

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW100919\
 Data File : VW013497.D
 Acq On : 09 Oct 2019 12:17
 Operator : SY/VA
 Sample : VW1009SBS01
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1009SBS01

Quant Time: Oct 10 02:37:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W100819S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 09 05:54:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	310208	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	440599	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	369671	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	188025	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	120857	50.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.86%	
35) Dibromofluoromethane	7.88	113	120979	49.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.32%	
50) Toluene-d8	10.32	98	516122	49.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.82%	
62) 4-Bromofluorobenzene	12.62	95	172776	49.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.46%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.01	85	17811	17.334	ug/l	99
3) Chloromethane	2.21	50	38996	21.591	ug/l	99
4) Vinyl Chloride	2.36	62	58709	22.037	ug/l	97
5) Bromomethane	2.78	94	32732	20.591	ug/l	95
6) Chloroethane	2.92	64	30289	20.244	ug/l	95
7) Trichlorofluoromethane	3.26	101	28400	22.530	ug/l	92
8) Diethyl Ether	3.68	74	27153	20.812	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.06	101	53741	20.686	ug/l	96
10) Methyl Iodide	4.27	142	83011	20.179	ug/l	99
11) Tert butyl alcohol	5.20	59	5892	Below Cal	#	72
12) 1,1-Dichloroethene	4.04	96	55743	20.704	ug/l	99
13) Acrolein	3.90	56	26020	123.163	ug/l	98
14) Allyl chloride	4.67	41	85492	20.663	ug/l	99
15) Acrylonitrile	5.37	53	68227	111.886	ug/l	99
16) Acetone	4.14	43	62029	111.219	ug/l	99
17) Carbon Disulfide	4.39	76	155160	20.531	ug/l	99
18) Methyl Acetate	4.67	43	34353	21.503	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	85498	21.001	ug/l	99
20) Methylene Chloride	4.91	84	58910	19.362	ug/l	98
21) trans-1,2-Dichloroethene	5.43	96	59471	20.787	ug/l	96
22) Diisopropyl ether	6.31	45	156727	20.217	ug/l	97
23) Vinyl Acetate	6.25	43	499281	107.278	ug/l	99
24) 1,1-Dichloroethane	6.21	63	95861	20.232	ug/l	98
25) 2-Butanone	7.17	43	89412	108.781	ug/l	98
26) 2,2-Dichloropropane	7.17	77	65576	21.469	ug/l	93
27) cis-1,2-Dichloroethene	7.17	96	62693	20.710	ug/l	99
28) Bromochloromethane	7.51	49	27029	16.399	ug/l #	99
29) Tetrahydrofuran	7.53	42	57628	114.716	ug/l	98
30) Chloroform	7.67	83	94780	20.680	ug/l	98
31) Cyclohexane	7.95	56	101642	20.268	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	77810	20.885	ug/l	98
36) 1,1-Dichloropropene	8.08	75	82335	20.657	ug/l	100
37) Ethyl Acetate	7.26	43	37834	20.921	ug/l	97
38) Carbon Tetrachloride	8.07	117	73181	20.712	ug/l	97

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	109231	21.153	ug/l	97
40) Benzene	8.32	78	226765	20.381	ug/l	98
41) Methacrylonitrile	7.48	41	23850	23.192	ug/l	96
42) 1,2-Dichloroethane	8.40	62	58961	20.966	ug/l	98
43) Isopropyl Acetate	8.42	43	71561	21.903	ug/l	97
44) Trichloroethene	9.09	130	66075	20.817	ug/l	95
45) 1,2-Dichloropropane	9.37	63	54268	20.322	ug/l	98
46) Dibromomethane	9.46	93	28245	21.231	ug/l	98
47) Bromodichloromethane	9.64	83	66967	20.250	ug/l	97
48) Methyl methacrylate	9.43	41	34331	21.332	ug/l	98
49) 1,4-Dioxane	9.48	88	10863	465.027	ug/l #	94
51) 4-Methyl-2-Pentanone	10.21	43	187090	108.921	ug/l	100
52) Toluene	10.38	92	147624	20.598	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	70594	20.543	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	83850	20.141	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	41958	21.012	ug/l	94
56) Ethyl methacrylate	10.65	69	57536	21.393	ug/l	98
57) 1,3-Dichloropropane	10.93	76	72428	21.123	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	131596	103.713	ug/l	98
59) 2-Hexanone	10.97	43	130095	110.452	ug/l	99
60) Dibromochloromethane	11.13	129	47446	20.661	ug/l	97
61) 1,2-Dibromoethane	11.24	107	40503	21.325	ug/l	99
64) Tetrachloroethene	10.86	164	56826	20.886	ug/l	98
65) Chlorobenzene	11.66	112	152981	20.826	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	52166	20.444	ug/l	99
67) Ethyl Benzene	11.73	91	278922	20.775	ug/l	100
68) m/p-Xylenes	11.84	106	212478	41.595	ug/l	98
69) o-Xylene	12.16	106	98093	20.784	ug/l	98
70) Styrene	12.18	104	166180	20.507	ug/l	98
71) Bromoform	12.35	173	30715	21.940	ug/l #	97
73) Isopropylbenzene	12.46	105	278449	20.674	ug/l	100
74) N-amyl acetate	12.27	43	61478	20.871	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	49799	21.693	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	63002	40.232	ug/l #	100
77) Bromobenzene	12.74	156	65622	20.556	ug/l	98
78) n-propylbenzene	12.80	91	324682	20.847	ug/l	98
79) 2-Chlorotoluene	12.89	91	176545	20.233	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	230667	20.612	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	16502	21.541	ug/l	96
82) 4-Chlorotoluene	12.99	91	186807	20.627	ug/l	100
83) tert-Butylbenzene	13.21	119	209811	21.111	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	226203	20.438	ug/l	98
85) sec-Butylbenzene	13.38	105	287297	20.922	ug/l	100
86) p-Isopropyltoluene	13.50	119	263852	20.913	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	124823	20.621	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	122864	20.719	ug/l	99
89) n-Butylbenzene	13.82	91	238404	20.918	ug/l	100
90) Hexachloroethane	14.09	117	43834	20.305	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	110607	20.695	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.48	75	8045	21.983	ug/l	96

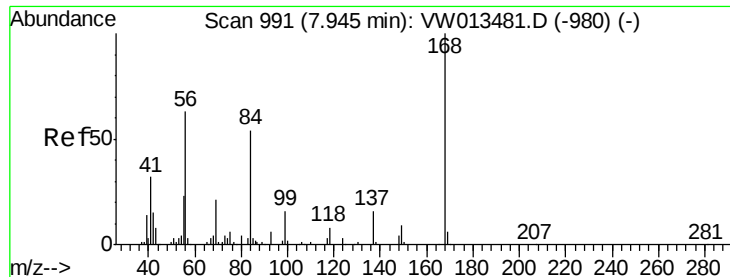
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	77339	20.475	ug/l	99
94) Hexachlorobutadiene	15.24	225	54615	21.758	ug/l	98
95) Naphthalene	15.36	128	137703	21.075	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	69670	21.093	ug/l	99

(#) = 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: VW013497.D

Acq: 09 Oct 2019 12:17

Instrument :

MSVOA_W

ClientSampleId :

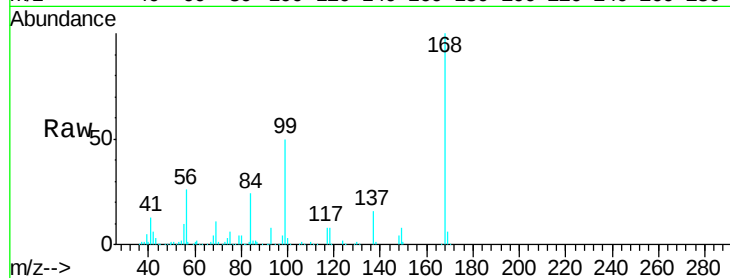
VW1009SBS01

Tgt Ion:168 Resp: 310208

Ion Ratio Lower Upper

168 100

99 50.1 38.3 57.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

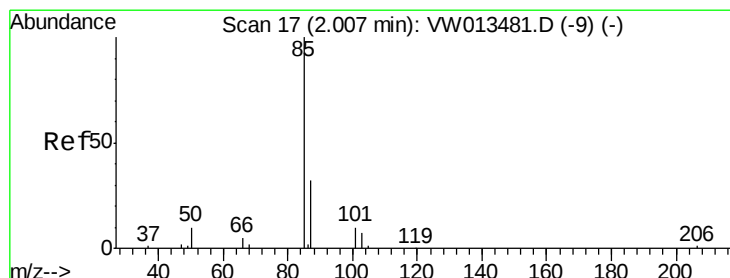
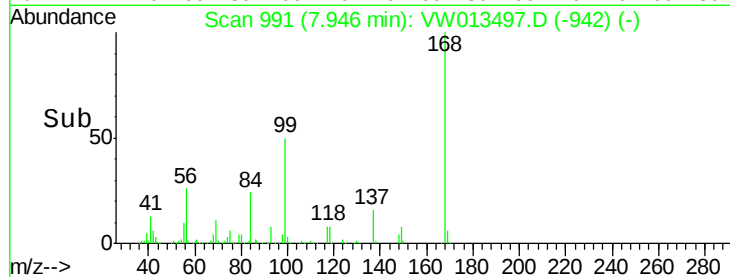
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 17.334 ug/l

RT: 2.01 min Scan# 18

Delta R.T. 0.01 min

Lab File: VW013497.D

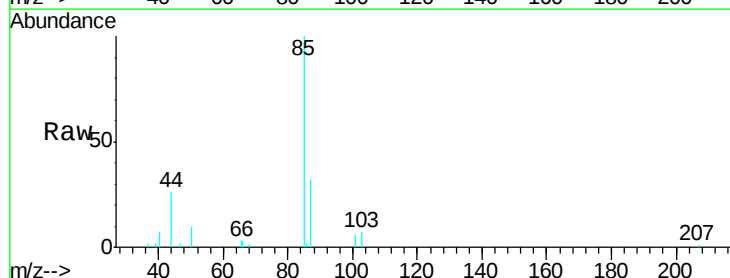
Acq: 09 Oct 2019 12:17

Tgt Ion: 85 Resp: 17811

Ion Ratio Lower Upper

85 100

87 32.1 15.8 47.3



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

8000

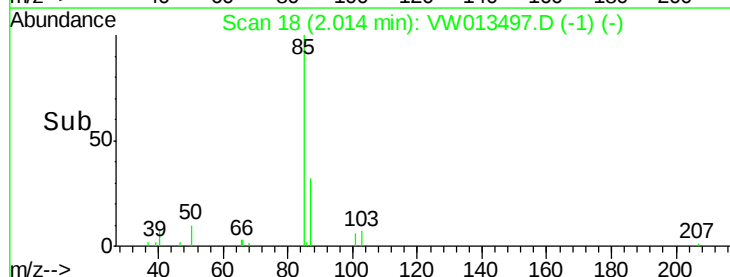
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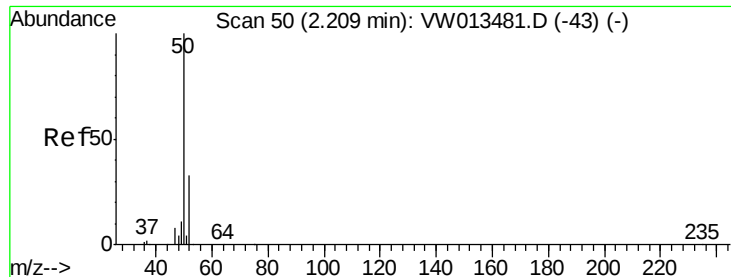
4000

2000

0

Time-->





#3

Chloromethane

Concen: 21.591 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.01 min

Lab File: VW013497.D

Acq: 09 Oct 2019 12:17

Instrument :

MSVOA_W

ClientSampleId :

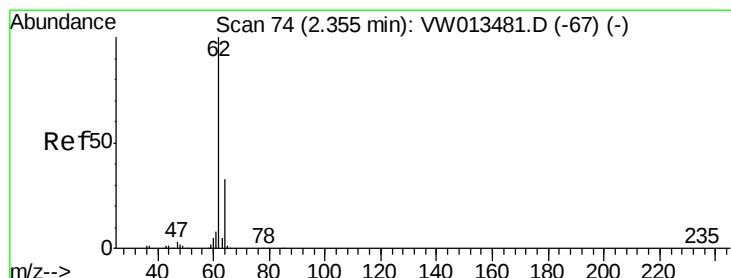
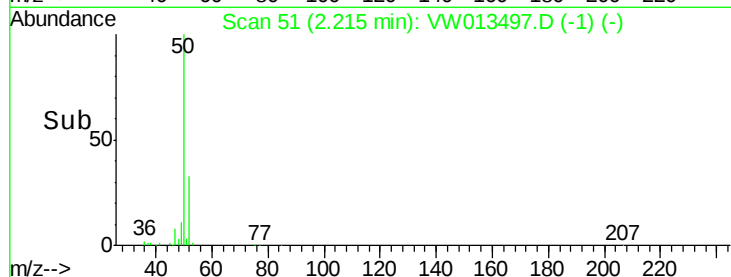
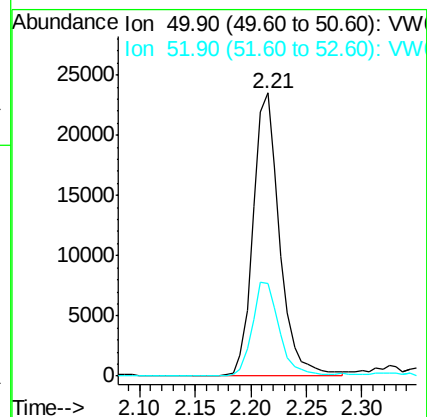
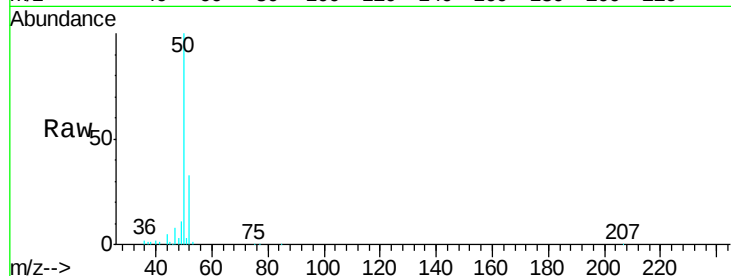
VW1009SBS01

Tgt Ion: 50 Resp: 38996

Ion Ratio Lower Upper

50 100

52 32.9 26.0 39.0



#4

Vinyl Chloride

Concen: 22.037 ug/l

RT: 2.36 min Scan# 75

Delta R.T. 0.01 min

Lab File: VW013497.D

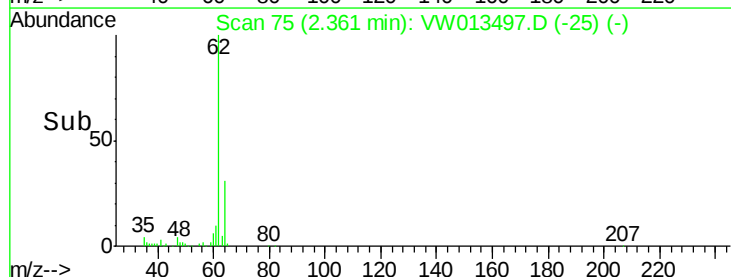
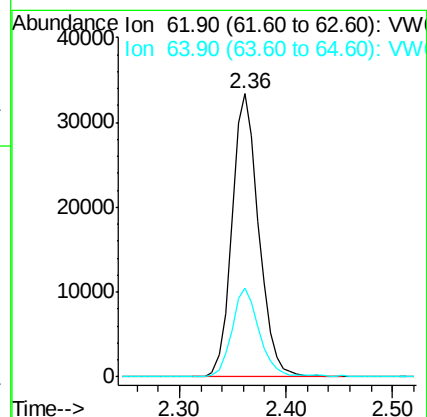
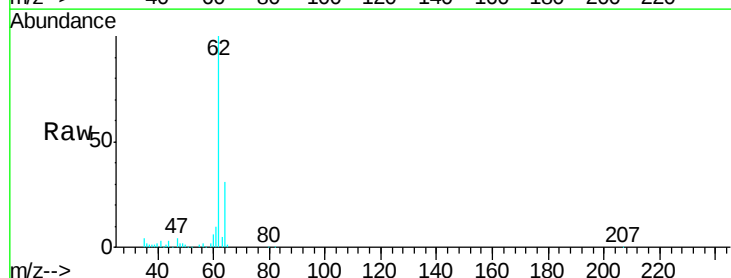
Acq: 09 Oct 2019 12:17

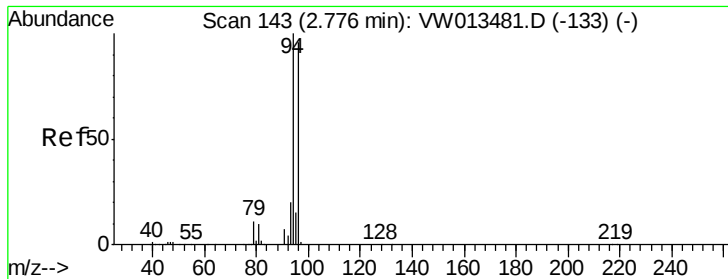
Tgt Ion: 62 Resp: 58709

Ion Ratio Lower Upper

62 100

64 31.3 26.6 39.8





#5

Bromomethane

Concen: 20.591 ug/l

RT: 2.78 min Scan# 143

Delta R.T. 0.00 min

Lab File: VW013497.D

Acq: 09 Oct 2019 12:17

Instrument :

MSVOA_W

ClientSampleId :

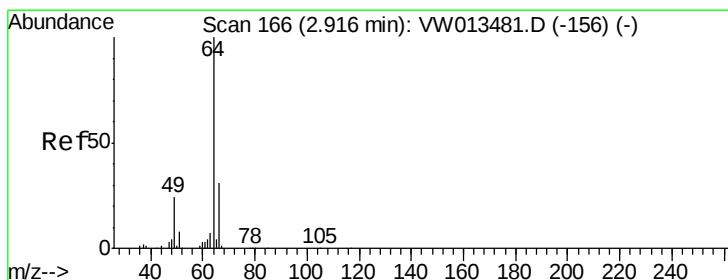
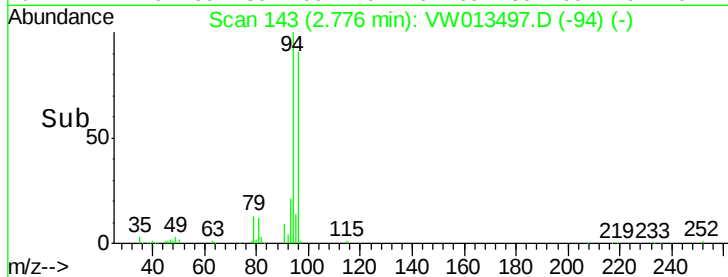
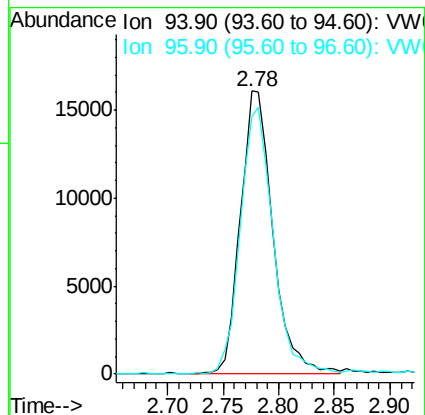
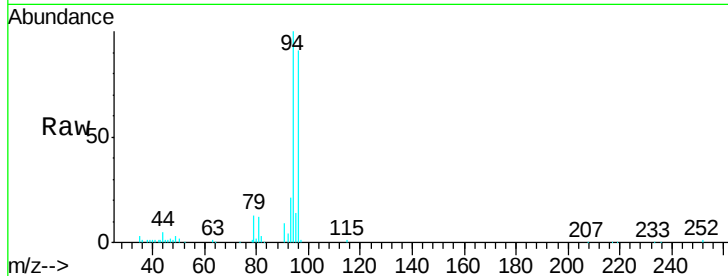
VW1009SBS01

Tgt Ion: 94 Resp: 32732

Ion Ratio Lower Upper

94 100

96 91.1 77.0 115.6



#6

Chloroethane

Concen: 20.244 ug/l

RT: 2.92 min Scan# 167

Delta R.T. 0.01 min

Lab File: VW013497.D

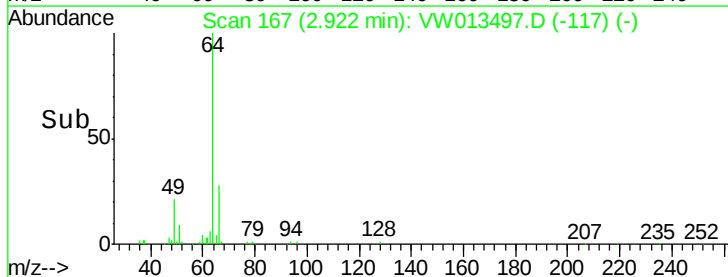
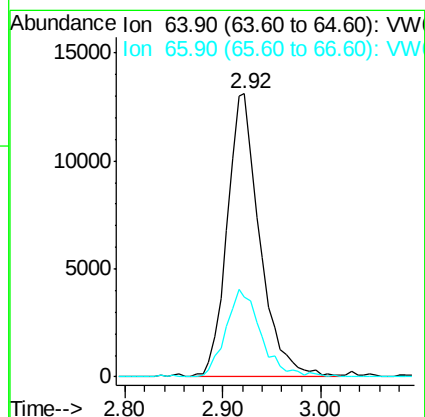
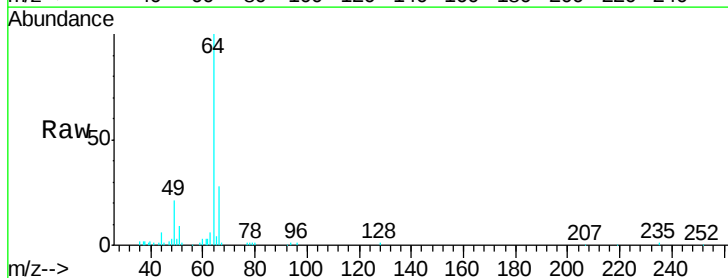
Acq: 09 Oct 2019 12:17

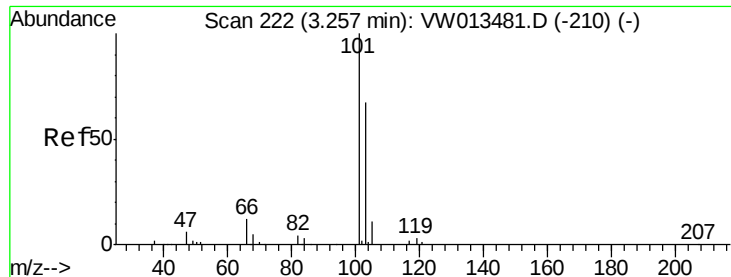
Tgt Ion: 64 Resp: 30289

Ion Ratio Lower Upper

64 100

66 28.2 25.0 37.4



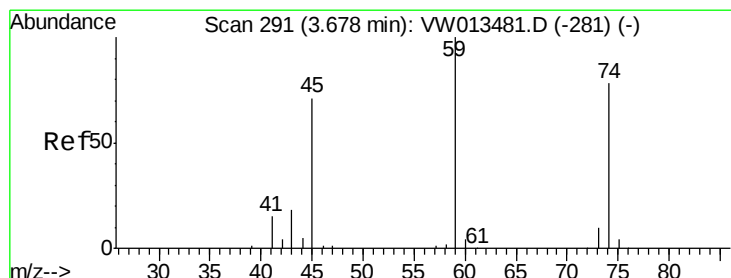
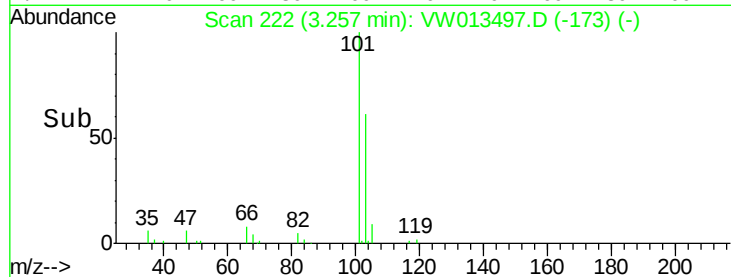
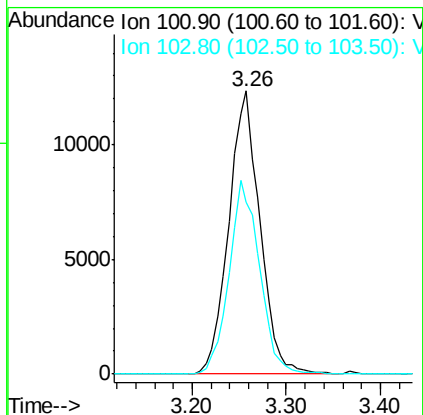
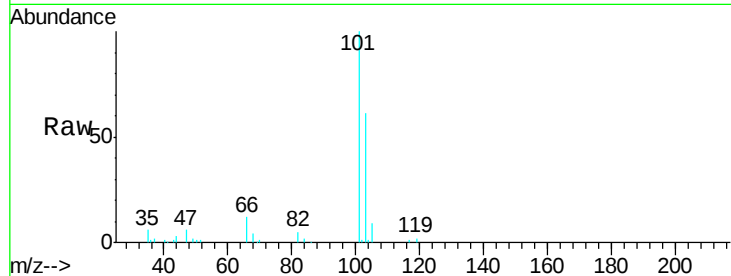


#7

Trichlorofluoromethane
 Concen: 22.530 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. 0.00 min
 Lab File: VW013497.D
 Acq: 09 Oct 2019 12:17

Instrument :
 MSVOA_W
 ClientSampled :
 VW1009SBS01

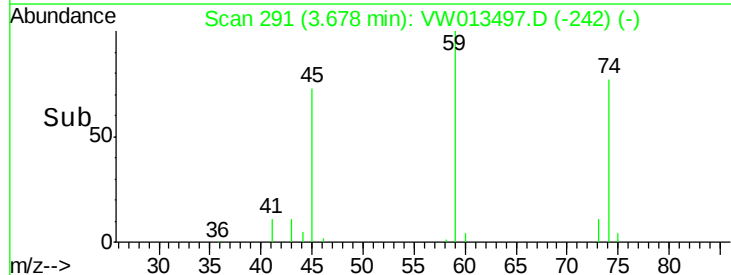
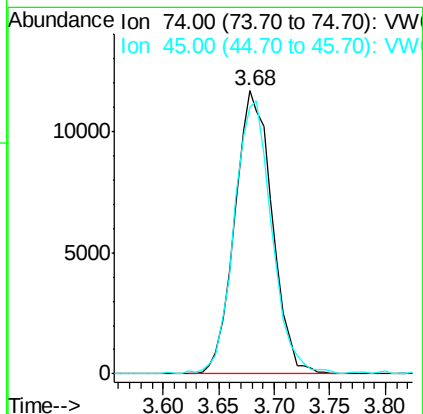
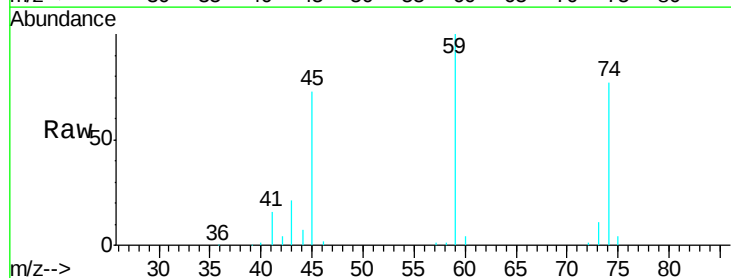
Tgt Ion:101 Resp: 28400
 Ion Ratio Lower Upper
 101 100
 103 60.8 53.7 80.5

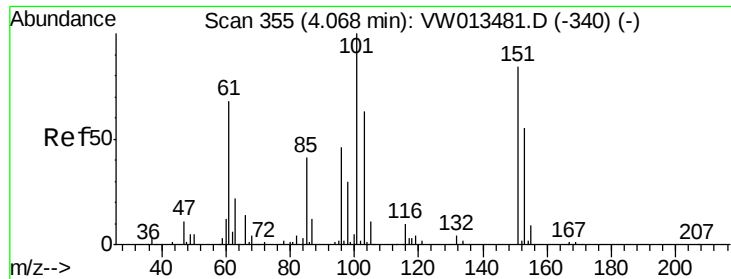


#8

Diethyl Ether
 Concen: 20.812 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. 0.00 min
 Lab File: VW013497.D
 Acq: 09 Oct 2019 12:17

Tgt Ion: 74 Resp: 27153
 Ion Ratio Lower Upper
 74 100
 45 97.5 50.0 150.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.686 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW013497.D

Acq: 09 Oct 2019 12:17

Instrument :

MSVOA_W

ClientSampleId :

VW1009SBS01

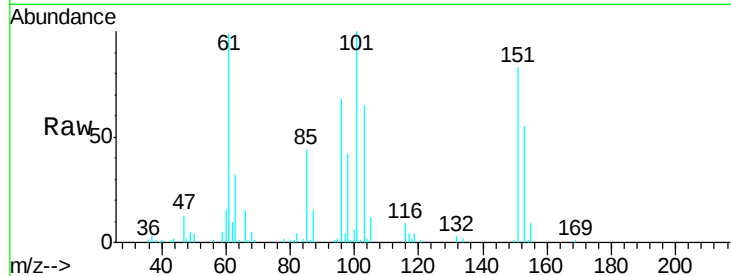
Tgt Ion:101 Resp: 53741

Ion Ratio Lower Upper

101 100

85 41.2 31.6 47.4

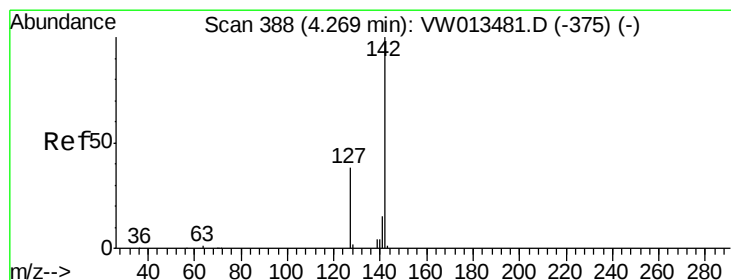
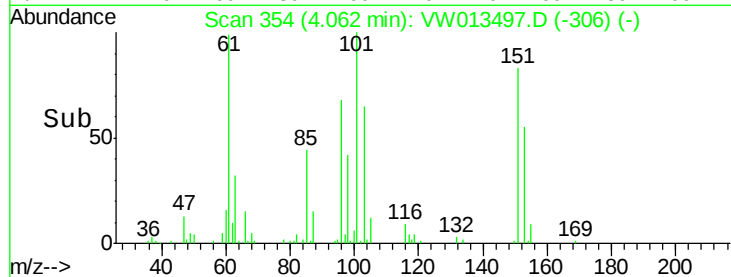
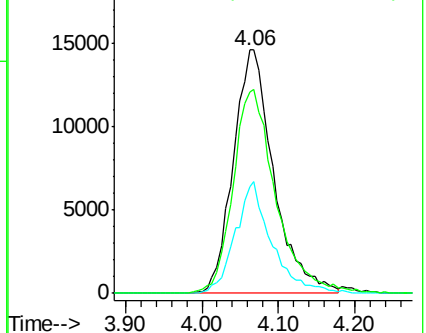
151 88.3 67.5 101.3



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: 20.179 ug/l

RT: 4.27 min Scan# 388

Delta R.T. 0.00 min

Lab File: VW013497.D

Acq: 09 Oct 2019 12:17

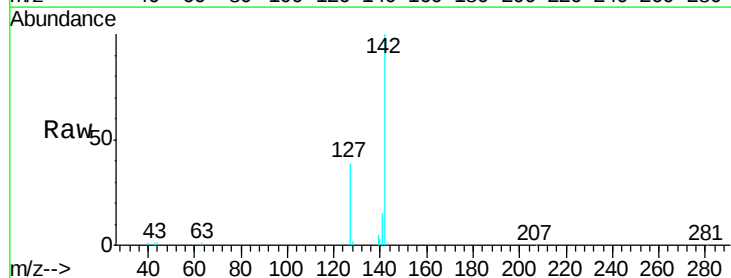
Tgt Ion:142 Resp: 83011

Ion Ratio Lower Upper

142 100

127 38.0 29.6 44.4

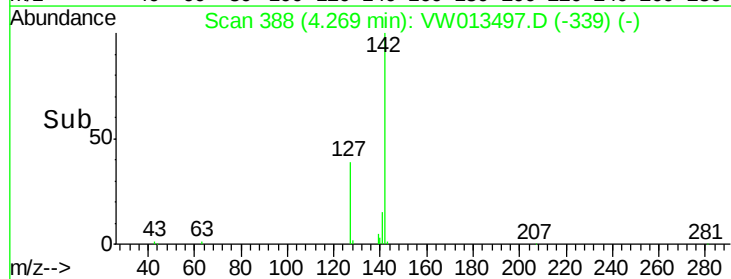
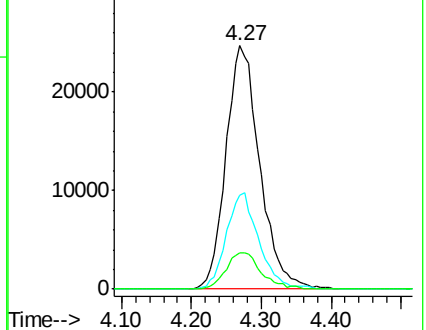
141 15.5 12.1 18.1

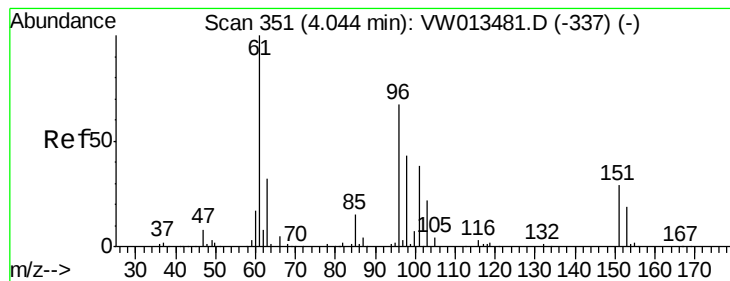


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#12

1,1-Dichloroethene

Concen: 20.704 ug/l

RT: 4.04 min Scan# 350

Delta R.T. -0.01 min

Lab File: VW013497.D

Acq: 09 Oct 2019 12:17

Instrument :

