

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\WV100819\
 Data File : VW013488.D
 Acq On : 08 Oct 2019 15:53
 Operator : SY/VA
 Sample : K5111-01 2.5PPBL0D
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Oct 09 05:46:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W100819S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 09 05:37:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	328179	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	474824	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	406990	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	203584	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	132779	52.37	ug/l	0.00
Spiked Amount			Recovery	=	104.74%	
35) Dibromofluoromethane	7.88	113	132986	50.15	ug/l	0.00
Spiked Amount			Recovery	=	100.30%	
50) Toluene-d8	10.32	98	562823	50.50	ug/l	0.00
Spiked Amount			Recovery	=	101.00%	
62) 4-Bromofluorobenzene	12.62	95	189882	50.72	ug/l	0.00
Spiked Amount			Recovery	=	101.44%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	2507	2.306	ug/l #	62
3) Chloromethane	2.21	50	5247	2.746	ug/l	92
4) Vinyl Chloride	2.36	62	7341	2.605	ug/l	98
5) Bromomethane	2.77	94	4865	2.893	ug/l	82
6) Chloroethane	2.91	64	4247	2.683	ug/l #	82
7) Trichlorofluoromethane	3.25	101	3064	2.298	ug/l #	72
8) Diethyl Ether	3.68	74	3550	2.572	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	4.06	101	7186	2.615	ug/l #	56
10) Methyl Iodide	4.27	142	11070	2.544	ug/l	98
11) Tert butyl alcohol	5.17	59	3810	17.759	ug/l #	84
12) 1,1-Dichloroethene	4.04	96	7525	2.642	ug/l	98
13) Acrolein	3.89	56	847	4.098	ug/l	91
14) Allyl chloride	4.67	41	10562	2.413	ug/l	99
15) Acrylonitrile	5.37	53	8062	12.497	ug/l	97
16) Acetone	4.14	43	10496	17.789	ug/l #	88
17) Carbon Disulfide	4.38	76	20421	2.554	ug/l	99
18) Methyl Acetate	4.68	43	6114	3.617	ug/l	90
19) Methyl tert-butyl Ether	5.42	73	11954	2.775	ug/l	94
20) Methylene Chloride	4.92	84	19323	5.949	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	7521	2.485	ug/l	98
22) Diisopropyl ether	6.31	45	21212	2.586	ug/l	97
23) Vinyl Acetate	6.25	43	53973	10.962	ug/l #	94
24) 1,1-Dichloroethane	6.21	63	12490	2.492	ug/l	98
25) 2-Butanone	7.18	43	13529	15.558	ug/l #	84
26) 2,2-Dichloropropane	7.15	77	11689	3.617	ug/l	81
27) cis-1,2-Dichloroethene	7.17	96	8287	2.588	ug/l	84
28) Bromochloromethane	7.51	49	5121	2.864	ug/l #	98
29) Tetrahydrofuran	7.54	42	7215	13.576	ug/l	99
30) Chloroform	7.67	83	13231	2.729	ug/l	94
31) Cyclohexane	7.95	56	17802	3.355	ug/l #	60
32) 1,1,1-Trichloroethane	7.87	97	10008	2.539	ug/l	95
36) 1,1-Dichloropropene	8.08	75	11061	2.575	ug/l	98
37) Ethyl Acetate	7.25	43	5734	2.942	ug/l #	79
38) Carbon Tetrachloride	8.06	117	8839	2.321	ug/l	96

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	14295	2.569	ug/l	97
40) Benzene	8.32	78	30561	2.549	ug/l	97
41) Methacrylonitrile	7.49	41	2305	2.080	ug/l #	78
42) 1,2-Dichloroethane	8.40	62	7648	2.524	ug/l	96
43) Isopropyl Acetate	8.42	43	8811	2.502	ug/l	99
44) Trichloroethene	9.09	130	8794	2.571	ug/l	91
45) 1,2-Dichloropropane	9.37	63	7051	2.450	ug/l	91
46) Dibromomethane	9.46	93	3458	2.412	ug/l	98
47) Bromodichloromethane	9.64	83	8592	2.411	ug/l	89
48) Methyl methacrylate	9.44	41	4416	2.546	ug/l	96
49) 1,4-Dioxane	9.46	88	1132	44.966	ug/l #	83
51) 4-Methyl-2-Pentanone	10.21	43	24673	13.329	ug/l	98
52) Toluene	10.38	92	19582	2.535	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	8725	2.356	ug/l	95
54) cis-1,3-Dichloropropene	10.07	75	10454	2.330	ug/l	94
55) 1,1,2-Trichloroethane	10.79	97	5534	2.572	ug/l	93
56) Ethyl methacrylate	10.65	69	6424	2.216	ug/l #	88
57) 1,3-Dichloropropane	10.93	76	9247	2.502	ug/l	94
58) 2-Chloroethyl Vinyl ether	9.93	63	18428	13.477	ug/l	98
59) 2-Hexanone	10.97	43	14424	11.363	ug/l	98
60) Dibromochloromethane	11.13	129	6057	2.447	ug/l	100
61) 1,2-Dibromoethane	11.23	107	5439	2.657	ug/l	96
64) Tetrachloroethene	10.86	164	8123	2.712	ug/l	97
65) Chlorobenzene	11.66	112	21413	2.648	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.73	131	7555	2.689	ug/l	96
67) Ethyl Benzene	11.73	91	37689	2.550	ug/l	100
68) m/p-Xylenes	11.84	106	28066	4.990	ug/l	96
69) o-Xylene	12.17	106	12973	2.497	ug/l	99
70) Styrene	12.18	104	20651	2.315	ug/l	99
71) Bromoform	12.35	173	3379	2.192	ug/l #	94
73) Isopropylbenzene	12.46	105	35433	2.430	ug/l	98
74) N-amyl acetate	12.27	43	7133	2.237	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.72	83	6161	2.479	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	7785	4.591	ug/l #	100
77) Bromobenzene	12.74	156	9280	2.685	ug/l	96
78) n-propylbenzene	12.80	91	43065	2.554	ug/l	100
79) 2-Chlorotoluene	12.89	91	24258	2.568	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	30703	2.534	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.62	75	87564	105.567	ug/l #	14
82) 4-Chlorotoluene	12.99	91	25089	2.559	ug/l	97
83) tert-Butylbenzene	13.21	119	27530	2.558	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	31290	2.611	ug/l	96
85) sec-Butylbenzene	13.38	105	37023	2.490	ug/l	96
86) p-Isopropyltoluene	13.50	119	34720	2.542	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	18142	2.768	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	17677	2.753	ug/l	85
89) n-Butylbenzene	13.82	91	30474	2.469	ug/l	98
90) Hexachloroethane	14.09	117	5779	2.472	ug/l	92
91) 1,2-Dichlorobenzene	13.87	146	15817	2.733	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	1117	2.819	ug/l	85

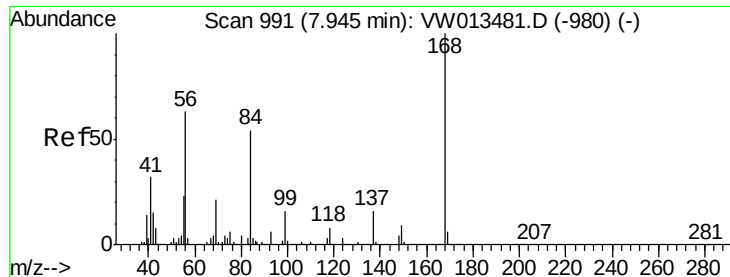
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	10615	2.595	ug/l	98
94) Hexachlorobutadiene	15.23	225	8067	2.968	ug/l	96
95) Naphthalene	15.36	128	16072	2.272	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	9348	2.614	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW013488.D

Acq: 08 Oct 2019 15:53

Instrument :

MSVOA_W

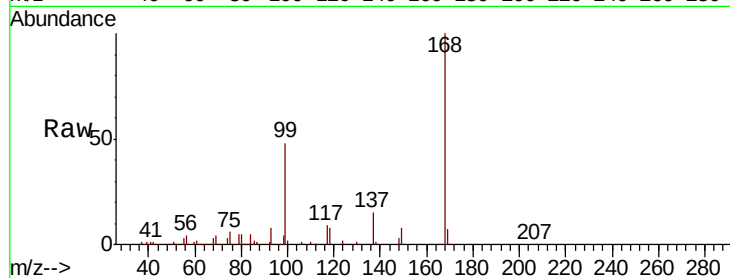
ClientSampleId :

Tot Ion:168 Resp: 328179

Ion Ratio Lower Upper

168 100

99 47.6 38.3 57.5



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

150000

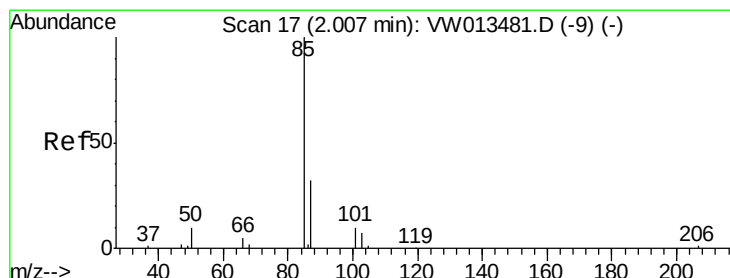
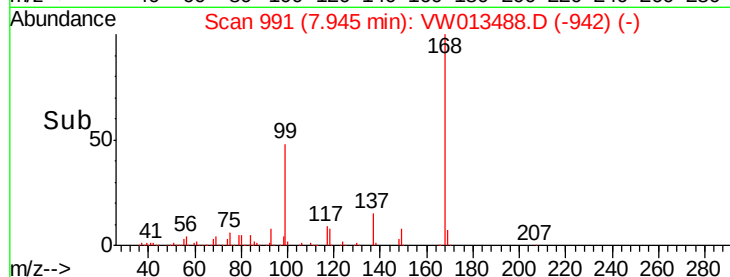
100000

50000

0

7.90 8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 2.306 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW013488.D

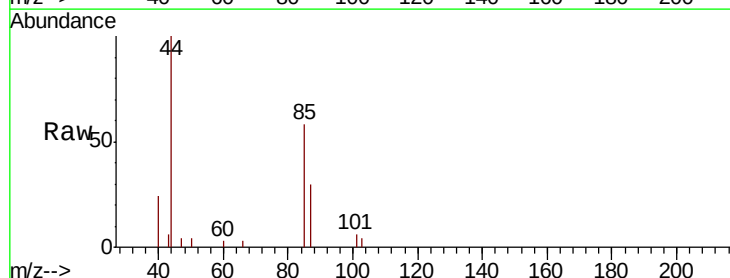
Acq: 08 Oct 2019 15:53

Tgt Ion: 85 Resp: 2507

Ion Ratio Lower Upper

85 100

87 52.6 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

1200

1000

800

600

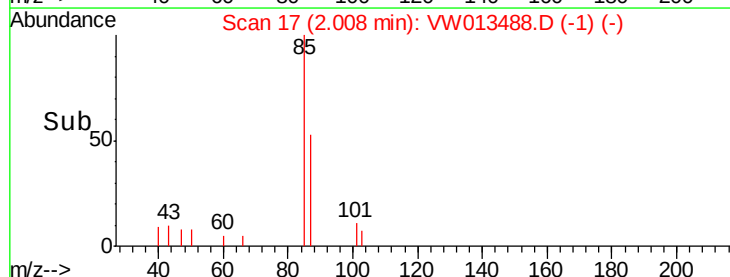
400

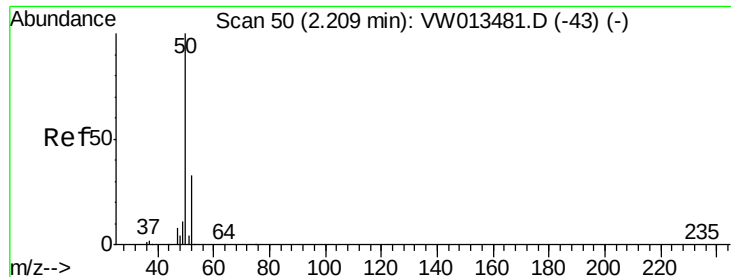
200

0

1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 2.746 ug/l

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW013488.D

Acq: 08 Oct 2019 15:53

Instrument :

MSVOA_W

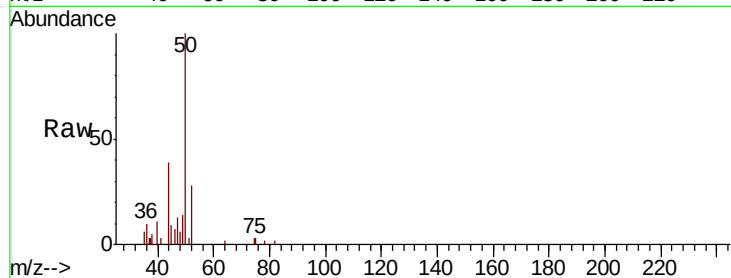
ClientSampled :

Tot Ion: 50 Resp: 5247

Ion Ratio Lower Upper

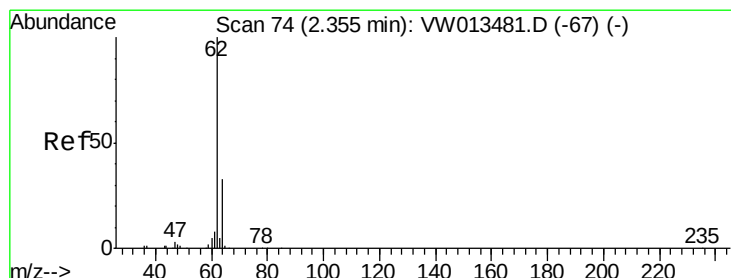
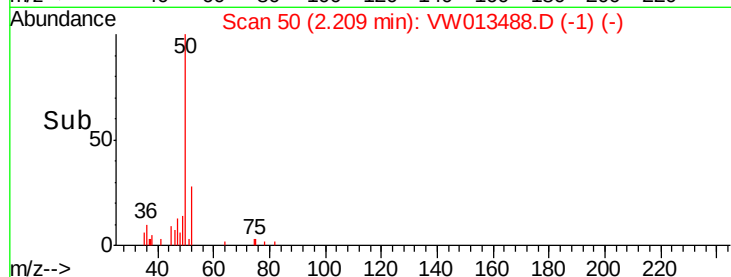
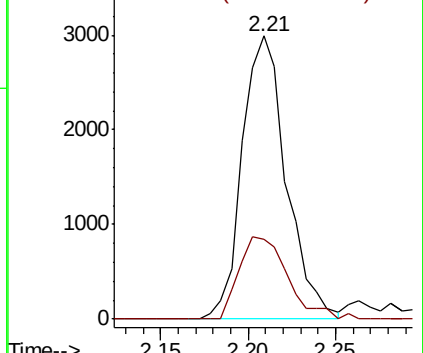
50 100

52 28.0 26.0 39.0



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW



#4

Vinyl Chloride

Concen: 2.605 ug/l

RT: 2.36 min Scan# 74

Delta R.T. 0.00 min

Lab File: VW013488.D

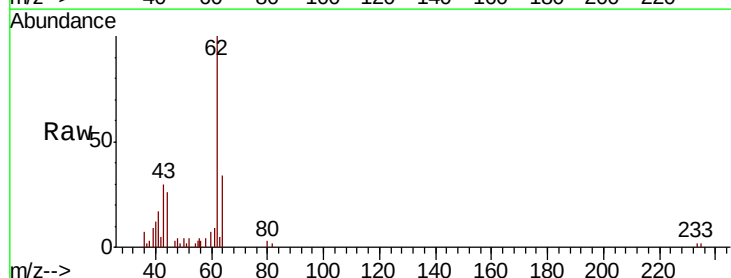
Acq: 08 Oct 2019 15:53

Tgt Ion: 62 Resp: 7341

Ion Ratio Lower Upper

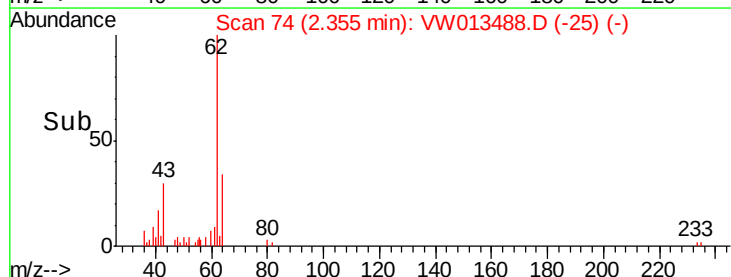
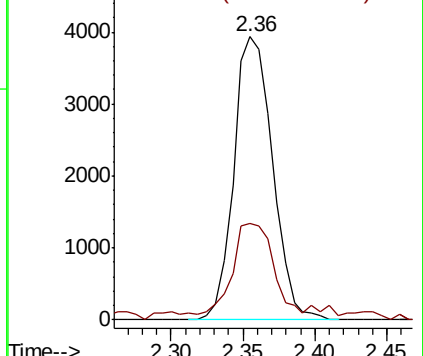
62 100

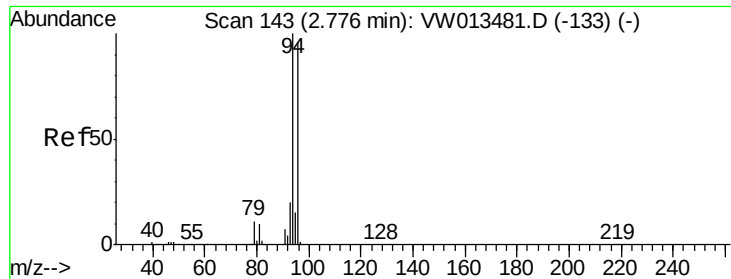
64 32.3 26.6 39.8



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW





#5

Bromomethane

Concen: 2.893 ug/l

RT: 2.77 min Scan# 142

Delta R.T. -0.01 min

Lab File: VW013488.D

Acq: 08 Oct 2019 15:53

Instrument :

MSVOA_W

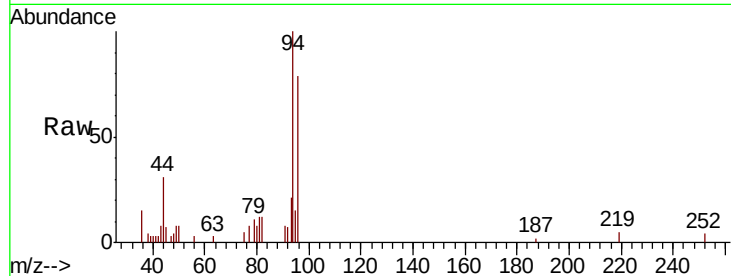
ClientSampled :

Tot Ion: 94 Resp: 4865

Ion Ratio Lower Upper

94 100

96 79.1 77.0 115.6



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW

2.77

2500

2000

1500

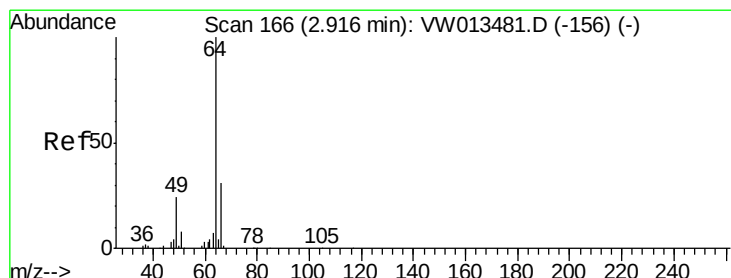
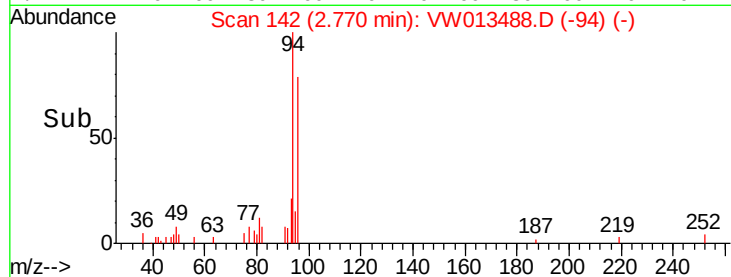
1000

