

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW100819\
 Data File : VW013487.D
 Acq On : 08 Oct 2019 15:27
 Operator : SY/VA
 Sample : VW1008SBSD01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Oct 09 06:02:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W100819S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 09 05:54:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	301286	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	424880	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	362849	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	185272	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	113613	48.81	ug/l	0.00
Spiked Amount			Recovery	=	97.62%	
35) Dibromofluoromethane	7.88	113	113658	47.90	ug/l	0.00
Spiked Amount			Recovery	=	95.80%	
50) Toluene-d8	10.32	98	481237	48.26	ug/l	0.00
Spiked Amount			Recovery	=	96.52%	
62) 4-Bromofluorobenzene	12.62	95	162838	48.61	ug/l	0.00
Spiked Amount			Recovery	=	97.22%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	23068	23.115	ug/l	96
3) Chloromethane	2.21	50	39313	22.411	ug/l	96
4) Vinyl Chloride	2.36	62	55680	21.519	ug/l	99
5) Bromomethane	2.77	94	31778	20.583	ug/l	100
6) Chloroethane	2.91	64	30133	20.737	ug/l	99
7) Trichlorofluoromethane	3.25	101	24969	20.395	ug/l	99
8) Diethyl Ether	3.68	74	28088	22.166	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.06	101	51977	20.600	ug/l	97
10) Methyl Iodide	4.26	142	81902	20.499	ug/l	99
11) Tert butyl alcohol	5.20	59	25762	147.911	ug/l	97
12) 1,1-Dichloroethene	4.04	96	52569	20.104	ug/l	99
13) Acrolein	3.89	56	26428	128.628	ug/l	100
14) Allyl chloride	4.67	41	81764	20.347	ug/l	100
15) Acrylonitrile	5.36	53	72749	122.835	ug/l	99
16) Acetone	4.13	43	63436	117.110	ug/l	99
17) Carbon Disulfide	4.38	76	149332	20.345	ug/l	98
18) Methyl Acetate	4.67	43	37404	24.106	ug/l	100
19) Methyl tert-butyl Ether	5.43	73	86567	21.893	ug/l	98
20) Methylene Chloride	4.92	84	61983	21.340	ug/l	99
21) trans-1,2-Dichloroethene	5.42	96	58139	20.924	ug/l	96
22) Diisopropyl ether	6.31	45	155327	20.630	ug/l	97
23) Vinyl Acetate	6.25	43	513135	113.520	ug/l	100
24) 1,1-Dichloroethane	6.21	63	95746	20.806	ug/l	100
25) 2-Butanone	7.17	43	96393	120.747	ug/l	98
26) 2,2-Dichloropropane	7.16	77	61963	20.887	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	60825	20.688	ug/l	98
28) Bromochloromethane	7.51	49	27343	16.982	ug/l #	100
29) Tetrahydrofuran	7.53	42	61782	126.627	ug/l	99
30) Chloroform	7.68	83	92942	20.880	ug/l	98
31) Cyclohexane	7.95	56	99805	20.491	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	75821	20.954	ug/l	99
36) 1,1-Dichloropropene	8.08	75	80408	20.920	ug/l	99
37) Ethyl Acetate	7.25	43	41965	24.064	ug/l	97
38) Carbon Tetrachloride	8.07	117	71327	20.934	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	106918	21.471	ug/l	98
40) Benzene	8.32	78	223845	20.863	ug/l	100
41) Methacrylonitrile	7.48	41	26280	26.501	ug/l	95
42) 1,2-Dichloroethane	8.40	62	59817	22.057	ug/l	98
43) Isopropyl Acetate	8.42	43	74668	23.700	ug/l	97
44) Trichloroethene	9.09	130	63853	20.862	ug/l	98
45) 1,2-Dichloropropane	9.37	63	53802	20.892	ug/l	99
46) Dibromomethane	9.46	93	28291	22.052	ug/l	100
47) Bromodichloromethane	9.65	83	65729	20.611	ug/l	98
48) Methyl methacrylate	9.43	41	37042	23.868	ug/l	98
49) 1,4-Dioxane	9.46	88	11431	507.447	ug/l #	97
51) 4-Methyl-2-Pentanone	10.21	43	201798	121.830	ug/l	99
52) Toluene	10.38	92	147013	21.272	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	72018	21.733	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	84294	20.996	ug/l	95
55) 1,1,2-Trichloroethane	10.79	97	42311	21.972	ug/l	98
56) Ethyl methacrylate	10.65	69	59462	22.927	ug/l	97
57) 1,3-Dichloropropane	10.93	76	73774	22.311	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	127611	104.293	ug/l	100
59) 2-Hexanone	10.97	43	139995	123.254	ug/l	99
60) Dibromochloromethane	11.13	129	48411	21.861	ug/l	98
61) 1,2-Dibromoethane	11.23	107	41281	22.538	ug/l	99
64) Tetrachloroethene	10.86	164	55415	20.751	ug/l	94
65) Chlorobenzene	11.66	112	153220	21.251	ug/l	93
66) 1,1,1,2-Tetrachloroethane	11.73	131	52166	20.829	ug/l	99
67) Ethyl Benzene	11.73	91	276251	20.963	ug/l	99
68) m/p-Xylenes	11.84	106	211082	42.098	ug/l	97
69) o-Xylene	12.16	106	98073	21.171	ug/l	100
70) Styrene	12.18	104	169512	21.312	ug/l	99
71) Bromoform	12.35	173	30677	22.325	ug/l #	98
73) Isopropylbenzene	12.46	105	274547	20.688	ug/l	99
74) N-amyl acetate	12.27	43	66273	22.833	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	51522	22.777	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	65265	42.296	ug/l #	100
77) Bromobenzene	12.74	156	65183	20.721	ug/l	96
78) n-propylbenzene	12.80	91	322002	20.983	ug/l	100
79) 2-Chlorotoluene	12.89	91	180790	21.027	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	227655	20.646	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	16474	21.824	ug/l	96
82) 4-Chlorotoluene	12.99	91	185925	20.835	ug/l	100
83) tert-Butylbenzene	13.21	119	206026	21.039	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	226487	20.768	ug/l	97
85) sec-Butylbenzene	13.38	105	286506	21.174	ug/l	99
86) p-Isopropyltoluene	13.50	119	262546	21.119	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	125783	21.088	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	124068	21.233	ug/l	99
89) n-Butylbenzene	13.82	91	235930	21.008	ug/l	100
90) Hexachloroethane	14.09	117	44815	21.068	ug/l	95
91) 1,2-Dichlorobenzene	13.87	146	113791	21.607	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.48	75	8265	22.919	ug/l	97

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QLast Update : Wed Oct 09 05:54:09 2019
Response via : Initial Calibration

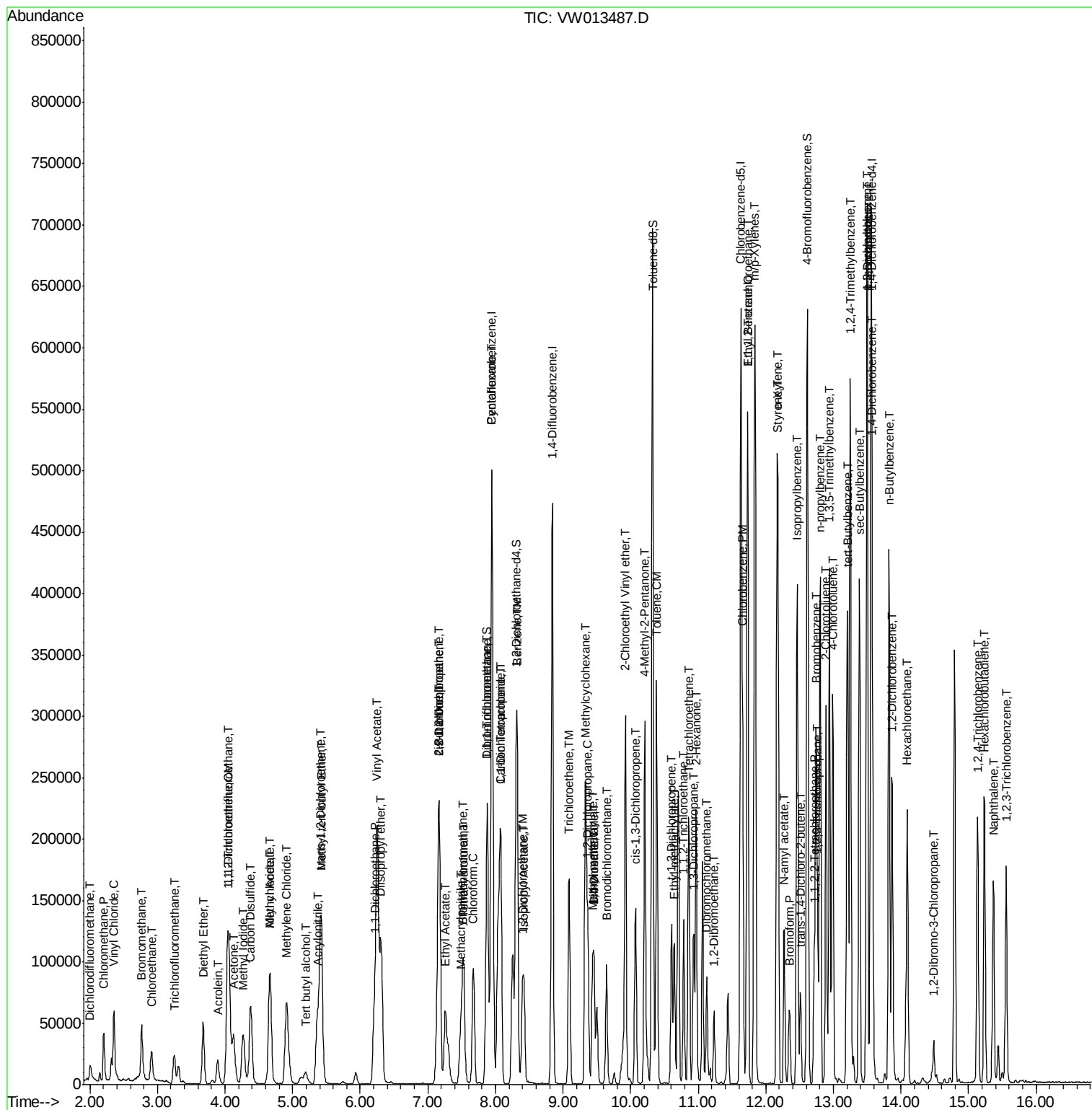
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	79362	21.323	ug/l	98
94) Hexachlorobutadiene	15.23	225	53490	21.626	ug/l	98
95) Naphthalene	15.36	128	149918	23.286	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	70994	21.813	ug/l	98

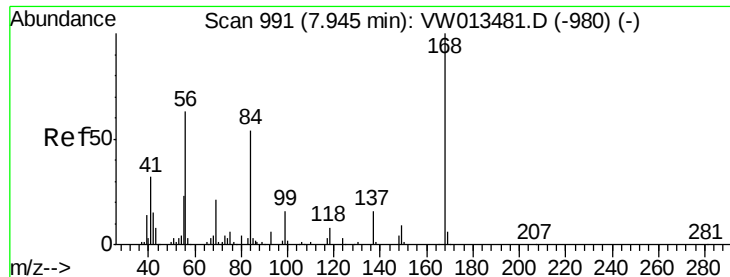
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW013487.D

Acq: 08 Oct 2019 15:27

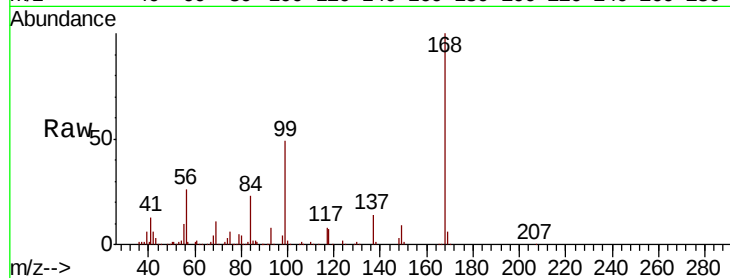
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:168 Resp: 301286

Ion Ratio Lower Upper

168 100

99 49.1 38.3 57.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

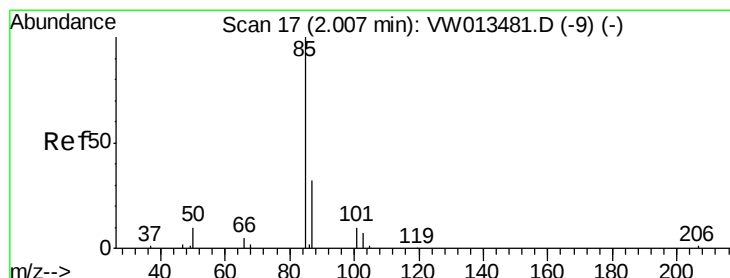
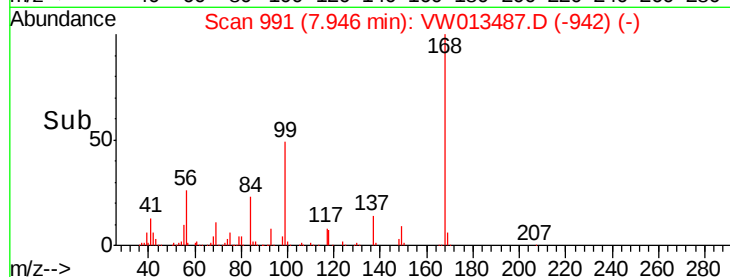
150000

100000

50000

0

Time--> 7.80 7.90 8.00



#2

Dichlorodifluoromethane

Concen: 23.115 ug/l

RT: 2.00 min Scan# 16

Delta R.T. -0.01 min

Lab File: VW013487.D

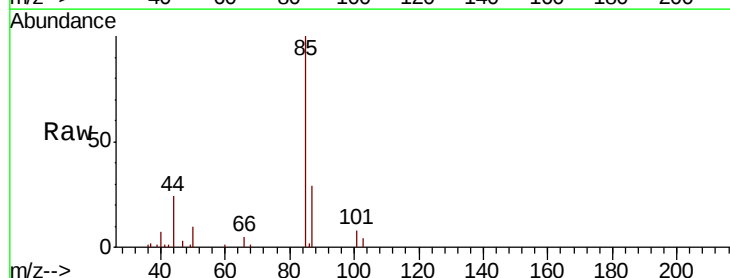
Acq: 08 Oct 2019 15:27

Tgt Ion: 85 Resp: 23068

Ion Ratio Lower Upper

85 100

87 29.1 15.8 47.3



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

8000

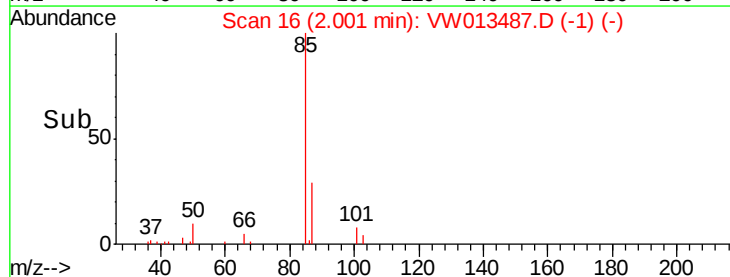
6000

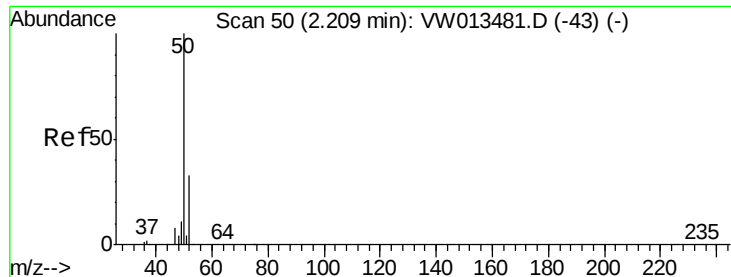
4000

2000

0

Time--> 1.90 2.00 2.10





#3

Chloromethane

Concen: 22.411 ug/l

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW013487.D

Acq: 08 Oct 2019 15:27

Instrument :

MSVOA_W

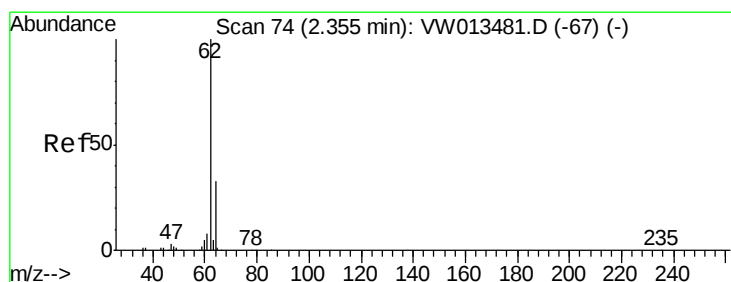
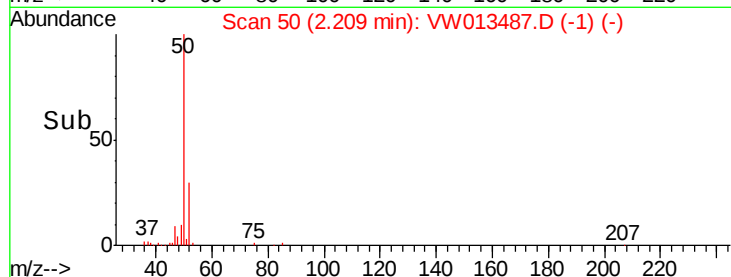
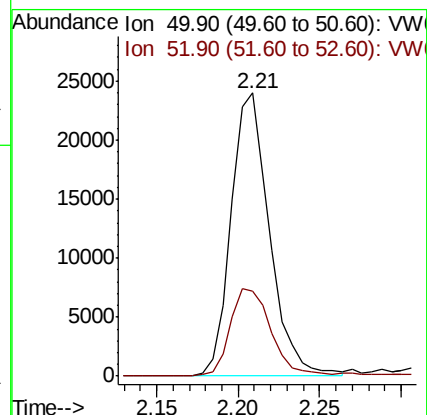
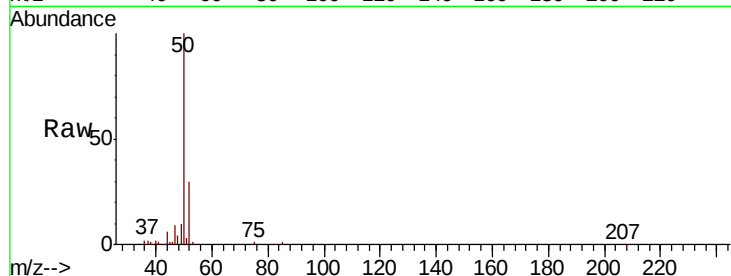
ClientSampled :

Tot Ion: 50 Resp: 39313

Ion Ratio Lower Upper

50 100

52 30.2 26.0 39.0



#4

Vinyl Chloride

Concen: 21.519 ug/l

RT: 2.36 min Scan# 74

Delta R.T. 0.00 min

Lab File: VW013487.D

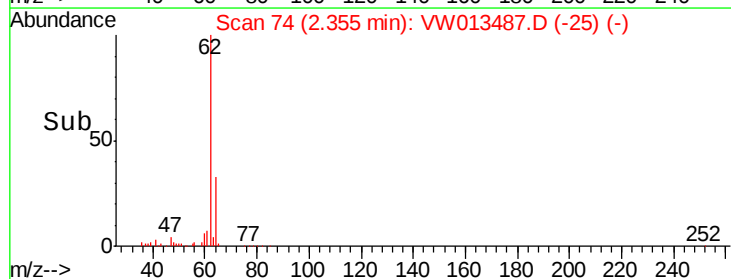
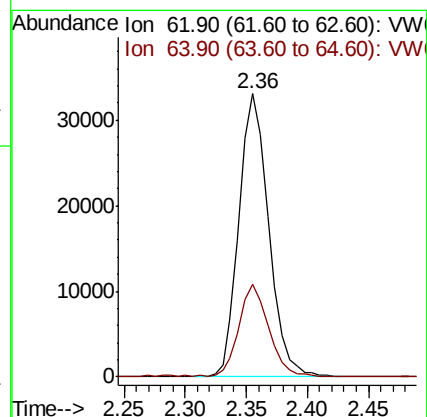
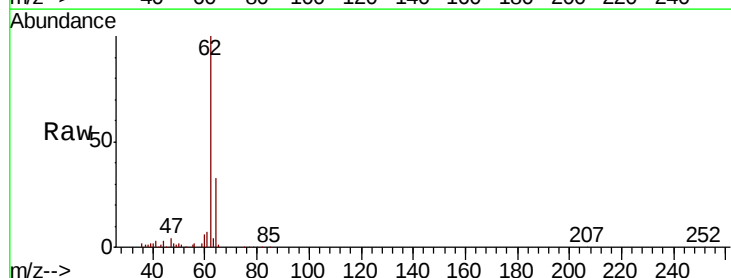
Acq: 08 Oct 2019 15:27

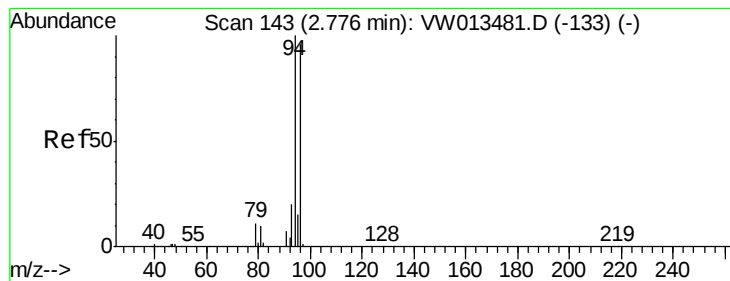
Tgt Ion: 62 Resp: 55680

Ion Ratio Lower Upper

62 100

64 32.9 26.6 39.8





#5

Bromomethane

Concen: 20.583 ug/l

RT: 2.77 min Scan# 142

Delta R.T. -0.01 min

Lab File: VW013487.D

Acq: 08 Oct 2019 15:27

Instrument :

MSVOA_W

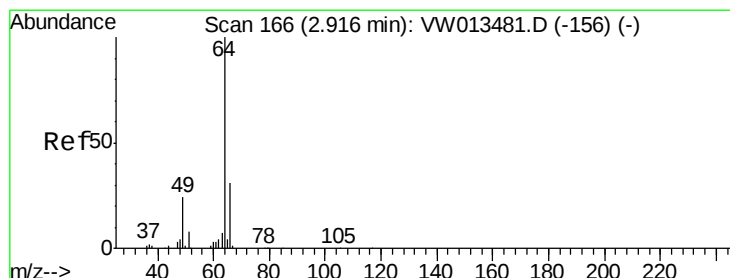
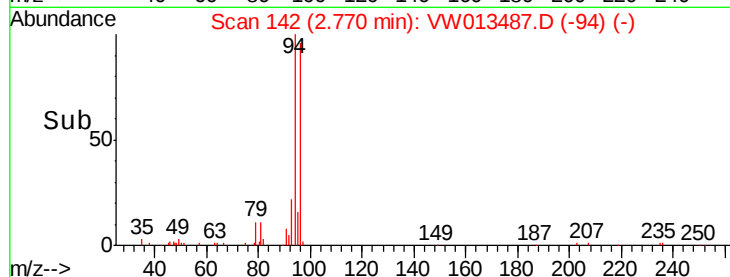
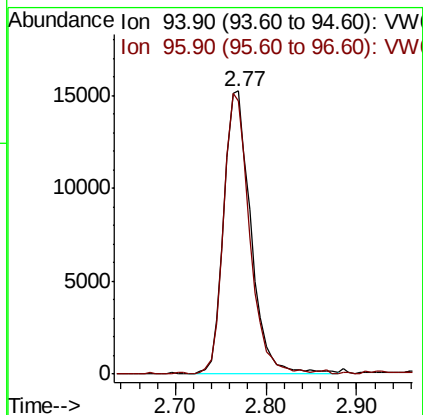
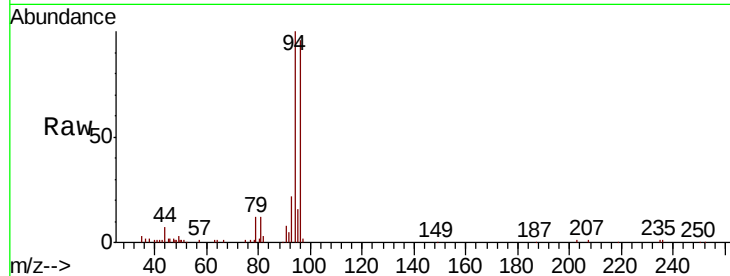
ClientSampleId :

Tot Ion: 94 Resp: 31778

Ion Ratio Lower Upper

94 100

96 96.3 77.0 115.6



#6

Chloroethane

Concen: 20.737 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.01 min

Lab File: VW013487.D

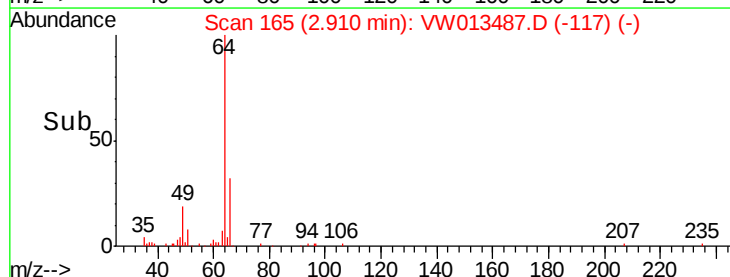
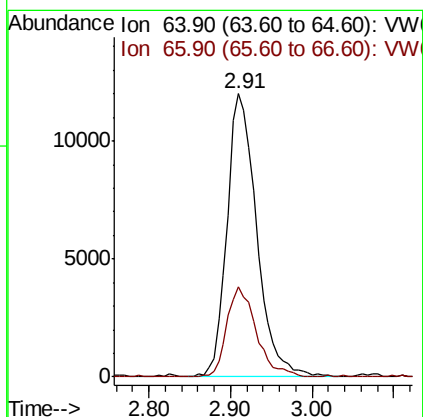
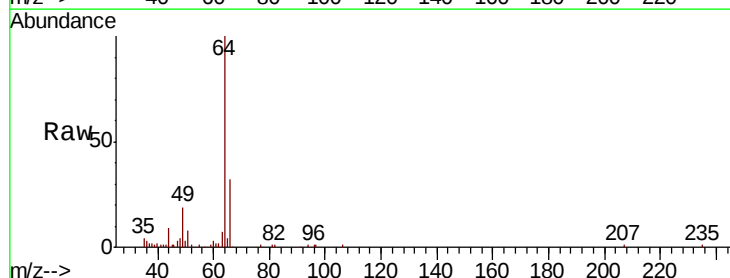
Acq: 08 Oct 2019 15:27

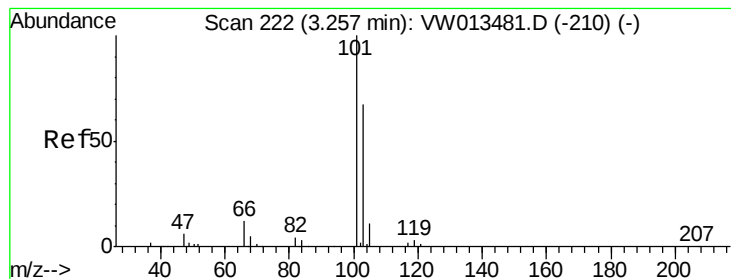
Tgt Ion: 64 Resp: 30133

Ion Ratio Lower Upper

64 100

66 31.8 25.0 37.4



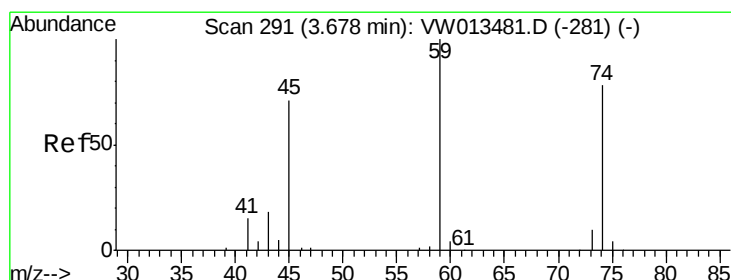
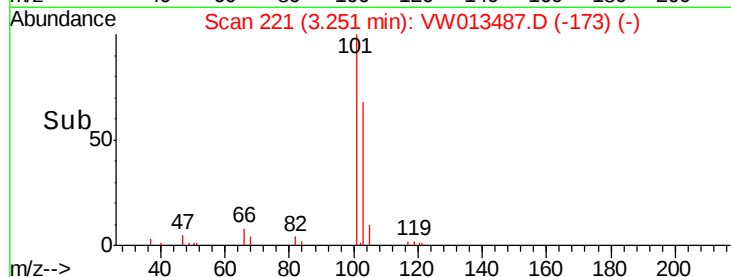
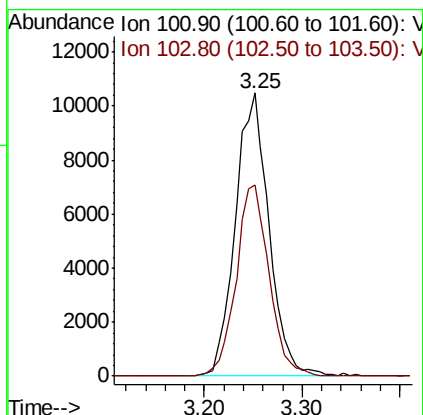
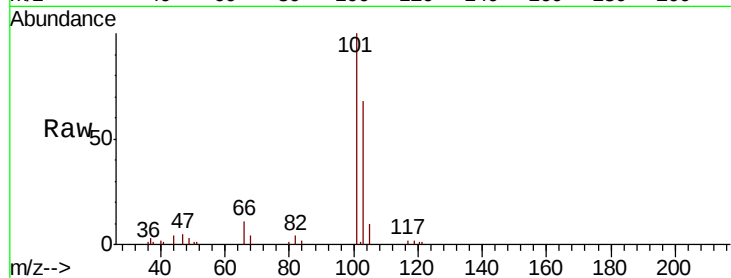


#7

Trichlorofluoromethane
Concen: 20.395 ug/l
RT: 3.25 min Scan# 221
Delta R.T. -0.01 min
Lab File: VW013487.D
Acq: 08 Oct 2019 15:27

Instrument :
MSVOA_W
ClientSampleId :

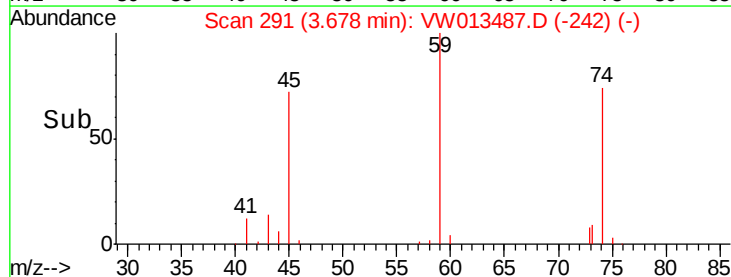
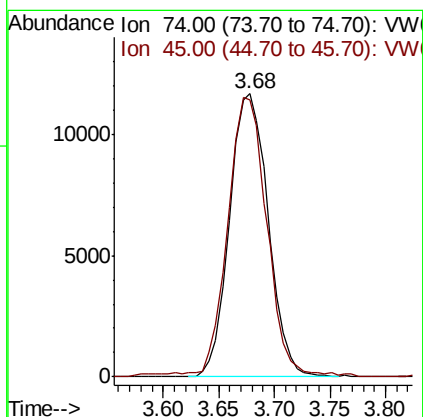
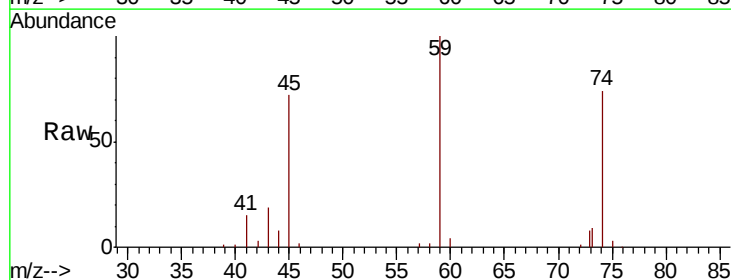
Tot Ion:101 Resp: 24969
Ion Ratio Lower Upper
101 100
103 67.6 53.7 80.5

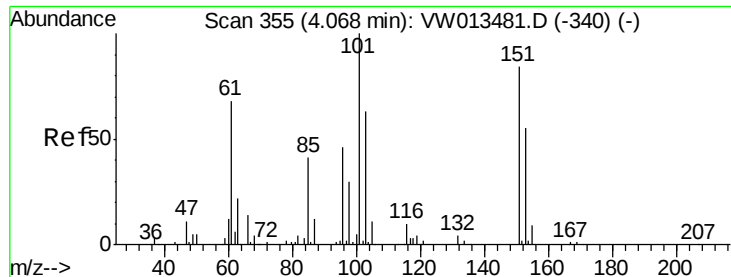


#8

Diethyl Ether
Concen: 22.166 ug/l
RT: 3.68 min Scan# 291
Delta R.T. 0.00 min
Lab File: VW013487.D
Acq: 08 Oct 2019 15:27

Tgt Ion: 74 Resp: 28088
Ion Ratio Lower Upper
74 100
45 100.3 50.0 150.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.600 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW013487.D

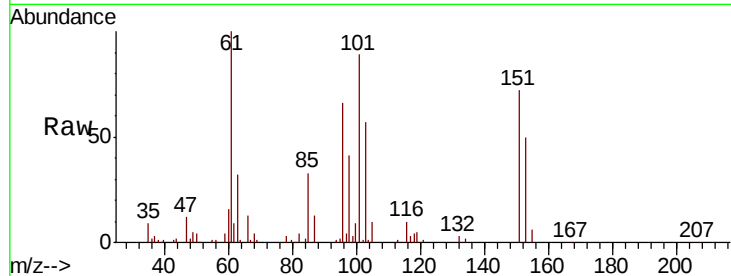
Acq: 08 Oct 2019 15:27

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion:101	Resp:	51977
Ion Ratio	Lower	Upper
101	100	
85	40.6	31.6 47.4
151	87.0	67.5 101.3

