

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW010320\
 Data File : VW014497.D
 Acq On : 03 Jan 2020 14:21
 Operator : SY/VA
 Sample : VSTDIC020
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jan 03 15:19:26 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W010320S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 03 15:15:19 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	839972	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	1255262	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	1092288	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	543998	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	148516	23.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	46.14%	
35) Dibromofluoromethane	7.88	113	142363	20.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	41.06%	
50) Toluene-d8	10.32	98	602503	21.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	42.62%	
62) 4-Bromofluorobenzene	12.61	95	201490	20.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	41.96%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	101826	22.389	ug/l 97
3) Chloromethane	2.21	50	118342	24.163	ug/l 98
4) Vinyl Chloride	2.36	62	179807	24.291	ug/l 97
5) Bromomethane	2.76	94	107960	22.346	ug/l 97
6) Chloroethane	2.92	64	99385	22.398	ug/l 98
7) Trichlorofluoromethane	3.24	101	80286	17.973	ug/l 99
8) Diethyl Ether	3.68	74	87736	23.407	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	162929	21.988	ug/l 99
10) Methyl Iodide	4.27	142	246275	20.672	ug/l 99
11) Tert butyl alcohol	5.16	59	62362	147.928	ug/l 100
12) 1,1-Dichloroethene	4.04	96	169200	22.056	ug/l 98
13) Acrolein	3.89	56	65310	137.602	ug/l 97
14) Allyl chloride	4.66	41	253403	21.456	ug/l 99
15) Acrylonitrile	5.37	53	202413	127.347	ug/l 98
16) Acetone	4.12	43	172823	118.415	ug/l 99
17) Carbon Disulfide	4.38	76	511518	23.042	ug/l 97
18) Methyl Acetate	4.67	43	103602	25.953	ug/l 100
19) Methyl tert-butyl Ether	5.42	73	213859	22.892	ug/l 99
20) Methylene Chloride	4.91	84	190398	22.135	ug/l 98
21) trans-1,2-Dichloroethene	5.42	96	179942	21.866	ug/l 96
22) Diisopropyl ether	6.31	45	497908	23.043	ug/l 97
23) Vinyl Acetate	6.25	43	1488691	116.455	ug/l 100
24) 1,1-Dichloroethane	6.21	63	307309	22.517	ug/l 99
25) 2-Butanone	7.16	43	254970	121.927	ug/l 97
26) 2,2-Dichloropropane	7.16	77	168402	21.516	ug/l 97
27) cis-1,2-Dichloroethene	7.16	96	188862	21.646	ug/l 99
28) Bromochloromethane	7.51	49	115122	25.145	ug/l 98
29) Tetrahydrofuran	7.52	42	170478	131.526	ug/l 99
30) Chloroform	7.67	83	290114	21.644	ug/l 98
31) Cyclohexane	7.95	56	316100	22.150	ug/l 98
32) 1,1,1-Trichloroethane	7.87	97	233003	22.071	ug/l 99
36) 1,1-Dichloropropene	8.08	75	250544	21.282	ug/l 99
37) Ethyl Acetate	7.25	43	112777	23.632	ug/l 99
38) Carbon Tetrachloride	8.06	117	213701	20.282	ug/l 96

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 Quant Title : SW846 8260
 QLast Update : Fri Jan 03 15:15:19 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	315682	20.862	ug/l	99
40) Benzene	8.32	78	708473	21.297	ug/l	99
41) Methacrylonitrile	7.48	41	67233	23.031	ug/l	94
42) 1,2-Dichloroethane	8.40	62	186064	22.011	ug/l	100
43) Isopropyl Acetate	8.42	43	202890	22.663	ug/l	99
44) Trichloroethene	9.09	130	189542	20.127	ug/l	92
45) 1,2-Dichloropropane	9.37	63	175228	21.946	ug/l	100
46) Dibromomethane	9.46	93	85093	21.723	ug/l	99
47) Bromodichloromethane	9.64	83	209922	21.006	ug/l	100
48) Methyl methacrylate	9.43	41	99084	22.413	ug/l	100
49) 1,4-Dioxane	9.44	88	32279	517.620	ug/l	98
51) 4-Methyl-2-Pentanone	10.21	43	538353	119.051	ug/l	99
52) Toluene	10.38	92	441921	20.679	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	217974	21.394	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	264360	21.112	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	123694	21.213	ug/l	98
56) Ethyl methacrylate	10.65	69	160568	21.710	ug/l	98
57) 1,3-Dichloropropane	10.93	76	220272	22.009	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	226309	71.695	ug/l	99
59) 2-Hexanone	10.96	43	359830	115.633	ug/l	99
60) Dibromochloromethane	11.13	129	137851	20.174	ug/l	98
61) 1,2-Dibromoethane	11.23	107	117846	21.330	ug/l	98
64) Tetrachloroethene	10.86	164	158350	19.151	ug/l	99
65) Chlorobenzene	11.65	112	455643	20.308	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.73	131	153618	19.709	ug/l	100
67) Ethyl Benzene	11.73	91	827751	20.467	ug/l	100
68) m/p-Xylenes	11.83	106	634009	40.617	ug/l	100
69) o-Xylene	12.16	106	293295	20.439	ug/l	100
70) Styrene	12.18	104	492317	20.014	ug/l	99
71) Bromoform	12.35	173	82738	19.925	ug/l #	100
73) Isopropylbenzene	12.46	105	803890	20.545	ug/l	100
74) N-amyl acetate	12.27	43	181045	22.882	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	147100	22.900	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	184035	43.416	ug/l #	100
77) Bromobenzene	12.74	156	186106	19.973	ug/l	99
78) n-propylbenzene	12.80	91	959007	21.133	ug/l	100
79) 2-Chlorotoluene	12.89	91	542327	21.241	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	688266	20.908	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	44887	20.873	ug/l	95
82) 4-Chlorotoluene	12.99	91	567163	21.232	ug/l	99
83) tert-Butylbenzene	13.21	119	588338	20.146	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	682694	20.986	ug/l	100
85) sec-Butylbenzene	13.38	105	827741	20.688	ug/l	99
86) p-Isopropyltoluene	13.50	119	757306	20.385	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	366769	20.352	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	359109	20.020	ug/l	98
89) n-Butylbenzene	13.82	91	694311	20.603	ug/l	100
90) Hexachloroethane	14.09	117	127124	19.706	ug/l	99
91) 1,2-Dichlorobenzene	13.86	146	324302	20.676	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	23459	23.781	ug/l	99

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	220964	19.477	ug/l	99
94) Hexachlorobutadiene	15.24	225	149242	19.606	ug/l	99
95) Naphthalene	15.36	128	374860	20.529	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	192709	19.644	ug/l	98

(#) = 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. -0.00 min

Lab File: VW014497.D

Acq: 03 Jan 2020 14:21

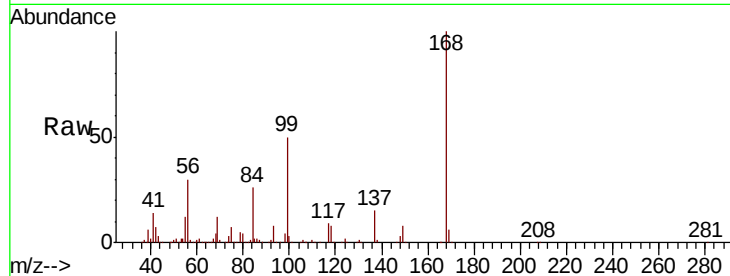
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 839972

Ion Ratio Lower Upper

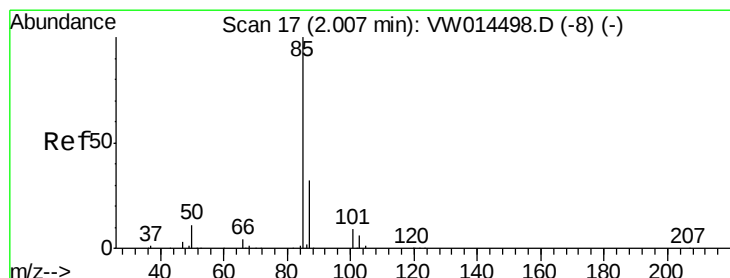
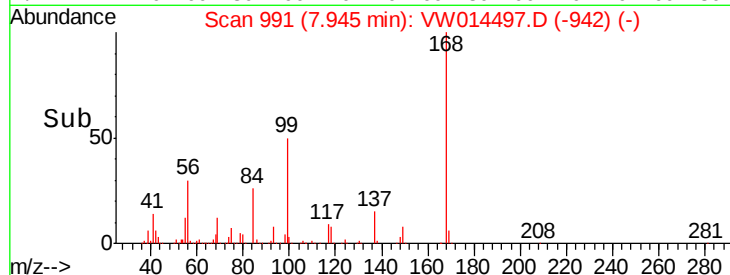
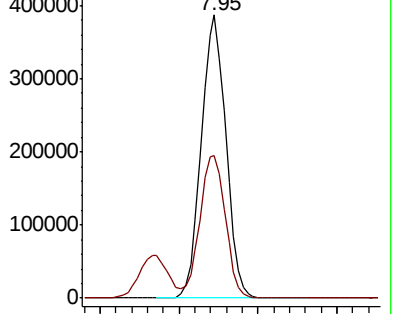
168 100

99 50.3 41.1 61.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 22.389 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW014497.D

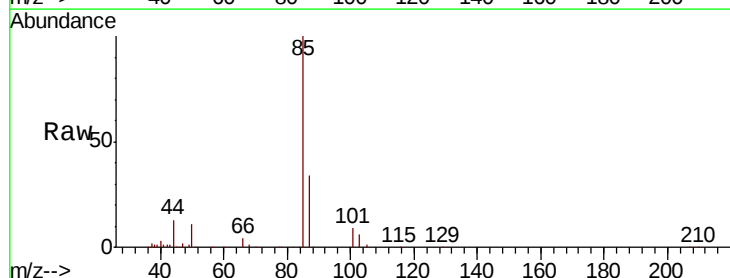
Acq: 03 Jan 2020 14:21

Tgt Ion: 85 Resp: 101826

Ion Ratio Lower Upper

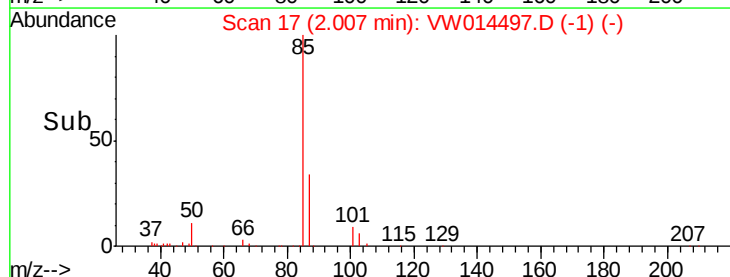
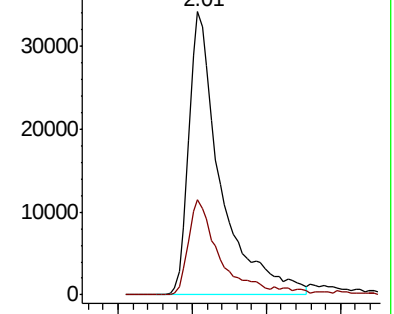
85 100

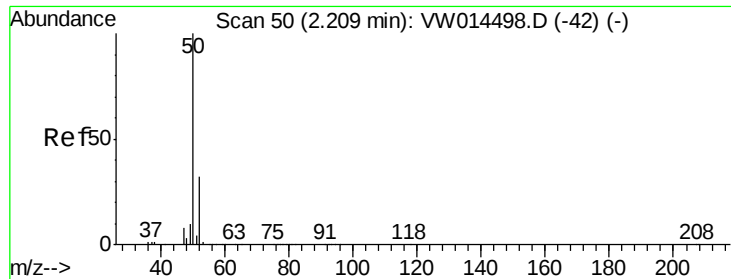
87 33.8 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 24.163 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.01 min

Lab File: VW014497.D

Acq: 03 Jan 2020 14:21

Instrument :

MSVOA_W

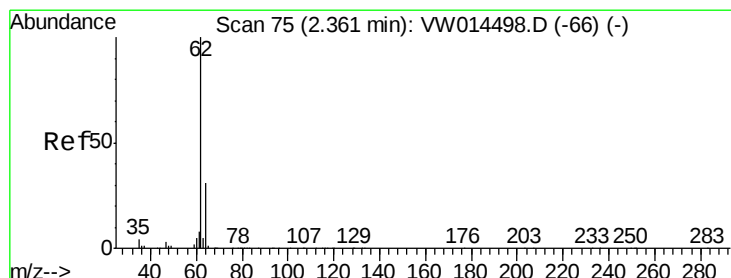
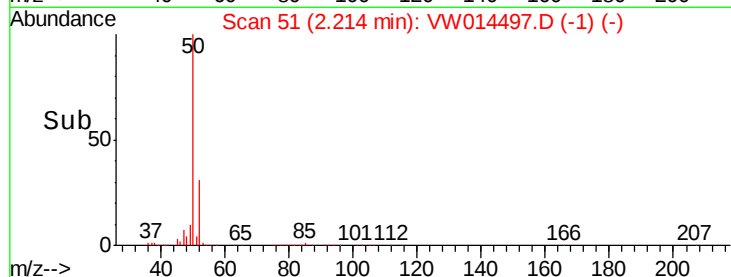
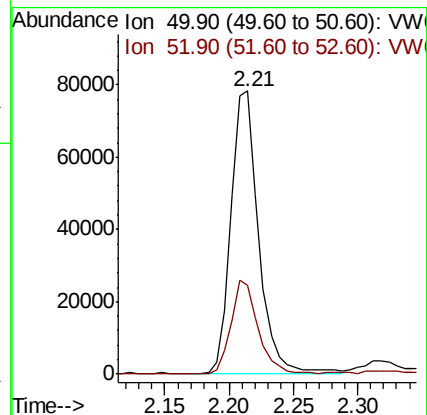
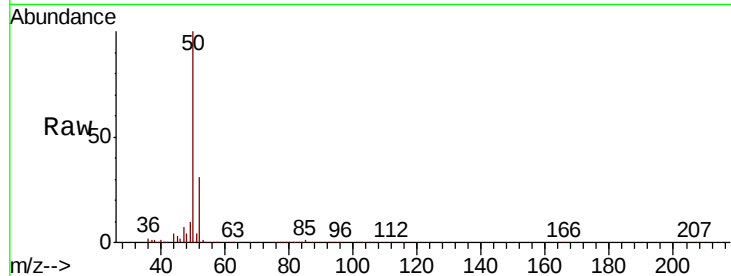
ClientSampleId :

Tot Ion: 50 Resp: 118342

Ion Ratio Lower Upper

50 100

52 31.4 25.8 38.8



#4

Vinyl Chloride

Concen: 24.291 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW014497.D

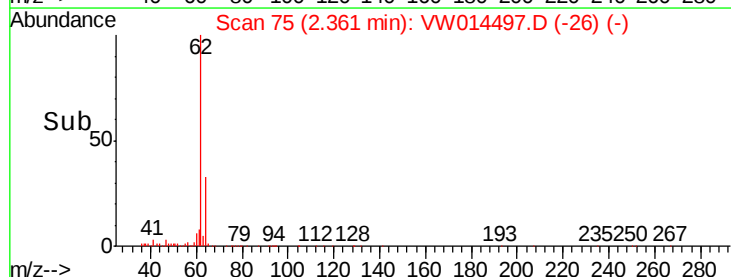
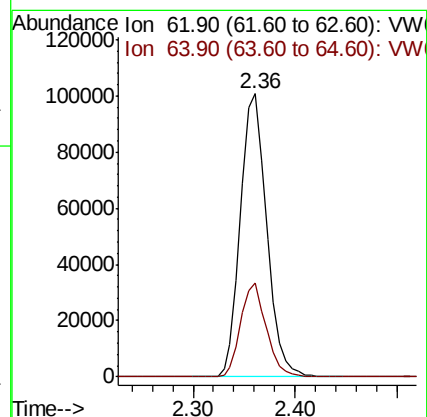
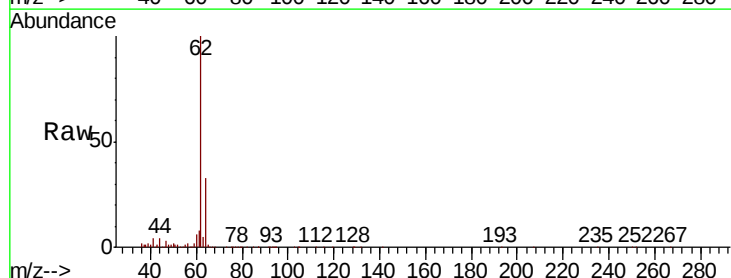
Acq: 03 Jan 2020 14:21

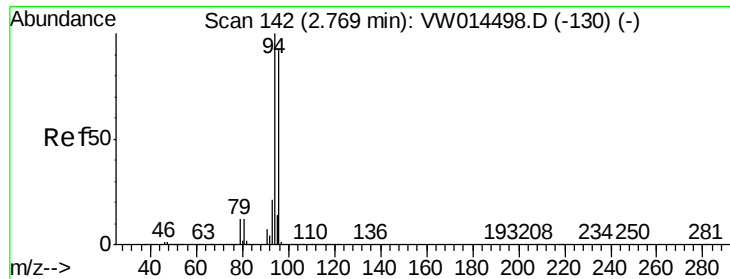
Tgt Ion: 62 Resp: 179807

Ion Ratio Lower Upper

62 100

64 32.9 25.0 37.4





#5

Bromomethane

Concen: 22.346 ug/l

RT: 2.76 min Scan# 141

Delta R.T. -0.01 min

Lab File: VW014497.D

Acq: 03 Jan 2020 14:21

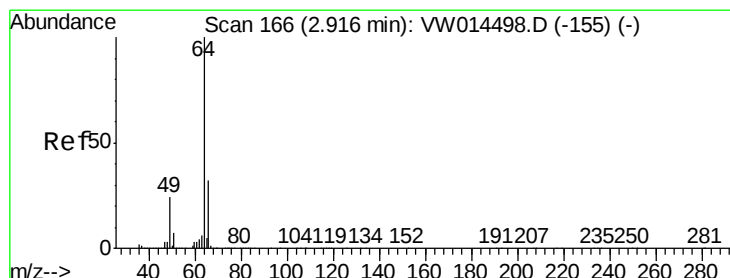
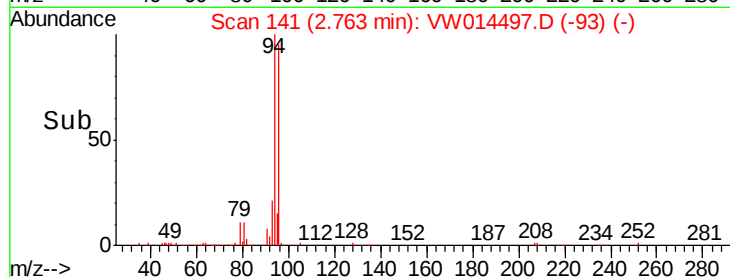
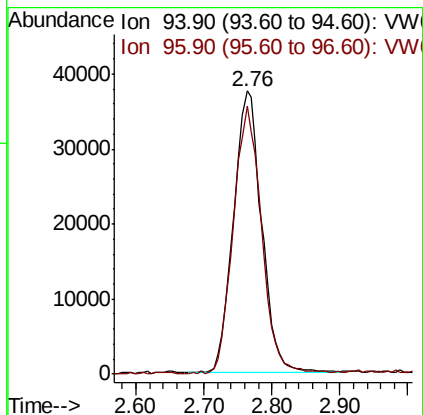
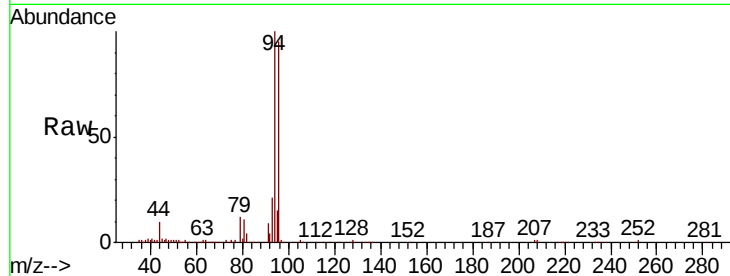
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 94 Resp: 107960

Ion Ratio Lower Upper

94 100

96 95.2 74.2 111.2



#6

Chloroethane

Concen: 22.398 ug/l

RT: 2.92 min Scan# 166

Delta R.T. -0.00 min

Lab File: VW014497.D

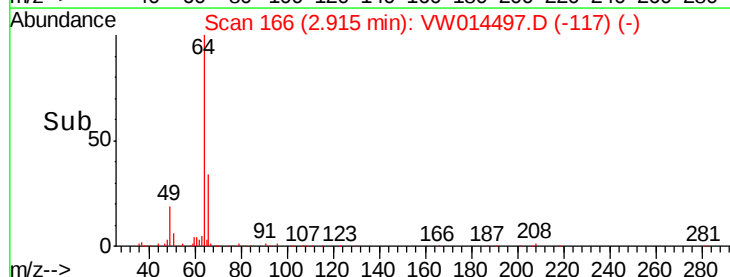
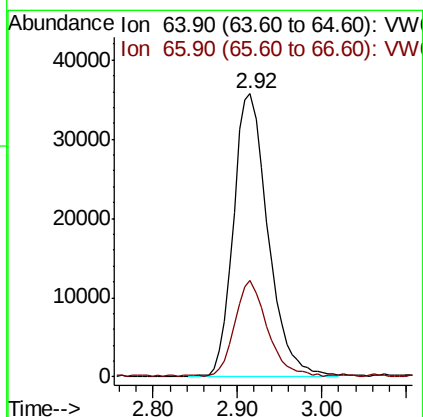
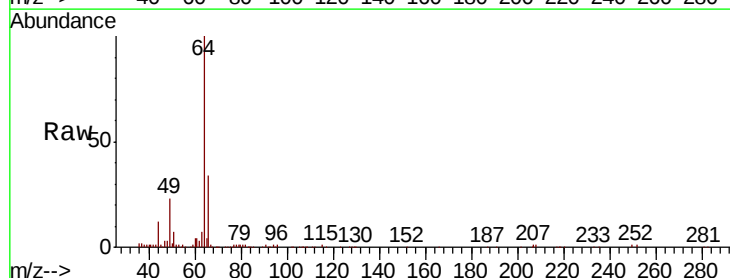
Acq: 03 Jan 2020 14:21

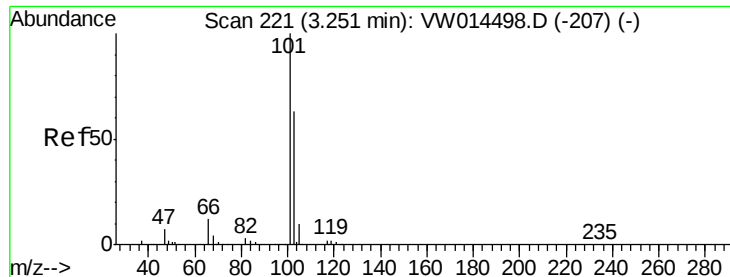
Tgt Ion: 64 Resp: 99385

Ion Ratio Lower Upper

64 100

66 33.3 25.7 38.5



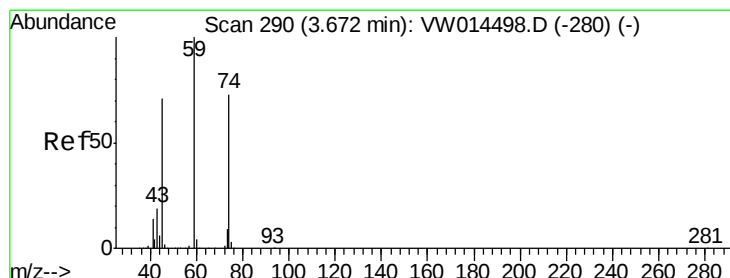
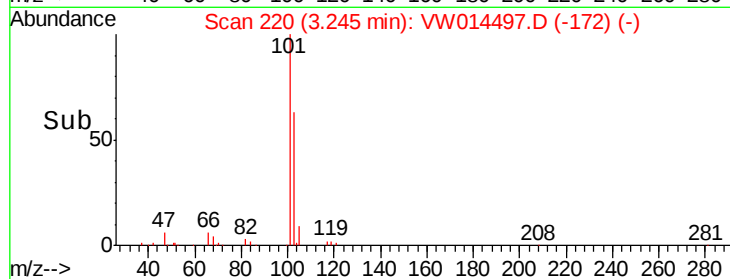
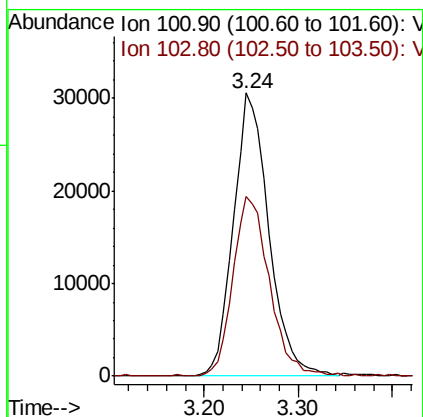
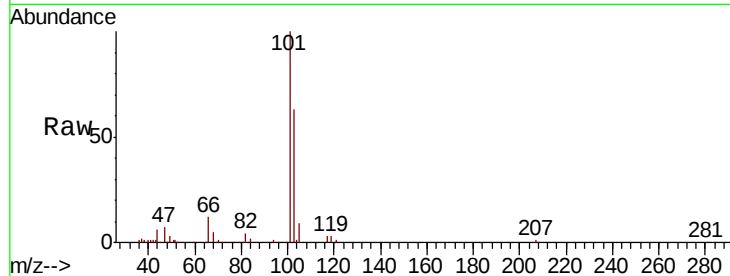


#7

Trichlorofluoromethane
Concen: 17.973 ug/l
RT: 3.24 min Scan# 220
Delta R.T. -0.01 min
Lab File: VW014497.D
Acq: 03 Jan 2020 14:21

Instrument :
MSVOA_W
ClientSampleId :

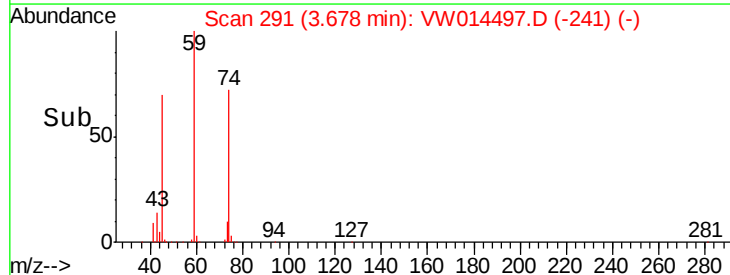
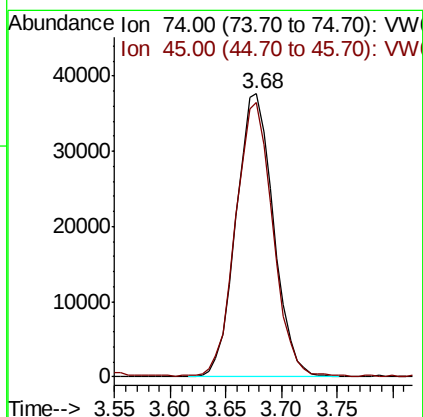
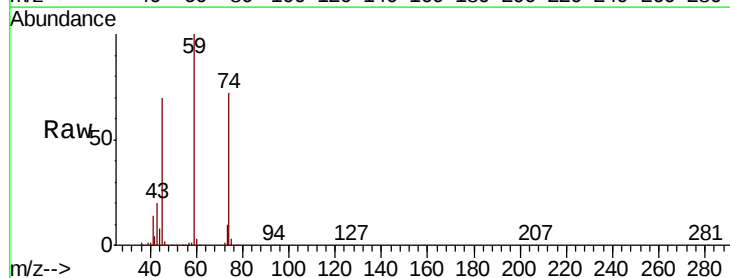
Tot Ion:101 Resp: 80286
Ion Ratio Lower Upper
101 100
103 63.4 50.1 75.1



#8

Diethyl Ether
Concen: 23.407 ug/l
RT: 3.68 min Scan# 291
Delta R.T. 0.01 min
Lab File: VW014497.D
Acq: 03 Jan 2020 14:21

Tgt Ion: 74 Resp: 87736
Ion Ratio Lower Upper
74 100
45 96.4 48.6 145.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.988 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.00 min

Lab File: VW014497.D

Acq: 03 Jan 2020 14:21

Instrument :

MSVOA_W

ClientSampled :

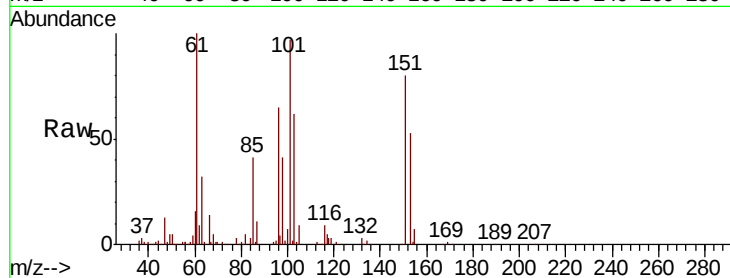
Tot Ion:101 Resp: 162929

Ion Ratio Lower Upper

101 100

85 42.7 33.7 50.5

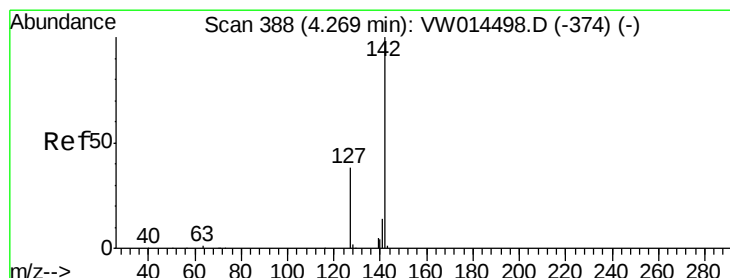
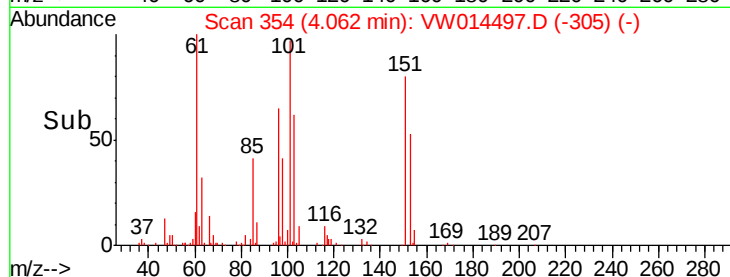
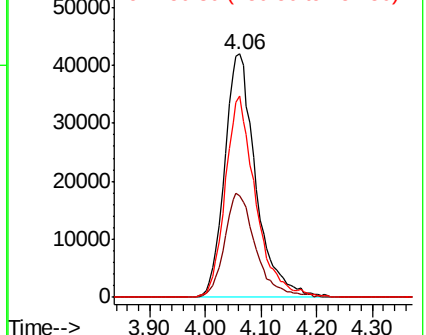
151 80.5 63.5 95.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 20.672 ug/l

RT: 4.27 min Scan# 388

Delta R.T. -0.00 min

Lab File: VW014497.D

Acq: 03 Jan 2020 14:21

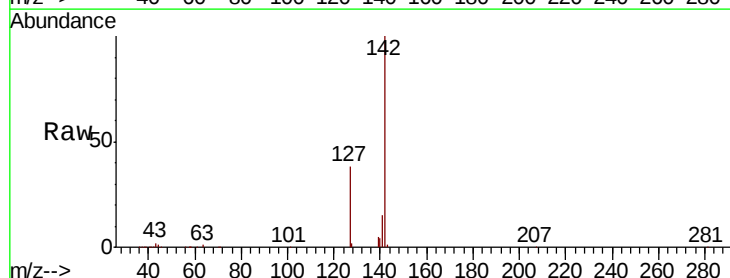
Tgt Ion:142 Resp: 246275

Ion Ratio Lower Upper

142 100

127 38.6 30.2 45.4

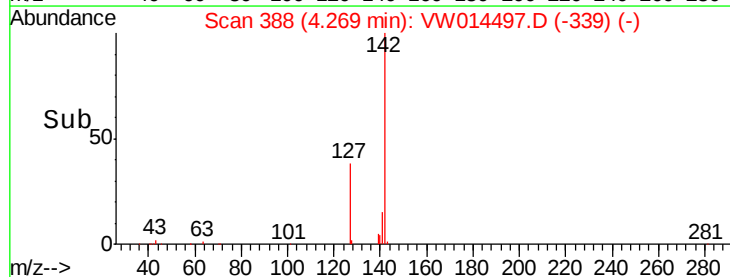
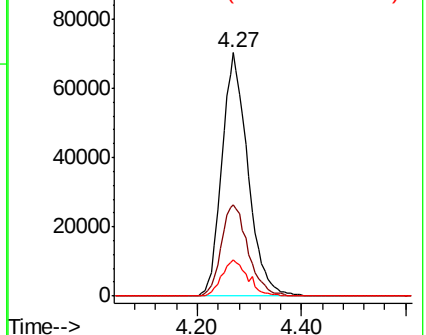
141 14.9 11.4 17.2

