

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW010320\
 Data File : VW014515.D
 Acq On : 03 Jan 2020 22:35
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jan 06 00:47:19 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W010320S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 03 16:07:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	752247	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	1076714	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	919361	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	458356	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	343779	52.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.54%	
35) Dibromofluoromethane	7.88	113	320640	52.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.22%	
50) Toluene-d8	10.32	98	1354253	52.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.46%	
62) 4-Bromofluorobenzene	12.62	95	443563	50.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	227929	53.664	ug/l	97
3) Chloromethane	2.21	50	242823	46.707	ug/l	99
4) Vinyl Chloride	2.36	62	407530	53.295	ug/l	96
5) Bromomethane	2.78	94	230846	48.870	ug/l	98
6) Chloroethane	2.92	64	222383	51.018	ug/l	99
7) Trichlorofluoromethane	3.25	101	172247	45.022	ug/l	99
8) Diethyl Ether	3.68	74	189905	49.888	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.06	101	398134	55.695	ug/l	100
10) Methyl Iodide	4.28	142	523298	48.517	ug/l	99
11) Tert butyl alcohol	5.16	59	149000	298.248	ug/l	99
12) 1,1-Dichloroethene	4.04	96	402054	53.707	ug/l	99
13) Acrolein	3.89	56	169239	294.818	ug/l	98
14) Allyl chloride	4.67	41	575531	50.310	ug/l	99
15) Acrylonitrile	5.36	53	516821	297.025	ug/l	99
16) Acetone	4.12	43	416901	224.487	ug/l	98
17) Carbon Disulfide	4.39	76	1195777	52.998	ug/l	98
18) Methyl Acetate	4.67	43	262389	58.501	ug/l	100
19) Methyl tert-butyl Ether	5.43	73	485123	52.206	ug/l	97
20) Methylene Chloride	4.92	84	386271	51.565	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	403678	50.785	ug/l	97
22) Diisopropyl ether	6.31	45	1088826	50.851	ug/l	99
23) Vinyl Acetate	6.25	43	3570249	276.122	ug/l	100
24) 1,1-Dichloroethane	6.21	63	681169	50.432	ug/l	99
25) 2-Butanone	7.17	43	659075	276.539	ug/l	98
26) 2,2-Dichloropropane	7.16	77	342620	45.818	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	406721	48.696	ug/l	98
28) Bromochloromethane	7.51	49	286783	54.158	ug/l	97
29) Tetrahydrofuran	7.52	42	440409	298.285	ug/l	99
30) Chloroform	7.67	83	628626	49.770	ug/l	99
31) Cyclohexane	7.95	56	750837	53.491	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	526960	51.875	ug/l	99
36) 1,1-Dichloropropene	8.08	75	578810	55.762	ug/l	99
37) Ethyl Acetate	7.25	43	287639	61.100	ug/l	99
38) Carbon Tetrachloride	8.07	117	502987	55.855	ug/l	98

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Quant Time: Jan 06 00:47:19 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W010320S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 03 16:07:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	775568	58.223	ug/l	98
40) Benzene	8.32	78	1530389	52.109	ug/l	100
41) Methacrylonitrile	7.48	41	154263	58.784	ug/l	97
42) 1,2-Dichloroethane	8.40	62	407982	53.531	ug/l	98
43) Isopropyl Acetate	8.42	43	515324	60.282	ug/l	98
44) Trichloroethene	9.09	130	415439	52.276	ug/l	95
45) 1,2-Dichloropropane	9.37	63	374470	51.961	ug/l	98
46) Dibromomethane	9.46	93	191476	53.819	ug/l	99
47) Bromodichloromethane	9.64	83	460038	52.374	ug/l	99
48) Methyl methacrylate	9.43	41	253153	60.653	ug/l	98
49) 1,4-Dioxane	9.44	88	81326	1222.161	ug/l	99
51) 4-Methyl-2-Pentanone	10.21	43	1417236	319.247	ug/l	99
52) Toluene	10.38	92	961643	52.048	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	473837	52.101	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	568654	51.161	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	277839	53.471	ug/l	98
56) Ethyl methacrylate	10.64	69	397305	58.836	ug/l	97
57) 1,3-Dichloropropane	10.93	76	492885	53.972	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	606460	295.295	ug/l	98
59) 2-Hexanone	10.96	43	972459	317.893	ug/l	99
60) Dibromochloromethane	11.13	129	310876	53.026	ug/l	100
61) 1,2-Dibromoethane	11.23	107	267855	54.307	ug/l	99
64) Tetrachloroethene	10.86	164	358310	53.834	ug/l	97
65) Chlorobenzene	11.66	112	970185	51.510	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	332694	52.462	ug/l	99
67) Ethyl Benzene	11.73	91	1791813	52.789	ug/l	99
68) m/p-Xylenes	11.84	106	1367357	105.255	ug/l	99
69) o-Xylene	12.16	106	626209	52.184	ug/l	99
70) Styrene	12.18	104	1078728	53.148	ug/l	99
71) Bromoform	12.35	173	191287	55.300	ug/l #	99
73) Isopropylbenzene	12.46	105	1787581	53.151	ug/l	100
74) N-amyl acetate	12.27	43	458374	60.785	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	346832	57.135	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	438401	101.161	ug/l #	100
77) Bromobenzene	12.74	156	396334	50.739	ug/l	97
78) n-propylbenzene	12.80	91	2124279	53.714	ug/l	99
79) 2-Chlorotoluene	12.89	91	1149252	51.065	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	1466429	51.930	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	110097	56.603	ug/l	96
82) 4-Chlorotoluene	12.99	91	1195623	51.134	ug/l	99
83) tert-Butylbenzene	13.20	119	1300885	52.617	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	1445965	51.455	ug/l	100
85) sec-Butylbenzene	13.38	105	1862947	54.437	ug/l	99
86) p-Isopropyltoluene	13.49	119	1654434	53.039	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	768906	50.621	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	749196	49.960	ug/l	99
89) n-Butylbenzene	13.82	91	1565458	54.043	ug/l	99
90) Hexachloroethane	14.09	117	277537	50.932	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	676530	50.675	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	58144	60.485	ug/l	97

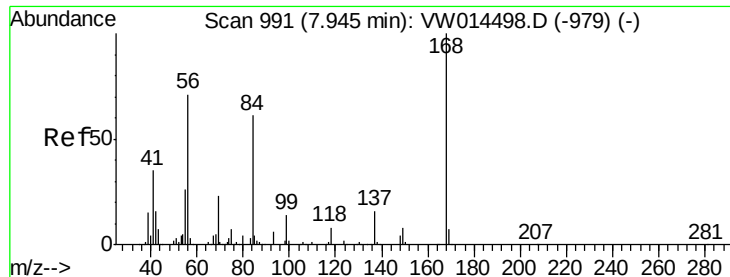
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Quant Title : SW846 8260
QLast Update : Fri Jan 03 16:07:20 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	467684	51.875	ug/l	99
94) Hexachlorobutadiene	15.23	225	307498	50.896	ug/l	99
95) Naphthalene	15.36	128	919320	59.791	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	419751	53.414	ug/l	100

(#) = 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: VW014515.D

Acq: 03 Jan 2020 22:35

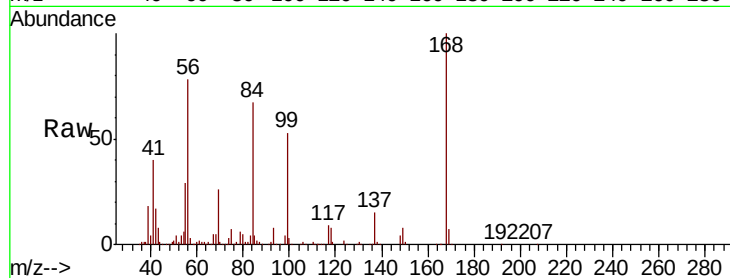
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 752247

Ion Ratio Lower Upper

168 100

99 52.6 41.1 61.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

400000

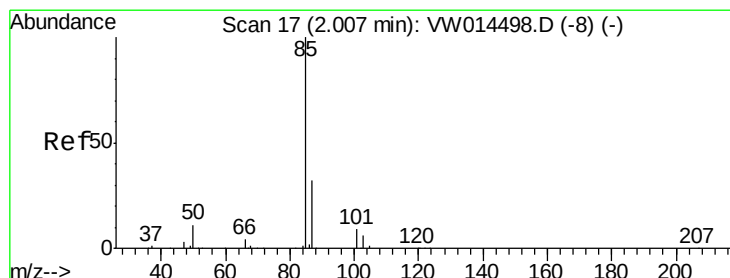
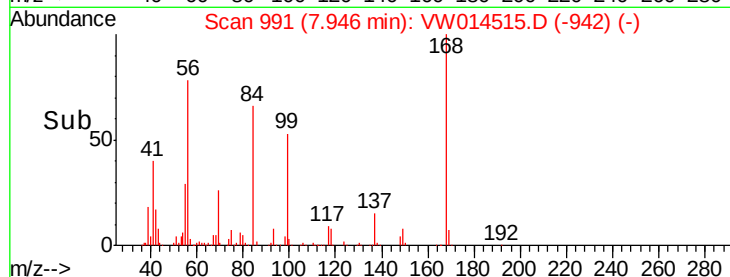
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 53.664 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW014515.D

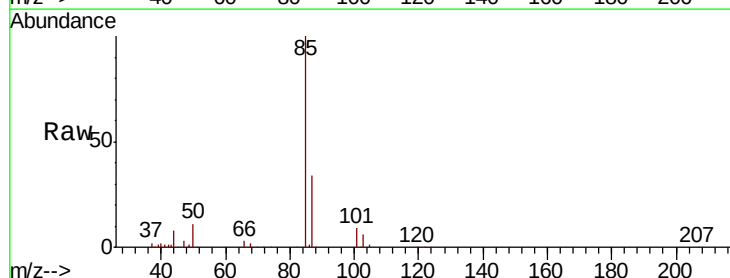
Acq: 03 Jan 2020 22:35

Tgt Ion: 85 Resp: 227929

Ion Ratio Lower Upper

85 100

87 33.9 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

80000

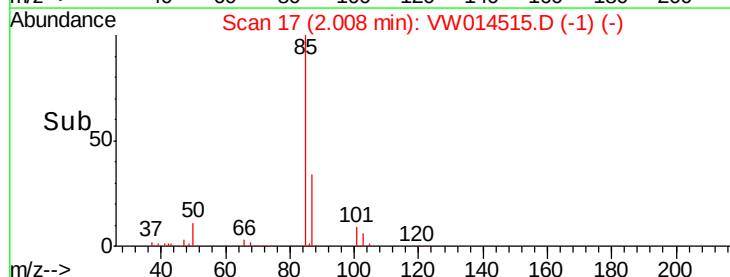
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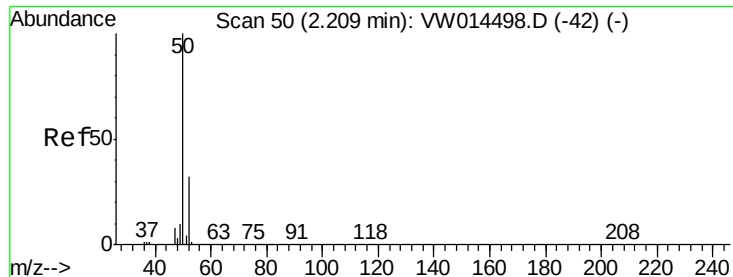
40000

20000

0

Time-->





#3

Chloromethane

Concen: 46.707 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.01 min

Lab File: VW014515.D

Acq: 03 Jan 2020 22:35

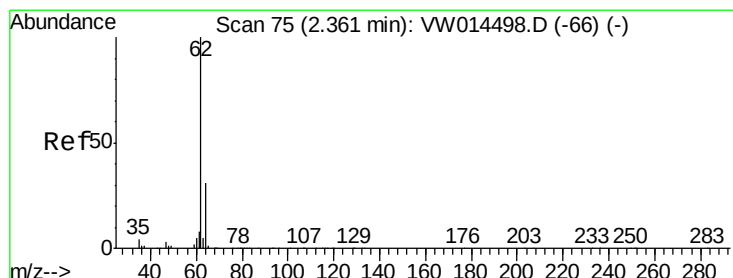
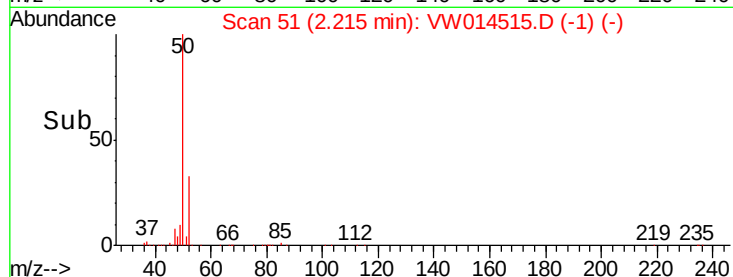
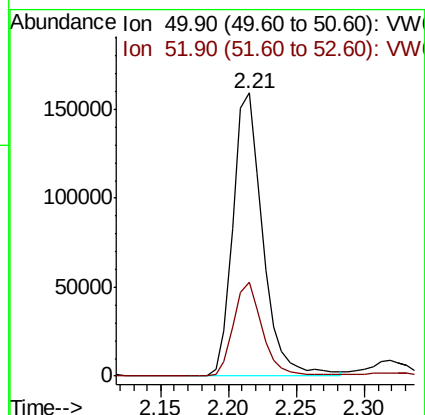
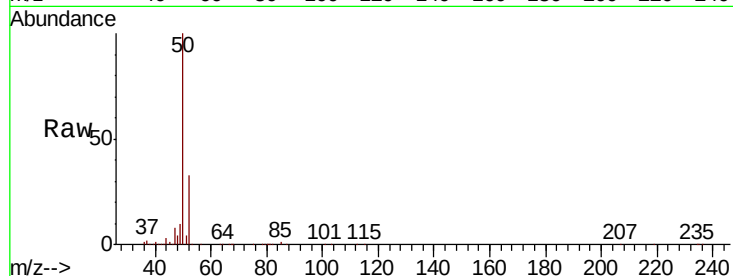
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 50 Resp: 242823

Ion Ratio Lower Upper

50 100

52 33.1 25.8 38.8



#4

Vinyl Chloride

Concen: 53.295 ug/l

RT: 2.36 min Scan# 75

Delta R.T. 0.00 min

Lab File: VW014515.D

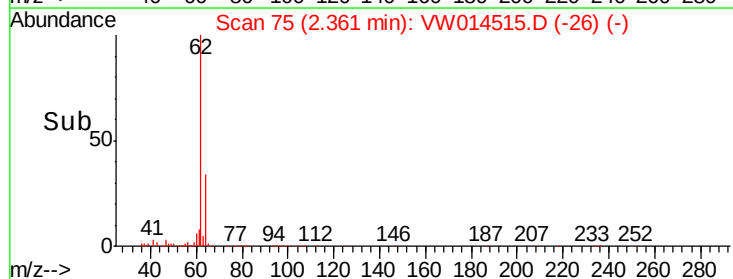
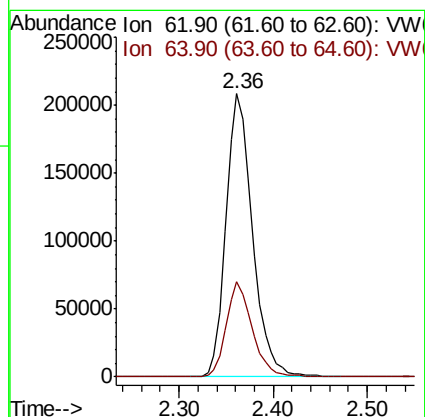
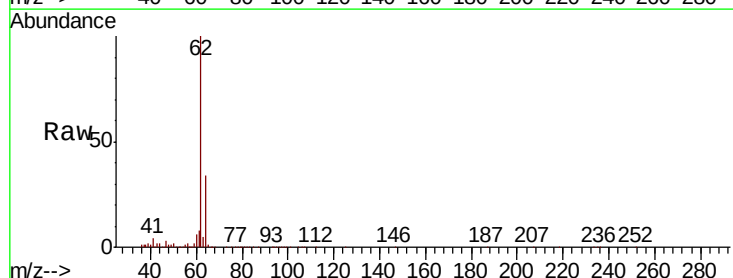
Acq: 03 Jan 2020 22:35

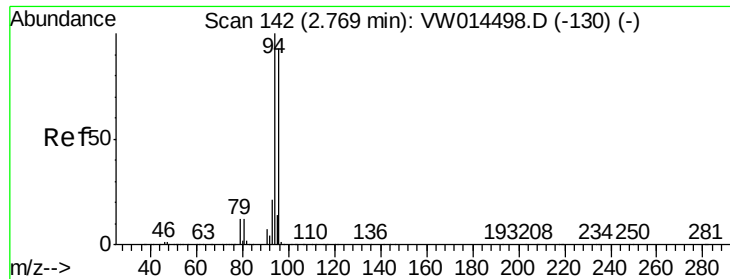
Tgt Ion: 62 Resp: 407530

Ion Ratio Lower Upper

62 100

64 33.6 25.0 37.4





#5

Bromomethane

Concen: 48.870 ug/l

RT: 2.78 min Scan# 143

Delta R.T. 0.01 min

Lab File: VW014515.D

Acq: 03 Jan 2020 22:35

Instrument :

MSVOA_W

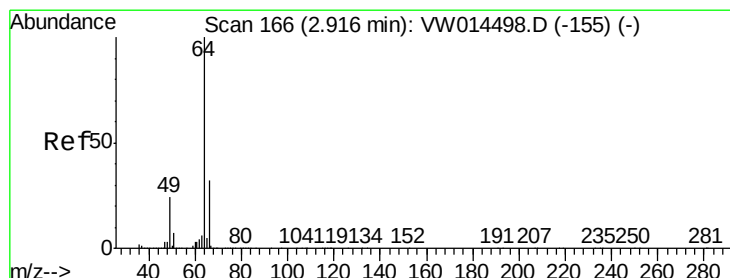
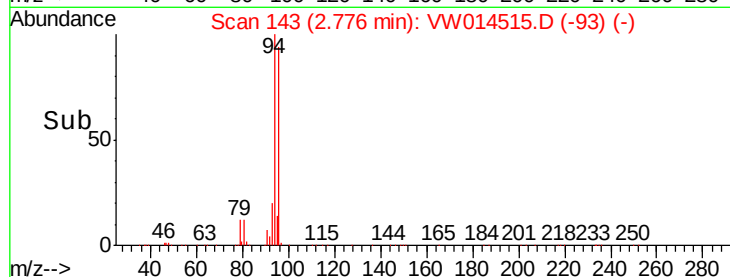
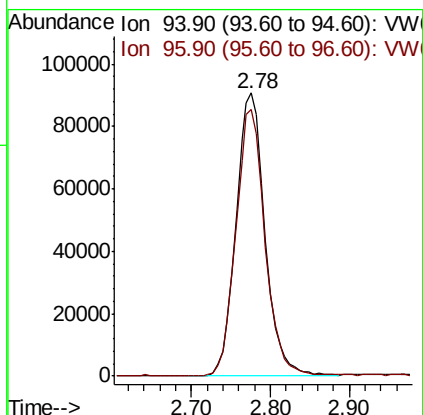
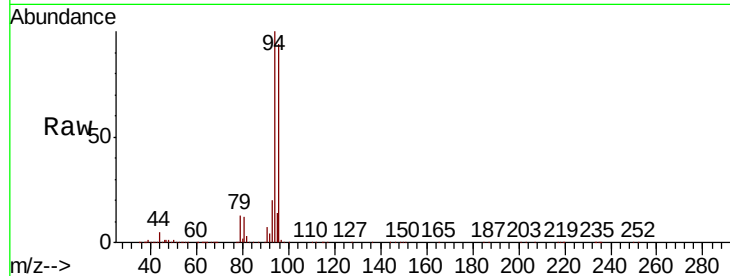
ClientSampled :

Tot Ion: 94 Resp: 230846

Ion Ratio Lower Upper

94 100

96 94.2 74.2 111.2



#6

Chloroethane

Concen: 51.018 ug/l

RT: 2.92 min Scan# 167

Delta R.T. 0.01 min

Lab File: VW014515.D

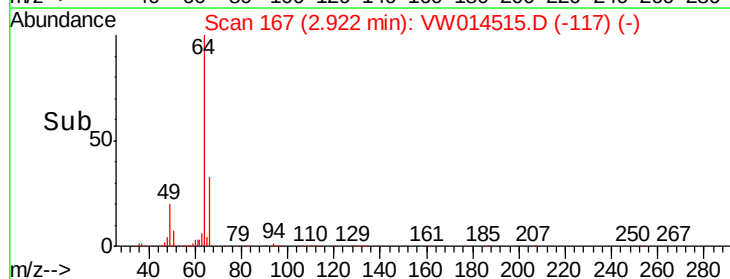
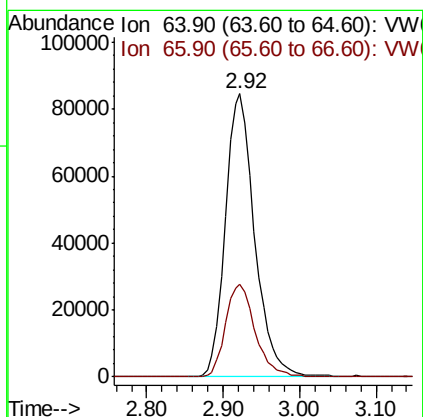
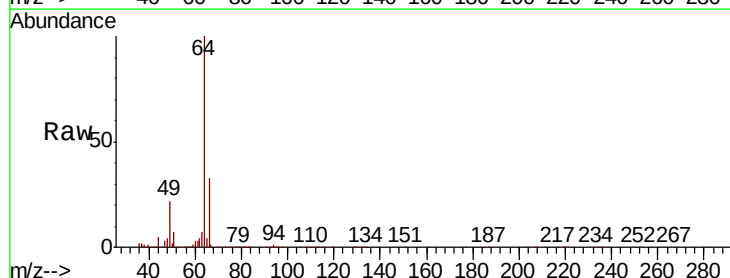
Acq: 03 Jan 2020 22:35

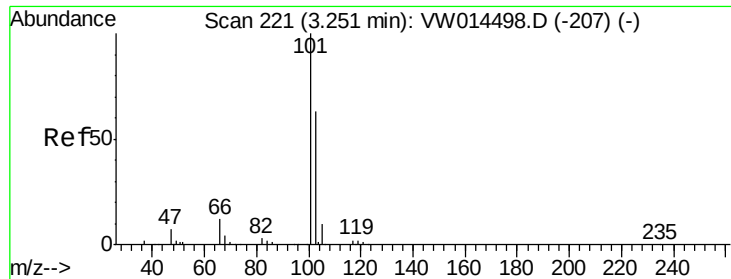
Tgt Ion: 64 Resp: 222383

Ion Ratio Lower Upper

64 100

66 32.7 25.7 38.5



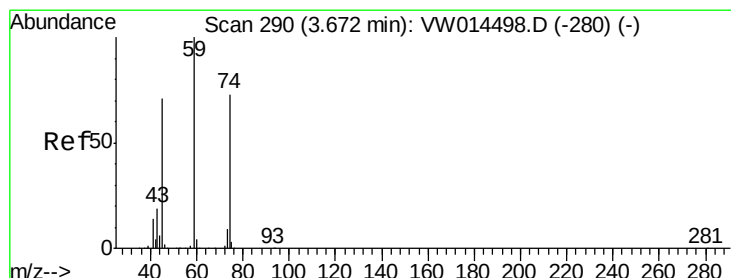
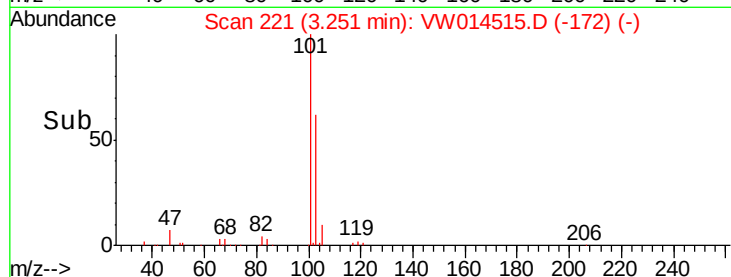
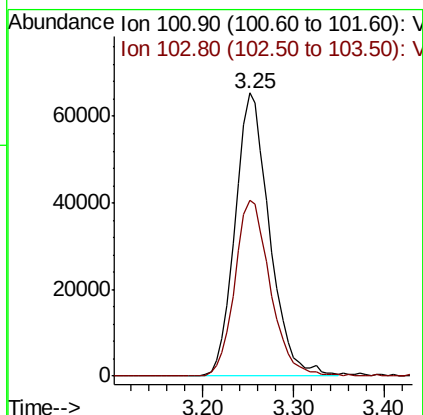
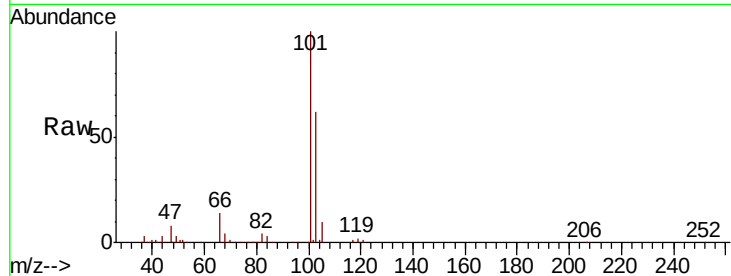


#7

Trichlorofluoromethane
Concen: 45.022 ug/l
RT: 3.25 min Scan# 221
Delta R.T. 0.00 min
Lab File: VW014515.D
Acq: 03 Jan 2020 22:35

Instrument :
MSVOA_W
ClientSampleId :

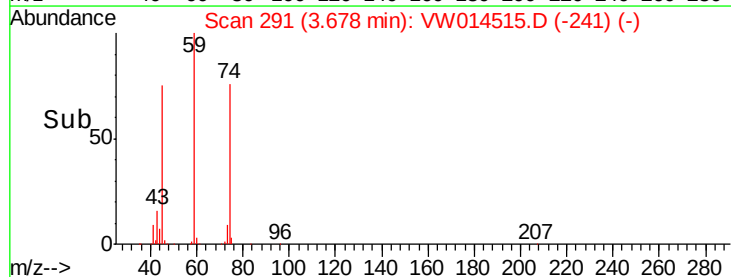
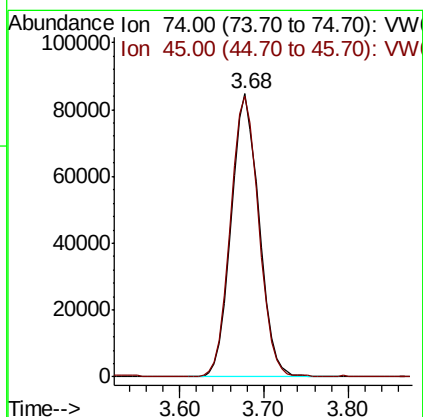
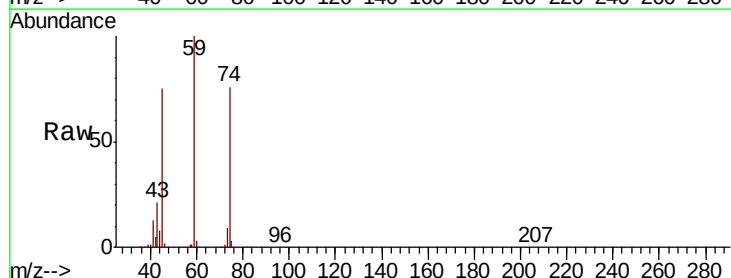
Tot Ion:101 Resp: 172247
Ion Ratio Lower Upper
101 100
103 62.0 50.1 75.1

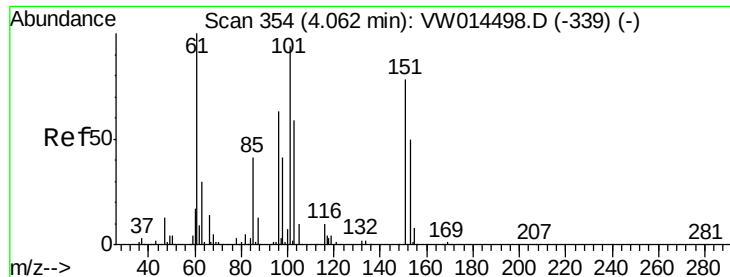


#8

Diethyl Ether
Concen: 49.888 ug/l
RT: 3.68 min Scan# 291
Delta R.T. 0.01 min
Lab File: VW014515.D
Acq: 03 Jan 2020 22:35

Tgt Ion: 74 Resp: 189905
Ion Ratio Lower Upper
74 100
45 100.1 48.6 145.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 55.695 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

Lab File: VW014515.D

Acq: 03 Jan 2020 22:35

Instrument :

MSVOA_W

ClientSampled :

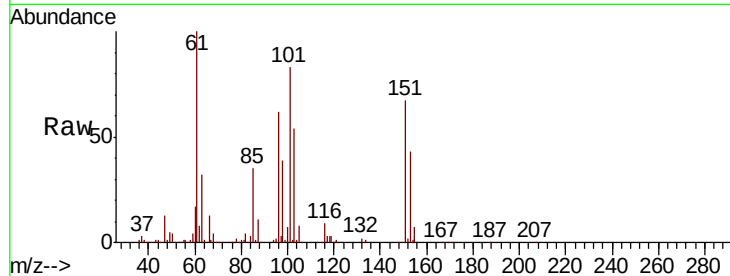
Tot Ion:101 Resp: 398134

Ion Ratio Lower Upper

101 100

85 42.4 33.7 50.5

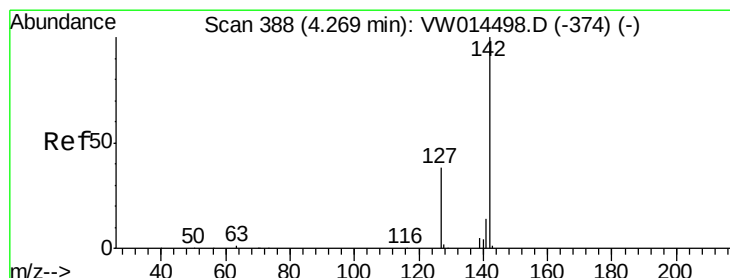
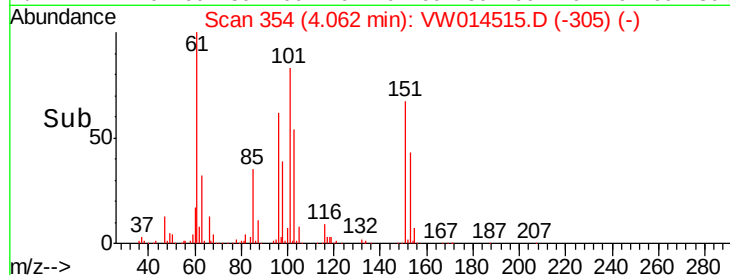
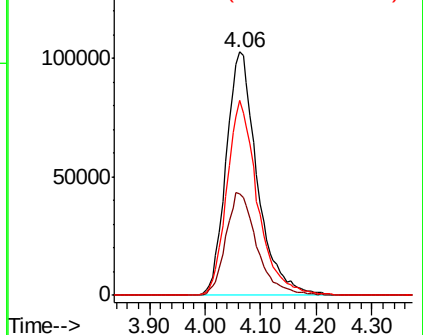
151 79.3 63.5 95.3



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: 48.517 ug/l

RT: 4.28 min Scan# 389

Delta R.T. 0.01 min

Lab File: VW014515.D

Acq: 03 Jan 2020 22:35

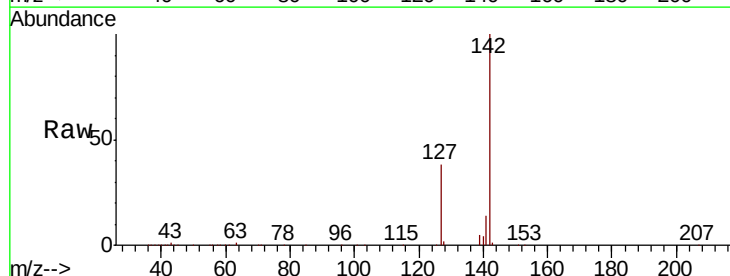
Tgt Ion:142 Resp: 523298

Ion Ratio Lower Upper

142 100

127 39.0 30.2 45.4

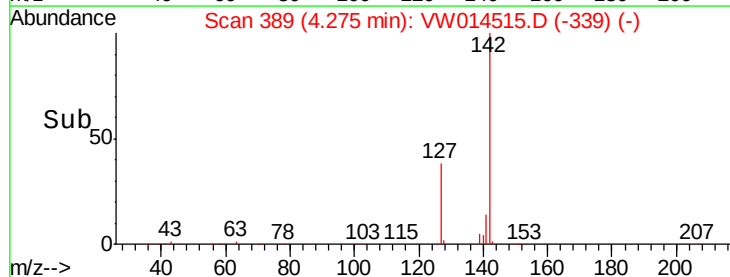
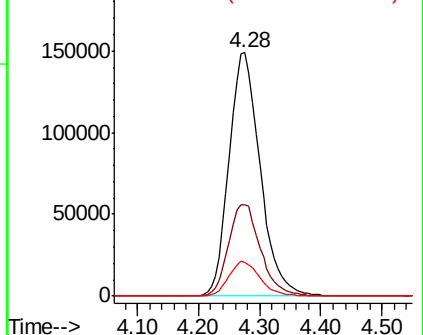
141 14.3 11.4 17.2

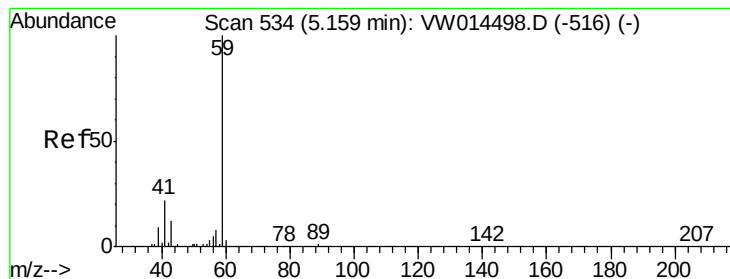


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 298.248 ug/l

RT: 5.16 min Scan# 534

Delta R.T. 0.00 min

Lab File: VW014515.D

Acq: 03 Jan 2020 22:35

Instrument :