500

0

Time-->

2.70 2.75 2.80 2.85 2.90



#6

Chloroethane

Concen: 2.683 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.01 min

Lab File: VW013488.D

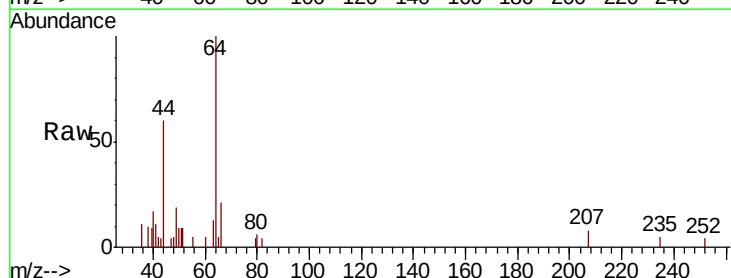
Acq: 08 Oct 2019 15:53

Tgt Ion: 64 Resp: 4247

Ion Ratio Lower Upper

64 100

66 21.4 25.0 37.4#



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW

2.91

1500

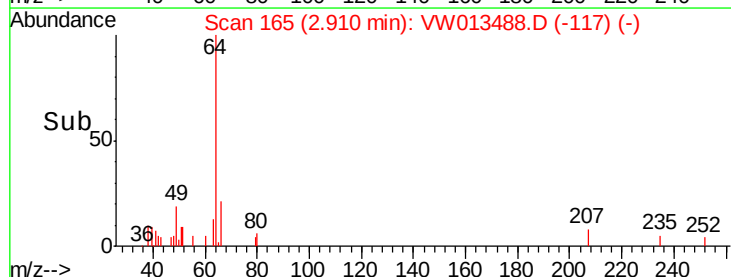
1000

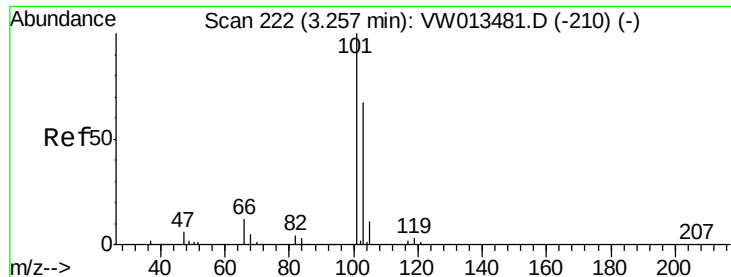
500

0

Time-->

2.85 2.90 2.95 3.00



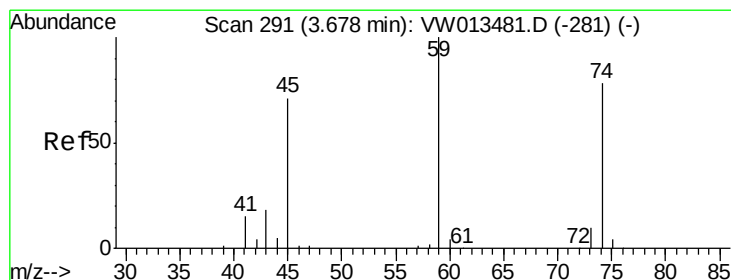
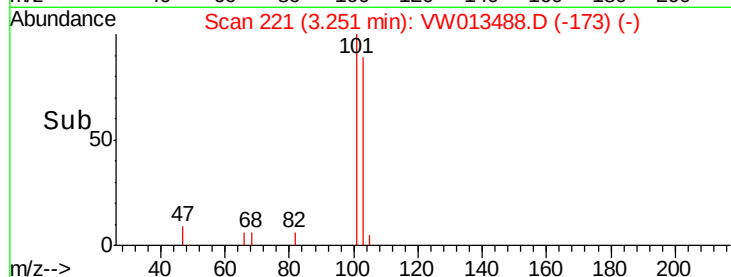
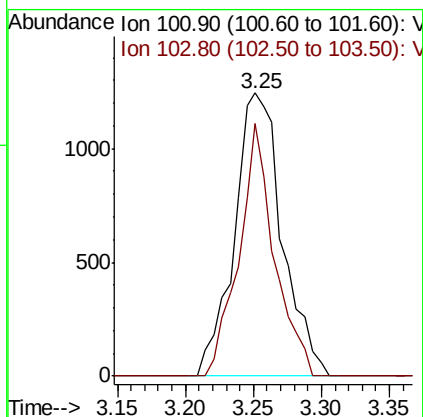
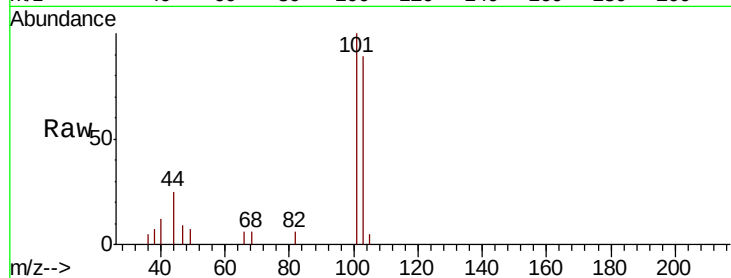


#7

Trichlorofluoromethane
 Concen: 2.298 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.01 min
 Lab File: VW013488.D
 Acq: 08 Oct 2019 15:53

Instrument :
 MSVOA_W
 ClientSampleId :

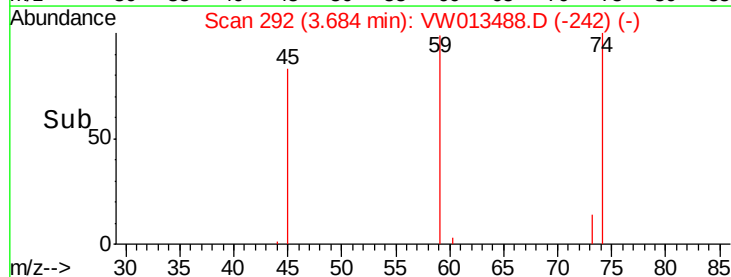
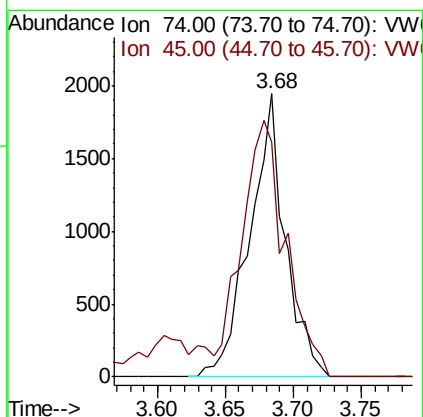
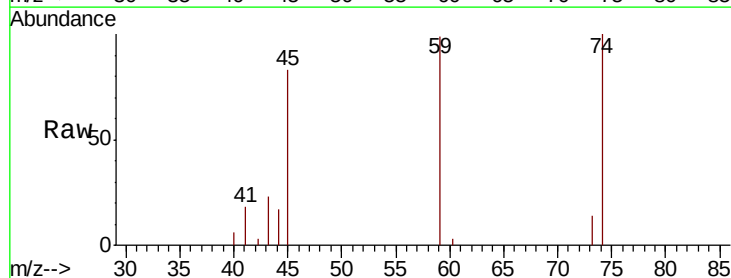
Tot Ion:101 Resp: 3064
 Ion Ratio Lower Upper
 101 100
 103 89.3 53.7 80.5#

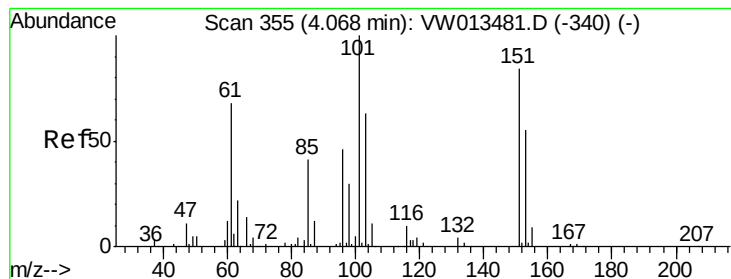


#8

Diethyl Ether
 Concen: 2.572 ug/l
 RT: 3.68 min Scan# 292
 Delta R.T. 0.01 min
 Lab File: VW013488.D
 Acq: 08 Oct 2019 15:53

Tgt Ion: 74 Resp: 3550
 Ion Ratio Lower Upper
 74 100
 45 112.0 50.0 150.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 2.615 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW013488.D

Acq: 08 Oct 2019 15:53

Instrument :

MSVOA_W

ClientSampled :

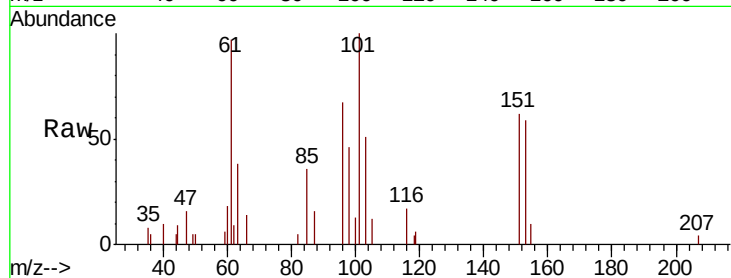
Tot Ion:101 Resp: 7186

Ion Ratio Lower Upper

101 100

85 16.7 31.6 47.4#

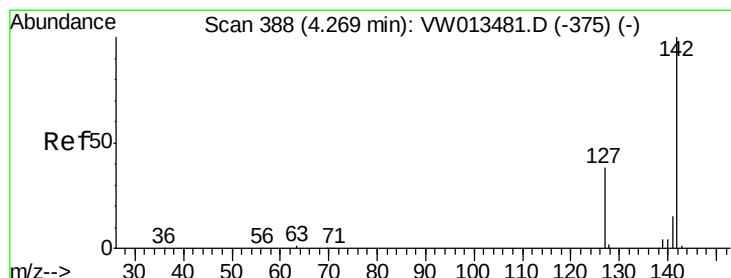
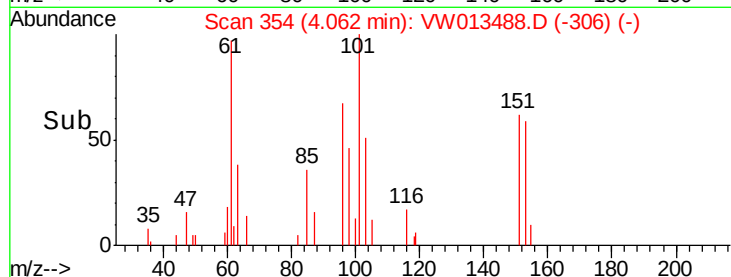
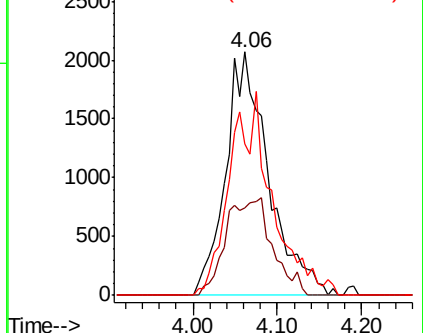
151 41.9 67.5 101.3#



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: 2.544 ug/l

RT: 4.27 min Scan# 388

Delta R.T. 0.00 min

Lab File: VW013488.D

Acq: 08 Oct 2019 15:53

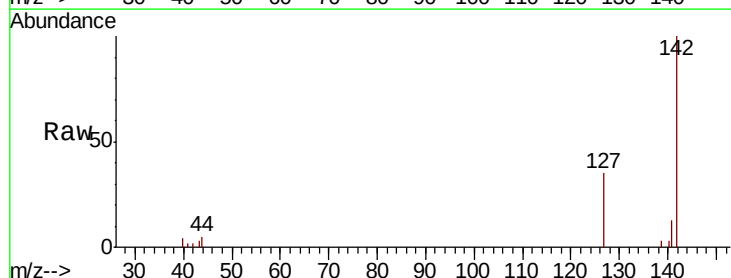
Tgt Ion:142 Resp: 11070

Ion Ratio Lower Upper

142 100

127 37.6 29.6 44.4

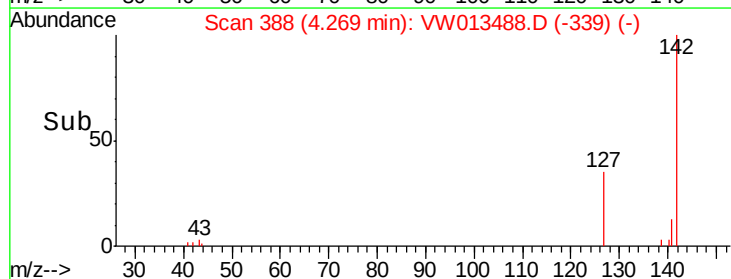
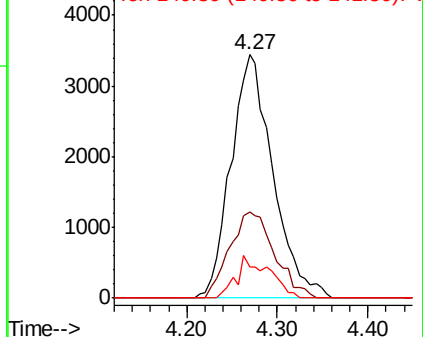
141 13.5 12.1 18.1

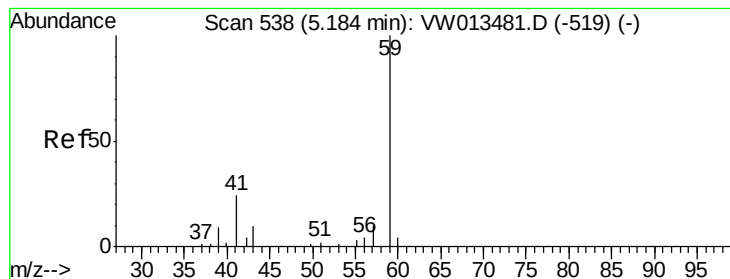


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



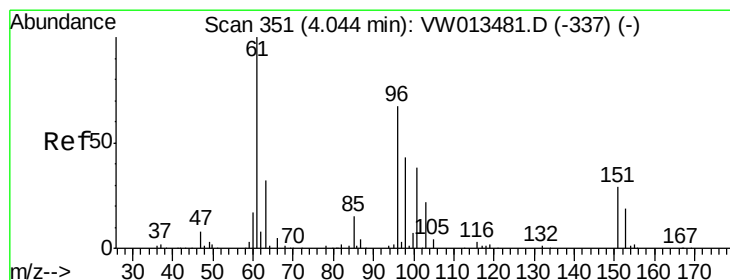
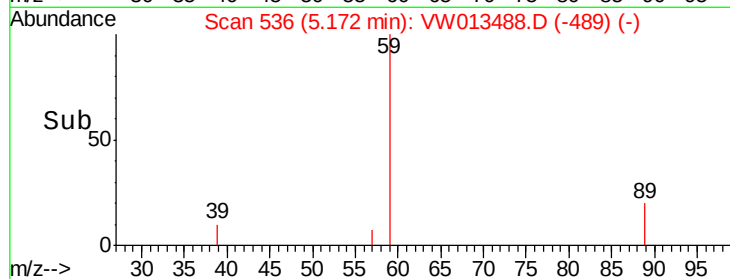
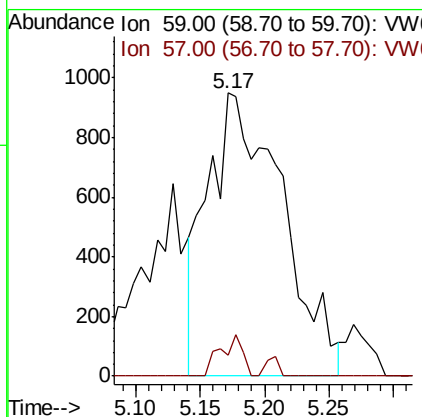
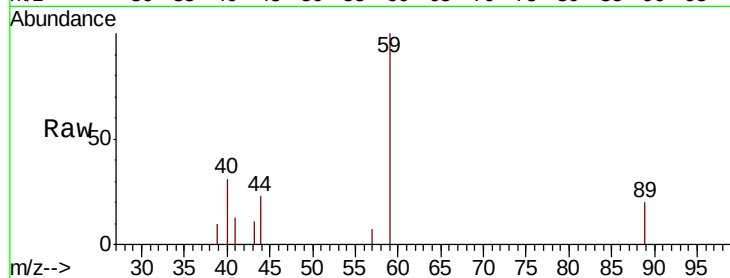


#11

Tert butyl alcohol
 Concen: 17.759 ug/l
 RT: 5.17 min Scan# 536
 Delta R.T. -0.01 min
 Lab File: VW013488.D
 Acq: 08 Oct 2019 15:53

Instrument :
 MSVOA_W
 ClientSampled :

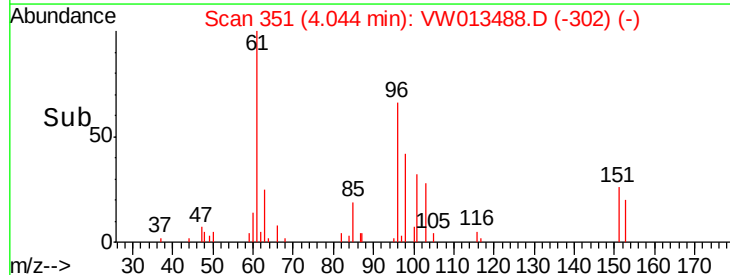
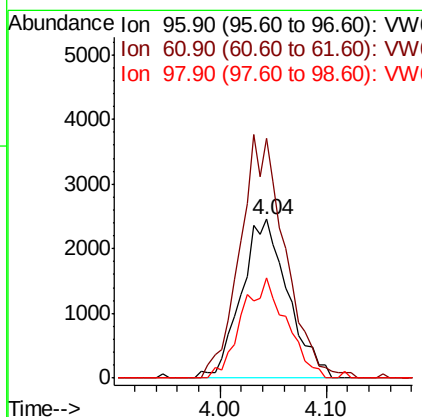
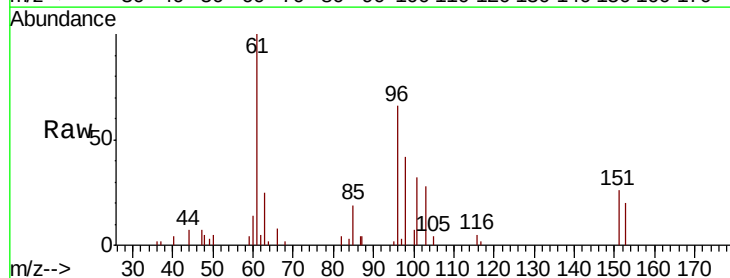
Tot Ion: 59 Resp: 3810
 Ion Ratio Lower Upper
 59 100
 57 4.5 8.2 12.4#

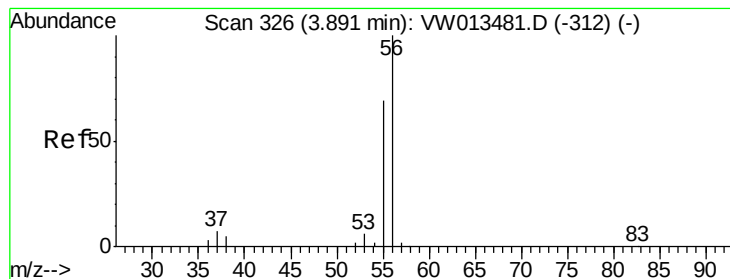


#12

1,1-Dichloroethene
 Concen: 2.642 ug/l
 RT: 4.04 min Scan# 351
 Delta R.T. 0.00 min
 Lab File: VW013488.D
 Acq: 08 Oct 2019 15:53

Tgt Ion: 96 Resp: 7525
 Ion Ratio Lower Upper
 96 100
 61 151.5 119.4 179.0
 98 62.9 51.1 76.7





#13

Acrolein

Concen: 4.098 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.00 min

Lab File: VW013488.D

Acq: 08 Oct 2019 15:53

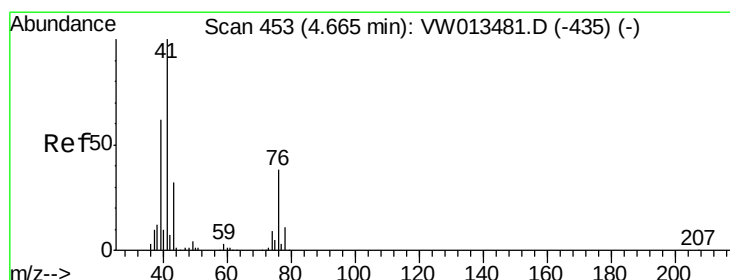
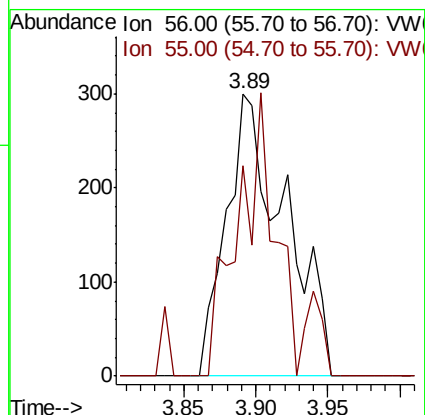
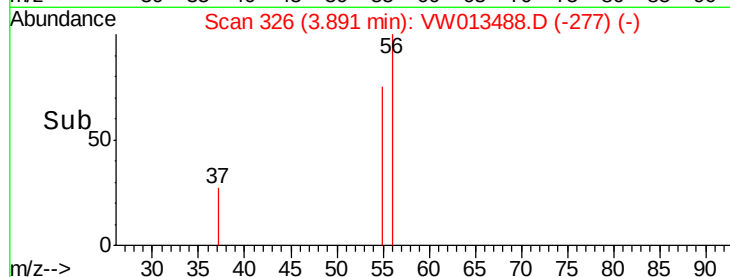
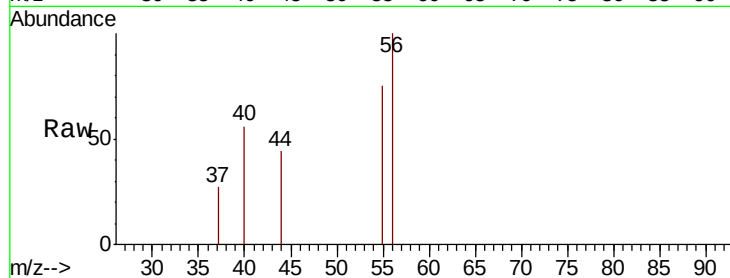
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 56 Resp: 847