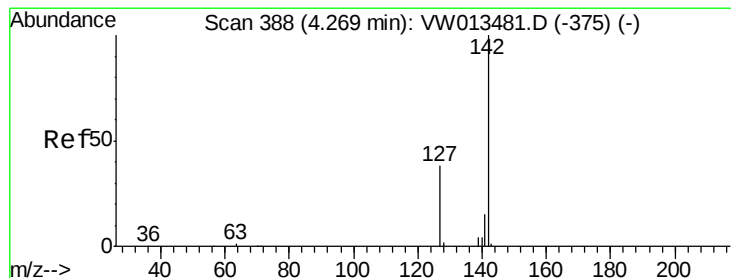
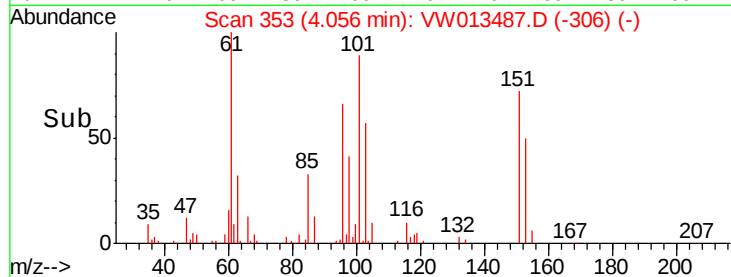
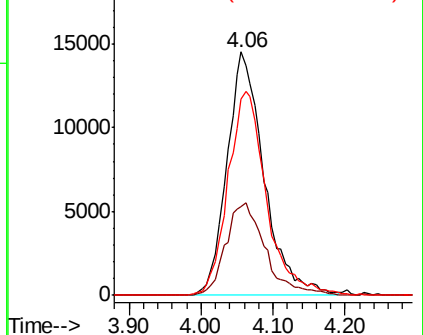


Abundance

Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 20.499 ug/l

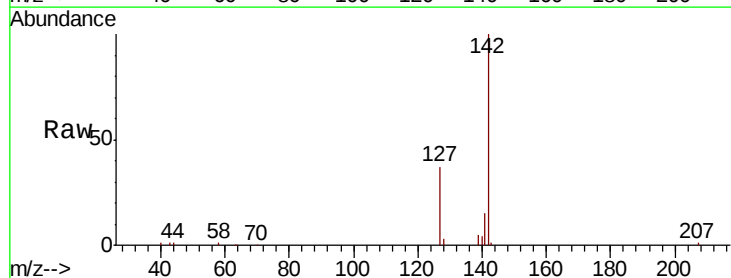
RT: 4.26 min Scan# 387

Delta R.T. -0.01 min

Lab File: VW013487.D

Acq: 08 Oct 2019 15:27

Tgt Ion:142	Resp:	81902
Ion Ratio	Lower	Upper
142	100	
127	37.6	29.6 44.4
141	14.2	12.1 18.1

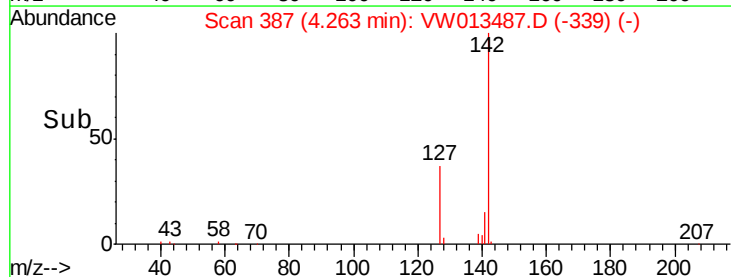
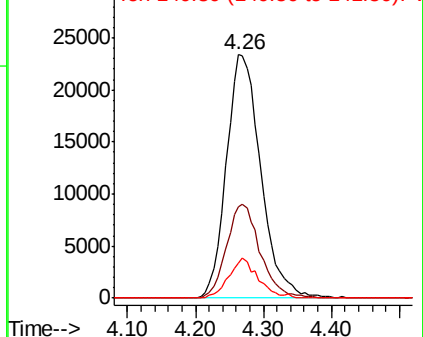


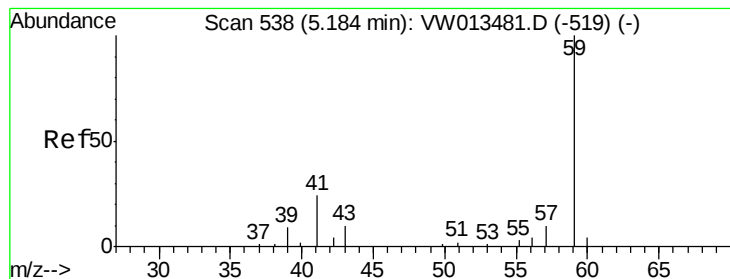
Abundance

Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



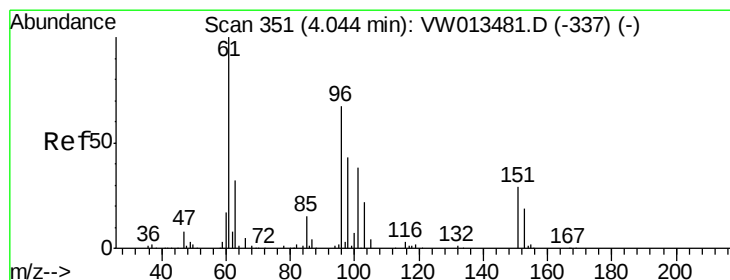
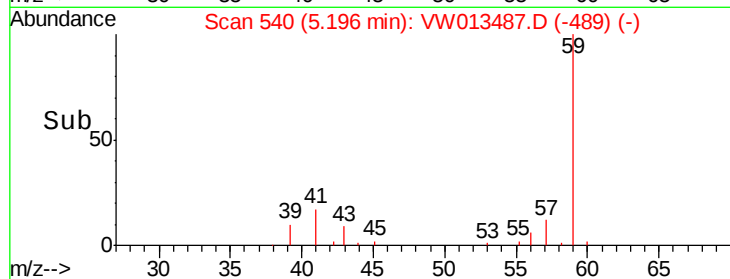
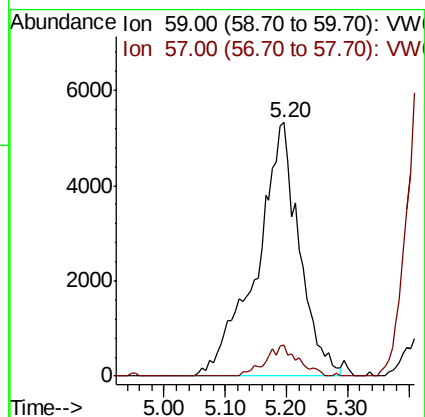
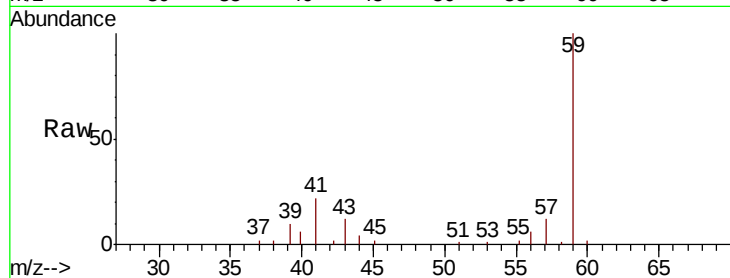


#11

Tert butyl alcohol
 Concen: 147.911 ug/l
 RT: 5.20 min Scan# 540
 Delta R.T. 0.01 min
 Lab File: VW013487.D
 Acq: 08 Oct 2019 15:27

Instrument :
 MSVOA_W
 ClientSampleId :

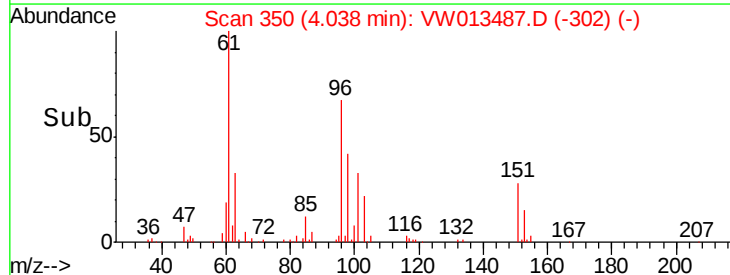
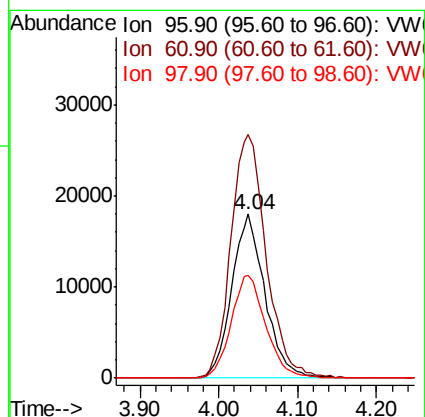
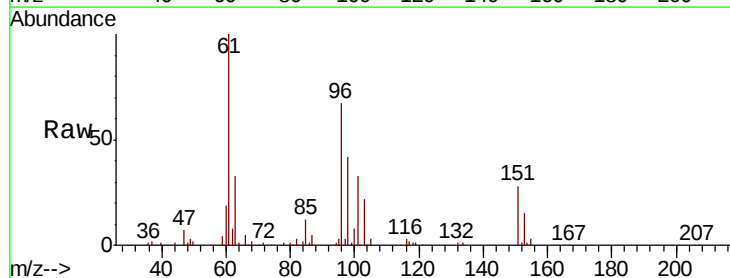
Tot Ion: 59 Resp: 25762
 Ion Ratio Lower Upper
 59 100
 57 9.3 8.2 12.4

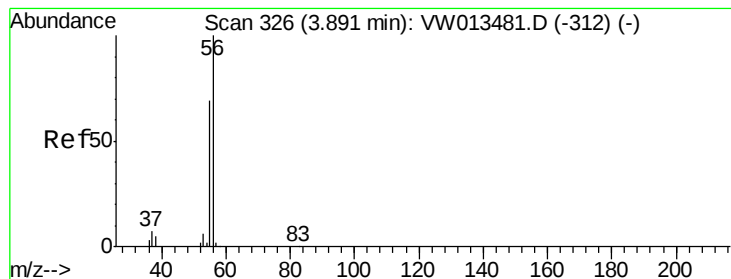


#12

1,1-Dichloroethene
 Concen: 20.104 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. -0.01 min
 Lab File: VW013487.D
 Acq: 08 Oct 2019 15:27

Tgt Ion: 96 Resp: 52569
 Ion Ratio Lower Upper
 96 100
 61 148.7 119.4 179.0
 98 63.1 51.1 76.7





#13

Acrolein

Concen: 128.628 ug/l

RT: 3.89 min Scan# 325

Delta R.T. -0.01 min

Lab File: VW013487.D

Acq: 08 Oct 2019 15:27

Instrument :

MSVOA_W

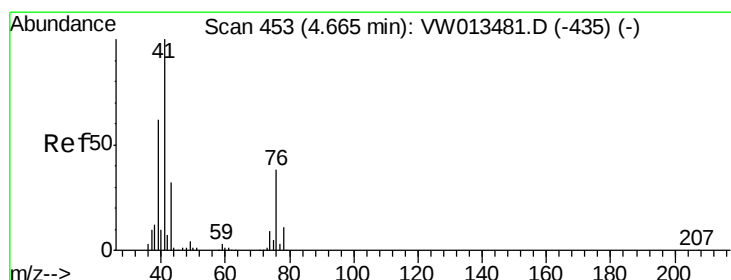
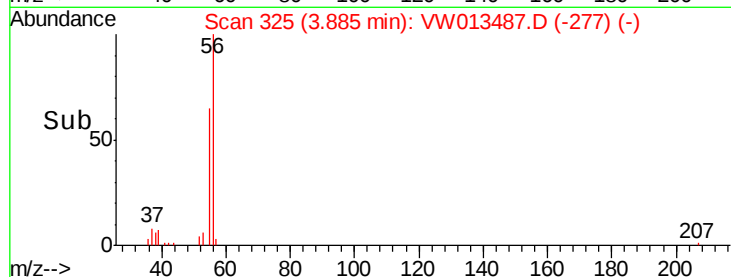
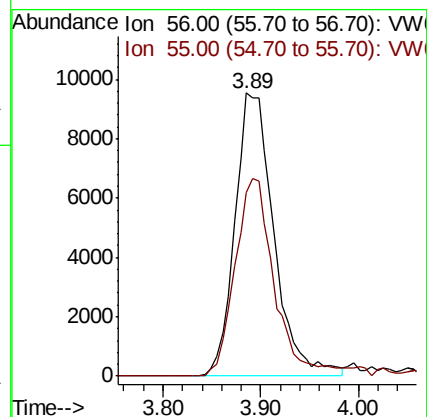
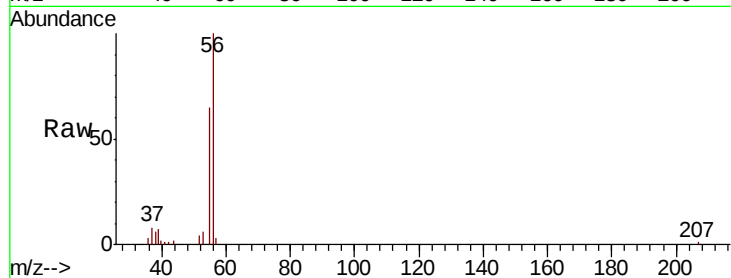
ClientSampled :

Tot Ion: 56 Resp: 26428

Ion Ratio Lower Upper

56 100

55 70.1 55.9 83.9



#14

Allyl chloride

Concen: 20.347 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.00 min

Lab File: VW013487.D

Acq: 08 Oct 2019 15:27

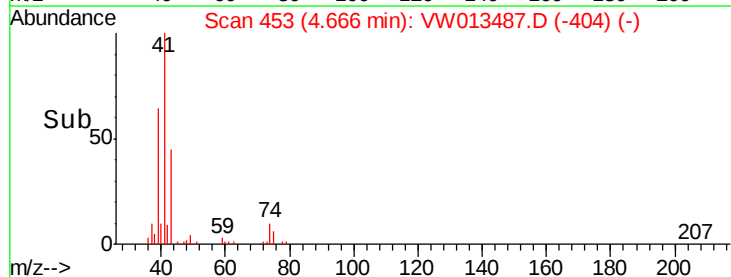
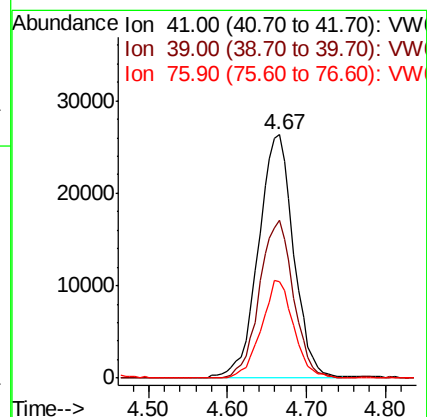
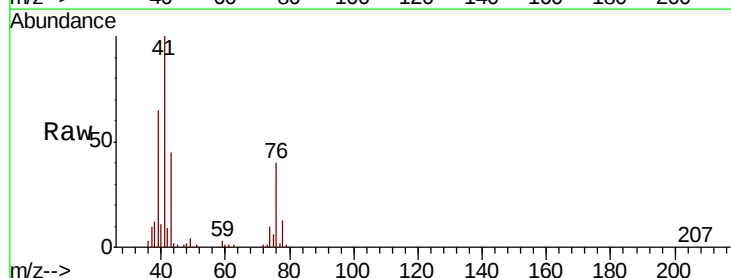
Tgt Ion: 41 Resp: 81764

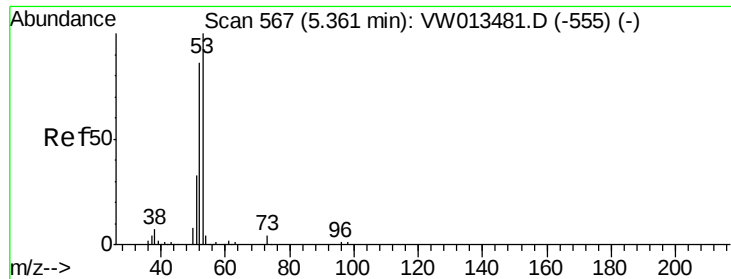
Ion Ratio Lower Upper

41 100

39 62.8 50.1 75.1

76 36.5 29.0 43.4





#15

Acrylonitrile

Concen: 122.835 ug/l

RT: 5.36 min Scan# 567

Delta R.T. 0.00 min

Lab File: VW013487.D

Acq: 08 Oct 2019 15:27

Instrument :

MSVOA_W

ClientSampleId :

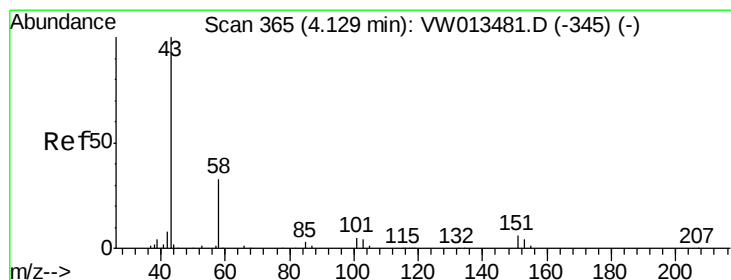
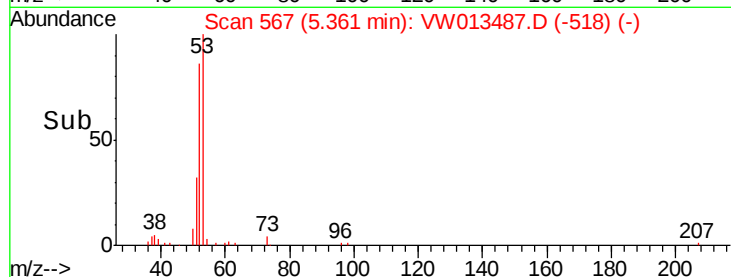
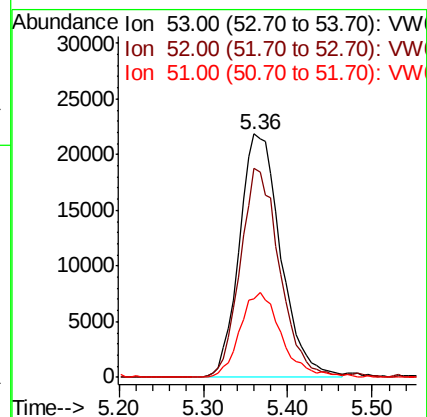
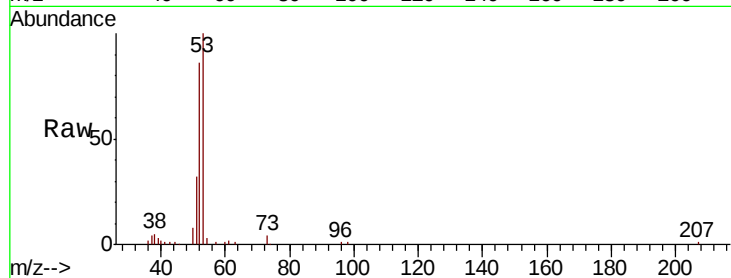
Tot Ion: 53 Resp: 72749

Ion Ratio Lower Upper

53 100

52 82.0 65.8 98.8

51 35.0 28.6 42.8



#16

Acetone

Concen: 117.110 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.00 min

Lab File: VW013487.D

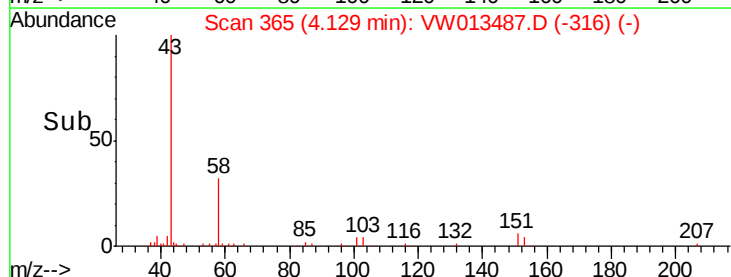
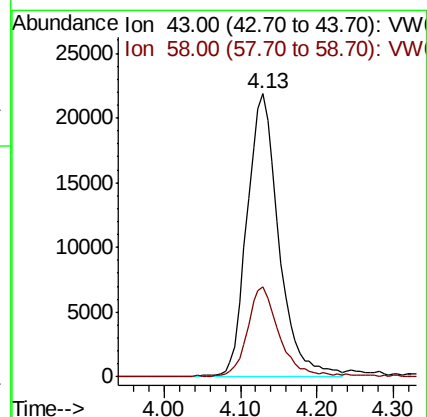
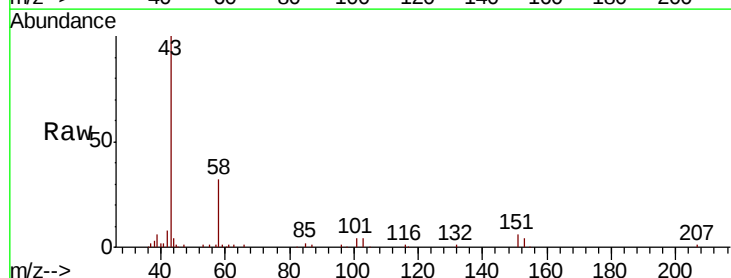
Acq: 08 Oct 2019 15:27

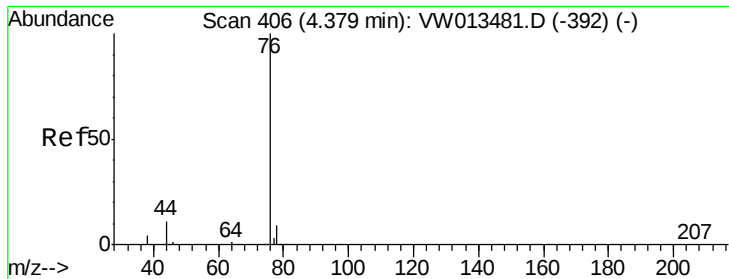
Tgt Ion: 43 Resp: 63436

Ion Ratio Lower Upper

43 100

58 31.8 26.1 39.1





#17

Carbon Disulfide

Concen: 20.345 ug/l

RT: 4.38 min Scan# 406

Delta R.T. 0.00 min

Lab File: VW013487.D

Acq: 08 Oct 2019 15:27

Instrument :

MSVOA_W

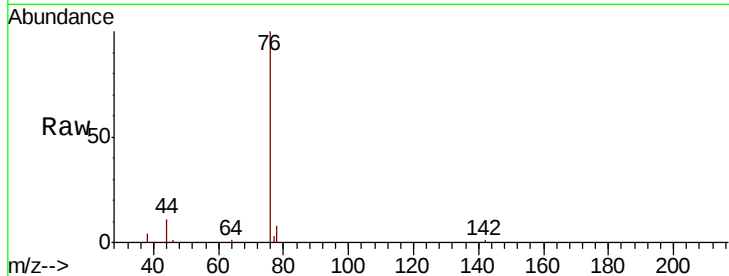
ClientSampled :

Tot Ion: 76 Resp: 149332

Ion Ratio Lower Upper

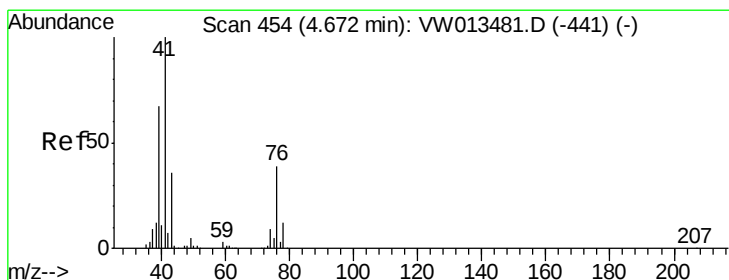
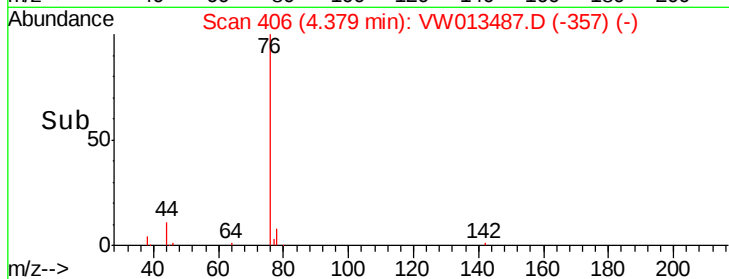
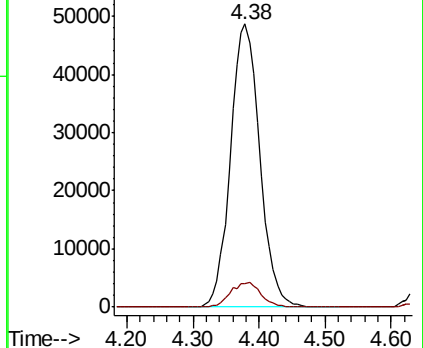
76 100

78 8.2 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 24.106 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW013487.D

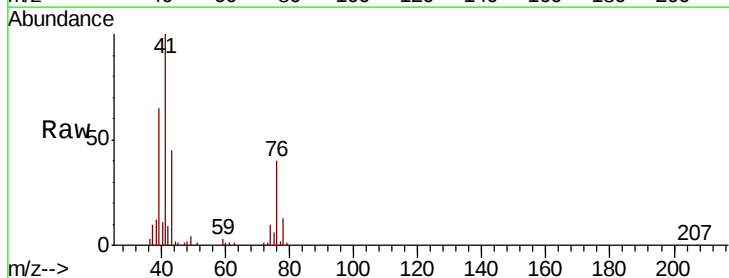
Acq: 08 Oct 2019 15:27

Tgt Ion: 43 Resp: 37404

Ion Ratio Lower Upper

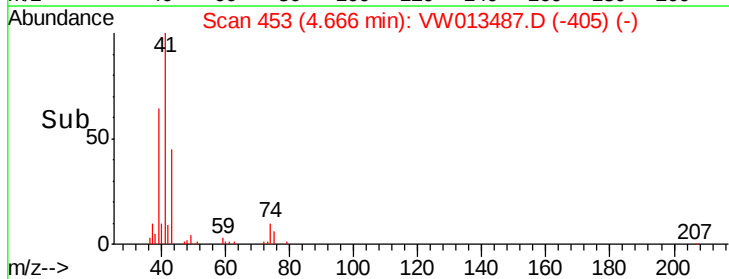
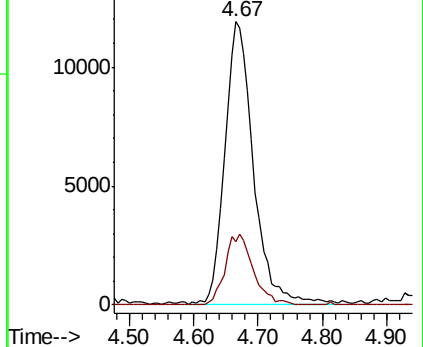
43 100

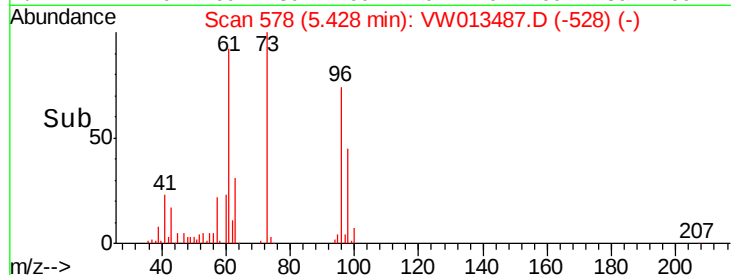
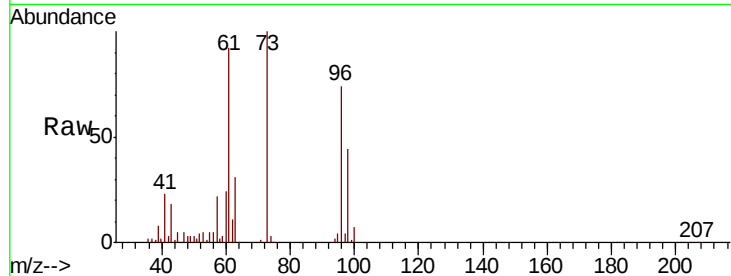
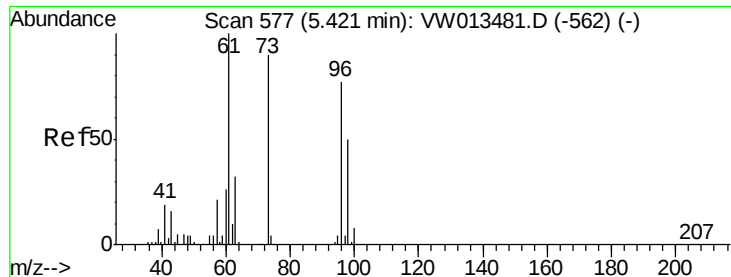
74 24.5 19.6 29.4



Abundance Ion 43.00 (42.70 to 43.70): VW

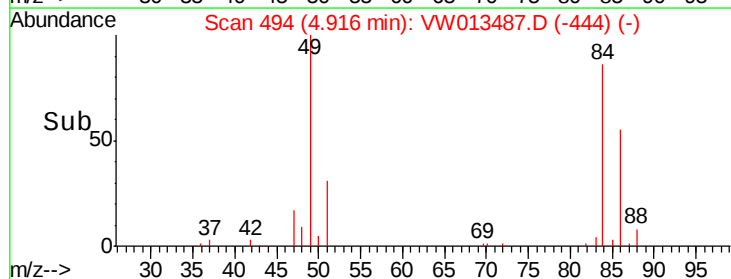
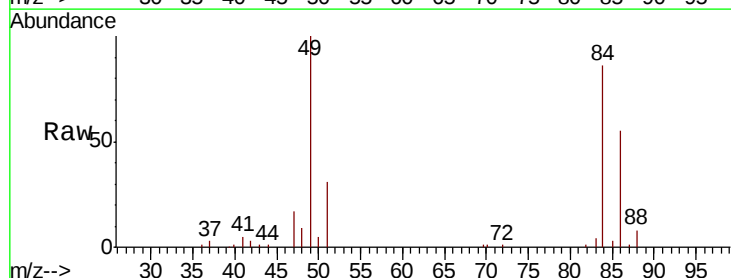
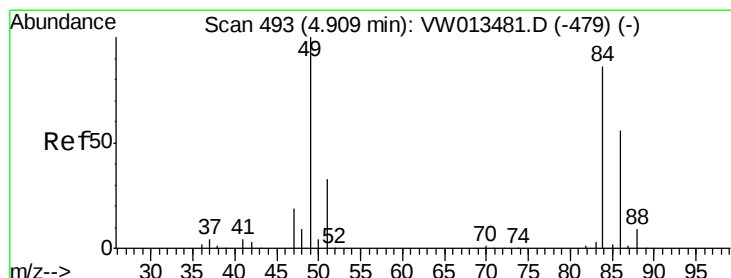
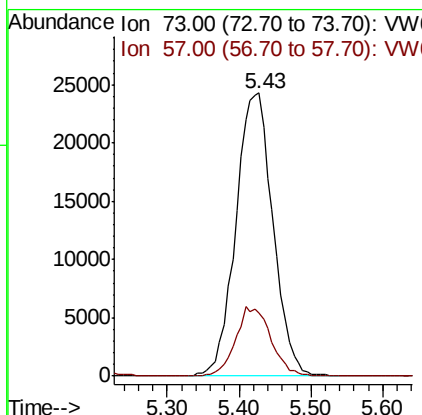
Ion 74.00 (73.70 to 74.70): VW





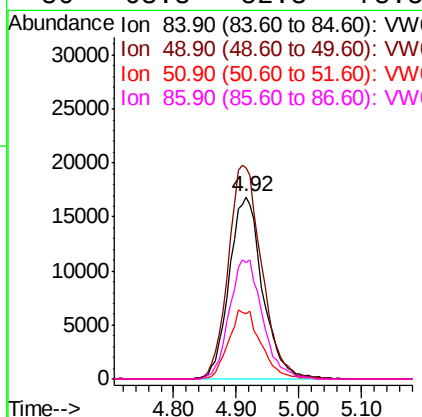
#19
Methvl tert-butvl Ether
Concen: 21.893 ug/l
RT: 5.43 min Scan# 578
Delta R.T. 0.01 min
Lab File: VW013487.D
Acq: 08 Oct 2019 15:27

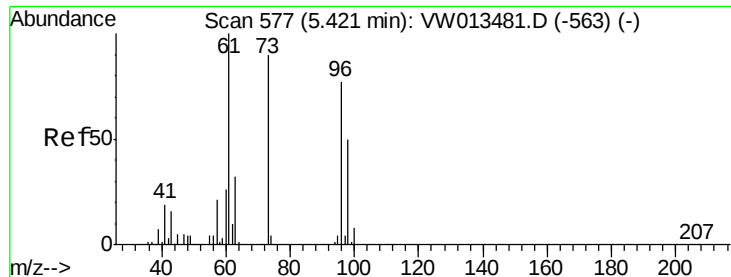
Tot Ion: 73 Resp: 86567
Ion Ratio Lower Upper
73 100
57 22.3 18.6 27.8



#20
Methylene Chloride
Concen: 21.340 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.01 min
Lab File: VW013487.D
Acq: 08 Oct 2019 15:27

Tgt Ion: 84 Resp: 61983
Ion Ratio Lower Upper
84 100
49 116.4 93.4 140.0
51 36.2 30.6 46.0
86 63.8 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 20.924 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.00 min

Lab File: VW013487.D

Acq: 08 Oct 2019 15:27

Instrument :

MSVOA_W

ClientSampleId :

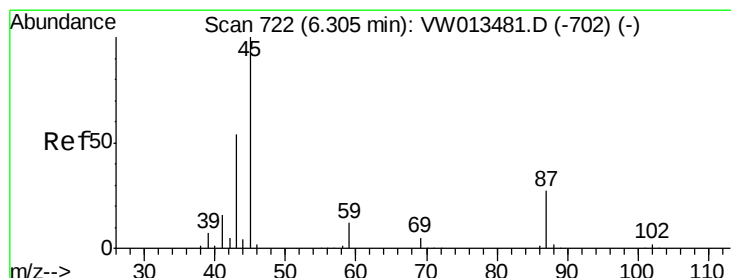
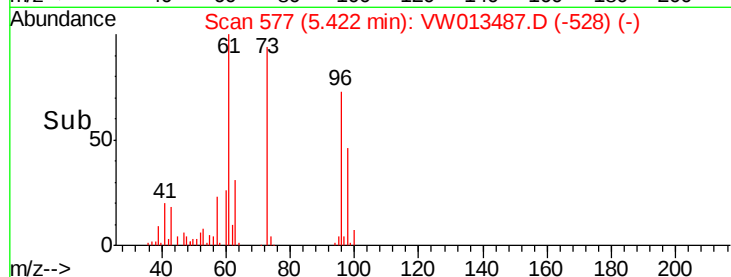
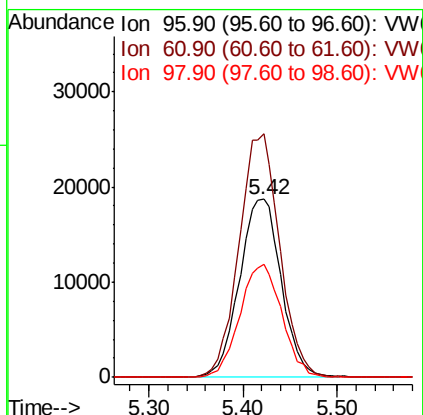
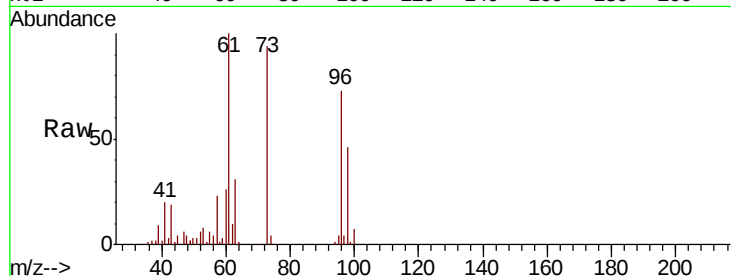
Tot Ion: 96 Resp: 58139