MSVOA_W

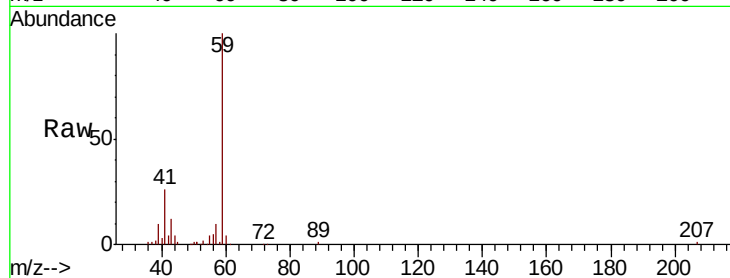
ClientSampleId :

Tot Ion: 59 Resp: 149000

Ion Ratio Lower Upper

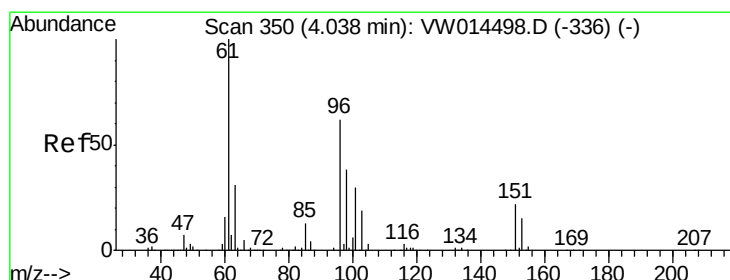
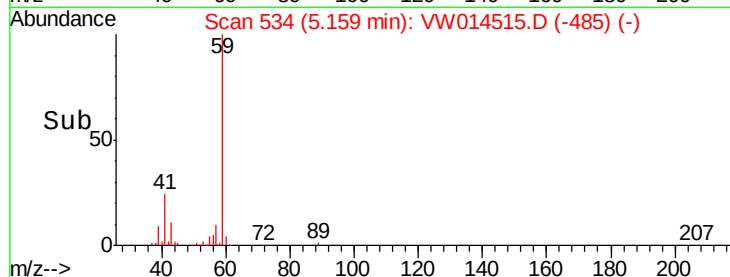
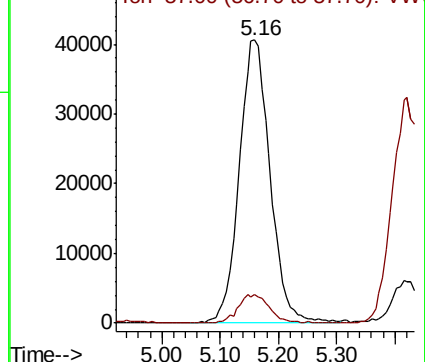
59 100

57 10.1 7.8 11.8



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW



#12

1,1-Dichloroethene

Concen: 53.707 ug/l

RT: 4.04 min Scan# 350

Delta R.T. 0.00 min

Lab File: VW014515.D

Acq: 03 Jan 2020 22:35

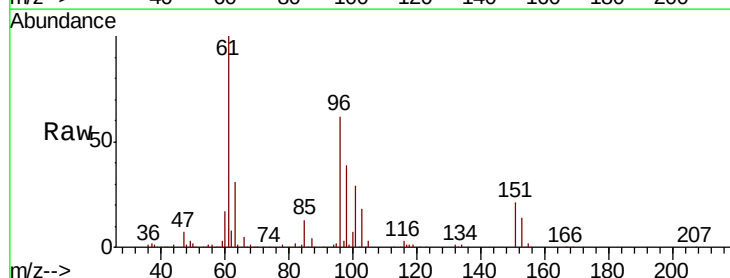
Tgt Ion: 96 Resp: 402054

Ion Ratio Lower Upper

96 100

61 161.7 128.4 192.6

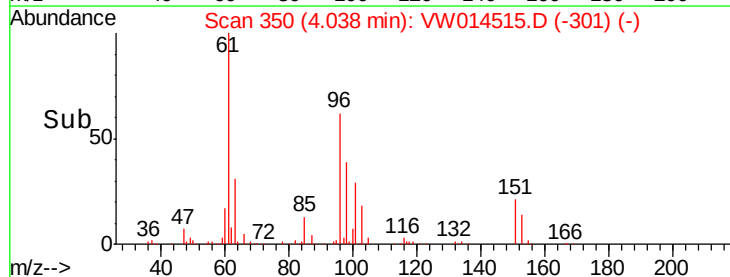
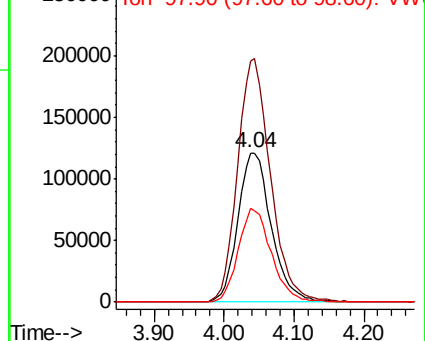
98 63.3 49.1 73.7

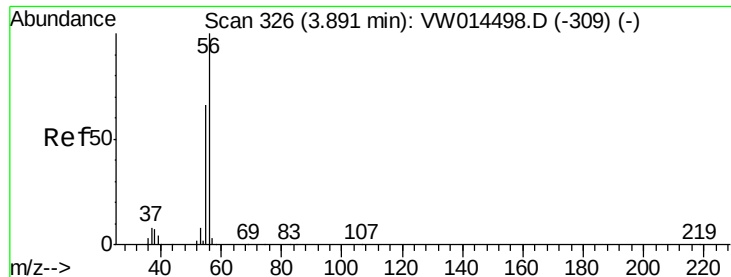


Abundance Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW





#13

Acrolein

Concen: 294.818 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.00 min

Lab File: VW014515.D

Acq: 03 Jan 2020 22:35

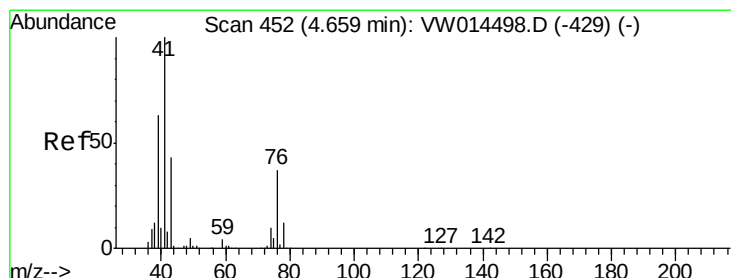
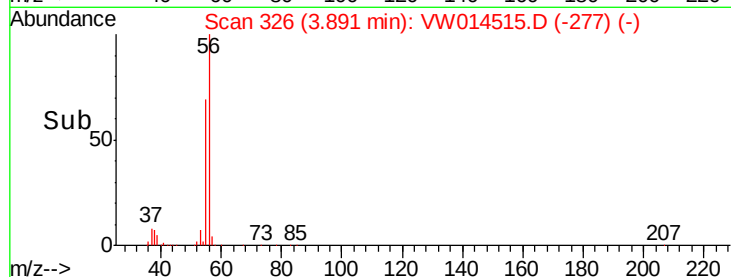
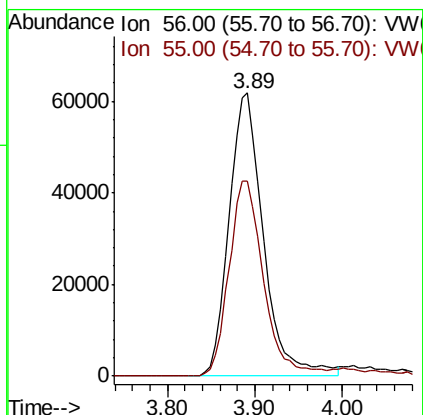
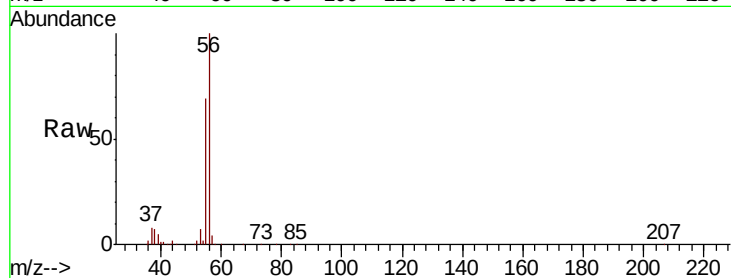
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 56 Resp: 169239

Ion Ratio Lower Upper

56 100

55 69.0 56.7 85.1



#14

Allyl chloride

Concen: 50.310 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.01 min

Lab File: VW014515.D

Acq: 03 Jan 2020 22:35

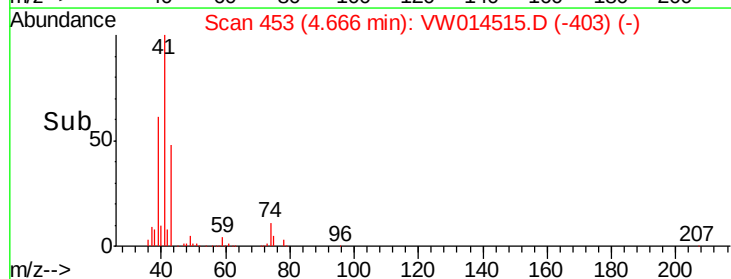
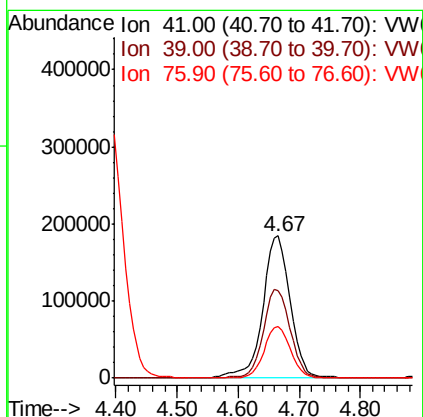
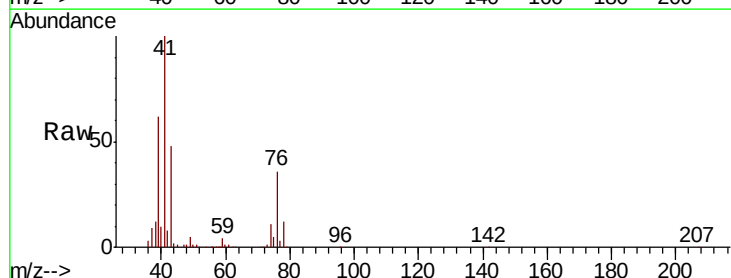
Tgt Ion: 41 Resp: 575531

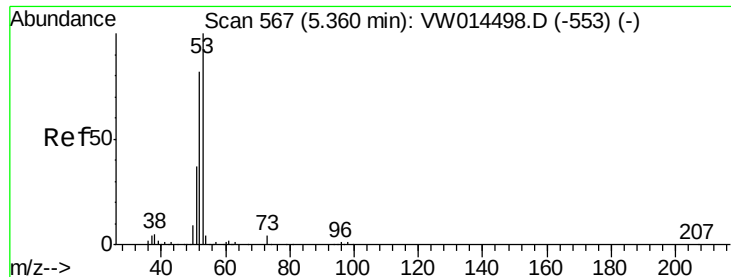
Ion Ratio Lower Upper

41 100

39 61.7 48.5 72.7

76 34.7 28.1 42.1





#15

Acrylonitrile

Concen: 297.025 ug/l

RT: 5.36 min Scan# 567

Delta R.T. 0.00 min

Lab File: VW014515.D

Acq: 03 Jan 2020 22:35

Instrument :

MSVOA_W

ClientSampled :

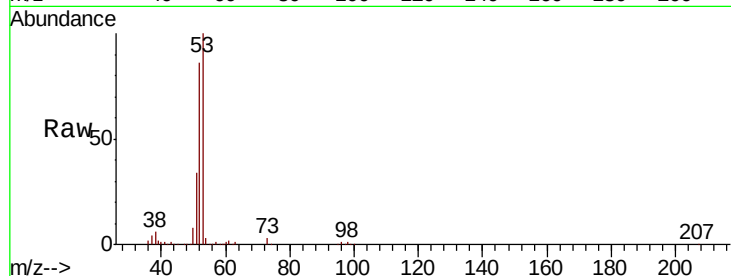
Tot Ion: 53 Resp: 516821

Ion Ratio Lower Upper

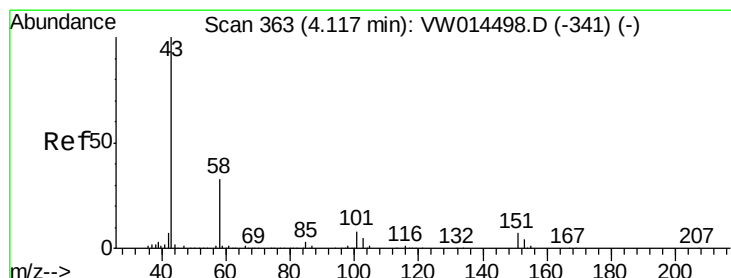
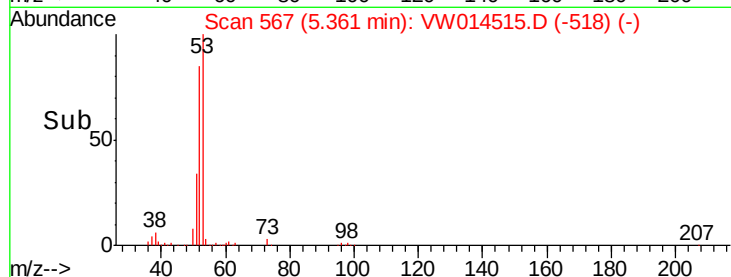
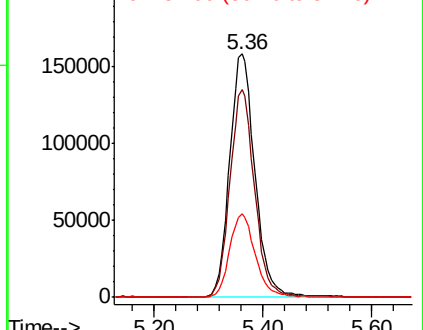
53 100

52 82.5 66.5 99.7

51 34.8 28.4 42.6



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



#16

Acetone

Concen: 224.487 ug/l

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

Lab File: VW014515.D

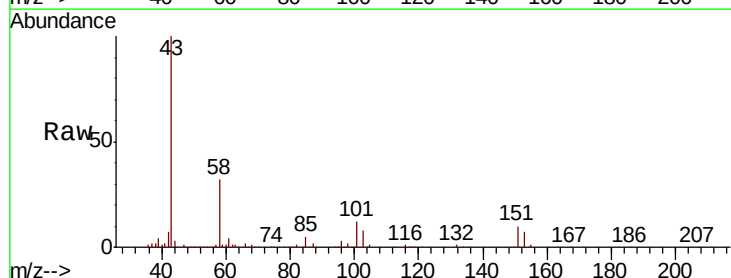
Acq: 03 Jan 2020 22:35

Tgt Ion: 43 Resp: 416901

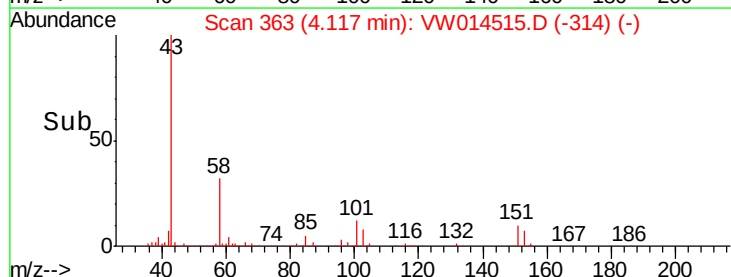
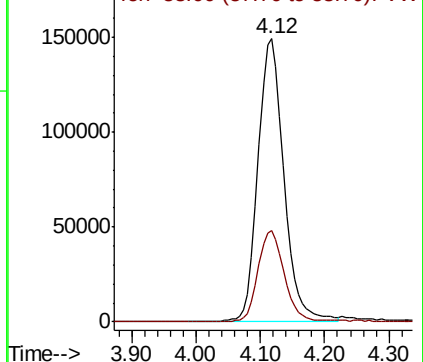
Ion Ratio Lower Upper

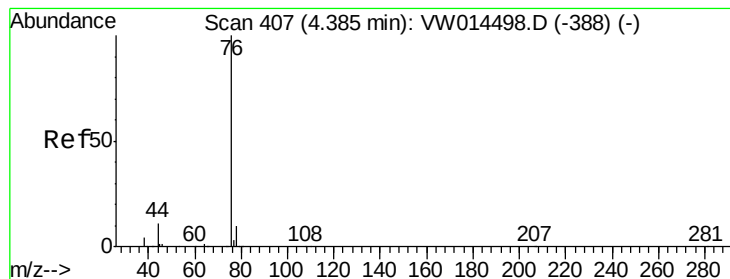
43 100

58 32.0 26.6 39.8



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





#17

Carbon Disulfide

Concen: 52.998 ug/l

RT: 4.39 min Scan# 407

Delta R.T. 0.00 min

Lab File: VW014515.D

Acq: 03 Jan 2020 22:35

Instrument :

MSVOA_W

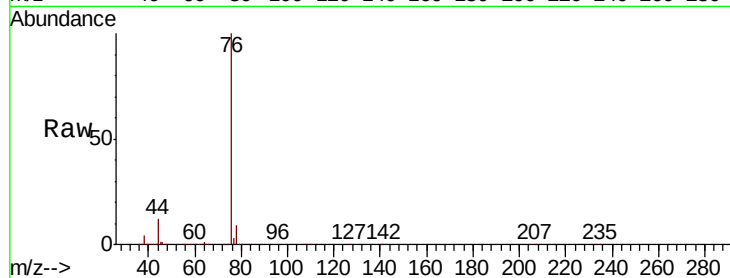
ClientSampled :

Tot Ion: 76 Resp: 1195777

Ion Ratio Lower Upper

76 100

78 9.0 7.8 11.6



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW

4.39

400000

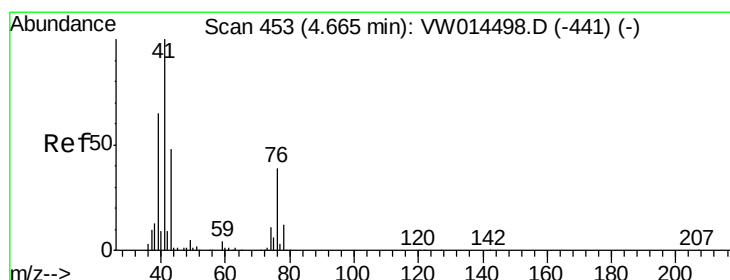
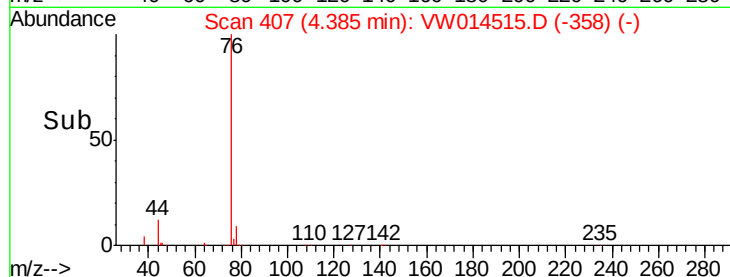
300000

200000

100000

0

Time--> 4.20 4.30 4.40 4.50 4.60



#18

Methyl Acetate

Concen: 58.501 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.00 min

Lab File: VW014515.D

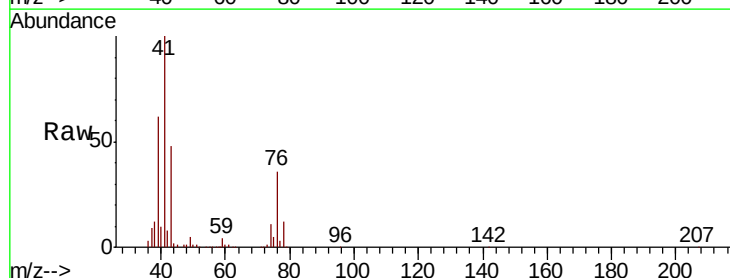
Acq: 03 Jan 2020 22:35

Tgt Ion: 43 Resp: 262389

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

100000

80000

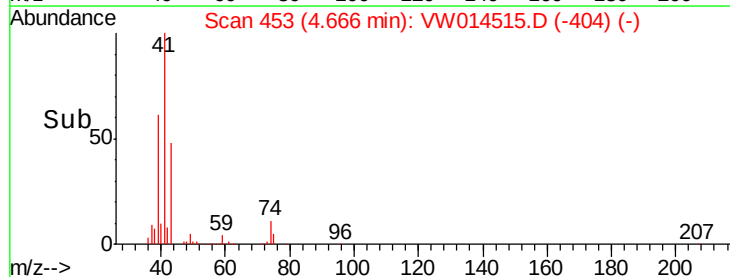
60000

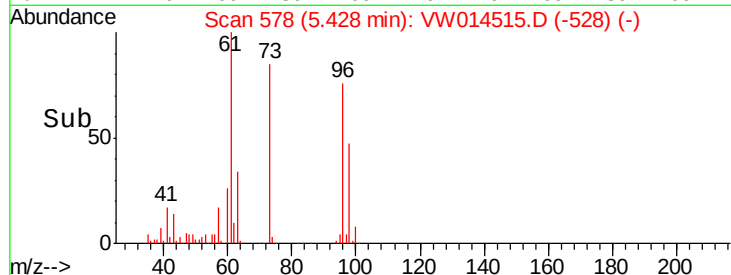
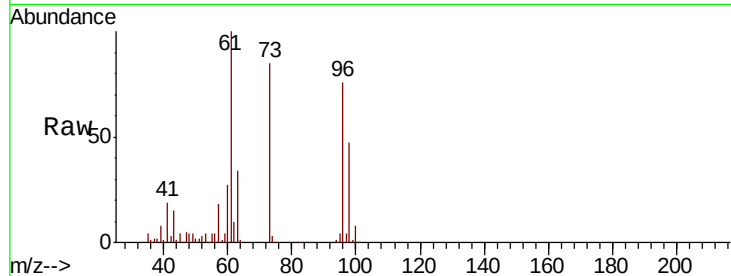
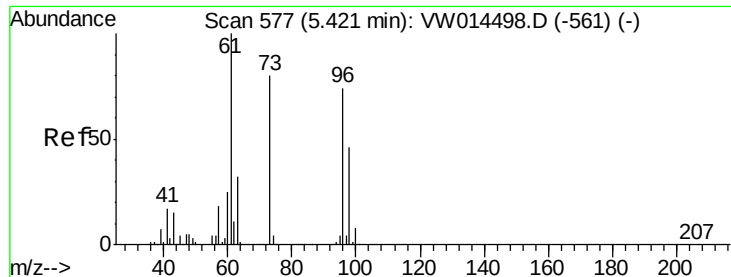
40000

20000

0

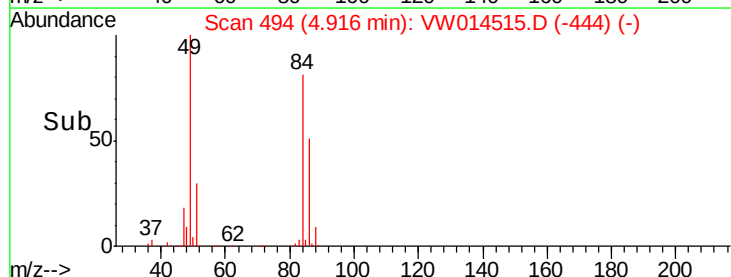
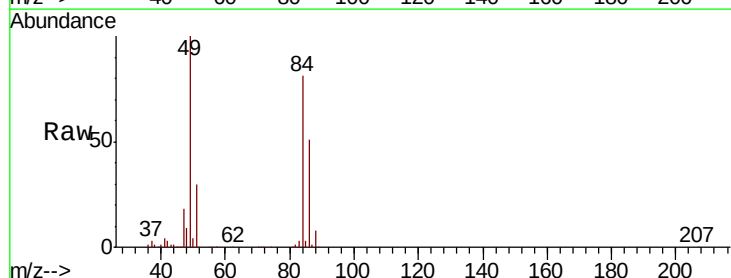
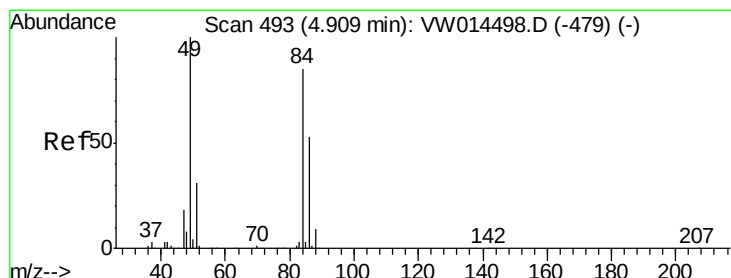
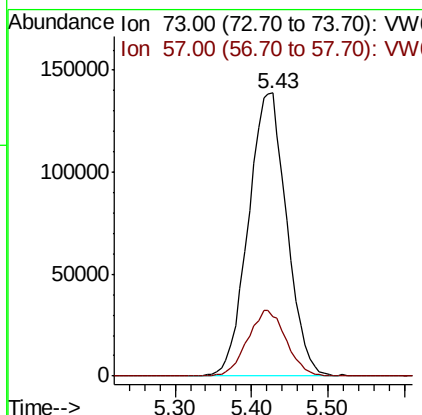
Time--> 4.50 4.60 4.70 4.80





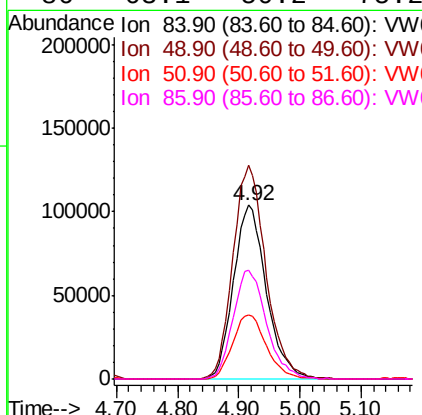
#19
Methyl tert-butyl Ether
Concen: 52.206 ug/l
RT: 5.43 min Scan# 578
Delta R.T. 0.01 min
Lab File: VW014515.D
Acq: 03 Jan 2020 22:35

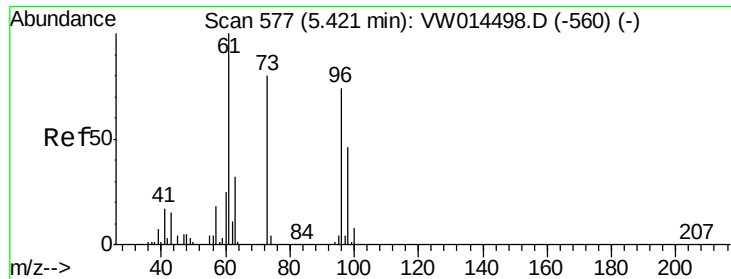
Tot Ion: 73 Resp: 485123
Ion Ratio Lower Upper
73 100
57 21.1 18.1 27.1



#20
Methylene Chloride
Concen: 51.565 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.01 min
Lab File: VW014515.D
Acq: 03 Jan 2020 22:35

Tgt Ion: 84 Resp: 386271
Ion Ratio Lower Upper
84 100
49 123.1 94.4 141.6
51 37.1 29.5 44.3
86 63.1 50.2 75.2





#21

trans-1,2-Dichloroethene

Concen: 50.785 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.00 min

Lab File: VW014515.D

Acq: 03 Jan 2020 22:35

Instrument :

MSVOA_W

ClientSampled :

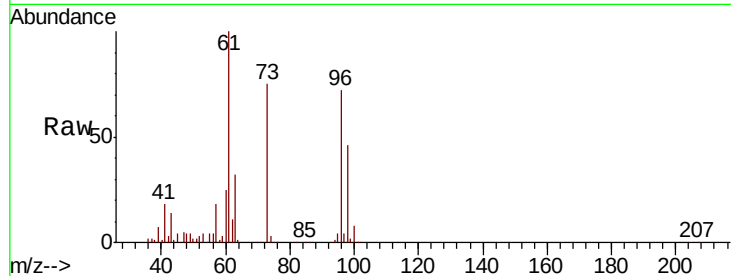
Tot Ion: 96 Resp: 403678

Ion Ratio Lower Upper

96 100

61 139.4 107.8 161.6

98 63.5 49.4 74.0

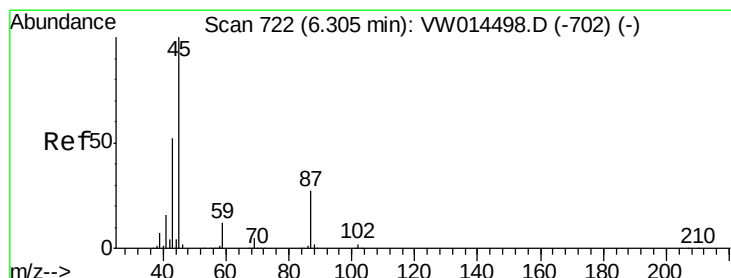
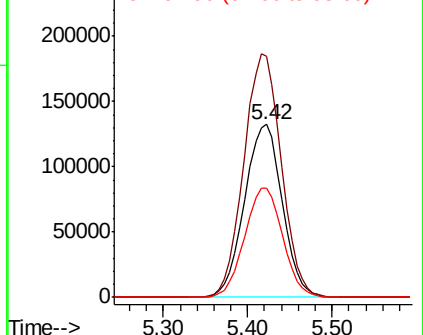
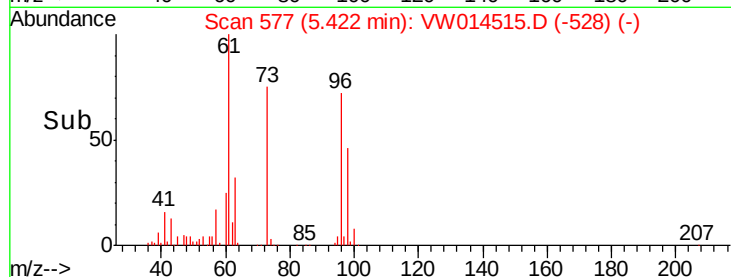


Abundance

Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW



#22

Diisopropyl ether

Concen: 50.851 ug/l

RT: 6.31 min Scan# 722

Delta R.T. 0.00 min

Lab File: VW014515.D

Acq: 03 Jan 2020 22:35

Tgt Ion: 45 Resp: 1088826

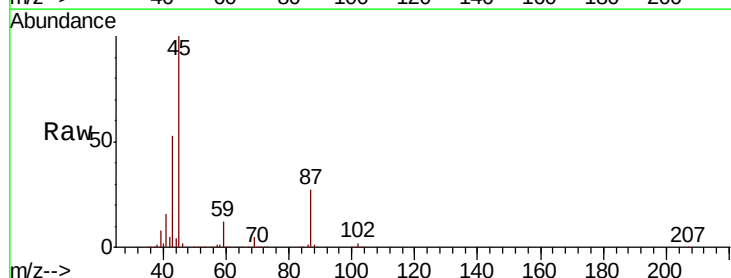
Ion Ratio Lower Upper

45 100

43 53.0 41.4 62.0

87 27.0 22.2 33.2

59 11.8 9.5 14.3



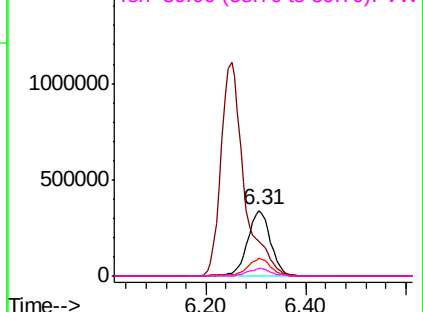
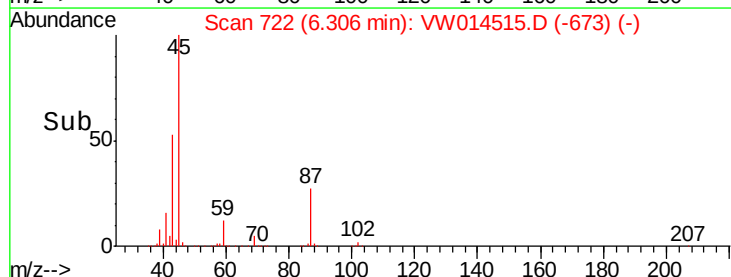
Abundance

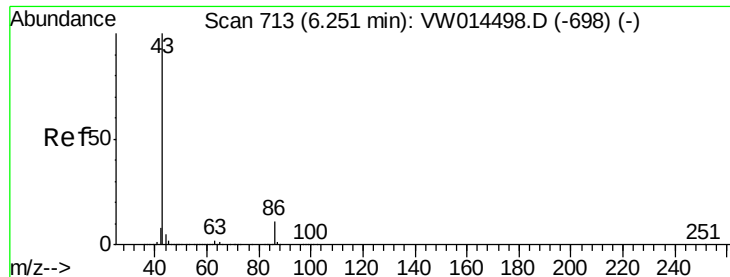
Ion 45.00 (44.70 to 45.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 87.00 (86.70 to 87.70): VW

Ion 59.00 (58.70 to 59.70): VW





#23

Vinyl Acetate

Concen: 276.122 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW014515.D

Acq: 03 Jan 2020 22:35

Instrument :

MSVOA_W

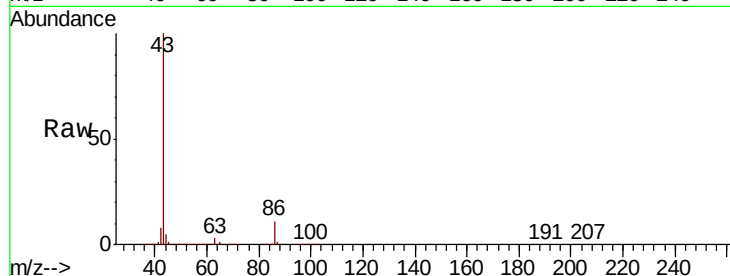
ClientSampleId :

