File: VW010459.D
Acq: 20 May 2019 20:59

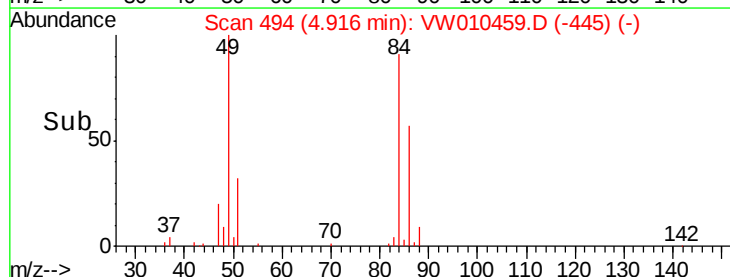
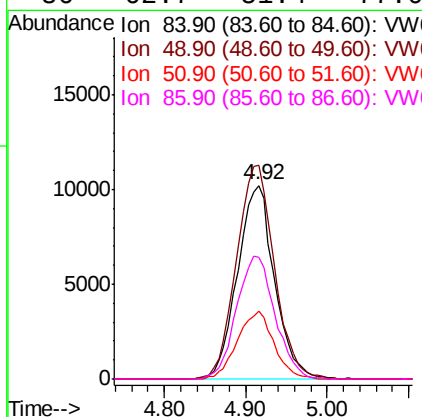
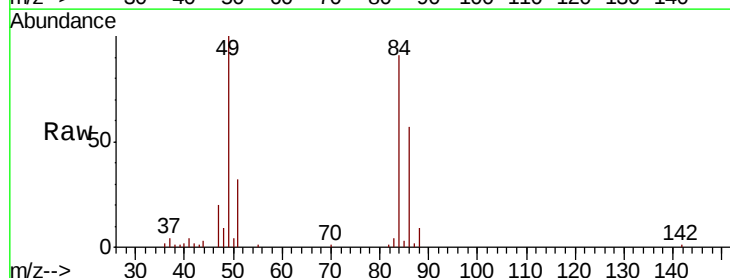
Instrument :
MSVOA_W
ClientSampleId :
VW0520SBS01

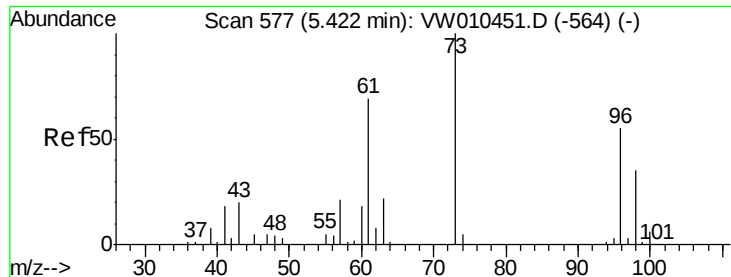
Tot Ion: 73 Resp: 73547
Ion Ratio Lower Upper
73 100
57 19.8 17.4 26.0



#20
Methylene Chloride
Concen: 17.289 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW010459.D
Acq: 20 May 2019 20:59

Tgt Ion: 84 Resp: 32181
Ion Ratio Lower Upper
84 100
49 110.3 87.2 130.8
51 35.1 27.7 41.5
86 62.7 51.4 77.0





#21

trans-1,2-Dichloroethene

Concen: 19.635 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW010459.D

Acq: 20 May 2019 20:59

Instrument :

MSVOA_W

ClientSampleId :

VW0520SBSD01

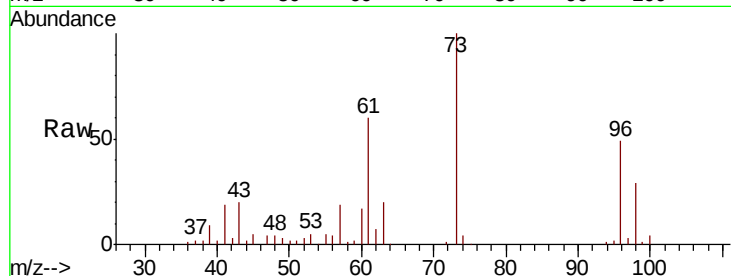
Tot Ion: 96 Resp: 30052

Ion Ratio Lower Upper

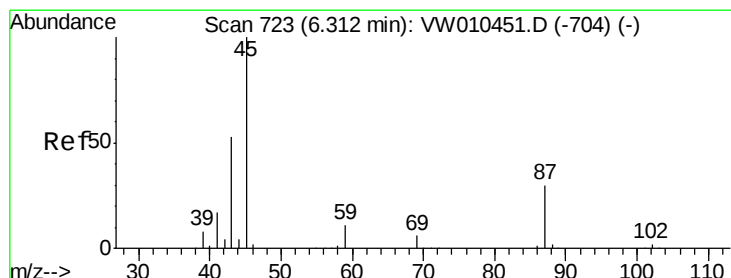
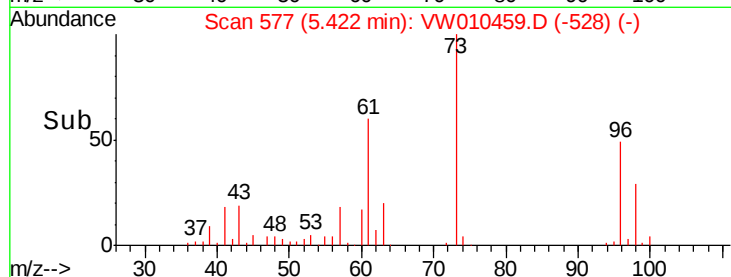
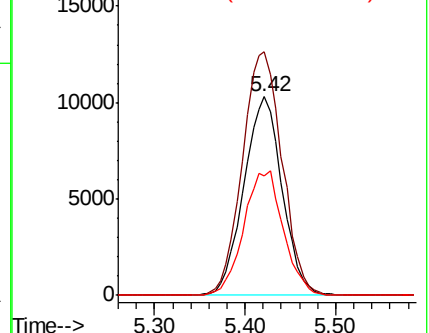
96 100

61 122.8 101.4 152.0

98 60.1 50.6 76.0



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



#22

Diisopropyl ether

Concen: 20.715 ug/l

RT: 6.31 min Scan# 723

Delta R.T. -0.00 min

Lab File: VW010459.D

Acq: 20 May 2019 20:59

Tgt Ion: 45 Resp: 82040

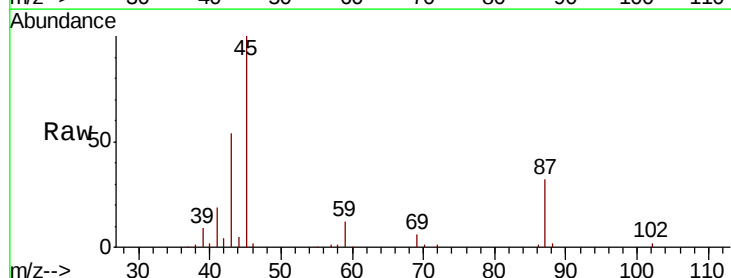
Ion Ratio Lower Upper

45 100

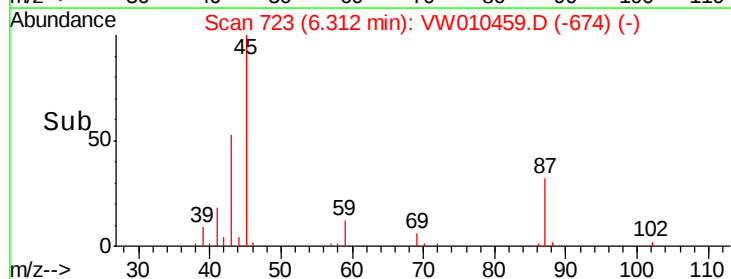
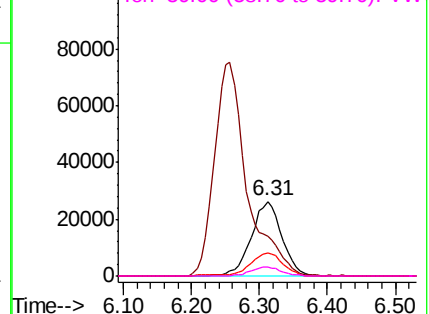
43 52.6 42.9 64.3

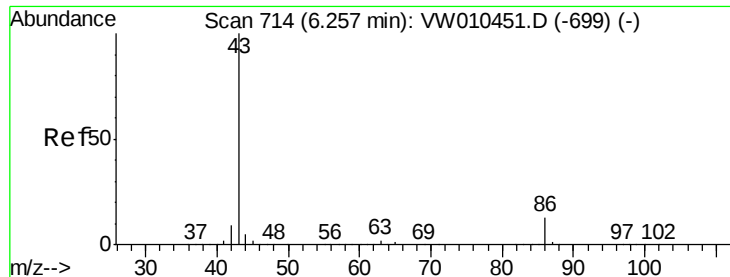
87 31.5 24.6 36.8

59 11.7 9.4 14.0



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





#23

Vinyl Acetate

Concen: 106.482 ug/l

RT: 6.26 min Scan# 714

Delta R.T. -0.00 min

Lab File: VW010459.D

Acq: 20 May 2019 20:59

Instrument :

MSVOA_W

ClientSampleId :

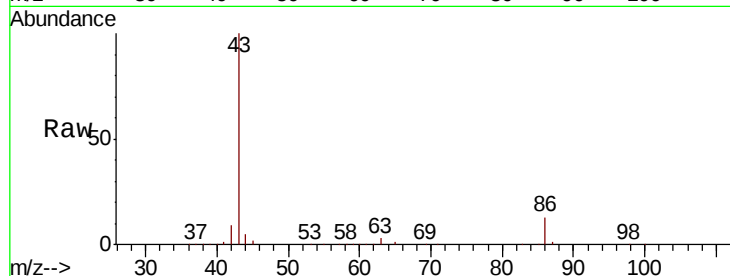
VW0520SBSD01

Tot Ion: 43 Resp: 251902

Ion Ratio Lower Upper

43 100

86 13.3 10.3 15.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW

6.26

80000

60000

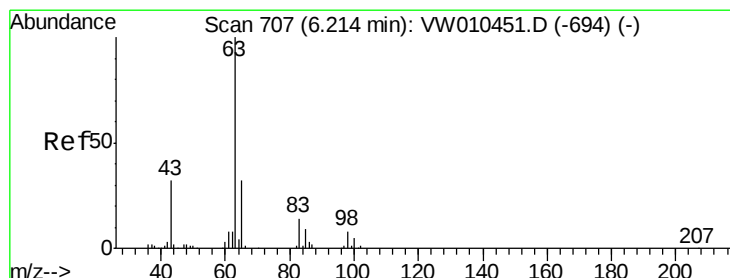
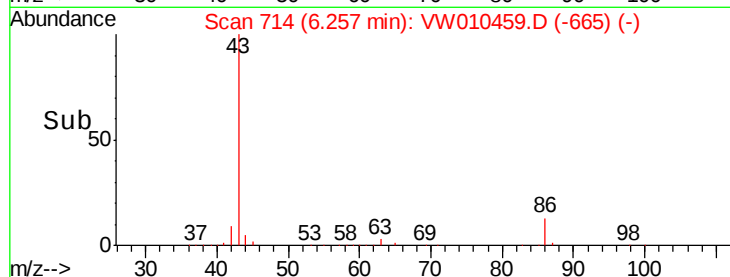
40000

20000

0

6.10 6.20 6.30 6.40 6.50

Time-->



#24

1,1-Dichloroethane

Concen: 20.232 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW010459.D

Acq: 20 May 2019 20:59

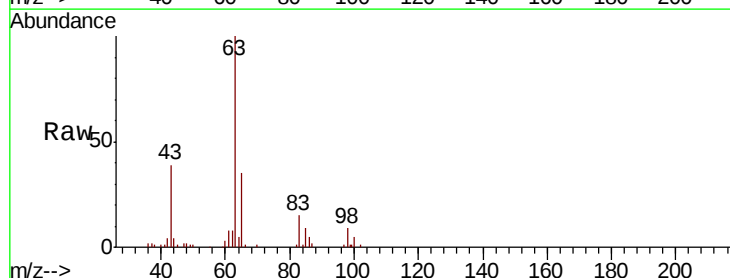
Tgt Ion: 63 Resp: 47815

Ion Ratio Lower Upper

63 100

98 8.8 3.8 11.2

100 4.5 2.5 7.4



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW

20000

15000

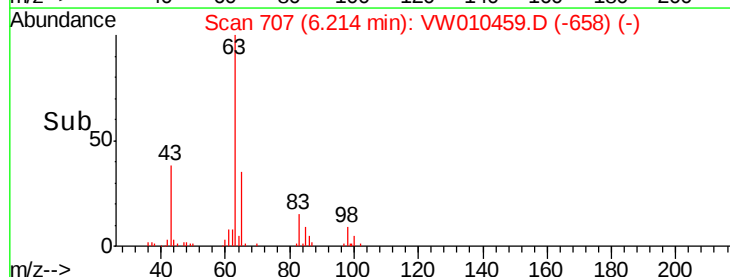
10000

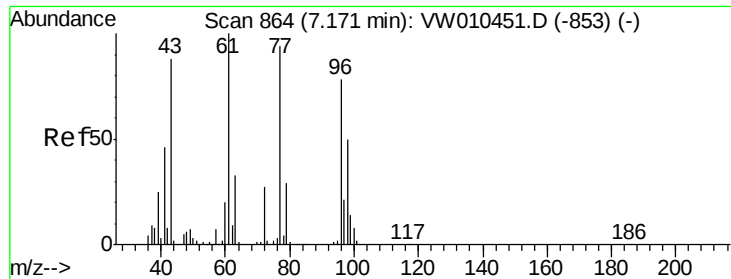
5000

0

6.10 6.20 6.30

Time-->





#25

2-Butanone

Concen: 109.896 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW010459.D

Acq: 20 May 2019 20:59

Instrument :

MSVOA_W

ClientSampleId :

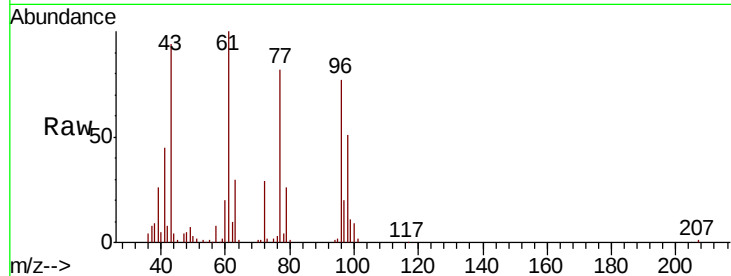
VW0520SBSD01

Tot Ion: 43 Resp: 41858

Ion Ratio Lower Upper

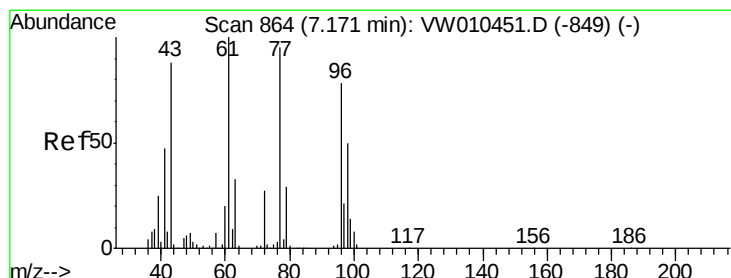
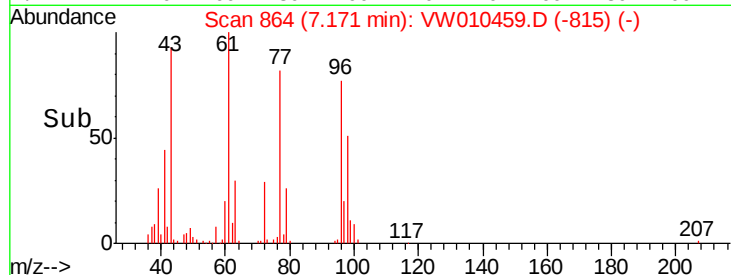
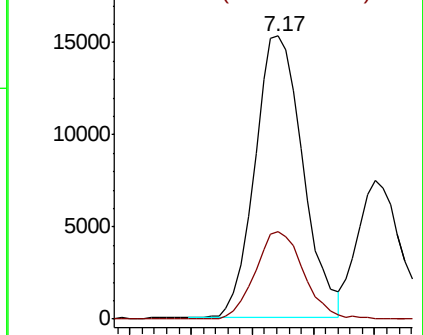
43 100

72 31.1 24.1 36.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



#26

2,2-Dichloropropane

Concen: 18.823 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW010459.D

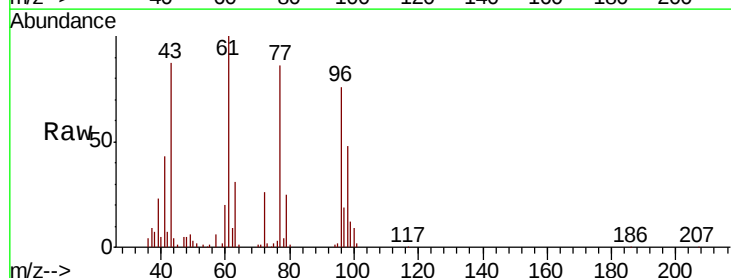
Acq: 20 May 2019 20:59

Tgt Ion: 77 Resp: 42375

Ion Ratio Lower Upper

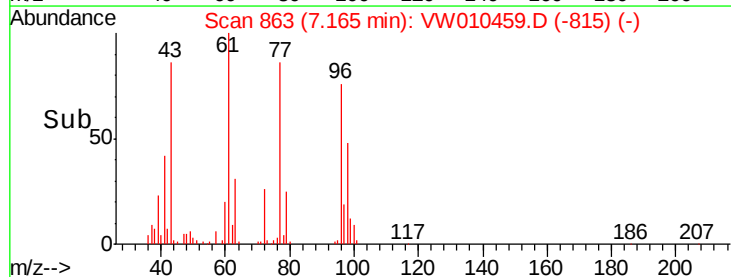
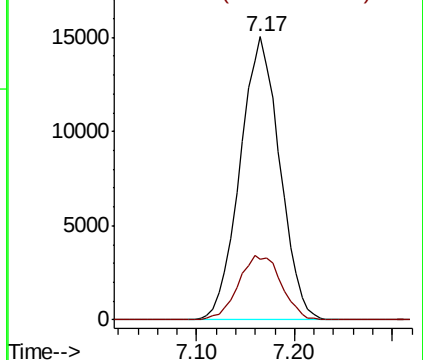
77 100

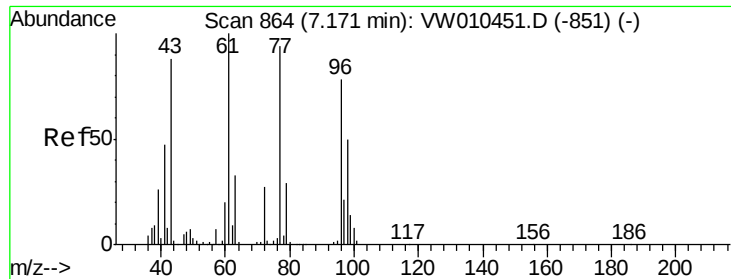
97 24.4 11.7 35.0



Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW



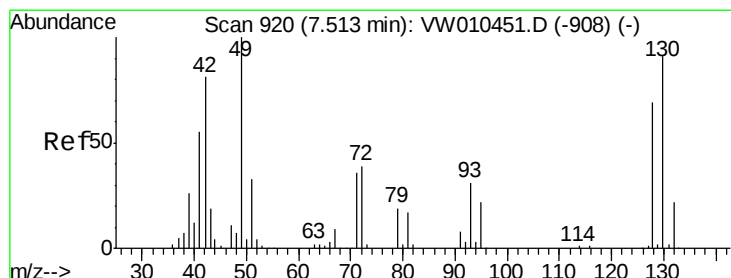
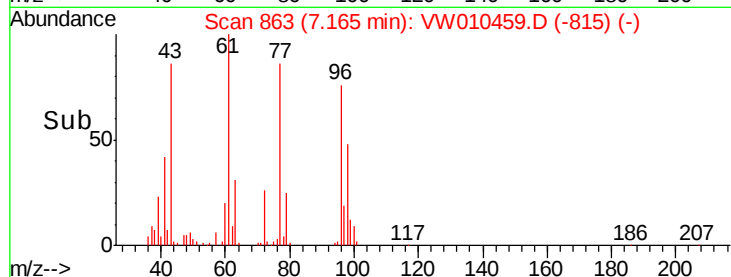
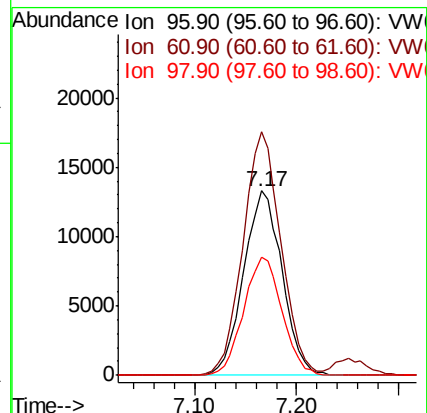
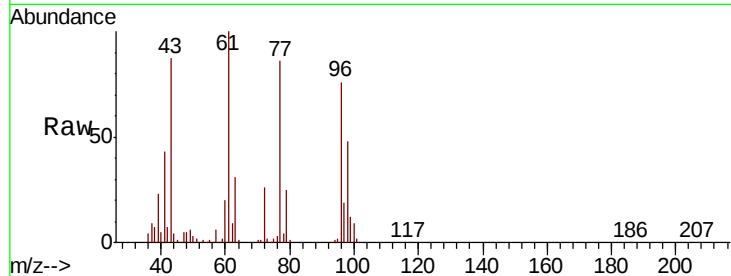


#27

cis-1,2-Dichloroethene
 Concen: 20.873 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VW010459.D
 Acq: 20 May 2019 20:59

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0520SBS01

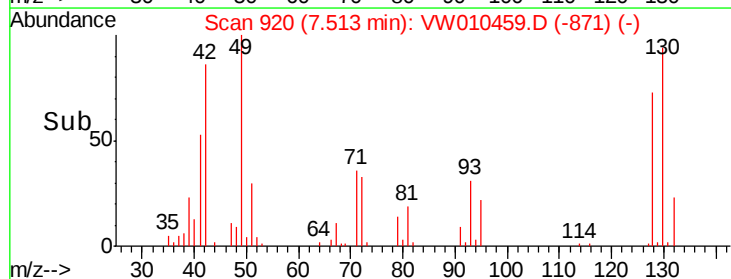
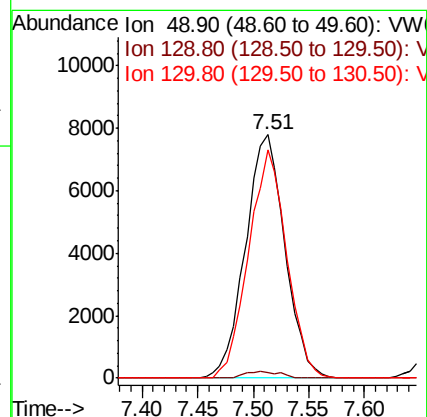
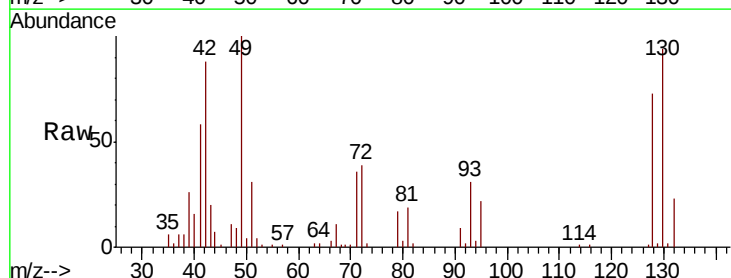
Tot Ion: 96 Resp: 34732
 Ion Ratio Lower Upper
 96 100
 61 130.3 0.0 265.4
 98 64.0 0.0 129.4

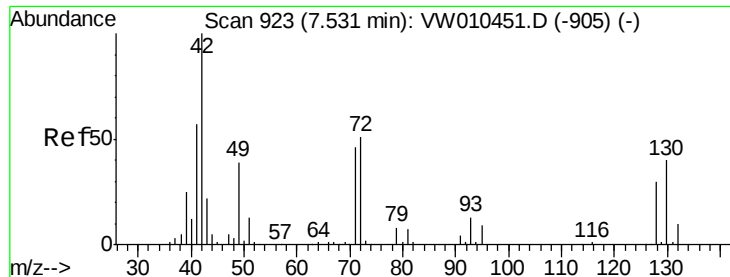


#28

Bromochloromethane
 Concen: 22.765 ug/l
 RT: 7.51 min Scan# 920
 Delta R.T. -0.00 min
 Lab File: VW010459.D
 Acq: 20 May 2019 20:59

Tgt Ion: 49 Resp: 19263
 Ion Ratio Lower Upper
 49 100
 129 2.4 0.0 4.8
 130 90.3 71.2 106.8

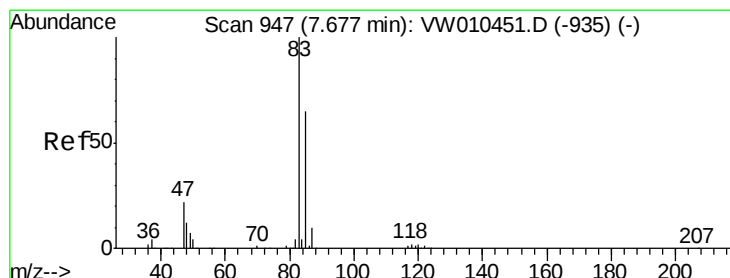
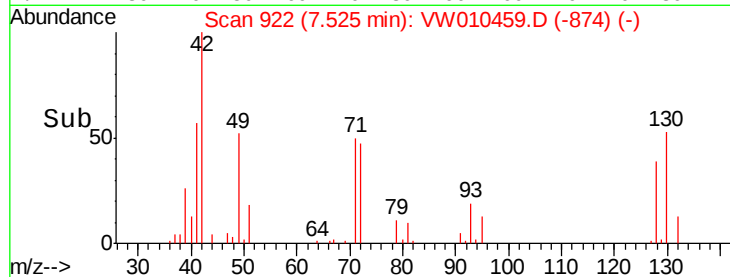
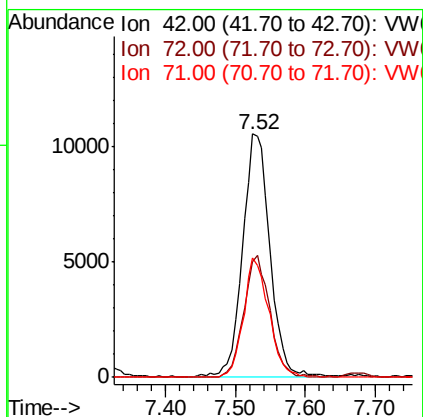
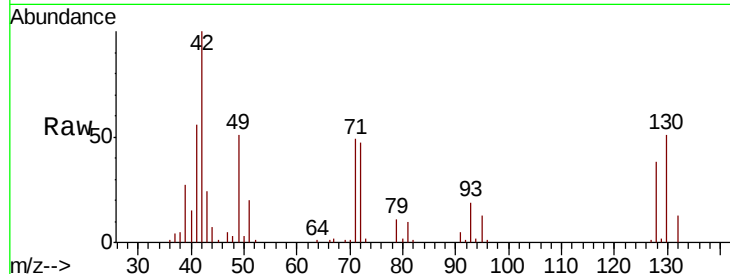