Ion Ratio Lower Upper

96 100

61 136.8 104.3 156.5

98 63.3 51.8 77.8



#22

Diisopropyl ether

Concen: 20.630 ug/l

RT: 6.31 min Scan# 723

Delta R.T. 0.01 min

Lab File: VW013487.D

Acq: 08 Oct 2019 15:27

Tgt Ion: 45 Resp: 155327

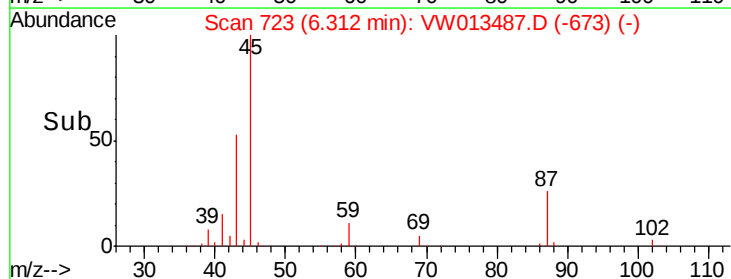
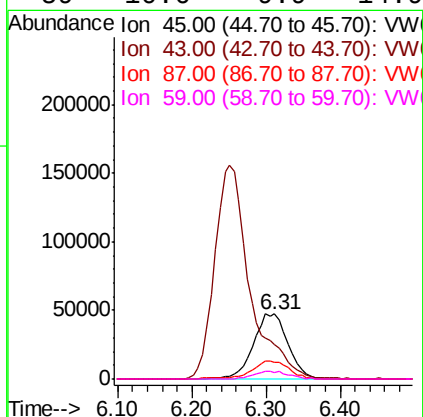
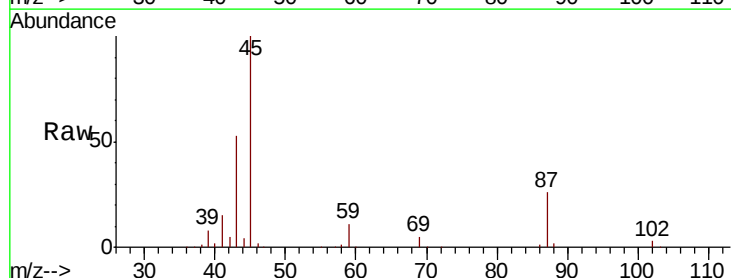
Ion Ratio Lower Upper

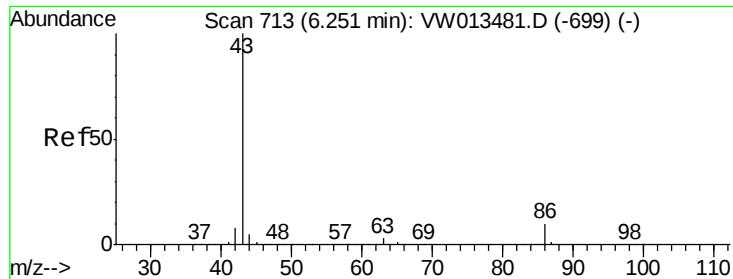
45 100

43 51.9 43.4 65.0

87 26.3 22.1 33.1

59 10.6 9.9 14.9





#23

Vinyl Acetate

Concen: 113.520 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW013487.D

Acq: 08 Oct 2019 15:27

Instrument :

MSVOA_W

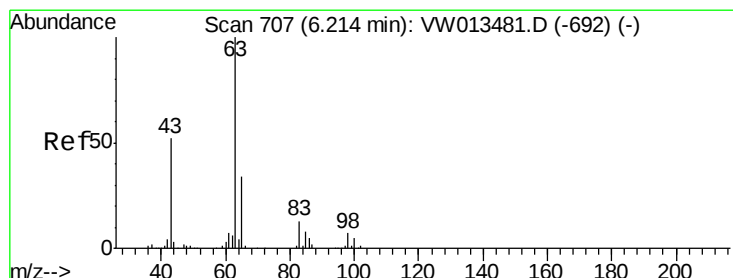
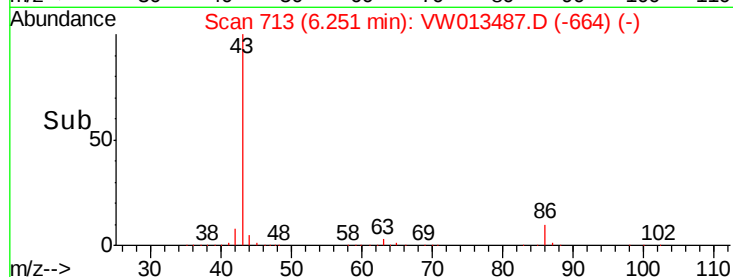
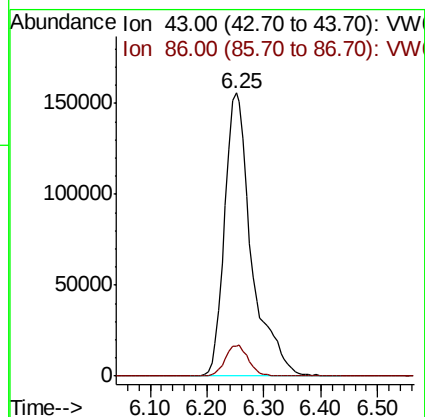
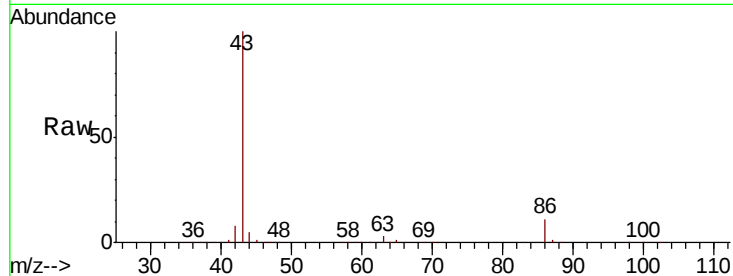
ClientSampleId :

Tot Ion: 43 Resp: 513135

Ion Ratio Lower Upper

43 100

86 10.5 8.3 12.5



#24

1,1-Dichloroethane

Concen: 20.806 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW013487.D

Acq: 08 Oct 2019 15:27

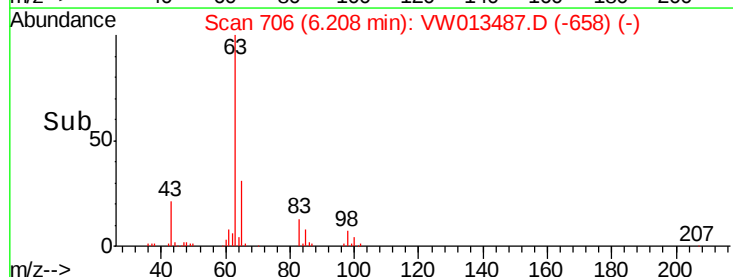
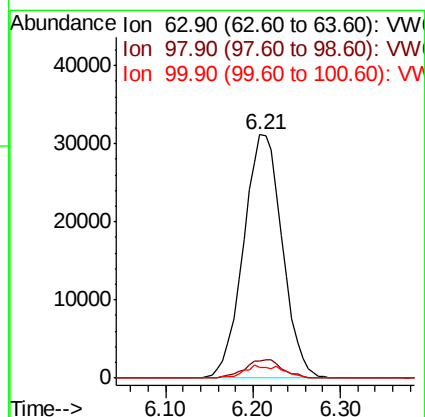
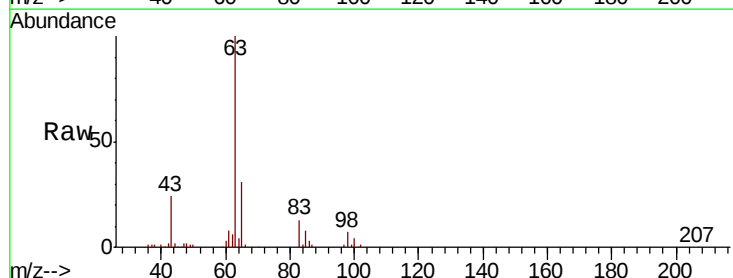
Tgt Ion: 63 Resp: 95746

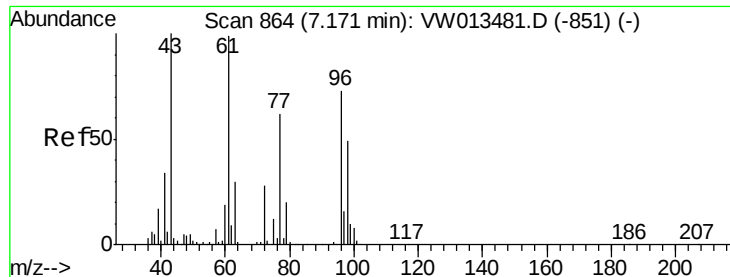
Ion Ratio Lower Upper

63 100

98 7.0 3.5 10.6

100 4.4 2.3 6.8





#25

2-Butanone

Concen: 120.747 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW013487.D

Acq: 08 Oct 2019 15:27

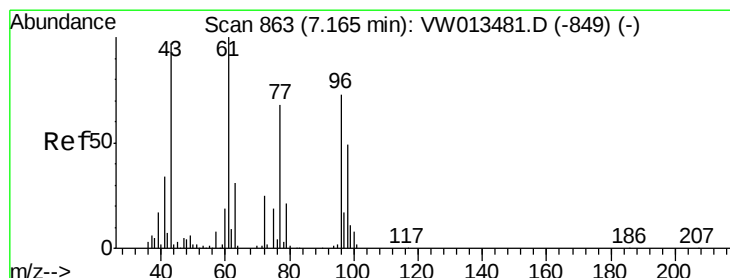
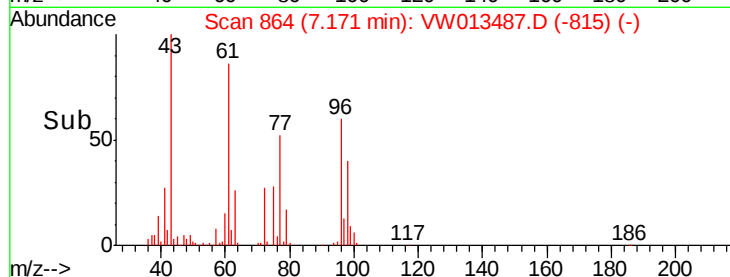
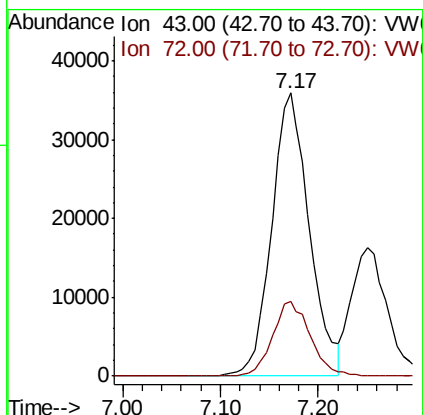
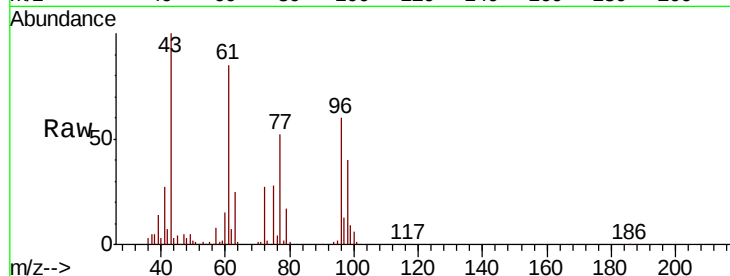
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 96393

Ion Ratio Lower Upper

43 100

72 26.6 22.1 33.1



#26

2,2-Dichloropropane

Concen: 20.887 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW013487.D

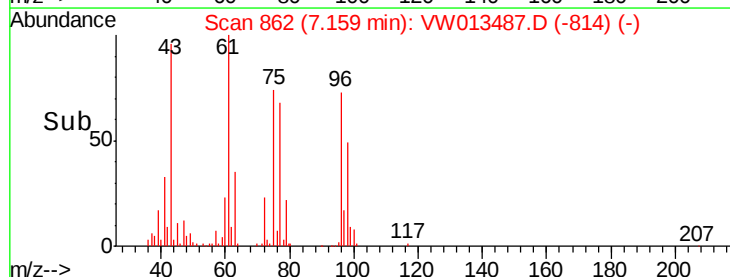
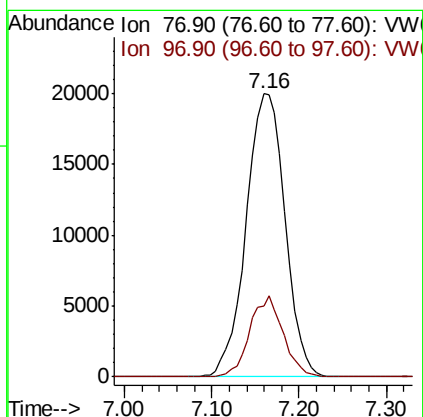
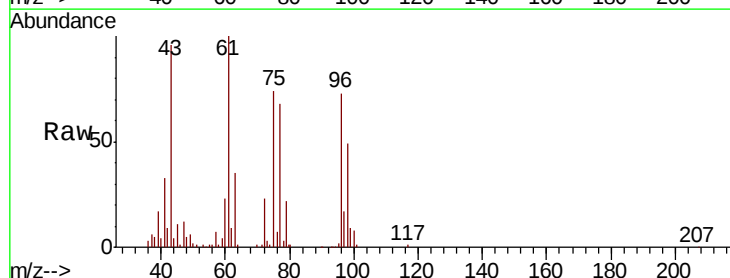
Acq: 08 Oct 2019 15:27

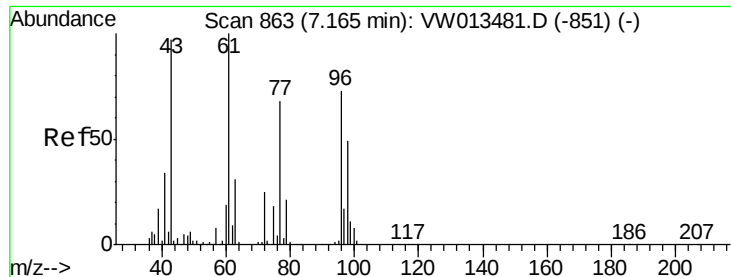
Tgt Ion: 77 Resp: 61963

Ion Ratio Lower Upper

77 100

97 24.4 12.6 37.6



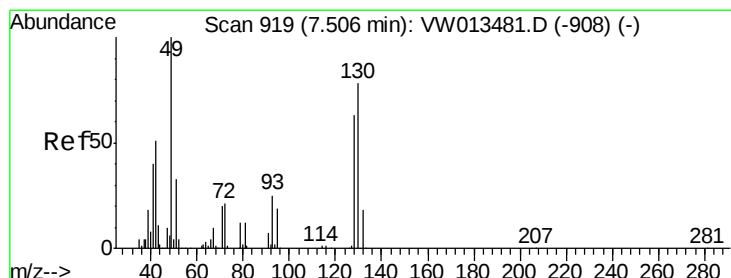
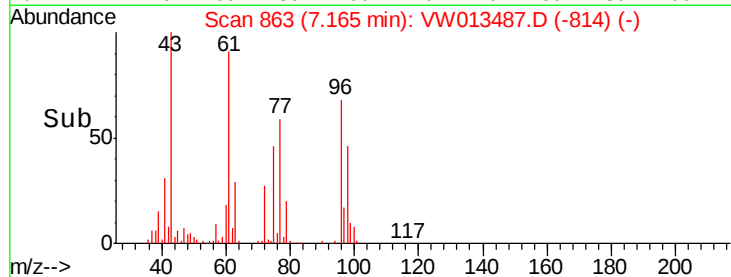
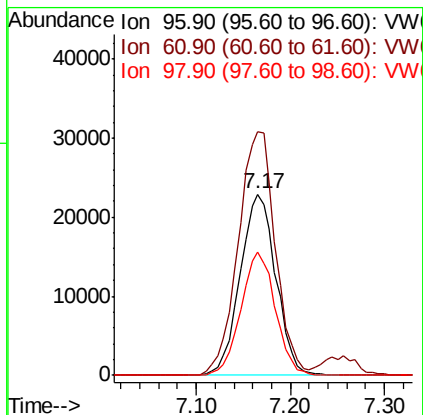
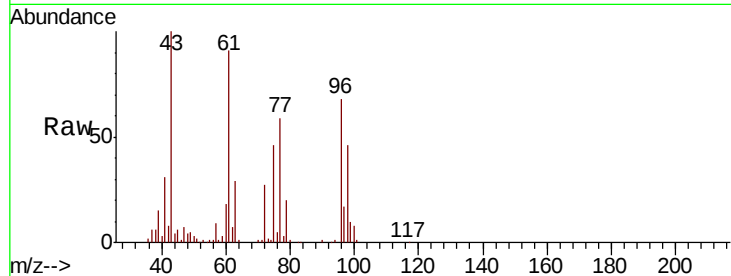


#27

cis-1,2-Dichloroethene
 Concen: 20.688 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. 0.00 min
 Lab File: VW013487.D
 Acq: 08 Oct 2019 15:27

Instrument :
 MSVOA_W
 ClientSampled :

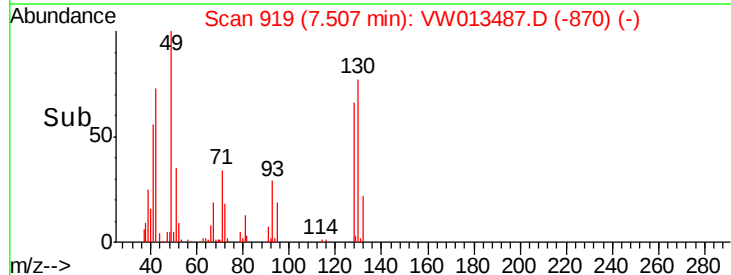
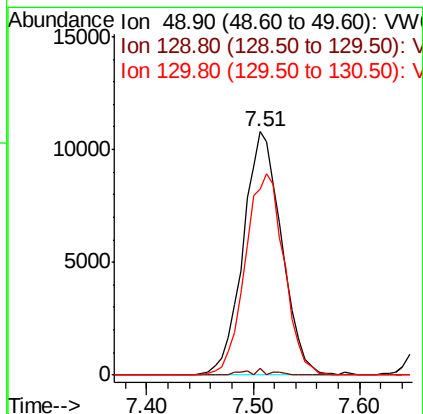
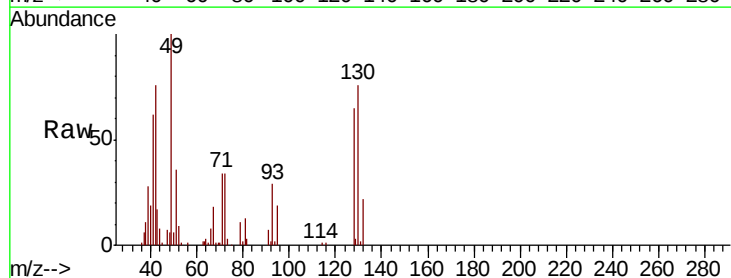
Tot Ion	96	Resp	60825
Ion	Ratio	Lower	Upper
96	100		
61	139.7	0.0	274.4
98	65.5	0.0	130.2

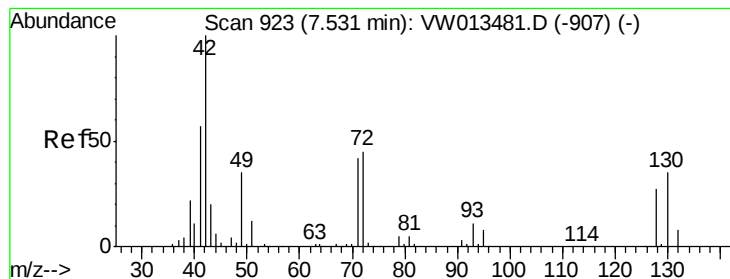


#28

Bromochloromethane
 Concen: 16.982 ug/l
 RT: 7.51 min Scan# 919
 Delta R.T. 0.00 min
 Lab File: VW013487.D
 Acq: 08 Oct 2019 15:27

Tgt Ion	49	Resp	27343
Ion	Ratio	Lower	Upper
49	100		
129	0.6	0.0	1.6
130	83.3	0.0	0.0#





#29

Tetrahydrofuran

Concen: 126.627 ug/l

RT: 7.53 min Scan# 923

Delta R.T. 0.00 min

Lab File: VW013487.D

Acq: 08 Oct 2019 15:27

Instrument :

MSVOA_W

ClientSampleId :

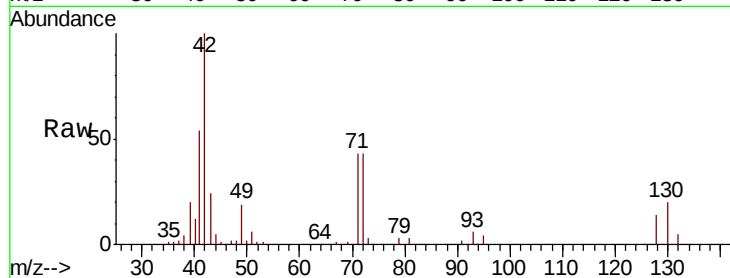
Tot Ion: 42 Resp: 61782

Ion Ratio Lower Upper

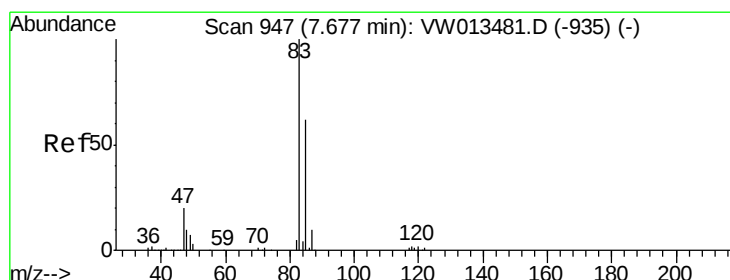
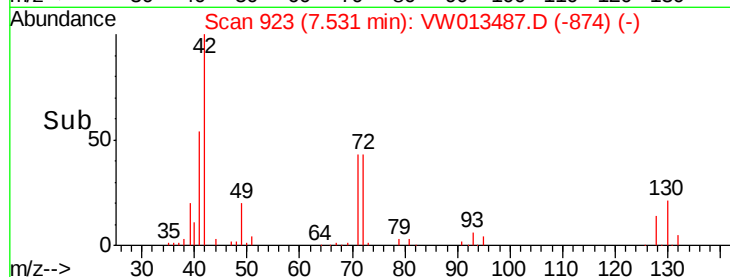
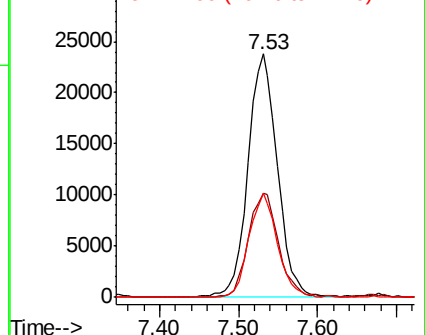
42 100

72 44.0 34.8 52.2

71 41.2 33.6 50.4



Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW



#30

Chloroform

Concen: 20.880 ug/l

RT: 7.68 min Scan# 947

Delta R.T. 0.00 min

Lab File: VW013487.D

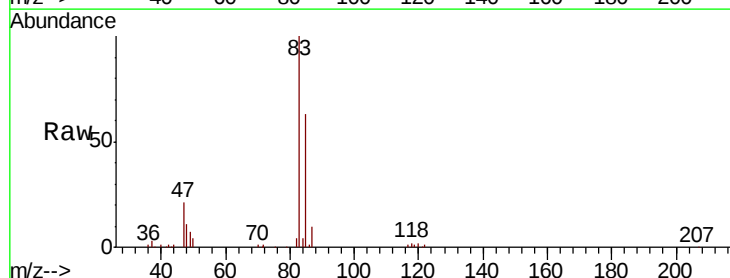
Acq: 08 Oct 2019 15:27

Tgt Ion: 83 Resp: 92942

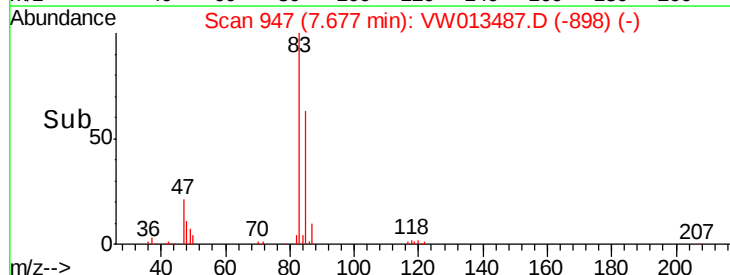
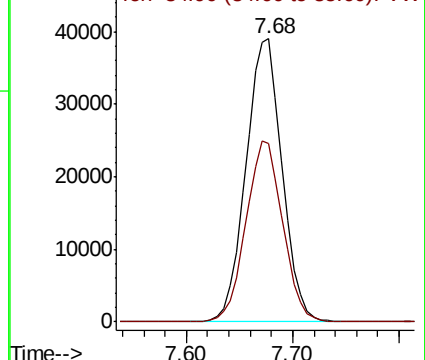
Ion Ratio Lower Upper

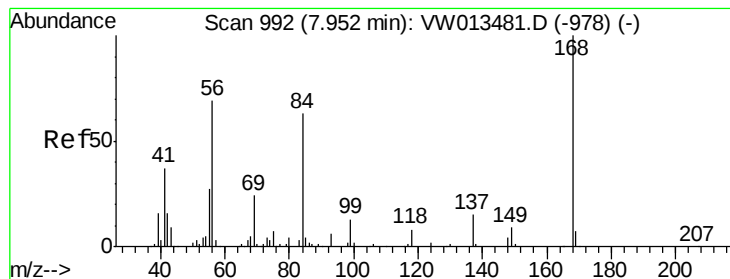
83 100

85 63.2 49.4 74.2



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





#31

Cyclohexane

Concen: 20.491 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW013487.D

Acq: 08 Oct 2019 15:27

Instrument :

MSVOA_W

ClientSampleId :

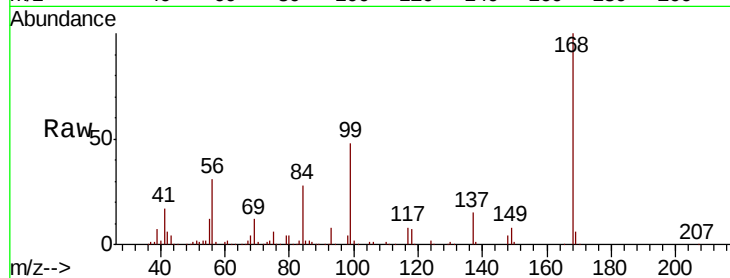
Tot Ion: 56 Resp: 99805

Ion Ratio Lower Upper

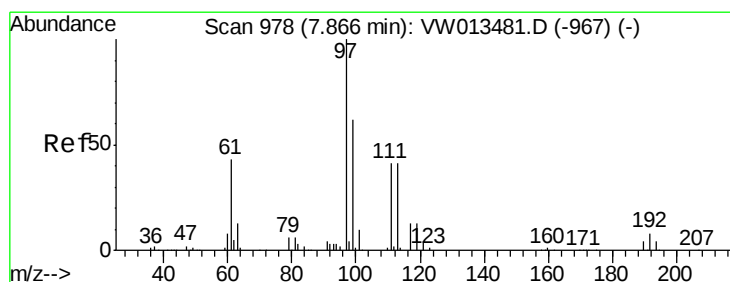
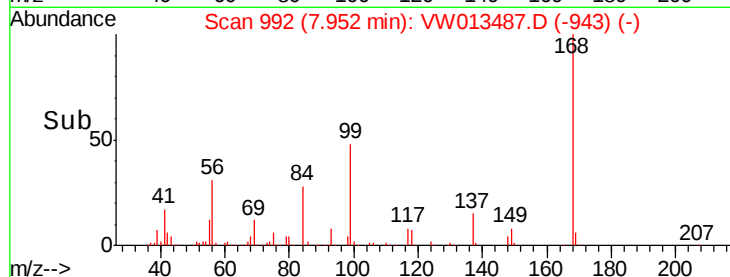
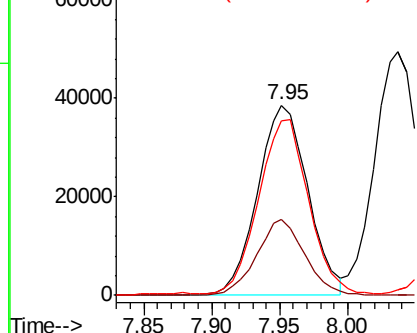
56 100

69 40.1 28.0 42.0

84 91.0 71.8 107.6



Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW



#32

1,1,1-Trichloroethane

Concen: 20.954 ug/l

RT: 7.87 min Scan# 979

Delta R.T. 0.01 min

Lab File: VW013487.D

Acq: 08 Oct 2019 15:27

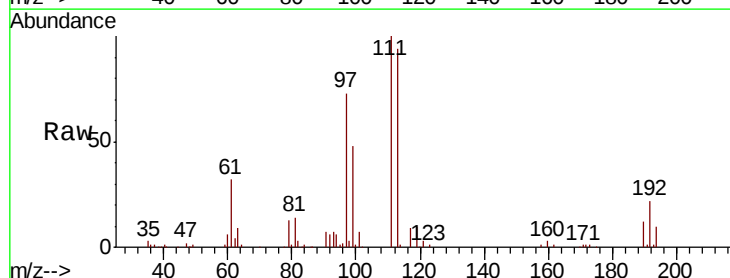
Tgt Ion: 97 Resp: 75821

Ion Ratio Lower Upper

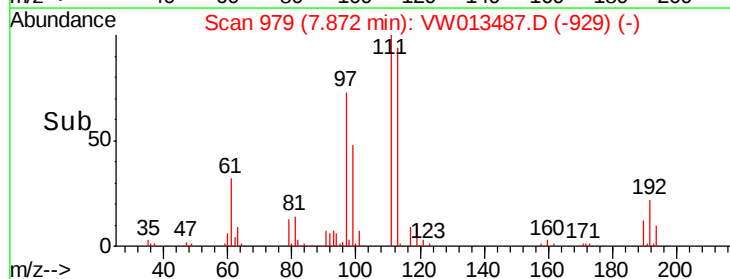
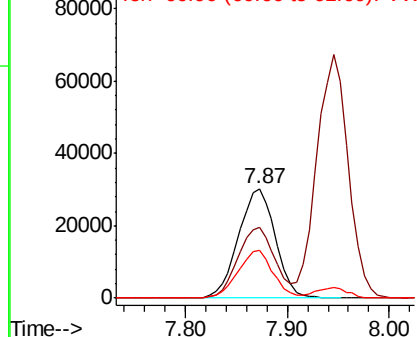
97 100

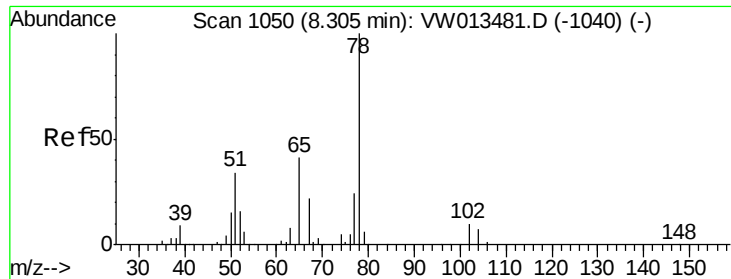
99 64.8 52.3 78.5

61 41.6 33.7 50.5



Abundance Ion 96.90 (96.60 to 97.60): VW
Ion 98.90 (98.60 to 99.60): VW
Ion 60.90 (60.60 to 61.60): VW





#33

1,2-Dichloroethane-d4

Concen: 48.809 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW013487.D

Acq: 08 Oct 2019 15:27

Instrument :

MSVOA_W

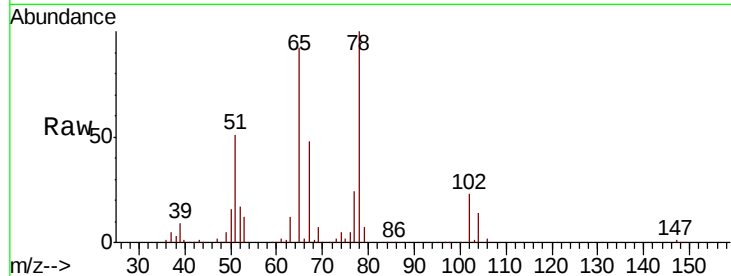
ClientSampleId :

Tot Ion: 65 Resp: 113613

Ion Ratio Lower Upper

65 100

67 53.8 0.0 109.4



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

60000

50000

40000

30000

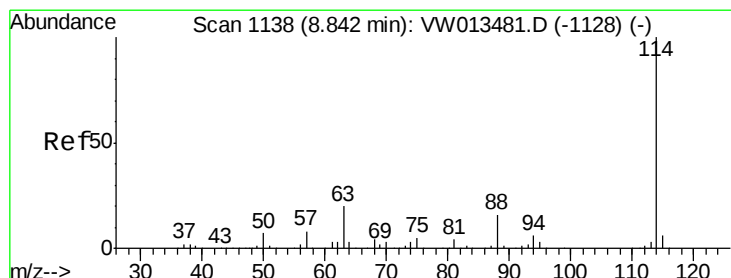
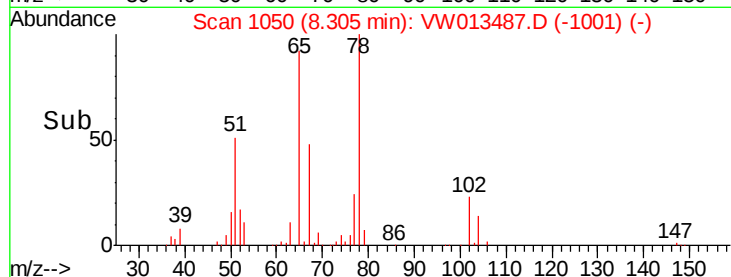
20000