Tot Ion: 43 Resp: 3570249

Ion Ratio Lower Upper

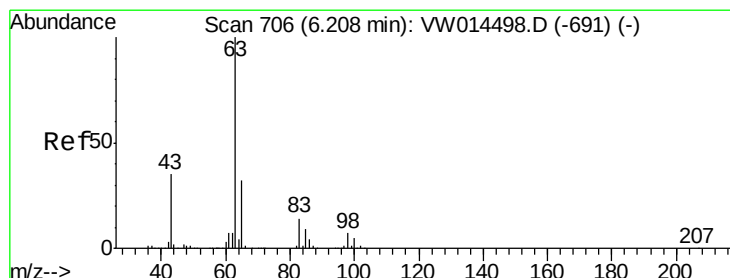
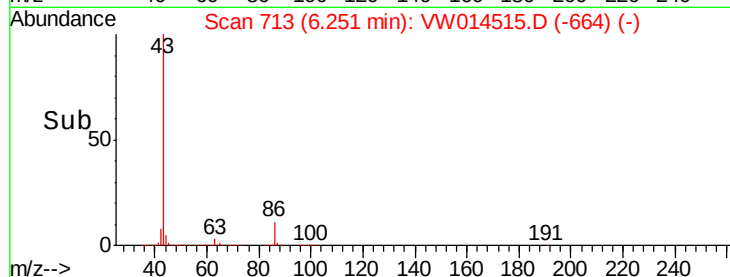
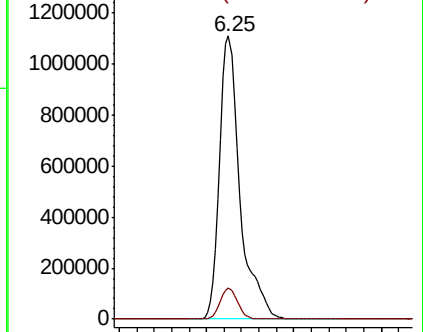
43 100

86 10.9 8.8 13.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 50.432 ug/l

RT: 6.21 min Scan# 706

Delta R.T. 0.00 min

Lab File: VW014515.D

Acq: 03 Jan 2020 22:35

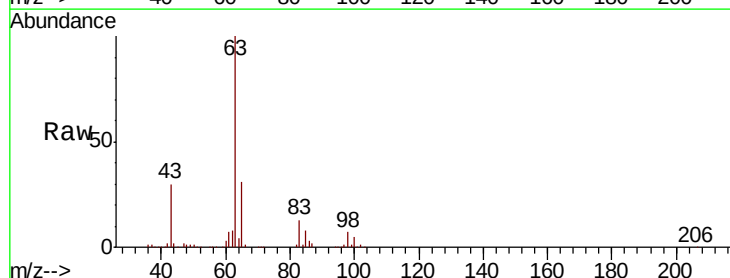
Tgt Ion: 63 Resp: 681169

Ion Ratio Lower Upper

63 100

98 7.5 3.5 10.4

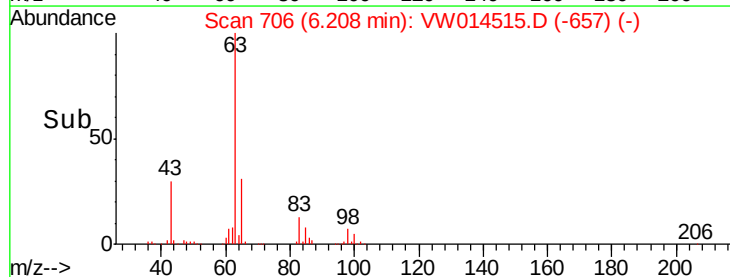
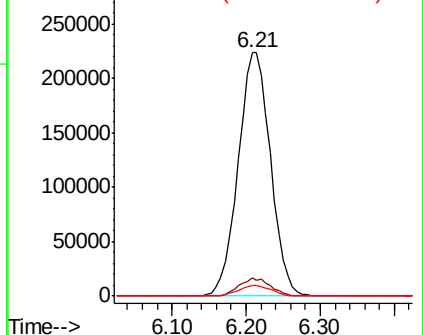
100 4.6 2.5 7.4

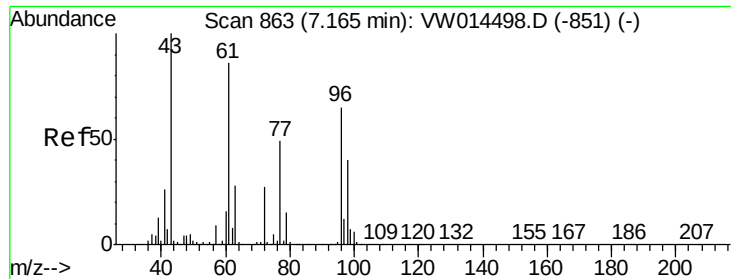


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 276.539 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW014515.D

Acq: 03 Jan 2020 22:35

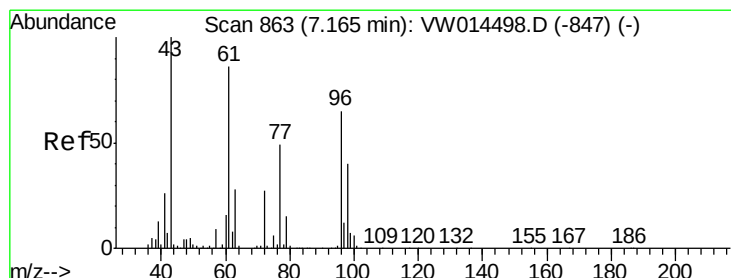
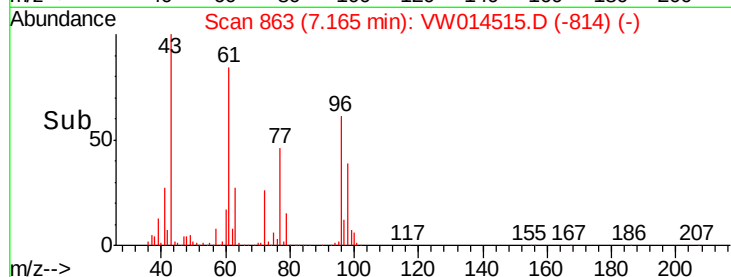
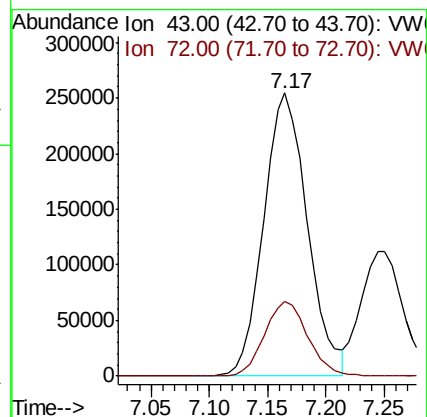
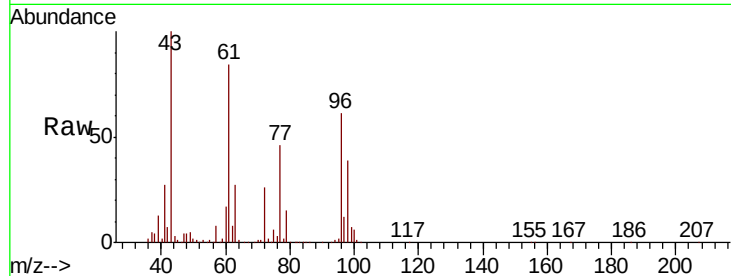
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 659075

Ion Ratio Lower Upper

43 100

72 26.3 21.9 32.9



#26

2,2-Dichloropropane

Concen: 45.818 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW014515.D

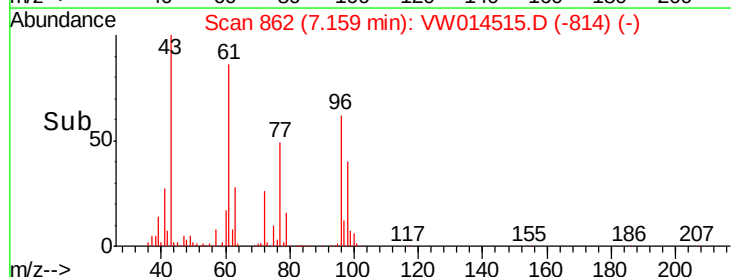
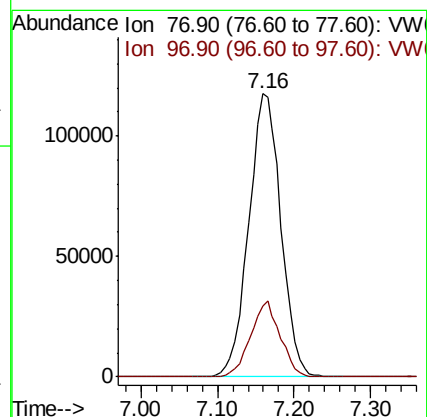
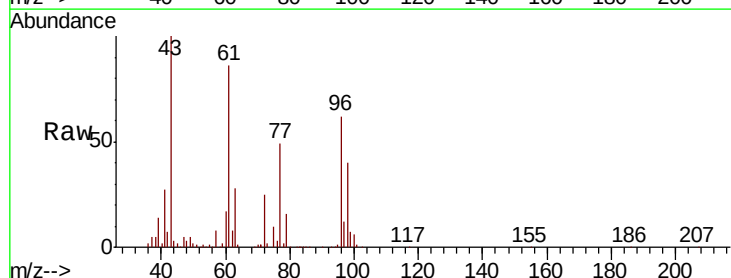
Acq: 03 Jan 2020 22:35

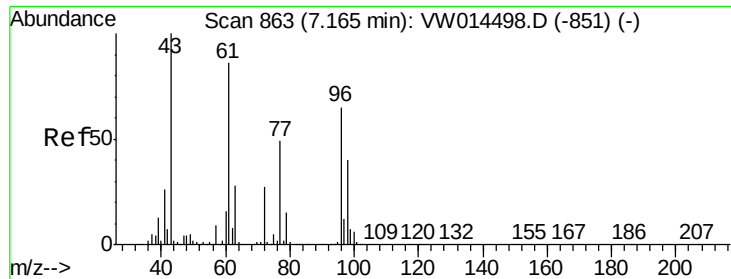
Tgt Ion: 77 Resp: 342620

Ion Ratio Lower Upper

77 100

97 24.7 12.5 37.5



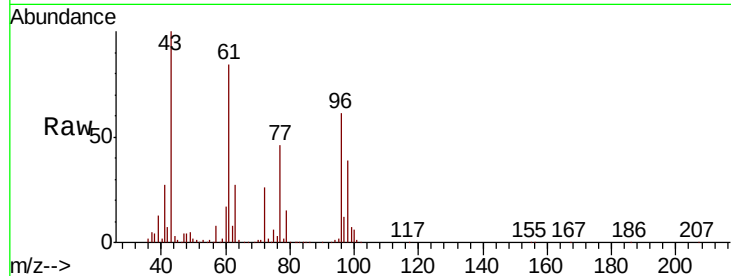


#27

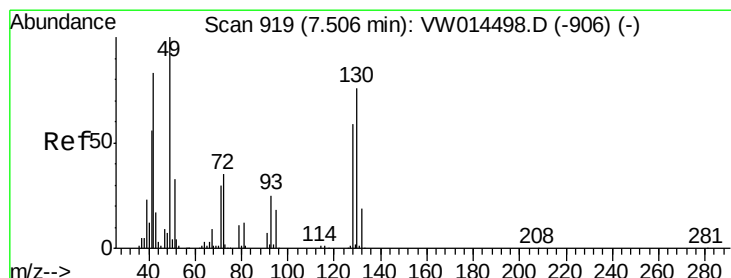
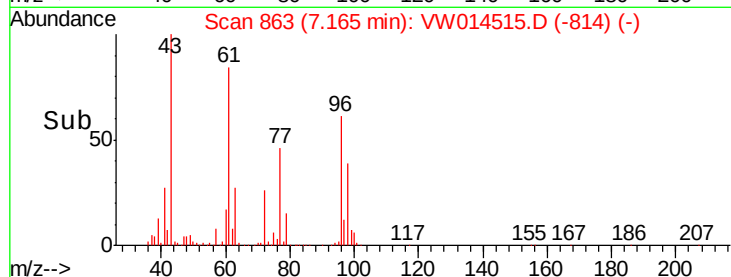
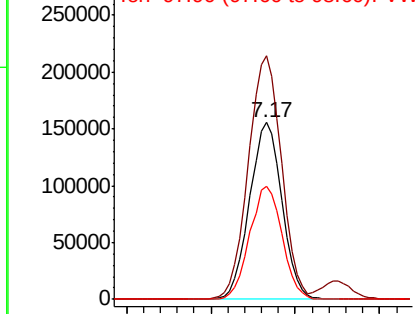
cis-1,2-Dichloroethene
Concen: 48.696 ug/l
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW014515.D
Acq: 03 Jan 2020 22:35

Instrument :
MSVOA_W
ClientSampled :

Tot Ion	Ratio	Lower	Upper
96	100		
61	140.7	0.0	274.8
98	64.3	0.0	128.6



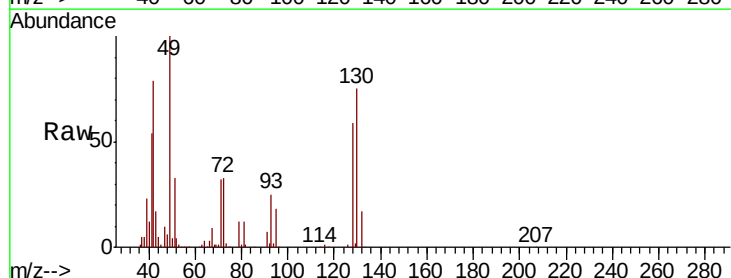
Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



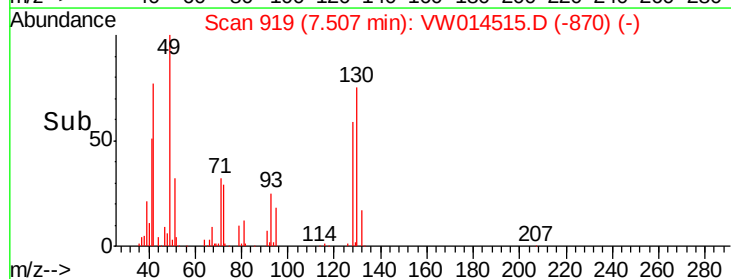
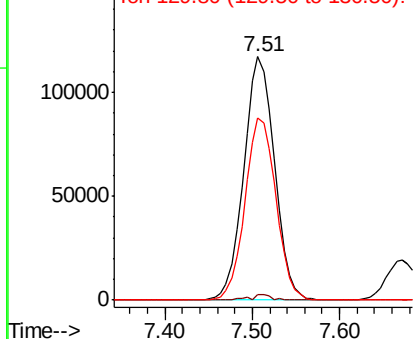
#28

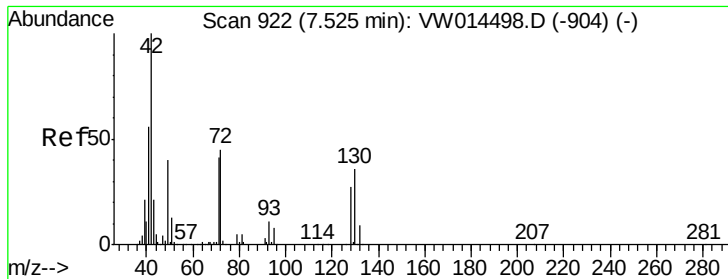
Bromochloromethane
Concen: 54.158 ug/l
RT: 7.51 min Scan# 919
Delta R.T. 0.00 min
Lab File: VW014515.D
Acq: 03 Jan 2020 22:35

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.6	0.0	2.0
130	75.3	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: 298.285 ug/l

RT: 7.52 min Scan# 922

Delta R.T. 0.00 min

Lab File: VW014515.D

Acq: 03 Jan 2020 22:35

Instrument :

MSVOA_W

ClientSampleId :

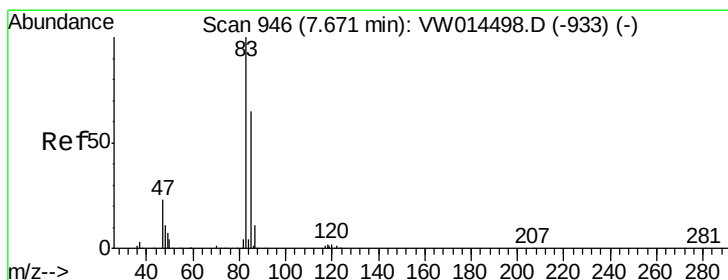
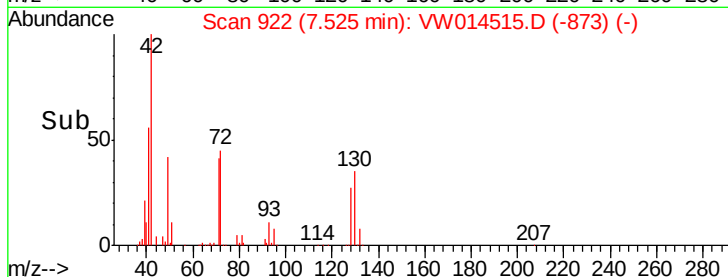
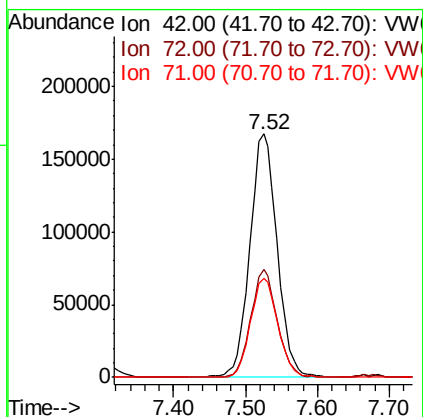
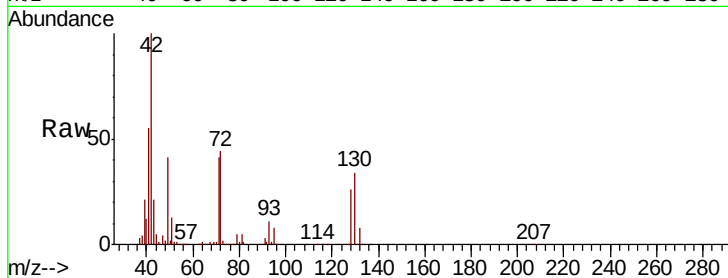
Tot Ion: 42 Resp: 440409

Ion Ratio Lower Upper

42 100

72 42.9 34.5 51.7

71 40.6 32.0 48.0



#30

Chloroform

Concen: 49.770 ug/l

RT: 7.67 min Scan# 946

Delta R.T. 0.00 min

Lab File: VW014515.D

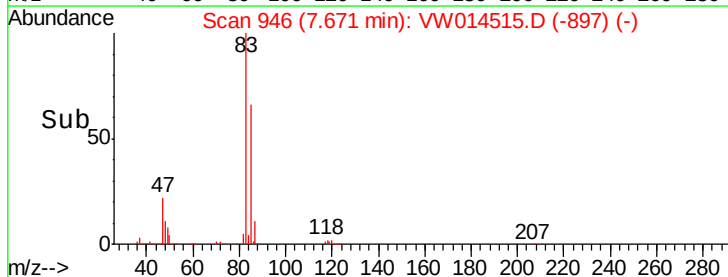
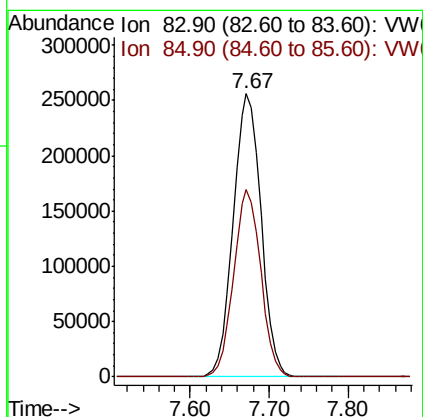
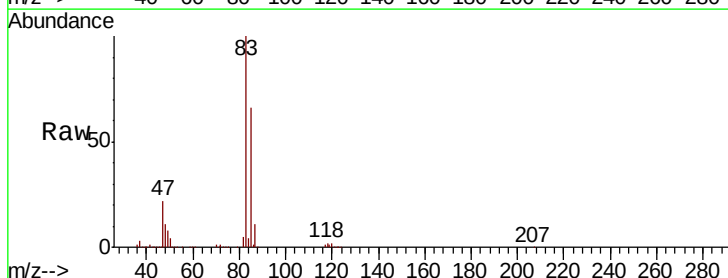
Acq: 03 Jan 2020 22:35

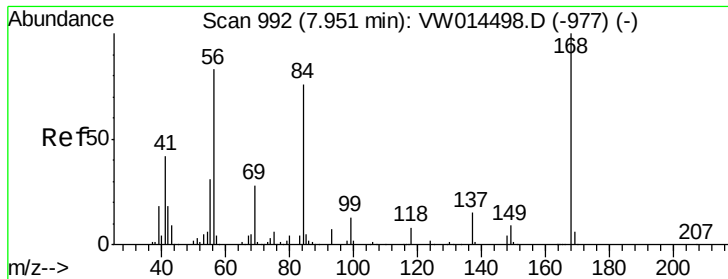
Tgt Ion: 83 Resp: 628626

Ion Ratio Lower Upper

83 100

85 66.3 52.2 78.2

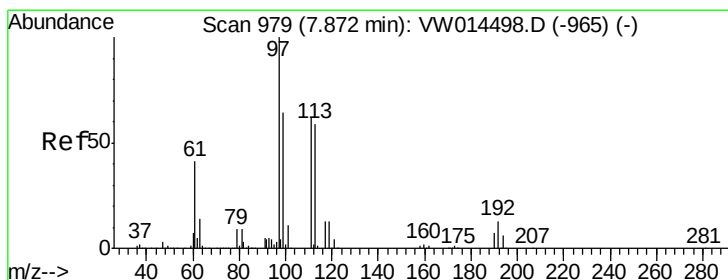
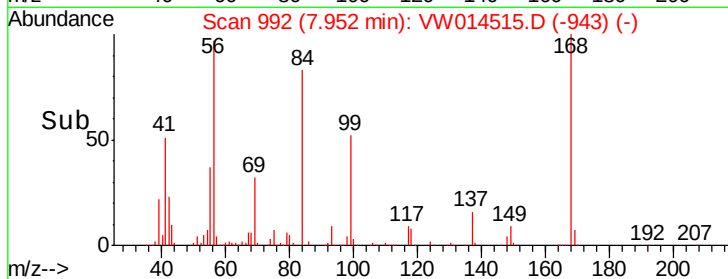
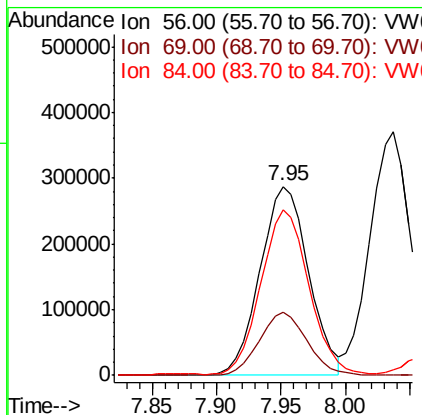
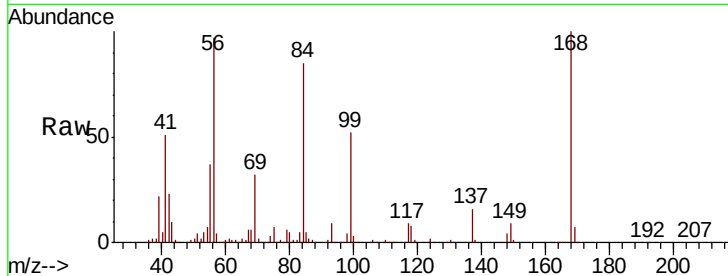




#31
Cyclohexane
Concen: 53.491 ug/l
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW014515.D
Acq: 03 Jan 2020 22:35

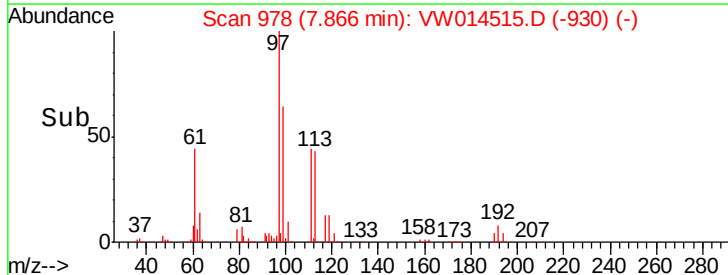
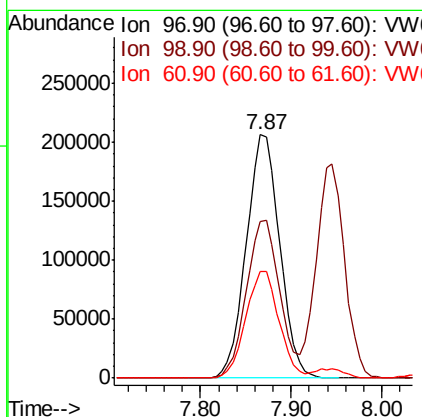
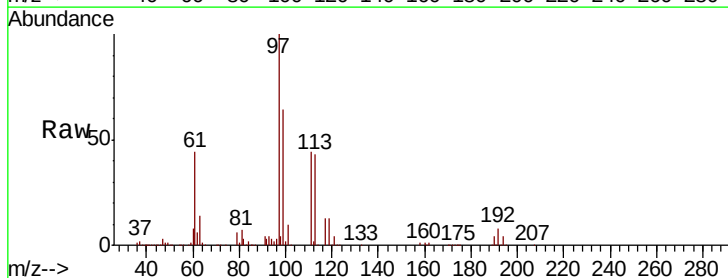
Instrument :
MSVOA_W
ClientSampled :

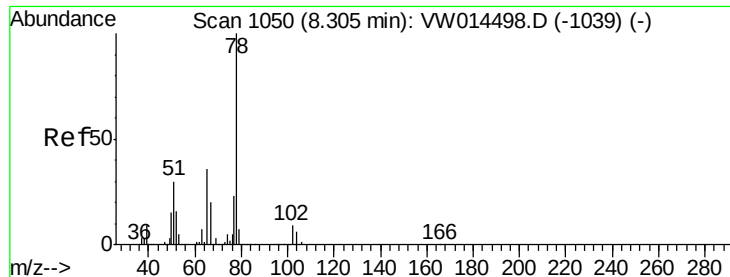
Tot Ion: 56 Resp: 750837
Ion Ratio Lower Upper
56 100
69 33.1 26.8 40.2
84 86.5 71.8 107.6



#32
1,1,1-Trichloroethane
Concen: 51.875 ug/l
RT: 7.87 min Scan# 978
Delta R.T. -0.01 min
Lab File: VW014515.D
Acq: 03 Jan 2020 22:35

Tgt Ion: 97 Resp: 526960
Ion Ratio Lower Upper
97 100
99 65.3 51.8 77.6
61 43.7 33.8 50.8

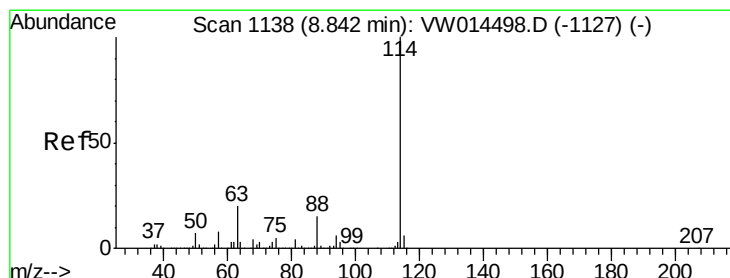
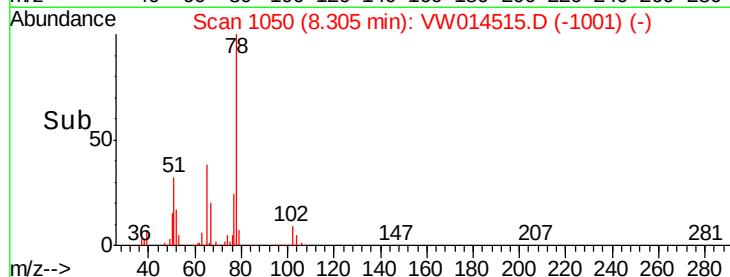
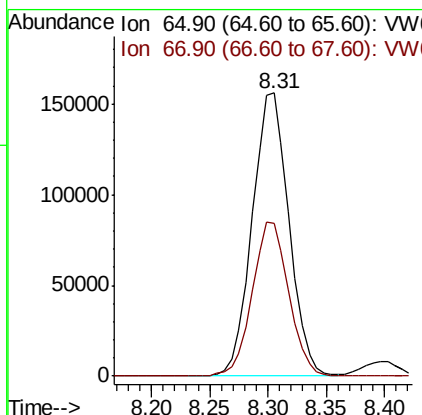
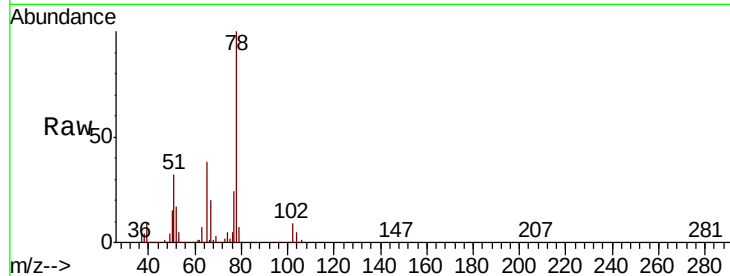




#33
 1,2-Dichloroethane-d4
 Concen: 52.270 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW014515.D
 Acq: 03 Jan 2020 22:35

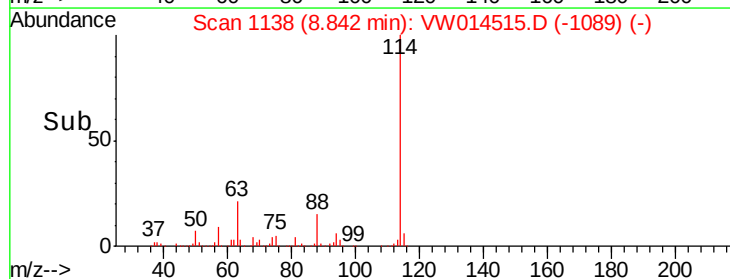
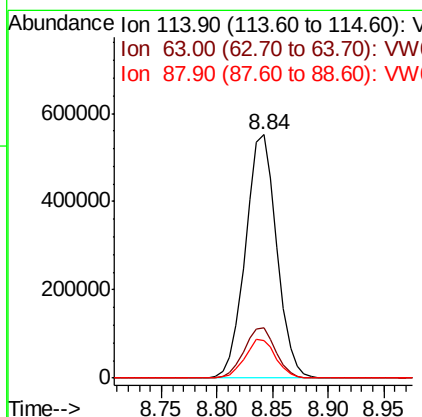
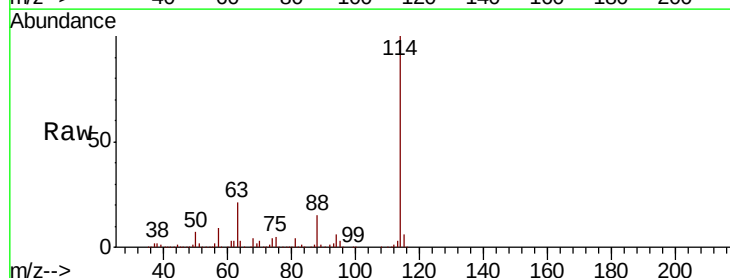
Instrument :
 MSVOA_W
 ClientSampleId :

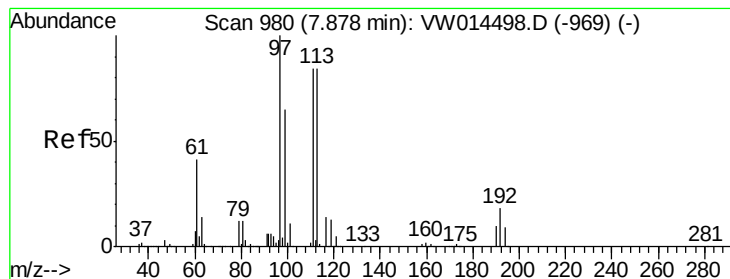
Tot Ion: 65 Resp: 343779
 Ion Ratio Lower Upper
 65 100
 67 54.1 0.0 108.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW014515.D
 Acq: 03 Jan 2020 22:35

Tgt Ion: 114 Resp: 1076714
 Ion Ratio Lower Upper
 114 100
 63 20.7 0.0 40.4
 88 15.5 0.0 30.6





#35

Dibromofluoromethane

Concen: 52.106 ug/l

RT: 7.88 min Scan# 980

Delta R.T. 0.00 min

Lab File: VW014515.D

Acq: 03 Jan 2020 22:35

Instrument :

MSVOA_W

ClientSampleId :

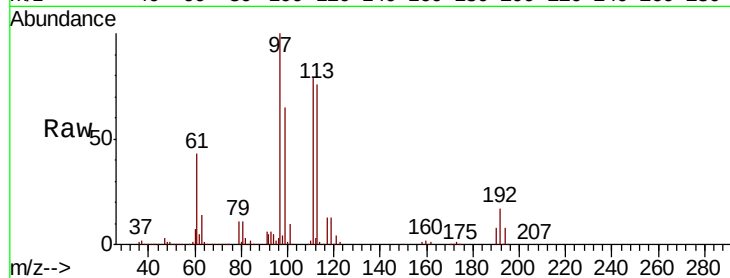
Tot Ion:113 Resp: 320640

Ion Ratio Lower Upper

113 100

111 102.9 81.4 122.2

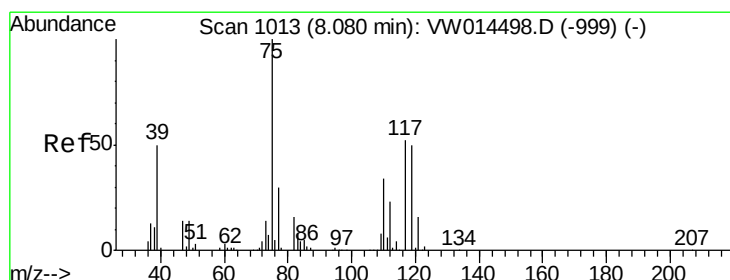
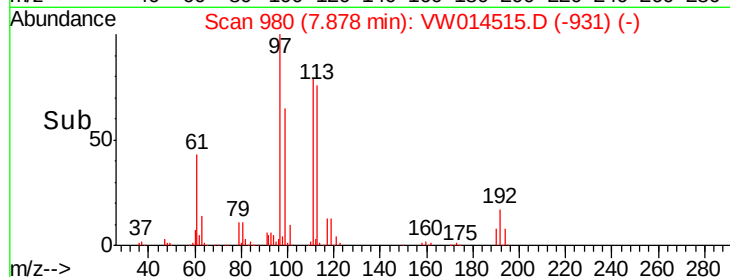
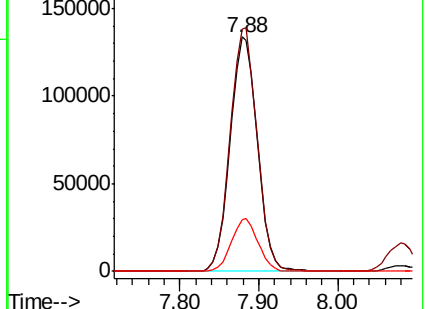
192 22.0 17.8 26.8