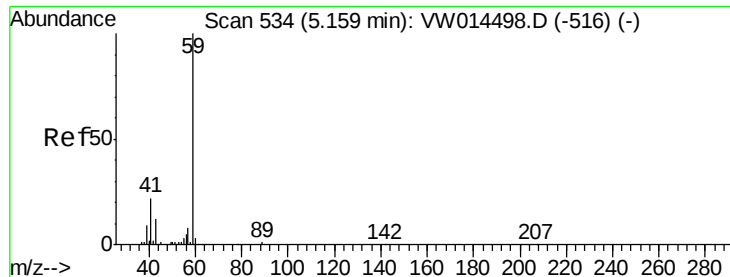


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



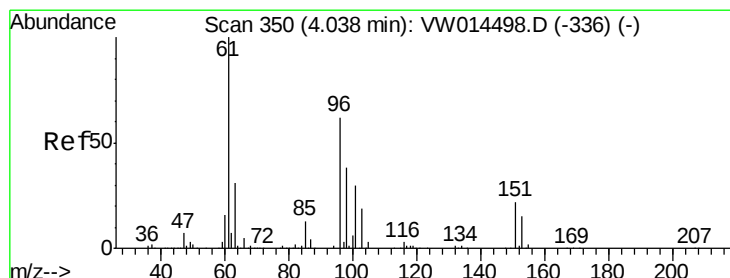
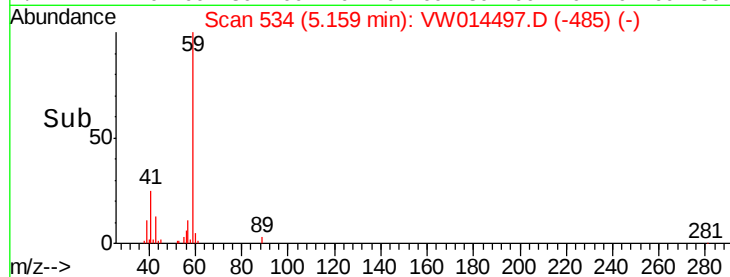
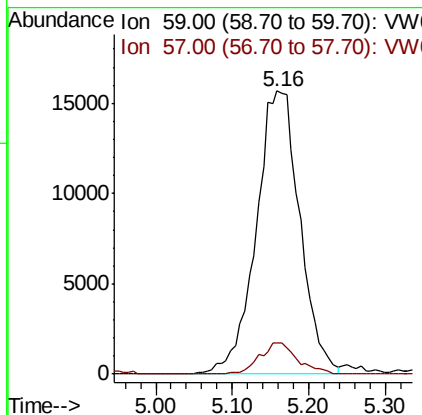
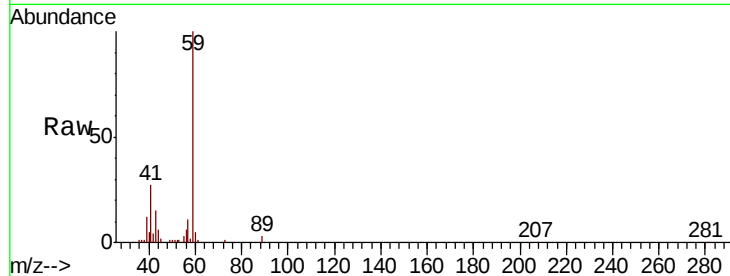


#11

Tert butyl alcohol
Concen: 147.928 ug/l
RT: 5.16 min Scan# 534
Delta R.T. -0.00 min
Lab File: VW014497.D
Acq: 03 Jan 2020 14:21

Instrument :
MSVOA_W
ClientSampleId :

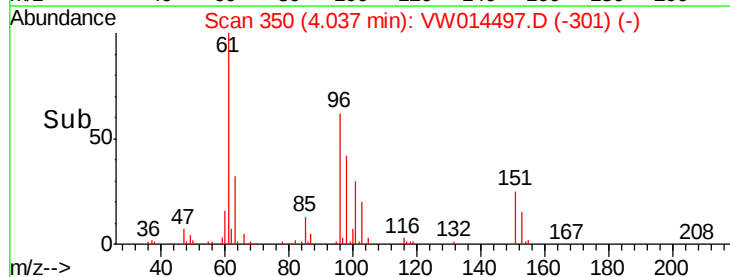
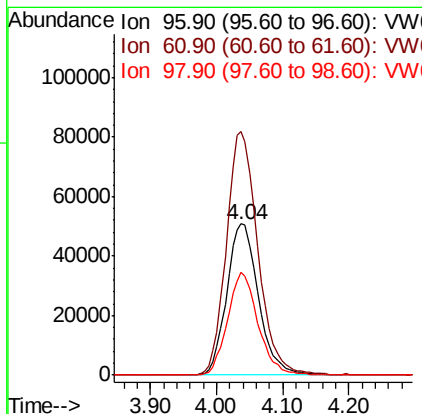
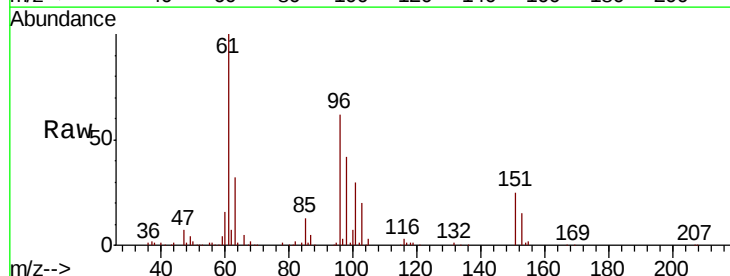
Tot Ion: 59 Resp: 62362
Ion Ratio Lower Upper
59 100
57 9.6 7.8 11.8

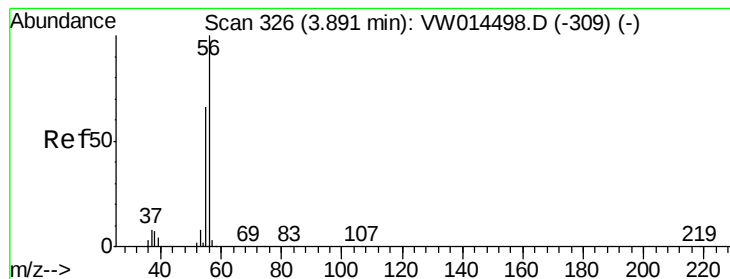


#12

1,1-Dichloroethene
Concen: 22.056 ug/l
RT: 4.04 min Scan# 350
Delta R.T. -0.00 min
Lab File: VW014497.D
Acq: 03 Jan 2020 14:21

Tgt Ion: 96 Resp: 169200
Ion Ratio Lower Upper
96 100
61 160.8 128.4 192.6
98 67.5 49.1 73.7





#13

Acrolein

Concen: 137.602 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.00 min

Lab File: VW014497.D

Acq: 03 Jan 2020 14:21

Instrument :

MSVOA_W

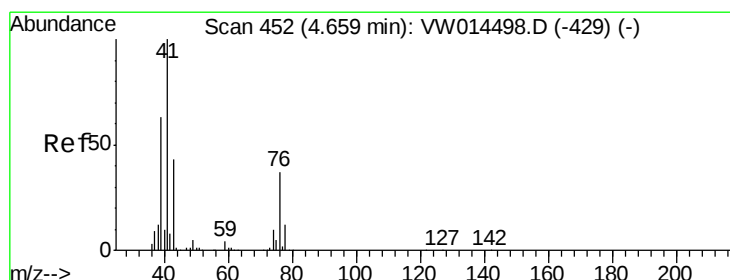
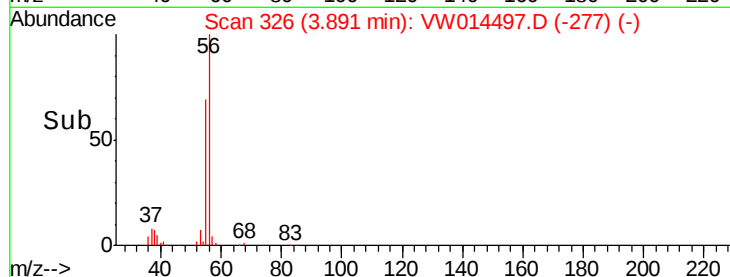
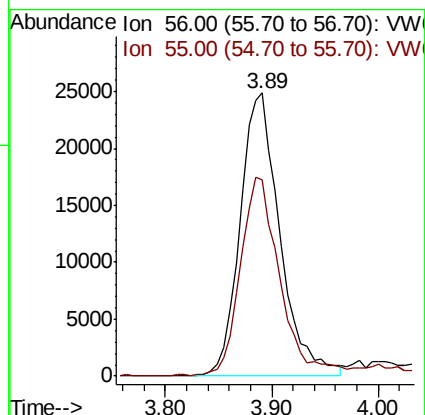
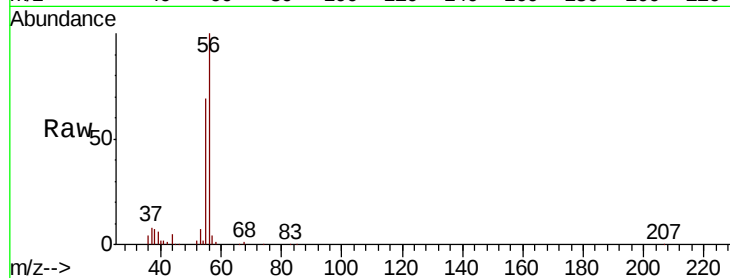
ClientSampleId :

Tot Ion: 56 Resp: 65310

Ion Ratio Lower Upper

56 100

55 68.8 56.7 85.1



#14

Allyl chloride

Concen: 21.456 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.00 min

Lab File: VW014497.D

Acq: 03 Jan 2020 14:21

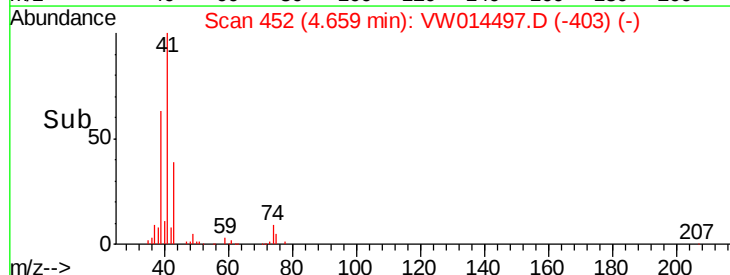
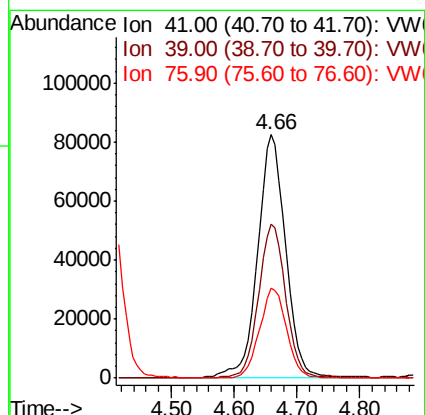
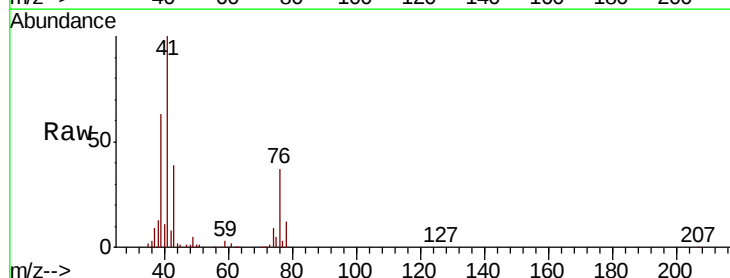
Tgt Ion: 41 Resp: 253403

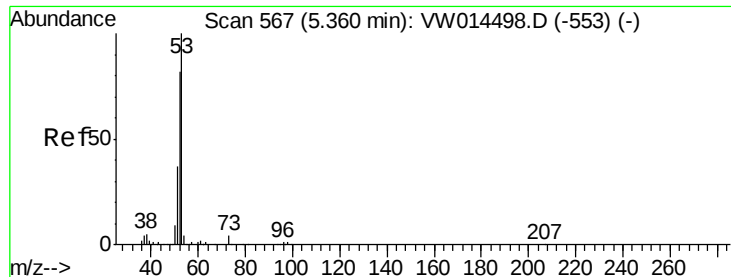
Ion Ratio Lower Upper

41 100

39 61.2 48.5 72.7

76 35.7 28.1 42.1





#15

Acrylonitrile

Concen: 127.347 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.01 min

Lab File: VW014497.D

Acq: 03 Jan 2020 14:21

Instrument :

MSVOA_W

ClientSampleId :

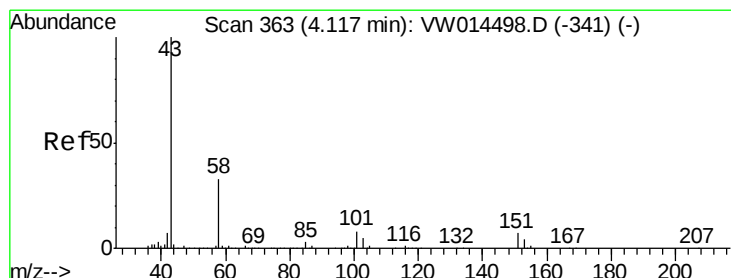
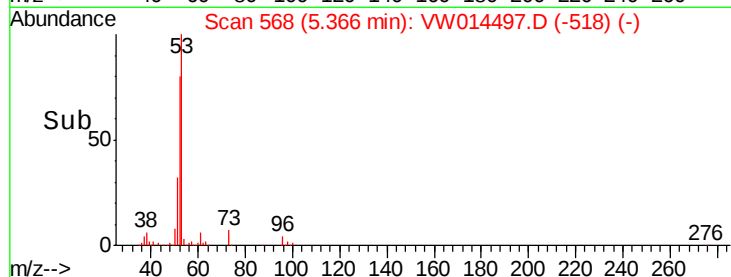
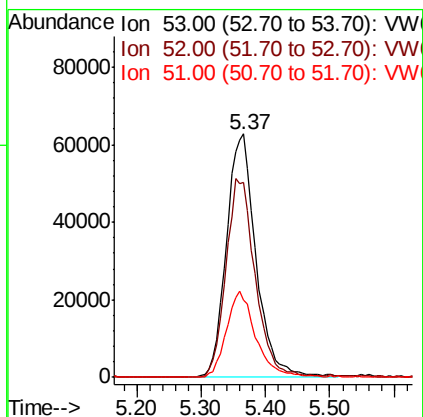
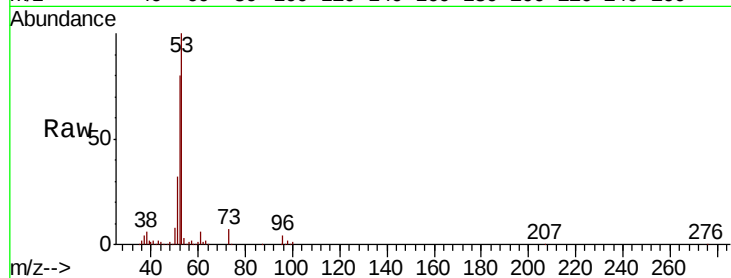
Tot Ion: 53 Resp: 202413

Ion Ratio Lower Upper

53 100

52 80.5 66.5 99.7

51 35.3 28.4 42.6



#16

Acetone

Concen: 118.415 ug/l

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

Lab File: VW014497.D

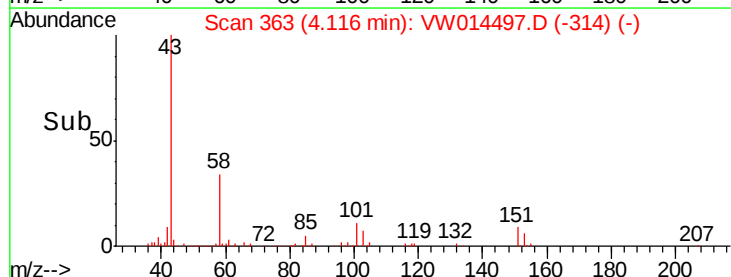
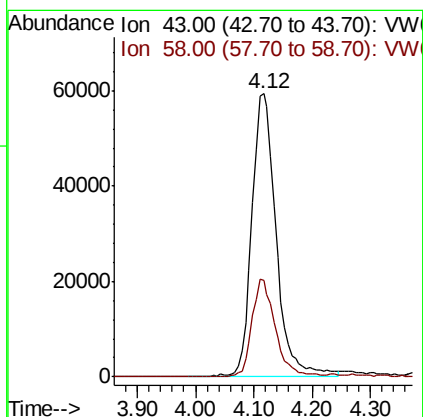
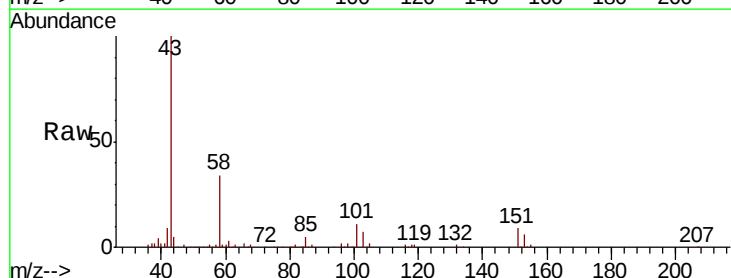
Acq: 03 Jan 2020 14:21

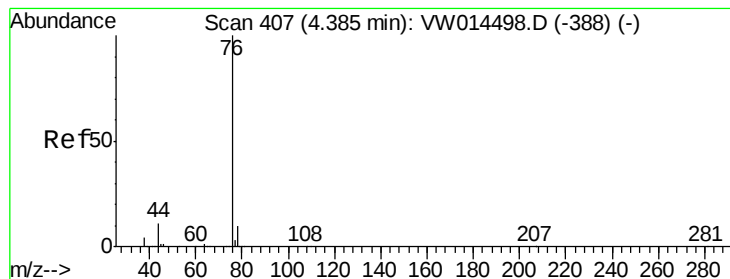
Tgt Ion: 43 Resp: 172823

Ion Ratio Lower Upper

43 100

58 33.9 26.6 39.8





#17

Carbon Disulfide

Concen: 23.042 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW014497.D

Acq: 03 Jan 2020 14:21

Instrument :

MSVOA_W

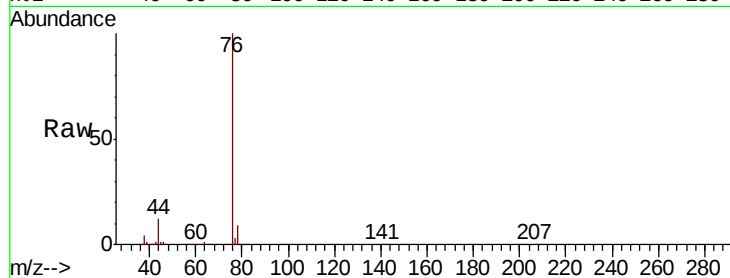
ClientSampled :

Tot Ion: 76 Resp: 511518

Ion Ratio Lower Upper

76 100

78 8.6 7.8 11.6



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW

4.38

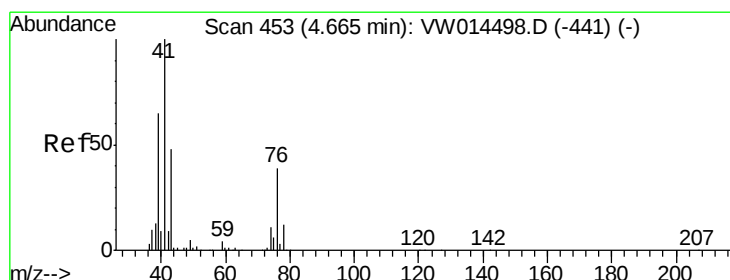
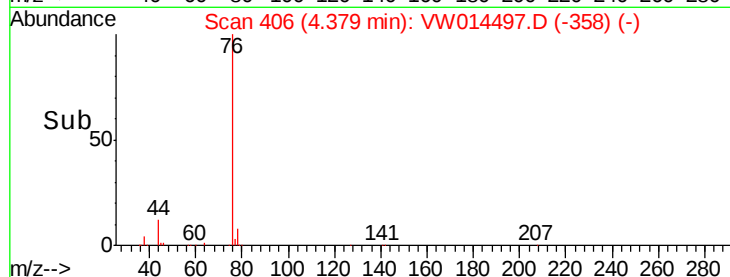
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 25.953 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW014497.D

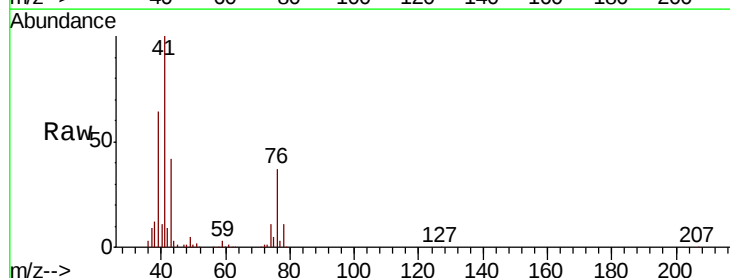
Acq: 03 Jan 2020 14:21

Tgt Ion: 43 Resp: 103602

Ion Ratio Lower Upper

43 100

74 24.0 19.3 28.9



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

4.67

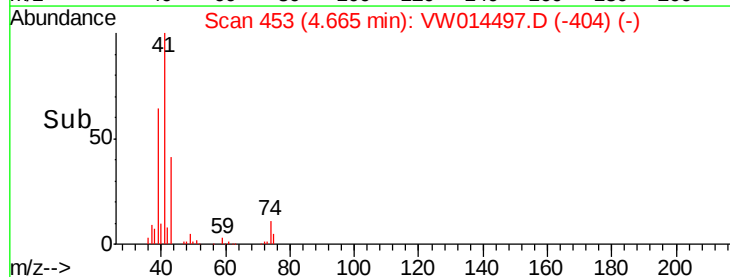
30000

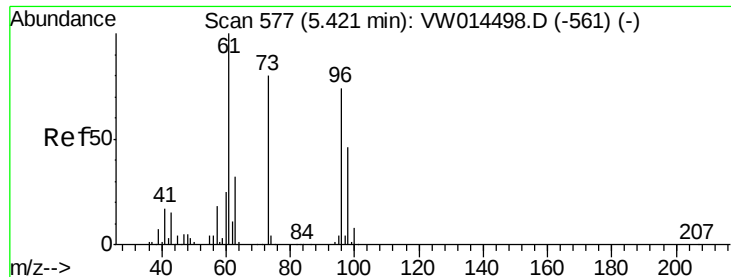
20000

10000

0

Time-->

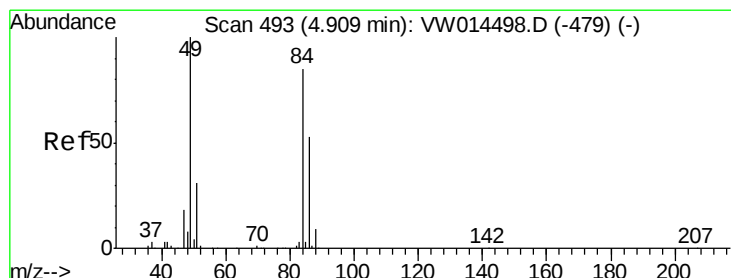
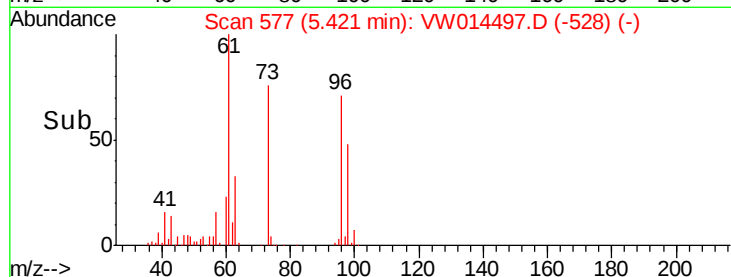
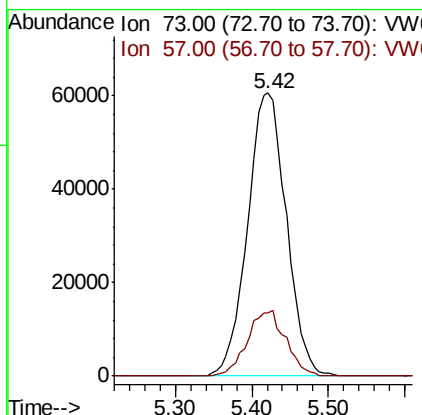
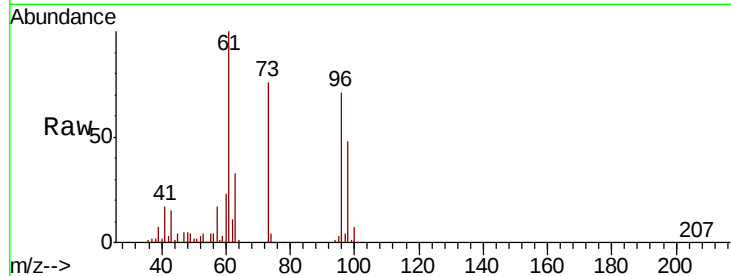




#19
Methvl tert-butvl Ether
Concen: 22.892 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW014497.D
Acq: 03 Jan 2020 14:21

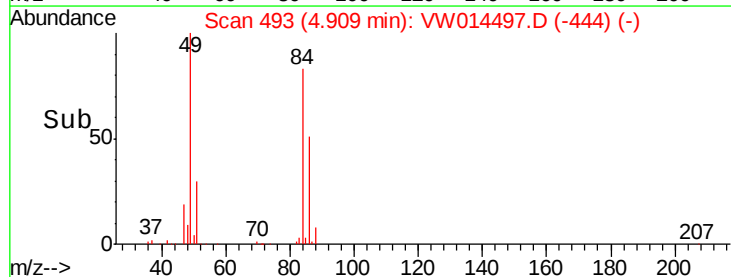
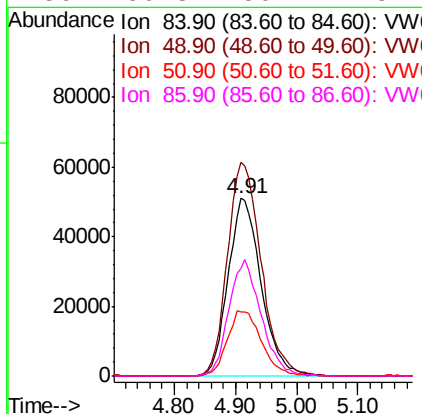
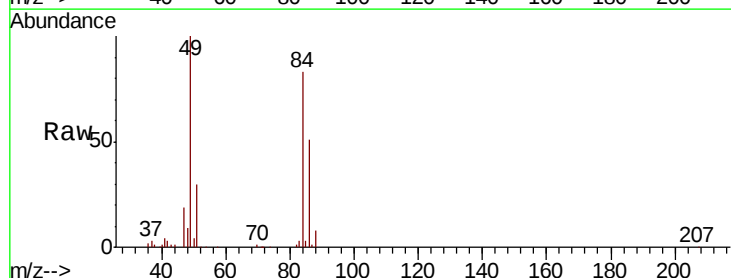
Instrument :
MSVOA_W
ClientSampleId :

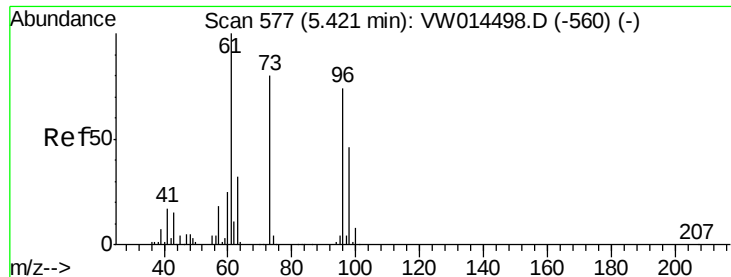
Tot Ion: 73 Resp: 213859
Ion Ratio Lower Upper
73 100
57 22.2 18.1 27.1



#20
Methylene Chloride
Concen: 22.135 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.00 min
Lab File: VW014497.D
Acq: 03 Jan 2020 14:21

Tgt Ion: 84 Resp: 190398
Ion Ratio Lower Upper
84 100
49 120.3 94.4 141.6
51 36.3 29.5 44.3
86 60.8 50.2 75.2





#21

trans-1,2-Dichloroethene

Concen: 21.866 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW014497.D

Acq: 03 Jan 2020 14:21

Instrument :

MSVOA_W

ClientSampleId :

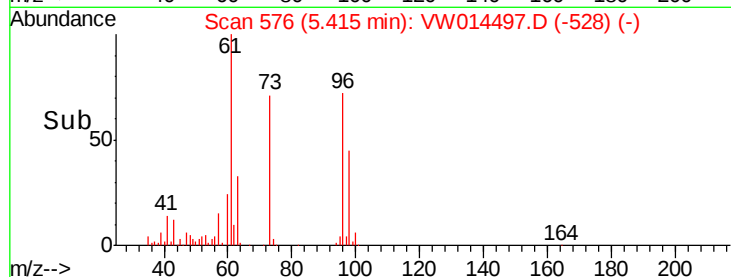
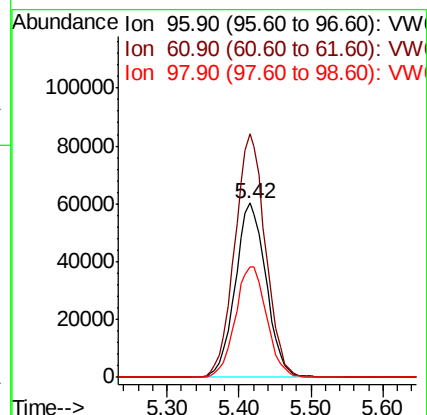
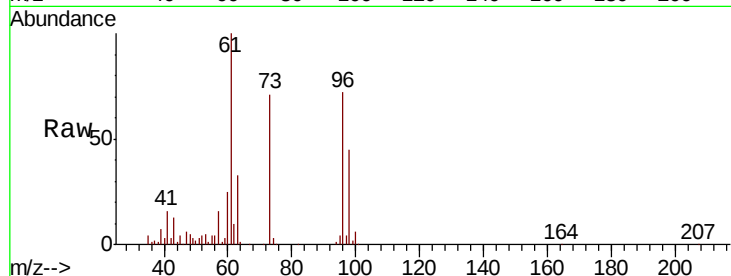
Tot Ion: 96 Resp: 179942

Ion Ratio Lower Upper

96 100

61 139.8 107.8 161.6

98 63.3 49.4 74.0



#22

Diisopropyl ether

Concen: 23.043 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.00 min

Lab File: VW014497.D

Acq: 03 Jan 2020 14:21

Tgt Ion: 45 Resp: 497908

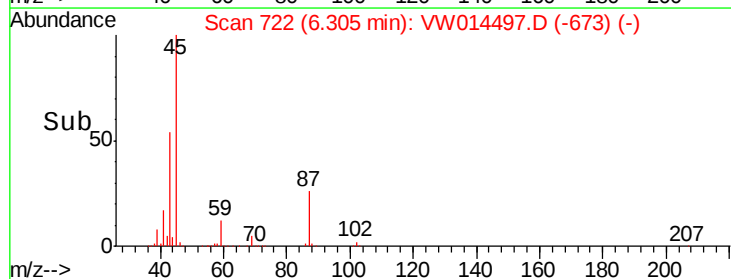
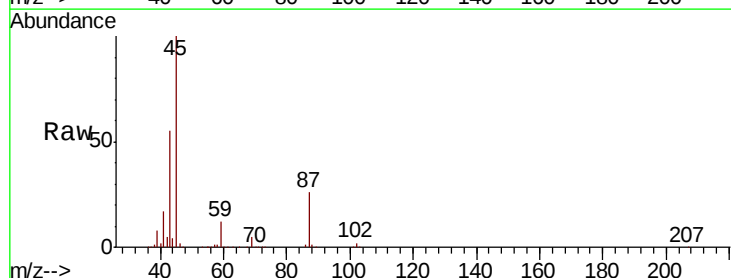
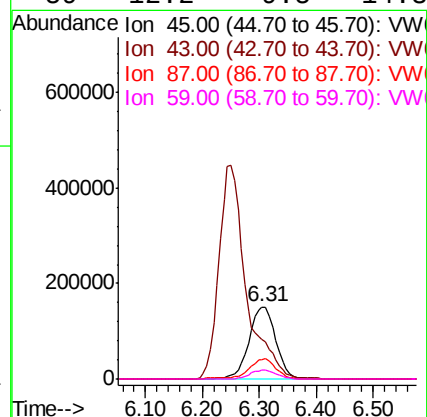
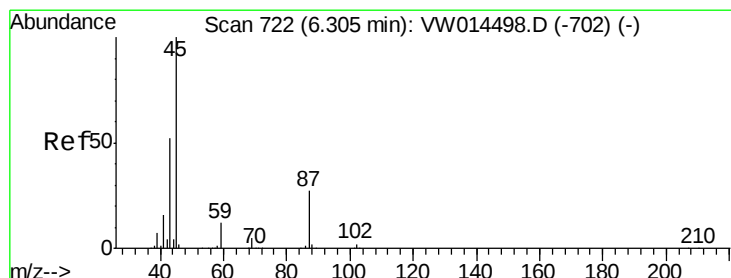
Ion Ratio Lower Upper

