

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW100819\
 Data File : VW013490.D
 Acq On : 08 Oct 2019 16:45
 Operator : SY/VA
 Sample : K5111-02 5PPBL00
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Oct 09 05:47:01 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W100819S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 09 05:37:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	343213	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	495753	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	432455	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	218988	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	132116	49.82	ug/l	0.00
Spiked Amount			Recovery	=	99.64%	
35) Dibromofluoromethane	7.88	113	135893	49.08	ug/l	0.00
Spiked Amount			Recovery	=	98.16%	
50) Toluene-d8	10.32	98	563976	48.47	ug/l	0.00
Spiked Amount			Recovery	=	96.94%	
62) 4-Bromofluorobenzene	12.62	95	191635	49.02	ug/l	0.00
Spiked Amount			Recovery	=	98.04%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	6488	5.707	ug/l	98
3) Chloromethane	2.20	50	12575	6.293	ug/l	90
4) Vinyl Chloride	2.36	62	16017	5.434	ug/l	98
5) Bromomethane	2.77	94	10183	5.790	ug/l	100
6) Chloroethane	2.92	64	9043	5.463	ug/l #	86
7) Trichlorofluoromethane	3.25	101	6870	4.926	ug/l	98
8) Diethyl Ether	3.68	74	8394	5.815	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.06	101	15455	5.377	ug/l	98
10) Methyl Iodide	4.27	142	25136	5.523	ug/l	99
11) Tert butyl alcohol	5.18	59	994	4.430	ug/l #	22
12) 1,1-Dichloroethene	4.04	96	15999	5.371	ug/l	96
13) Acrolein	3.89	56	1479	6.842	ug/l	86
14) Allyl chloride	4.67	41	23464	5.126	ug/l	98
15) Acrylonitrile	5.36	53	16826	24.940	ug/l	99
16) Acetone	4.14	43	15120	24.503	ug/l	99
17) Carbon Disulfide	4.38	76	44594	5.333	ug/l	99
18) Methyl Acetate	4.68	43	10599	5.996	ug/l	100
19) Methyl tert-butyl Ether	5.43	73	24478	5.434	ug/l	99
20) Methylene Chloride	4.92	84	25709	7.568	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	16800	5.308	ug/l #	82
22) Diisopropyl ether	6.31	45	47911	5.586	ug/l	97
23) Vinyl Acetate	6.26	43	123220	23.930	ug/l	98
24) 1,1-Dichloroethane	6.22	63	29368	5.602	ug/l	98
25) 2-Butanone	7.17	43	23925	26.309	ug/l	94
26) 2,2-Dichloropropane	7.16	77	20756	6.142	ug/l	92
27) cis-1,2-Dichloroethene	7.17	96	18657	5.570	ug/l	92
28) Bromochloromethane	7.51	49	10043	5.372	ug/l #	100
29) Tetrahydrofuran	7.54	42	13882	24.976	ug/l	96
30) Chloroform	7.68	83	29453	5.808	ug/l	96
31) Cyclohexane	7.95	56	32960	5.940	ug/l #	79
32) 1,1,1-Trichloroethane	7.88	97	23112	5.607	ug/l	94
36) 1,1-Dichloropropene	8.08	75	23319	5.200	ug/l	97
37) Ethyl Acetate	7.25	43	11218	5.513	ug/l	99
38) Carbon Tetrachloride	8.07	117	21431	5.391	ug/l	96

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 QLast Update : Wed Oct 09 05:37:57 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.33	83	31188	5.368	ug/l	94
40) Benzene	8.32	78	68560	5.477	ug/l	100
41) Methacrylonitrile	7.49	41	5944	5.137	ug/l #	83
42) 1,2-Dichloroethane	8.40	62	17324	5.475	ug/l	96
43) Isopropyl Acetate	8.43	43	19576	5.325	ug/l	98
44) Trichloroethene	9.09	130	19300	5.404	ug/l	97
45) 1,2-Dichloropropane	9.37	63	16219	5.398	ug/l	91
46) Dibromomethane	9.46	93	8109	5.417	ug/l	98
47) Bromodichloromethane	9.65	83	20222	5.434	ug/l	98
48) Methyl methacrylate	9.43	41	8677	4.792	ug/l	97
49) 1,4-Dioxane	9.47	88	2644	100.593	ug/l #	95
51) 4-Methyl-2-Pentanone	10.21	43	50124	25.935	ug/l	99
52) Toluene	10.38	92	43256	5.364	ug/l	96
53) t-1,3-Dichloropropene	10.60	75	19743	5.106	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	25293	5.399	ug/l	95
55) 1,1,2-Trichloroethane	10.79	97	12434	5.534	ug/l	98
56) Ethyl methacrylate	10.65	69	14033	4.637	ug/l	94
57) 1,3-Dichloropropane	10.93	76	20896	5.416	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.92	63	33226	23.273	ug/l	98
59) 2-Hexanone	10.97	43	29920	22.576	ug/l	95
60) Dibromochloromethane	11.13	129	13816	5.347	ug/l	99
61) 1,2-Dibromoethane	11.24	107	11636	5.445	ug/l	94
64) Tetrachloroethene	10.87	164	17387	5.463	ug/l	93
65) Chlorobenzene	11.66	112	48451	5.638	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	15516	5.198	ug/l	99
67) Ethyl Benzene	11.73	91	84761	5.397	ug/l	99
68) m/p-Xylenes	11.84	106	63167	10.570	ug/l	98
69) o-Xylene	12.16	106	29212	5.291	ug/l	99
70) Styrene	12.18	104	49717	5.245	ug/l	99
71) Bromoform	12.35	173	8144	4.973	ug/l #	97
73) Isopropylbenzene	12.46	105	81027	5.165	ug/l	100
74) N-amyl acetate	12.27	43	16132	4.702	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	14088	5.269	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	17245	9.455	ug/l #	100
77) Bromobenzene	12.74	156	20017	5.384	ug/l	100
78) n-propylbenzene	12.80	91	93201	5.138	ug/l	98
79) 2-Chlorotoluene	12.89	91	53864	5.300	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	68445	5.251	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.52	75	3932	4.407	ug/l	96
82) 4-Chlorotoluene	12.99	91	55719	5.283	ug/l	99
83) tert-Butylbenzene	13.21	119	60908	5.262	ug/l	97
84) 1,2,4-Trimethylbenzene	13.25	105	67605	5.245	ug/l	98
85) sec-Butylbenzene	13.38	105	83648	5.230	ug/l	99
86) p-Isopropyltoluene	13.50	119	76784	5.225	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	39720	5.634	ug/l	97
88) 1,4-Dichlorobenzene	13.58	146	38399	5.560	ug/l	95
89) n-Butylbenzene	13.82	91	68159	5.135	ug/l	99
90) Hexachloroethane	14.09	117	12894	5.128	ug/l	94
91) 1,2-Dichlorobenzene	13.87	146	32594	5.236	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.49	75	2194	5.147	ug/l	85

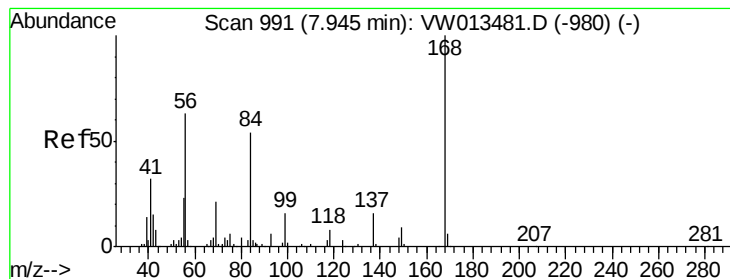
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW100819\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	22717	5.164	ug/l	99
94) Hexachlorobutadiene	15.24	225	15897	5.438	ug/l	96
95) Naphthalene	15.36	128	33963	4.463	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	19643	5.106	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW013490.D

Acq: 08 Oct 2019 16:45

Instrument :

MSVOA_W

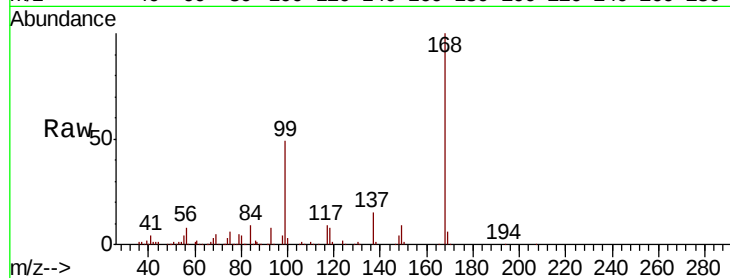
ClientSampleId :

Tot Ion:168 Resp: 343213

Ion Ratio Lower Upper

168 100

99 48.9 38.3 57.5



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

150000

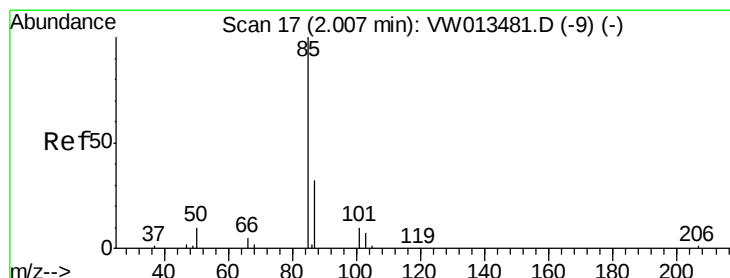
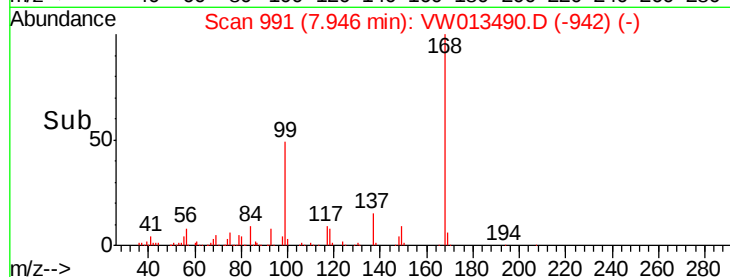
100000

50000

0

7.90 8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 5.707 ug/l

RT: 2.01 min Scan# 18

Delta R.T. 0.01 min

Lab File: VW013490.D

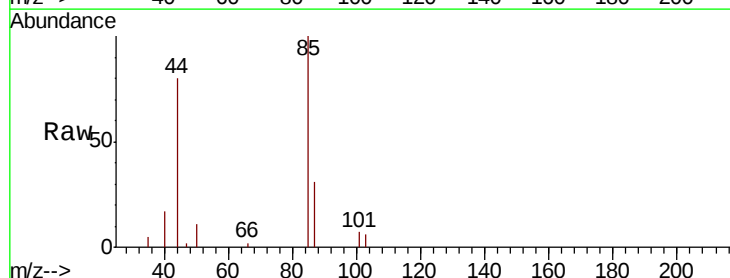
Acq: 08 Oct 2019 16:45

Tgt Ion: 85 Resp: 6488

Ion Ratio Lower Upper

85 100

87 30.5 15.8 47.3



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

3000

2500

2000

1500

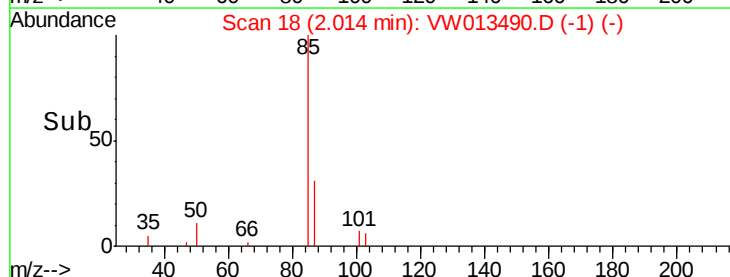
1000

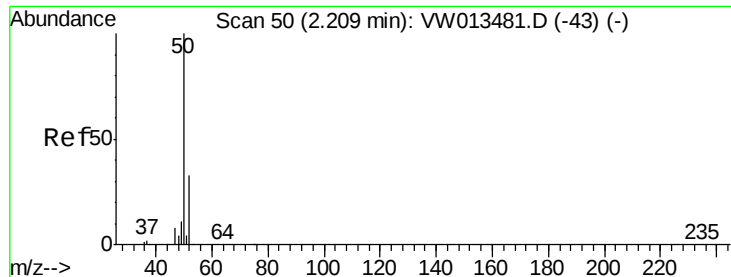
500

0

1.95 2.00 2.05 2.10

Time-->





#3

Chloromethane

Concen: 6.293 ug/l

RT: 2.20 min Scan# 49

Delta R.T. -0.01 min

Lab File: VW013490.D

Acq: 08 Oct 2019 16:45

Instrument :

MSVOA_W

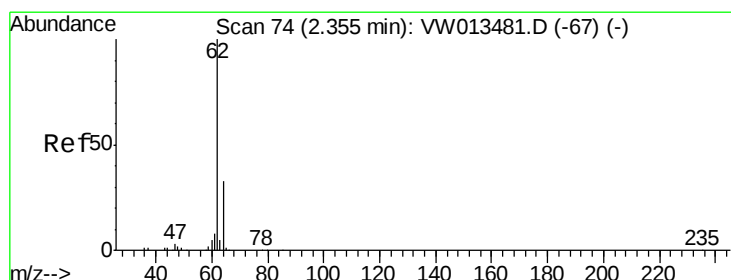
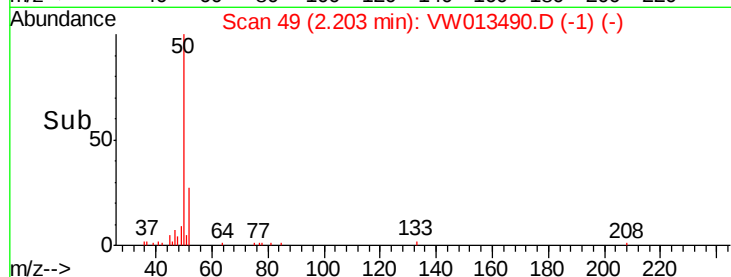
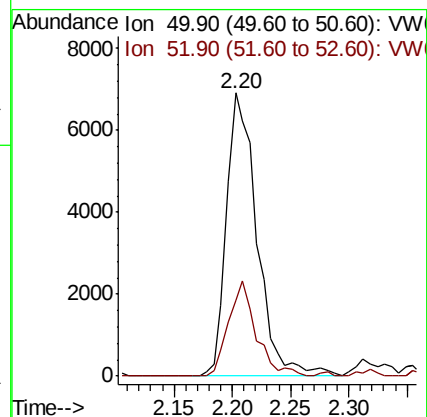
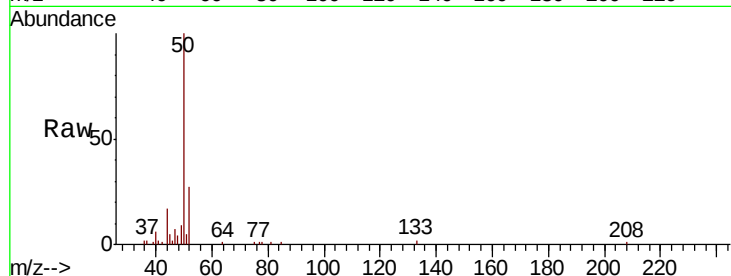
ClientSampleId :

Tot Ion: 50 Resp: 12575

Ion Ratio Lower Upper

50 100

52 26.9 26.0 39.0



#4

Vinyl Chloride

Concen: 5.434 ug/l

RT: 2.36 min Scan# 74

Delta R.T. 0.00 min

Lab File: VW013490.D

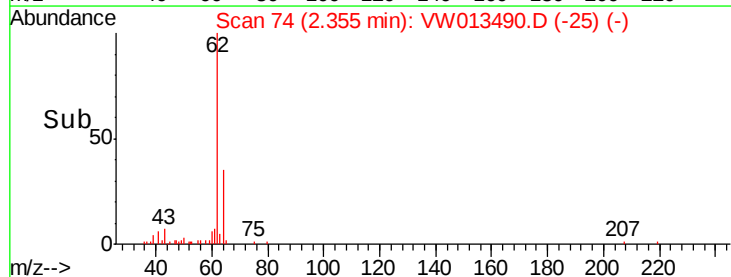
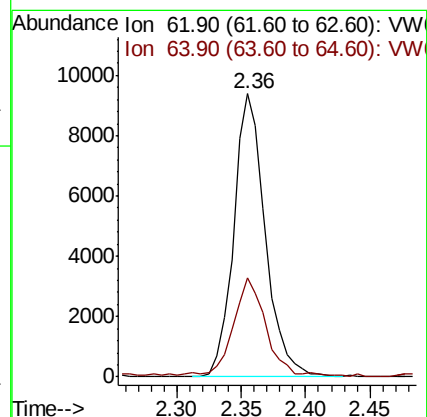
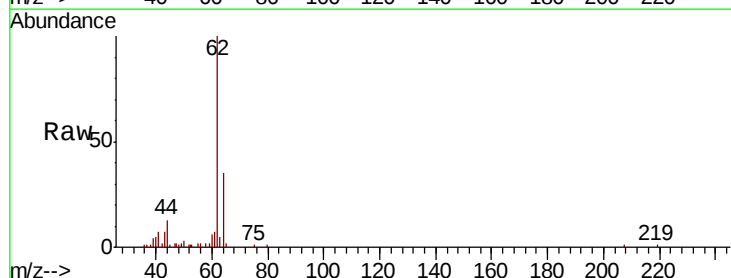
Acq: 08 Oct 2019 16:45

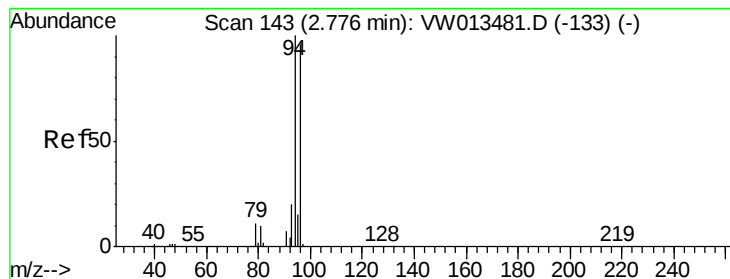
Tgt Ion: 62 Resp: 16017

Ion Ratio Lower Upper

62 100

64 34.1 26.6 39.8





#5

Bromomethane

Concen: 5.790 ug/l

RT: 2.77 min Scan# 142

Delta R.T. -0.01 min

Lab File: VW013490.D

Acq: 08 Oct 2019 16:45

Instrument :

MSVOA_W

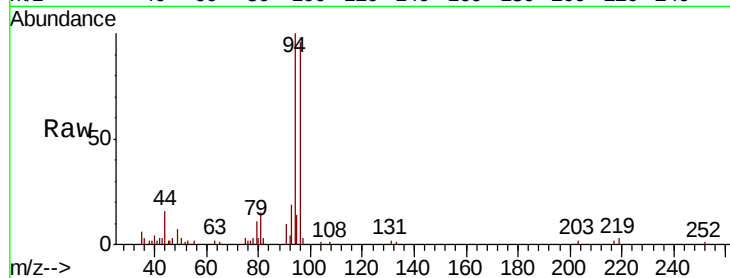
ClientSampled :

Tot Ion: 94 Resp: 10183

Ion Ratio Lower Upper

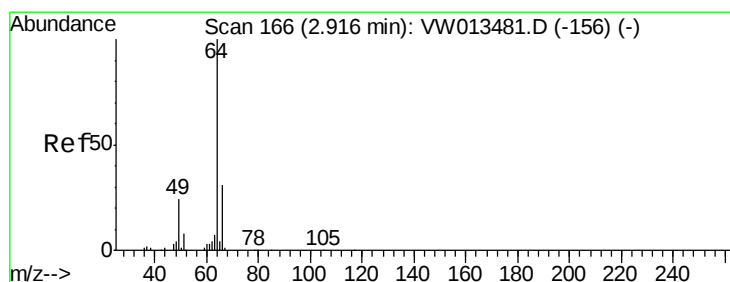
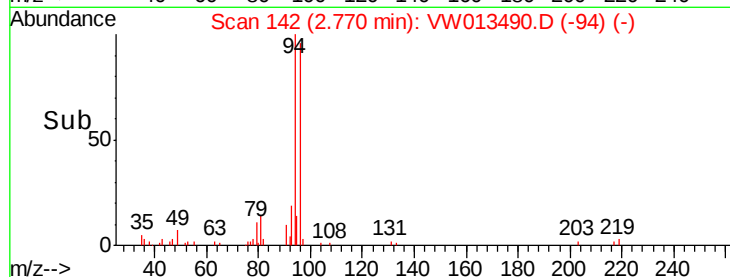
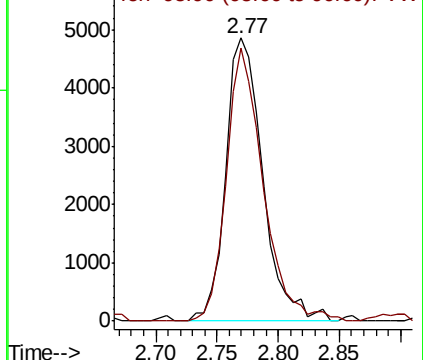
94 100

96 96.4 77.0 115.6



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



#6

Chloroethane

Concen: 5.463 ug/l

RT: 2.92 min Scan# 167

Delta R.T. 0.01 min

Lab File: VW013490.D

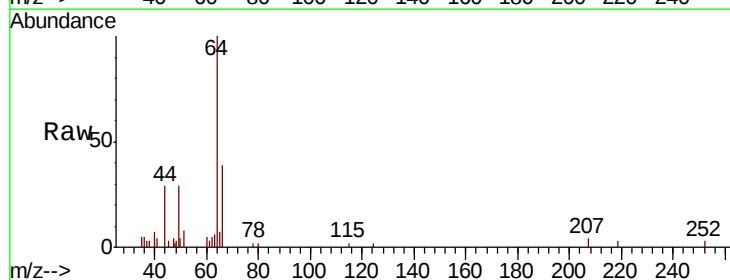
Acq: 08 Oct 2019 16:45

Tgt Ion: 64 Resp: 9043

Ion Ratio Lower Upper

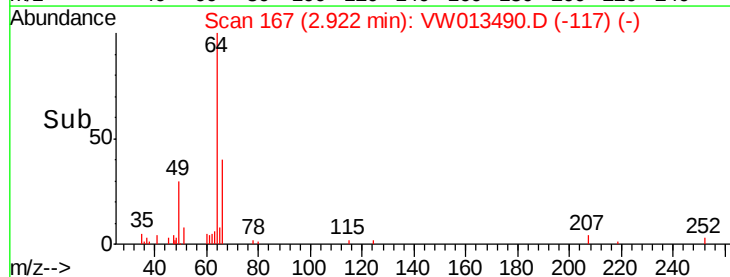
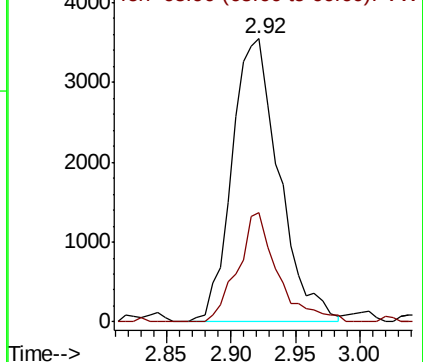
64 100

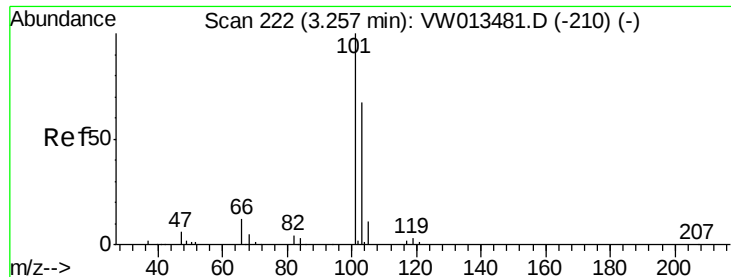
66 38.8 25.0 37.4#



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW



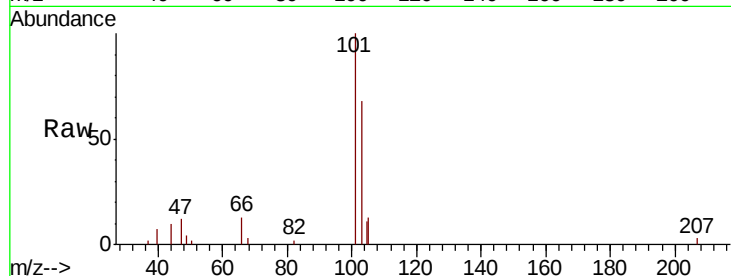


#7

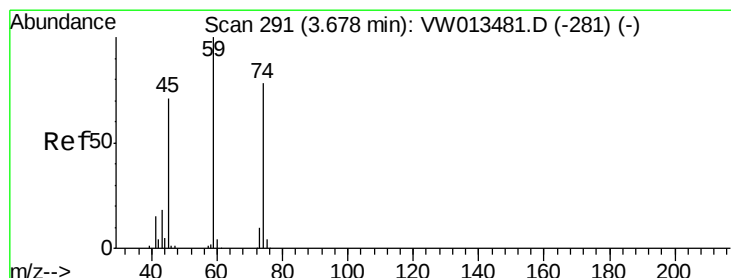
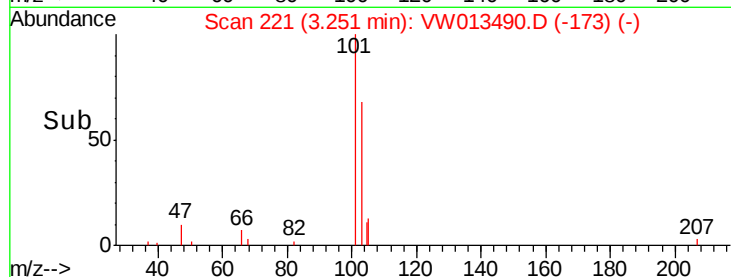
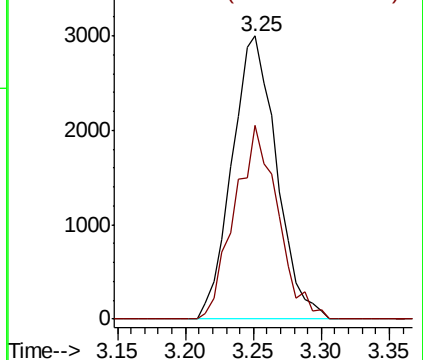
Trichlorofluoromethane
 Concen: 4.926 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.01 min
 Lab File: VW013490.D
 Acq: 08 Oct 2019 16:45

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:101 Resp: 6870
 Ion Ratio Lower Upper
 101 100
 103 68.4 53.7 80.5



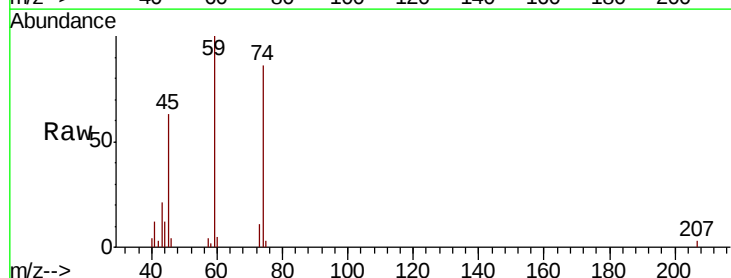
Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 102.80 (102.50 to 103.50): V



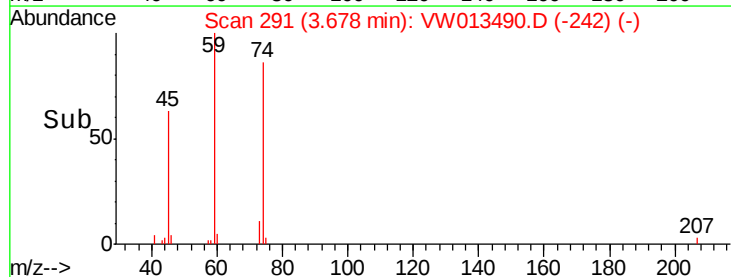
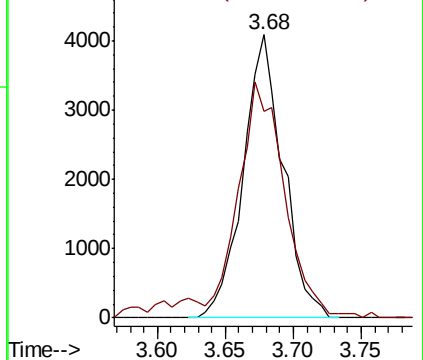
#8

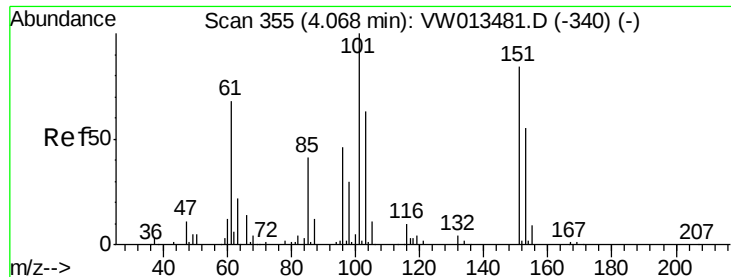
Diethyl Ether
 Concen: 5.815 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. 0.00 min
 Lab File: VW013490.D
 Acq: 08 Oct 2019 16:45

Tgt Ion: 74 Resp: 8394
 Ion Ratio Lower Upper
 74 100
 45 95.7 50.0 150.1



Abundance Ion 74.00 (73.70 to 74.70): VW
 Ion 45.00 (44.70 to 45.70): VW





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.377 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW013490.D

Acq: 08 Oct 2019 16:45

Instrument :

MSVOA_W

ClientSampleId :

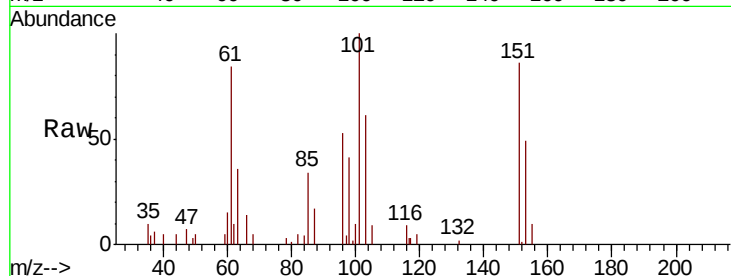
Tot Ion:101 Resp: 15455

Ion Ratio Lower Upper

101 100

85 37.3 31.6 47.4

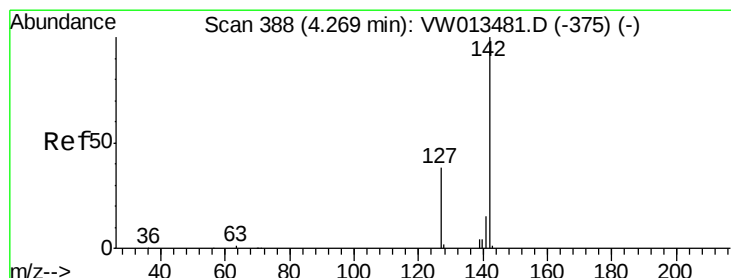
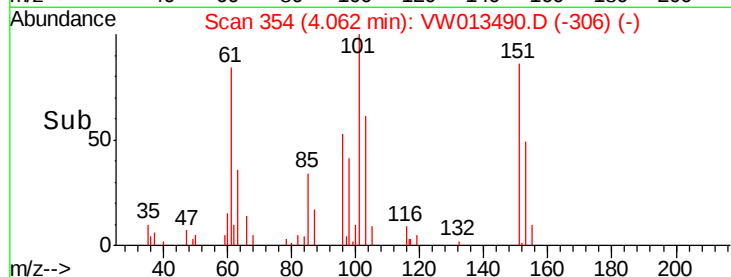
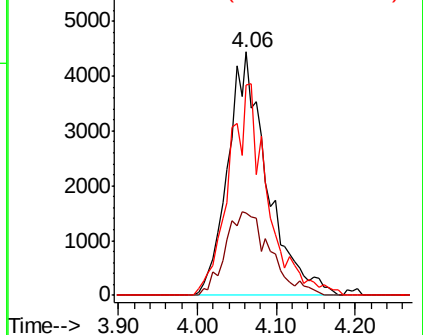
151 85.3 67.5 101.3



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: 5.523 ug/l

RT: 4.27 min Scan# 388

Delta R.T. 0.00 min

Lab File: VW013490.D

Acq: 08 Oct 2019 16:45

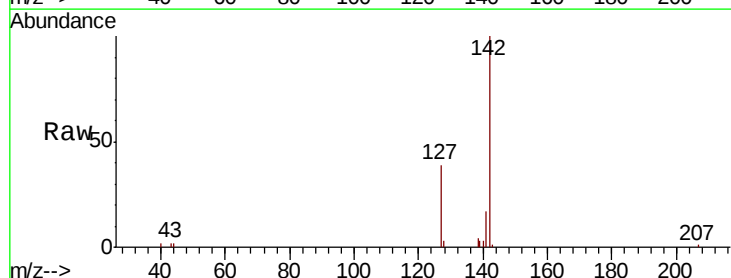
Tgt Ion:142 Resp: 25136

Ion Ratio Lower Upper

142 100

127 37.9 29.6 44.4

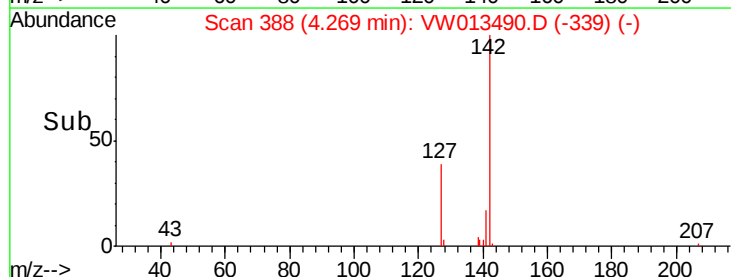
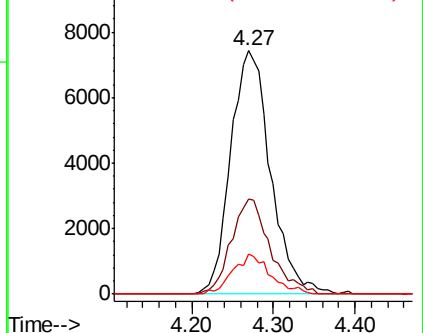
141 15.4 12.1 18.1