Ion Ratio Lower Upper

56 100

55 62.8 55.9 83.9



#14

Allyl chloride

Concen: 2.413 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.00 min

Lab File: VW013488.D

Acq: 08 Oct 2019 15:53

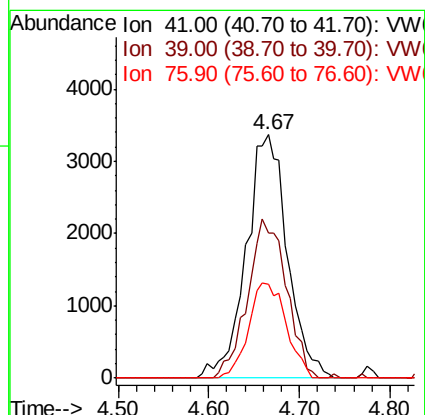
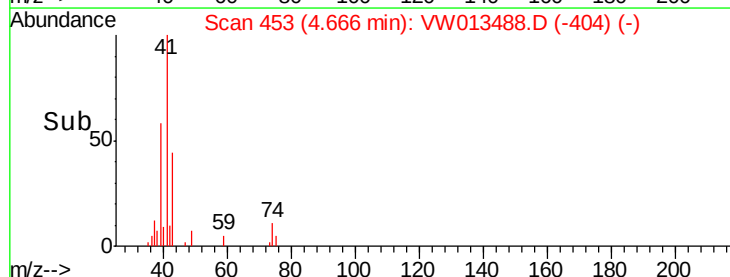
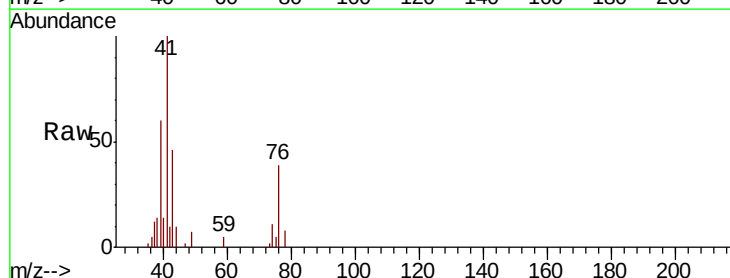
Tgt Ion: 41 Resp: 10562

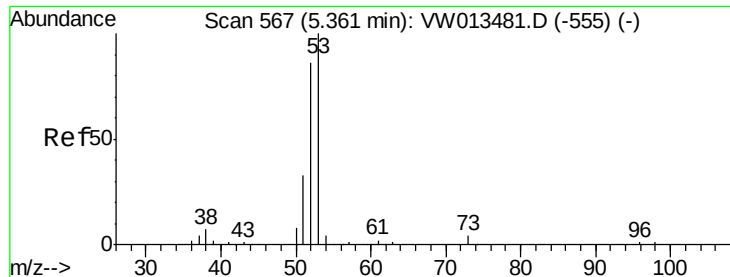
Ion Ratio Lower Upper

41 100

39 61.8 50.1 75.1

76 35.7 29.0 43.4





#15

Acrylonitrile

Concen: 12.497 ug/l

RT: 5.37 min Scan# 569

Delta R.T. 0.01 min

Lab File: VW013488.D

Acq: 08 Oct 2019 15:53

Instrument :

MSVOA_W

ClientSampled :

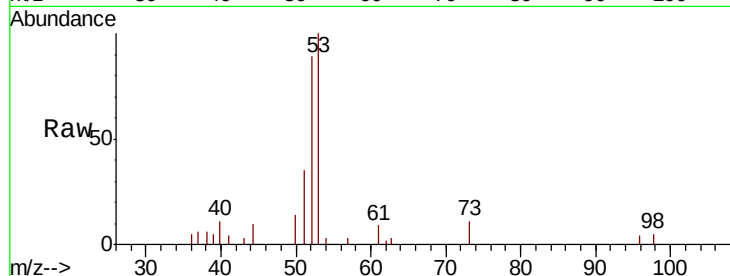
Tot Ion: 53 Resp: 8062

Ion Ratio Lower Upper

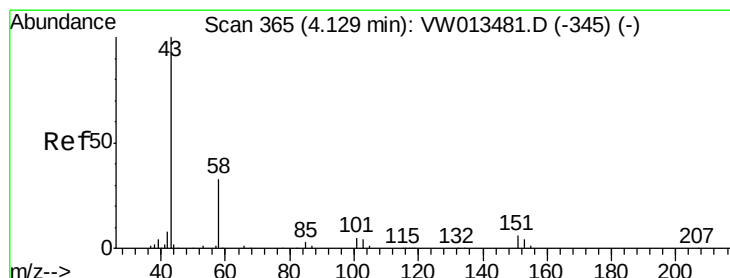
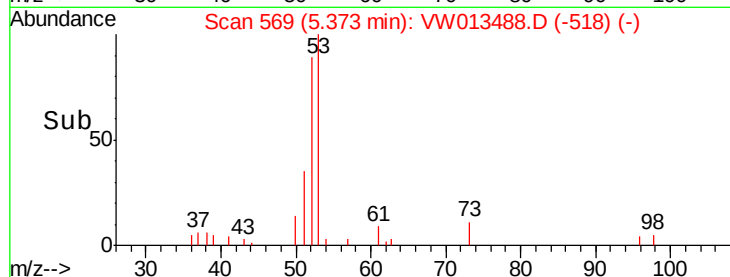
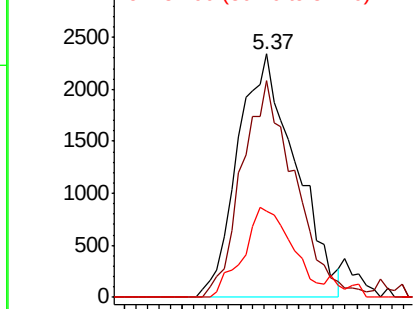
53 100

52 81.5 65.8 98.8

51 31.6 28.6 42.8



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



#16

Acetone

Concen: 17.789 ug/l

RT: 4.14 min Scan# 366

Delta R.T. 0.01 min

Lab File: VW013488.D

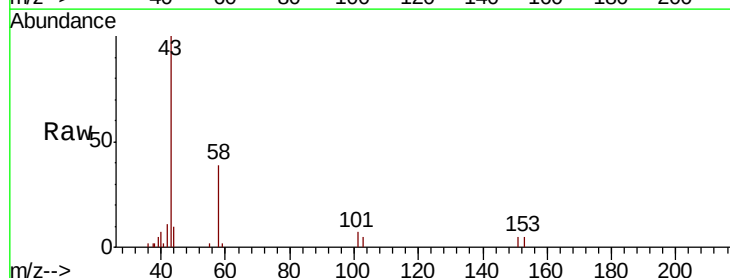
Acq: 08 Oct 2019 15:53

Tgt Ion: 43 Resp: 10496

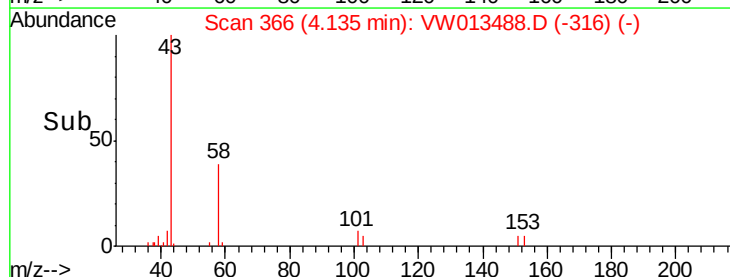
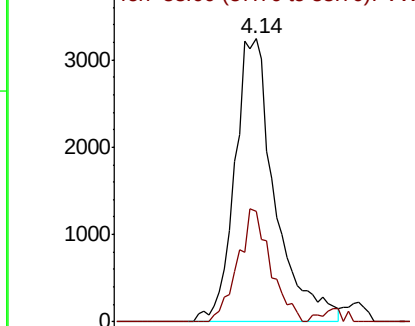
Ion Ratio Lower Upper

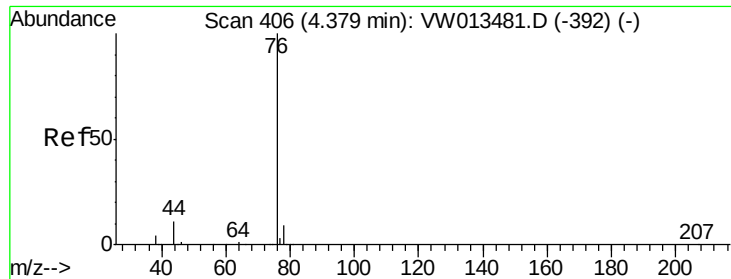
43 100

58 39.3 26.1 39.1#



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

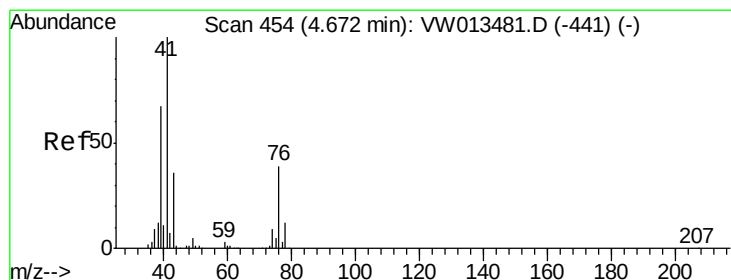
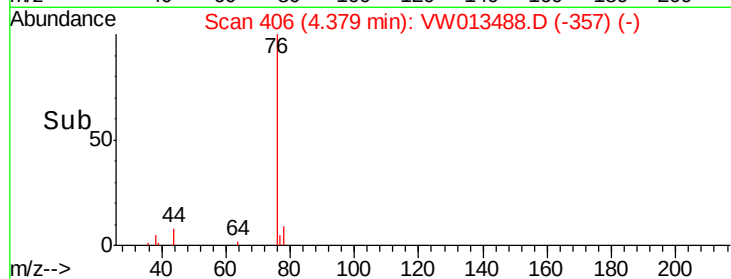
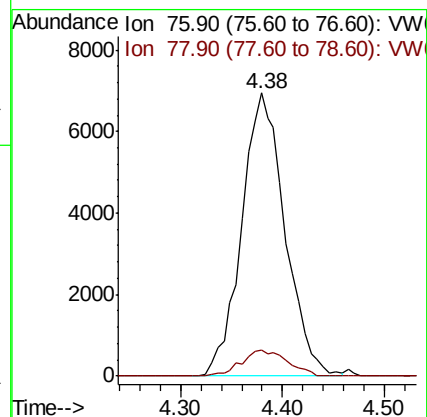
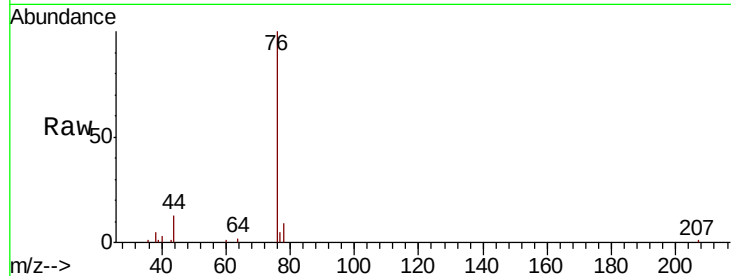




#17
Carbon Disulfide
Concen: 2.554 ug/l
RT: 4.38 min Scan# 406
Delta R.T. 0.00 min
Lab File: VW013488.D
Acq: 08 Oct 2019 15:53

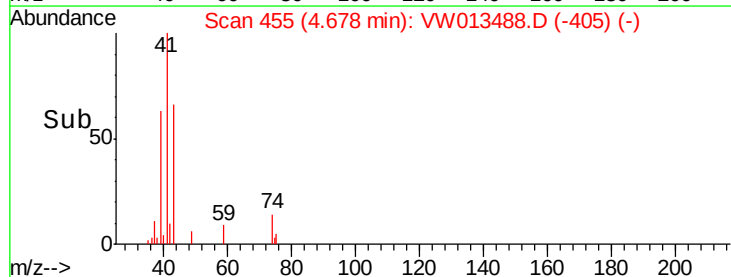
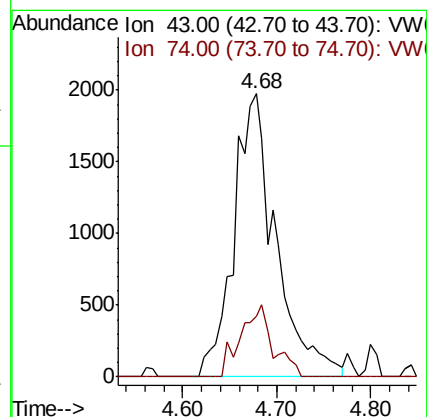
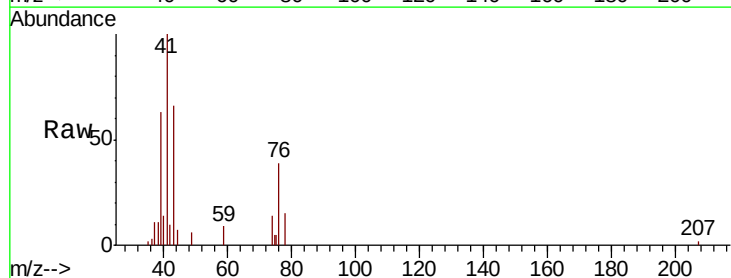
Instrument :
MSVOA_W
ClientSampleId :

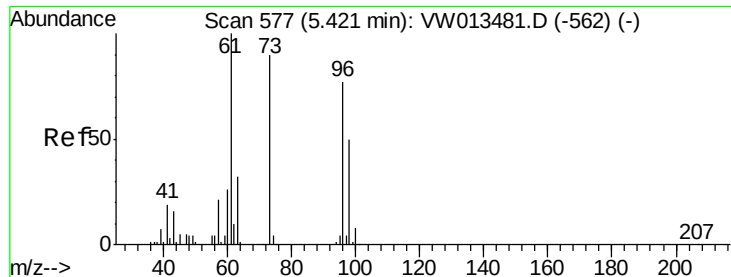
Tot Ion: 76 Resp: 20421
Ion Ratio Lower Upper
76 100
78 9.4 7.1 10.7



#18
Methyl Acetate
Concen: 3.617 ug/l
RT: 4.68 min Scan# 455
Delta R.T. 0.01 min
Lab File: VW013488.D
Acq: 08 Oct 2019 15:53

Tgt Ion: 43 Resp: 6114
Ion Ratio Lower Upper
43 100
74 19.7 19.6 29.4

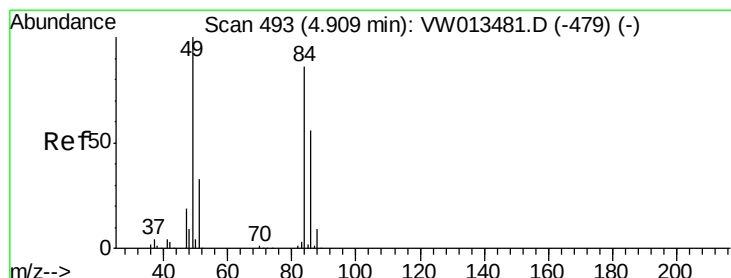
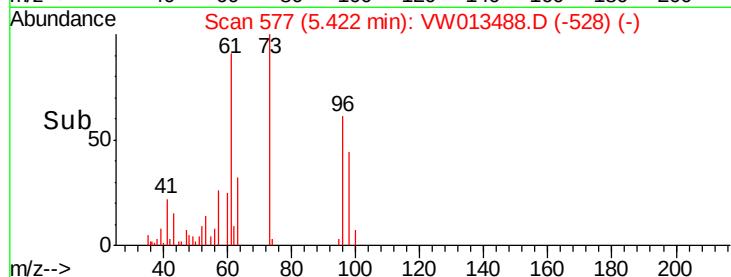
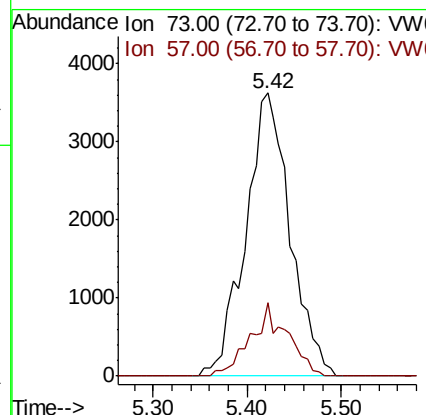
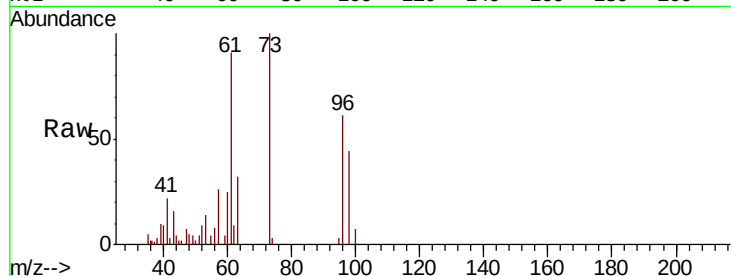




#19
Methyl tert-butyl Ether
Concen: 2.775 ug/l
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW013488.D
Acq: 08 Oct 2019 15:53

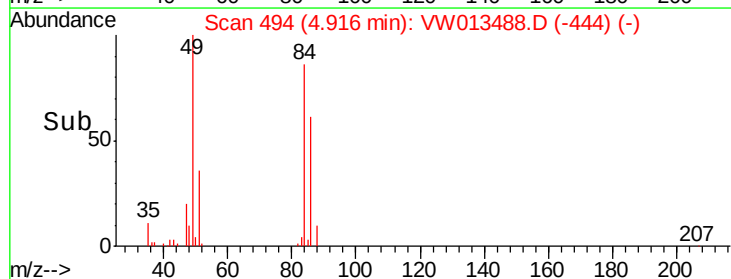
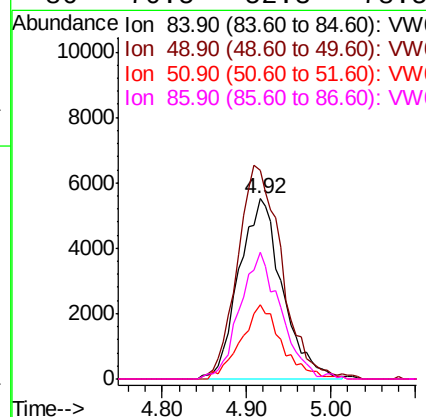
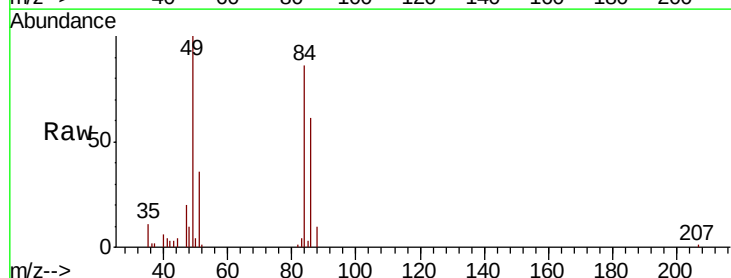
Instrument :
MSVOA_W
ClientSampled :

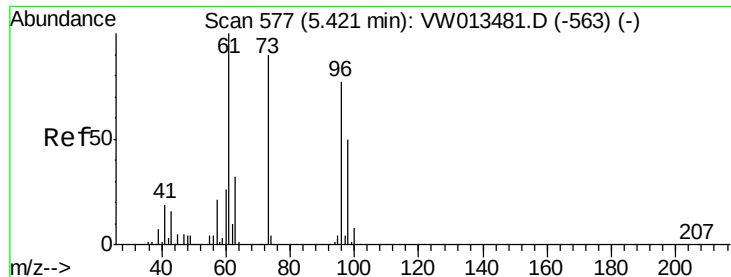
Tot Ion: 73 Resp: 11954
Ion Ratio Lower Upper
73 100
57 25.9 18.6 27.8



#20
Methylene Chloride
Concen: 5.949 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.01 min
Lab File: VW013488.D
Acq: 08 Oct 2019 15:53

Tgt Ion: 84 Resp: 19323
Ion Ratio Lower Upper
84 100
49 115.7 93.4 140.0
51 41.5 30.6 46.0
86 70.5 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 2.485 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW013488.D

Acq: 08 Oct 2019 15:53

Instrument :

MSVOA_W

ClientSampleId :

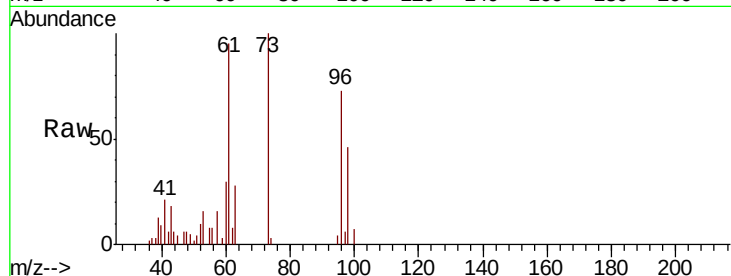
Tot Ion: 96 Resp: 7521

Ion Ratio Lower Upper

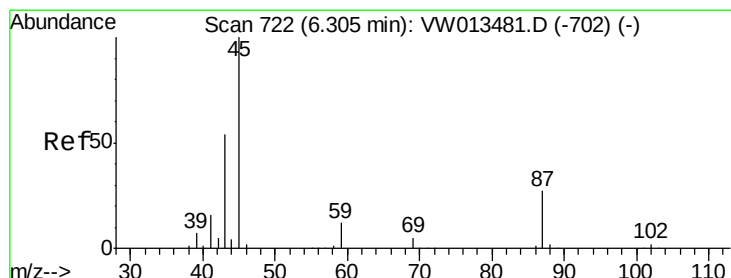
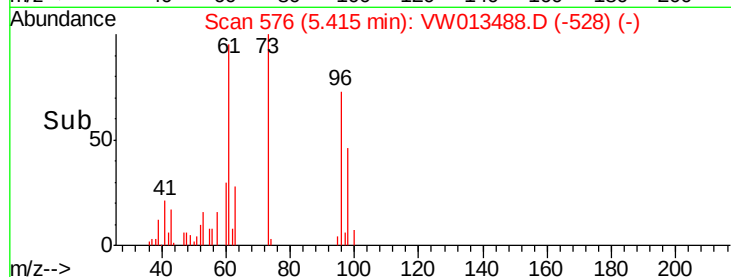
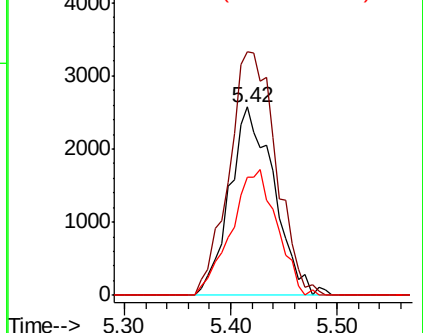
96 100