10000

0

8.20 8.25 8.30 8.35

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VW013487.D

Acq: 08 Oct 2019 15:27

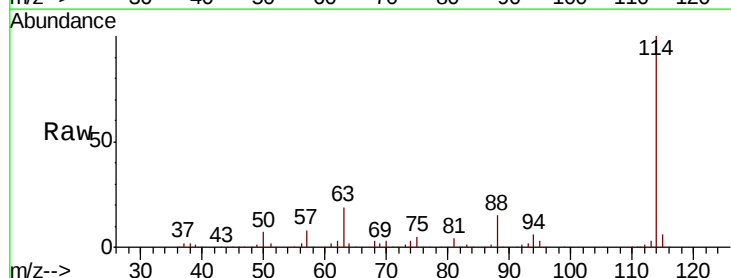
Tgt Ion: 114 Resp: 424880

Ion Ratio Lower Upper

114 100

63 18.7 0.0 40.4

88 14.6 0.0 31.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW

300000

250000

200000

150000

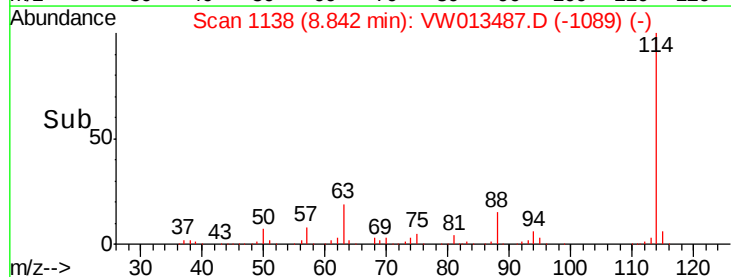
100000

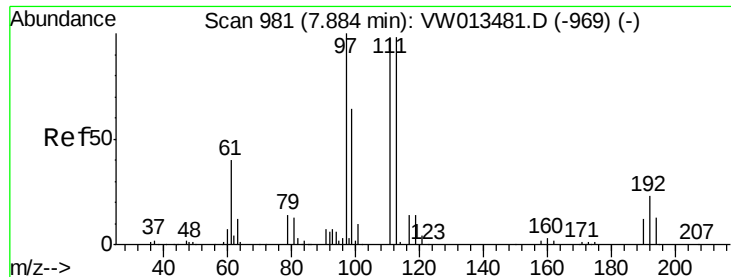
50000

0

8.70 8.80 8.90 9.00

Time-->

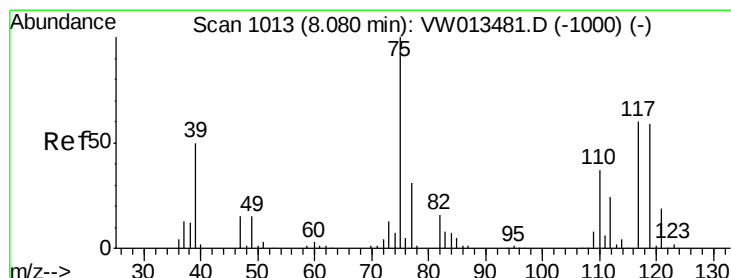
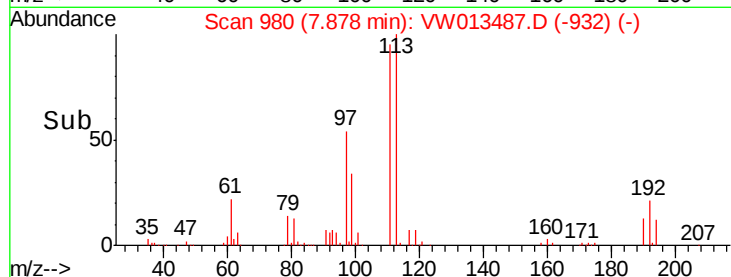
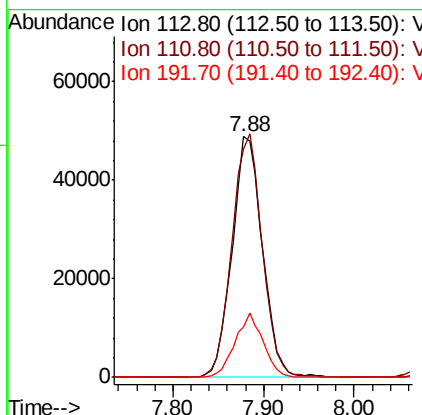
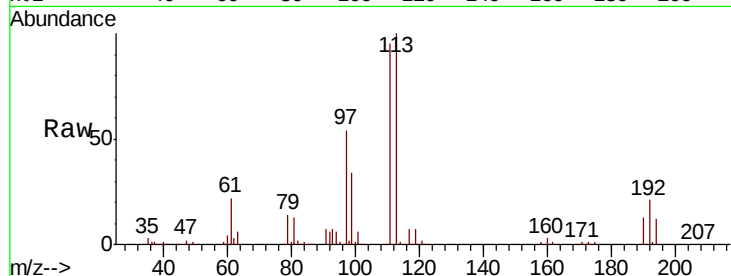




#35
 Dibromofluoromethane
 Concen: 47.896 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW013487.D
 Acq: 08 Oct 2019 15:27

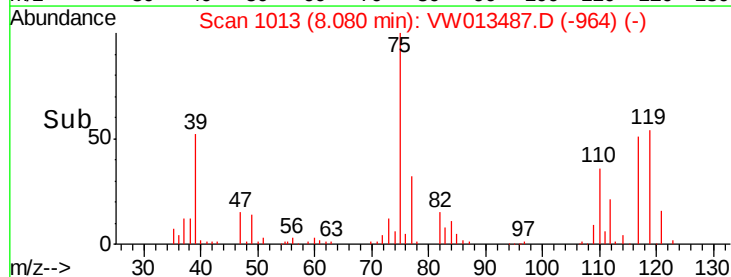
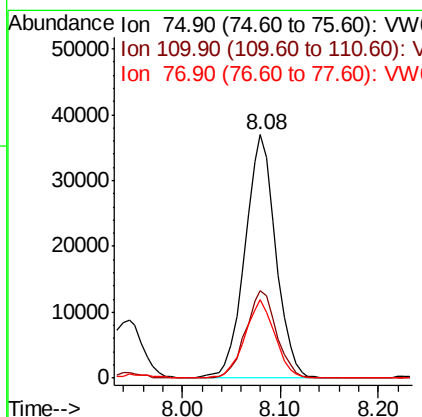
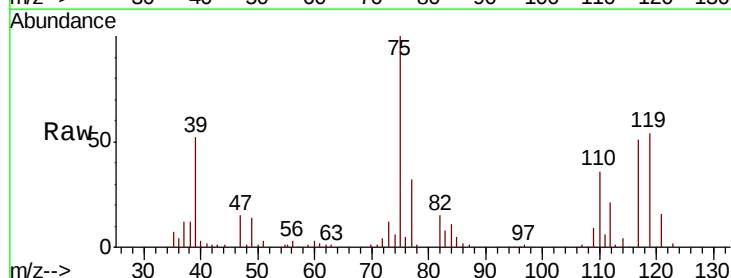
Instrument :
 MSVOA_W
 ClientSampleId :

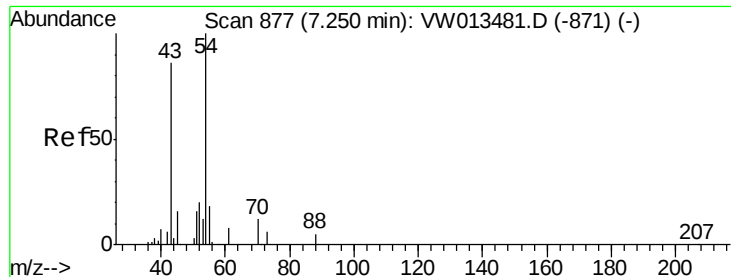
Tot Ion:113 Resp: 113658
 Ion Ratio Lower Upper
 113 100
 111 101.0 82.3 123.5
 192 24.4 19.3 28.9



#36
 1,1-Dichloropropene
 Concen: 20.920 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: VW013487.D
 Acq: 08 Oct 2019 15:27

Tgt Ion: 75 Resp: 80408
 Ion Ratio Lower Upper
 75 100
 110 36.0 18.4 55.2
 77 31.7 25.0 37.4

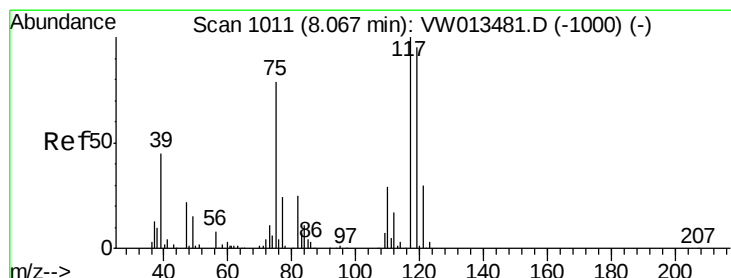
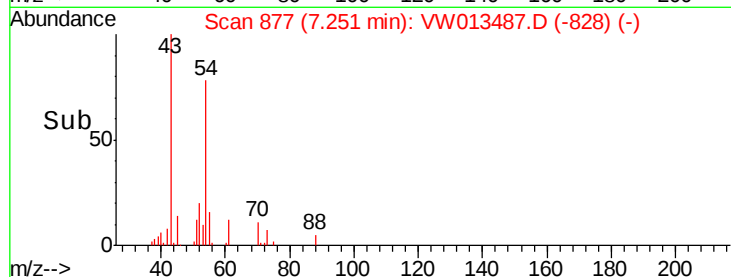
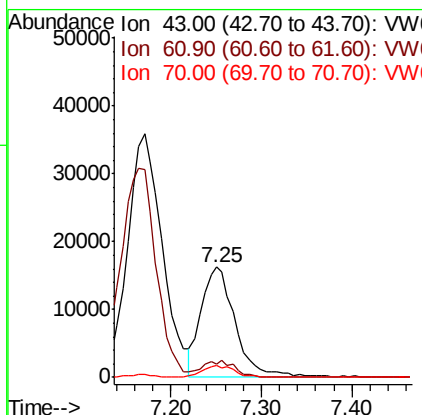
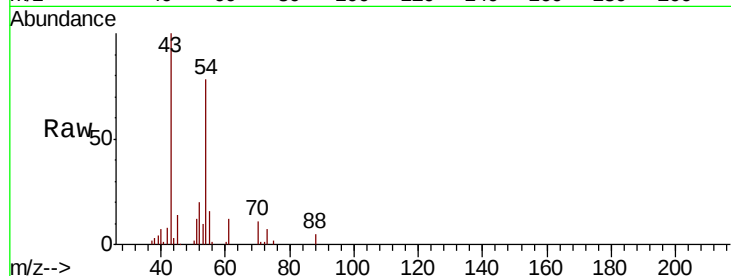




#37
Ethyl Acetate
Concen: 24.064 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW013487.D
Acq: 08 Oct 2019 15:27

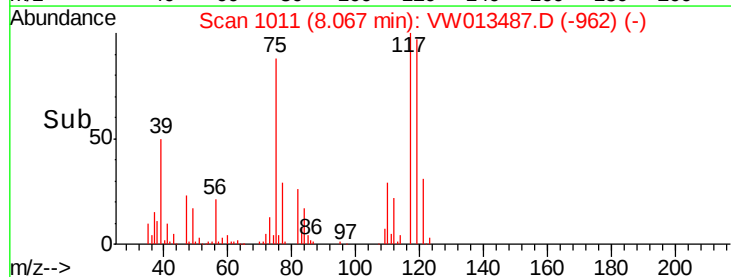
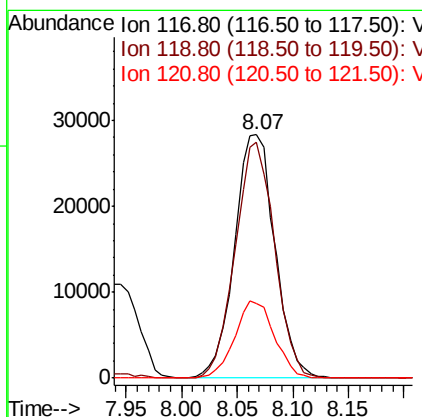
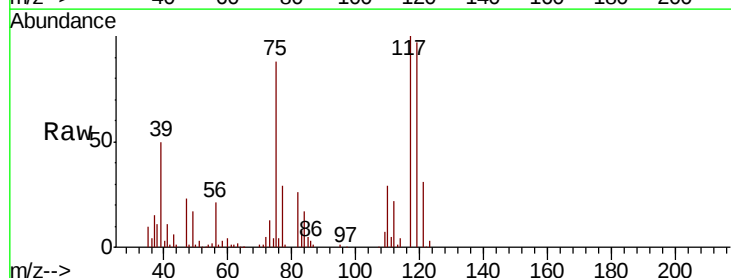
Instrument :
MSVOA_W
ClientSampled :

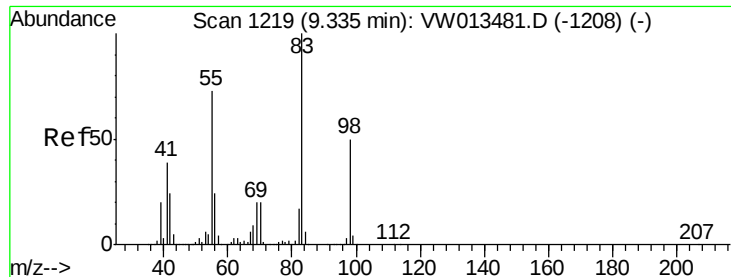
Tot Ion: 43 Resp: 41965
Ion Ratio Lower Upper
43 100
61 14.9 10.9 16.3
70 10.4 9.2 13.8



#38
Carbon Tetrachloride
Concen: 20.934 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW013487.D
Acq: 08 Oct 2019 15:27

Tgt Ion: 117 Resp: 71327
Ion Ratio Lower Upper
117 100
119 96.8 76.3 114.5
121 30.5 23.6 35.4

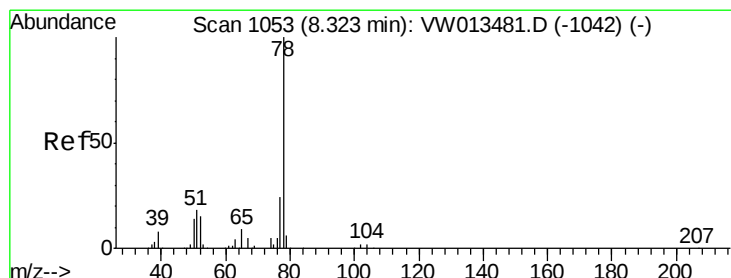
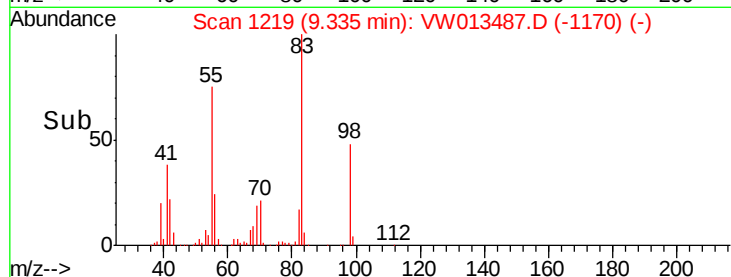
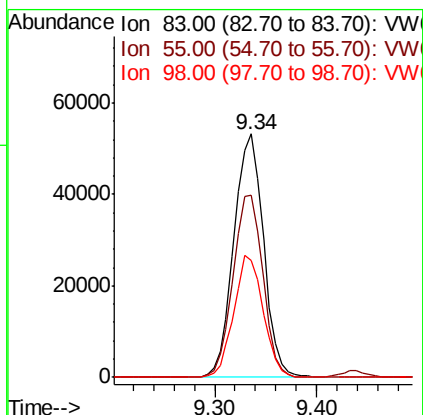
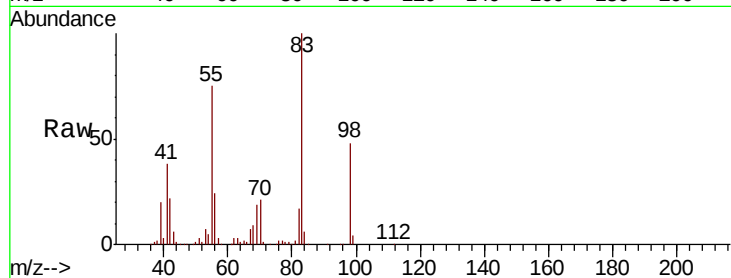




#39
Methvlcvclohexane
Concen: 21.471 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW013487.D
Acq: 08 Oct 2019 15:27

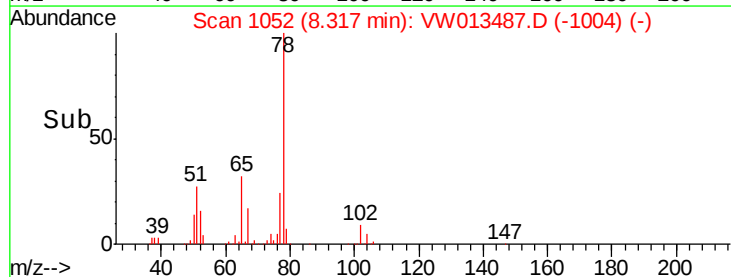
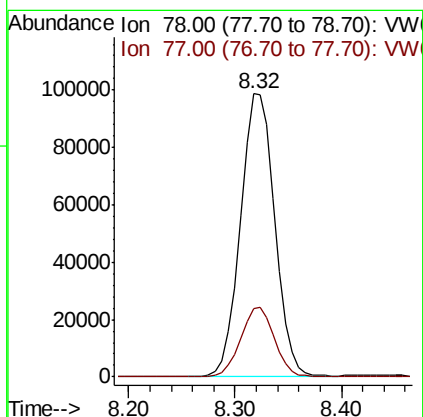
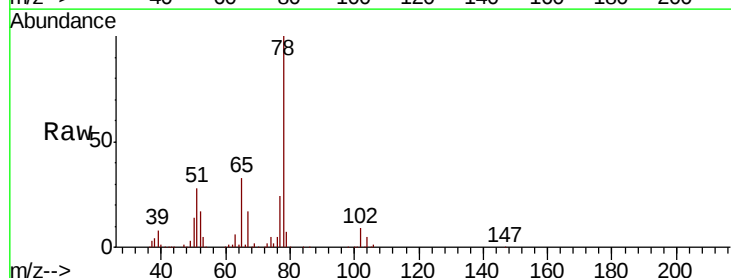
Instrument :
MSVOA_W
ClientSampled :

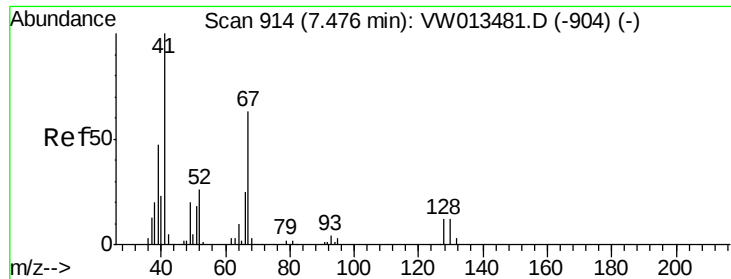
Tot Ion: 83 Resp: 106918
Ion Ratio Lower Upper
83 100
55 74.7 58.2 87.4
98 48.2 39.8 59.6



#40
Benzene
Concen: 20.863 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VW013487.D
Acq: 08 Oct 2019 15:27

Tgt Ion: 78 Resp: 223845
Ion Ratio Lower Upper
78 100
77 24.2 19.2 28.8

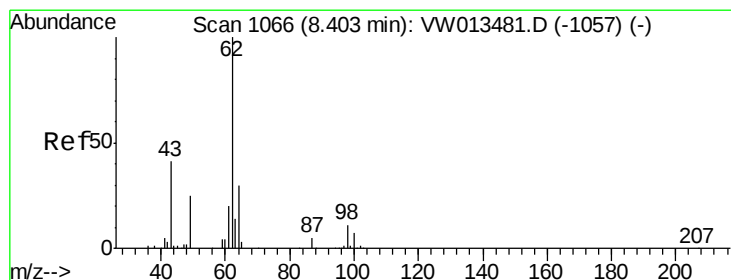
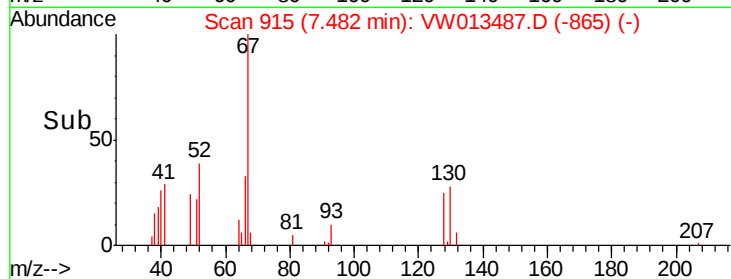
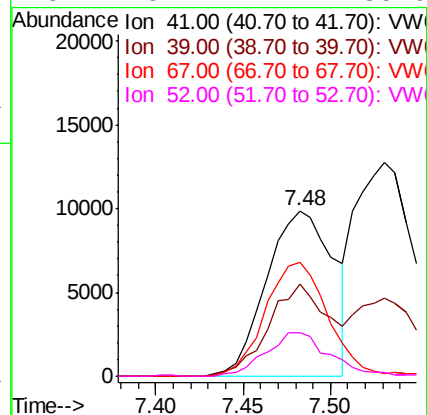
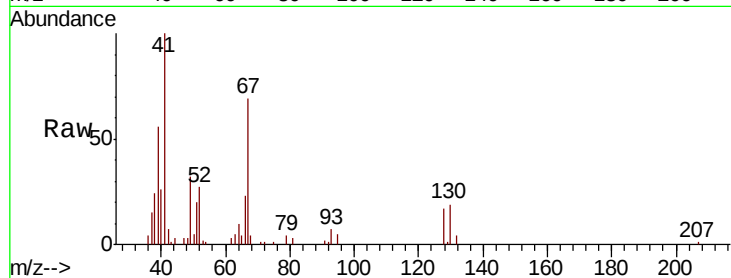




#41
Methacrylonitrile
Concen: 26.501 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.01 min
Lab File: VW013487.D
Acq: 08 Oct 2019 15:27

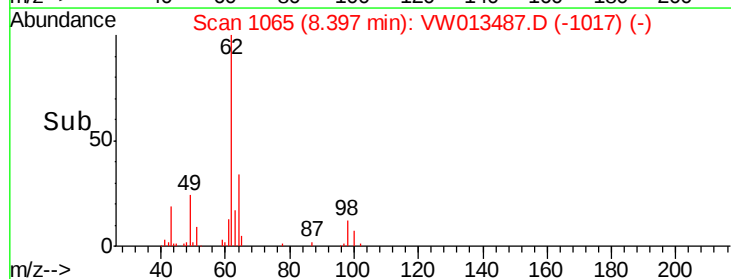
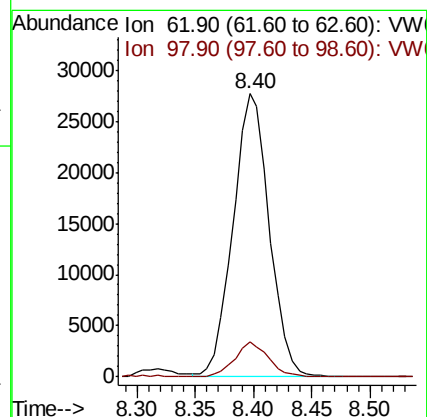
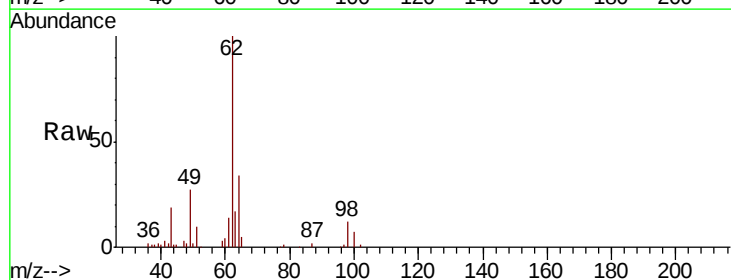
Instrument :
MSVOA_W
ClientSampled :

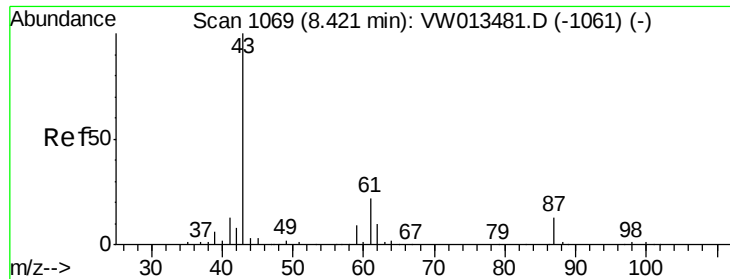
Tot Ion:	41	Resp:	26280
Ion	Ratio	Lower	Upper
41	100		
39	50.4	39.4	59.0
67	65.3	57.0	85.6
52	25.4	22.4	33.6



#42
1,2-Dichloroethane
Concen: 22.057 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.01 min
Lab File: VW013487.D
Acq: 08 Oct 2019 15:27

Tgt Ion:	62	Resp:	59817
Ion	Ratio	Lower	Upper
62	100		
98	11.6	0.0	21.4





#43

Isopropyl Acetate

Concen: 23.700 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW013487.D

Acq: 08 Oct 2019 15:27

Instrument :

MSVOA_W

ClientSampleId :

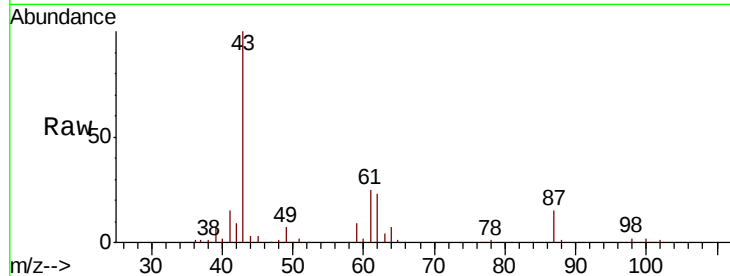
Tot Ion: 43 Resp: 74668

Ion Ratio Lower Upper

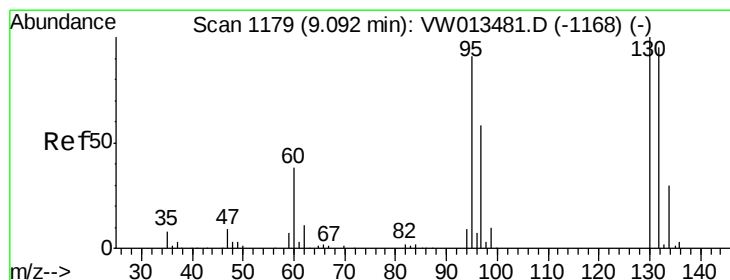
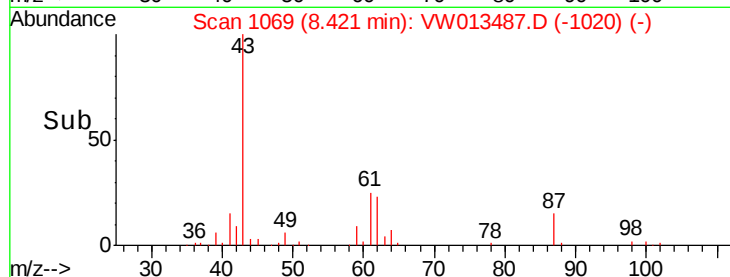
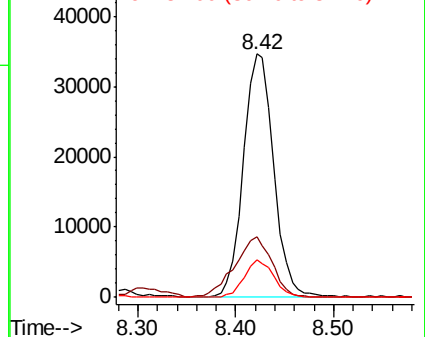
43 100

61 30.5 25.4 38.2

87 14.8 10.8 16.2



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 87.00 (86.70 to 87.70): VW



#44

Trichloroethene

Concen: 20.862 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW013487.D

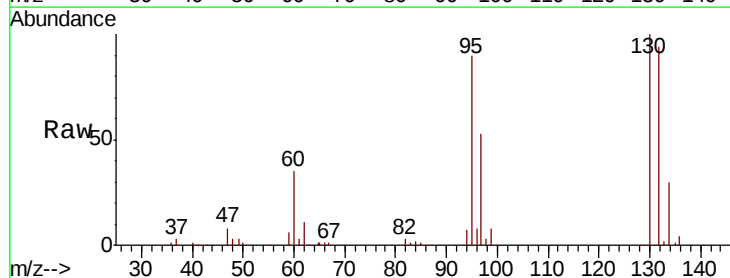
Acq: 08 Oct 2019 15:27

Tgt Ion:130 Resp: 63853

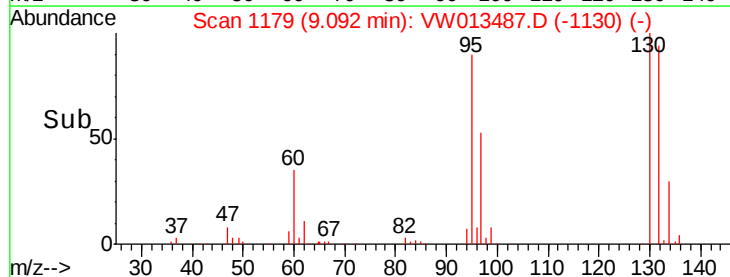
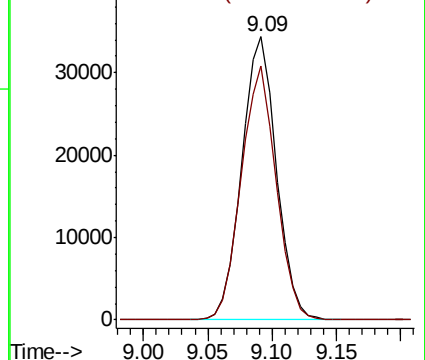
Ion Ratio Lower Upper

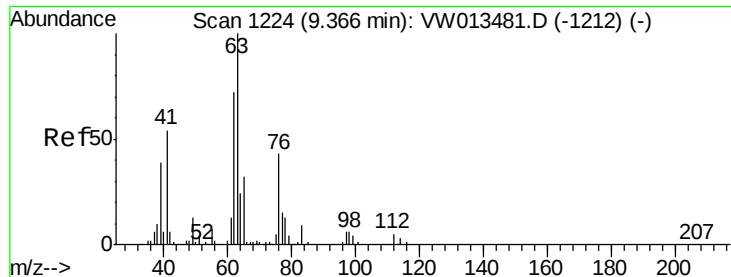
130 100

95 89.5 0.0 182.2



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VW





#45

1,2-Dichloropropane

Concen: 20.892 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW013487.D

Acq: 08 Oct 2019 15:27

Instrument :

MSVOA_W

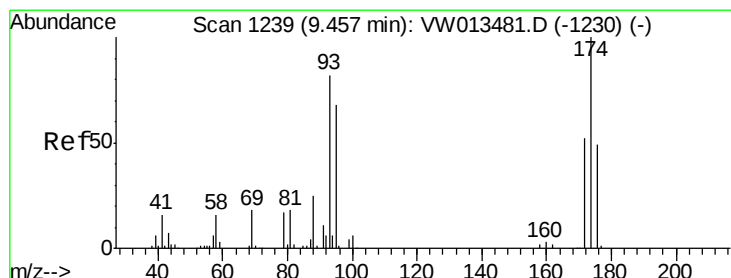
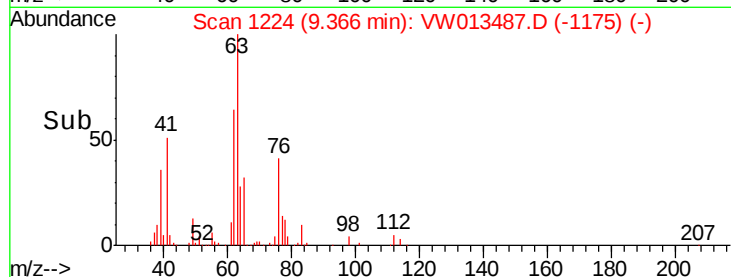
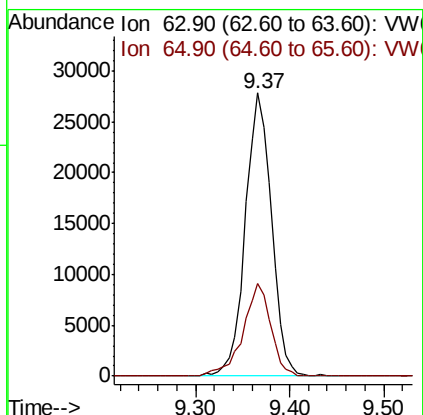
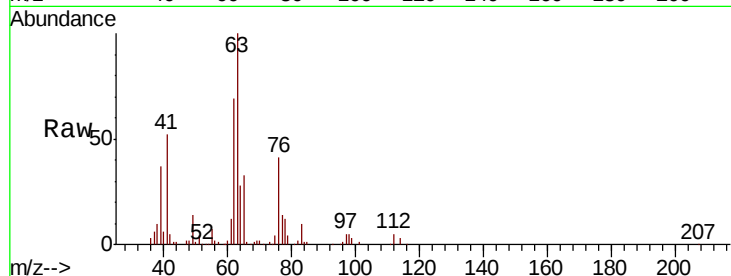
ClientSampleId :

Tot Ion: 63 Resp: 53802

Ion Ratio Lower Upper

63 100

65 32.6 25.8 38.6



#46

Dibromomethane

Concen: 22.052 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VW013487.D

Acq: 08 Oct 2019 15:27

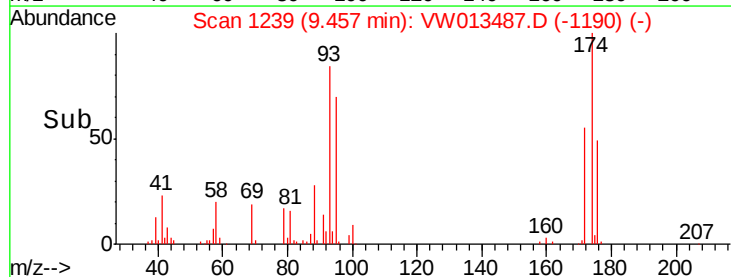
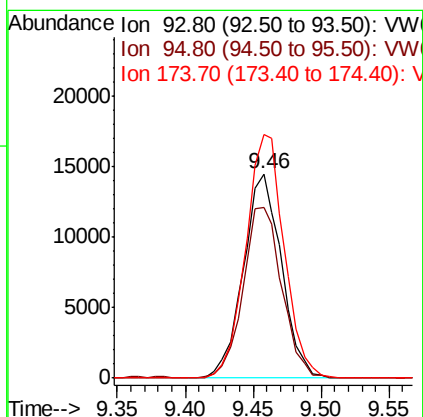
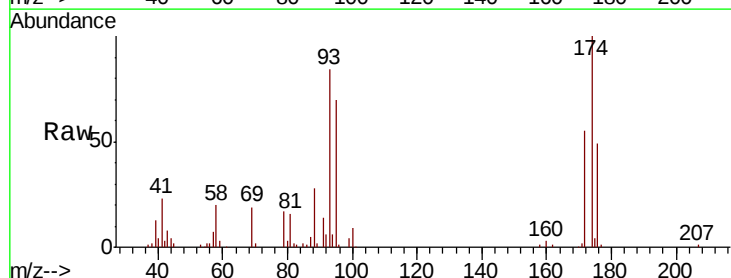
Tgt Ion: 93 Resp: 28291