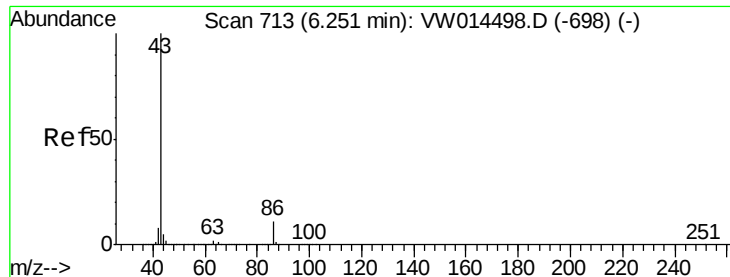
45 100

43 54.3 41.4 62.0

87 26.2 22.2 33.2

59 12.2 9.5 14.3





#23

Vinyl Acetate

Concen: 116.455 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

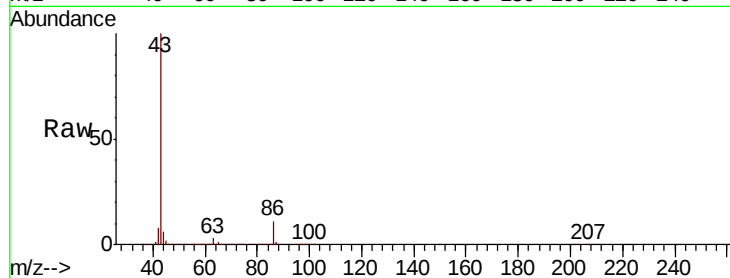
Lab File: VW014497.D

Acq: 03 Jan 2020 14:21

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 1488691

Ion	Ratio	Lower	Upper
43	100		
86	11.0	8.8	13.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW

6.25

400000

300000

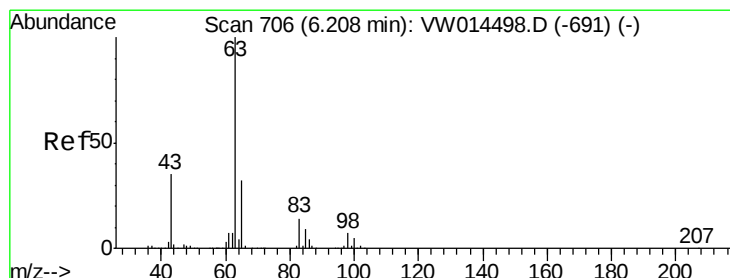
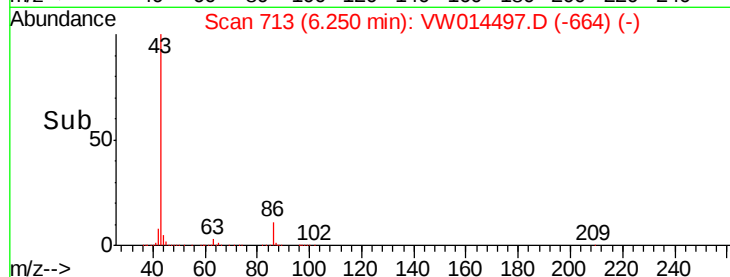
200000

100000

0

6.20 6.40

Time-->



#24

1,1-Dichloroethane

Concen: 22.517 ug/l

RT: 6.21 min Scan# 707

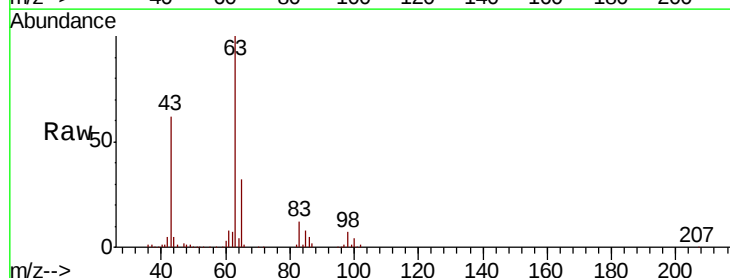
Delta R.T. 0.01 min

Lab File: VW014497.D

Acq: 03 Jan 2020 14:21

Tgt Ion: 63 Resp: 307309

Ion	Ratio	Lower	Upper
63	100		
98	6.7	3.5	10.4
100	4.4	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

6.21

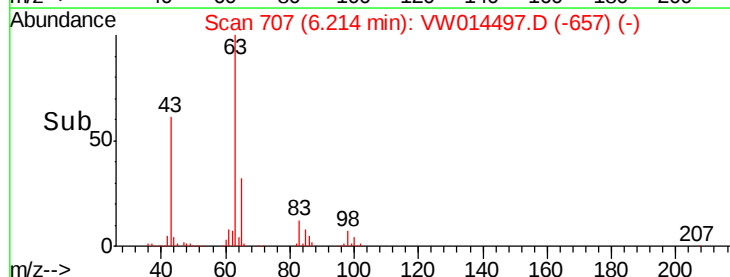
100000

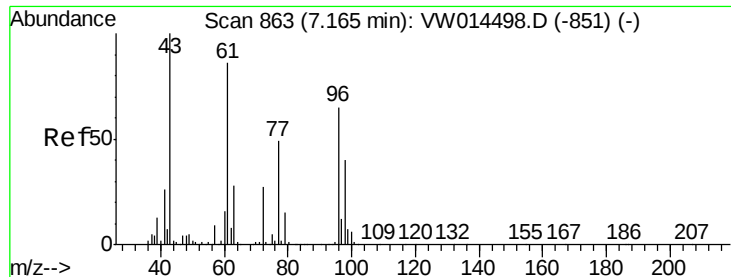
50000

0

6.10 6.20 6.30

Time-->





#25

2-Butanone

Concen: 121.927 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW014497.D

Acq: 03 Jan 2020 14:21

Instrument :

MSVOA_W

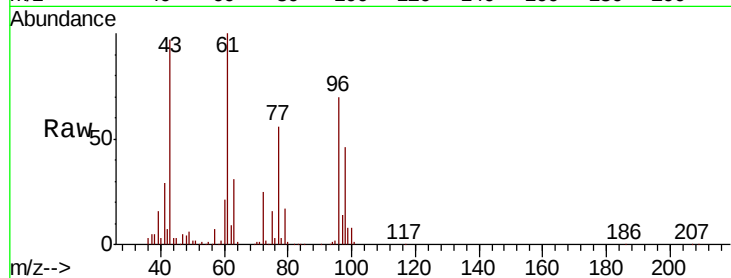
ClientSampled :

Tot Ion: 43 Resp: 254970

Ion Ratio Lower Upper

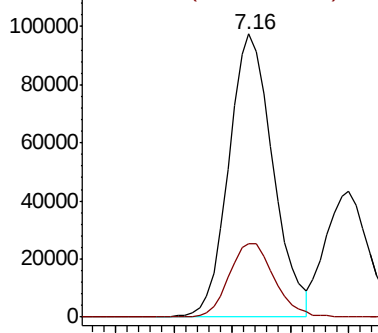
43 100

72 25.8 21.9 32.9

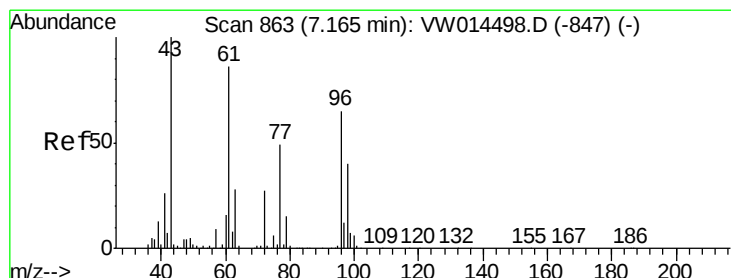
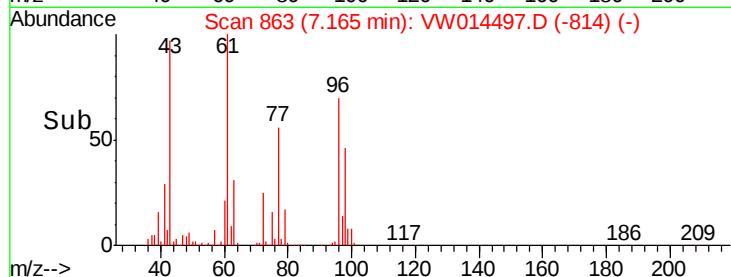


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



Time-->



#26

2,2-Dichloropropane

Concen: 21.516 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW014497.D

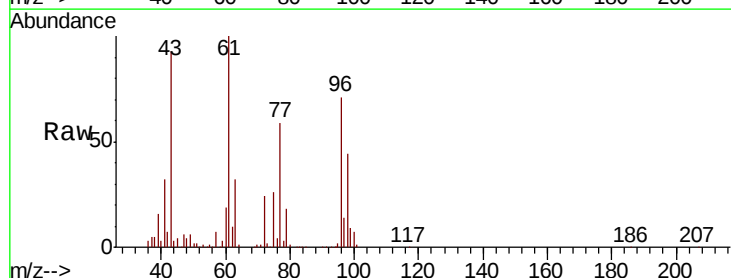
Acq: 03 Jan 2020 14:21

Tgt Ion: 77 Resp: 168402

Ion Ratio Lower Upper

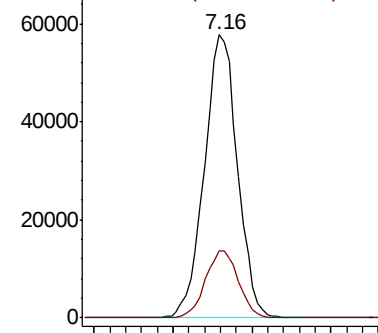
77 100

97 23.6 12.5 37.5

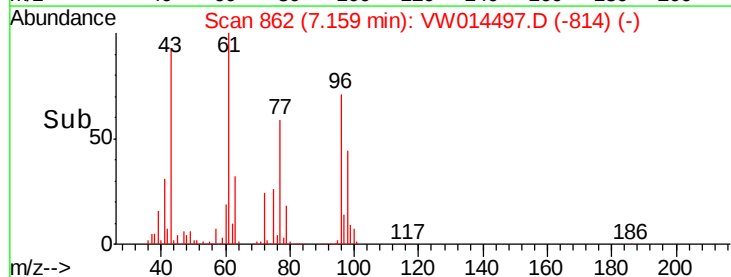


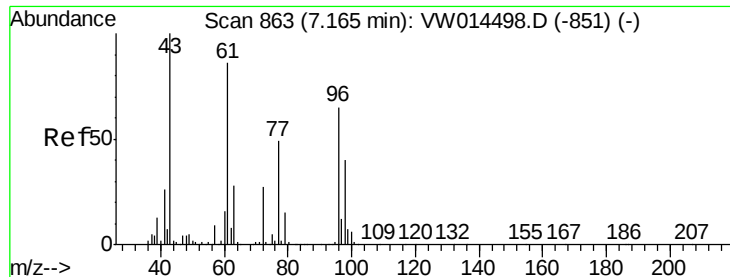
Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW



Time-->



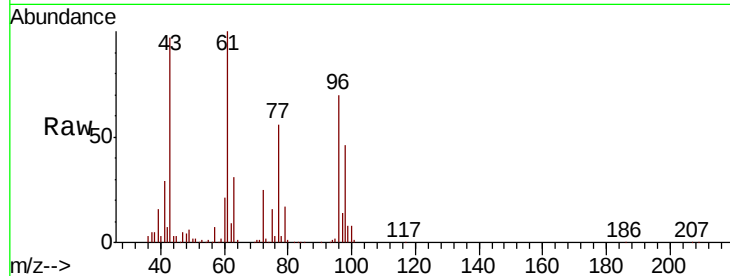


#27

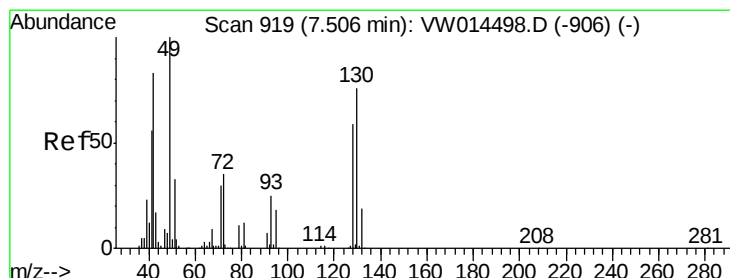
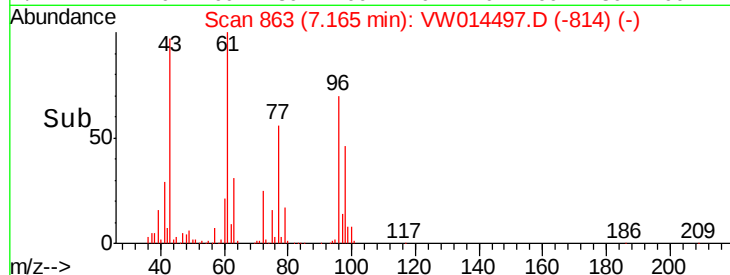
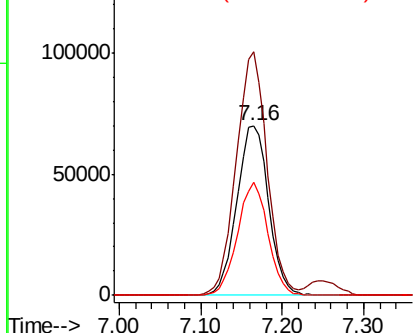
cis-1,2-Dichloroethene
Concen: 21.646 ug/l
RT: 7.16 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW014497.D
Acq: 03 Jan 2020 14:21

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
96	100		
61	139.3	0.0	274.8
98	63.9	0.0	128.6



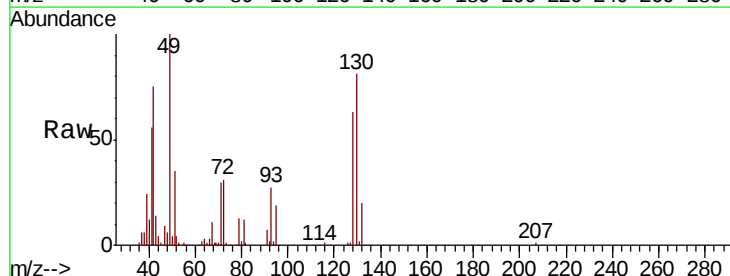
Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



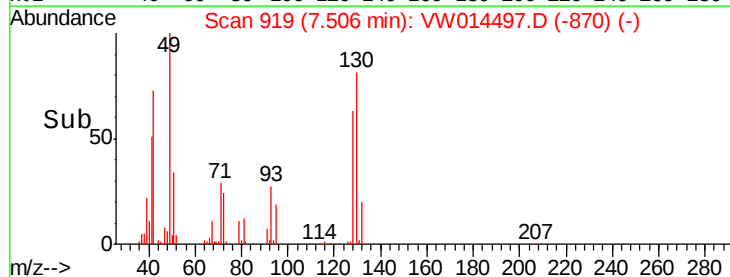
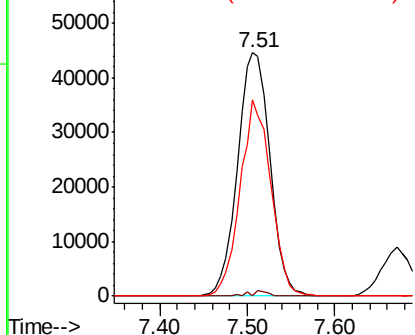
#28

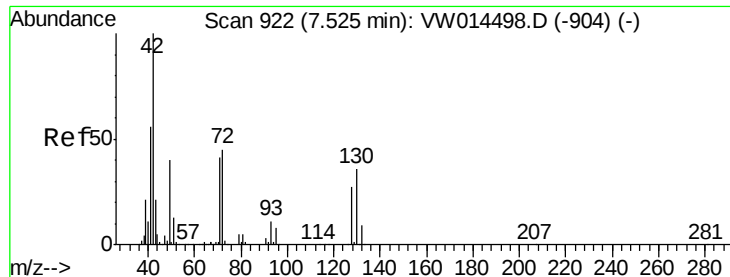
Bromochloromethane
Concen: 25.145 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.00 min
Lab File: VW014497.D
Acq: 03 Jan 2020 14:21

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.2	0.0	2.0
130	76.3	62.5	93.7



Abundance Ion 48.90 (48.60 to 49.60): VW
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 131.526 ug/l

RT: 7.52 min Scan# 922

Delta R.T. -0.00 min

Lab File: VW014497.D

Acq: 03 Jan 2020 14:21

Instrument :

MSVOA_W

ClientSampleId :

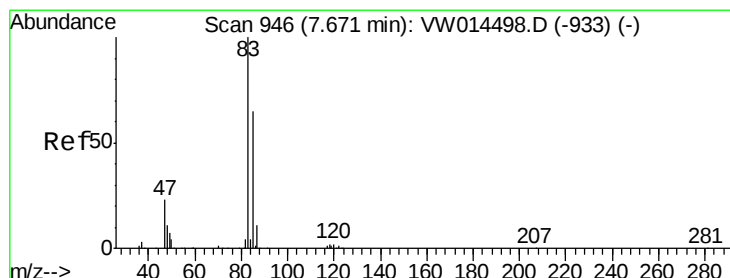
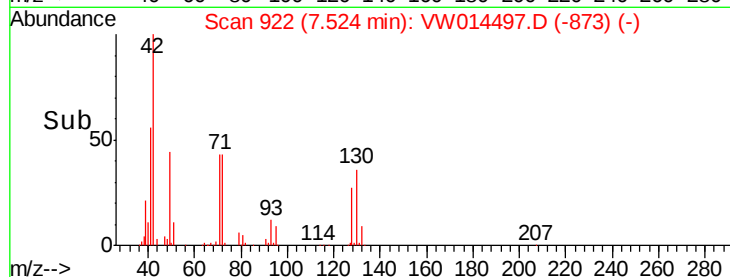
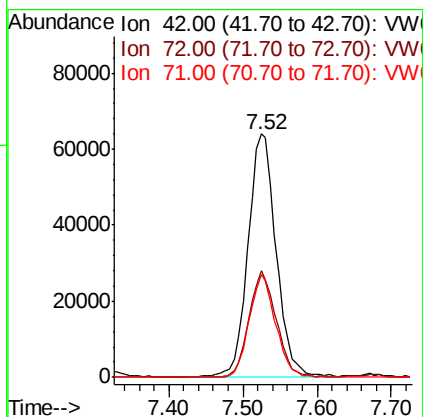
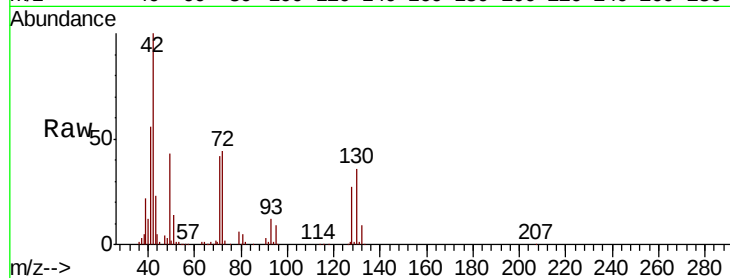
Tot Ion: 42 Resp: 170478

Ion Ratio Lower Upper

42 100

72 42.3 34.5 51.7

71 39.4 32.0 48.0



#30

Chloroform

Concen: 21.644 ug/l

RT: 7.67 min Scan# 946

Delta R.T. -0.00 min

Lab File: VW014497.D

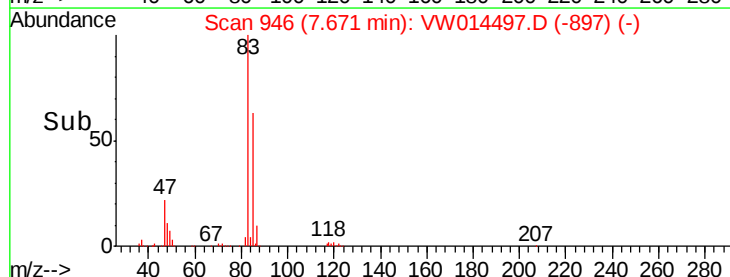
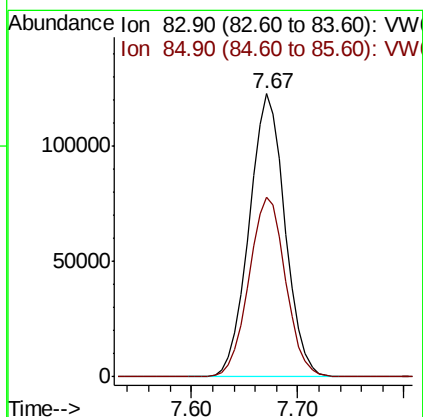
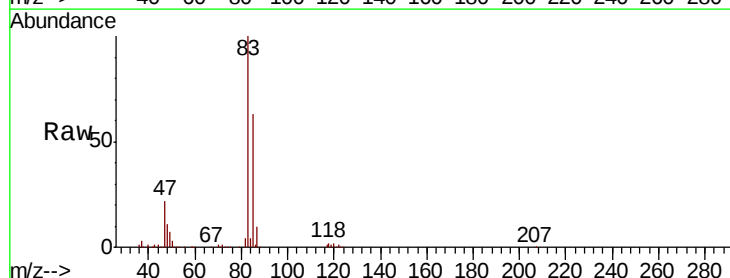
Acq: 03 Jan 2020 14:21

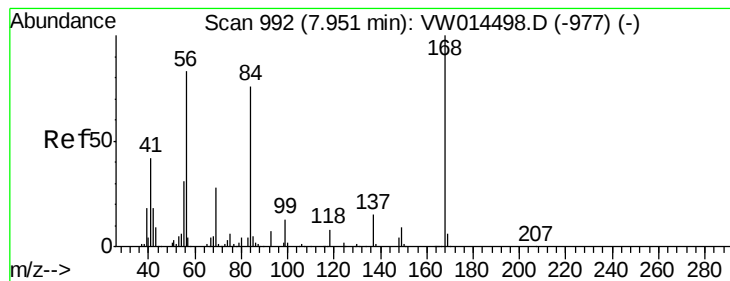
Tgt Ion: 83 Resp: 290114

Ion Ratio Lower Upper

83 100

85 63.4 52.2 78.2





#31

Cvclohexane

Concen: 22.150 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

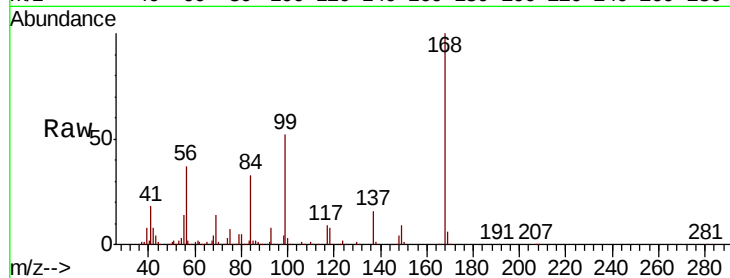
Lab File: VW014497.D

Acq: 03 Jan 2020 14:21

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 56 Resp: 316100

Ion	Ratio	Lower	Upper
56	100		
69	37.2	26.8	40.2
84	89.4	71.8	107.6

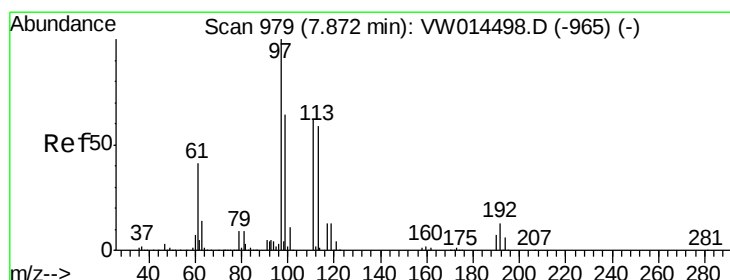
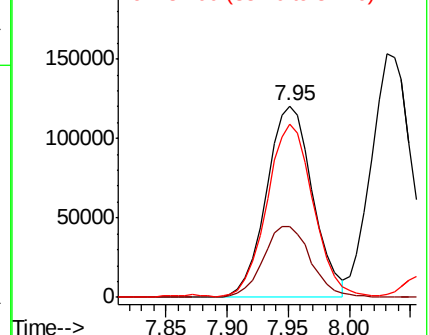
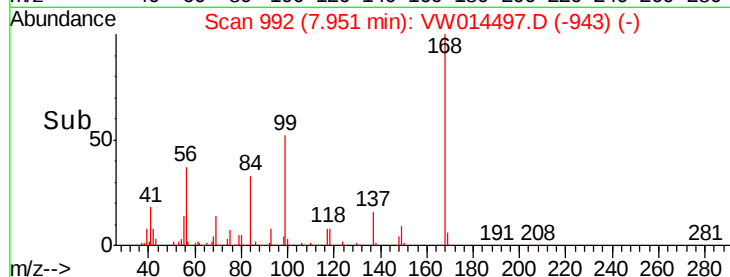


Abundance

Ion 56.00 (55.70 to 56.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 84.00 (83.70 to 84.70): VW



#32

1,1,1-Trichloroethane

Concen: 22.071 ug/l

RT: 7.87 min Scan# 978

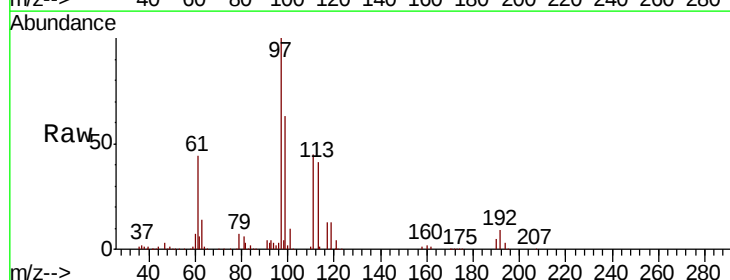
Delta R.T. -0.01 min

Lab File: VW014497.D

Acq: 03 Jan 2020 14:21

Tgt Ion: 97 Resp: 233003

Ion	Ratio	Lower	Upper
97	100		
99	64.2	51.8	77.6
61	43.1	33.8	50.8

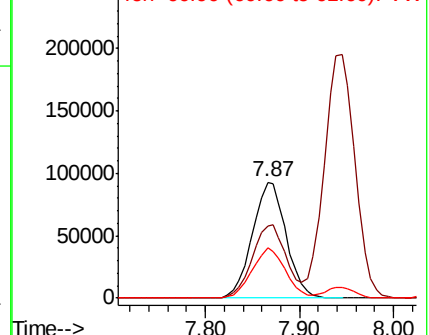
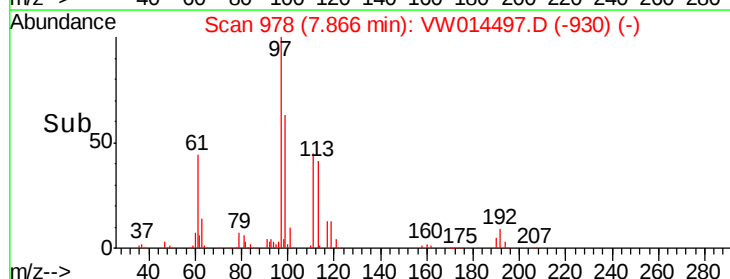


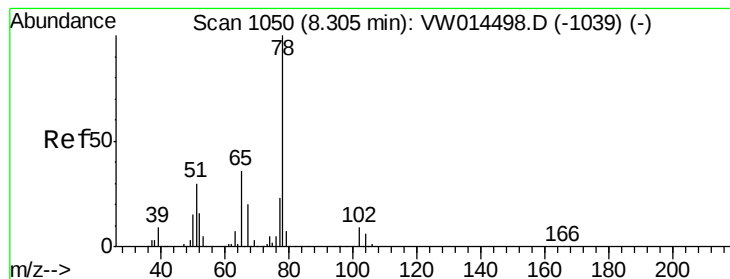
Abundance

Ion 96.90 (96.60 to 97.60): VW

Ion 98.90 (98.60 to 99.60): VW

Ion 60.90 (60.60 to 61.60): VW





#33

1,2-Dichloroethane-d4

Concen: 23.068 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VW014497.D

Acq: 03 Jan 2020 14:21

Instrument :

MSVOA_W

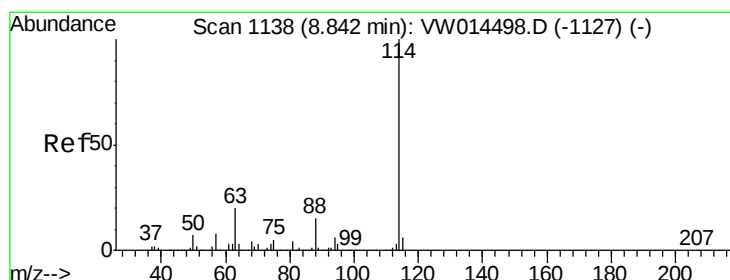
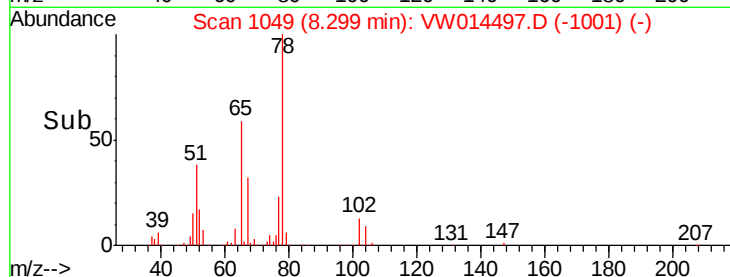
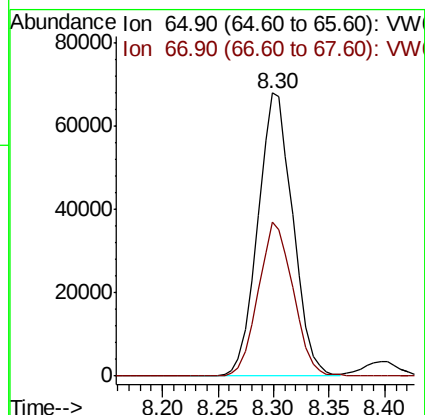
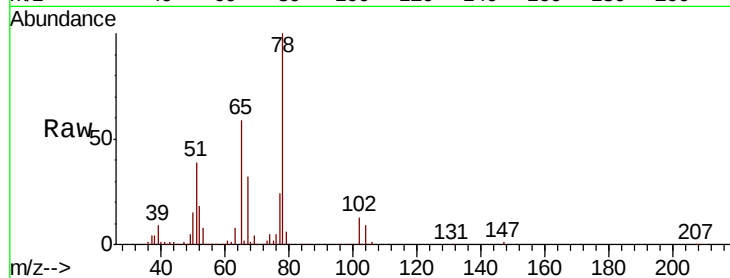
ClientSampleId :

Tot Ion: 65 Resp: 148516

Ion Ratio Lower Upper

65 100

67 54.2 0.0 108.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW014497.D

Acq: 03 Jan 2020 14:21

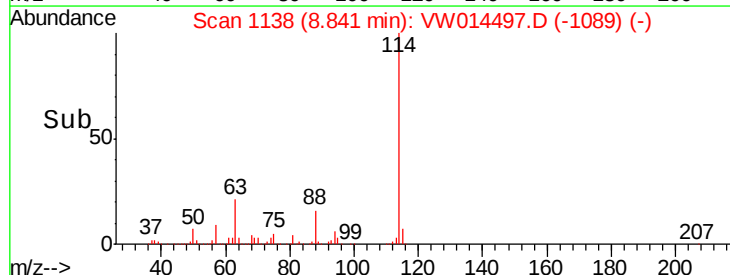
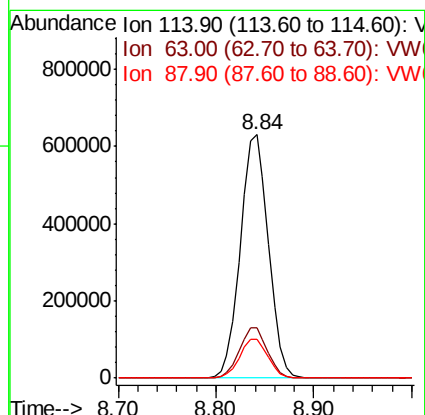
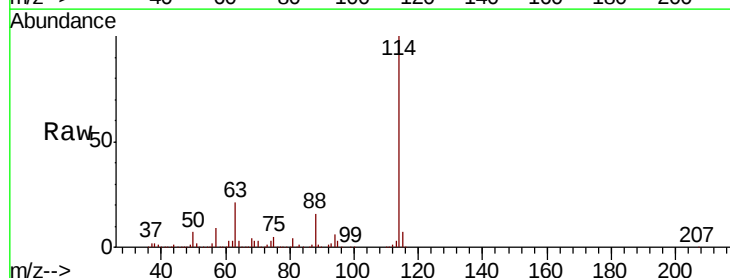
Tgt Ion: 114 Resp: 1255262