MSVOA_W

ClientSampleId :

VW1009SBS01

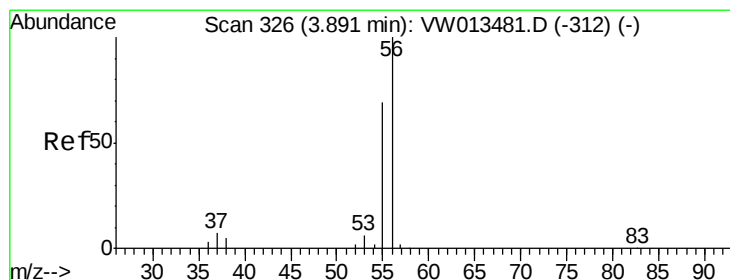
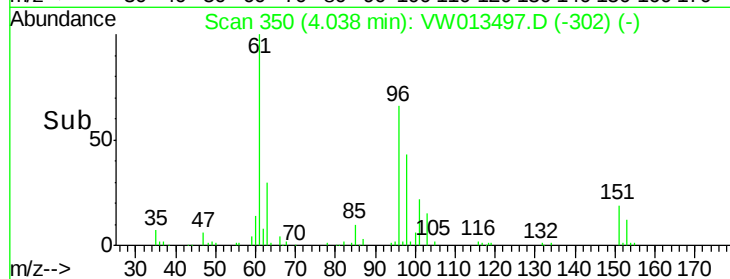
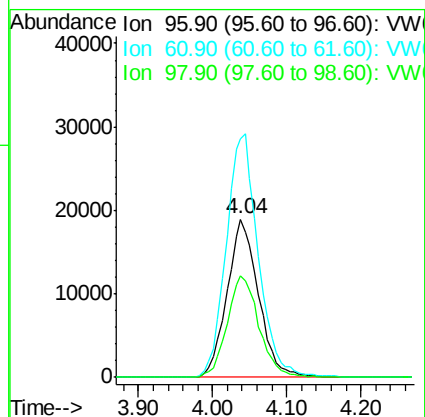
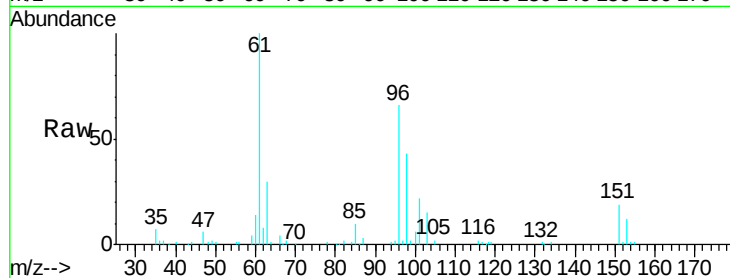
Tgt Ion: 96 Resp: 55743

Ion Ratio Lower Upper

96 100

61 151.0 119.4 179.0

98 64.4 51.1 76.7



#13

Acrolein

Concen: 123.163 ug/l

RT: 3.90 min Scan# 327

Delta R.T. 0.01 min

Lab File: VW013497.D

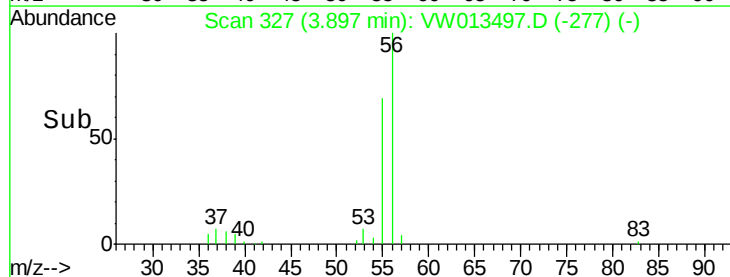
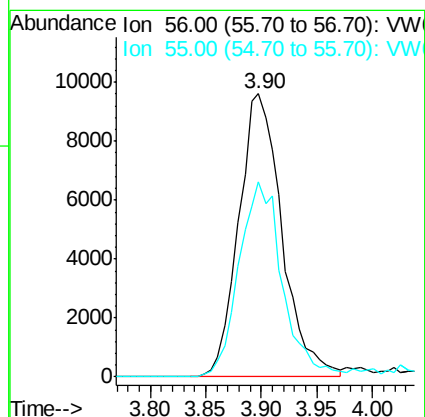
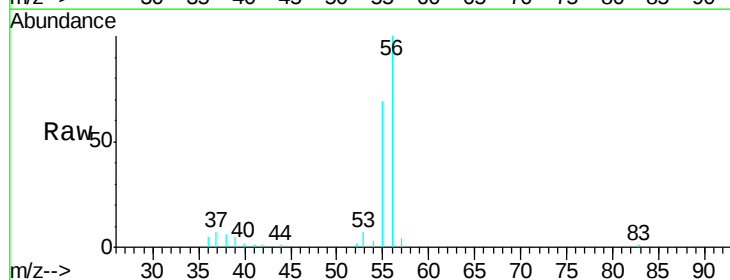
Acq: 09 Oct 2019 12:17

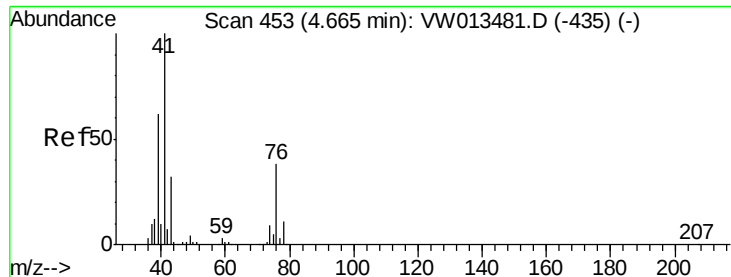
Tgt Ion: 56 Resp: 26020

Ion Ratio Lower Upper

56 100

55 68.6 55.9 83.9

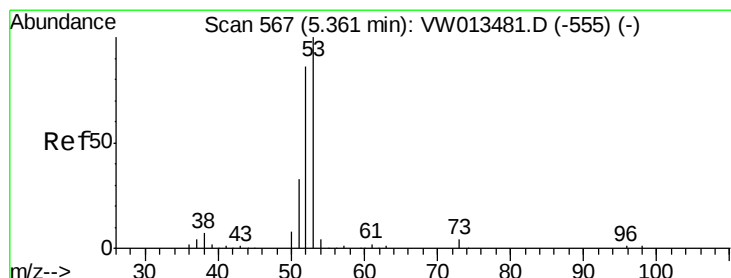
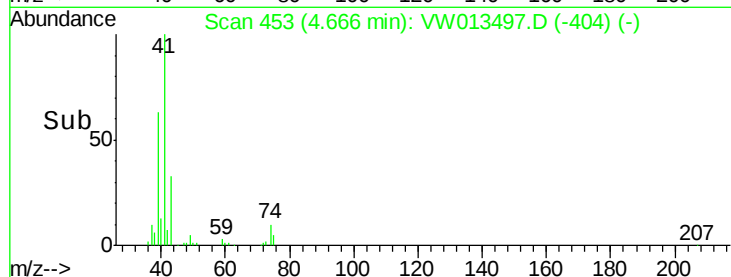
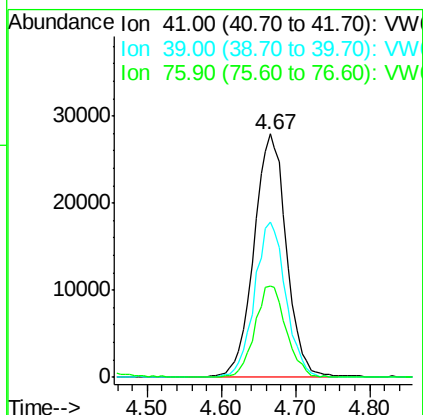
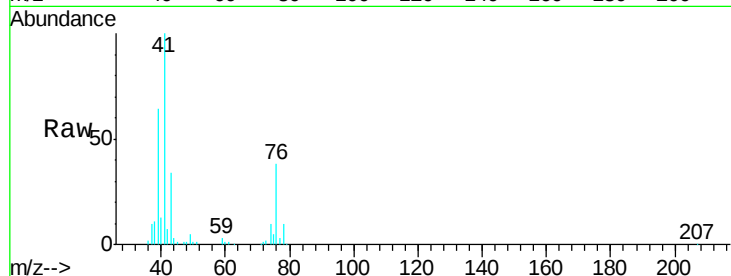




#14
 Allyl chloride
 Concen: 20.663 ug/l
 RT: 4.67 min Scan# 453
 Delta R.T. 0.00 min
 Lab File: VW013497.D
 Acq: 09 Oct 2019 12:17

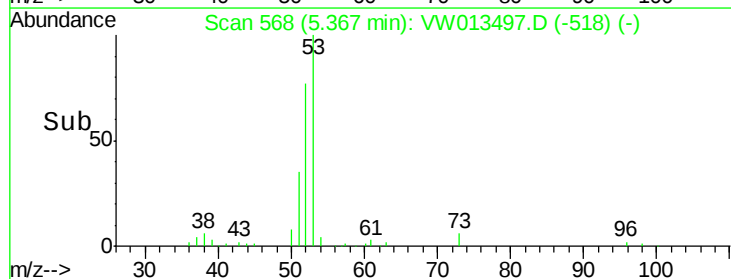
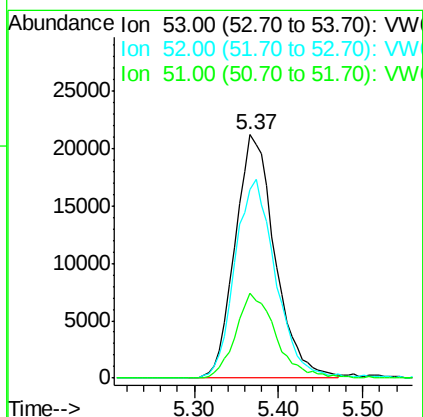
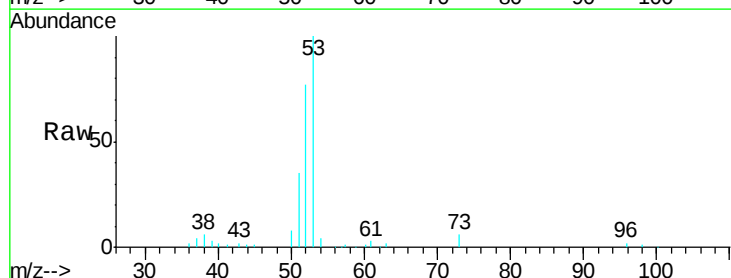
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1009SBS01

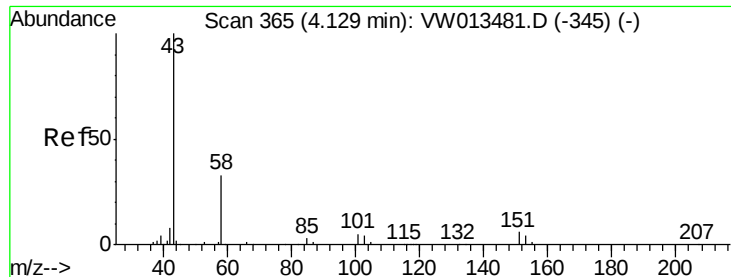
Tgt Ion: 41 Resp: 85492
 Ion Ratio Lower Upper
 41 100
 39 61.1 50.1 75.1
 76 36.0 29.0 43.4



#15
 Acrylonitrile
 Concen: 111.886 ug/l
 RT: 5.37 min Scan# 568
 Delta R.T. 0.01 min
 Lab File: VW013497.D
 Acq: 09 Oct 2019 12:17

Tgt Ion: 53 Resp: 68227
 Ion Ratio Lower Upper
 53 100
 52 83.2 65.8 98.8
 51 35.2 28.6 42.8

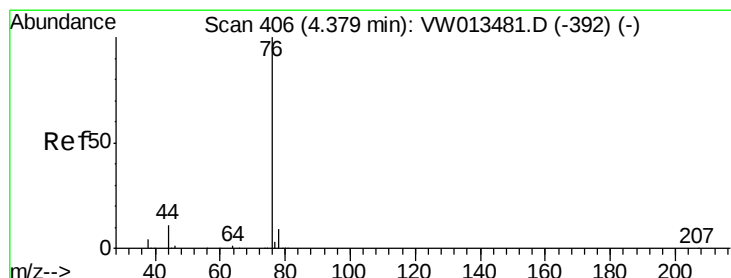
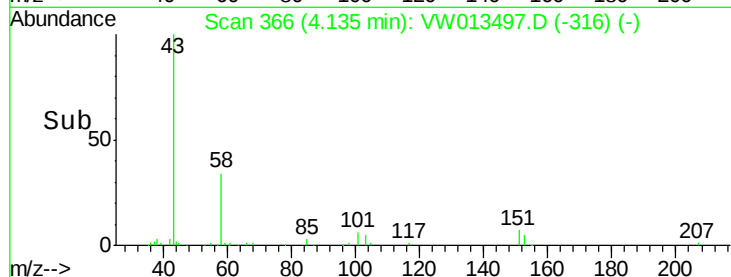
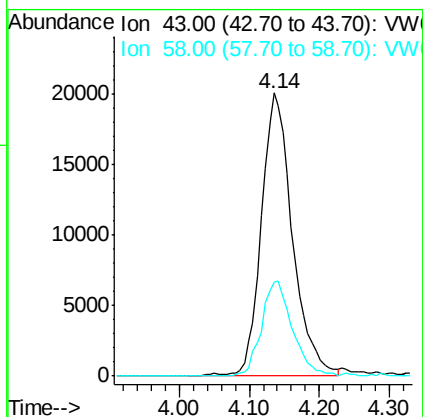
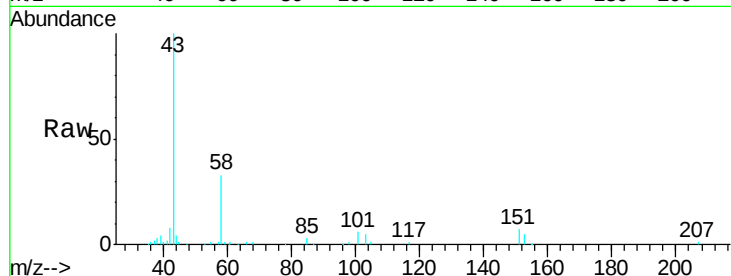




#16
Acetone
Concen: 111.219 ug/l
RT: 4.14 min Scan# 366
Delta R.T. 0.01 min
Lab File: VW013497.D
Acq: 09 Oct 2019 12:17

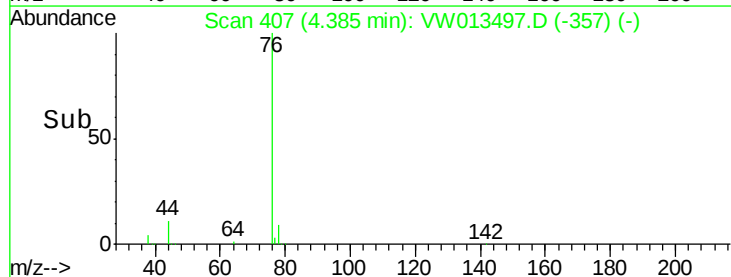
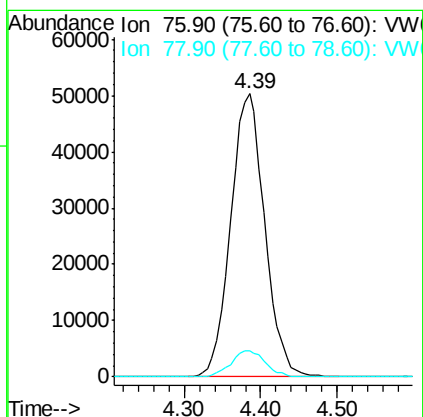
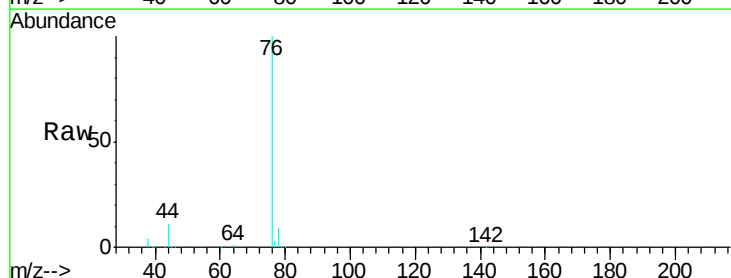
Instrument :
MSVOA_W
ClientSampleId :
VW1009SBS01

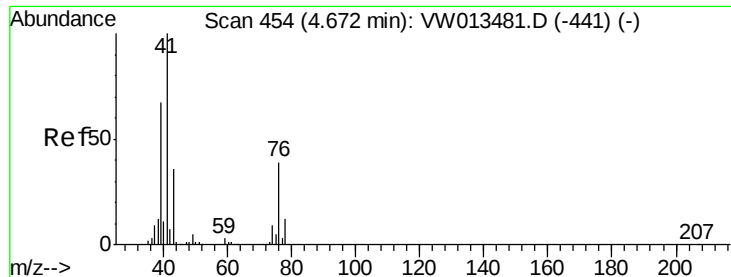
Tgt Ion: 43 Resp: 62029
Ion Ratio Lower Upper
43 100
58 33.3 26.1 39.1



#17
Carbon Disulfide
Concen: 20.531 ug/l
RT: 4.39 min Scan# 407
Delta R.T. 0.01 min
Lab File: VW013497.D
Acq: 09 Oct 2019 12:17

Tgt Ion: 76 Resp: 155160
Ion Ratio Lower Upper
76 100
78 9.2 7.1 10.7

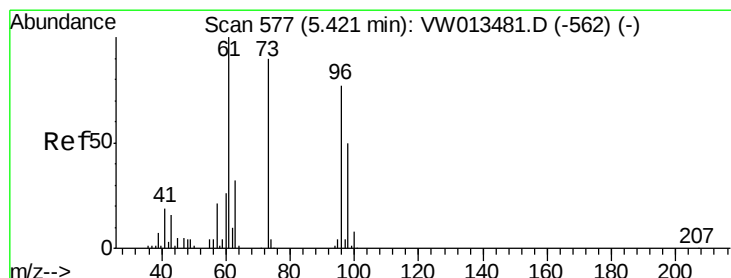
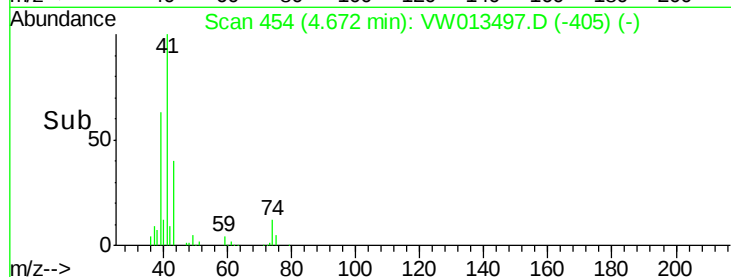
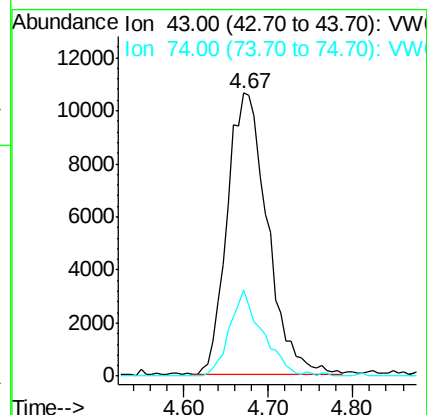
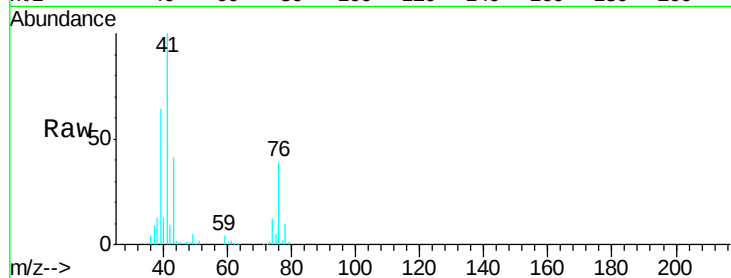




#18
Methyl Acetate
Concen: 21.503 ug/l
RT: 4.67 min Scan# 454
Delta R.T. 0.00 min
Lab File: VW013497.D
Acq: 09 Oct 2019 12:17

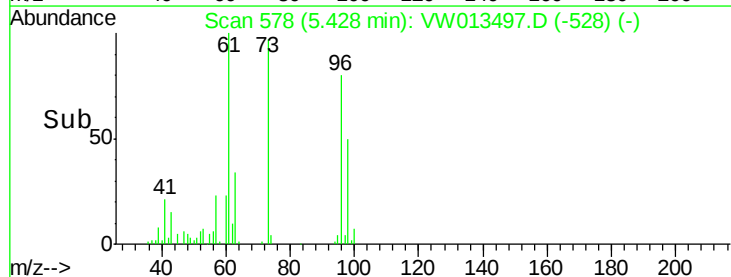
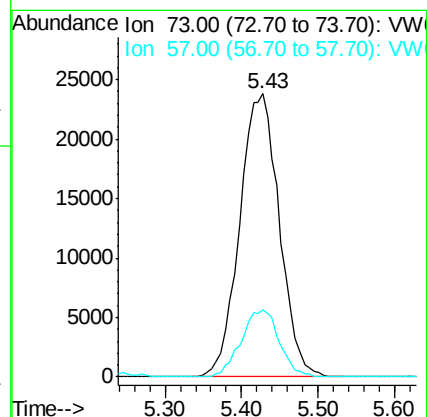
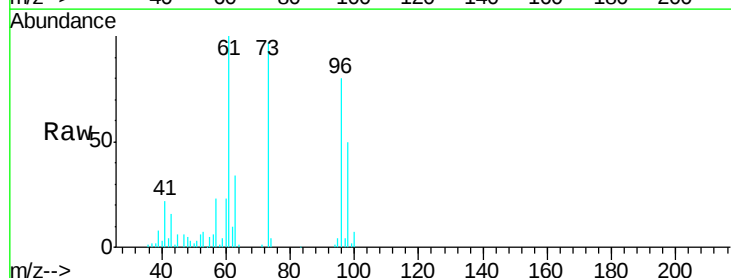
Instrument :
MSVOA_W
ClientSampleId :
VW1009SBS01

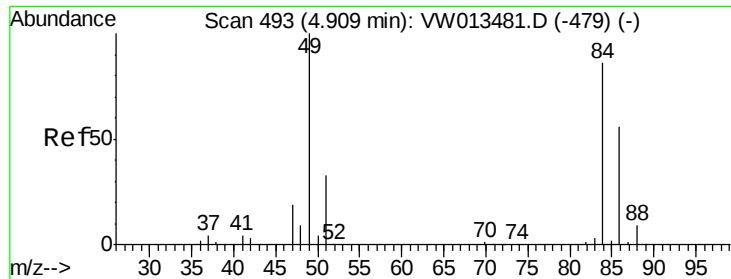
Tgt Ion: 43 Resp: 34353
Ion Ratio Lower Upper
43 100
74 25.0 19.6 29.4



#19
Methyl tert-butyl Ether
Concen: 21.001 ug/l
RT: 5.43 min Scan# 578
Delta R.T. 0.01 min
Lab File: VW013497.D
Acq: 09 Oct 2019 12:17

Tgt Ion: 73 Resp: 85498
Ion Ratio Lower Upper
73 100
57 23.6 18.6 27.8

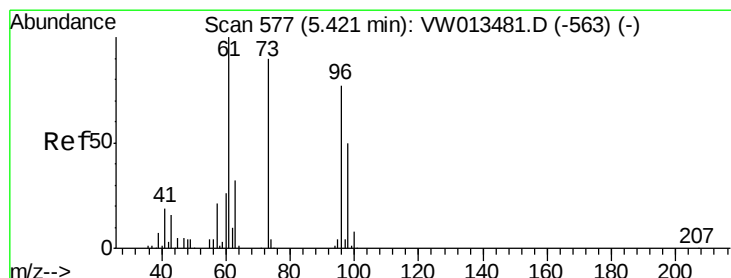
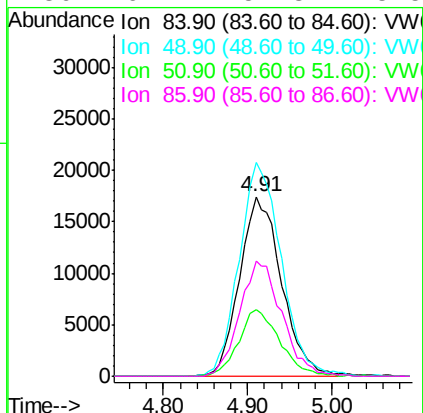
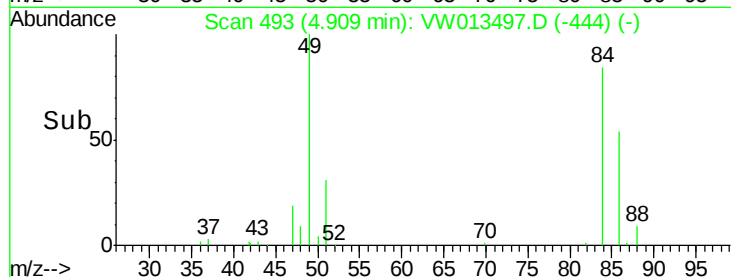
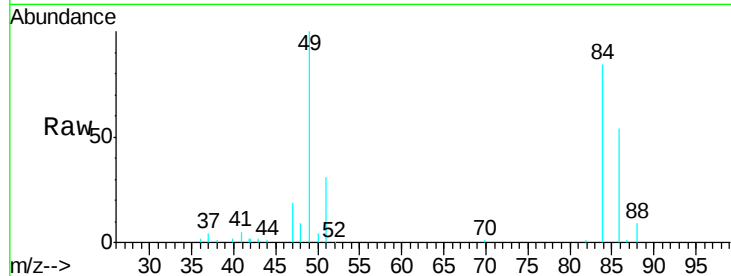




#20
Methylene Chloride
Concen: 19.362 ug/l
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW013497.D
Acq: 09 Oct 2019 12:17

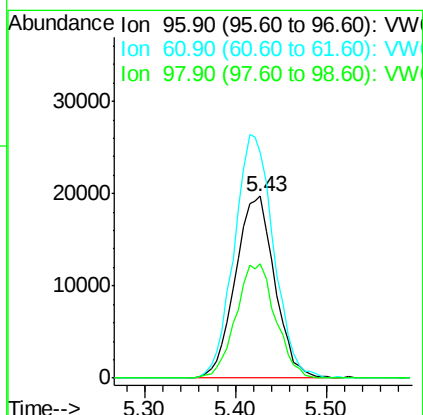
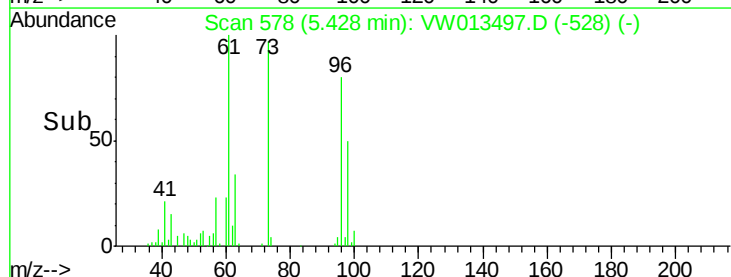
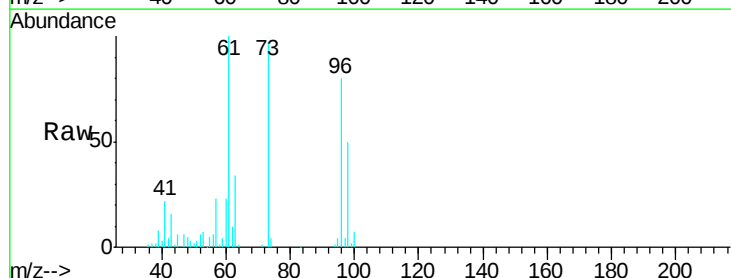
Instrument :
MSVOA_W
ClientSampleId :
VW1009SBS01

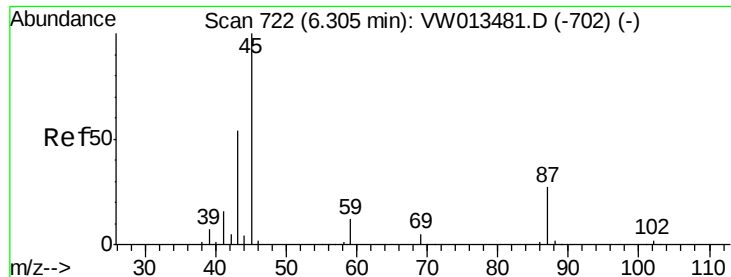
Tgt Ion:	84	Resp:	58910
Ion	Ratio	Lower	Upper
84	100		
49	118.8	93.4	140.0
51	37.0	30.6	46.0
86	64.4	52.3	78.5



#21
trans-1,2-Dichloroethene
Concen: 20.787 ug/l
RT: 5.43 min Scan# 578
Delta R.T. 0.01 min
Lab File: VW013497.D
Acq: 09 Oct 2019 12:17

Tgt Ion:	96	Resp:	59471
Ion	Ratio	Lower	Upper
96	100		
61	124.3	104.3	156.5
98	62.6	51.8	77.8

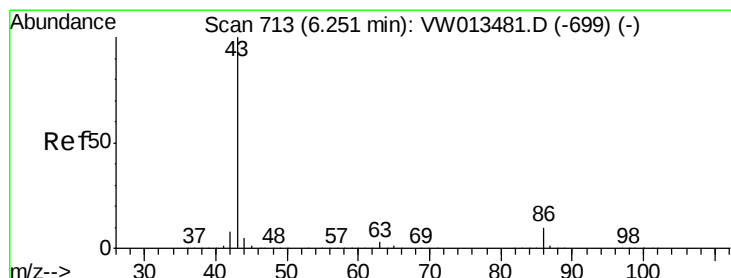
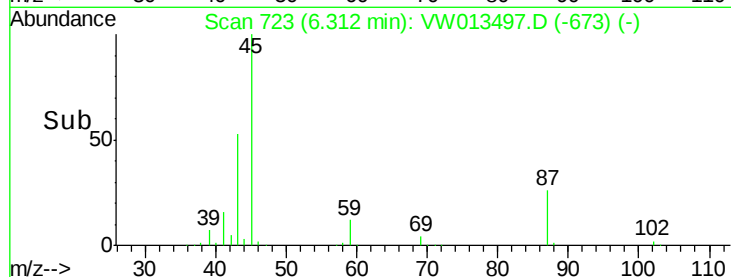
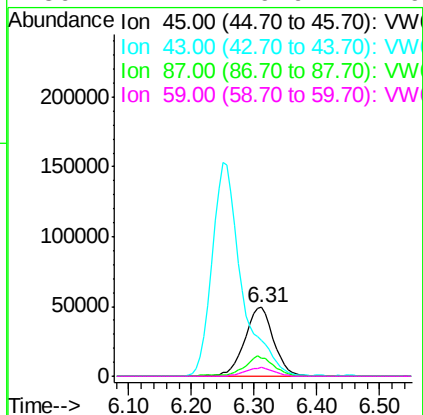
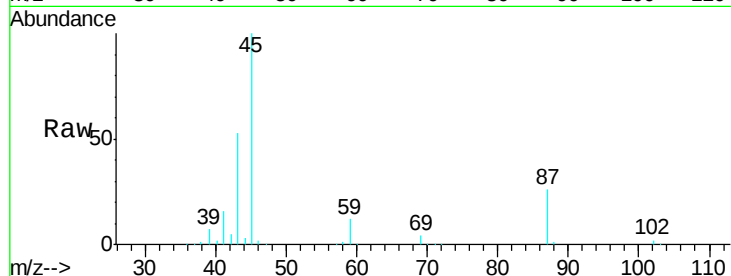




#22
Diisopropyl ether
Concen: 20.217 ug/l
RT: 6.31 min Scan# 723
Delta R.T. 0.01 min
Lab File: VW013497.D
Acq: 09 Oct 2019 12:17

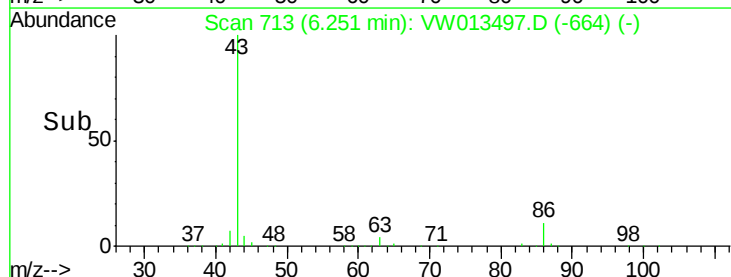
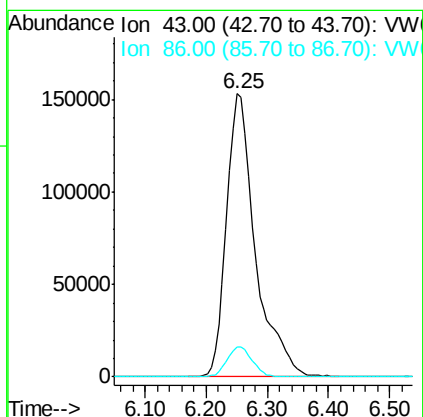
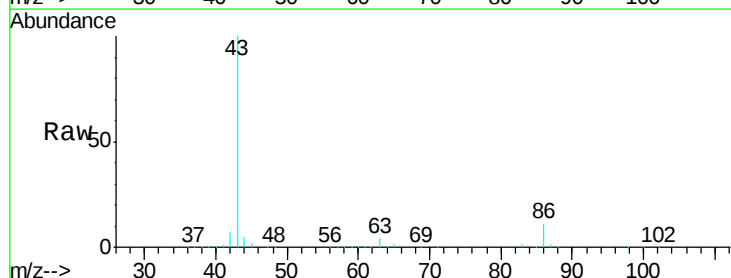
Instrument :
MSVOA_W
ClientSampleId :
VW1009SBS01