#29
Tetrahydrofuran
Concen: 111.314 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW010459.D
Acq: 20 May 2019 20:59

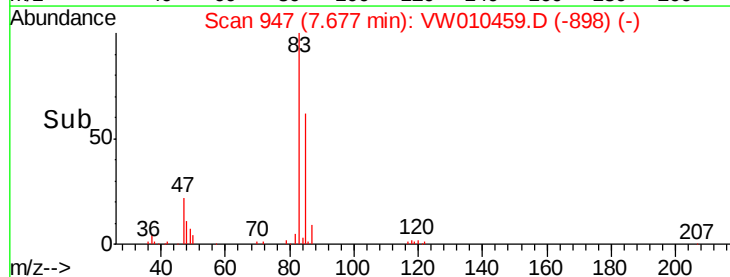
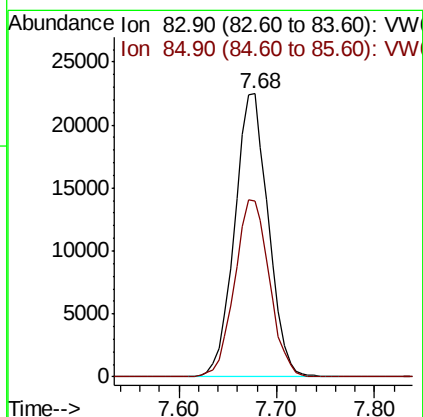
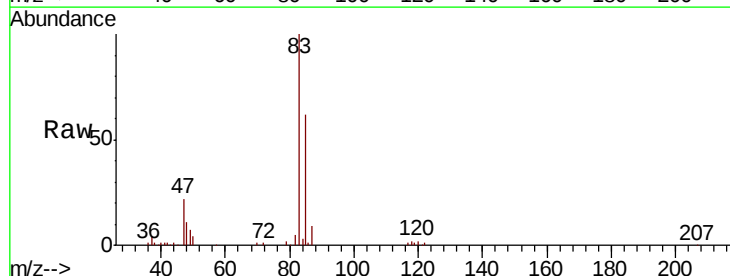
Instrument :
MSVOA_W
ClientSampled :
VW0520SBS01

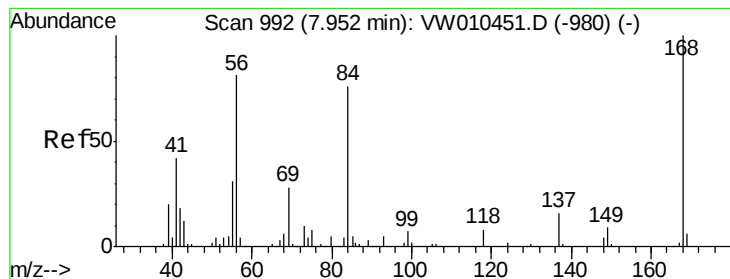
Tot Ion	Ratio	Lower	Upper
42	100		
72	47.4	38.5	57.7
71	45.2	36.5	54.7



#30
Chloroform
Concen: 21.022 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW010459.D
Acq: 20 May 2019 20:59

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.0	52.2	78.4





#31

Cyclohexane

Concen: 18.686 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW010459.D

Acq: 20 May 2019 20:59

Instrument :

MSVOA_W

ClientSampleId :

VW0520SBS01

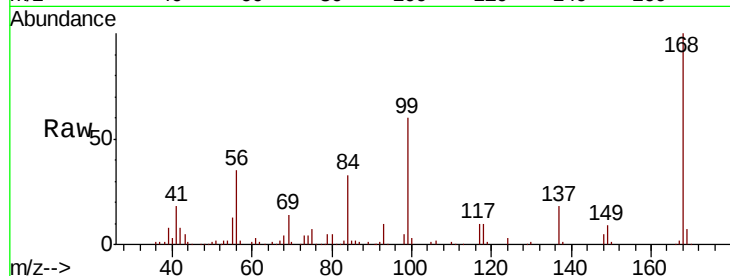
Tot Ion: 56 Resp: 46260

Ion Ratio Lower Upper

56 100

69 40.4 28.2 42.2

84 92.7 75.8 113.8

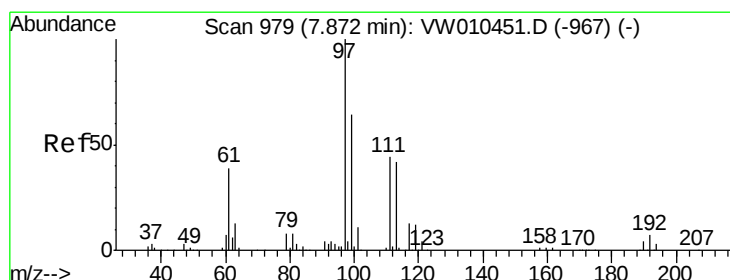
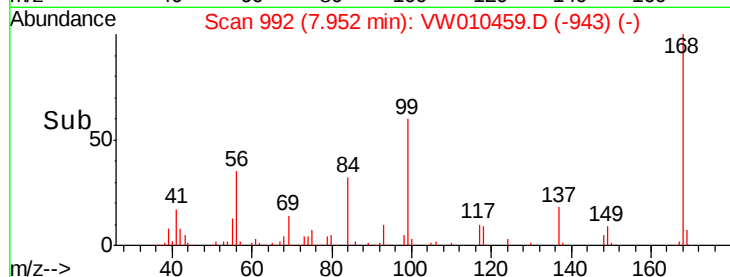
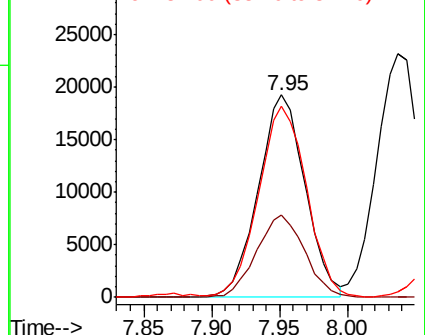


Abundance

Ion 56.00 (55.70 to 56.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 84.00 (83.70 to 84.70): VW



#32

1,1,1-Trichloroethane

Concen: 19.981 ug/l

RT: 7.87 min Scan# 979

Delta R.T. -0.00 min

Lab File: VW010459.D

Acq: 20 May 2019 20:59

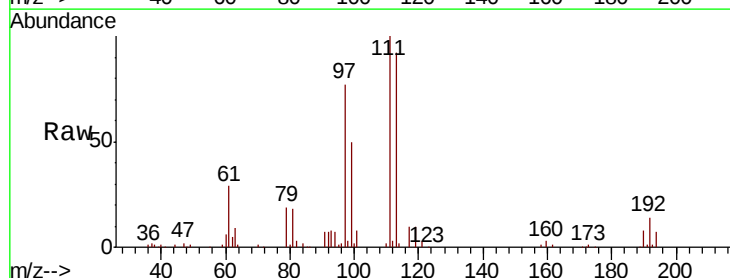
Tgt Ion: 97 Resp: 48682

Ion Ratio Lower Upper

97 100

99 65.3 50.8 76.2

61 39.6 32.1 48.1

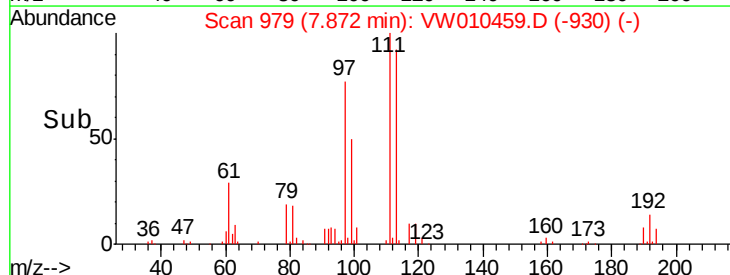
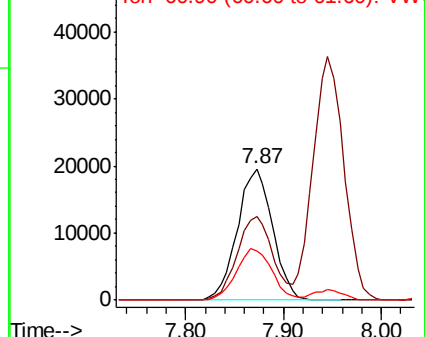


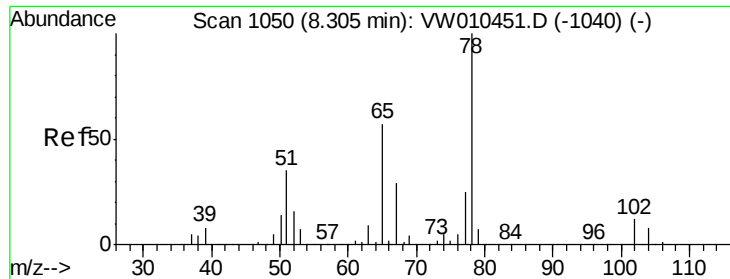
Abundance

Ion 96.90 (96.60 to 97.60): VW

Ion 98.90 (98.60 to 99.60): VW

Ion 60.90 (60.60 to 61.60): VW

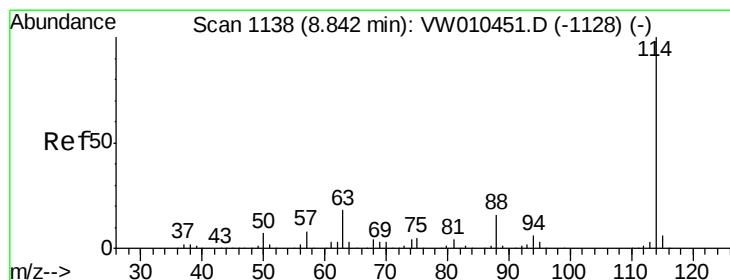
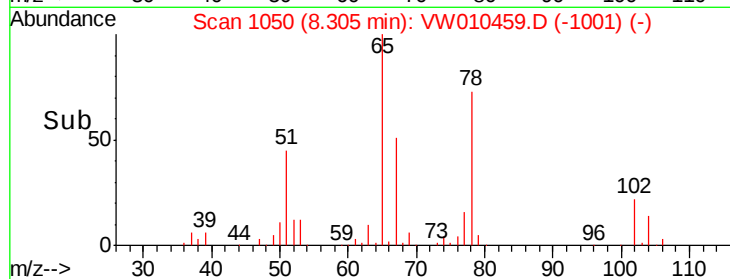
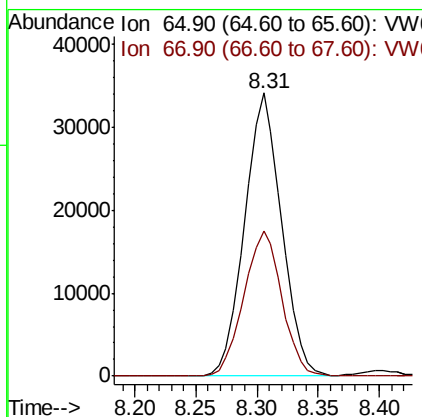
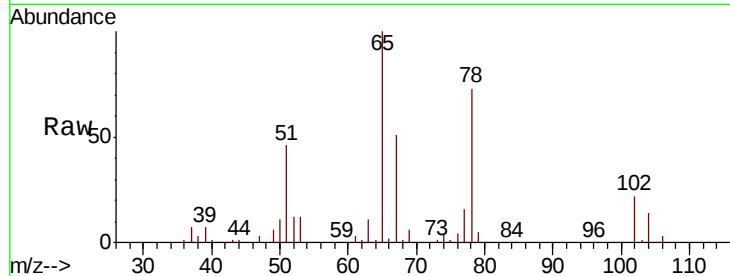




#33
 1,2-Dichloroethane-d4
 Concen: 54.965 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW010459.D
 Acq: 20 May 2019 20:59

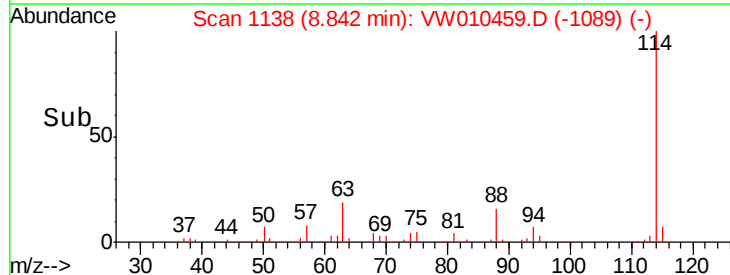
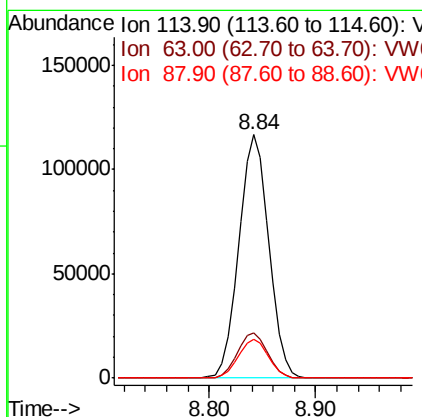
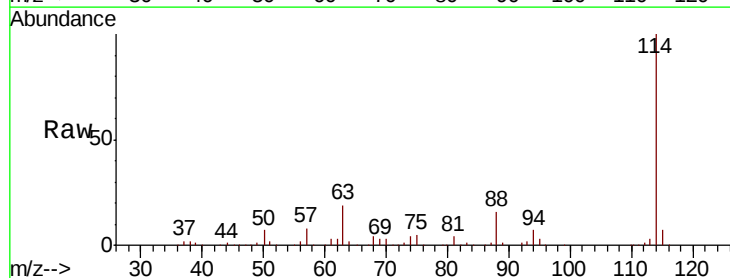
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0520SBSD01

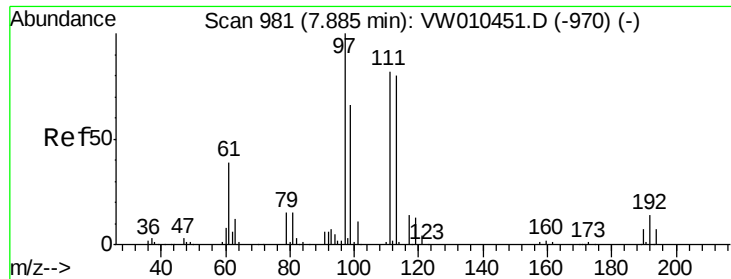
Tot Ion: 65 Resp: 71668
 Ion Ratio Lower Upper
 65 100
 67 52.7 0.0 103.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW010459.D
 Acq: 20 May 2019 20:59

Tgt Ion: 114 Resp: 230488
 Ion Ratio Lower Upper
 114 100
 63 18.7 0.0 36.0
 88 16.1 0.0 32.0





#35

Dibromofluoromethane

Concen: 50.905 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW010459.D

Acq: 20 May 2019 20:59

Instrument :

MSVOA_W

ClientSampleId :

VW0520SBSD01

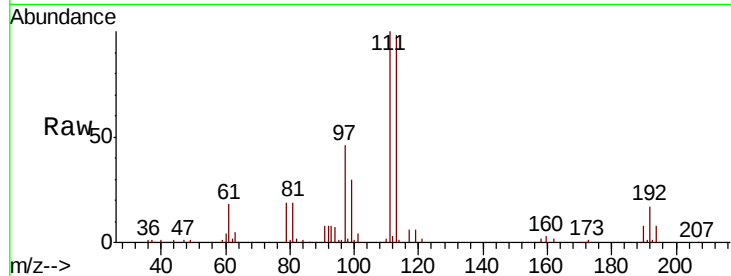
Tot Ion:113 Resp: 71194

Ion Ratio Lower Upper

113 100

111 103.4 82.2 123.4

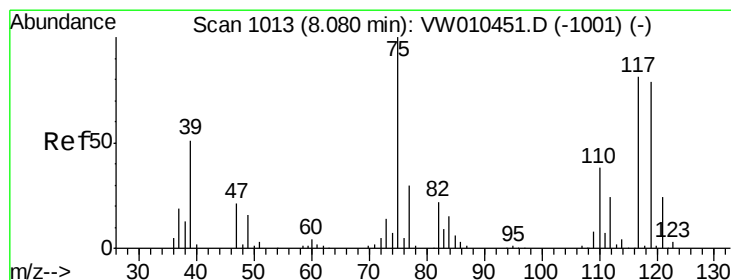
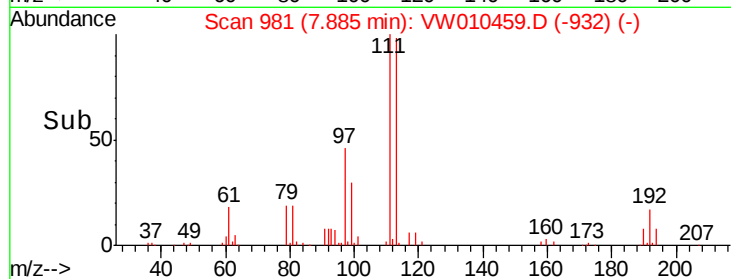
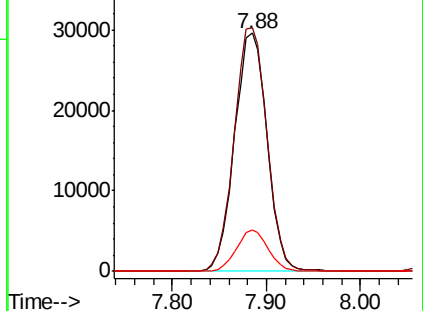
192 16.9 14.3 21.5



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: 18.828 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. -0.00 min

Lab File: VW010459.D

Acq: 20 May 2019 20:59

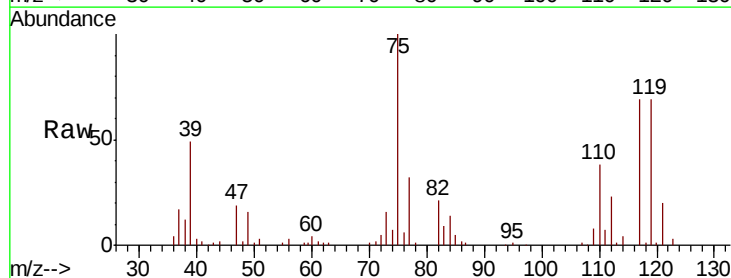
Tgt Ion: 75 Resp: 40426

Ion Ratio Lower Upper

75 100

110 38.4 19.2 57.6

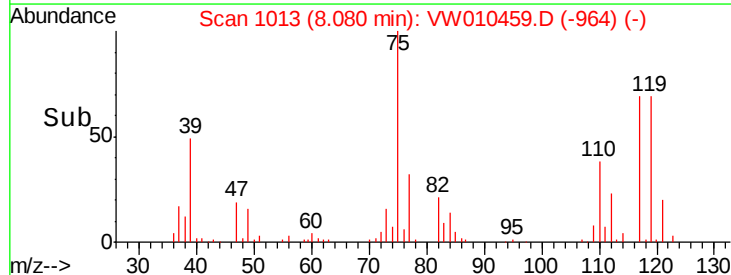
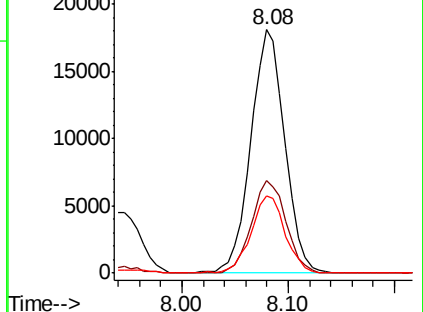
77 31.9 25.2 37.8

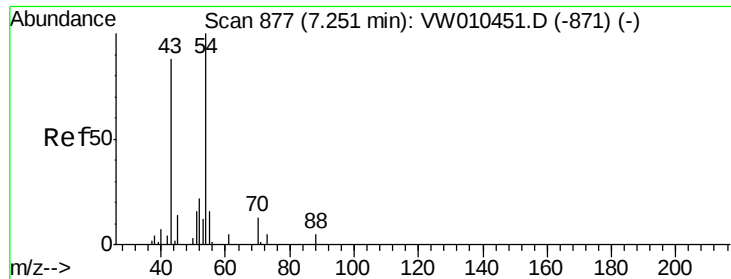


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

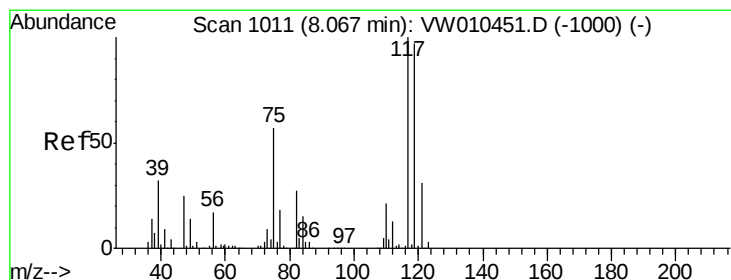
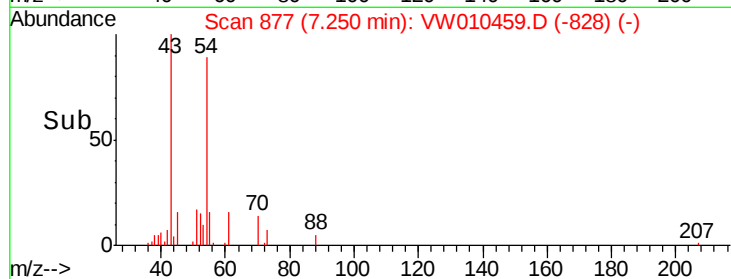
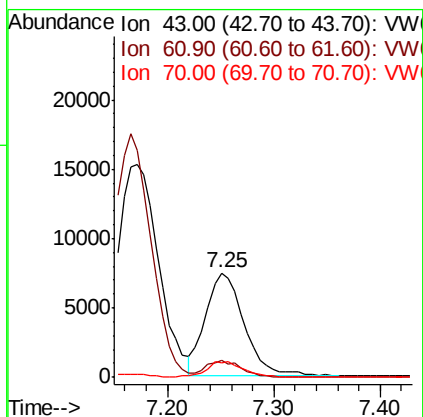
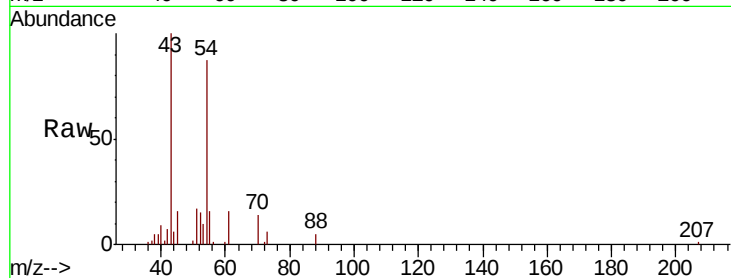




#37
Ethyl Acetate
Concen: 20.254 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW010459.D
Acq: 20 May 2019 20:59

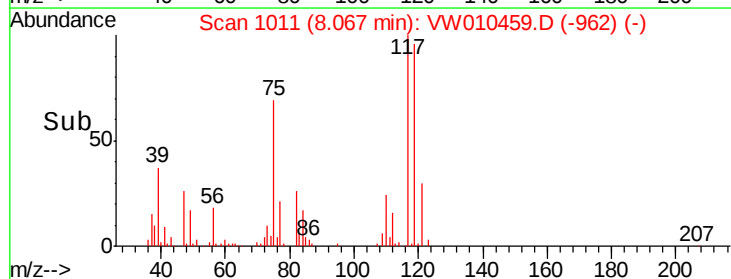
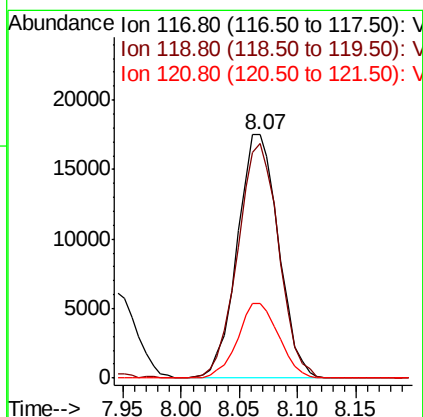
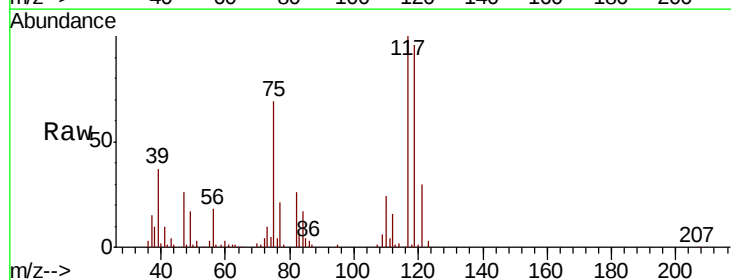
Instrument :
MSVOA_W
ClientSampleId :
VW0520SBS01

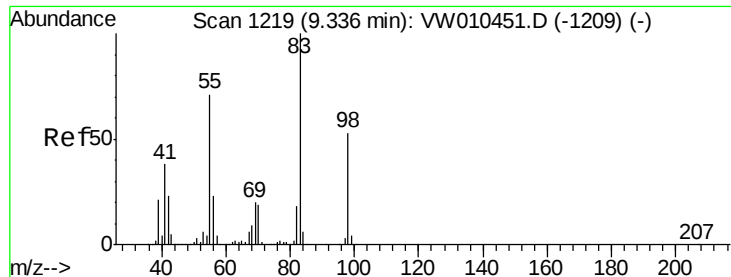
Tot Ion: 43 Resp: 18493
Ion Ratio Lower Upper
43 100
61 15.2 11.2 16.8
70 14.5 9.9 14.9



#38
Carbon Tetrachloride
Concen: 18.685 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW010459.D
Acq: 20 May 2019 20:59

Tgt Ion: 117 Resp: 43278
Ion Ratio Lower Upper
117 100
119 96.2 77.4 116.0
121 30.5 25.0 37.6