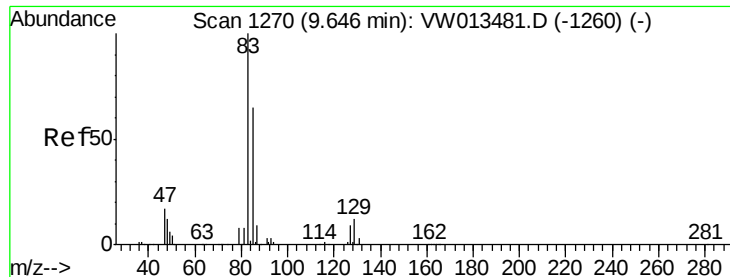
Ion Ratio Lower Upper

93 100

95 85.1 68.0 102.0

174 120.6 97.0 145.6





#47

Bromodichloromethane

Concen: 20.611 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VW013487.D

Acq: 08 Oct 2019 15:27

Instrument :

MSVOA_W

ClientSampleId :

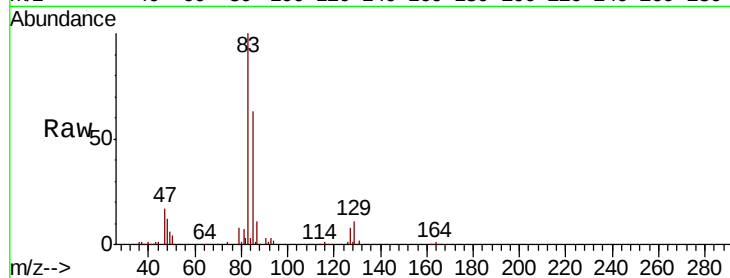
Tot Ion: 83 Resp: 65729

Ion Ratio Lower Upper

83 100

85 63.4 51.9 77.9

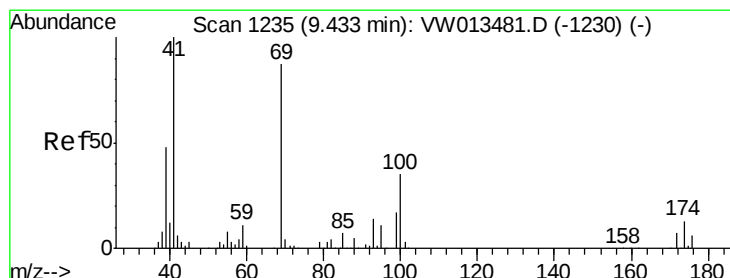
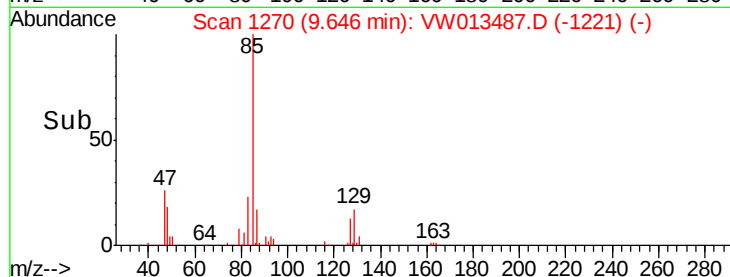
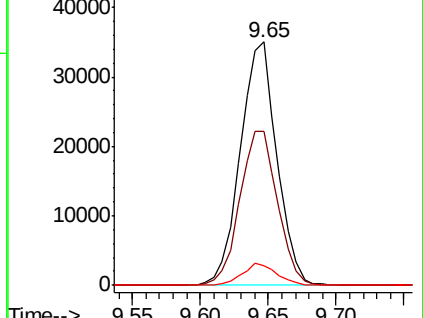
127 8.1 7.4 11.2



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 126.80 (126.50 to 127.50): VW



#48

Methyl methacrylate

Concen: 23.868 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. 0.00 min

Lab File: VW013487.D

Acq: 08 Oct 2019 15:27

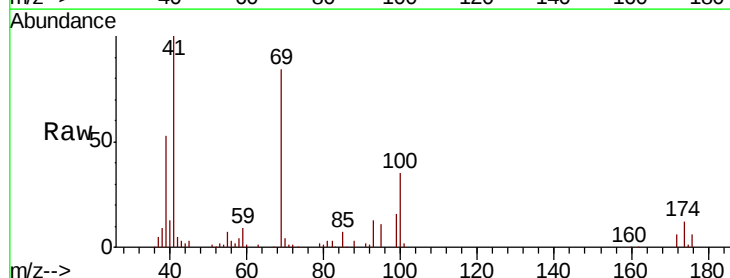
Tgt Ion: 41 Resp: 37042

Ion Ratio Lower Upper

41 100

69 85.6 70.4 105.6

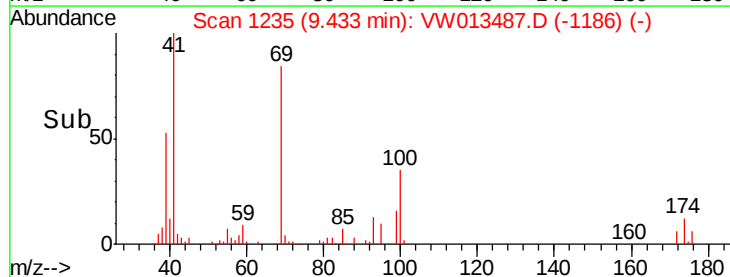
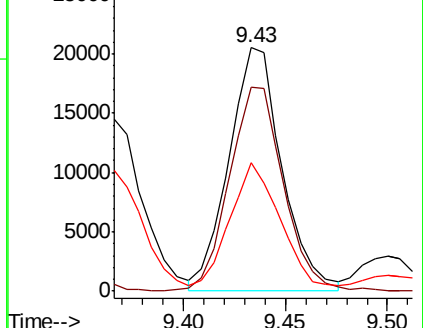
39 47.1 37.3 55.9

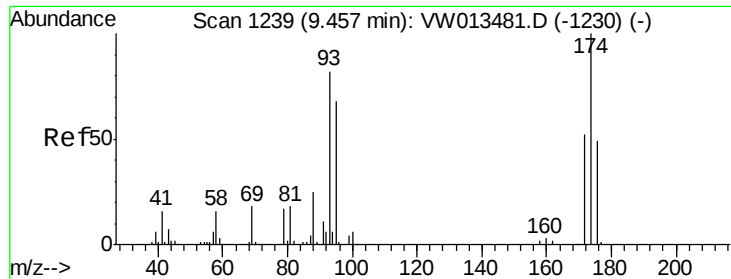


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW





#49

1,4-Dioxane

Concen: 507.447 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VW013487.D

Acq: 08 Oct 2019 15:27

Instrument :
MSVOA_W
ClientSampleId :

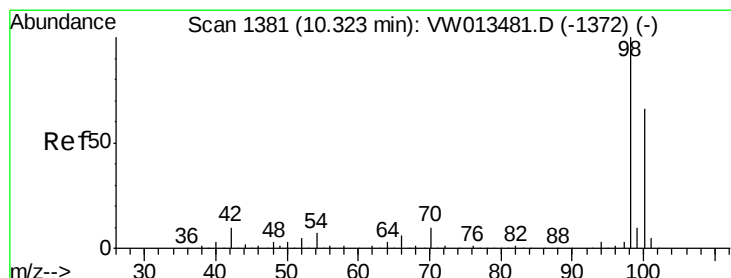
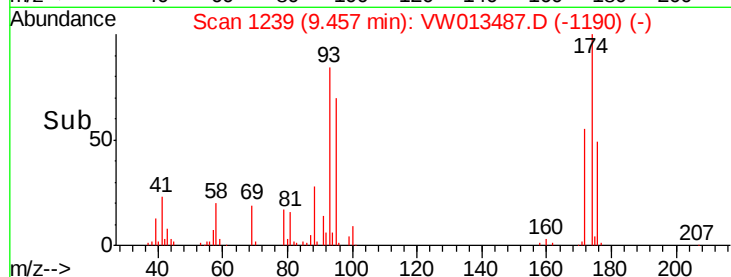
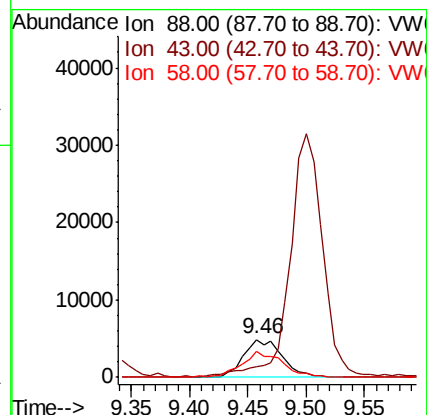
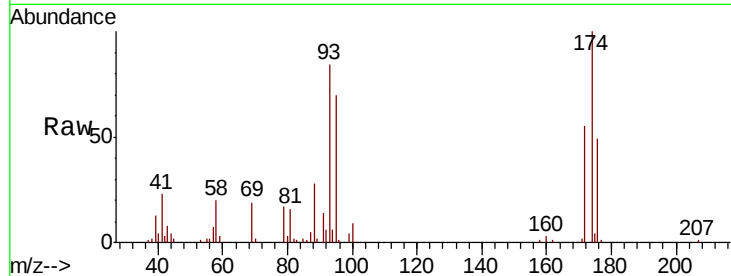
Tot Ion: 88 Resp: 11431

Ion Ratio Lower Upper

88 100

43 0.0 0.0 0.0

58 72.0 60.0 90.0



#50

Toluene-d8

Concen: 48.256 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW013487.D

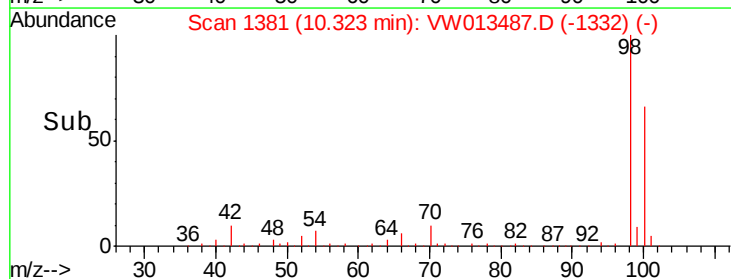
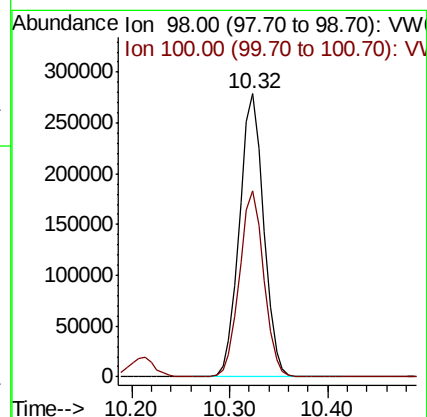
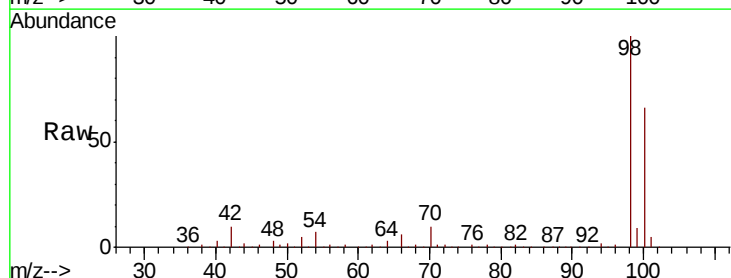
Acq: 08 Oct 2019 15:27

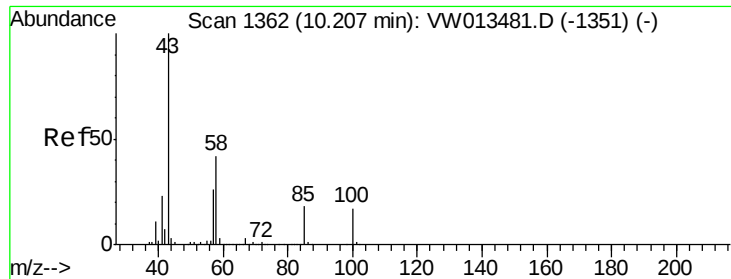
Tgt Ion: 98 Resp: 481237

Ion Ratio Lower Upper

98 100

100 65.6 53.2 79.8





#51

4-Methyl-2-Pentanone

Concen: 121.830 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW013487.D

Acq: 08 Oct 2019 15:27

Instrument :

MSVOA_W

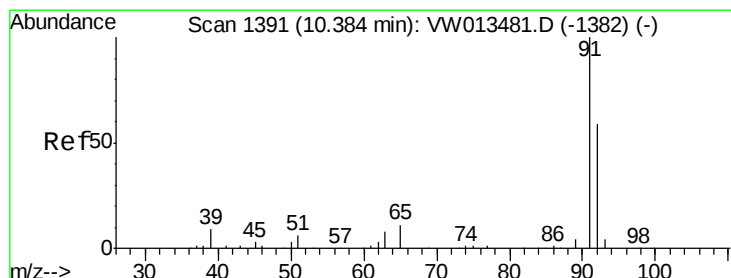
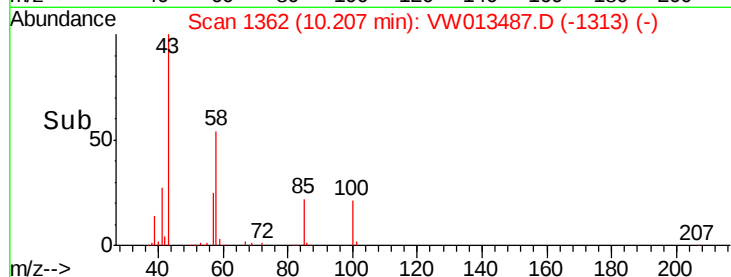
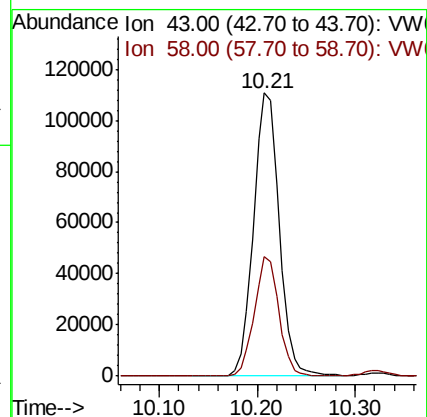
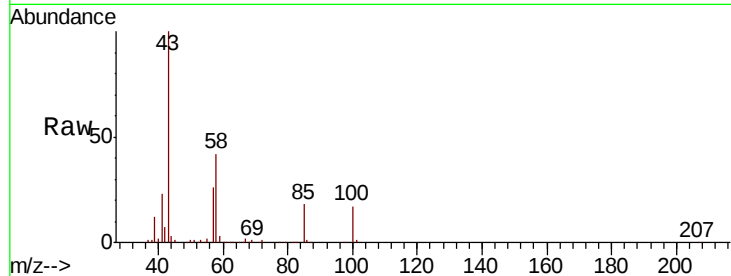
ClientSampleId :

Tot Ion: 43 Resp: 201798

Ion Ratio Lower Upper

43 100

58 40.5 32.8 49.2



#52

Toluene

Concen: 21.272 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW013487.D

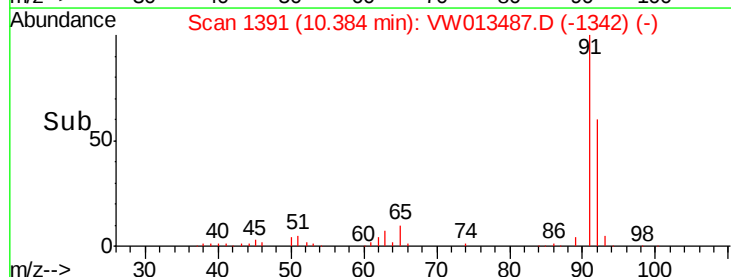
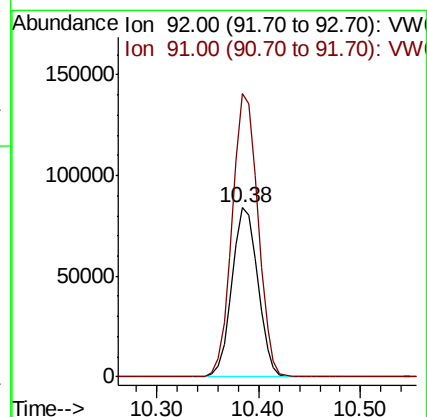
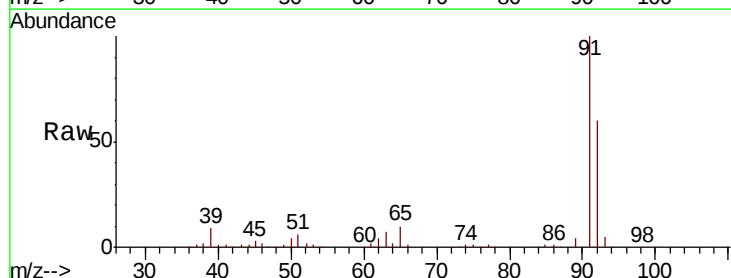
Acq: 08 Oct 2019 15:27

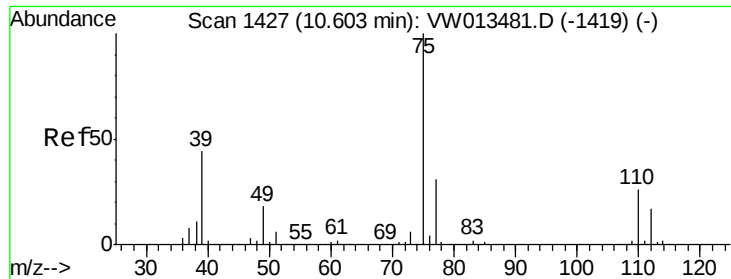
Tgt Ion: 92 Resp: 147013

Ion Ratio Lower Upper

92 100

91 167.2 134.8 202.2

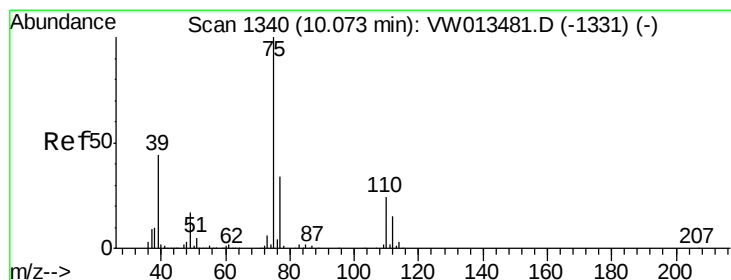
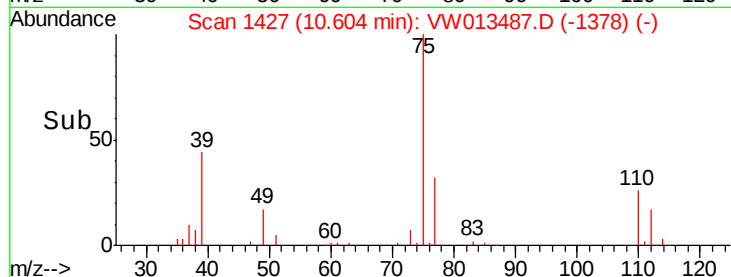
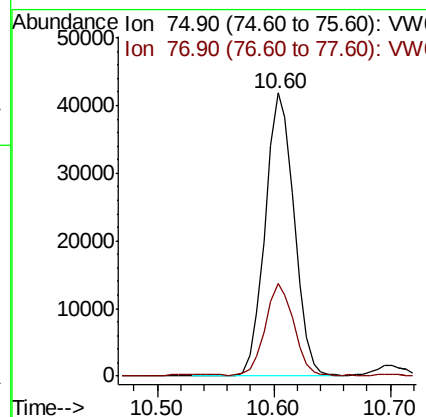
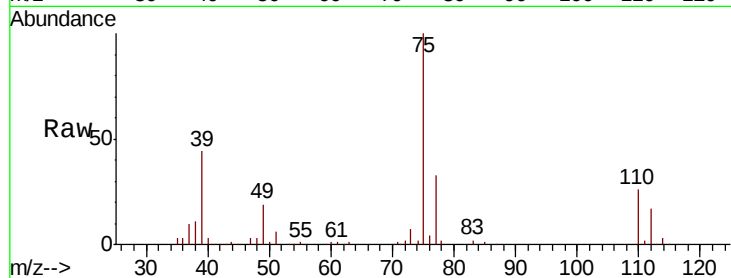




#53
t-1,3-Dichloropropene
Concen: 21.733 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. 0.00 min
Lab File: VW013487.D
Acq: 08 Oct 2019 15:27

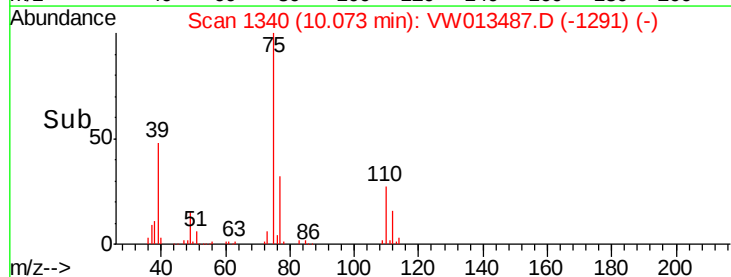
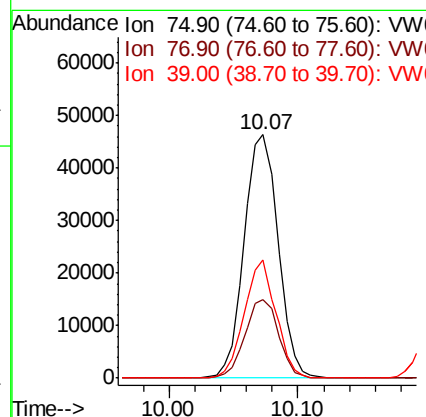
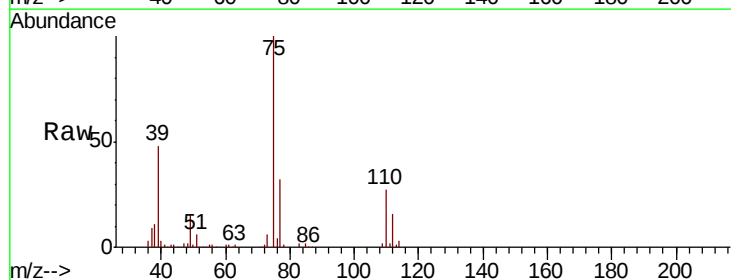
Instrument :
MSVOA_W
ClientSampleId :

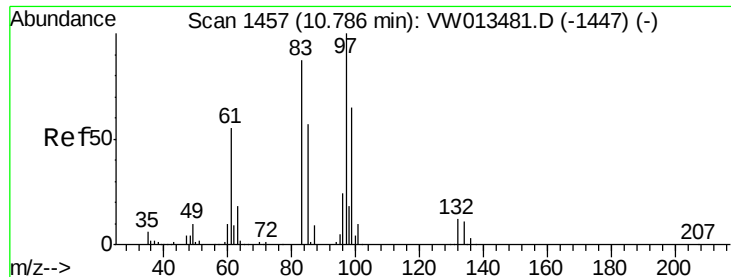
Tot Ion: 75 Resp: 72018
Ion Ratio Lower Upper
75 100
77 32.5 25.2 37.8



#54
cis-1,3-Dichloropropene
Concen: 20.996 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. 0.00 min
Lab File: VW013487.D
Acq: 08 Oct 2019 15:27

Tgt Ion: 75 Resp: 84294
Ion Ratio Lower Upper
75 100
77 32.5 27.0 40.4
39 48.5 35.0 52.4





#55

1,1,2-Trichloroethane

Concen: 21.972 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW013487.D

Acq: 08 Oct 2019 15:27

Instrument :

MSVOA_W

ClientSampled :

Tot Ion: 97 Resp: 42311

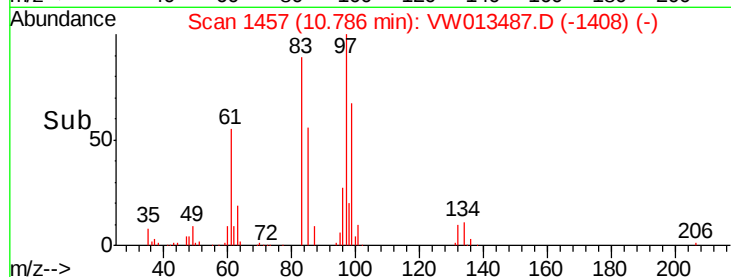
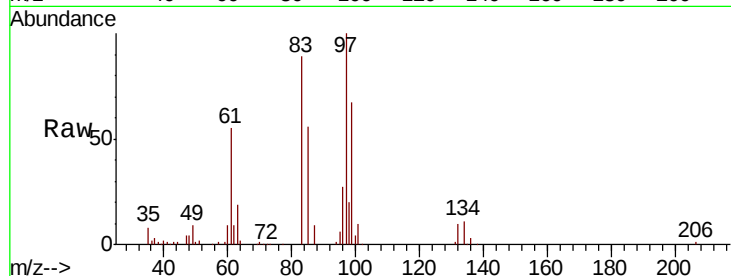
Ion	Ratio	Lower	Upper
97	100		
83	88.6	69.8	104.8
85	56.5	45.4	68.0
99	67.1	51.9	77.9

97 100

83 88.6 69.8 104.8

85 56.5 45.4 68.0

99 67.1 51.9 77.9



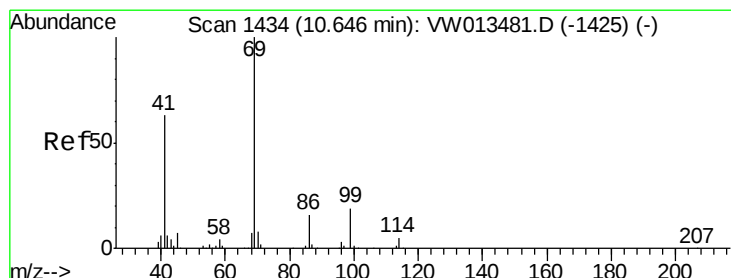
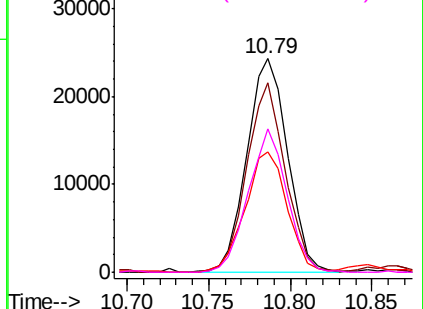
Abundance

Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56

Ethyl methacrylate

Concen: 22.927 ug/l

RT: 10.65 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW013487.D

Acq: 08 Oct 2019 15:27

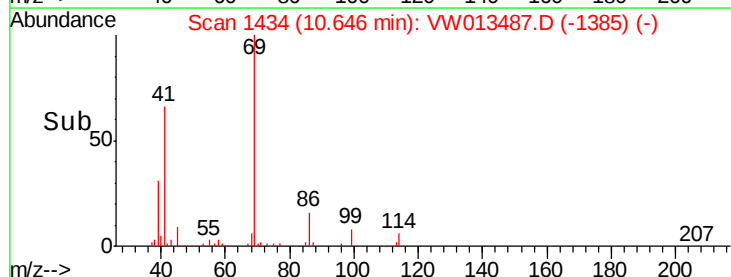
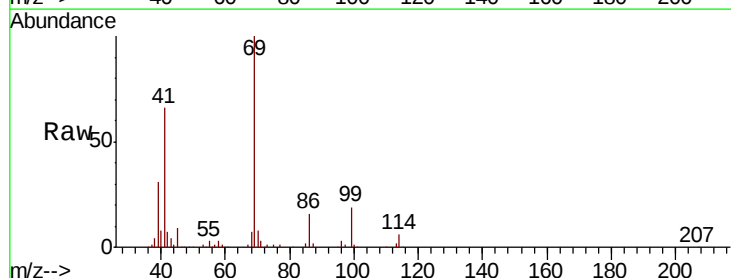
Tgt Ion: 69 Resp: 59462

Ion	Ratio	Lower	Upper
69	100		
41	63.0	51.8	77.6
39	28.9	21.7	32.5

69 100

41 63.0 51.8 77.6

39 28.9 21.7 32.5

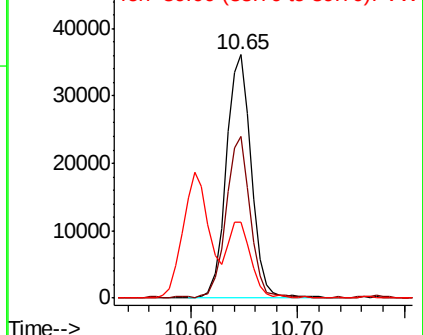


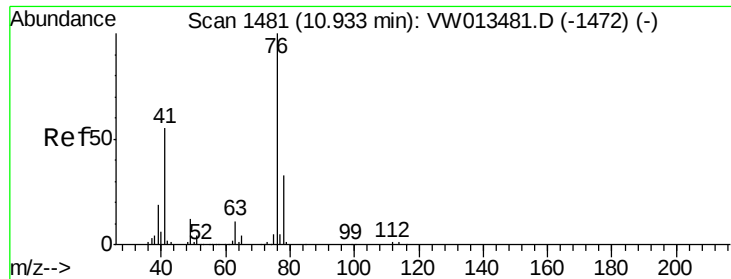
Abundance

Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

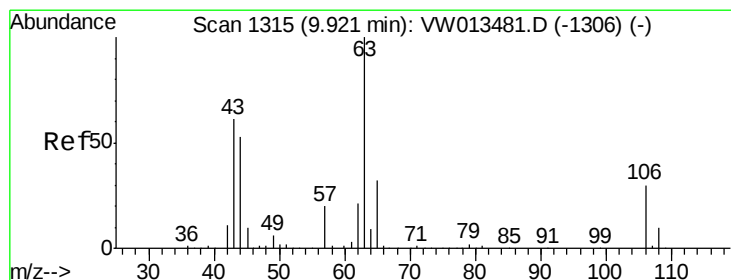
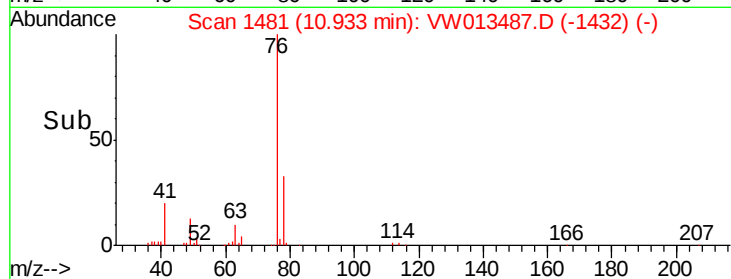
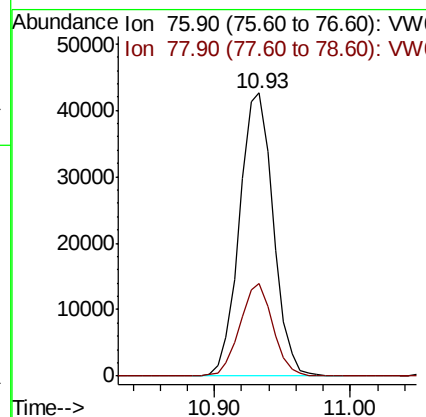
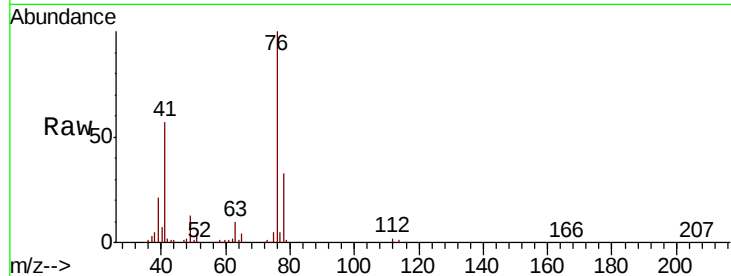




#57
 1,3-Dichloropropane
 Concen: 22.311 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW013487.D
 Acq: 08 Oct 2019 15:27

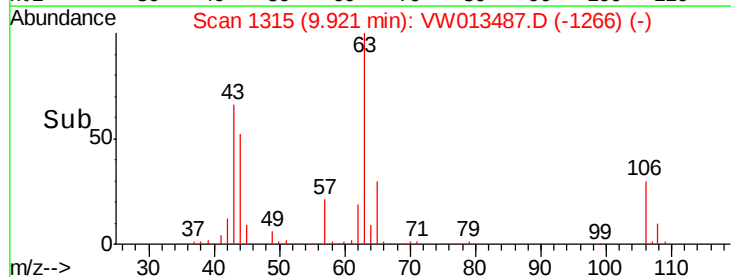
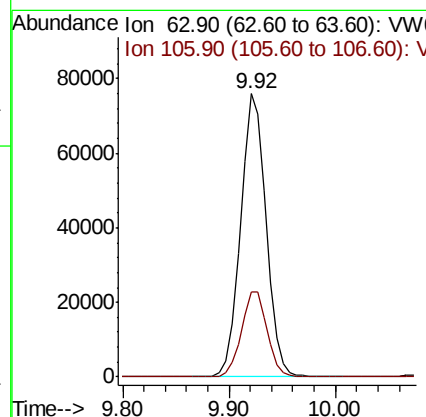
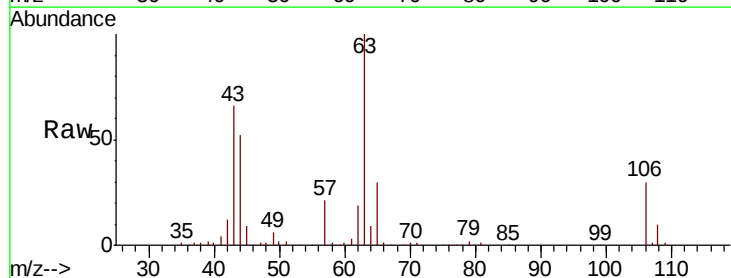
Instrument :
 MSVOA_W
 ClientSampleId :