Ion Ratio Lower Upper

114 100

63 20.5 0.0 40.4

88 16.0 0.0 30.6

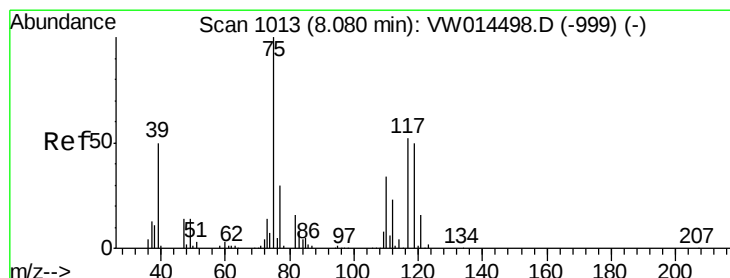
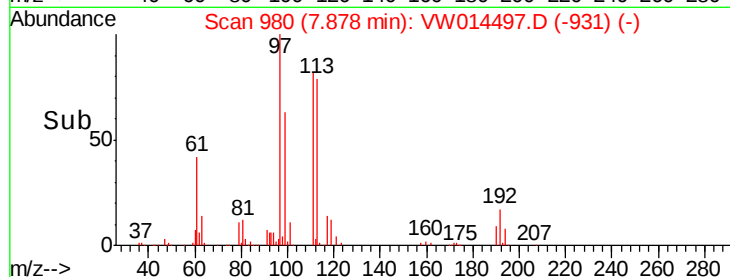
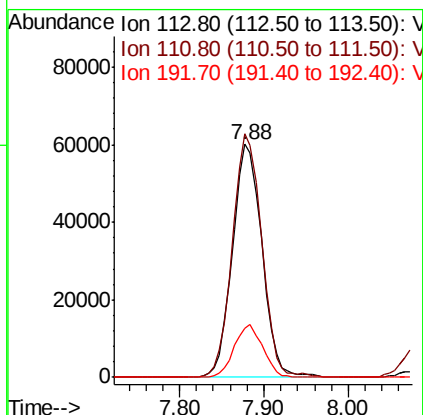
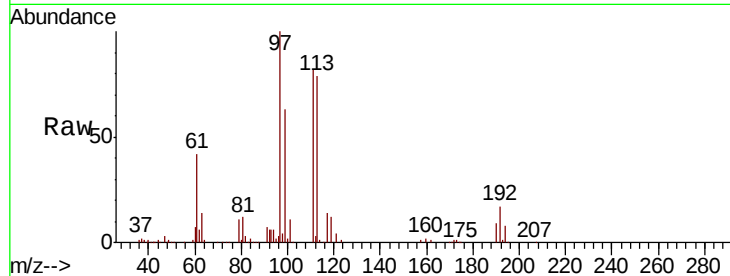




#35
 Dibromofluoromethane
 Concen: 20.528 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.00 min
 Lab File: VW014497.D
 Acq: 03 Jan 2020 14:21

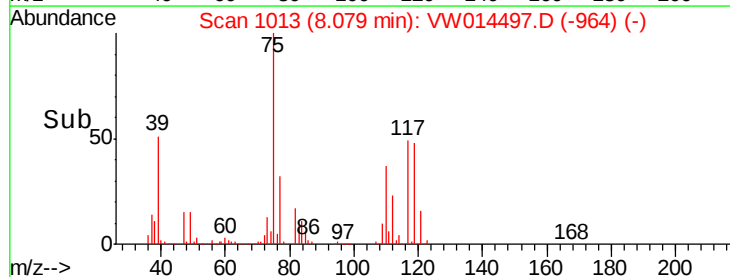
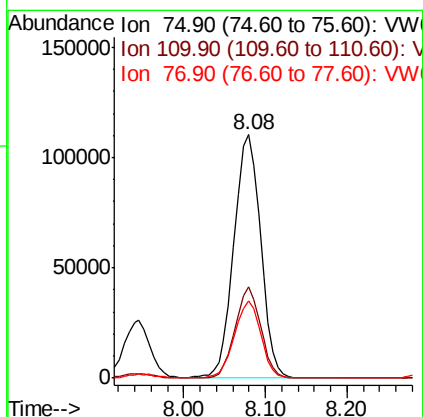
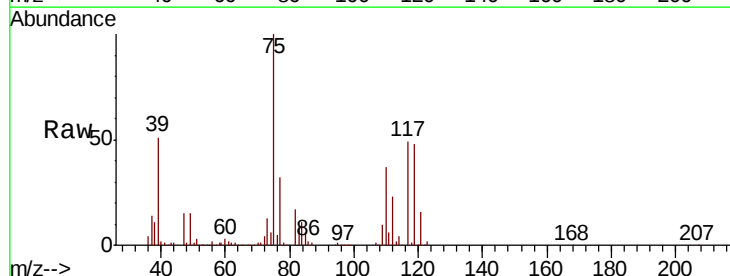
Instrument :
 MSVOA_W
 ClientSampleId :

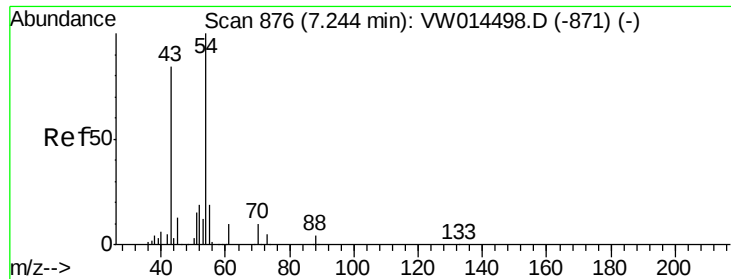
Tot Ion	Ratio	Lower	Upper
113	100		
111	104.2	81.4	122.2
192	21.7	17.8	26.8



#36
 1,1-Dichloropropene
 Concen: 21.282 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW014497.D
 Acq: 03 Jan 2020 14:21

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.5	17.8	53.5
77	31.4	24.7	37.1

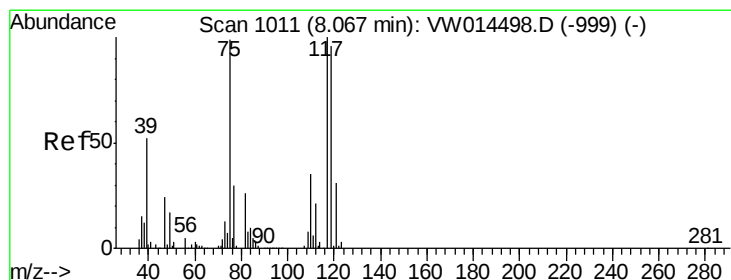
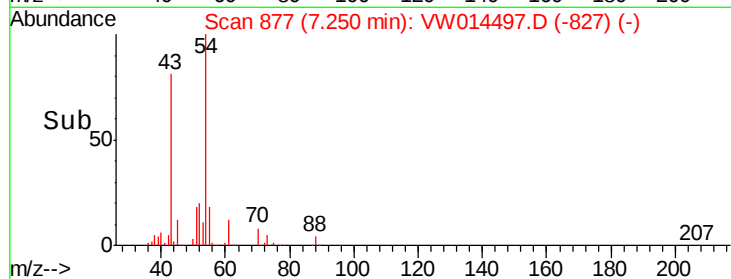
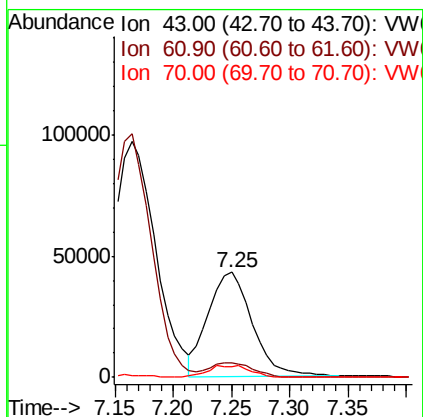
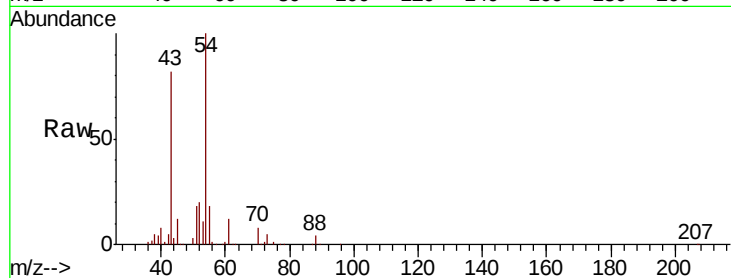




#37
Ethyl Acetate
Concen: 23.632 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.01 min
Lab File: VW014497.D
Acq: 03 Jan 2020 14:21

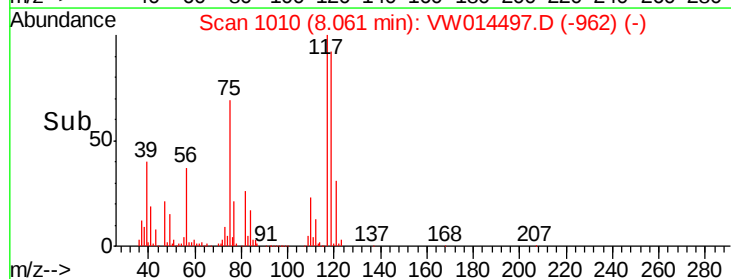
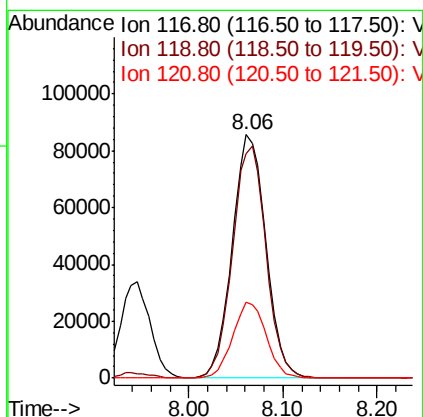
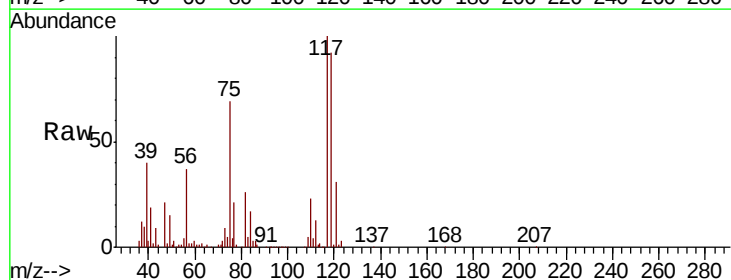
Instrument :
MSVOA_W
ClientSampleId :

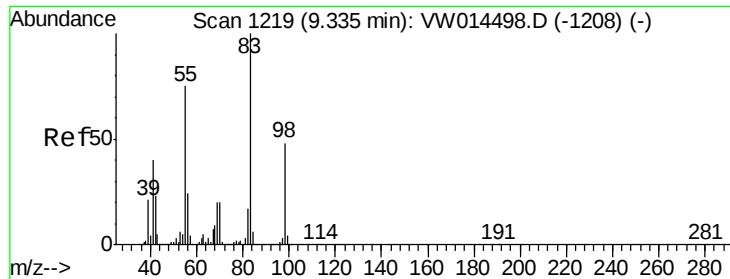
Tot Ion: 43 Resp: 112777
Ion Ratio Lower Upper
43 100
61 13.8 11.7 17.5
70 11.3 9.0 13.6



#38
Carbon Tetrachloride
Concen: 20.282 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW014497.D
Acq: 03 Jan 2020 14:21

Tgt Ion: 117 Resp: 213701
Ion Ratio Lower Upper
117 100
119 91.9 77.0 115.6
121 31.0 24.6 36.8

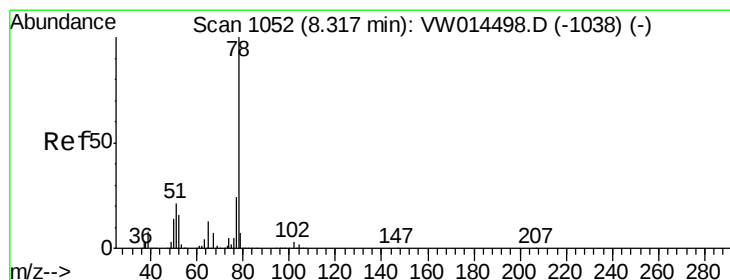
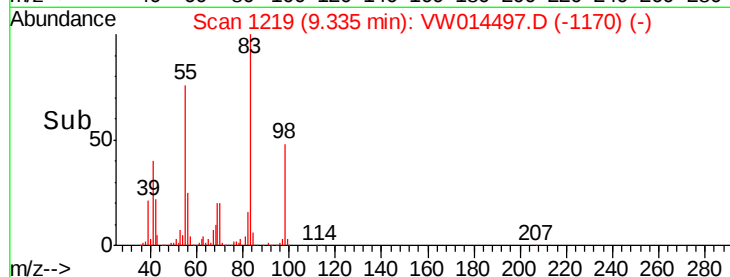
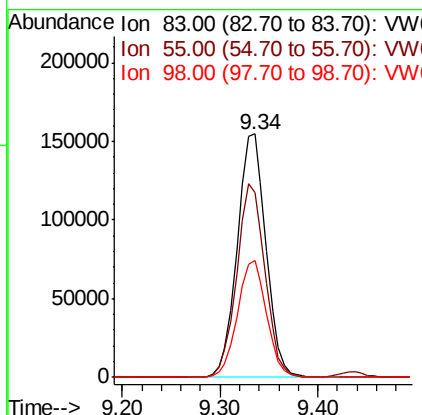
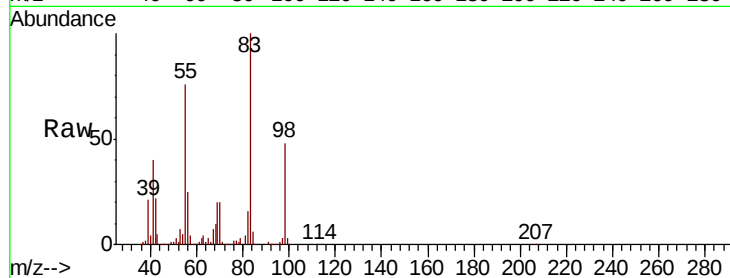




#39
Methvlcvclohexane
Concen: 20.862 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW014497.D
Acq: 03 Jan 2020 14:21

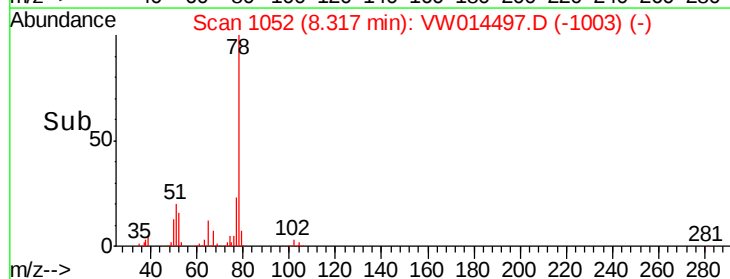
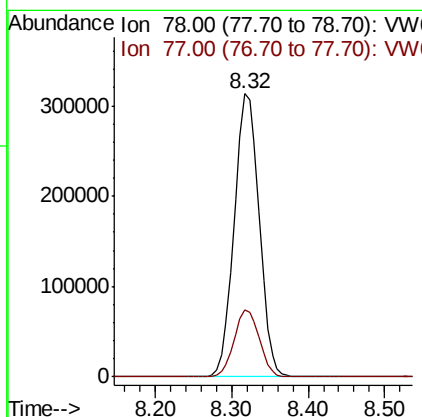
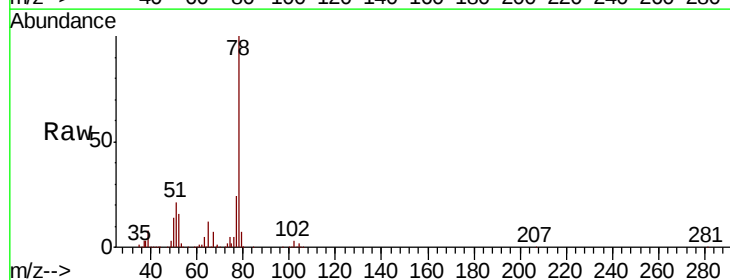
Instrument :
MSVOA_W
ClientSampled :

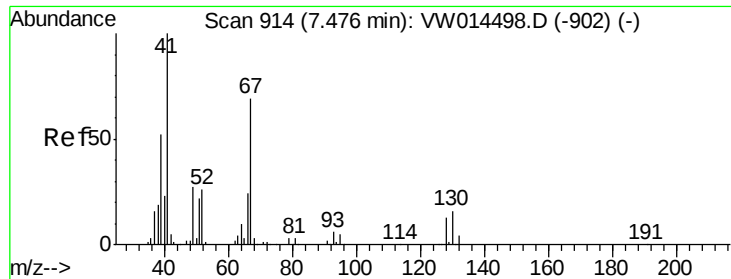
Tot Ion: 83 Resp: 315682
Ion Ratio Lower Upper
83 100
55 75.9 60.1 90.1
98 47.8 38.8 58.2



#40
Benzene
Concen: 21.297 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.00 min
Lab File: VW014497.D
Acq: 03 Jan 2020 14:21

Tgt Ion: 78 Resp: 708473
Ion Ratio Lower Upper
78 100
77 23.6 19.3 28.9

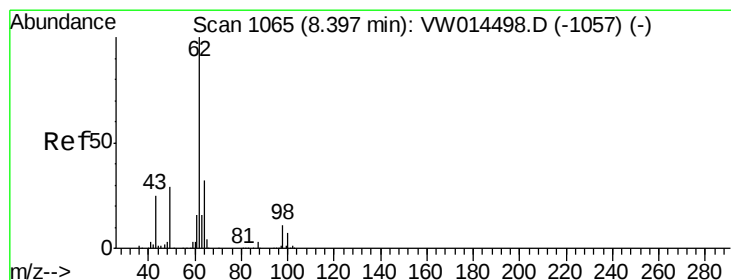
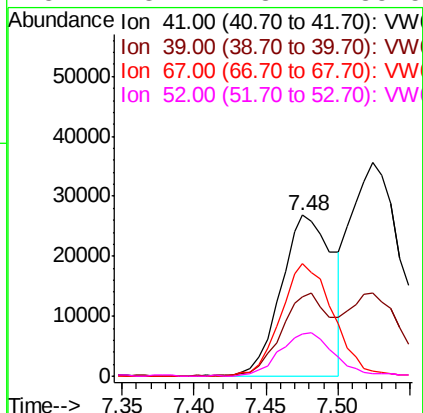
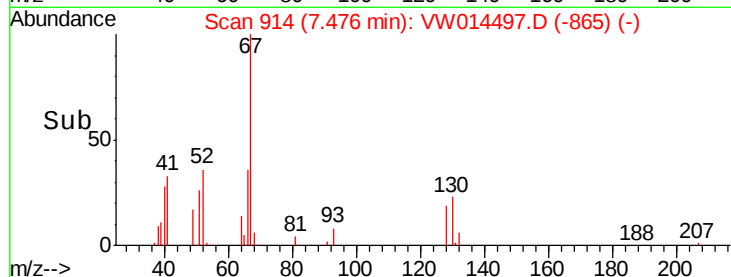
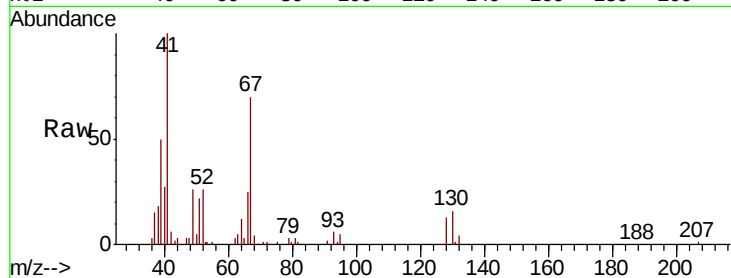




#41
Methacrylonitrile
Concen: 23.031 ug/l
RT: 7.48 min Scan# 914
Delta R.T. -0.00 min
Lab File: VW014497.D
Acq: 03 Jan 2020 14:21

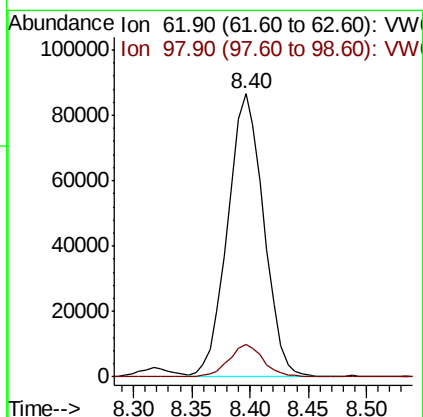
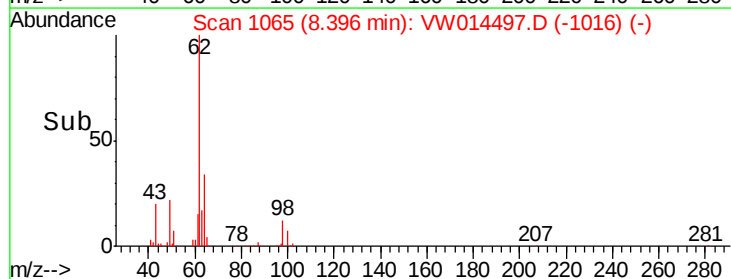
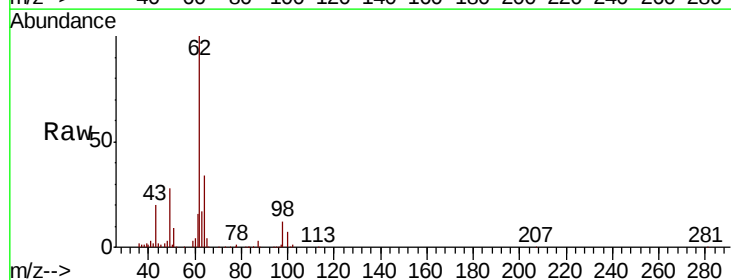
Instrument :
MSVOA_W
ClientSampled :

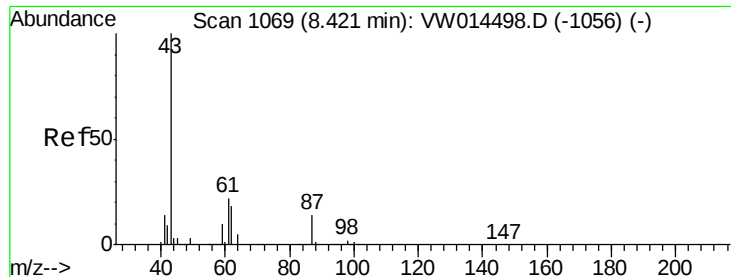
Tot Ion:	41	Resp:	67233
Ion	Ratio	Lower	Upper
41	100		
39	50.6	46.0	69.0
67	71.1	60.8	91.2
52	28.7	23.7	35.5



#42
1,2-Dichloroethane
Concen: 22.011 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW014497.D
Acq: 03 Jan 2020 14:21

Tgt Ion:	62	Resp:	186064
Ion	Ratio	Lower	Upper
62	100		
98	11.0	0.0	22.0





#43

Isopropyl Acetate

Concen: 22.663 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW014497.D

Acq: 03 Jan 2020 14:21

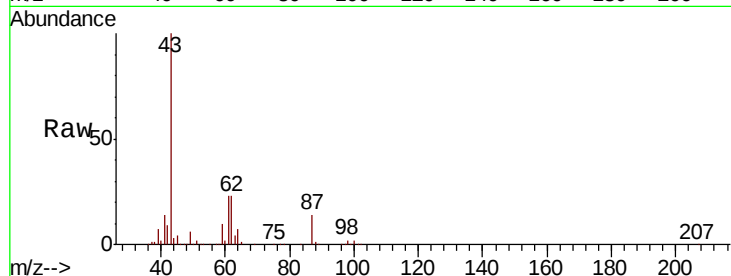
Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 43 Resp: 202890

Ion	Ratio	Lower	Upper
43	100		
61	30.7	24.7	37.1
87	13.5	11.1	16.7

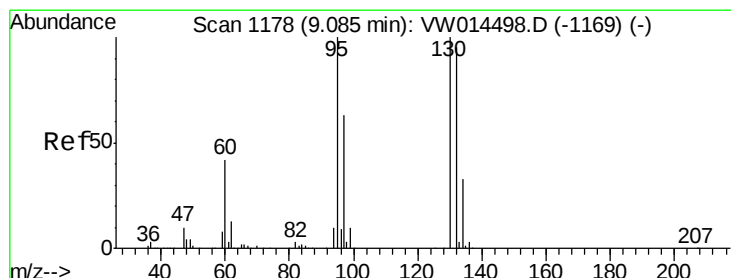
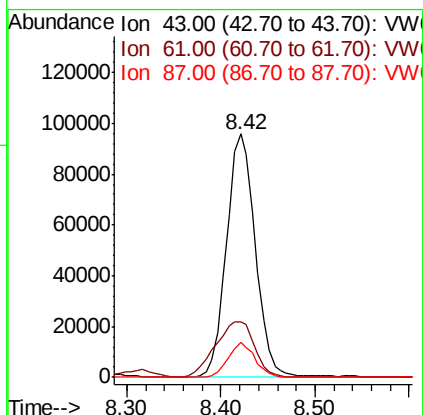
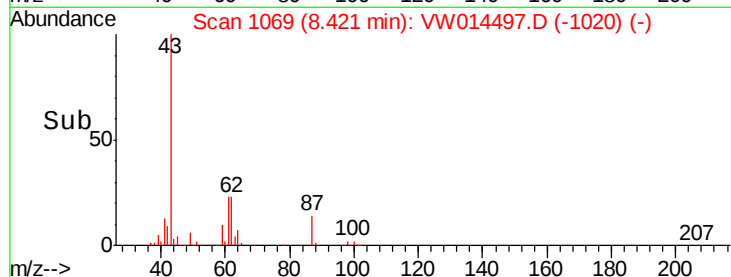


Abundance

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: 20.127 ug/l

RT: 9.09 min Scan# 1179

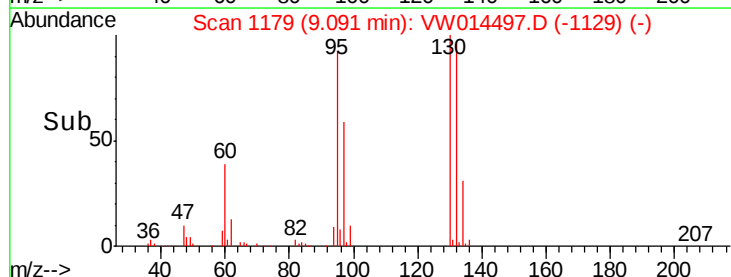
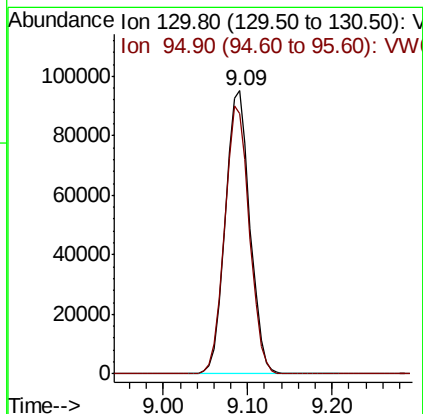
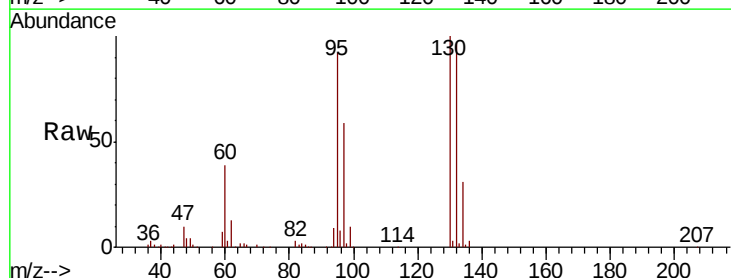
Delta R.T. 0.01 min

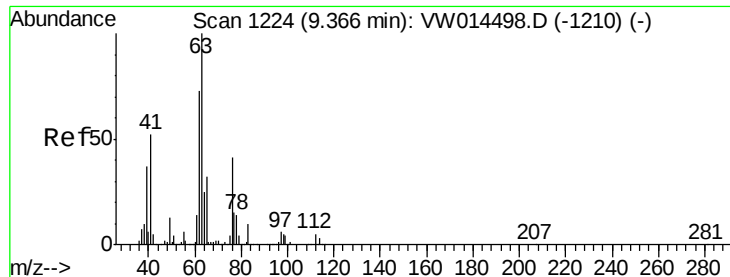
Lab File: VW014497.D

Acq: 03 Jan 2020 14:21

Tgt Ion:130 Resp: 189542

Ion	Ratio	Lower	Upper
130	100		
95	92.1	0.0	199.4

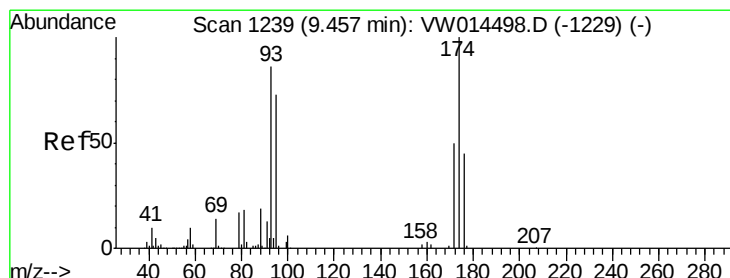
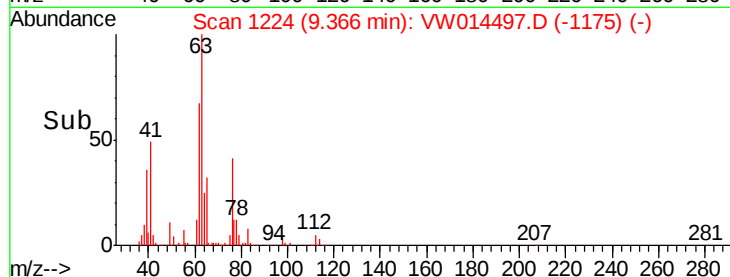
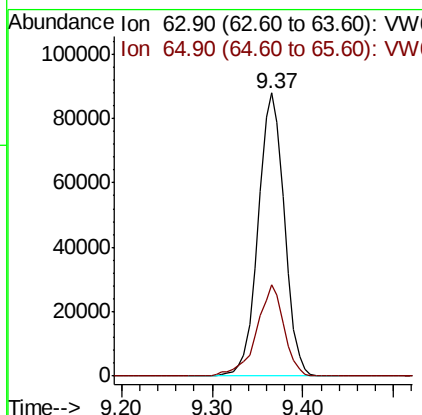
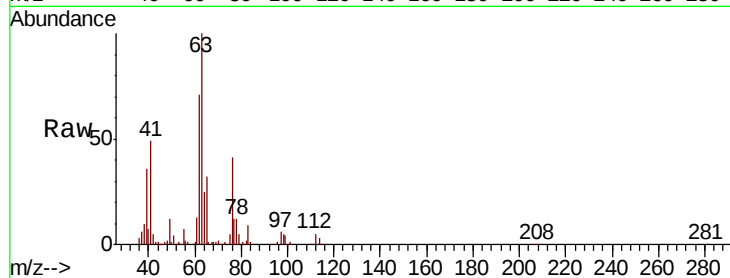




#45
 1,2-Dichloropropane
 Concen: 21.946 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW014497.D
 Acq: 03 Jan 2020 14:21

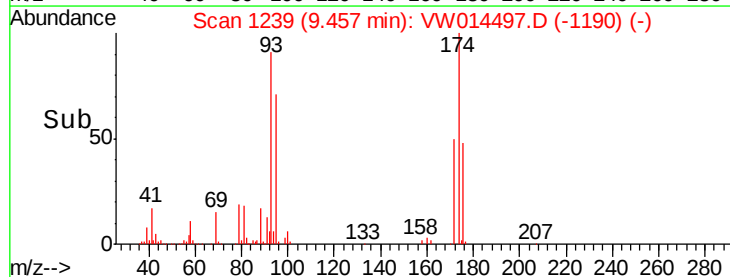
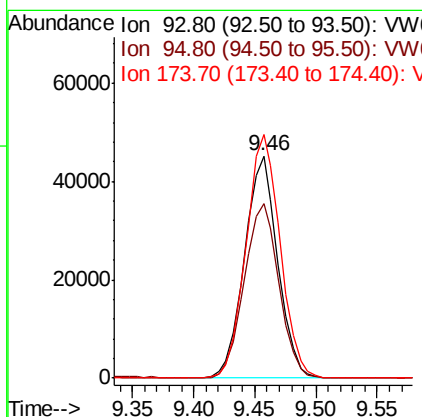
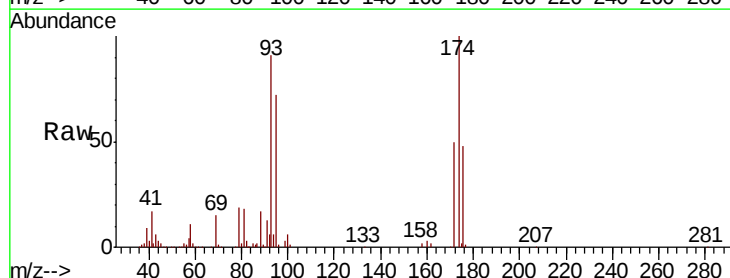
Instrument :
 MSVOA_W
 ClientSampleId :

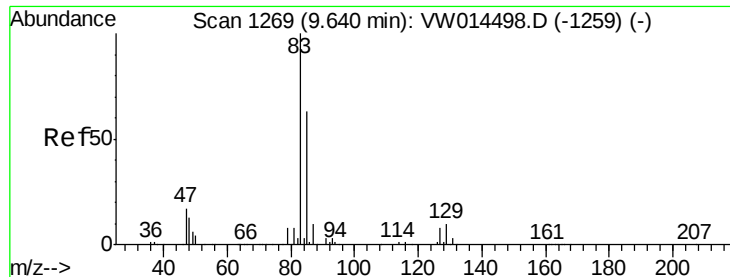
Tot Ion: 63 Resp: 175228
 Ion Ratio Lower Upper
 63 100
 65 32.1 25.6 38.4



#46
 Dibromomethane
 Concen: 21.723 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW014497.D
 Acq: 03 Jan 2020 14:21

Tgt Ion: 93 Resp: 85093
 Ion Ratio Lower Upper
 93 100
 95 82.4 66.4 99.6
 174 112.8 89.1 133.7





#47

Bromodichloromethane

Concen: 21.006 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VW014497.D

Acq: 03 Jan 2020 14:21

Instrument :

MSVOA_W

ClientSampleId :