61 129.3 104.3 156.5

98 62.5 51.8 77.8



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



#22

Diisopropyl ether

Concen: 2.586 ug/l

RT: 6.31 min Scan# 723

Delta R.T. 0.01 min

Lab File: VW013488.D

Acq: 08 Oct 2019 15:53

Tgt Ion: 45 Resp: 21212

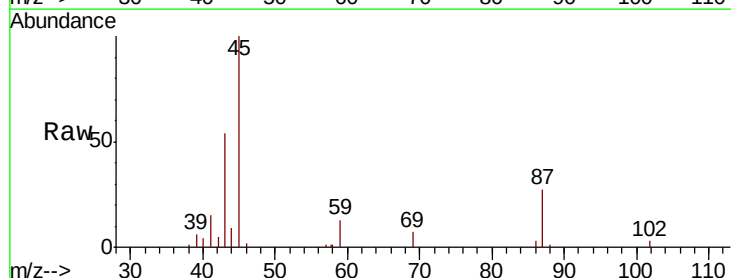
Ion Ratio Lower Upper

45 100

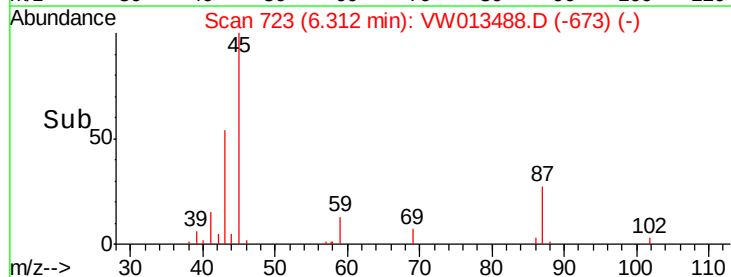
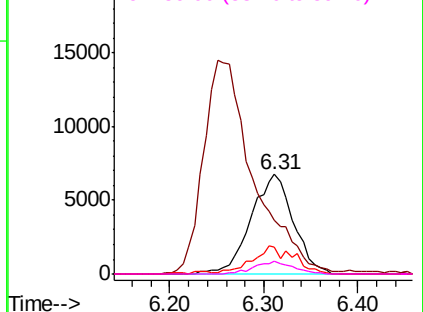
43 50.6 43.4 65.0

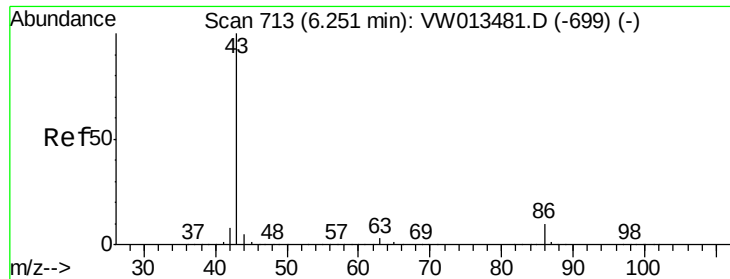
87 26.9 22.1 33.1

59 12.5 9.9 14.9



Abundance Ion 45.00 (44.70 to 45.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 87.00 (86.70 to 87.70): VW
Ion 59.00 (58.70 to 59.70): VW





#23

Vinyl Acetate

Concen: 10.962 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW013488.D

Acq: 08 Oct 2019 15:53

Instrument :

MSVOA_W

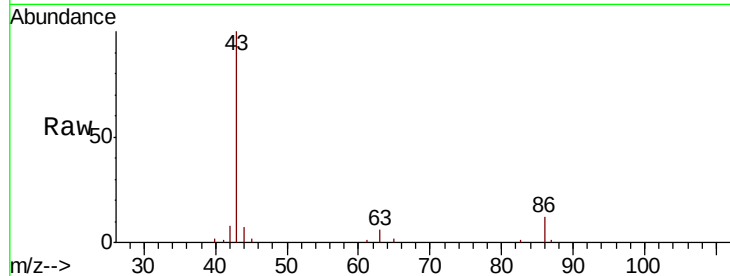
ClientSampleId :

Tot Ion: 43 Resp: 53973

Ion Ratio Lower Upper

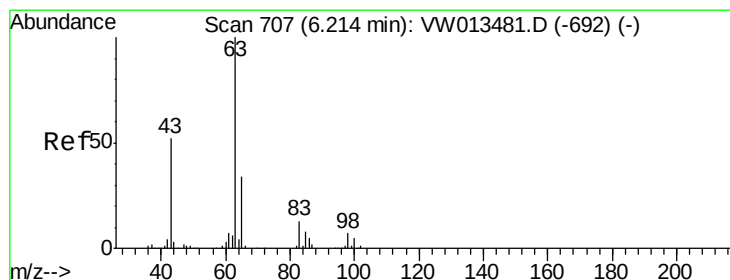
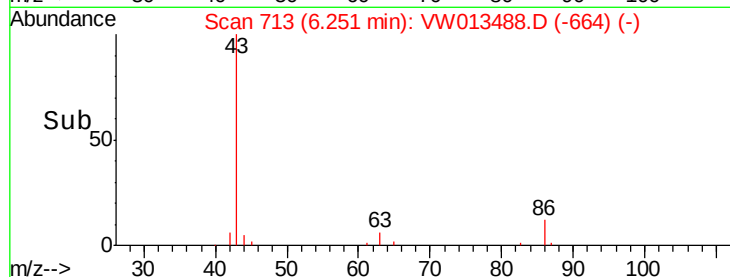
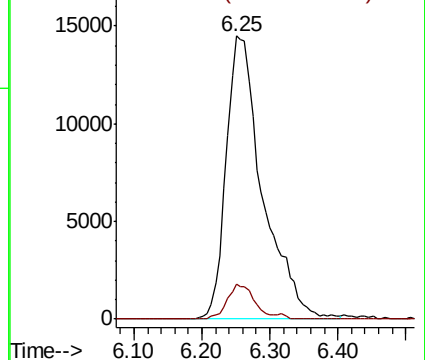
43 100

86 12.5 8.3 12.5#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 2.492 ug/l

RT: 6.21 min Scan# 707

Delta R.T. 0.00 min

Lab File: VW013488.D

Acq: 08 Oct 2019 15:53

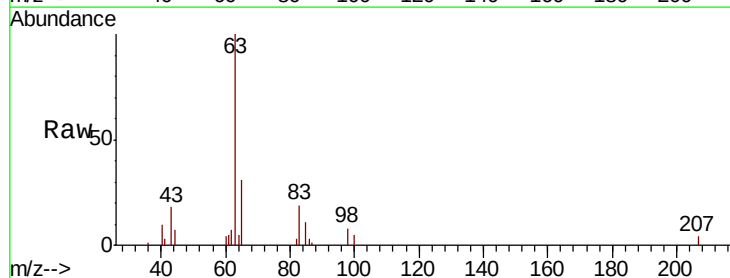
Tgt Ion: 63 Resp: 12490

Ion Ratio Lower Upper

63 100

98 8.1 3.5 10.6

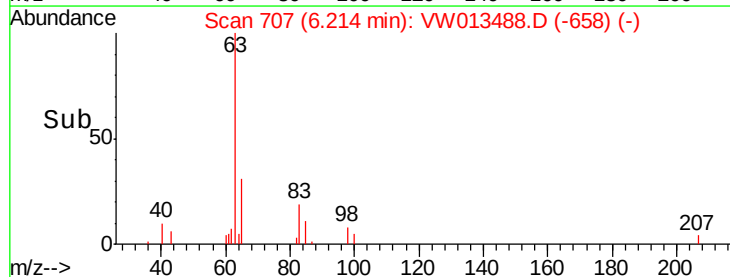
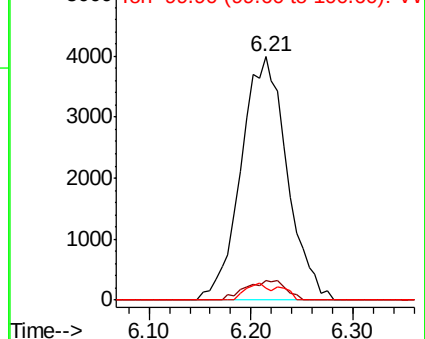
100 5.1 2.3 6.8

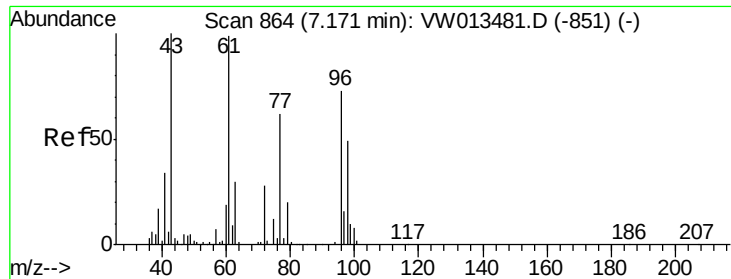


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 15.558 ug/l

RT: 7.18 min Scan# 866

Delta R.T. 0.01 min

Lab File: VW013488.D

Acq: 08 Oct 2019 15:53

Instrument :

MSVOA_W

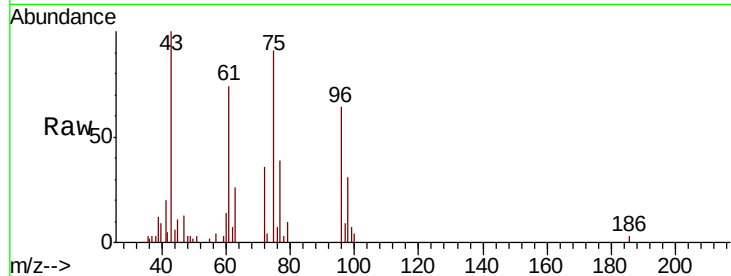
ClientSampled :

Tot Ion: 43 Resp: 13529

Ion Ratio Lower Upper

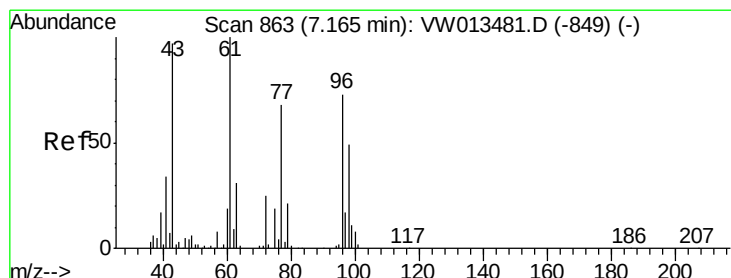
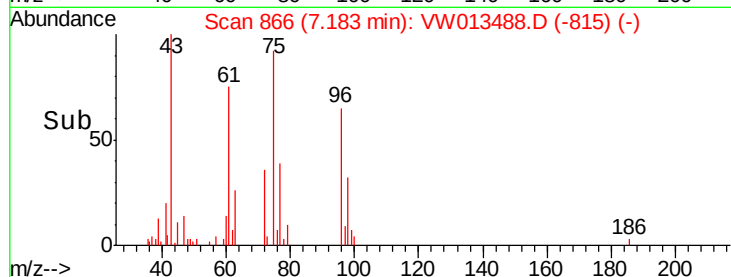
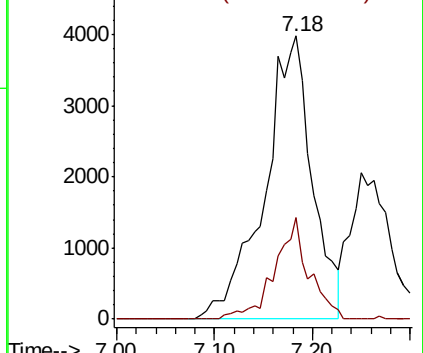
43 100

72 35.8 22.1 33.1#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



#26

2,2-Dichloropropane

Concen: 3.617 ug/l

RT: 7.15 min Scan# 861

Delta R.T. -0.01 min

Lab File: VW013488.D

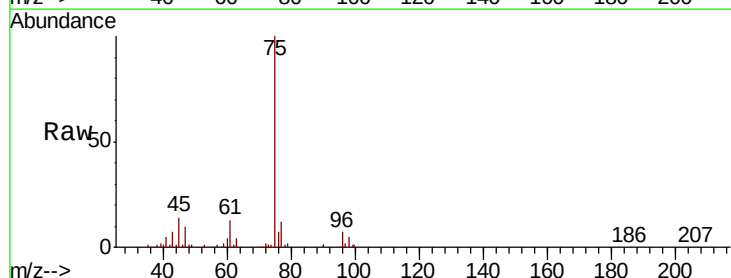
Acq: 08 Oct 2019 15:53

Tgt Ion: 77 Resp: 11689

Ion Ratio Lower Upper

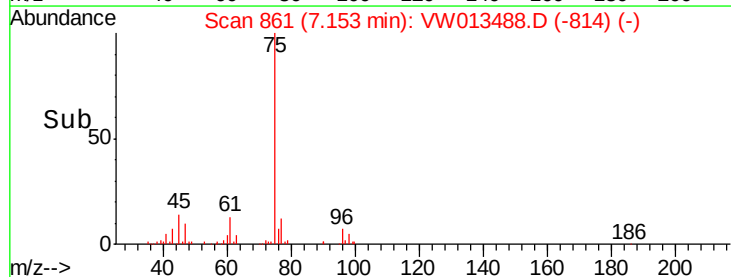
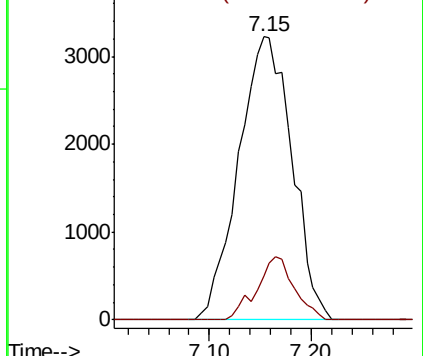
77 100

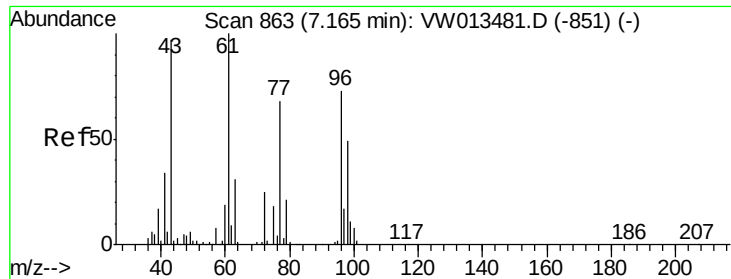
97 15.8 12.6 37.6



Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW



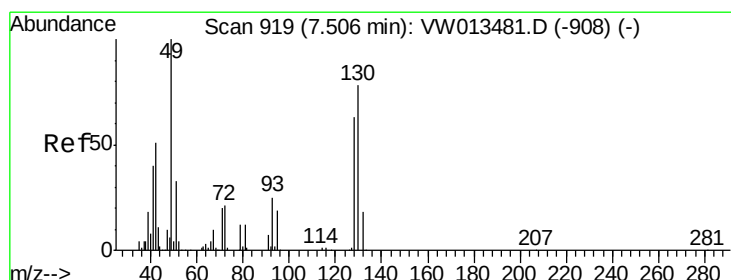
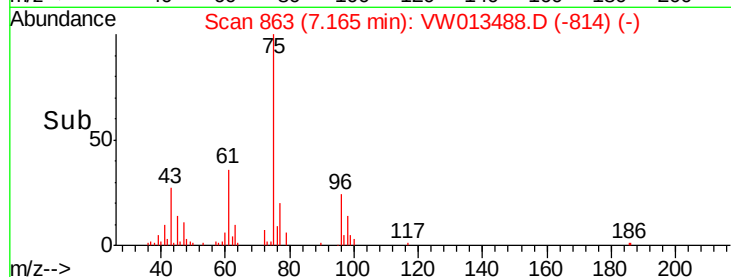
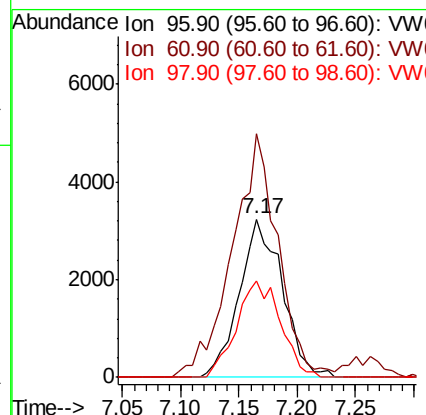
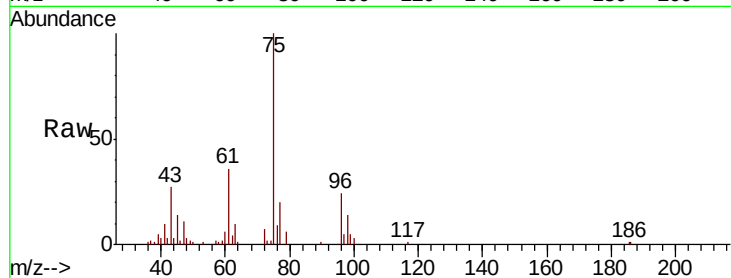


#27

cis-1,2-Dichloroethene
 Concen: 2.588 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. 0.00 min
 Lab File: VW013488.D
 Acq: 08 Oct 2019 15:53

Instrument :
 MSVOA_W
 ClientSampleId :

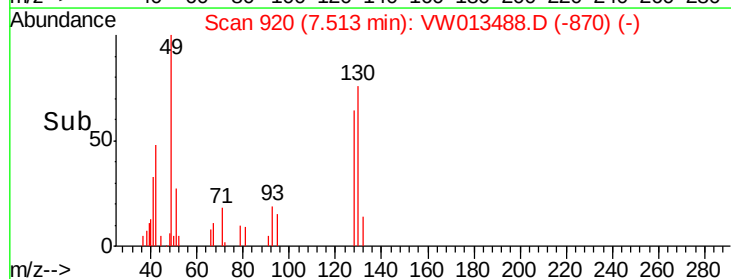
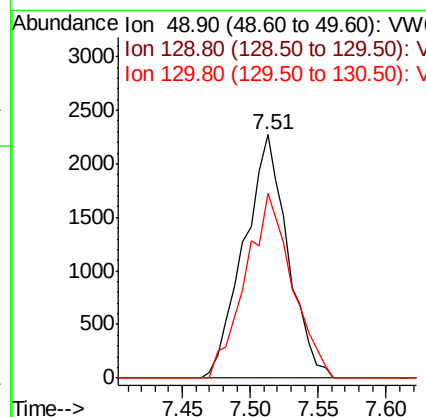
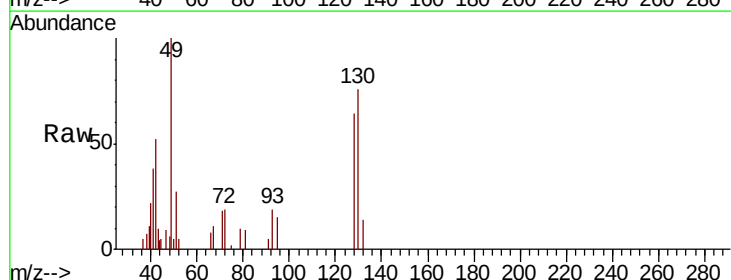
Tot Ion	Ratio	Lower	Upper
96	100		
61	164.1	0.0	274.4
98	62.4	0.0	130.2

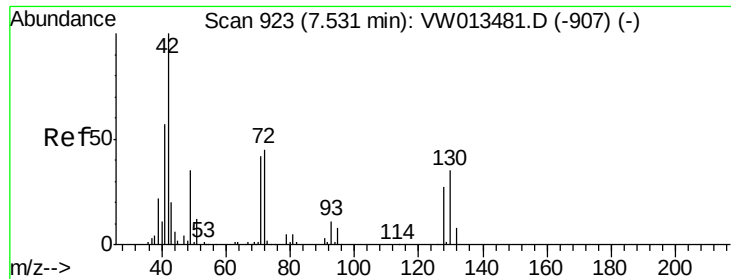


#28

Bromochloromethane
 Concen: 2.864 ug/l
 RT: 7.51 min Scan# 920
 Delta R.T. 0.01 min
 Lab File: VW013488.D
 Acq: 08 Oct 2019 15:53