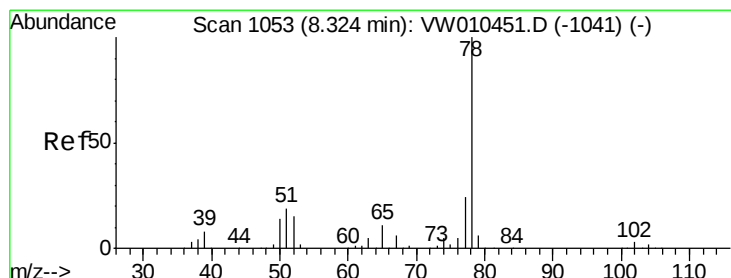
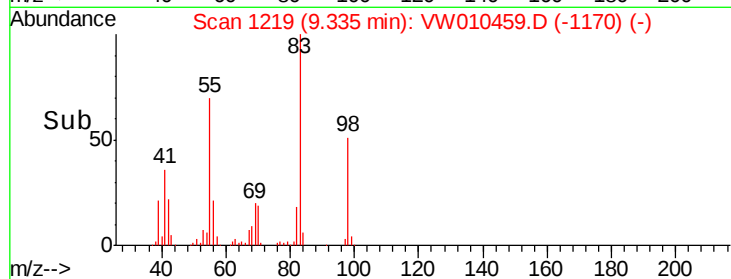
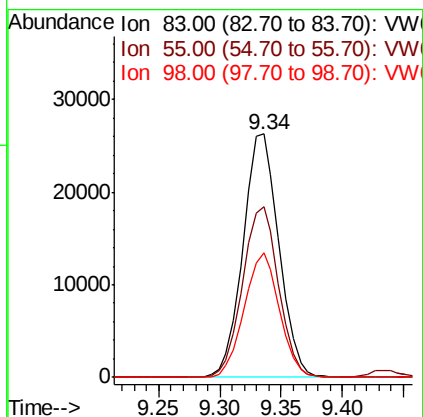
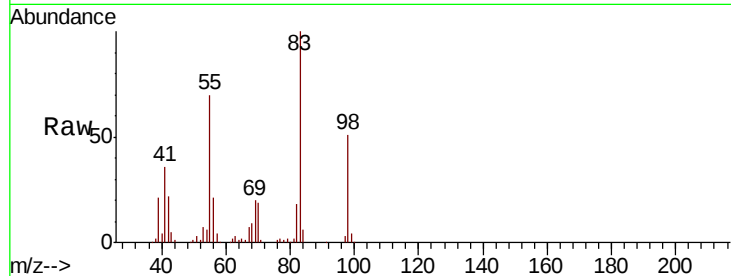




#39
Methvlcvclohexane
Concen: 18.652 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW010459.D
Acq: 20 May 2019 20:59

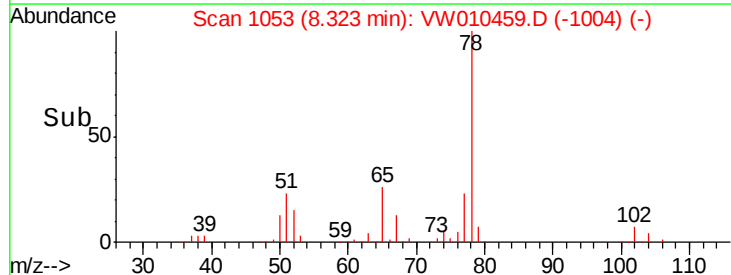
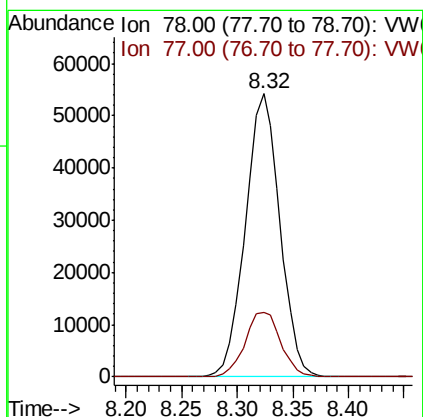
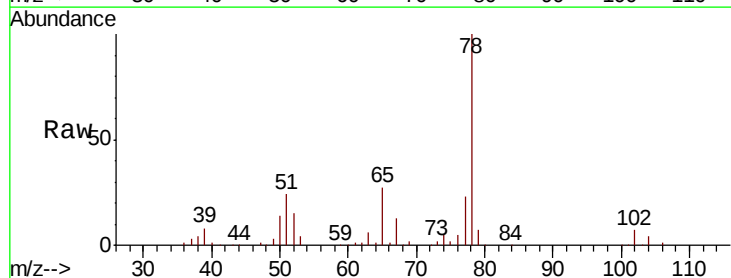
Instrument :
MSVOA_W
ClientSampleId :
VW0520SBSD01

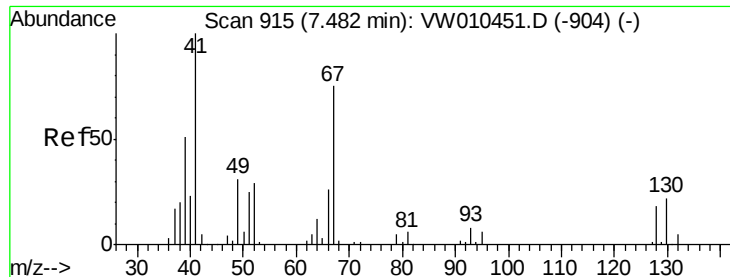
Tot Ion: 83 Resp: 53656
Ion Ratio Lower Upper
83 100
55 70.3 57.0 85.6
98 51.4 42.0 63.0



#40
Benzene
Concen: 19.538 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW010459.D
Acq: 20 May 2019 20:59

Tgt Ion: 78 Resp: 116597
Ion Ratio Lower Upper
78 100
77 22.7 18.9 28.3





#41

Methacrylonitrile

Concen: 19.611 ug/l

RT: 7.48 min Scan# 915

Delta R.T. -0.00 min

Lab File: VW010459.D

Acq: 20 May 2019 20:59

Instrument :

MSVOA_W

ClientSampleId :

VW0520SBSD01

Tot Ion: 41 Resp: 10639

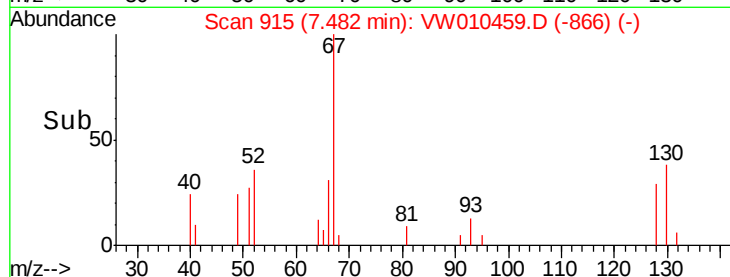
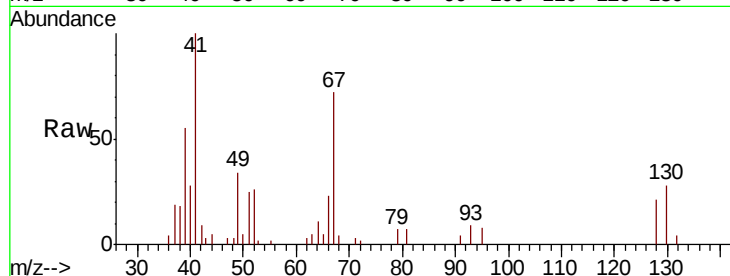
Ion Ratio Lower Upper

41 100

39 62.7 47.4 71.2

67 83.0 65.5 98.3

52 31.5 25.0 37.4

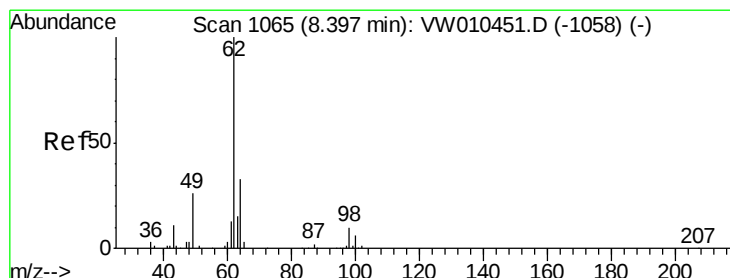
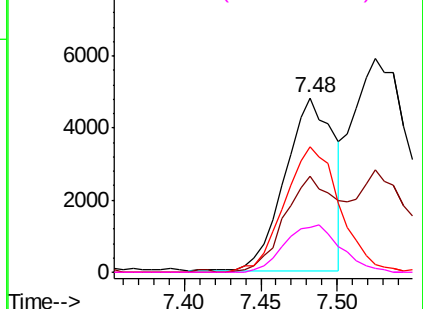


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW



#42

1,2-Dichloroethane

Concen: 20.572 ug/l

RT: 8.40 min Scan# 1065

Delta R.T. -0.00 min

Lab File: VW010459.D

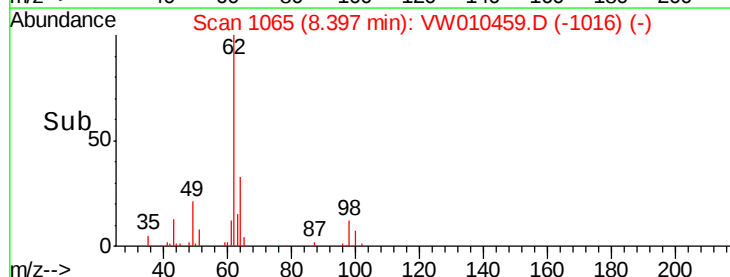
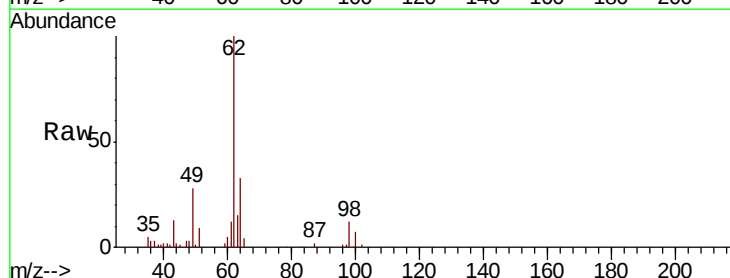
Acq: 20 May 2019 20:59

Tgt Ion: 62 Resp: 35088

Ion Ratio Lower Upper

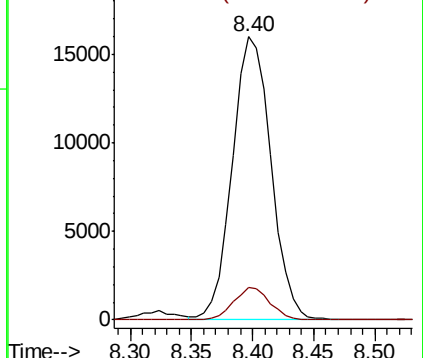
62 100

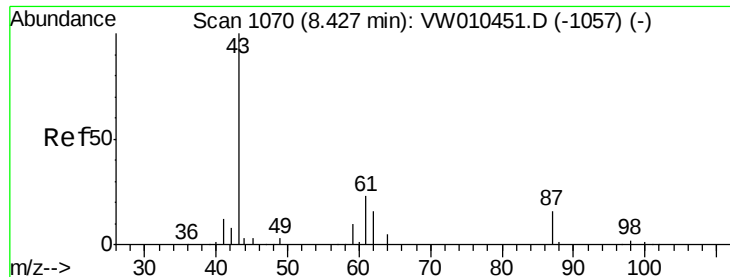
98 10.7 0.0 21.0



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 20.824 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.00 min

Lab File: VW010459.D

Acq: 20 May 2019 20:59

Instrument :

MSVOA_W

ClientSampleId :

VW0520SBS01

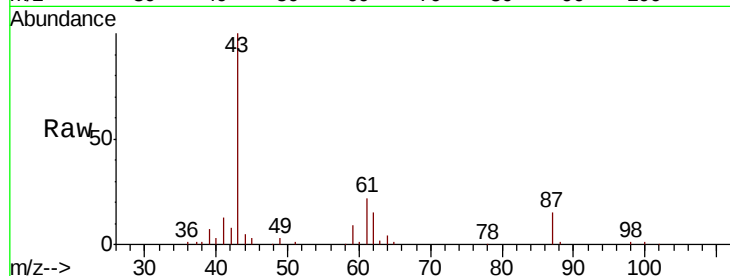
Tot Ion: 43 Resp: 37984

Ion Ratio Lower Upper

43 100

61 30.8 25.4 38.2

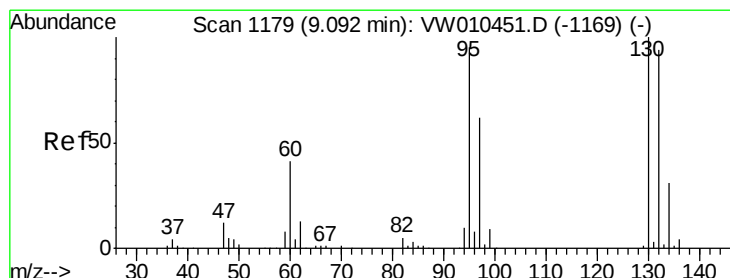
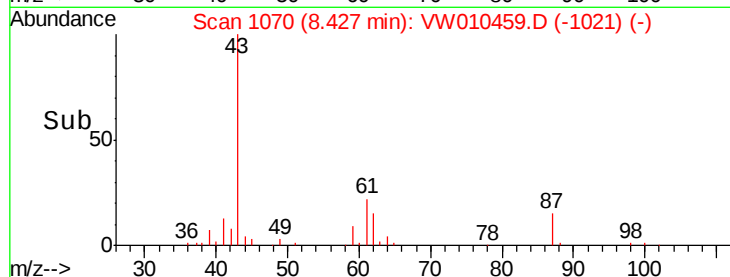
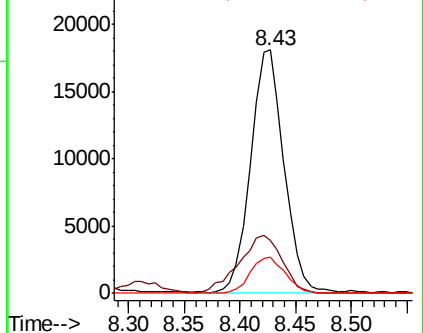
87 15.3 12.7 19.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 87.00 (86.70 to 87.70): VW



#44

Trichloroethene

Concen: 18.965 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW010459.D

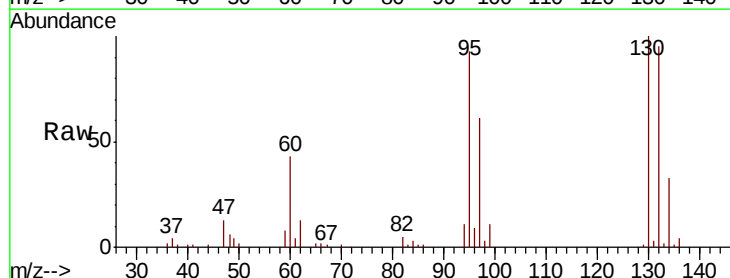
Acq: 20 May 2019 20:59

Tgt Ion: 130 Resp: 33600

Ion Ratio Lower Upper

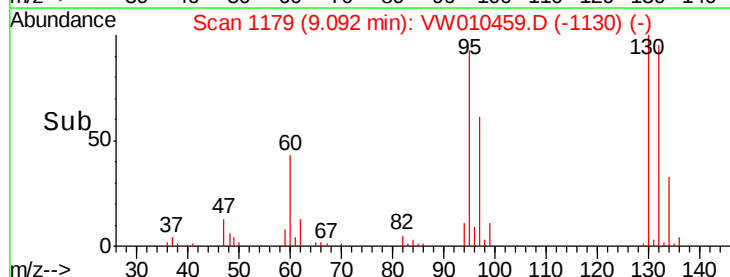
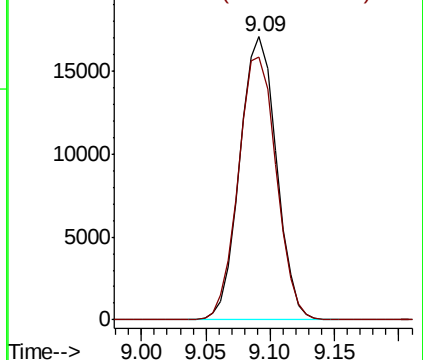
130 100

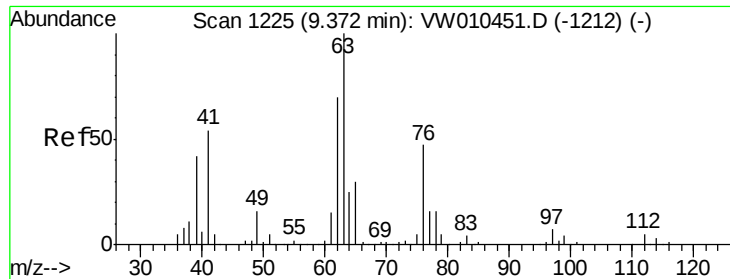
95 92.7 0.0 189.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW





#45

1,2-Dichloropropane

Concen: 19.856 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.01 min

Lab File: VW010459.D

Acq: 20 May 2019 20:59

Instrument :

MSVOA_W

ClientSampleId :

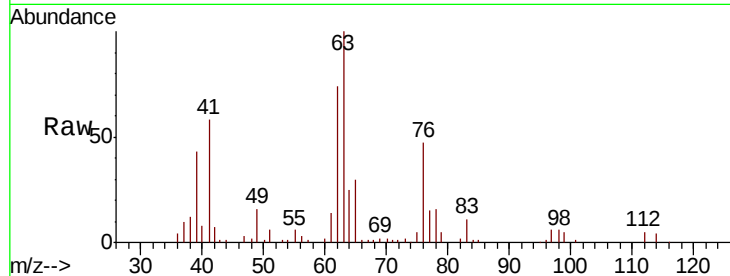
VW0520SBS01

Tot Ion: 63 Resp: 28142

Ion Ratio Lower Upper

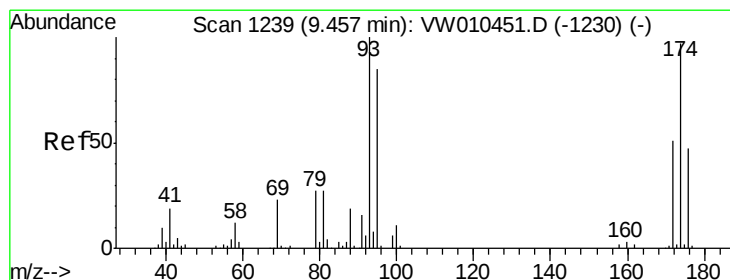
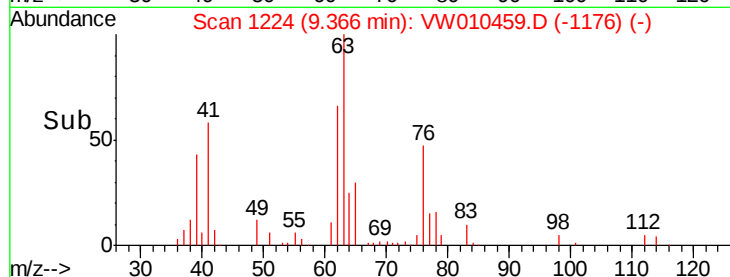
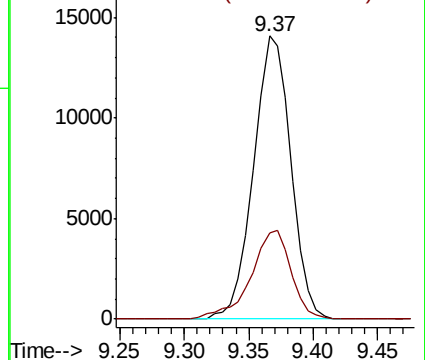
63 100

65 30.4 24.3 36.5



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 64.90 (64.60 to 65.60): VW



#46

Dibromomethane

Concen: 20.751 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW010459.D

Acq: 20 May 2019 20:59

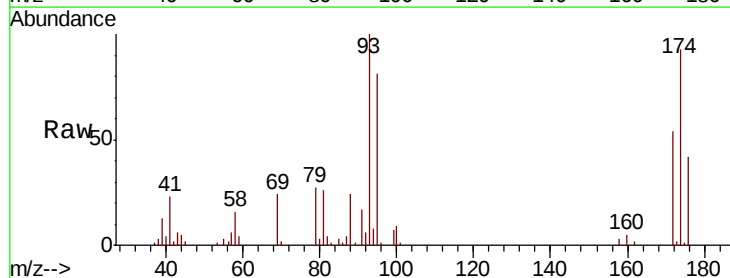
Tgt Ion: 93 Resp: 17200

Ion Ratio Lower Upper

93 100

95 83.9 66.1 99.1

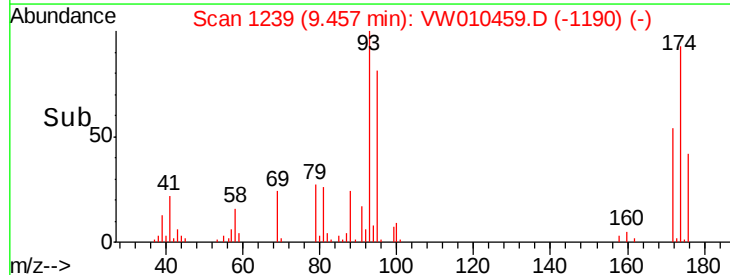
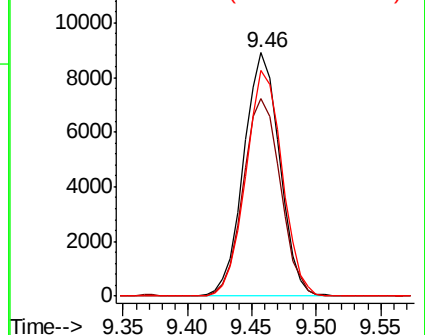
174 93.2 77.1 115.7

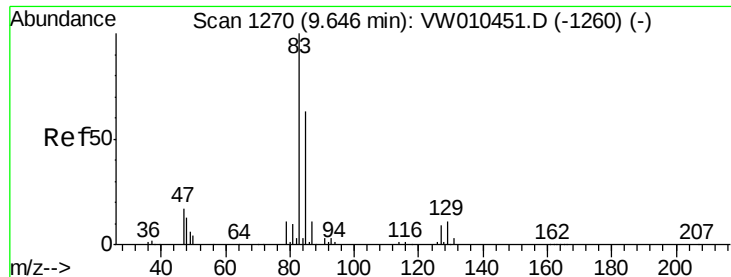


Abundance Ion 92.80 (92.50 to 93.50): VW

Ion 94.80 (94.50 to 95.50): VW

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 19.940 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VW010459.D

Acq: 20 May 2019 20:59

Instrument :

MSVOA_W

ClientSampleId :

VW0520SBSD01

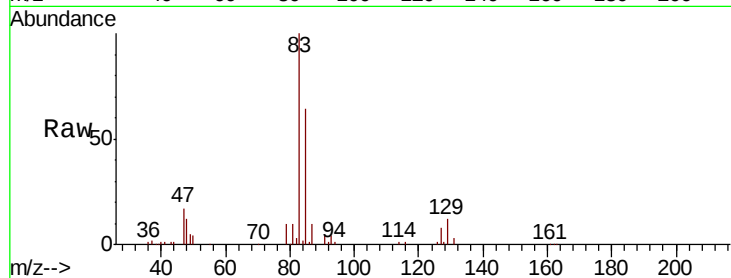
Tot Ion: 83 Resp: 41535

Ion Ratio Lower Upper

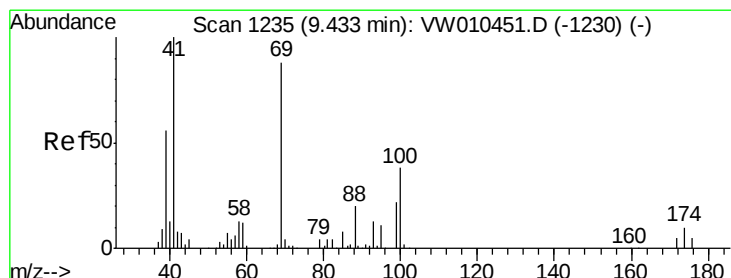
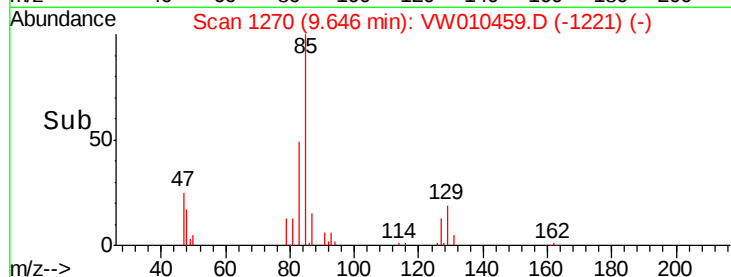
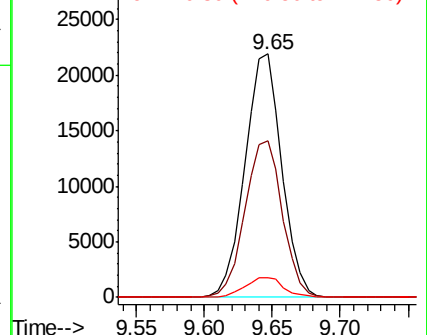
83 100

85 64.2 50.4 75.6

127 8.3 7.4 11.0



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



#48

Methyl methacrylate

Concen: 20.314 ug/l

RT: 9.44 min Scan# 1236

Delta R.T. 0.01 min

Lab File: VW010459.D

Acq: 20 May 2019 20:59

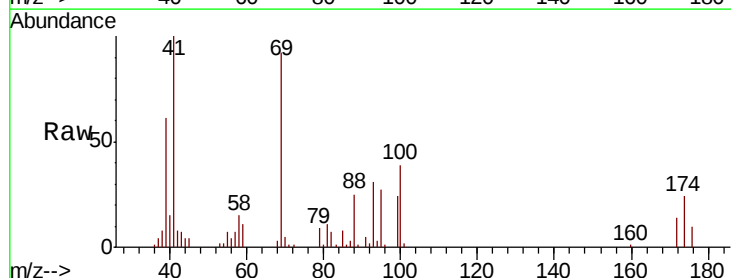
Tgt Ion: 41 Resp: 16952

Ion Ratio Lower Upper

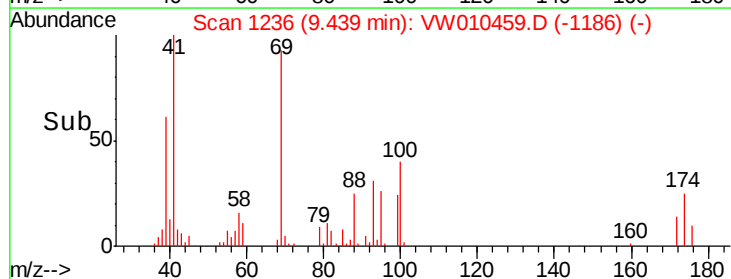
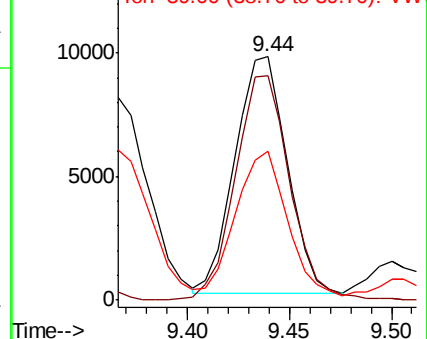
41 100