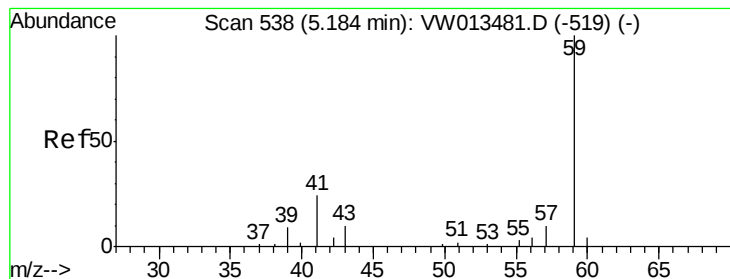


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



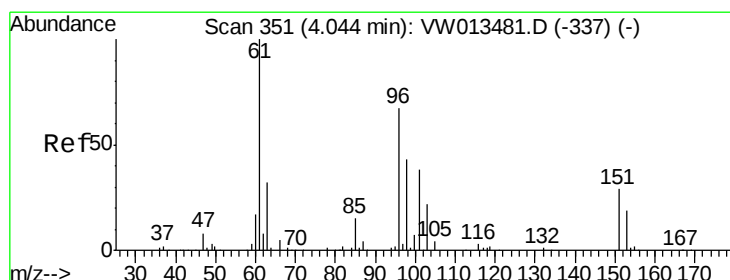
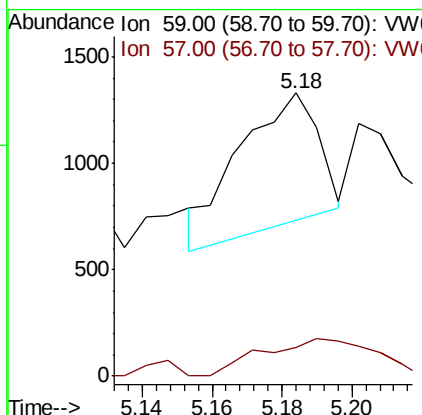
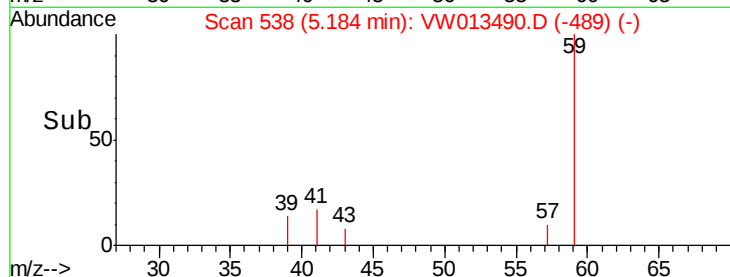
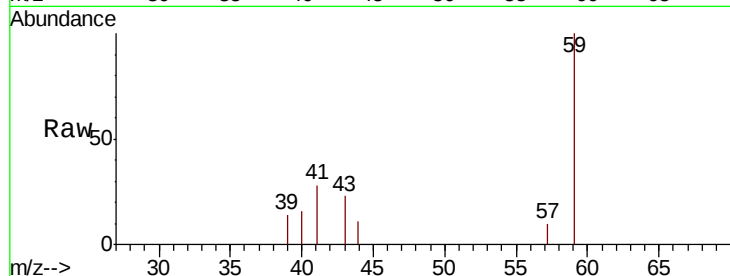


#11

Tert butvl alcohol
 Concen: 4.430 ug/l
 RT: 5.18 min Scan# 538
 Delta R.T. 0.00 min
 Lab File: VW013490.D
 Acq: 08 Oct 2019 16:45

Instrument :
 MSVOA_W
 ClientSampled :

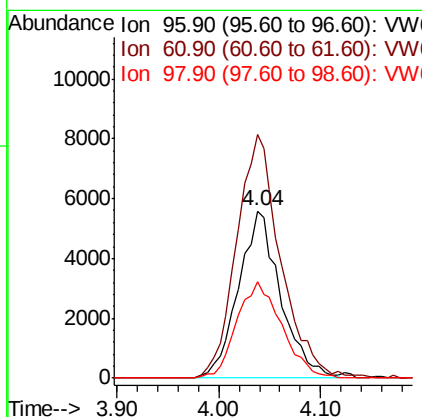
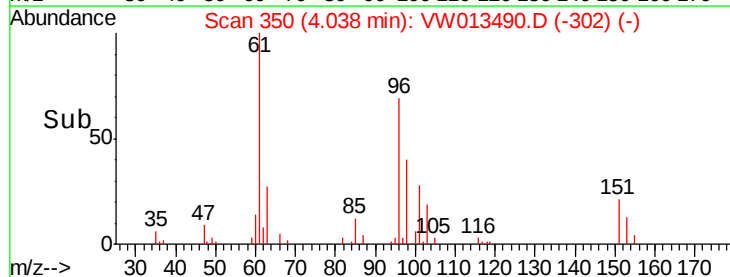
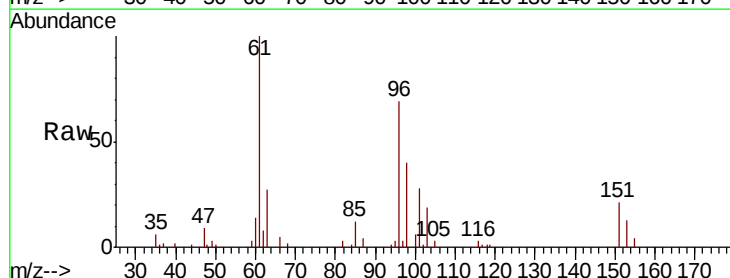
Tot Ion: 59 Resp: 994
 Ion Ratio Lower Upper
 59 100
 57 39.4 8.2 12.4#

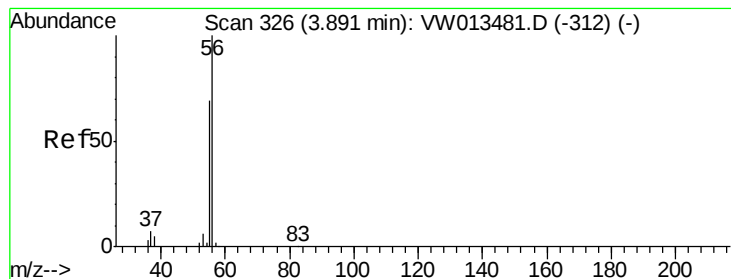


#12

1,1-Dichloroethene
 Concen: 5.371 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. -0.01 min
 Lab File: VW013490.D
 Acq: 08 Oct 2019 16:45

Tgt Ion: 96 Resp: 15999
 Ion Ratio Lower Upper
 96 100
 61 145.8 119.4 179.0
 98 58.0 51.1 76.7





#13

Acrolein

Concen: 6.842 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.00 min

Lab File: VW013490.D

Acq: 08 Oct 2019 16:45

Instrument :

MSVOA_W

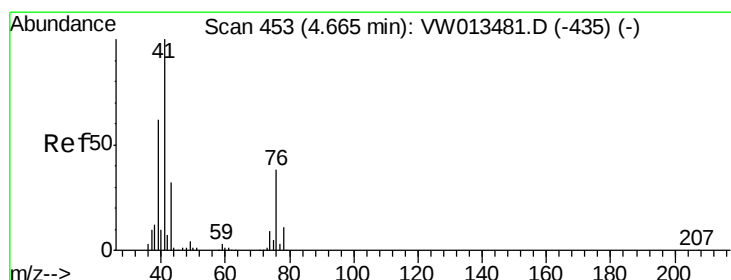
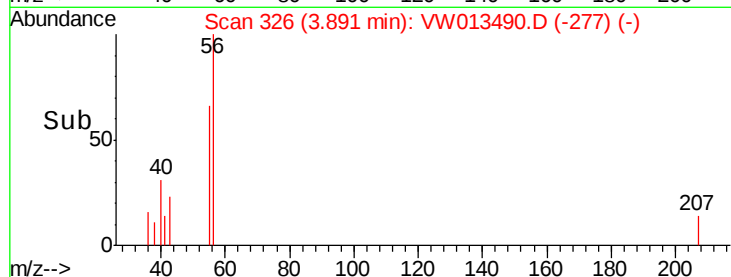
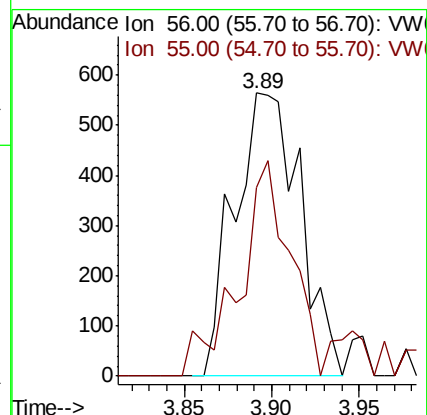
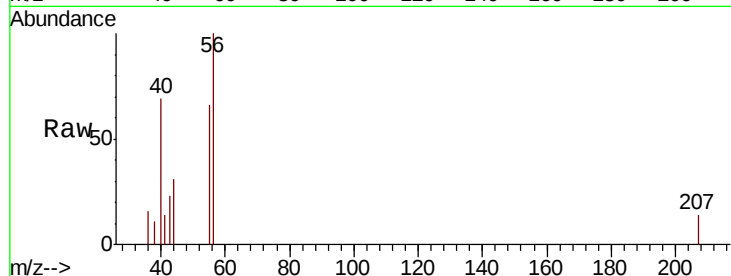
ClientSampleId :

Tot Ion: 56 Resp: 1479

Ion Ratio Lower Upper

56 100

55 58.4 55.9 83.9



#14

Allyl chloride

Concen: 5.126 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.00 min

Lab File: VW013490.D

Acq: 08 Oct 2019 16:45

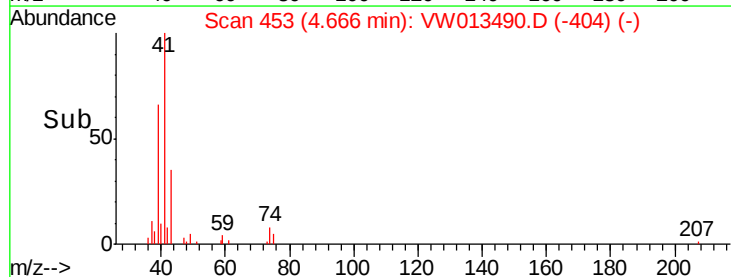
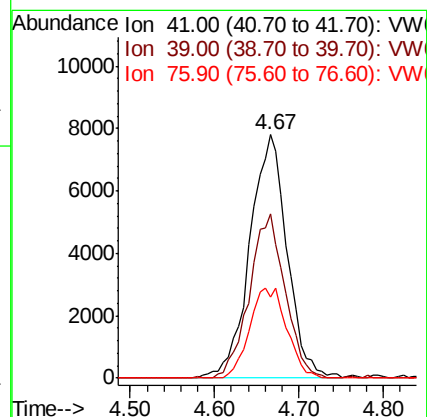
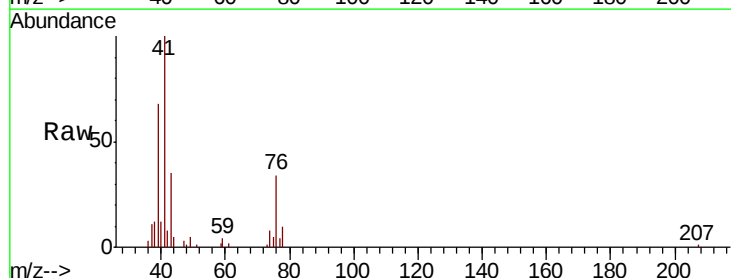
Tgt Ion: 41 Resp: 23464

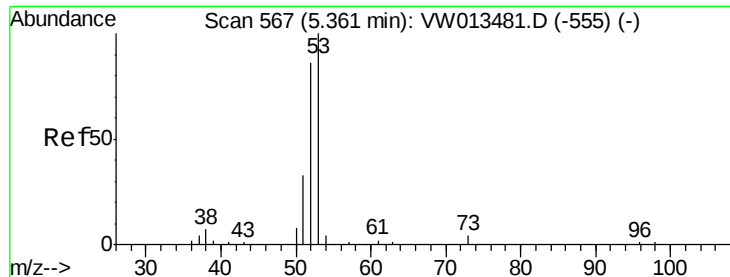
Ion Ratio Lower Upper

41 100

39 64.3 50.1 75.1

76 36.8 29.0 43.4





#15

Acrylonitrile

Concen: 24.940 ug/l

RT: 5.36 min Scan# 567

Delta R.T. 0.00 min

Lab File: VW013490.D

Acq: 08 Oct 2019 16:45

Instrument :

MSVOA_W

ClientSampleId :

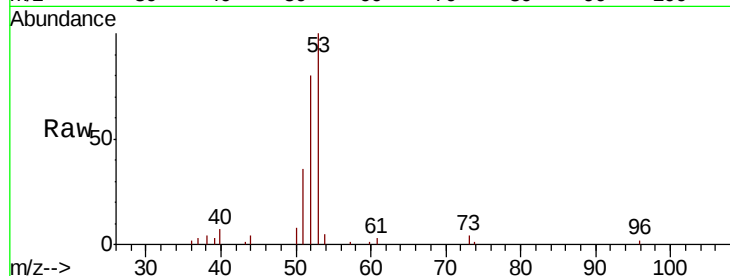
Tot Ion: 53 Resp: 16826

Ion Ratio Lower Upper

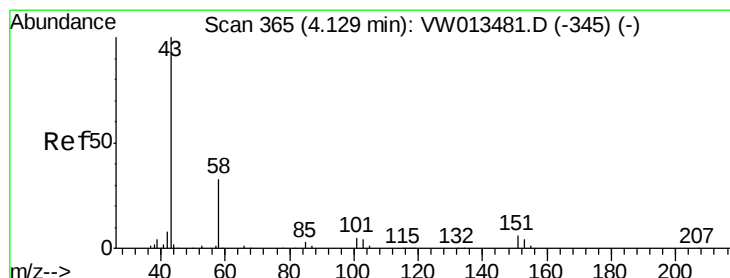
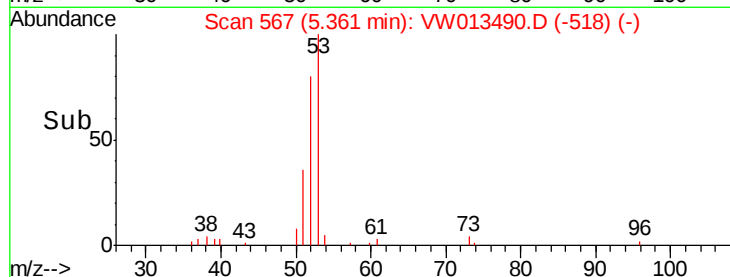
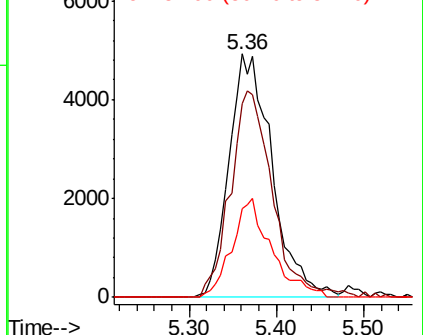
53 100

52 82.9 65.8 98.8

51 37.3 28.6 42.8



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



#16

Acetone

Concen: 24.503 ug/l

RT: 4.14 min Scan# 366

Delta R.T. 0.01 min

Lab File: VW013490.D

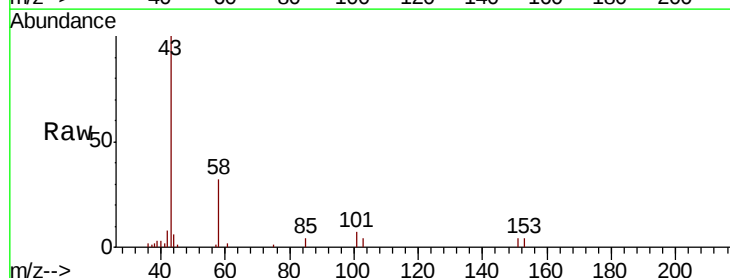
Acq: 08 Oct 2019 16:45

Tgt Ion: 43 Resp: 15120

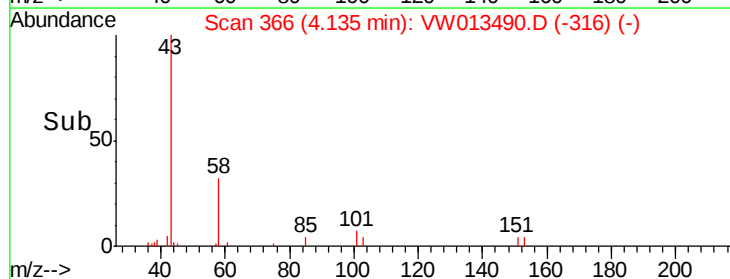
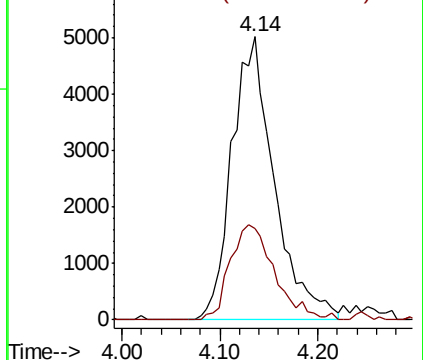
Ion Ratio Lower Upper

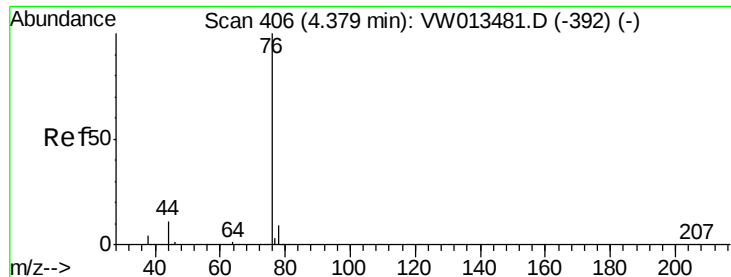
43 100

58 32.3 26.1 39.1



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

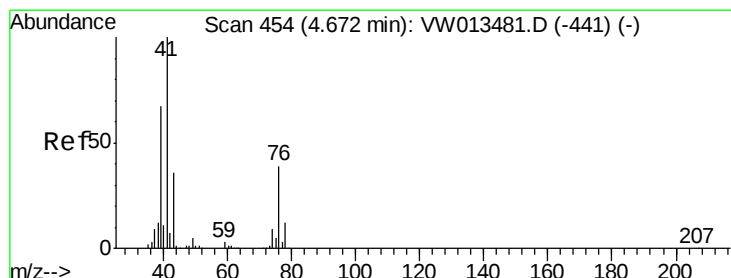
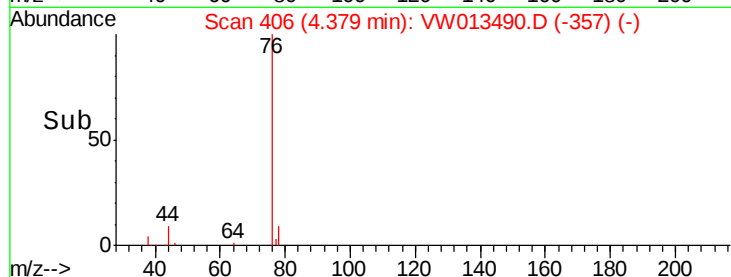
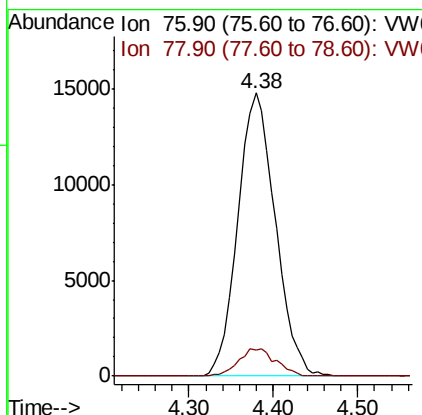
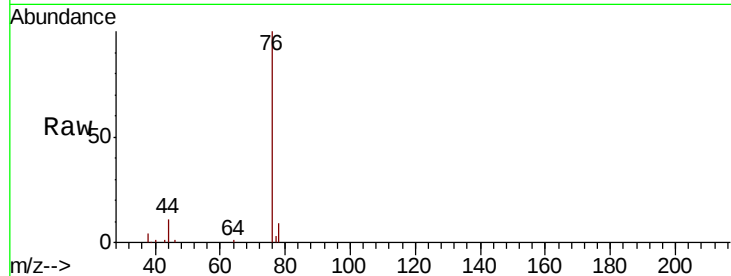




#17
Carbon Disulfide
Concen: 5.333 ug/l
RT: 4.38 min Scan# 406
Delta R.T. 0.00 min
Lab File: VW013490.D
Acq: 08 Oct 2019 16:45

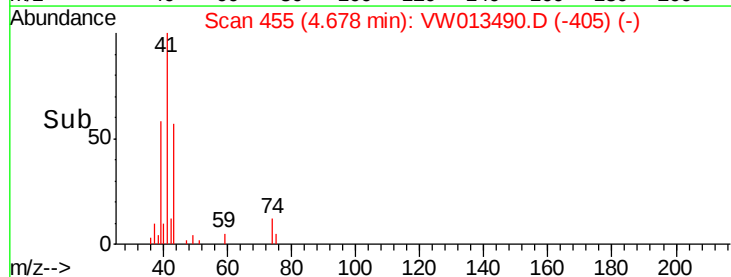
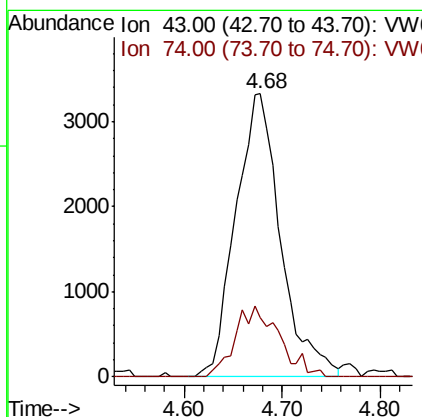
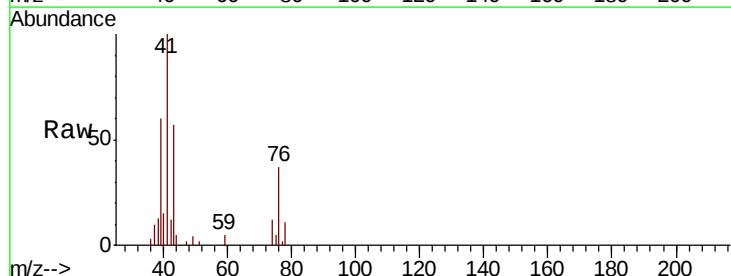
Instrument :
MSVOA_W
ClientSampleId :

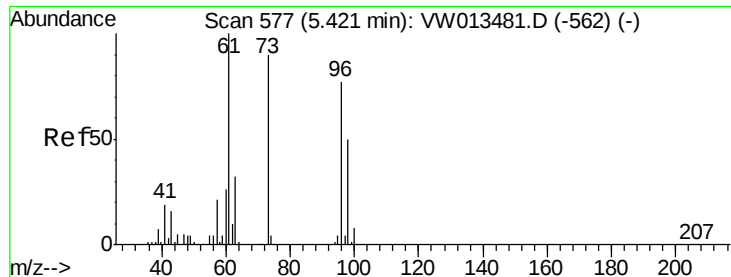
Tot Ion: 76 Resp: 44594
Ion Ratio Lower Upper
76 100
78 9.4 7.1 10.7



#18
Methyl Acetate
Concen: 5.996 ug/l
RT: 4.68 min Scan# 455
Delta R.T. 0.01 min
Lab File: VW013490.D
Acq: 08 Oct 2019 16:45

Tgt Ion: 43 Resp: 10599
Ion Ratio Lower Upper
43 100
74 24.6 19.6 29.4

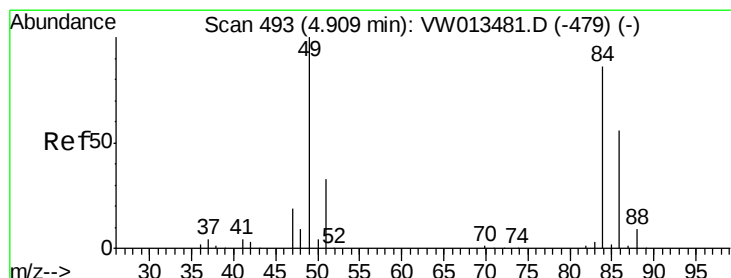
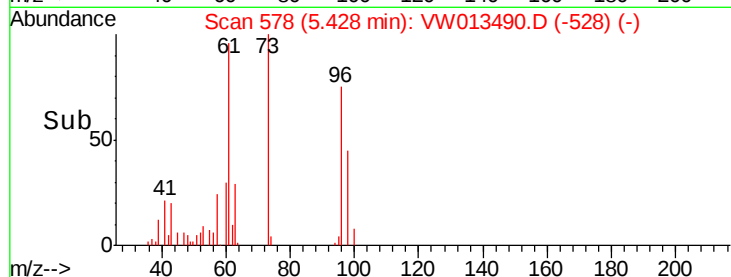
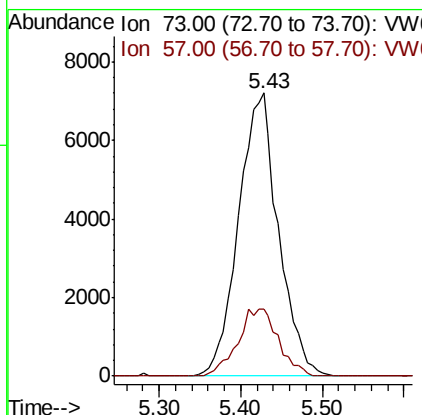
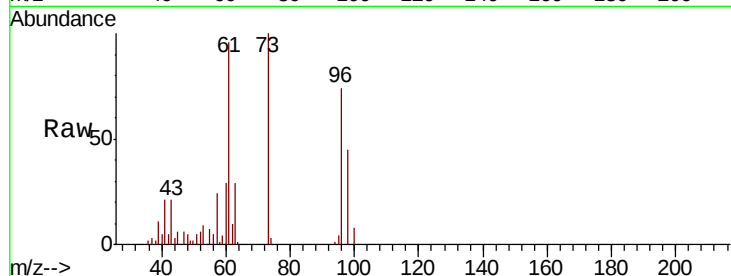




#19
Methvl tert-butvl Ether
Concen: 5.434 ug/l
RT: 5.43 min Scan# 578
Delta R.T. 0.01 min
Lab File: VW013490.D
Acq: 08 Oct 2019 16:45

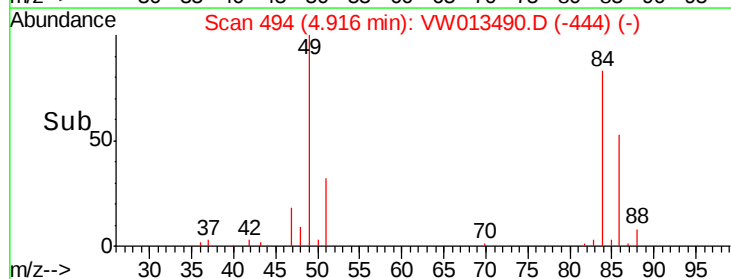
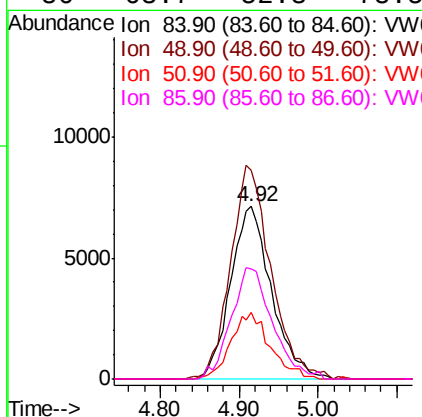
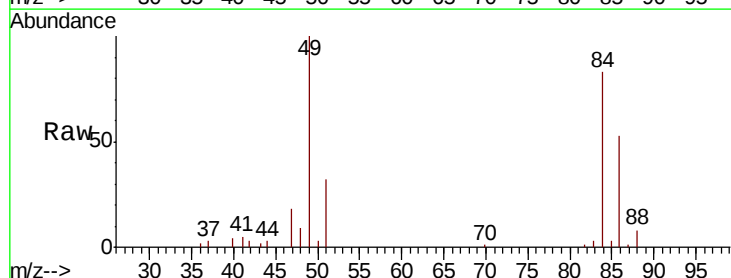
Instrument :
MSVOA_W
ClientSampled :

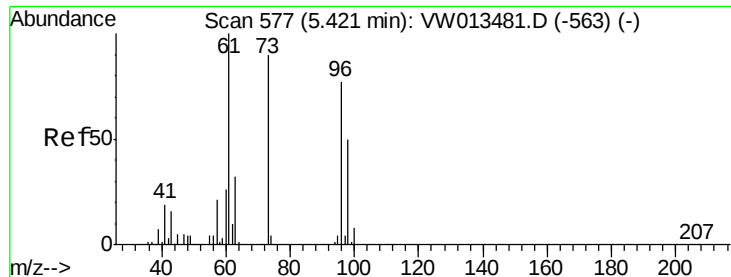
Tot Ion: 73 Resp: 24478
Ion Ratio Lower Upper
73 100
57 23.6 18.6 27.8



#20
Methylene Chloride
Concen: 7.568 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.01 min
Lab File: VW013490.D
Acq: 08 Oct 2019 16:45

Tgt Ion: 84 Resp: 25709
Ion Ratio Lower Upper
84 100
49 119.8 93.4 140.0
51 38.7 30.6 46.0
86 63.7 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 5.308 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.00 min

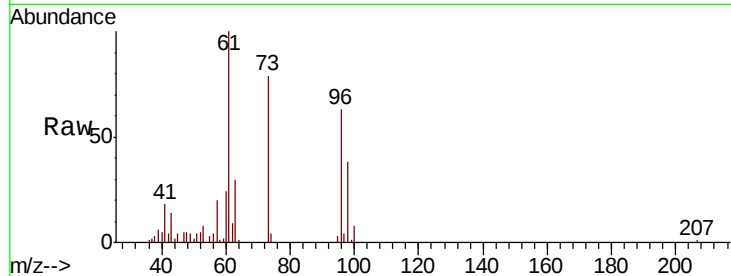
Lab File: VW013490.D

Acq: 08 Oct 2019 16:45

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 96 Resp: 16800

Ion	Ratio	Lower	Upper
96	100		
61	159.1	104.3	156.5#
98	60.9	51.8	77.8

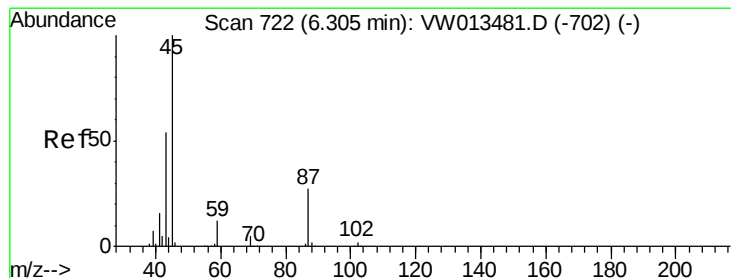
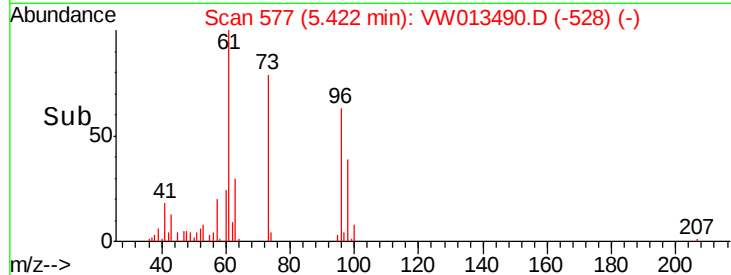
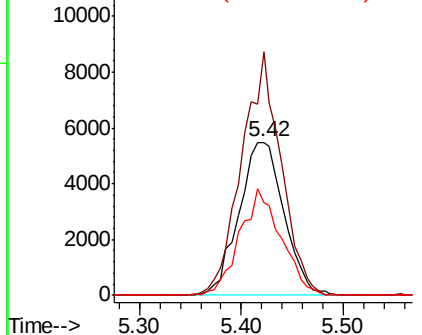


Abundance

Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW



#22

Diisopropyl ether

Concen: 5.586 ug/l

RT: 6.31 min Scan# 722

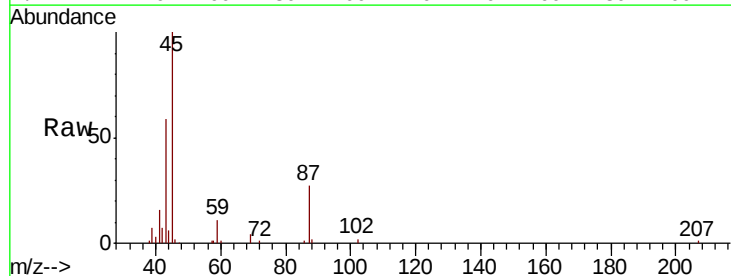
Delta R.T. 0.00 min

Lab File: VW013490.D

Acq: 08 Oct 2019 16:45

Tgt Ion: 45 Resp: 47911

Ion	Ratio	Lower	Upper
45	100		
43	56.9	43.4	65.0
87	27.3	22.1	33.1
59	11.5	9.9	14.9



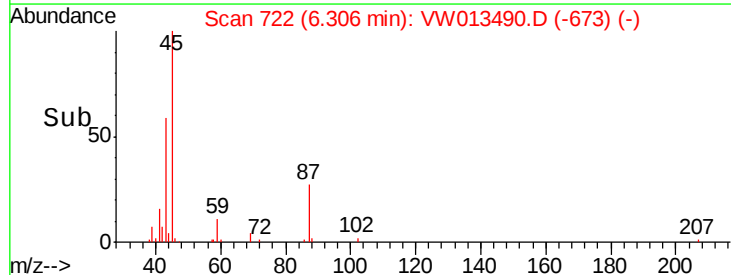
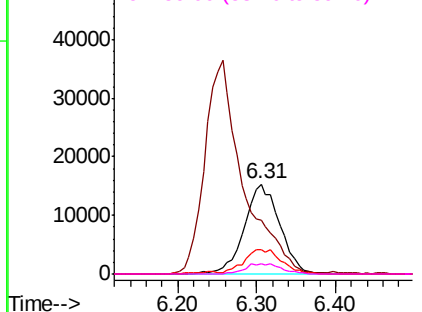
Abundance