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 55.762 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. 0.00 min

Lab File: VW014515.D

Acq: 03 Jan 2020 22:35

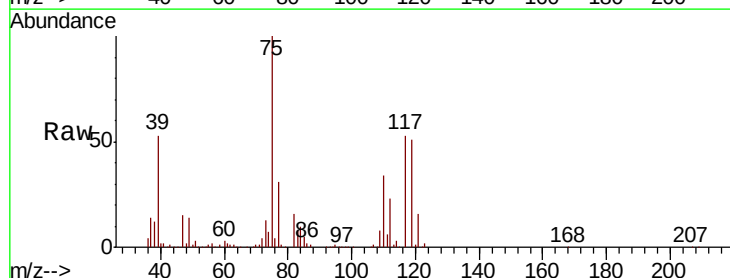
Tgt Ion: 75 Resp: 578810

Ion Ratio Lower Upper

75 100

110 34.6 17.8 53.5

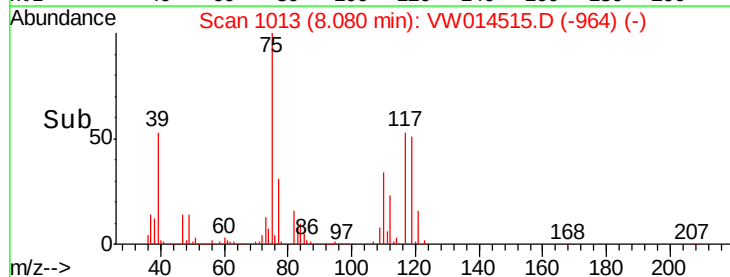
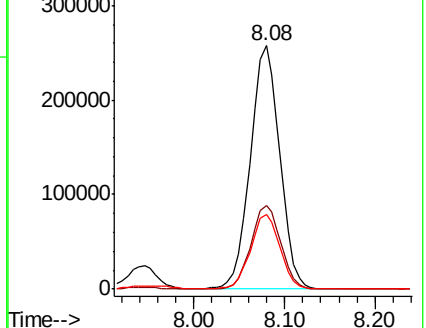
77 30.8 24.7 37.1

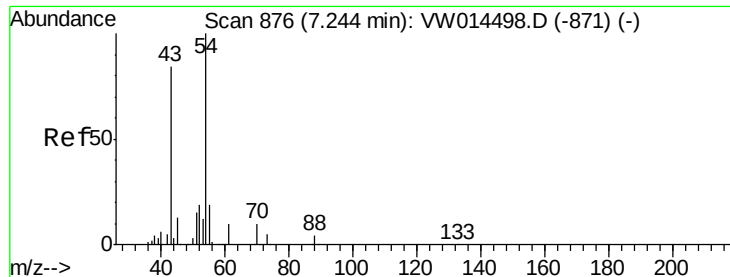


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

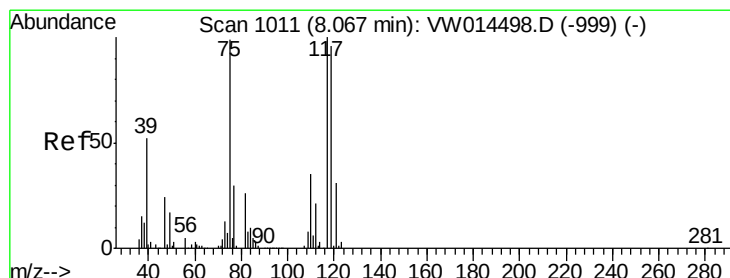
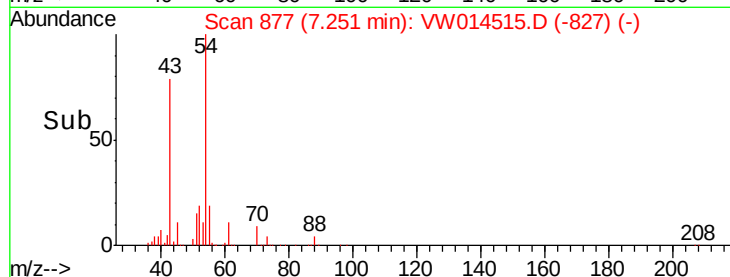
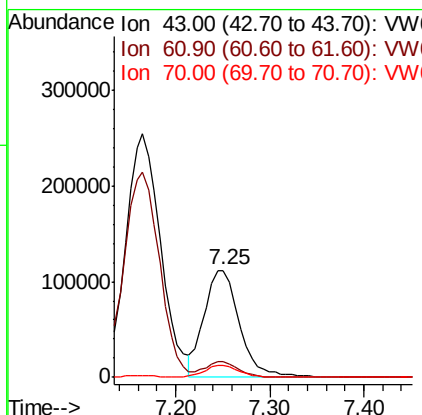
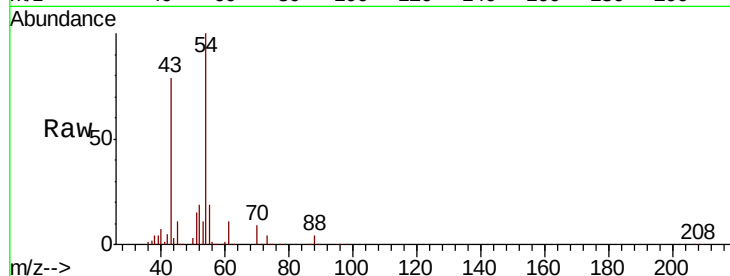




#37
Ethyl Acetate
Concen: 61.100 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.01 min
Lab File: VW014515.D
Acq: 03 Jan 2020 22:35

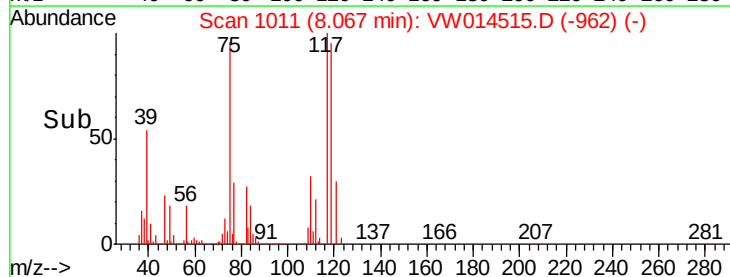
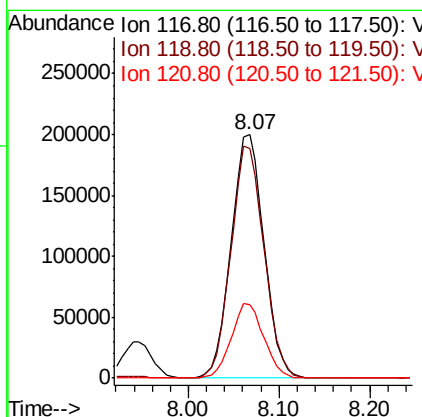
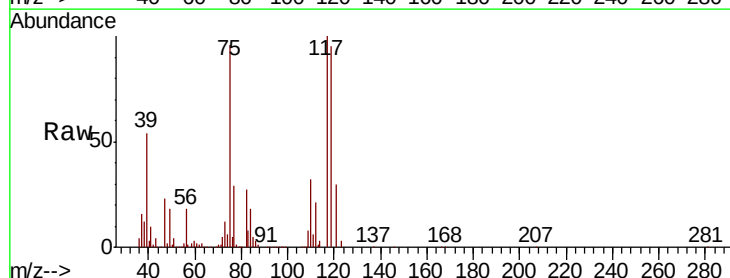
Instrument :
MSVOA_W
ClientSampled :

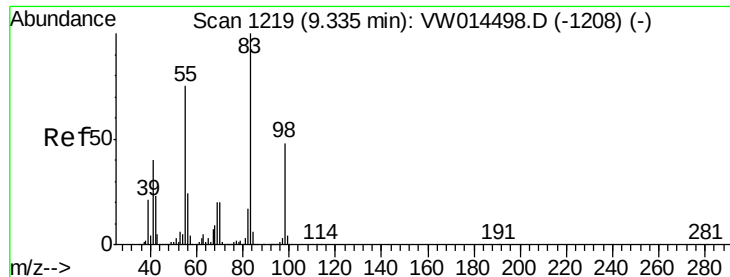
Tot Ion: 43 Resp: 287639
Ion Ratio Lower Upper
43 100
61 13.9 11.7 17.5
70 11.1 9.0 13.6



#38
Carbon Tetrachloride
Concen: 55.855 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW014515.D
Acq: 03 Jan 2020 22:35

Tgt Ion: 117 Resp: 502987
Ion Ratio Lower Upper
117 100
119 94.5 77.0 115.6
121 30.1 24.6 36.8

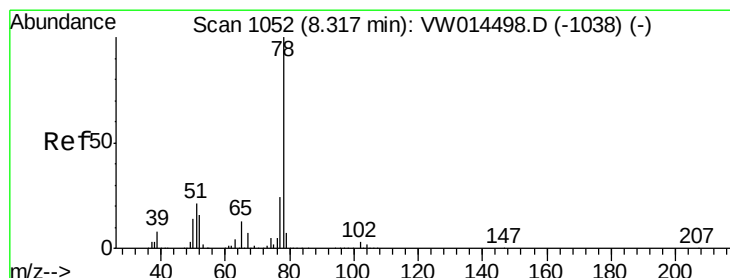
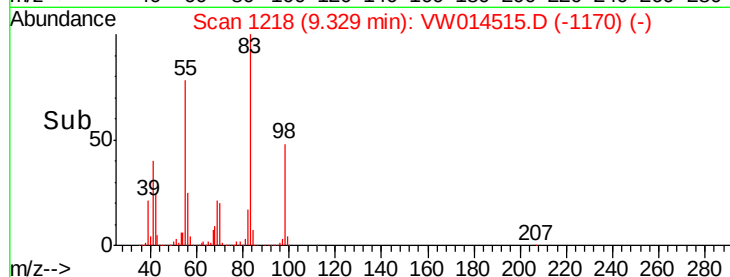
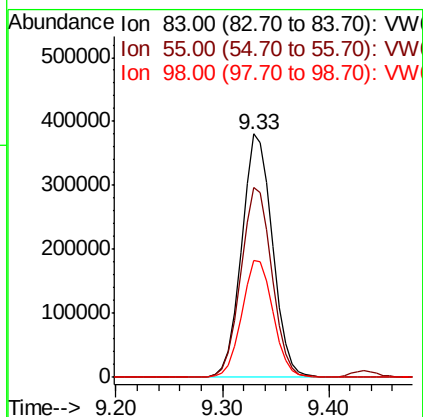
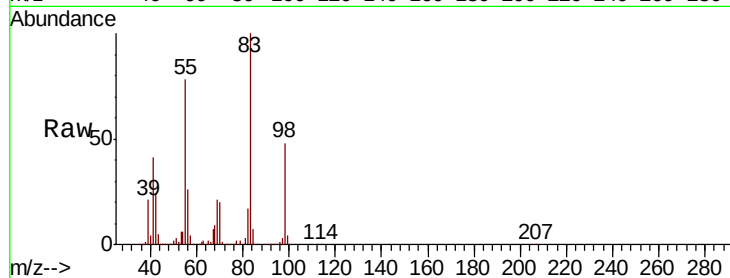




#39
Methylvlcyclohexane
Concen: 58.223 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW014515.D
Acq: 03 Jan 2020 22:35

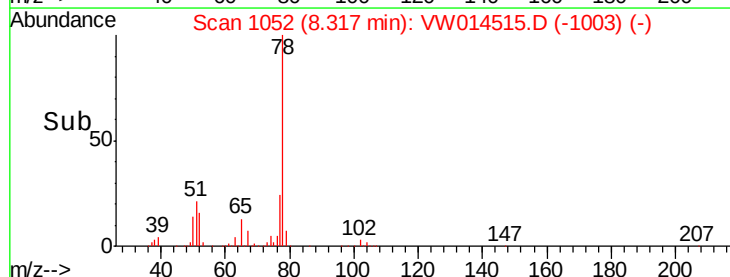
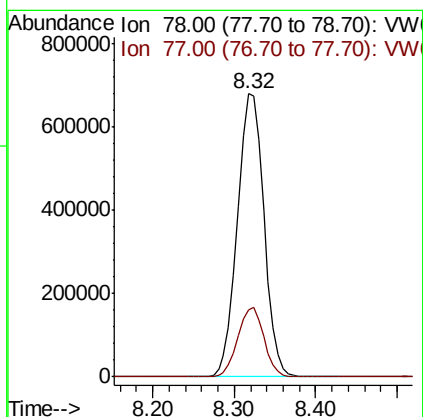
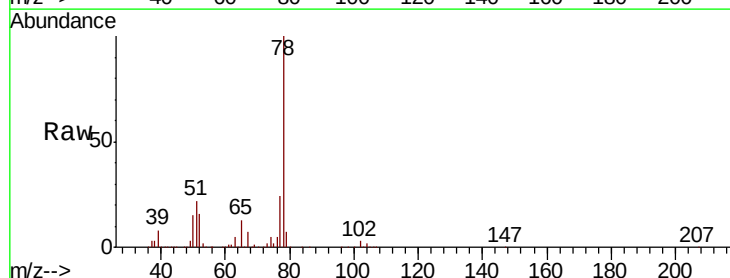
Instrument :
MSVOA_W
ClientSampled :

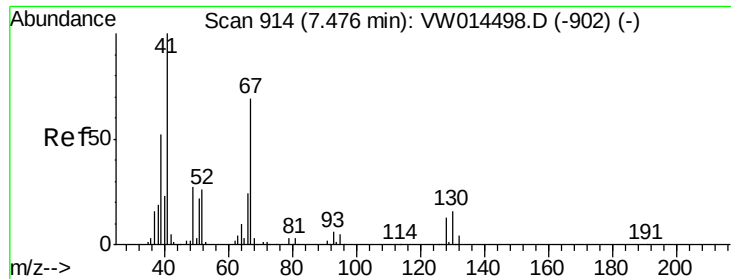
Tot Ion	83.00	Resp	775568
Ion	Ratio	Lower	Upper
83	100		
55	77.8	60.1	90.1
98	48.2	38.8	58.2



#40
Benzene
Concen: 52.109 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. 0.00 min
Lab File: VW014515.D
Acq: 03 Jan 2020 22:35

Tgt Ion	78.00	Resp	1530389
Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.3	28.9

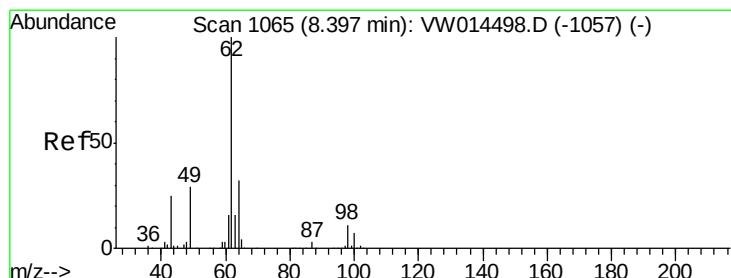
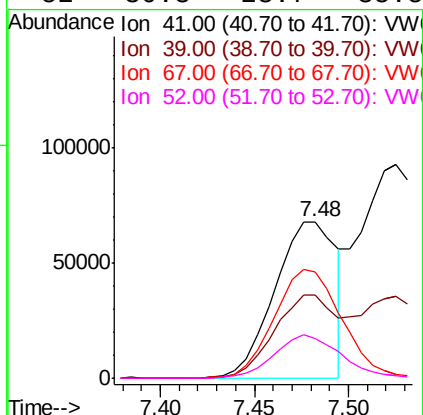
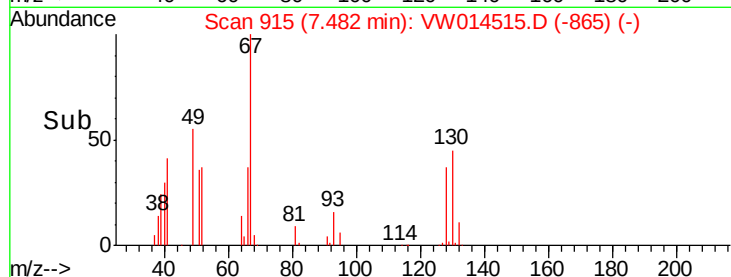
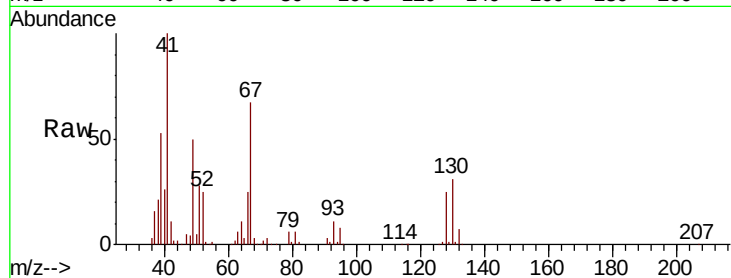




#41
Methacrylonitrile
Concen: 58.784 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.01 min
Lab File: VW014515.D
Acq: 03 Jan 2020 22:35

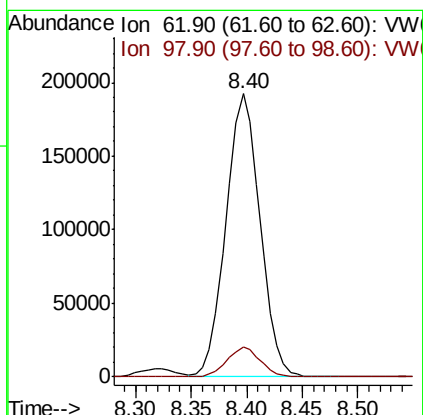
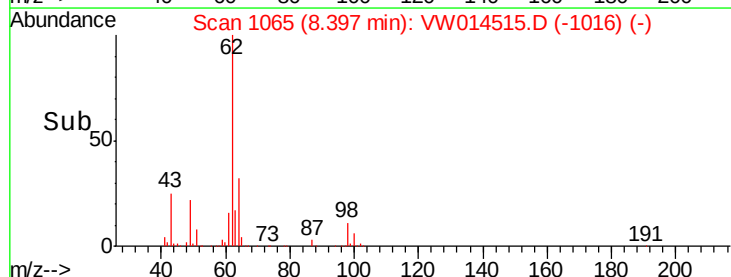
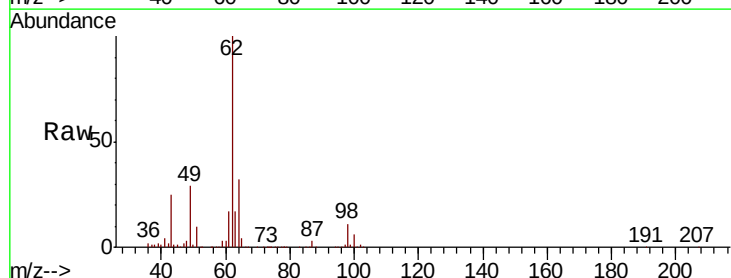
Instrument :
MSVOA_W
ClientSampled :

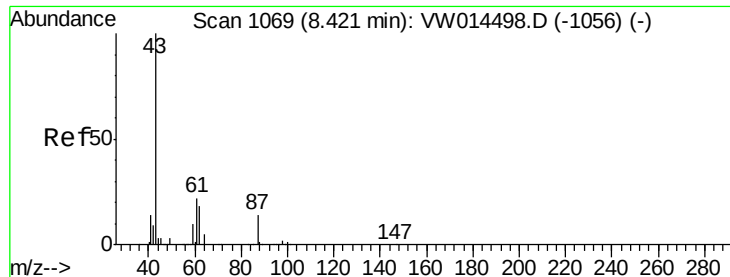
Tot Ion:	41	Resp:	154263
Ion	Ratio	Lower	Upper
41	100		
39	51.7	46.0	69.0
67	76.7	60.8	91.2
52	30.3	23.7	35.5



#42
1,2-Dichloroethane
Concen: 53.531 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW014515.D
Acq: 03 Jan 2020 22:35

Tgt Ion:	62	Resp:	407982
Ion	Ratio	Lower	Upper
62	100		
98	10.4	0.0	22.0





#43

Isopropyl Acetate

Concen: 60.282 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW014515.D

Acq: 03 Jan 2020 22:35

Instrument :

MSVOA_W

ClientSampleId :

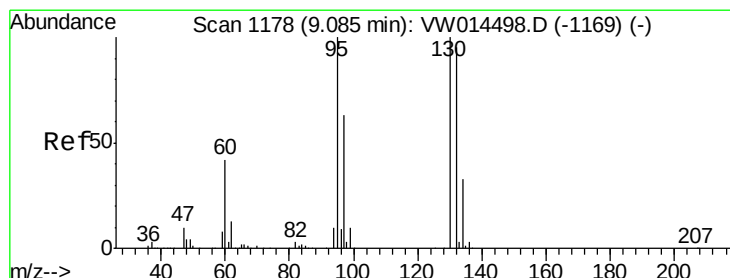
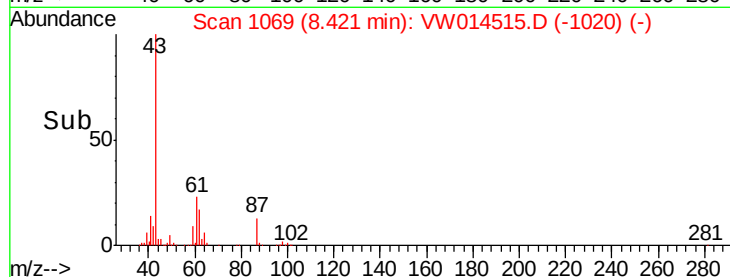
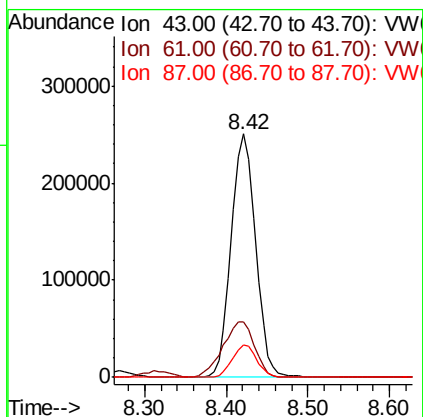
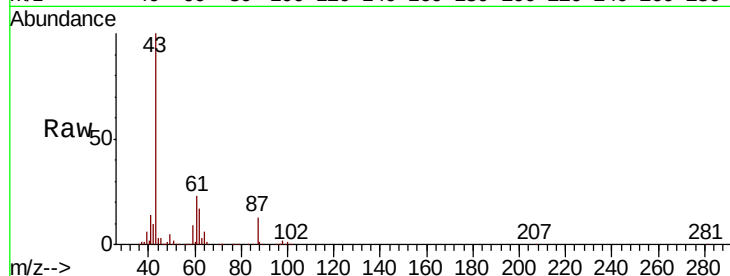
Tot Ion: 43 Resp: 515324

Ion Ratio Lower Upper

43 100

61 29.6 24.7 37.1

87 13.2 11.1 16.7



#44

Trichloroethene

Concen: 52.276 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. 0.01 min

Lab File: VW014515.D

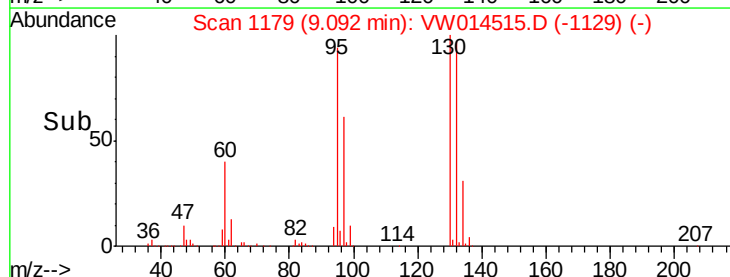
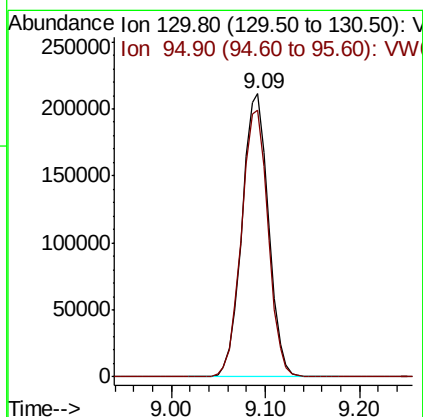
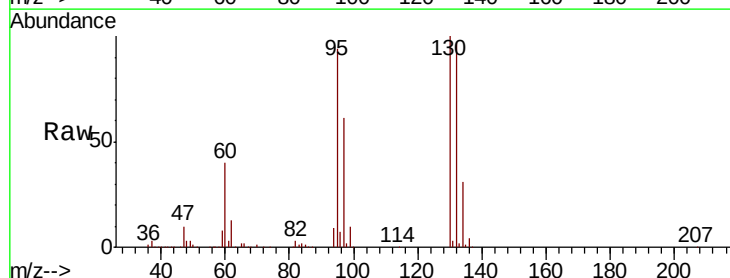
Acq: 03 Jan 2020 22:35

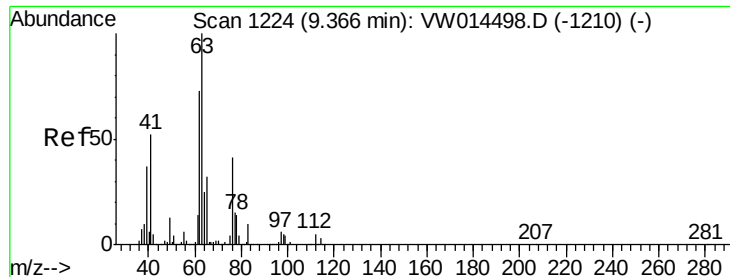
Tgt Ion: 130 Resp: 415439

Ion Ratio Lower Upper

130 100

95 94.4 0.0 199.4

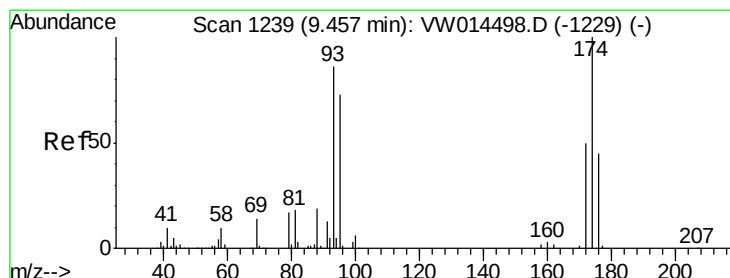
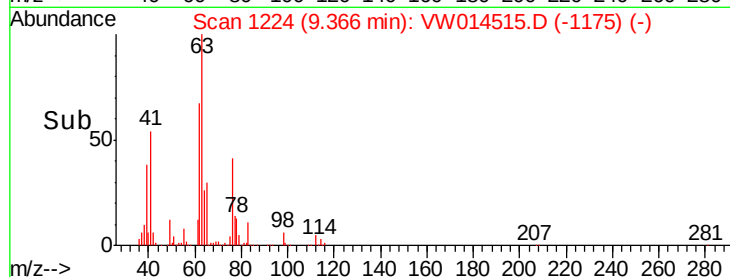
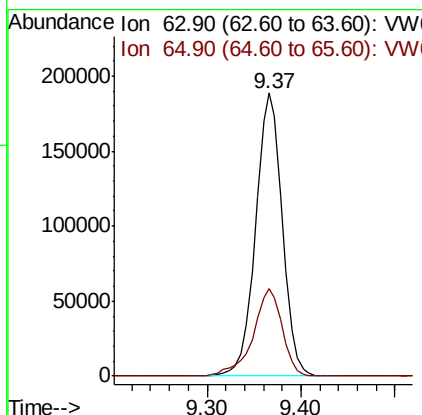
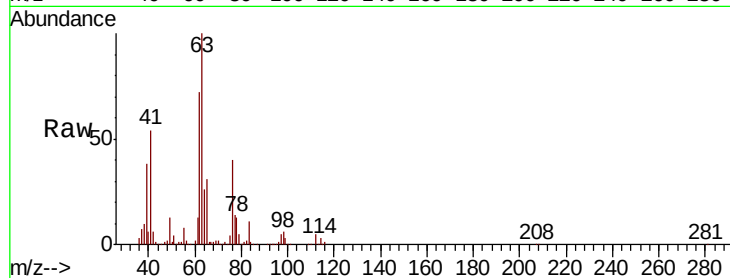




#45
 1,2-Dichloropropane
 Concen: 51.961 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW014515.D
 Acq: 03 Jan 2020 22:35

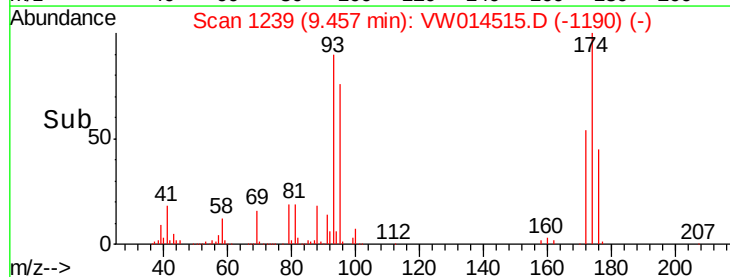
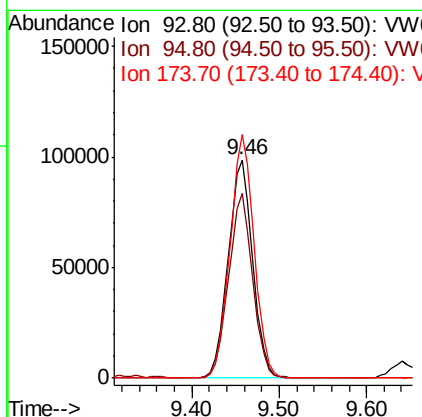
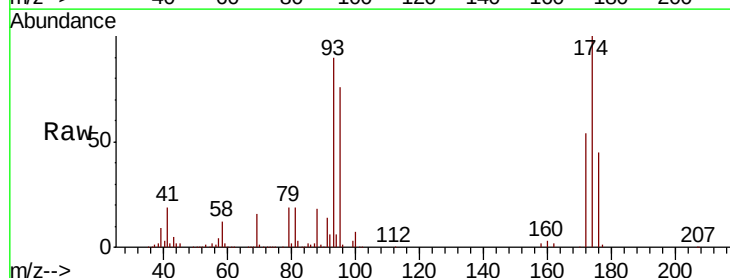
Instrument :
 MSVOA_W
 ClientSampleId :

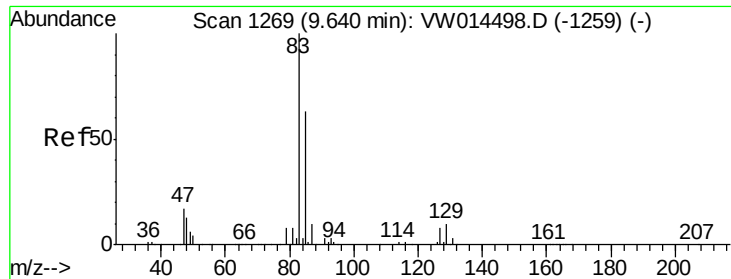
Tot Ion: 63 Resp: 374470
 Ion Ratio Lower Upper
 63 100
 65 30.8 25.6 38.4



#46
 Dibromomethane
 Concen: 53.819 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW014515.D
 Acq: 03 Jan 2020 22:35

Tgt Ion: 93 Resp: 191476
 Ion Ratio Lower Upper
 93 100
 95 83.2 66.4 99.6
 174 110.2 89.1 133.7

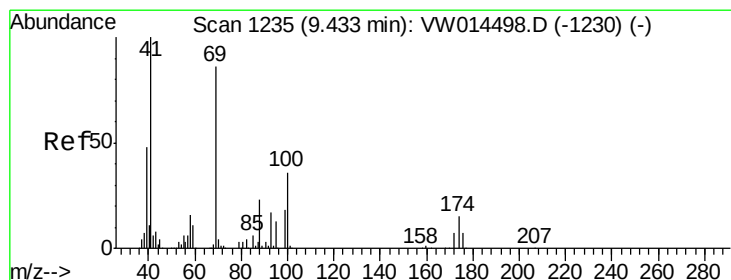
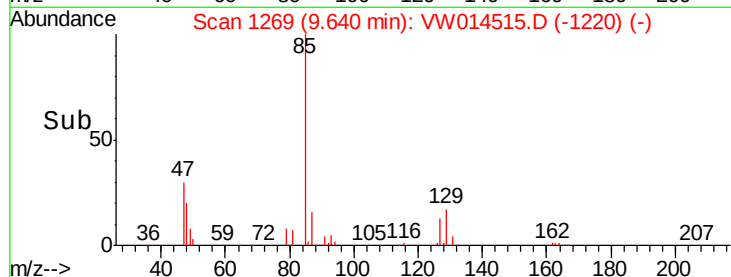
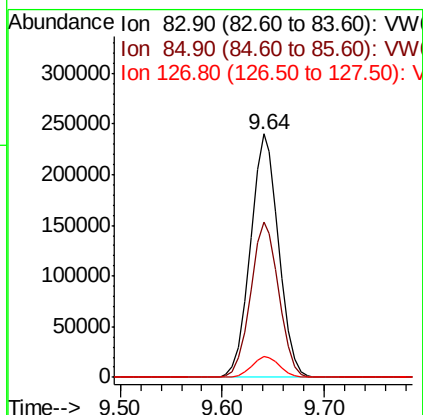
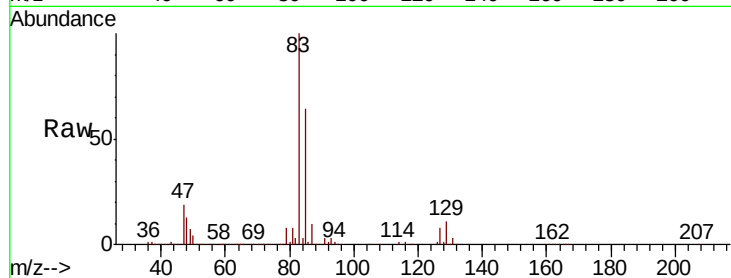