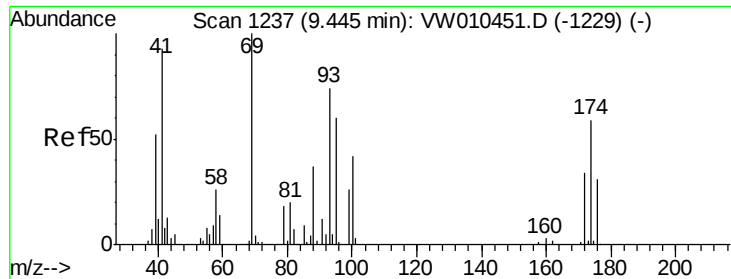
69 99.8 77.6 116.4

39 64.5 49.8 74.8



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





#49

1,4-Dioxane

Concen: 433.592 ug/l

RT: 9.45 min Scan# 1238

Delta R.T. 0.01 min

Lab File: VW010459.D

Acq: 20 May 2019 20:59

Instrument :

MSVOA_W

ClientSampleId :

VW0520SBSD01

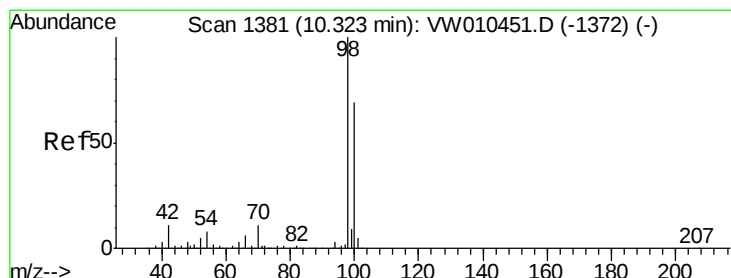
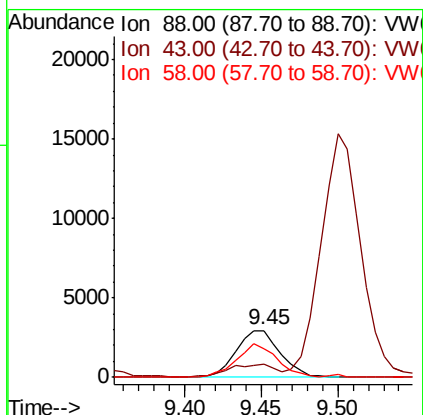
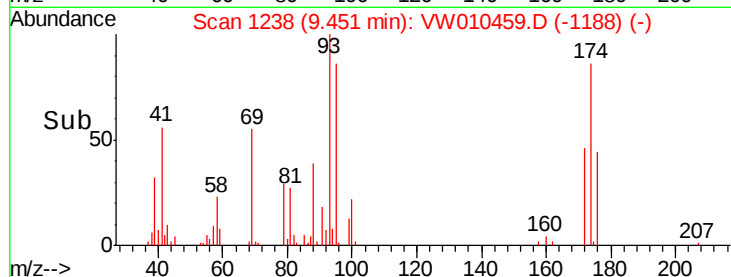
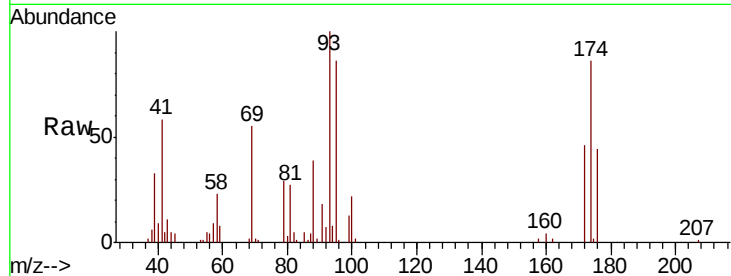
Tot Ion: 88 Resp: 5871

Ion Ratio Lower Upper

88 100

43 26.6 25.9 38.9

58 65.7 52.7 79.1



#50

Toluene-d8

Concen: 50.624 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW010459.D

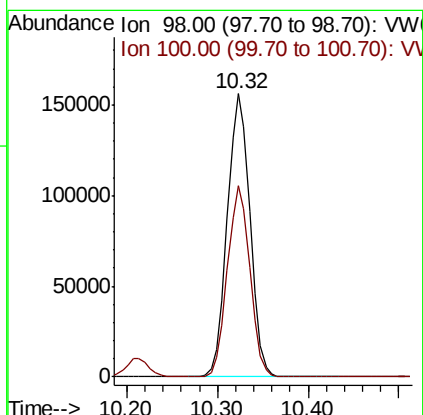
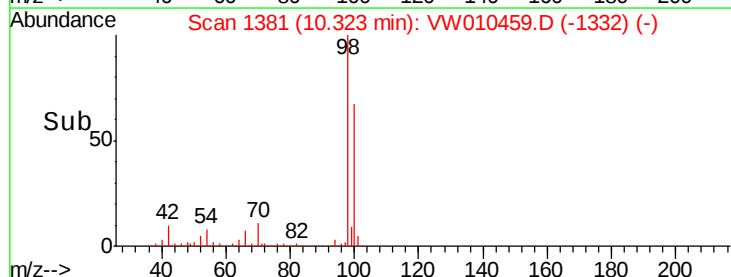
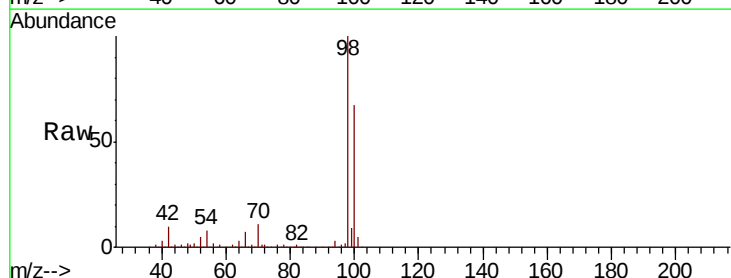
Acq: 20 May 2019 20:59

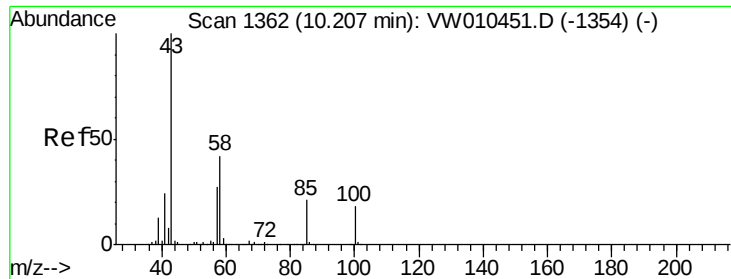
Tgt Ion: 98 Resp: 270474

Ion Ratio Lower Upper

98 100

100 67.1 53.7 80.5





#51

4-Methyl-2-Pentanone

Concen: 105.404 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW010459.D

Acq: 20 May 2019 20:59

Instrument :

MSVOA_W

ClientSampleId :

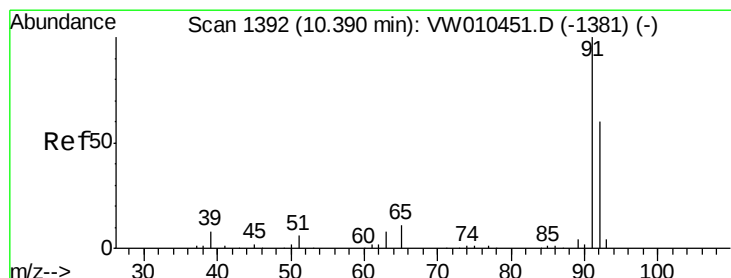
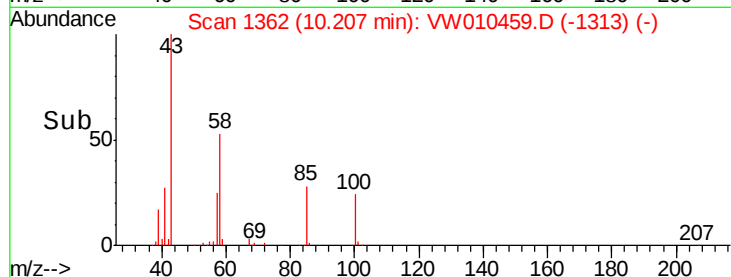
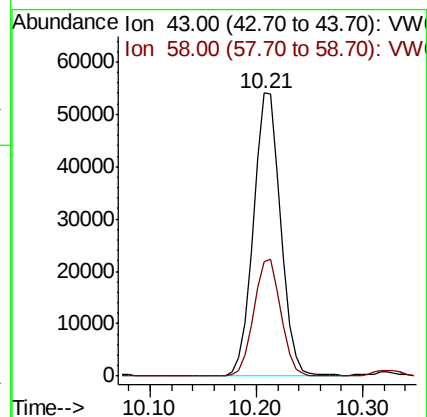
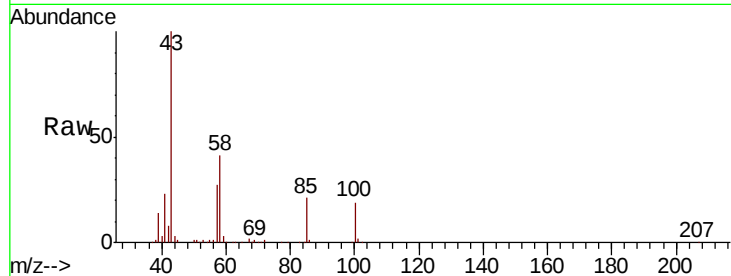
VW0520SBSD01

Tot Ion: 43 Resp: 97425

Ion Ratio Lower Upper

43 100

58 41.1 33.2 49.8



#52

Toluene

Concen: 19.485 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW010459.D

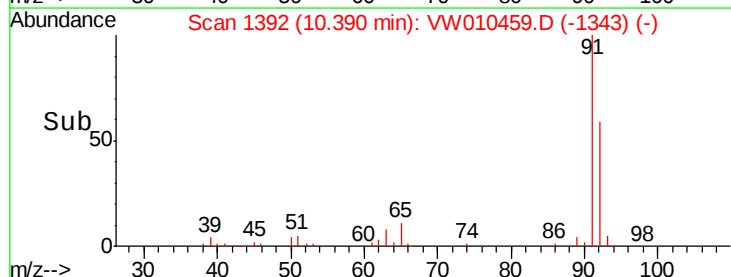
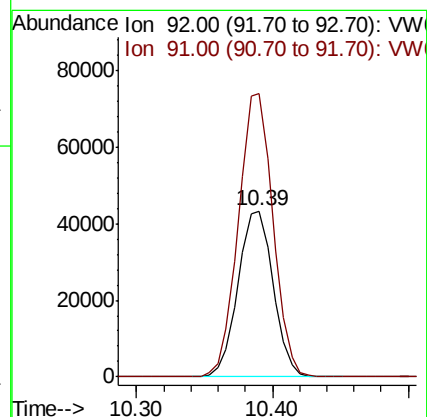
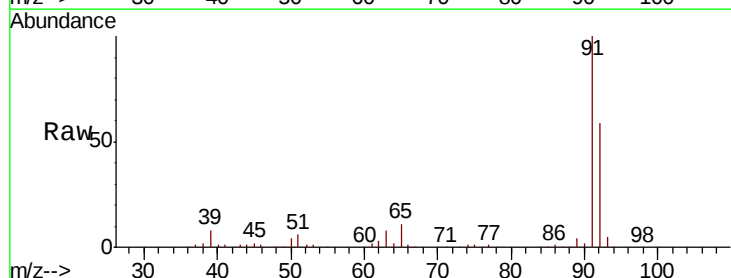
Acq: 20 May 2019 20:59

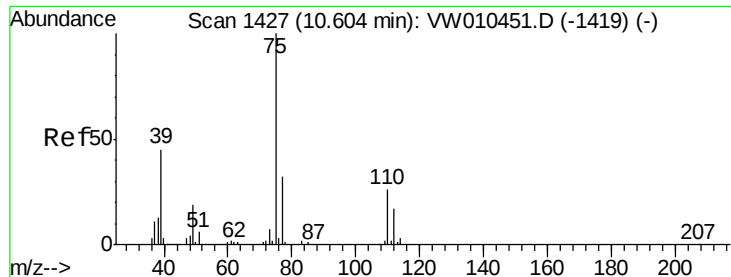
Tgt Ion: 92 Resp: 78092

Ion Ratio Lower Upper

92 100

91 168.5 135.4 203.0





#53

t-1,3-Dichloropropene

Concen: 19.533 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW010459.D

Acq: 20 May 2019 20:59

Instrument :

MSVOA_W

ClientSampleId :

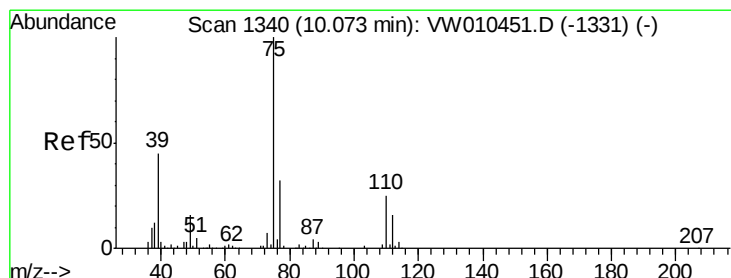
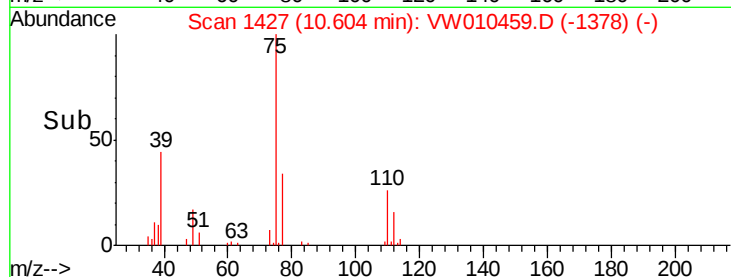
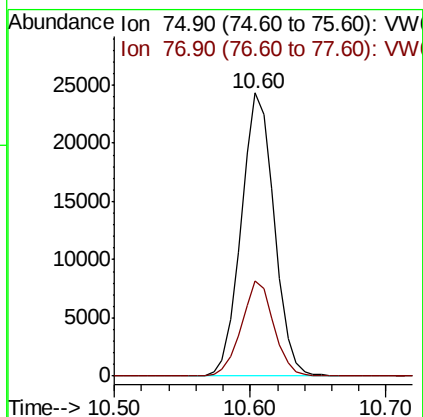
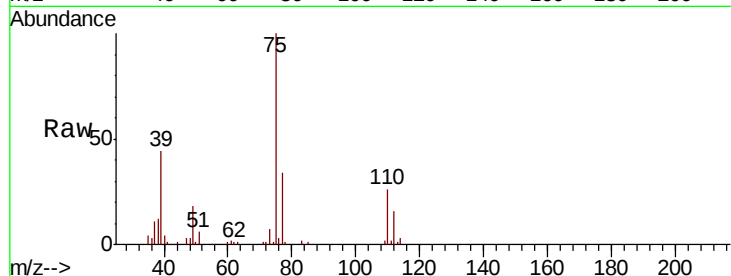
VW0520SBSD01

Tot Ion: 75 Resp: 41206

Ion Ratio Lower Upper

75 100

77 33.6 25.4 38.0



#54

cis-1,3-Dichloropropene

Concen: 19.718 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW010459.D

Acq: 20 May 2019 20:59

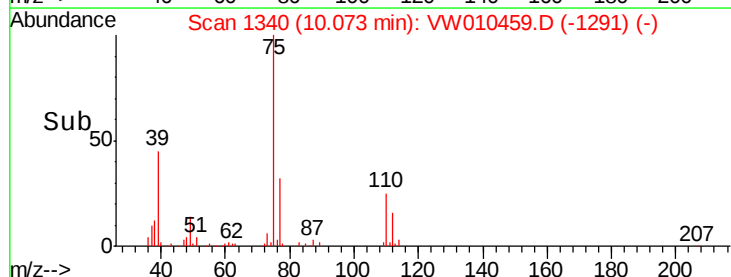
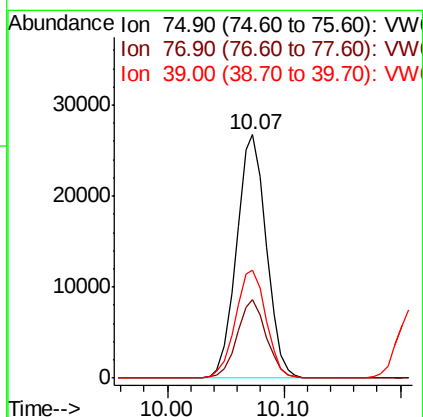
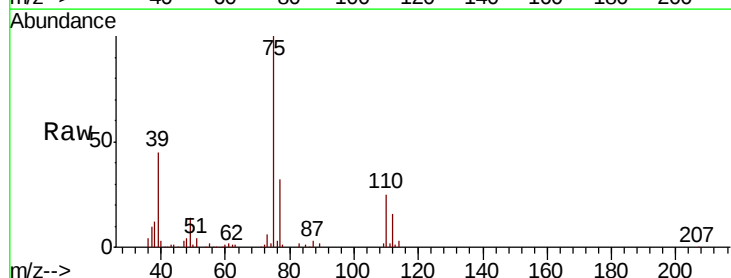
Tgt Ion: 75 Resp: 47507

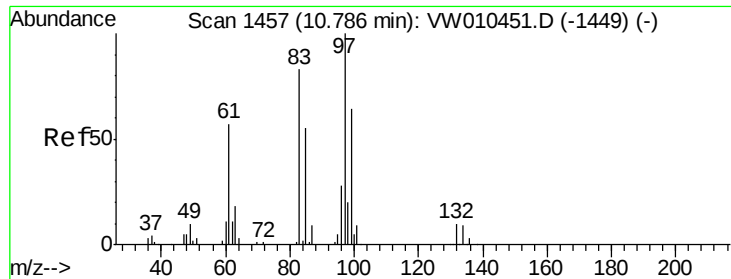
Ion Ratio Lower Upper

75 100

77 32.1 25.7 38.5

39 44.5 36.2 54.4

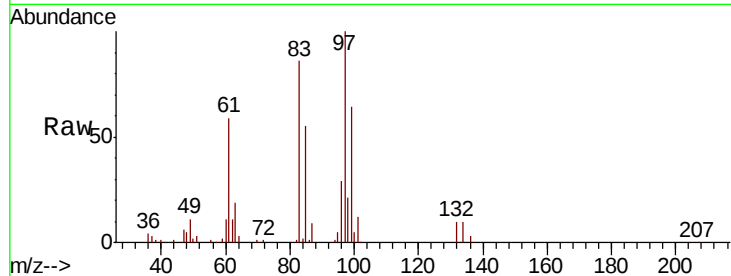




#55
 1,1,2-Trichloroethane
 Concen: 20.702 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW010459.D
 Acq: 20 May 2019 20:59

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0520SBSD01

Tot Ion:	97	Resp:	24676
Ion	Ratio	Lower	Upper
97	100		
83	86.0	66.1	99.1
85	55.2	44.2	66.4
99	63.9	51.1	76.7



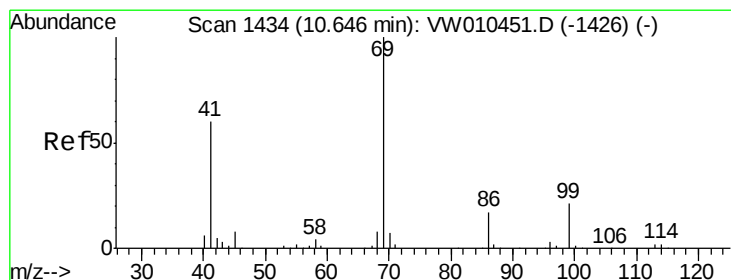
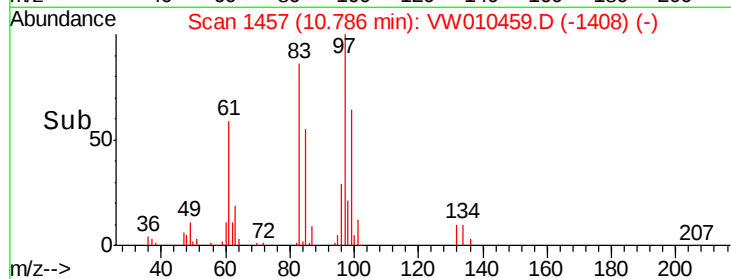
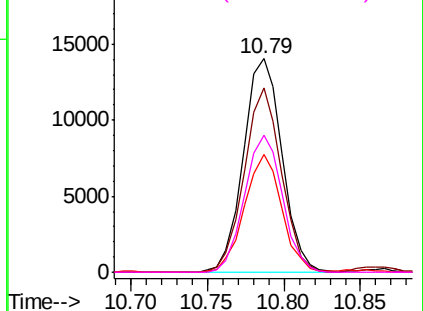
Abundance

Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

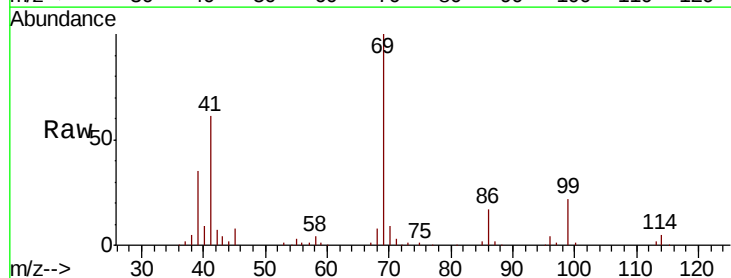
Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56
 Ethyl methacrylate
 Concen: 20.406 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW010459.D
 Acq: 20 May 2019 20:59

Tgt Ion:	69	Resp:	33545
Ion	Ratio	Lower	Upper
69	100		
41	59.6	47.7	71.5
39	31.0	25.3	37.9

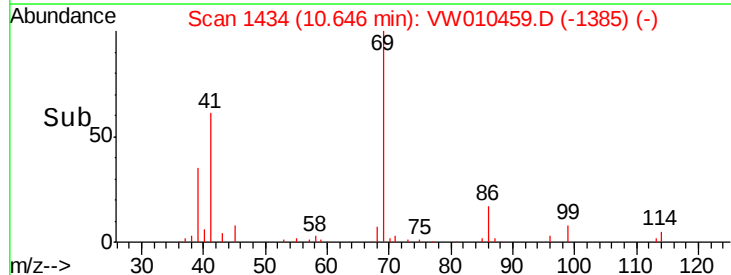
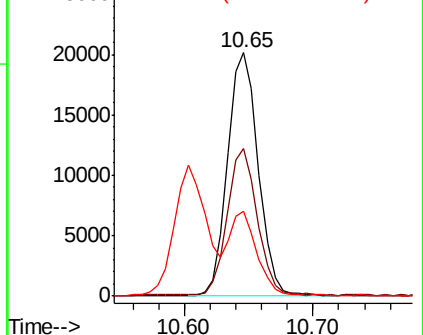


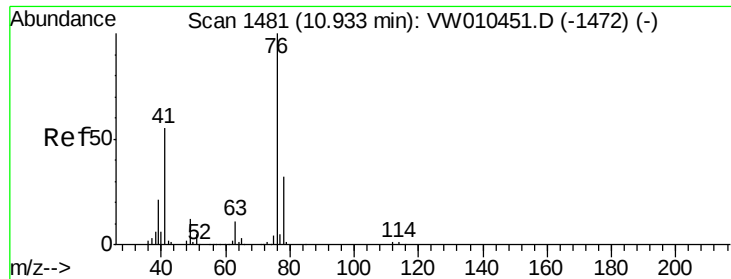
Abundance

Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

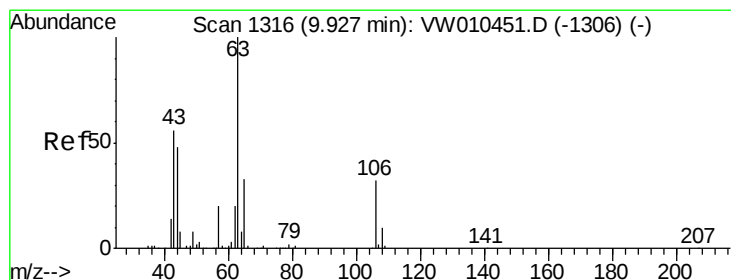
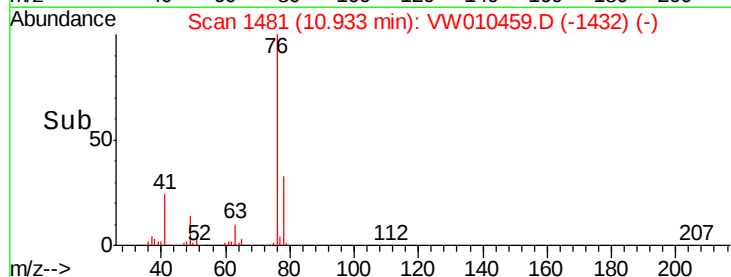
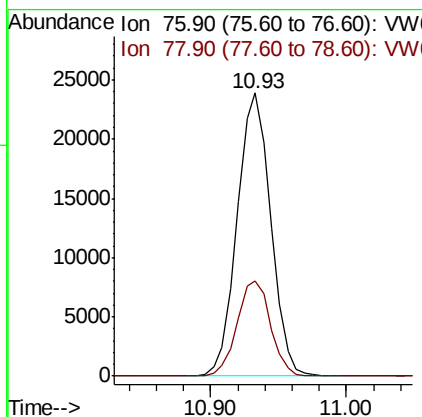
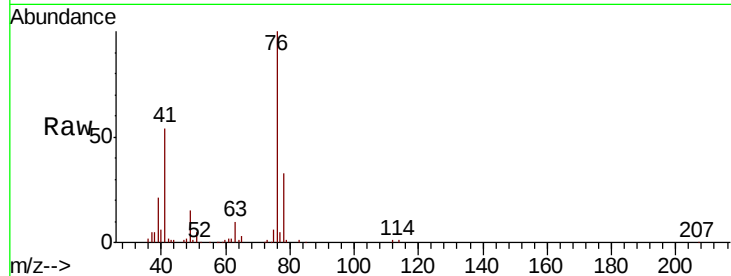




#57
 1,3-Dichloropropane
 Concen: 20.616 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW010459.D
 Acq: 20 May 2019 20:59