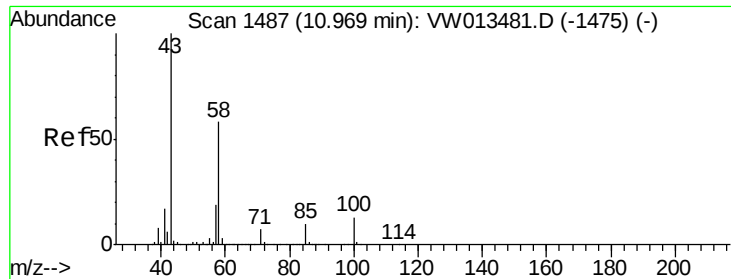
Tot Ion: 76 Resp: 73774
 Ion Ratio Lower Upper
 76 100
 78 32.0 25.9 38.9



#58
 2-Chloroethyl Vinyl ether
 Concen: 104.293 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW013487.D
 Acq: 08 Oct 2019 15:27

Tgt Ion: 63 Resp: 127611
 Ion Ratio Lower Upper
 63 100
 106 30.4 24.5 36.7

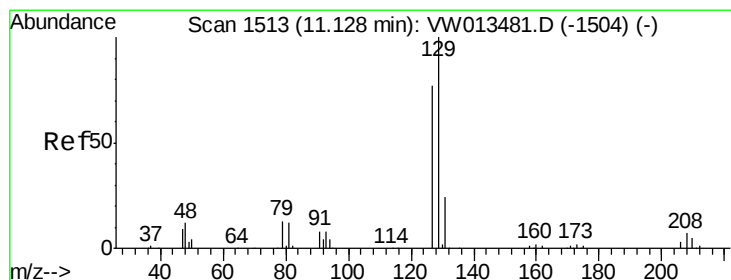
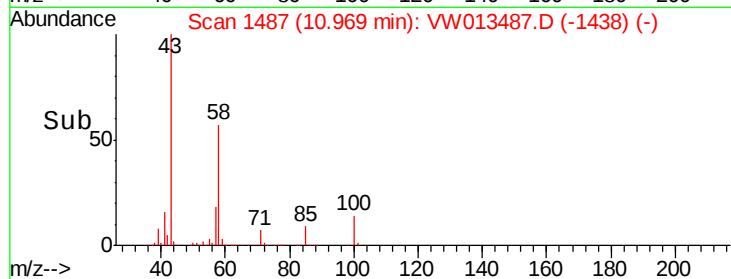
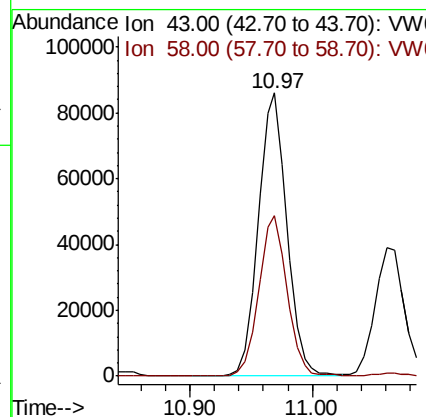
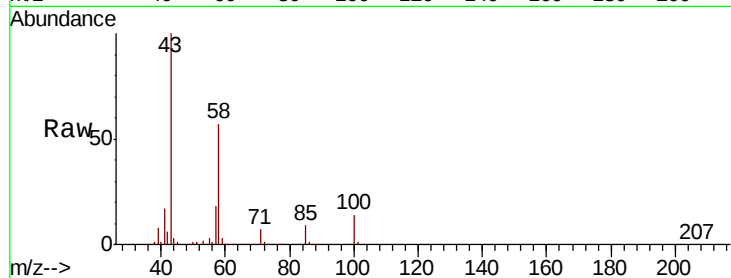




#59
2-Hexanone
Concen: 123.254 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW013487.D
Acq: 08 Oct 2019 15:27

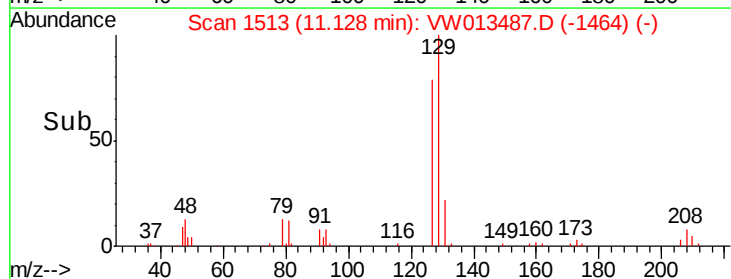
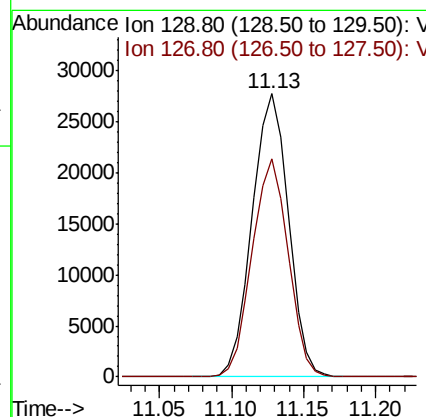
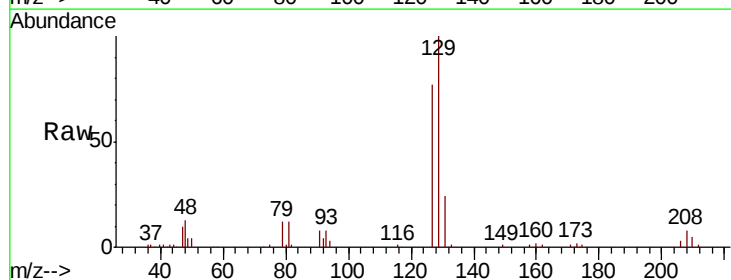
Instrument :
MSVOA_W
ClientSampleId :

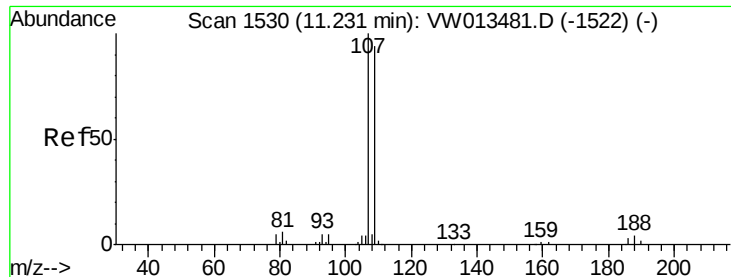
Tot Ion: 43 Resp: 139995
Ion Ratio Lower Upper
43 100
58 56.3 28.4 85.2



#60
Dibromochloromethane
Concen: 21.861 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW013487.D
Acq: 08 Oct 2019 15:27

Tgt Ion: 129 Resp: 48411
Ion Ratio Lower Upper
129 100
127 76.4 37.4 112.1

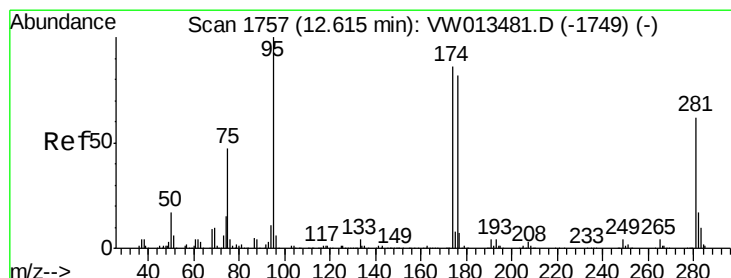
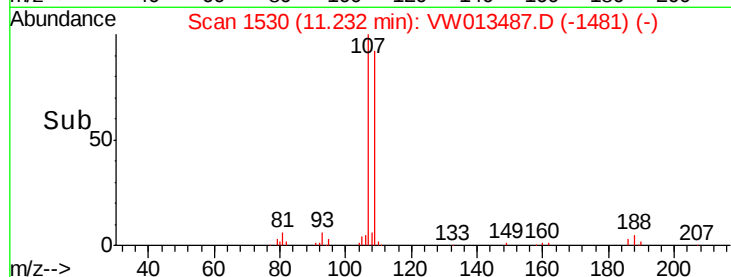
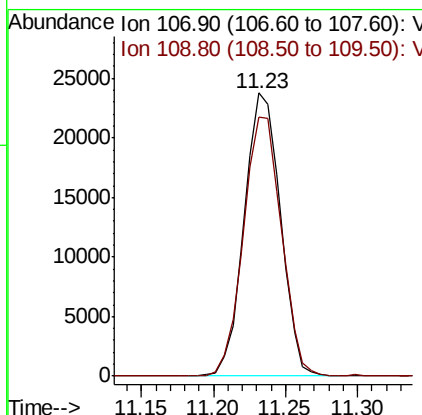
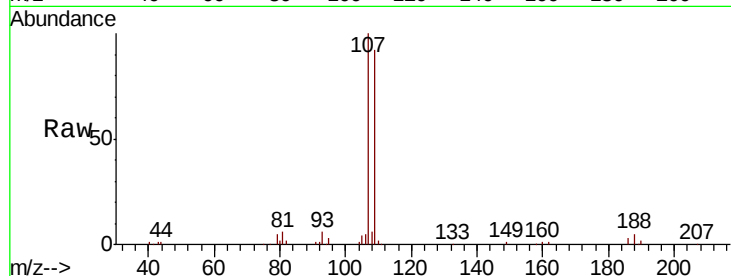




#61
 1,2-Dibromoethane
 Concen: 22.538 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. 0.00 min
 Lab File: VW013487.D
 Acq: 08 Oct 2019 15:27

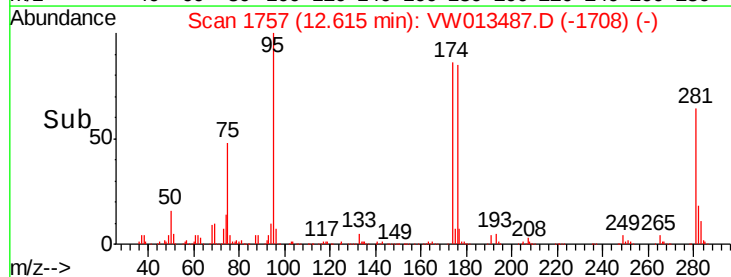
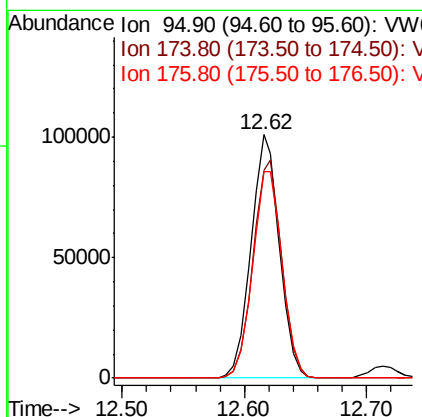
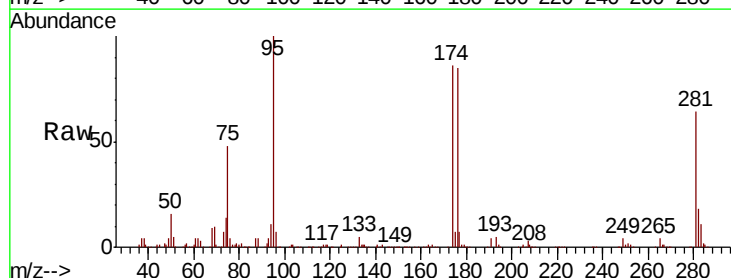
Instrument :
 MSVOA_W
 ClientSampled :

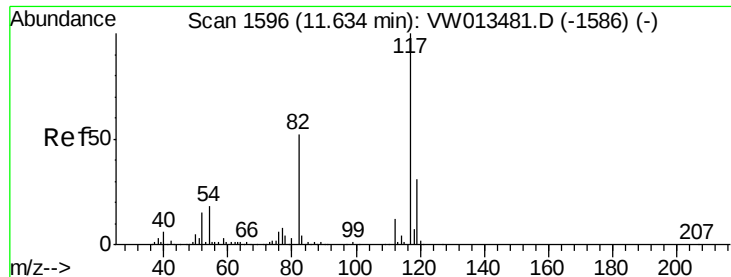
Tot Ion:107 Resp: 41281
 Ion Ratio Lower Upper
 107 100
 109 96.3 76.6 115.0



#62
 4-Bromofluorobenzene
 Concen: 48.607 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.00 min
 Lab File: VW013487.D
 Acq: 08 Oct 2019 15:27

Tgt Ion: 95 Resp: 162838
 Ion Ratio Lower Upper
 95 100
 174 90.6 0.0 177.4
 176 88.6 0.0 173.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1595

Delta R.T. -0.01 min

Lab File: VW013487.D

Acq: 08 Oct 2019 15:27

Instrument :

MSVOA_W

ClientSampled :

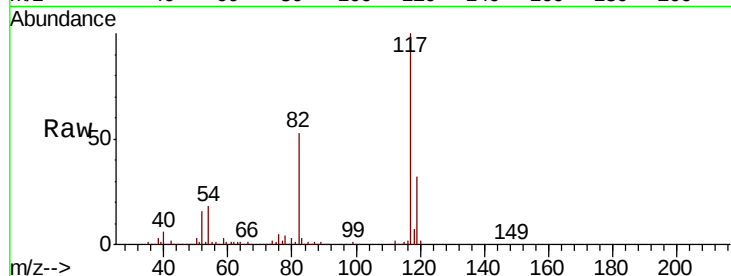
Tot Ion:117 Resp: 362849

Ion Ratio Lower Upper

117 100

82 52.8 41.4 62.2

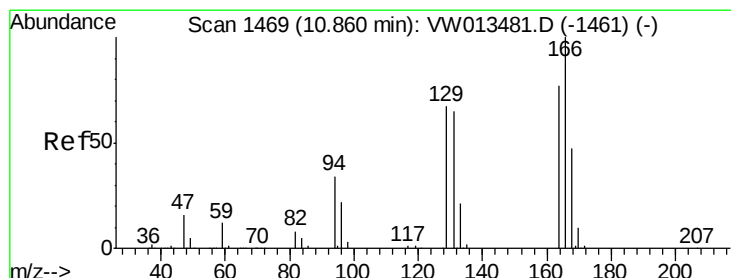
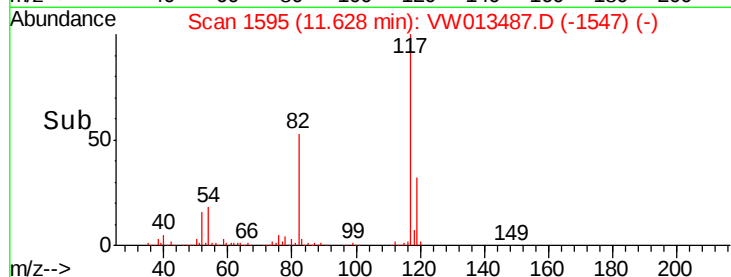
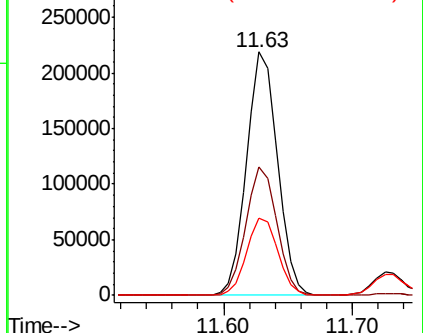
119 31.6 25.1 37.7



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: 20.751 ug/l

RT: 10.86 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VW013487.D

Acq: 08 Oct 2019 15:27

Tgt Ion:164 Resp: 55415

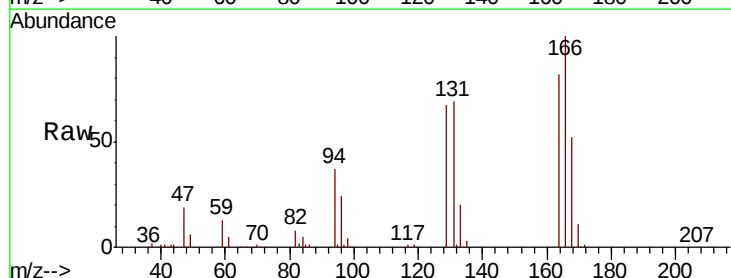
Ion Ratio Lower Upper

164 100

166 121.5 104.6 156.8

129 81.4 70.2 105.2

131 83.5 67.6 101.4

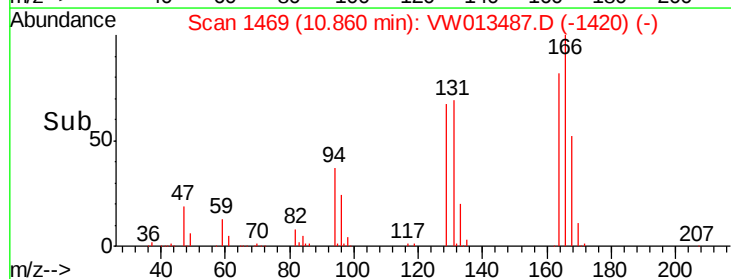
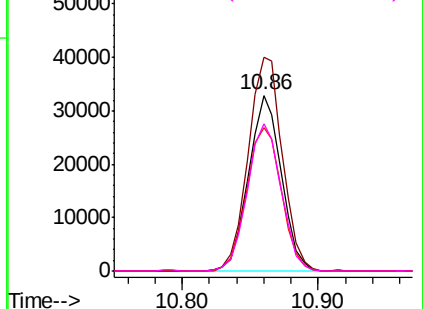


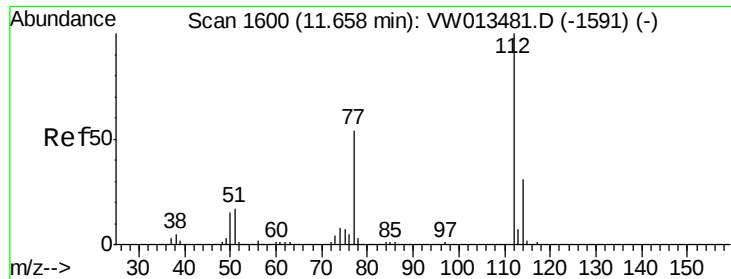
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

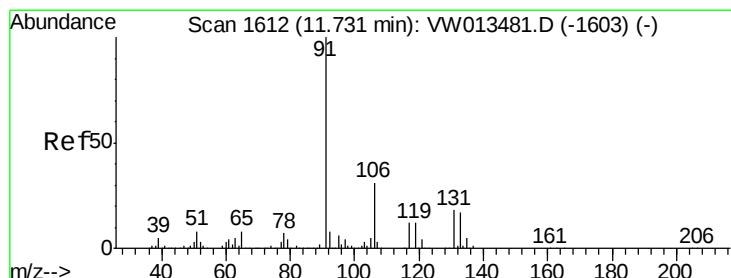
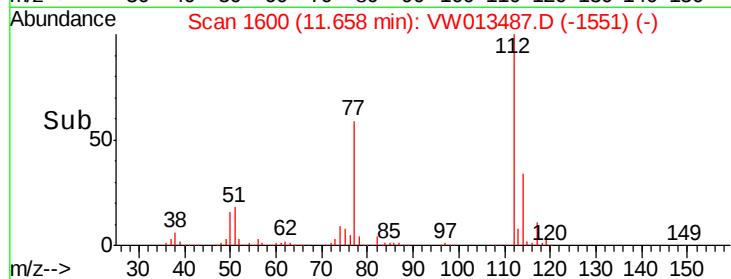
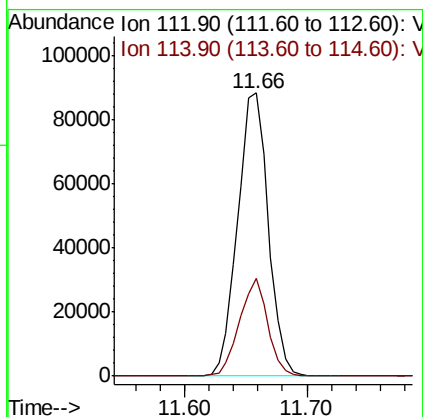
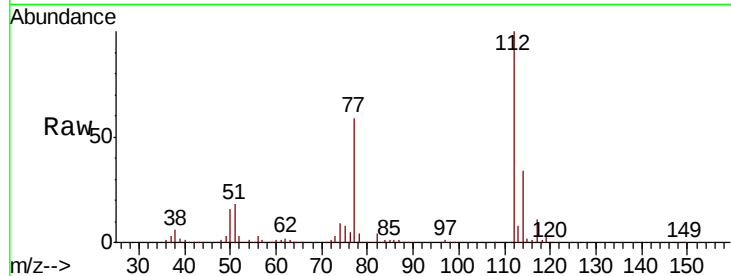




#65
Chlorobenzene
Concen: 21.251 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW013487.D
Acq: 08 Oct 2019 15:27

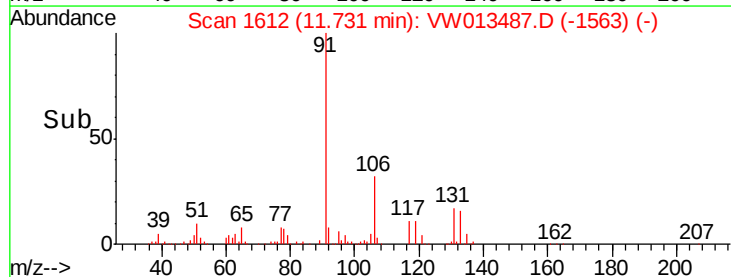
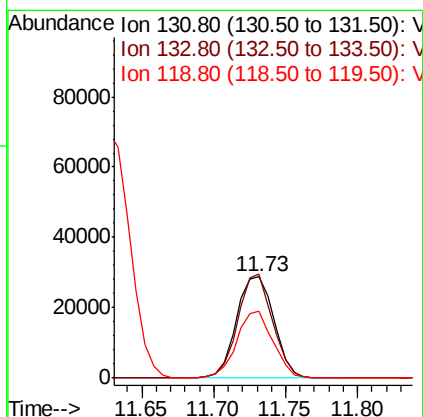
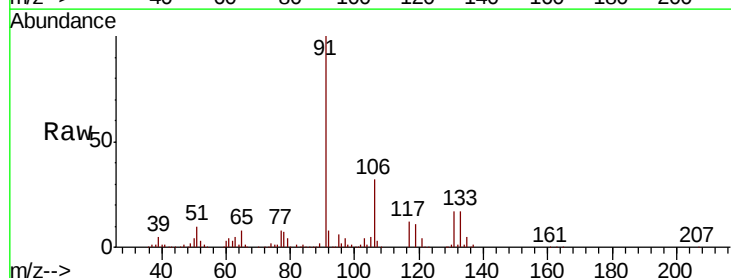
Instrument :
MSVOA_W
ClientSampleId :

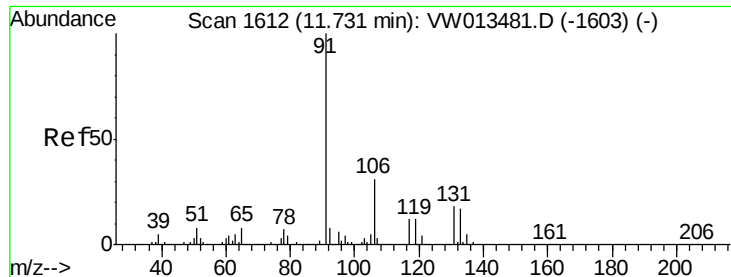
Tot Ion:112 Resp: 153220
Ion Ratio Lower Upper
112 100
114 34.4 24.6 37.0



#66
1,1,1,2-Tetrachloroethane
Concen: 20.829 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW013487.D
Acq: 08 Oct 2019 15:27

Tgt Ion:131 Resp: 52166
Ion Ratio Lower Upper
131 100
133 94.2 47.6 142.9
119 63.9 32.6 98.0

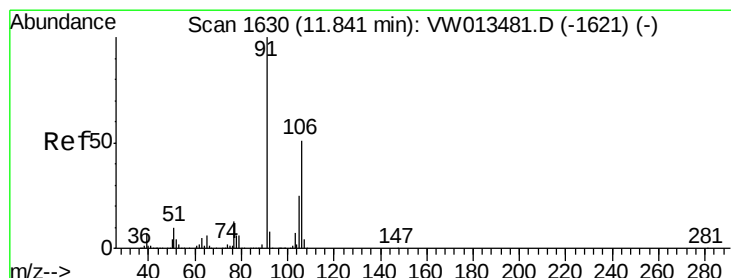
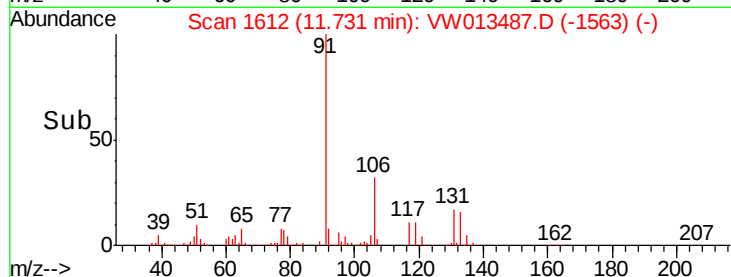
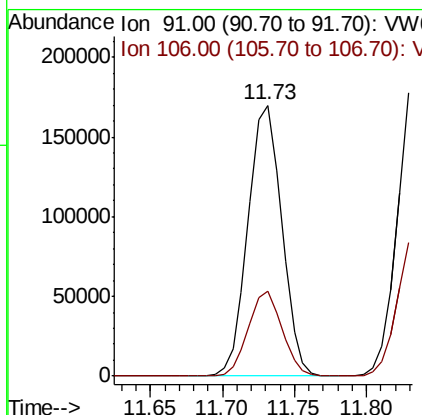
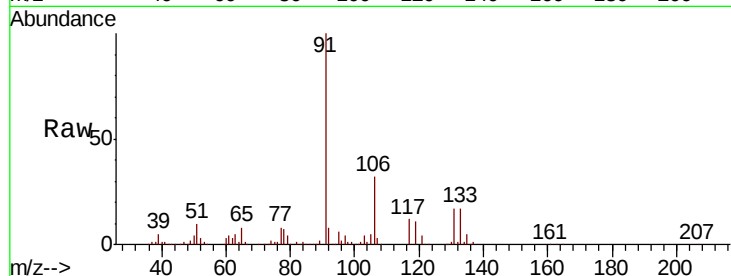




#67
Ethyl Benzene
Concen: 20.963 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW013487.D
Acq: 08 Oct 2019 15:27

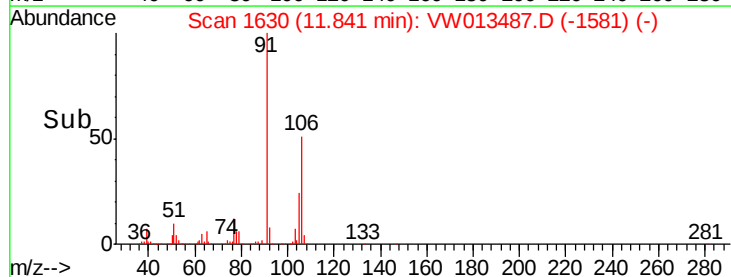
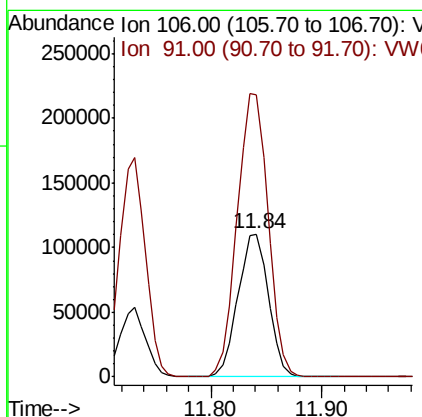
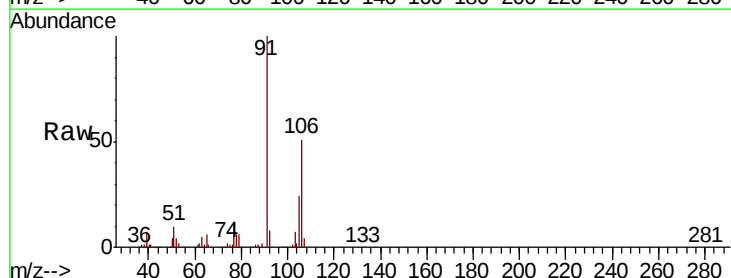
Instrument :
MSVOA_W
ClientSampleId :

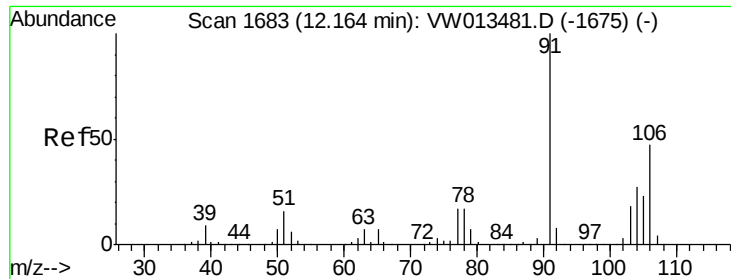
Tot Ion: 91 Resp: 276251
Ion Ratio Lower Upper
91 100
106 31.6 24.8 37.2



#68
m/p-Xylenes
Concen: 42.098 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW013487.D
Acq: 08 Oct 2019 15:27

Tgt Ion: 106 Resp: 211082
Ion Ratio Lower Upper
106 100
91 199.8 156.2 234.4

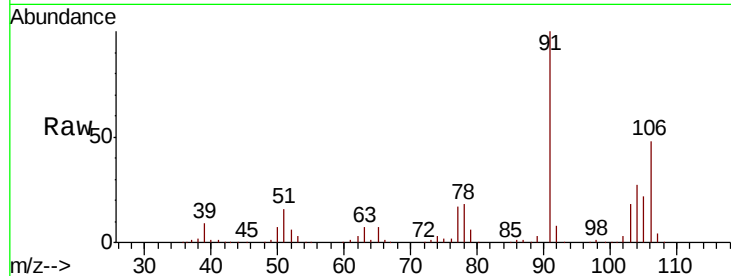




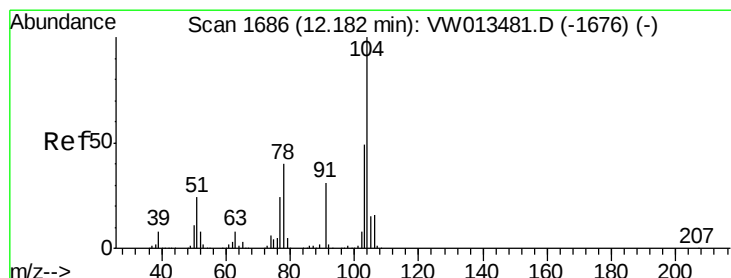
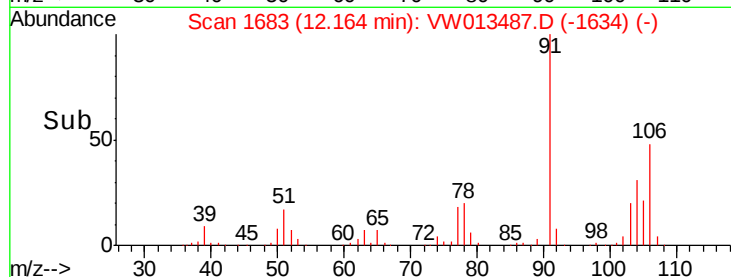
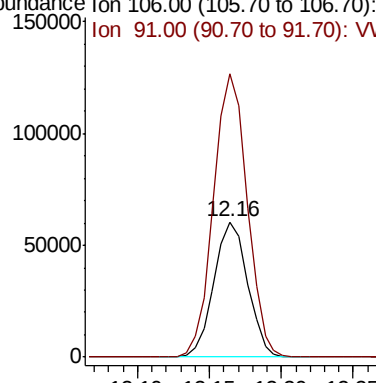
#69
o-Xylene
Concen: 21.171 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW013487.D
Acq: 08 Oct 2019 15:27

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:106 Resp: 98073
Ion Ratio Lower Upper
106 100
91 209.4 105.0 315.0

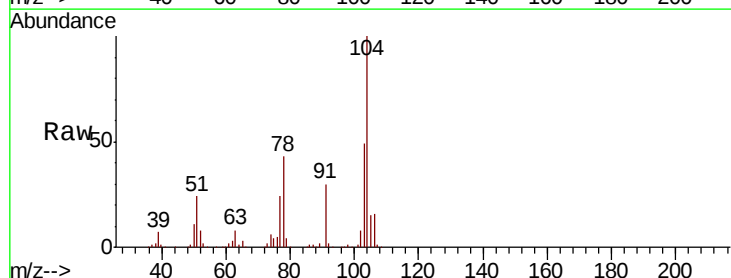


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV

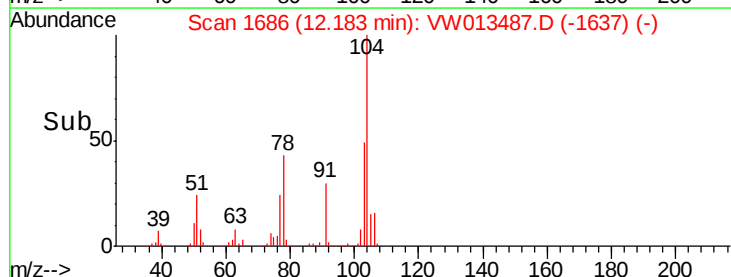
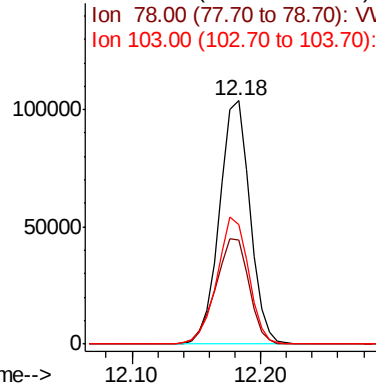


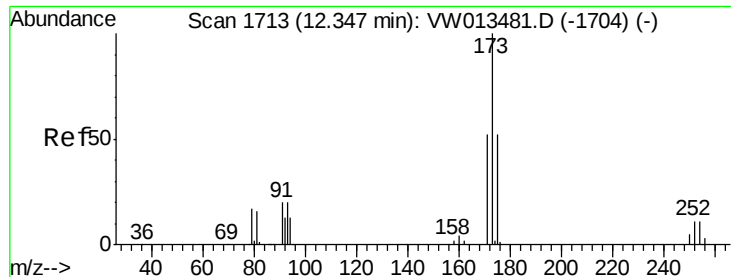
#70
Styrene
Concen: 21.312 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW013487.D
Acq: 08 Oct 2019 15:27