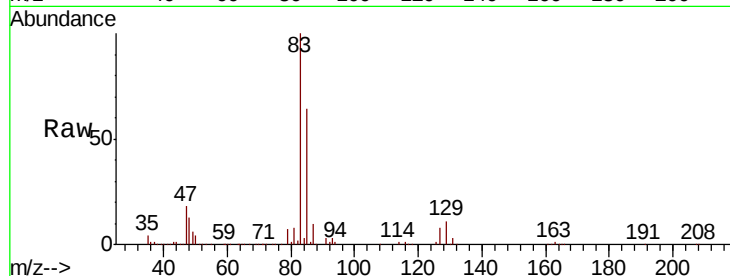
Tot Ion: 83 Resp: 209922

Ion Ratio Lower Upper

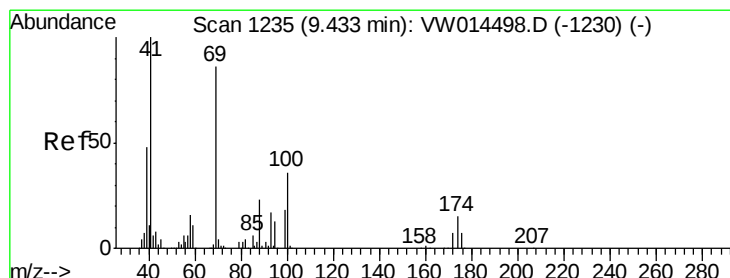
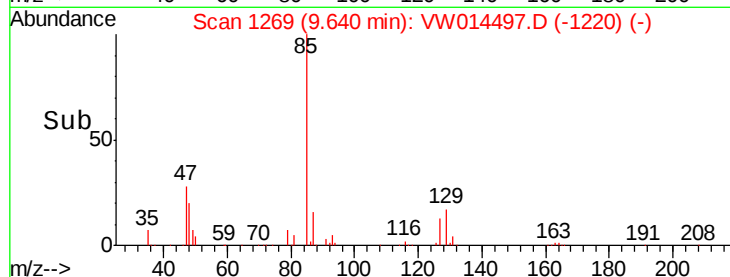
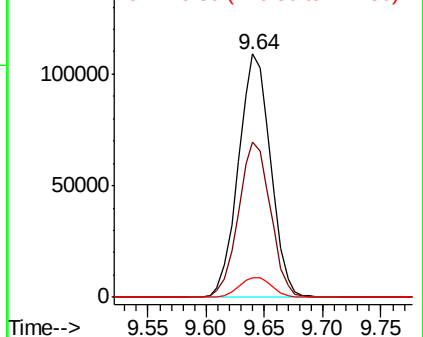
83 100

85 63.5 50.6 76.0

127 8.3 6.6 9.8



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): V



#48

Methyl methacrylate

Concen: 22.413 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. -0.00 min

Lab File: VW014497.D

Acq: 03 Jan 2020 14:21

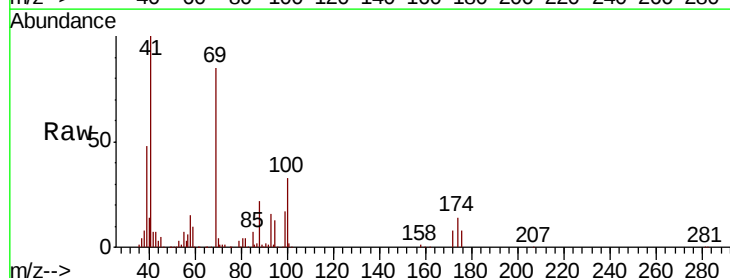
Tgt Ion: 41 Resp: 99084

Ion Ratio Lower Upper

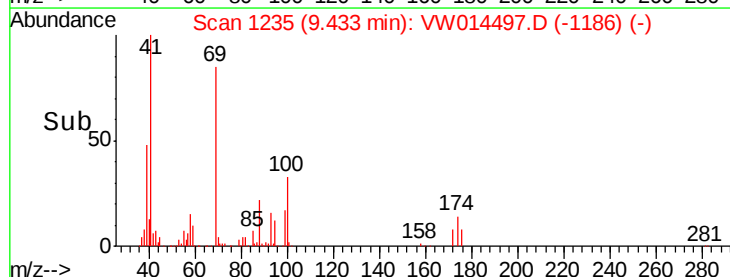
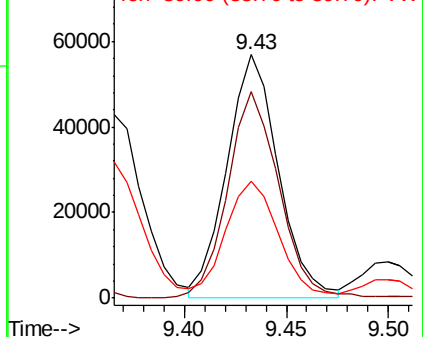
41 100

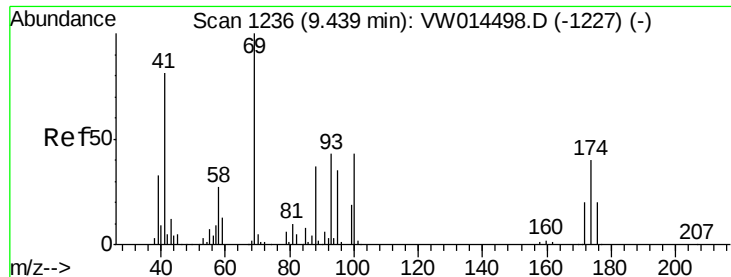
69 85.3 68.3 102.5

39 45.6 36.8 55.2



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

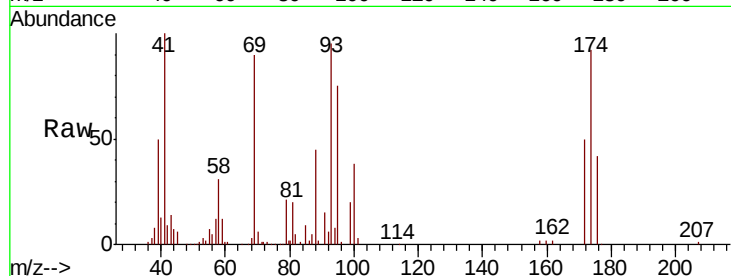




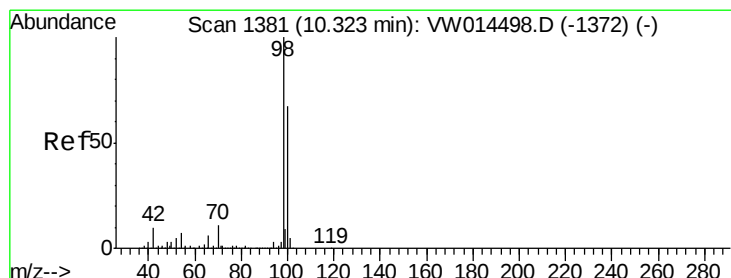
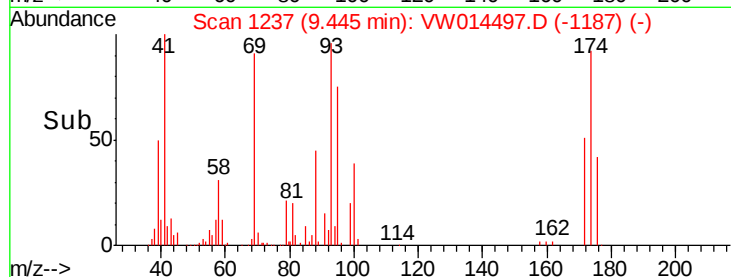
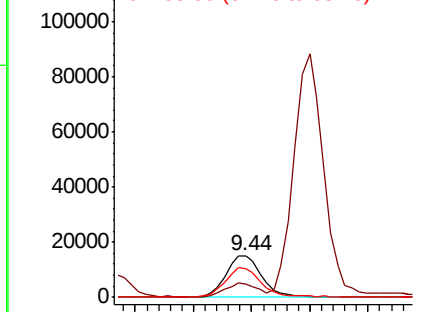
#49
1,4-Dioxane
Concen: 517.620 ug/l
RT: 9.44 min Scan# 1237
Delta R.T. 0.01 min
Lab File: VW014497.D
Acq: 03 Jan 2020 14:21

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 88 Resp: 32279
Ion Ratio Lower Upper
88 100
43 29.9 24.9 37.3
58 73.3 56.9 85.3

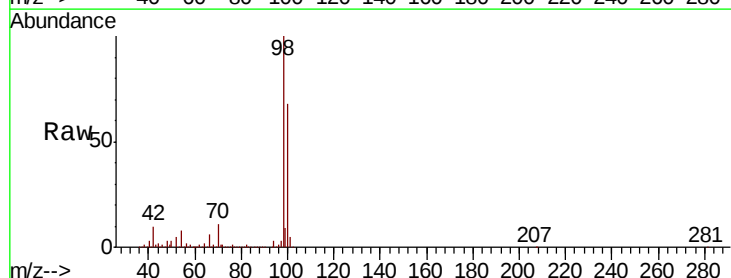


Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

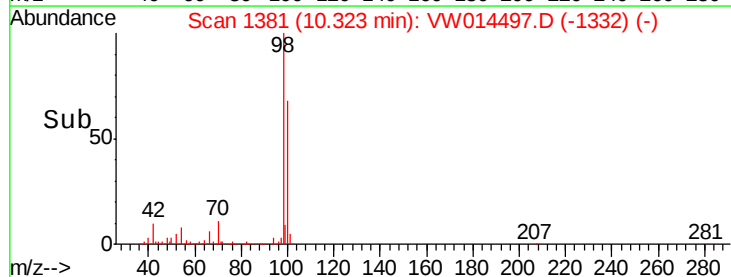
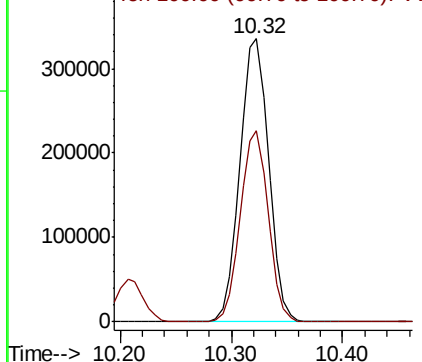


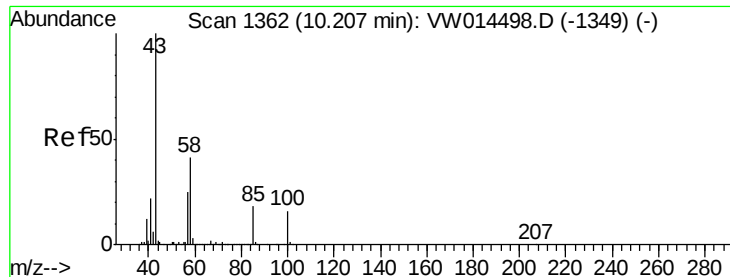
#50
Toluene-d8
Concen: 21.310 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW014497.D
Acq: 03 Jan 2020 14:21

Tgt Ion: 98 Resp: 602503
Ion Ratio Lower Upper
98 100
100 65.5 53.8 80.6



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

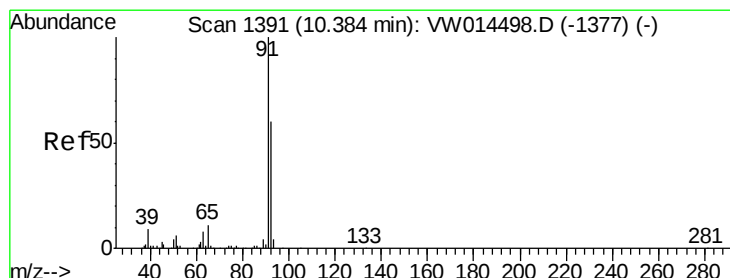
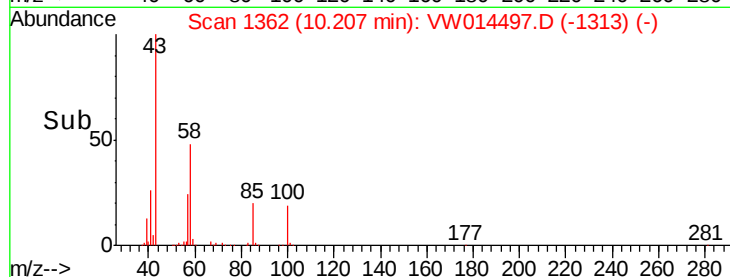
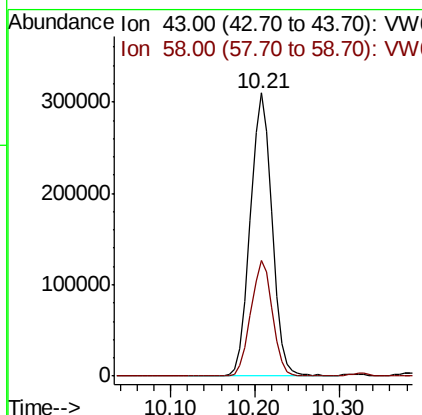
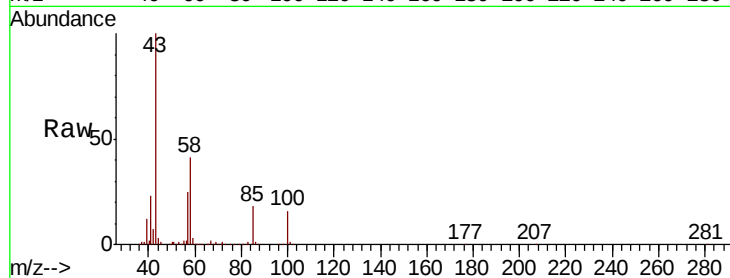




#51
 4-Methyl-2-Pentanone
 Concen: 119.051 ug/l
 RT: 10.21 min Scan# 1362
 Delta R.T. -0.00 min
 Lab File: VW014497.D
 Acq: 03 Jan 2020 14:21

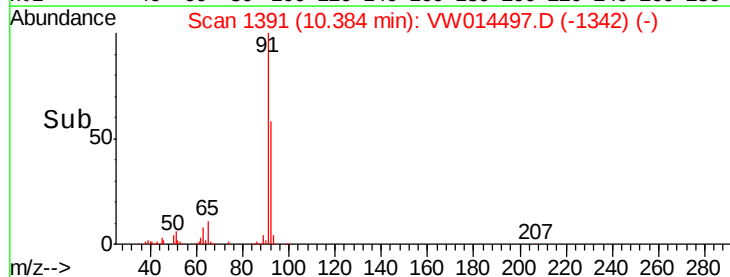
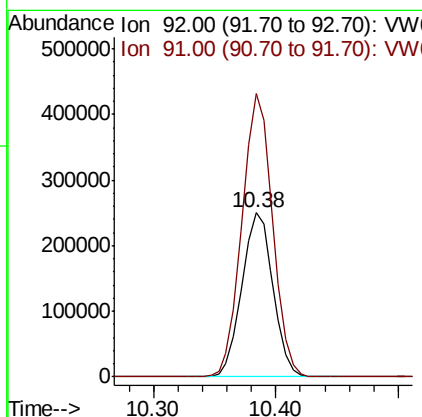
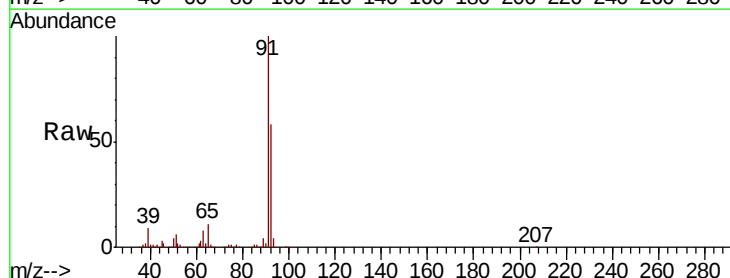
Instrument :
 MSVOA_W
 ClientSampleId :

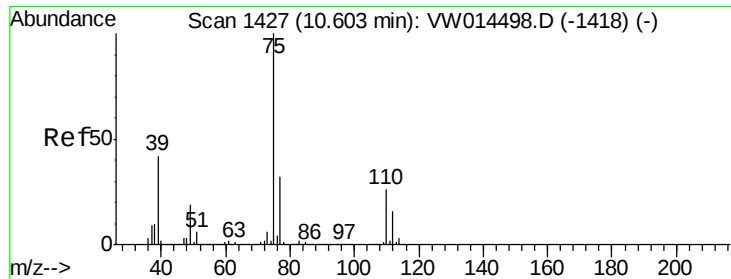
Tot Ion: 43 Resp: 538353
 Ion Ratio Lower Upper
 43 100
 58 40.5 32.7 49.1



#52
 Toluene
 Concen: 20.679 ug/l
 RT: 10.38 min Scan# 1391
 Delta R.T. -0.00 min
 Lab File: VW014497.D
 Acq: 03 Jan 2020 14:21

Tgt Ion: 92 Resp: 441921
 Ion Ratio Lower Upper
 92 100
 91 169.7 134.1 201.1





#53

t-1,3-Dichloropropene

Concen: 21.394 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW014497.D

Acq: 03 Jan 2020 14:21

Instrument :

MSVOA_W

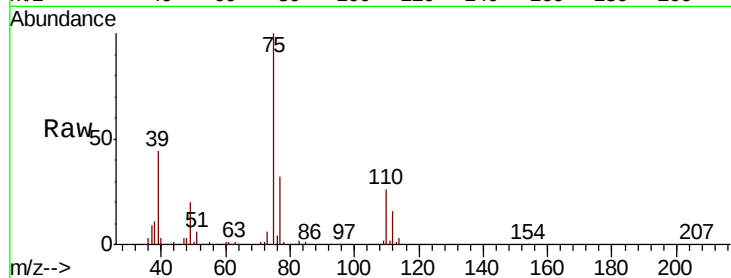
ClientSampleId :

Tot Ion: 75 Resp: 217974

Ion Ratio Lower Upper

75 100

77 31.5 25.4 38.2



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

10.60

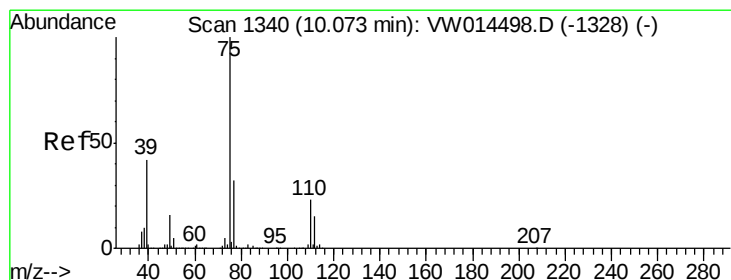
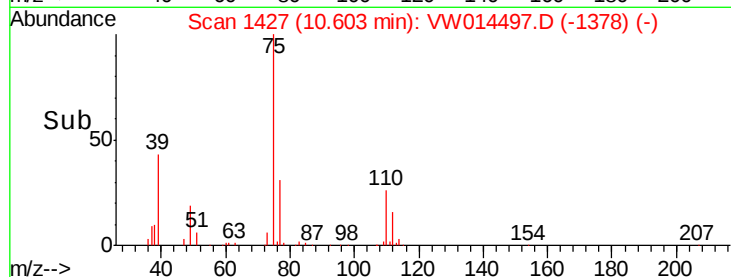
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 21.112 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW014497.D

Acq: 03 Jan 2020 14:21

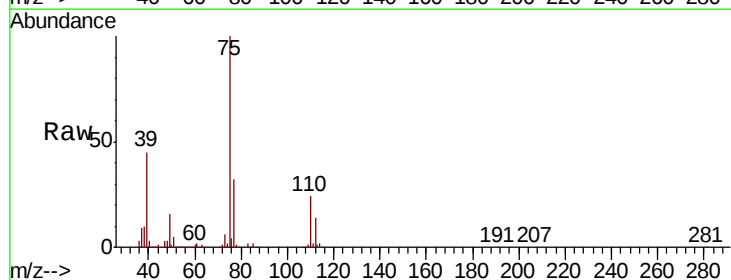
Tgt Ion: 75 Resp: 264360

Ion Ratio Lower Upper

75 100

77 32.0 25.4 38.0

39 44.5 33.4 50.2



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

Ion 39.00 (38.70 to 39.70): VW

200000

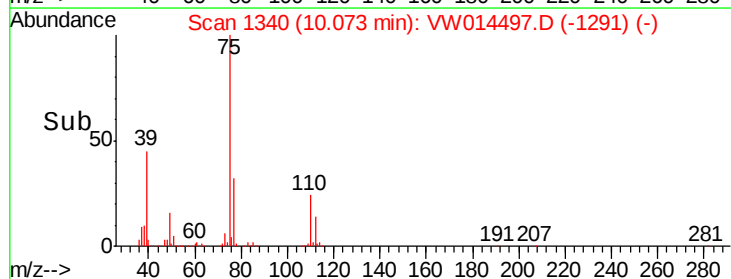
150000

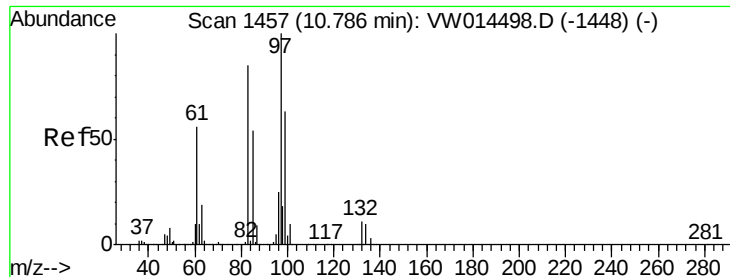
100000

50000

0

Time-->

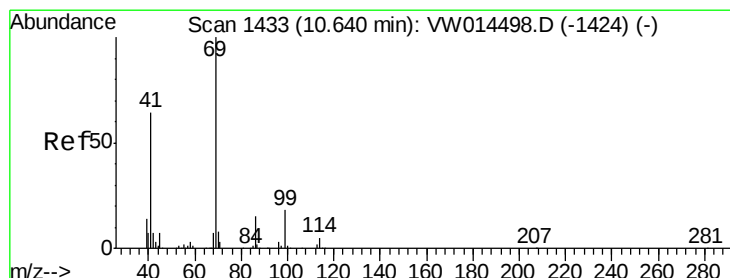
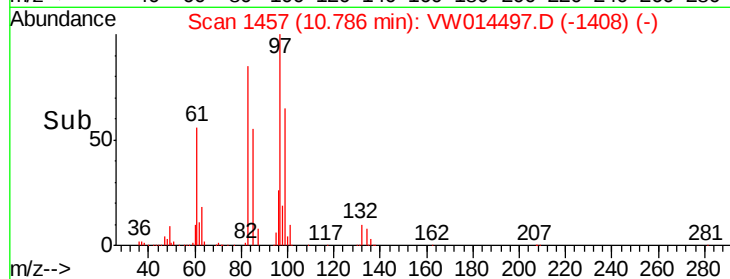
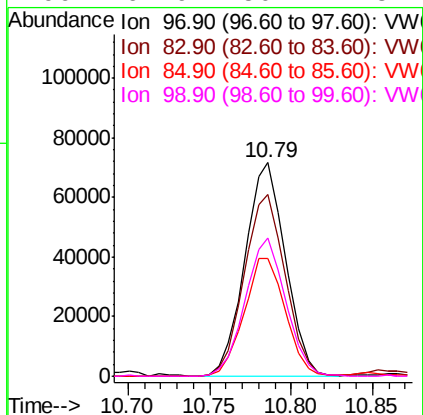
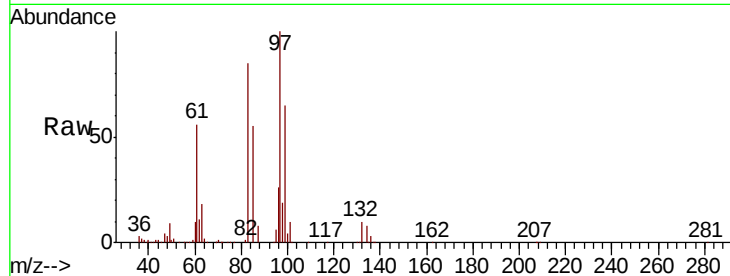




#55
 1,1,2-Trichloroethane
 Concen: 21.213 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW014497.D
 Acq: 03 Jan 2020 14:21

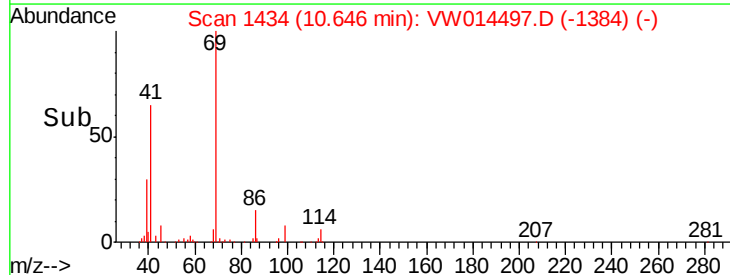
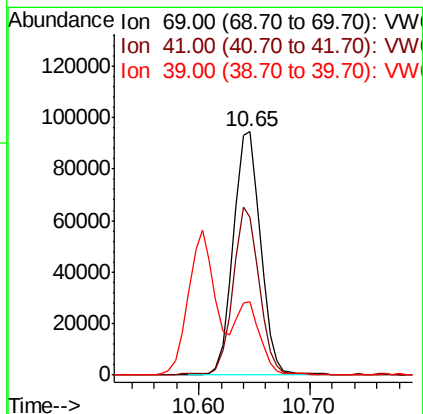
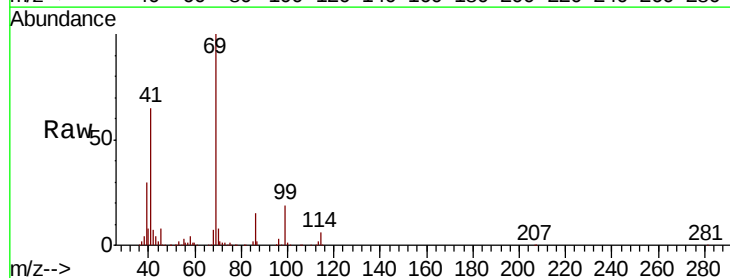
Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:	97	Resp:	123694
Ion	Ratio	Lower	Upper
97	100		
83	85.0	68.2	102.4
85	55.2	43.0	64.4
99	64.9	50.1	75.1



#56
 Ethyl methacrylate
 Concen: 21.710 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.01 min
 Lab File: VW014497.D
 Acq: 03 Jan 2020 14:21

Tgt Ion:	69	Resp:	160568
Ion	Ratio	Lower	Upper
69	100		
41	66.1	51.3	76.9
39	26.5	21.0	31.6





#57

1,3-Dichloropropane

Concen: 22.009 ug/l

RT: 10.93 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VW014497.D

Acq: 03 Jan 2020 14:21

Instrument :

MSVOA_W

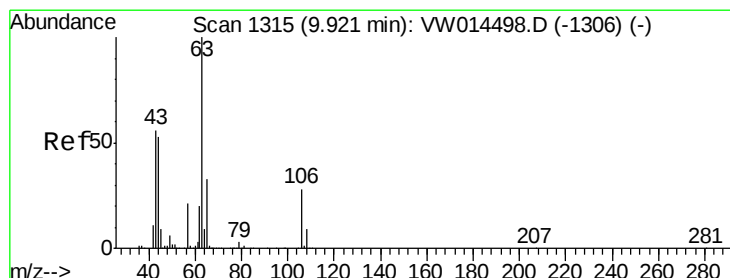
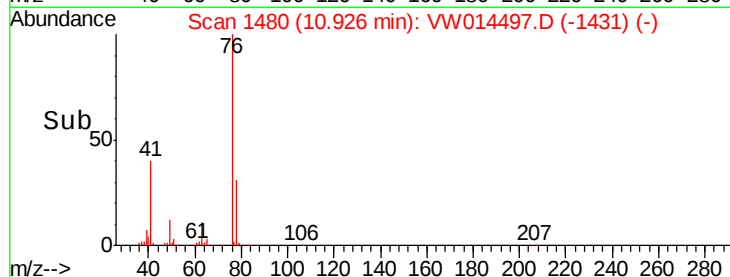
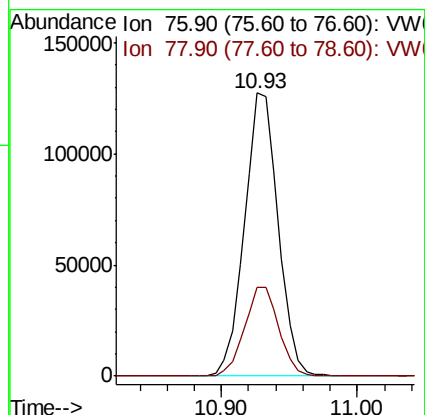
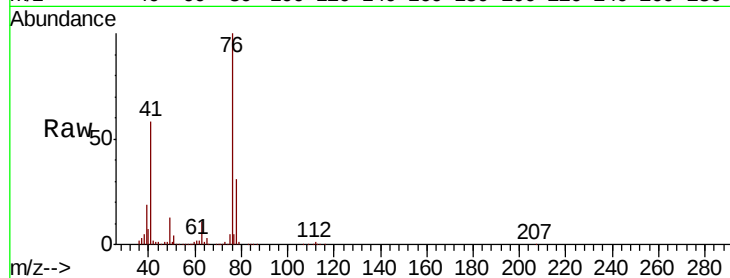
ClientSampled :

Tot Ion: 76 Resp: 220272

Ion Ratio Lower Upper

76 100

78 32.1 25.9 38.9



#58

2-Chloroethyl Vinyl ether

Concen: 71.695 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. -0.00 min

Lab File: VW014497.D

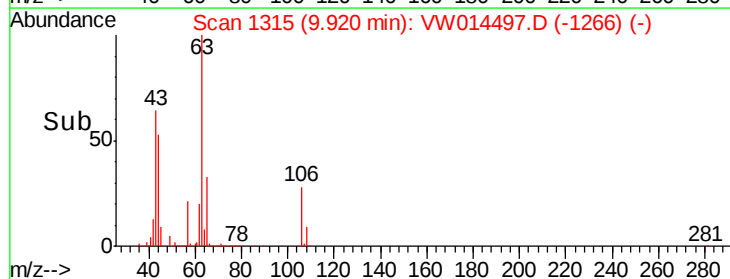
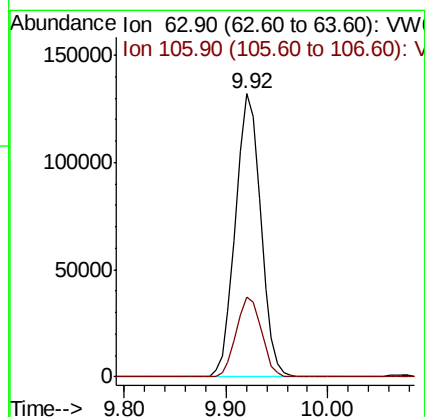
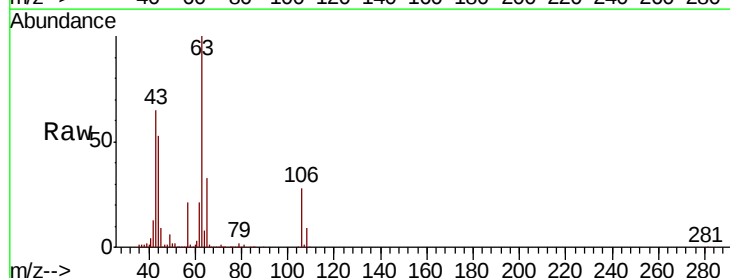
Acq: 03 Jan 2020 14:21

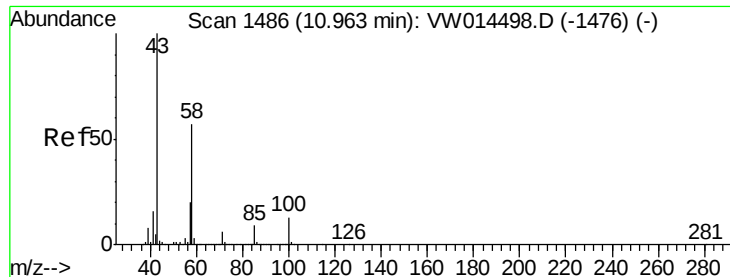
Tgt Ion: 63 Resp: 226309

Ion Ratio Lower Upper

63 100

106 28.3 23.0 34.6

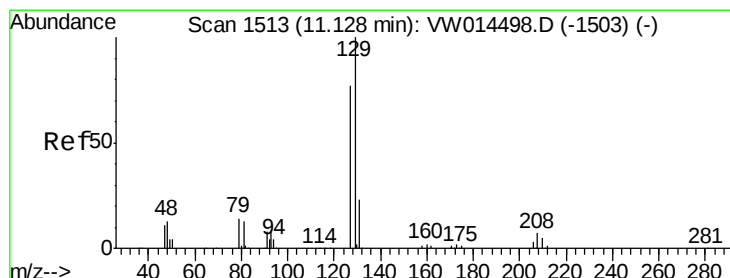
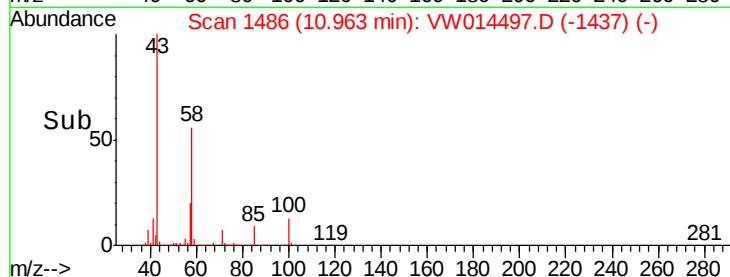
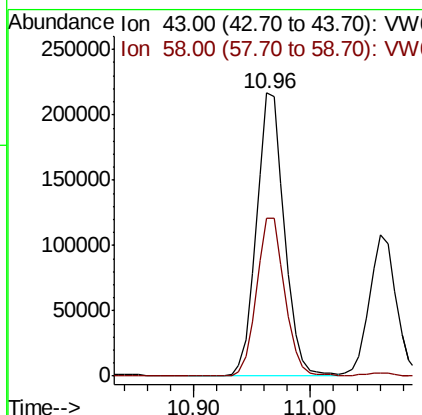
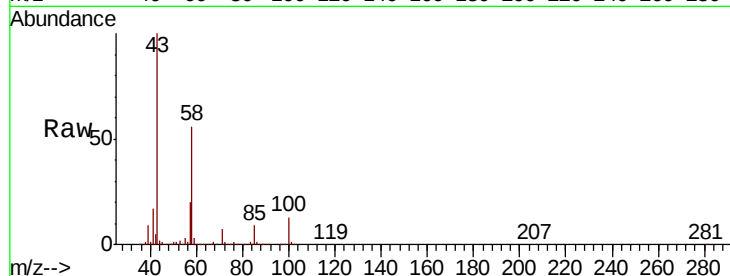