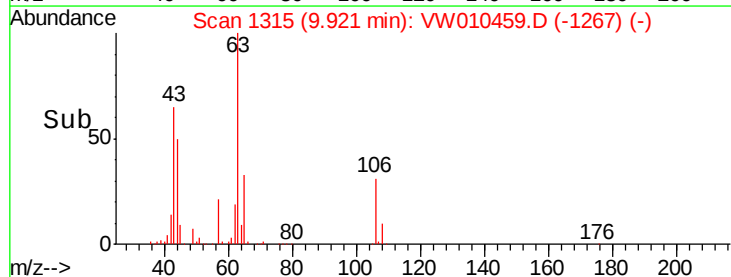
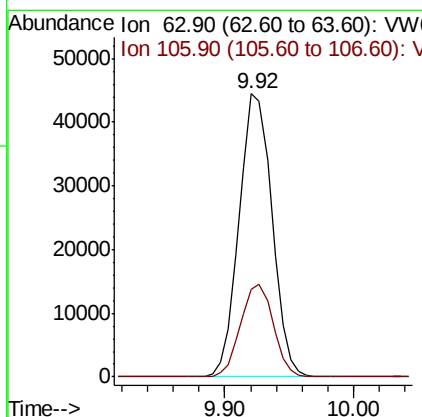
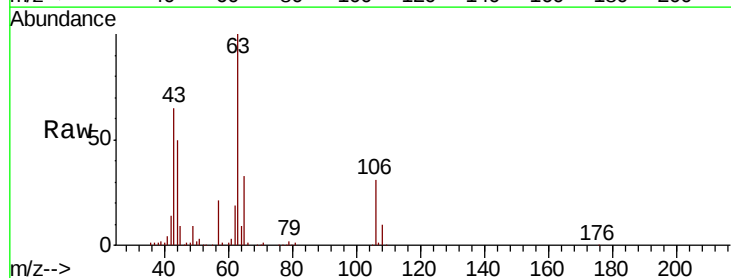
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0520SBSD01

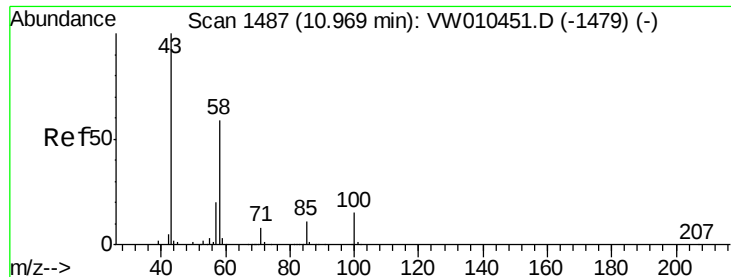
Tot Ion: 76 Resp: 41162
 Ion Ratio Lower Upper
 76 100
 78 33.4 26.2 39.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 108.179 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.01 min
 Lab File: VW010459.D
 Acq: 20 May 2019 20:59

Tgt Ion: 63 Resp: 78768
 Ion Ratio Lower Upper
 63 100
 106 32.4 25.8 38.6

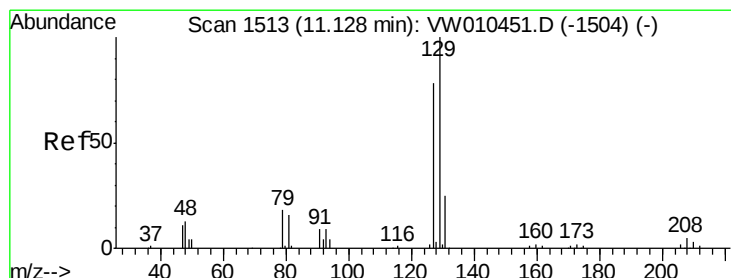
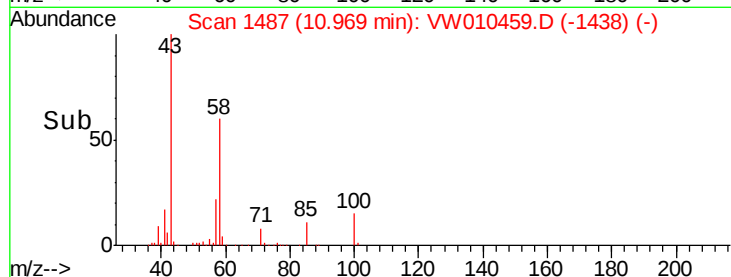
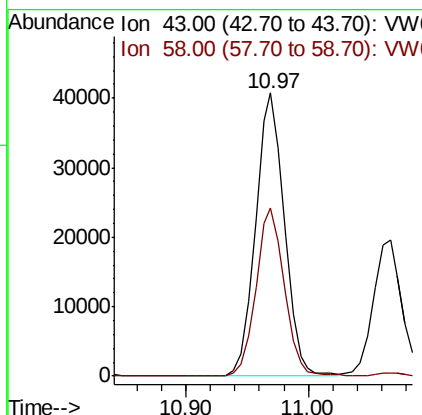
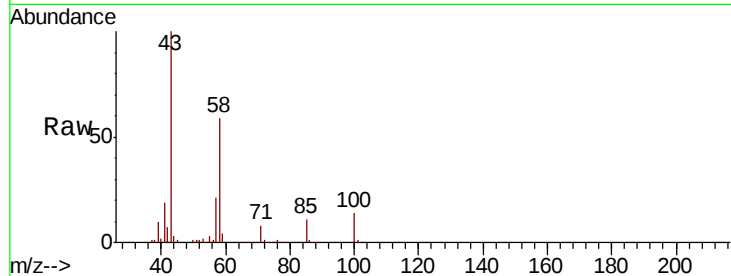




#59
2-Hexanone
Concen: 100.946 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW010459.D
Acq: 20 May 2019 20:59

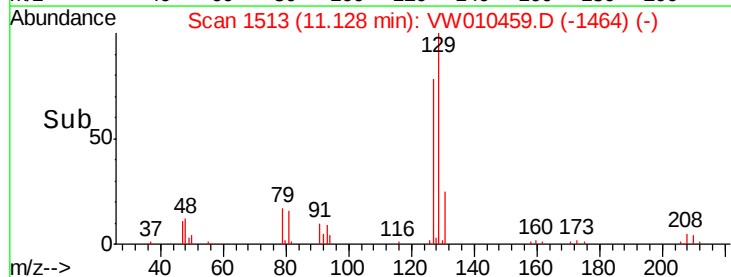
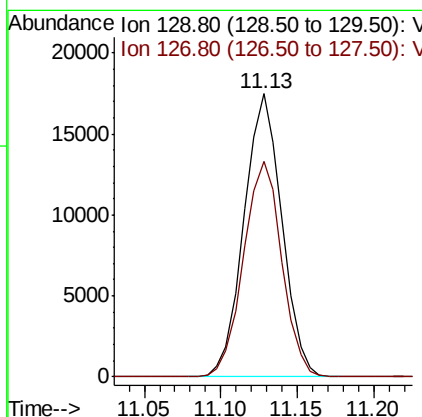
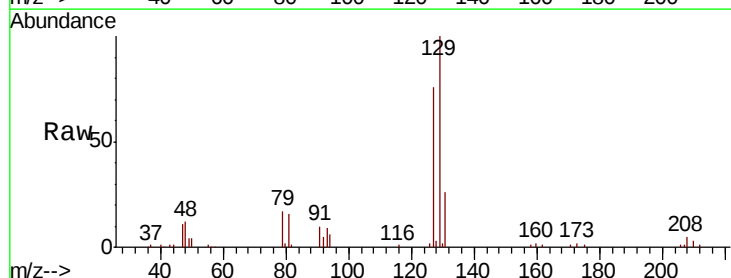
Instrument :
MSVOA_W
ClientSampleId :
VW0520SBSD01

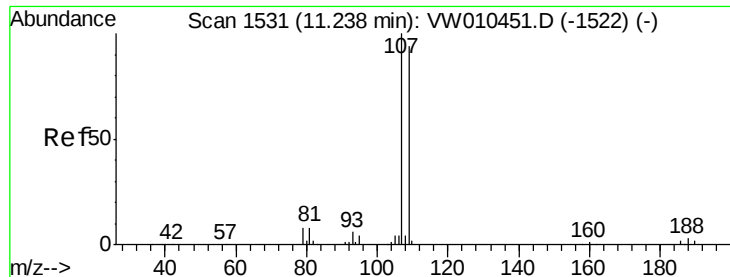
Tot Ion: 43 Resp: 66559
Ion Ratio Lower Upper
43 100
58 58.6 28.9 86.8



#60
Dibromochloromethane
Concen: 19.942 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW010459.D
Acq: 20 May 2019 20:59

Tgt Ion: 129 Resp: 30083
Ion Ratio Lower Upper
129 100
127 76.9 38.9 116.7

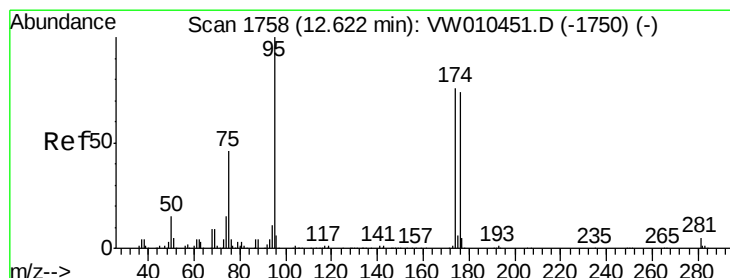
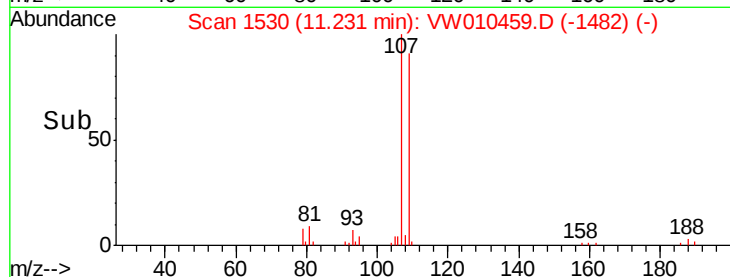
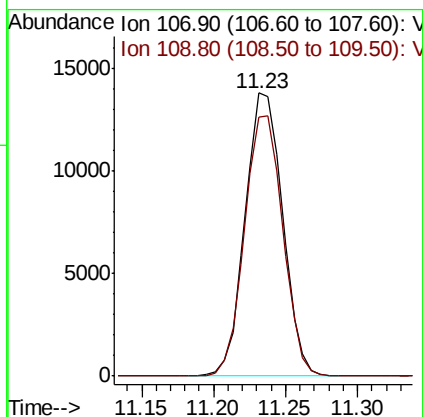
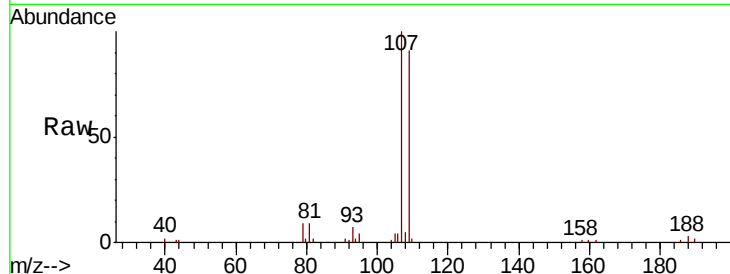




#61
 1,2-Dibromoethane
 Concen: 20.602 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VW010459.D
 Acq: 20 May 2019 20:59

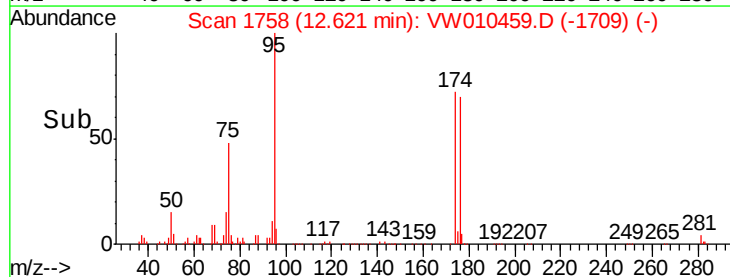
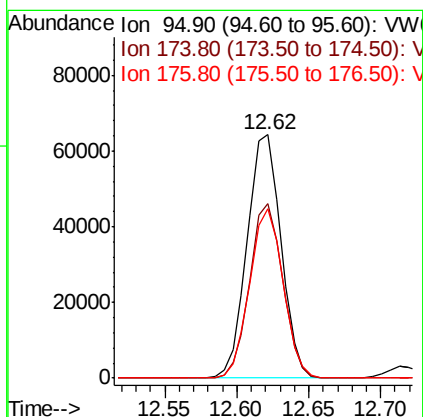
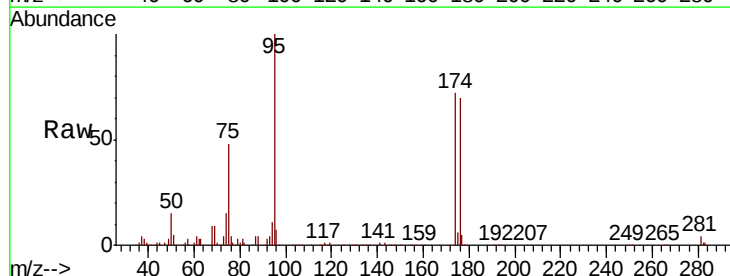
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0520SBSD01

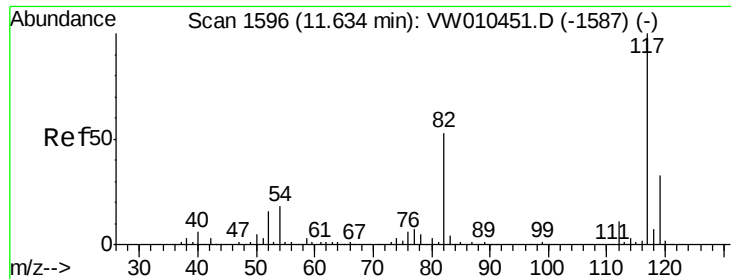
Tot Ion: 107 Resp: 24876
 Ion Ratio Lower Upper
 107 100
 109 93.7 75.0 112.4



#62
 4-Bromofluorobenzene
 Concen: 49.185 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: VW010459.D
 Acq: 20 May 2019 20:59

Tgt Ion: 95 Resp: 104671
 Ion Ratio Lower Upper
 95 100
 174 70.0 0.0 148.6
 176 68.8 0.0 144.2

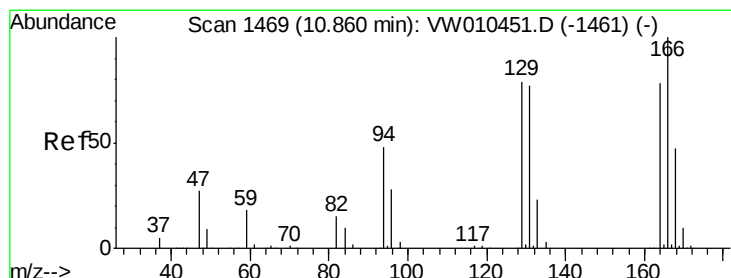
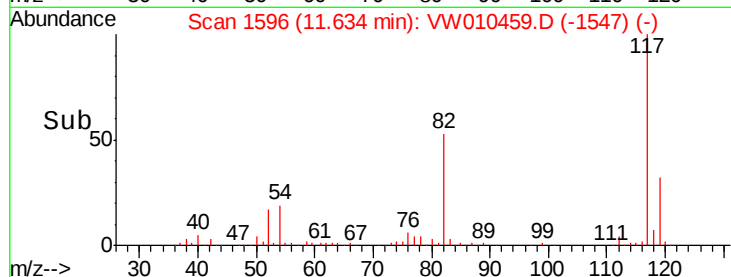
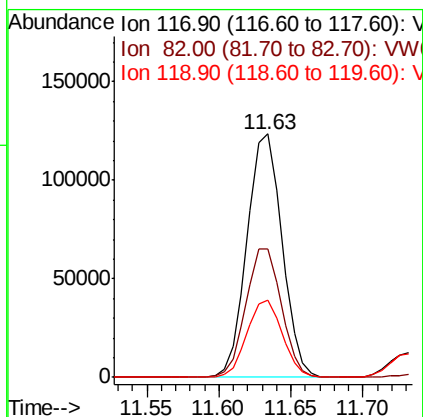
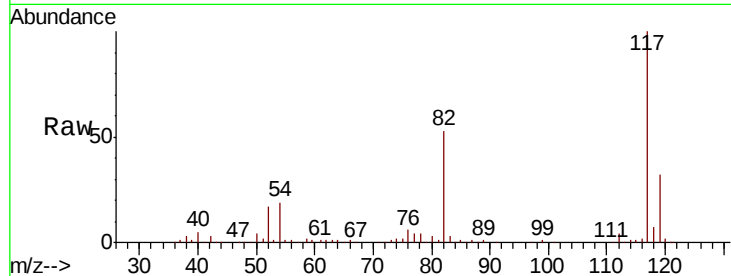




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW010459.D
Acq: 20 May 2019 20:59

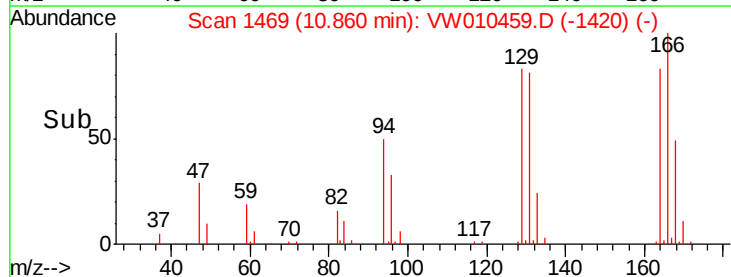
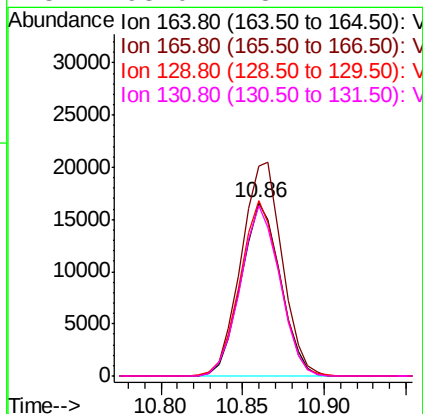
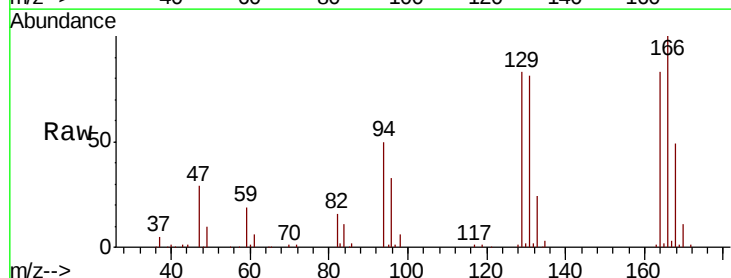
Instrument :
MSVOA_W
ClientSampleId :
VW0520SBSD01

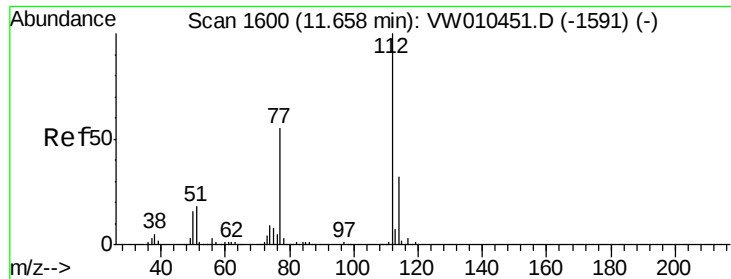
Tot Ion:117 Resp: 207794
Ion Ratio Lower Upper
117 100
82 52.5 42.8 64.2
119 31.9 26.3 39.5



#64
Tetrachloroethene
Concen: 19.327 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW010459.D
Acq: 20 May 2019 20:59

Tgt Ion:164 Resp: 27995
Ion Ratio Lower Upper
164 100
166 121.0 101.9 152.9
129 100.9 80.6 121.0
131 98.0 78.2 117.2

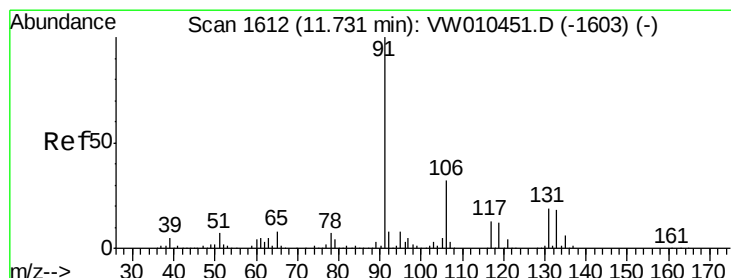
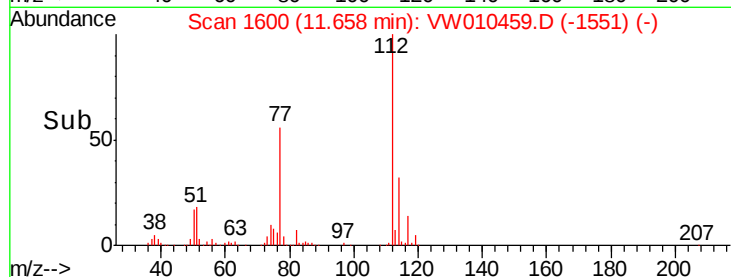
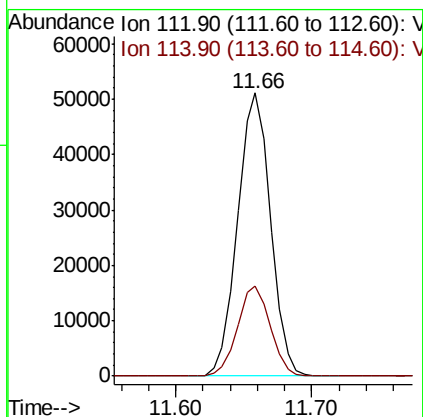
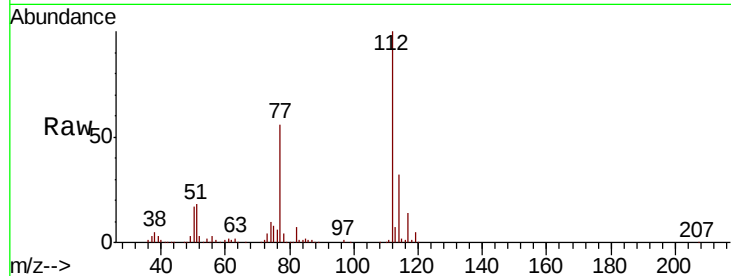




#65
Chlorobenzene
Concen: 19.447 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW010459.D
Acq: 20 May 2019 20:59

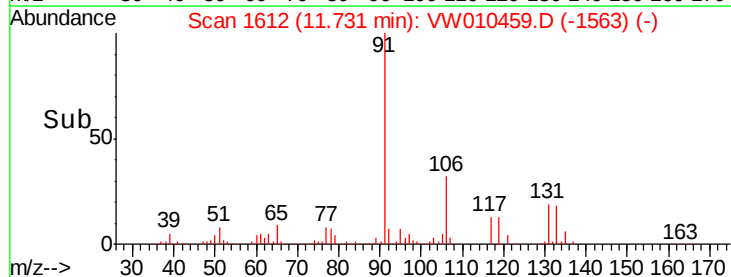
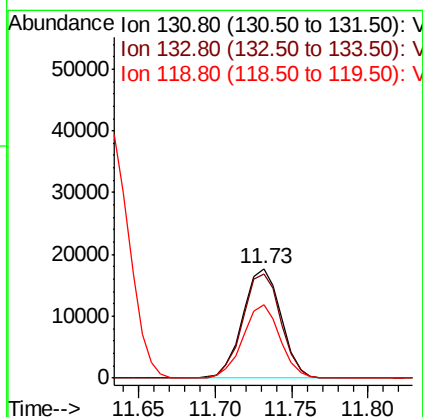
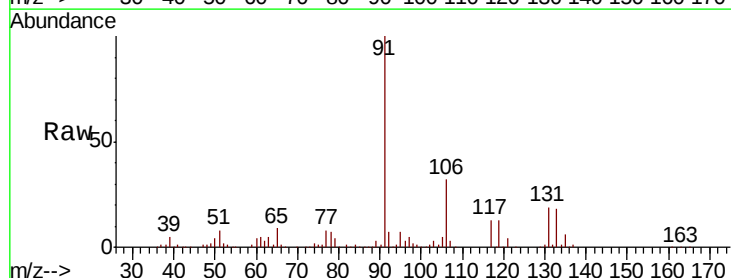
Instrument :
MSVOA_W
ClientSampleId :
VW0520SBSD01

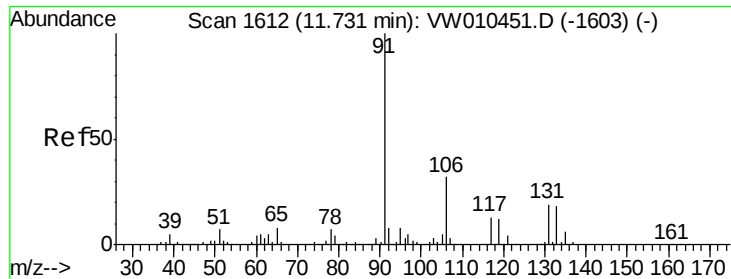
Tot Ion:112 Resp: 86122
Ion Ratio Lower Upper
112 100
114 31.7 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 19.494 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW010459.D
Acq: 20 May 2019 20:59

Tgt Ion:131 Resp: 30925
Ion Ratio Lower Upper
131 100
133 94.6 47.3 141.9
119 64.6 32.1 96.5