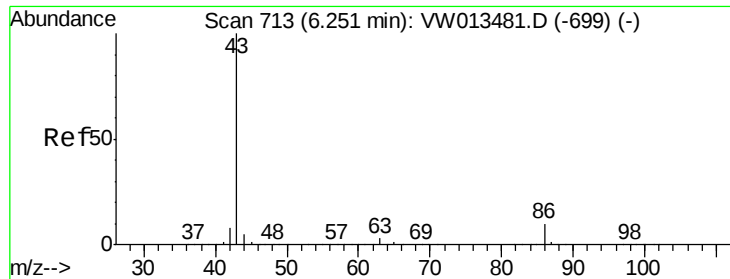
Ion 45.00 (44.70 to 45.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 87.00 (86.70 to 87.70): VW

Ion 59.00 (58.70 to 59.70): VW

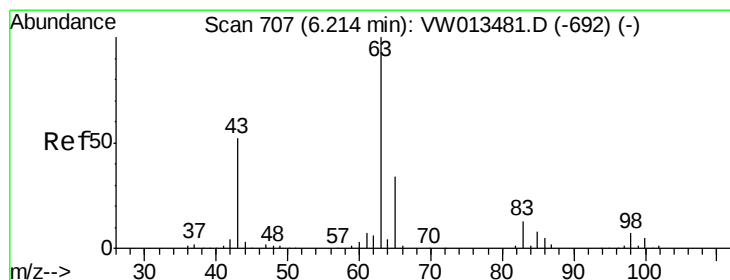
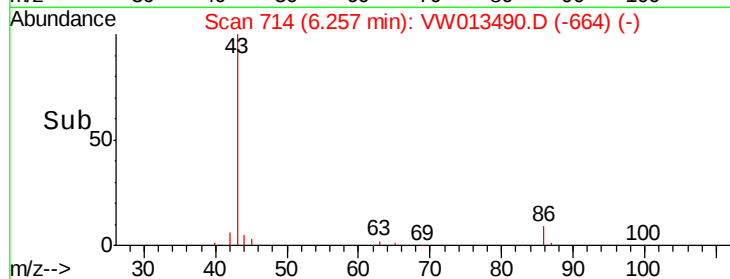
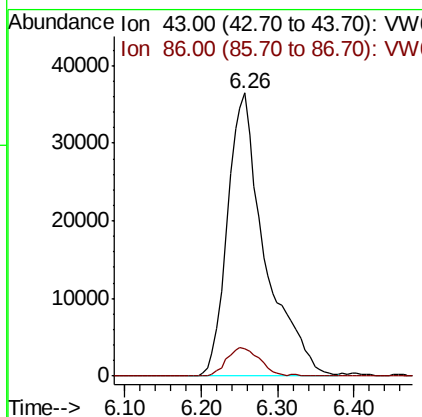
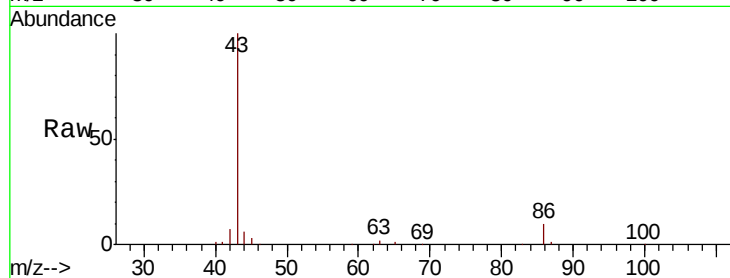




#23
 Vinyl Acetate
 Concen: 23.930 ug/l
 RT: 6.26 min Scan# 714
 Delta R.T. 0.01 min
 Lab File: VW013490.D
 Acq: 08 Oct 2019 16:45

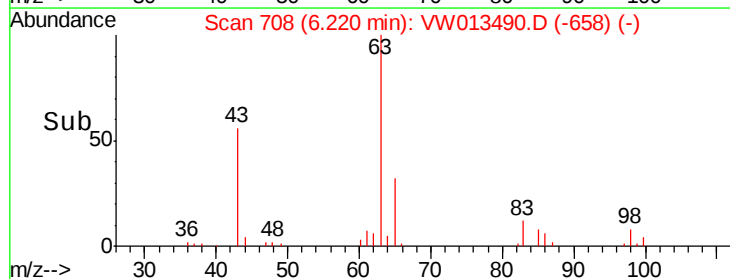
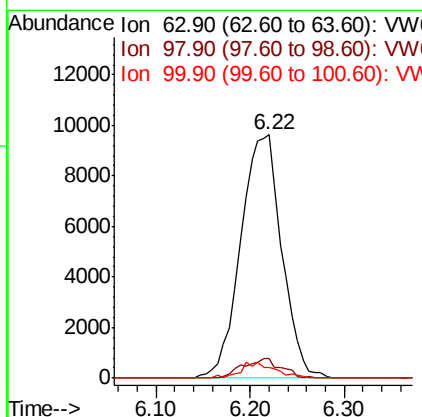
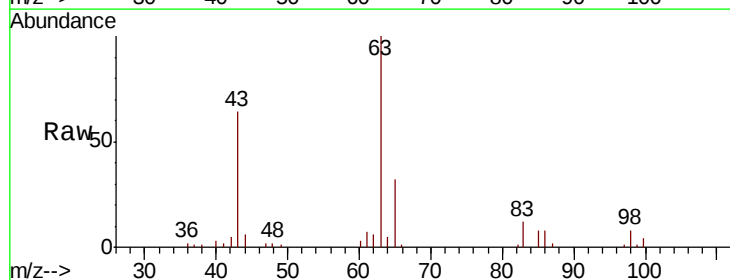
Instrument :
 MSVOA_W
 ClientSampleId :

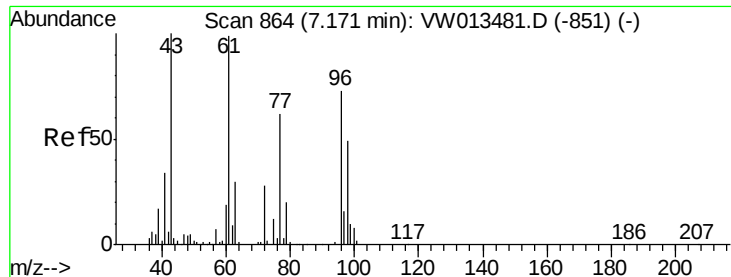
Tot Ion: 43 Resp: 123220
 Ion Ratio Lower Upper
 43 100
 86 9.6 8.3 12.5



#24
 1,1-Dichloroethane
 Concen: 5.602 ug/l
 RT: 6.22 min Scan# 708
 Delta R.T. 0.01 min
 Lab File: VW013490.D
 Acq: 08 Oct 2019 16:45

Tgt Ion: 63 Resp: 29368
 Ion Ratio Lower Upper
 63 100
 98 8.1 3.5 10.6
 100 4.2 2.3 6.8





#25

2-Butanone

Concen: 26.309 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW013490.D

Acq: 08 Oct 2019 16:45

Instrument :

MSVOA_W

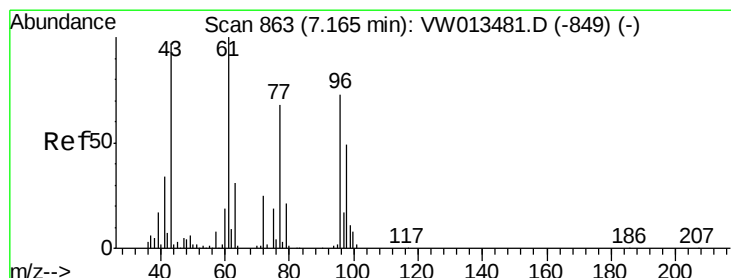
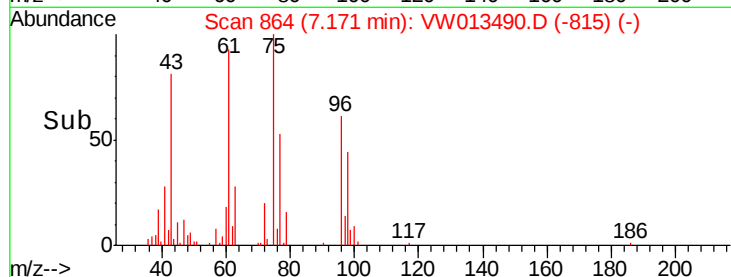
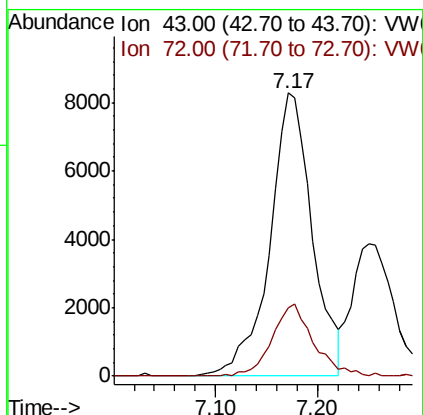
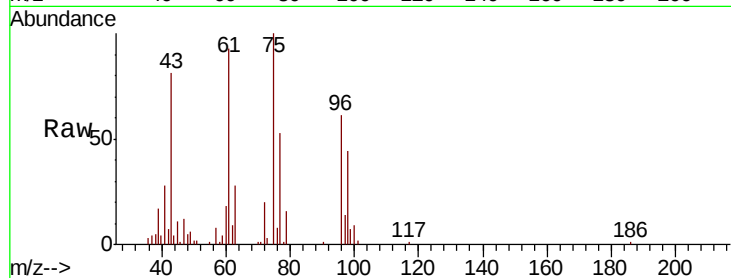
ClientSampled :

Tot Ion: 43 Resp: 23925

Ion Ratio Lower Upper

43 100

72 24.4 22.1 33.1



#26

2,2-Dichloropropane

Concen: 6.142 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW013490.D

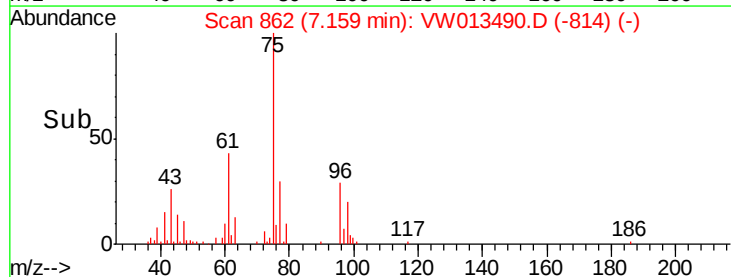
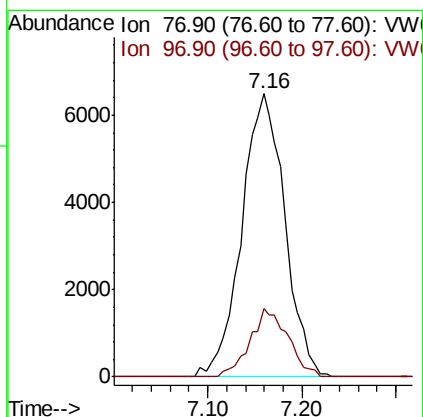
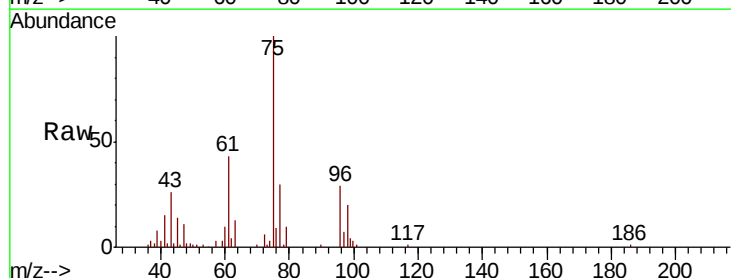
Acq: 08 Oct 2019 16:45

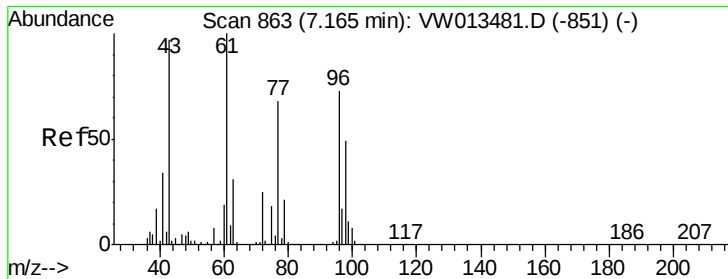
Tgt Ion: 77 Resp: 20756

Ion Ratio Lower Upper

77 100

97 21.3 12.6 37.6



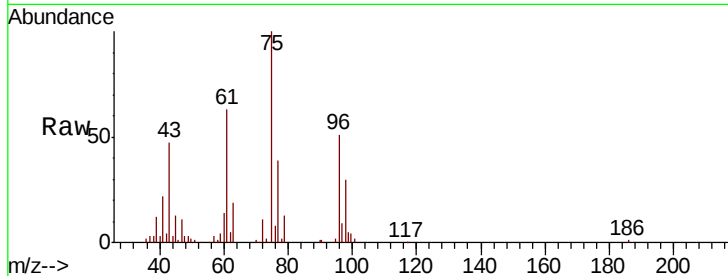


#27

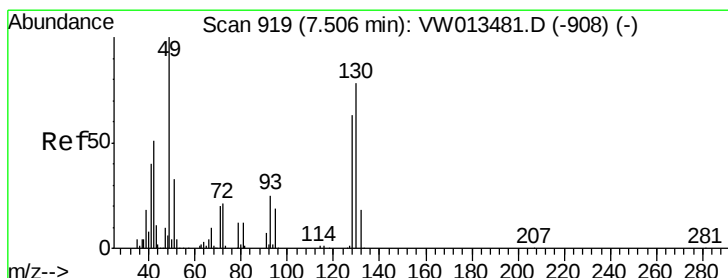
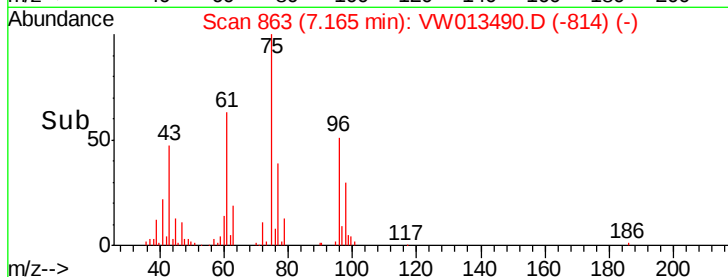
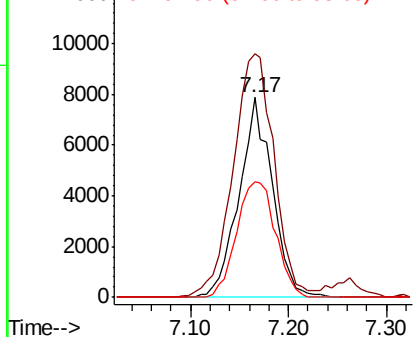
cis-1,2-Dichloroethene
Concen: 5.570 ug/l
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW013490.D
Acq: 08 Oct 2019 16:45

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 96 Resp: 18657
Ion Ratio Lower Upper
96 100
61 149.5 0.0 274.4
98 67.1 0.0 130.2



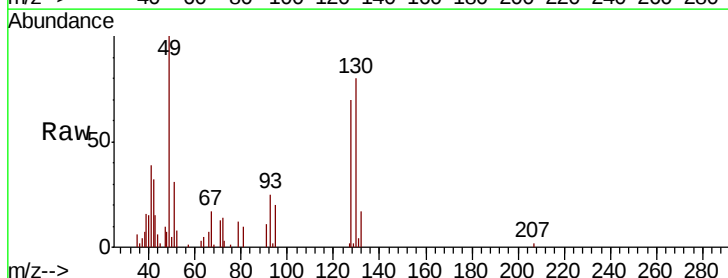
Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



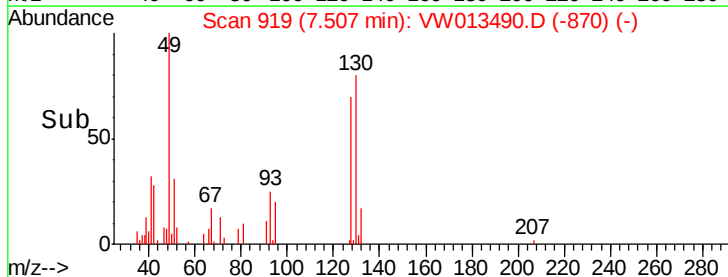
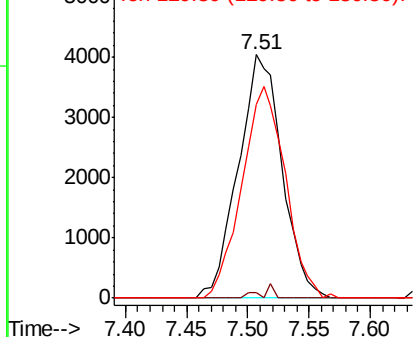
#28

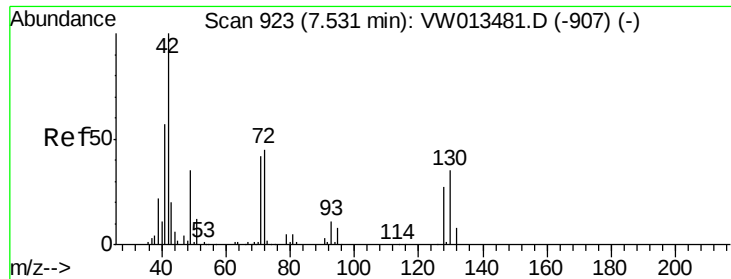
Bromochloromethane
Concen: 5.372 ug/l
RT: 7.51 min Scan# 919
Delta R.T. 0.00 min
Lab File: VW013490.D
Acq: 08 Oct 2019 16:45

Tgt Ion: 49 Resp: 10043
Ion Ratio Lower Upper
49 100
129 0.7 0.0 1.6
130 0.0 0.0 0.0



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

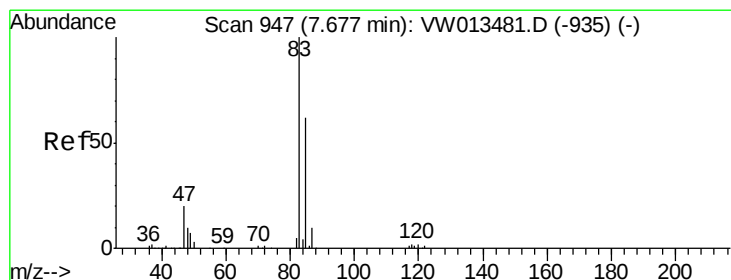
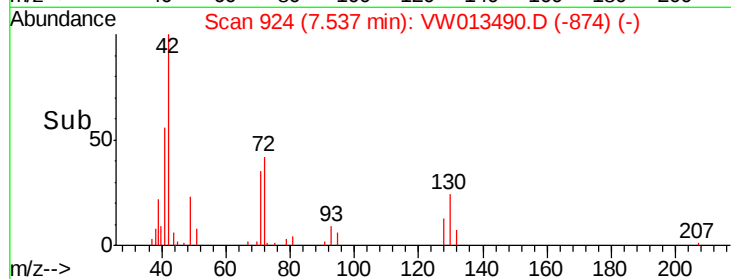
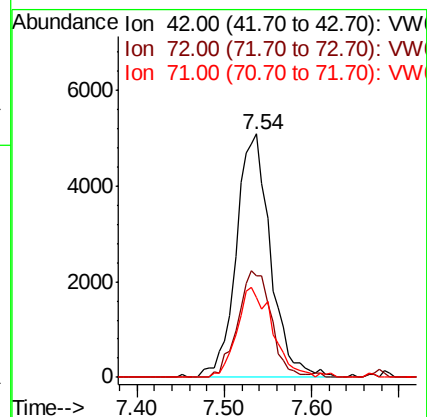
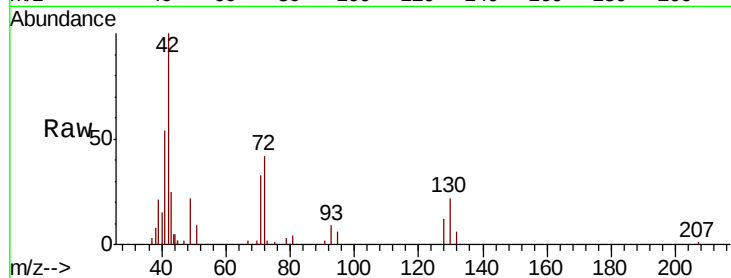




#29
Tetrahydrofuran
Concen: 24.976 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.01 min
Lab File: VW013490.D
Acq: 08 Oct 2019 16:45

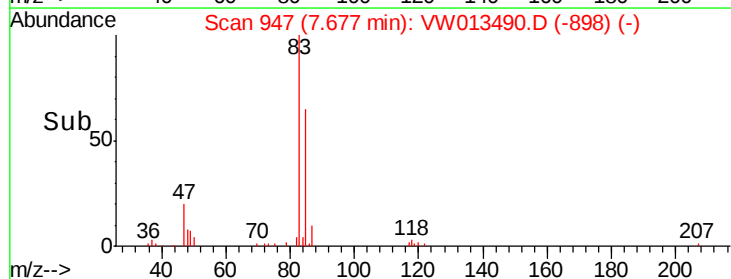
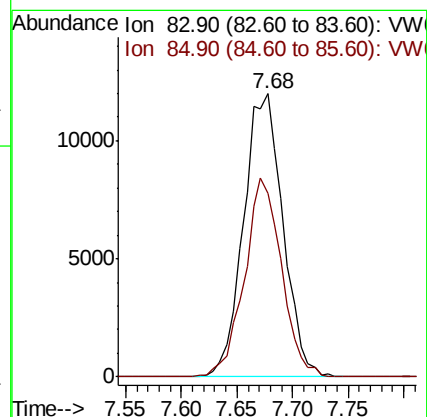
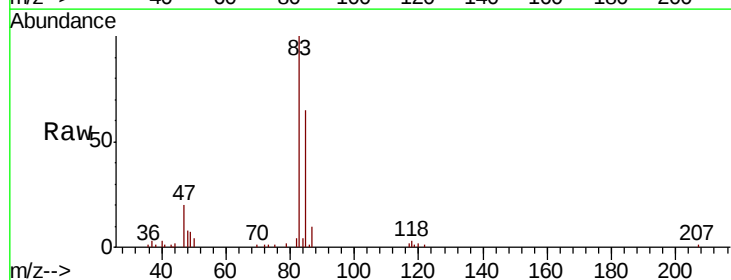
Instrument :
MSVOA_W
ClientSampleId :

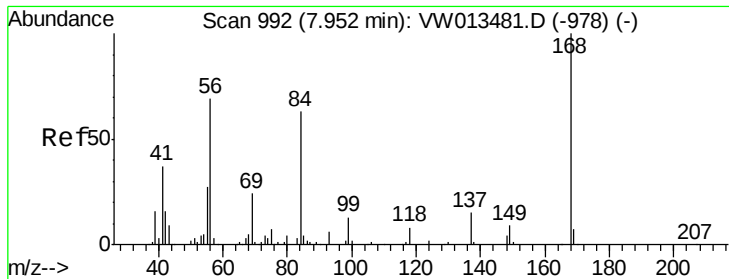
Tot Ion: 42 Resp: 13882
Ion Ratio Lower Upper
42 100
72 42.8 34.8 52.2
71 38.1 33.6 50.4



#30
Chloroform
Concen: 5.808 ug/l
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW013490.D
Acq: 08 Oct 2019 16:45

Tgt Ion: 83 Resp: 29453
Ion Ratio Lower Upper
83 100
85 64.6 49.4 74.2

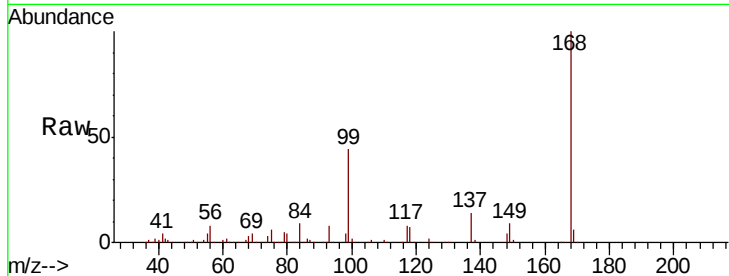




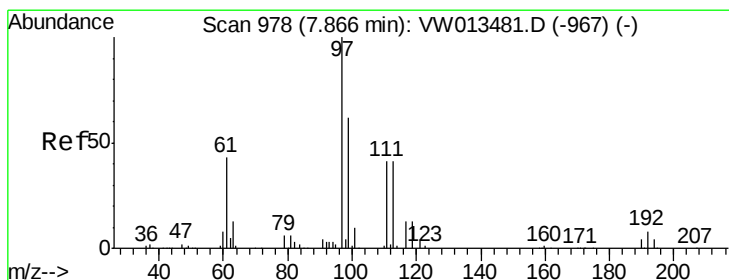
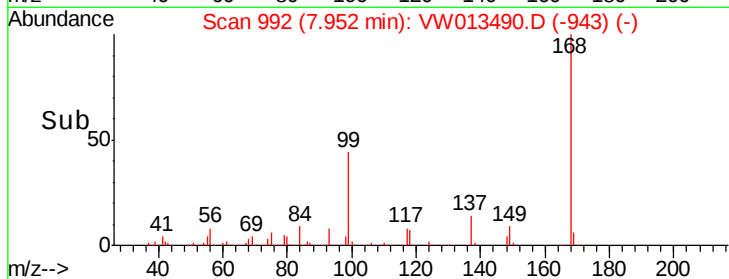
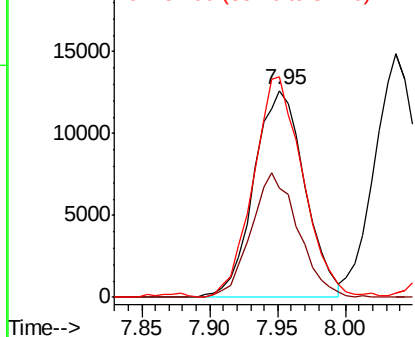
#31
Cyclohexane
Concen: 5.940 ug/l
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW013490.D
Acq: 08 Oct 2019 16:45

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 56 Resp: 32960
Ion Ratio Lower Upper
56 100
69 52.9 28.0 42.0#
84 105.6 71.8 107.6

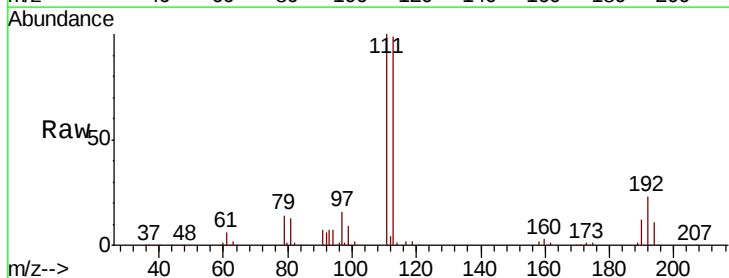


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

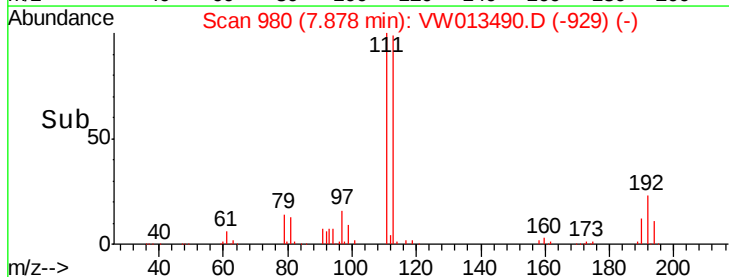
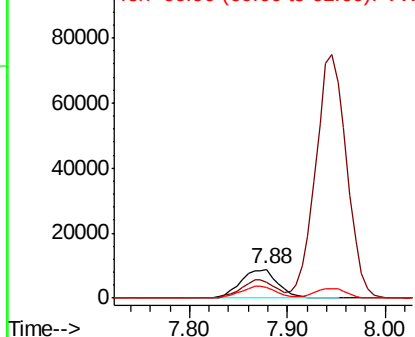


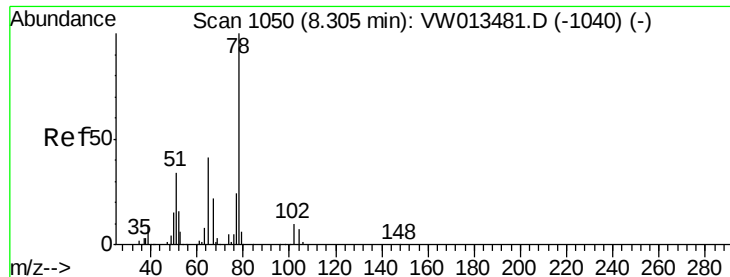
#32
1,1,1-Trichloroethane
Concen: 5.607 ug/l
RT: 7.88 min Scan# 980
Delta R.T. 0.01 min
Lab File: VW013490.D
Acq: 08 Oct 2019 16:45

Tgt Ion: 97 Resp: 23112
Ion Ratio Lower Upper
97 100
99 58.4 52.3 78.5
61 40.7 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

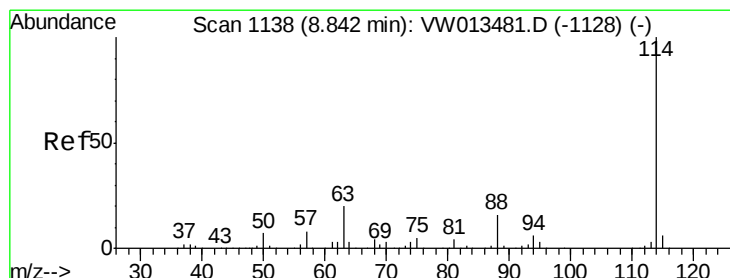
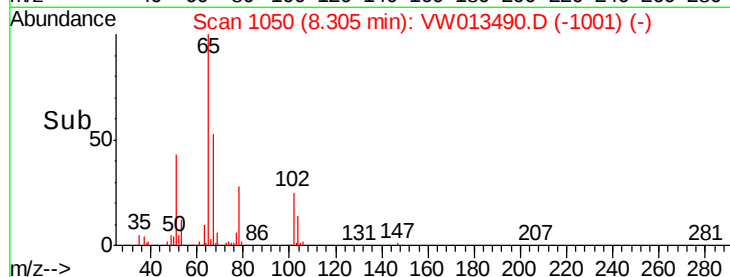
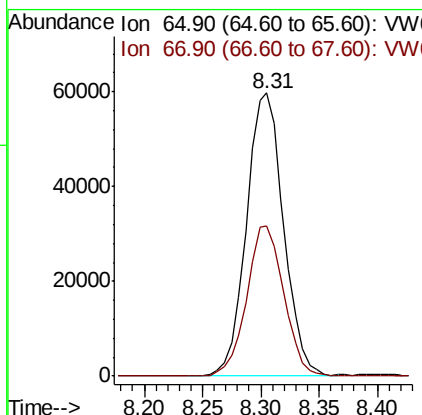
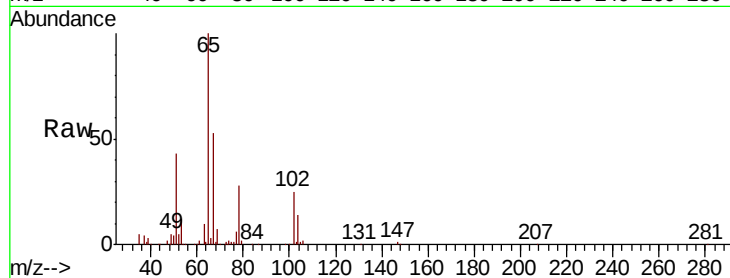




#33
 1,2-Dichloroethane-d4
 Concen: 49.824 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW013490.D
 Acq: 08 Oct 2019 16:45

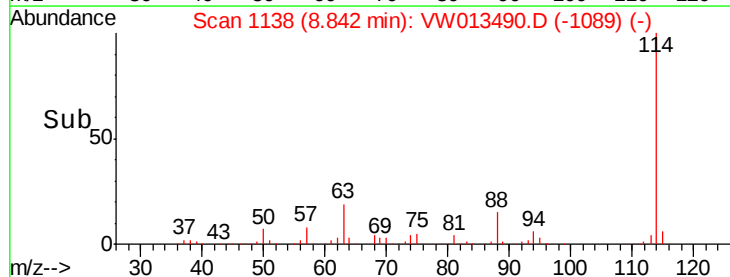
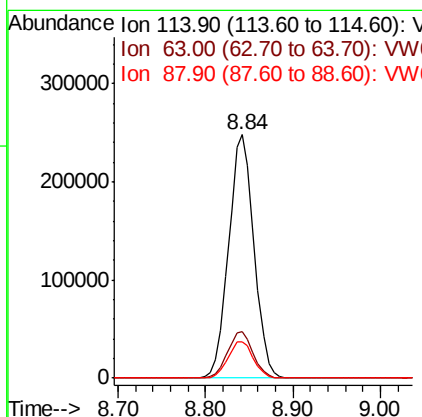
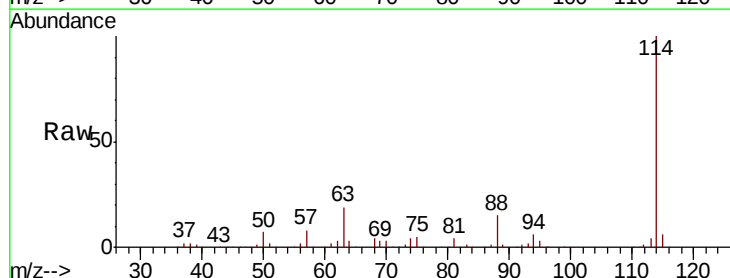
Instrument :
 MSVOA_W
 ClientSampleId :

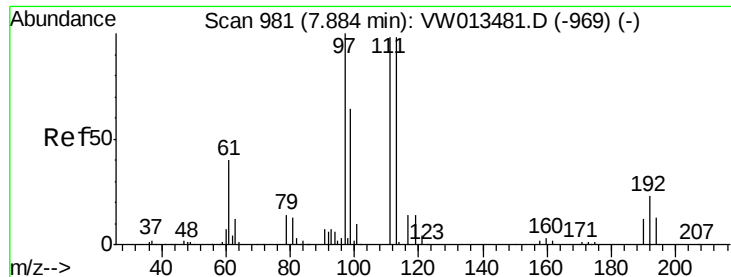
Tot Ion: 65 Resp: 132116
 Ion Ratio Lower Upper
 65 100
 67 53.1 0.0 109.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW013490.D
 Acq: 08 Oct 2019 16:45