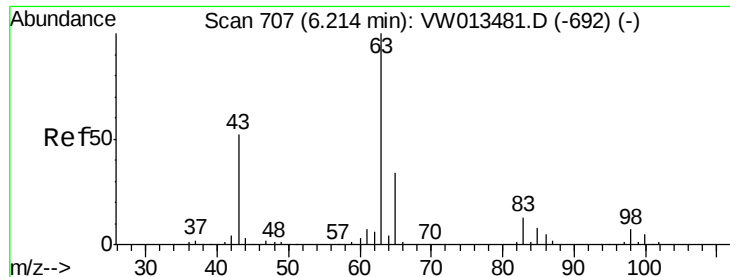
Tgt Ion:	45	Resp:	156727
Ion	Ratio	Lower	Upper
45	100		
43	51.6	43.4	65.0
87	25.7	22.1	33.1
59	12.1	9.9	14.9



#23
Vinyl Acetate
Concen: 107.278 ug/l
RT: 6.25 min Scan# 713
Delta R.T. 0.00 min
Lab File: VW013497.D
Acq: 09 Oct 2019 12:17

Tgt Ion:	43	Resp:	499281
Ion	Ratio	Lower	Upper
43	100		
86	10.7	8.3	12.5

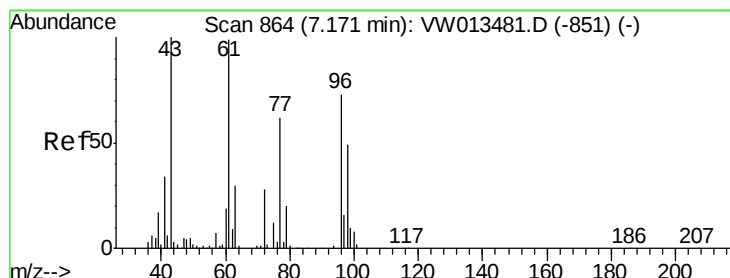
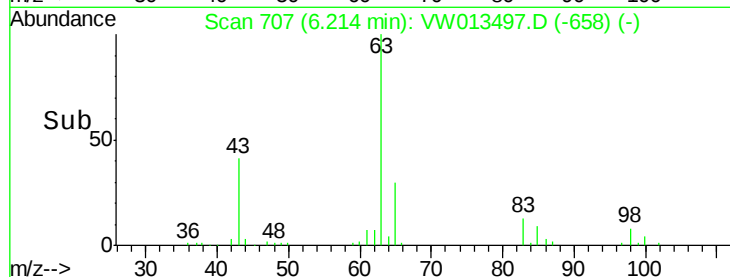
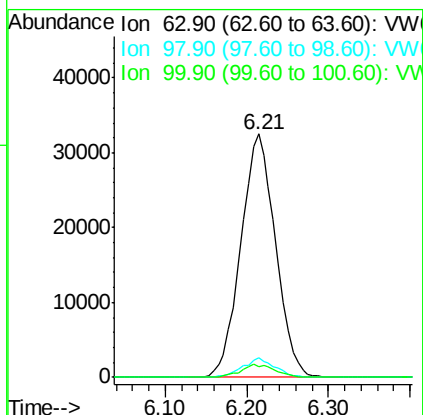
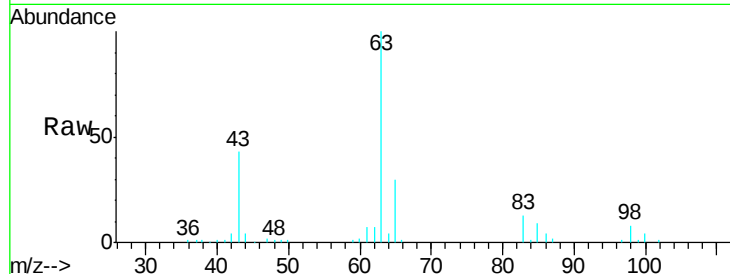




#24
 1,1-Dichloroethane
 Concen: 20.232 ug/l
 RT: 6.21 min Scan# 707
 Delta R.T. 0.00 min
 Lab File: VW013497.D
 Acq: 09 Oct 2019 12:17

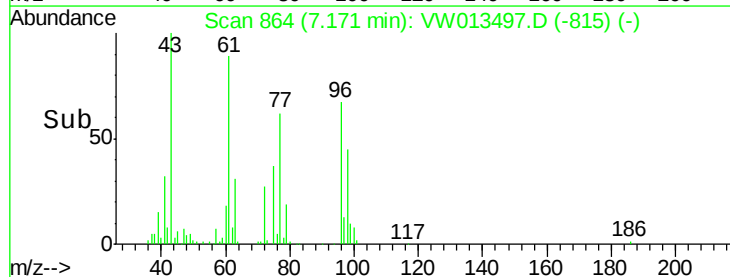
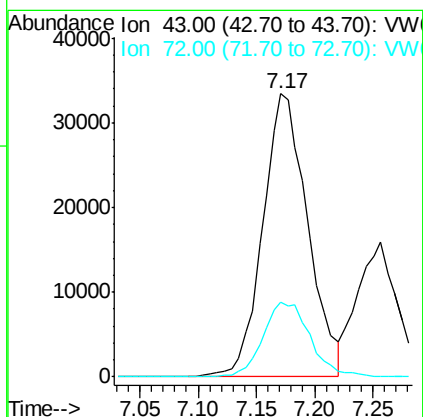
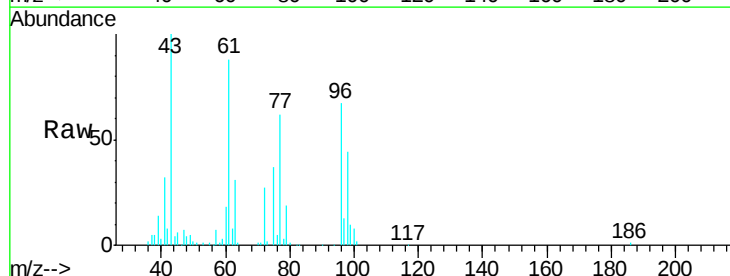
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1009SBS01

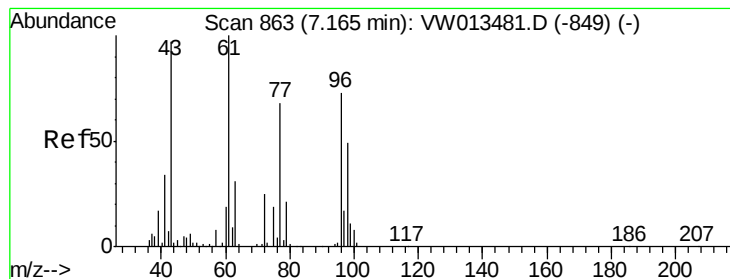
Tgt Ion: 63 Resp: 95861
 Ion Ratio Lower Upper
 63 100
 98 8.2 3.5 10.6
 100 4.5 2.3 6.8



#25
 2-Butanone
 Concen: 108.781 ug/l
 RT: 7.17 min Scan# 864
 Delta R.T. 0.00 min
 Lab File: VW013497.D
 Acq: 09 Oct 2019 12:17

Tgt Ion: 43 Resp: 89412
 Ion Ratio Lower Upper
 43 100
 72 26.6 22.1 33.1





#26

2,2-Dichloropropane

Concen: 21.469 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW013497.D

Acq: 09 Oct 2019 12:17

Instrument :

MSVOA_W

ClientSampleId :

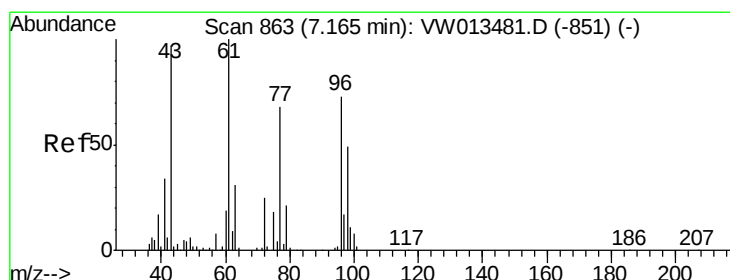
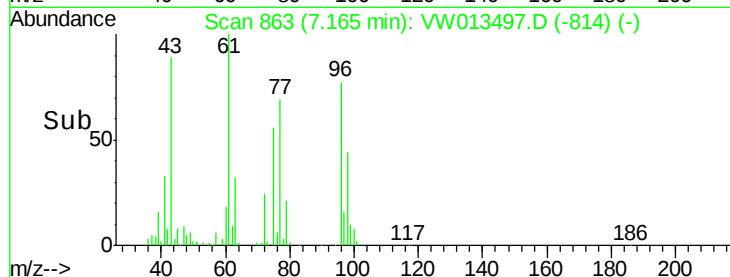
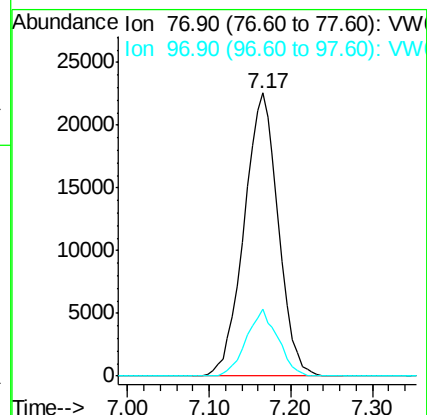
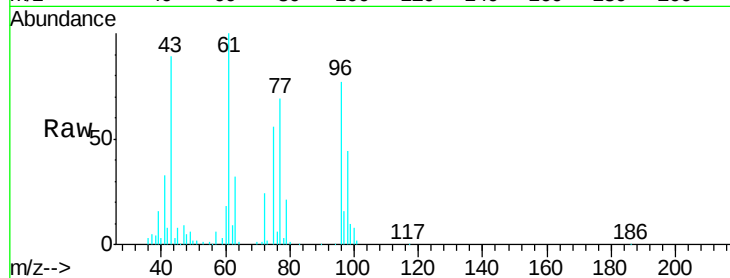
VW1009SBS01

Tgt Ion: 77 Resp: 65576

Ion Ratio Lower Upper

77 100

97 21.8 12.6 37.6



#27

cis-1,2-Dichloroethene

Concen: 20.710 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW013497.D

Acq: 09 Oct 2019 12:17

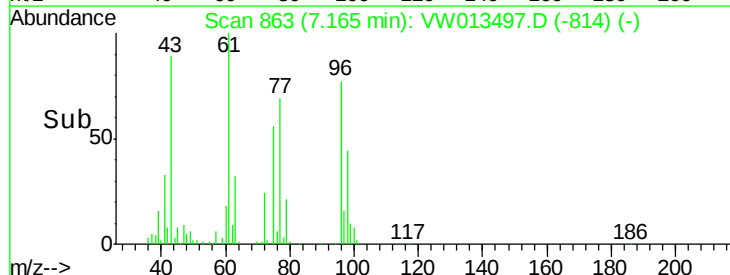
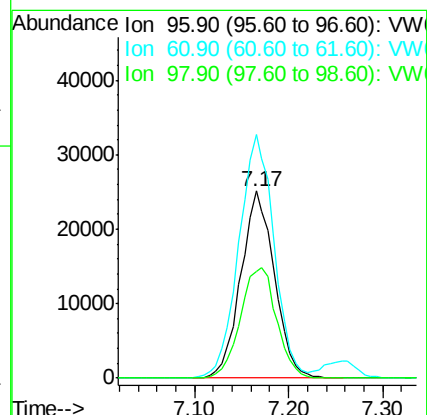
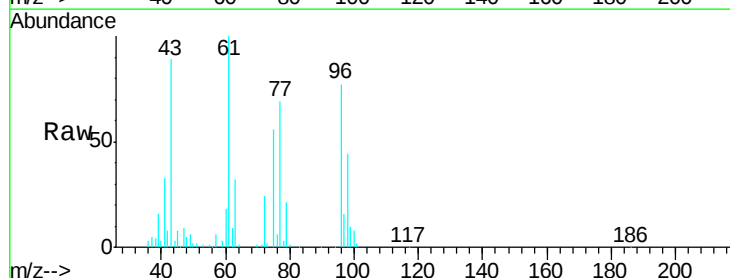
Tgt Ion: 96 Resp: 62693

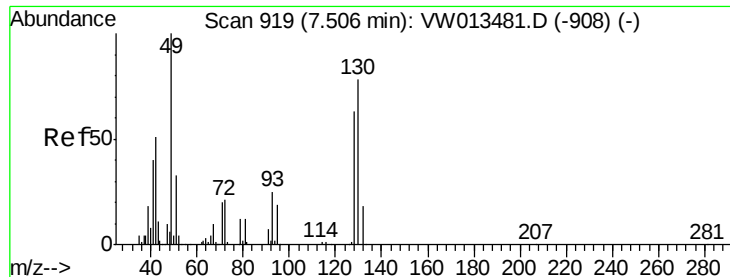
Ion Ratio Lower Upper

96 100

61 136.1 0.0 274.4

98 63.5 0.0 130.2





#28

Bromochloromethane

Concen: 16.399 ug/l

RT: 7.51 min Scan# 920

Delta R.T. 0.01 min

Lab File: VW013497.D

Acq: 09 Oct 2019 12:17

Instrument :

MSVOA_W

ClientSampleId :

VW1009SBS01

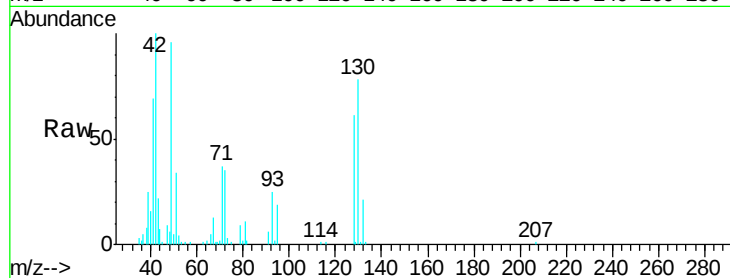
Tgt Ion: 49 Resp: 27029

Ion Ratio Lower Upper

49 100

129 1.4 0.0 1.6

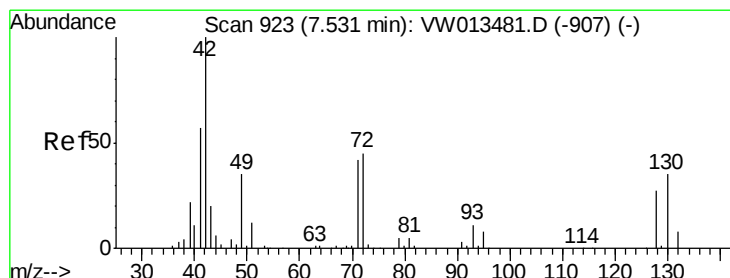
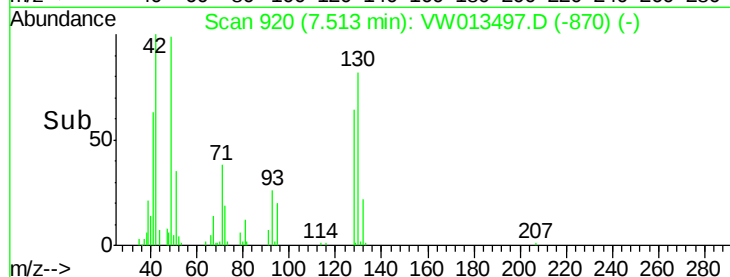
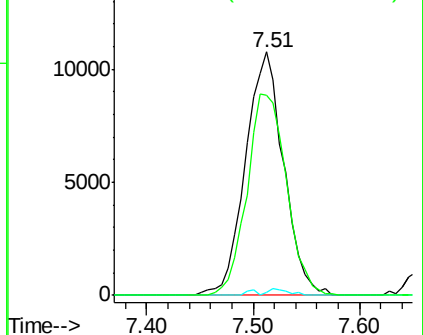
130 85.8 0.0 0.0#



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: 114.716 ug/l

RT: 7.53 min Scan# 923

Delta R.T. 0.00 min

Lab File: VW013497.D

Acq: 09 Oct 2019 12:17

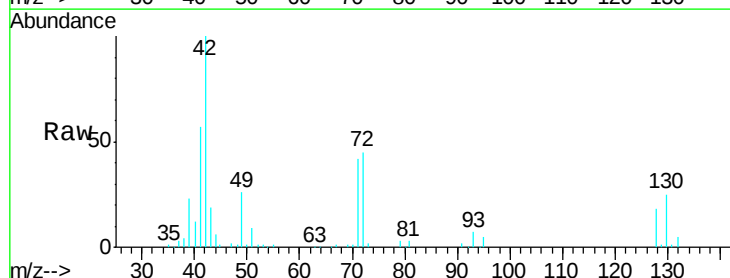
Tgt Ion: 42 Resp: 57628

Ion Ratio Lower Upper

42 100

72 41.9 34.8 52.2

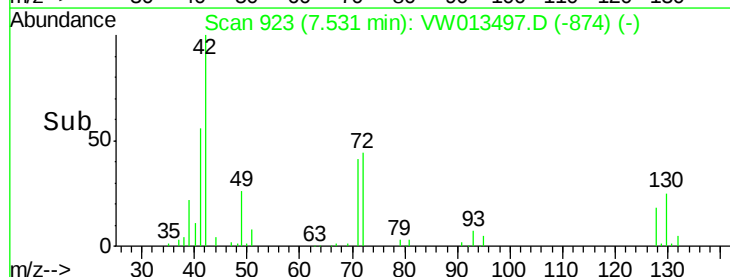
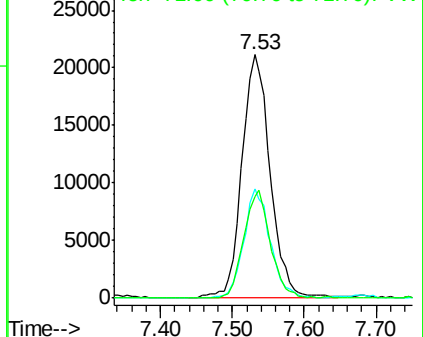
71 41.3 33.6 50.4

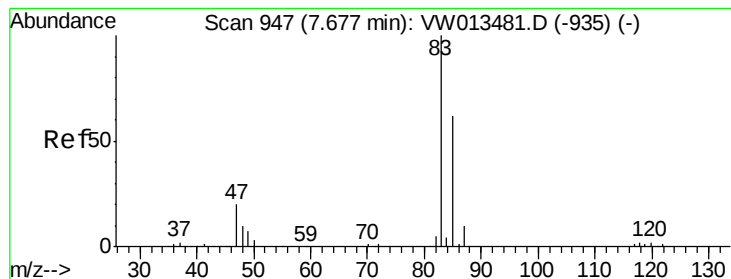


Abundance Ion 42.00 (41.70 to 42.70): VW

Ion 72.00 (71.70 to 72.70): VW

Ion 71.00 (70.70 to 71.70): VW





#30

Chloroform

Concen: 20.680 ug/l

RT: 7.67 min Scan# 946

Delta R.T. -0.01 min

Lab File: VW013497.D

Acq: 09 Oct 2019 12:17

Instrument :

MSVOA_W

ClientSampleId :

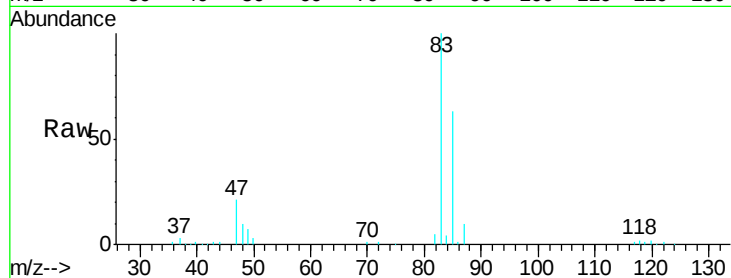
VW1009SBS01

Tgt Ion: 83 Resp: 94780

Ion Ratio Lower Upper

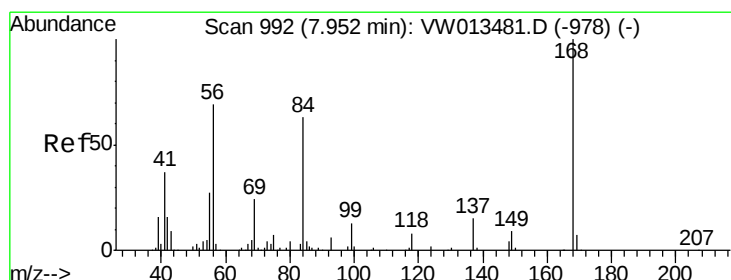
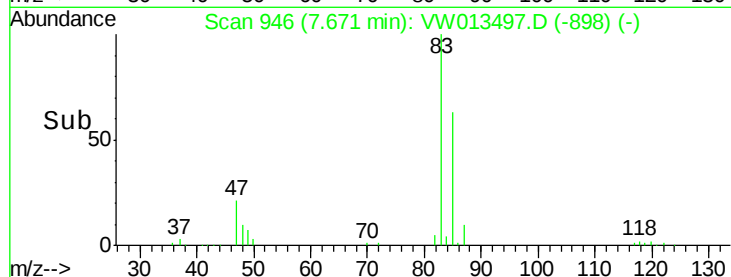
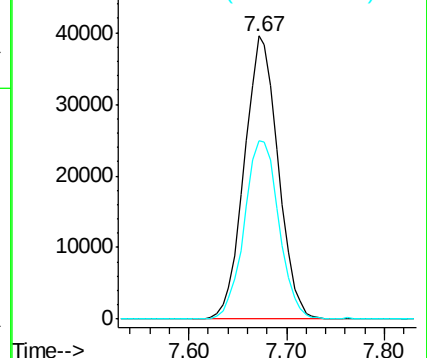
83 100

85 63.1 49.4 74.2



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW



#31

Cyclohexane

Concen: 20.268 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW013497.D

Acq: 09 Oct 2019 12:17

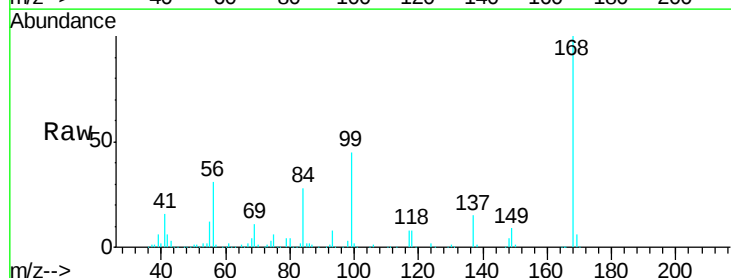
Tgt Ion: 56 Resp: 101642

Ion Ratio Lower Upper

56 100

69 35.4 28.0 42.0

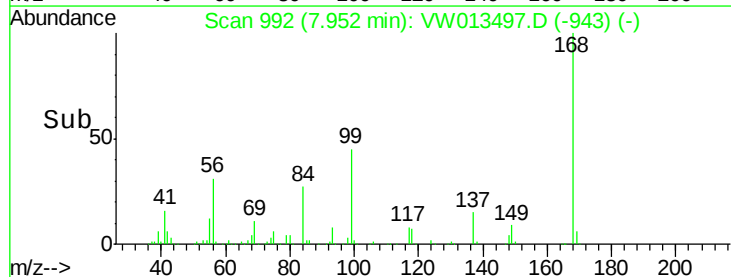
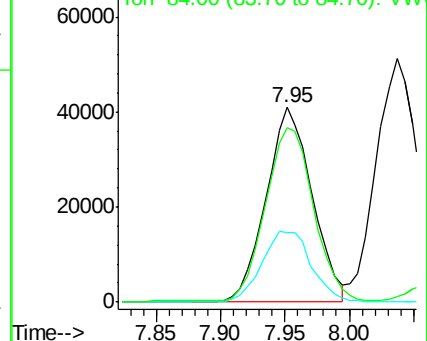
84 88.9 71.8 107.6

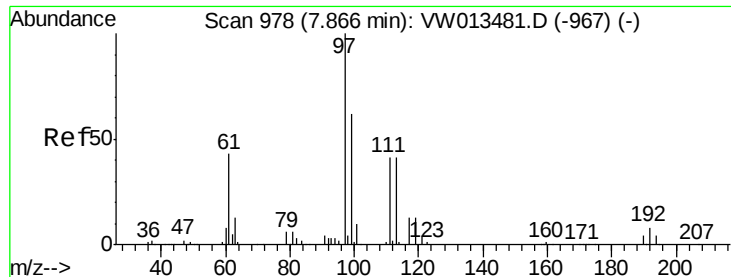


Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 84.00 (83.70 to 84.70): VW





#32

1,1,1-Trichloroethane

Concen: 20.885 ug/l

RT: 7.87 min Scan# 979

Delta R.T. 0.01 min

Lab File: VW013497.D

Acq: 09 Oct 2019 12:17

Instrument :

MSVOA_W

ClientSampleId :

VW1009SBS01

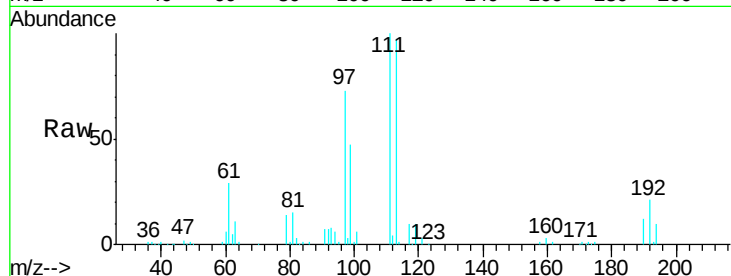
Tgt Ion: 97 Resp: 77810

Ion Ratio Lower Upper

97 100

99 63.2 52.3 78.5

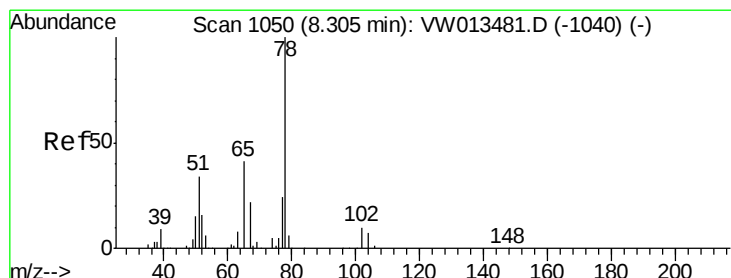
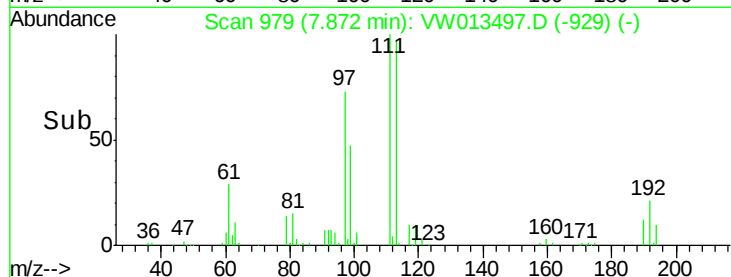
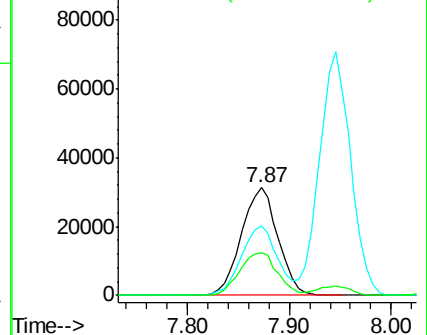
61 41.5 33.7 50.5



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: 50.427 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW013497.D

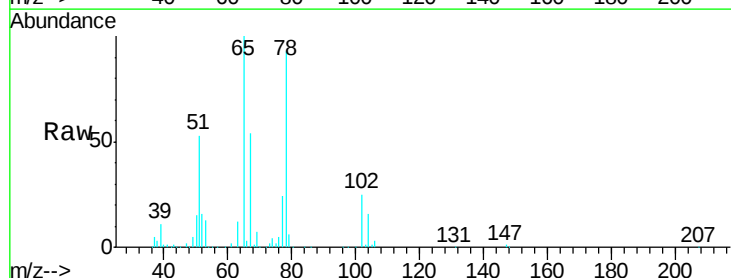
Acq: 09 Oct 2019 12:17

Tgt Ion: 65 Resp: 120857

Ion Ratio Lower Upper

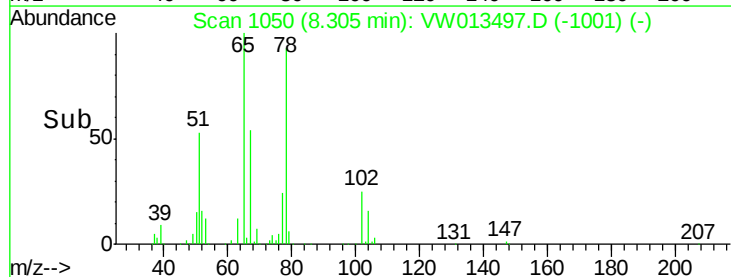
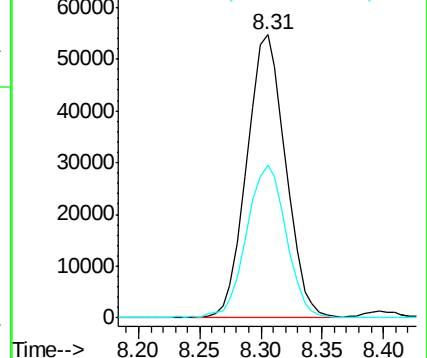
65 100

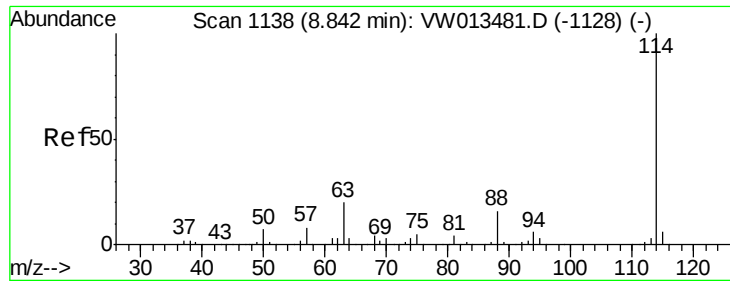
67 55.3 0.0 109.4



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

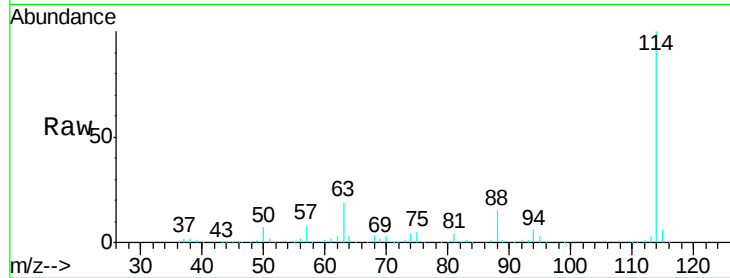




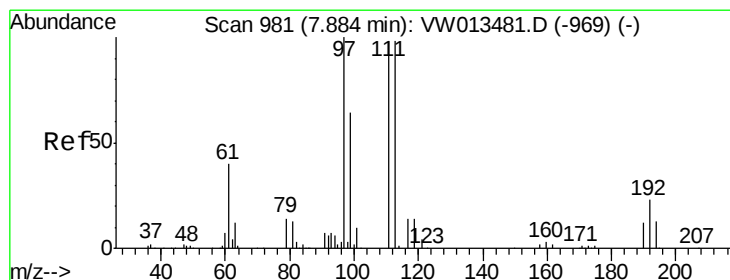
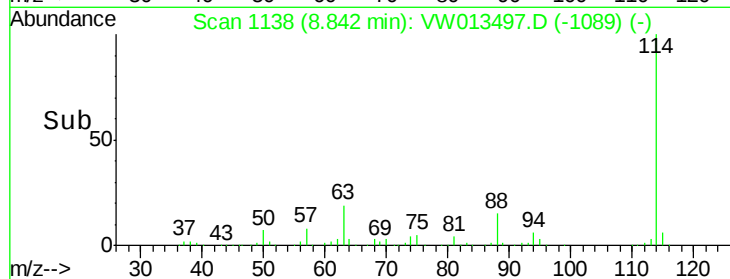
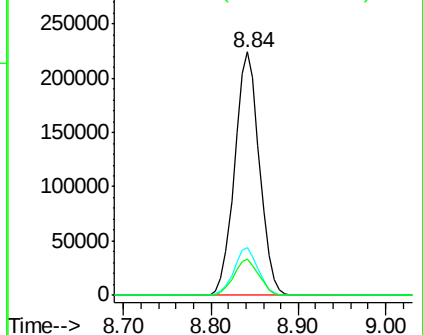
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW013497.D
 Acq: 09 Oct 2019 12:17

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1009SBS01

Tgt Ion:114 Resp: 440599
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 40.4
 88 14.8 0.0 31.4

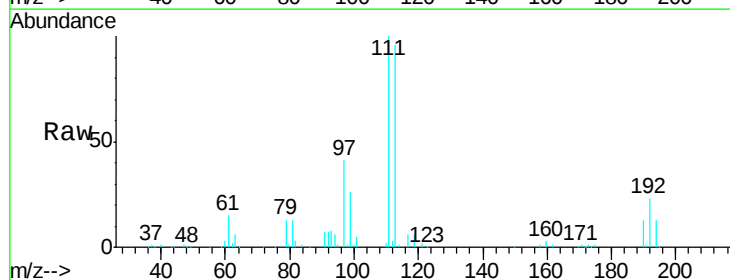


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

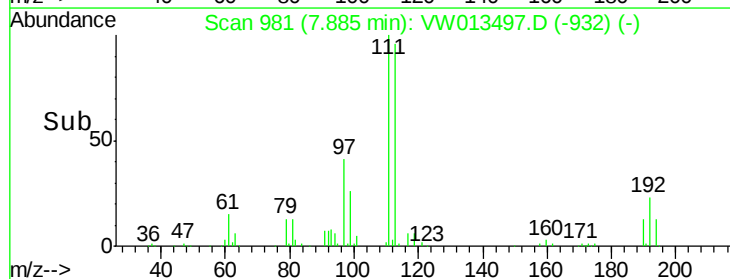
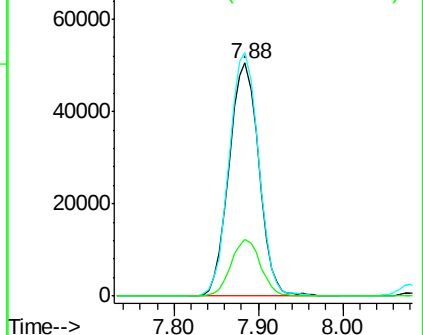