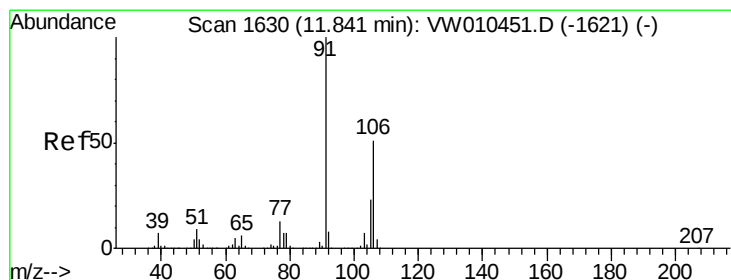
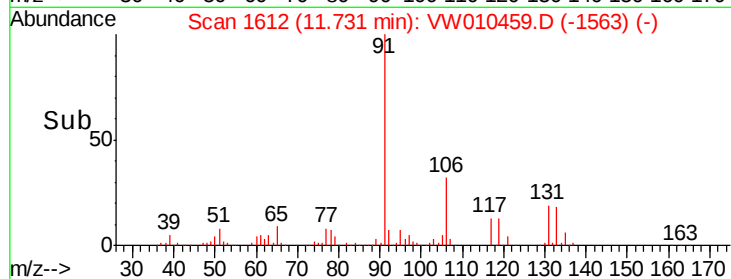
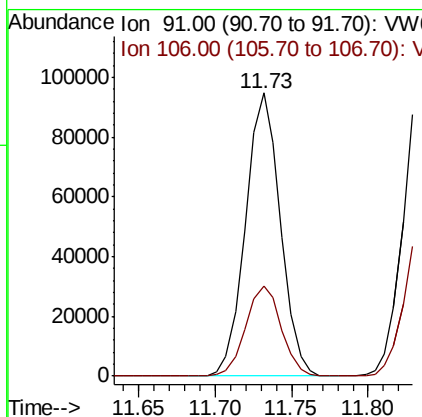
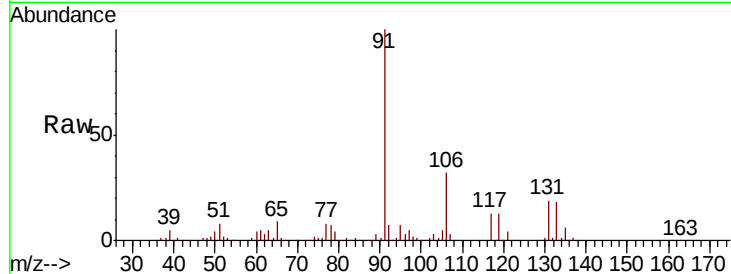




#67
Ethyl Benzene
Concen: 19.105 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW010459.D
Acq: 20 May 2019 20:59

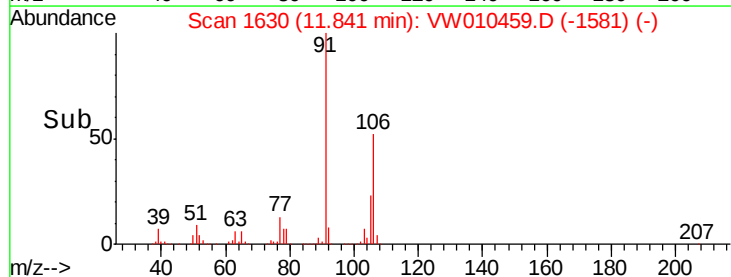
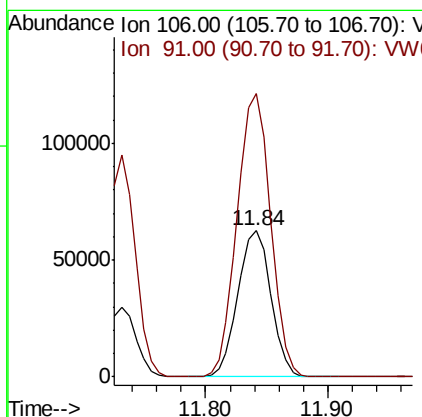
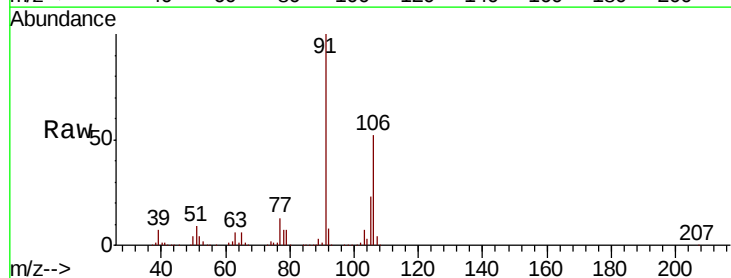
Instrument :
MSVOA_W
ClientSampleID :
VW0520SBSD01

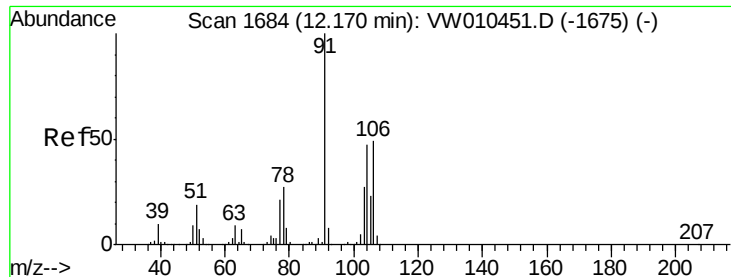
Tot Ion: 91 Resp: 149378
Ion Ratio Lower Upper
91 100
106 31.7 25.9 38.9



#68
m/p-Xylenes
Concen: 38.376 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW010459.D
Acq: 20 May 2019 20:59

Tgt Ion:106 Resp: 117691
Ion Ratio Lower Upper
106 100
91 196.0 156.0 234.0

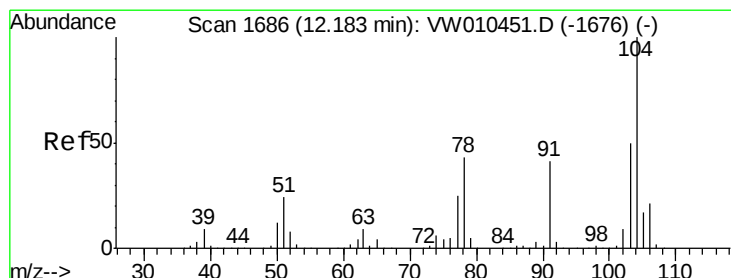
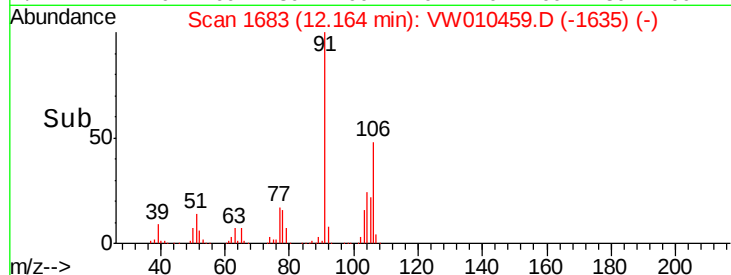
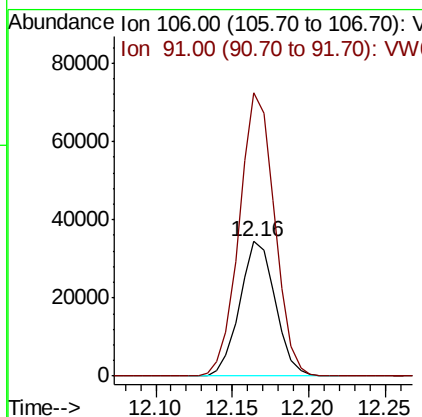
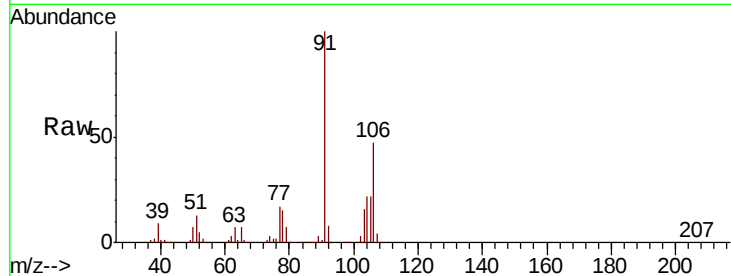




#69
o-Xylene
Concen: 19.150 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW010459.D
Acq: 20 May 2019 20:59

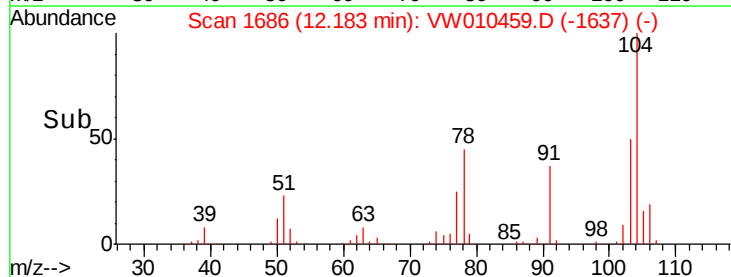
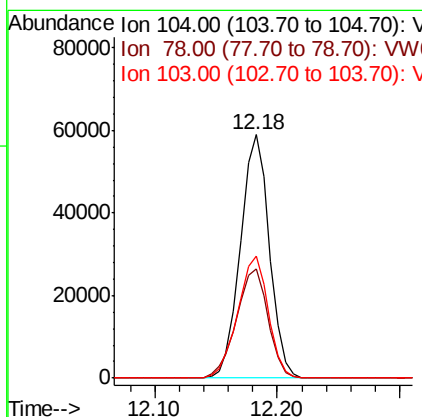
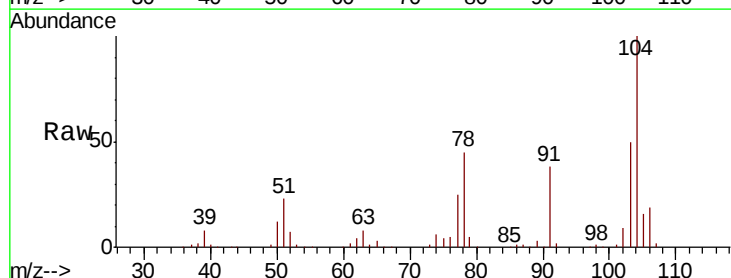
Instrument :
MSVOA_W
ClientSampleId :
VW0520SBSD01

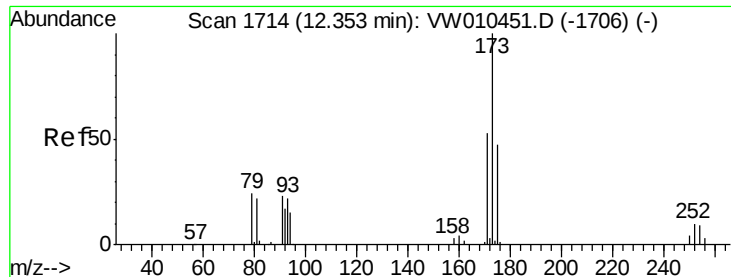
Tot Ion:106 Resp: 55644
Ion Ratio Lower Upper
106 100
91 208.9 103.2 309.4



#70
Styrene
Concen: 19.624 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW010459.D
Acq: 20 May 2019 20:59

Tgt Ion:104 Resp: 96745
Ion Ratio Lower Upper
104 100
78 49.1 39.0 58.4
103 53.0 43.0 64.6





#71

Bromoform

Concen: 19.398 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. -0.00 min

Lab File: VW010459.D

Acq: 20 May 2019 20:59

Instrument :

MSVOA_W

ClientSampleId :

VW0520SBSD01

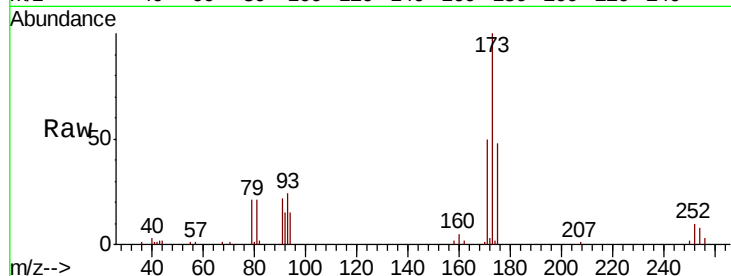
Tot Ion:173 Resp: 16946

Ion Ratio Lower Upper

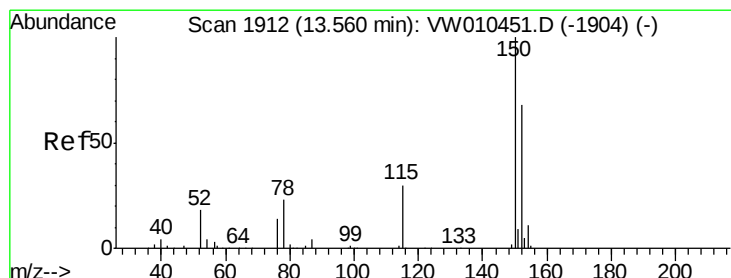
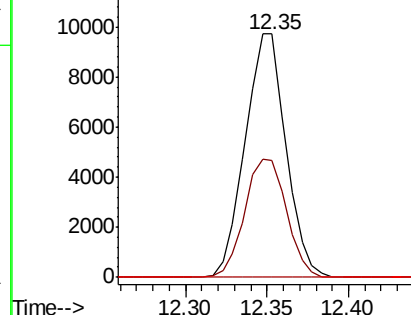
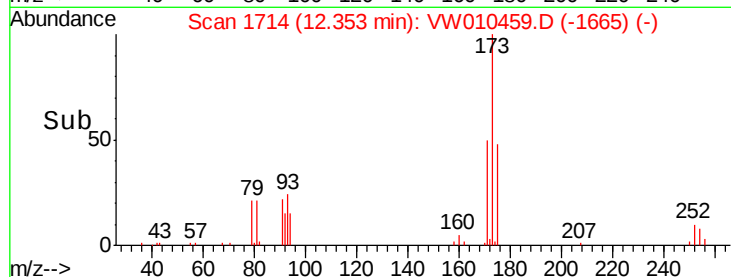
173 100

175 49.6 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: VW010459.D

Acq: 20 May 2019 20:59

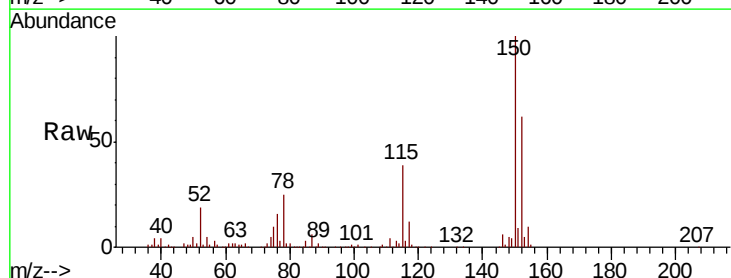
Tgt Ion:152 Resp: 97758

Ion Ratio Lower Upper

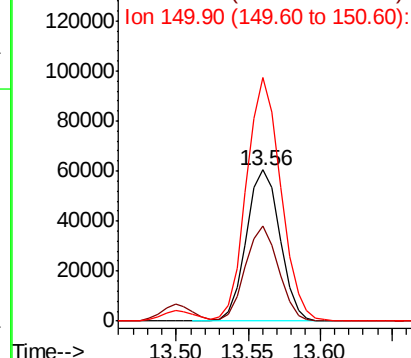
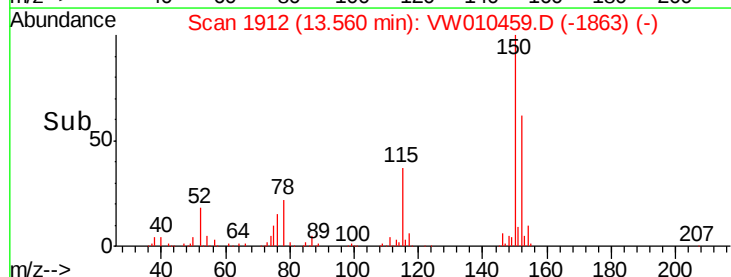
152 100

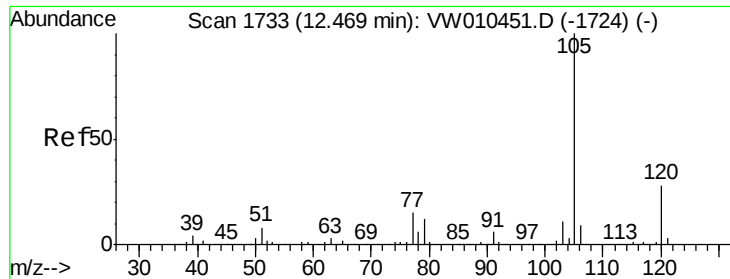
115 62.0 30.3 91.0

150 164.4 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: 19.099 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.01 min

Lab File: VW010459.D

Acq: 20 May 2019 20:59

Instrument :

MSVOA_W

ClientSampleId :

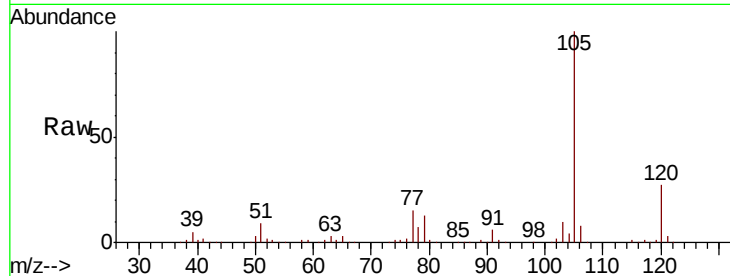
VW0520SBSD01

Tot Ion:105 Resp: 148158

Ion Ratio Lower Upper

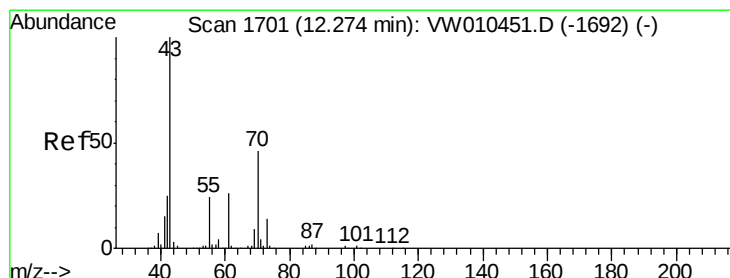
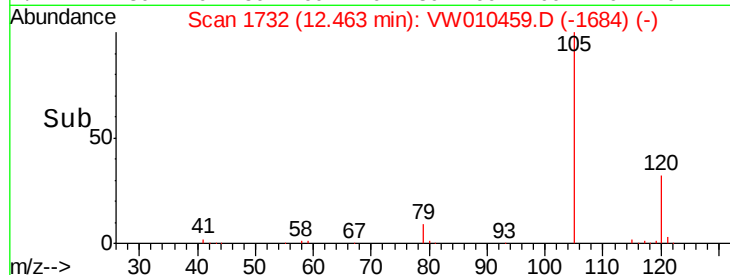
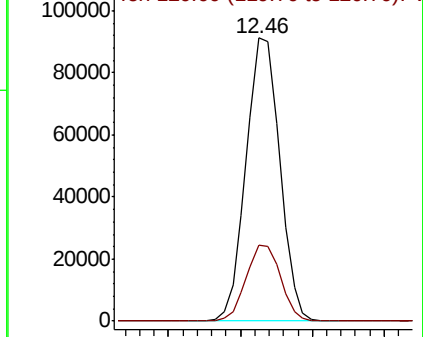
105 100

120 27.5 13.9 41.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 19.432 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW010459.D

Acq: 20 May 2019 20:59

Tgt Ion: 43 Resp: 34543

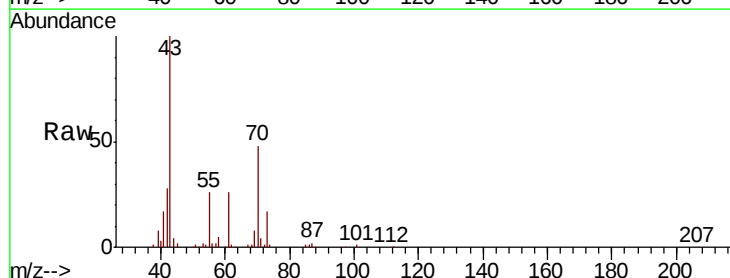
Ion Ratio Lower Upper

43 100

70 47.1 37.1 55.7

55 25.3 19.6 29.4

61 25.4 20.7 31.1

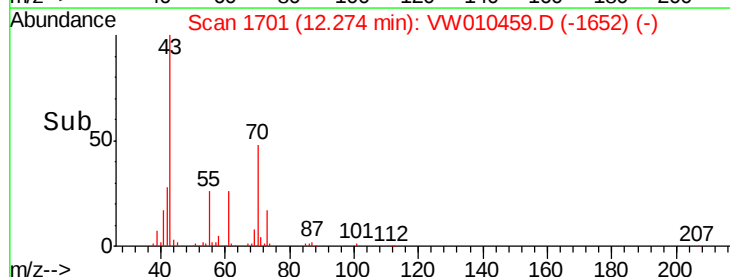
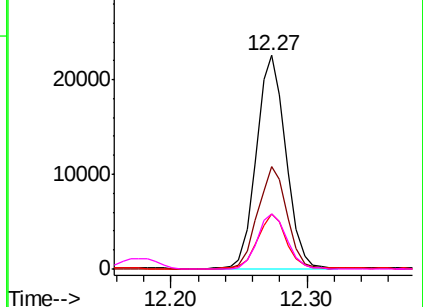


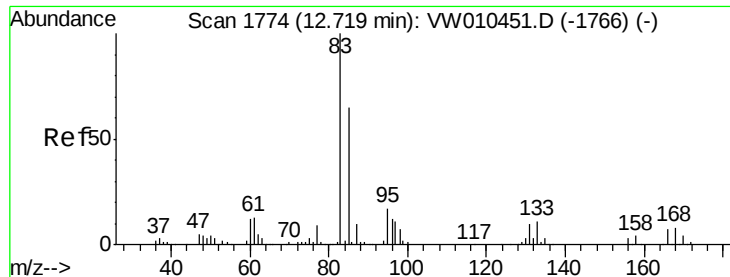
Abundance Ion 43.00 (42.70 to 43.70): VW

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





#75

1,1,2,2-Tetrachloroethane

Concen: 20.613 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.01 min

Lab File: VW010459.D

Acq: 20 May 2019 20:59

Instrument :

MSVOA_W

ClientSampleId :

VW0520SBSD01

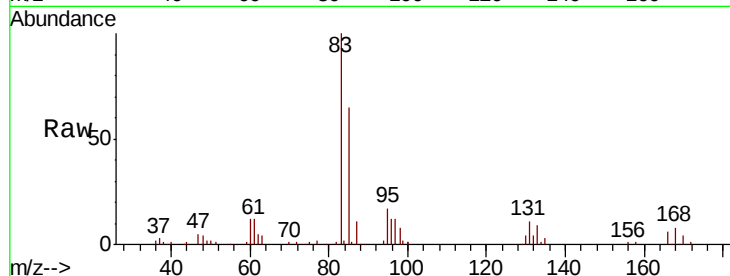
Tot Ion: 83 Resp: 29084

Ion Ratio Lower Upper

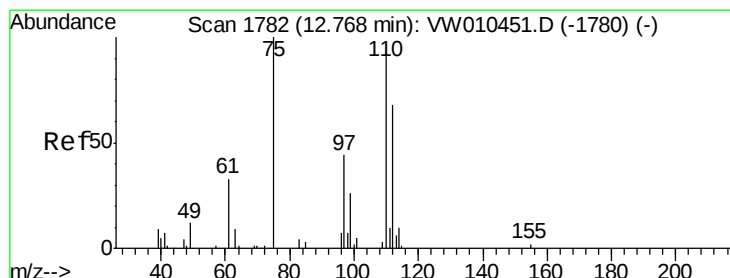
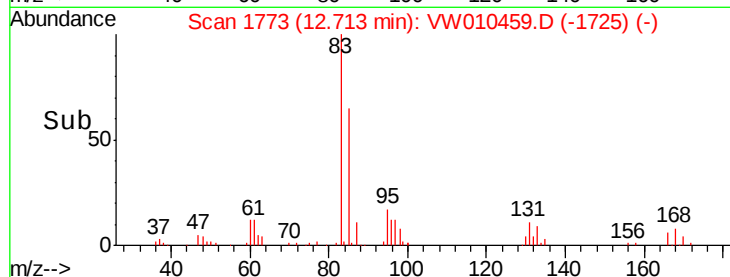
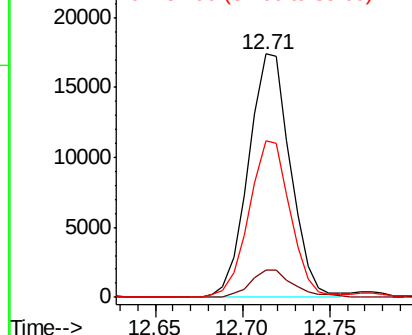
83 100

131 11.4 5.6 16.8

85 63.6 32.4 97.0



Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 36.985 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW010459.D

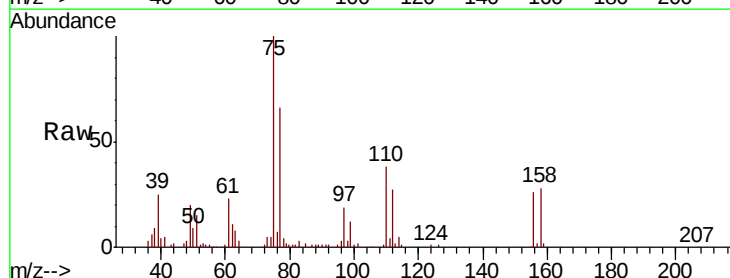
Acq: 20 May 2019 20:59

Tgt Ion: 75 Resp: 36700

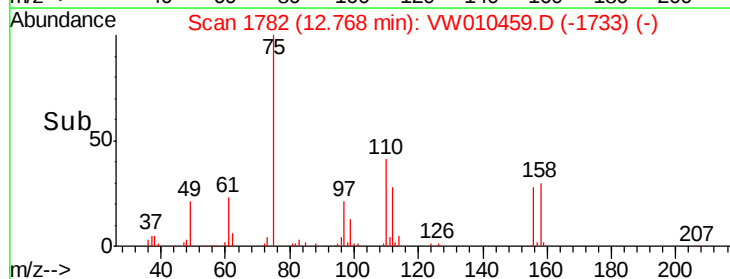
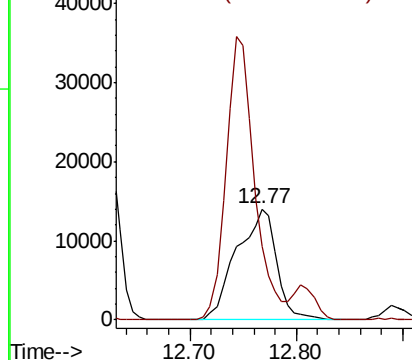
Ion Ratio Lower Upper

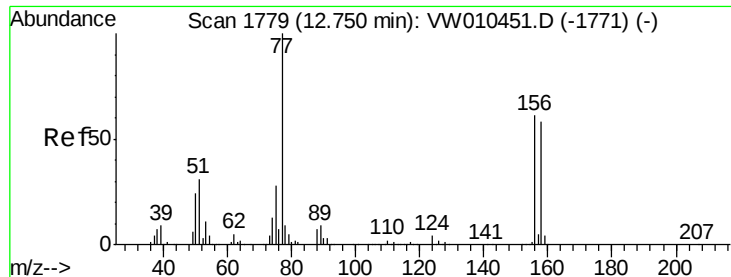
75 100

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: 19.862 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW010459.D

Acq: 20 May 2019 20:59

Instrument :

MSVOA_W

ClientSampleId :