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	1.6
130	80.6	0.0	0.0#

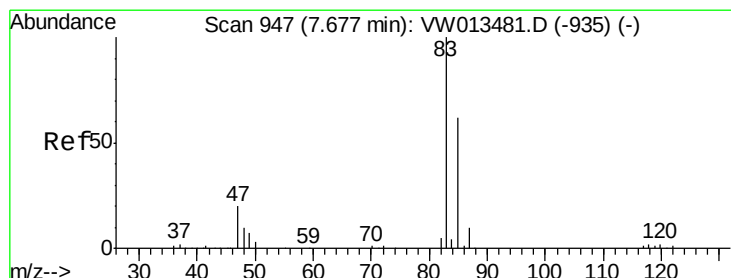
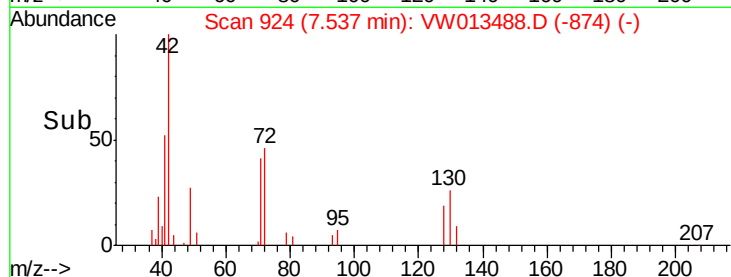
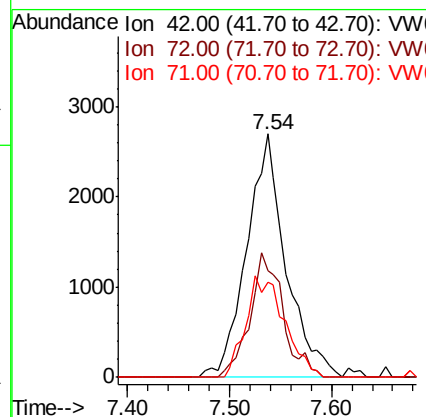
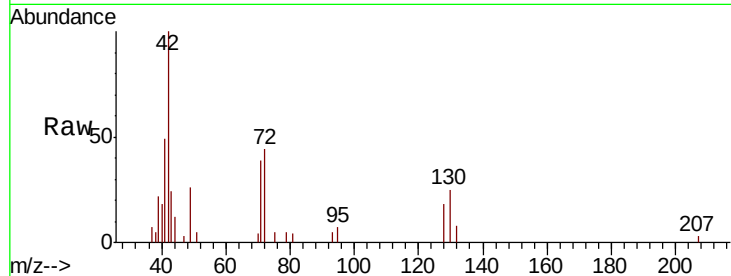




#29
Tetrahydrofuran
Concen: 13.576 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.01 min
Lab File: VW013488.D
Acq: 08 Oct 2019 15:53

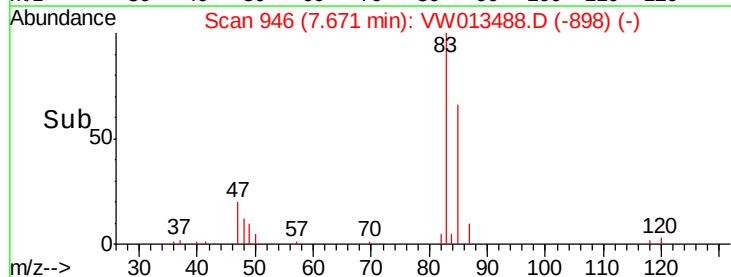
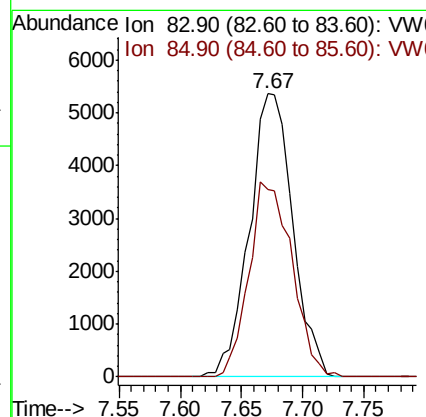
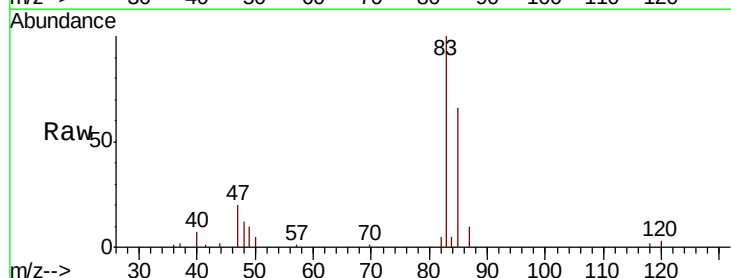
Instrument :
MSVOA_W
ClientSampleId :

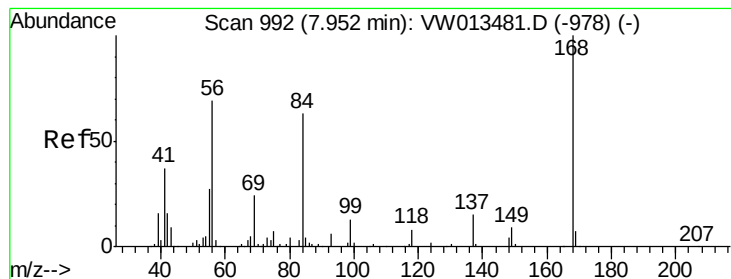
Tot Ion: 42 Resp: 7215
Ion Ratio Lower Upper
42 100
72 43.0 34.8 52.2
71 40.8 33.6 50.4



#30
Chloroform
Concen: 2.729 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW013488.D
Acq: 08 Oct 2019 15:53

Tgt Ion: 83 Resp: 13231
Ion Ratio Lower Upper
83 100
85 66.4 49.4 74.2





#31

Cyclohexane

Concen: 3.355 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW013488.D

Acq: 08 Oct 2019 15:53

Instrument :

MSVOA_W

ClientSampled :

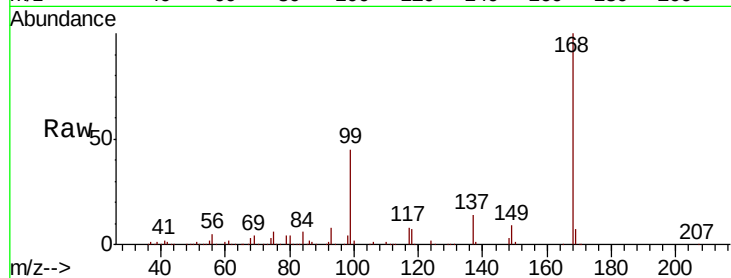
Tot Ion: 56 Resp: 17802

Ion Ratio Lower Upper

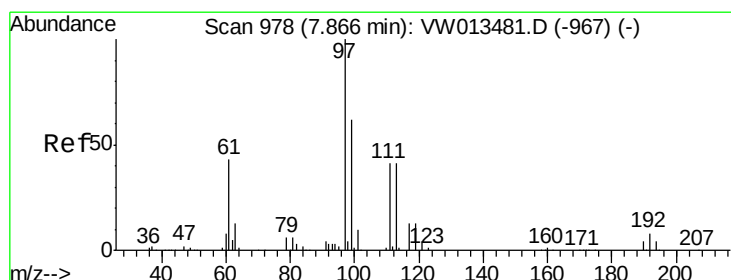
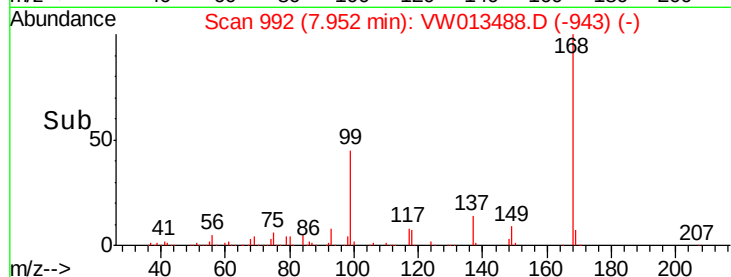
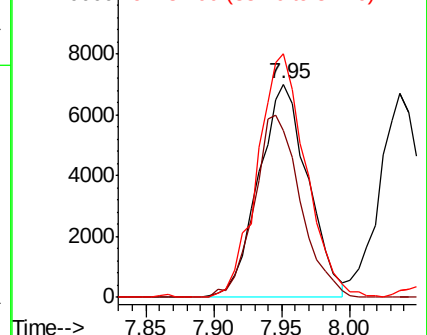
56 100

69 78.1 28.0 42.0#

84 114.4 71.8 107.6#



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



#32

1,1,1-Trichloroethane

Concen: 2.539 ug/l

RT: 7.87 min Scan# 979

Delta R.T. 0.01 min

Lab File: VW013488.D

Acq: 08 Oct 2019 15:53

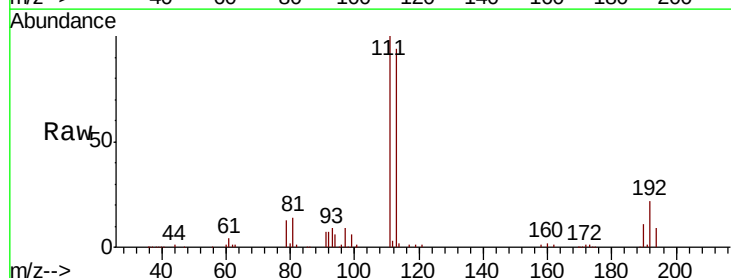
Tgt Ion: 97 Resp: 10008

Ion Ratio Lower Upper

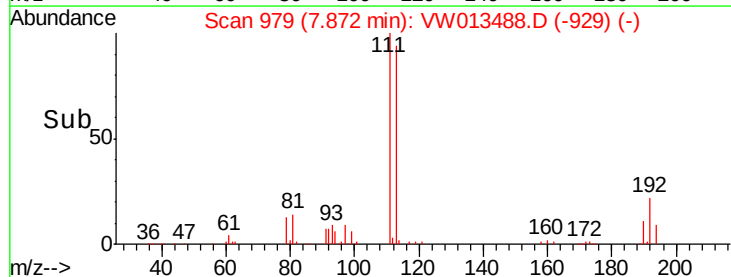
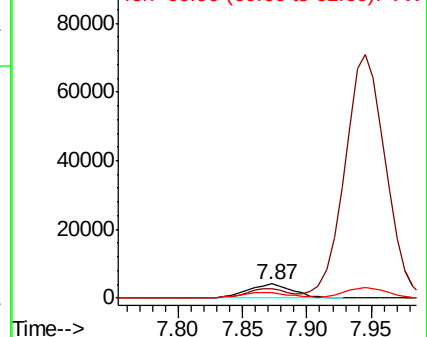
97 100

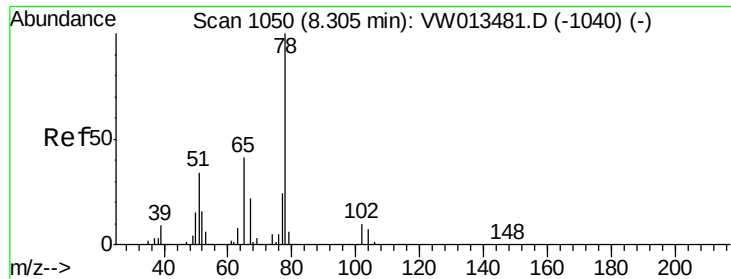
99 60.9 52.3 78.5

61 44.2 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

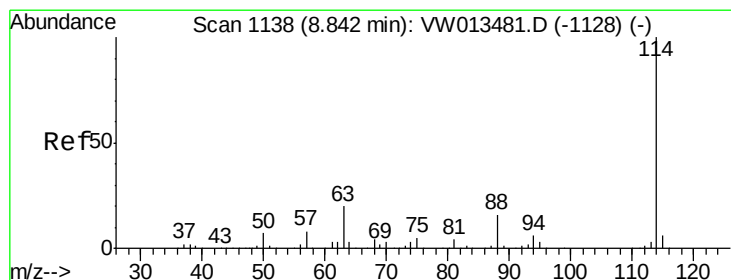
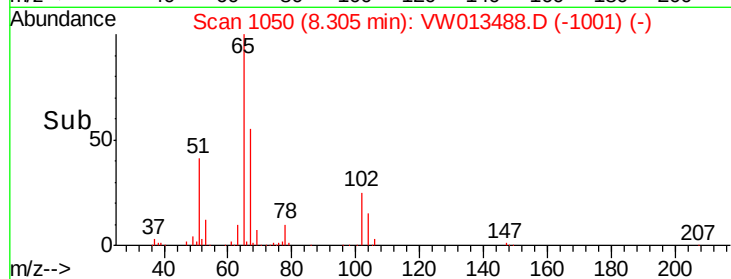
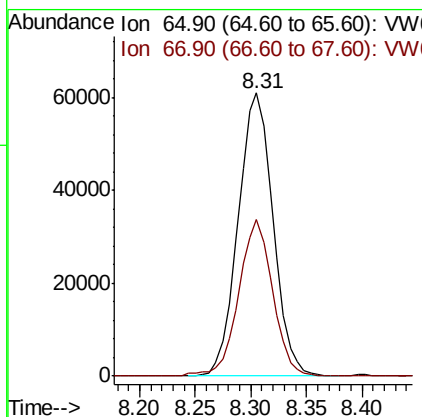
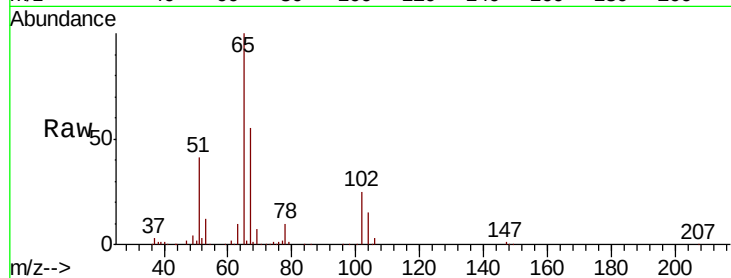




#33
 1,2-Dichloroethane-d4
 Concen: 52.368 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW013488.D
 Acq: 08 Oct 2019 15:53

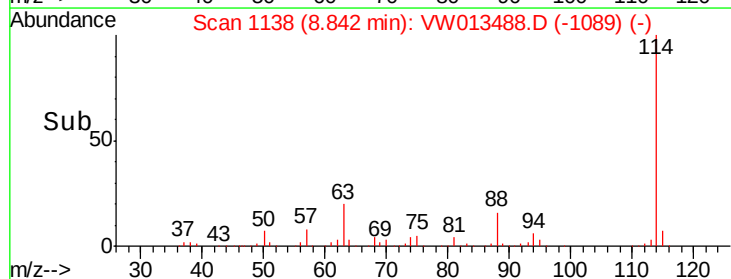
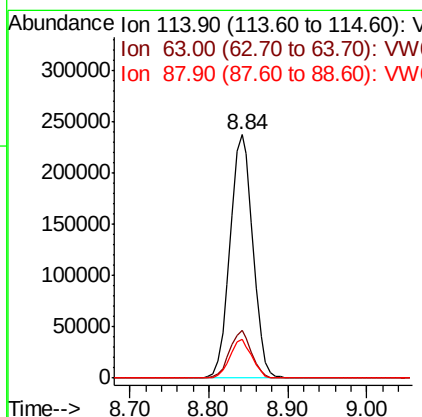
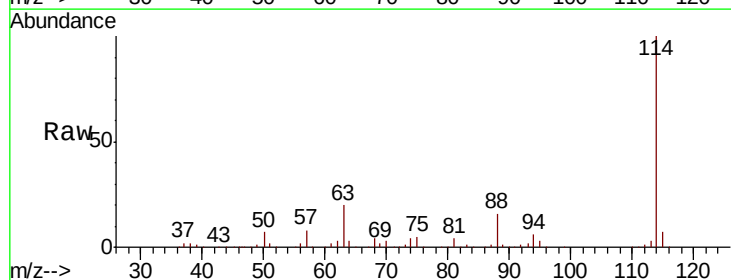
Instrument :
 MSVOA_W
 ClientSampleId :

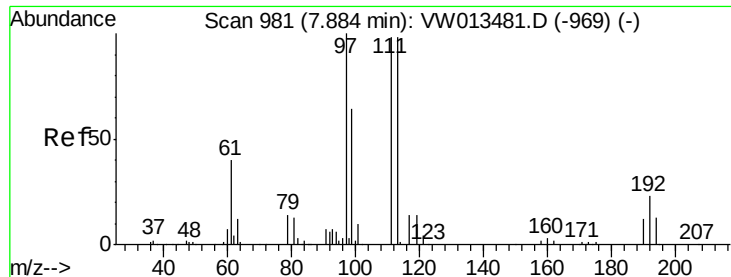
Tot Ion: 65 Resp: 132779
 Ion Ratio Lower Upper
 65 100
 67 53.8 0.0 109.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW013488.D
 Acq: 08 Oct 2019 15:53

Tgt Ion: 114 Resp: 474824
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 40.4
 88 15.8 0.0 31.4

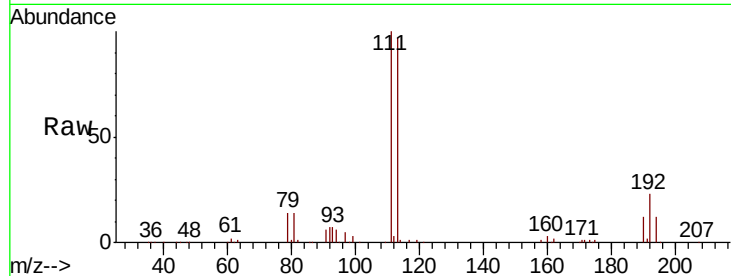




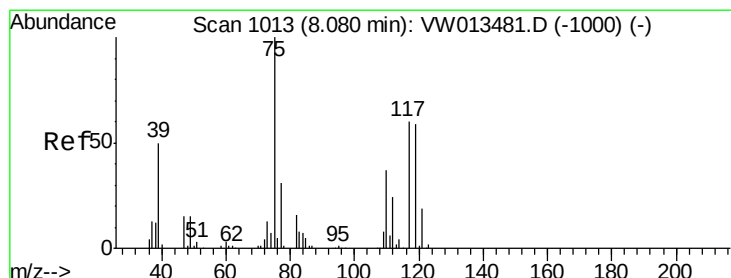
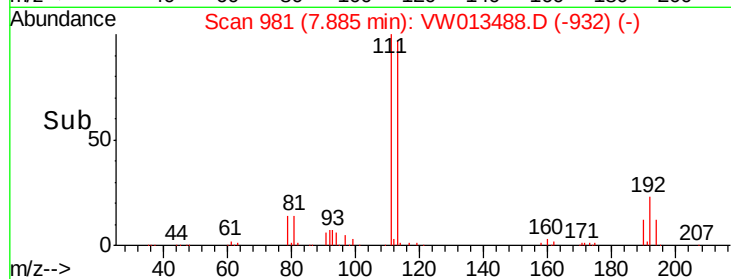
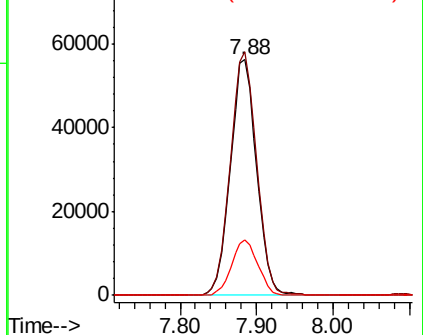
#35
 Dibromofluoromethane
 Concen: 50.146 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW013488.D
 Acq: 08 Oct 2019 15:53

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.6	82.3	123.5
192	23.7	19.3	28.9

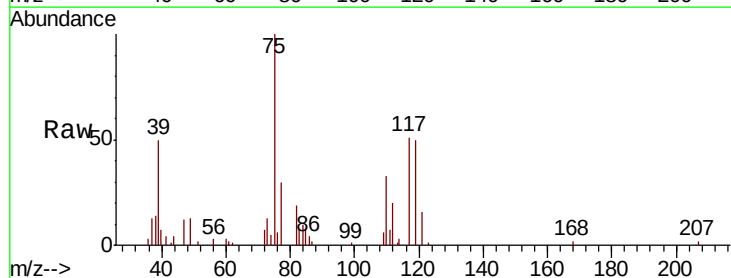


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

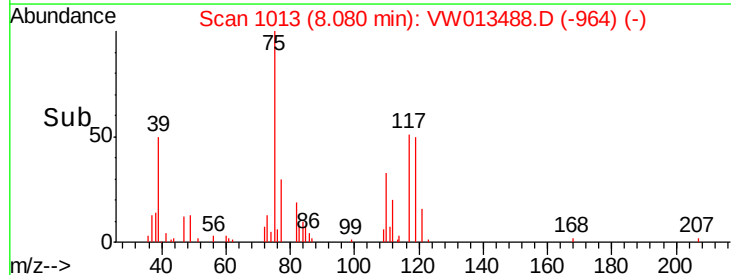
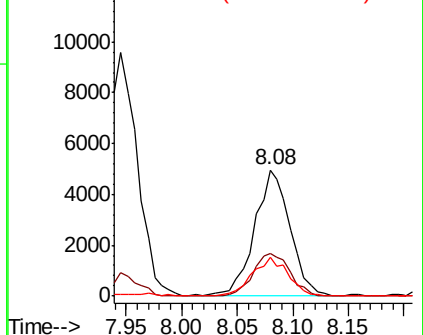


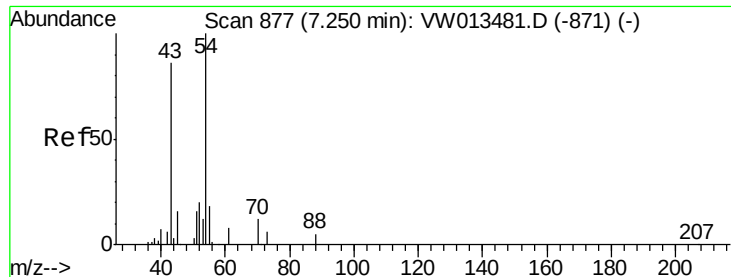
#36
 1,1-Dichloropropene
 Concen: 2.575 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: VW013488.D
 Acq: 08 Oct 2019 15:53