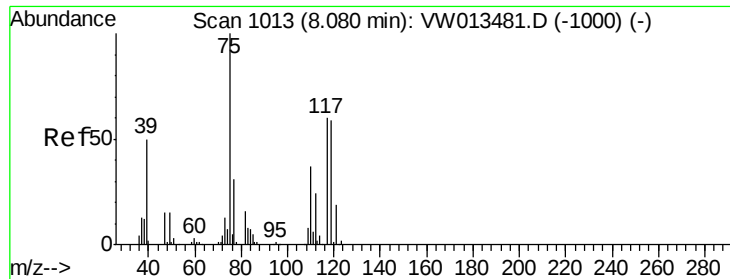
#35
 Dibromofluoromethane
 Concen: 49.162 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW013497.D
 Acq: 09 Oct 2019 12:17

Tgt Ion:113 Resp: 120979
 Ion Ratio Lower Upper
 113 100
 111 103.3 82.3 123.5
 192 23.8 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

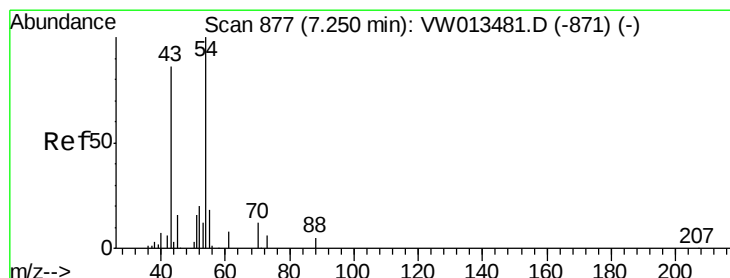
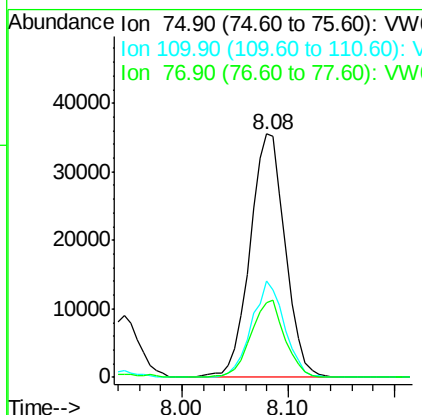
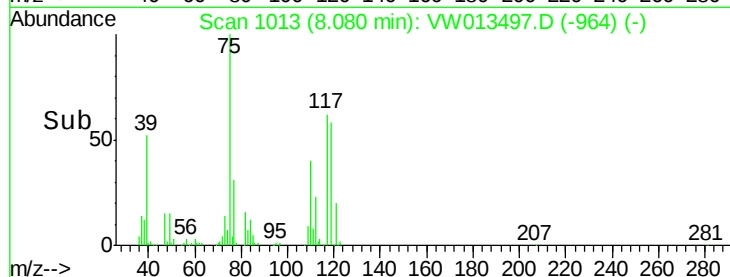
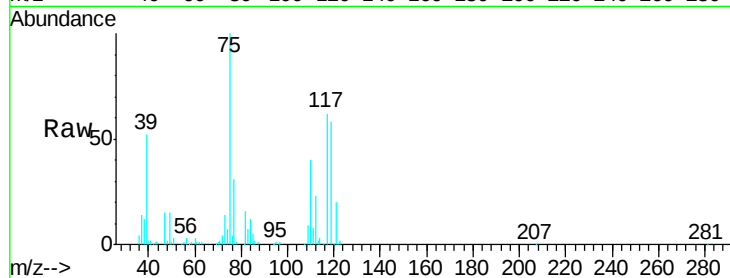




#36
 1,1-Dichloropropene
 Concen: 20.657 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: VW013497.D
 Acq: 09 Oct 2019 12:17

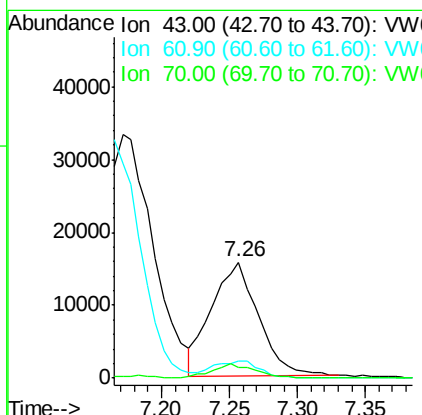
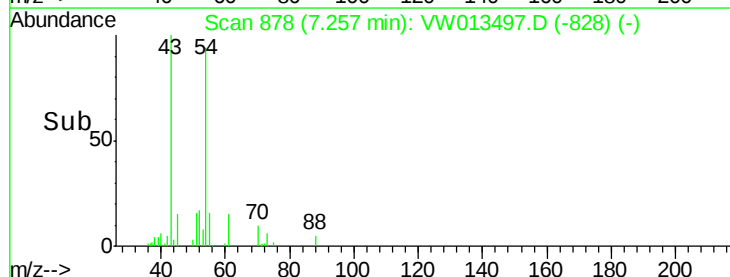
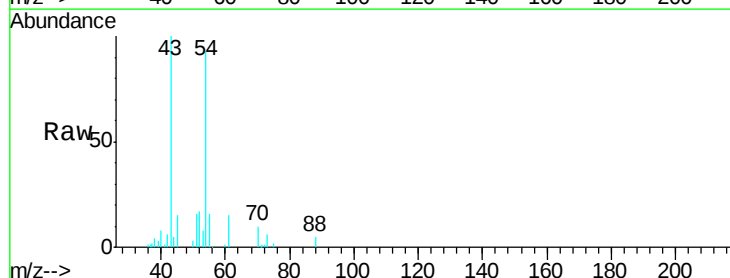
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1009SBS01

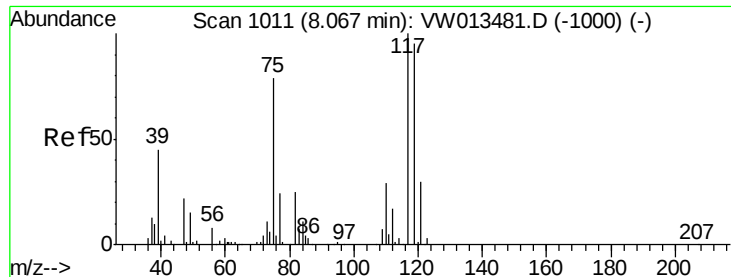
Tgt Ion: 75 Resp: 82335
 Ion Ratio Lower Upper
 75 100
 110 36.9 18.4 55.2
 77 30.7 25.0 37.4



#37
 Ethyl Acetate
 Concen: 20.921 ug/l
 RT: 7.26 min Scan# 878
 Delta R.T. 0.01 min
 Lab File: VW013497.D
 Acq: 09 Oct 2019 12:17

Tgt Ion: 43 Resp: 37834
 Ion Ratio Lower Upper
 43 100
 61 15.5 10.9 16.3
 70 11.3 9.2 13.8





#38

Carbon Tetrachloride

Concen: 20.712 ug/l

RT: 8.07 min Scan# 1011

Delta R.T. 0.00 min

Lab File: VW013497.D

Acq: 09 Oct 2019 12:17

Instrument :

MSVOA_W

ClientSampleId :

VW1009SBS01

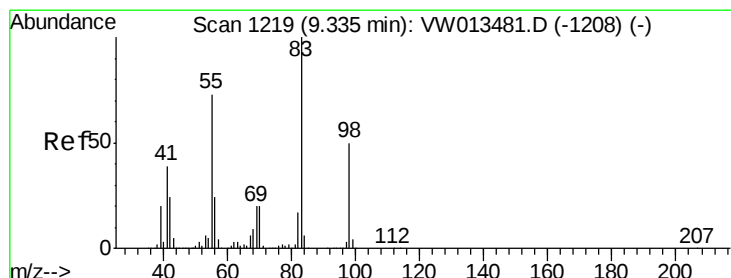
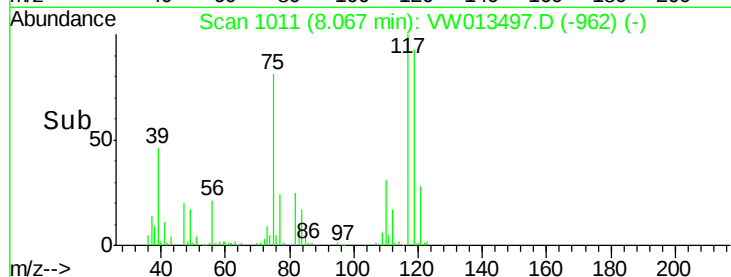
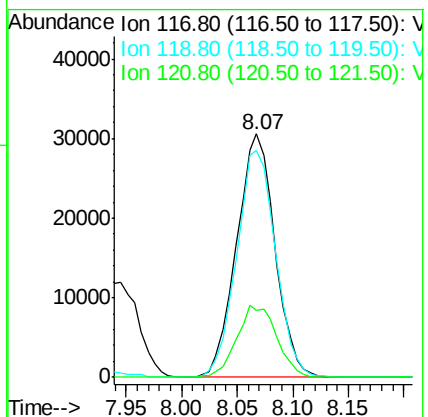
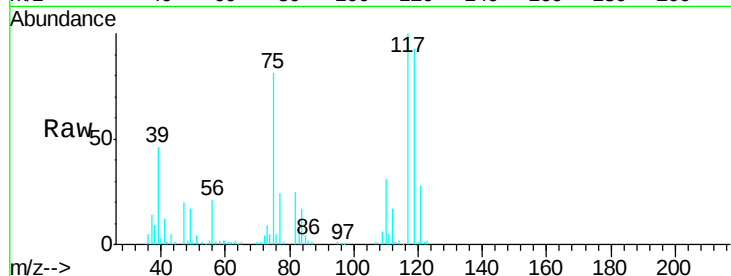
Tgt Ion: 117 Resp: 73181

Ion Ratio Lower Upper

117 100

119 93.1 76.3 114.5

121 27.5 23.6 35.4



#39

Methylcyclohexane

Concen: 21.153 ug/l

RT: 9.34 min Scan# 1219

Delta R.T. 0.00 min

Lab File: VW013497.D

Acq: 09 Oct 2019 12:17

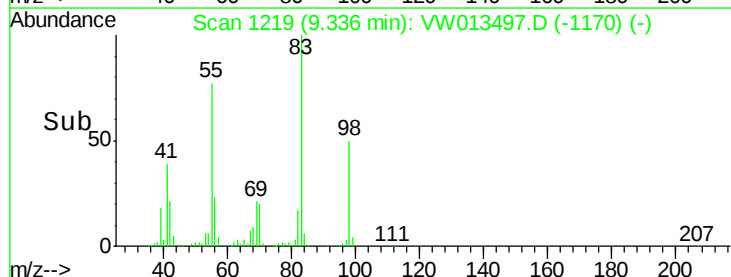
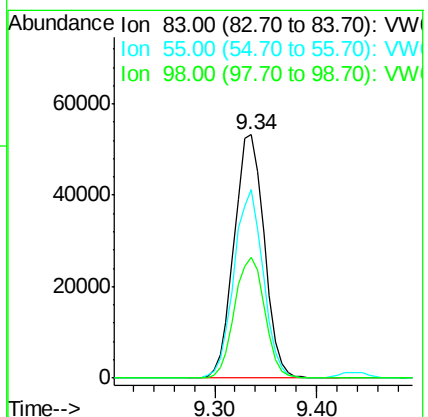
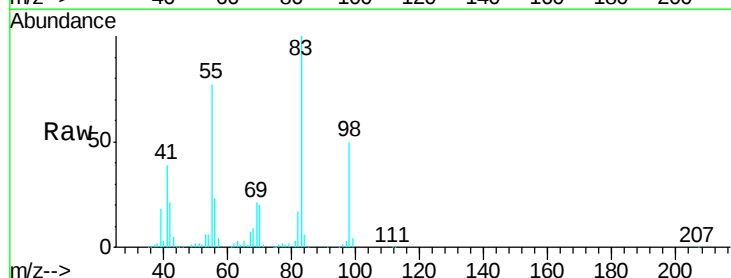
Tgt Ion: 83 Resp: 109231

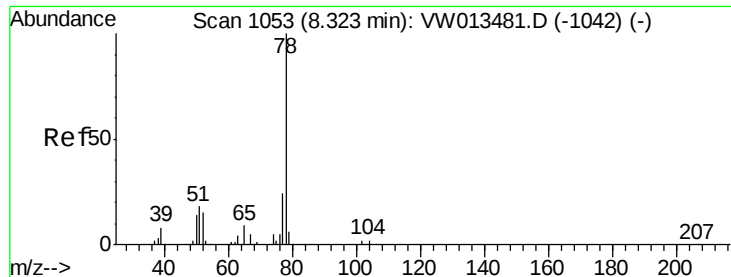
Ion Ratio Lower Upper

83 100

55 77.5 58.2 87.4

98 49.5 39.8 59.6





#40

Benzene

Concen: 20.381 ug/l

RT: 8.32 min Scan# 1053

Delta R.T. 0.00 min

Lab File: VW013497.D

Acq: 09 Oct 2019 12:17

Instrument :

MSVOA_W

ClientSampleId :

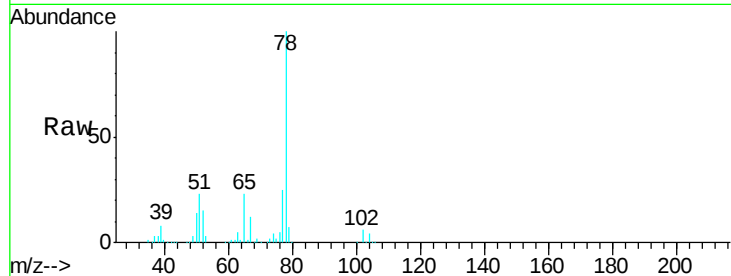
VW1009SBS01

Tgt Ion: 78 Resp: 226765

Ion Ratio Lower Upper

78 100

77 25.1 19.2 28.8



Abundance Ion 78.00 (77.70 to 78.70): VW

Ion 77.00 (76.70 to 77.70): VW

8.32

120000

100000

80000

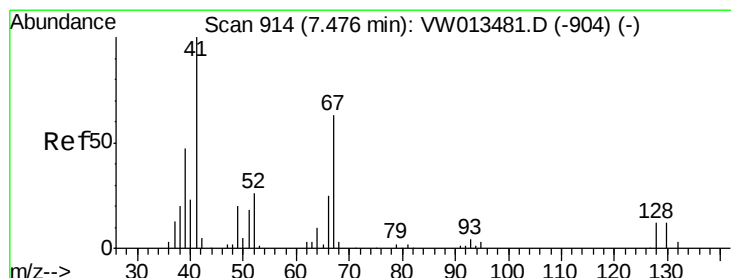
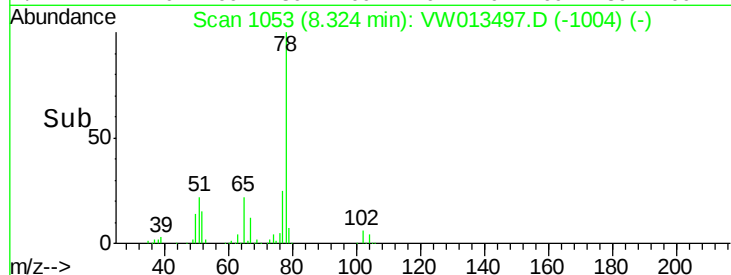
60000

40000

20000

0

Time-->



#41

Methacrylonitrile

Concen: 23.192 ug/l

RT: 7.48 min Scan# 914

Delta R.T. 0.00 min

Lab File: VW013497.D

Acq: 09 Oct 2019 12:17

Tgt Ion: 41 Resp: 23850

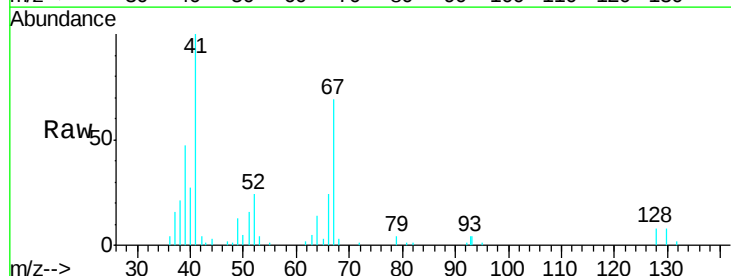
Ion Ratio Lower Upper

41 100

39 55.1 39.4 59.0

67 69.2 57.0 85.6

52 26.9 22.4 33.6



Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW

15000

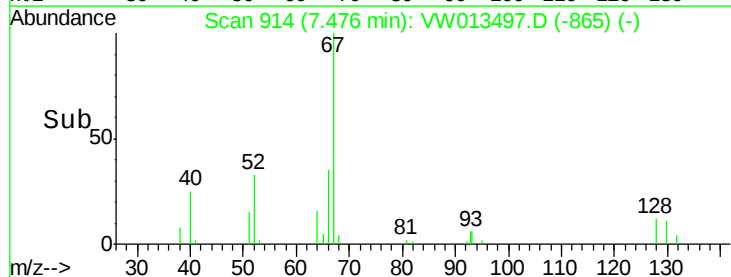
10000

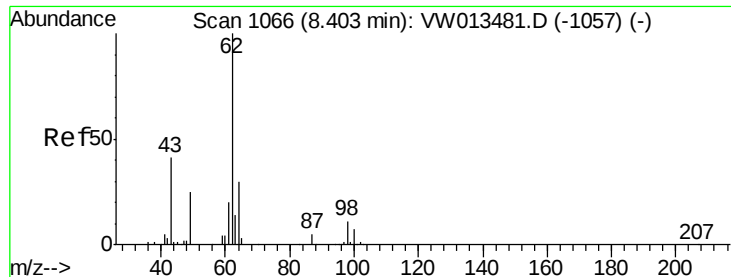
7.48

5000

0

Time-->





#42

1,2-Dichloroethane

Concen: 20.966 ug/l

RT: 8.40 min Scan# 1065

Delta R.T. -0.01 min

Lab File: VW013497.D

Acq: 09 Oct 2019 12:17

Instrument :

MSVOA_W

ClientSampleId :

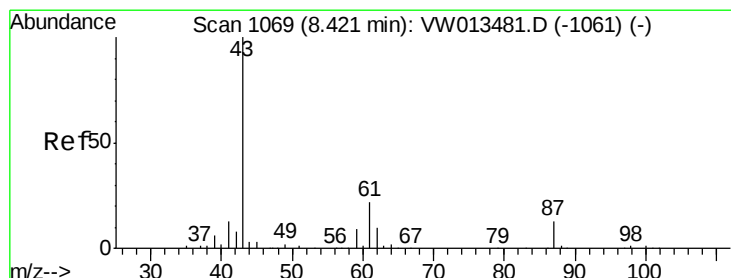
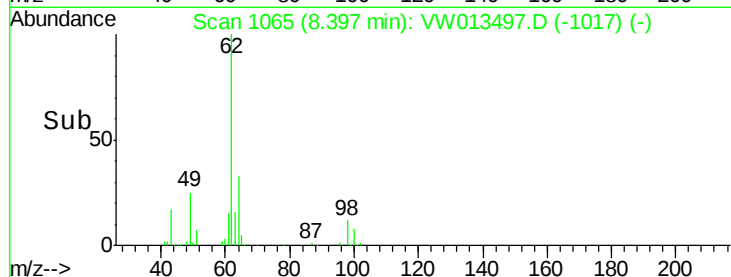
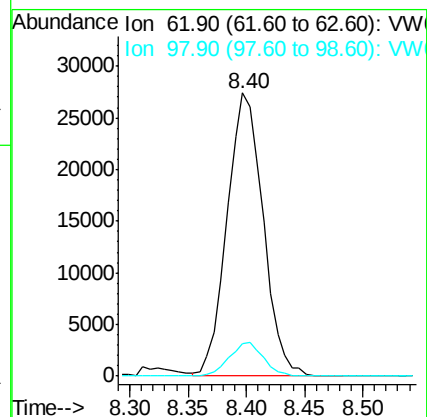
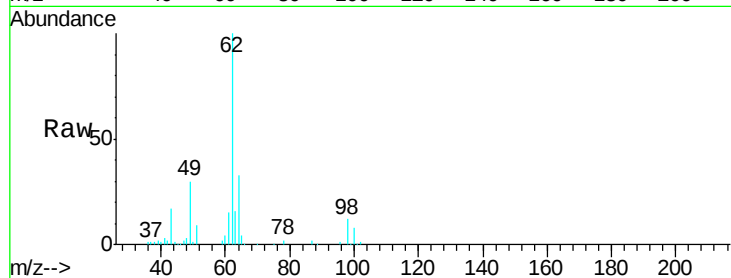
VW1009SBS01

Tgt Ion: 62 Resp: 58961

Ion Ratio Lower Upper

62 100

98 11.4 0.0 21.4



#43

Isopropyl Acetate

Concen: 21.903 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW013497.D

Acq: 09 Oct 2019 12:17

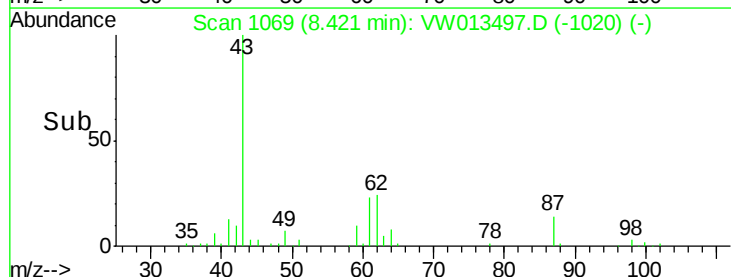
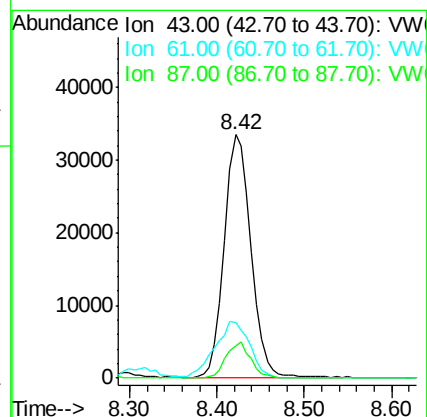
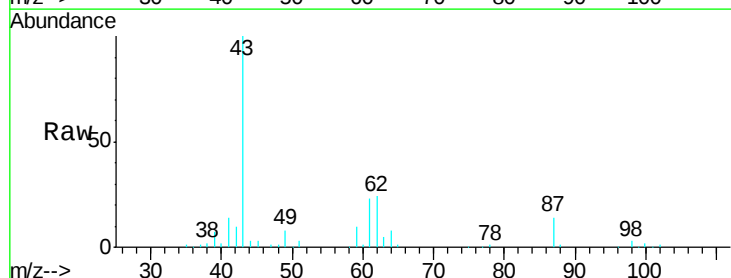
Tgt Ion: 43 Resp: 71561

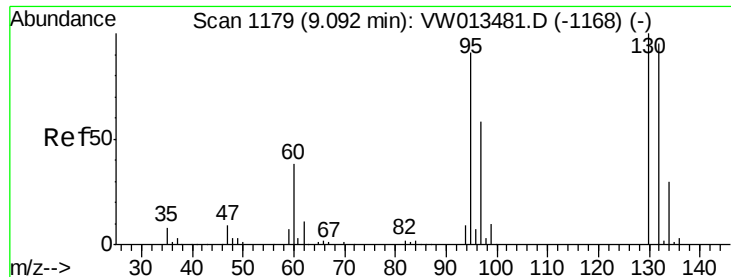
Ion Ratio Lower Upper

43 100

61 29.6 25.4 38.2

87 13.7 10.8 16.2





#44

Trichloroethene

Concen: 20.817 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW013497.D

Acq: 09 Oct 2019 12:17

Instrument :

MSVOA_W

ClientSampleId :

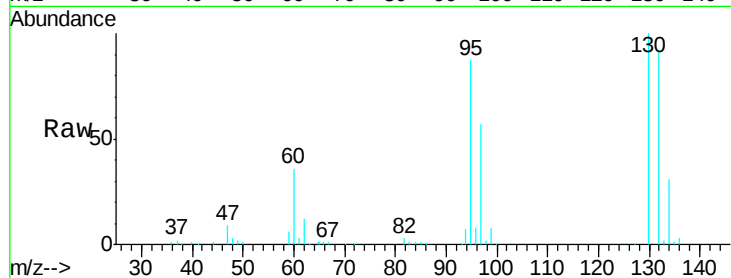
VW1009SBS01

Tgt Ion:130 Resp: 66075

Ion Ratio Lower Upper

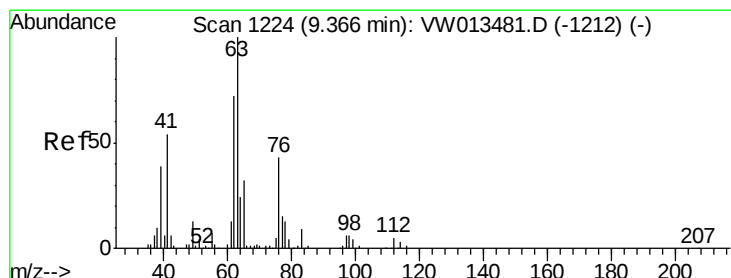
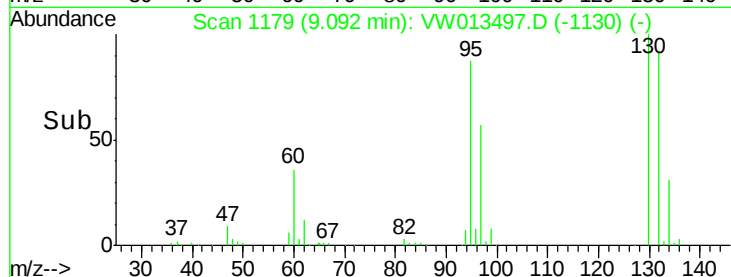
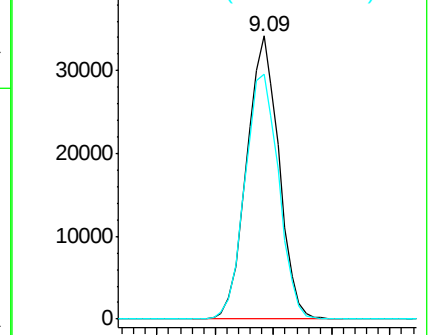
130 100

95 86.7 0.0 182.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW



#45

1,2-Dichloropropane

Concen: 20.322 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW013497.D

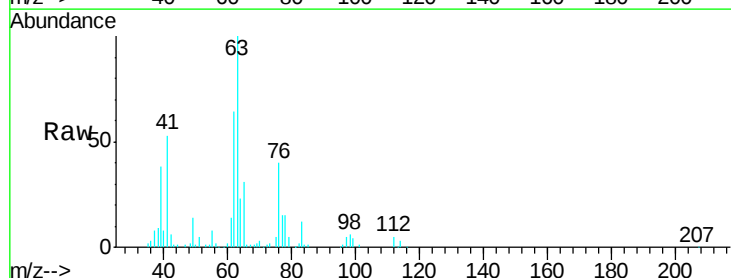
Acq: 09 Oct 2019 12:17

Tgt Ion: 63 Resp: 54268

Ion Ratio Lower Upper

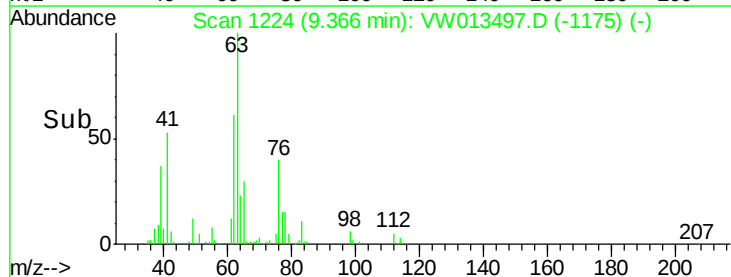
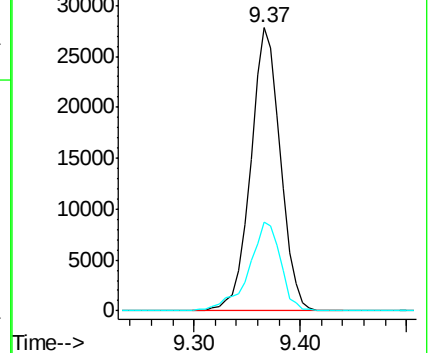
63 100

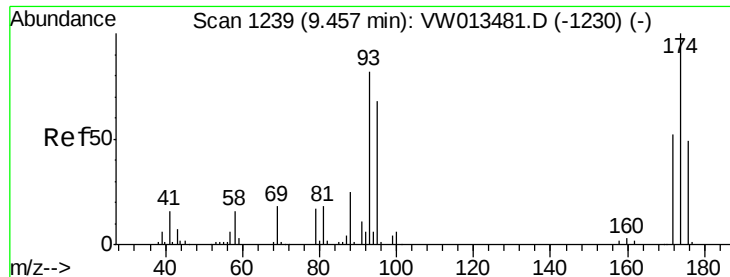
65 31.3 25.8 38.6



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 64.90 (64.60 to 65.60): VW





#46

Dibromomethane

Concen: 21.231 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VW013497.D

Acq: 09 Oct 2019 12:17

Instrument :

MSVOA_W

ClientSampleId :

VW1009SBS01

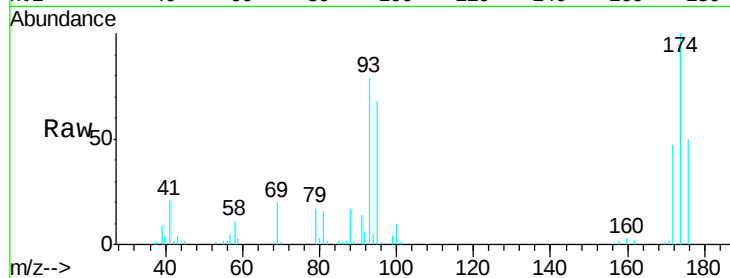
Tgt Ion: 93 Resp: 28245

Ion Ratio Lower Upper

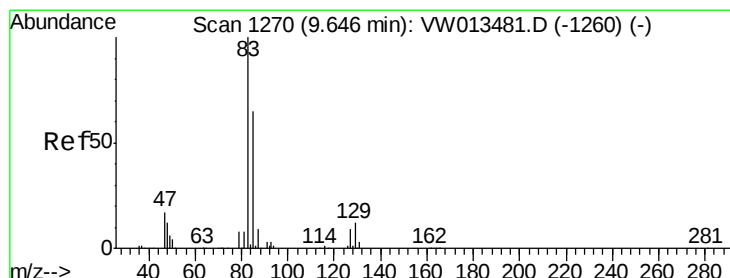
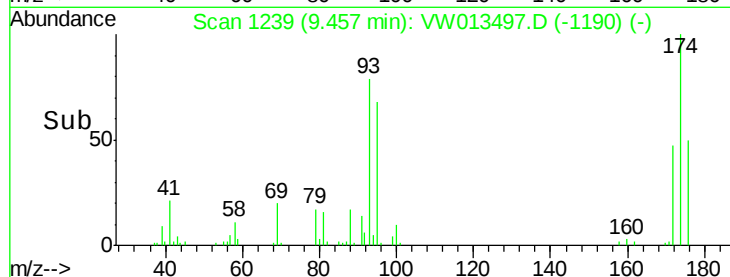
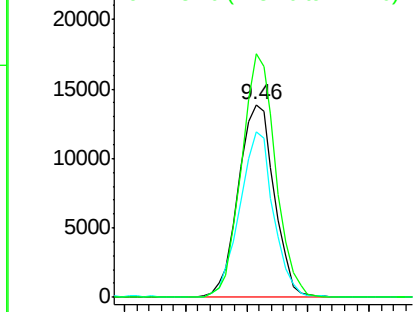
93 100

95 80.9 68.0 102.0

174 120.4 97.0 145.6



Abundance Ion 92.80 (92.50 to 93.50): VW
Ion 94.80 (94.50 to 95.50): VW
Ion 173.70 (173.40 to 174.40): V



#47

Bromodichloromethane

Concen: 20.250 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VW013497.D

Acq: 09 Oct 2019 12:17

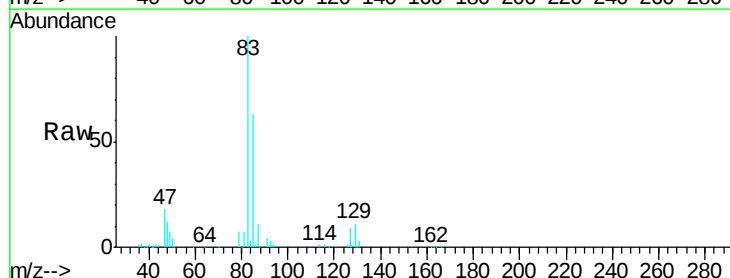
Tgt Ion: 83 Resp: 66967

Ion Ratio Lower Upper

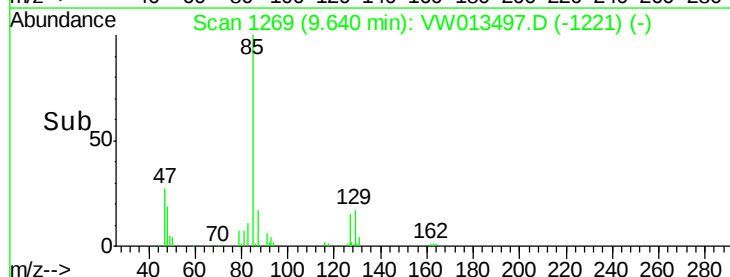
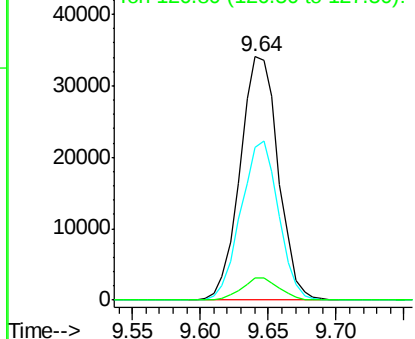
83 100