#59
2-Hexanone
Concen: 115.633 ug/l
RT: 10.96 min Scan# 1486
Delta R.T. -0.00 min
Lab File: VW014497.D
Acq: 03 Jan 2020 14:21

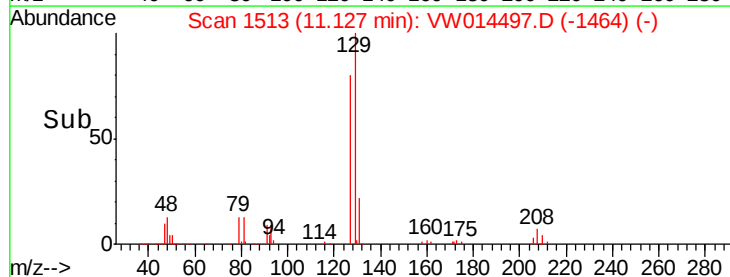
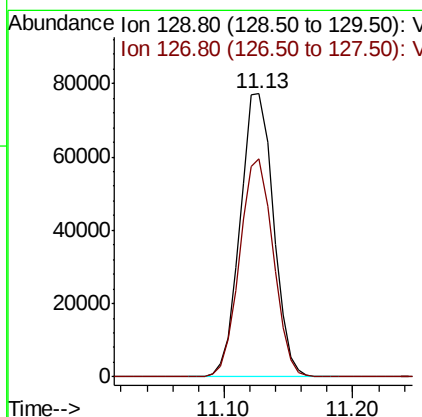
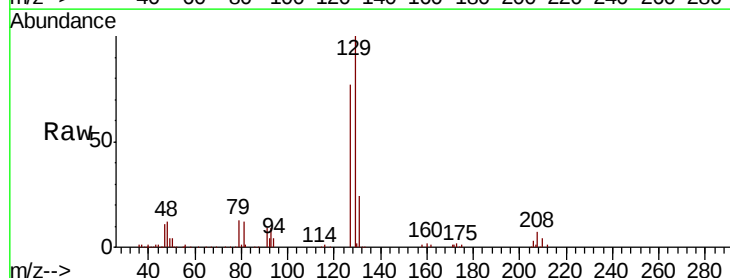
Instrument :
MSVOA_W
ClientSampled :

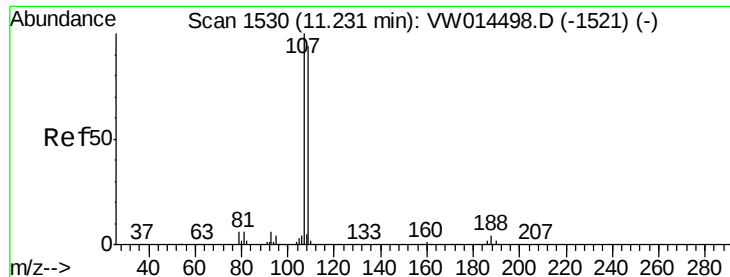
Tot Ion: 43 Resp: 359830
Ion Ratio Lower Upper
43 100
58 56.6 28.7 86.3



#60
Dibromochloromethane
Concen: 20.174 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW014497.D
Acq: 03 Jan 2020 14:21

Tgt Ion: 129 Resp: 137851
Ion Ratio Lower Upper
129 100
127 77.9 38.1 114.5





#61

1,2-Dibromoethane

Concen: 21.330 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. -0.00 min

Lab File: VW014497.D

Acq: 03 Jan 2020 14:21

Instrument :

MSVOA_W

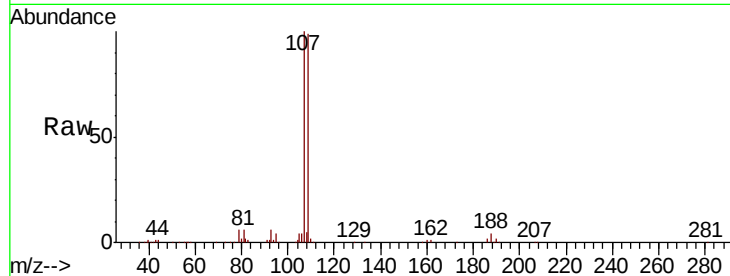
ClientSampleId :

Tot Ion: 107 Resp: 117846

Ion Ratio Lower Upper

107 100

109 95.6 75.1 112.7



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.23

80000

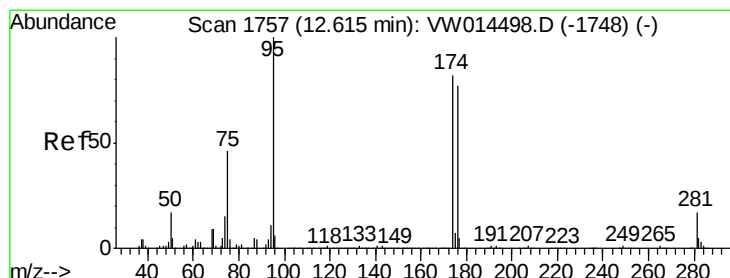
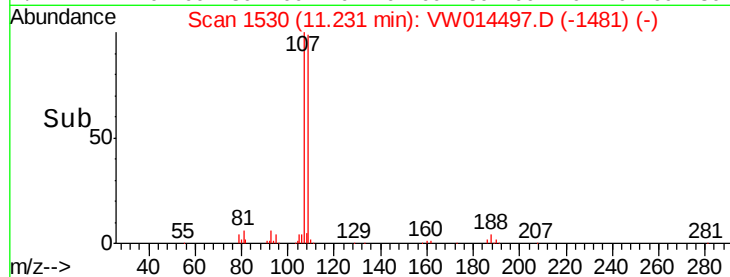
60000

40000

20000

0

Time--> 11.15 11.20 11.25 11.30



#62

4-Bromofluorobenzene

Concen: 20.980 ug/l

RT: 12.61 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW014497.D

Acq: 03 Jan 2020 14:21

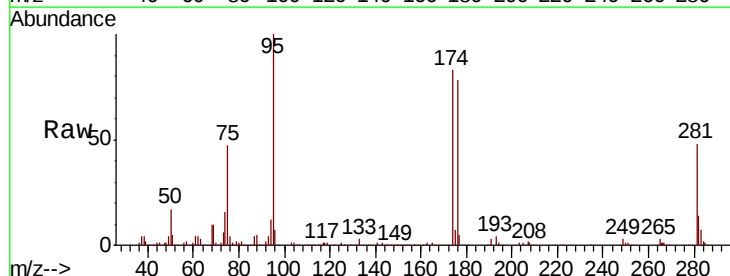
Tgt Ion: 95 Resp: 201490

Ion Ratio Lower Upper

95 100

174 84.1 0.0 168.6

176 81.0 0.0 162.0



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.61

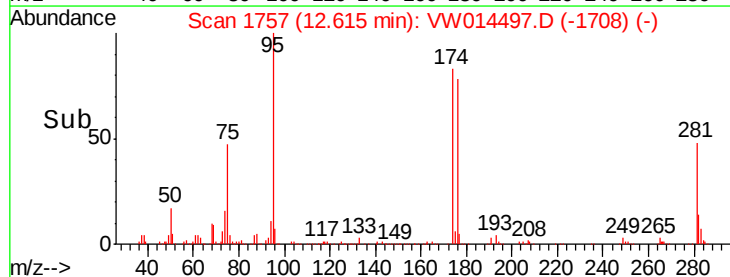
150000

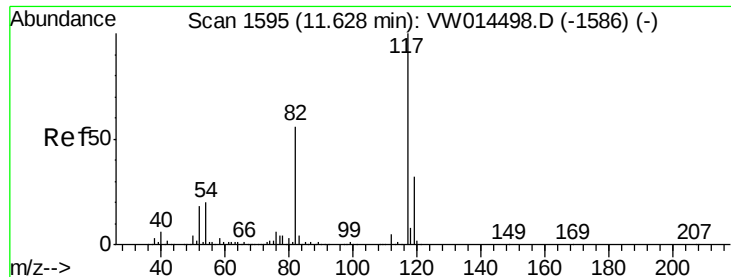
100000

50000

0

Time--> 12.60 12.70

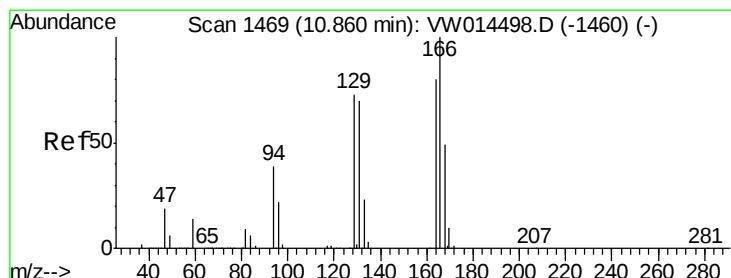
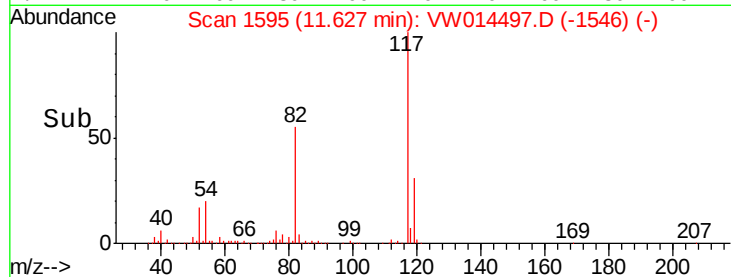
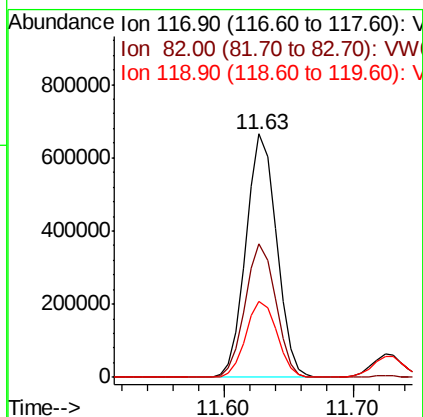
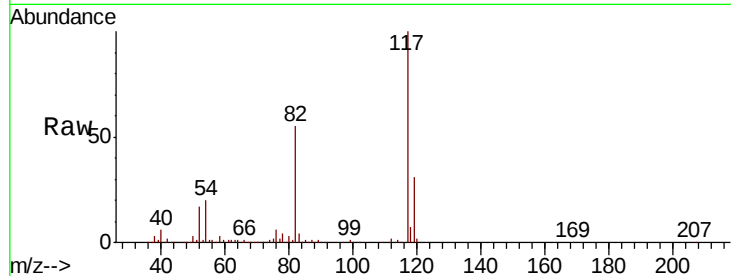




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW014497.D
Acq: 03 Jan 2020 14:21

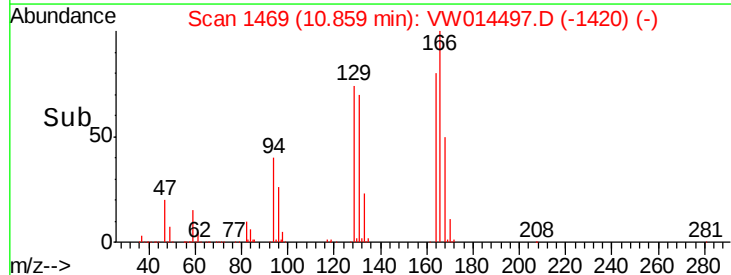
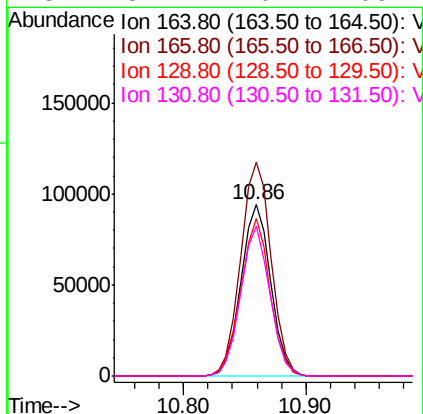
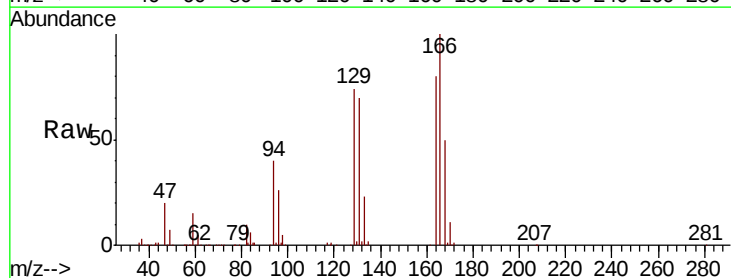
Instrument :
MSVOA_W
ClientSampleId :

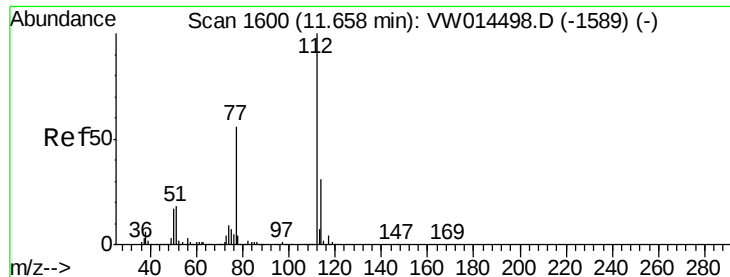
Tot Ion:117 Resp: 1092288
Ion Ratio Lower Upper
117 100
82 54.7 44.6 67.0
119 31.2 25.7 38.5



#64
Tetrachloroethene
Concen: 19.151 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW014497.D
Acq: 03 Jan 2020 14:21

Tgt Ion:164 Resp: 158350
Ion Ratio Lower Upper
164 100
166 125.0 99.8 149.6
129 92.4 72.4 108.6
131 87.4 70.1 105.1

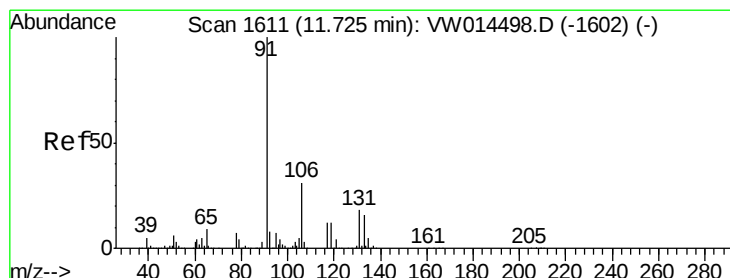
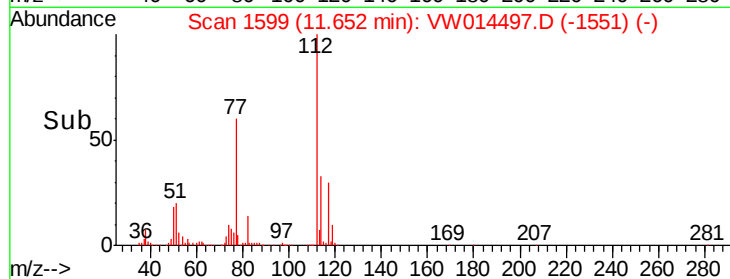
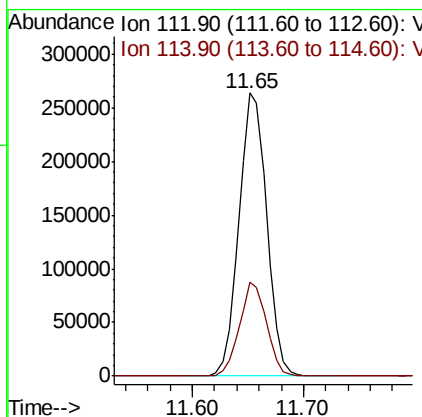
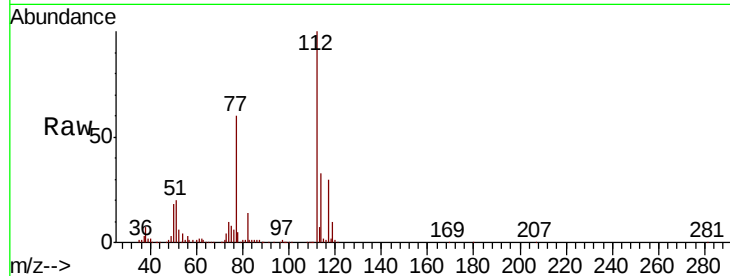




#65
Chlorobenzene
Concen: 20.308 ug/l
RT: 11.65 min Scan# 1599
Delta R.T. -0.01 min
Lab File: VW014497.D
Acq: 03 Jan 2020 14:21

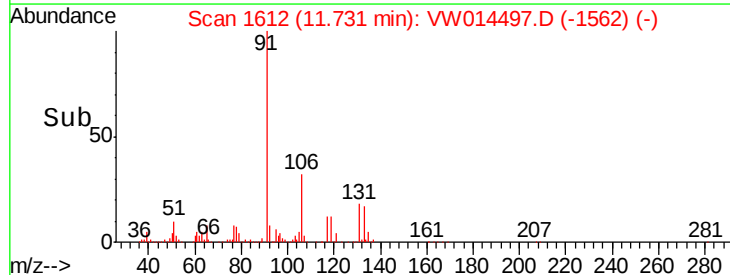
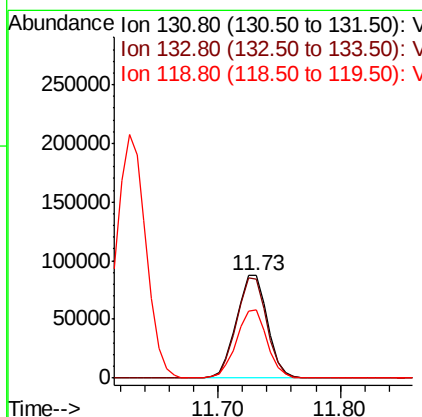
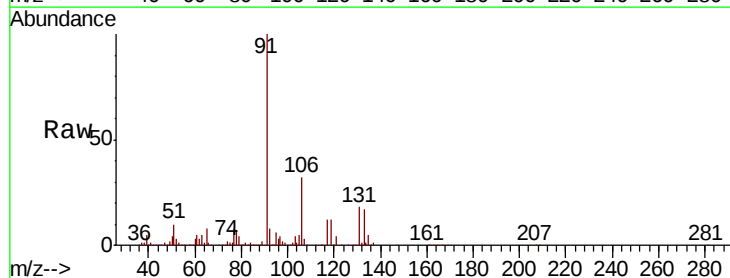
Instrument :
MSVOA_W
ClientSampled :

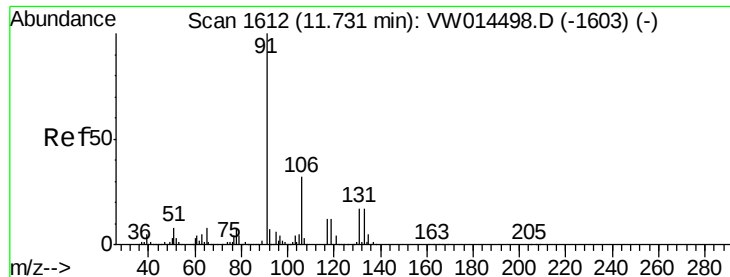
Tot Ion:112 Resp: 455643
Ion Ratio Lower Upper
112 100
114 33.0 24.6 37.0



#66
1,1,1,2-Tetrachloroethane
Concen: 19.709 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.01 min
Lab File: VW014497.D
Acq: 03 Jan 2020 14:21

Tgt Ion:131 Resp: 153618
Ion Ratio Lower Upper
131 100
133 94.8 47.3 142.0
119 65.6 33.1 99.3

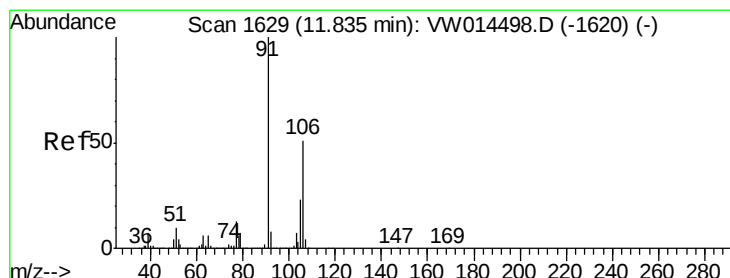
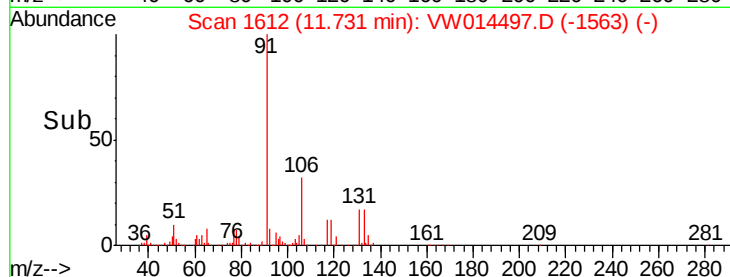
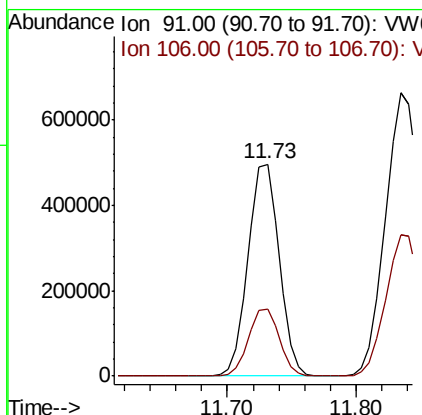
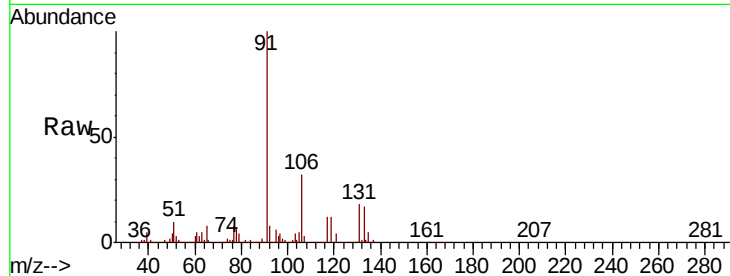




#67
Ethyl Benzene
Concen: 20.467 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW014497.D
Acq: 03 Jan 2020 14:21

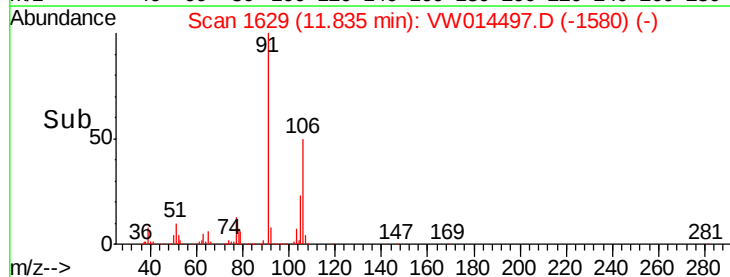
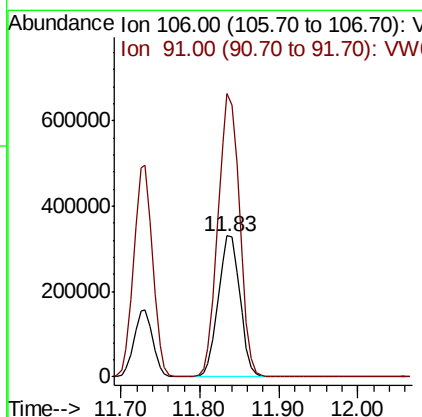
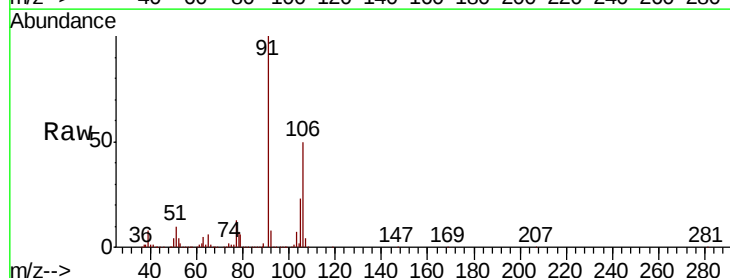
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 91 Resp: 827751
Ion Ratio Lower Upper
91 100
106 31.8 25.5 38.3



#68
m/p-Xylenes
Concen: 40.617 ug/l
RT: 11.83 min Scan# 1629
Delta R.T. -0.00 min
Lab File: VW014497.D
Acq: 03 Jan 2020 14:21

Tgt Ion: 106 Resp: 634009
Ion Ratio Lower Upper
106 100
91 199.4 159.0 238.6

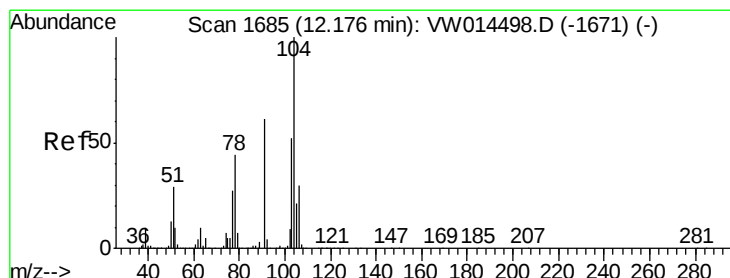
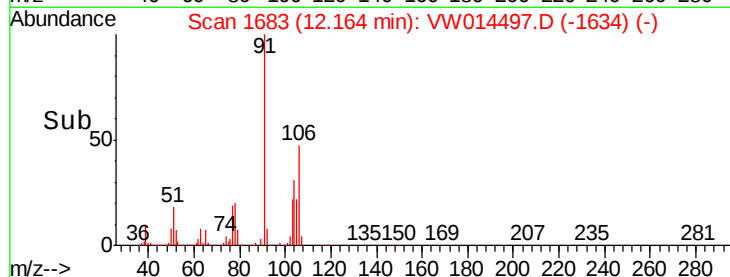
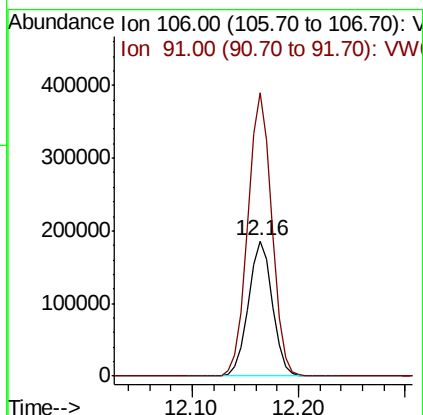
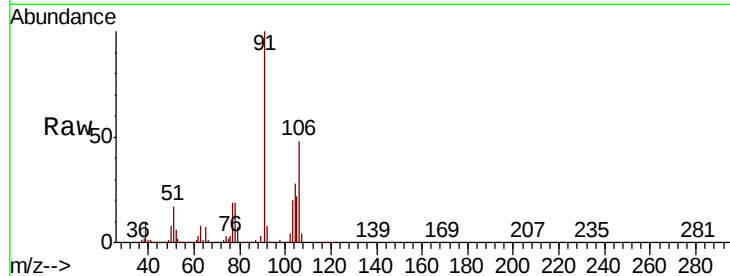




#69
o-Xylene
Concen: 20.439 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW014497.D
Acq: 03 Jan 2020 14:21

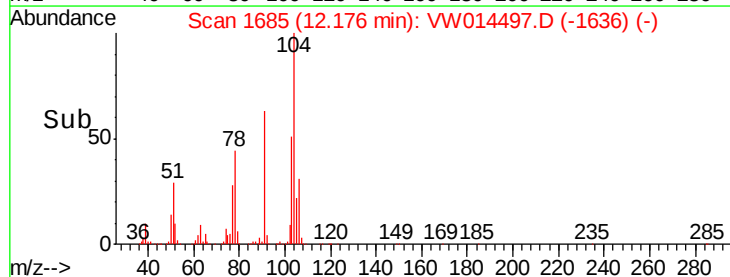
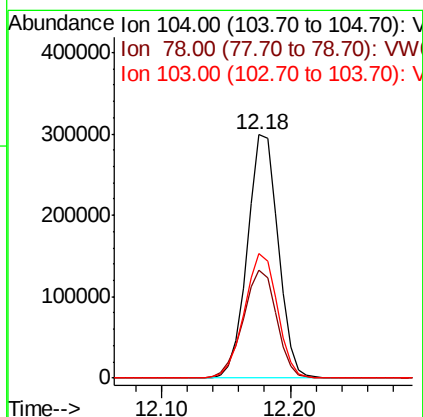
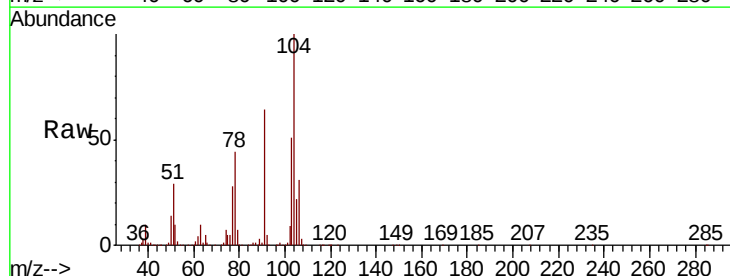
Instrument :
MSVOA_W
ClientSampleId :

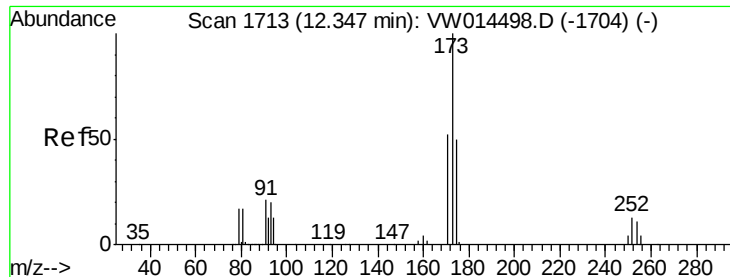
Tot Ion:106 Resp: 293295
Ion Ratio Lower Upper
106 100
91 209.9 105.2 315.6



#70
Styrene
Concen: 20.014 ug/l
RT: 12.18 min Scan# 1685
Delta R.T. -0.00 min
Lab File: VW014497.D
Acq: 03 Jan 2020 14:21

Tgt Ion:104 Resp: 492317
Ion Ratio Lower Upper
104 100
78 48.3 38.4 57.6
103 55.1 43.7 65.5





#71

Bromoform

Concen: 19.925 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW014497.D

Acq: 03 Jan 2020 14:21

Instrument :

MSVOA_W

ClientSampleId :

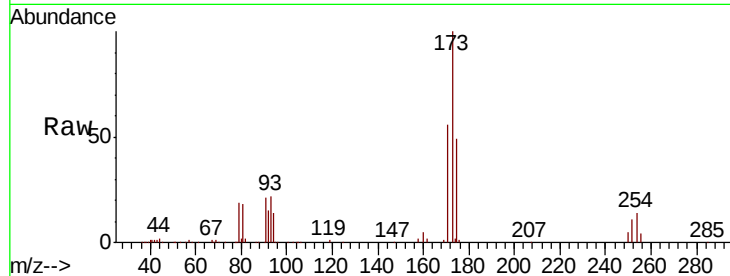
Tot Ion:173 Resp: 82738

Ion Ratio Lower Upper

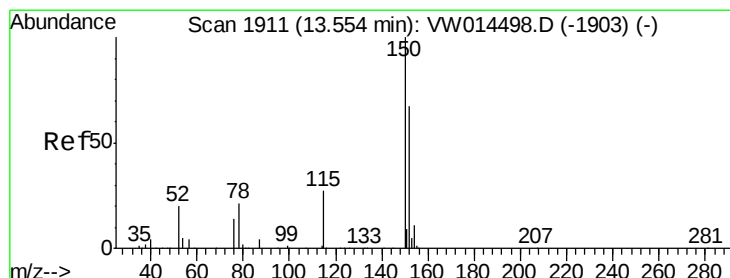
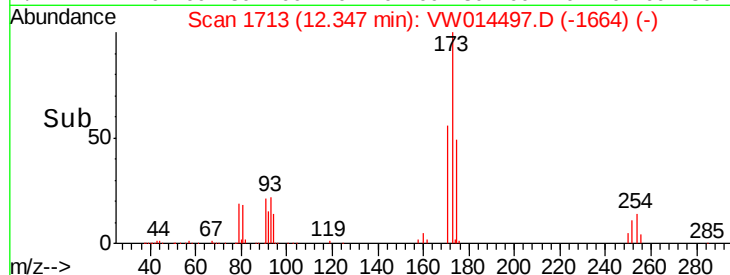
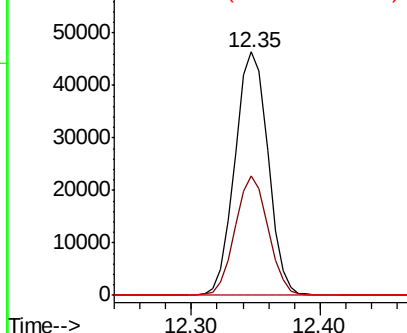
173 100