Tgt Ion: 114 Resp: 495753
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 40.4
 88 15.1 0.0 31.4

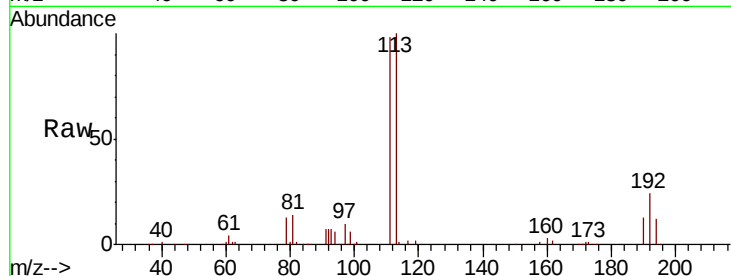




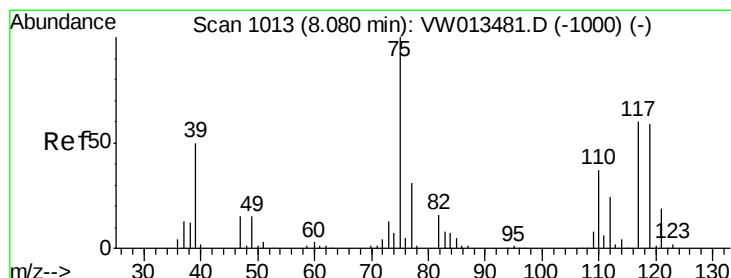
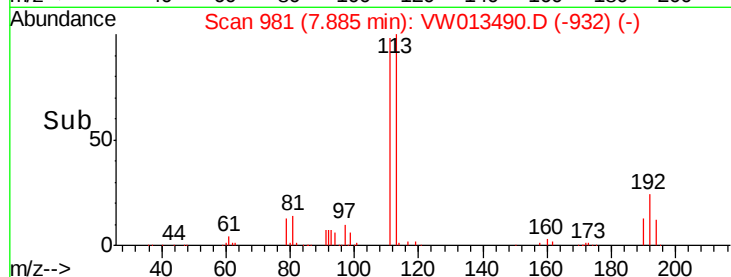
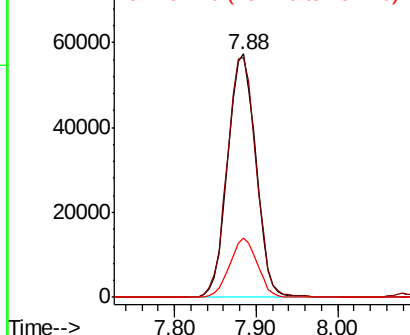
#35
 Dibromofluoromethane
 Concen: 49.079 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW013490.D
 Acq: 08 Oct 2019 16:45

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:113 Resp: 135893
 Ion Ratio Lower Upper
 113 100
 111 100.9 82.3 123.5
 192 23.9 19.3 28.9

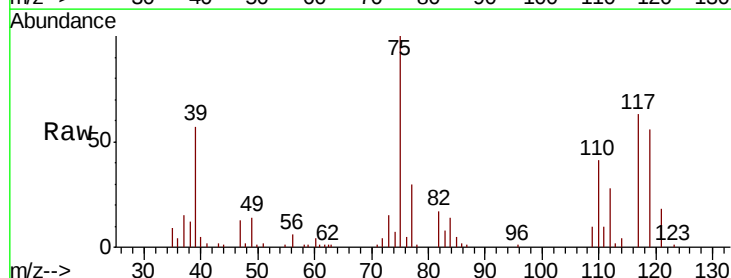


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

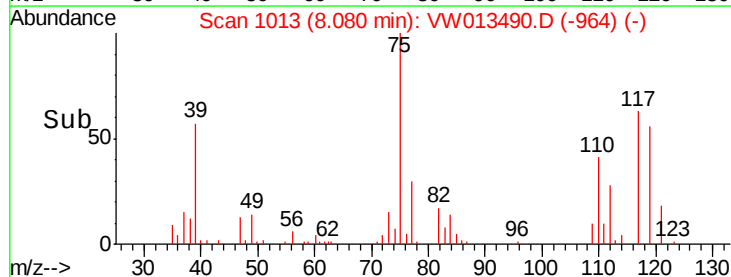
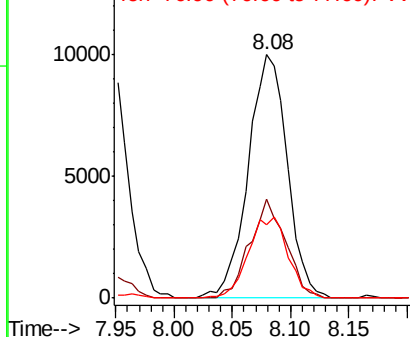


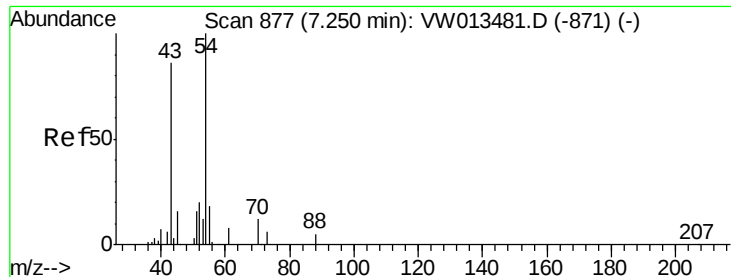
#36
 1,1-Dichloropropene
 Concen: 5.200 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: VW013490.D
 Acq: 08 Oct 2019 16:45

Tgt Ion: 75 Resp: 23319
 Ion Ratio Lower Upper
 75 100
 110 37.4 18.4 55.2
 77 33.7 25.0 37.4



Abundance Ion 74.90 (74.60 to 75.60): VW
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VW

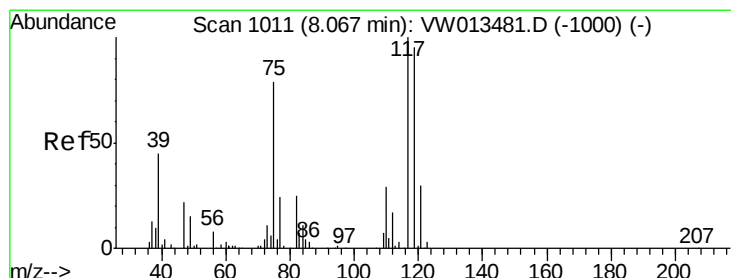
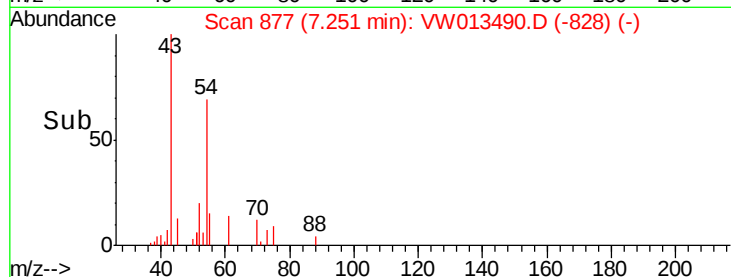
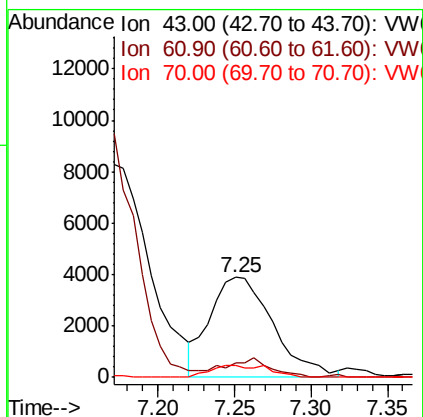
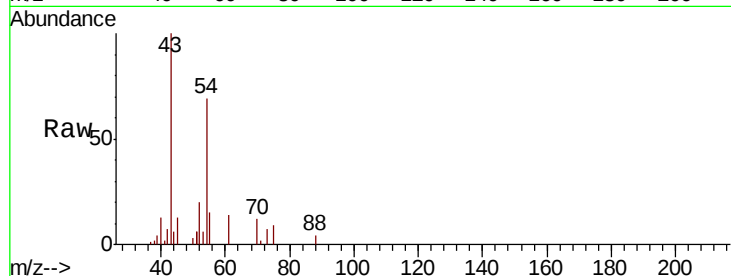




#37
Ethyl Acetate
Concen: 5.513 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW013490.D
Acq: 08 Oct 2019 16:45

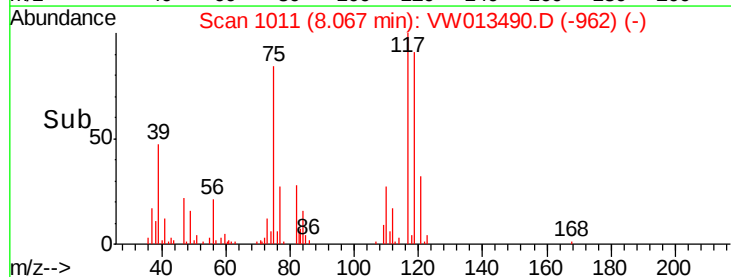
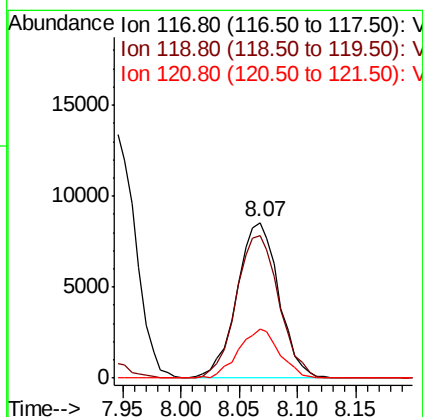
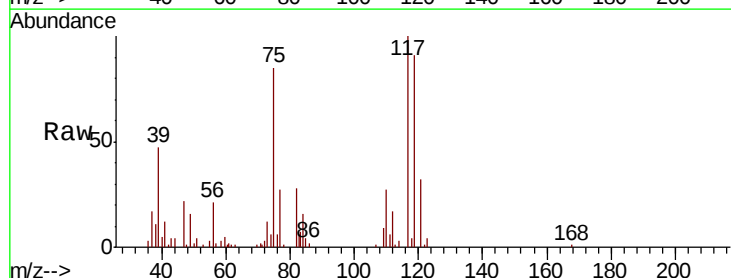
Instrument :
MSVOA_W
ClientSampleId :

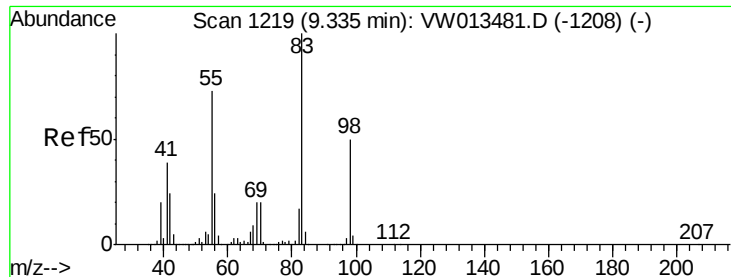
Tot Ion: 43 Resp: 11218
Ion Ratio Lower Upper
43 100
61 14.0 10.9 16.3
70 11.0 9.2 13.8



#38
Carbon Tetrachloride
Concen: 5.391 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW013490.D
Acq: 08 Oct 2019 16:45

Tgt Ion: 117 Resp: 21431
Ion Ratio Lower Upper
117 100
119 91.3 76.3 114.5
121 31.9 23.6 35.4

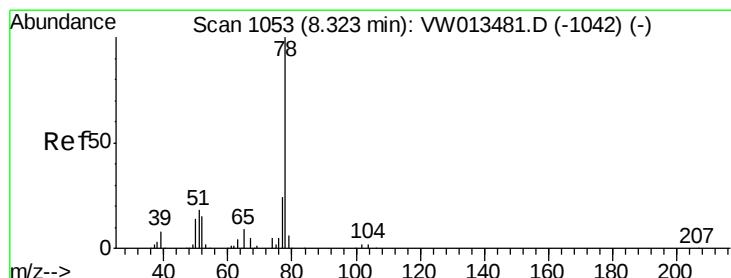
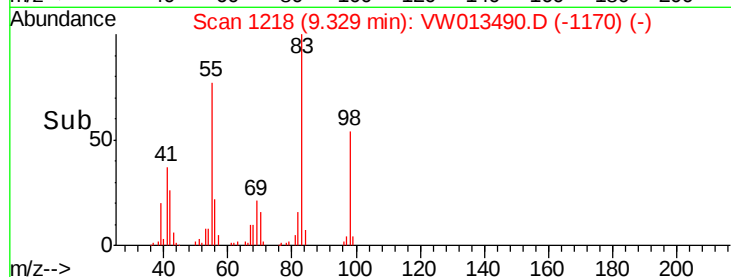
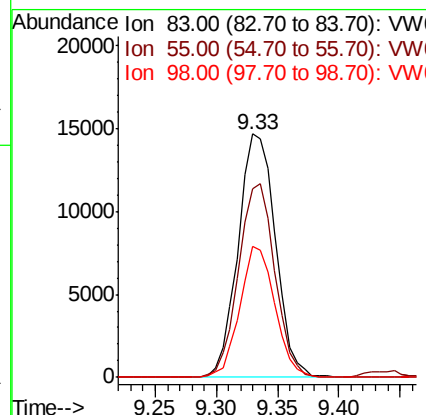
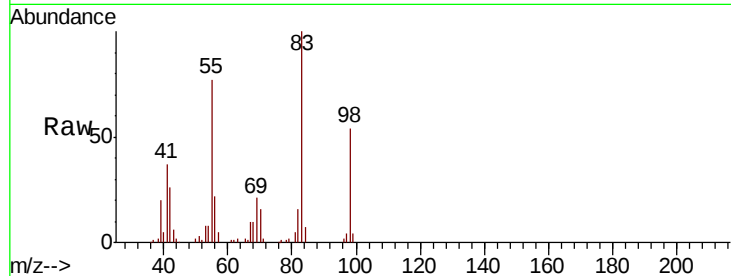




#39
Methvlcvclohexane
Concen: 5.368 ug/l
RT: 9.33 min Scan# 1219
Delta R.T. -0.01 min
Lab File: VW013490.D
Acq: 08 Oct 2019 16:45

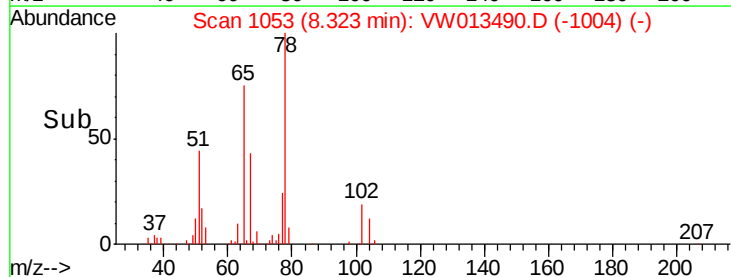
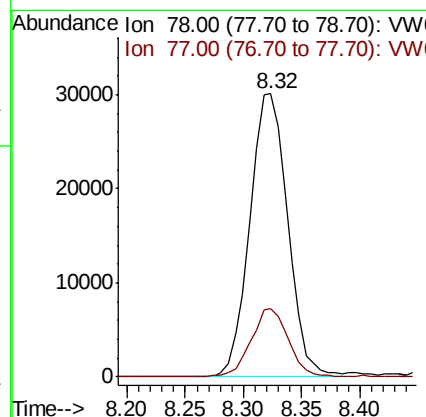
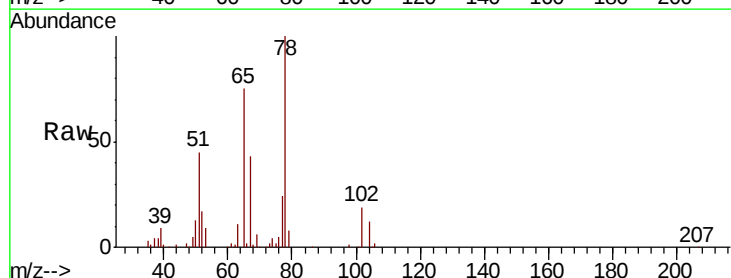
Instrument :
MSVOA_W
ClientSampleId :

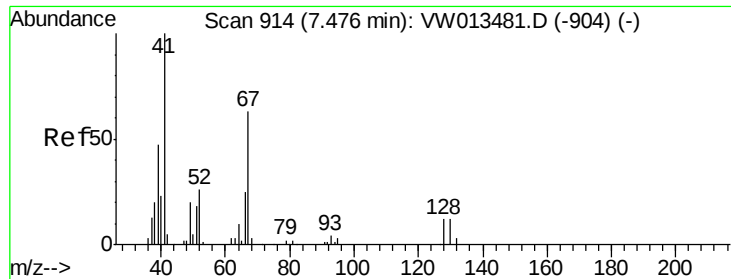
Tot Ion: 83 Resp: 31188
Ion Ratio Lower Upper
83 100
55 77.3 58.2 87.4
98 54.0 39.8 59.6



#40
Benzene
Concen: 5.477 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW013490.D
Acq: 08 Oct 2019 16:45

Tgt Ion: 78 Resp: 68560
Ion Ratio Lower Upper
78 100
77 24.2 19.2 28.8

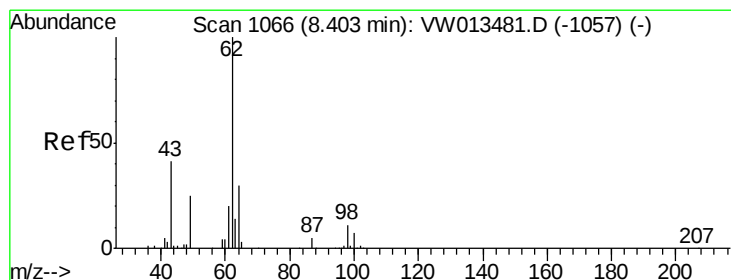
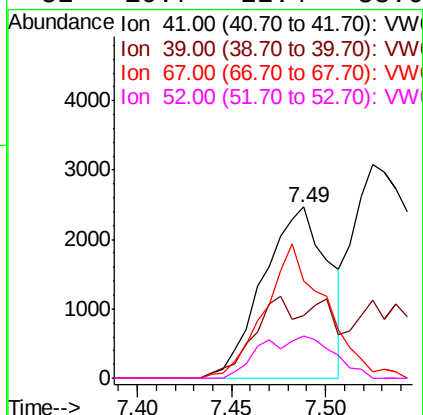
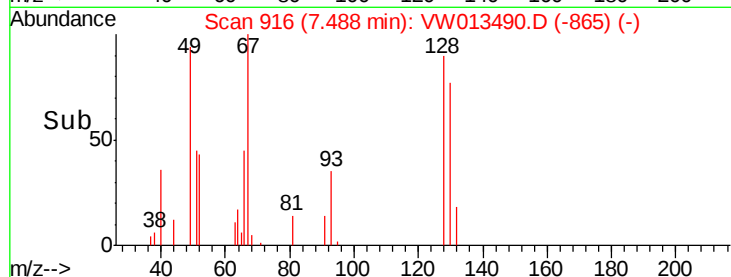
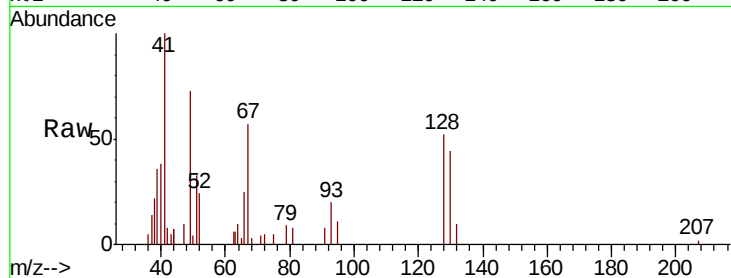




#41
Methacrylonitrile
Concen: 5.137 ug/l
RT: 7.49 min Scan# 916
Delta R.T. 0.01 min
Lab File: VW013490.D
Acq: 08 Oct 2019 16:45

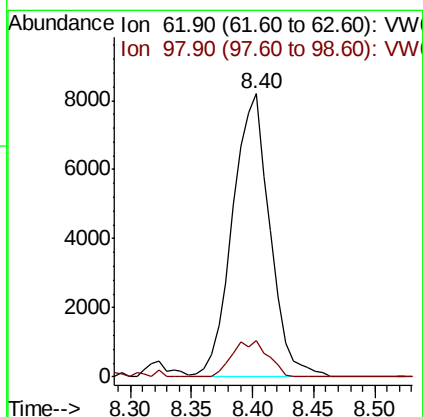
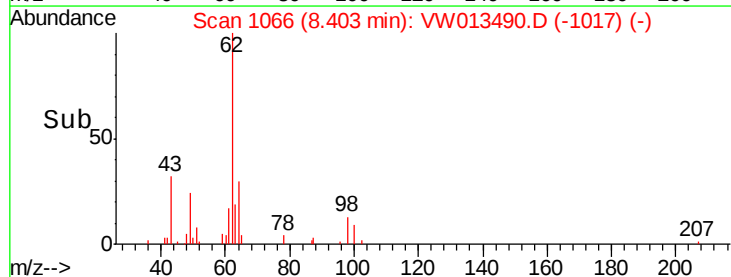
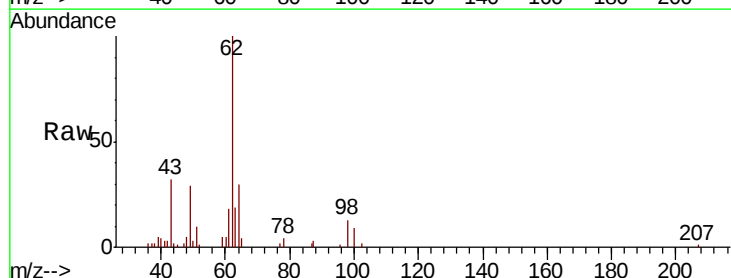
Instrument :
MSVOA_W
ClientSampleId :

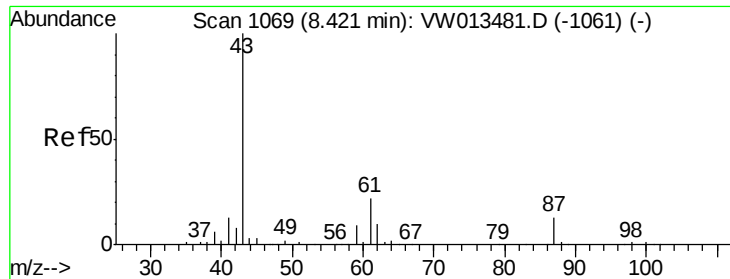
Tot Ion: 41 Resp: 5944
Ion Ratio Lower Upper
41 100
39 28.9 39.4 59.0#
67 73.1 57.0 85.6
52 10.7 22.4 33.6#



#42
1,2-Dichloroethane
Concen: 5.475 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW013490.D
Acq: 08 Oct 2019 16:45

Tgt Ion: 62 Resp: 17324
Ion Ratio Lower Upper
62 100
98 12.2 0.0 21.4





#43

Isopropyl Acetate

Concen: 5.325 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.01 min

Lab File: VW013490.D

Acq: 08 Oct 2019 16:45

Instrument :

MSVOA_W

ClientSampleId :

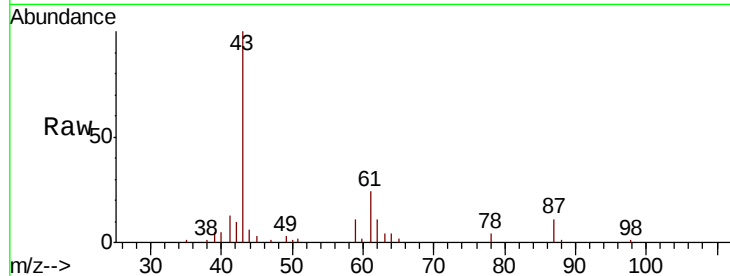
Tot Ion: 43 Resp: 19576

Ion Ratio Lower Upper

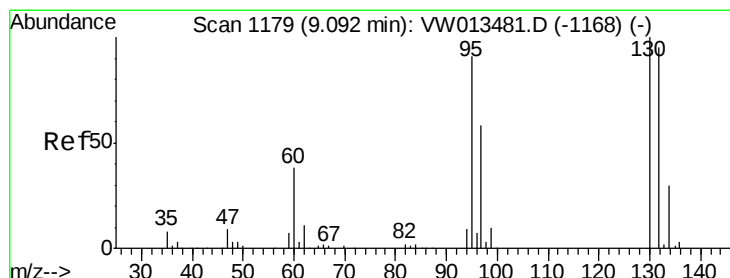
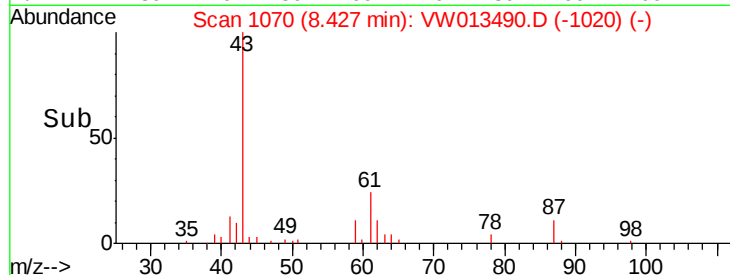
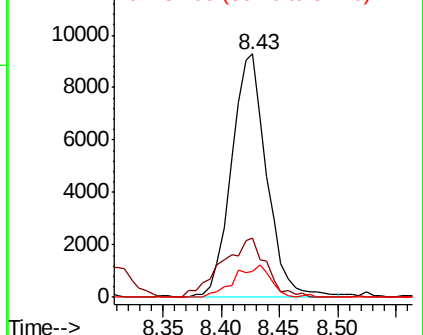
43 100

61 30.4 25.4 38.2

87 13.3 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: 5.404 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW013490.D

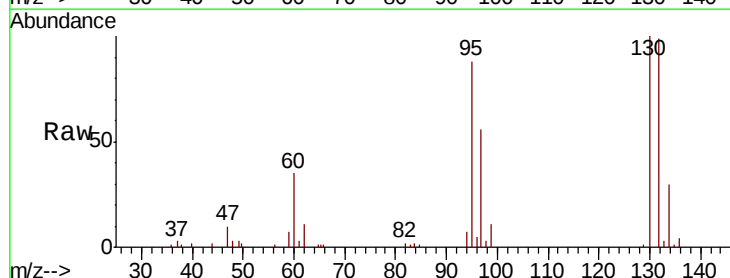
Acq: 08 Oct 2019 16:45

Tgt Ion: 130 Resp: 19300

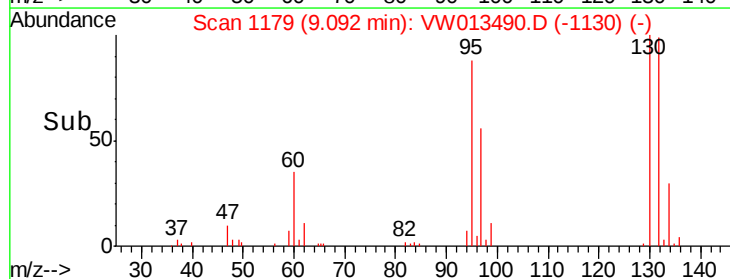
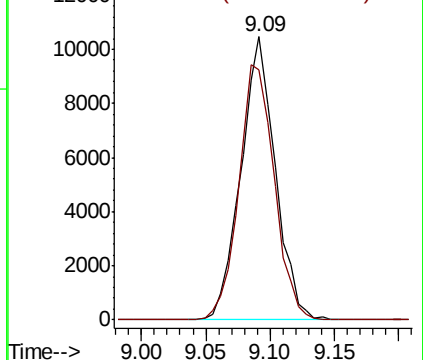
Ion Ratio Lower Upper

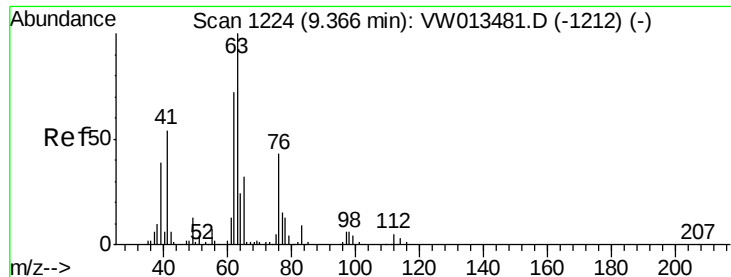
130 100

95 88.2 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: 5.398 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW013490.D

Acq: 08 Oct 2019 16:45

Instrument :

MSVOA_W

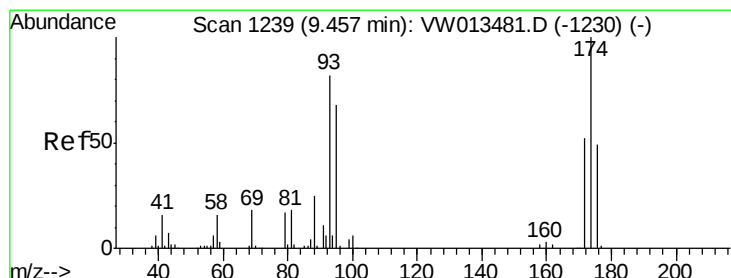
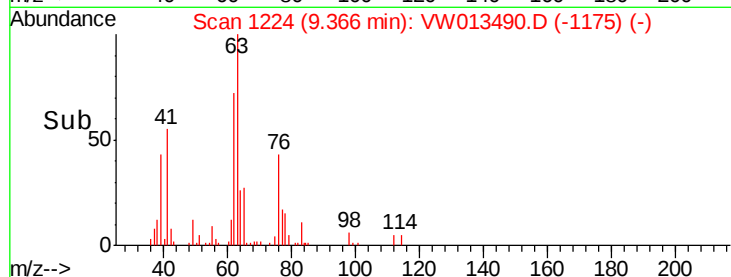
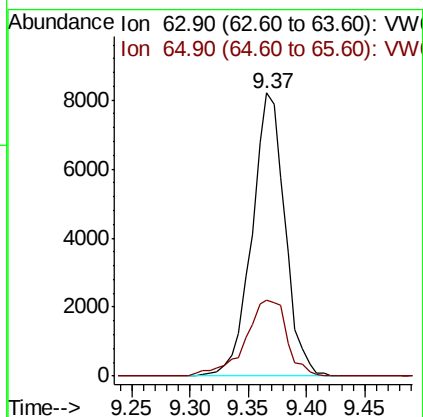
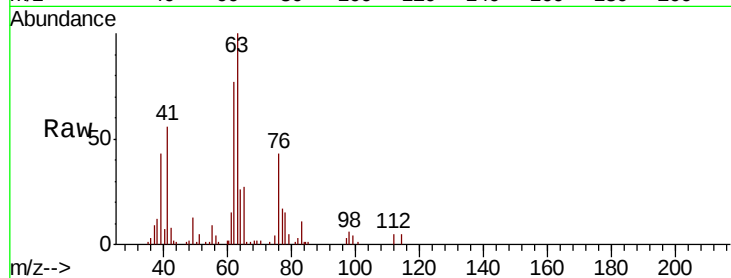
ClientSampled :

Tot Ion: 63 Resp: 16219

Ion Ratio Lower Upper

63 100

65 26.9 25.8 38.6



#46

Dibromomethane

Concen: 5.417 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VW013490.D

Acq: 08 Oct 2019 16:45

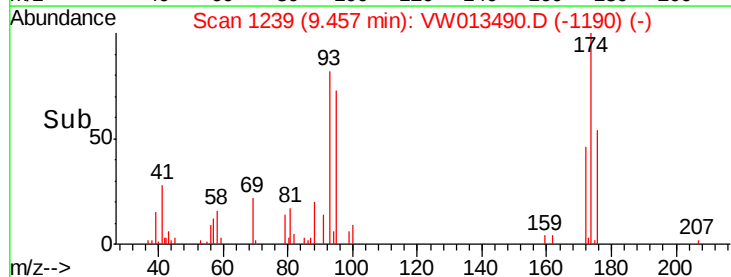
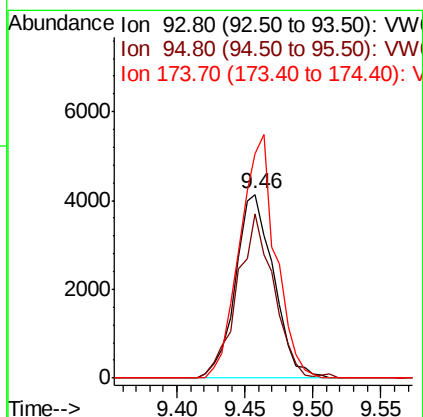
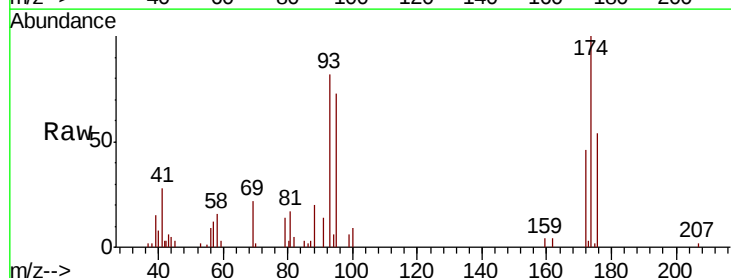
Tgt Ion: 93 Resp: 8109