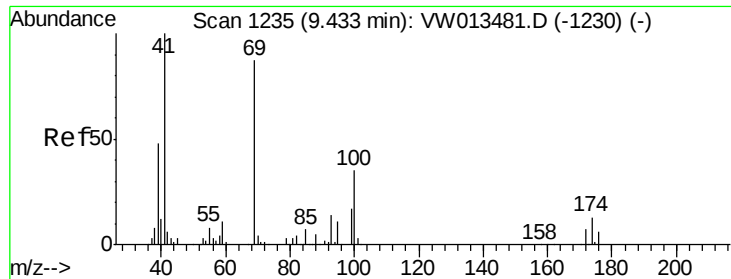
85 62.6 51.9 77.9

127 9.3 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

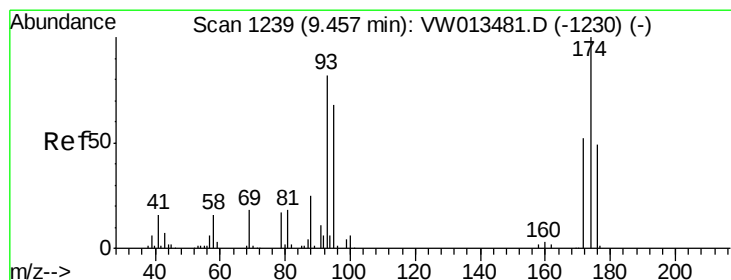
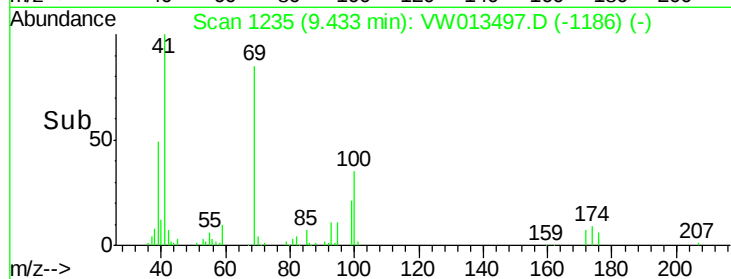
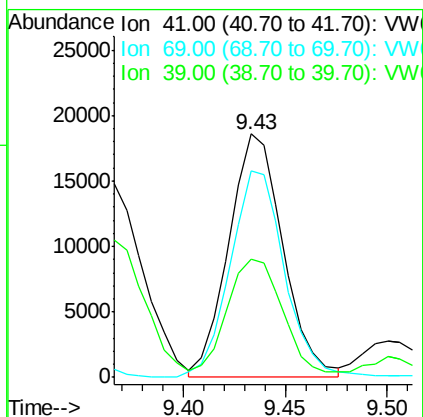
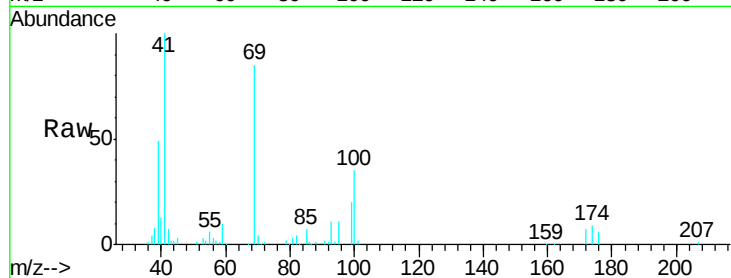




#48
Methyl methacrylate
Concen: 21.332 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. 0.00 min
Lab File: VW013497.D
Acq: 09 Oct 2019 12:17

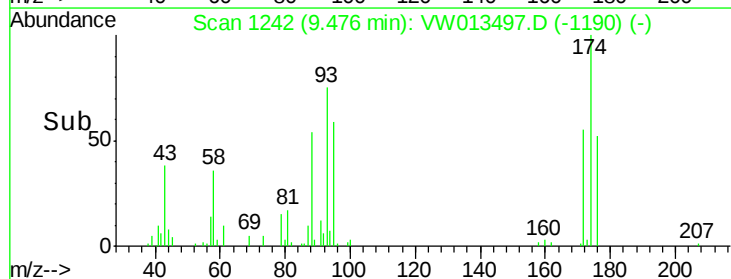
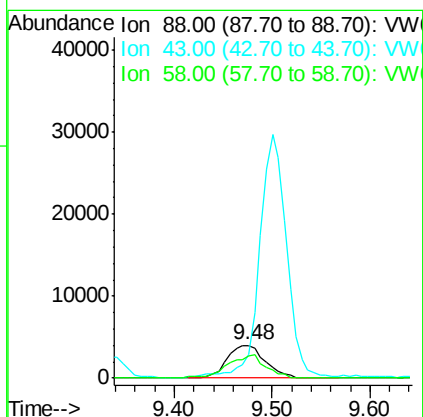
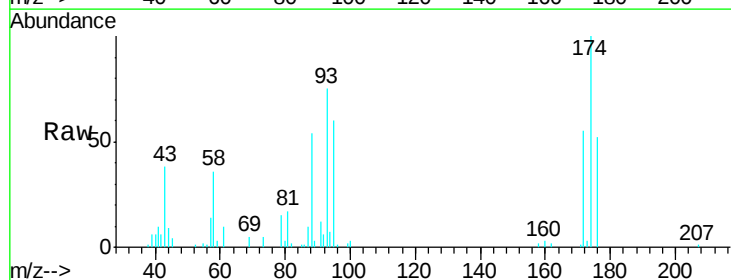
Instrument :
MSVOA_W
ClientSampleId :
VW1009SBS01

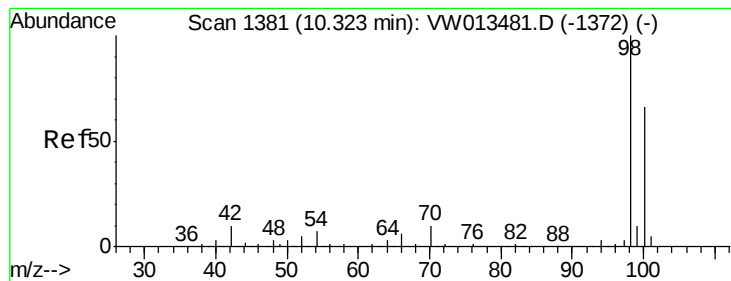
Tgt Ion: 41 Resp: 34331
Ion Ratio Lower Upper
41 100
69 85.7 70.4 105.6
39 46.3 37.3 55.9



#49
1,4-Dioxane
Concen: 465.027 ug/l
RT: 9.48 min Scan# 1242
Delta R.T. 0.02 min
Lab File: VW013497.D
Acq: 09 Oct 2019 12:17

Tgt Ion: 88 Resp: 10863
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 70.1 60.0 90.0





#50

Toluene-d8

Concen: 49.908 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW013497.D

Acq: 09 Oct 2019 12:17

Instrument :

MSVOA_W

ClientSampleId :

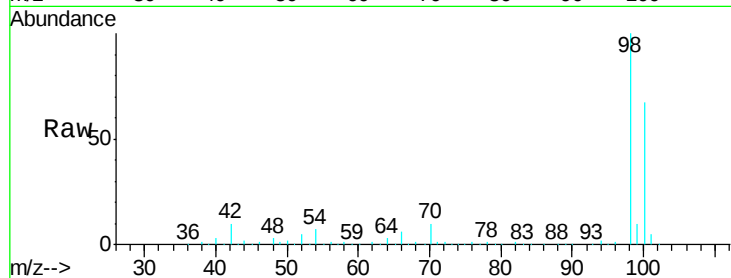
VW1009SBS01

Tgt Ion: 98 Resp: 516122

Ion Ratio Lower Upper

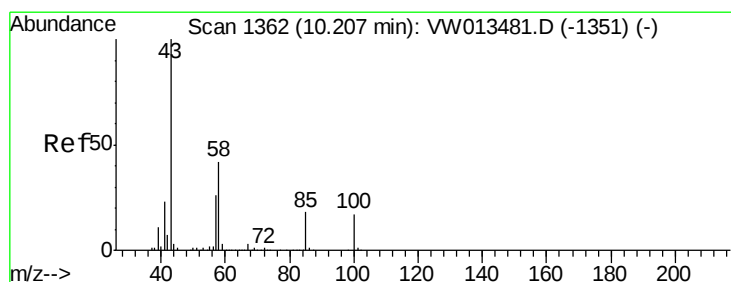
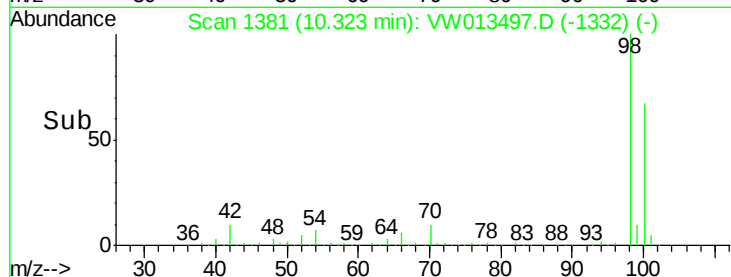
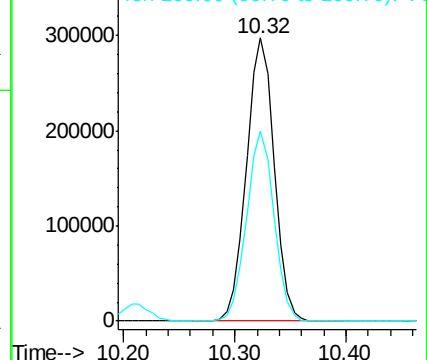
98 100

100 66.4 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: 108.921 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW013497.D

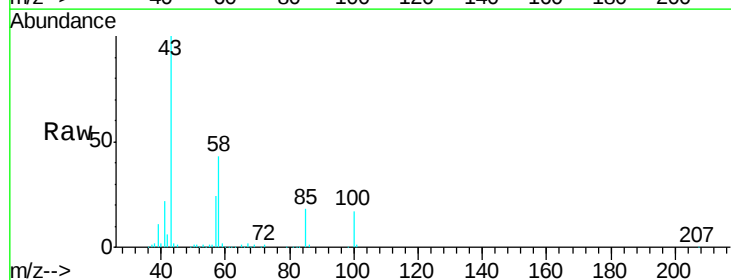
Acq: 09 Oct 2019 12:17

Tgt Ion: 43 Resp: 187090

Ion Ratio Lower Upper

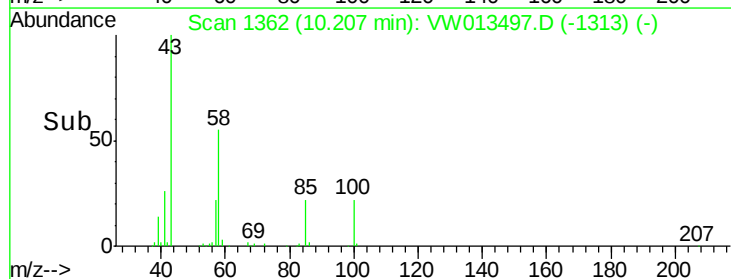
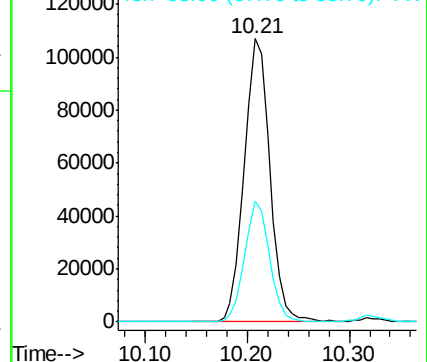
43 100

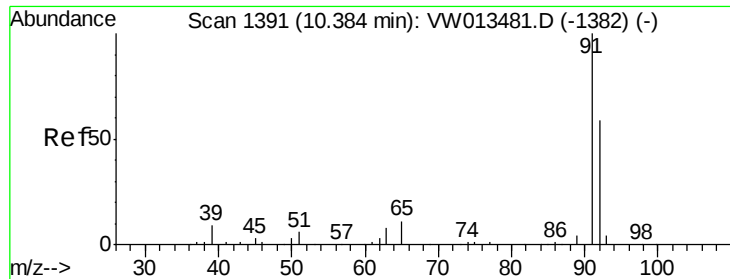
58 41.2 32.8 49.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#52

Toluene

Concen: 20.598 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW013497.D

Acq: 09 Oct 2019 12:17

Instrument :

MSVOA_W

ClientSampleId :

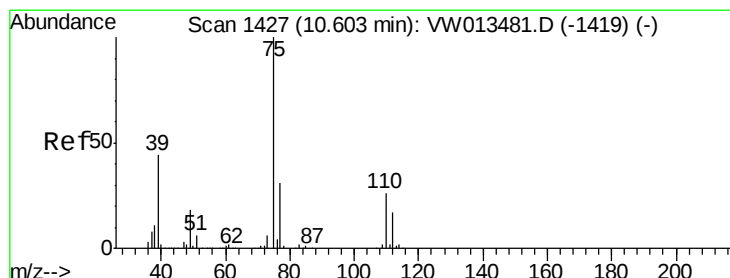
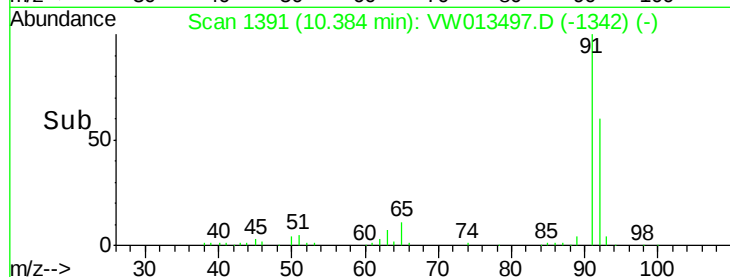
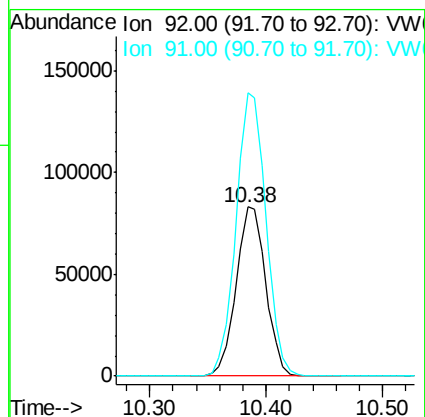
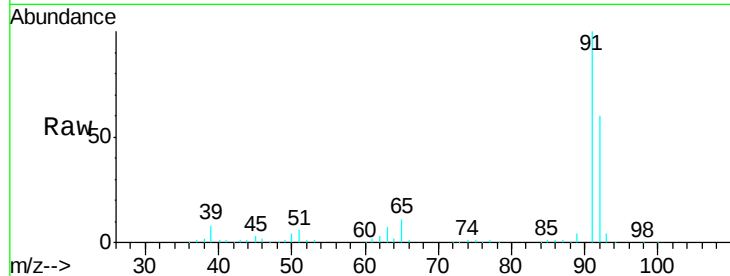
VW1009SBS01

Tgt Ion: 92 Resp: 147624

Ion Ratio Lower Upper

92 100

91 169.2 134.8 202.2



#53

t-1,3-Dichloropropene

Concen: 20.543 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW013497.D

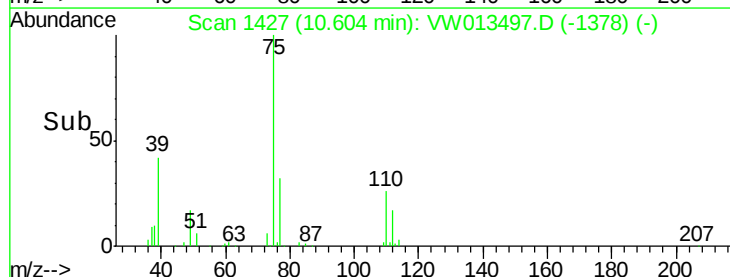
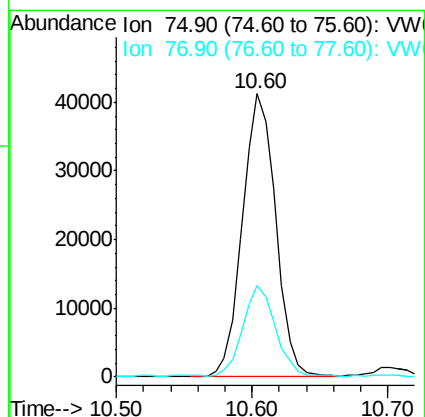
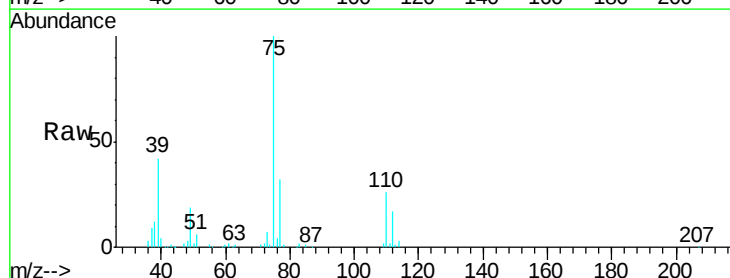
Acq: 09 Oct 2019 12:17

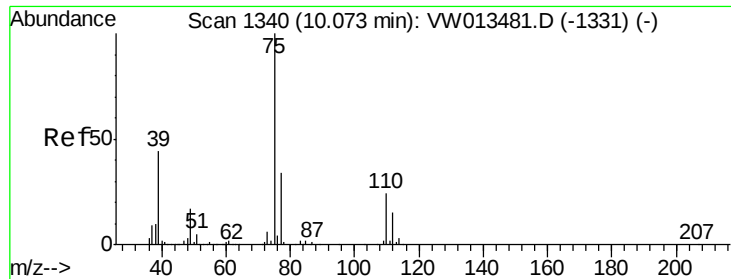
Tgt Ion: 75 Resp: 70594

Ion Ratio Lower Upper

75 100

77 31.8 25.2 37.8

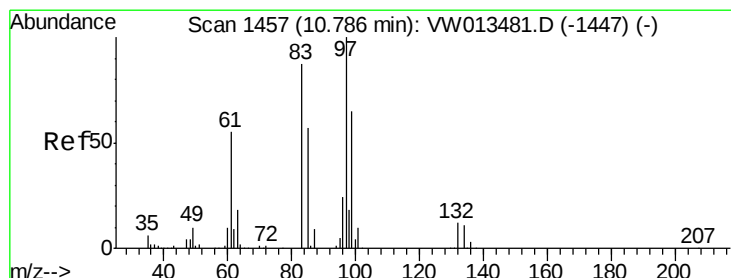
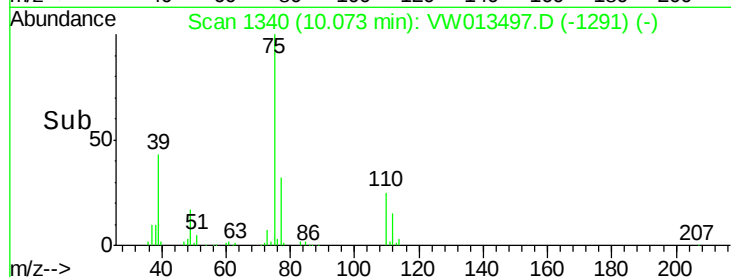
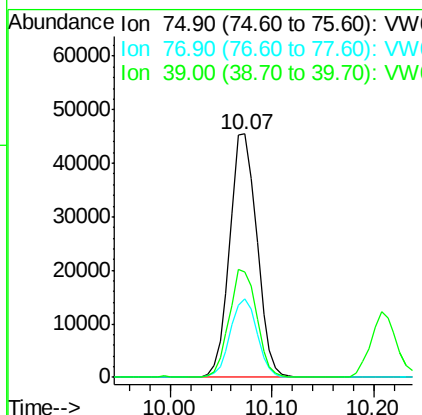
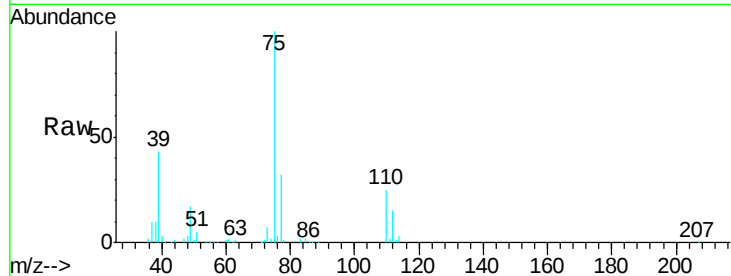




#54
 cis-1,3-Dichloropropene
 Concen: 20.141 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VW013497.D
 Acq: 09 Oct 2019 12:17

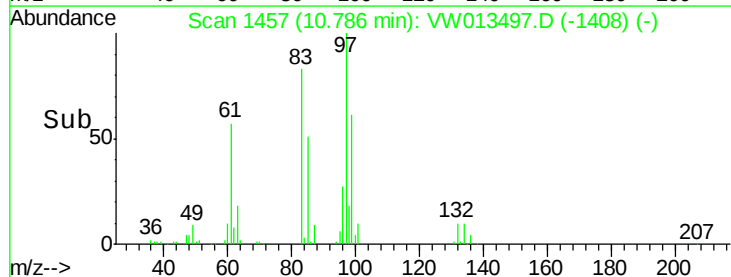
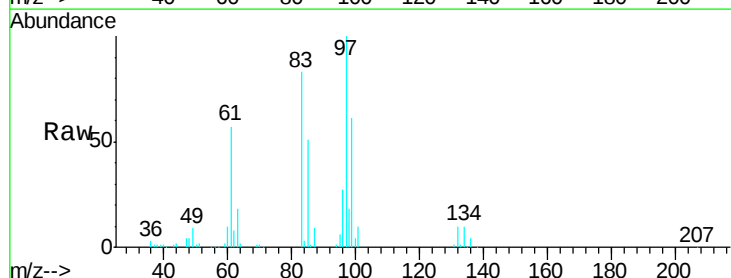
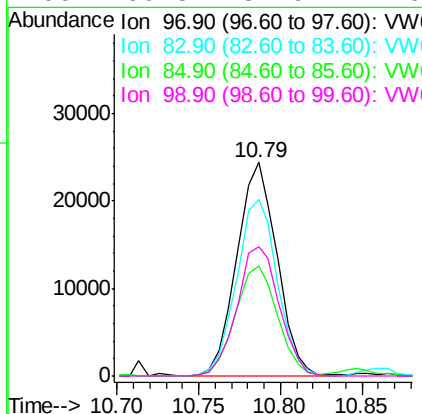
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1009SBS01

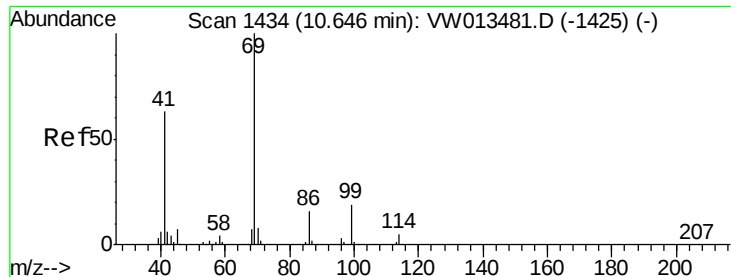
Tgt Ion: 75 Resp: 83850
 Ion Ratio Lower Upper
 75 100
 77 32.3 27.0 40.4
 39 43.1 35.0 52.4



#55
 1,1,2-Trichloroethane
 Concen: 21.012 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW013497.D
 Acq: 09 Oct 2019 12:17

Tgt Ion: 97 Resp: 41958
 Ion Ratio Lower Upper
 97 100
 83 82.8 69.8 104.8
 85 51.5 45.4 68.0
 99 60.8 51.9 77.9





#56

Ethyl methacrylate

Concen: 21.393 ug/l

RT: 10.65 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW013497.D

Acq: 09 Oct 2019 12:17

Instrument :

MSVOA_W

ClientSampleId :

VW1009SBS01

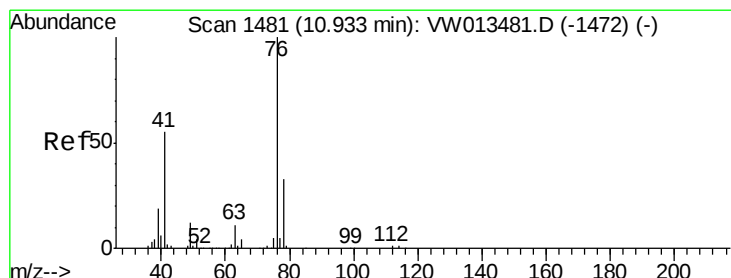
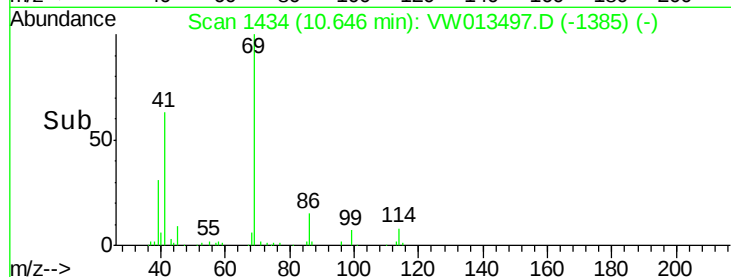
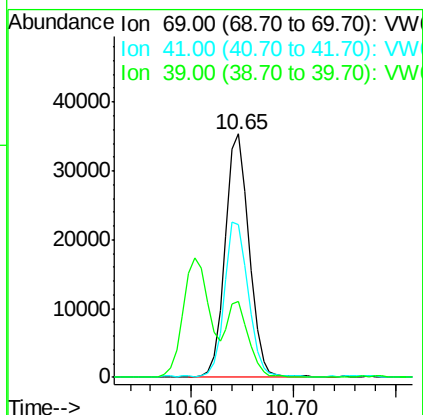
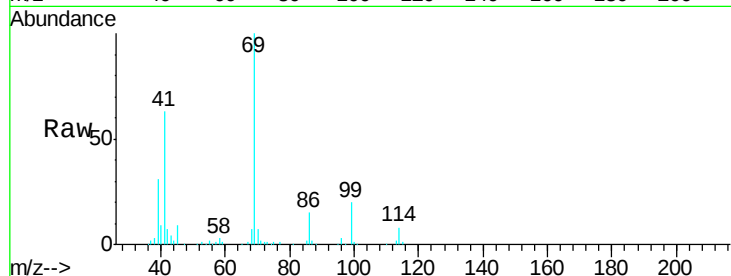
Tgt Ion: 69 Resp: 57536

Ion Ratio Lower Upper

69 100

41 63.7 51.8 77.6

39 28.7 21.7 32.5



#57

1,3-Dichloropropane

Concen: 21.123 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. 0.00 min

Lab File: VW013497.D

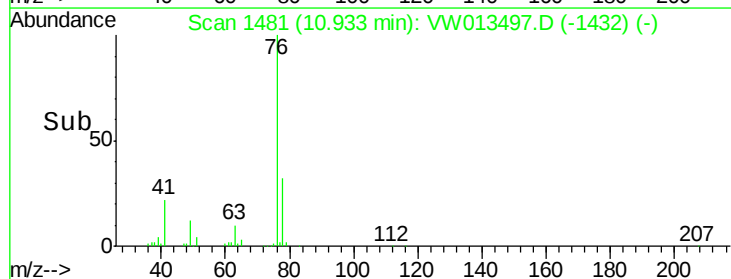
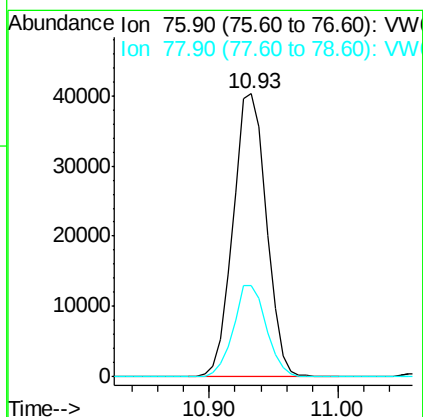
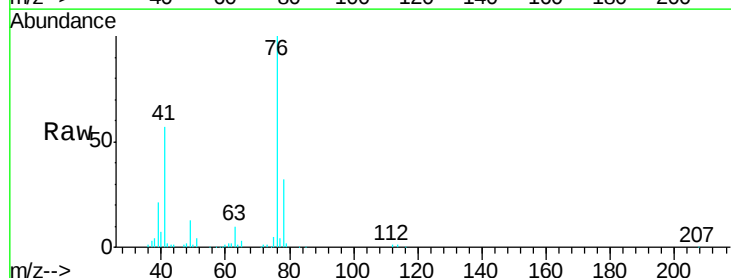
Acq: 09 Oct 2019 12:17

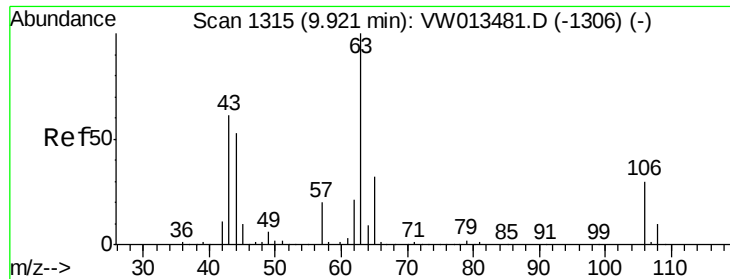
Tgt Ion: 76 Resp: 72428

Ion Ratio Lower Upper

76 100

78 32.2 25.9 38.9

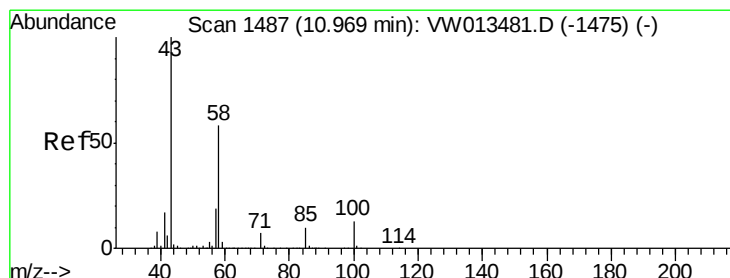
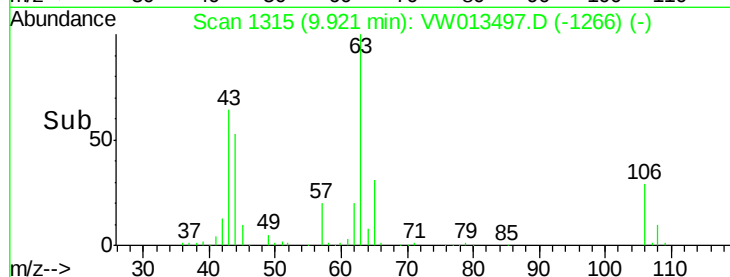
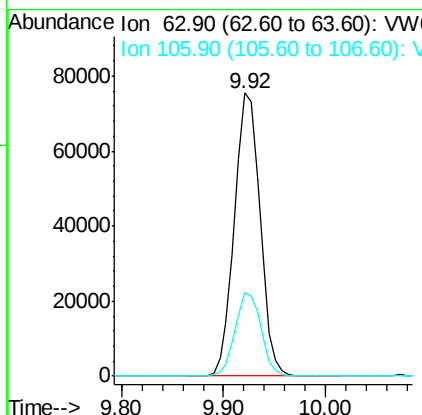
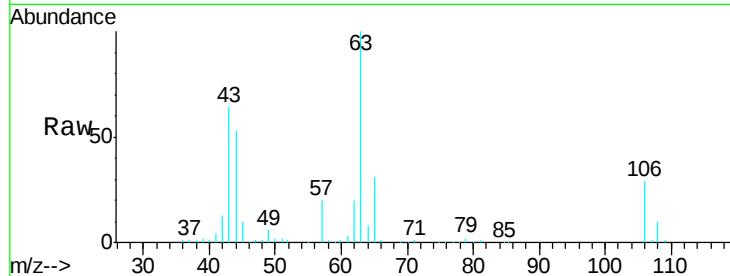




#58
 2-Chloroethyl Vinyl ether
 Concen: 103.713 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW013497.D
 Acq: 09 Oct 2019 12:17

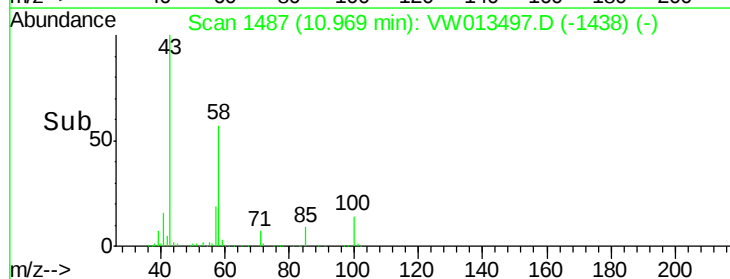
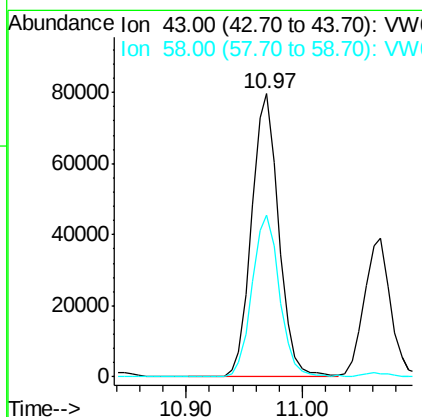
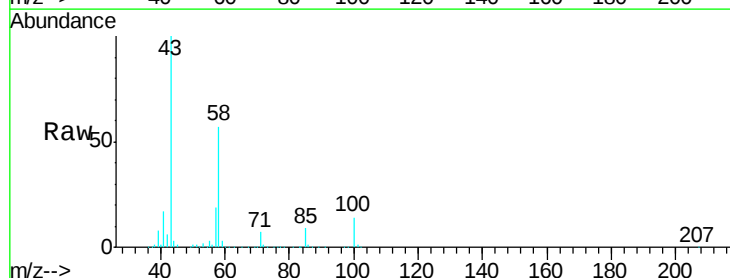
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1009SBS01

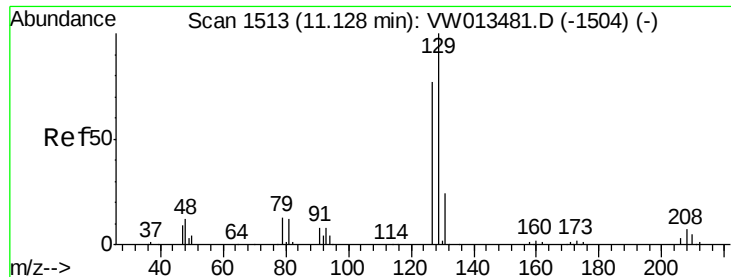
Tgt Ion: 63 Resp: 131596
 Ion Ratio Lower Upper
 63 100
 106 29.4 24.5 36.7



#59
 2-Hexanone
 Concen: 110.452 ug/l
 RT: 10.97 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VW013497.D
 Acq: 09 Oct 2019 12:17