175 48.8 24.5 73.5

254 0.1 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: 13.55 min Scan# 1911

Delta R.T. -0.00 min

Lab File: VW014497.D

Acq: 03 Jan 2020 14:21

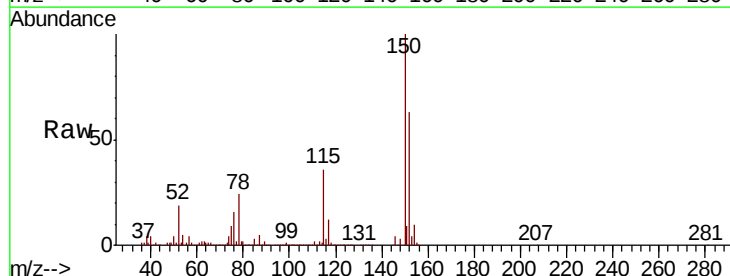
Tgt Ion:152 Resp: 543998

Ion Ratio Lower Upper

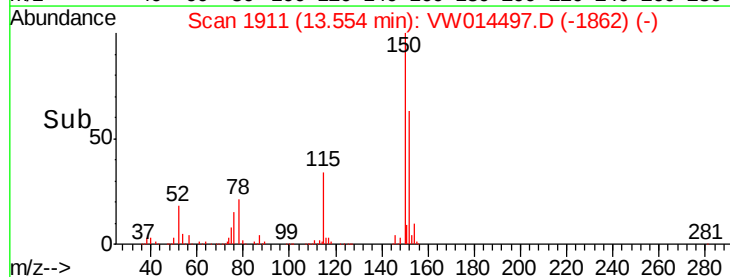
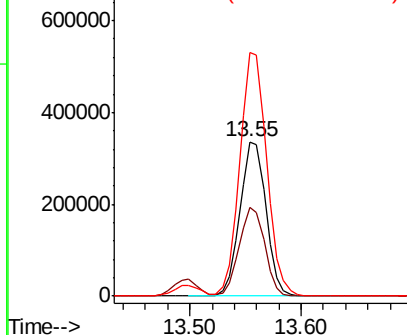
152 100

115 56.6 27.7 83.1

150 163.7 0.0 343.4



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





#73

Isopropylbenzene

Concen: 20.545 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW014497.D

Acq: 03 Jan 2020 14:21

Instrument :

MSVOA_W

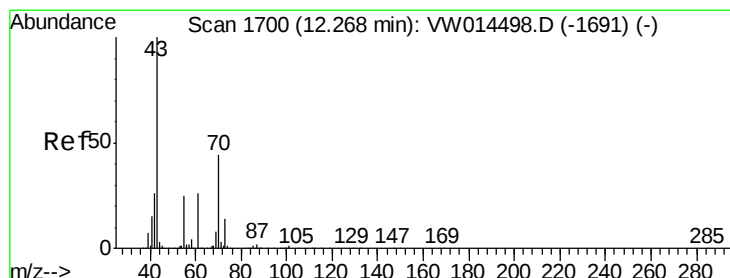
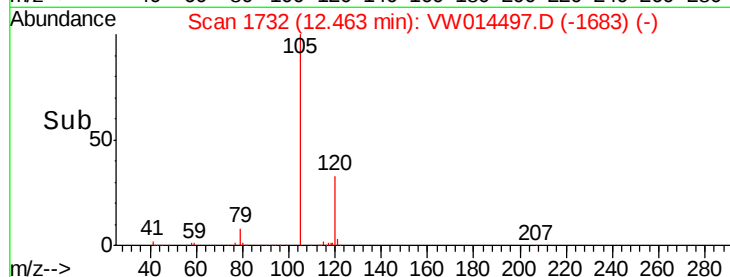
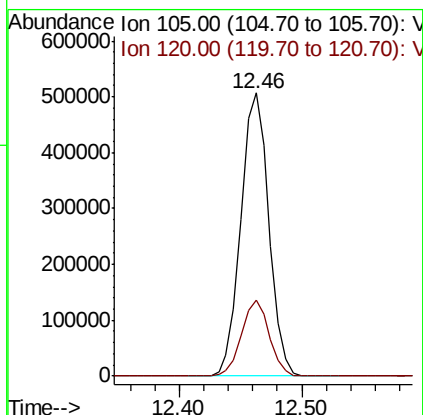
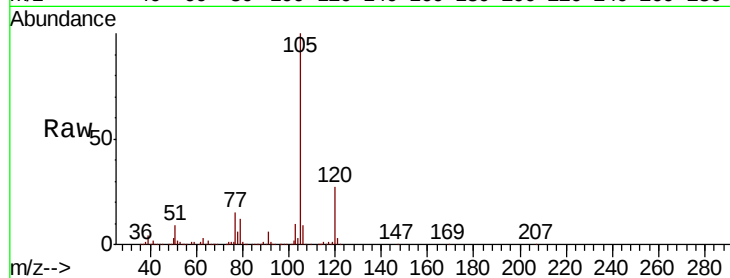
ClientSampleId :

Tot Ion:105 Resp: 803890

Ion Ratio Lower Upper

105 100

120 26.6 13.4 40.1



#74

N-ethyl acetate

Concen: 22.882 ug/l

RT: 12.27 min Scan# 1700

Delta R.T. -0.00 min

Lab File: VW014497.D

Acq: 03 Jan 2020 14:21

Tgt Ion: 43 Resp: 181045

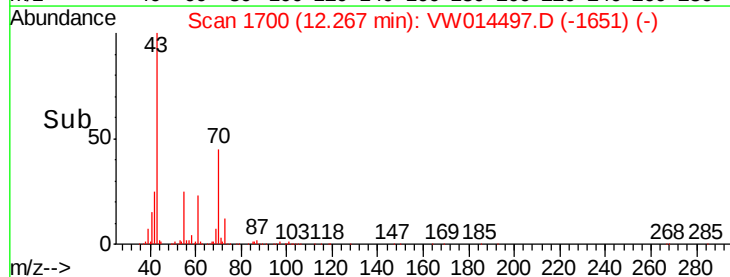
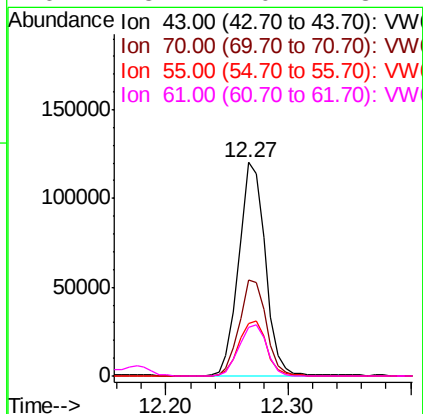
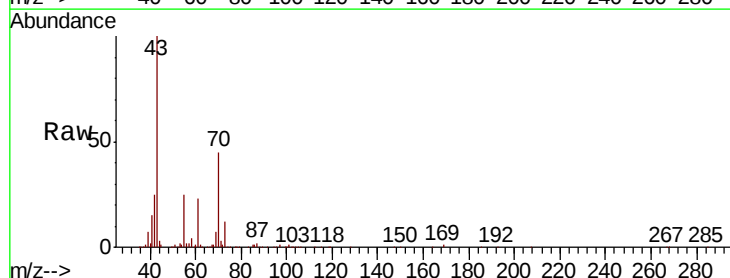
Ion Ratio Lower Upper

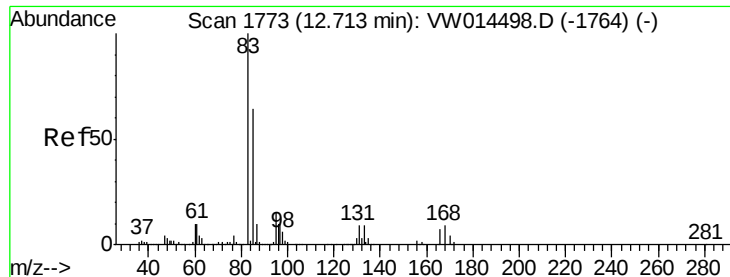
43 100

70 45.6 36.5 54.7

55 27.4 20.9 31.3

61 25.2 20.7 31.1





#75

1,1,2,2-Tetrachloroethane

Concen: 22.900 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW014497.D

Acq: 03 Jan 2020 14:21

Instrument :

MSVOA_W

ClientSampleId :

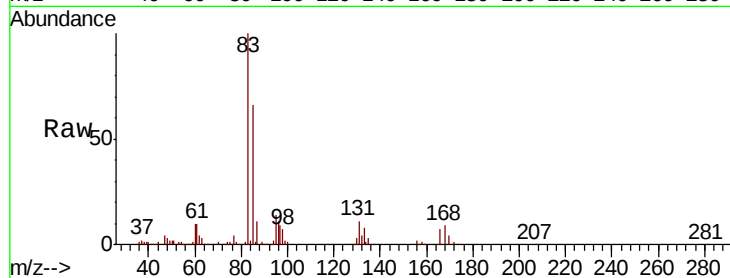
Tot Ion: 83 Resp: 147100

Ion Ratio Lower Upper

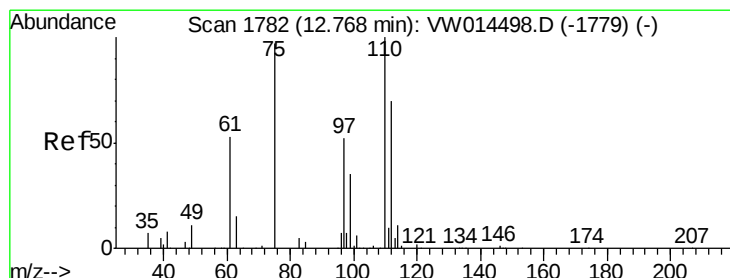
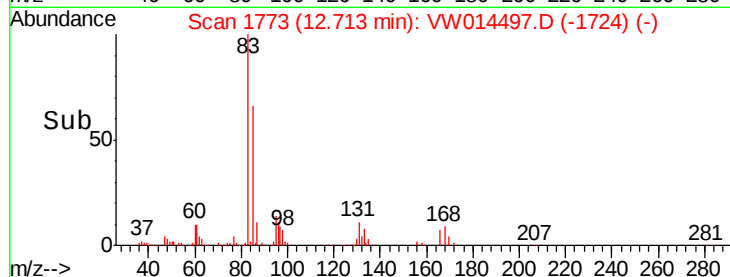
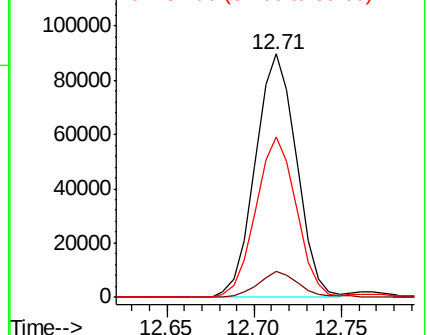
83 100

131 10.7 5.1 15.4

85 64.8 31.9 95.7



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: 43.416 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW014497.D

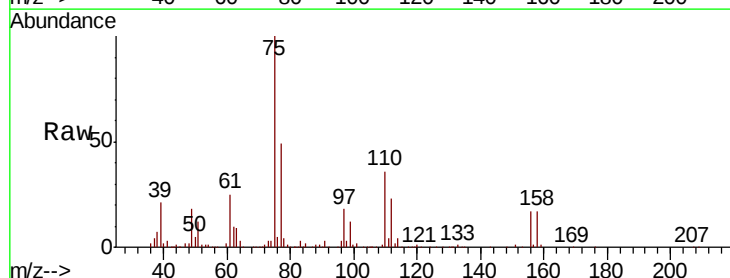
Acq: 03 Jan 2020 14:21

Tgt Ion: 75 Resp: 184035

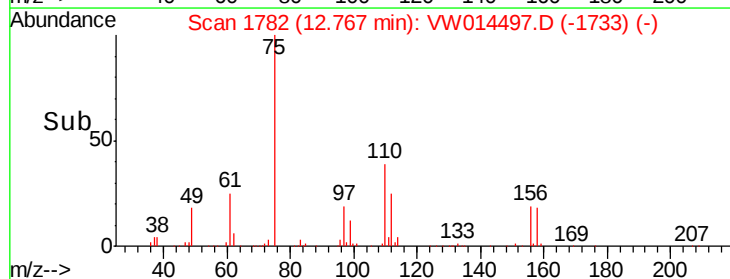
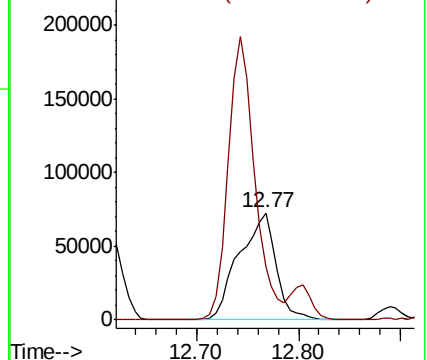
Ion Ratio Lower Upper

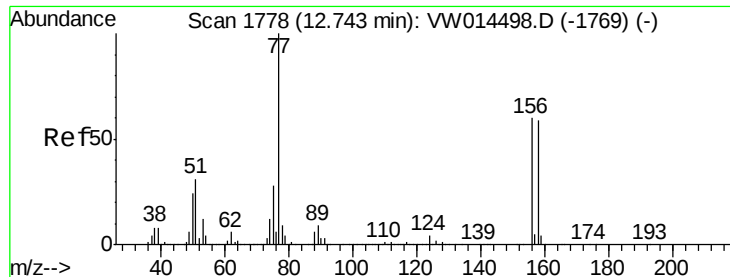
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 19.973 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VW014497.D

Acq: 03 Jan 2020 14:21

Instrument :

MSVOA_W

ClientSampleId :

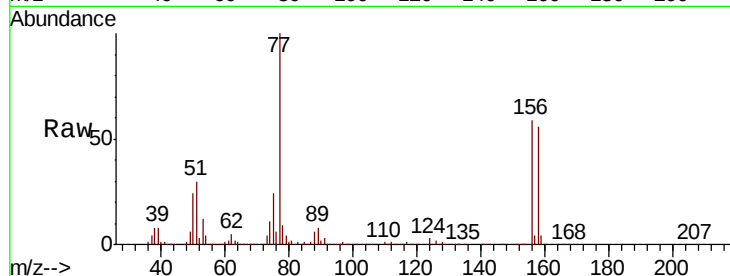
Tot Ion:156 Resp: 186106

Ion Ratio Lower Upper

156 100

77 186.2 92.3 277.1

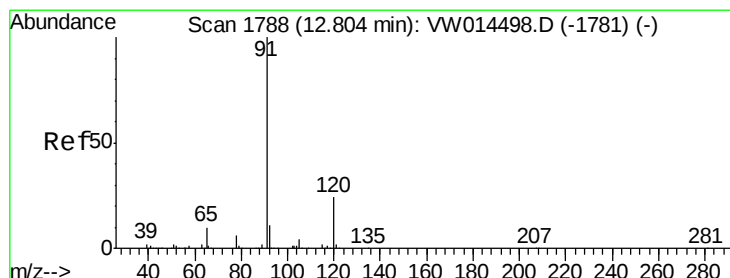
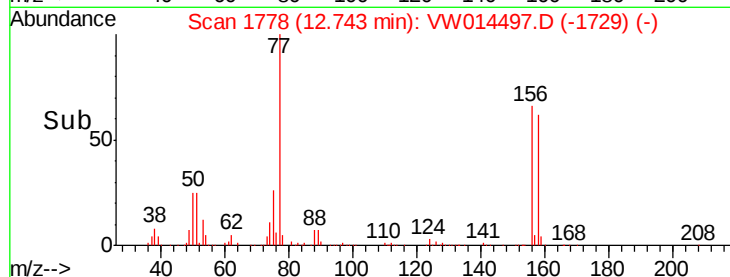
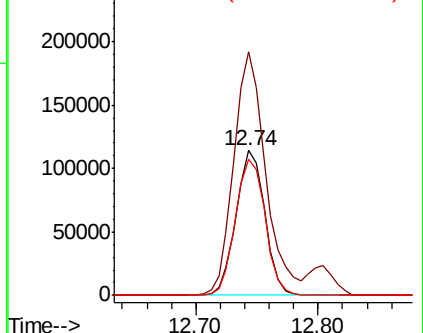
158 96.8 48.6 145.9



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: 21.133 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW014497.D

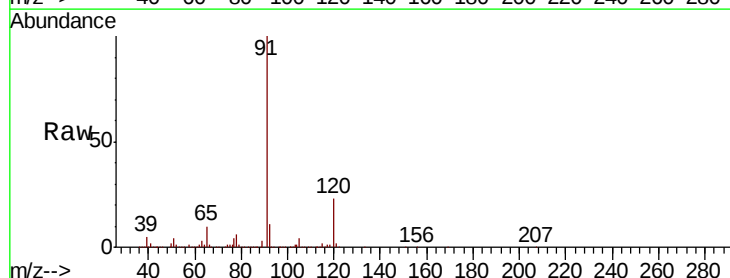
Acq: 03 Jan 2020 14:21

Tgt Ion: 91 Resp: 959007

Ion Ratio Lower Upper

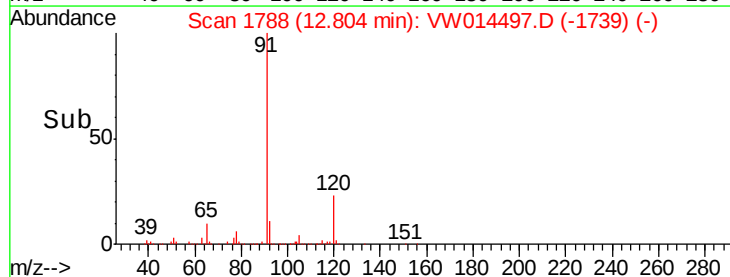
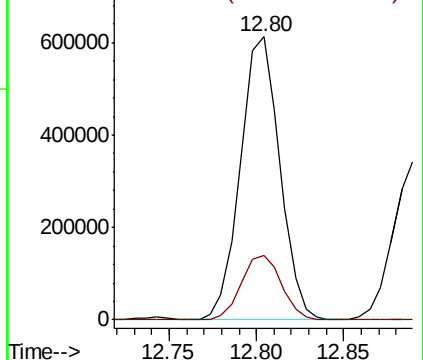
91 100

120 23.2 11.7 35.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.241 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW014497.D

Acq: 03 Jan 2020 14:21

Instrument :

MSVOA_W

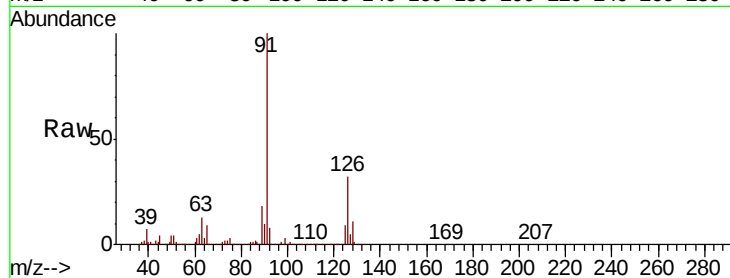
ClientSampled :

Tot Ion: 91 Resp: 542327

Ion Ratio Lower Upper

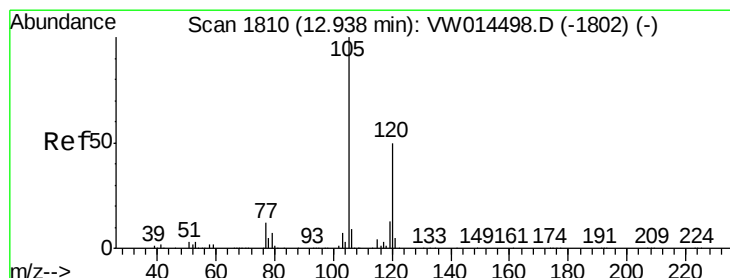
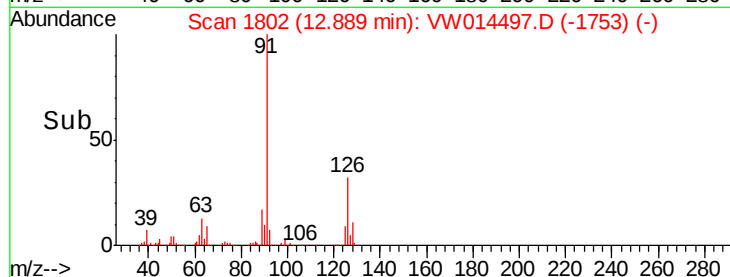
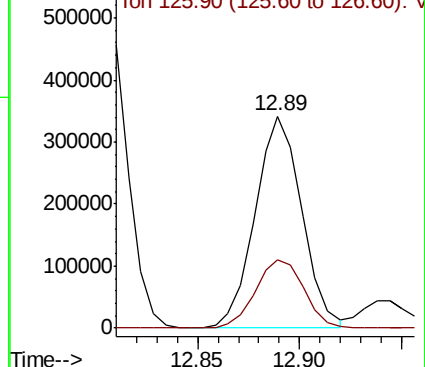
91 100

126 33.5 17.1 51.2



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: 20.908 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.01 min

Lab File: VW014497.D

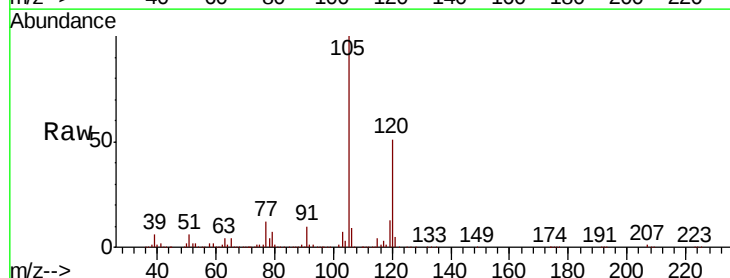
Acq: 03 Jan 2020 14:21

Tgt Ion:105 Resp: 688266

Ion Ratio Lower Upper

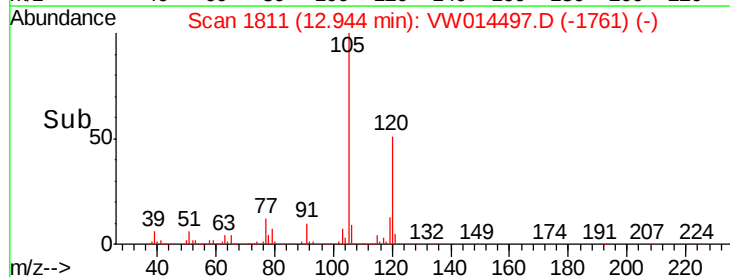
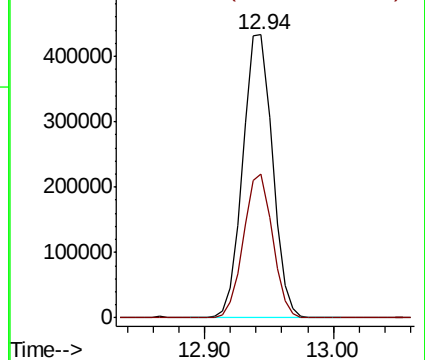
105 100

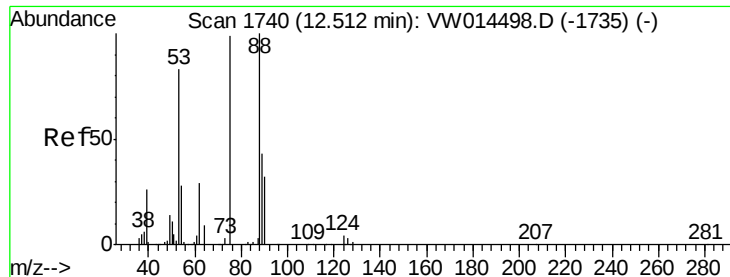
120 49.8 25.2 75.6



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: 20.873 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW014497.D

Acq: 03 Jan 2020 14:21

Instrument :

MSVOA_W

ClientSampleId :

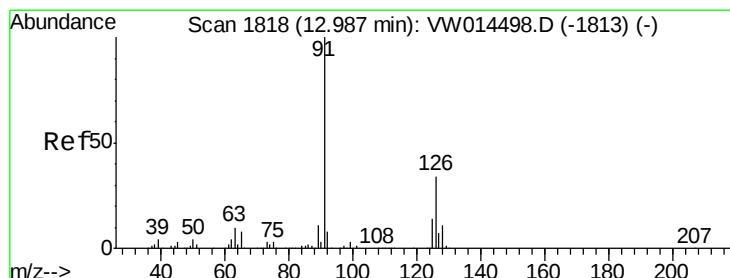
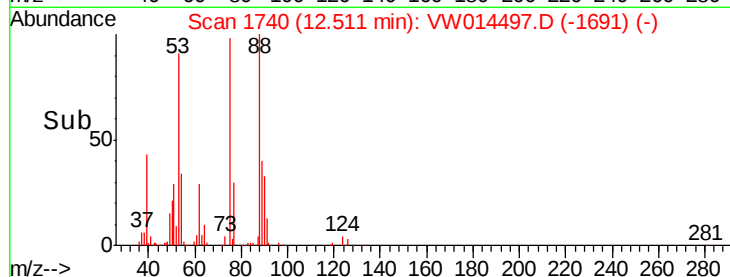
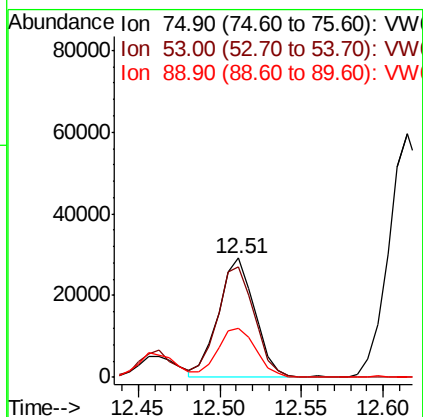
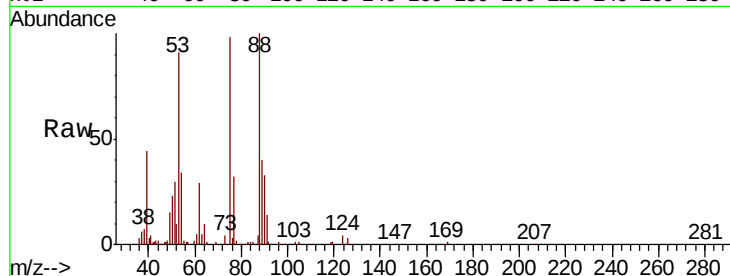
Tot Ion: 75 Resp: 44887

Ion Ratio Lower Upper

75 100

53 94.7 70.9 106.3

89 44.5 35.8 53.8



#82

4-Chlorotoluene

Concen: 21.232 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. -0.00 min

Lab File: VW014497.D

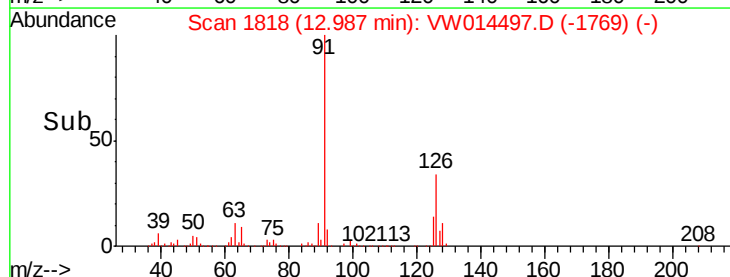
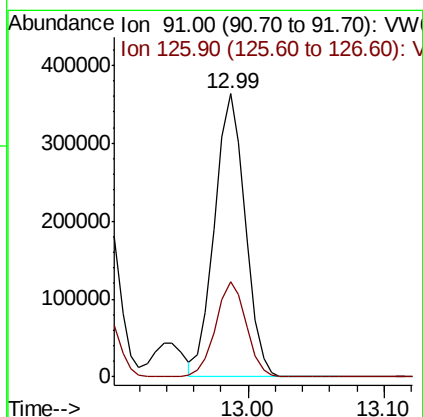
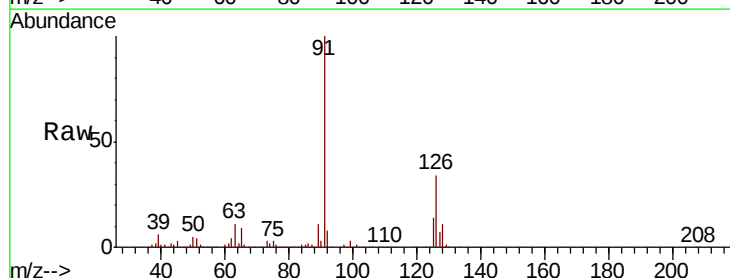
Acq: 03 Jan 2020 14:21

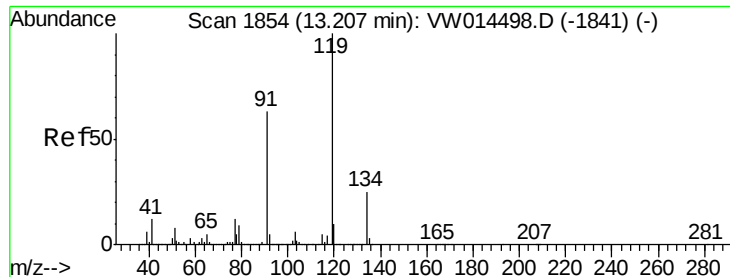
Tgt Ion: 91 Resp: 567163

Ion Ratio Lower Upper

91 100

126 33.6 17.1 51.2

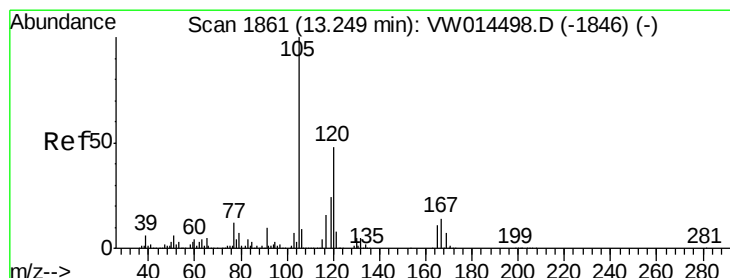
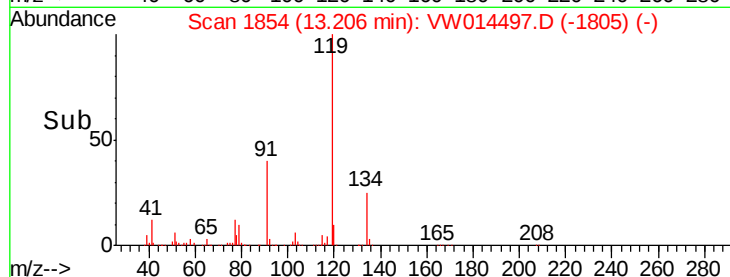
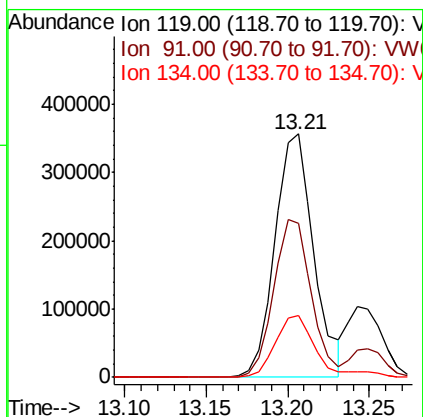
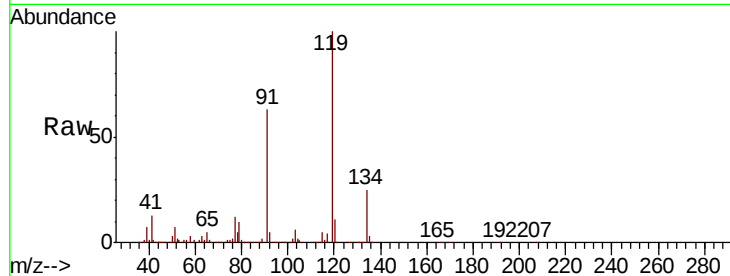




#83
tert-Butylbenzene
Concen: 20.146 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW014497.D
Acq: 03 Jan 2020 14:21

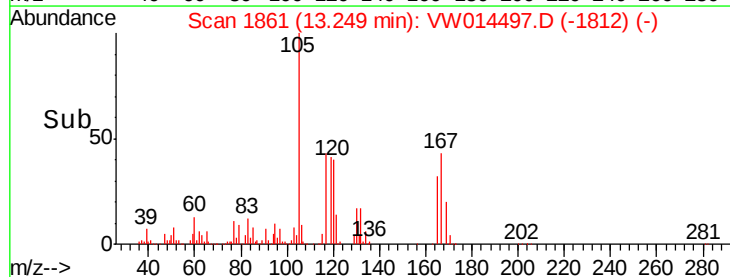
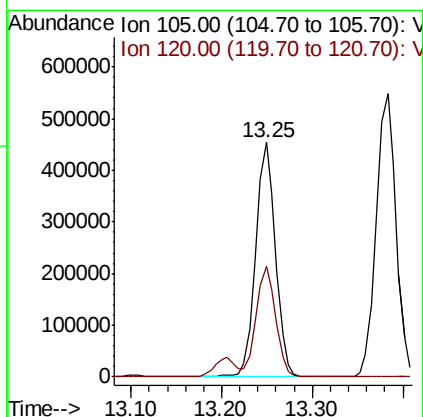
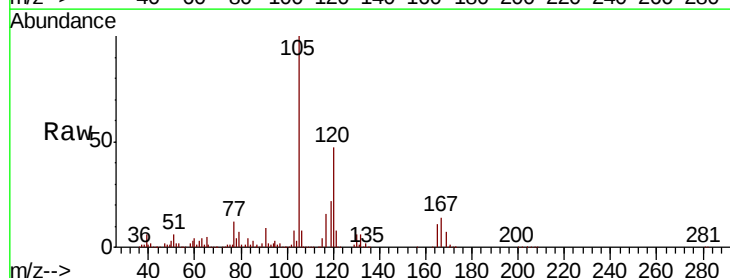
Instrument :
MSVOA_W
ClientSampled :