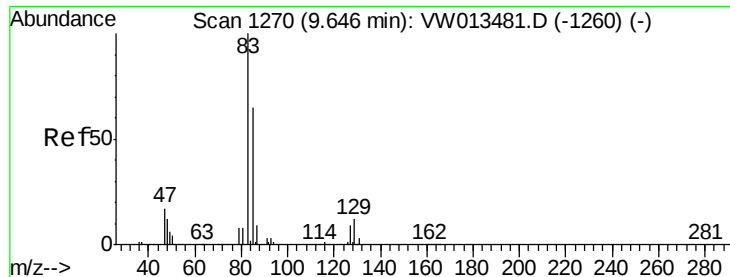
Ion Ratio Lower Upper

93 100

95 85.8 68.0 102.0

174 124.2 97.0 145.6

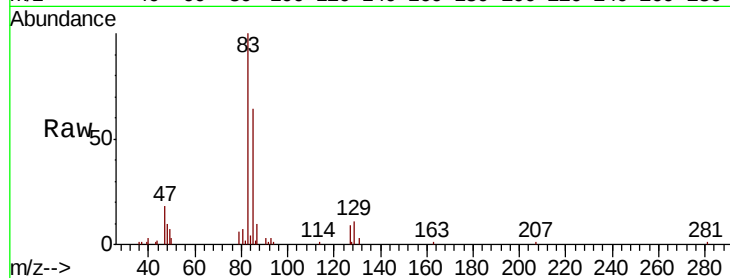




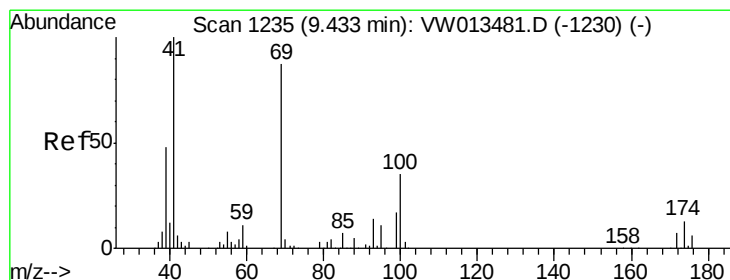
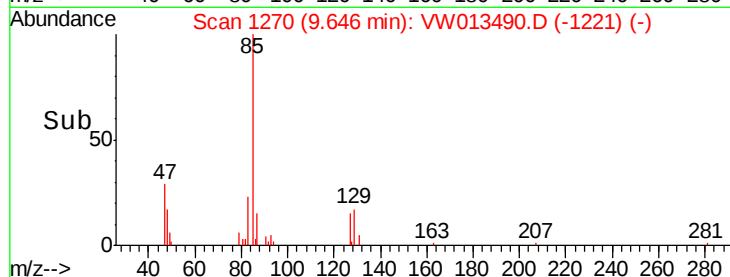
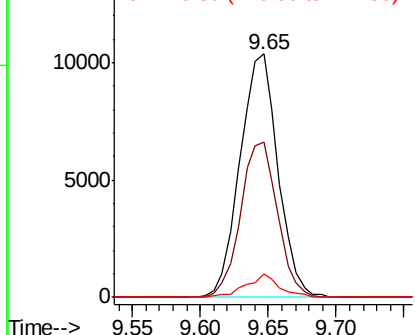
#47
Bromodichloromethane
Concen: 5.434 ug/l
RT: 9.65 min Scan# 1270
Delta R.T. 0.00 min
Lab File: VW013490.D
Acq: 08 Oct 2019 16:45

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 83 Resp: 20222
Ion Ratio Lower Upper
83 100
85 63.6 51.9 77.9
127 9.4 7.4 11.2

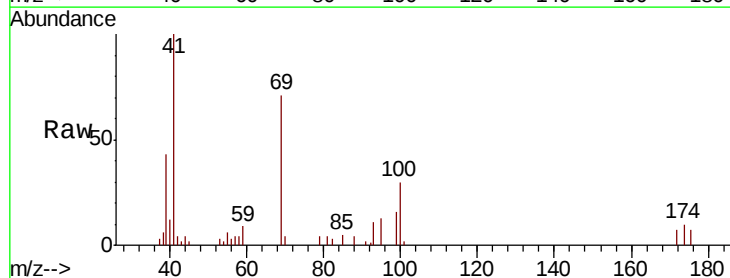


Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 84.90 (84.60 to 85.60): VW
Ion 126.80 (126.50 to 127.50): V

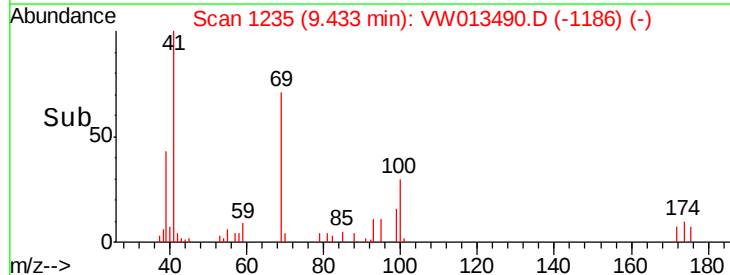
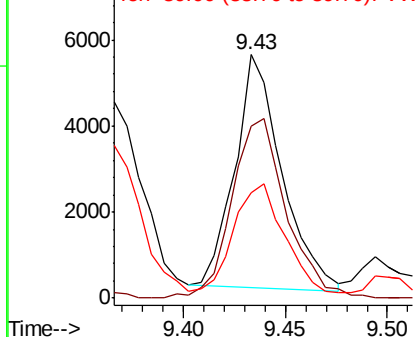


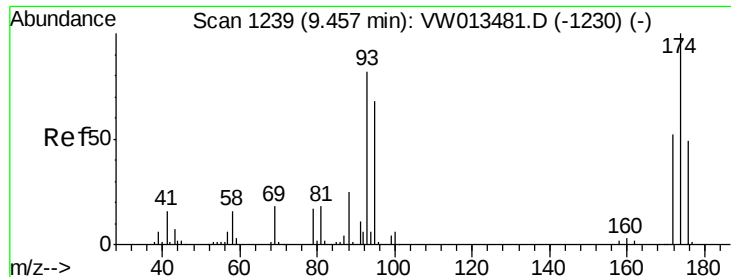
#48
Methyl methacrylate
Concen: 4.792 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. 0.00 min
Lab File: VW013490.D
Acq: 08 Oct 2019 16:45

Tgt Ion: 41 Resp: 8677
Ion Ratio Lower Upper
41 100
69 89.2 70.4 105.6
39 50.6 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

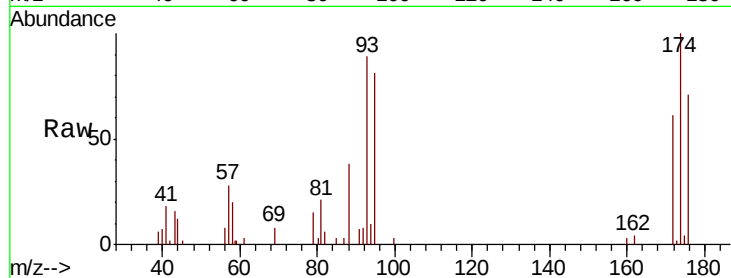




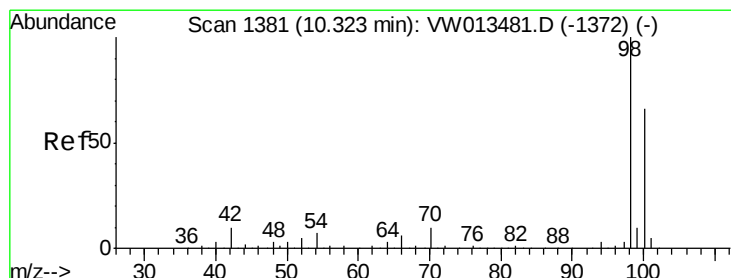
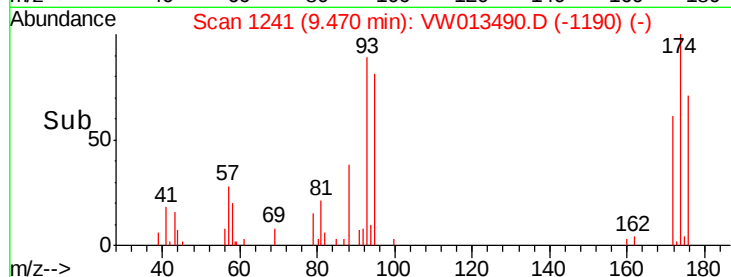
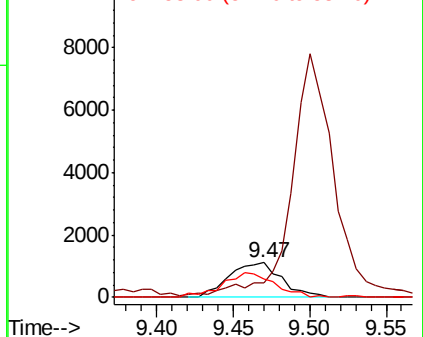
#49
1,4-Dioxane
Concen: 100.593 ug/l
RT: 9.47 min Scan# 1241
Delta R.T. 0.01 min
Lab File: VW013490.D
Acq: 08 Oct 2019 16:45

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 88 Resp: 2644
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 70.4 60.0 90.0

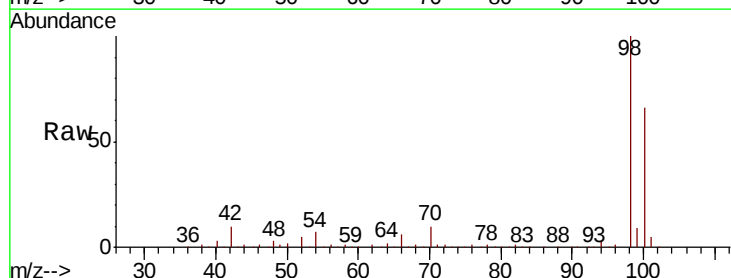


Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

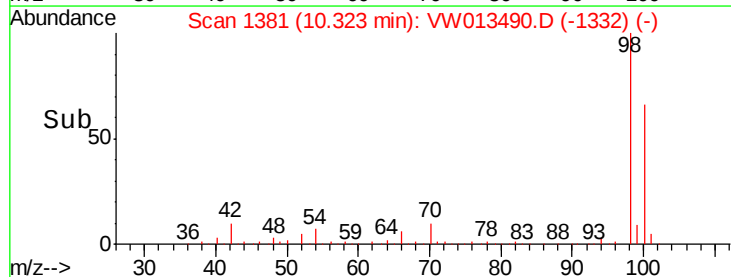
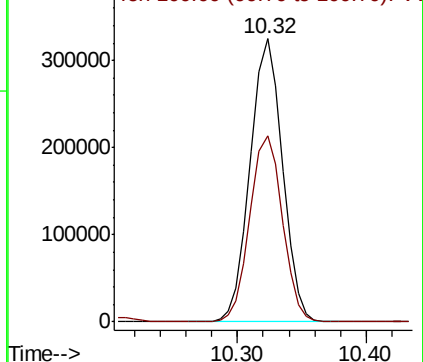


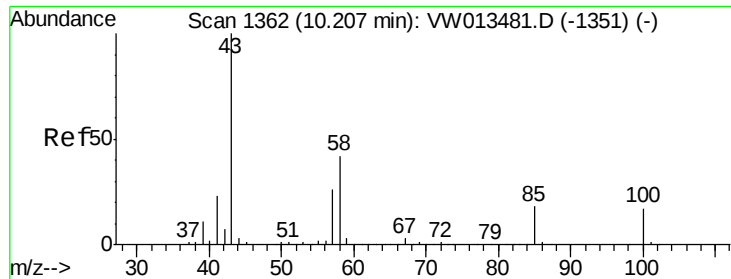
#50
Toluene-d8
Concen: 48.468 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW013490.D
Acq: 08 Oct 2019 16:45

Tgt Ion: 98 Resp: 563976
Ion Ratio Lower Upper
98 100
100 66.3 53.2 79.8



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





#51

4-Methyl-2-Pentanone

Concen: 25.935 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW013490.D

Acq: 08 Oct 2019 16:45

Instrument :

MSVOA_W

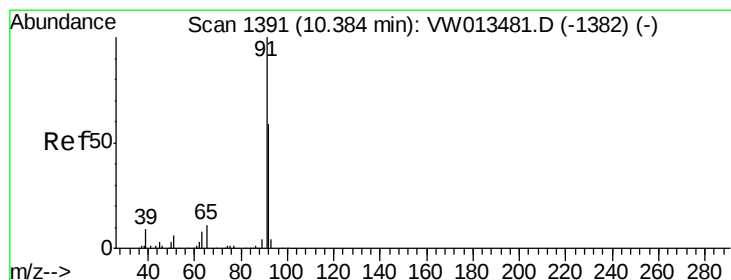
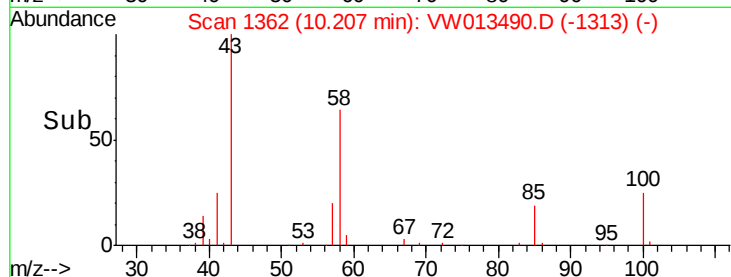
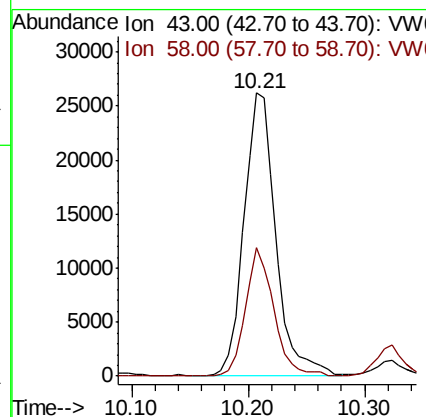
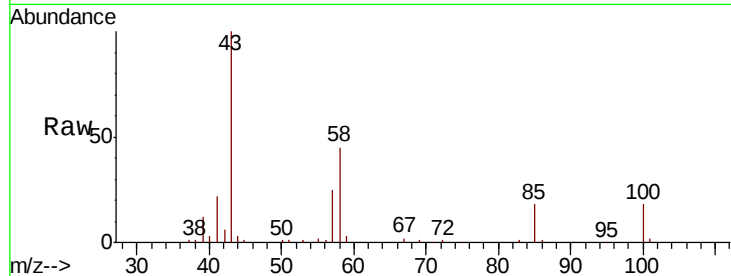
ClientSampled :

Tot Ion: 43 Resp: 50124

Ion Ratio Lower Upper

43 100

58 40.3 32.8 49.2



#52

Toluene

Concen: 5.364 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW013490.D

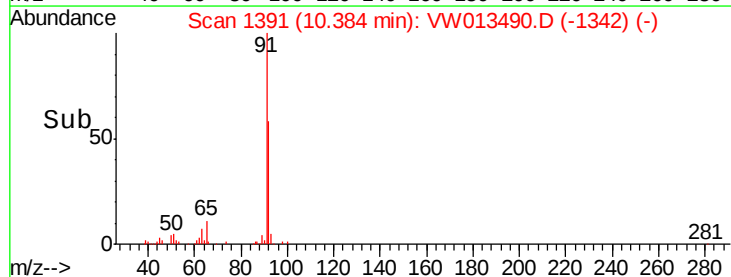
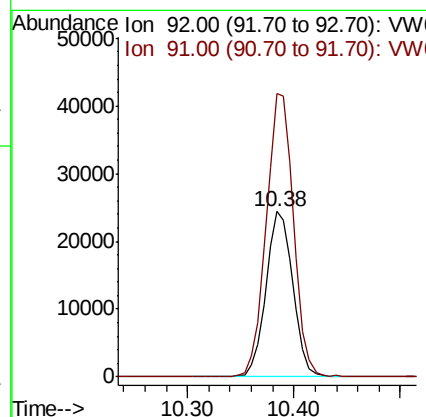
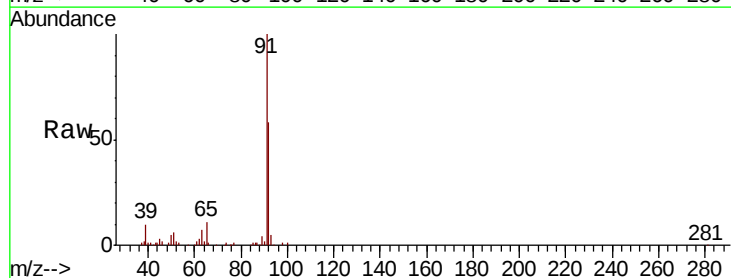
Acq: 08 Oct 2019 16:45

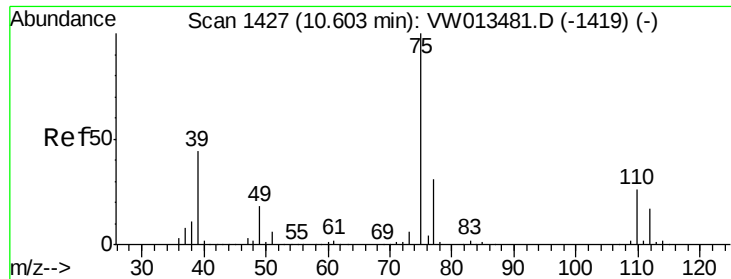
Tgt Ion: 92 Resp: 43256

Ion Ratio Lower Upper

92 100

91 173.7 134.8 202.2

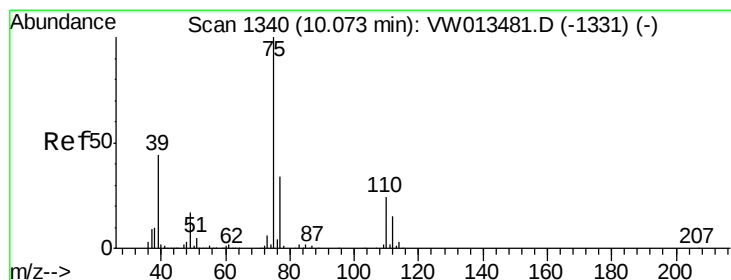
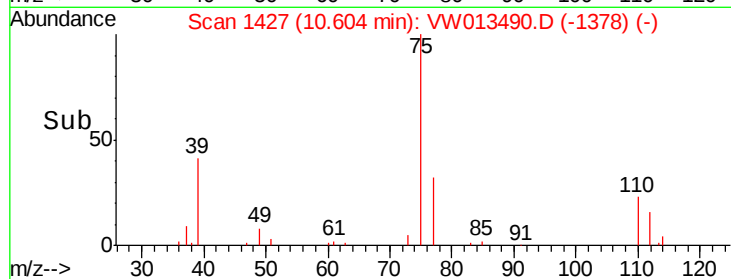
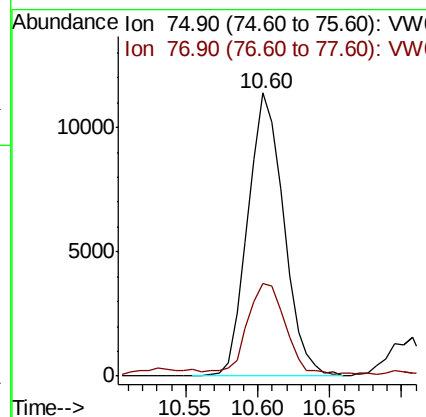
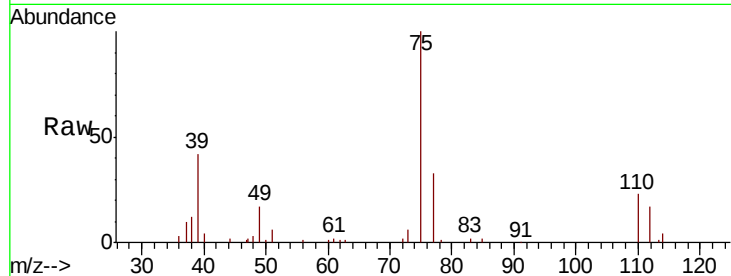




#53
 t-1,3-Dichloropropene
 Concen: 5.106 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. 0.00 min
 Lab File: VW013490.D
 Acq: 08 Oct 2019 16:45

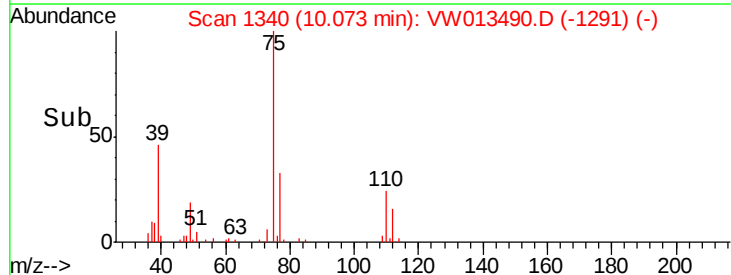
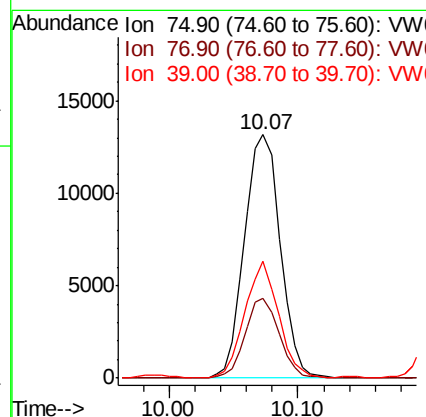
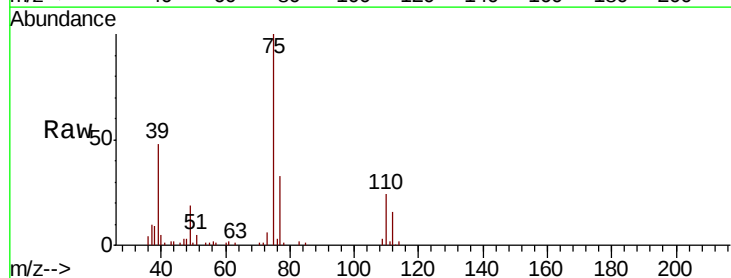
Instrument :
 MSVOA_W
 ClientSampled :

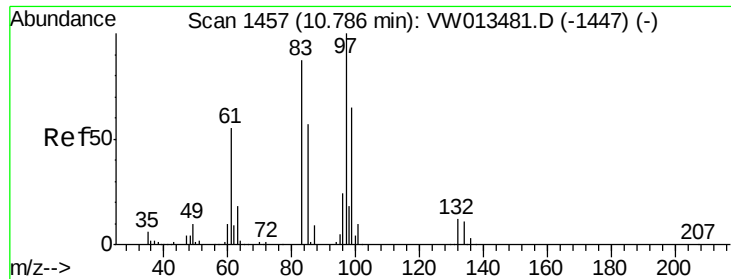
Tot Ion: 75 Resp: 19743
 Ion Ratio Lower Upper
 75 100
 77 31.9 25.2 37.8



#54
 cis-1,3-Dichloropropene
 Concen: 5.399 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VW013490.D
 Acq: 08 Oct 2019 16:45

Tgt Ion: 75 Resp: 25293
 Ion Ratio Lower Upper
 75 100
 77 32.7 27.0 40.4
 39 48.1 35.0 52.4





#55

1,1,2-Trichloroethane

Concen: 5.534 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW013490.D

Acq: 08 Oct 2019 16:45

Instrument :

MSVOA_W

ClientSampled :

Tot Ion: 97 Resp: 12434

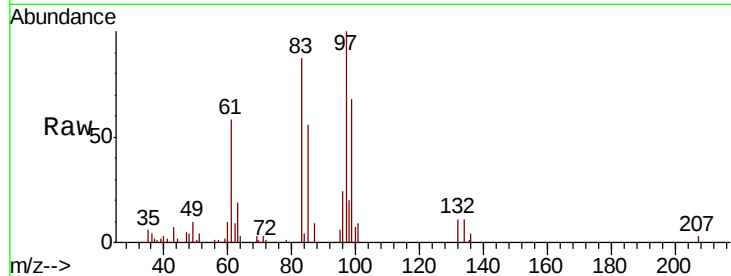
Ion Ratio Lower Upper

97 100

83 87.2 69.8 104.8

85 55.9 45.4 68.0

99 67.8 51.9 77.9



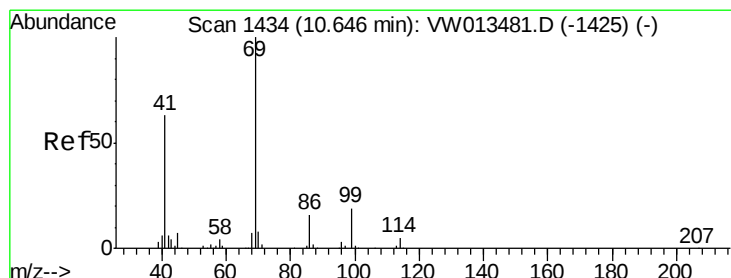
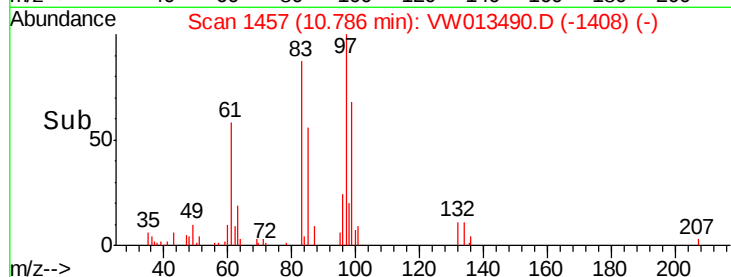
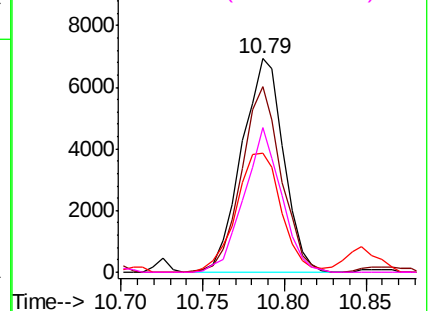
Abundance

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: 4.637 ug/l

RT: 10.65 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW013490.D

Acq: 08 Oct 2019 16:45

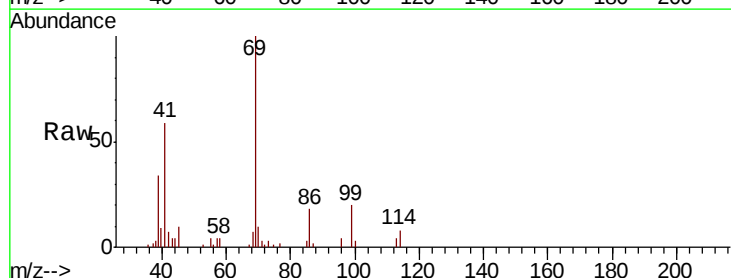
Tgt Ion: 69 Resp: 14033

Ion Ratio Lower Upper

69 100

41 68.9 51.8 77.6

39 31.3 21.7 32.5

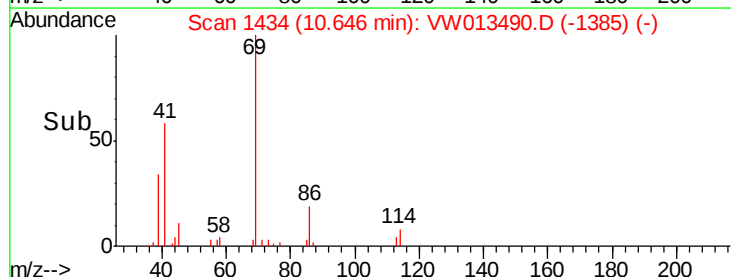
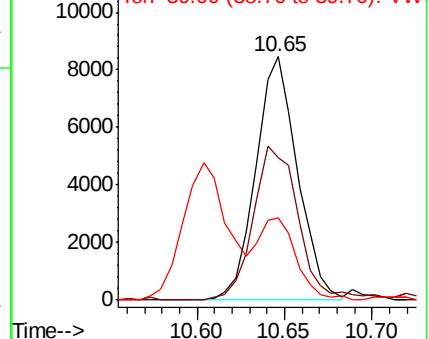


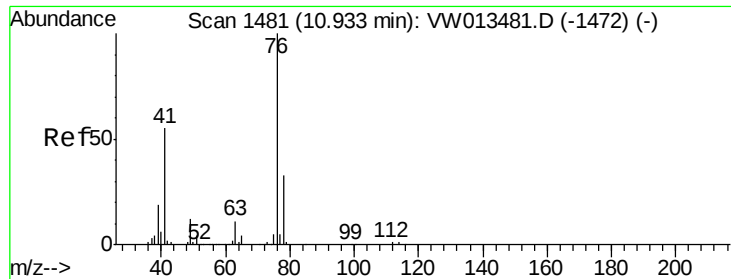
Abundance

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

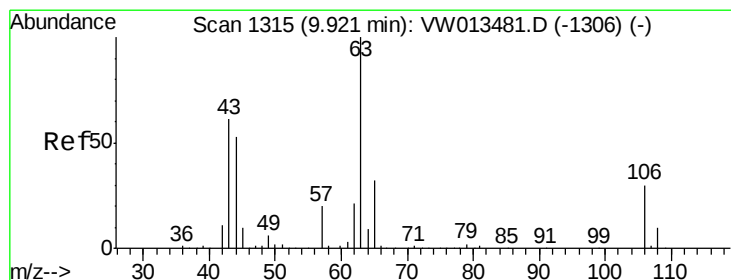
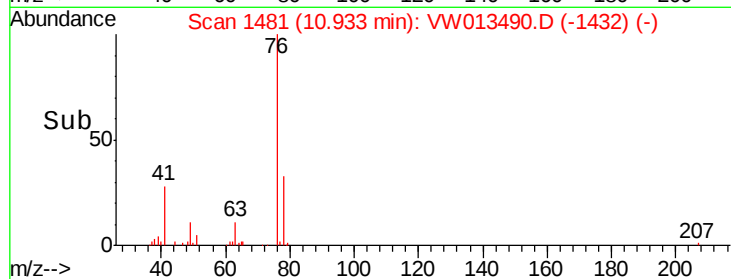
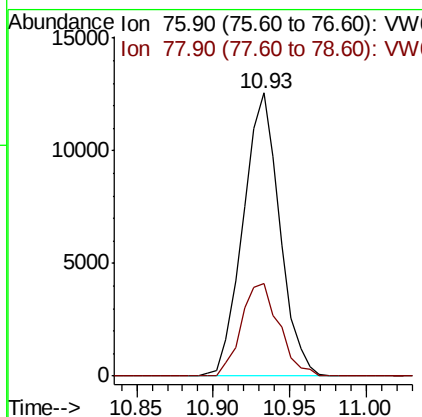
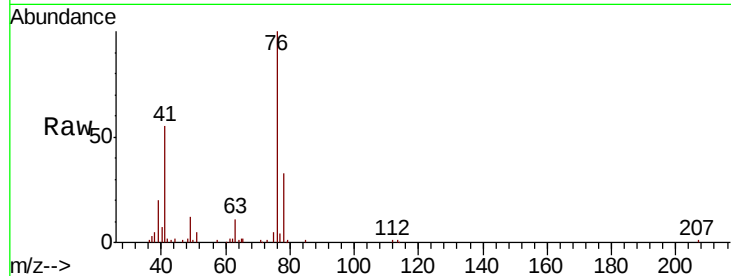




#57
 1,3-Dichloropropane
 Concen: 5.416 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW013490.D
 Acq: 08 Oct 2019 16:45

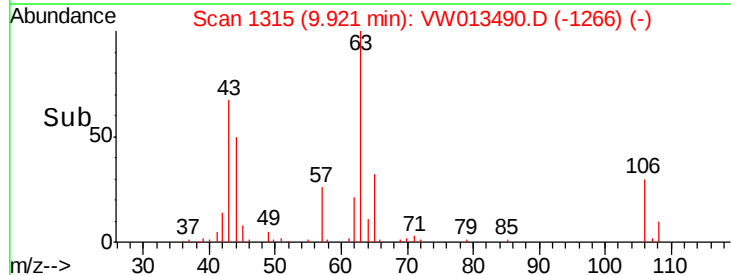
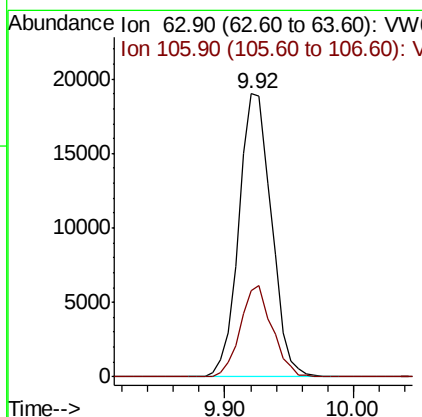
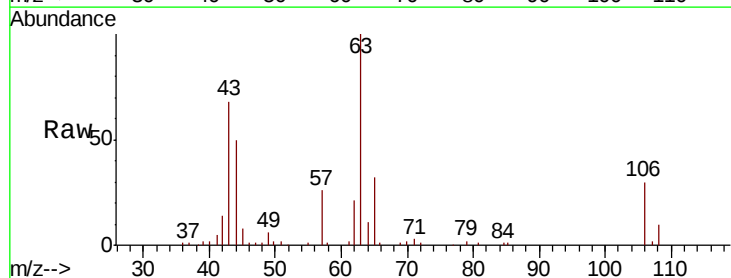
Instrument :
 MSVOA_W
 ClientSampled :

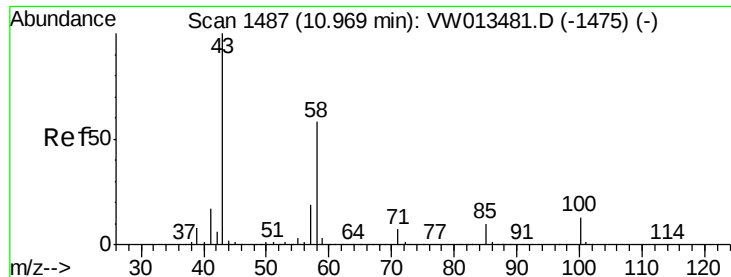
Tot Ion: 76 Resp: 20896
 Ion Ratio Lower Upper
 76 100
 78 33.7 25.9 38.9



#58
 2-Chloroethyl Vinyl ether
 Concen: 23.273 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW013490.D
 Acq: 08 Oct 2019 16:45