Tgt Ion:104 Resp: 169512
Ion Ratio Lower Upper
104 100
78 47.7 37.1 55.7
103 54.2 43.2 64.8



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VV
Ion 103.00 (102.70 to 103.70): V

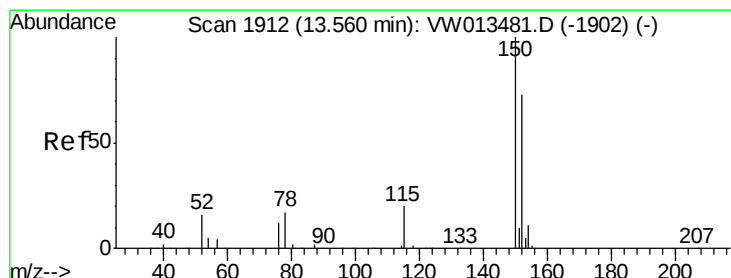
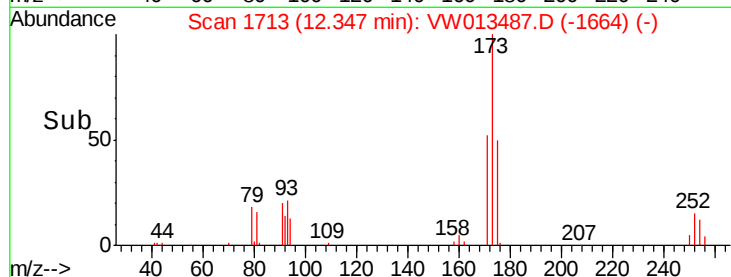
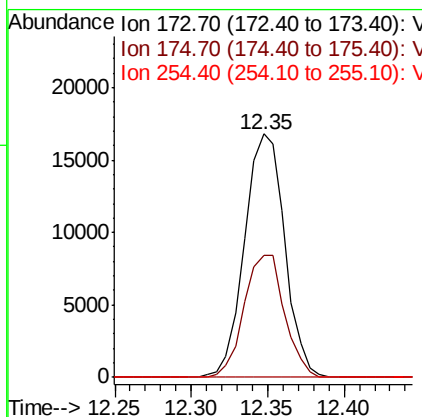
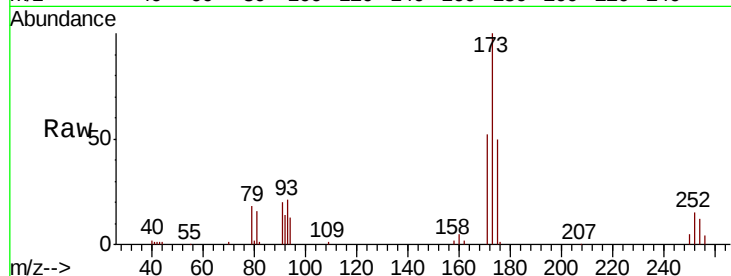




#71
Bromoform
Concen: 22.325 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. 0.00 min
Lab File: VW013487.D
Acq: 08 Oct 2019 15:27

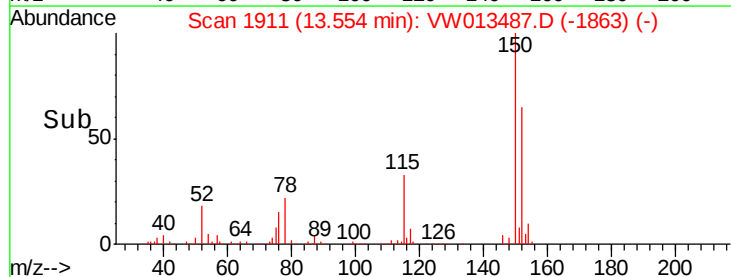
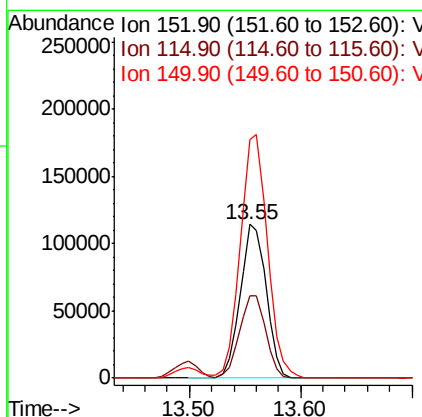
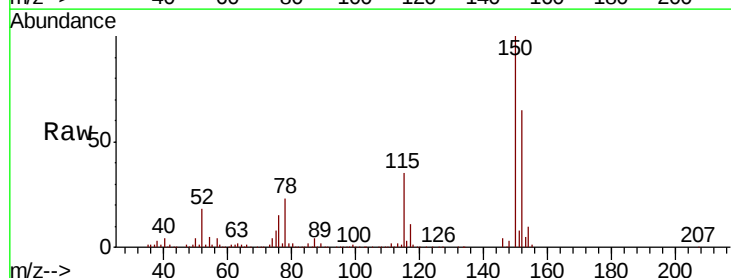
Instrument :
MSVOA_W
ClientSampleId :

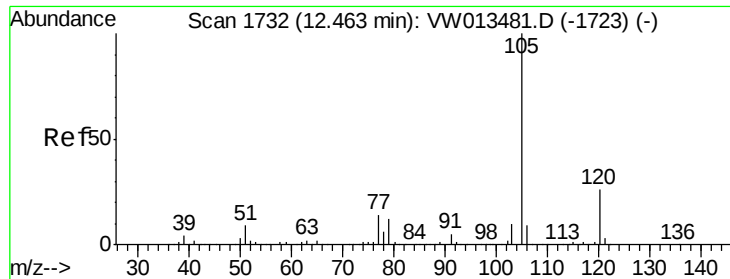
Tot Ion:173 Resp: 30677
Ion Ratio Lower Upper
173 100
175 50.6 24.4 73.4
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.55 min Scan# 1911
Delta R.T. -0.01 min
Lab File: VW013487.D
Acq: 08 Oct 2019 15:27

Tgt Ion:152 Resp: 185272
Ion Ratio Lower Upper
152 100
115 54.5 27.0 81.0
150 165.0 0.0 337.4





#73

Isopropylbenzene

Concen: 20.688 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW013487.D

Acq: 08 Oct 2019 15:27

Instrument :

MSVOA_W

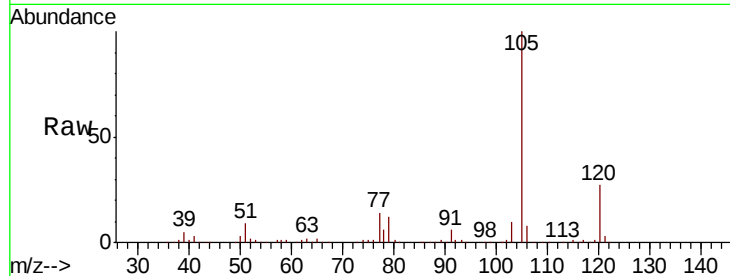
ClientSampleId :

Tot Ion:105 Resp: 274547

Ion Ratio Lower Upper

105 100

120 26.6 13.5 40.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

200000

150000

100000

50000

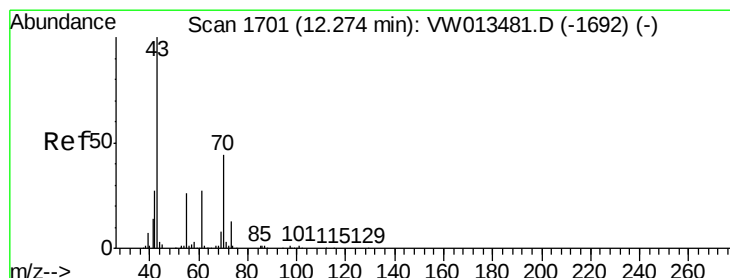
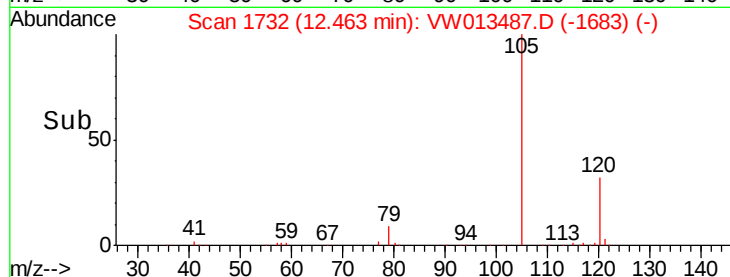
0

12.46

12.40

12.50

Time-->



#74

N-ethyl acetate

Concen: 22.833 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW013487.D

Acq: 08 Oct 2019 15:27

Tgt Ion: 43 Resp: 66273

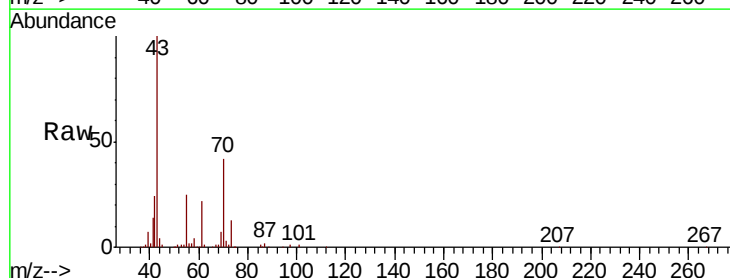
Ion Ratio Lower Upper

43 100

70 44.5 35.3 52.9

55 24.3 20.0 30.0

61 24.8 21.2 31.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW

60000

40000

20000

0

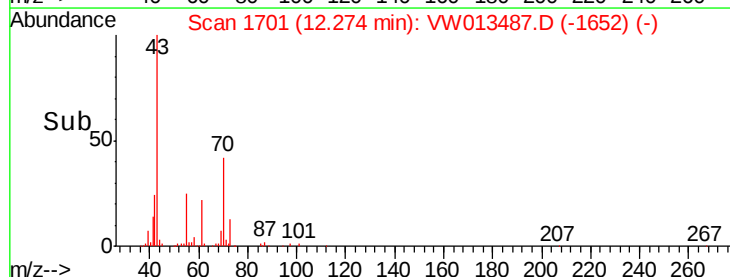
12.27

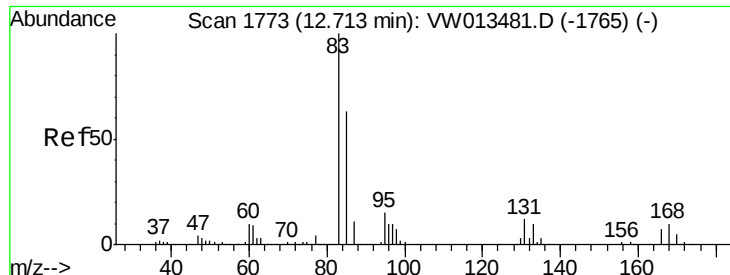
12.20

12.30

12.40

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 22.777 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW013487.D

Acq: 08 Oct 2019 15:27

Instrument :

MSVOA_W

ClientSampleId :

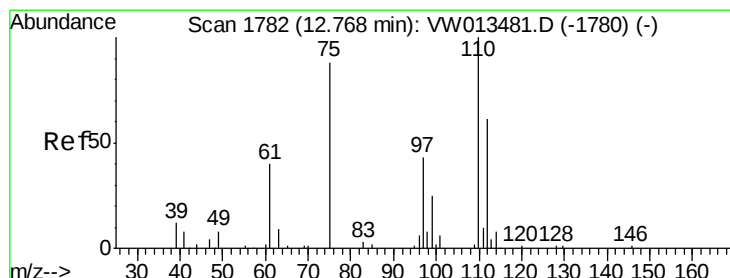
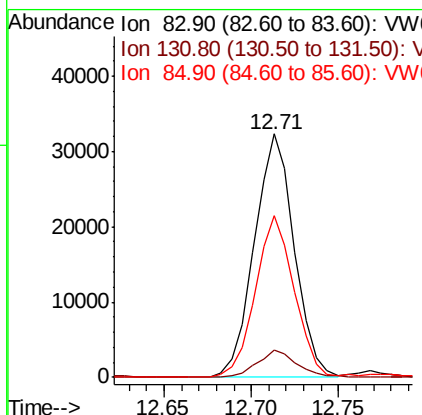
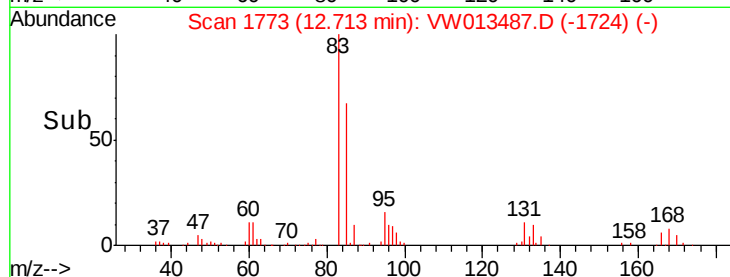
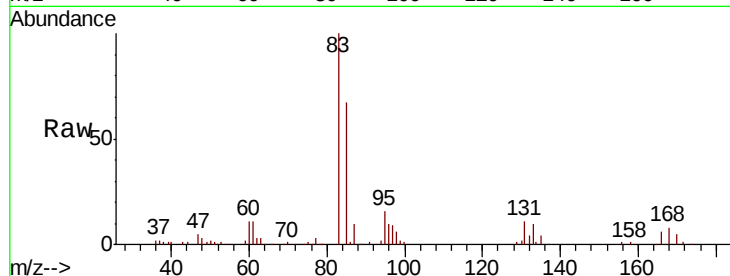
Tot Ion: 83 Resp: 51522

Ion Ratio Lower Upper

83 100

131 11.1 5.9 17.7

85 64.7 32.5 97.4



#76

1,2,3-Trichloropropane

Concen: 42.296 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW013487.D

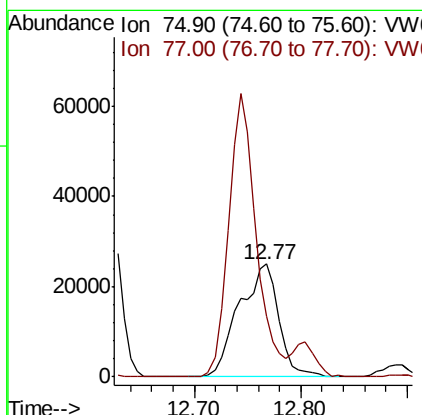
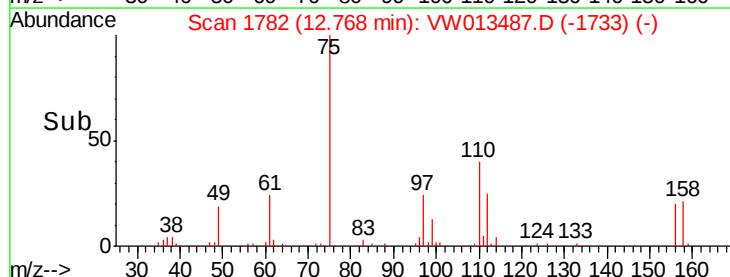
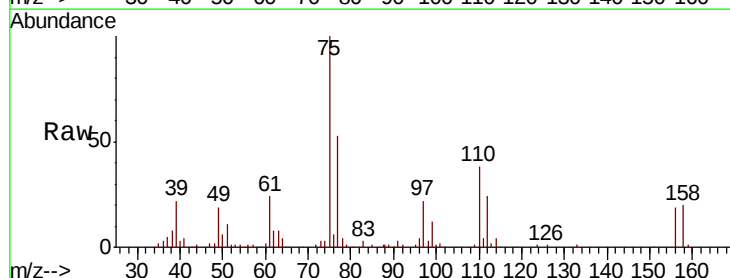
Acq: 08 Oct 2019 15:27

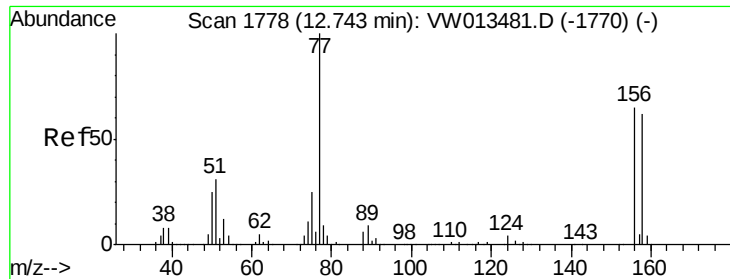
Tgt Ion: 75 Resp: 65265

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 20.721 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VW013487.D

Acq: 08 Oct 2019 15:27

Instrument :

MSVOA_W

ClientSampled :

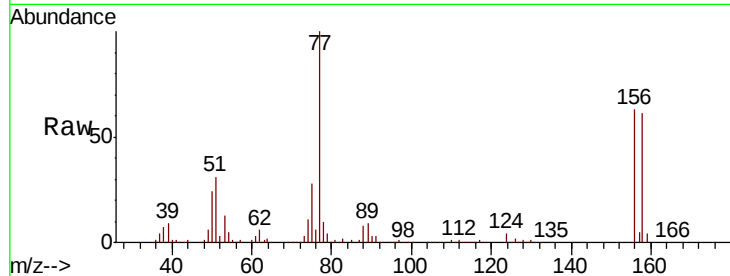
Tot Ion:156 Resp: 65183

Ion Ratio Lower Upper

156 100

77 174.7 83.7 251.0

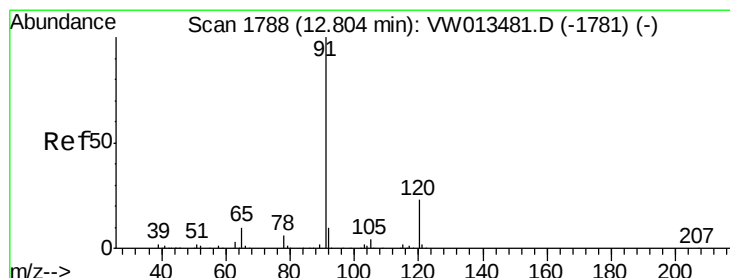
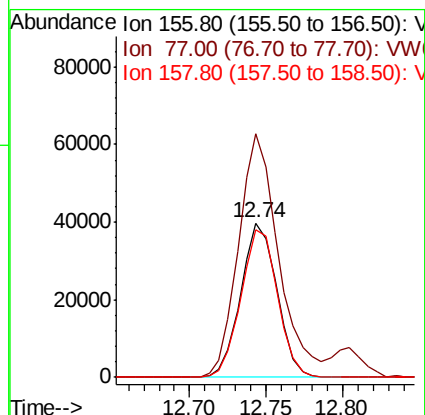
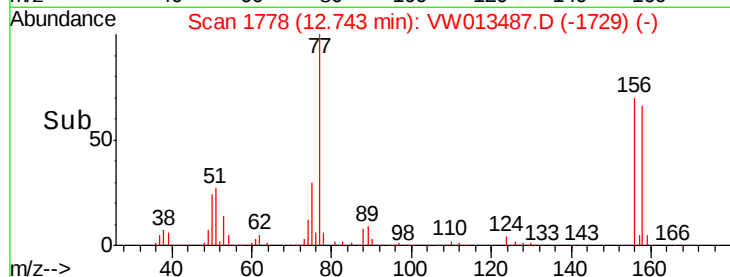
158 97.0 49.0 147.0



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.983 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW013487.D

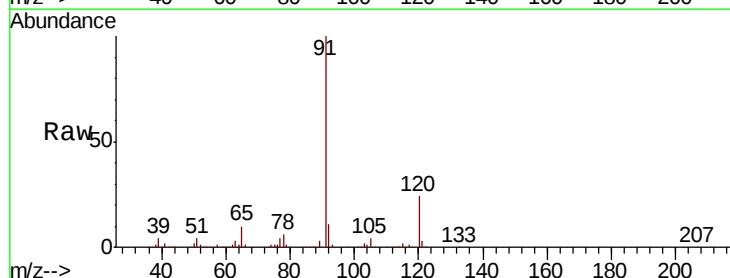
Acq: 08 Oct 2019 15:27

Tgt Ion: 91 Resp: 322002

Ion Ratio Lower Upper

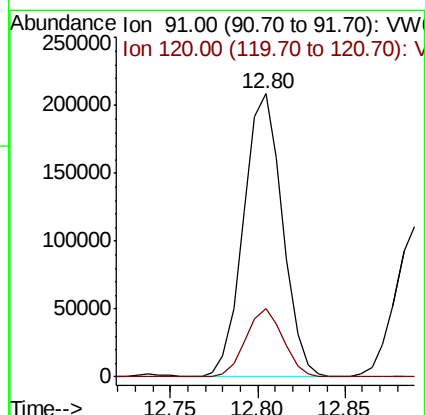
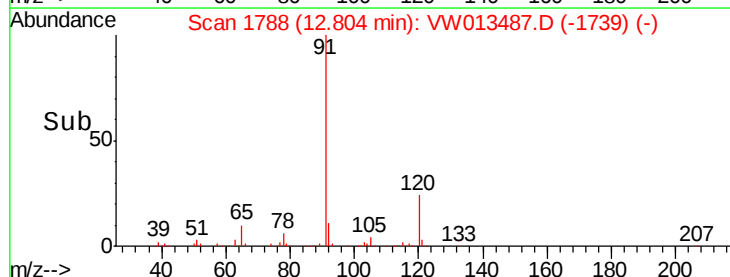
91 100

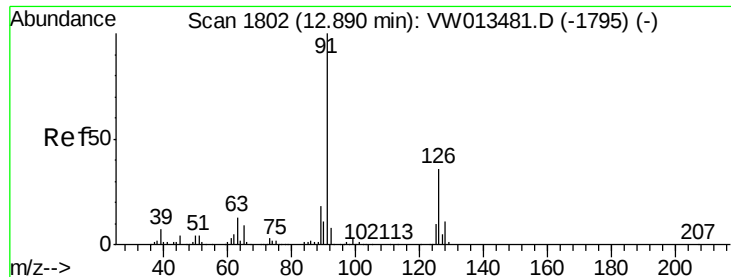
120 23.2 11.7 35.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.027 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VW013487.D

Acq: 08 Oct 2019 15:27

Instrument :

MSVOA_W

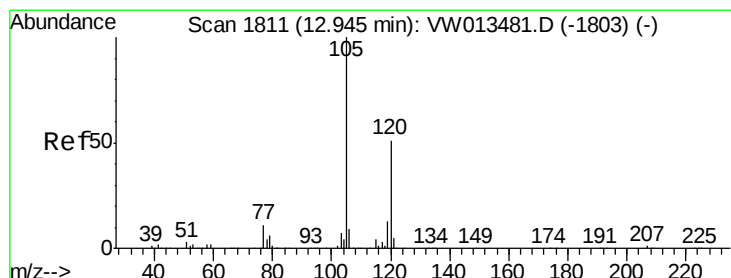
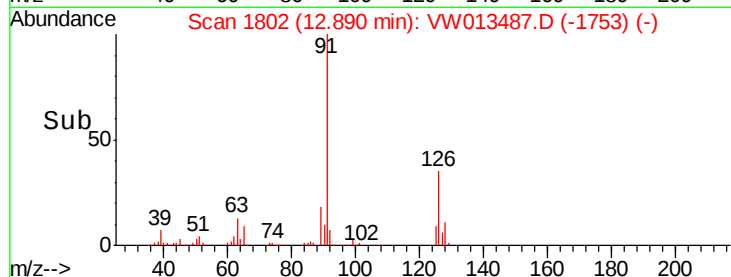
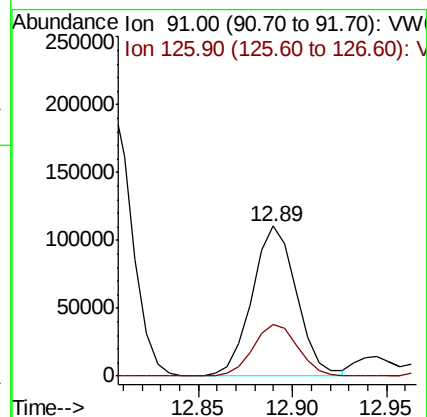
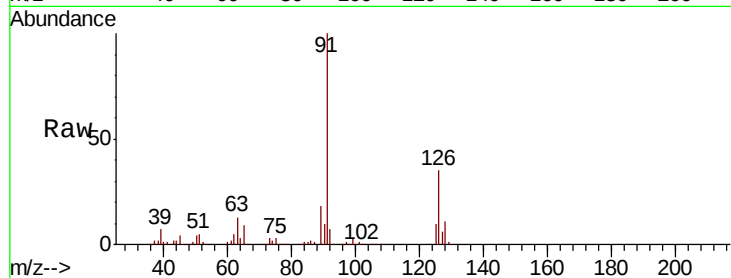
ClientSampleId :

Tot Ion: 91 Resp: 180790

Ion Ratio Lower Upper

91 100

126 34.4 17.8 53.4



#80

1,3,5-Trimethylbenzene

Concen: 20.646 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW013487.D

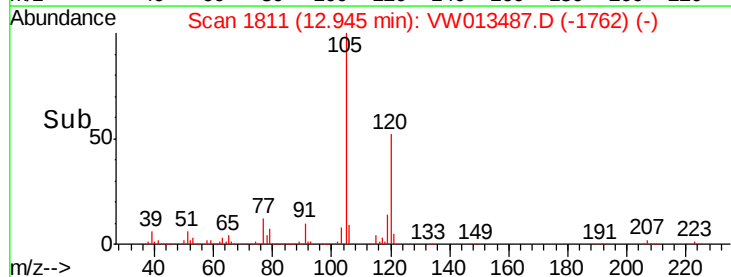
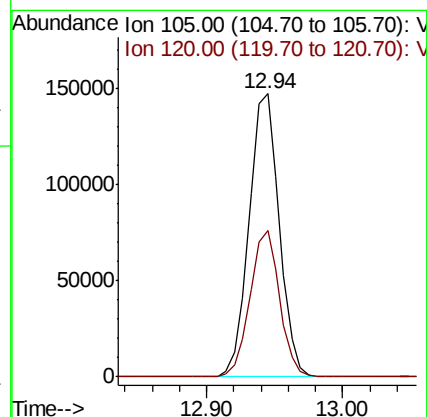
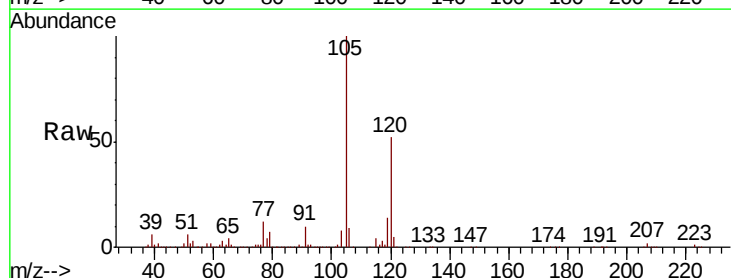
Acq: 08 Oct 2019 15:27

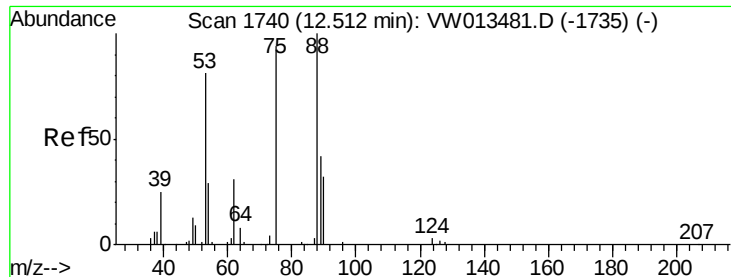
Tgt Ion:105 Resp: 227655

Ion Ratio Lower Upper

105 100

120 51.0 25.4 76.0





#81

trans-1,4-Dichloro-2-butene

Concen: 21.824 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW013487.D

Acq: 08 Oct 2019 15:27

Instrument :

MSVOA_W

ClientSampleId :

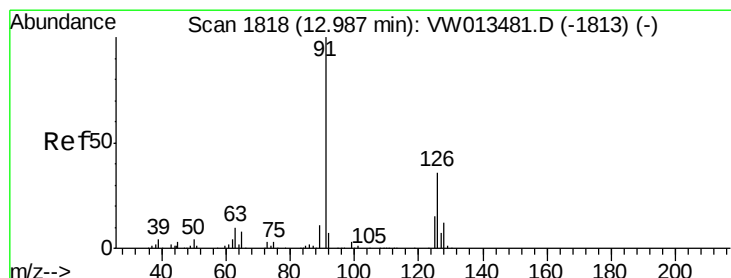
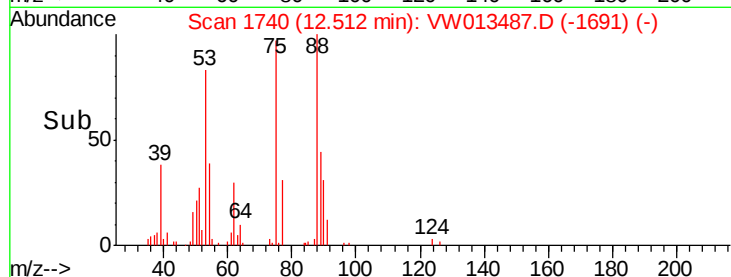
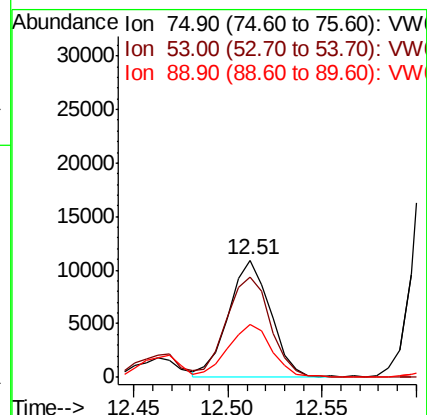
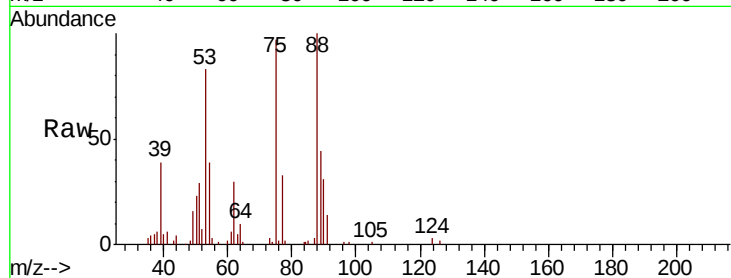
Tot Ion: 75 Resp: 16474

Ion Ratio Lower Upper

75 100

53 92.2 71.0 106.6

89 48.3 36.1 54.1



#82

4-Chlorotoluene

Concen: 20.835 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. 0.00 min

Lab File: VW013487.D

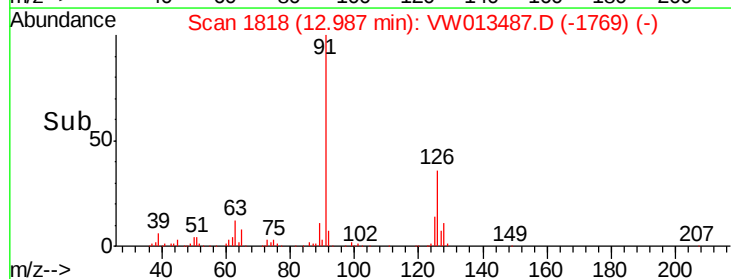
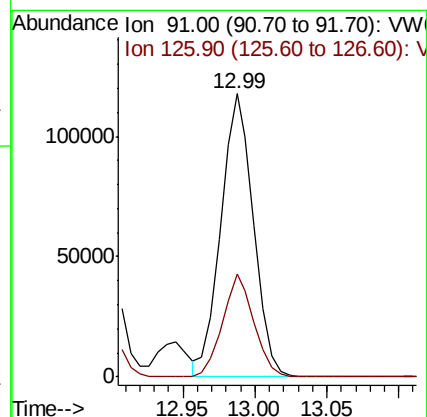
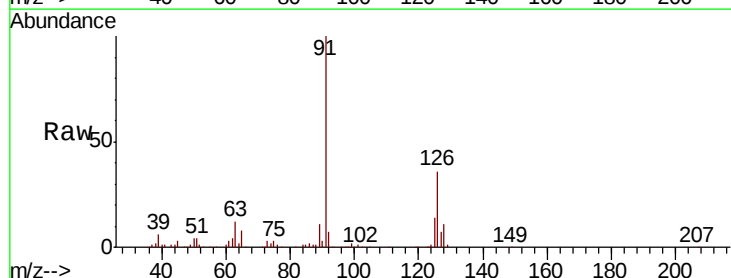
Acq: 08 Oct 2019 15:27

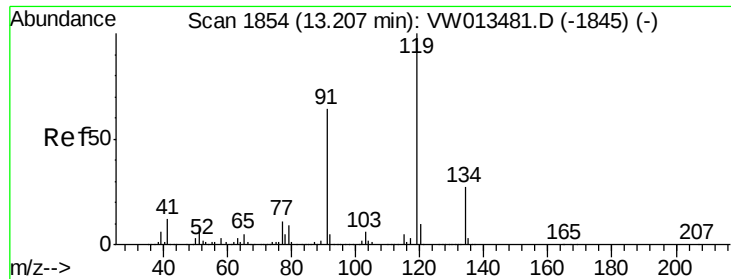
Tgt Ion: 91 Resp: 185925

Ion Ratio Lower Upper

91 100

126 34.9 17.5 52.6

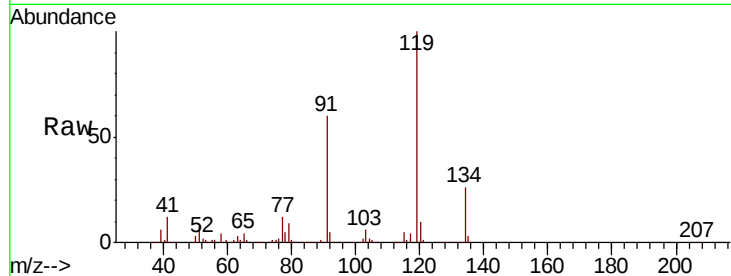




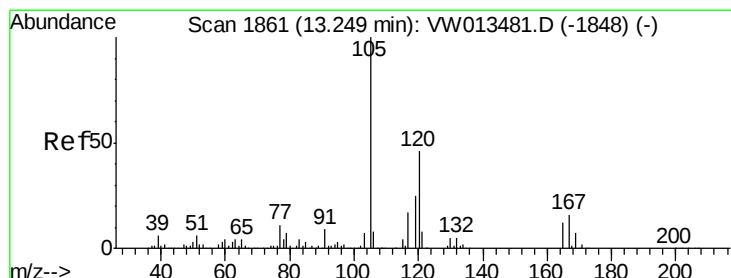
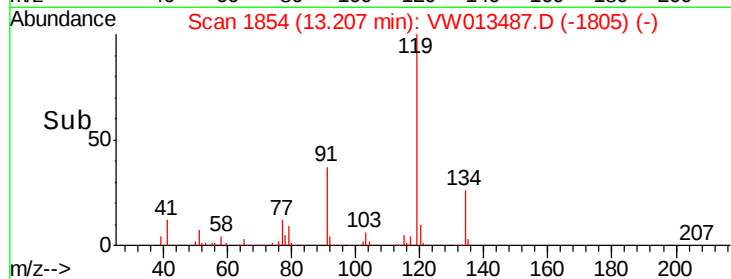
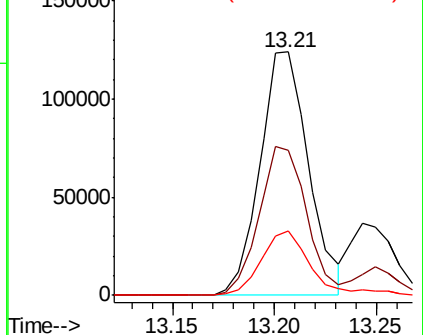
#83
tert-Butylbenzene
Concen: 21.039 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW013487.D
Acq: 08 Oct 2019 15:27