VW0520SBSD01

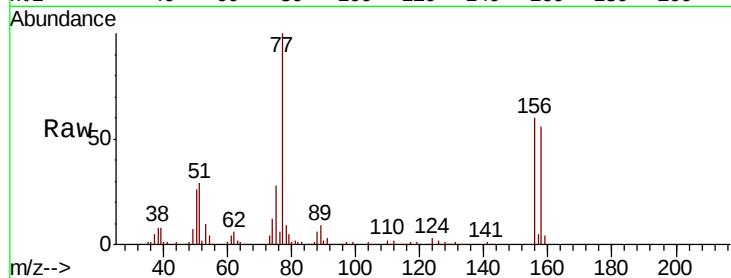
Tot Ion:156 Resp: 34480

Ion Ratio Lower Upper

156 100

77 192.8 92.4 277.2

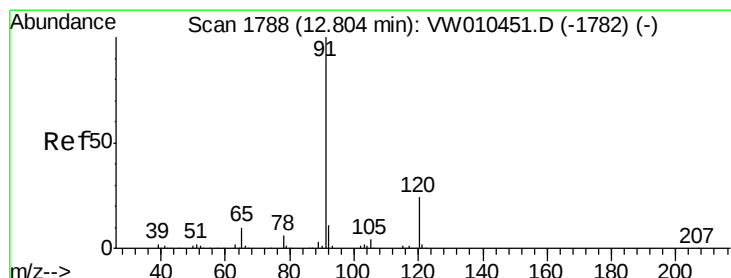
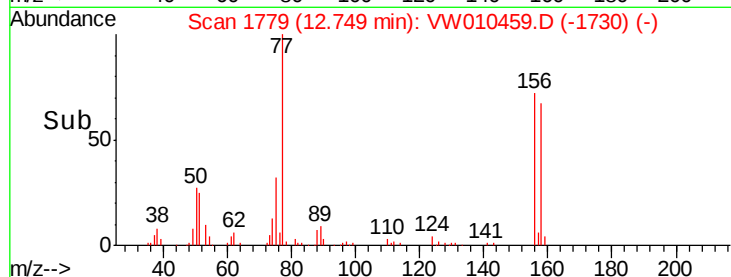
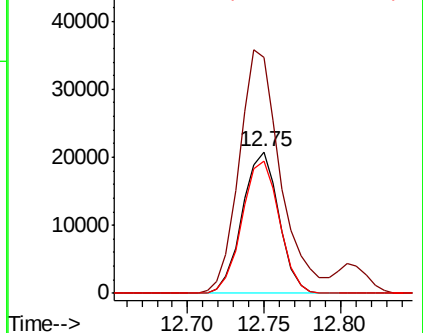
158 95.6 48.3 144.8



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: 19.106 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW010459.D

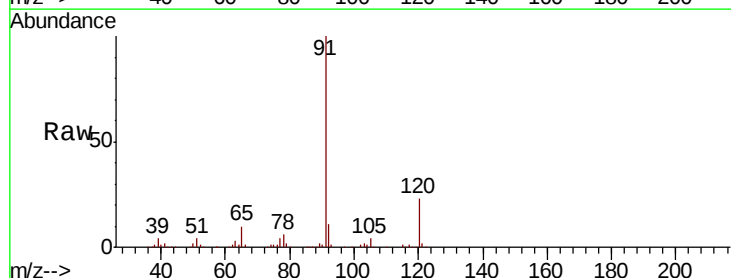
Acq: 20 May 2019 20:59

Tgt Ion: 91 Resp: 172724

Ion Ratio Lower Upper

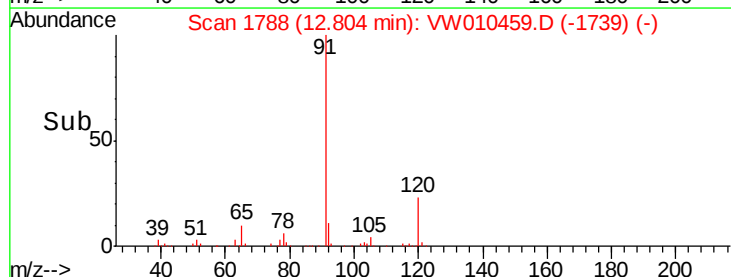
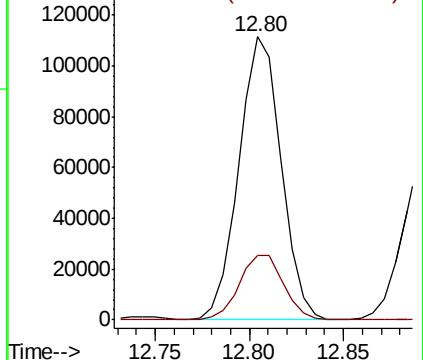
91 100

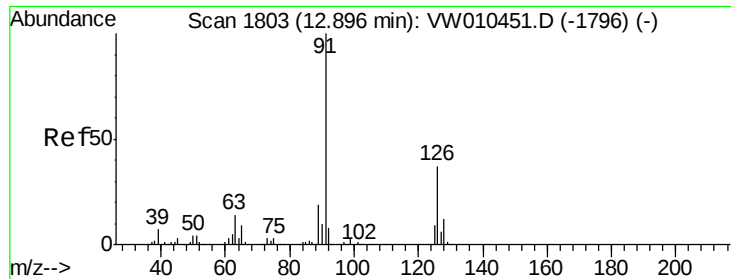
120 24.0 12.3 36.8



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.755 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.01 min

Lab File: VW010459.D

Acq: 20 May 2019 20:59

Instrument :

MSVOA_W

ClientSampleId :

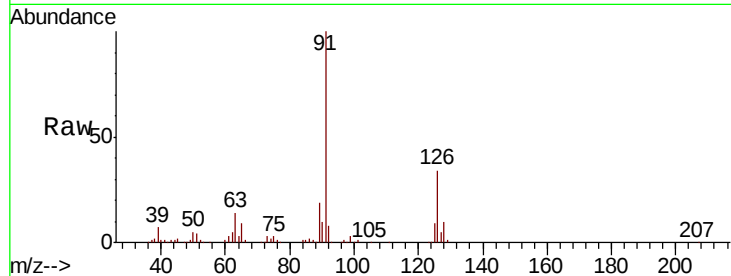
VW0520SBSD01

Tot Ion: 91 Resp: 103570

Ion Ratio Lower Upper

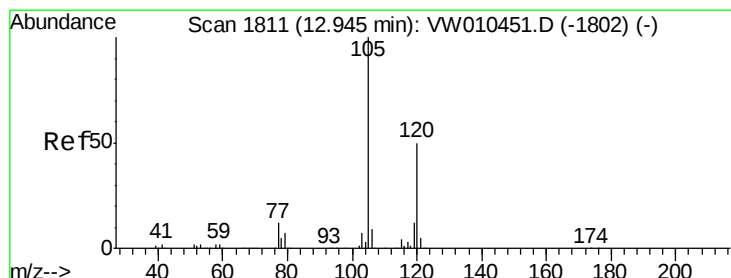
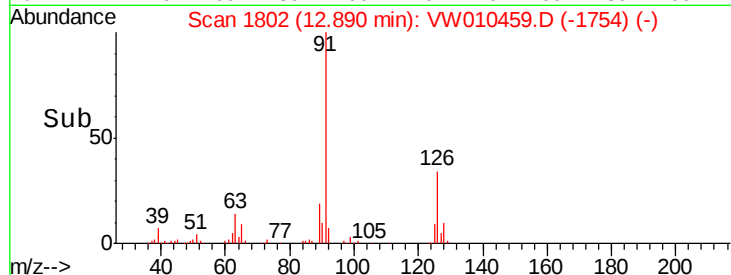
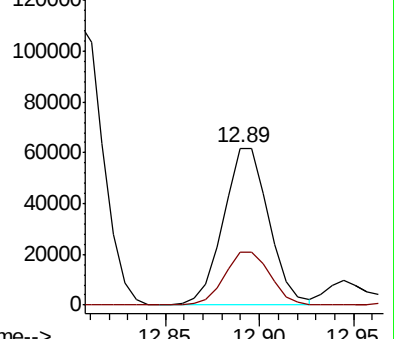
91 100

126 34.2 17.4 52.3



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 19.597 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW010459.D

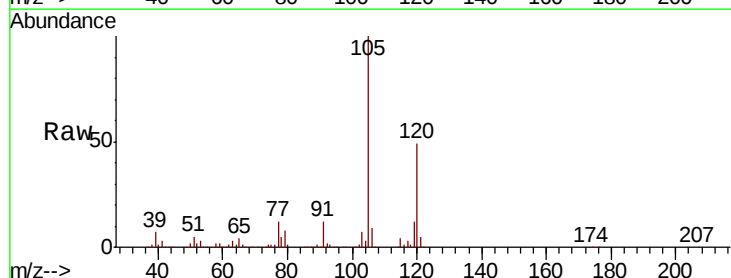
Acq: 20 May 2019 20:59

Tgt Ion:105 Resp: 128753

Ion Ratio Lower Upper

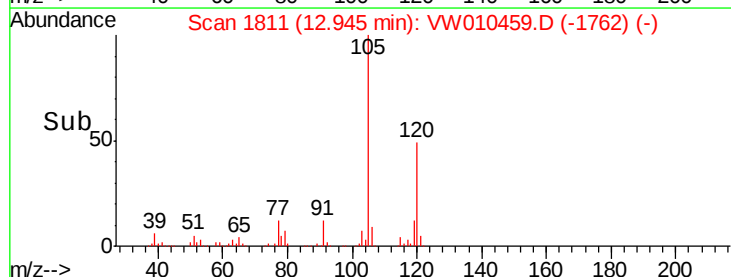
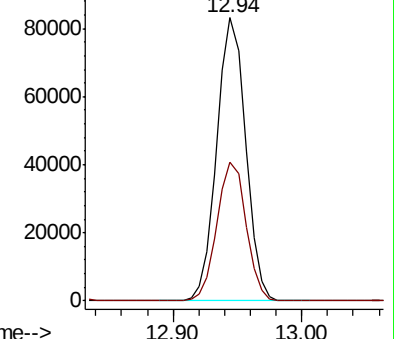
105 100

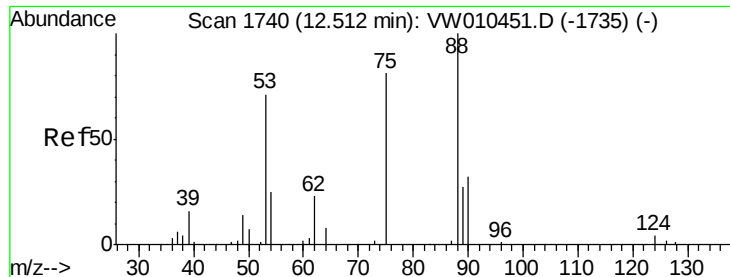
120 49.4 25.2 75.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 19.583 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW010459.D

Acq: 20 May 2019 20:59

Instrument :

MSVOA_W

ClientSampleId :

VW0520SBSD01

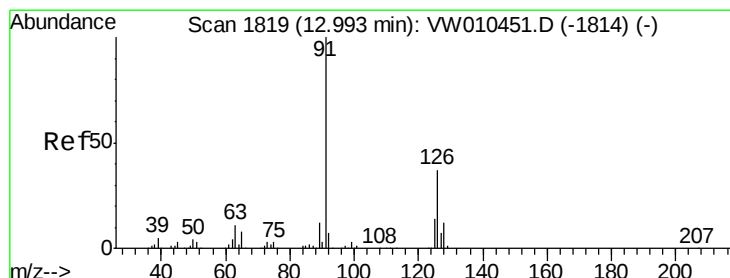
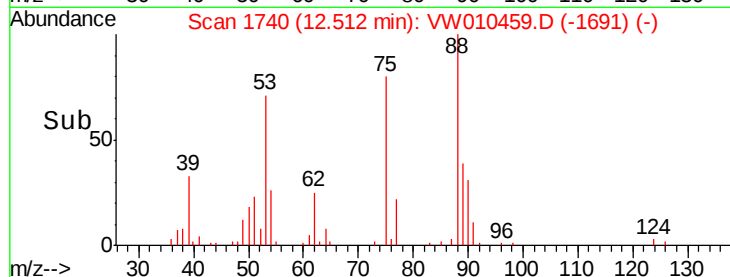
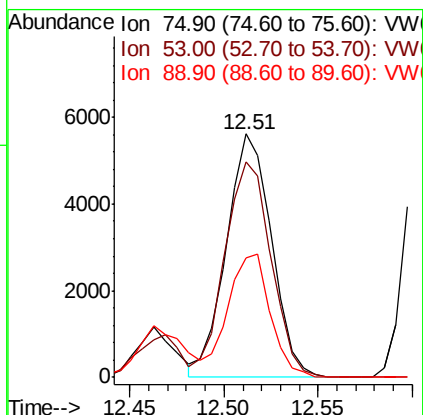
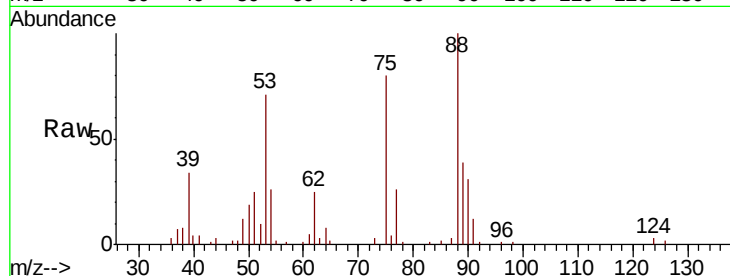
Tot Ion: 75 Resp: 9311

Ion Ratio Lower Upper

75 100

53 91.1 69.8 104.8

89 47.8 39.5 59.3



#82

4-Chlorotoluene

Concen: 19.742 ug/l

RT: 12.99 min Scan# 1819

Delta R.T. -0.00 min

Lab File: VW010459.D

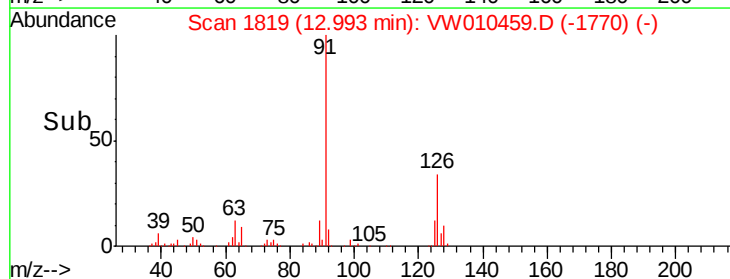
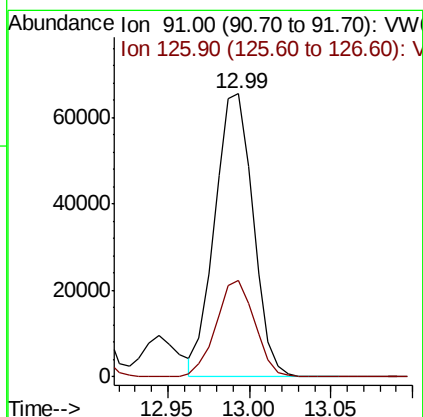
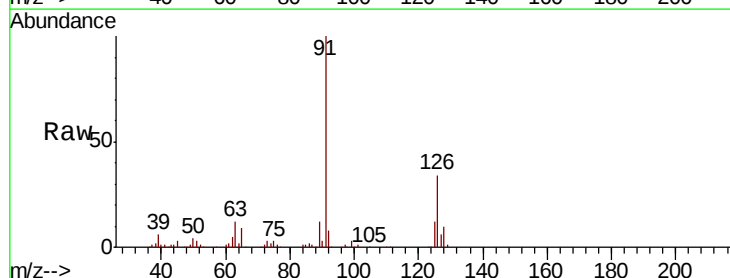
Acq: 20 May 2019 20:59

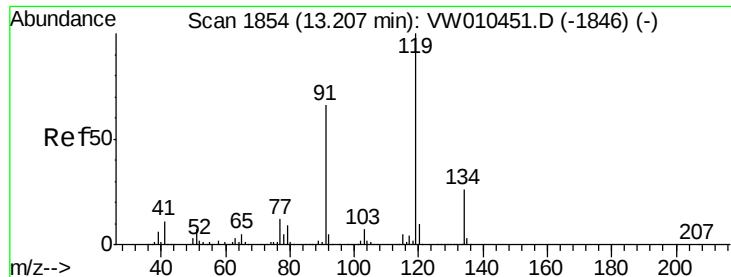
Tgt Ion: 91 Resp: 107430

Ion Ratio Lower Upper

91 100

126 34.3 17.5 52.6

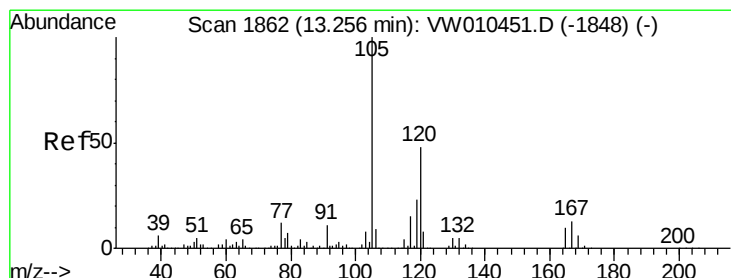
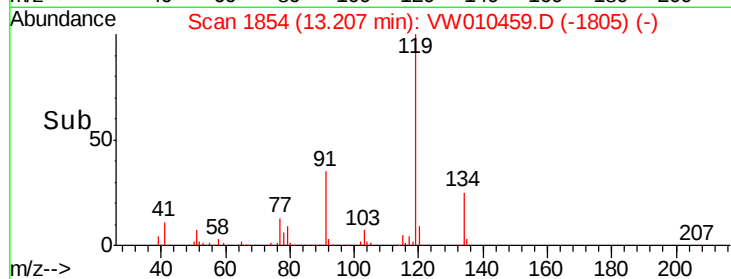
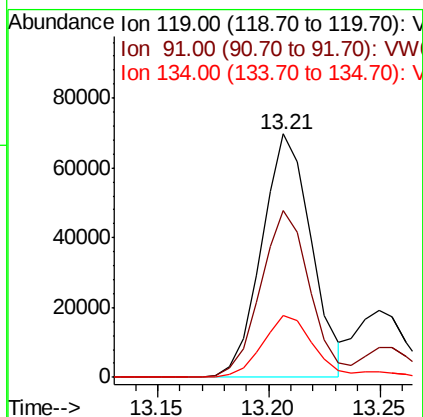
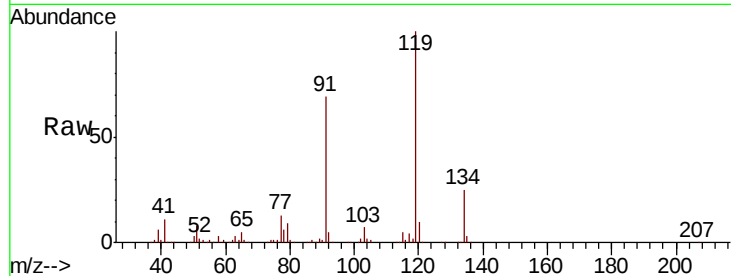




#83
tert-Butylbenzene
Concen: 18.841 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW010459.D
Acq: 20 May 2019 20:59

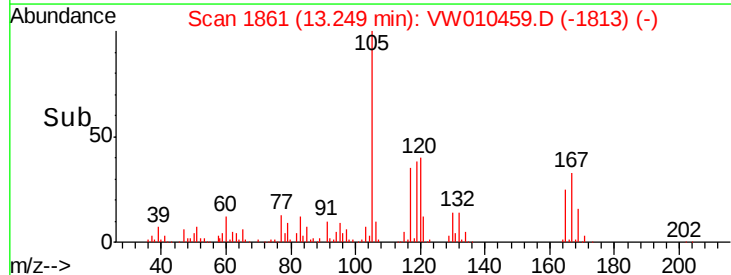
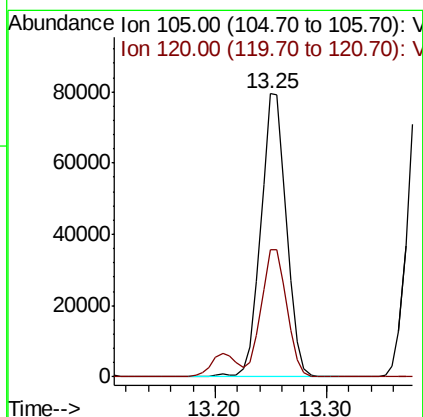
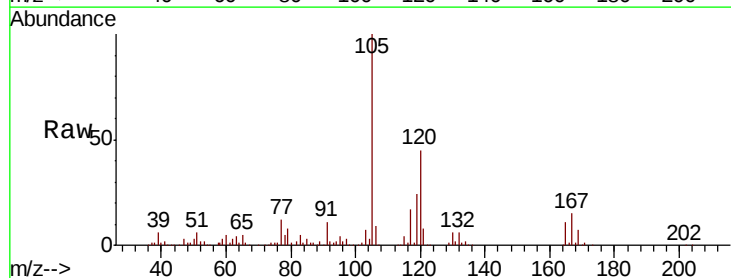
Instrument :
MSVOA_W
ClientSampleId :
VW0520SBSD01

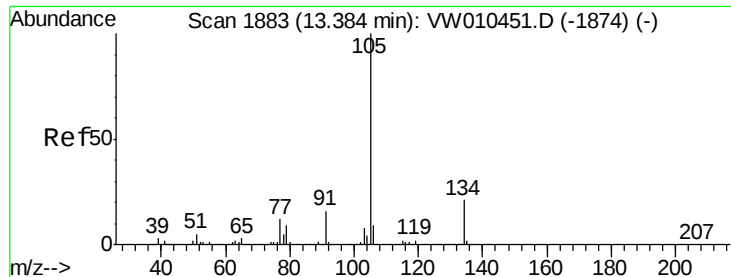
Tot Ion:119 Resp: 108130
Ion Ratio Lower Upper
119 100
91 68.3 33.1 99.5
134 27.7 13.9 41.6



#84
1,2,4-Trimethylbenzene
Concen: 19.466 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.01 min
Lab File: VW010459.D
Acq: 20 May 2019 20:59

Tgt Ion:105 Resp: 127379
Ion Ratio Lower Upper
105 100
120 45.3 23.4 70.2





#85

sec-Butylbenzene

Concen: 18.990 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW010459.D

Acq: 20 May 2019 20:59

Instrument :

MSVOA_W

ClientSampled :

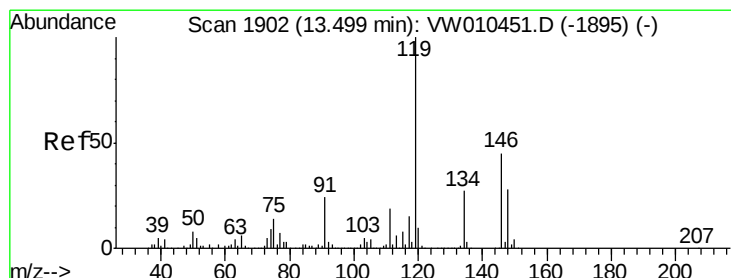
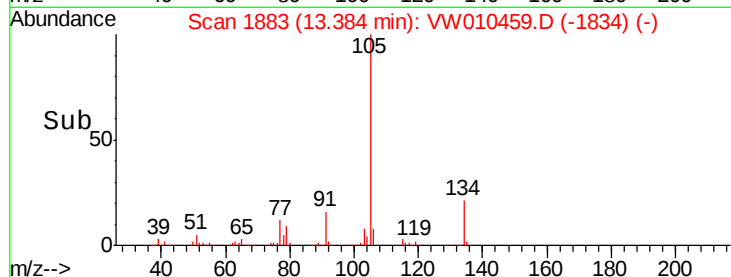
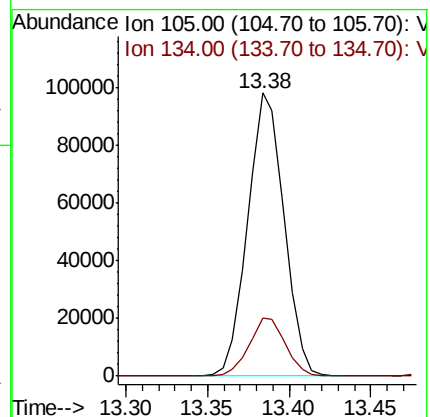
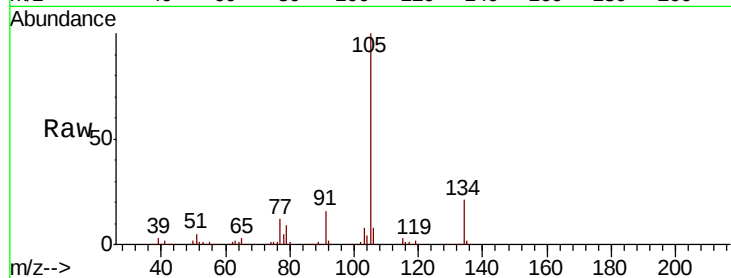
VW0520SBSD01

Tot Ion:105 Resp: 152518

Ion Ratio Lower Upper

105 100

134 20.4 10.5 31.6



#86

p-Isopropyltoluene

Concen: 18.807 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW010459.D

Acq: 20 May 2019 20:59

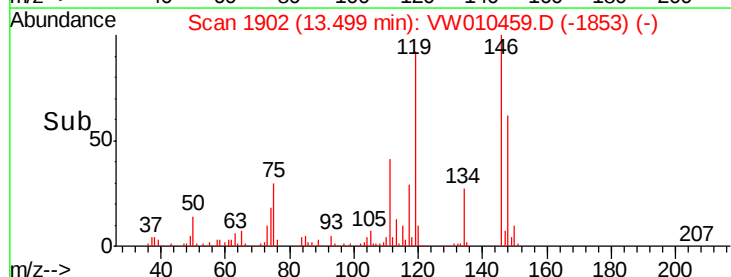
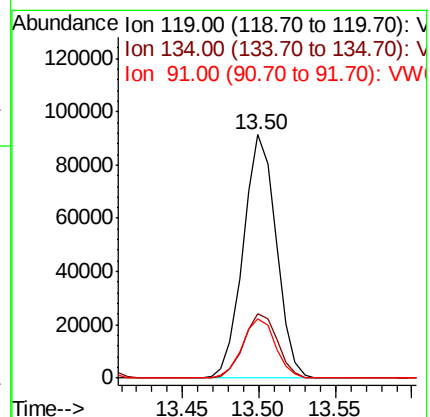
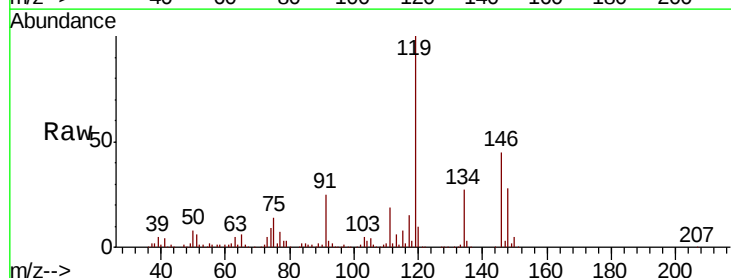
Tgt Ion:119 Resp: 136716