Tgt Ion: 43 Resp: 130095
 Ion Ratio Lower Upper
 43 100
 58 57.5 28.4 85.2





#60

Dibromochloromethane

Concen: 20.661 ug/l

RT: 11.13 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VW013497.D

Acq: 09 Oct 2019 12:17

Instrument :

MSVOA_W

ClientSampleId :

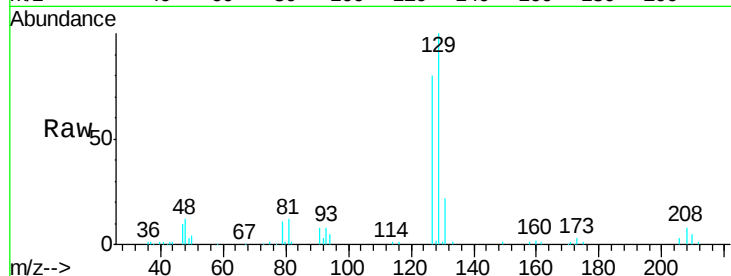
VW1009SBS01

Tgt Ion:129 Resp: 47446

Ion Ratio Lower Upper

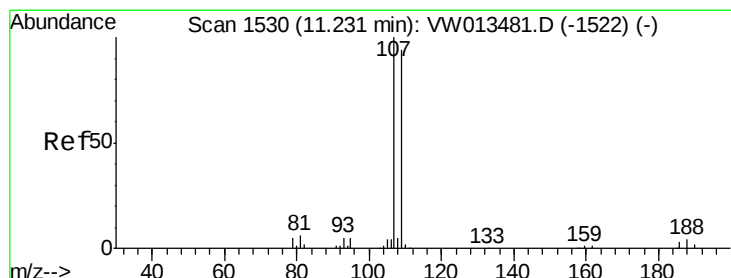
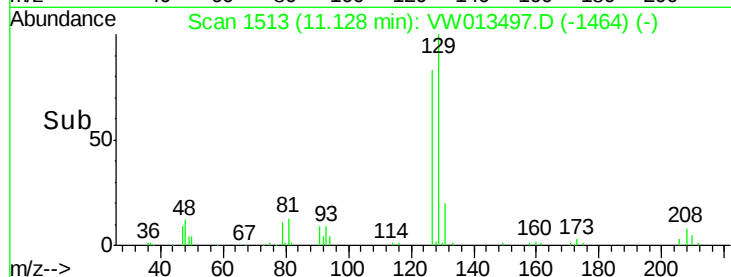
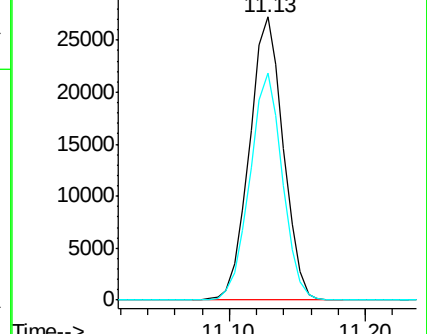
129 100

127 77.4 37.4 112.1



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#61

1,2-Dibromoethane

Concen: 21.325 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. 0.01 min

Lab File: VW013497.D

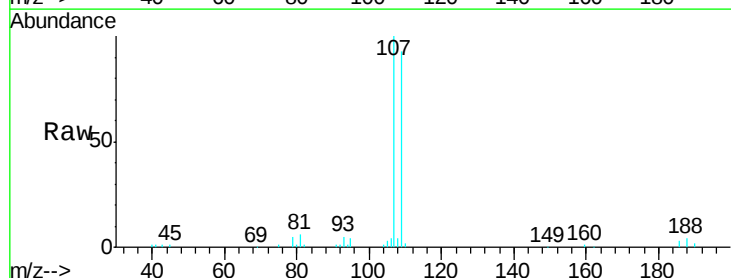
Acq: 09 Oct 2019 12:17

Tgt Ion:107 Resp: 40503

Ion Ratio Lower Upper

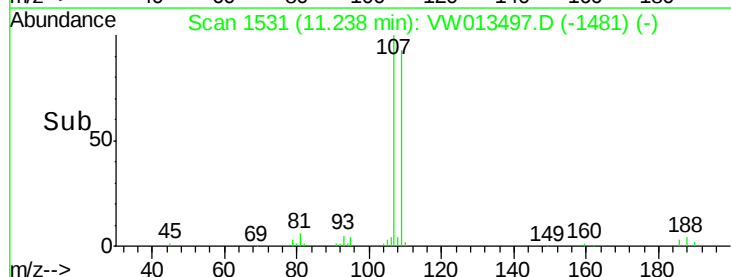
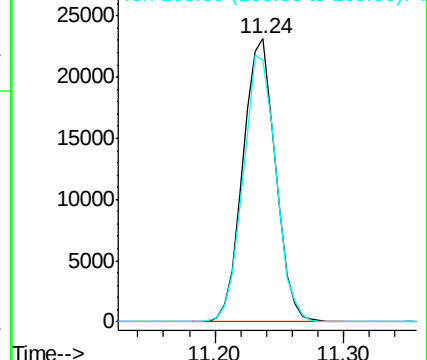
107 100

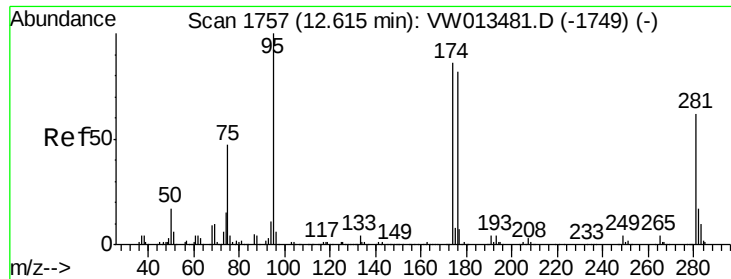
109 95.0 76.6 115.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

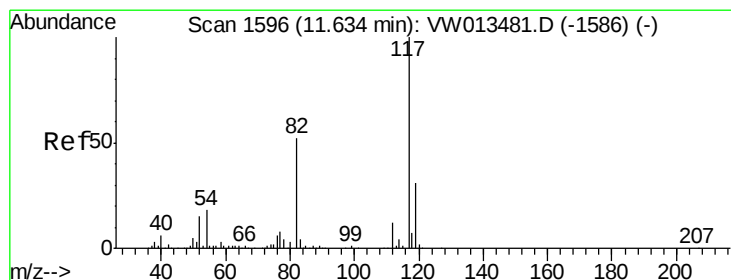
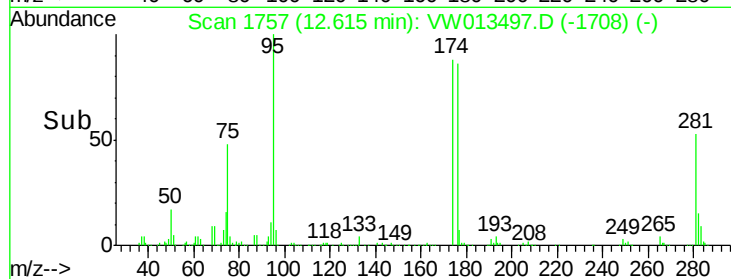
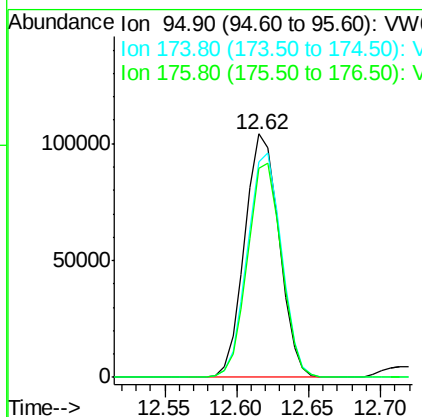
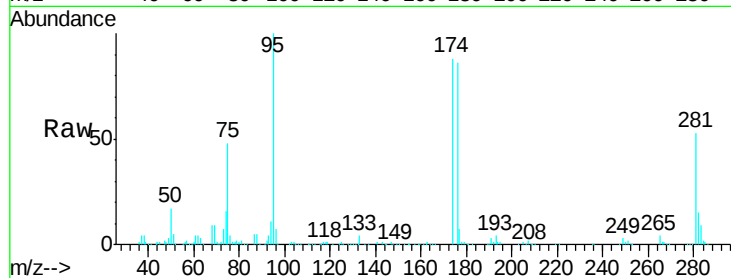




#62
4-Bromofluorobenzene
Concen: 49.733 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.00 min
Lab File: VW013497.D
Acq: 09 Oct 2019 12:17

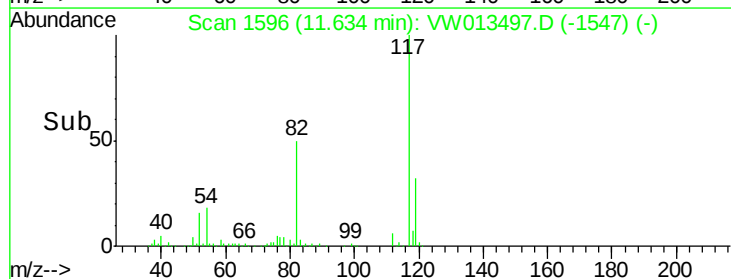
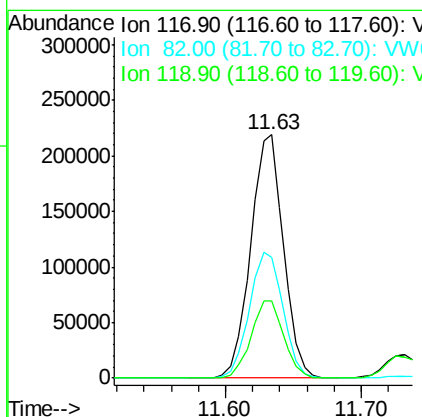
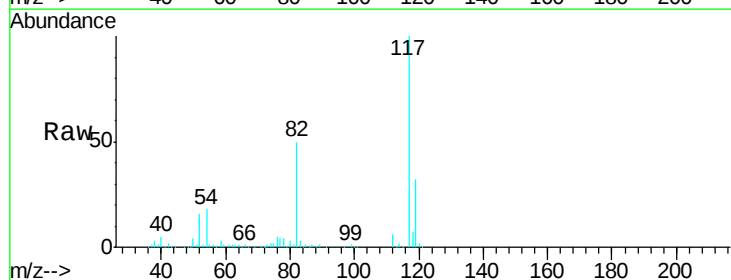
Instrument :
MSVOA_W
ClientSampled :
VW1009SBS01

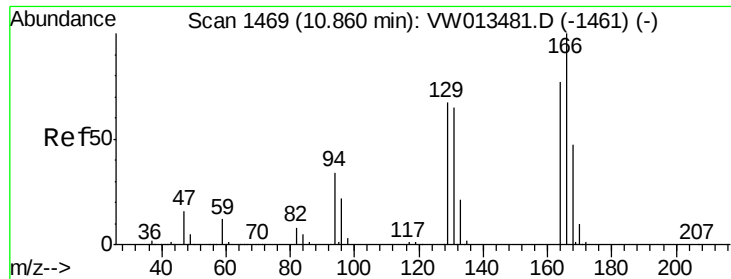
Tgt Ion: 95 Resp: 172776
Ion Ratio Lower Upper
95 100
174 90.8 0.0 177.4
176 86.6 0.0 173.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW013497.D
Acq: 09 Oct 2019 12:17

Tgt Ion: 117 Resp: 369671
Ion Ratio Lower Upper
117 100
82 49.8 41.4 62.2
119 31.9 25.1 37.7

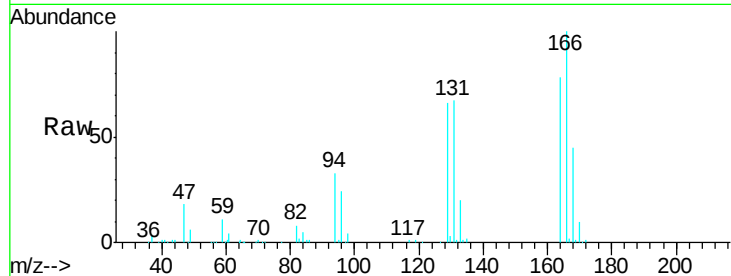




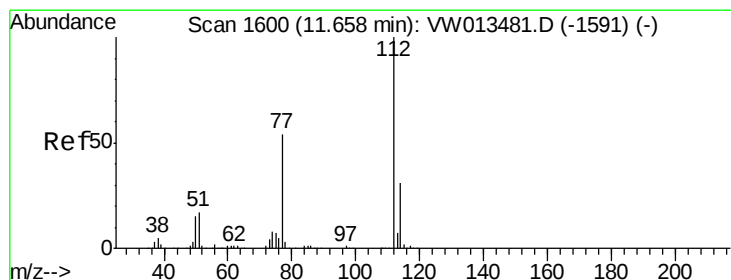
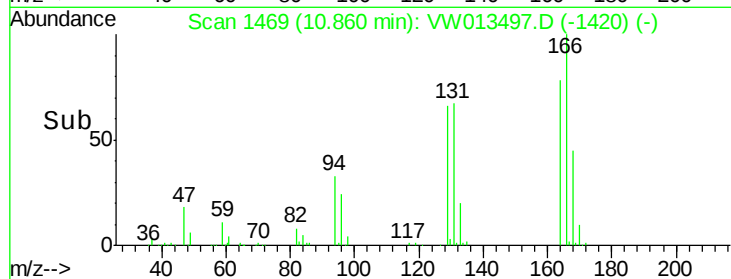
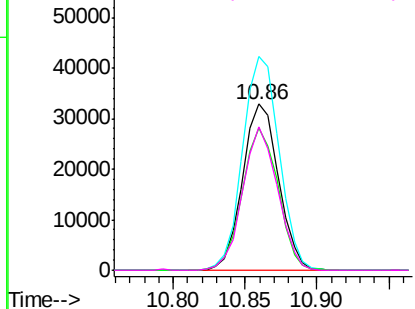
#64
Tetrachloroethene
Concen: 20.886 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW013497.D
Acq: 09 Oct 2019 12:17

Instrument :
MSVOA_W
ClientSampleId :
VW1009SBS01

Tgt Ion:164 Resp: 56826
Ion Ratio Lower Upper
164 100
166 128.5 104.6 156.8
129 85.4 70.2 105.2
131 85.9 67.6 101.4

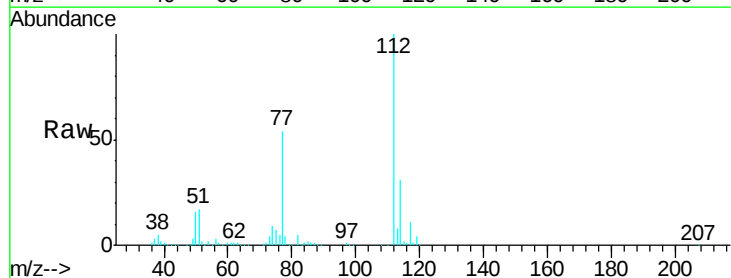


Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

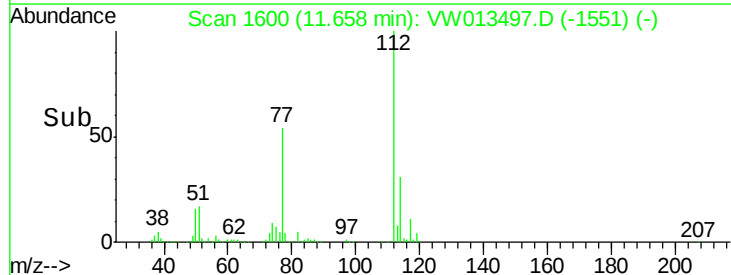
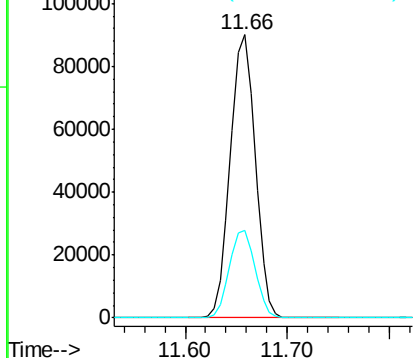


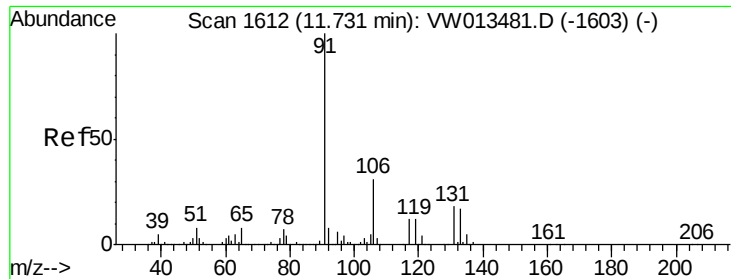
#65
Chlorobenzene
Concen: 20.826 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW013497.D
Acq: 09 Oct 2019 12:17

Tgt Ion:112 Resp: 152981
Ion Ratio Lower Upper
112 100
114 31.0 24.6 37.0



Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): V

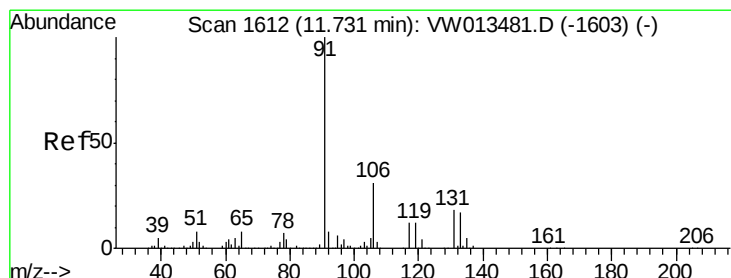
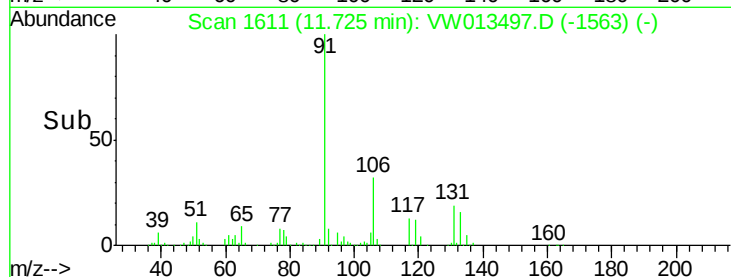
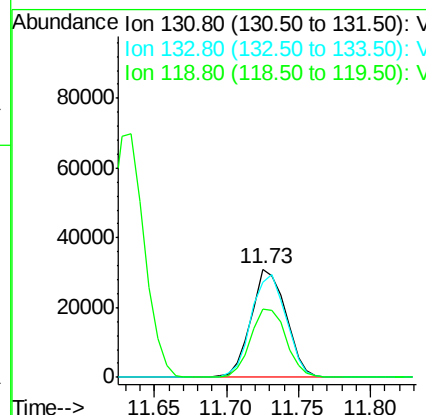
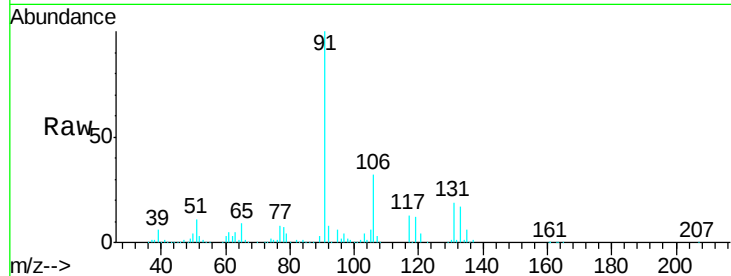




#66
 1,1,1,2-Tetrachloroethane
 Concen: 20.444 ug/l
 RT: 11.73 min Scan# 1611
 Delta R.T. -0.01 min
 Lab File: VW013497.D
 Acq: 09 Oct 2019 12:17

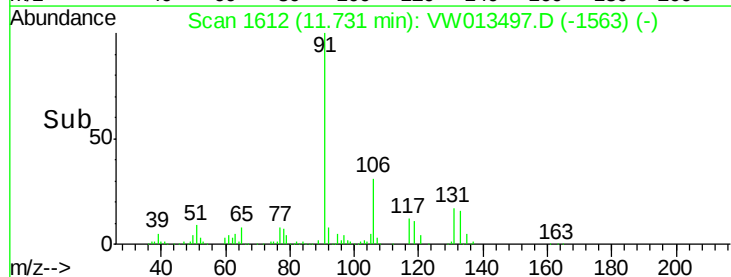
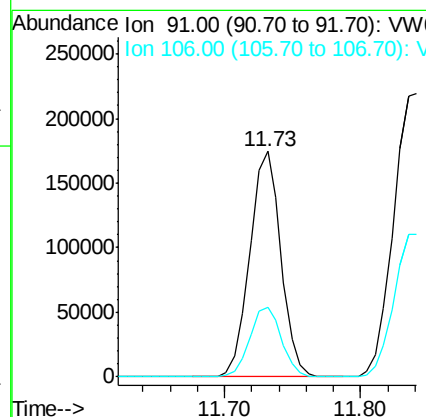
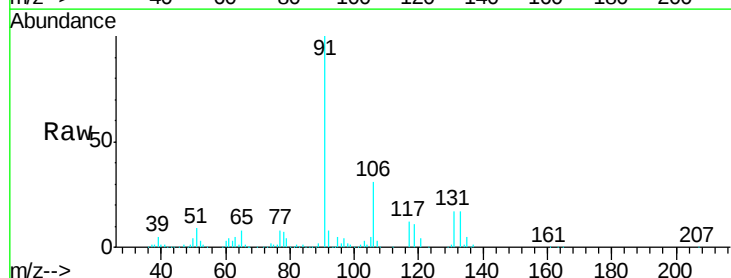
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1009SBS01

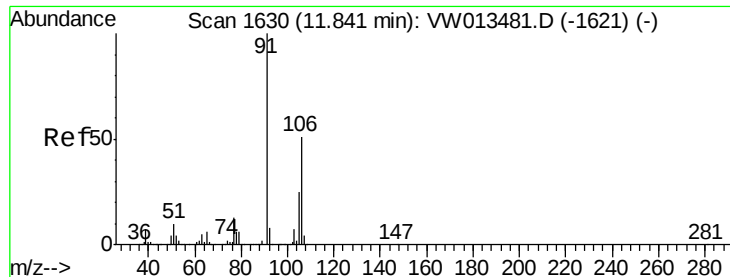
Tgt Ion: 131 Resp: 52166
 Ion Ratio Lower Upper
 131 100
 133 94.8 47.6 142.9
 119 64.7 32.6 98.0



#67
 Ethyl Benzene
 Concen: 20.775 ug/l
 RT: 11.73 min Scan# 1612
 Delta R.T. 0.00 min
 Lab File: VW013497.D
 Acq: 09 Oct 2019 12:17

Tgt Ion: 91 Resp: 278922
 Ion Ratio Lower Upper
 91 100
 106 30.8 24.8 37.2

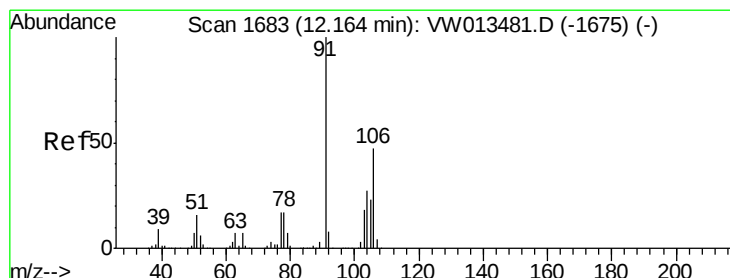
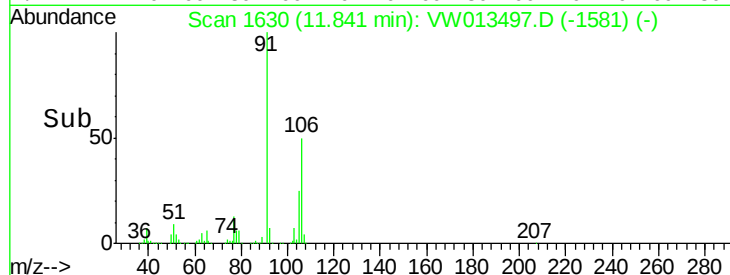
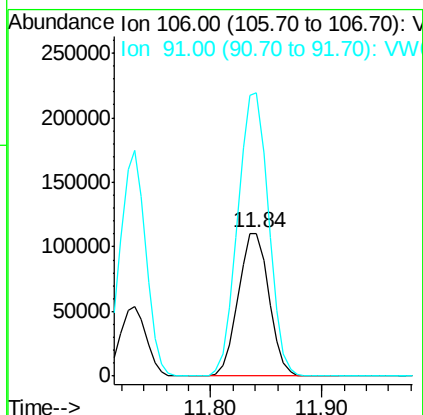
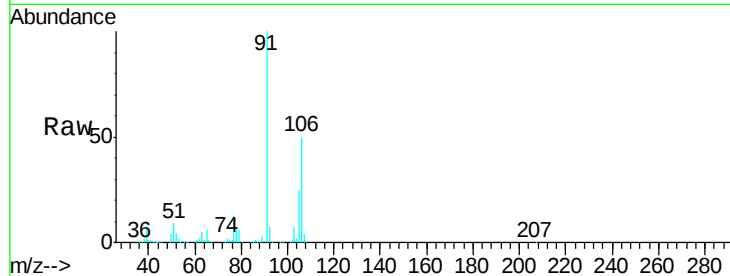




#68
m/p-Xylenes
Concen: 41.595 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW013497.D
Acq: 09 Oct 2019 12:17

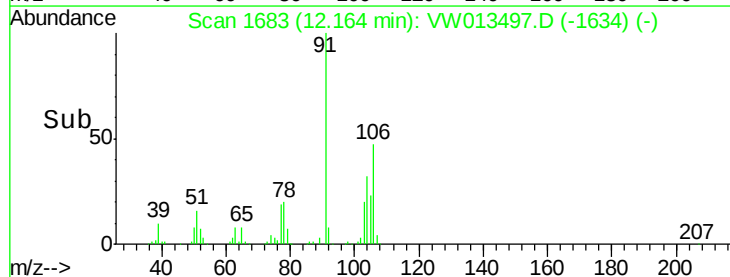
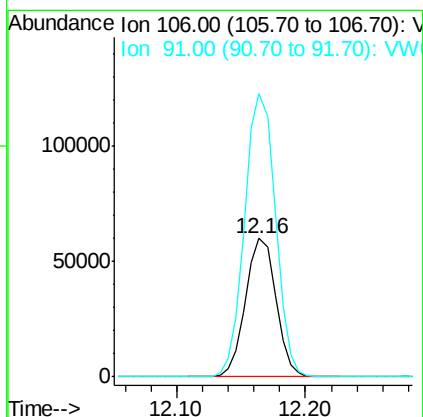
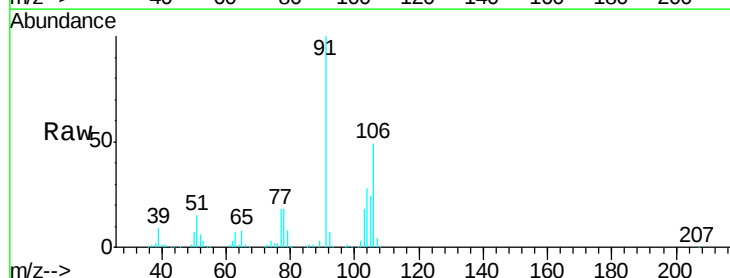
Instrument :
MSVOA_W
ClientSampled :
VW1009SBS01

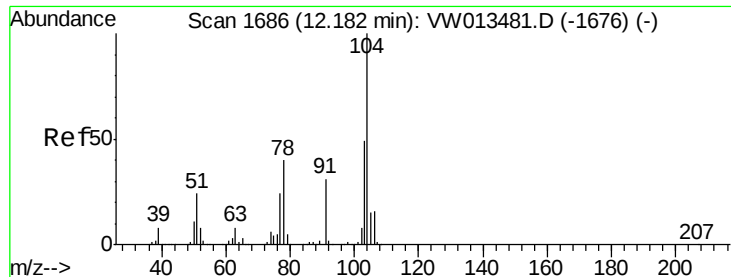
Tgt Ion:106 Resp: 212478
Ion Ratio Lower Upper
106 100
91 198.2 156.2 234.4



#69
o-Xylene
Concen: 20.784 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW013497.D
Acq: 09 Oct 2019 12:17

Tgt Ion:106 Resp: 98093
Ion Ratio Lower Upper
106 100
91 207.1 105.0 315.0

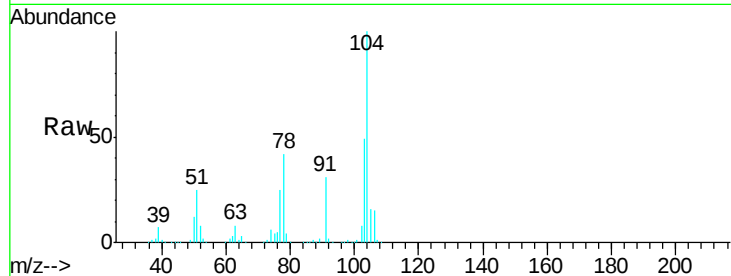




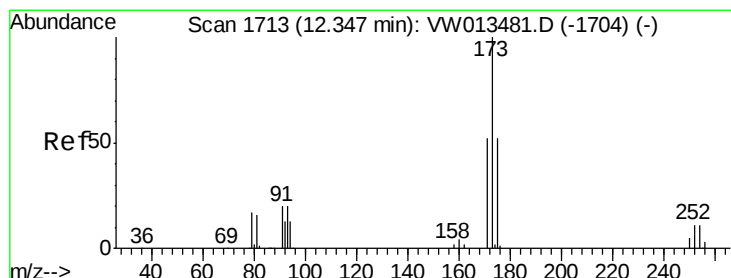
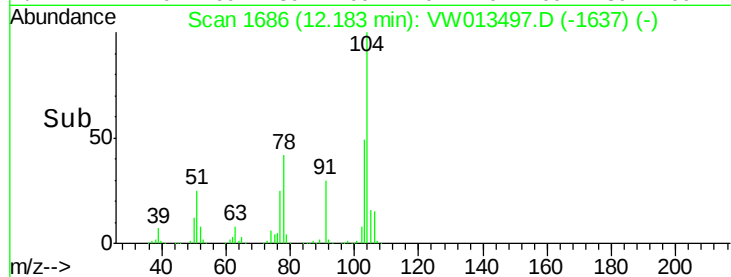
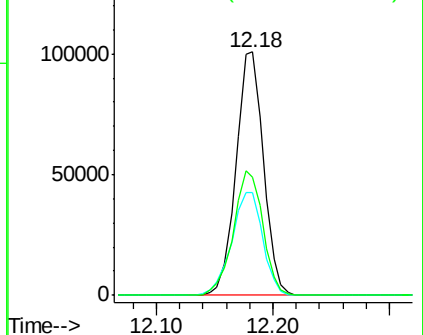
#70
Styrene
Concen: 20.507 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW013497.D
Acq: 09 Oct 2019 12:17

Instrument :
MSVOA_W
ClientSampleId :
VW1009SBS01

Tgt Ion:104 Resp: 166180
Ion Ratio Lower Upper
104 100
78 47.7 37.1 55.7
103 54.9 43.2 64.8

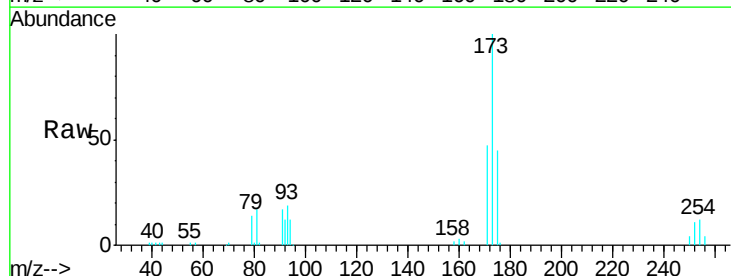


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V

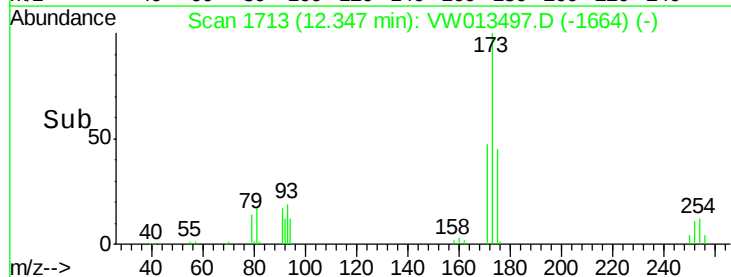
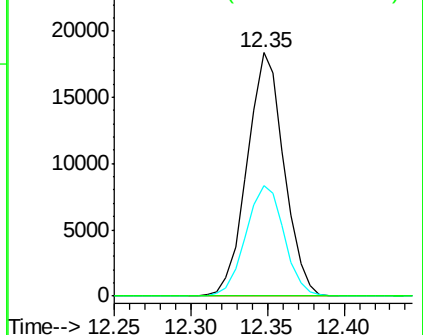


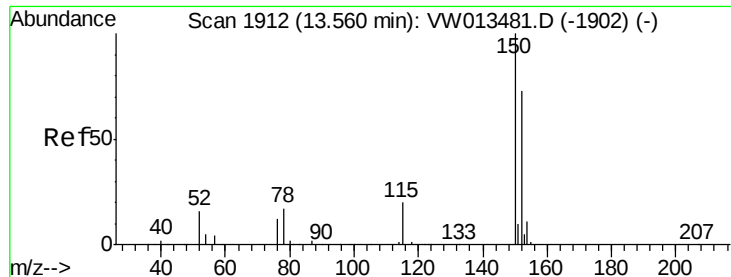
#71
Bromoform
Concen: 21.940 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. 0.00 min
Lab File: VW013497.D
Acq: 09 Oct 2019 12:17

Tgt Ion:173 Resp: 30715
Ion Ratio Lower Upper
173 100
175 47.1 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: VW013497.D

Acq: 09 Oct 2019 12:17

Instrument :

MSVOA_W

ClientSampleId :