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:119 Resp: 206026
Ion Ratio Lower Upper
119 100
91 59.6 30.6 91.6
134 27.3 13.8 41.3

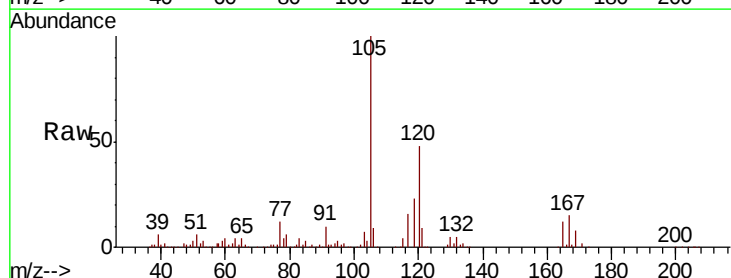


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

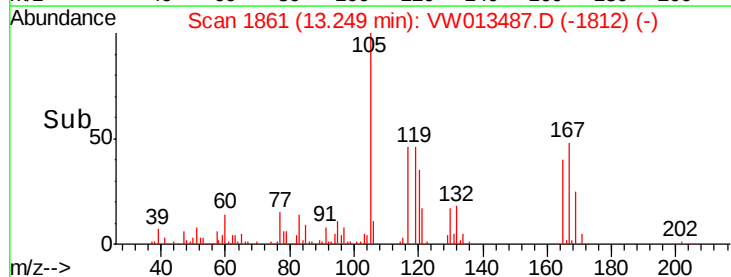
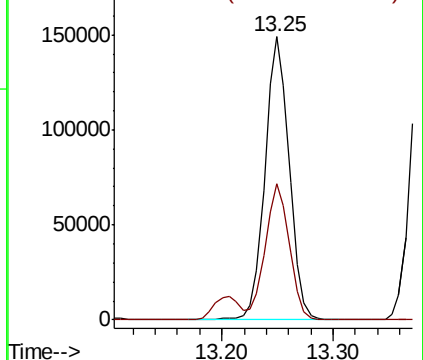


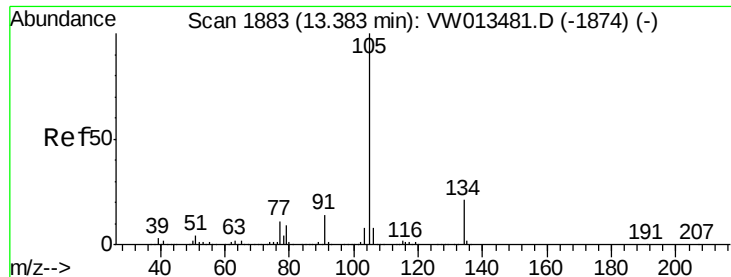
#84
1,2,4-Trimethylbenzene
Concen: 20.768 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VW013487.D
Acq: 08 Oct 2019 15:27

Tgt Ion:105 Resp: 226487
Ion Ratio Lower Upper
105 100
120 48.3 23.2 69.5



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





#85

sec-Butylbenzene

Concen: 21.174 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW013487.D

Acq: 08 Oct 2019 15:27

Instrument :

MSVOA_W

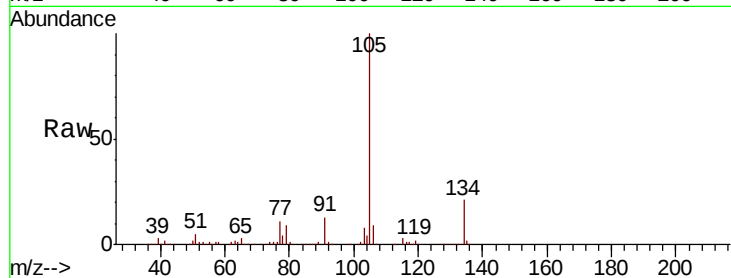
ClientSampleId :

Tot Ion:105 Resp: 286506

Ion Ratio Lower Upper

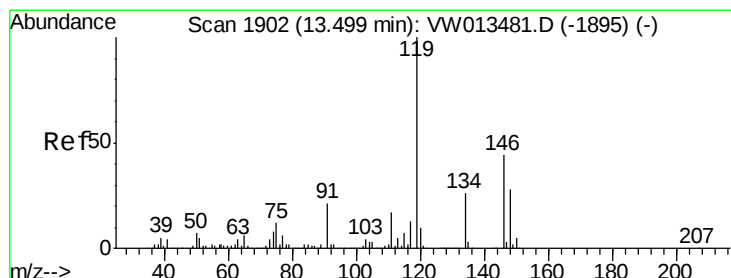
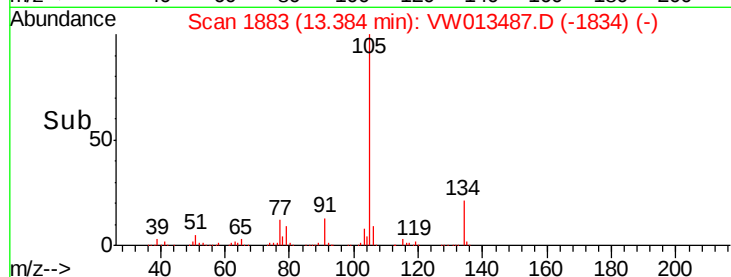
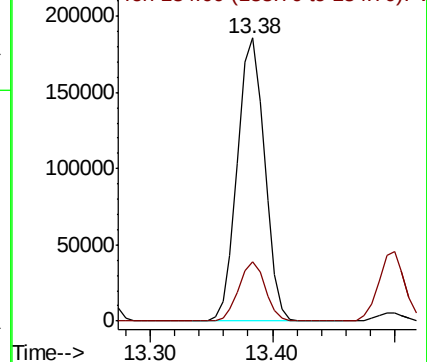
105 100

134 20.4 10.4 31.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 21.119 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW013487.D

Acq: 08 Oct 2019 15:27

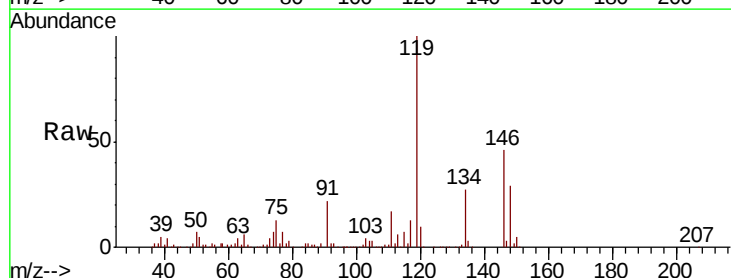
Tgt Ion:119 Resp: 262546

Ion Ratio Lower Upper

119 100

134 26.2 13.1 39.1

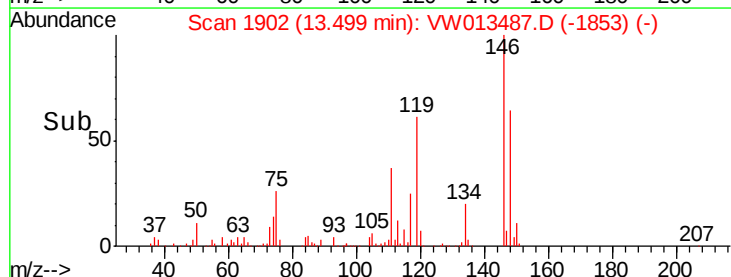
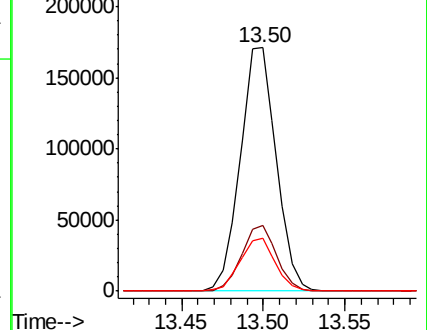
91 21.5 10.8 32.3

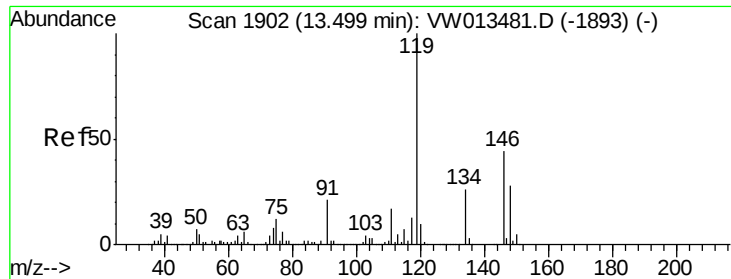


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

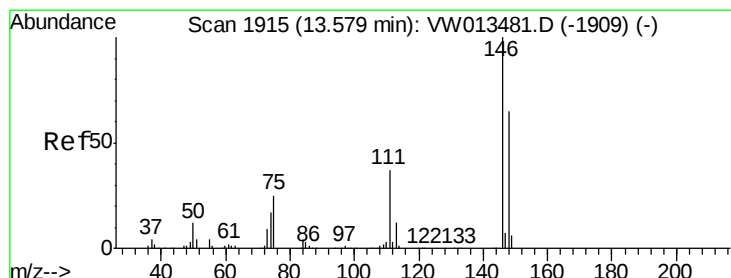
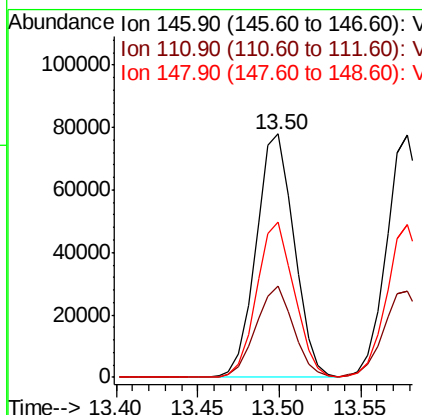
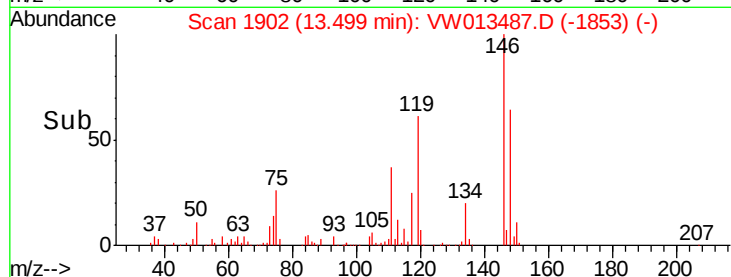
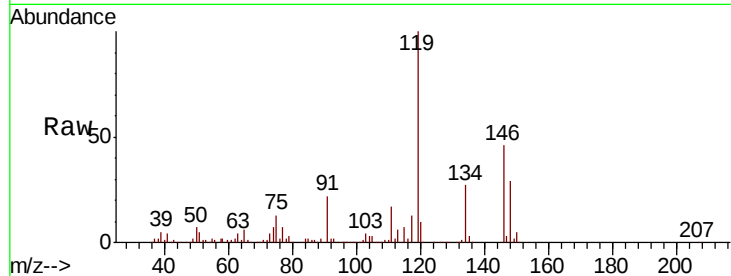




#87
 1,3-Dichlorobenzene
 Concen: 21.088 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW013487.D
 Acq: 08 Oct 2019 15:27

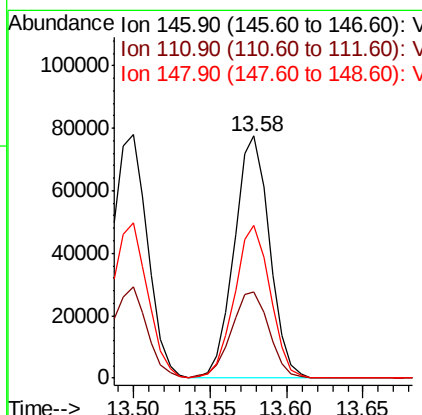
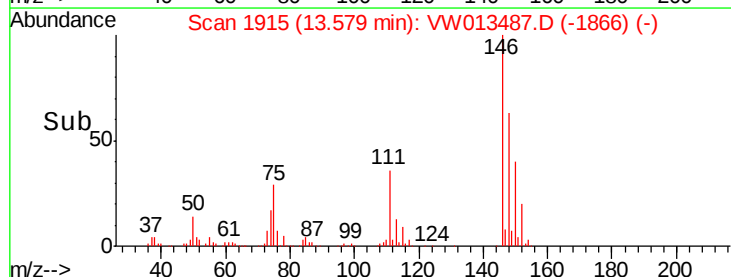
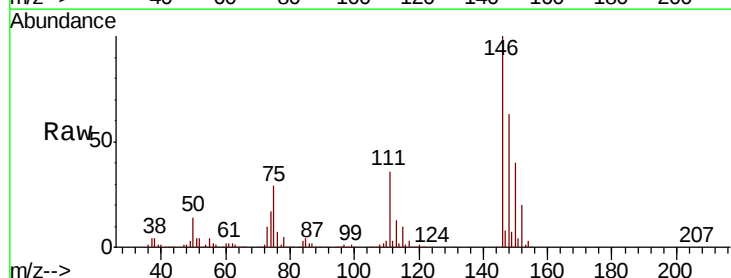
Instrument :
 MSVOA_W
 ClientSampled :

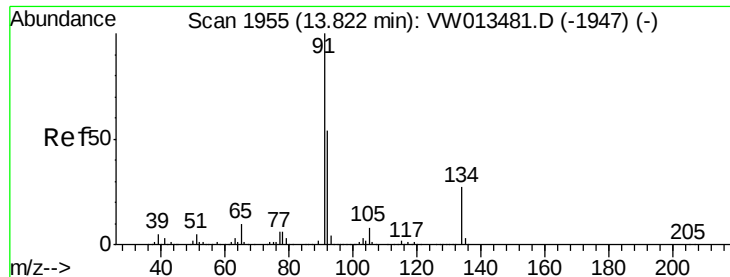
Tot Ion:146 Resp: 125783
 Ion Ratio Lower Upper
 146 100
 111 37.1 18.7 56.1
 148 63.0 32.3 96.8



#88
 1,4-Dichlorobenzene
 Concen: 21.233 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW013487.D
 Acq: 08 Oct 2019 15:27

Tgt Ion:146 Resp: 124068
 Ion Ratio Lower Upper
 146 100
 111 38.3 18.4 55.4
 148 64.1 32.0 96.2





#89

n-Butylbenzene

Concen: 21.008 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW013487.D

Acq: 08 Oct 2019 15:27

Instrument :

MSVOA_W

ClientSampleId :

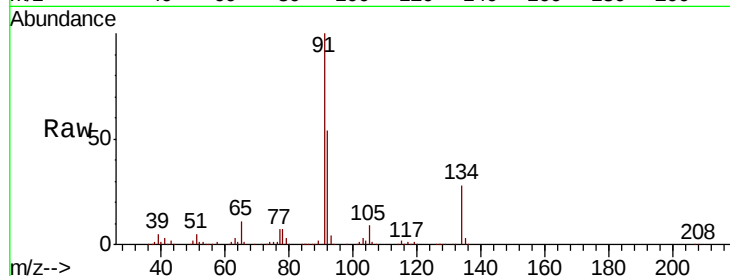
Tot Ion: 91 Resp: 235930

Ion Ratio Lower Upper

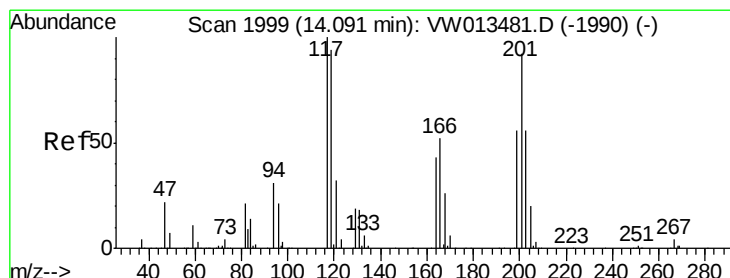
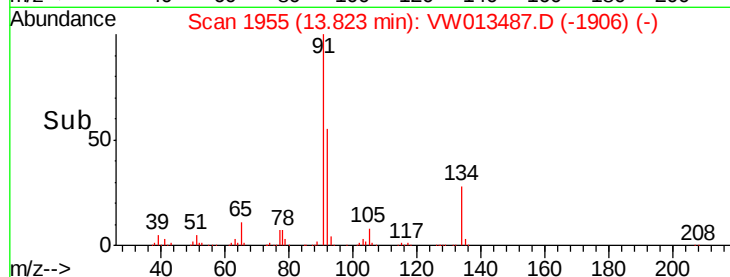
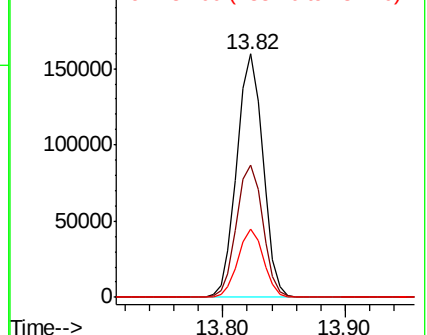
91 100

92 55.0 27.5 82.4

134 27.5 13.8 41.3



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



#90

Hexachloroethane

Concen: 21.068 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. 0.00 min

Lab File: VW013487.D

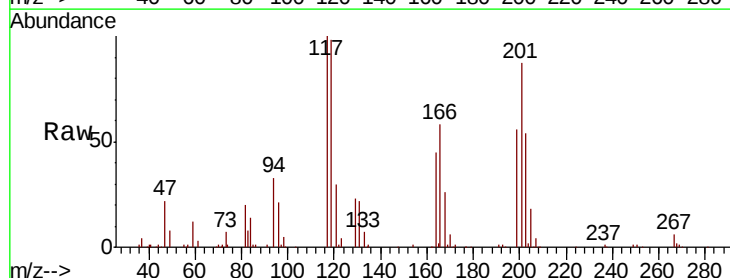
Acq: 08 Oct 2019 15:27

Tgt Ion: 117 Resp: 44815

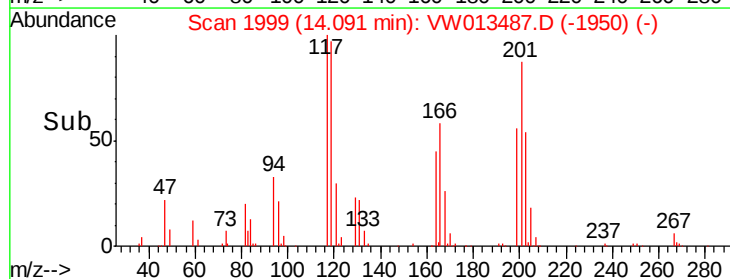
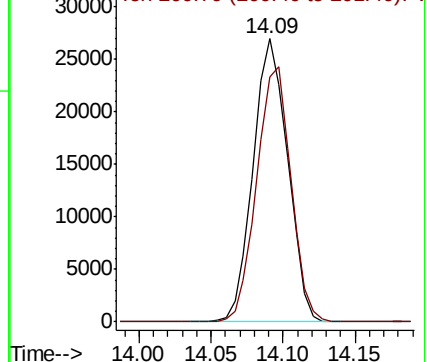
Ion Ratio Lower Upper

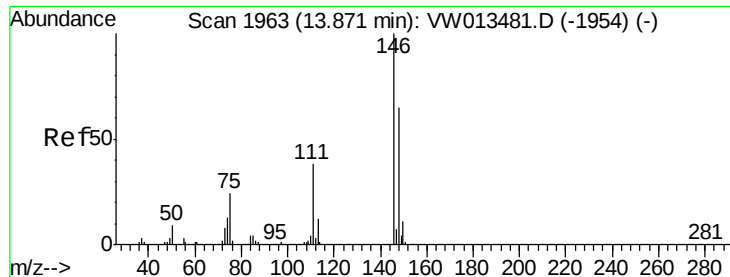
117 100

201 89.2 46.9 140.7



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





#91

1,2-Dichlorobenzene

Concen: 21.607 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VW013487.D

Acq: 08 Oct 2019 15:27

Instrument :

MSVOA_W

ClientSampleId :

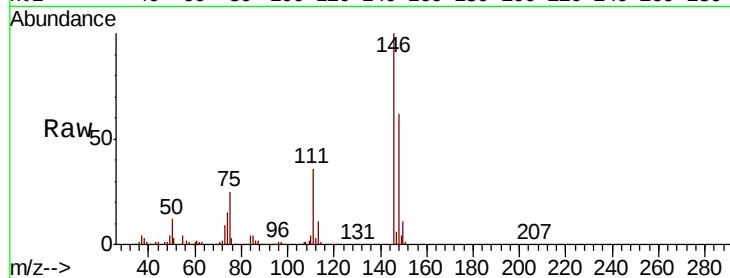
Tot Ion:146 Resp: 113791

Ion Ratio Lower Upper

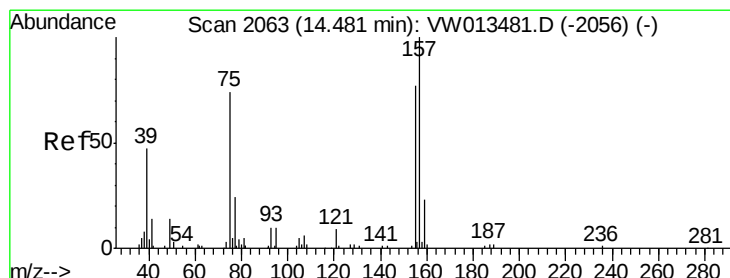
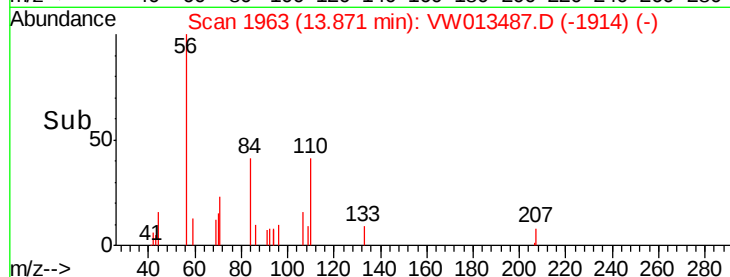
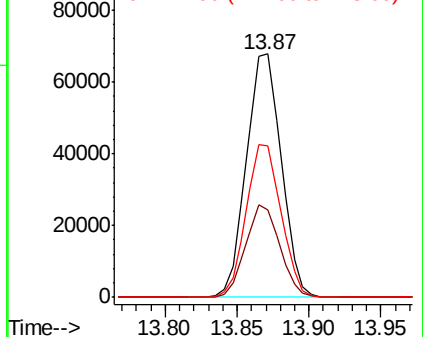
146 100

111 37.3 19.4 58.2

148 62.7 31.8 95.3



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: 22.919 ug/l

RT: 14.48 min Scan# 2063

Delta R.T. 0.00 min

Lab File: VW013487.D

Acq: 08 Oct 2019 15:27

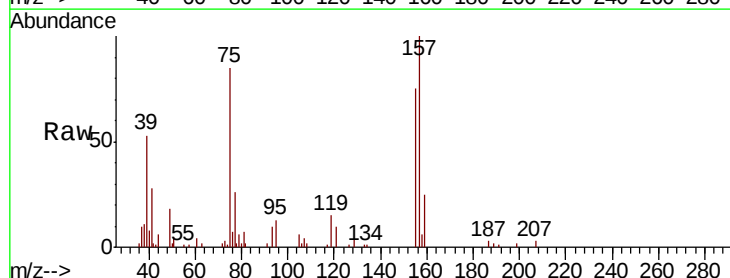
Tgt Ion: 75 Resp: 8265

Ion Ratio Lower Upper

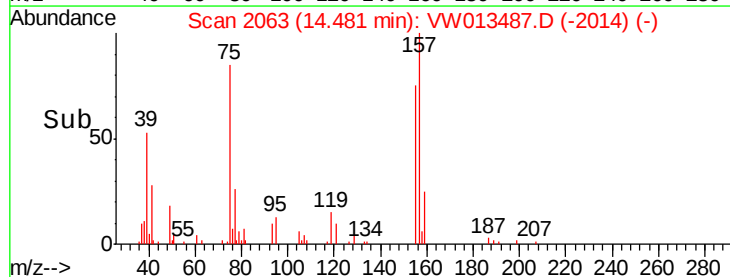
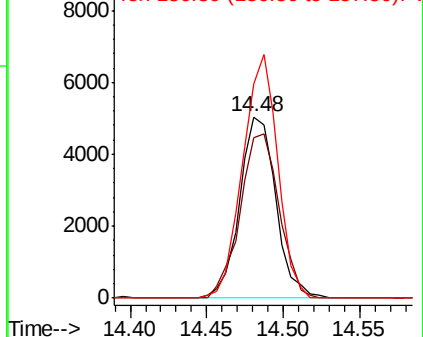
75 100

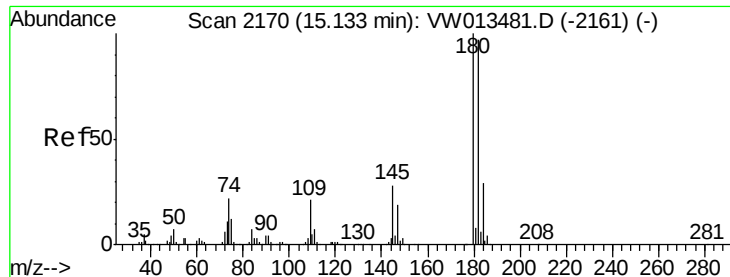
155 97.9 51.0 153.1

157 129.8 65.9 197.7



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

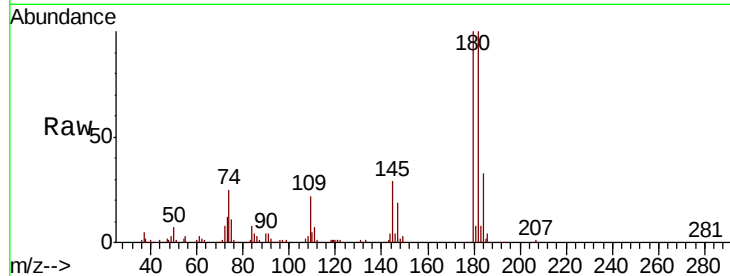




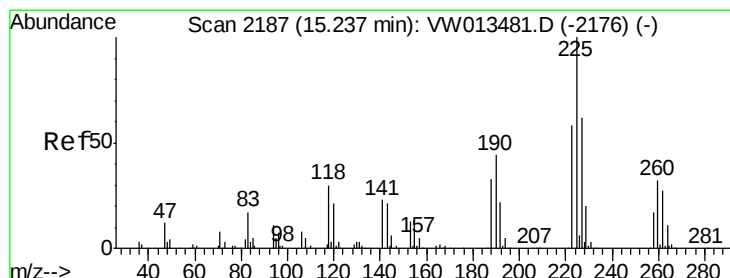
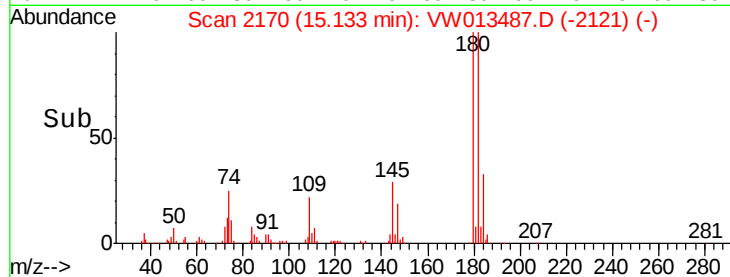
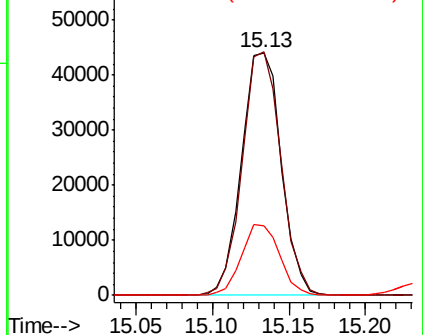
#93
 1,2,4-Trichlorobenzene
 Concen: 21.323 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW013487.D
 Acq: 08 Oct 2019 15:27

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:180 Resp: 79362
 Ion Ratio Lower Upper
 180 100
 182 97.8 47.7 143.1
 145 28.2 14.0 41.9

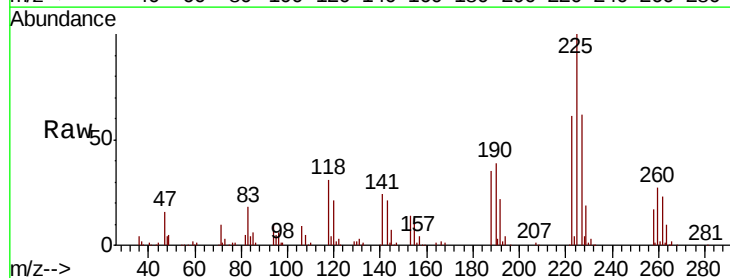


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

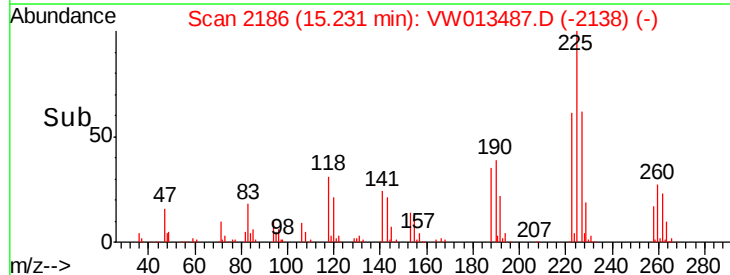
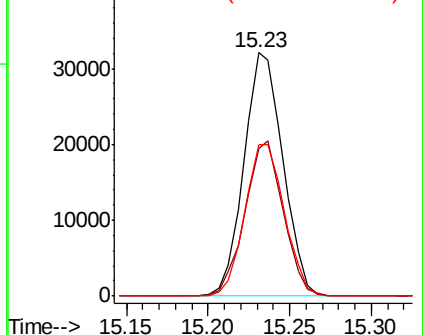


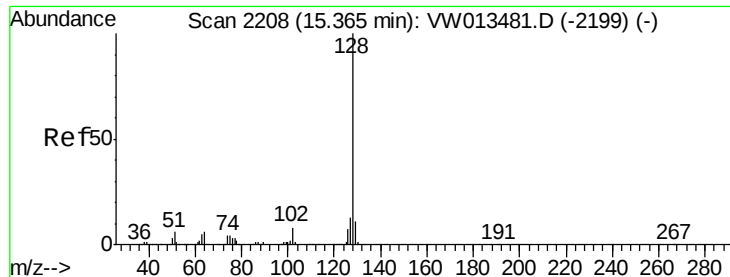
#94
 Hexachlorobutadiene
 Concen: 21.626 ug/l
 RT: 15.23 min Scan# 2186
 Delta R.T. -0.01 min
 Lab File: VW013487.D
 Acq: 08 Oct 2019 15:27

Tgt Ion:225 Resp: 53490
 Ion Ratio Lower Upper
 225 100
 223 62.3 30.3 90.9
 227 63.2 32.0 96.0



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

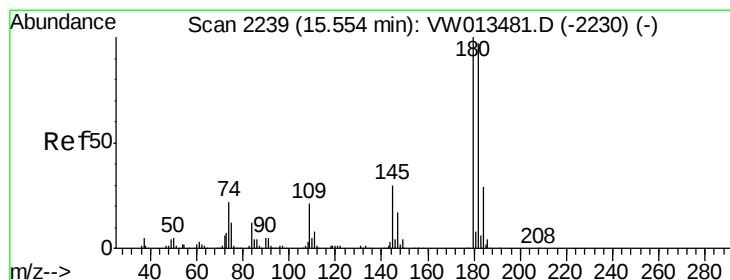
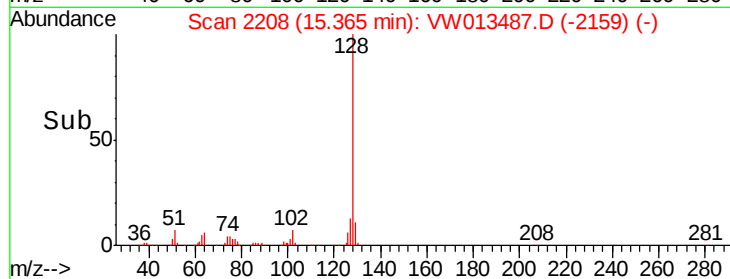
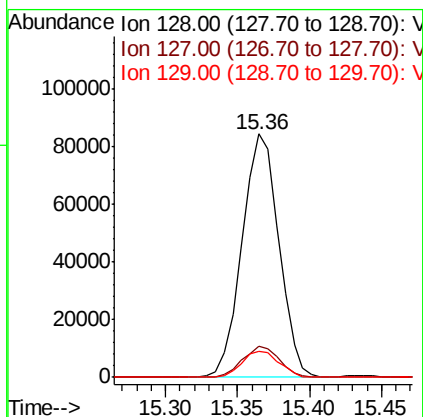
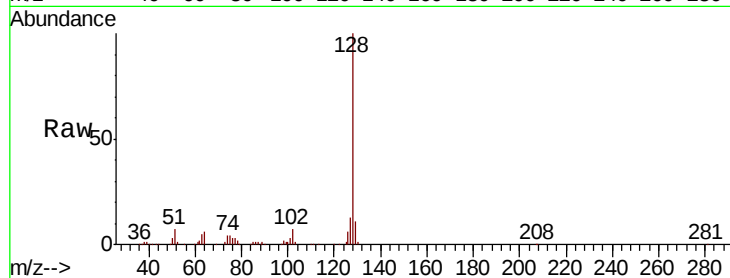




#95
Naphthalene
Concen: 23.286 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW013487.D
Acq: 08 Oct 2019 15:27

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:128 Resp: 149918
Ion Ratio Lower Upper
128 100
127 12.8 10.6 16.0
129 11.0 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 21.813 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VW013487.D
Acq: 08 Oct 2019 15:27

Tgt Ion:180 Resp: 70994
Ion Ratio Lower Upper
180 100
182 93.0 47.7 143.1
145 29.5 14.9 44.9