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.7	18.4	55.2
77	31.0	25.0	37.4



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

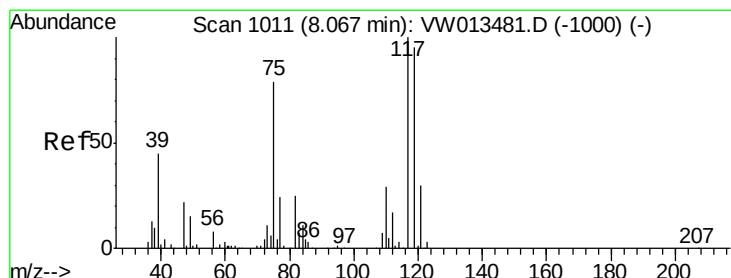
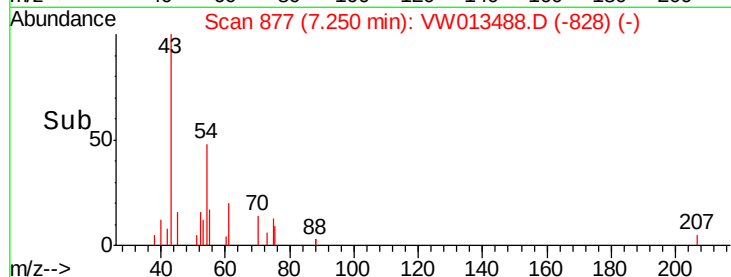
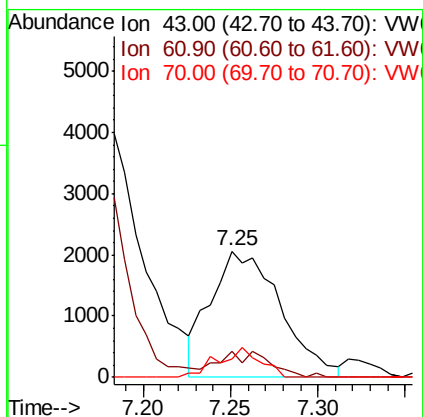
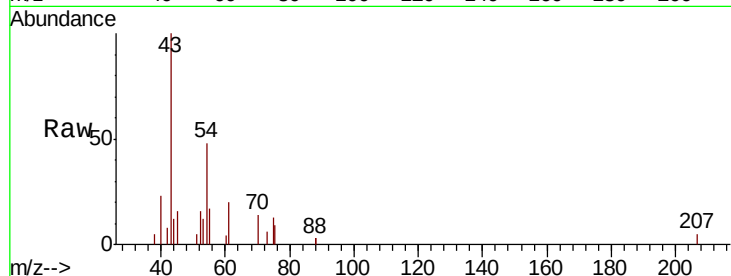




#37
Ethyl Acetate
Concen: 2.942 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW013488.D
Acq: 08 Oct 2019 15:53

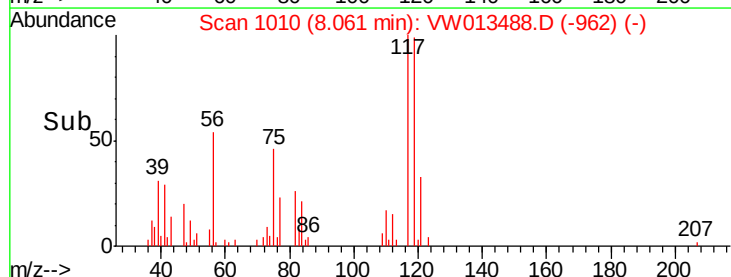
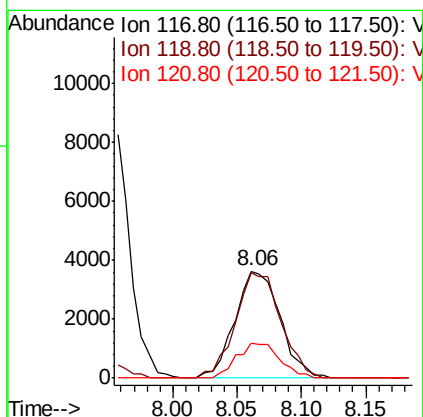
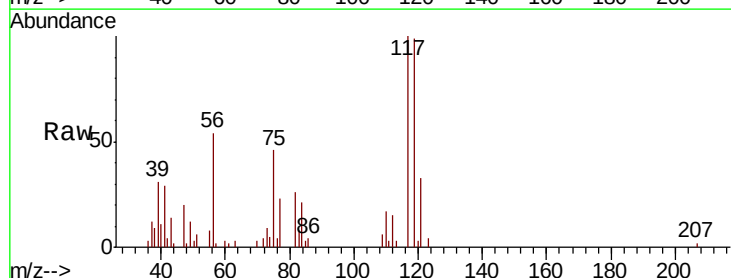
Instrument :
MSVOA_W
ClientSampled :

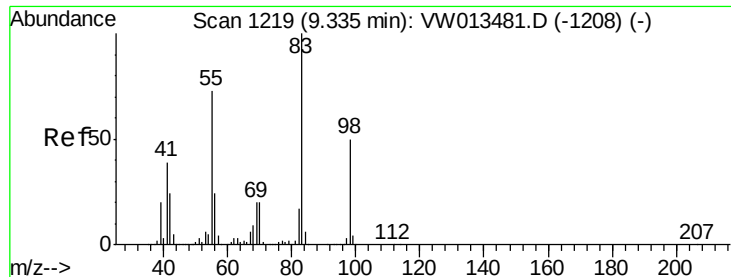
Tot Ion: 43 Resp: 5734
Ion Ratio Lower Upper
43 100
61 0.0 10.9 16.3#
70 14.2 9.2 13.8#



#38
Carbon Tetrachloride
Concen: 2.321 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW013488.D
Acq: 08 Oct 2019 15:53

Tgt Ion: 117 Resp: 8839
Ion Ratio Lower Upper
117 100
119 98.6 76.3 114.5
121 33.1 23.6 35.4

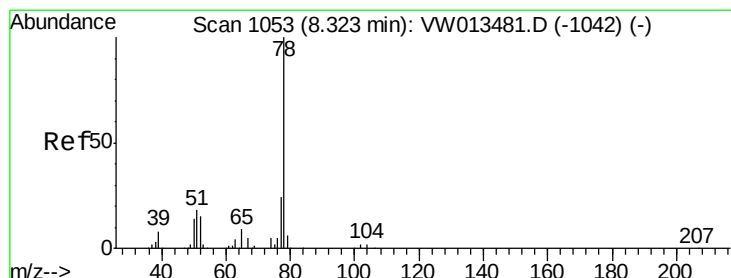
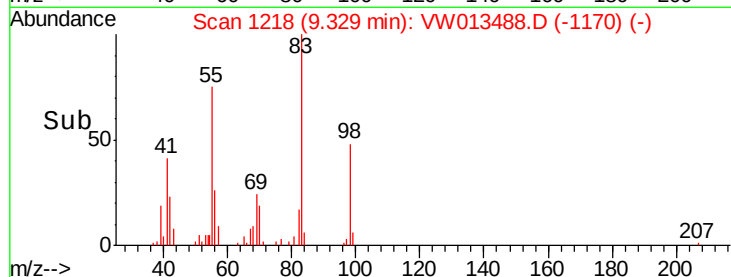
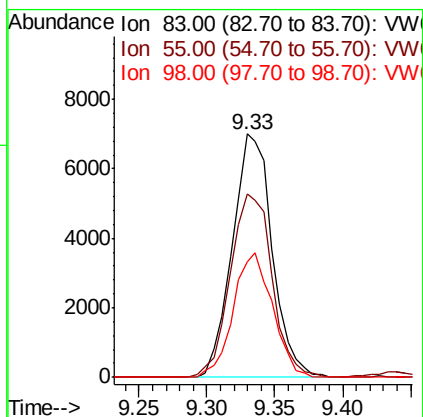
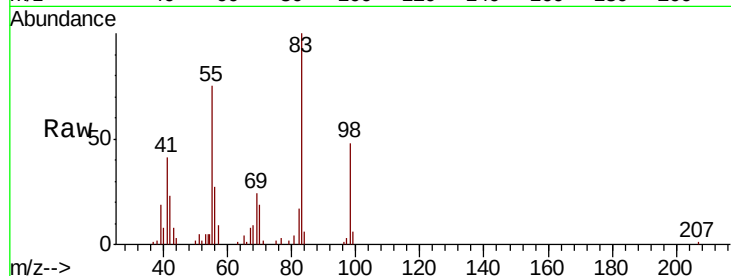




#39
Methylvlcyclohexane
Concen: 2.569 ug/l
RT: 9.33 min Scan# 1219
Delta R.T. -0.01 min
Lab File: VW013488.D
Acq: 08 Oct 2019 15:53

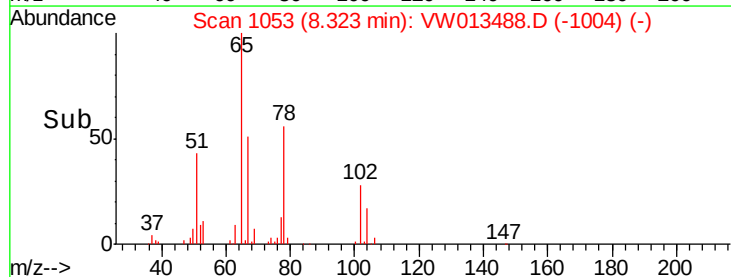
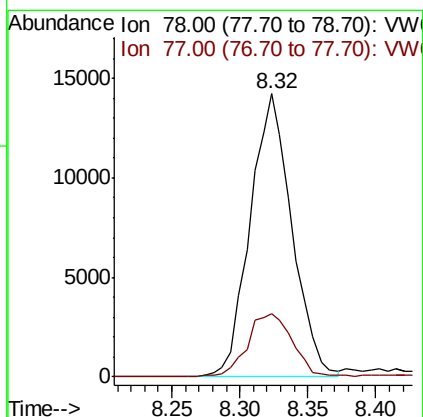
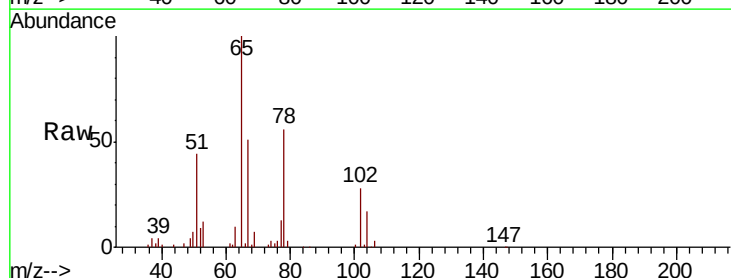
Instrument :
MSVOA_W
ClientSampled :

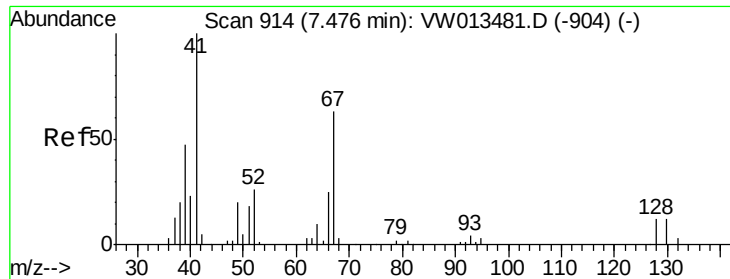
Tot Ion: 83 Resp: 14295
Ion Ratio Lower Upper
83 100
55 75.5 58.2 87.4
98 47.5 39.8 59.6



#40
Benzene
Concen: 2.549 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW013488.D
Acq: 08 Oct 2019 15:53

Tgt Ion: 78 Resp: 30561
Ion Ratio Lower Upper
78 100
77 22.4 19.2 28.8

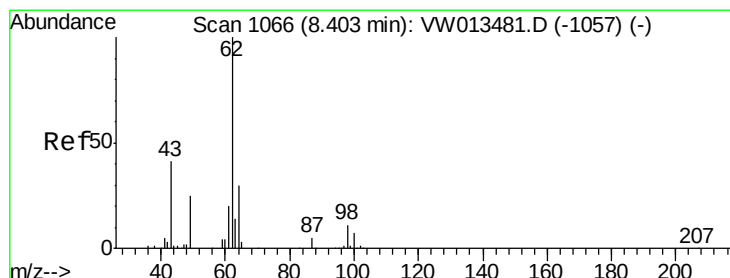
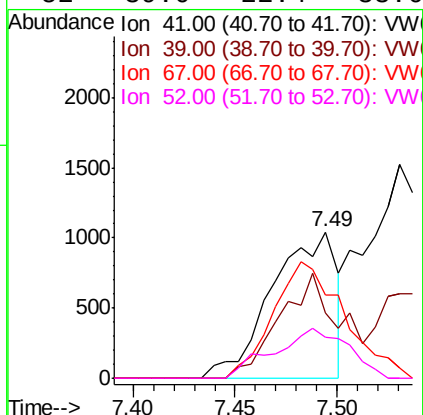
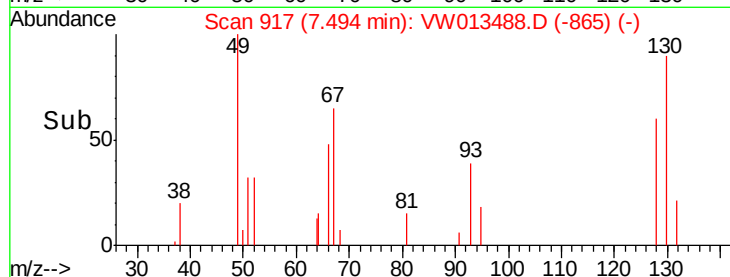
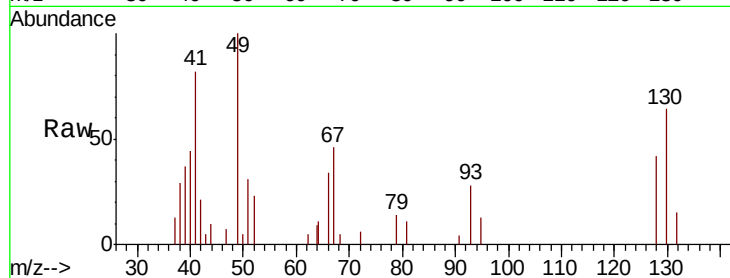




#41
Methacrylonitrile
Concen: 2.080 ug/l
RT: 7.49 min Scan# 917
Delta R.T. 0.02 min
Lab File: VW013488.D
Acq: 08 Oct 2019 15:53

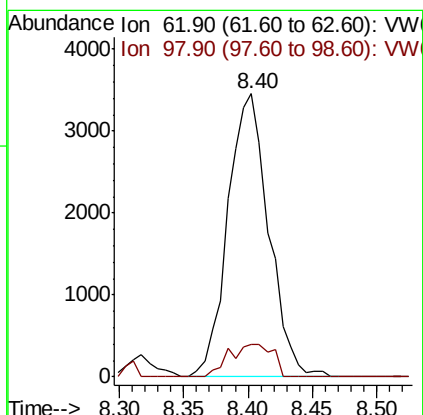
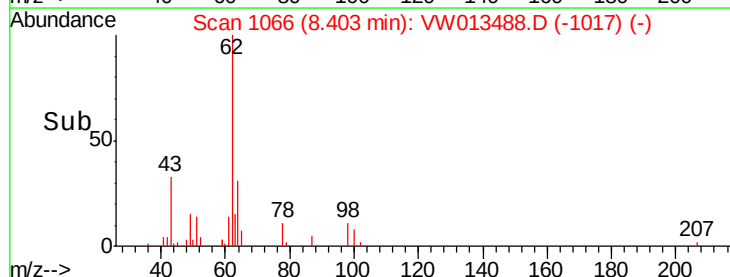
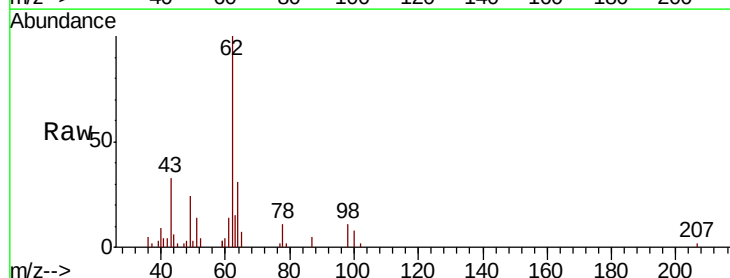
Instrument :
MSVOA_W
ClientSampled :

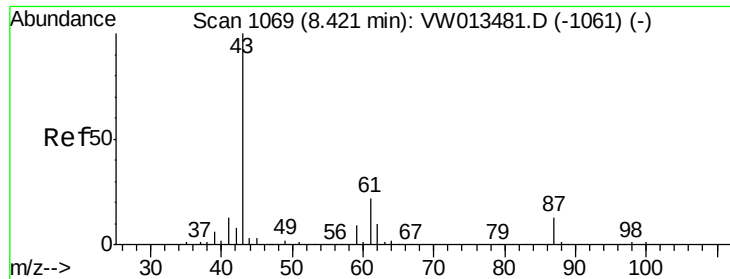
Tot Ion: 41 Resp: 2305
Ion Ratio Lower Upper
41 100
39 66.5 39.4 59.0#
67 88.5 57.0 85.6#
52 39.0 22.4 33.6#



#42
1,2-Dichloroethane
Concen: 2.524 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW013488.D
Acq: 08 Oct 2019 15:53

Tgt Ion: 62 Resp: 7648
Ion Ratio Lower Upper
62 100
98 12.4 0.0 21.4





#43

Isopropyl Acetate

Concen: 2.502 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW013488.D

Acq: 08 Oct 2019 15:53

Instrument :

MSVOA_W

ClientSampled :

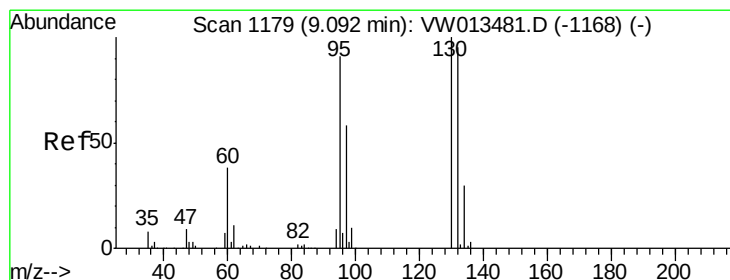
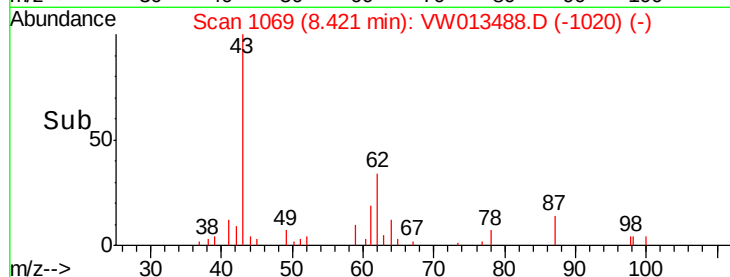
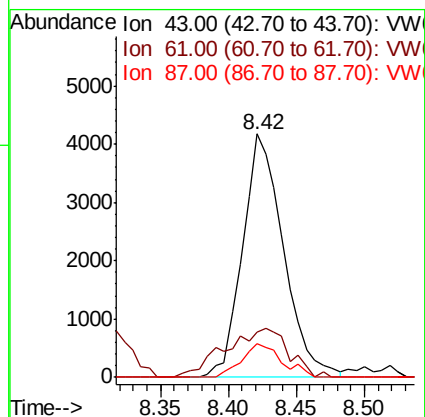
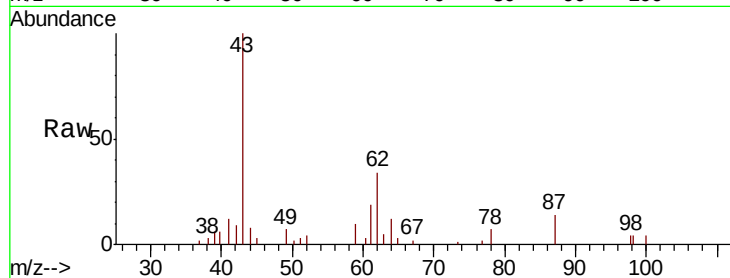
Tot Ion: 43 Resp: 8811