#47
 Bromodichloromethane
 Concen: 52.374 ug/l
 RT: 9.64 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VW014515.D
 Acq: 03 Jan 2020 22:35

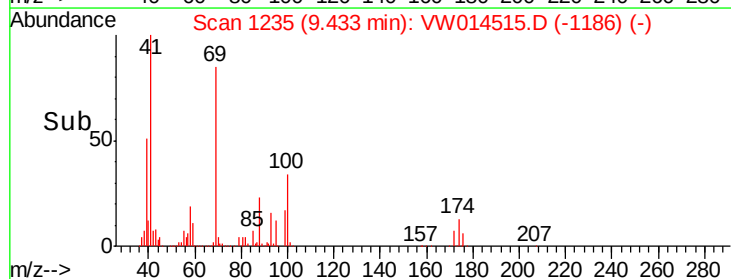
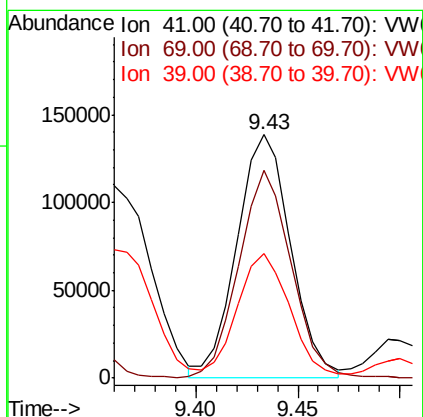
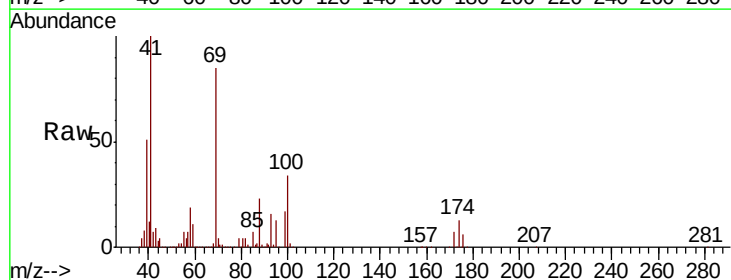
Instrument :
 MSVOA_W
 ClientSampleId :

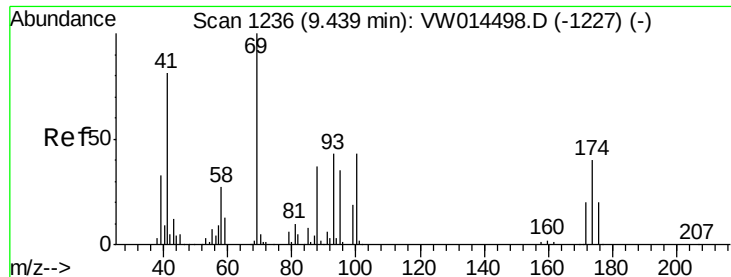
Tot Ion	83	Resp	460038
Ion Ratio	100		
Lower	50.6		
Upper	76.0		
85	63.8		
127	8.4		
	6.6		
	9.8		



#48
 Methyl methacrylate
 Concen: 60.653 ug/l
 RT: 9.43 min Scan# 1235
 Delta R.T. 0.00 min
 Lab File: VW014515.D
 Acq: 03 Jan 2020 22:35

Tgt Ion	41	Resp	253153
Ion Ratio	100		
Lower	68.3		
Upper	102.5		
69	83.7		
39	46.7		
	36.8		
	55.2		

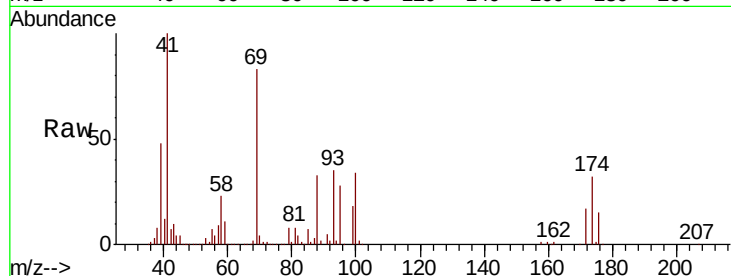




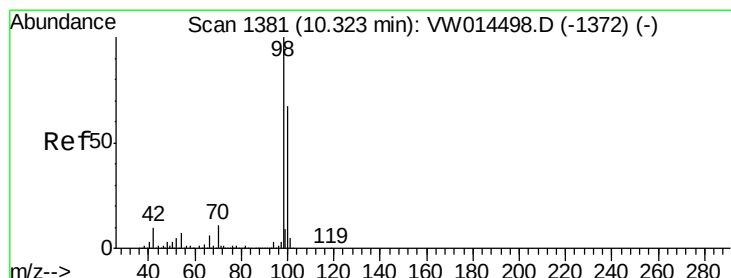
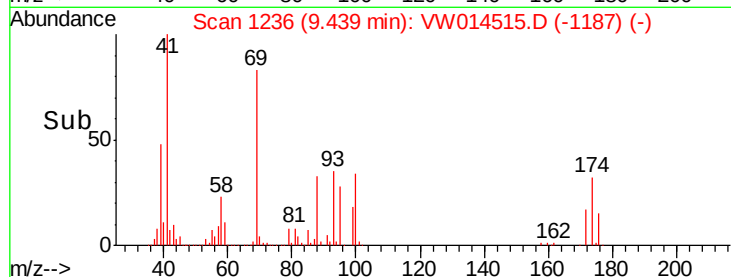
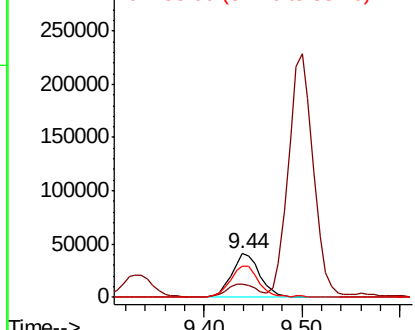
#49
1,4-Dioxane
Concen: 1222.161 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. 0.00 min
Lab File: VW014515.D
Acq: 03 Jan 2020 22:35

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 88 Resp: 81326
Ion Ratio Lower Upper
88 100
43 31.0 24.9 37.3
58 71.7 56.9 85.3

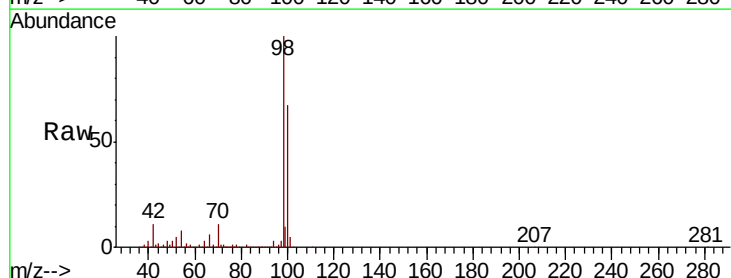


Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

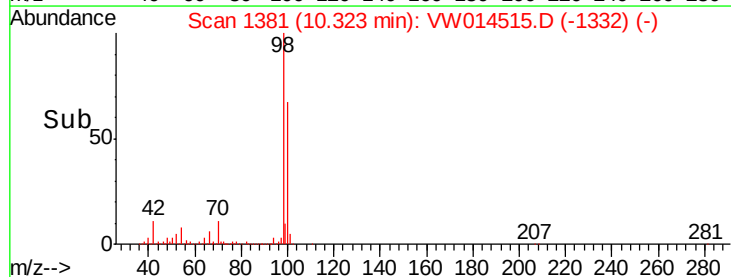
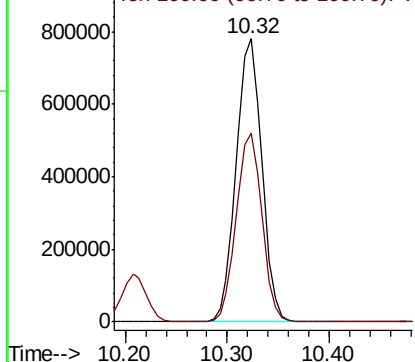


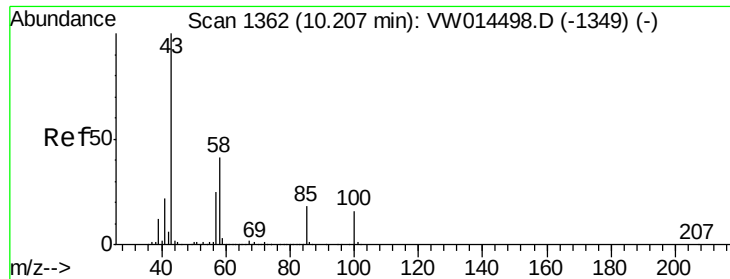
#50
Toluene-d8
Concen: 52.735 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW014515.D
Acq: 03 Jan 2020 22:35

Tgt Ion: 98 Resp: 1354253
Ion Ratio Lower Upper
98 100
100 66.7 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: 319.247 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW014515.D

Acq: 03 Jan 2020 22:35

Instrument :

MSVOA_W

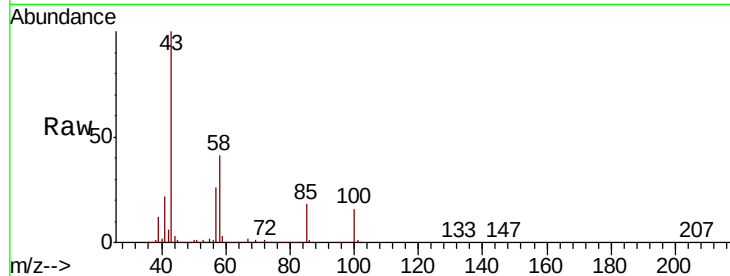
ClientSampleId :

Tot Ion: 43 Resp: 1417236

Ion Ratio Lower Upper

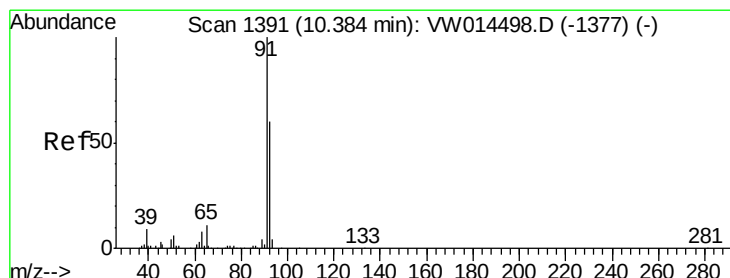
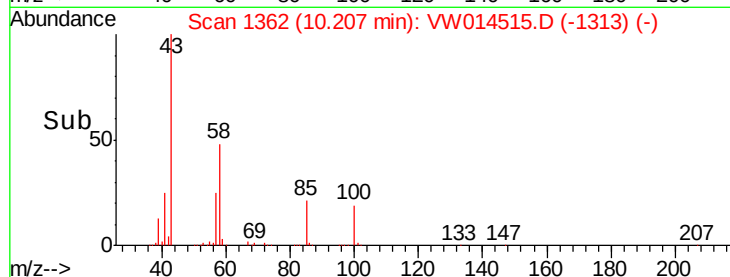
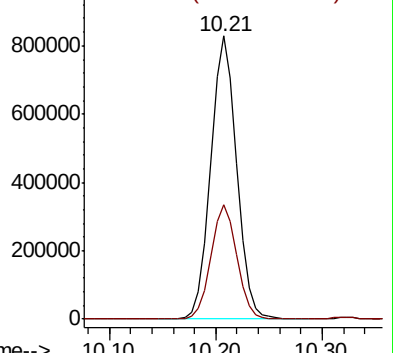
43 100

58 40.4 32.7 49.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#52

Toluene

Concen: 52.048 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW014515.D

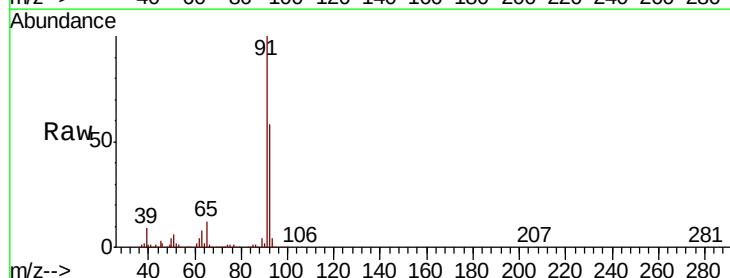
Acq: 03 Jan 2020 22:35

Tgt Ion: 92 Resp: 961643

Ion Ratio Lower Upper

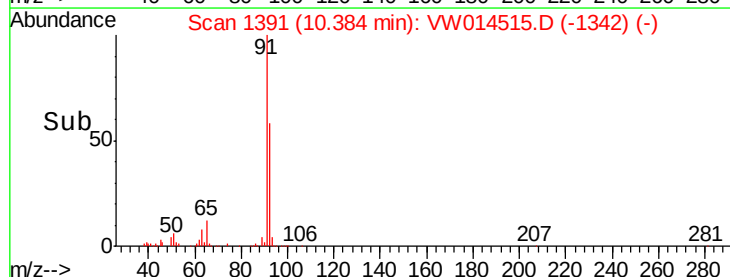
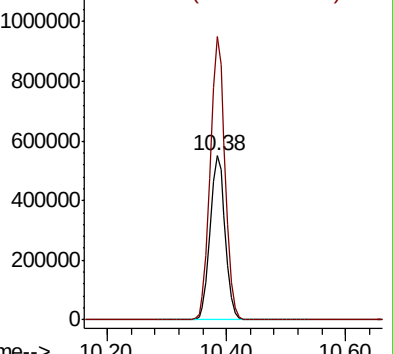
92 100

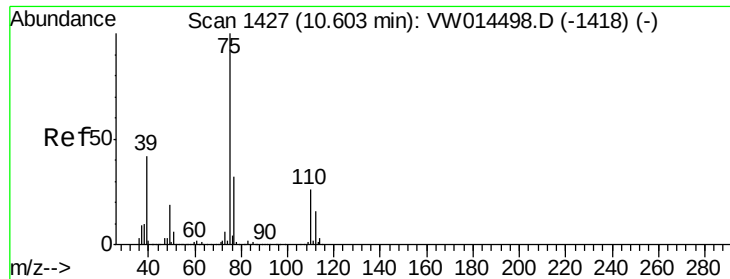
91 170.3 134.1 201.1



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW





#53

t-1,3-Dichloropropene

Concen: 52.101 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW014515.D

Acq: 03 Jan 2020 22:35

Instrument :

MSVOA_W

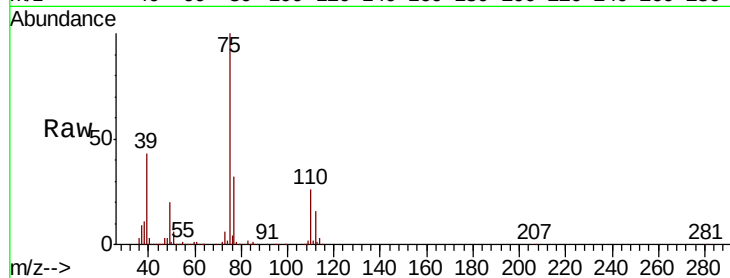
ClientSampleId :

Tot Ion: 75 Resp: 473837

Ion Ratio Lower Upper

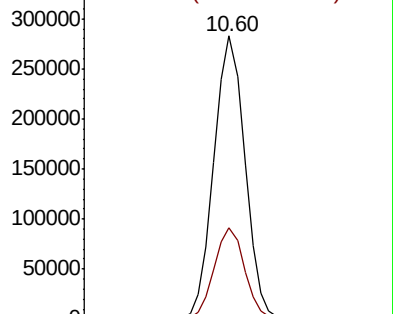
75 100

77 32.4 25.4 38.2

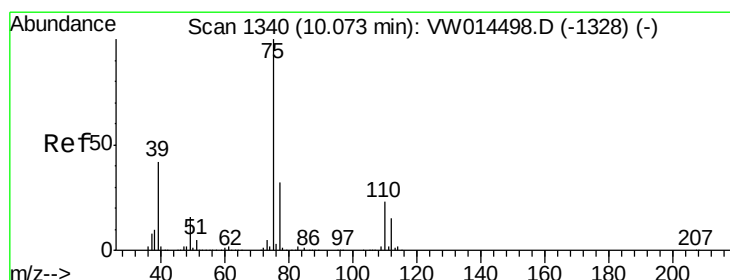
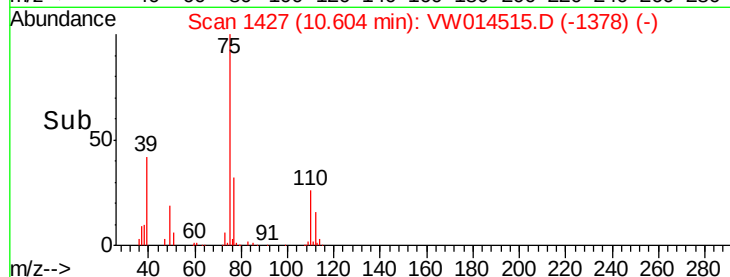


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW



Time-->



#54

cis-1,3-Dichloropropene

Concen: 51.161 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW014515.D

Acq: 03 Jan 2020 22:35

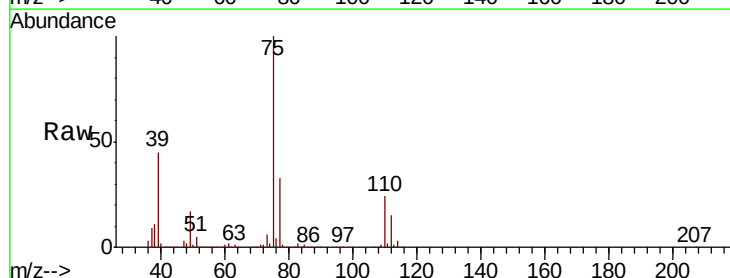
Tgt Ion: 75 Resp: 568654

Ion Ratio Lower Upper

75 100

77 32.8 25.4 38.0

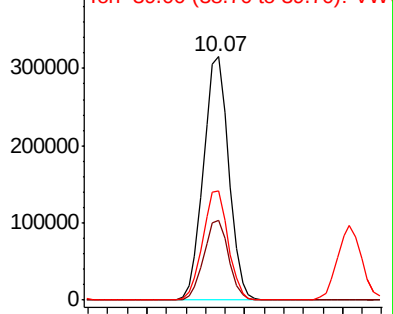
39 44.6 33.4 50.2



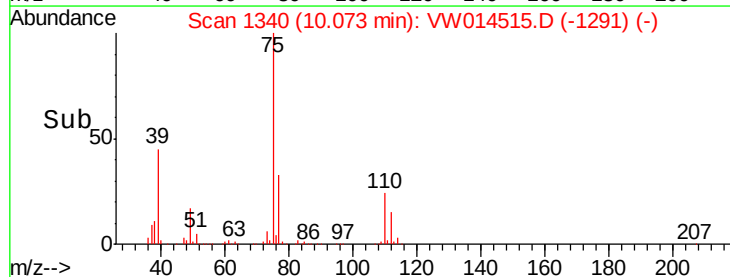
Abundance Ion 74.90 (74.60 to 75.60): VW

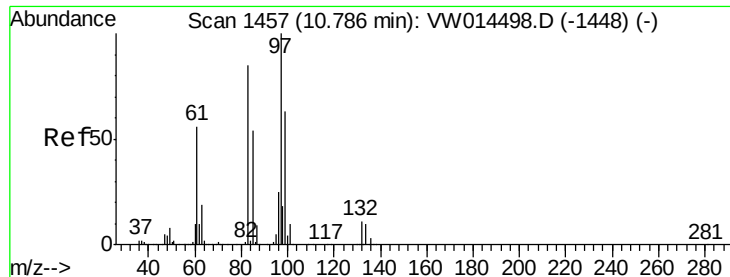
Ion 76.90 (76.60 to 77.60): VW

Ion 39.00 (38.70 to 39.70): VW



Time-->

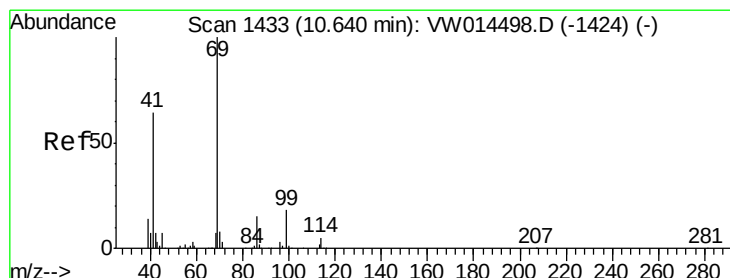
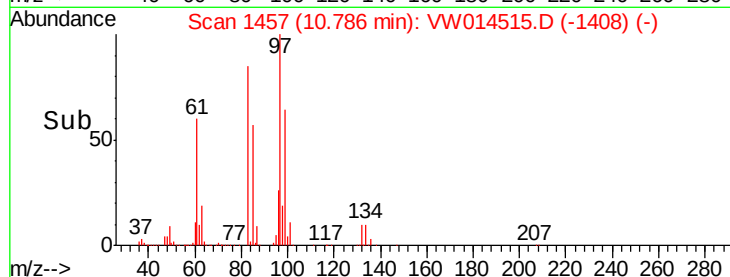
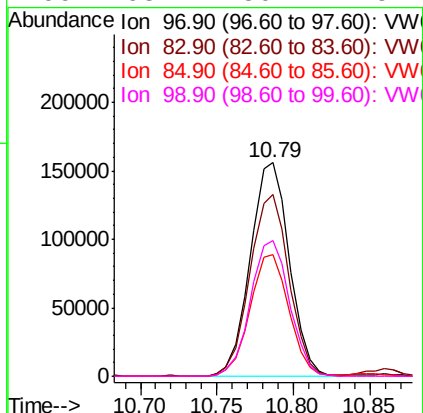
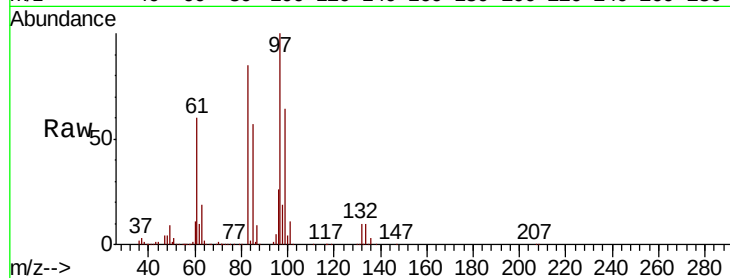




#55
 1,1,2-Trichloroethane
 Concen: 53.471 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW014515.D
 Acq: 03 Jan 2020 22:35

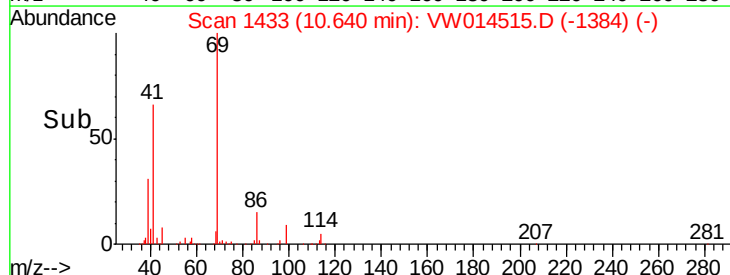
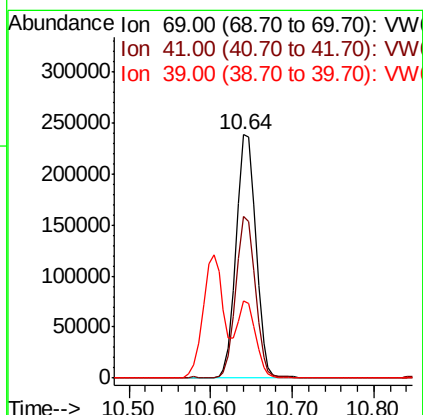
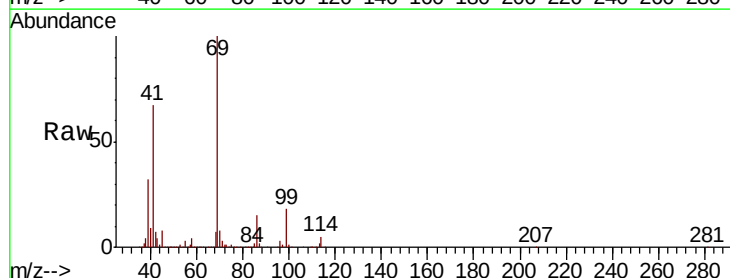
Instrument :
 MSVOA_W
 ClientSampleId :

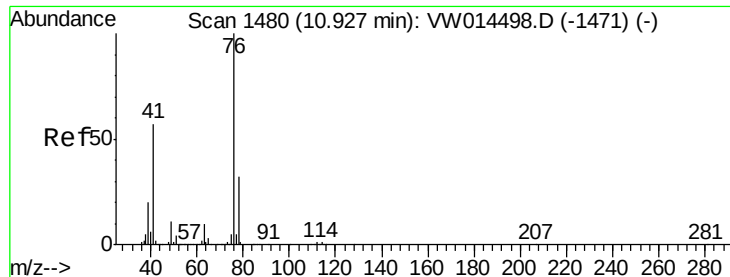
Tot Ion:	97	Resp:	277839
Ion	Ratio	Lower	Upper
97	100		
83	85.3	68.2	102.4
85	56.8	43.0	64.4
99	63.7	50.1	75.1



#56
 Ethyl methacrylate
 Concen: 58.836 ug/l
 RT: 10.64 min Scan# 1433
 Delta R.T. 0.00 min
 Lab File: VW014515.D
 Acq: 03 Jan 2020 22:35

Tgt Ion:	69	Resp:	397305
Ion	Ratio	Lower	Upper
69	100		
41	66.2	51.3	76.9
39	27.7	21.0	31.6





#57

1,3-Dichloropropane

Concen: 53.972 ug/l

RT: 10.93 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VW014515.D

Acq: 03 Jan 2020 22:35

Instrument :

MSVOA_W

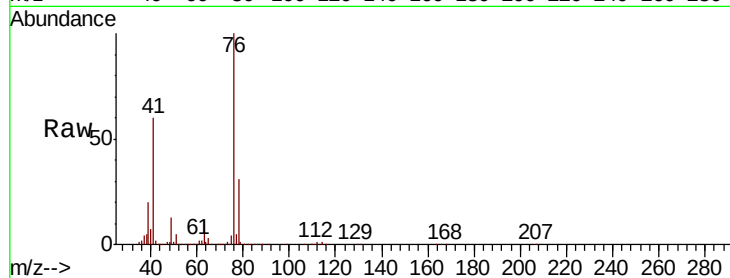
ClientSampleId :

Tot Ion: 76 Resp: 492885

Ion Ratio Lower Upper

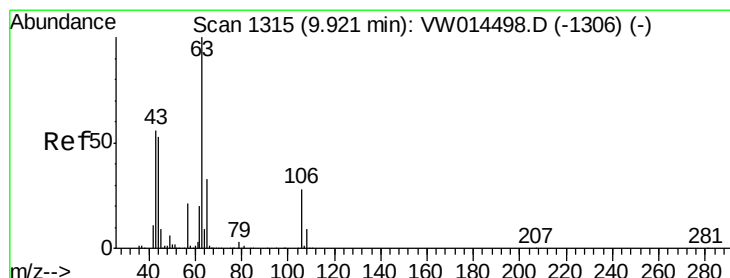
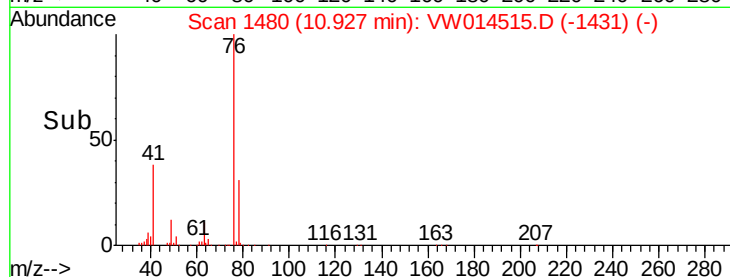
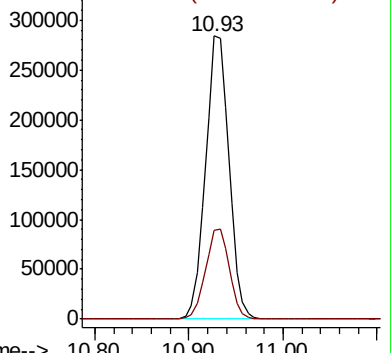
76 100

78 32.3 25.9 38.9



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#58

2-Chloroethyl Vinyl ether

Concen: 295.295 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. 0.00 min

Lab File: VW014515.D

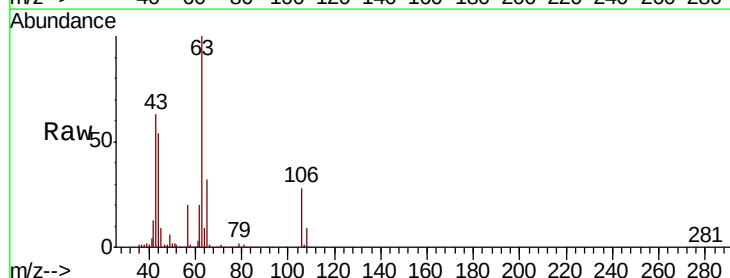
Acq: 03 Jan 2020 22:35

Tgt Ion: 63 Resp: 606460

Ion Ratio Lower Upper

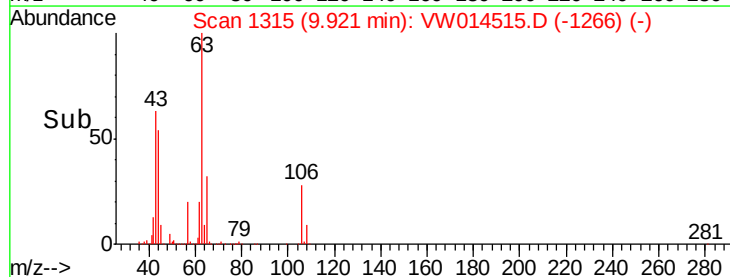
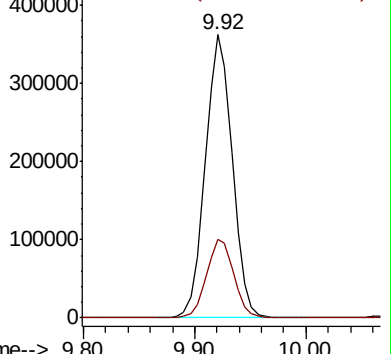
63 100

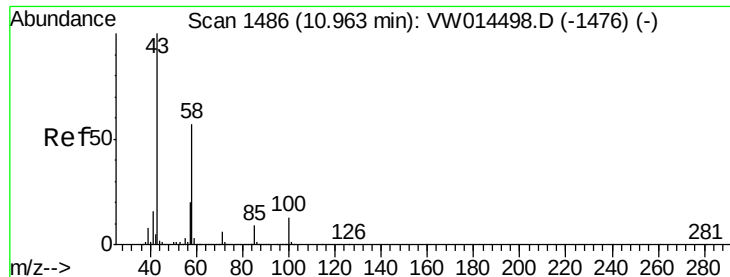
106 27.9 23.0 34.6



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 105.90 (105.60 to 106.60): V

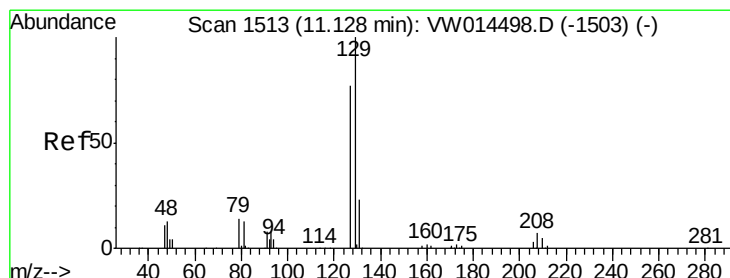
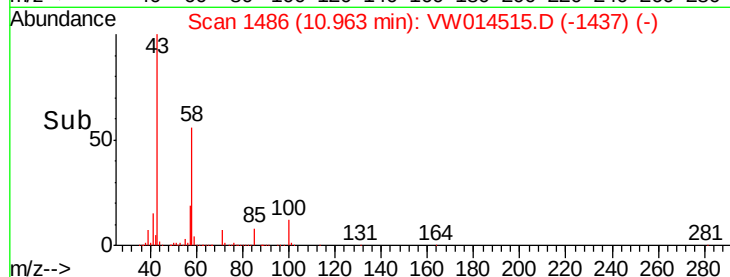
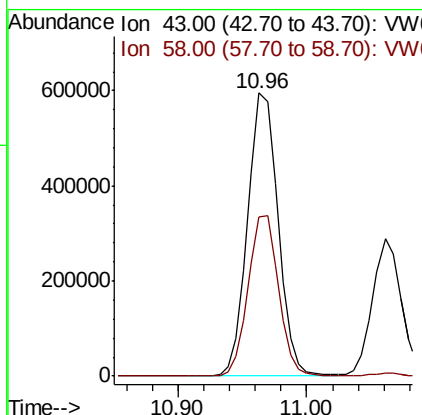
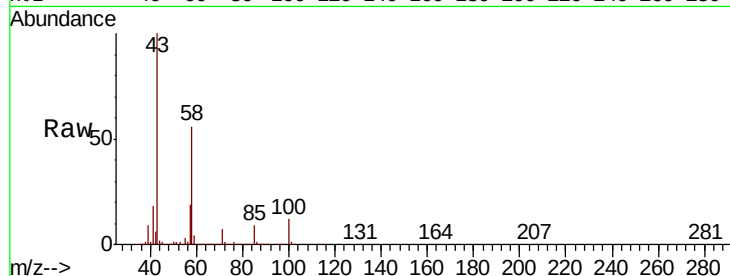