VW1009SBS01

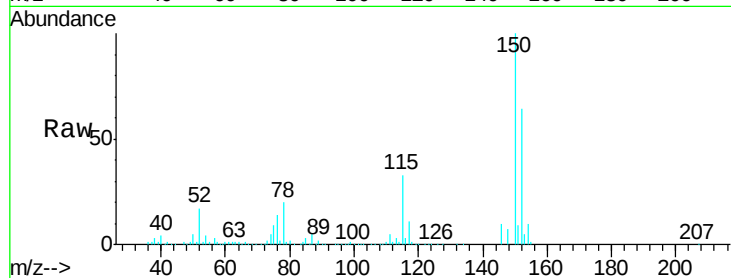
Tgt Ion:152 Resp: 188025

Ion Ratio Lower Upper

152 100

115 54.3 27.0 81.0

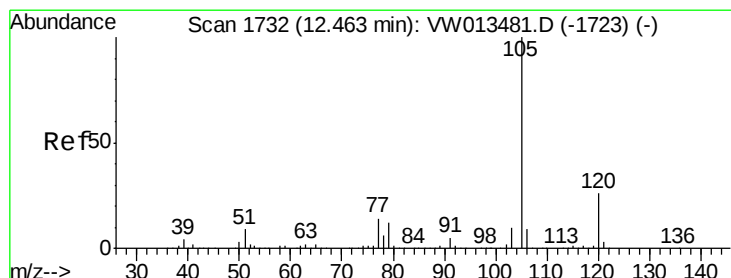
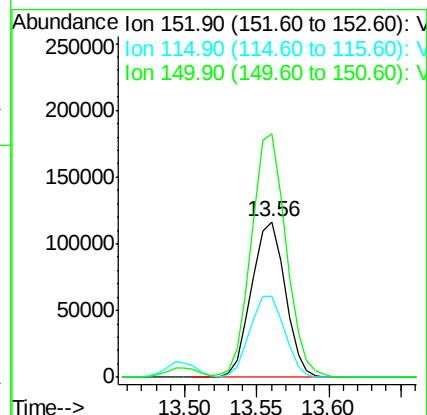
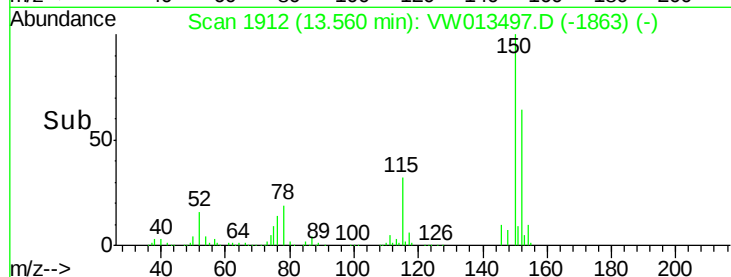
150 162.2 0.0 337.4



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: 20.674 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW013497.D

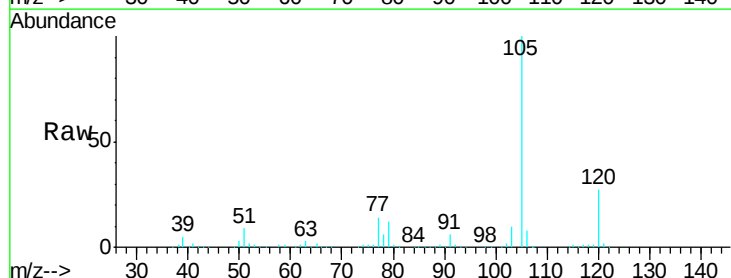
Acq: 09 Oct 2019 12:17

Tgt Ion:105 Resp: 278449

Ion Ratio Lower Upper

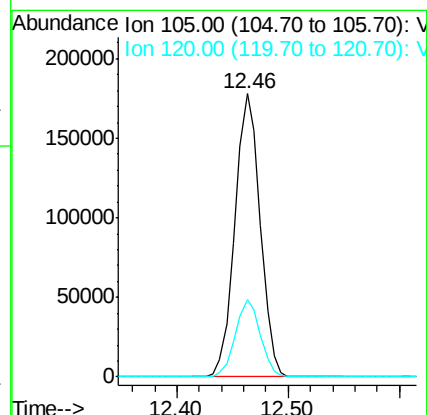
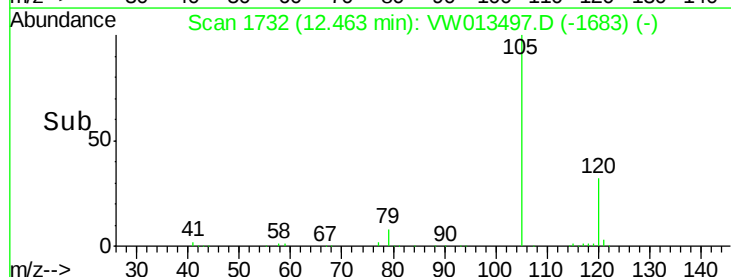
105 100

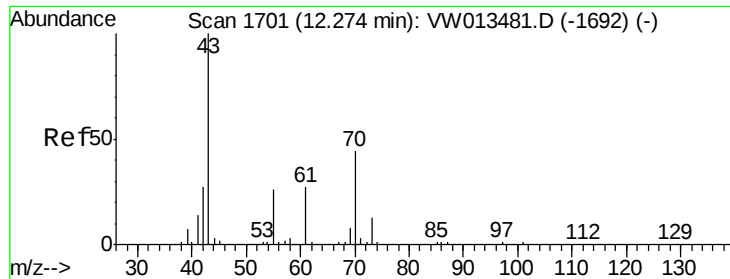
120 26.8 13.5 40.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amyI acetate

Concen: 20.871 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW013497.D

Acq: 09 Oct 2019 12:17

Instrument :

MSVOA_W

ClientSampleId :

VW1009SBS01

Tgt Ion: 43 Resp: 61478

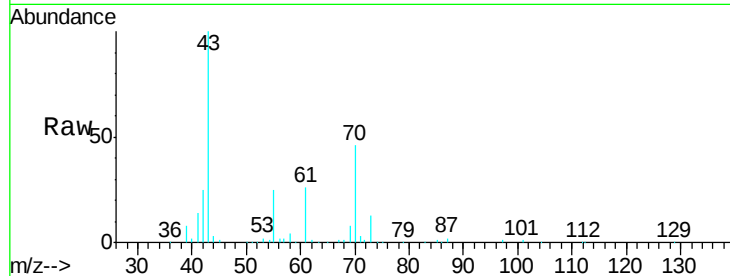
Ion Ratio Lower Upper

43 100

70 44.9 35.3 52.9

55 25.7 20.0 30.0

61 25.1 21.2 31.8

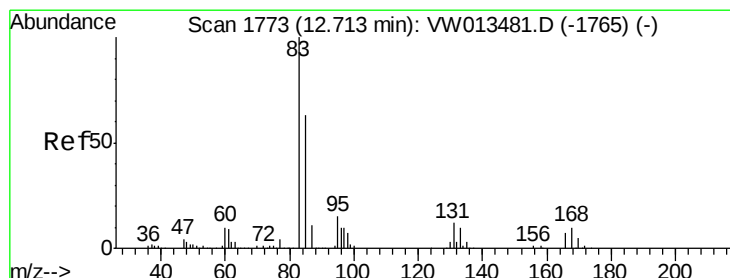
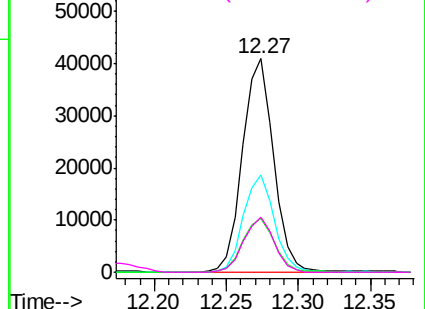
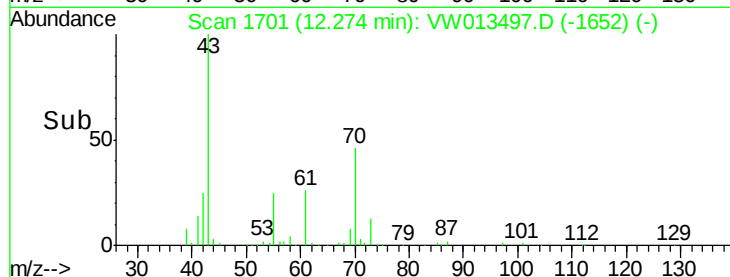


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW



#75

1,1,2,2-Tetrachloroethane

Concen: 21.693 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW013497.D

Acq: 09 Oct 2019 12:17

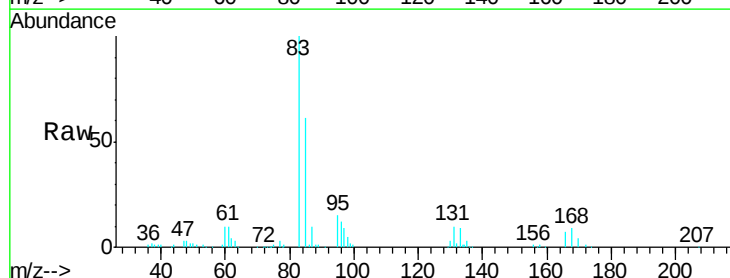
Tgt Ion: 83 Resp: 49799

Ion Ratio Lower Upper

83 100

131 11.2 5.9 17.7

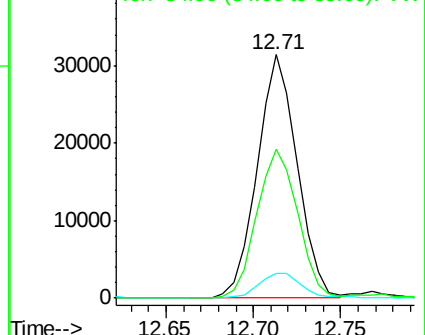
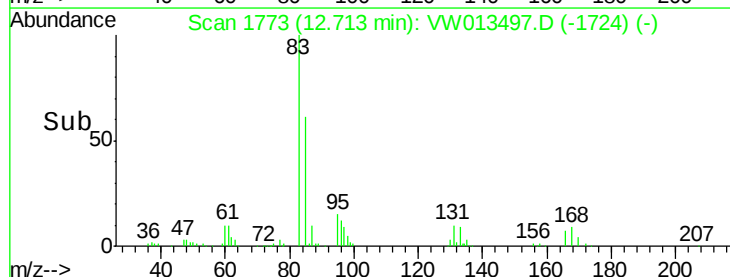
85 62.9 32.5 97.4

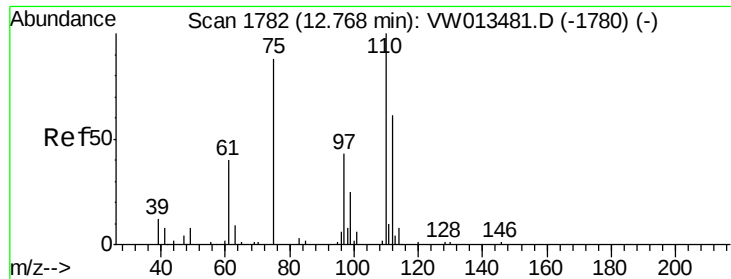


Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW

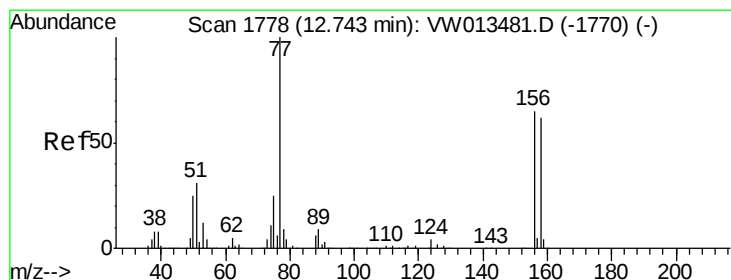
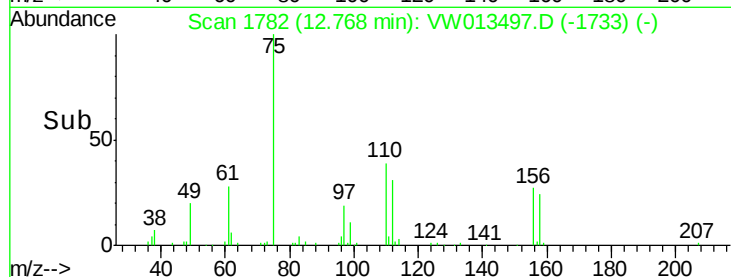
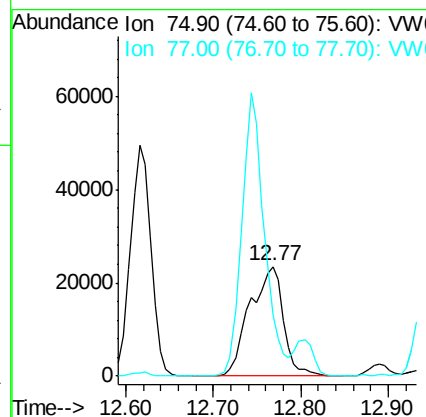
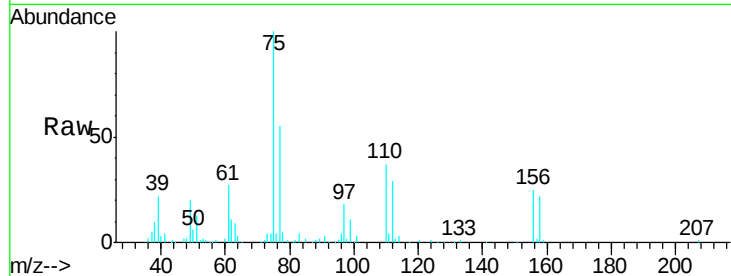




#76
 1,2,3-Trichloropropane
 Concen: 40.232 ug/l
 RT: 12.77 min Scan# 1782
 Delta R.T. 0.00 min
 Lab File: VW013497.D
 Acq: 09 Oct 2019 12:17

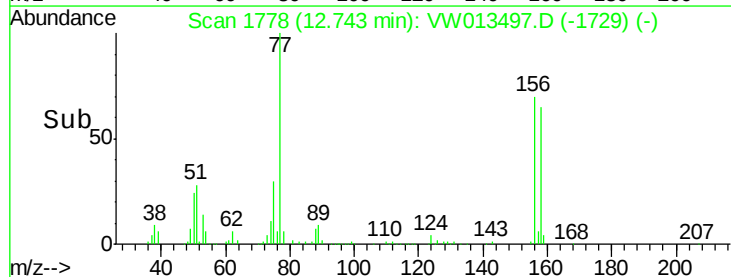
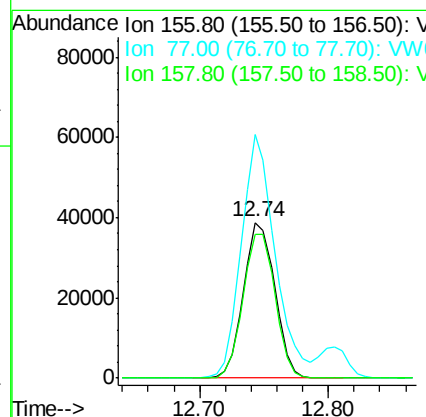
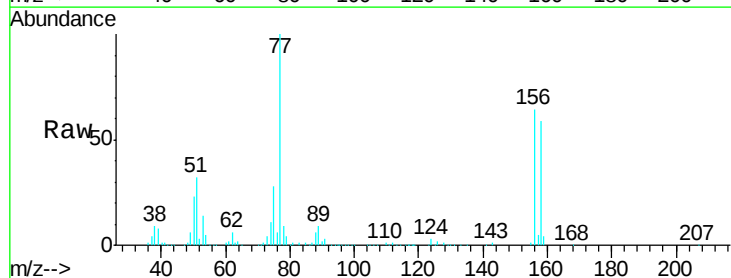
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1009SBS01

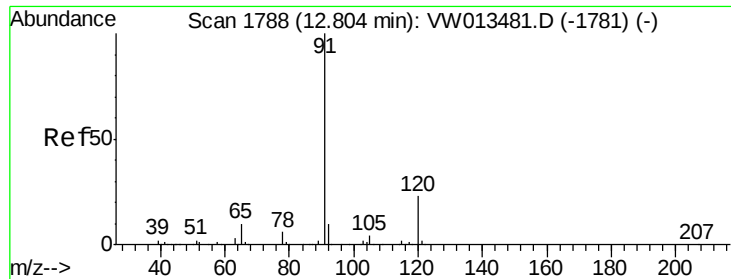
Tgt Ion: 75 Resp: 63002
 Ion Ratio Lower Upper
 75 100
 77 0.0 0.0 0.0



#77
 Bromobenzene
 Concen: 20.556 ug/l
 RT: 12.74 min Scan# 1778
 Delta R.T. 0.00 min
 Lab File: VW013497.D
 Acq: 09 Oct 2019 12:17

Tgt Ion: 156 Resp: 65622
 Ion Ratio Lower Upper
 156 100
 77 168.1 83.7 251.0
 158 94.0 49.0 147.0

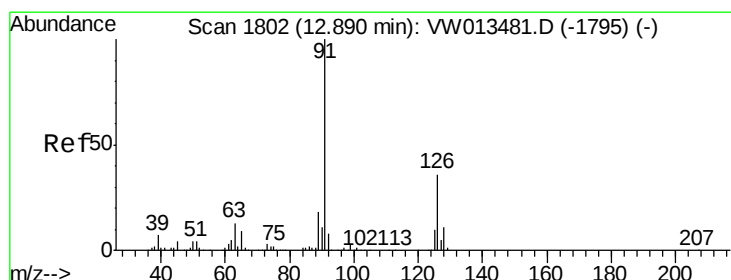
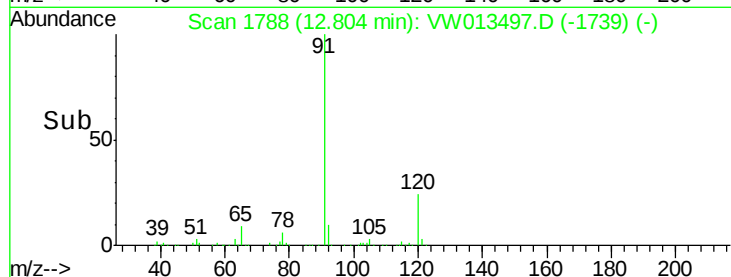
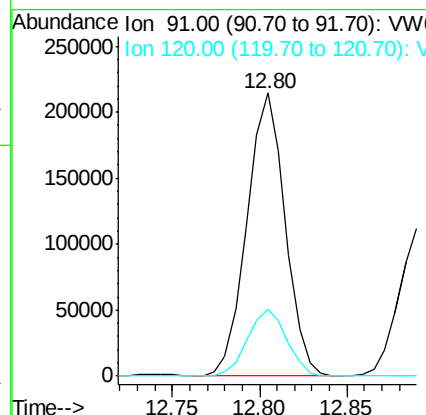
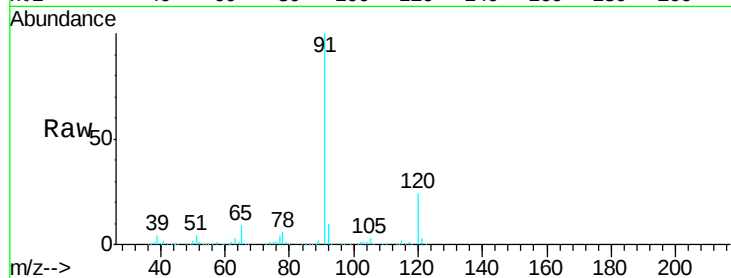




#78
n-propylbenzene
Concen: 20.847 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. 0.00 min
Lab File: VW013497.D
Acq: 09 Oct 2019 12:17

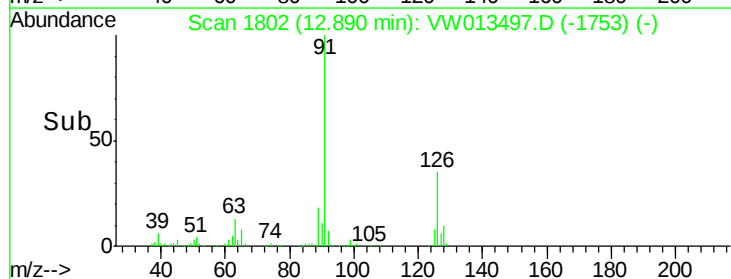
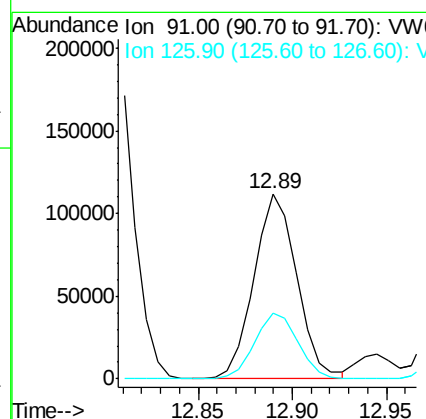
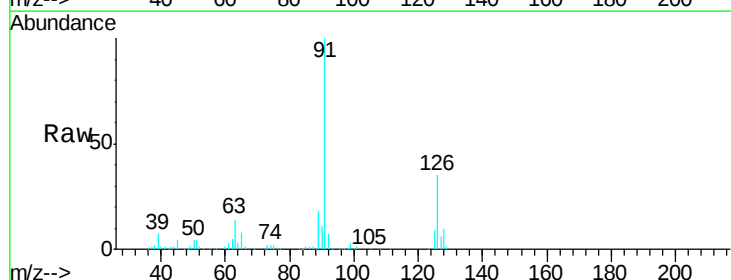
Instrument :
MSVOA_W
ClientSampleId :
VW1009SBS01

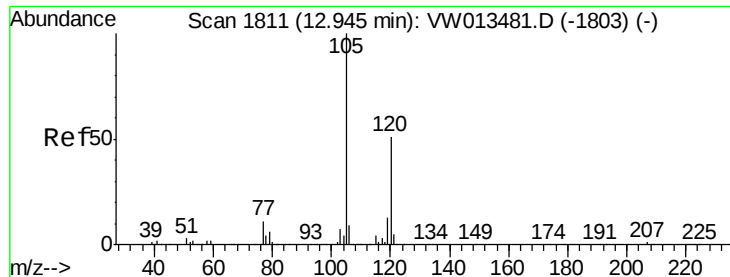
Tgt Ion: 91 Resp: 324682
Ion Ratio Lower Upper
91 100
120 24.2 11.7 35.1



#79
2-Chlorotoluene
Concen: 20.233 ug/l
RT: 12.89 min Scan# 1802
Delta R.T. 0.00 min
Lab File: VW013497.D
Acq: 09 Oct 2019 12:17

Tgt Ion: 91 Resp: 176545
Ion Ratio Lower Upper
91 100
126 36.0 17.8 53.4





#80

1,3,5-Trimethylbenzene

Concen: 20.612 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW013497.D

Acq: 09 Oct 2019 12:17

Instrument :

MSVOA_W

ClientSampleId :

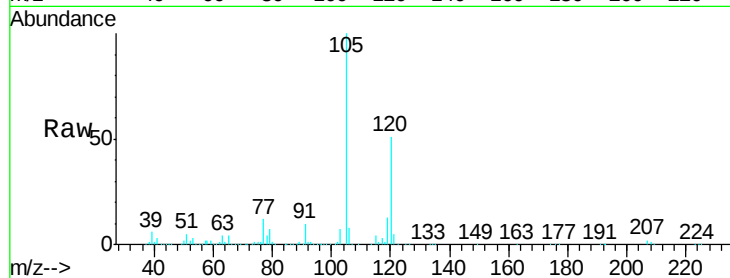
VW1009SBS01

Tgt Ion: 105 Resp: 230667

Ion Ratio Lower Upper

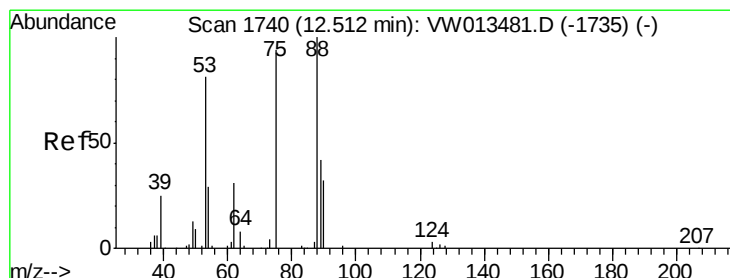
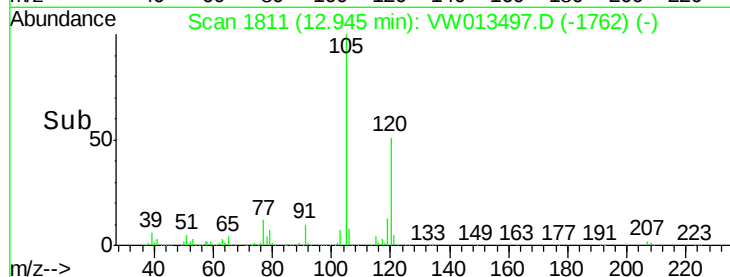
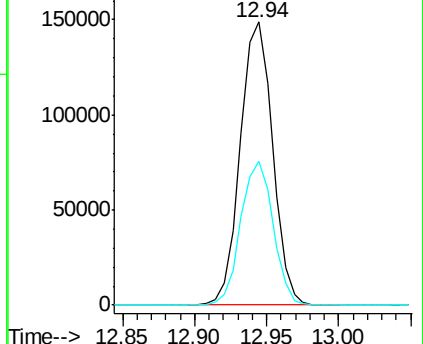
105 100

120 51.2 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: 21.541 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW013497.D

Acq: 09 Oct 2019 12:17

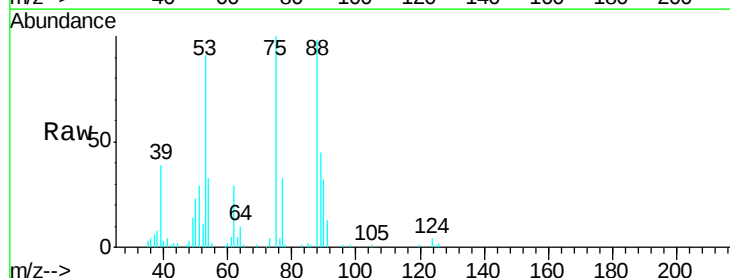
Tgt Ion: 75 Resp: 16502

Ion Ratio Lower Upper

75 100

53 93.2 71.0 106.6

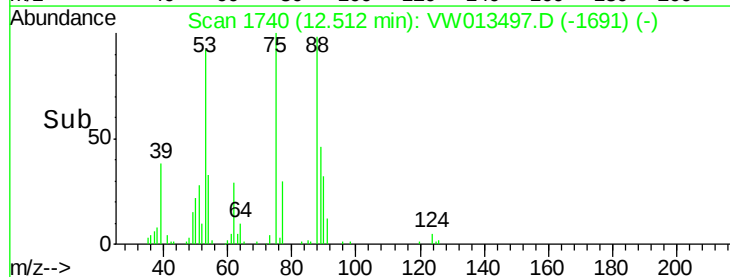
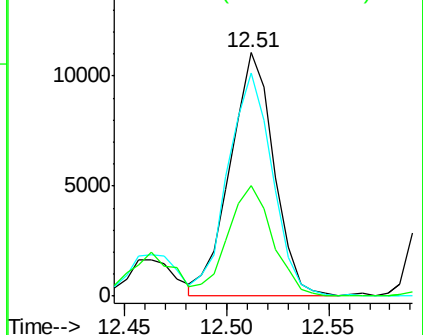
89 47.0 36.1 54.1

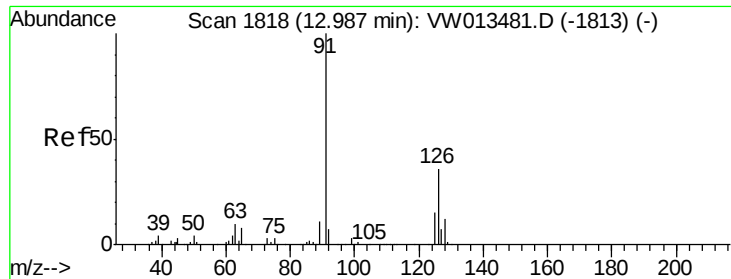


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW





#82

4-Chlorotoluene

Concen: 20.627 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. 0.00 min

Lab File: VW013497.D

Acq: 09 Oct 2019 12:17

Instrument :

MSVOA_W

ClientSampleId :

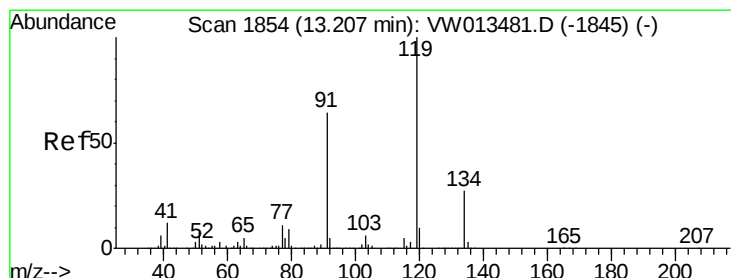
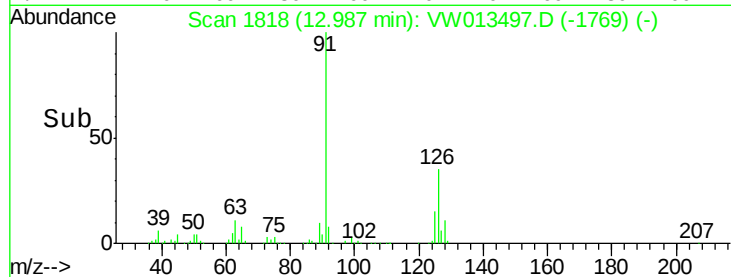
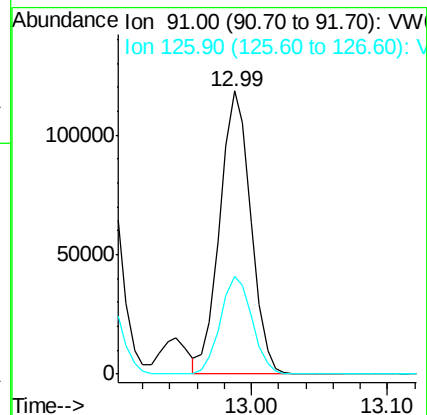
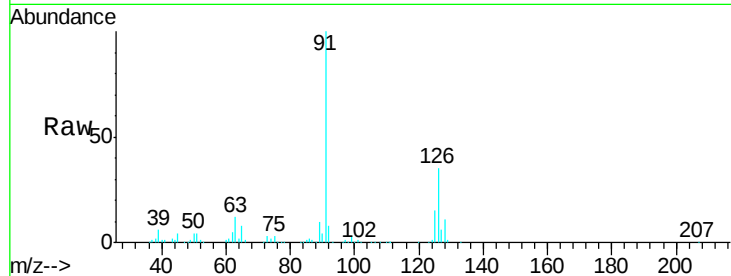
VW1009SBS01

Tgt Ion: 91 Resp: 186807

Ion Ratio Lower Upper

91 100

126 35.4 17.5 52.6



#83

tert-Butylbenzene

Concen: 21.111 ug/l

RT: 13.21 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VW013497.D

Acq: 09 Oct 2019 12:17

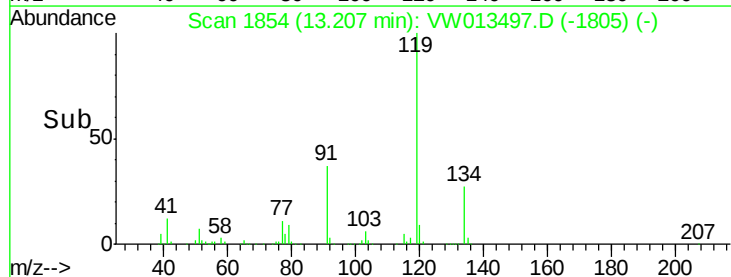
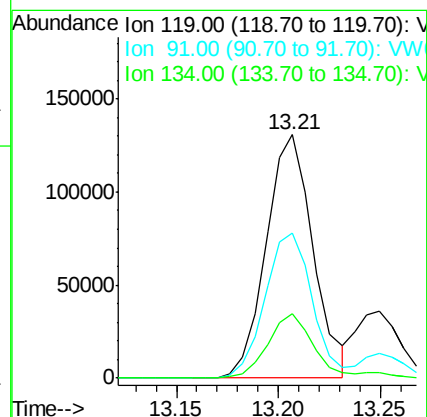
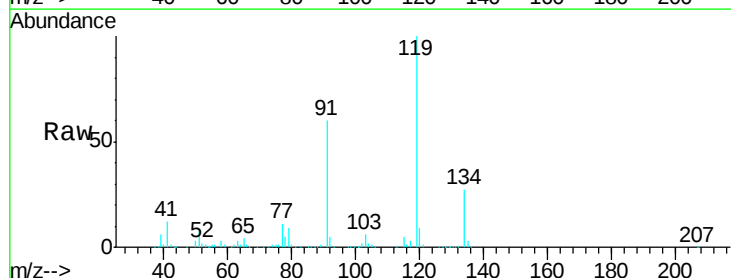
Tgt Ion: 119 Resp: 209811