Ion Ratio Lower Upper

43 100

61 31.2 25.4 38.2

87 13.5 10.8 16.2



#44

Trichloroethene

Concen: 2.571 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW013488.D

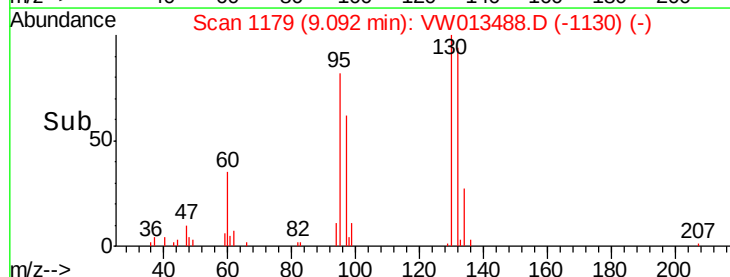
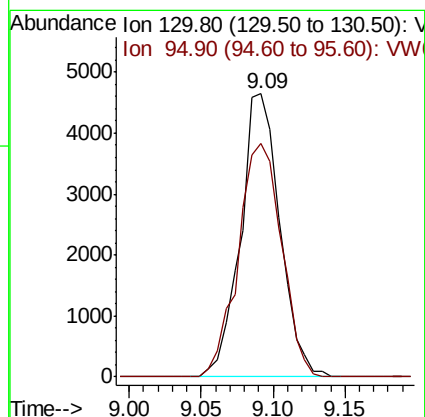
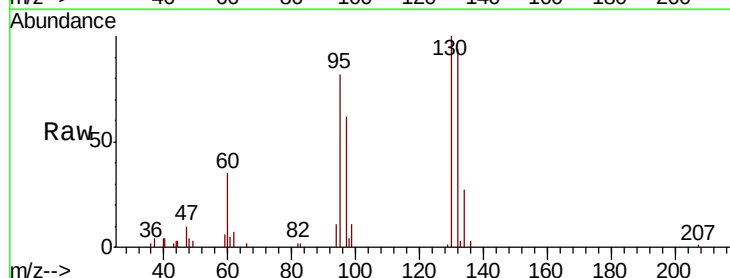
Acq: 08 Oct 2019 15:53

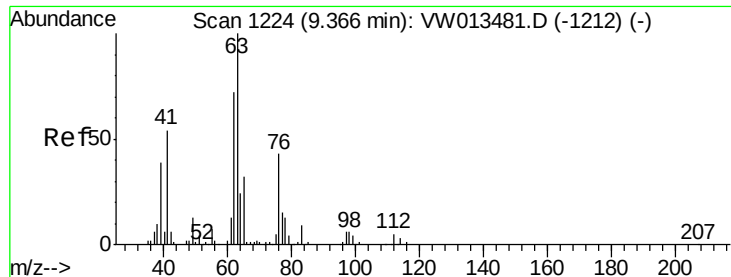
Tgt Ion: 130 Resp: 8794

Ion Ratio Lower Upper

130 100

95 82.4 0.0 182.2





#45

1,2-Dichloropropane

Concen: 2.450 ug/l

RT: 9.37 min Scan# 1225

Delta R.T. 0.01 min

Lab File: VW013488.D

Acq: 08 Oct 2019 15:53

Instrument :

MSVOA_W

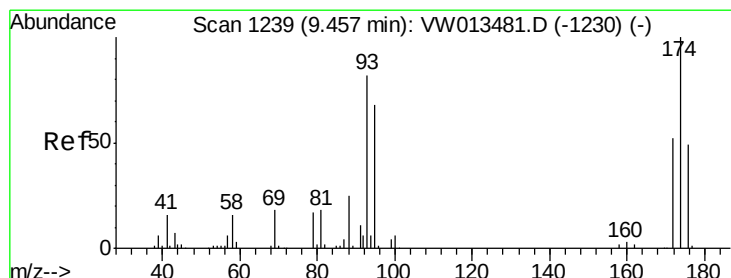
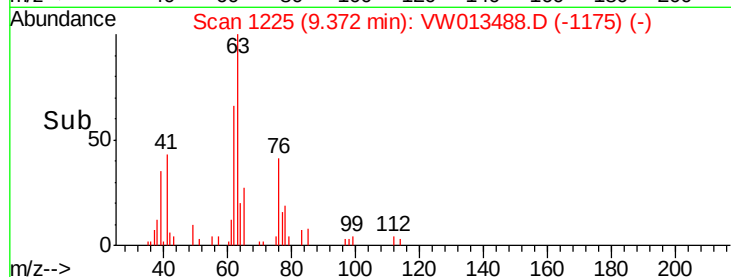
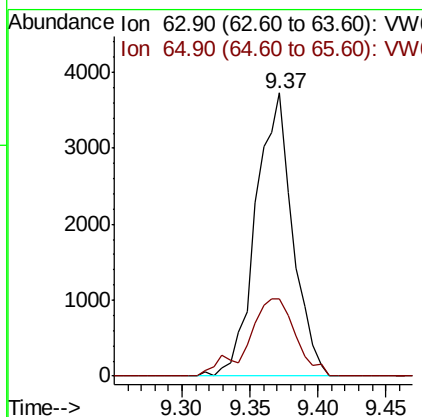
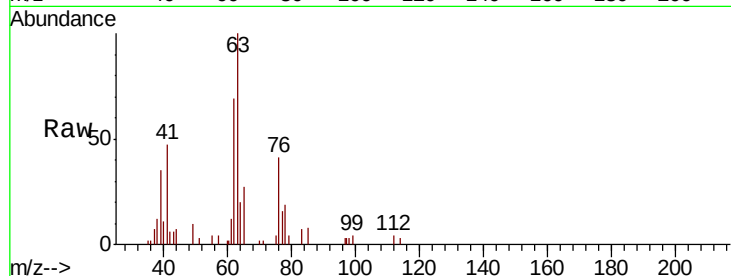
ClientSampleId :

Tot Ion: 63 Resp: 7051

Ion Ratio Lower Upper

63 100

65 27.3 25.8 38.6



#46

Dibromomethane

Concen: 2.412 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VW013488.D

Acq: 08 Oct 2019 15:53

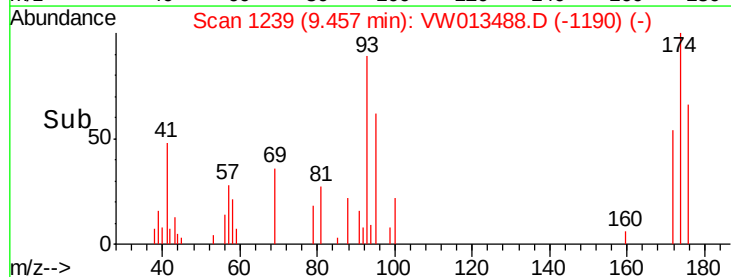
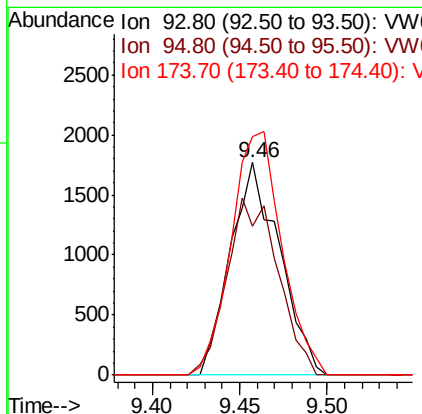
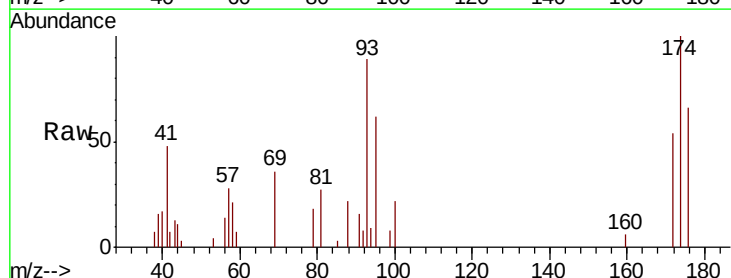
Tgt Ion: 93 Resp: 3458

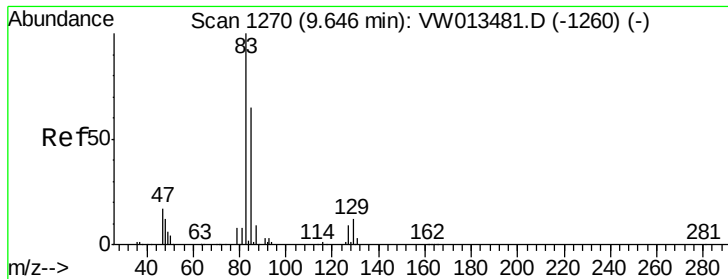
Ion Ratio Lower Upper

93 100

95 86.4 68.0 102.0

174 118.2 97.0 145.6

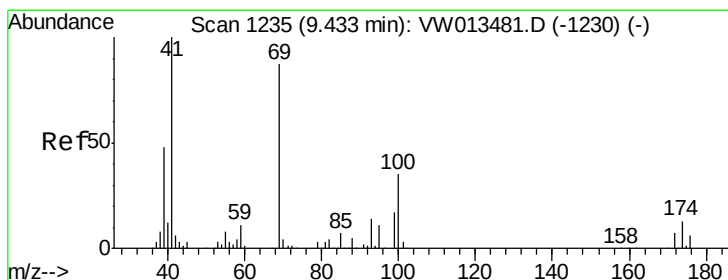
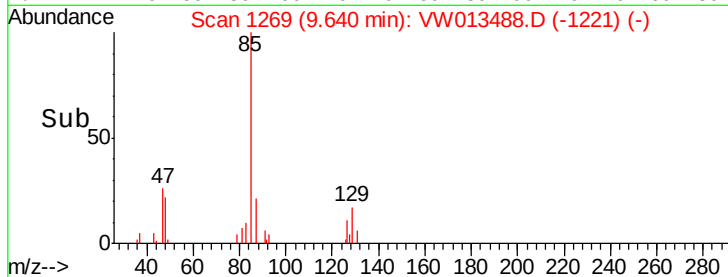
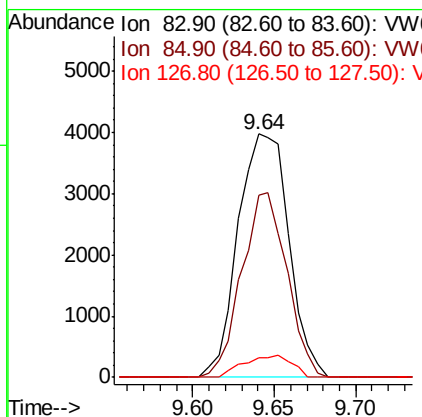
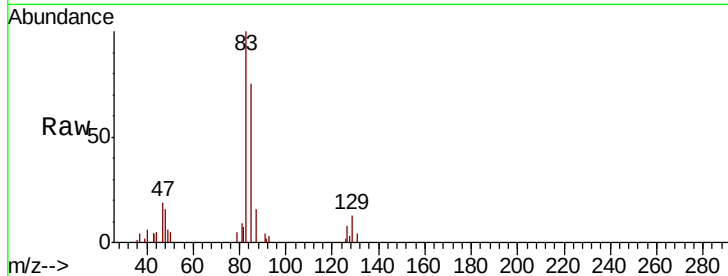




#47
 Bromodichloromethane
 Concen: 2.411 ug/l
 RT: 9.64 min Scan# 1269
 Delta R.T. -0.01 min
 Lab File: VW013488.D
 Acq: 08 Oct 2019 15:53

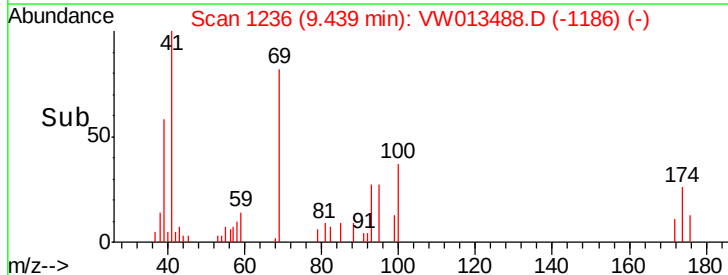
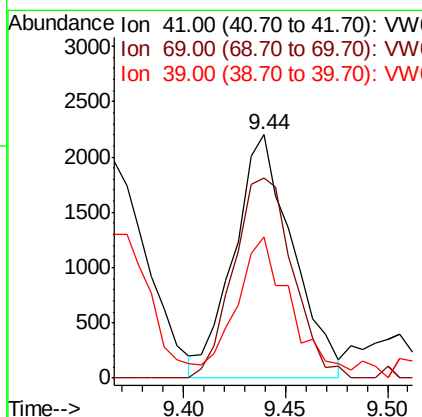
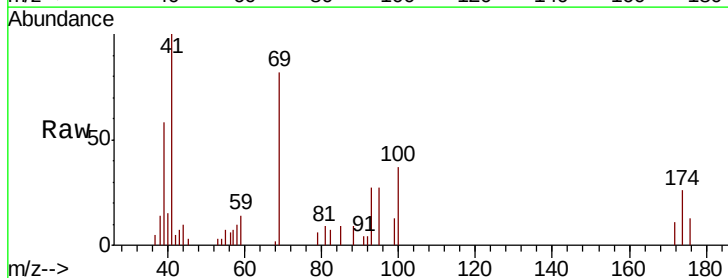
Instrument :
 MSVOA_W
 ClientSampled :

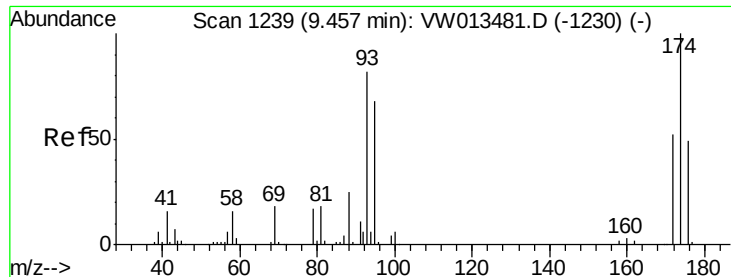
Tot Ion: 83 Resp: 8592
 Ion Ratio Lower Upper
 83 100
 85 74.6 51.9 77.9
 127 8.0 7.4 11.2



#48
 Methyl methacrylate
 Concen: 2.546 ug/l
 RT: 9.44 min Scan# 1236
 Delta R.T. 0.01 min
 Lab File: VW013488.D
 Acq: 08 Oct 2019 15:53

Tgt Ion: 41 Resp: 4416
 Ion Ratio Lower Upper
 41 100
 69 82.6 70.4 105.6
 39 45.7 37.3 55.9

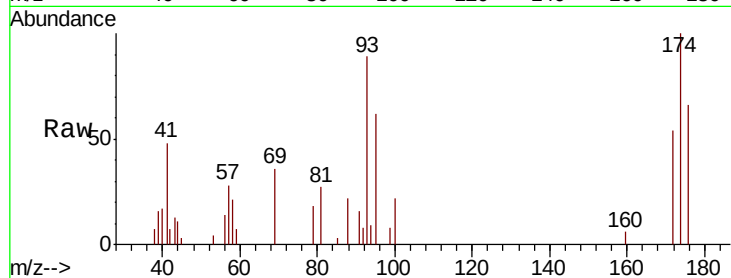




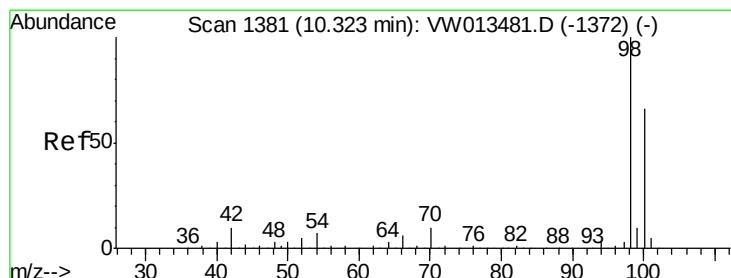
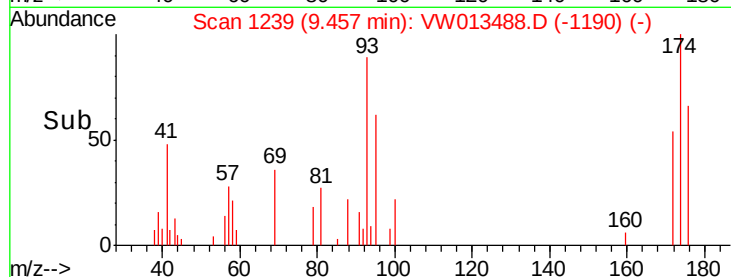
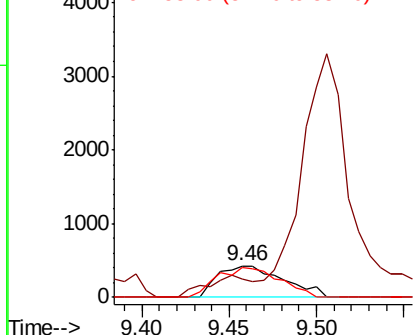
#49
 1,4-Dioxane
 Concen: 44.966 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW013488.D
 Acq: 08 Oct 2019 15:53

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion: 88 Resp: 1132
 Ion Ratio Lower Upper
 88 100
 43 45.8 0.0 0.0#
 58 89.6 60.0 90.0

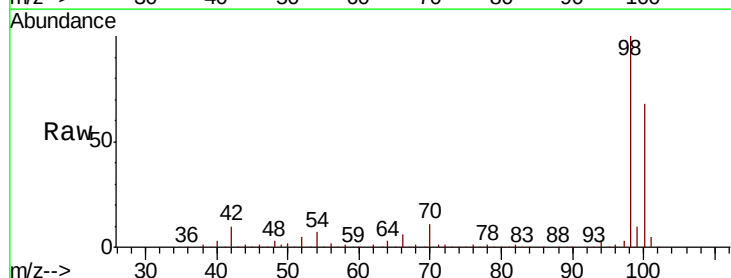


Abundance Ion 88.00 (87.70 to 88.70): VW
 Ion 43.00 (42.70 to 43.70): VW
 Ion 58.00 (57.70 to 58.70): VW

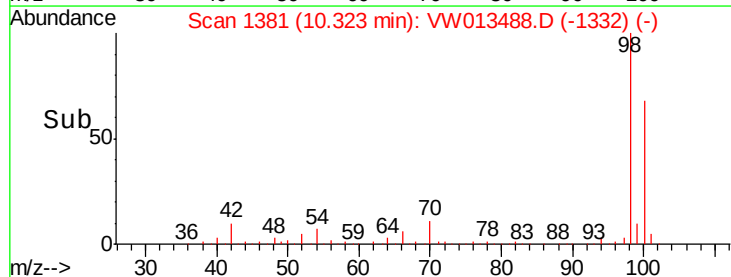
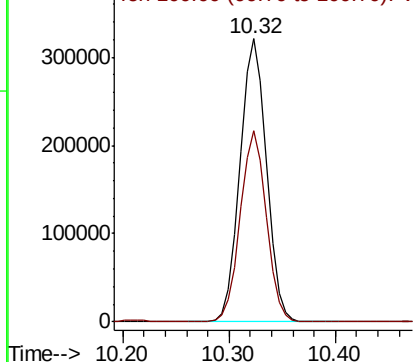


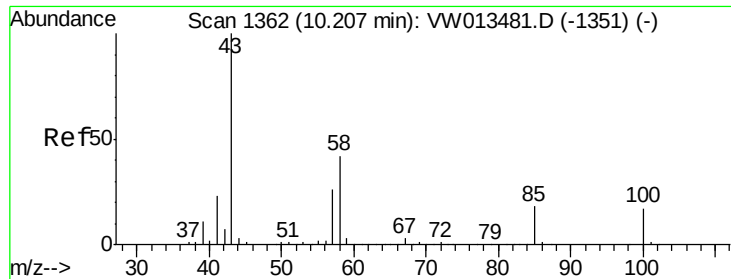
#50
 Toluene-d8
 Concen: 50.501 ug/l
 RT: 10.32 min Scan# 1381
 Delta R.T. 0.00 min
 Lab File: VW013488.D
 Acq: 08 Oct 2019 15:53

Tgt Ion: 98 Resp: 562823
 Ion Ratio Lower Upper
 98 100
 100 66.6 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: 13.329 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW013488.D

Acq: 08 Oct 2019 15:53

Instrument :

MSVOA_W

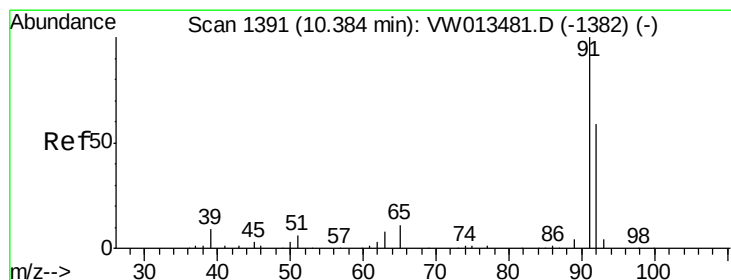
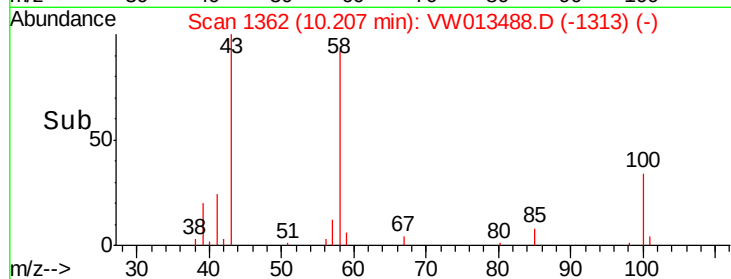
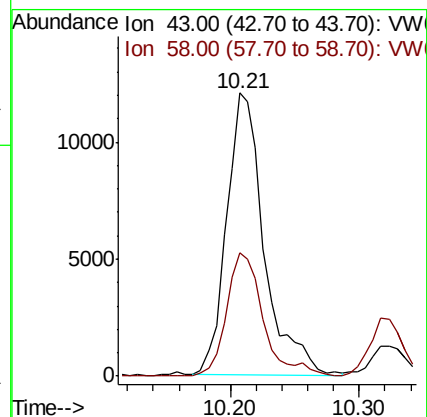
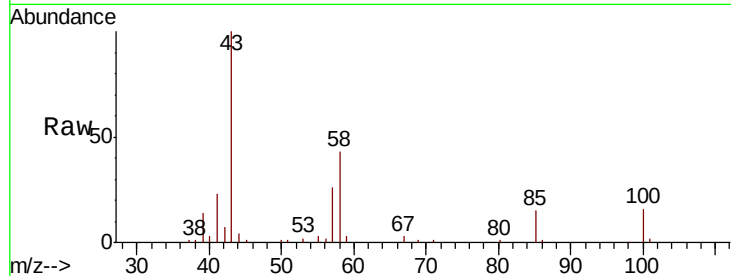
ClientSampleId :