#59
2-Hexanone
Concen: 317.893 ug/l
RT: 10.96 min Scan# 1486
Delta R.T. 0.00 min
Lab File: VW014515.D
Acq: 03 Jan 2020 22:35

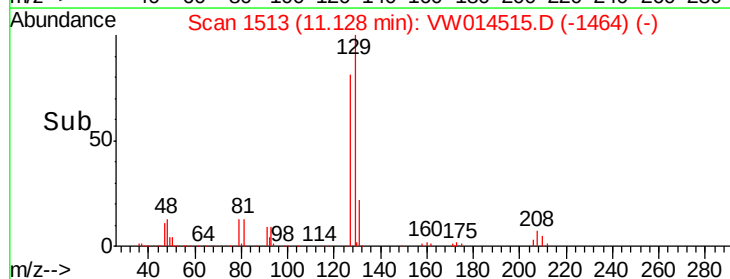
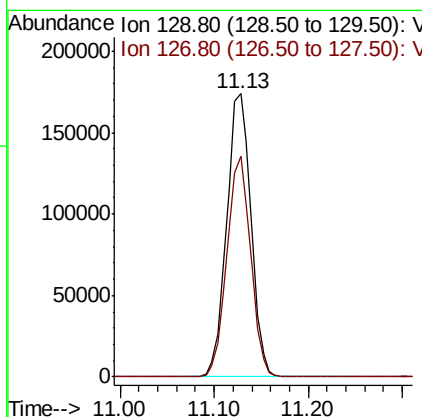
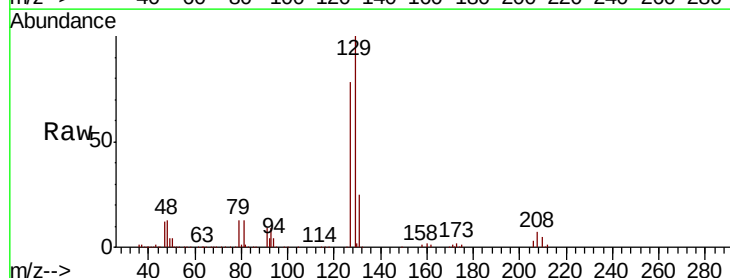
Instrument :
MSVOA_W
ClientSampled :

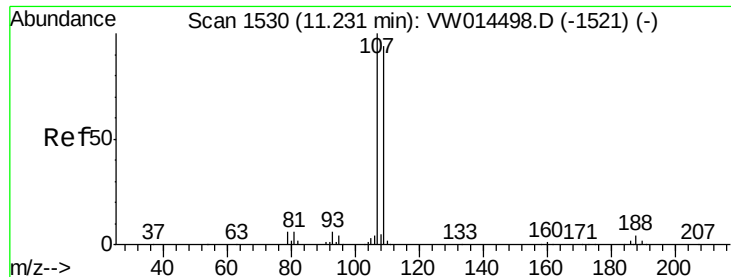
Tot Ion: 43 Resp: 972459
Ion Ratio Lower Upper
43 100
58 56.6 28.7 86.3



#60
Dibromochloromethane
Concen: 53.026 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW014515.D
Acq: 03 Jan 2020 22:35

Tgt Ion: 129 Resp: 310876
Ion Ratio Lower Upper
129 100
127 76.4 38.1 114.5

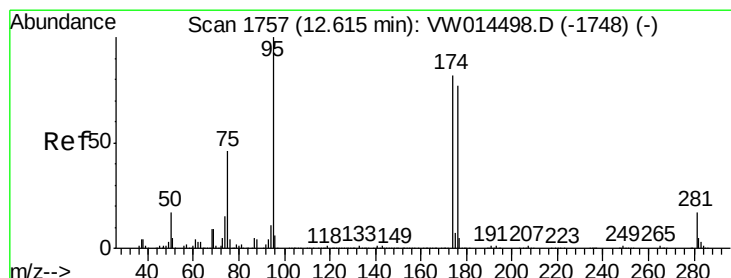
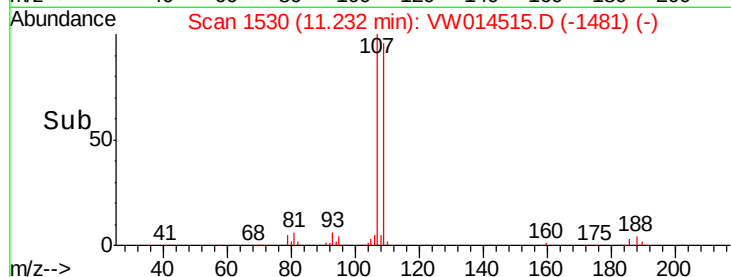
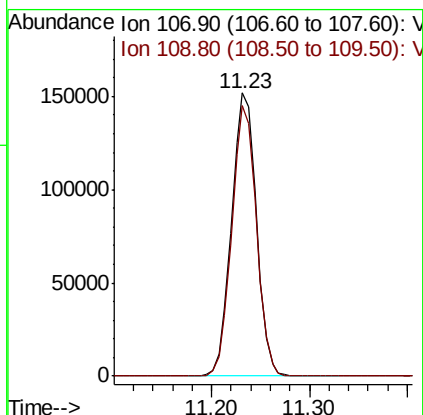
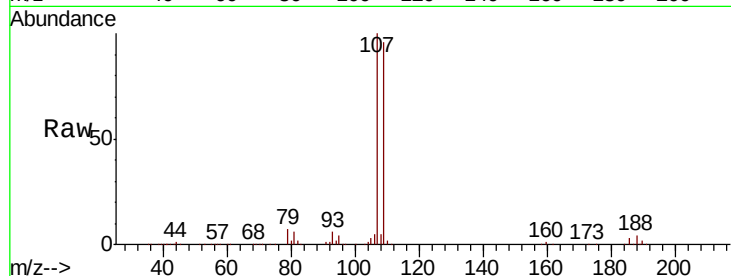




#61
 1,2-Dibromoethane
 Concen: 54.307 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. 0.00 min
 Lab File: VW014515.D
 Acq: 03 Jan 2020 22:35

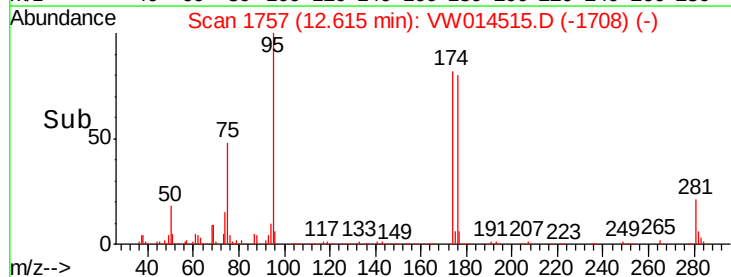
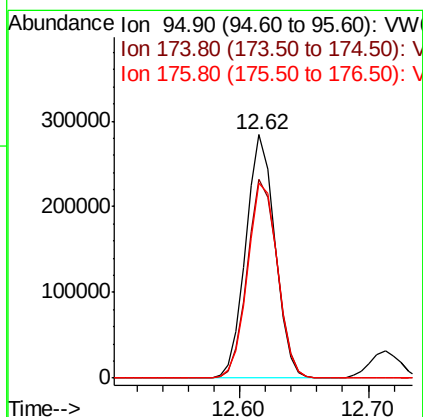
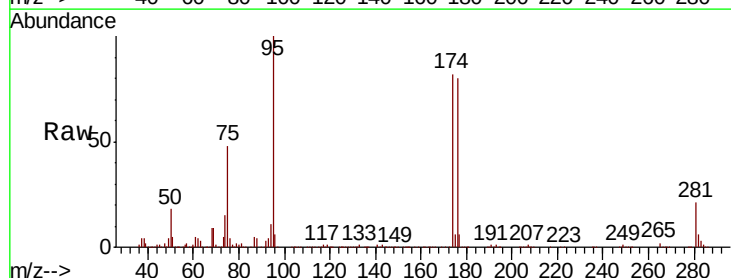
Instrument :
 MSVOA_W
 ClientSampleId :

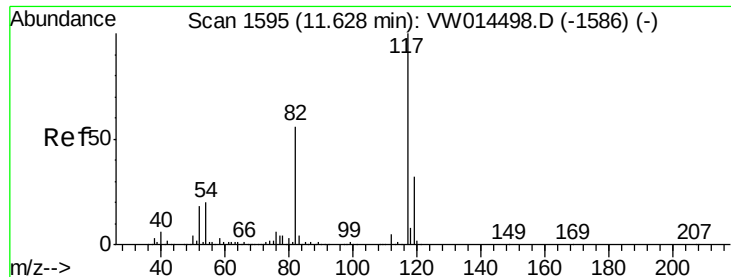
Tot Ion: 107 Resp: 267855
 Ion Ratio Lower Upper
 107 100
 109 94.6 75.1 112.7



#62
 4-Bromofluorobenzene
 Concen: 50.923 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.00 min
 Lab File: VW014515.D
 Acq: 03 Jan 2020 22:35

Tgt Ion: 95 Resp: 443563
 Ion Ratio Lower Upper
 95 100
 174 83.6 0.0 168.6
 176 82.2 0.0 162.0

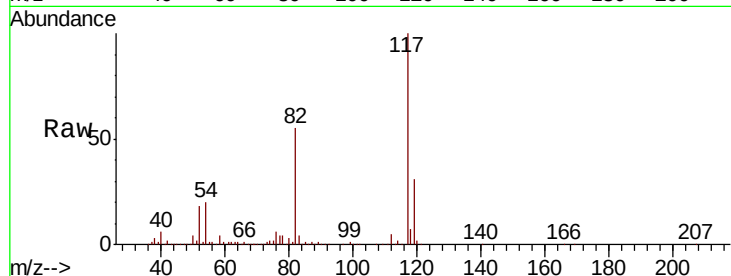




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. 0.00 min
Lab File: VW014515.D
Acq: 03 Jan 2020 22:35

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.7	44.6	67.0
119	30.8	25.7	38.5

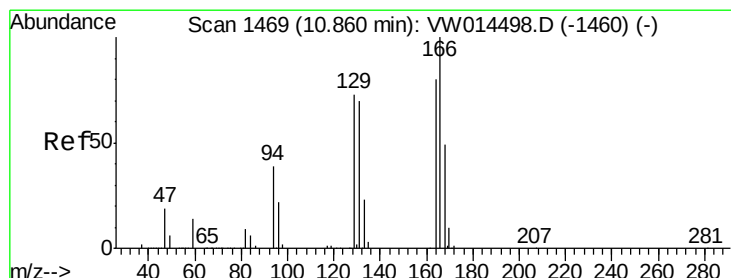
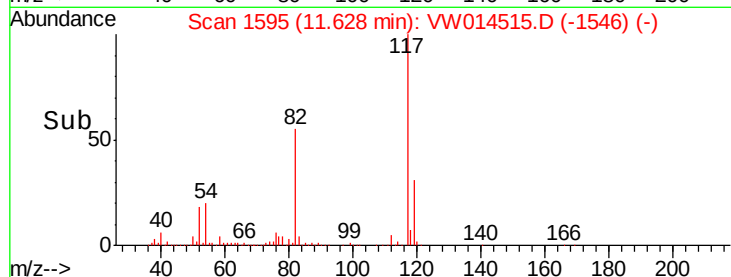
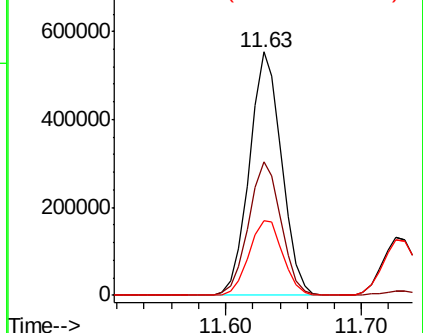


Abundance

Ion 116.90 (116.60 to 117.60): V

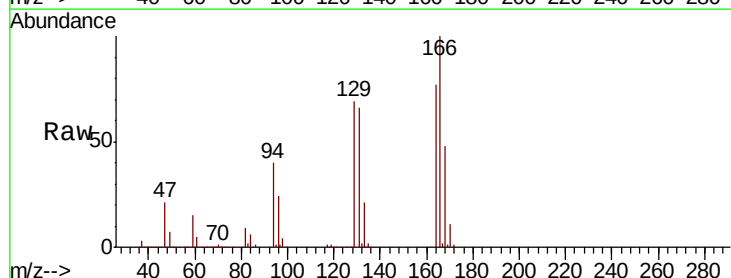
Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 53.834 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW014515.D
Acq: 03 Jan 2020 22:35

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.1	99.8	149.6
129	89.0	72.4	108.6
131	85.3	70.1	105.1



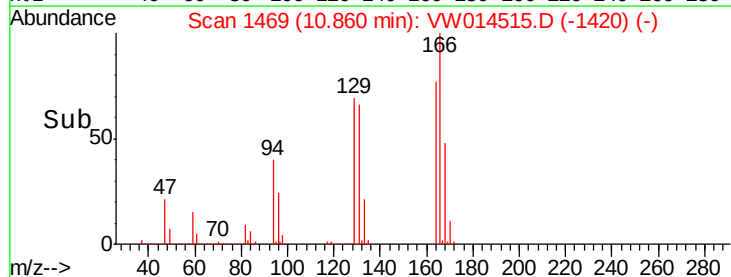
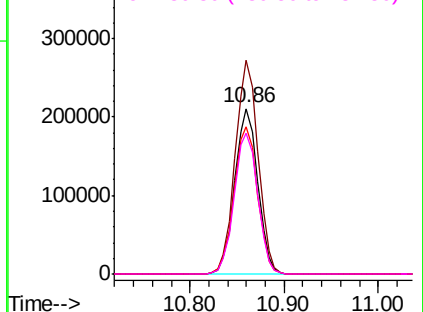
Abundance

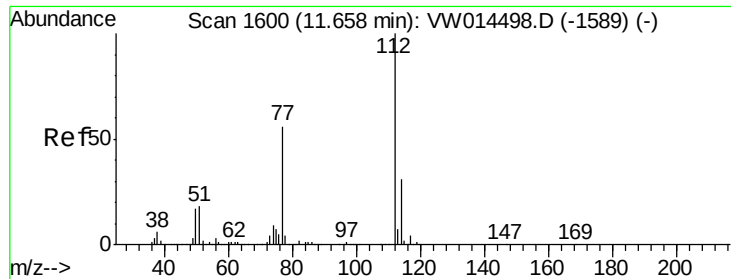
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

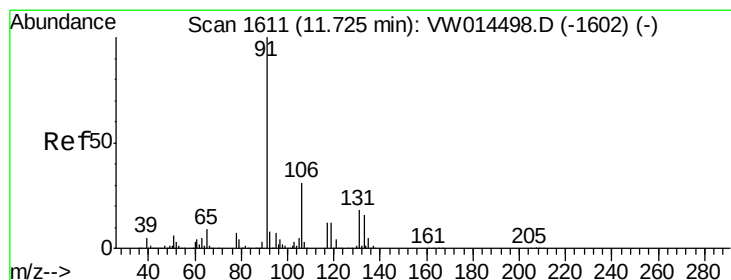
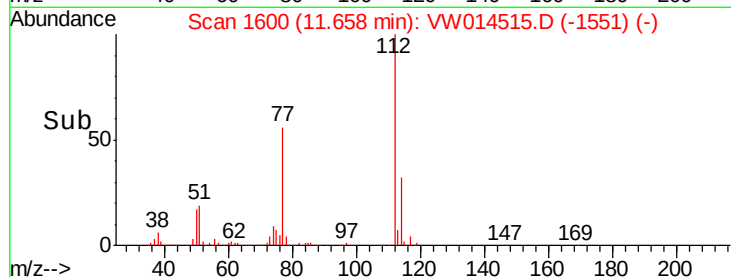
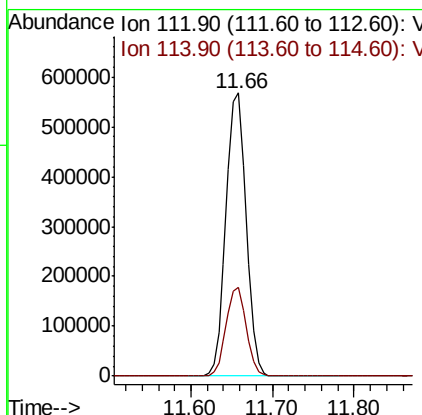
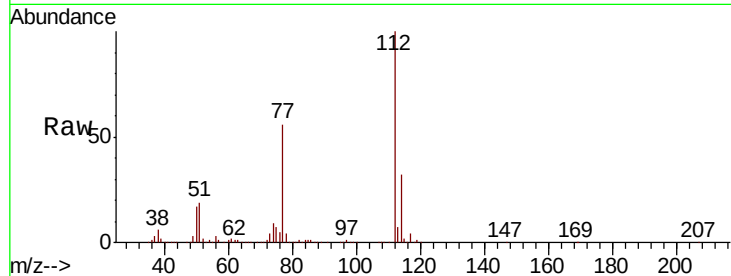




#65
Chlorobenzene
Concen: 51.510 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW014515.D
Acq: 03 Jan 2020 22:35

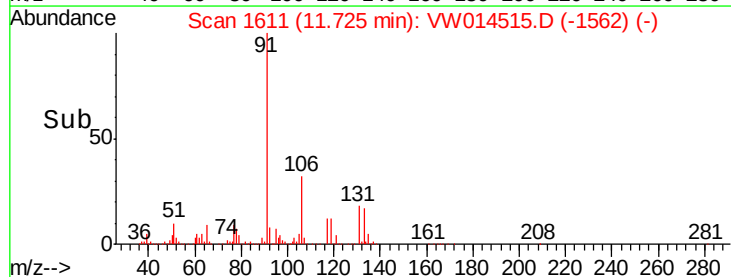
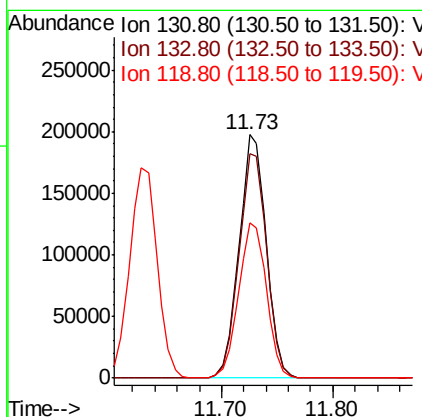
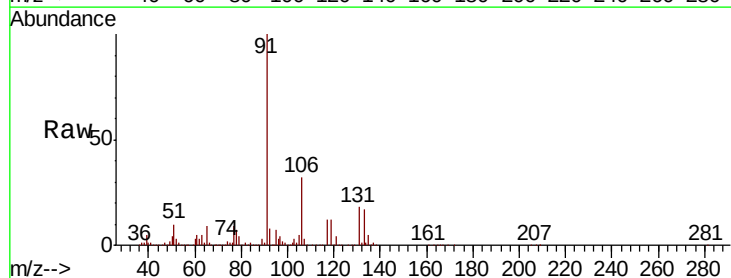
Instrument :
MSVOA_W
ClientSampleId :

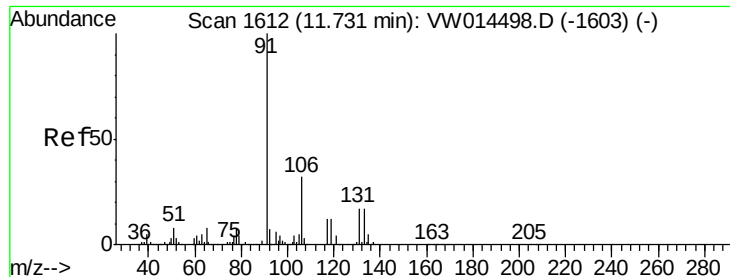
Tot Ion:112 Resp: 970185
Ion Ratio Lower Upper
112 100
114 31.5 24.6 37.0



#66
1,1,1,2-Tetrachloroethane
Concen: 52.462 ug/l
RT: 11.73 min Scan# 1611
Delta R.T. 0.00 min
Lab File: VW014515.D
Acq: 03 Jan 2020 22:35

Tgt Ion:131 Resp: 332694
Ion Ratio Lower Upper
131 100
133 94.4 47.3 142.0
119 65.5 33.1 99.3

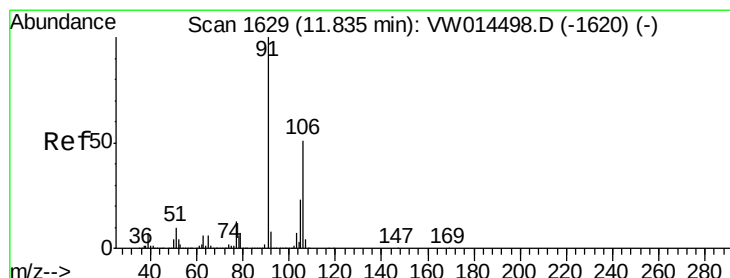
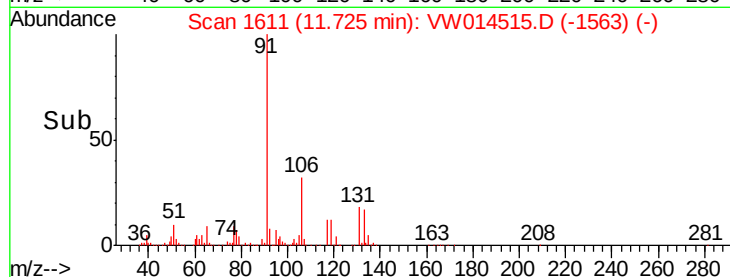
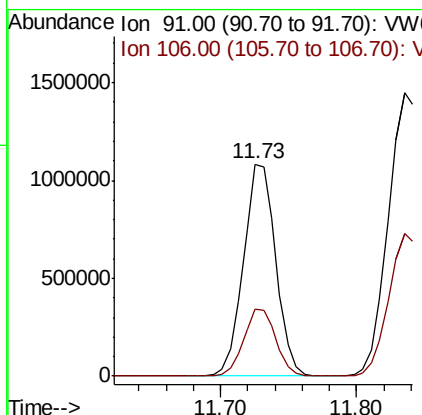
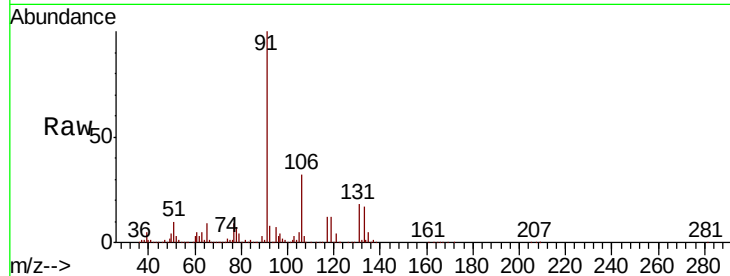




#67
Ethyl Benzene
Concen: 52.789 ug/l
RT: 11.73 min Scan# 1611
Delta R.T. -0.01 min
Lab File: VW014515.D
Acq: 03 Jan 2020 22:35

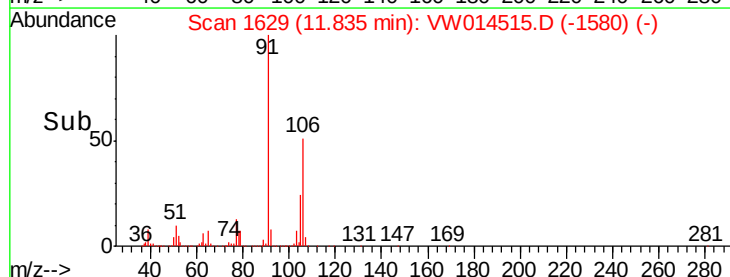
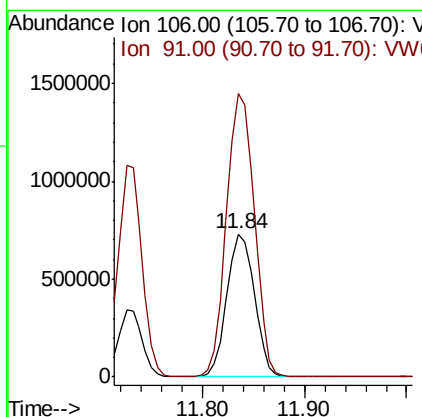
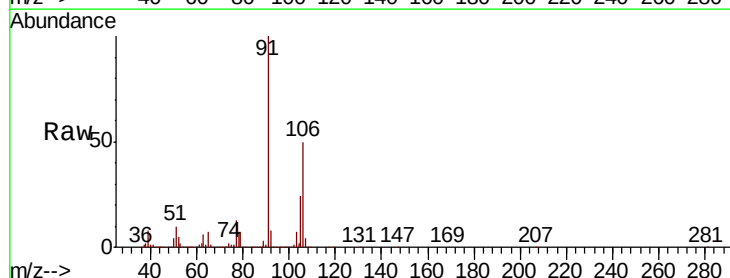
Instrument :
MSVOA_W
ClientSampleId :

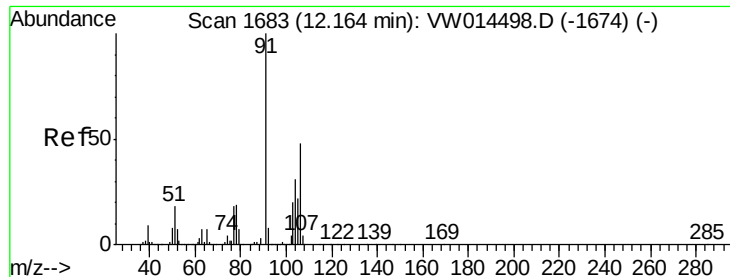
Tot Ion: 91 Resp: 1791813
Ion Ratio Lower Upper
91 100
106 31.6 25.5 38.3



#68
m/p-Xylenes
Concen: 105.255 ug/l
RT: 11.84 min Scan# 1629
Delta R.T. 0.00 min
Lab File: VW014515.D
Acq: 03 Jan 2020 22:35

Tgt Ion:106 Resp: 1367357
Ion Ratio Lower Upper
106 100
91 200.2 159.0 238.6

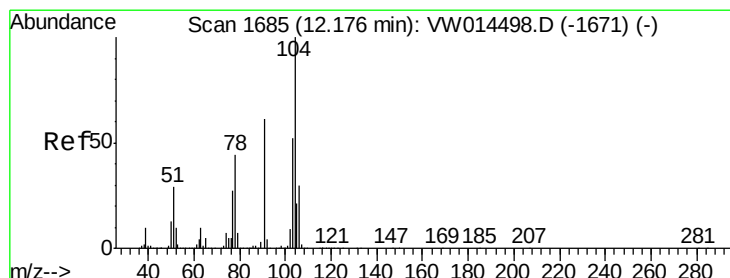
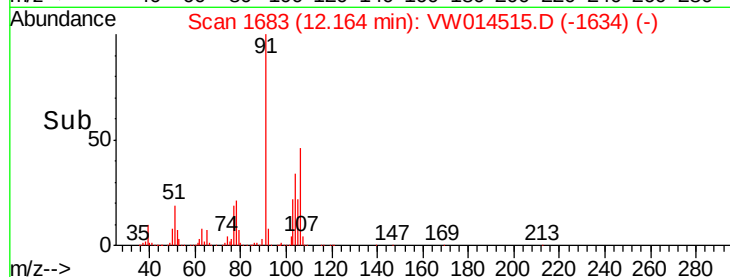
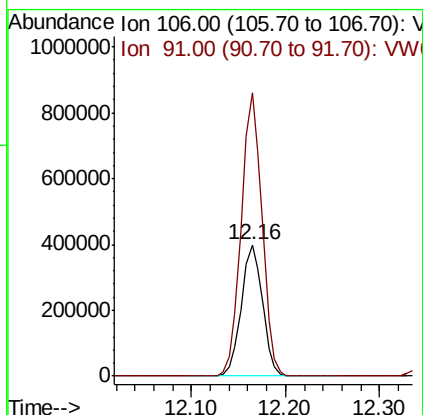
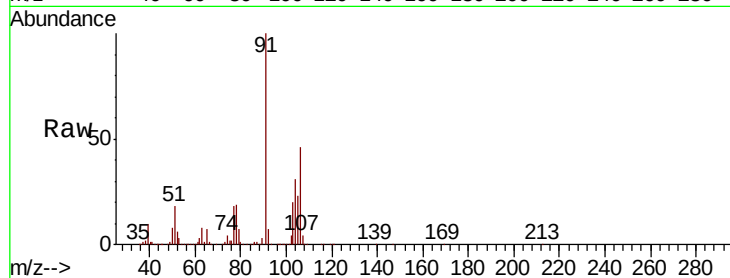




#69
o-Xylene
Concen: 52.184 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW014515.D
Acq: 03 Jan 2020 22:35

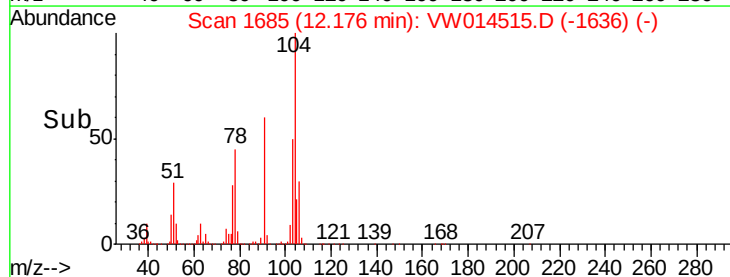
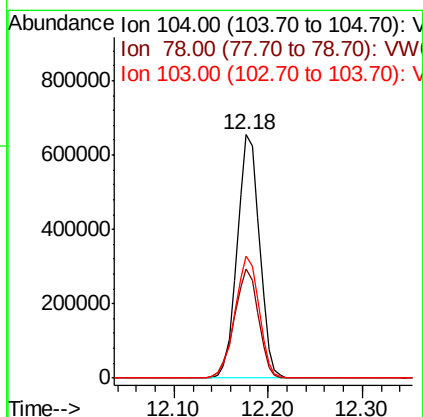
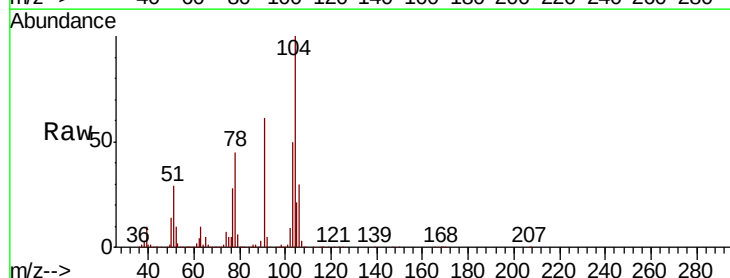
Instrument :
MSVOA_W
ClientSampleId :

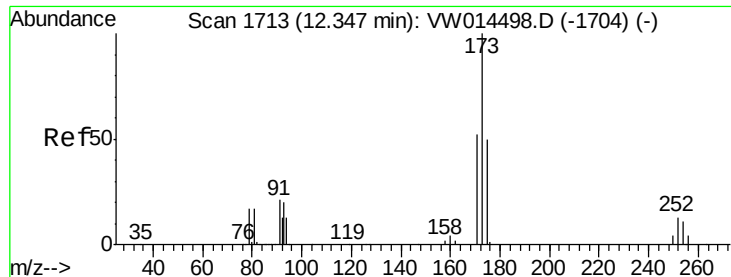
Tot Ion:106 Resp: 626209
Ion Ratio Lower Upper
106 100
91 211.7 105.2 315.6



#70
Styrene
Concen: 53.148 ug/l
RT: 12.18 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VW014515.D
Acq: 03 Jan 2020 22:35

Tgt Ion:104 Resp: 1078728
Ion Ratio Lower Upper
104 100
78 48.4 38.4 57.6
103 53.8 43.7 65.5





#71

Bromoform

Concen: 55.300 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW014515.D

Acq: 03 Jan 2020 22:35

Instrument :

MSVOA_W

ClientSampled :

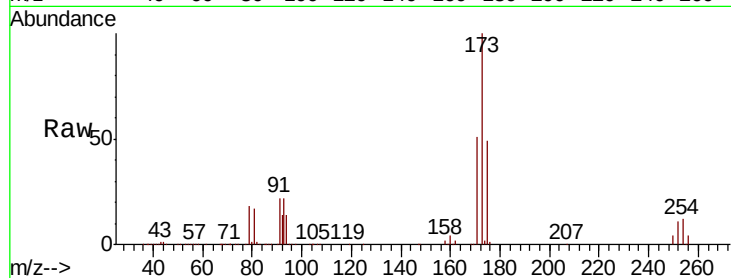
Tot Ion:173 Resp: 191287

Ion Ratio Lower Upper

173 100

175 49.5 24.5 73.5

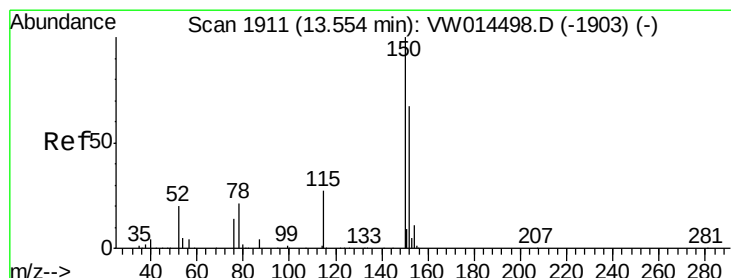
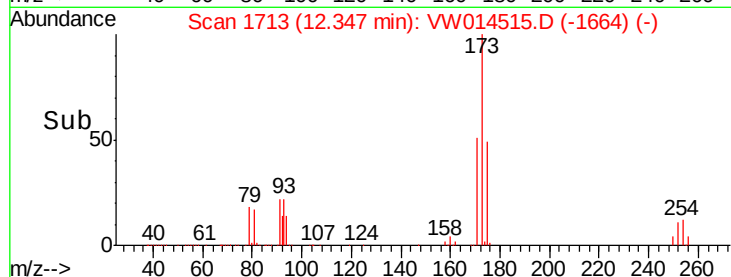
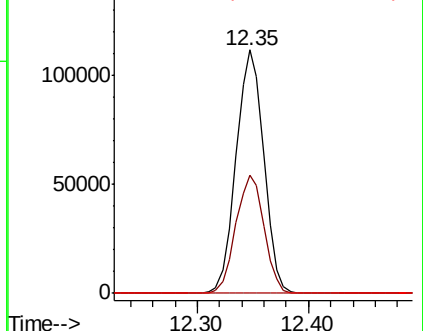
254 0.1 0.0 0.0#