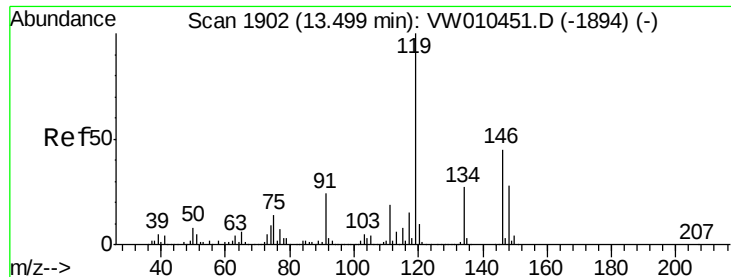
Ion Ratio Lower Upper

119 100

134 27.3 13.6 40.7

91 24.5 11.9 35.7





#87

1,3-Dichlorobenzene

Concen: 19.535 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW010459.D

Acq: 20 May 2019 20:59

Instrument :

MSVOA_W

ClientSampleId :

VW0520SBSD01

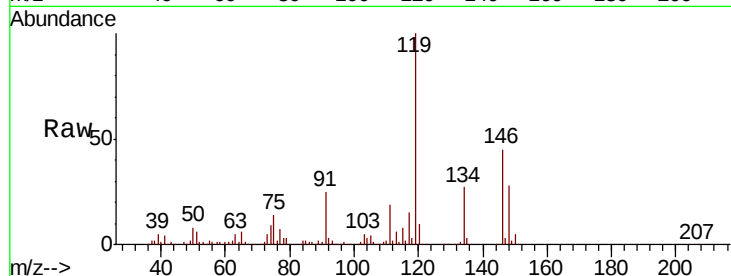
Tot Ion:146 Resp: 66533

Ion Ratio Lower Upper

146 100

111 42.4 20.3 60.9

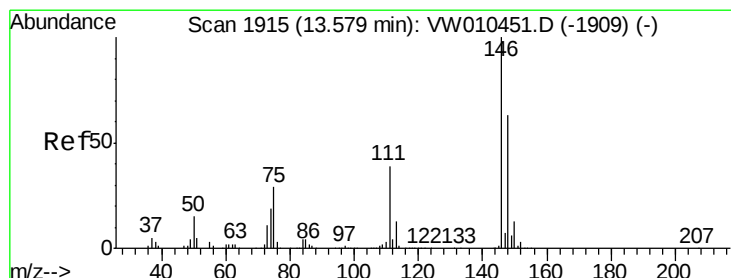
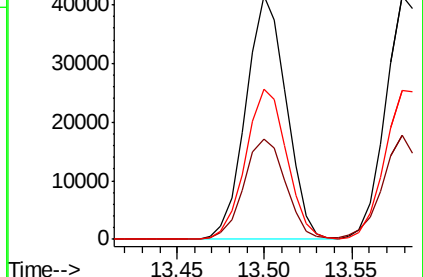
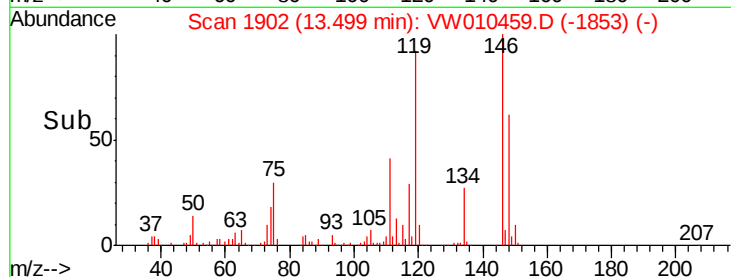
148 63.0 31.6 94.8



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 19.381 ug/l

RT: 13.58 min Scan# 1915

Delta R.T. -0.00 min

Lab File: VW010459.D

Acq: 20 May 2019 20:59

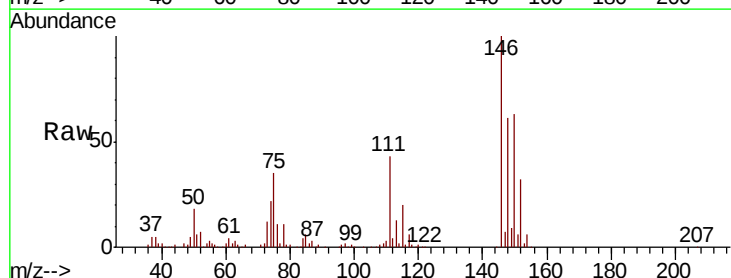
Tgt Ion:146 Resp: 66228

Ion Ratio Lower Upper

146 100

111 42.9 19.9 59.6

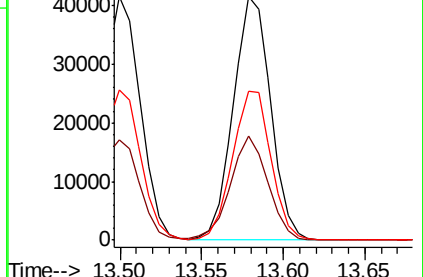
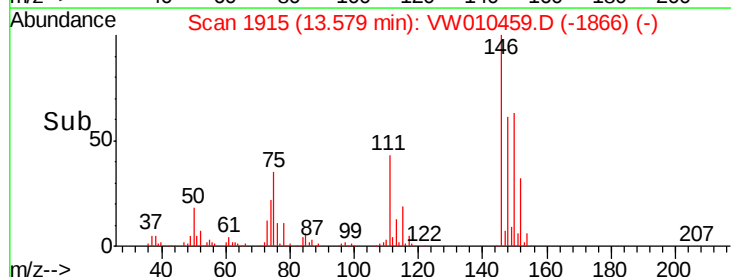
148 63.1 31.6 94.8

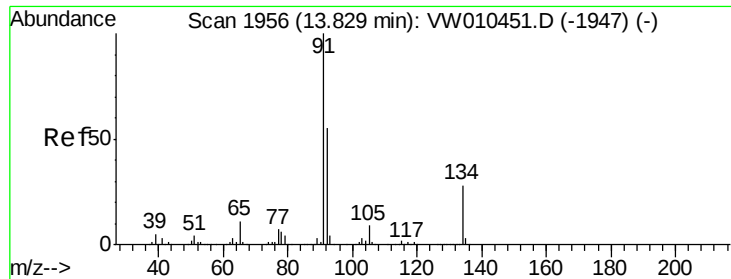


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 18.486 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. -0.00 min

Lab File: VW010459.D

Acq: 20 May 2019 20:59

Instrument :

MSVOA_W

ClientSampleId :

VW0520SBSD01

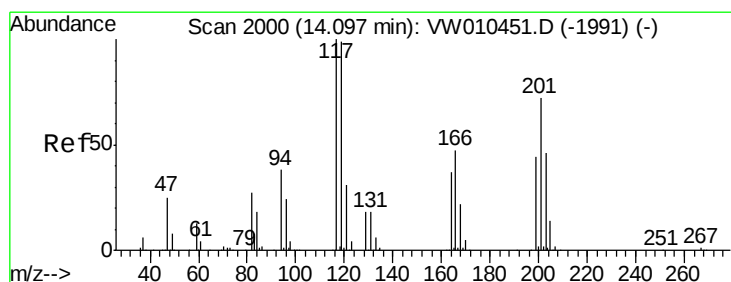
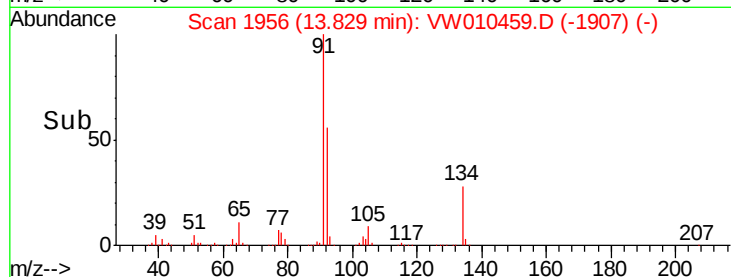
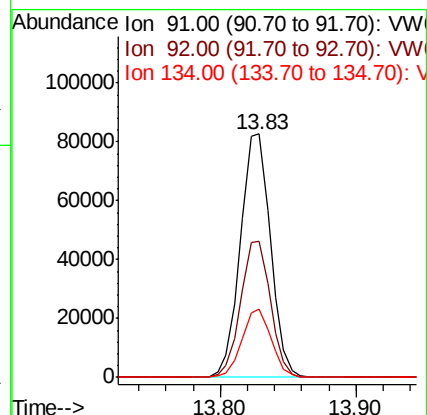
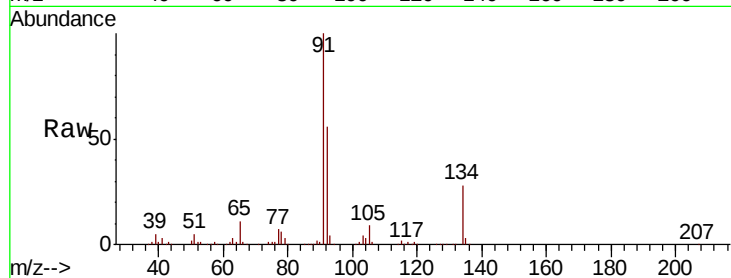
Tot Ion: 91 Resp: 127822

Ion Ratio Lower Upper

91 100

92 55.3 27.7 83.1

134 27.1 13.9 41.6



#90

Hexachloroethane

Concen: 19.341 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. -0.00 min

Lab File: VW010459.D

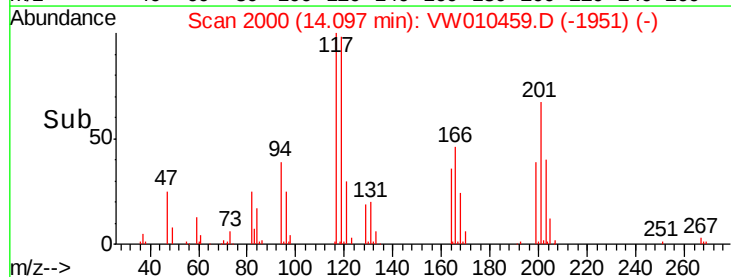
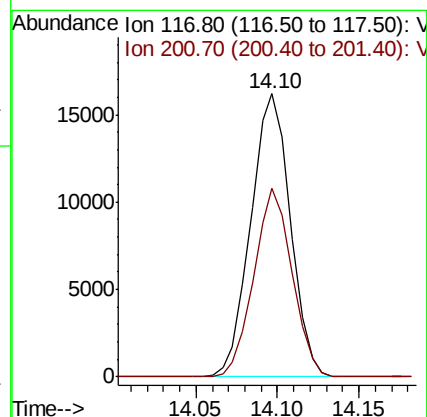
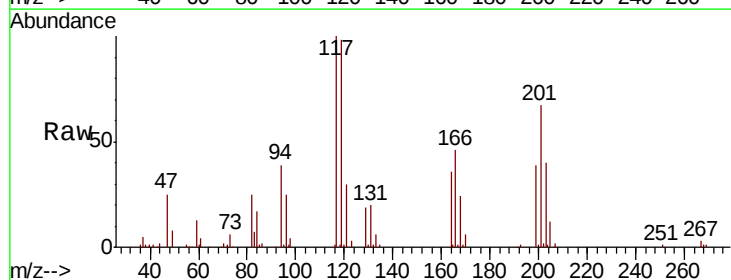
Acq: 20 May 2019 20:59

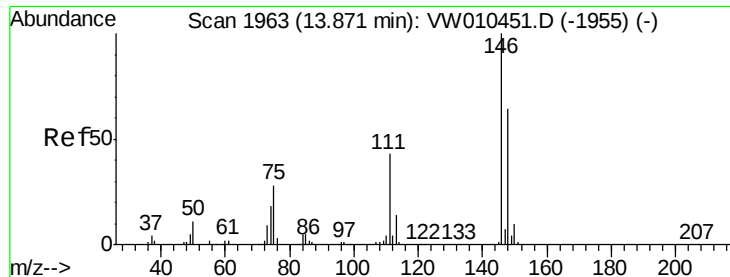
Tgt Ion: 117 Resp: 27214

Ion Ratio Lower Upper

117 100

201 64.4 34.6 103.8





#91

1,2-Dichlorobenzene

Concen: 19.363 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW010459.D

Acq: 20 May 2019 20:59

Instrument :

MSVOA_W

ClientSampleId :

VW0520SBS01

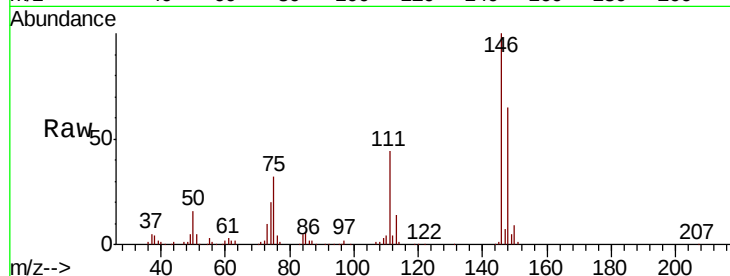
Tot Ion:146 Resp: 60089

Ion Ratio Lower Upper

146 100

111 44.0 21.3 64.0

148 64.0 32.0 96.0

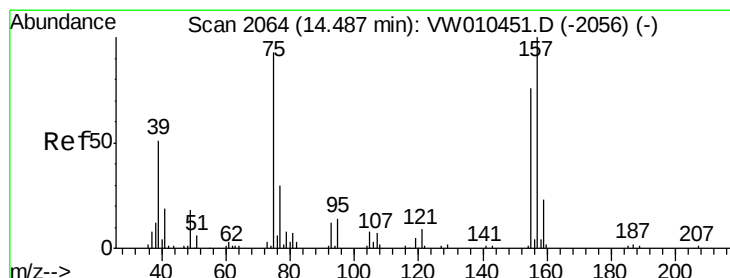
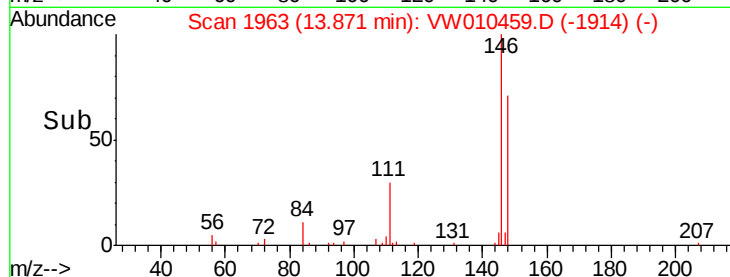
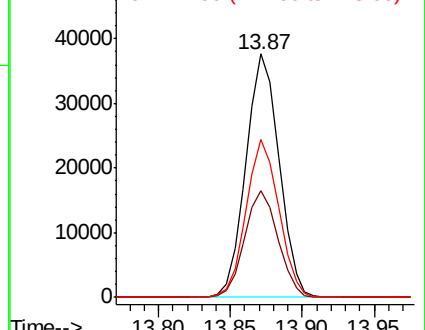


Abundance

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: 20.094 ug/l

RT: 14.49 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VW010459.D

Acq: 20 May 2019 20:59

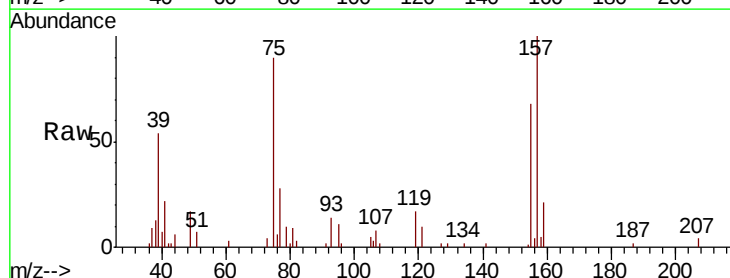
Tgt Ion: 75 Resp: 5272

Ion Ratio Lower Upper

75 100

155 82.4 43.0 129.0

157 111.1 55.7 167.1

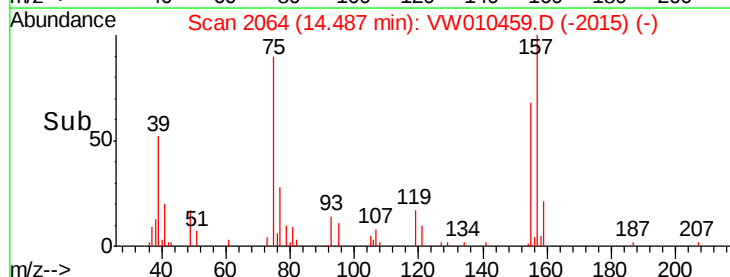
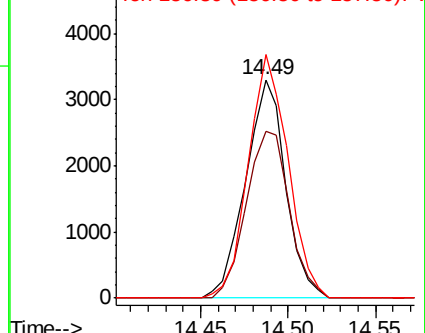


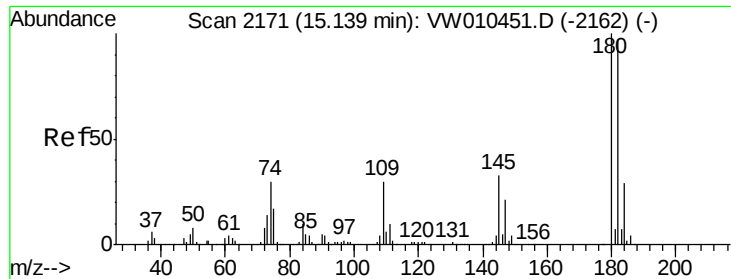
Abundance

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

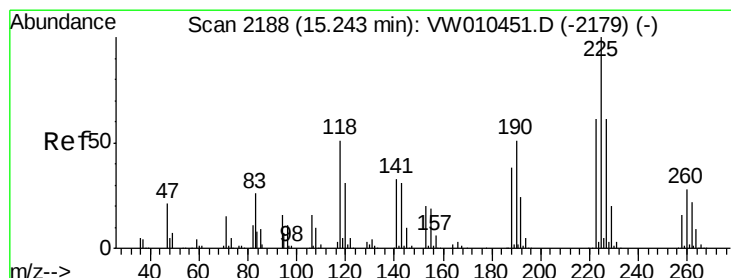
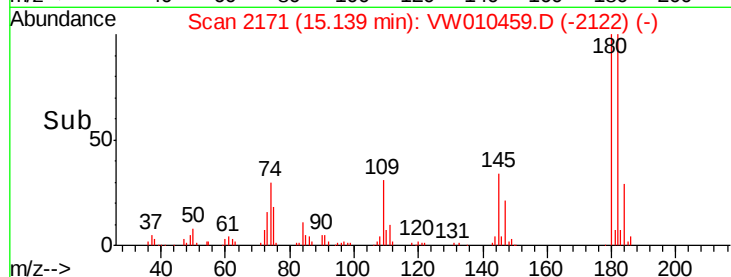
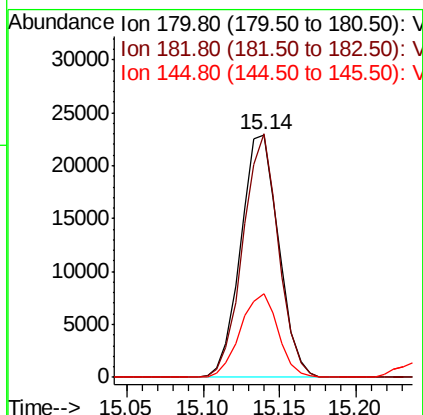
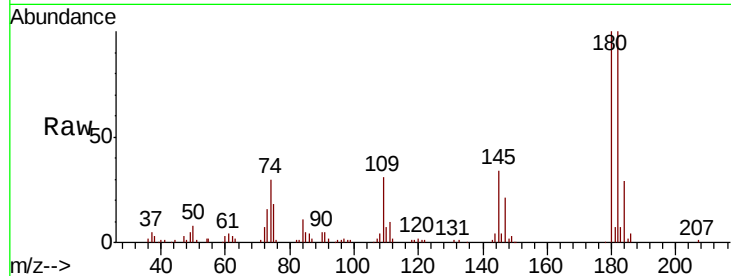




#93
 1,2,4-Trichlorobenzene
 Concen: 18.663 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW010459.D
 Acq: 20 May 2019 20:59

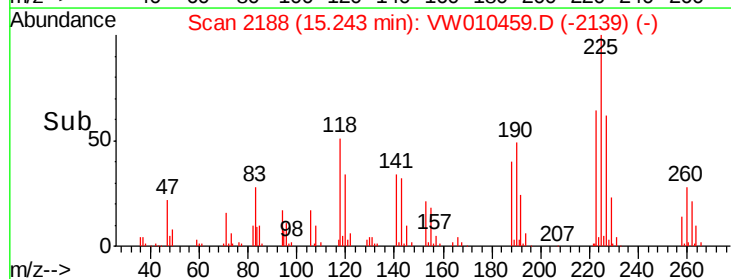
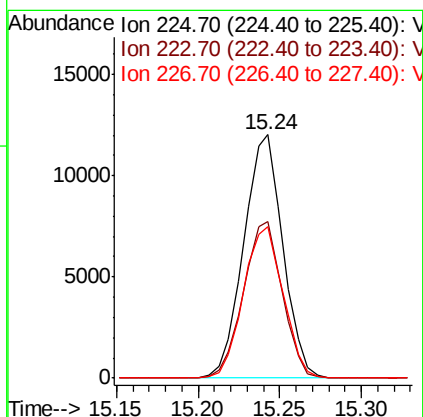
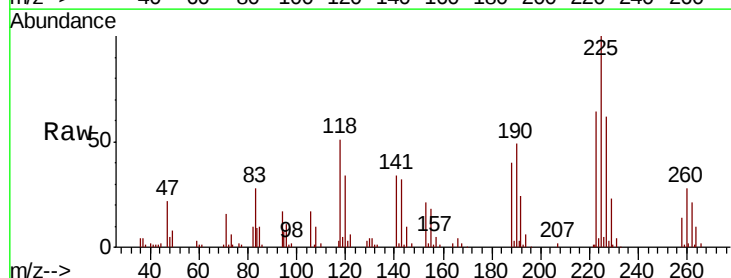
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0520SBS01

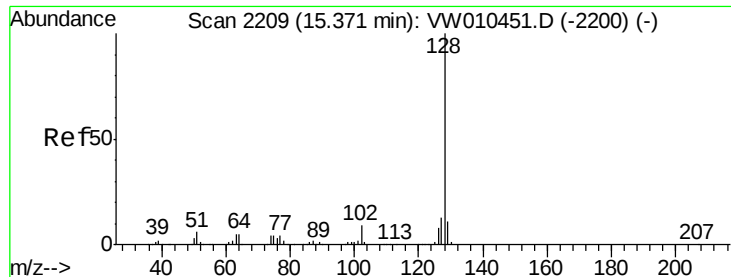
Tot Ion:180 Resp: 39406
 Ion Ratio Lower Upper
 180 100
 182 94.1 47.0 141.2
 145 34.3 16.7 50.0



#94
 Hexachlorobutadiene
 Concen: 17.794 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. -0.00 min
 Lab File: VW010459.D
 Acq: 20 May 2019 20:59

Tgt Ion:225 Resp: 20071
 Ion Ratio Lower Upper
 225 100
 223 63.9 31.1 93.2
 227 63.0 31.1 93.5

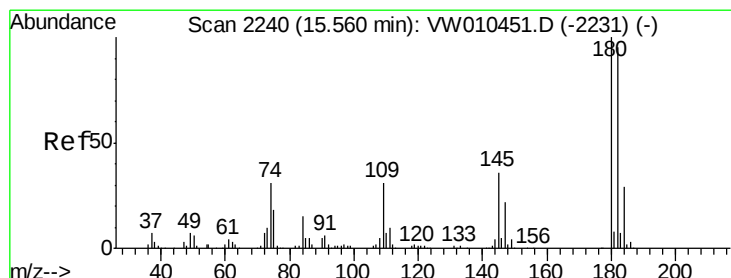
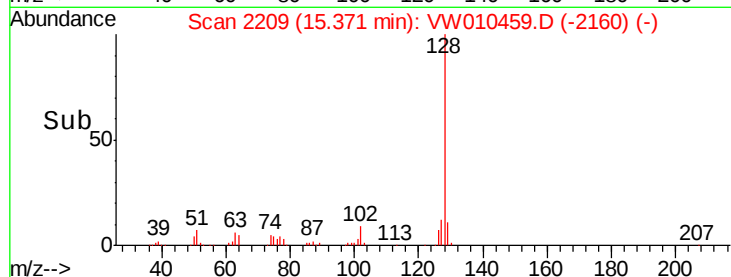
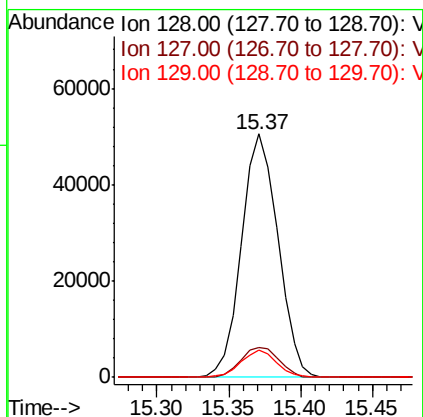
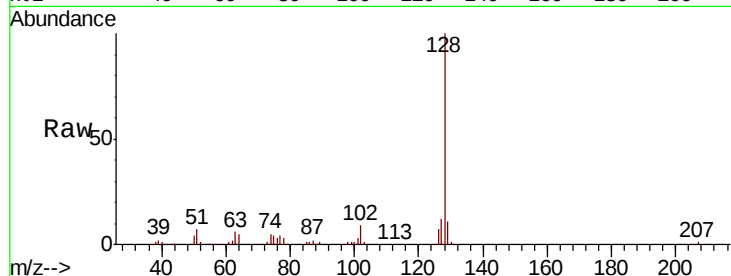




#95
Naphthalene
Concen: 20.011 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.00 min
Lab File: VW010459.D
Acq: 20 May 2019 20:59

Instrument :
MSVOA_W
ClientSampleId :
VW0520SBSD01

Tot Ion:128 Resp: 88692
Ion Ratio Lower Upper
128 100
127 13.1 10.6 15.8
129 10.9 8.9 13.3



#96
1,2,3-Trichlorobenzene
Concen: 19.050 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VW010459.D
Acq: 20 May 2019 20:59

Tgt Ion:180 Resp: 34611
Ion Ratio Lower Upper
180 100
182 97.1 47.1 141.3
145 36.9 17.4 52.3