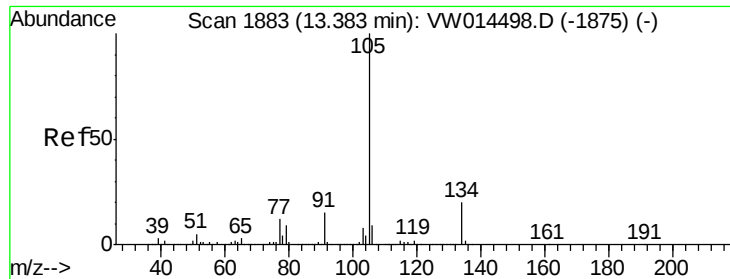
Tot Ion:119 Resp: 588338
Ion Ratio Lower Upper
119 100
91 62.9 31.1 93.3
134 27.0 13.5 40.5



#84
1,2,4-Trimethylbenzene
Concen: 20.986 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VW014497.D
Acq: 03 Jan 2020 14:21

Tgt Ion:105 Resp: 682694
Ion Ratio Lower Upper
105 100
120 46.8 23.4 70.0

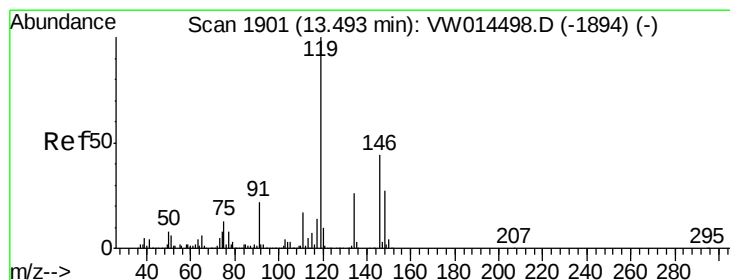
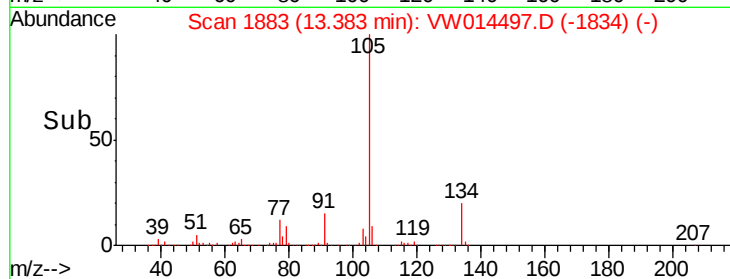
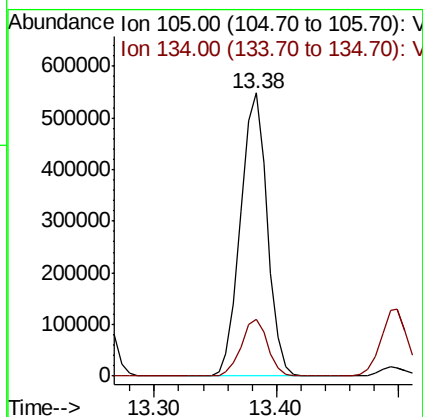
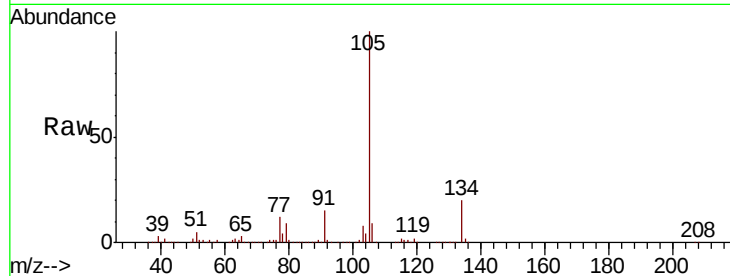




#85
 sec-Butylbenzene
 Concen: 20.688 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW014497.D
 Acq: 03 Jan 2020 14:21

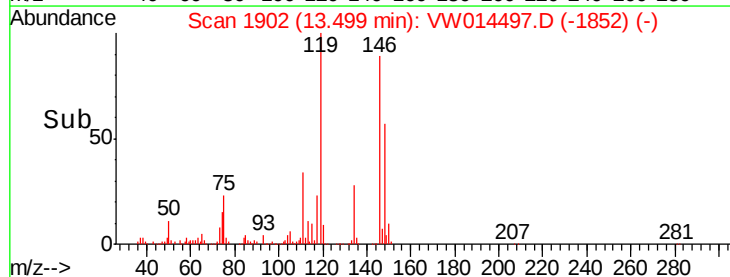
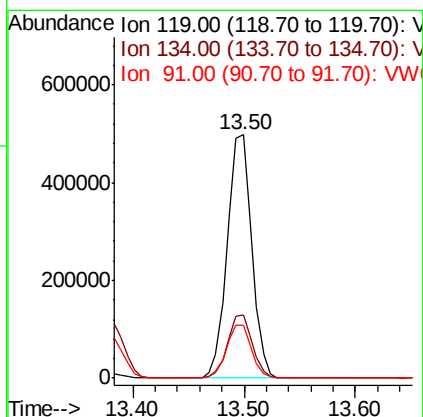
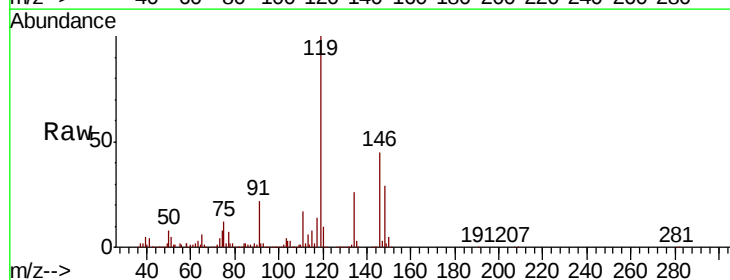
Instrument :
 MSVOA_W
 ClientSampled :

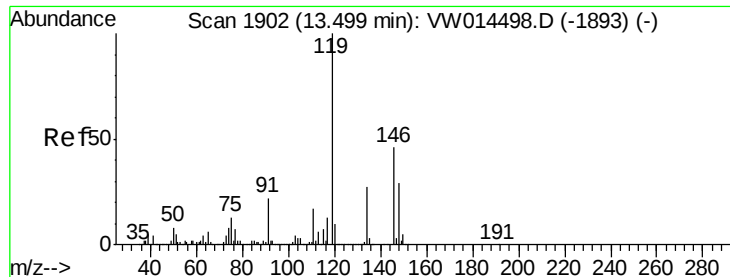
Tot Ion:105 Resp: 827741
 Ion Ratio Lower Upper
 105 100
 134 20.0 10.2 30.6



#86
 p-Isopropyltoluene
 Concen: 20.385 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.01 min
 Lab File: VW014497.D
 Acq: 03 Jan 2020 14:21

Tgt Ion:119 Resp: 757306
 Ion Ratio Lower Upper
 119 100
 134 26.1 13.2 39.5
 91 22.1 11.1 33.3





#87

1,3-Dichlorobenzene

Concen: 20.352 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW014497.D

Acq: 03 Jan 2020 14:21

Instrument :

MSVOA_W

ClientSampled :

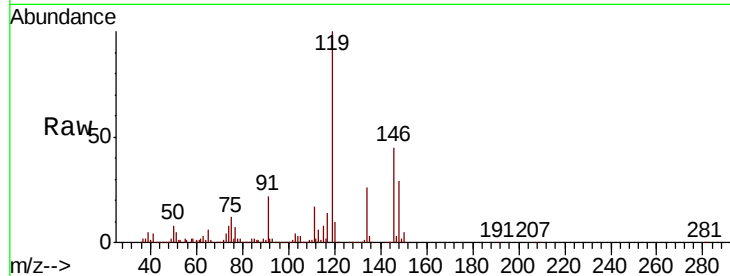
Tot Ion:146 Resp: 366769

Ion Ratio Lower Upper

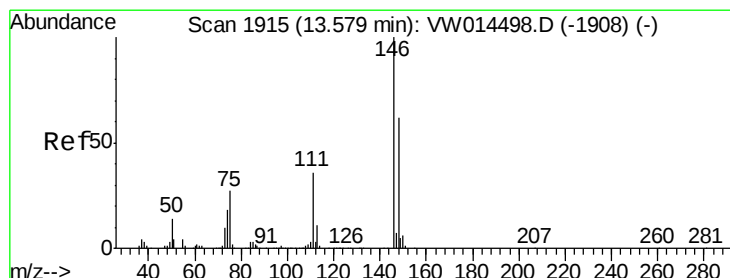
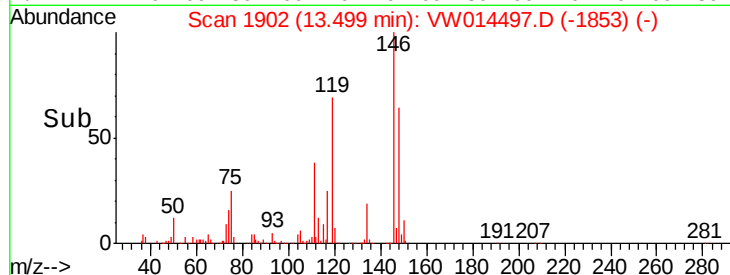
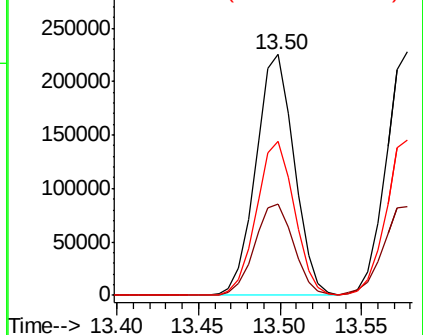
146 100

111 38.5 19.3 57.9

148 63.4 31.8 95.4



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



#88

1,4-Dichlorobenzene

Concen: 20.020 ug/l

RT: 13.58 min Scan# 1915

Delta R.T. -0.00 min

Lab File: VW014497.D

Acq: 03 Jan 2020 14:21

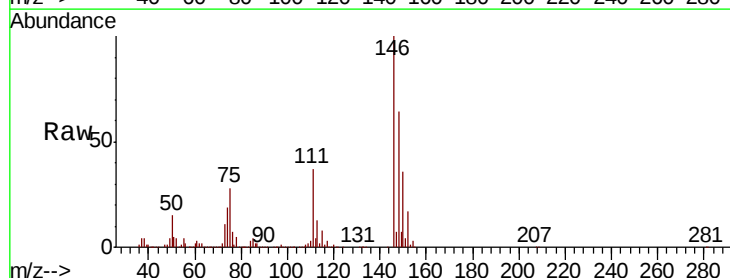
Tgt Ion:146 Resp: 359109

Ion Ratio Lower Upper

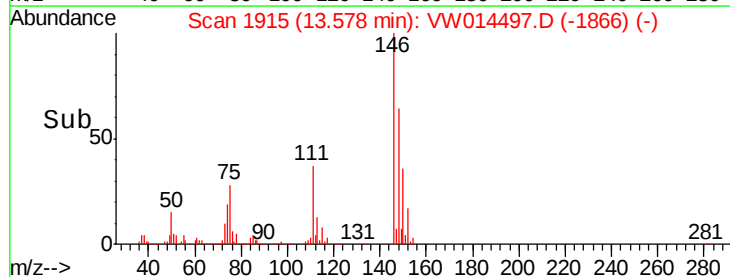
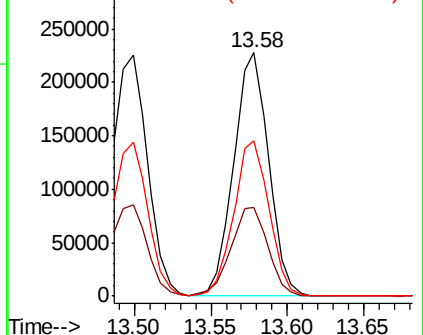
146 100

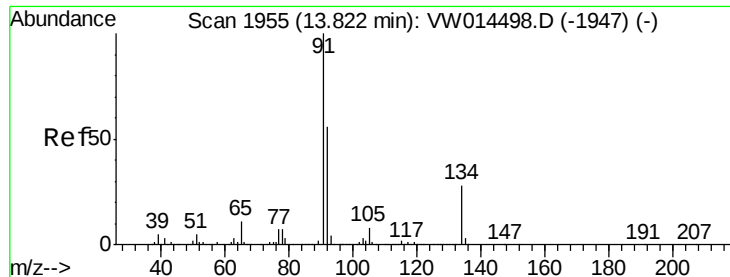
111 39.0 18.7 56.1

148 64.5 31.7 95.1



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: 20.603 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW014497.D

Acq: 03 Jan 2020 14:21

Instrument :

MSVOA_W

ClientSampleId :

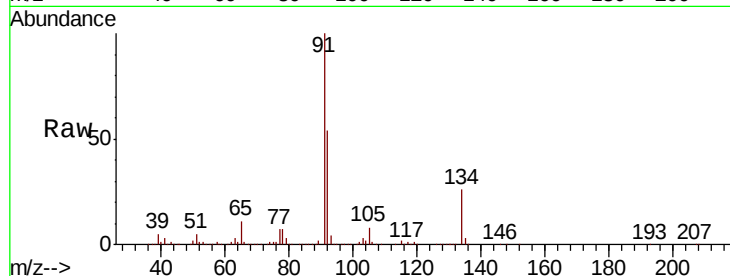
Tot Ion: 91 Resp: 694311

Ion Ratio Lower Upper

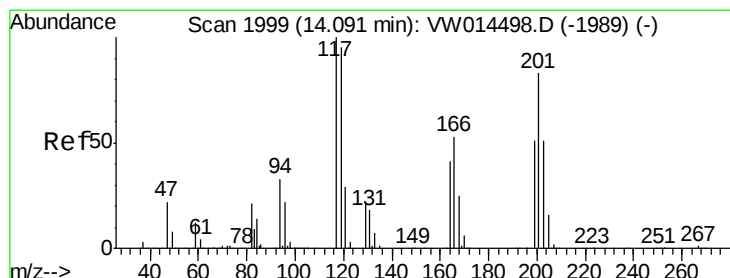
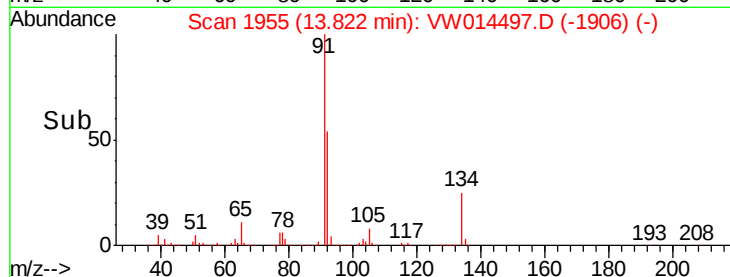
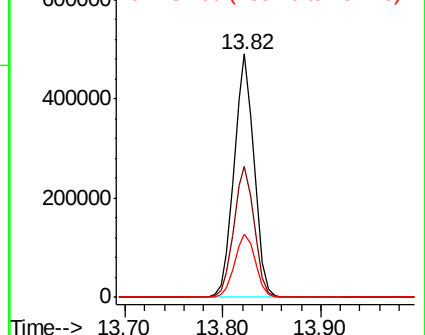
91 100

92 55.2 27.5 82.5

134 27.1 13.7 41.1



Abundance Ion 91.00 (90.70 to 91.70): VW
Ion 92.00 (91.70 to 92.70): VW
Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 19.706 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. -0.00 min

Lab File: VW014497.D

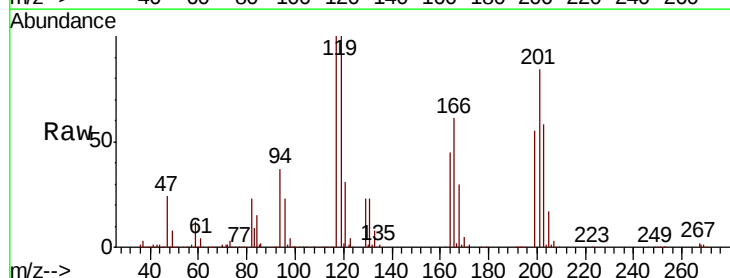
Acq: 03 Jan 2020 14:21

Tgt Ion: 117 Resp: 127124

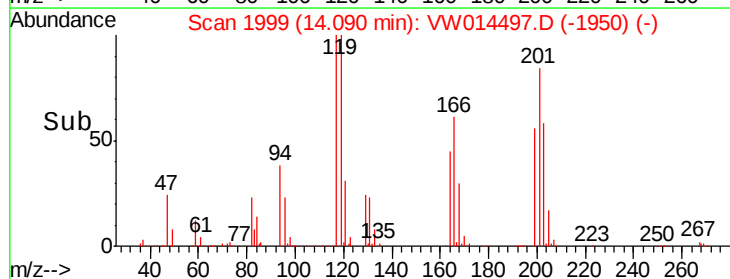
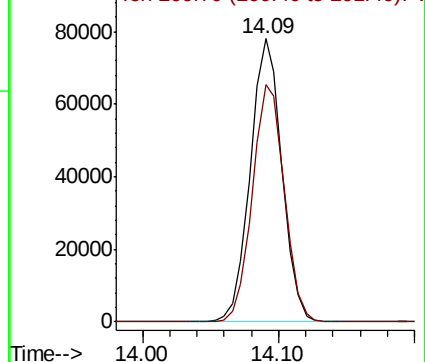
Ion Ratio Lower Upper

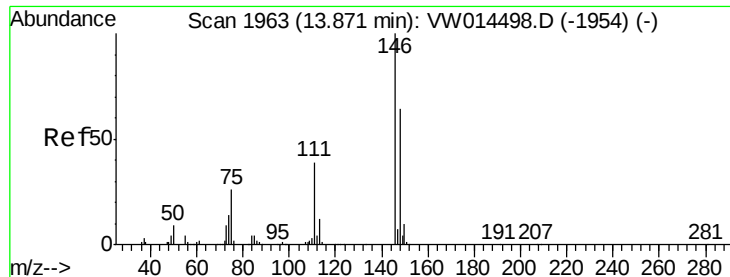
117 100

201 84.9 43.0 128.8



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 200.70 (200.40 to 201.40): V

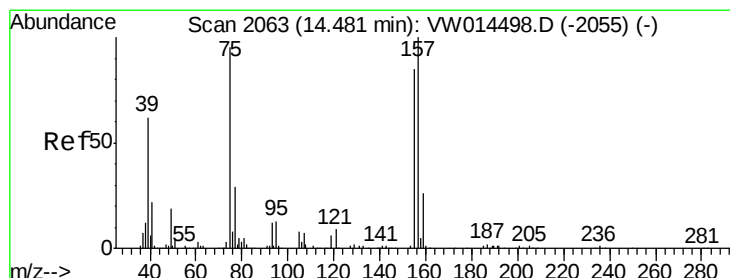
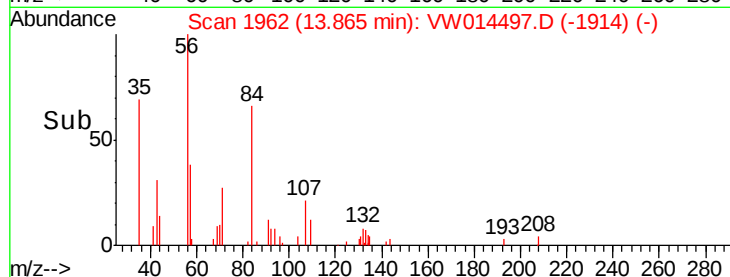
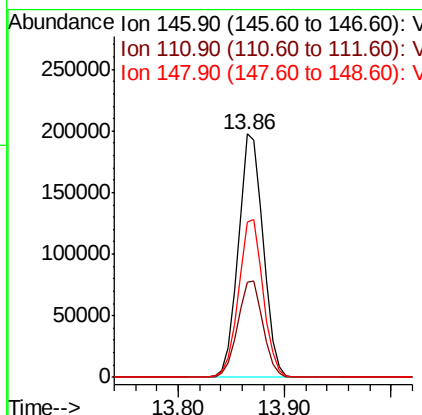
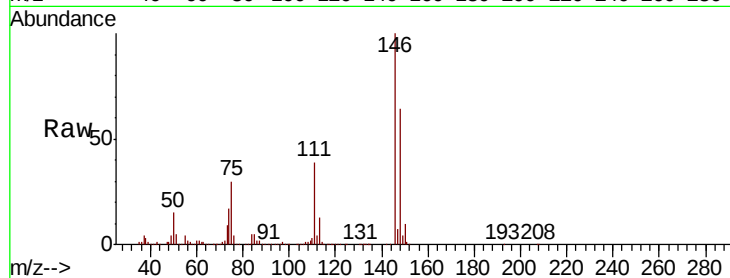




#91
 1,2-Dichlorobenzene
 Concen: 20.676 ug/l
 RT: 13.86 min Scan# 1962
 Delta R.T. -0.01 min
 Lab File: VW014497.D
 Acq: 03 Jan 2020 14:21

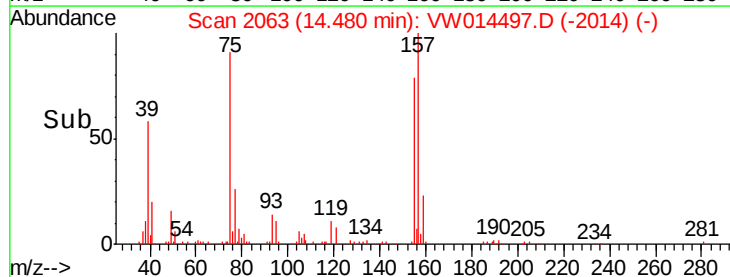
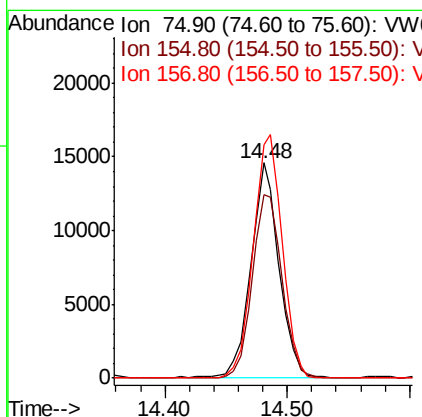
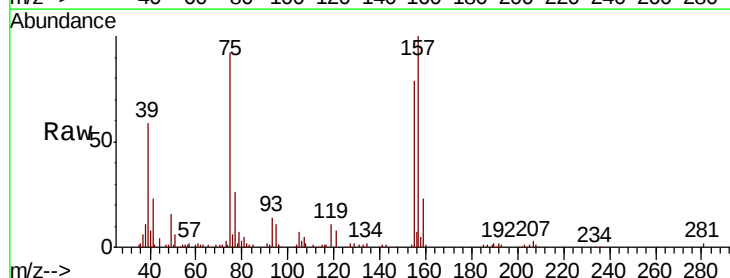
Instrument :
 MSVOA_W
 ClientSampleId :

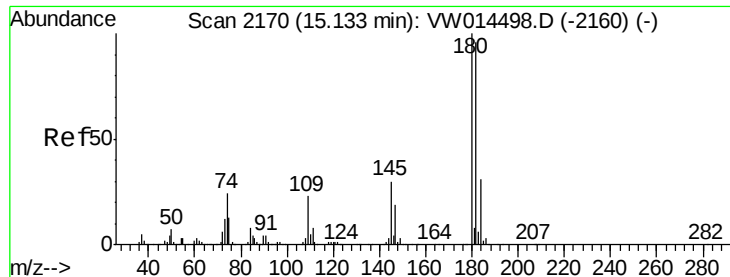
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.2	20.4	61.3
148	64.0	32.3	96.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 23.781 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.00 min
 Lab File: VW014497.D
 Acq: 03 Jan 2020 14:21

Tgt Ion	Ratio	Lower	Upper
75	100		
155	89.8	45.8	137.4
157	116.0	58.1	174.2

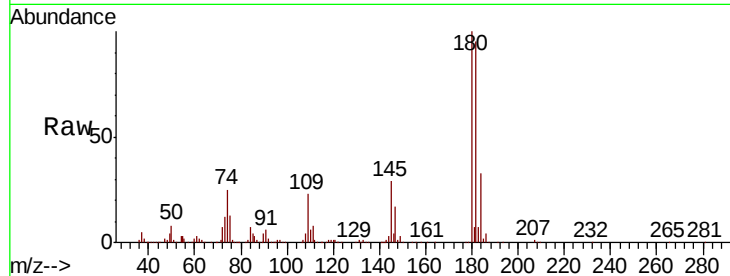




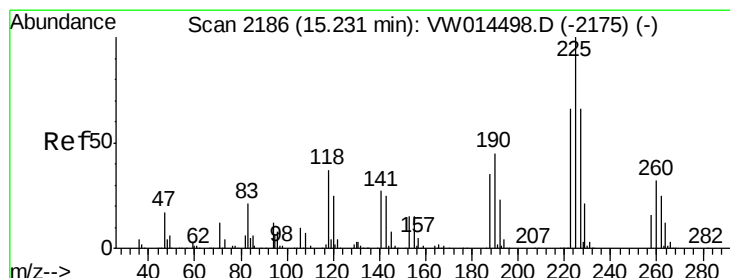
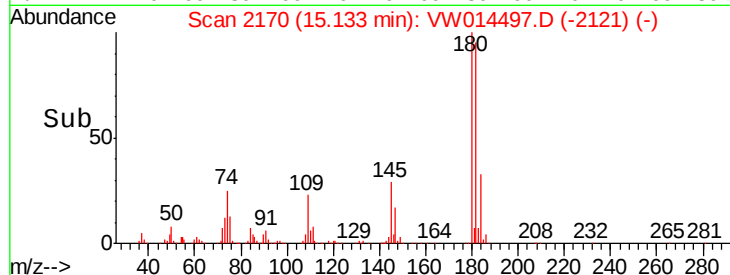
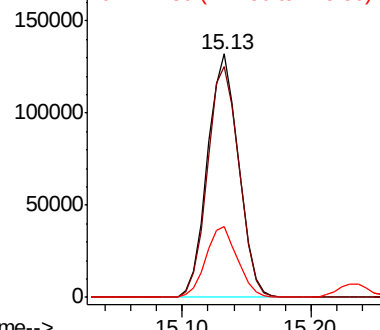
#93
 1,2,4-Trichlorobenzene
 Concen: 19.477 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW014497.D
 Acq: 03 Jan 2020 14:21

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.3	47.3	141.8
145	29.4	14.7	44.1

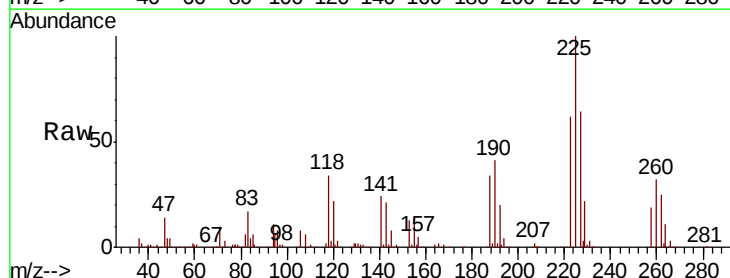


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

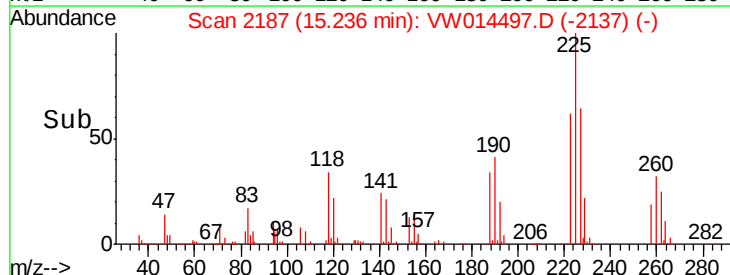
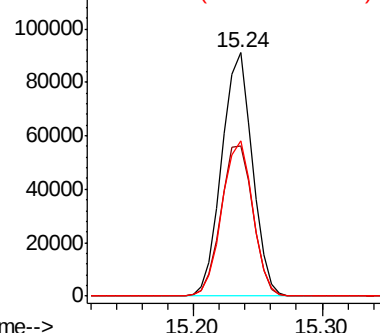


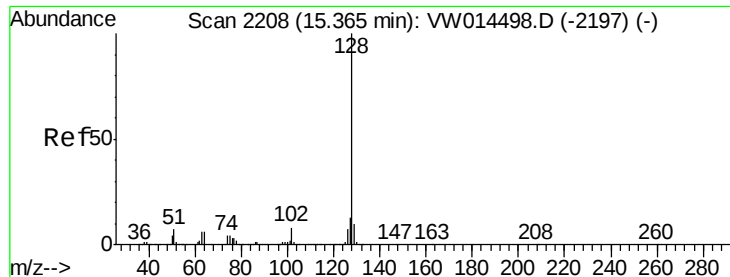
#94
 Hexachlorobutadiene
 Concen: 19.606 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.01 min
 Lab File: VW014497.D
 Acq: 03 Jan 2020 14:21

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.5	32.4	97.2
227	64.2	32.6	97.8



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V

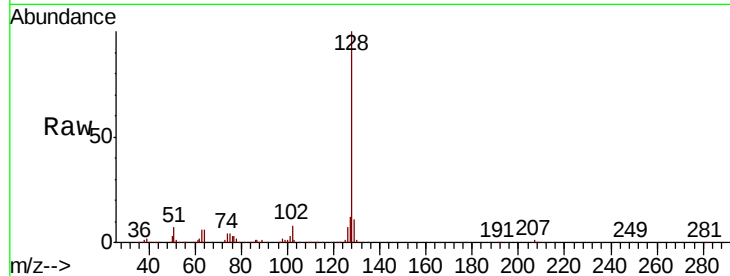




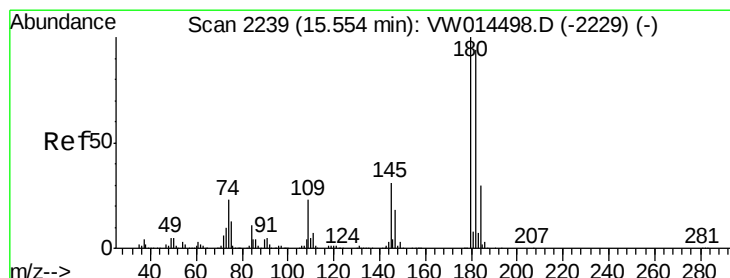
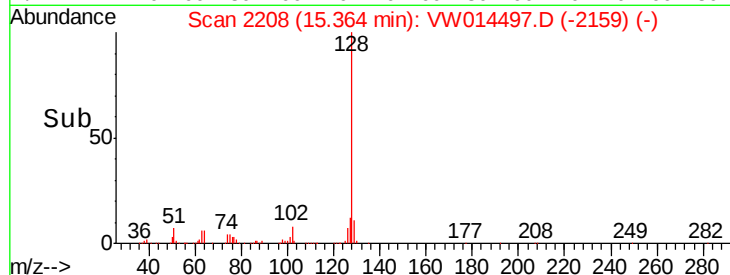
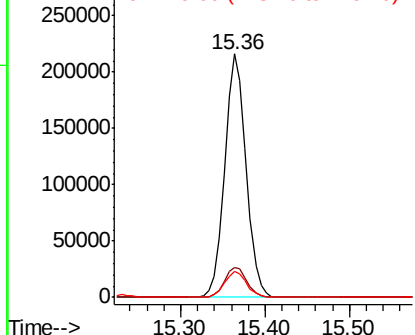
#95
Naphthalene
Concen: 20.529 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.00 min
Lab File: VW014497.D
Acq: 03 Jan 2020 14:21

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:128 Resp: 374860
Ion Ratio Lower Upper
128 100
127 12.9 10.6 15.8
129 10.9 8.7 13.1

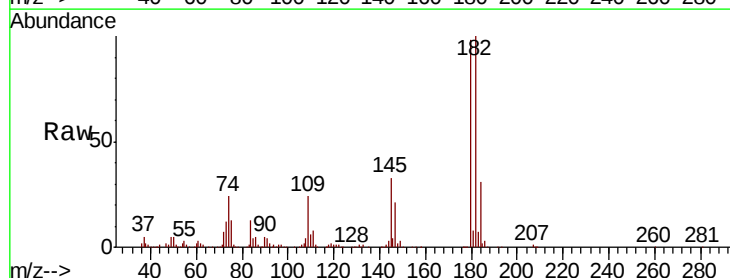


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 19.644 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VW014497.D
Acq: 03 Jan 2020 14:21

Tgt Ion:180 Resp: 192709
Ion Ratio Lower Upper
180 100
182 97.8 47.4 142.2
145 31.0 15.5 46.5



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