Tgt Ion: 63 Resp: 33226
 Ion Ratio Lower Upper
 63 100
 106 31.4 24.5 36.7

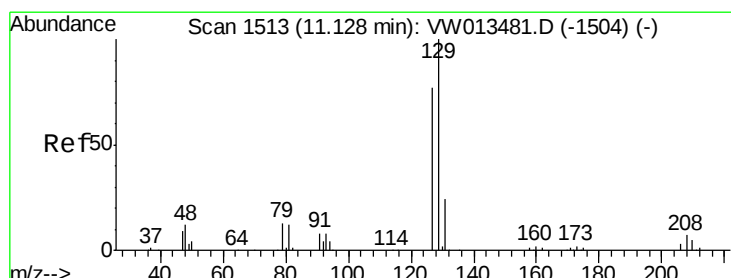
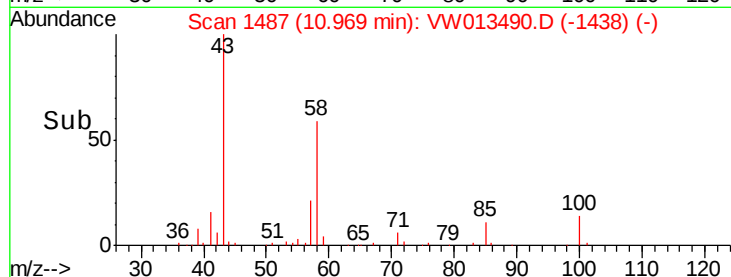
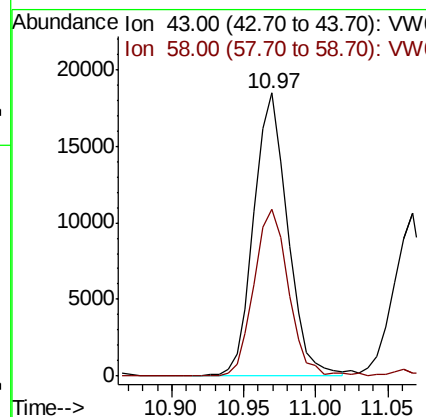
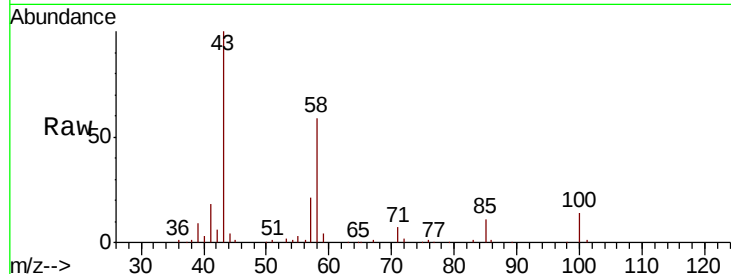




#59
2-Hexanone
Concen: 22.576 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW013490.D
Acq: 08 Oct 2019 16:45

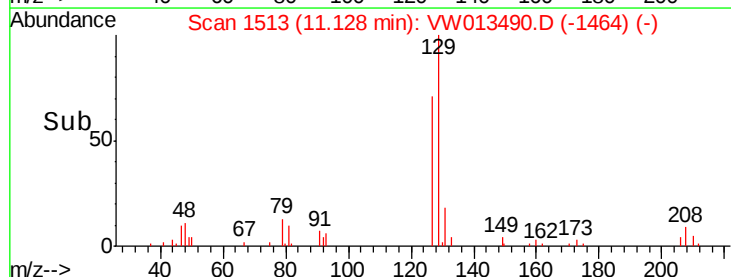
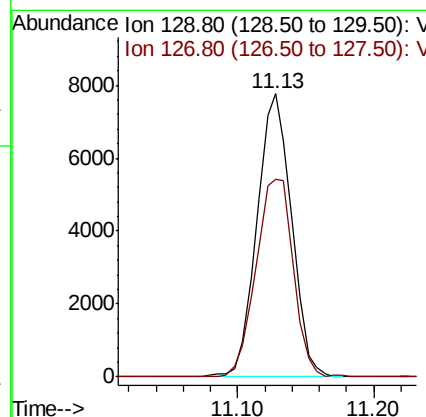
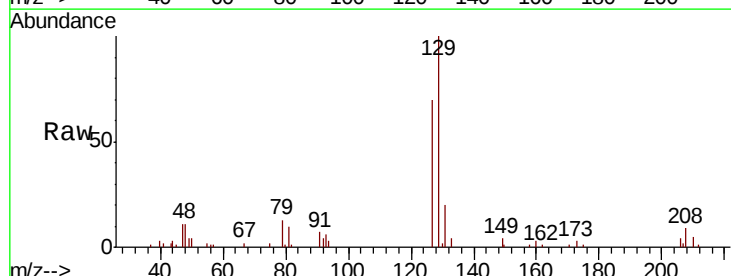
Instrument :
MSVOA_W
ClientSampleId :

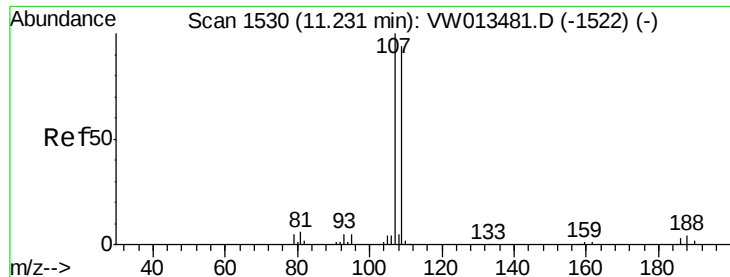
Tot Ion: 43 Resp: 29920
Ion Ratio Lower Upper
43 100
58 60.5 28.4 85.2



#60
Dibromochloromethane
Concen: 5.347 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW013490.D
Acq: 08 Oct 2019 16:45

Tgt Ion: 129 Resp: 13816
Ion Ratio Lower Upper
129 100
127 75.6 37.4 112.1

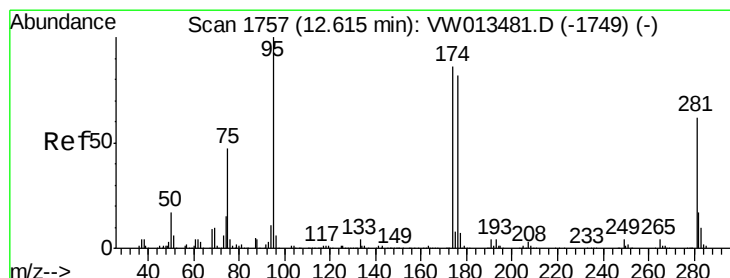
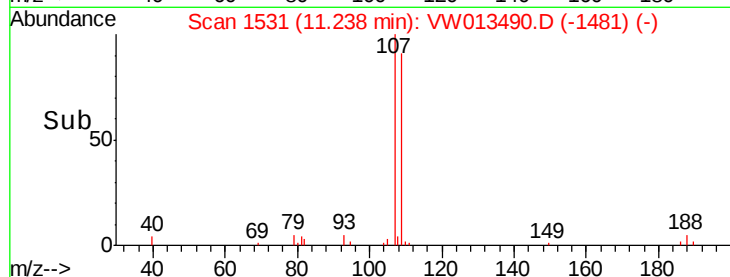
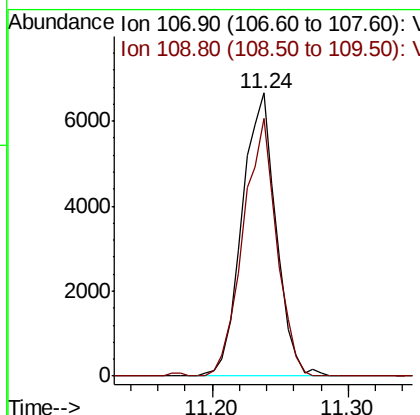
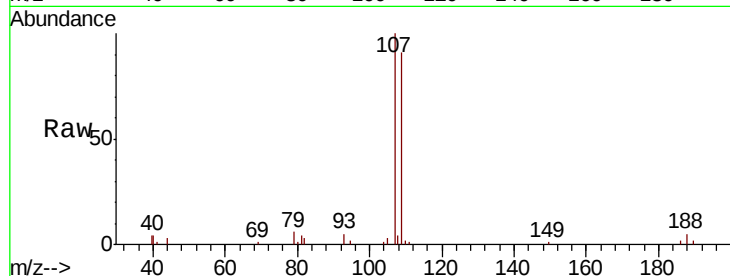




#61
 1,2-Dibromoethane
 Concen: 5.445 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.01 min
 Lab File: VW013490.D
 Acq: 08 Oct 2019 16:45

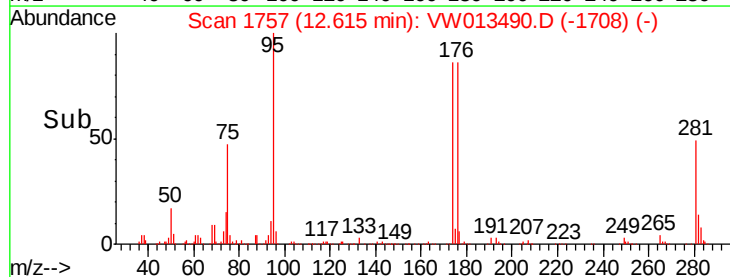
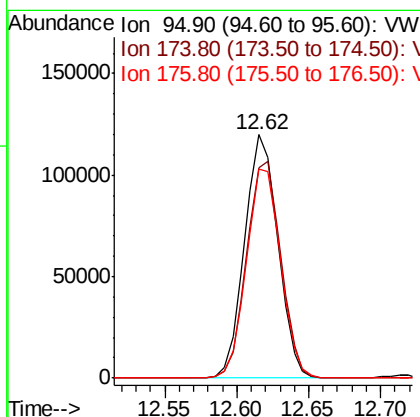
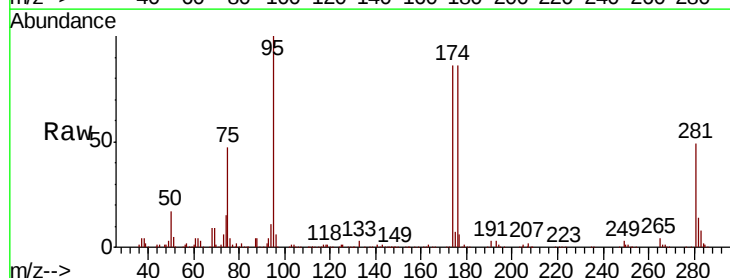
Instrument :
 MSVOA_W
 ClientSampleId :

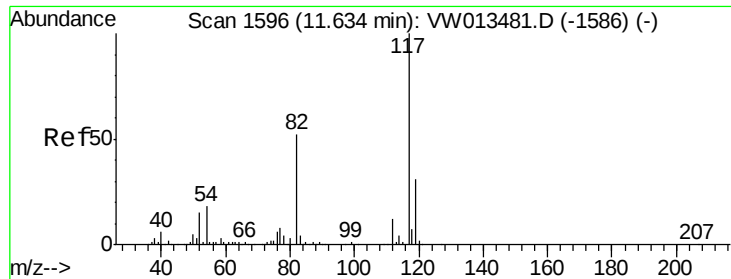
Tot Ion:107 Resp: 11636
 Ion Ratio Lower Upper
 107 100
 109 89.9 76.6 115.0



#62
 4-Bromofluorobenzene
 Concen: 49.025 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.00 min
 Lab File: VW013490.D
 Acq: 08 Oct 2019 16:45

Tgt Ion: 95 Resp: 191635
 Ion Ratio Lower Upper
 95 100
 174 91.3 0.0 177.4
 176 88.1 0.0 173.4

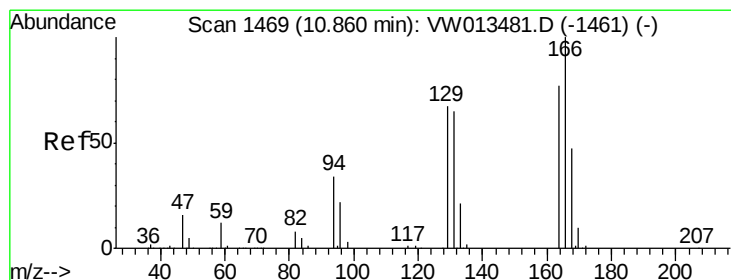
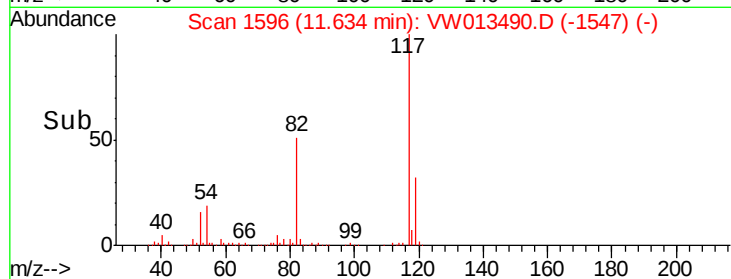
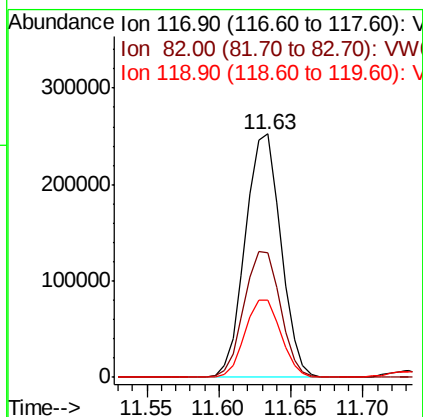
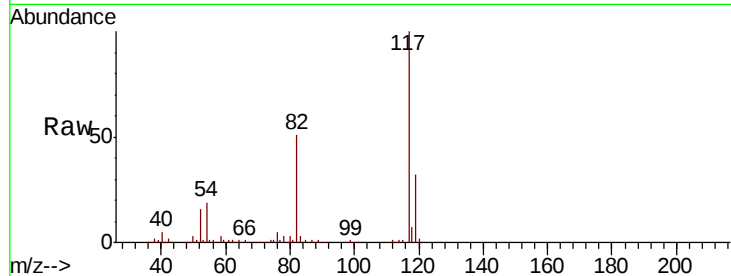




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW013490.D
Acq: 08 Oct 2019 16:45

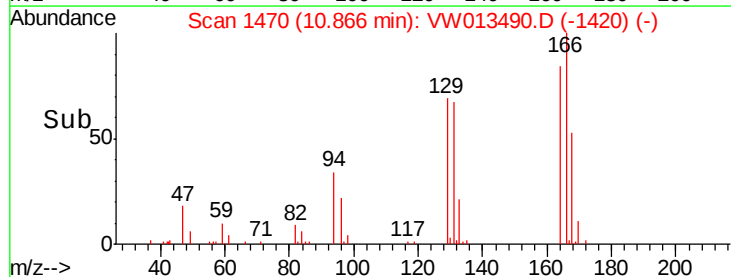
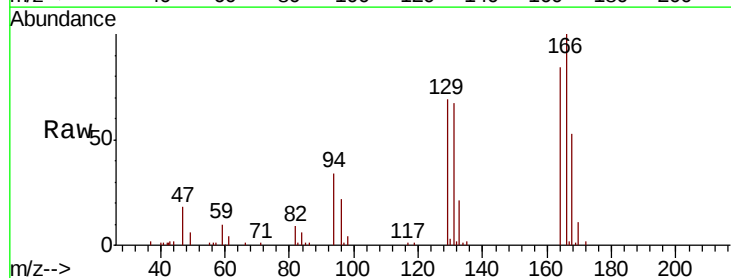
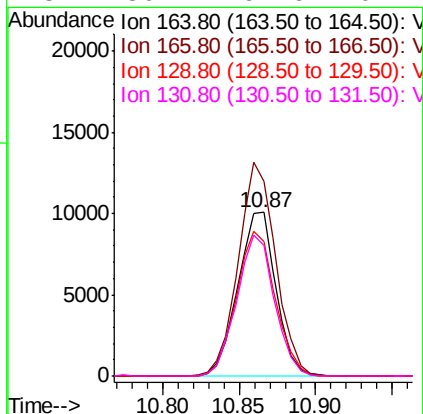
Instrument :
MSVOA_W
ClientSampleId :

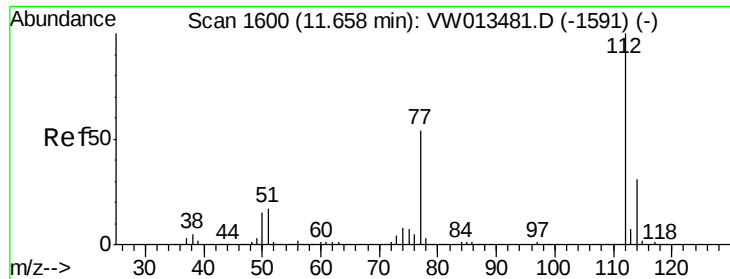
Tot Ion	Ratio	Lower	Upper
117	100		
82	51.1	41.4	62.2
119	31.9	25.1	37.7



#64
Tetrachloroethene
Concen: 5.463 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VW013490.D
Acq: 08 Oct 2019 16:45

Tgt Ion	Ratio	Lower	Upper
164	100		
166	119.4	104.6	156.8
129	82.2	70.2	105.2
131	80.2	67.6	101.4

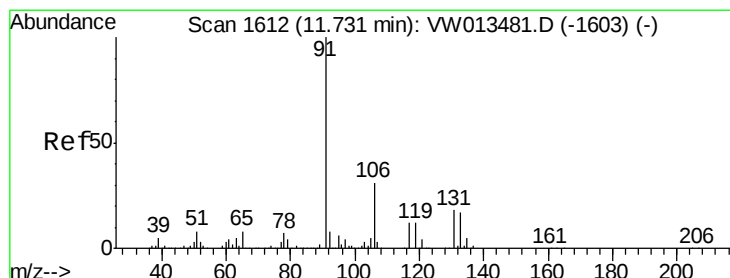
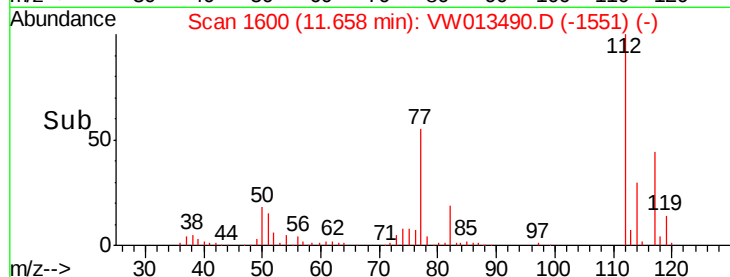
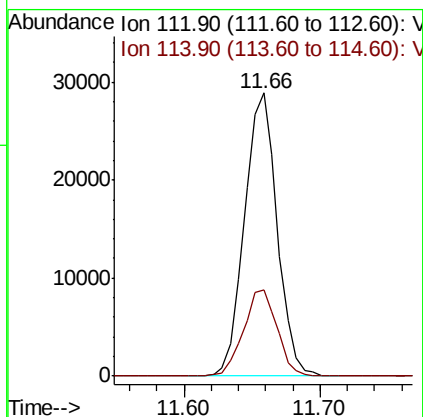
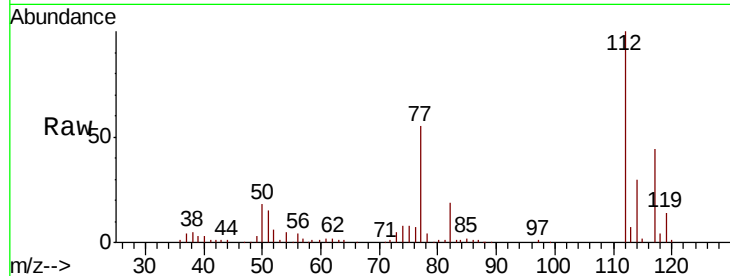




#65
Chlorobenzene
Concen: 5.638 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW013490.D
Acq: 08 Oct 2019 16:45

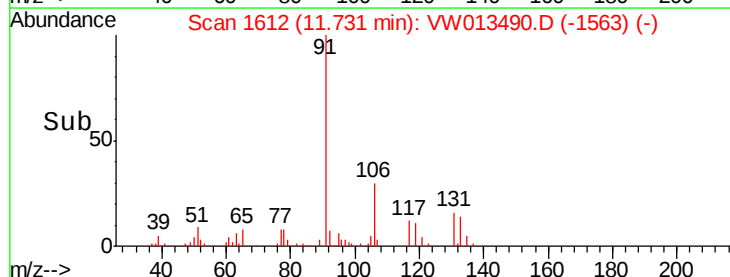
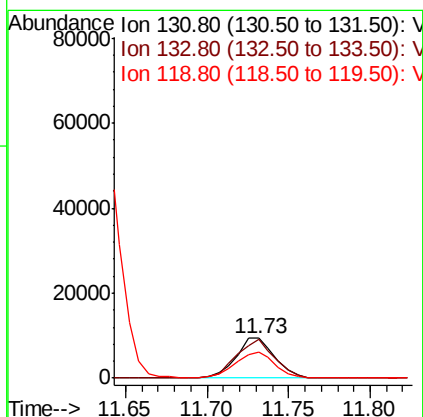
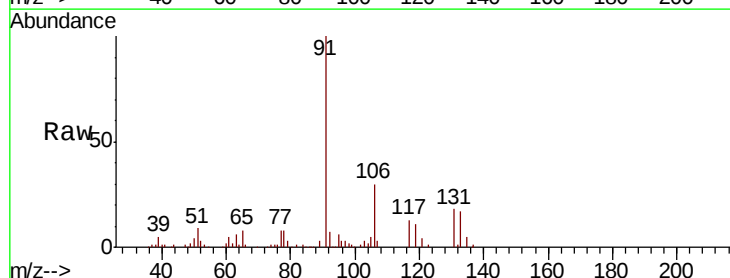
Instrument :
MSVOA_W
ClientSampleId :

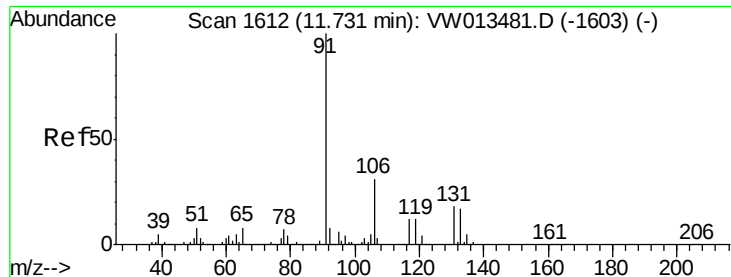
Tot Ion:112 Resp: 48451
Ion Ratio Lower Upper
112 100
114 30.4 24.6 37.0



#66
1,1,1,2-Tetrachloroethane
Concen: 5.198 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW013490.D
Acq: 08 Oct 2019 16:45

Tgt Ion:131 Resp: 15516
Ion Ratio Lower Upper
131 100
133 96.1 47.6 142.9
119 67.0 32.6 98.0

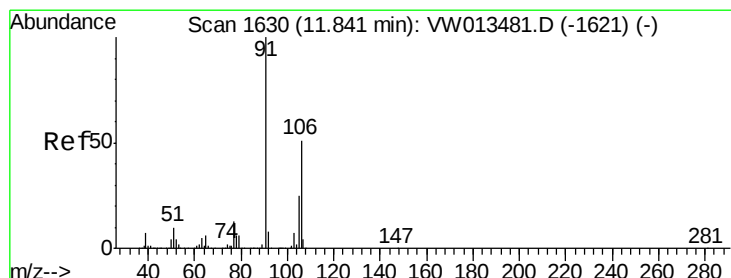
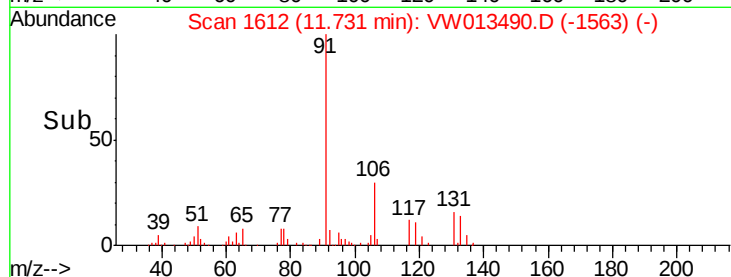
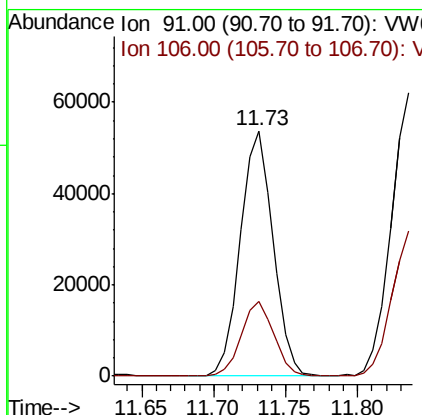
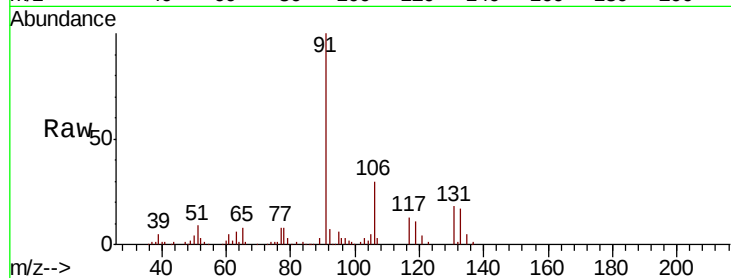




#67
Ethyl Benzene
Concen: 5.397 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW013490.D
Acq: 08 Oct 2019 16:45

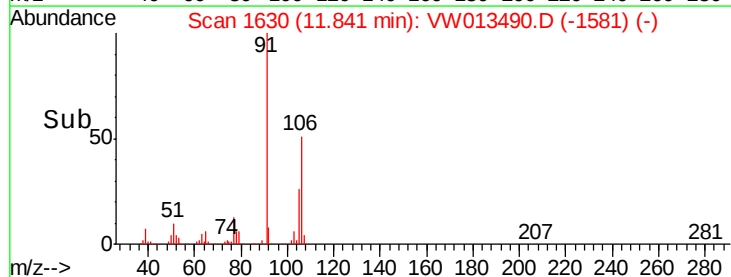
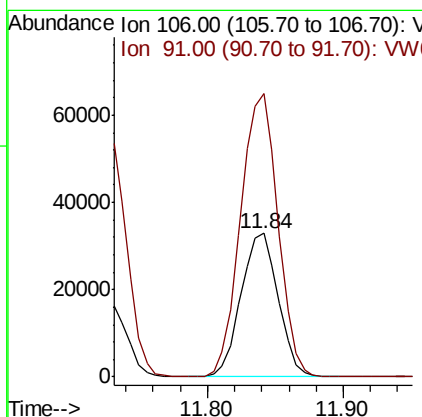
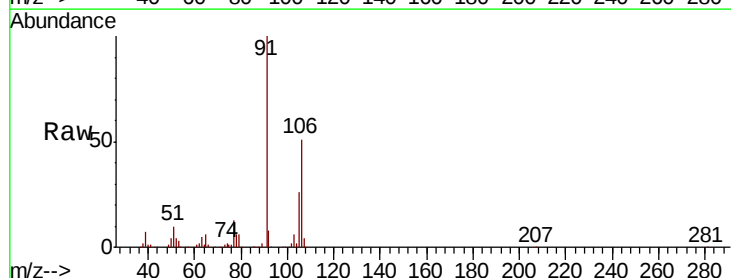
Instrument :
MSVOA_W
ClientSampled :

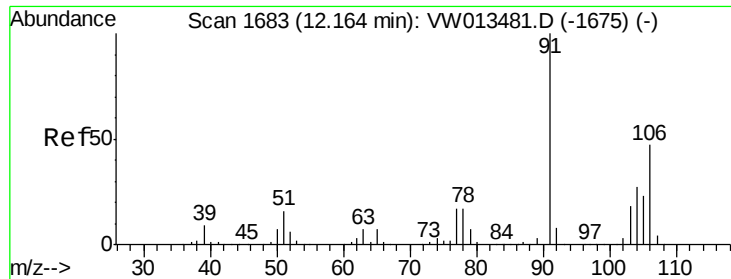
Tot Ion: 91 Resp: 84761
Ion Ratio Lower Upper
91 100
106 30.3 24.8 37.2



#68
m/p-Xylenes
Concen: 10.570 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW013490.D
Acq: 08 Oct 2019 16:45

Tgt Ion: 106 Resp: 63167
Ion Ratio Lower Upper
106 100
91 197.9 156.2 234.4

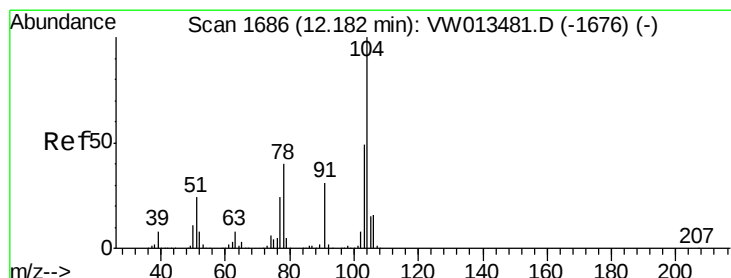
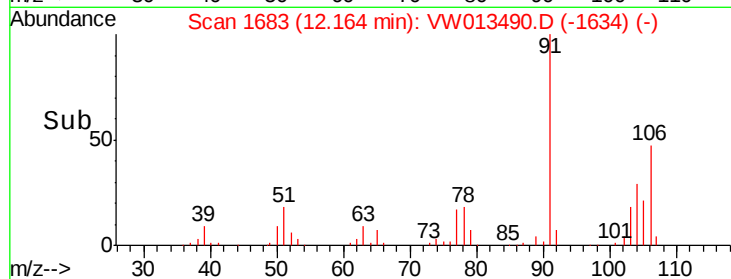
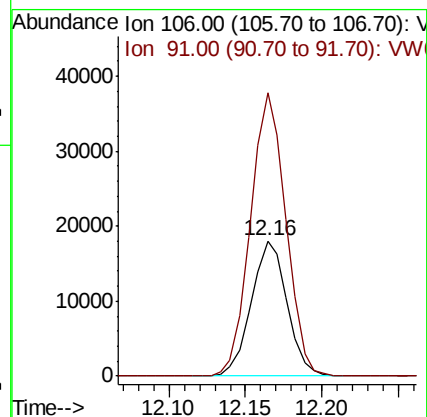
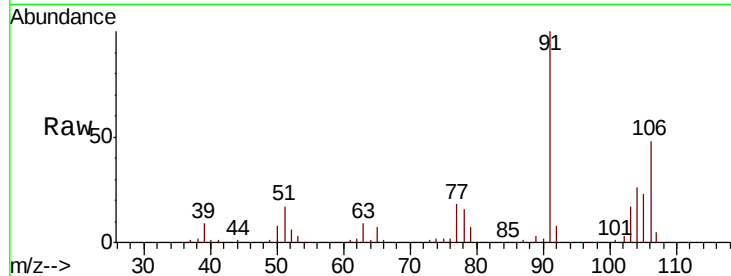




#69
o-Xylene
Concen: 5.291 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW013490.D
Acq: 08 Oct 2019 16:45

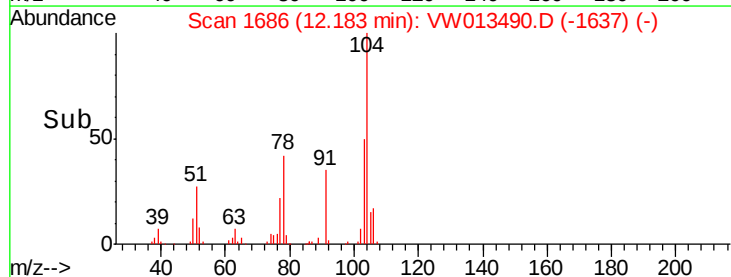
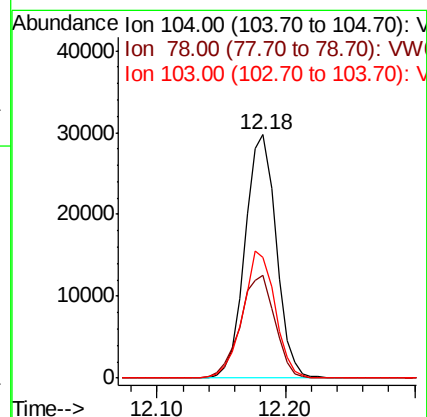
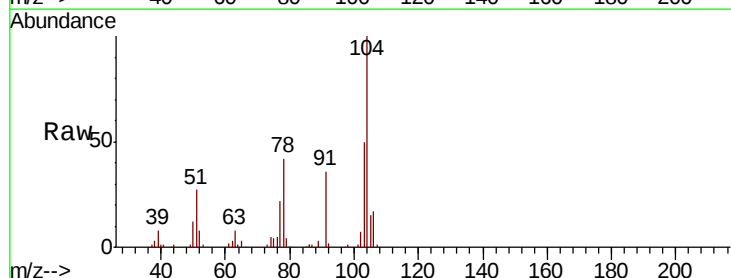
Instrument :
MSVOA_W
ClientSampled :

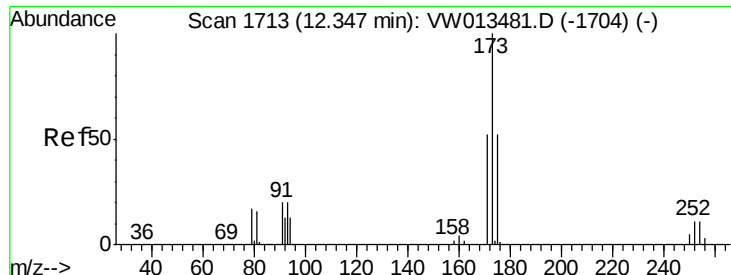
Tot Ion:106 Resp: 29212
Ion Ratio Lower Upper
106 100
91 207.9 105.0 315.0



#70
Styrene
Concen: 5.245 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW013490.D
Acq: 08 Oct 2019 16:45

Tgt Ion:104 Resp: 49717
Ion Ratio Lower Upper
104 100
78 47.1 37.1 55.7
103 54.1 43.2 64.8





#71

Bromoform

Concen: 4.973 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW013490.D

Acq: 08 Oct 2019 16:45

Instrument :

MSVOA_W

ClientSampleId :