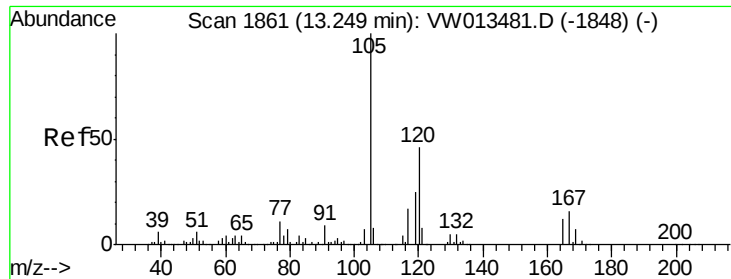
Ion Ratio Lower Upper

119 100

91 59.8 30.6 91.6

134 27.0 13.8 41.3

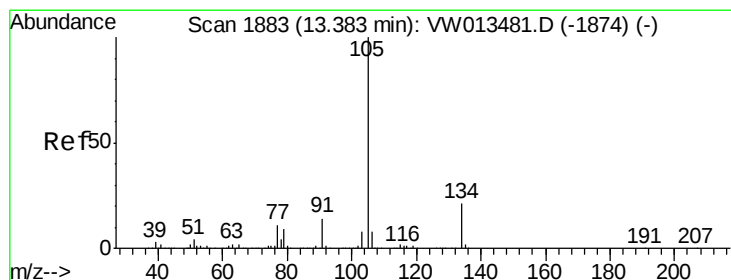
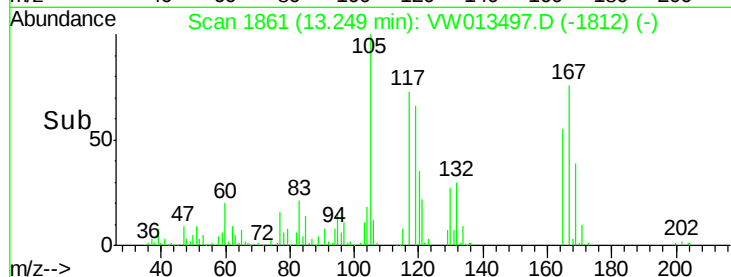
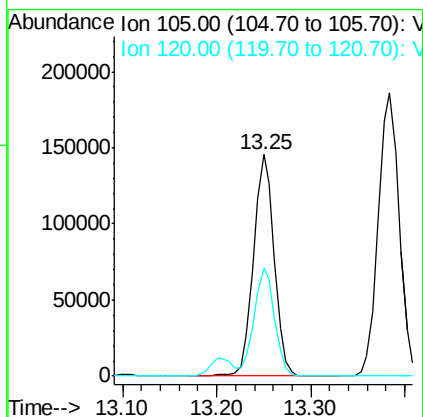
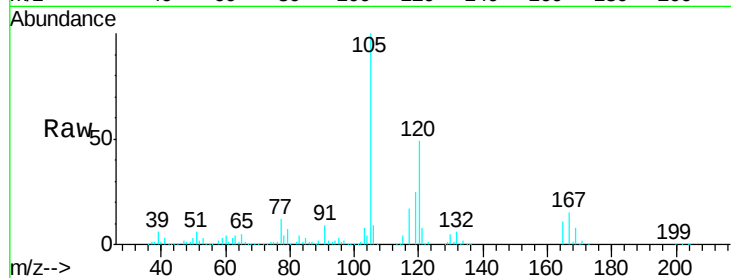




#84
1,2,4-Trimethylbenzene
Concen: 20.438 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VW013497.D
Acq: 09 Oct 2019 12:17

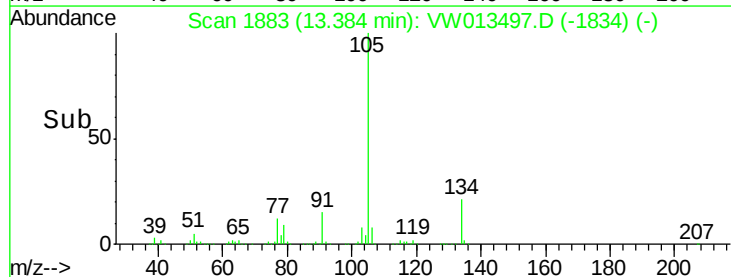
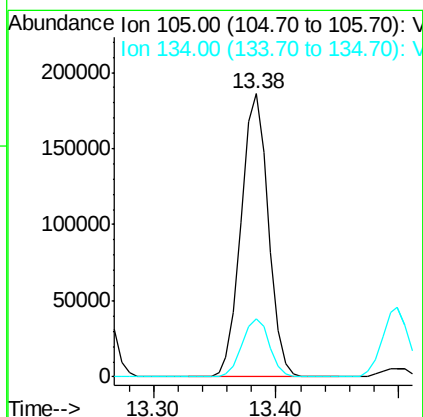
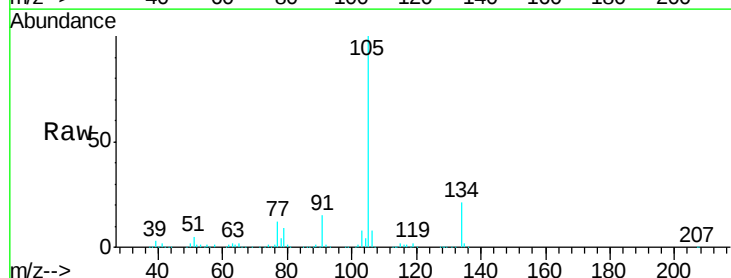
Instrument :
MSVOA_W
ClientSampleId :
VW1009SBS01

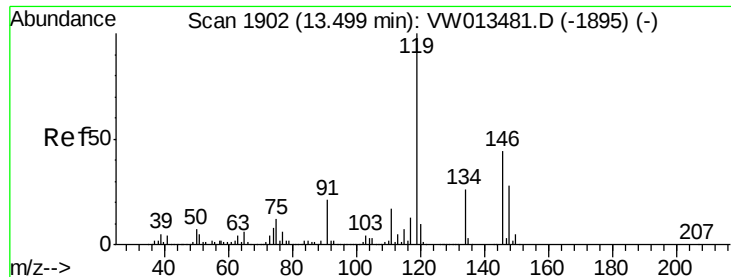
Tgt Ion:105 Resp: 226203
Ion Ratio Lower Upper
105 100
120 47.9 23.2 69.5



#85
sec-Butylbenzene
Concen: 20.922 ug/l
RT: 13.38 min Scan# 1883
Delta R.T. 0.00 min
Lab File: VW013497.D
Acq: 09 Oct 2019 12:17

Tgt Ion:105 Resp: 287297
Ion Ratio Lower Upper
105 100
134 20.8 10.4 31.4

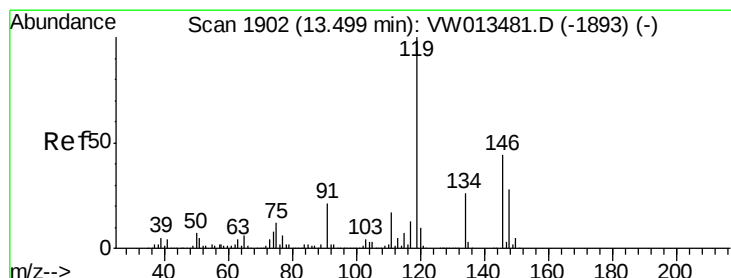
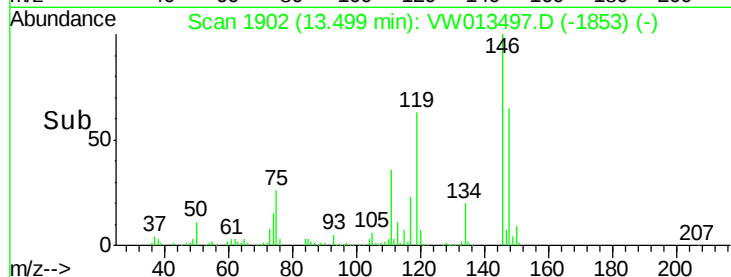
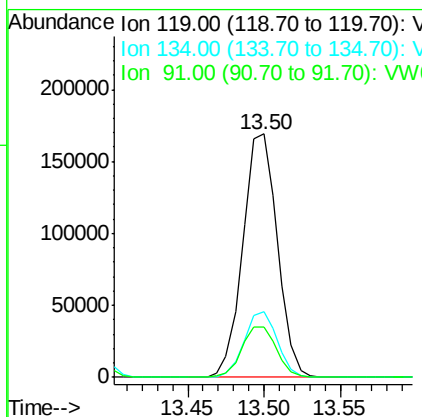
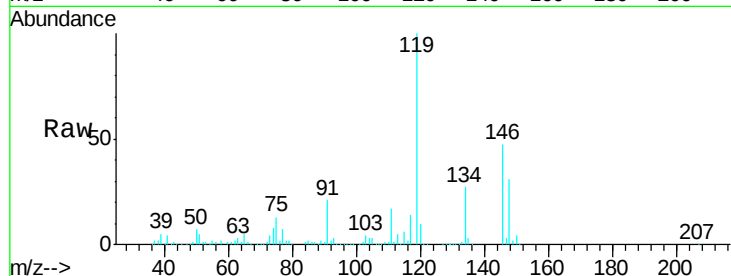




#86
 p-Isopropyltoluene
 Concen: 20.913 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW013497.D
 Acq: 09 Oct 2019 12:17

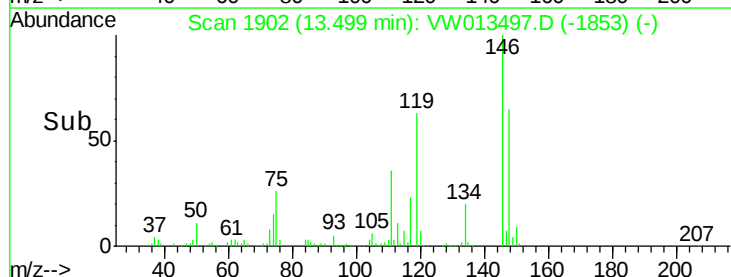
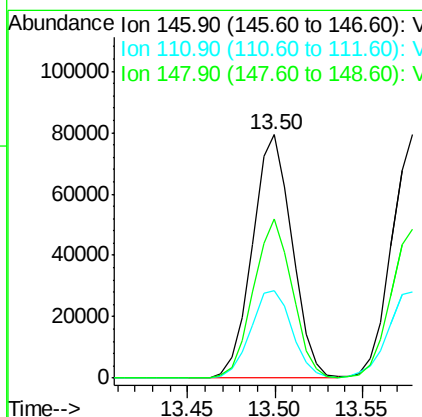
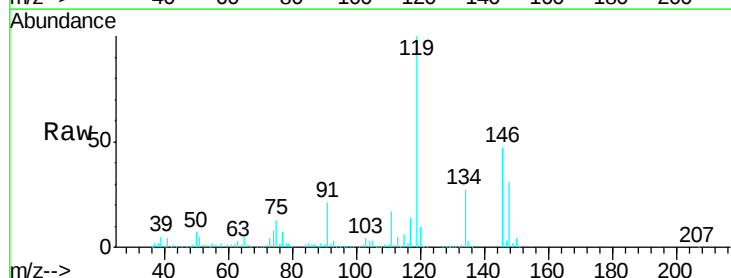
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1009SBS01

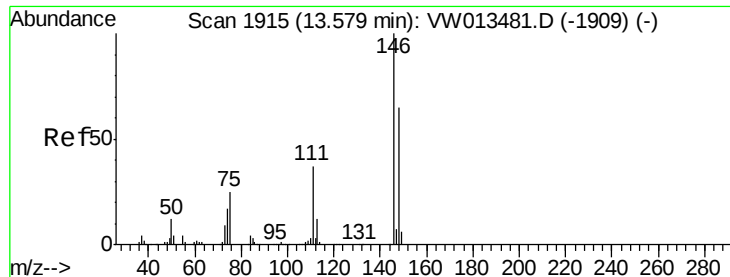
Tgt Ion:119 Resp: 263852
 Ion Ratio Lower Upper
 119 100
 134 26.2 13.1 39.1
 91 21.0 10.8 32.3



#87
 1,3-Dichlorobenzene
 Concen: 20.621 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW013497.D
 Acq: 09 Oct 2019 12:17

Tgt Ion:146 Resp: 124823
 Ion Ratio Lower Upper
 146 100
 111 37.7 18.7 56.1
 148 64.2 32.3 96.8





#88

1,4-Dichlorobenzene

Concen: 20.719 ug/l

RT: 13.58 min Scan# 1915

Delta R.T. 0.00 min

Lab File: VW013497.D

Acq: 09 Oct 2019 12:17

Instrument :

MSVOA_W

ClientSampleId :

VW1009SBS01

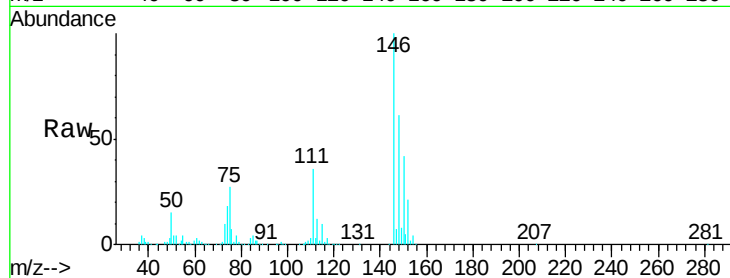
Tgt Ion:146 Resp: 122864

Ion Ratio Lower Upper

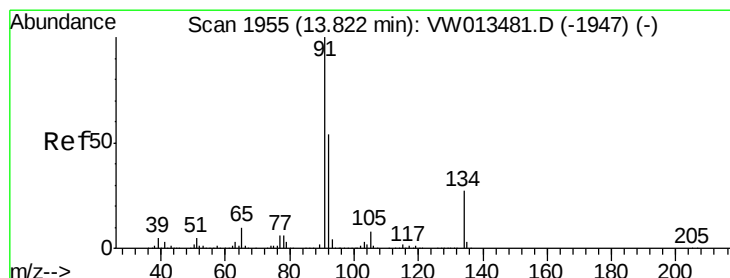
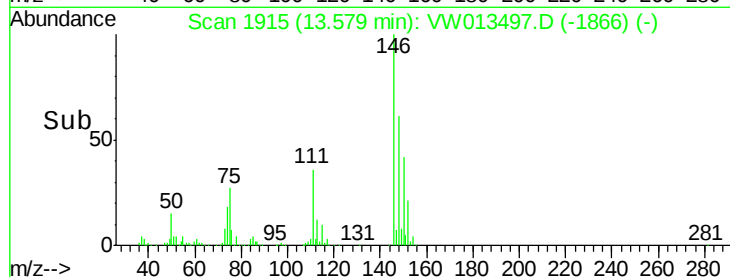
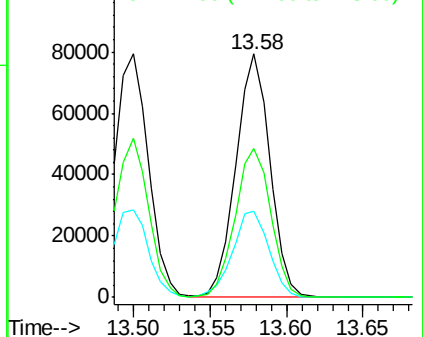
146 100

111 38.0 18.4 55.4

148 64.0 32.0 96.2



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



#89

n-Butylbenzene

Concen: 20.918 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW013497.D

Acq: 09 Oct 2019 12:17

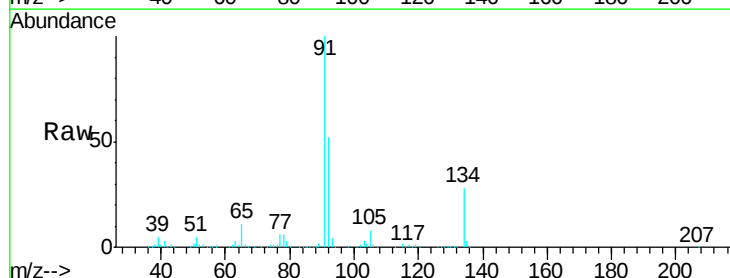
Tgt Ion: 91 Resp: 238404

Ion Ratio Lower Upper

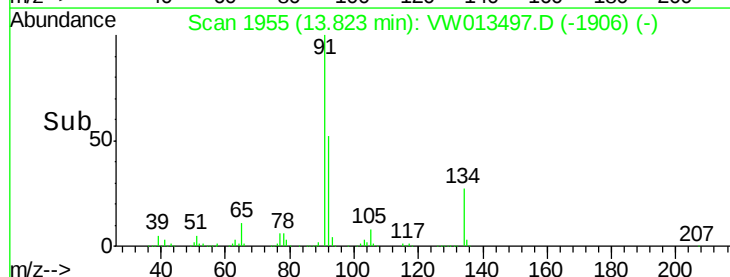
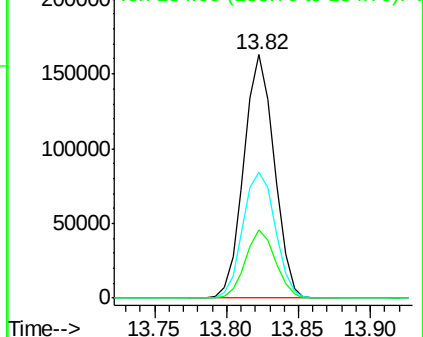
91 100

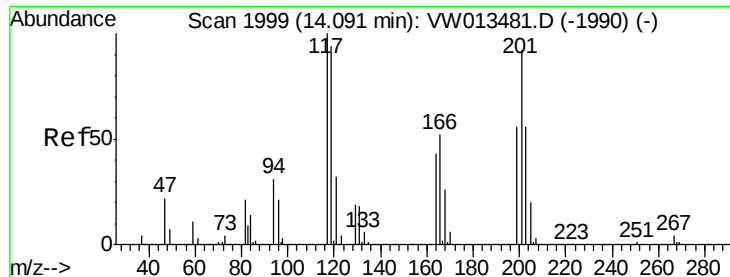
92 54.9 27.5 82.4

134 27.6 13.8 41.3



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





#90

Hexachloroethane

Concen: 20.305 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. 0.00 min

Lab File: VW013497.D

Acq: 09 Oct 2019 12:17

Instrument :

MSVOA_W

ClientSampleId :

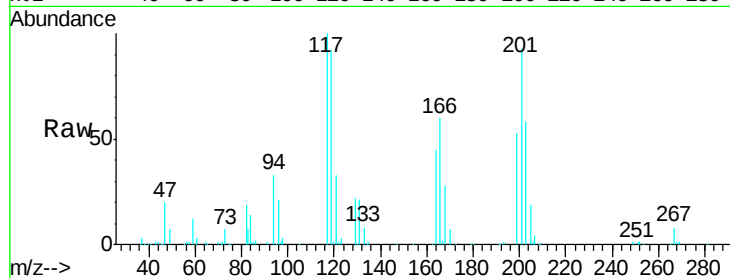
VW1009SBS01

Tgt Ion:117 Resp: 43834

Ion Ratio Lower Upper

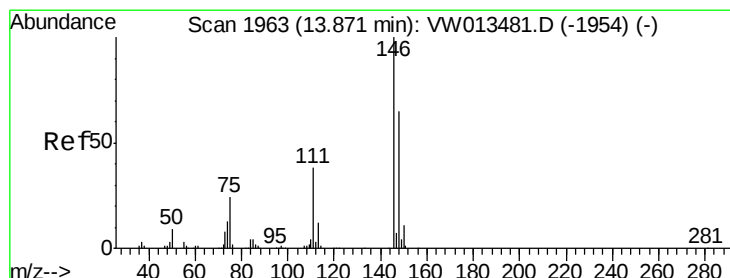
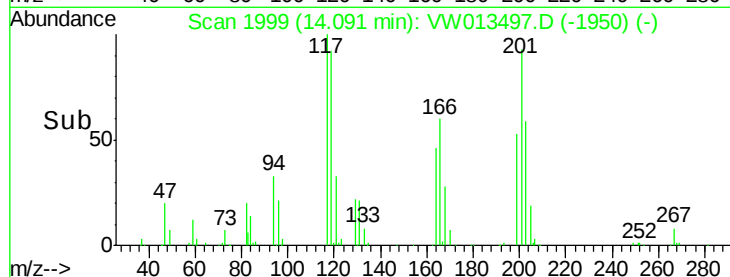
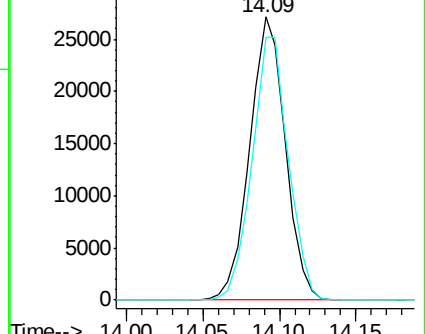
117 100

201 94.9 46.9 140.7



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#91

1,2-Dichlorobenzene

Concen: 20.695 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VW013497.D

Acq: 09 Oct 2019 12:17

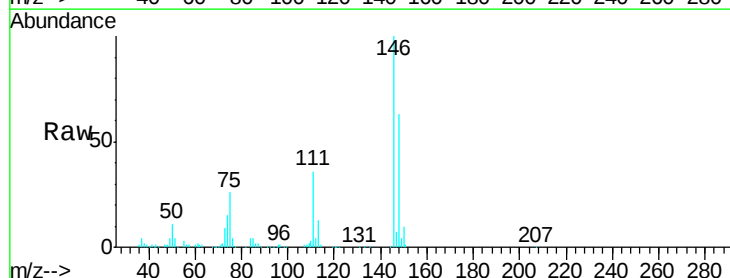
Tgt Ion:146 Resp: 110607

Ion Ratio Lower Upper

146 100

111 38.1 19.4 58.2

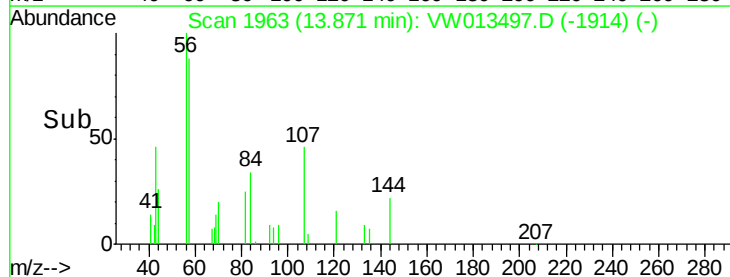
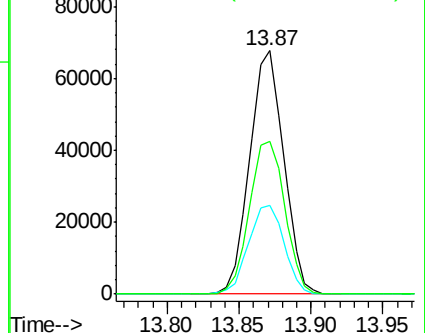
148 65.4 31.8 95.3

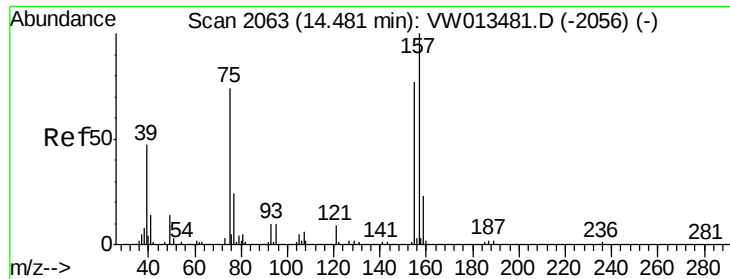


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

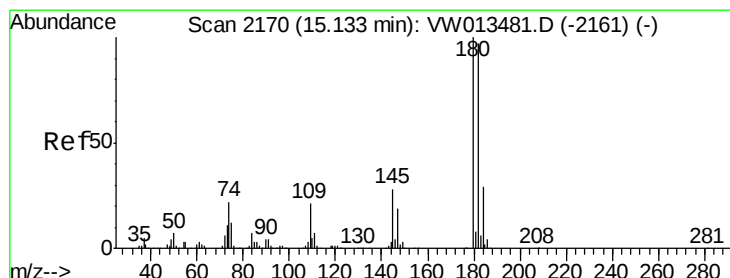
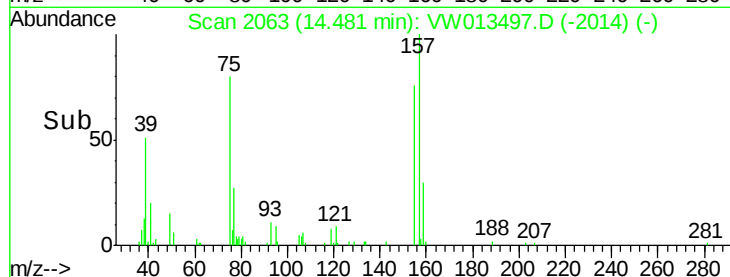
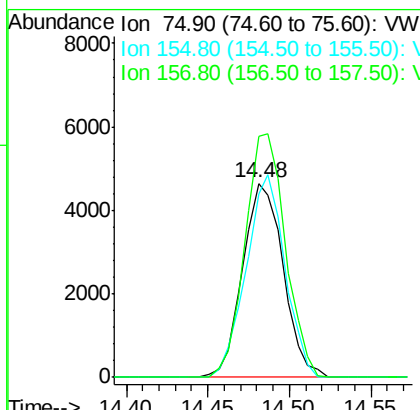
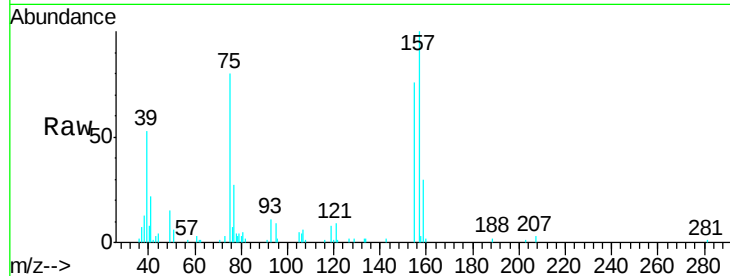




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.983 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. 0.00 min
 Lab File: VW013497.D
 Acq: 09 Oct 2019 12:17

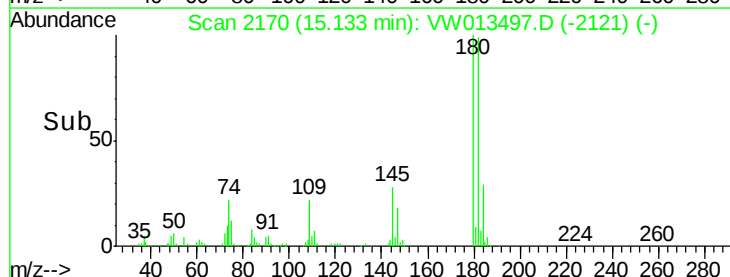
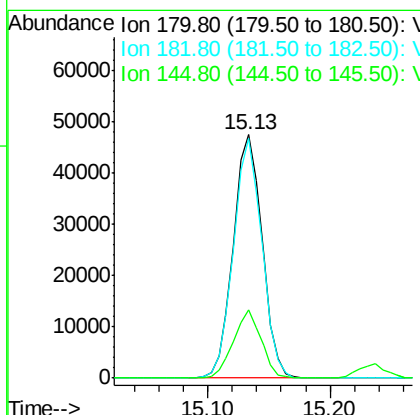
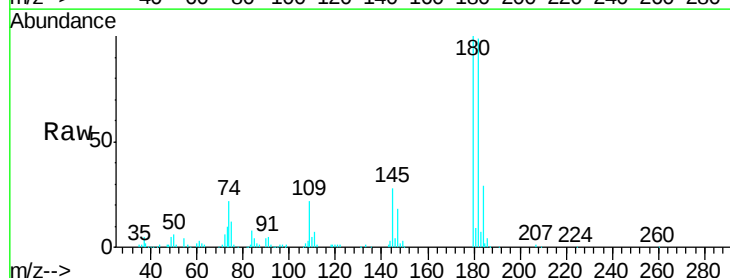
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1009SBS01

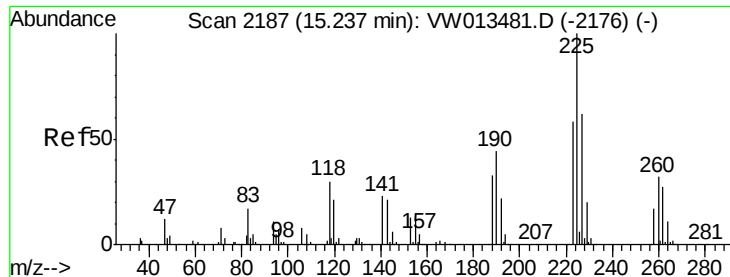
Tgt Ion: 75 Resp: 8045
 Ion Ratio Lower Upper
 75 100
 155 99.9 51.0 153.1
 157 125.3 65.9 197.7



#93
 1,2,4-Trichlorobenzene
 Concen: 20.475 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW013497.D
 Acq: 09 Oct 2019 12:17

Tgt Ion: 180 Resp: 77339
 Ion Ratio Lower Upper
 180 100
 182 96.7 47.7 143.1
 145 27.0 14.0 41.9





#94

Hexachlorobutadiene

Concen: 21.758 ug/l

RT: 15.24 min Scan# 2187

Delta R.T. 0.00 min

Lab File: VW013497.D

Acq: 09 Oct 2019 12:17

Instrument :

MSVOA_W

ClientSampleId :

VW1009SBS01

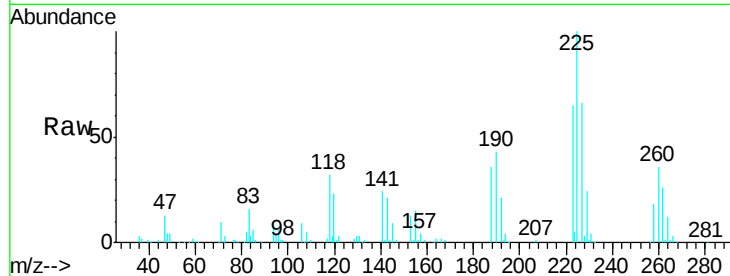
Tgt Ion:225 Resp: 54615

Ion Ratio Lower Upper

225 100

223 63.7 30.3 90.9

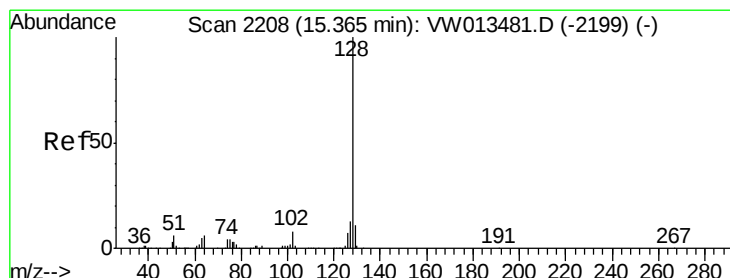
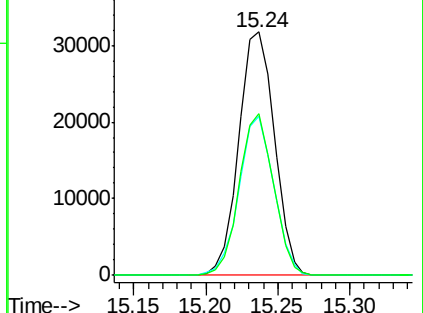
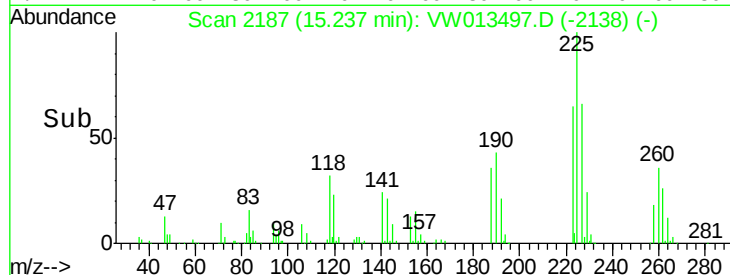
227 63.9 32.0 96.0



Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 21.075 ug/l

RT: 15.36 min Scan# 2208

Delta R.T. 0.00 min

Lab File: VW013497.D

Acq: 09 Oct 2019 12:17

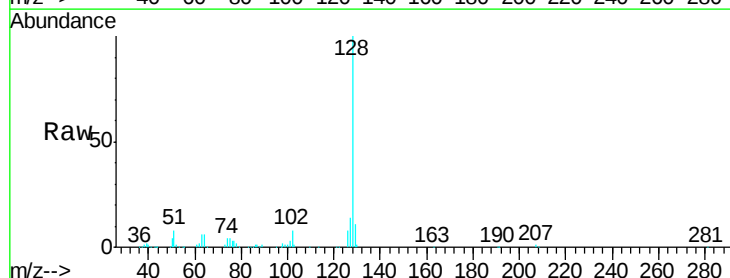
Tgt Ion:128 Resp: 137703

Ion Ratio Lower Upper

128 100

127 13.5 10.6 16.0

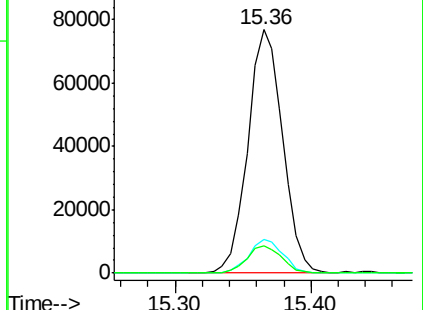
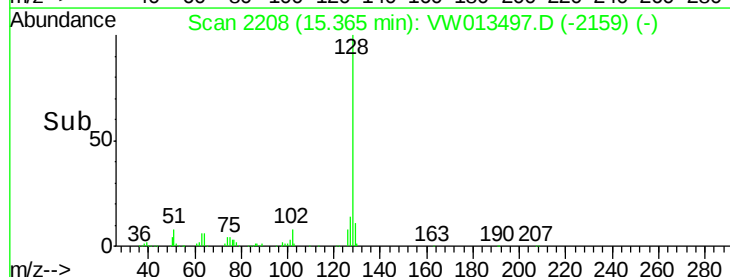
129 11.4 8.8 13.2

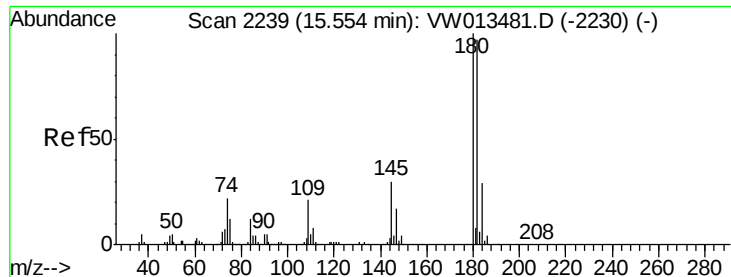


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

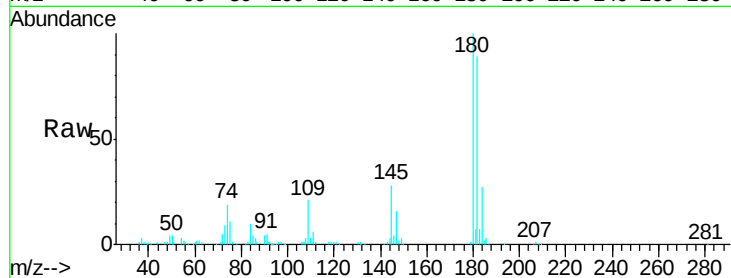




#96
 1,2,3-Trichlorobenzene
 Concen: 21.093 ug/l
 RT: 15.56 min Scan# 2240
 Delta R.T. 0.01 min
 Lab File: VW013497.D
 Acq: 09 Oct 2019 12:17

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1009SBS01

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.4	47.7	143.1
145	29.5	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