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: VW014515.D

Acq: 03 Jan 2020 22:35

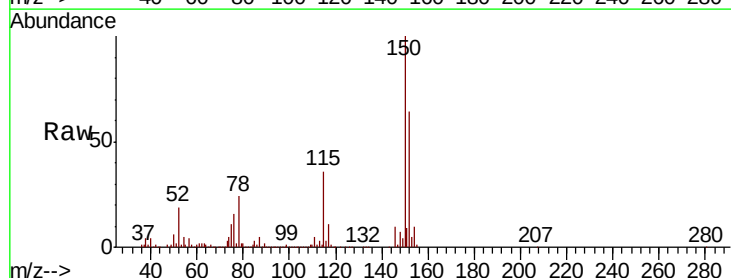
Tgt Ion:152 Resp: 458356

Ion Ratio Lower Upper

152 100

115 56.2 27.7 83.1

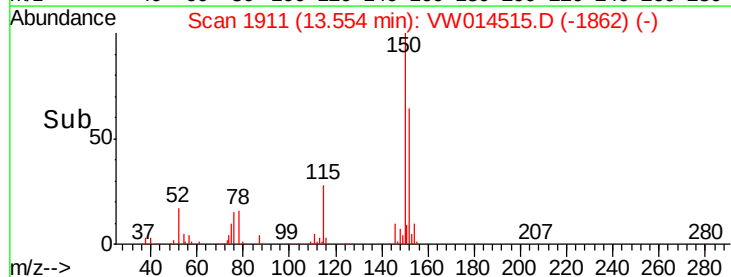
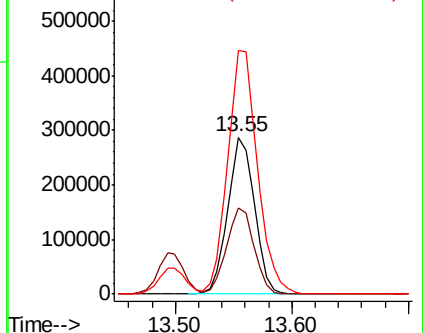
150 173.2 0.0 343.4

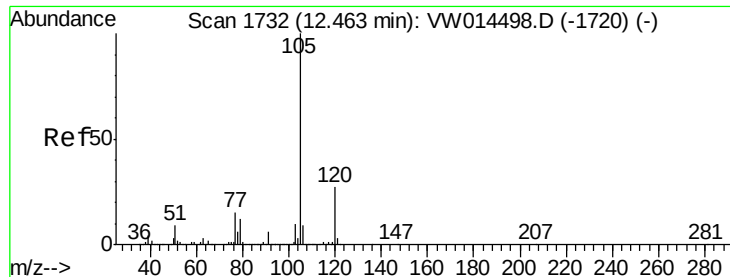


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 53.151 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW014515.D

Acq: 03 Jan 2020 22:35

Instrument :

MSVOA_W

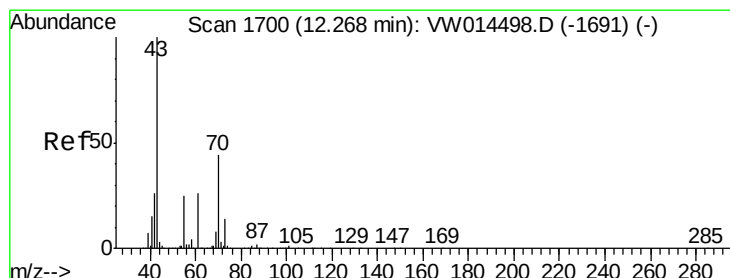
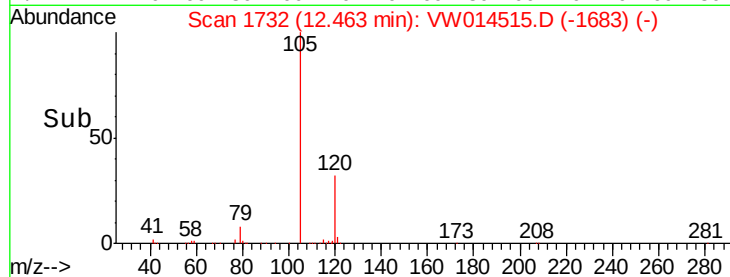
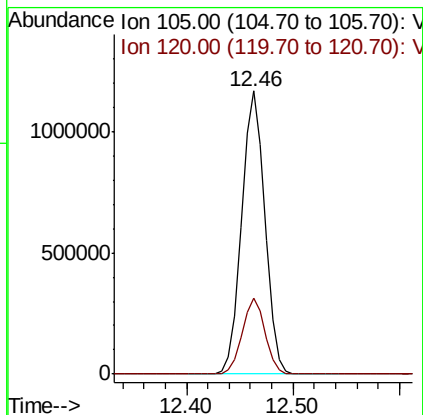
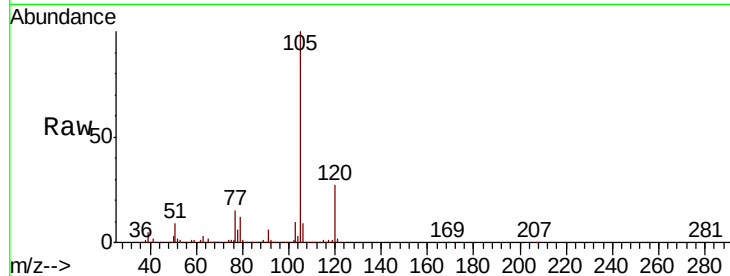
ClientSampled :

Tot Ion:105 Resp: 1787581

Ion Ratio Lower Upper

105 100

120 26.5 13.4 40.1



#74

N-ethyl acetate

Concen: 60.785 ug/l

RT: 12.27 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VW014515.D

Acq: 03 Jan 2020 22:35

Tgt Ion: 43 Resp: 458374

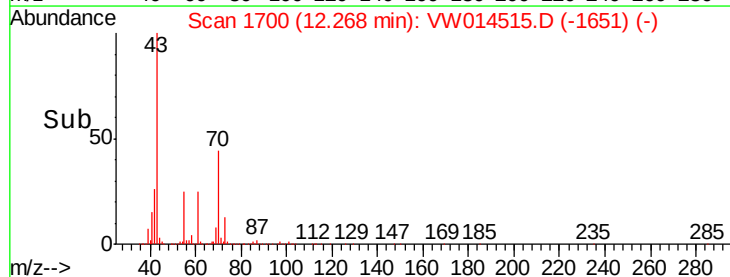
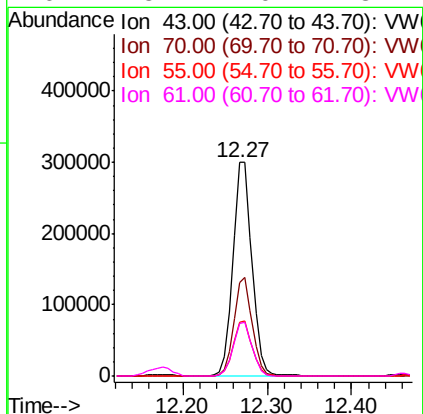
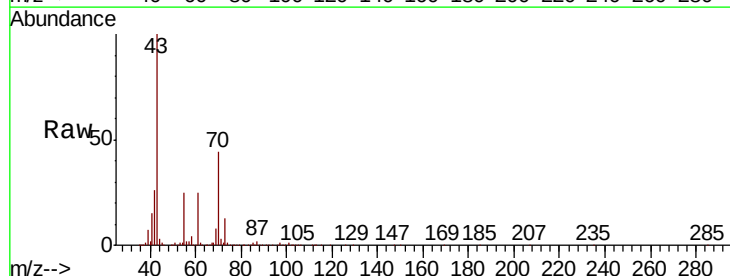
Ion Ratio Lower Upper

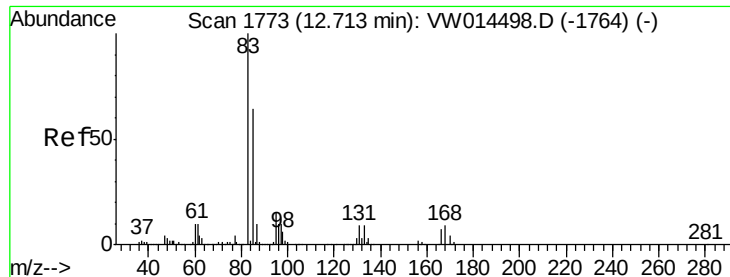
43 100

70 44.4 36.5 54.7

55 25.4 20.9 31.3

61 25.1 20.7 31.1





#75

1,1,2,2-Tetrachloroethane

Concen: 57.135 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW014515.D

Acq: 03 Jan 2020 22:35

Instrument :

MSVOA_W

ClientSampled :

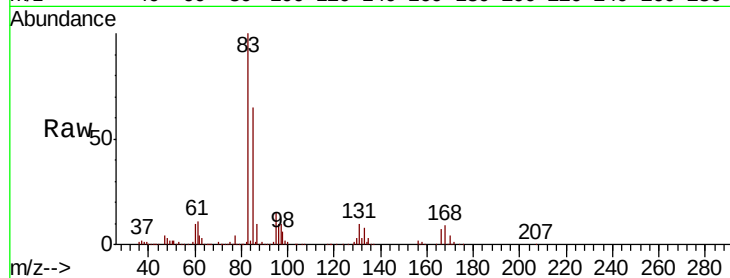
Tot Ion: 83 Resp: 346832

Ion Ratio Lower Upper

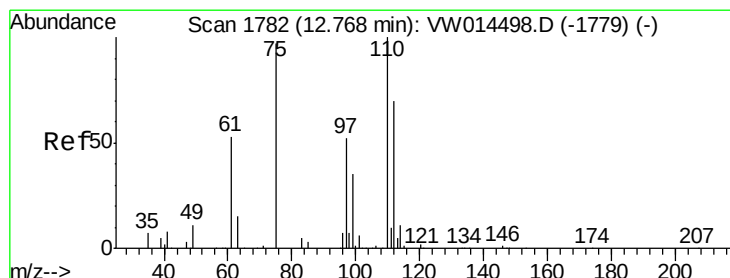
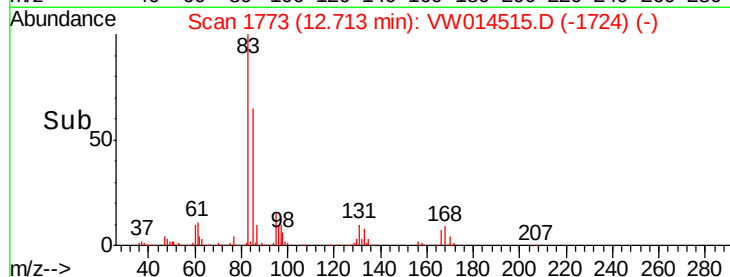
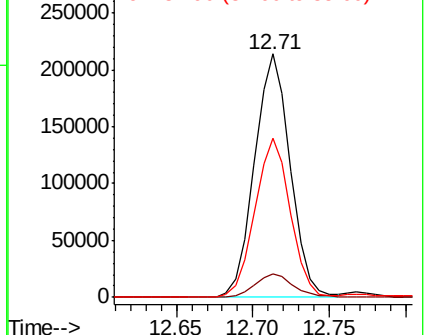
83 100

131 10.5 5.1 15.4

85 64.9 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: 101.161 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW014515.D

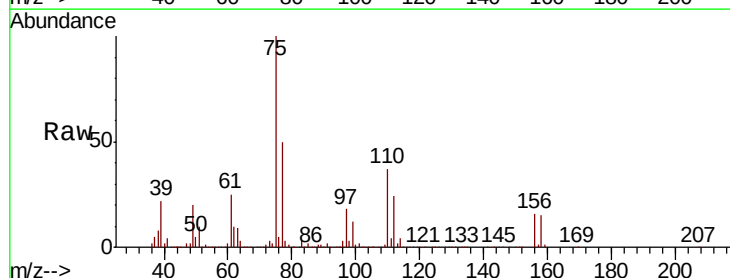
Acq: 03 Jan 2020 22:35

Tgt Ion: 75 Resp: 438401

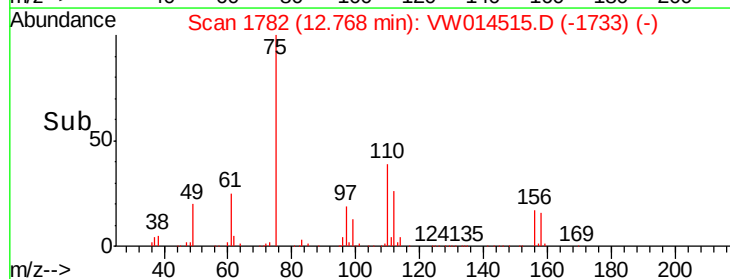
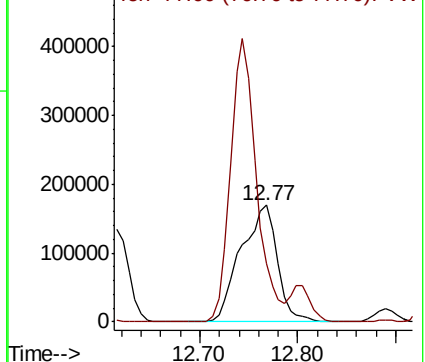
Ion Ratio Lower Upper

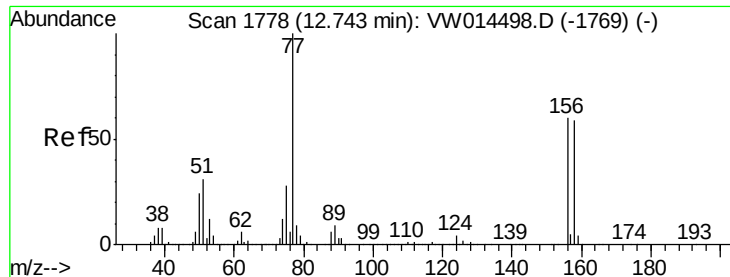
75 100

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: 50.739 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VW014515.D

Acq: 03 Jan 2020 22:35

Instrument :

MSVOA_W

ClientSampleId :

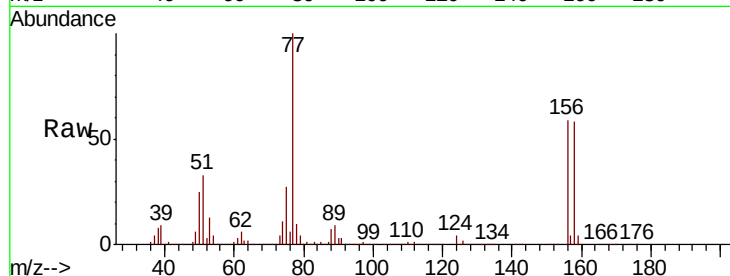
Tot Ion:156 Resp: 396334

Ion Ratio Lower Upper

156 100

77 191.2 92.3 277.1

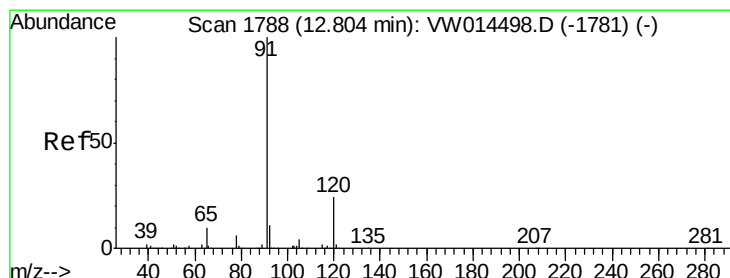
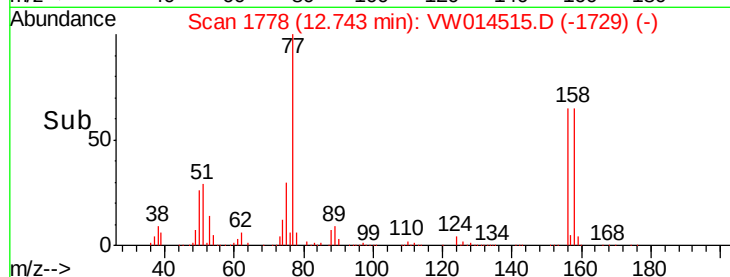
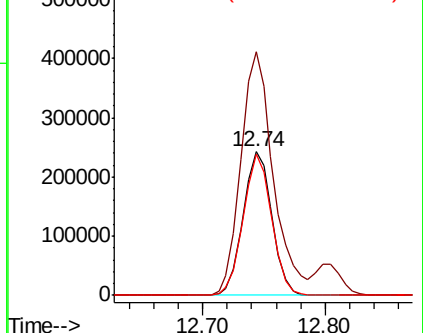
158 97.1 48.6 145.9



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: 53.714 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW014515.D

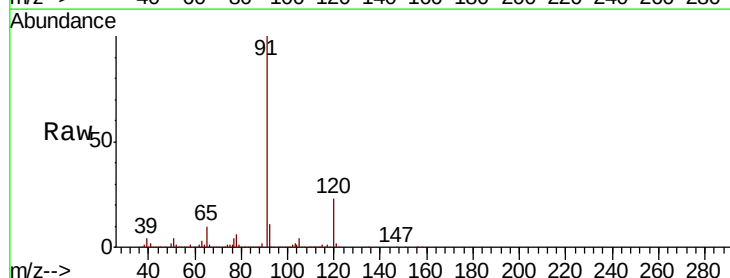
Acq: 03 Jan 2020 22:35

Tgt Ion: 91 Resp: 2124279

Ion Ratio Lower Upper

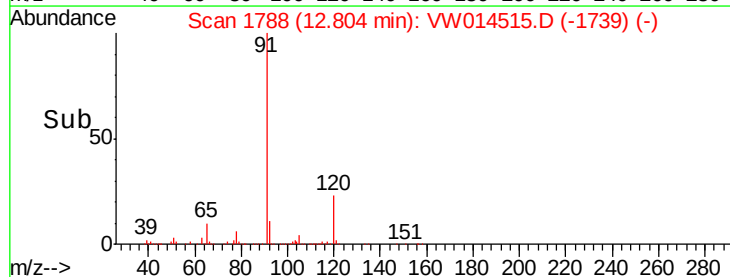
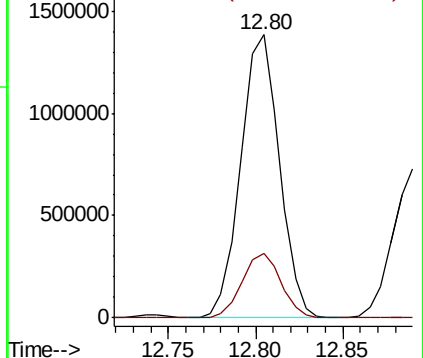
91 100

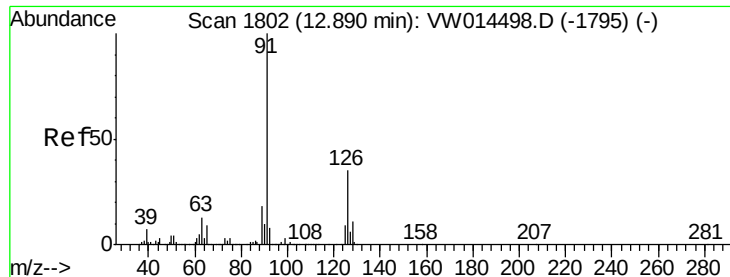
120 23.0 11.7 35.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 51.065 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VW014515.D

Acq: 03 Jan 2020 22:35

Instrument :

MSVOA_W

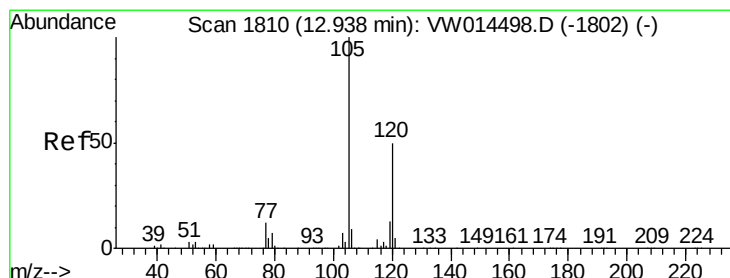
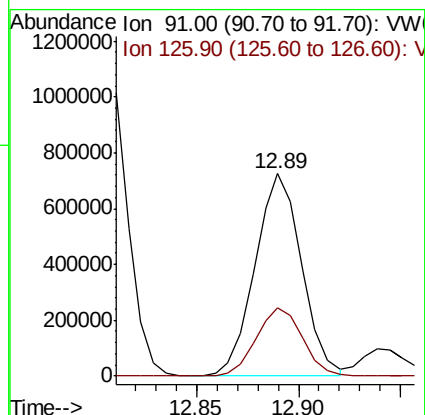
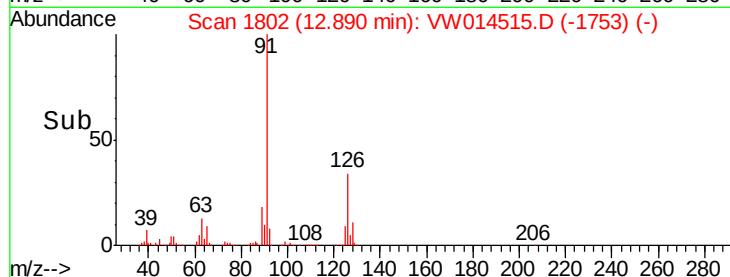
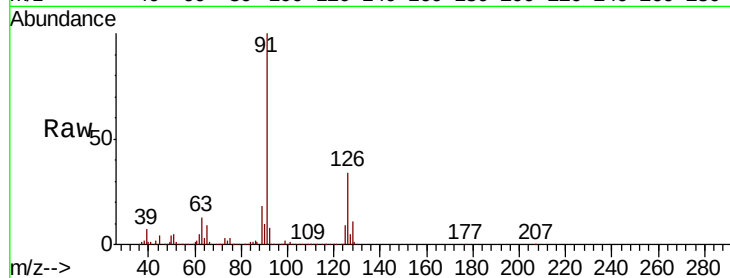
ClientSampled :

Tot Ion: 91 Resp: 1149252

Ion Ratio Lower Upper

91 100

126 33.8 17.1 51.2



#80

1,3,5-Trimethylbenzene

Concen: 51.930 ug/l

RT: 12.94 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VW014515.D

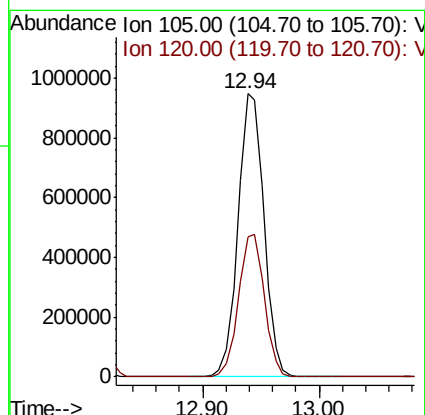
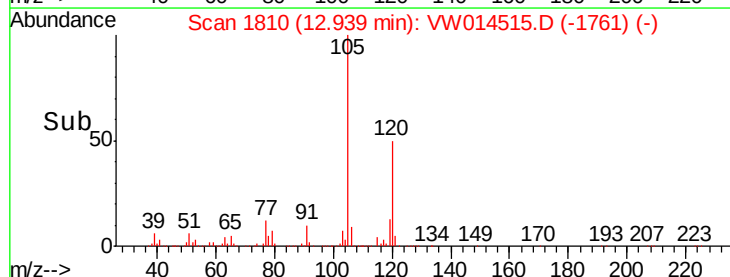
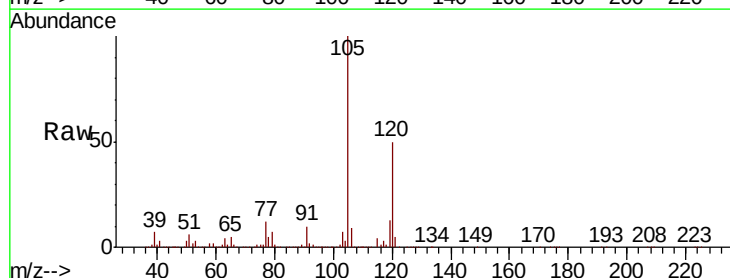
Acq: 03 Jan 2020 22:35

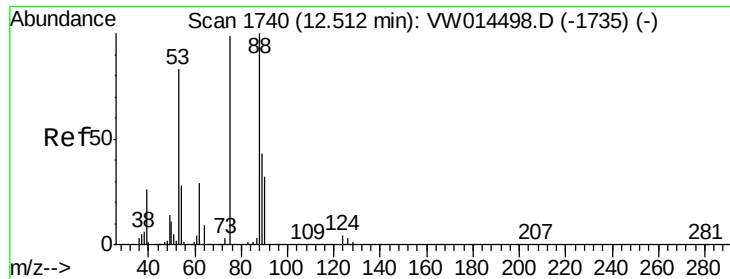
Tgt Ion:105 Resp: 1466429

Ion Ratio Lower Upper

105 100

120 50.4 25.2 75.6





#81

trans-1,4-Dichloro-2-butene

Concen: 56.603 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW014515.D

Acq: 03 Jan 2020 22:35

Instrument :

MSVOA_W

ClientSampleId :

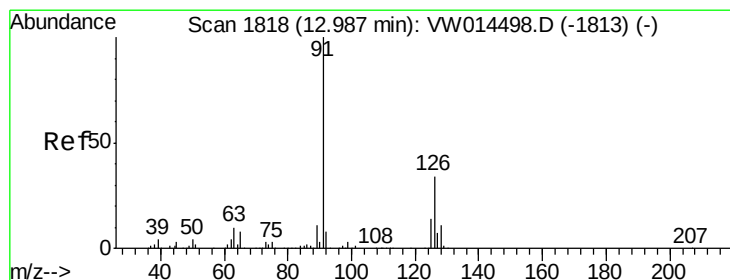
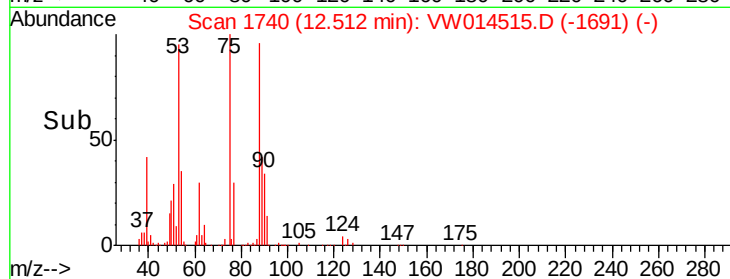
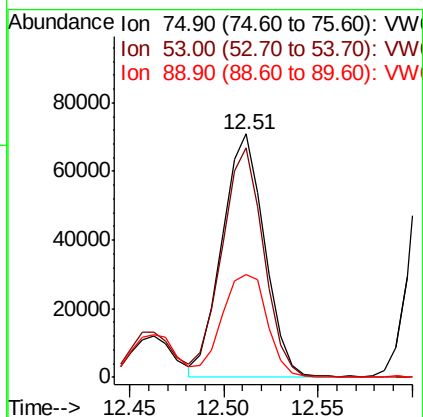
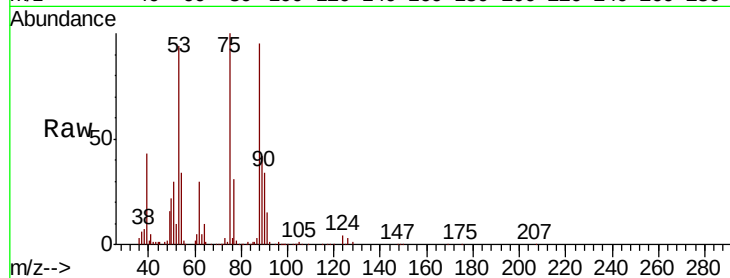
Tot Ion: 75 Resp: 110097

Ion Ratio Lower Upper

75 100

53 93.6 70.9 106.3

89 45.7 35.8 53.8



#82

4-Chlorotoluene

Concen: 51.134 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. 0.00 min

Lab File: VW014515.D

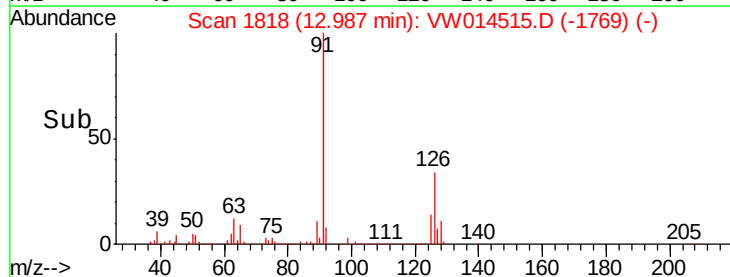
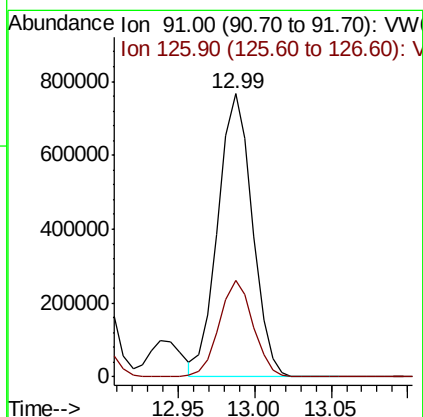
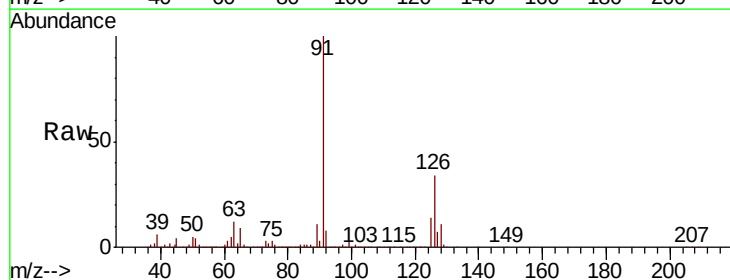
Acq: 03 Jan 2020 22:35

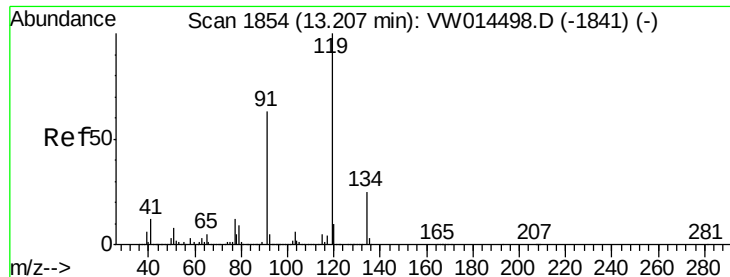
Tgt Ion: 91 Resp: 1195623

Ion Ratio Lower Upper

91 100

126 33.6 17.1 51.2





#83

tert-Butylbenzene

Concen: 52.617 ug/l

RT: 13.20 min Scan# 1853

Delta R.T. -0.01 min

Lab File: VW014515.D

Acq: 03 Jan 2020 22:35

Instrument :

MSVOA_W

ClientSampled :

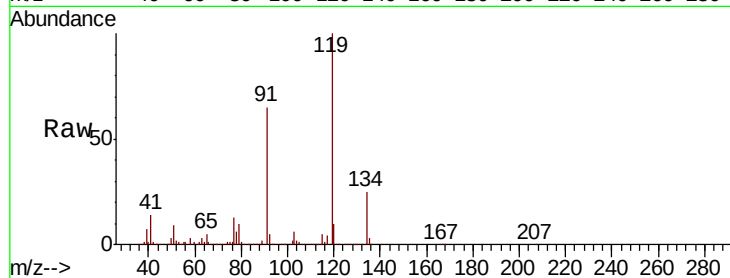
Tot Ion:119 Resp: 1300885

Ion Ratio Lower Upper

119 100

91 63.6 31.1 93.3

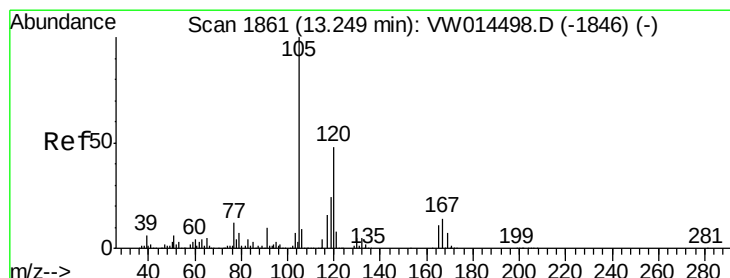
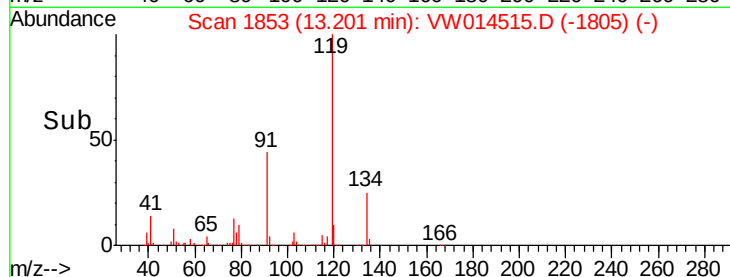
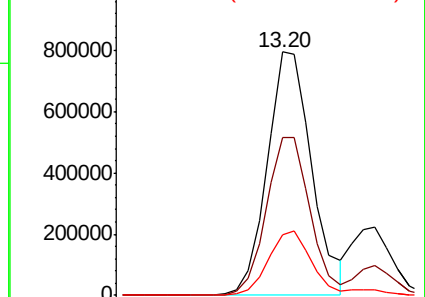
134 27.3 13.5 40.5