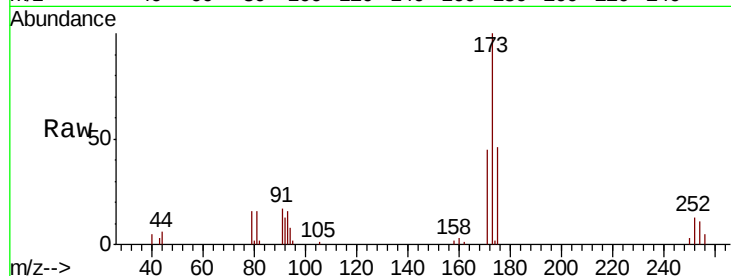
Tot Ion:173 Resp: 8144

Ion Ratio Lower Upper

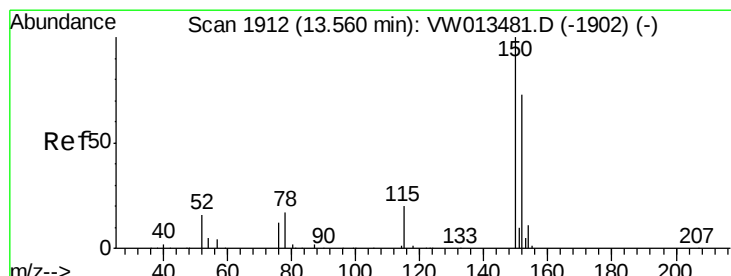
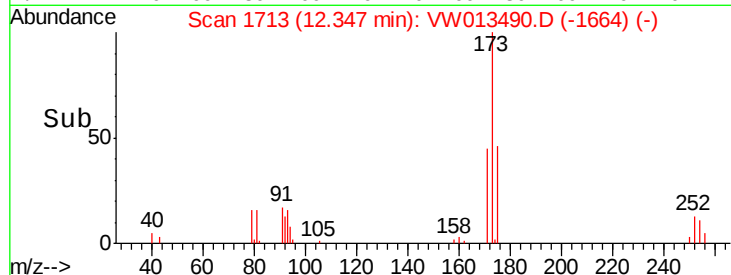
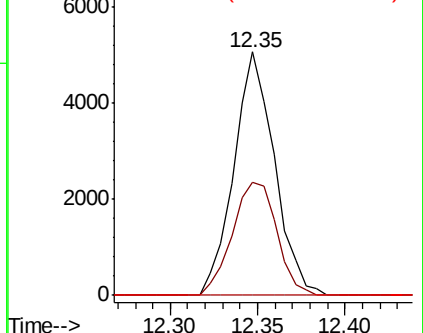
173 100

175 51.1 24.4 73.4

254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW013490.D

Acq: 08 Oct 2019 16:45

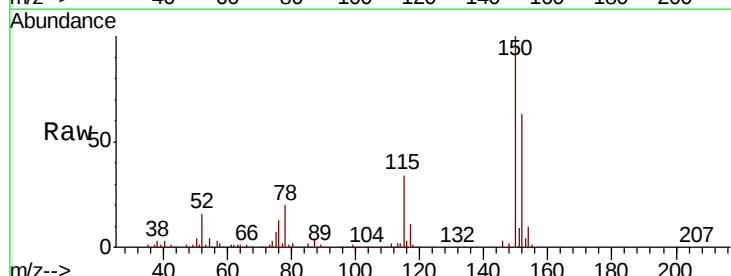
Tgt Ion:152 Resp: 218988

Ion Ratio Lower Upper

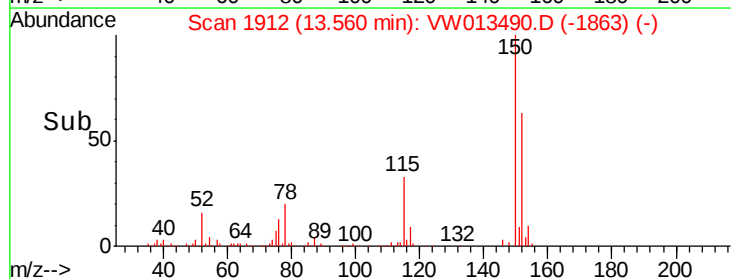
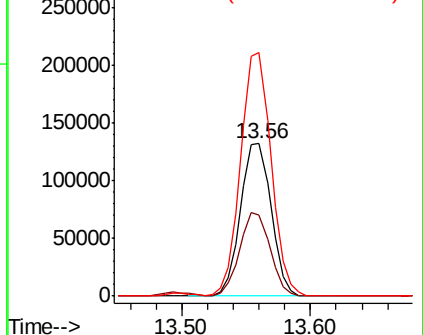
152 100

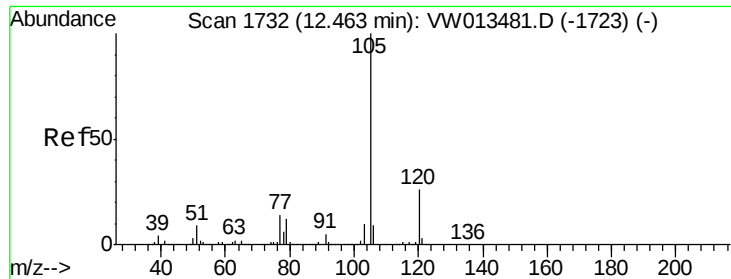
115 54.0 27.0 81.0

150 158.6 0.0 337.4



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





#73

Isopropylbenzene

Concen: 5.165 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW013490.D

Acq: 08 Oct 2019 16:45

Instrument :

MSVOA_W

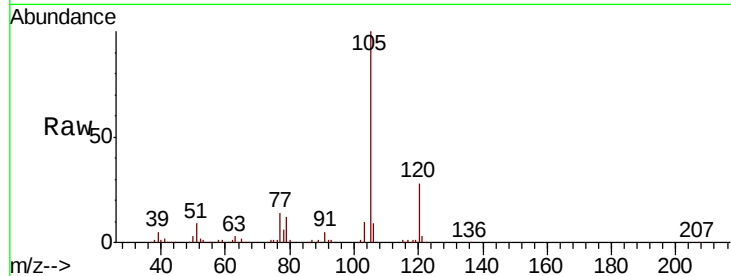
ClientSampled :

Tot Ion:105 Resp: 81027

Ion Ratio Lower Upper

105 100

120 26.9 13.5 40.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

60000

50000

40000

30000

20000

10000

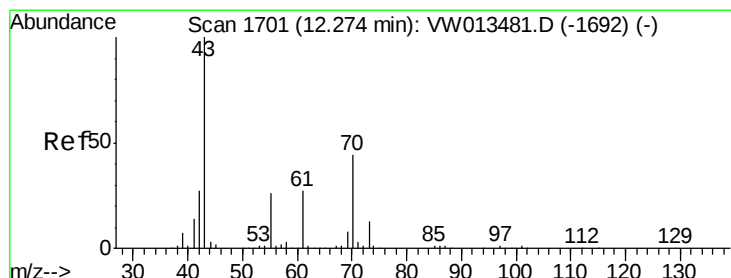
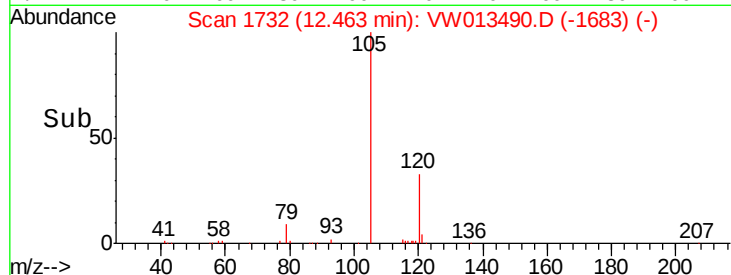
0

12.46

12.40

12.50

Time-->



#74

N-ethyl acetate

Concen: 4.702 ug/l

RT: 12.27 min Scan# 1700

Delta R.T. -0.01 min

Lab File: VW013490.D

Acq: 08 Oct 2019 16:45

Tgt Ion: 43 Resp: 16132

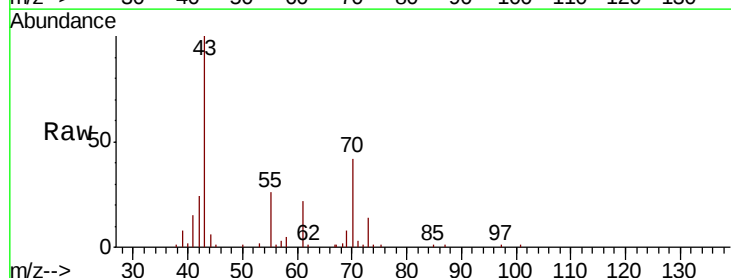
Ion Ratio Lower Upper

43 100

70 44.5 35.3 52.9

55 26.0 20.0 30.0

61 23.9 21.2 31.8



Abundance Ion 43.00 (42.70 to 43.70): VV

Ion 70.00 (69.70 to 70.70): VV

Ion 55.00 (54.70 to 55.70): VV

Ion 61.00 (60.70 to 61.70): VV

15000

10000

5000

0

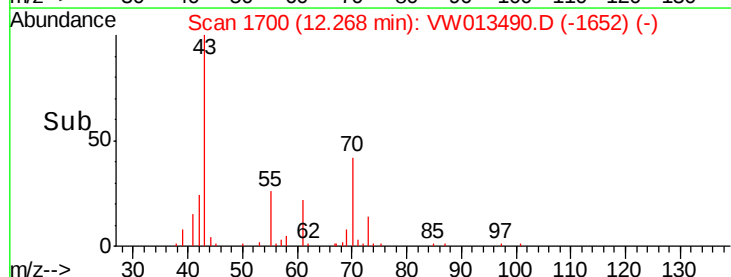
12.27

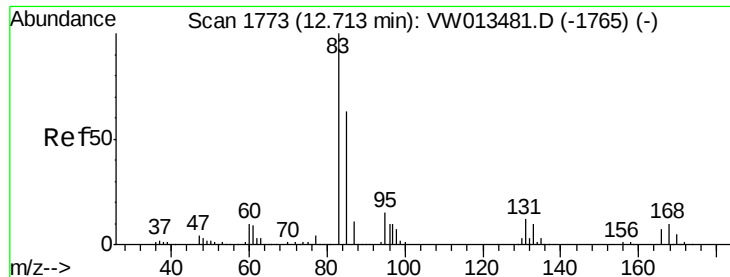
12.20

12.30

12.35

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 5.269 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW013490.D

Acq: 08 Oct 2019 16:45

Instrument :

MSVOA_W

ClientSampled :

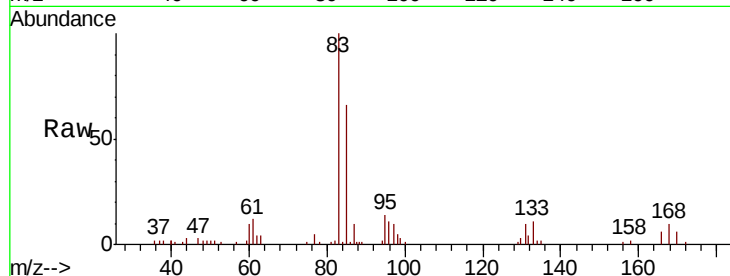
Tot Ion: 83 Resp: 14088

Ion Ratio Lower Upper

83 100

131 11.3 5.9 17.7

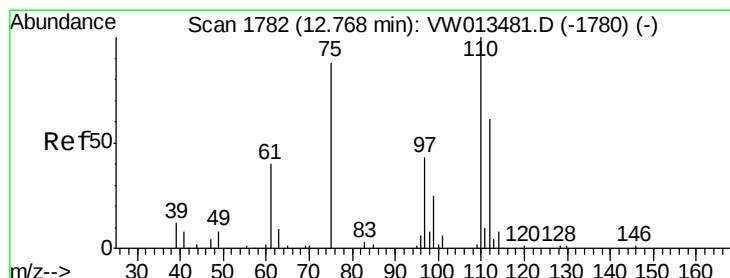
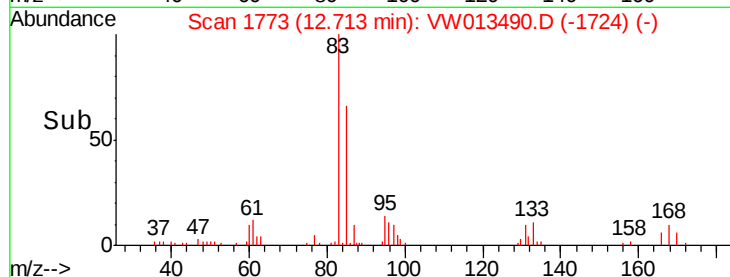
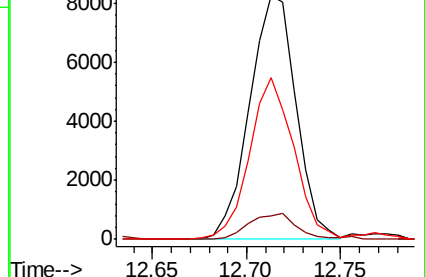
85 62.8 32.5 97.4



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 9.455 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW013490.D

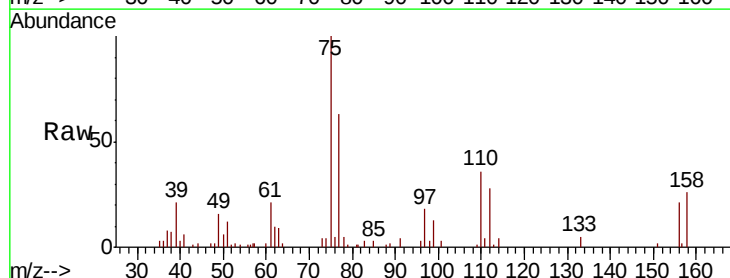
Acq: 08 Oct 2019 16:45

Tgt Ion: 75 Resp: 17245

Ion Ratio Lower Upper

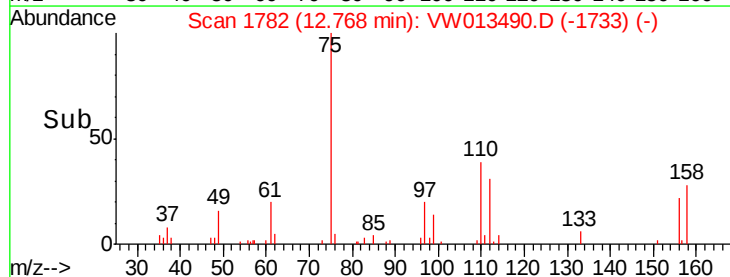
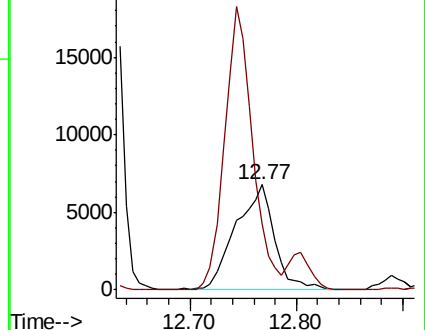
75 100

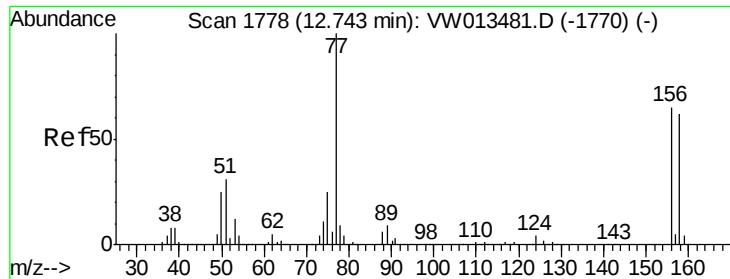
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 5.384 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VW013490.D

Acq: 08 Oct 2019 16:45

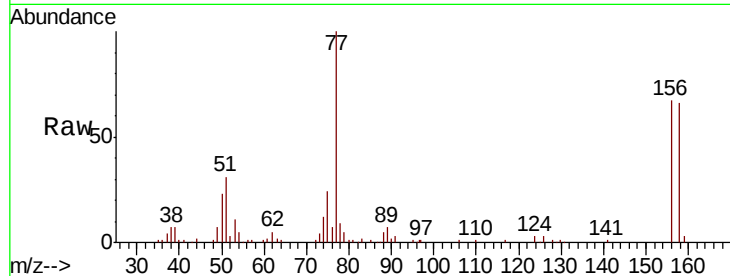
Instrument :

MSVOA_W

ClientSampleId :

Tot Ion:156 Resp: 20017

Ion	Ratio	Lower	Upper
156	100		
77	167.4	83.7	251.0
158	97.5	49.0	147.0

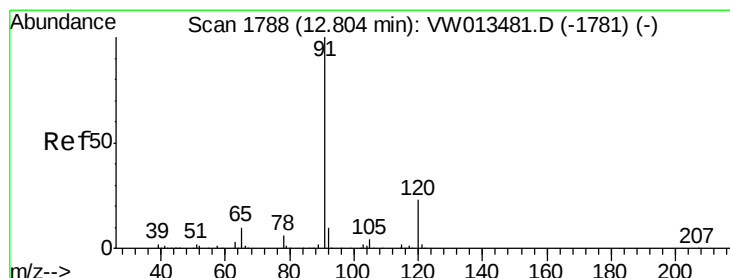
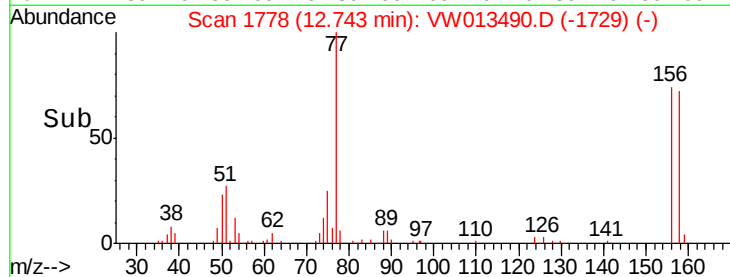
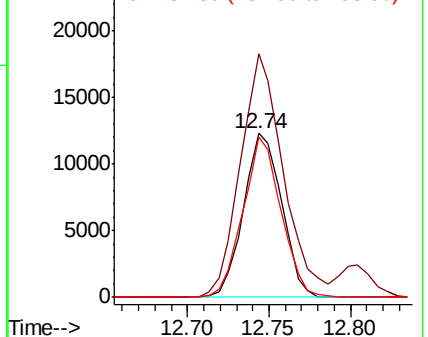


Abundance

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: 5.138 ug/l

RT: 12.80 min Scan# 1788

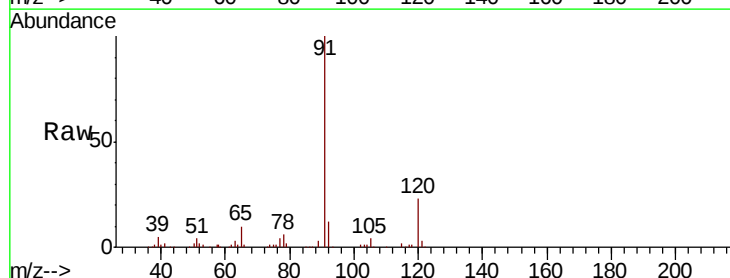
Delta R.T. 0.00 min

Lab File: VW013490.D

Acq: 08 Oct 2019 16:45

Tgt Ion: 91 Resp: 93201

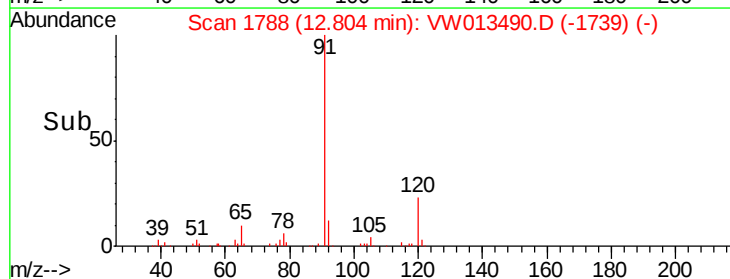
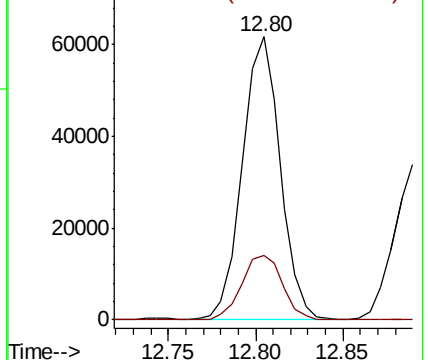
Ion	Ratio	Lower	Upper
91	100		
120	24.6	11.7	35.1

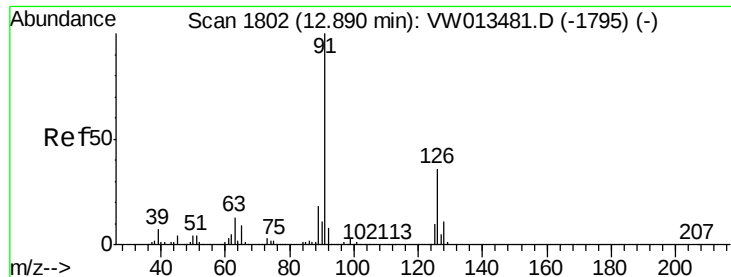


Abundance

Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 5.300 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VW013490.D

Acq: 08 Oct 2019 16:45

Instrument :

MSVOA_W

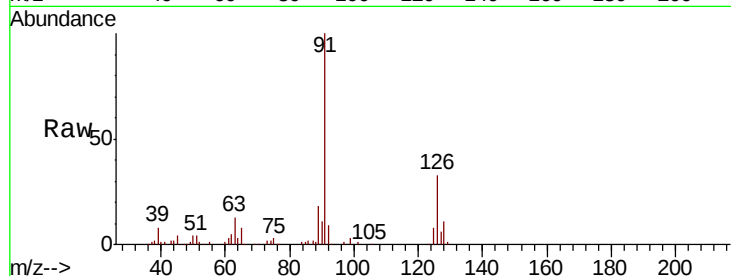
ClientSampled :

Tot Ion: 91 Resp: 53864

Ion Ratio Lower Upper

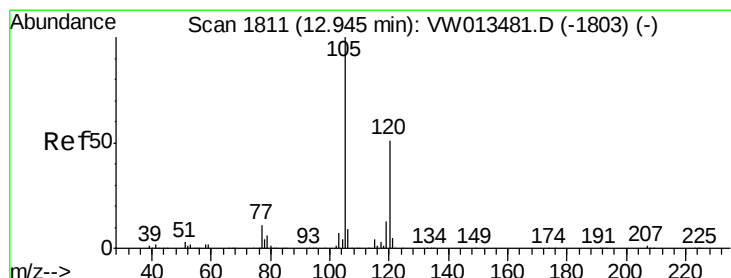
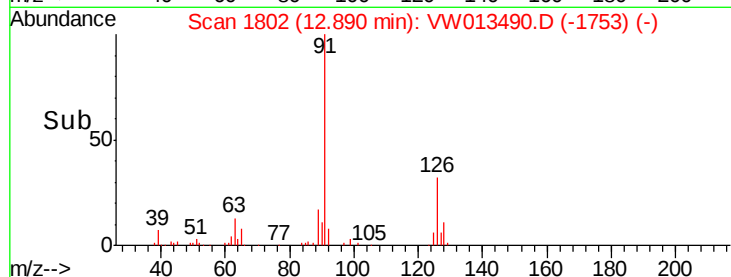
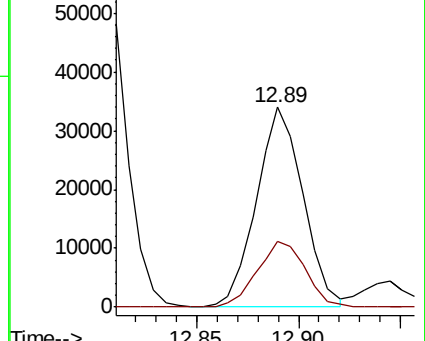
91 100

126 34.3 17.8 53.4



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 5.251 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW013490.D

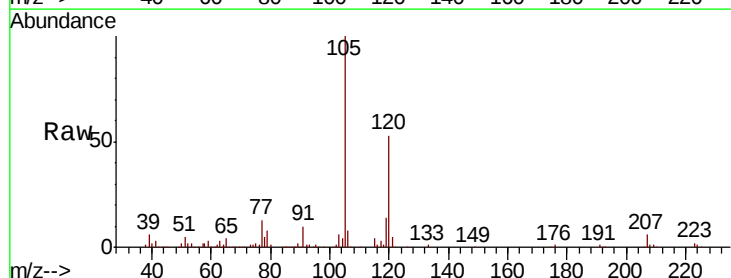
Acq: 08 Oct 2019 16:45

Tgt Ion: 105 Resp: 68445

Ion Ratio Lower Upper

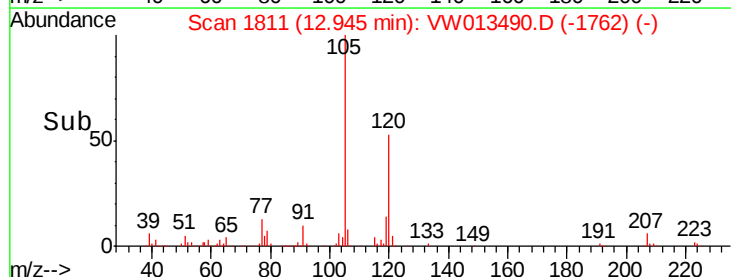
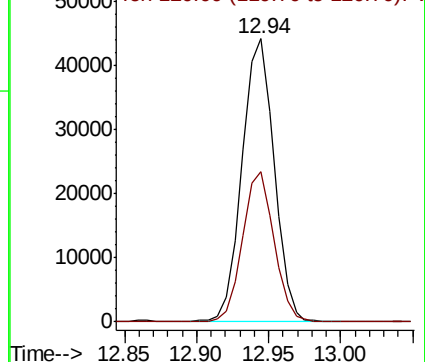
105 100

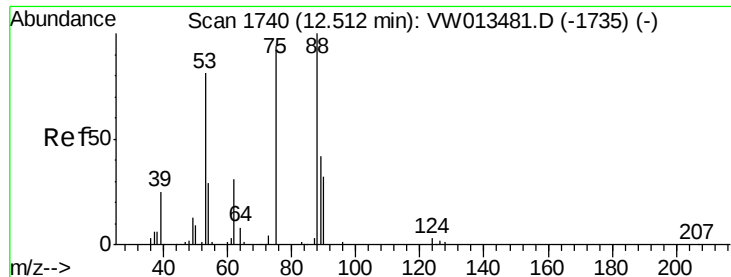
120 51.9 25.4 76.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 4.407 ug/l

RT: 12.52 min Scan# 1741

Delta R.T. 0.01 min

Lab File: VW013490.D

Acq: 08 Oct 2019 16:45

Instrument :

MSVOA_W

ClientSampleId :

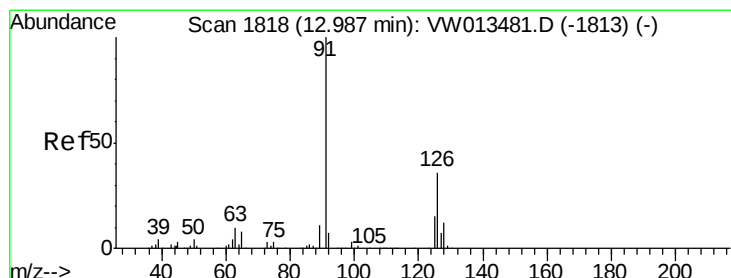
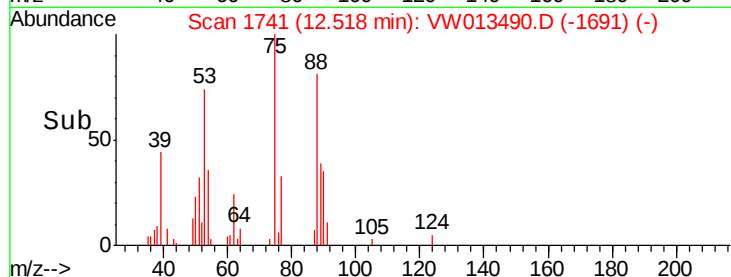
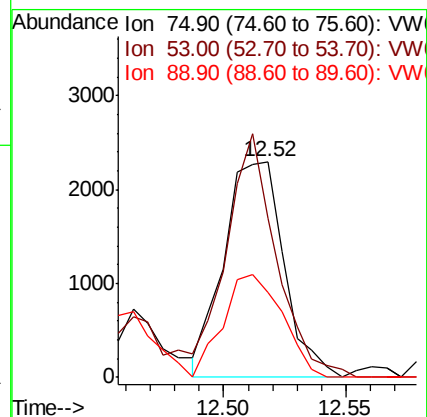
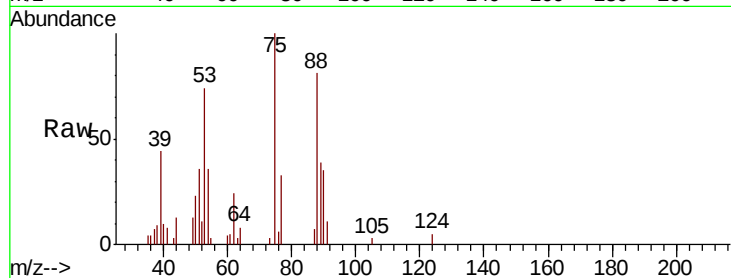
Tot Ion: 75 Resp: 3932

Ion Ratio Lower Upper

75 100

53 93.1 71.0 106.6

89 47.0 36.1 54.1



#82

4-Chlorotoluene

Concen: 5.283 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. 0.00 min

Lab File: VW013490.D

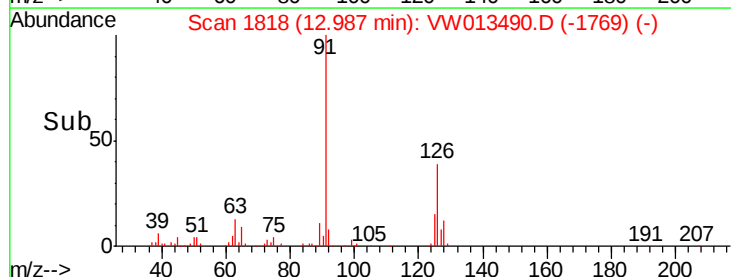
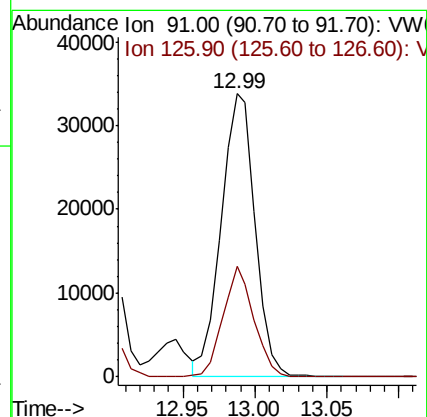
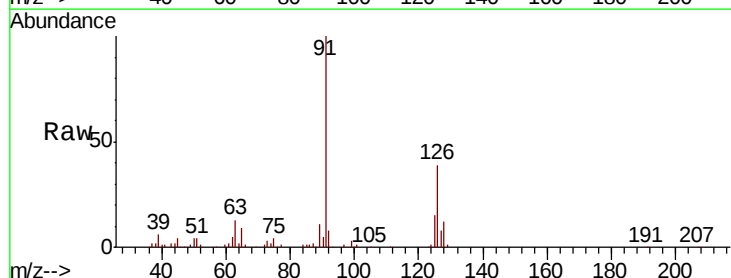
Acq: 08 Oct 2019 16:45

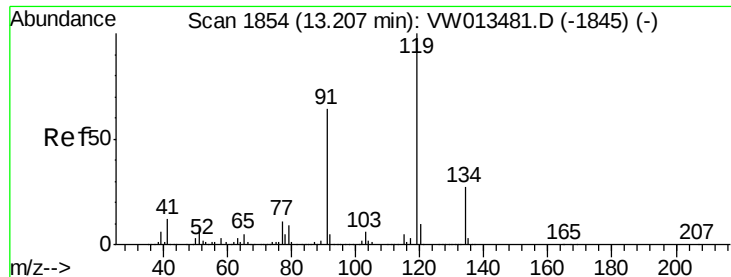
Tgt Ion: 91 Resp: 55719

Ion Ratio Lower Upper

91 100

126 35.5 17.5 52.6

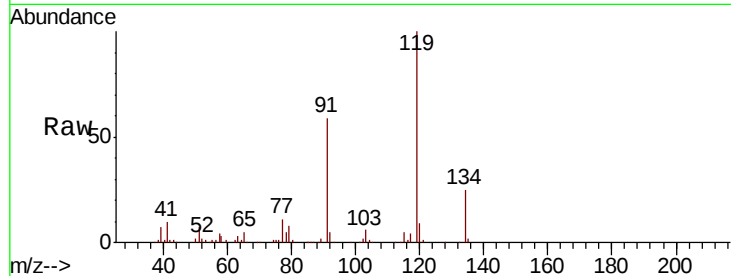




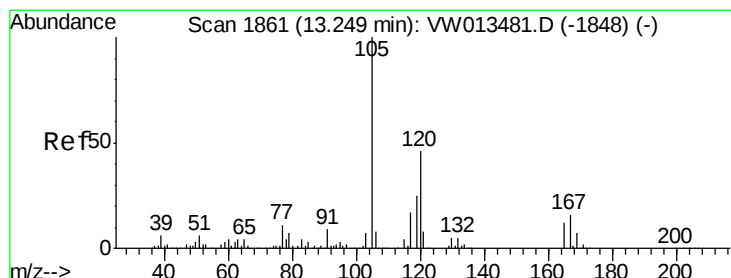
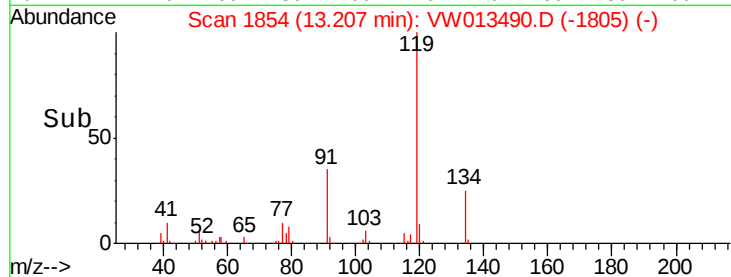
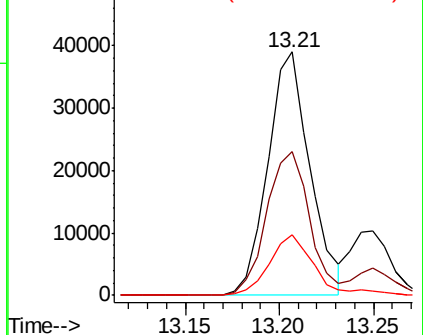
#83
tert-Butylbenzene
Concen: 5.262 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW013490.D
Acq: 08 Oct 2019 16:45

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:119 Resp: 60908
Ion Ratio Lower Upper
119 100
91 59.7 30.6 91.6
134 25.1 13.8 41.3