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 51.455 ug/l

RT: 13.25 min Scan# 1861

Delta R.T. 0.00 min

Lab File: VW014515.D

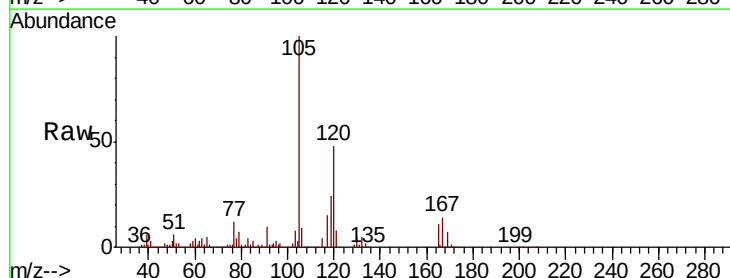
Acq: 03 Jan 2020 22:35

Tgt Ion:105 Resp: 1445965

Ion Ratio Lower Upper

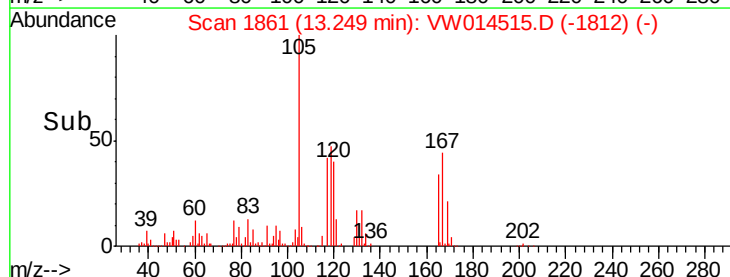
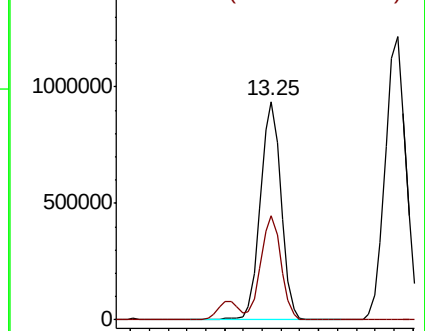
105 100

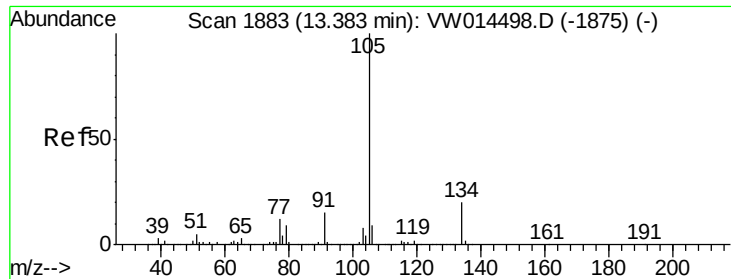
120 46.9 23.4 70.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 54.437 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW014515.D

Acq: 03 Jan 2020 22:35

Instrument :

MSVOA_W

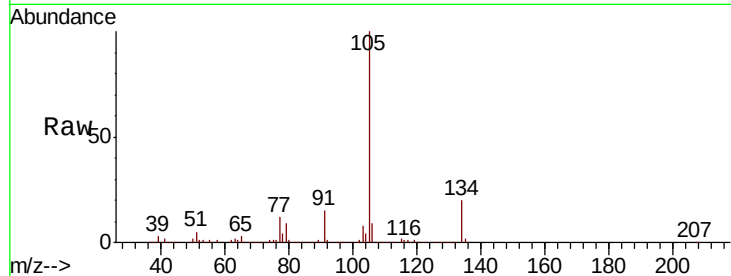
ClientSampleId :

Tot Ion:105 Resp: 1862947

Ion Ratio Lower Upper

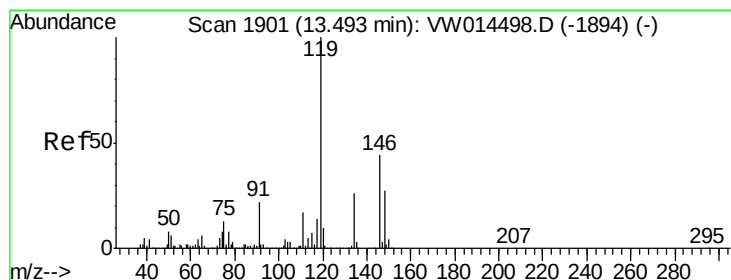
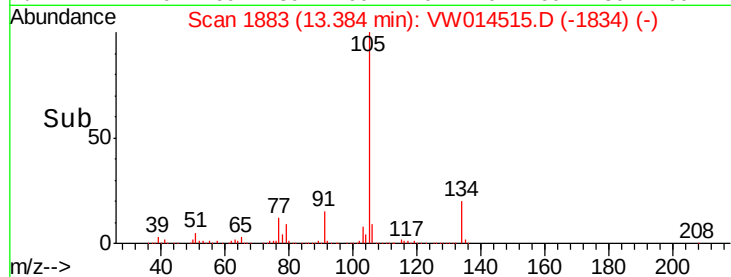
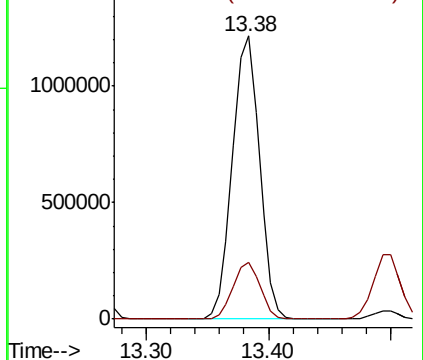
105 100

134 20.1 10.2 30.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 53.039 ug/l

RT: 13.49 min Scan# 1901

Delta R.T. 0.00 min

Lab File: VW014515.D

Acq: 03 Jan 2020 22:35

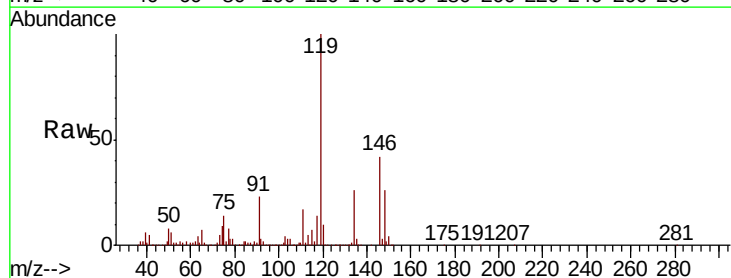
Tgt Ion:119 Resp: 1654434

Ion Ratio Lower Upper

119 100

134 26.1 13.2 39.5

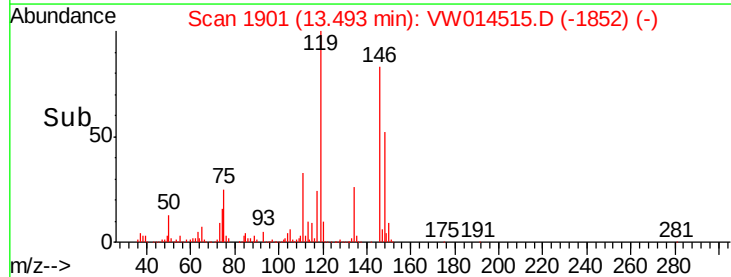
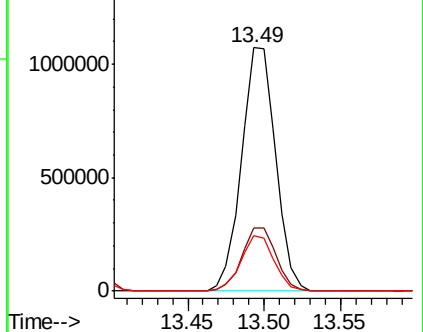
91 22.2 11.1 33.3

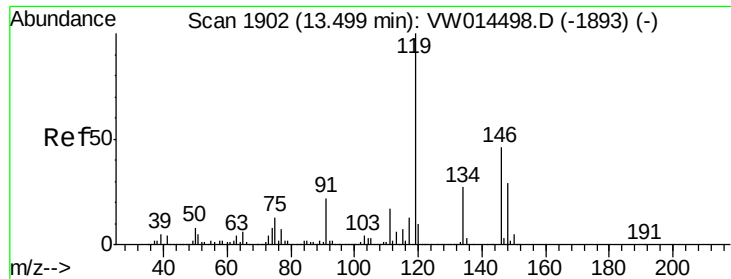


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

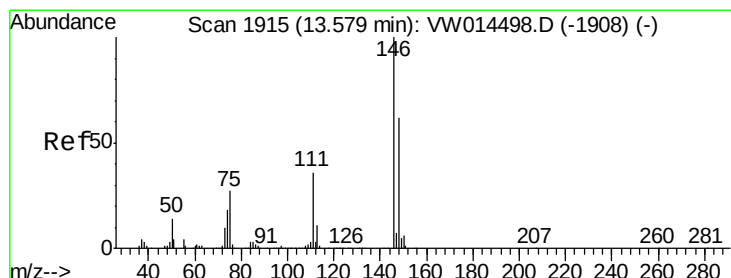
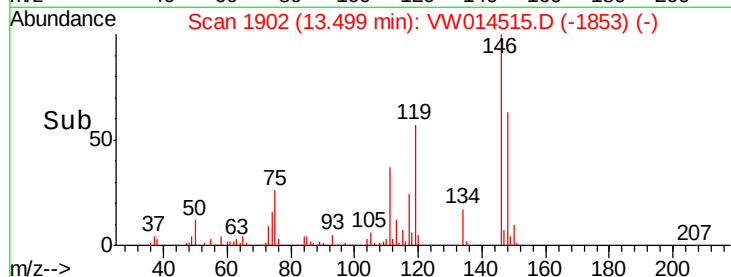
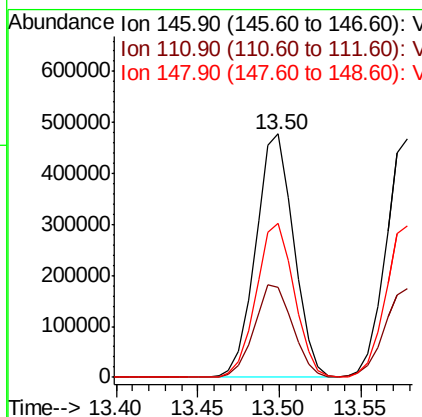
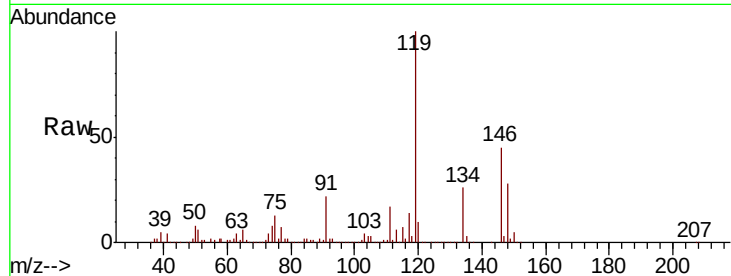




#87
 1,3-Dichlorobenzene
 Concen: 50.621 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW014515.D
 Acq: 03 Jan 2020 22:35

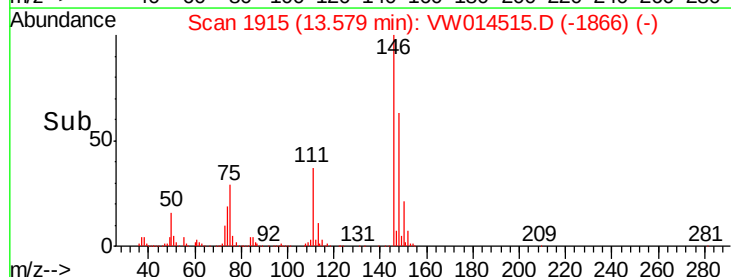
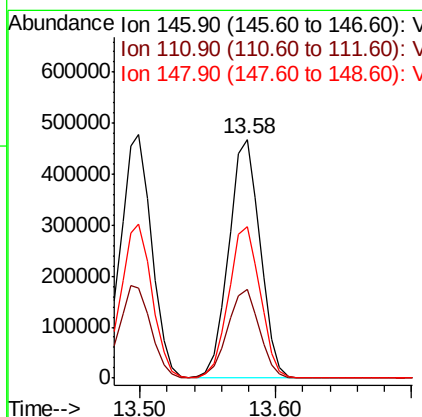
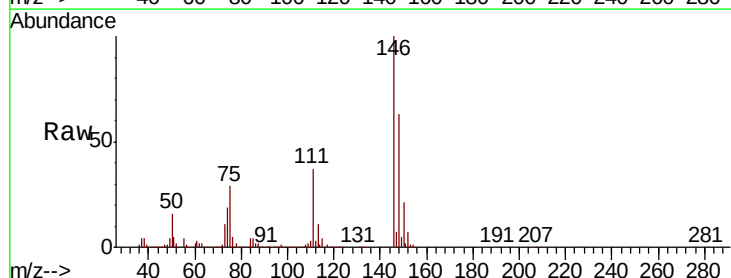
Instrument :
 MSVOA_W
 ClientSampleId :

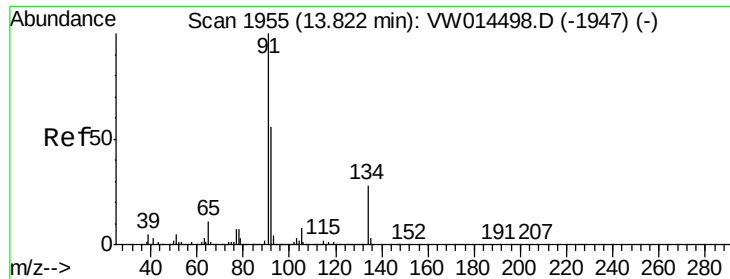
Tot Ion:146 Resp: 768906
 Ion Ratio Lower Upper
 146 100
 111 38.4 19.3 57.9
 148 63.3 31.8 95.4



#88
 1,4-Dichlorobenzene
 Concen: 49.960 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW014515.D
 Acq: 03 Jan 2020 22:35

Tgt Ion:146 Resp: 749196
 Ion Ratio Lower Upper
 146 100
 111 37.8 18.7 56.1
 148 64.1 31.7 95.1





#89

n-Butylbenzene

Concen: 54.043 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW014515.D

Acq: 03 Jan 2020 22:35

Instrument :

MSVOA_W

ClientSampled :

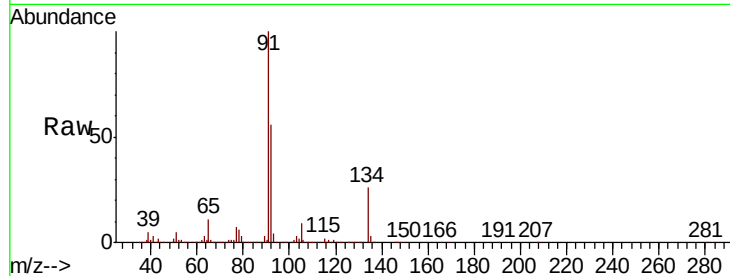
Tot Ion: 91 Resp: 1565458

Ion	Ratio	Lower	Upper
91	100		
92	54.8	27.5	82.5
134	26.1	13.7	41.1

91 100

92 54.8 27.5 82.5

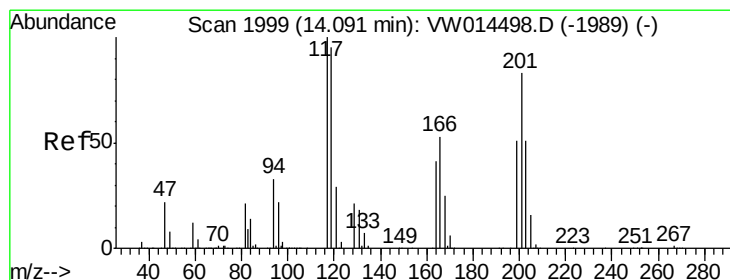
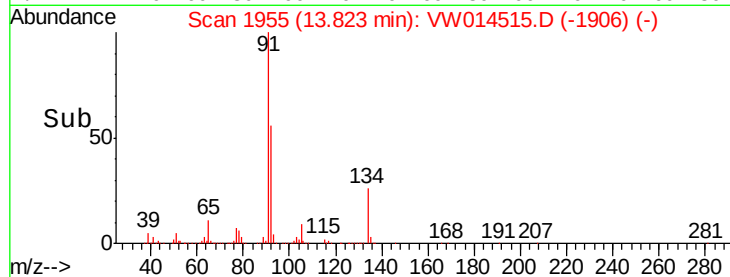
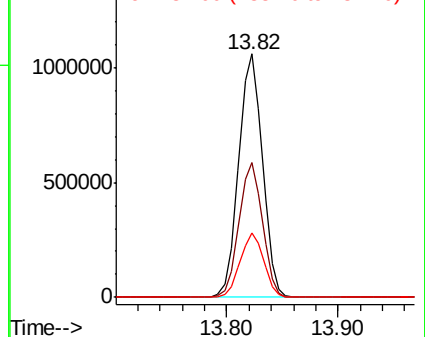
134 26.1 13.7 41.1



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: 50.932 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. 0.00 min

Lab File: VW014515.D

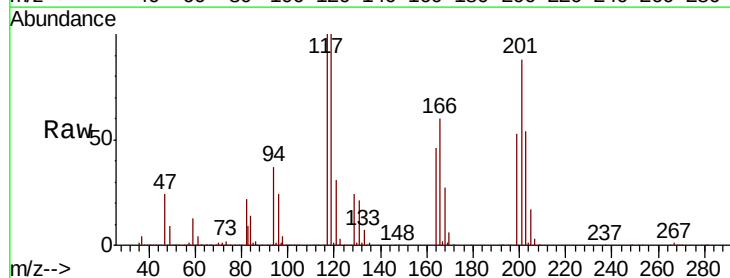
Acq: 03 Jan 2020 22:35

Tgt Ion: 117 Resp: 277537

Ion	Ratio	Lower	Upper
117	100		
201	85.3	43.0	128.8

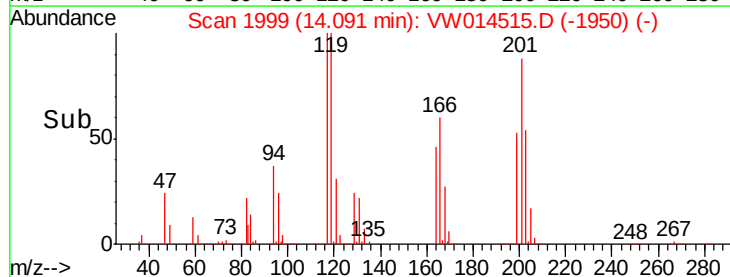
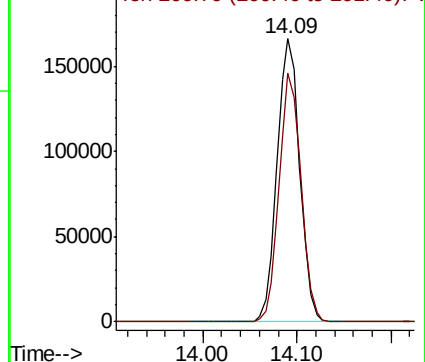
117 100

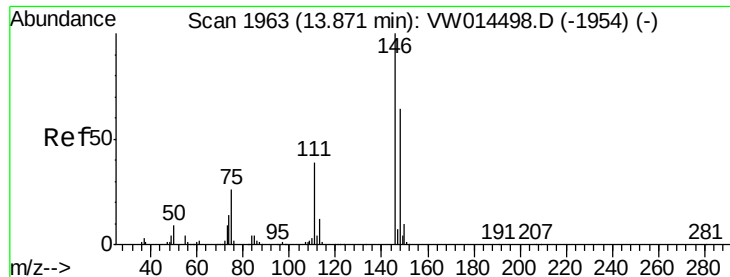
201 85.3 43.0 128.8



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V





#91

1,2-Dichlorobenzene

Concen: 50.675 ug/l

RT: 13.87 min Scan# 1962

Delta R.T. -0.01 min

Lab File: VW014515.D

Acq: 03 Jan 2020 22:35

Instrument :

MSVOA_W

ClientSampleId :

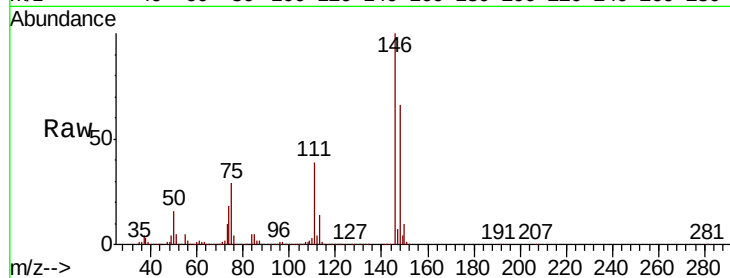
Tot Ion:146 Resp: 676530

Ion Ratio Lower Upper

146 100

111 40.6 20.4 61.3

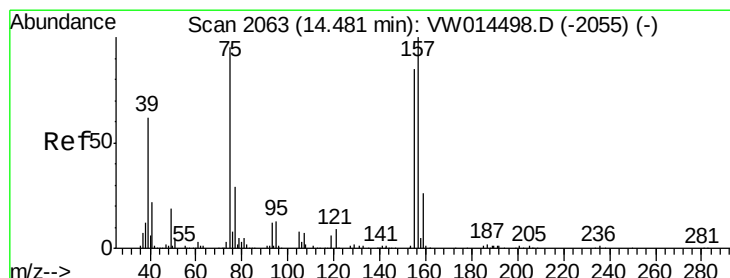
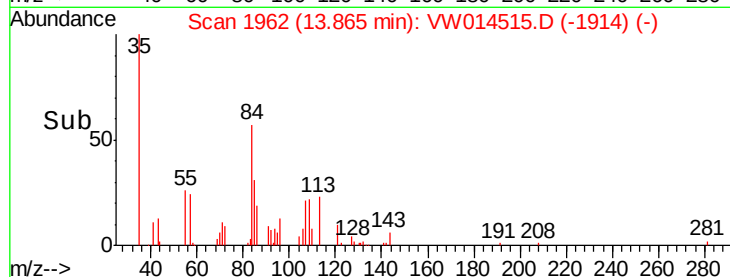
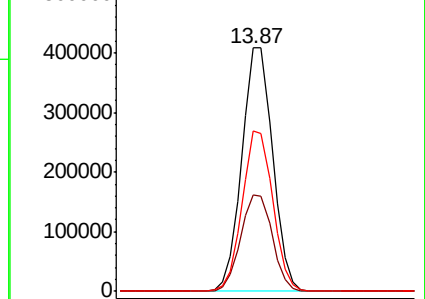
148 65.0 32.3 96.8



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 60.485 ug/l

RT: 14.48 min Scan# 2063

Delta R.T. 0.00 min

Lab File: VW014515.D

Acq: 03 Jan 2020 22:35

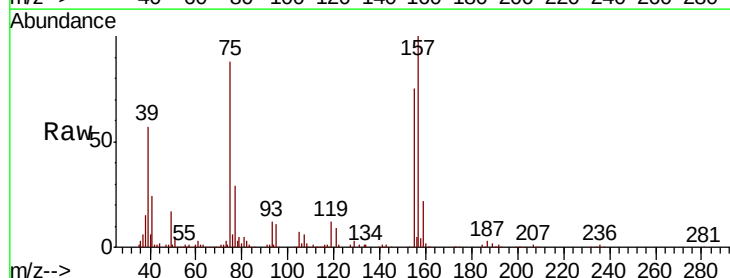
Tgt Ion: 75 Resp: 58144

Ion Ratio Lower Upper

75 100

155 88.3 45.8 137.4

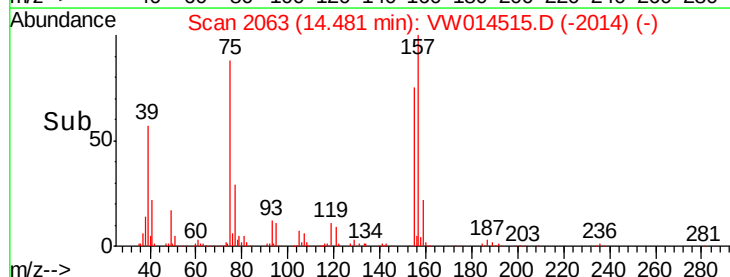
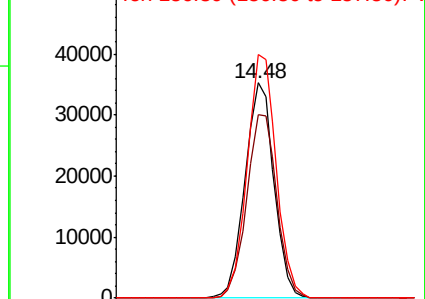
157 112.9 58.1 174.2

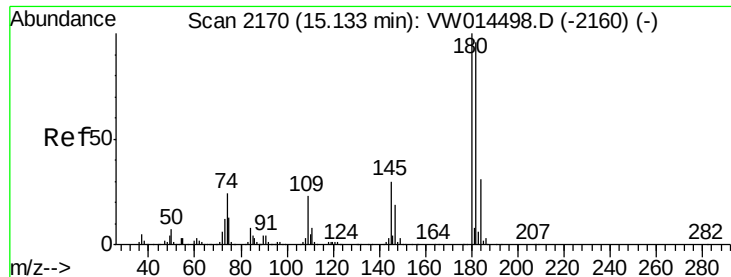


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

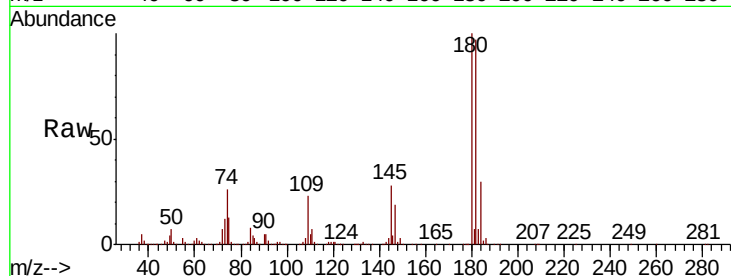




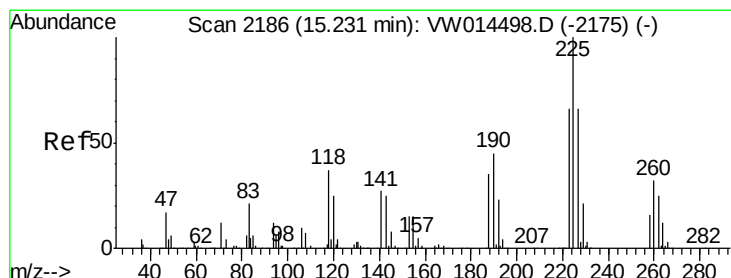
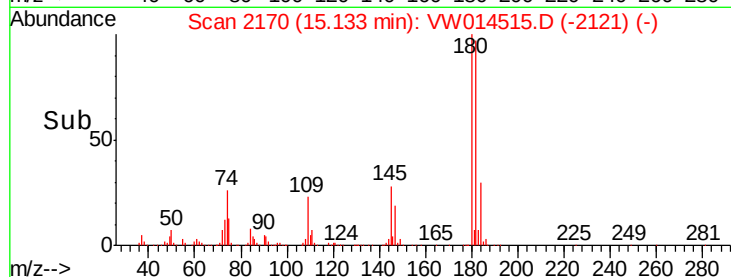
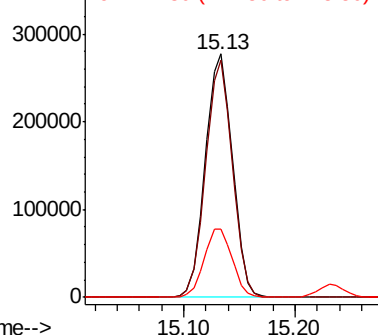
#93
 1,2,4-Trichlorobenzene
 Concen: 51.875 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW014515.D
 Acq: 03 Jan 2020 22:35

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:180 Resp: 467684
 Ion Ratio Lower Upper
 180 100
 182 95.7 47.3 141.8
 145 29.1 14.7 44.1

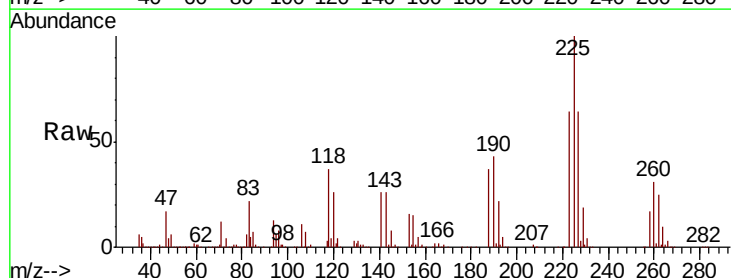


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

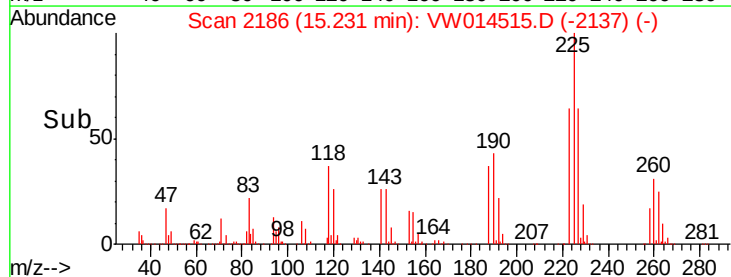
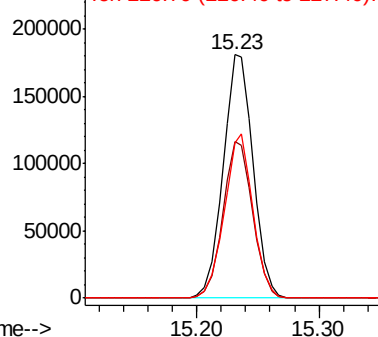


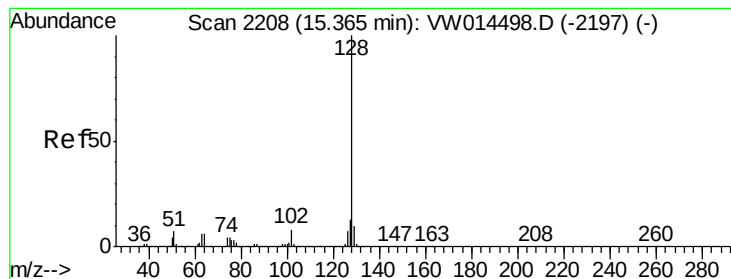
#94
 Hexachlorobutadiene
 Concen: 50.896 ug/l
 RT: 15.23 min Scan# 2186
 Delta R.T. 0.00 min
 Lab File: VW014515.D
 Acq: 03 Jan 2020 22:35

Tgt Ion:225 Resp: 307498
 Ion Ratio Lower Upper
 225 100
 223 63.8 32.4 97.2
 227 64.5 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: 59.791 ug/l

RT: 15.36 min Scan# 2208

Delta R.T. 0.00 min

Lab File: VW014515.D

Acq: 03 Jan 2020 22:35

Instrument :

MSVOA_W

ClientSampleId :

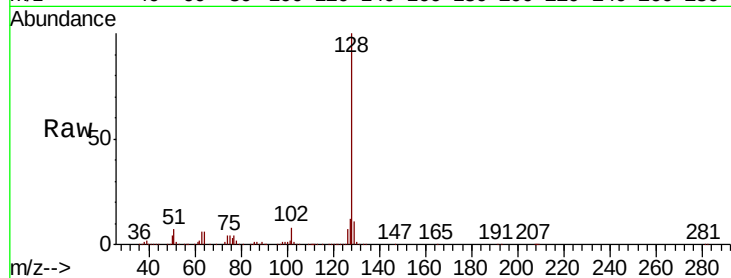
Tot Ion:128 Resp: 919320

Ion Ratio Lower Upper

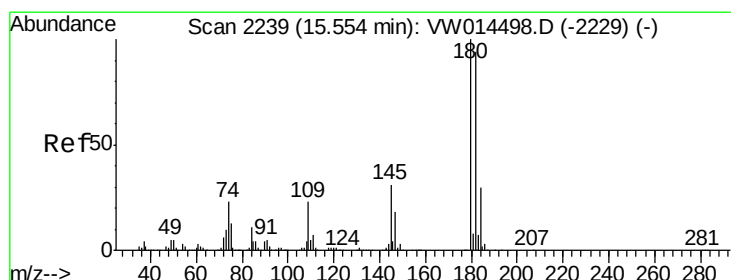
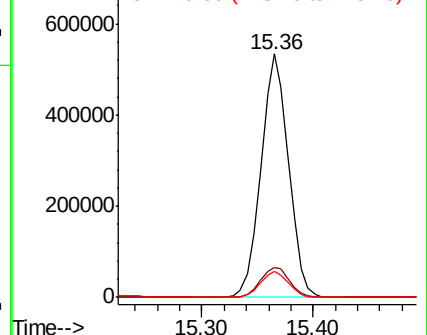
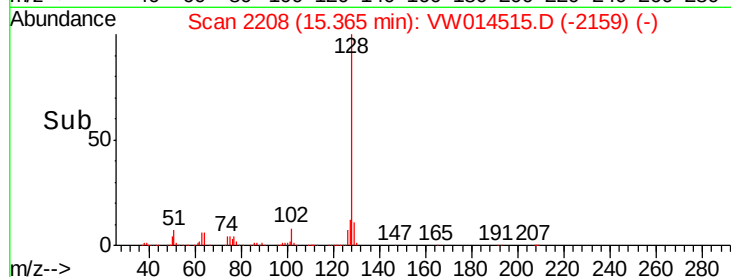
128 100

127 13.2 10.6 15.8

129 10.7 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: 53.414 ug/l

RT: 15.55 min Scan# 2239

Delta R.T. 0.00 min

Lab File: VW014515.D

Acq: 03 Jan 2020 22:35

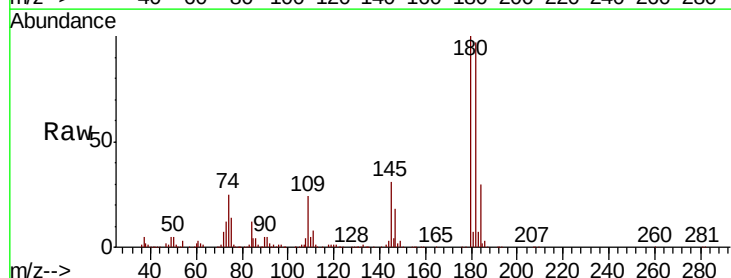
Tgt Ion:180 Resp: 419751

Ion Ratio Lower Upper

180 100

182 94.7 47.4 142.2

145 30.2 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