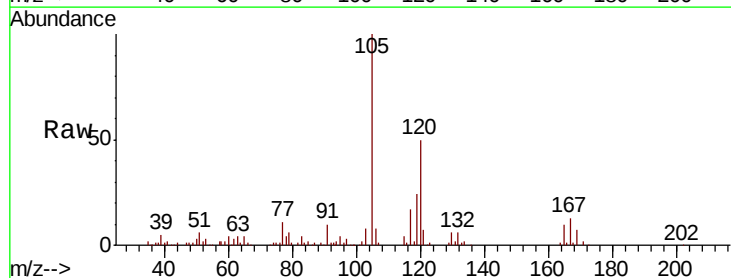


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

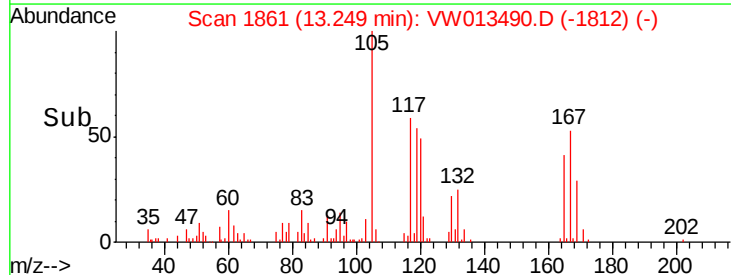
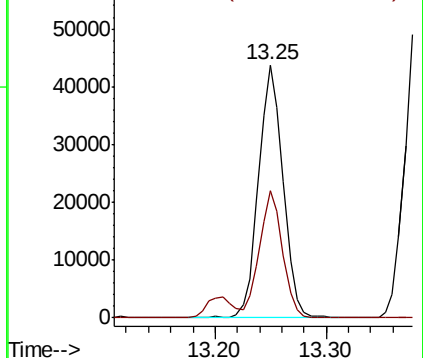


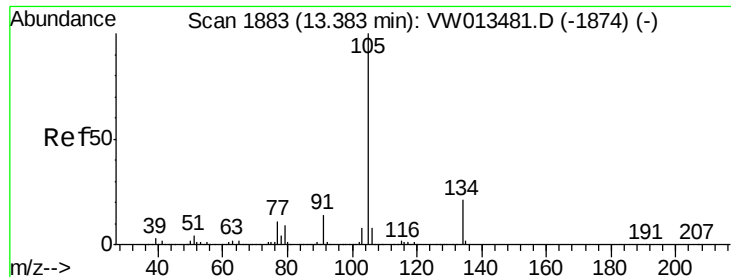
#84
1,2,4-Trimethylbenzene
Concen: 5.245 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VW013490.D
Acq: 08 Oct 2019 16:45

Tgt Ion:105 Resp: 67605
Ion Ratio Lower Upper
105 100
120 47.3 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: 5.230 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW013490.D

Acq: 08 Oct 2019 16:45

Instrument :

MSVOA_W

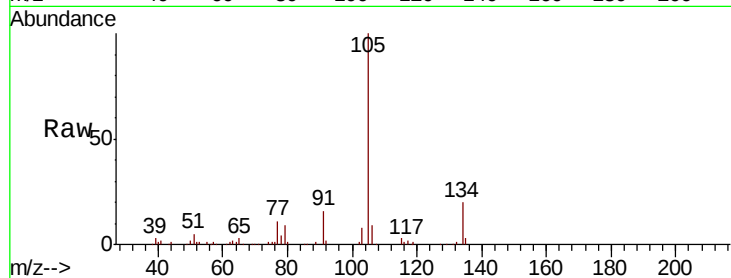
ClientSampleId :

Tot Ion:105 Resp: 83648

Ion Ratio Lower Upper

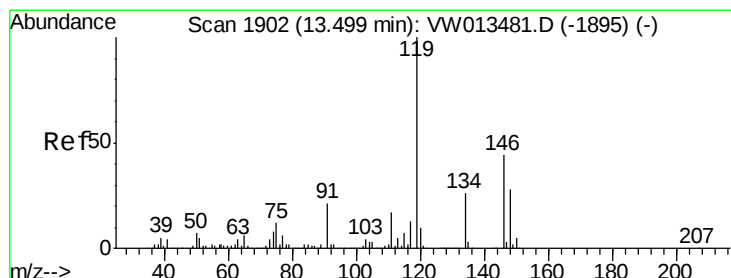
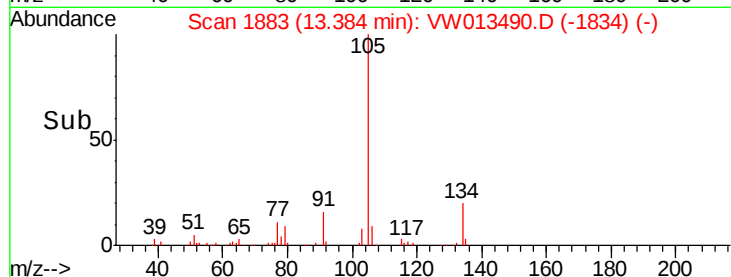
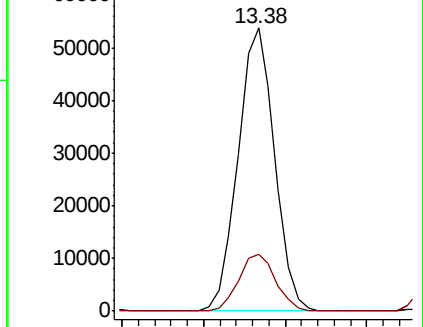
105 100

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: 5.225 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW013490.D

Acq: 08 Oct 2019 16:45

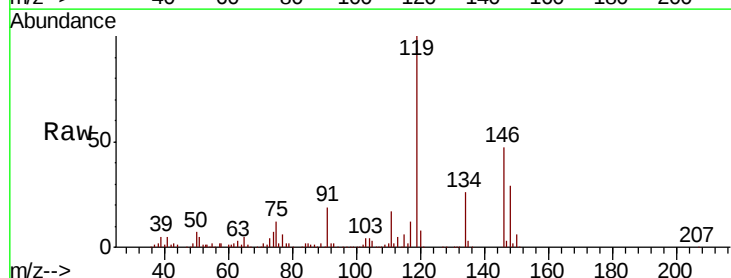
Tgt Ion:119 Resp: 76784

Ion Ratio Lower Upper

119 100

134 26.3 13.1 39.1

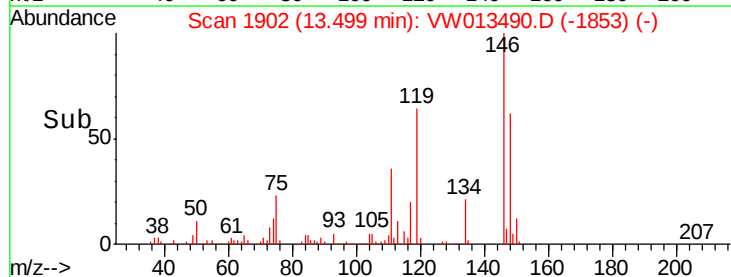
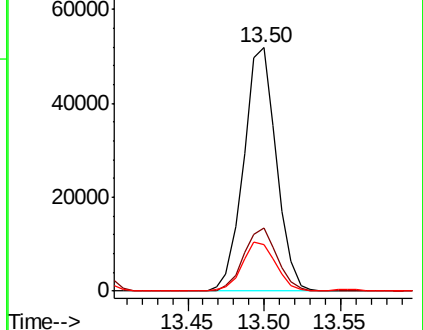
91 20.9 10.8 32.3

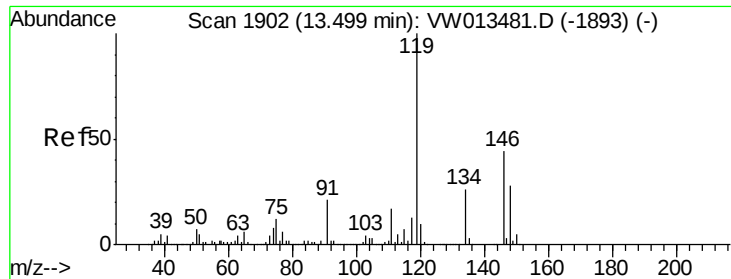


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

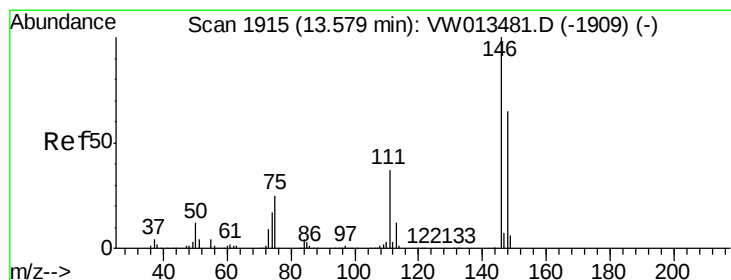
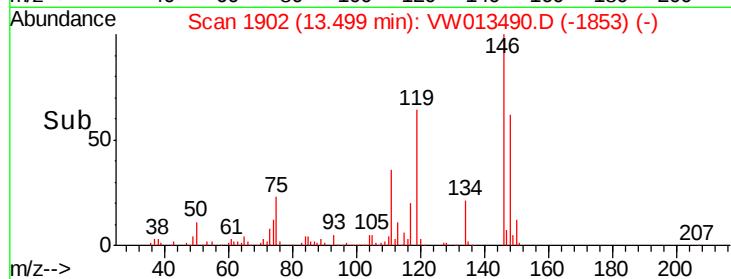
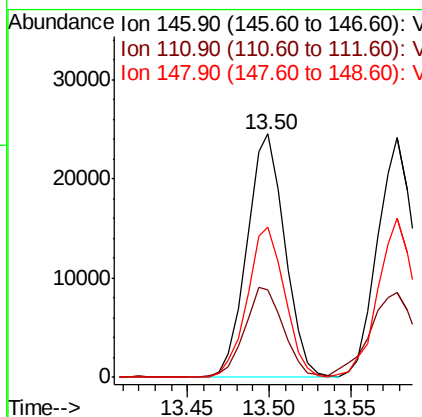
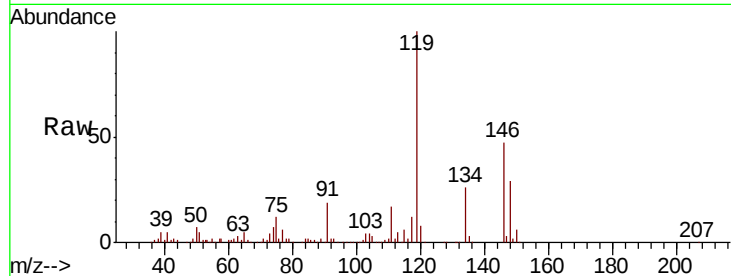




#87
 1,3-Dichlorobenzene
 Concen: 5.634 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW013490.D
 Acq: 08 Oct 2019 16:45

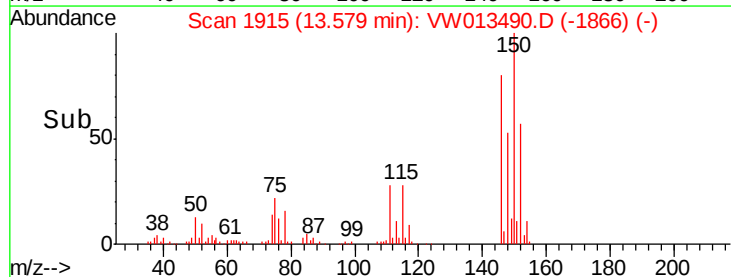
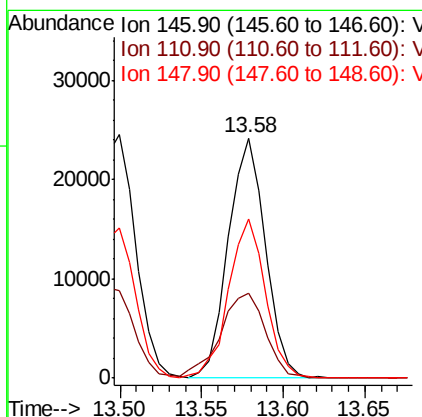
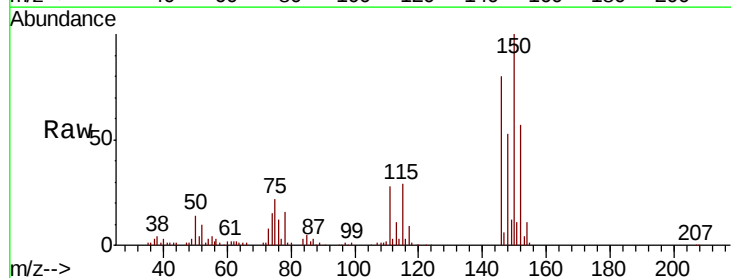
Instrument :
 MSVOA_W
 ClientSampleId :

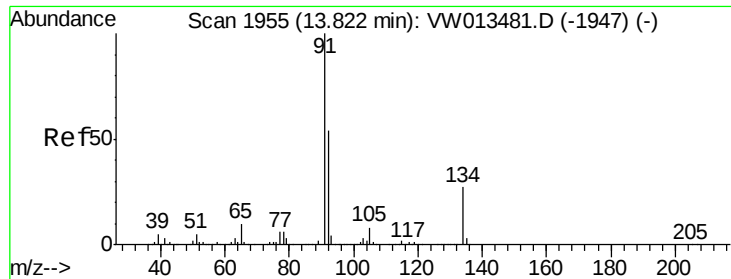
Tot Ion:146 Resp: 39720
 Ion Ratio Lower Upper
 146 100
 111 37.8 18.7 56.1
 148 60.9 32.3 96.8



#88
 1,4-Dichlorobenzene
 Concen: 5.560 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW013490.D
 Acq: 08 Oct 2019 16:45

Tgt Ion:146 Resp: 38399
 Ion Ratio Lower Upper
 146 100
 111 42.9 18.4 55.4
 148 65.7 32.0 96.2





#89

n-Butylbenzene

Concen: 5.135 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW013490.D

Acq: 08 Oct 2019 16:45

Instrument :

MSVOA_W

ClientSampleId :

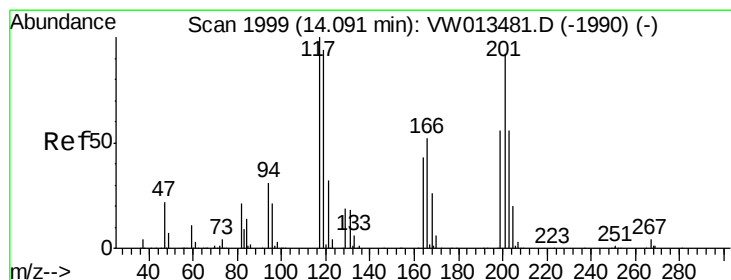
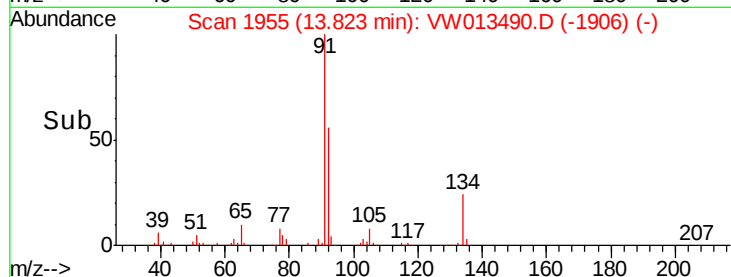
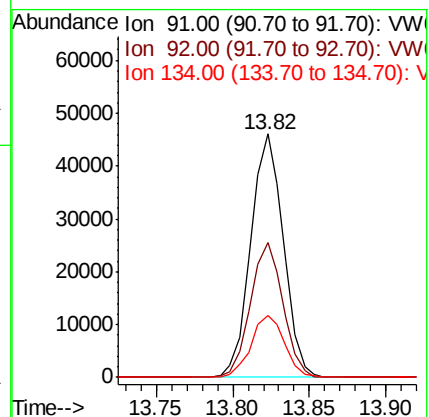
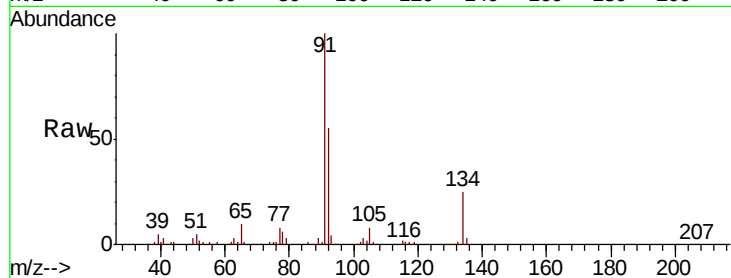
Tot Ion: 91 Resp: 68159

Ion Ratio Lower Upper

91 100

92 55.2 27.5 82.4

134 26.0 13.8 41.3



#90

Hexachloroethane

Concen: 5.128 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. 0.00 min

Lab File: VW013490.D

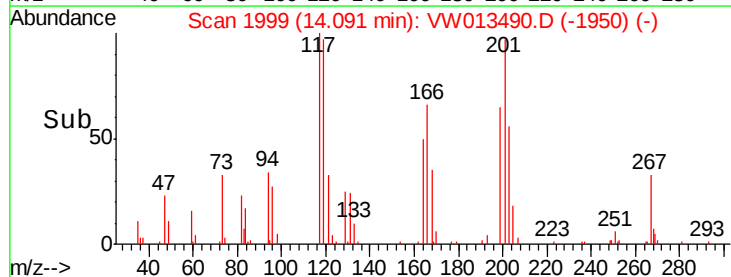
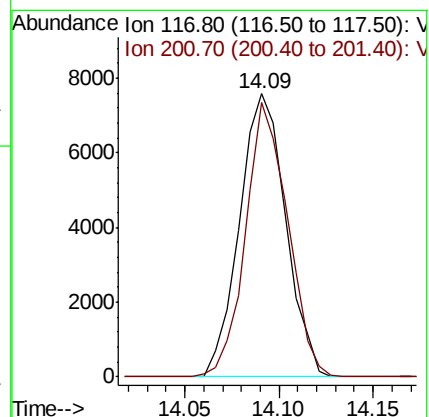
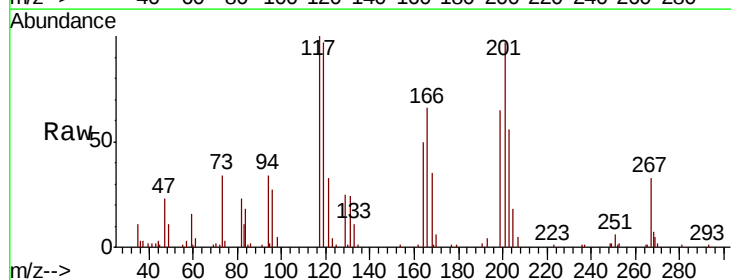
Acq: 08 Oct 2019 16:45

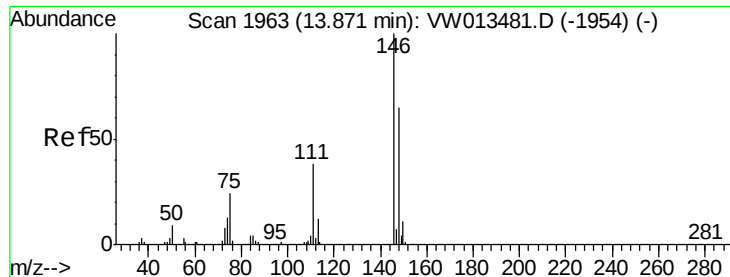
Tgt Ion: 117 Resp: 12894

Ion Ratio Lower Upper

117 100

201 88.4 46.9 140.7





#91

1,2-Dichlorobenzene

Concen: 5.236 ug/l

RT: 13.87 min Scan# 1962

Delta R.T. -0.01 min

Lab File: VW013490.D

Acq: 08 Oct 2019 16:45

Instrument :

MSVOA_W

ClientSampleId :

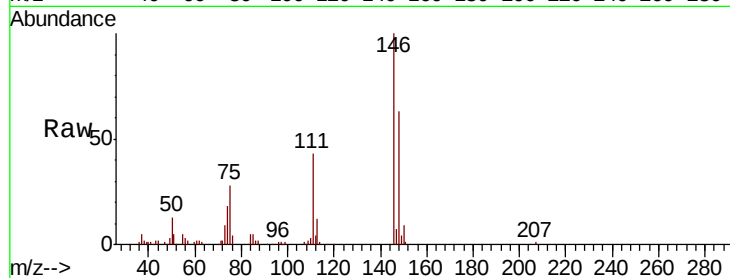
Tot Ion:146 Resp: 32594

Ion Ratio Lower Upper

146 100

111 40.6 19.4 58.2

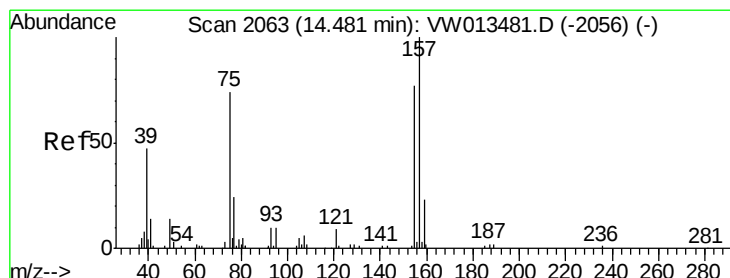
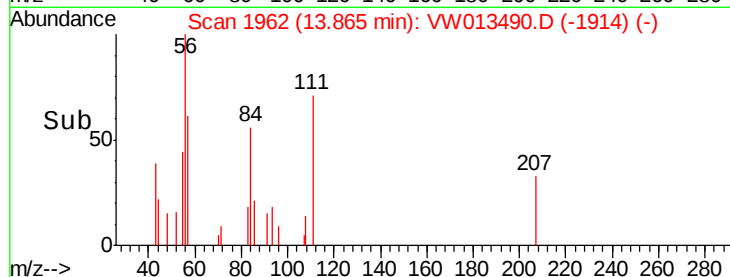
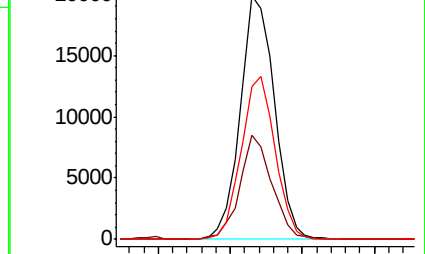
148 66.5 31.8 95.3



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: 5.147 ug/l

RT: 14.49 min Scan# 2064

Delta R.T. 0.01 min

Lab File: VW013490.D

Acq: 08 Oct 2019 16:45

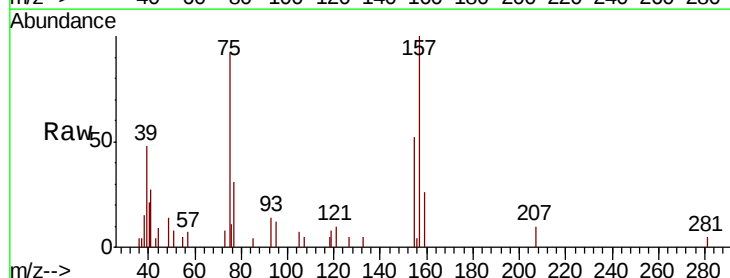
Tgt Ion: 75 Resp: 2194

Ion Ratio Lower Upper

75 100

155 92.5 51.0 153.1

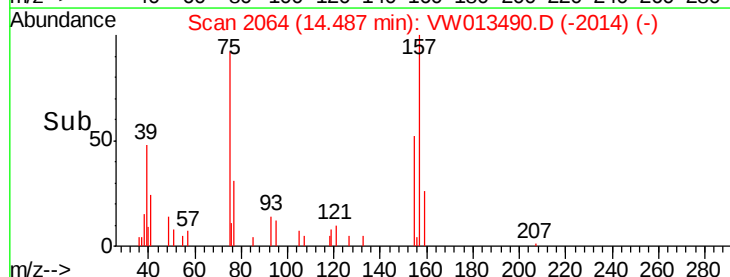
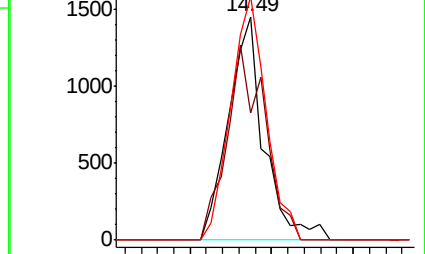
157 108.7 65.9 197.7

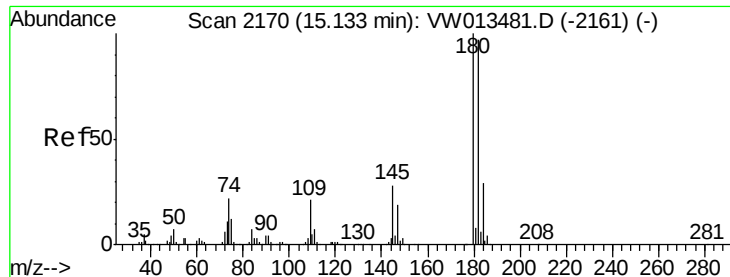


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

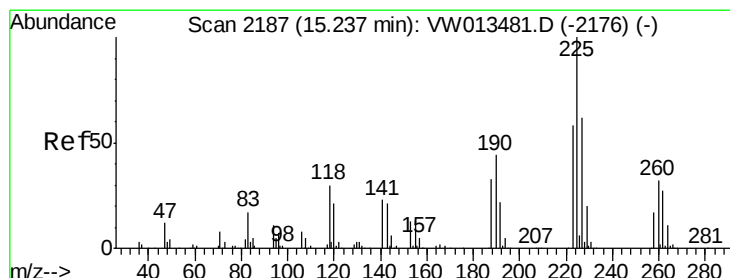
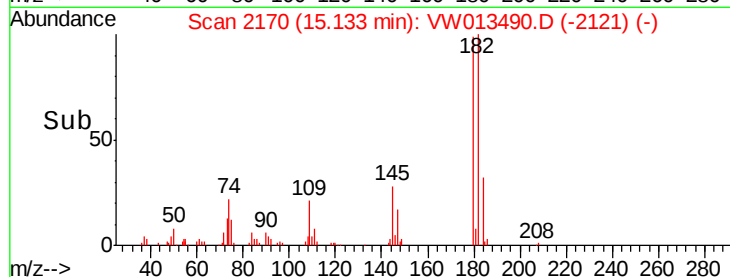
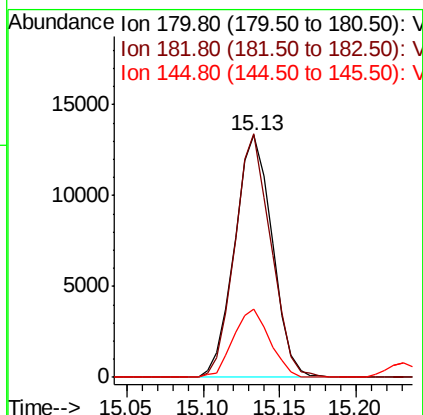
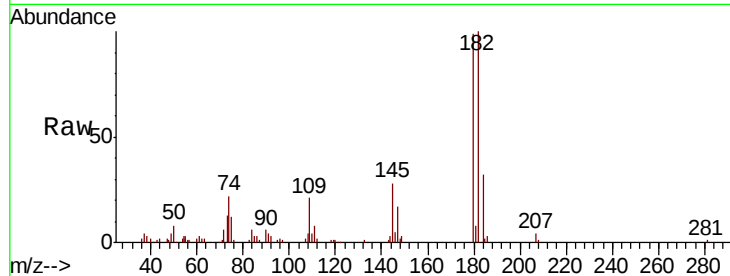




#93
 1,2,4-Trichlorobenzene
 Concen: 5.164 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW013490.D
 Acq: 08 Oct 2019 16:45

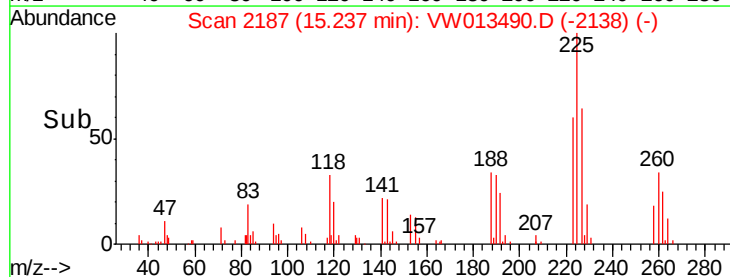
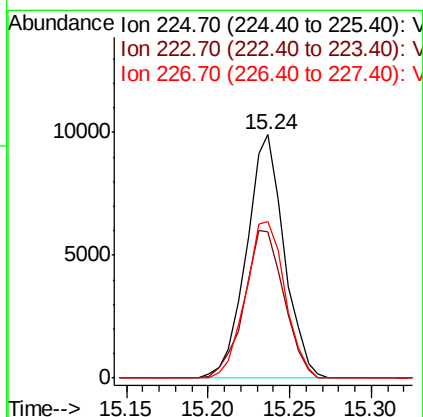
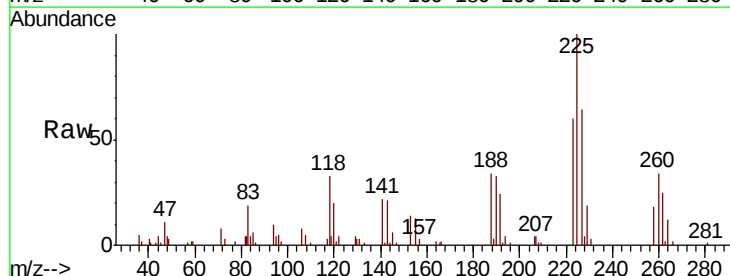
Instrument :
 MSVOA_W
 ClientSampleId :

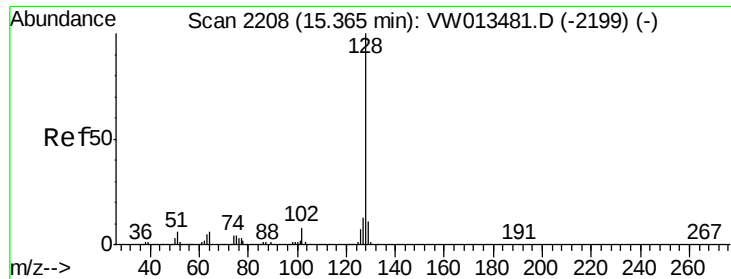
Tot Ion:180 Resp: 22717
 Ion Ratio Lower Upper
 180 100
 182 96.2 47.7 143.1
 145 27.2 14.0 41.9



#94
 Hexachlorobutadiene
 Concen: 5.438 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.00 min
 Lab File: VW013490.D
 Acq: 08 Oct 2019 16:45

Tgt Ion:225 Resp: 15897
 Ion Ratio Lower Upper
 225 100
 223 64.2 30.3 90.9
 227 66.9 32.0 96.0





#95

Naphthalene

Concen: 4.463 ug/l

RT: 15.36 min Scan# 2208

Delta R.T. 0.00 min

Lab File: VW013490.D

Acq: 08 Oct 2019 16:45

Instrument :

MSVOA_W

ClientSampleId :

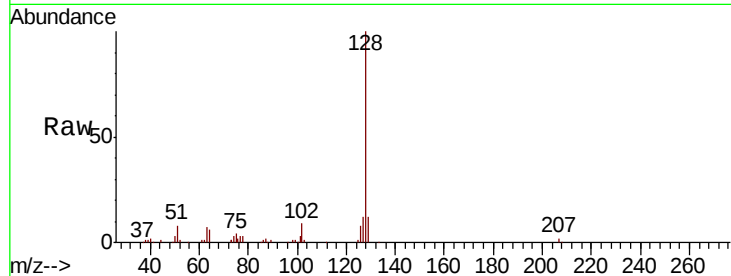
Tot Ion:128 Resp: 33963

Ion Ratio Lower Upper

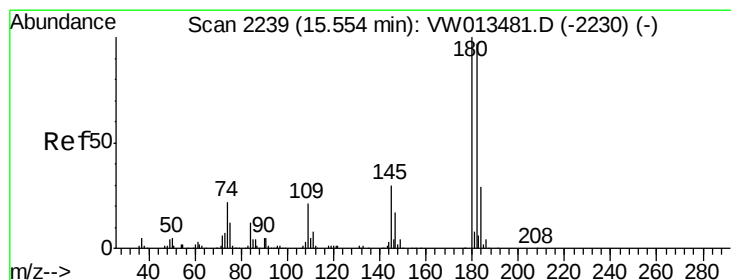
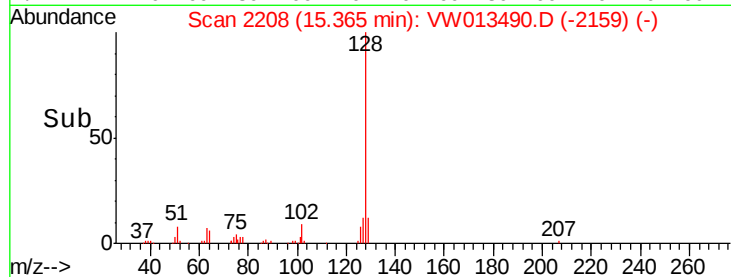
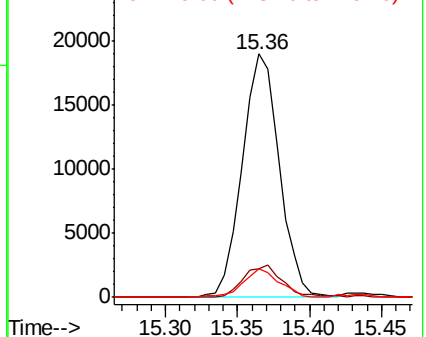
128 100

127 14.1 10.6 16.0

129 11.2 8.8 13.2



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



#96

1,2,3-Trichlorobenzene

Concen: 5.106 ug/l

RT: 15.55 min Scan# 2239

Delta R.T. 0.00 min

Lab File: VW013490.D

Acq: 08 Oct 2019 16:45

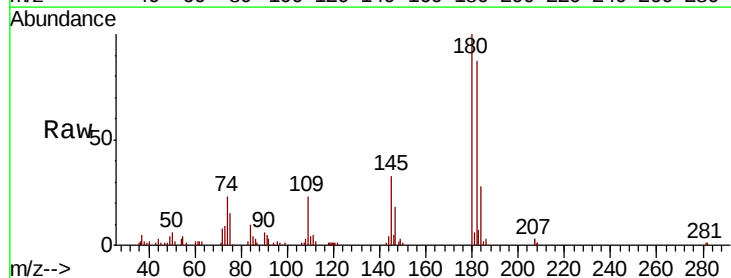
Tgt Ion:180 Resp: 19643

Ion Ratio Lower Upper

180 100

182 93.6 47.7 143.1

145 30.1 14.9 44.9



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