Tot Ion: 43 Resp: 24673

Ion Ratio Lower Upper

43 100

58 42.5 32.8 49.2



#52

Toluene

Concen: 2.535 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW013488.D

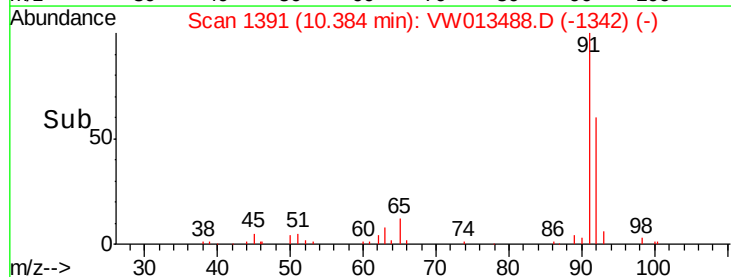
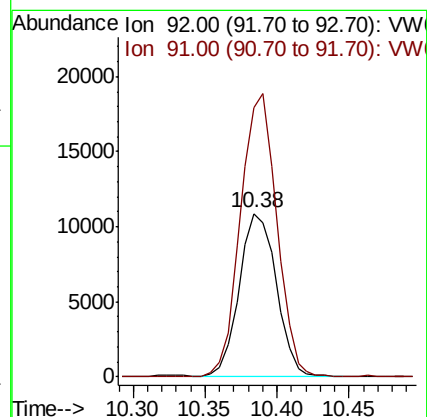
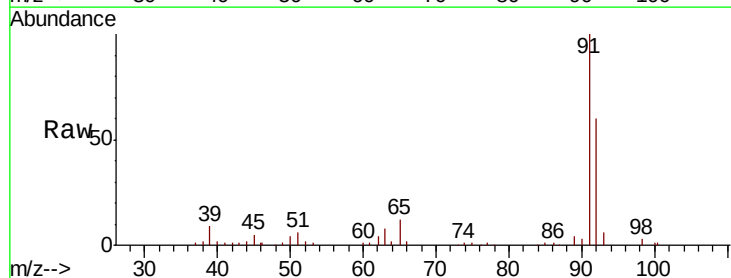
Acq: 08 Oct 2019 15:53

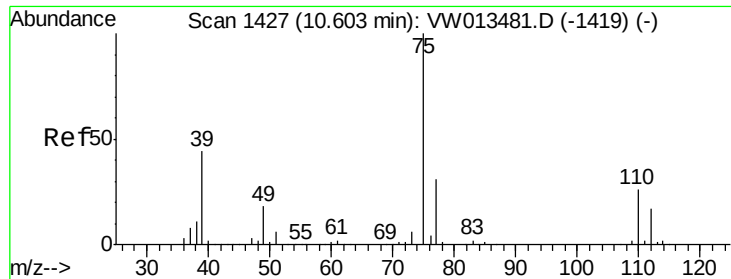
Tgt Ion: 92 Resp: 19582

Ion Ratio Lower Upper

92 100

91 169.1 134.8 202.2

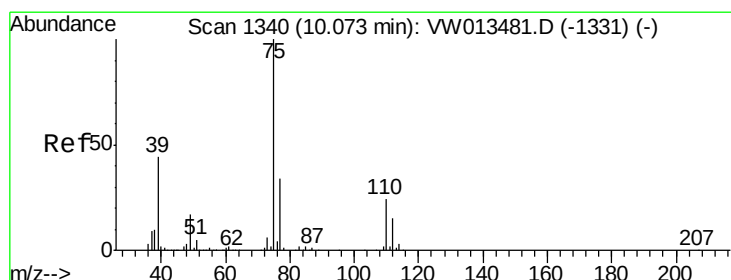
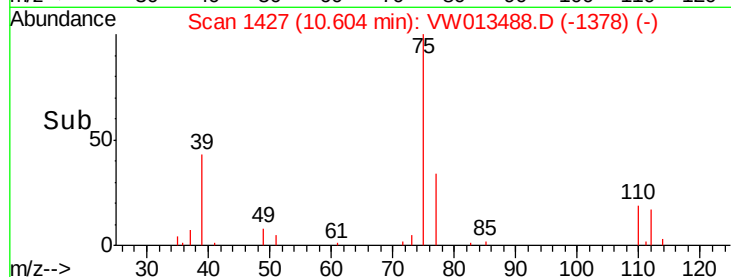
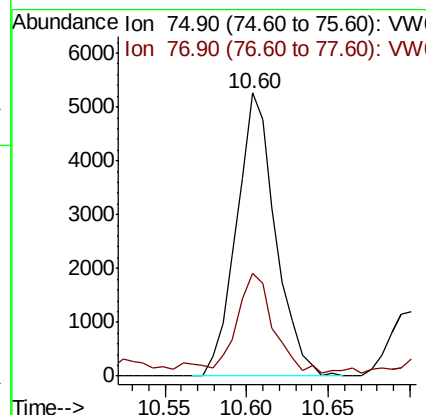
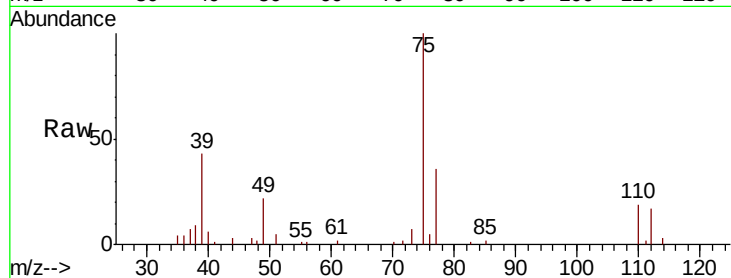




#53
 t-1,3-Dichloropropene
 Concen: 2.356 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. 0.00 min
 Lab File: VW013488.D
 Acq: 08 Oct 2019 15:53

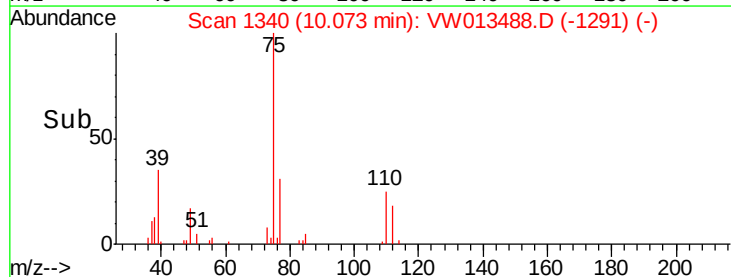
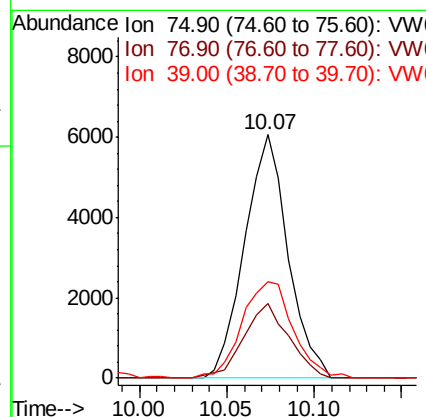
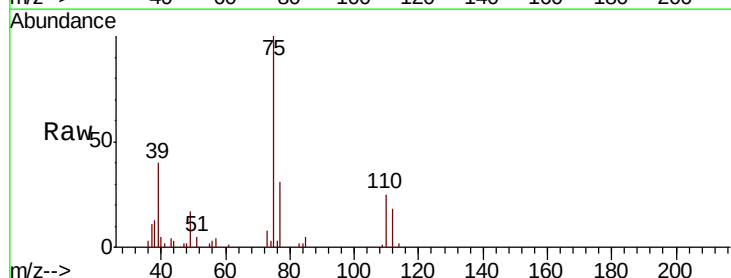
Instrument :
 MSVOA_W
 ClientSampled :

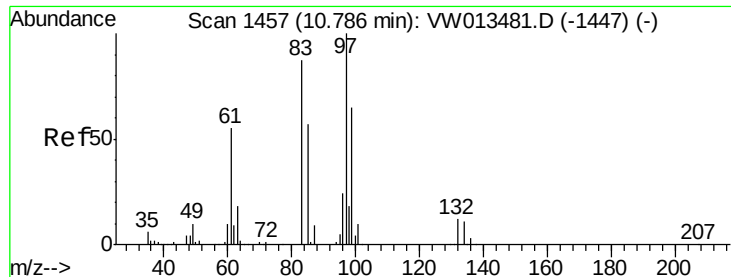
Tot Ion: 75 Resp: 8725
 Ion Ratio Lower Upper
 75 100
 77 34.1 25.2 37.8



#54
 cis-1,3-Dichloropropene
 Concen: 2.330 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VW013488.D
 Acq: 08 Oct 2019 15:53

Tgt Ion: 75 Resp: 10454
 Ion Ratio Lower Upper
 75 100
 77 30.7 27.0 40.4
 39 39.6 35.0 52.4

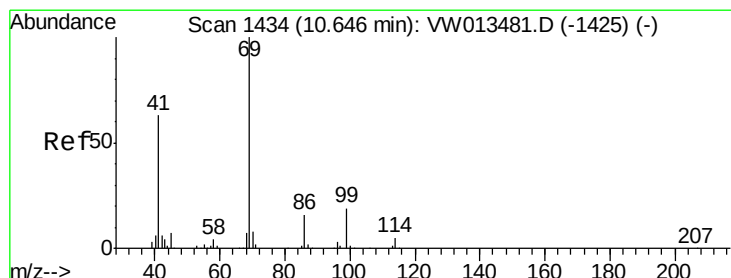
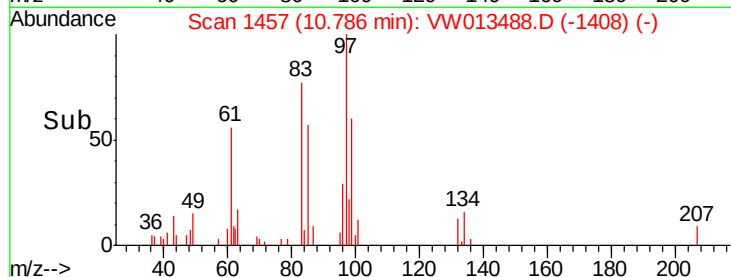
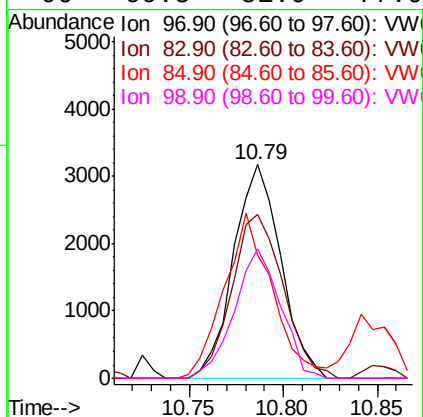
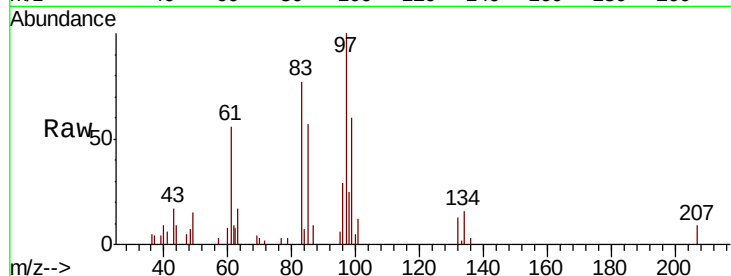




#55
 1,1,2-Trichloroethane
 Concen: 2.572 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW013488.D
 Acq: 08 Oct 2019 15:53

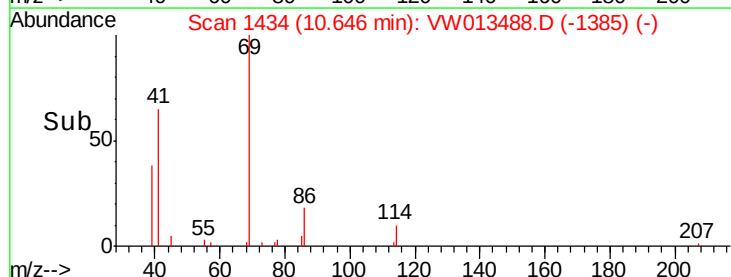
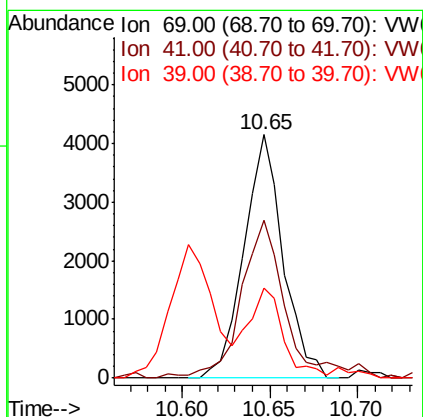
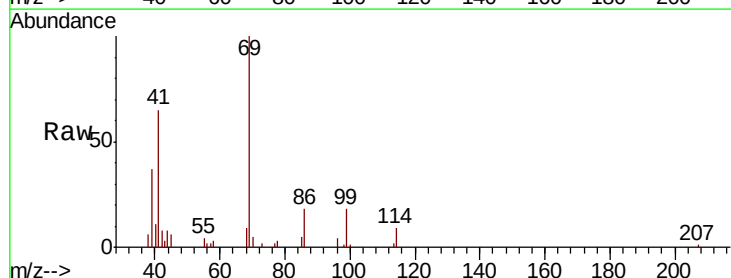
Instrument :
 MSVOA_W
 ClientSampled :

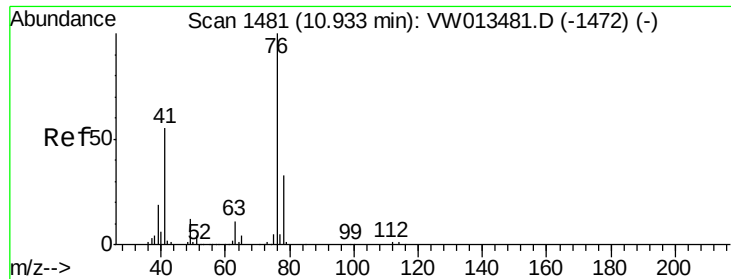
Tot Ion:	97	Resp:	5534
Ion	Ratio	Lower	Upper
97	100		
83	77.0	69.8	104.8
85	55.8	45.4	68.0
99	60.5	51.9	77.9



#56
 Ethyl methacrylate
 Concen: 2.216 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW013488.D
 Acq: 08 Oct 2019 15:53

Tgt Ion:	69	Resp:	6424
Ion	Ratio	Lower	Upper
69	100		
41	74.4	51.8	77.6
39	33.7	21.7	32.5#

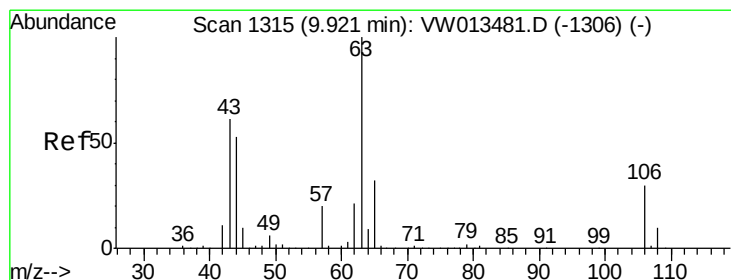
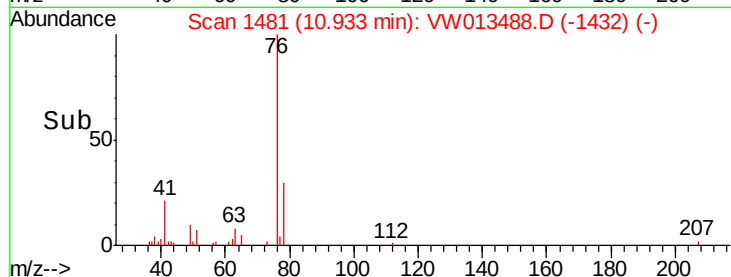
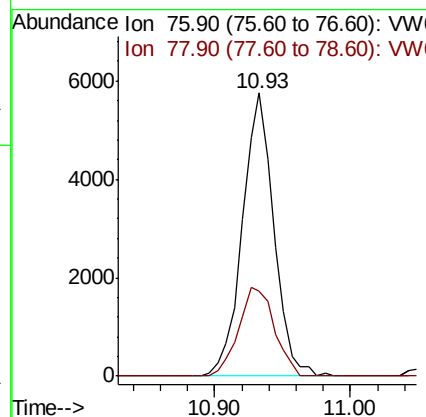
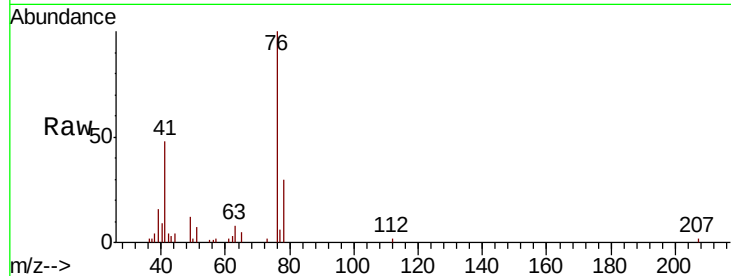




#57
 1,3-Dichloropropane
 Concen: 2.502 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW013488.D
 Acq: 08 Oct 2019 15:53

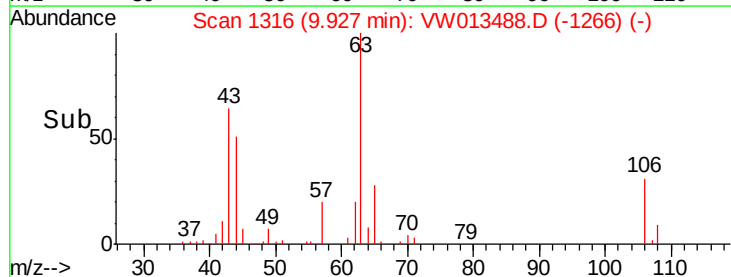
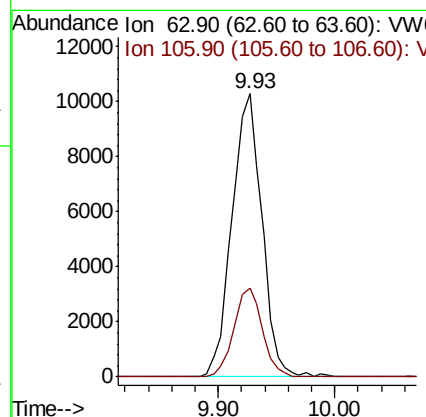
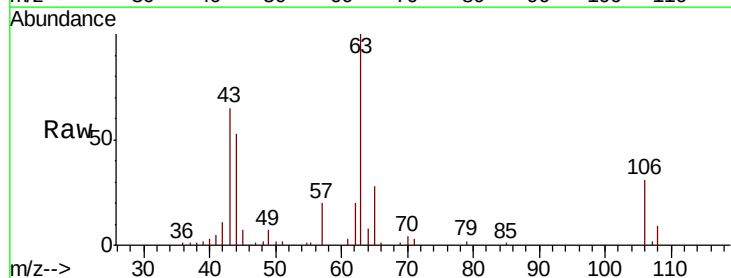
Instrument :
 MSVOA_W
 ClientSampleId :

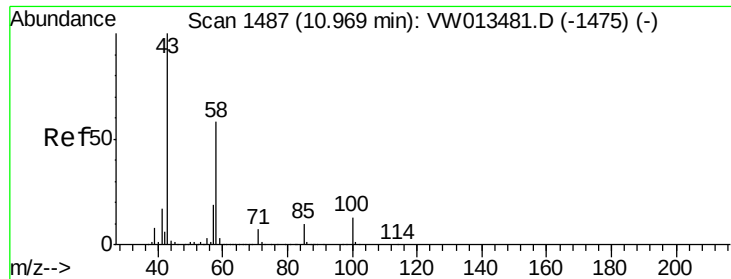
Tot Ion: 76 Resp: 9247
 Ion Ratio Lower Upper
 76 100
 78 35.7 25.9 38.9



#58
 2-Chloroethyl Vinyl ether
 Concen: 13.477 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.01 min
 Lab File: VW013488.D
 Acq: 08 Oct 2019 15:53

Tgt Ion: 63 Resp: 18428
 Ion Ratio Lower Upper
 63 100
 106 29.7 24.5 36.7

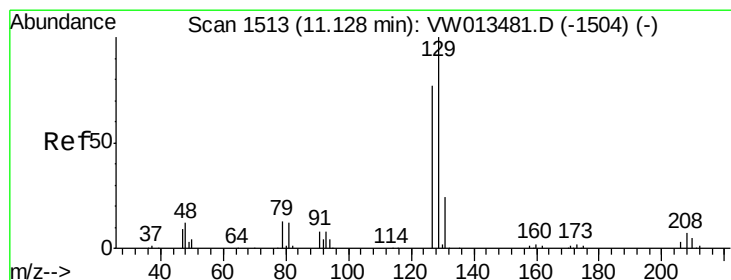
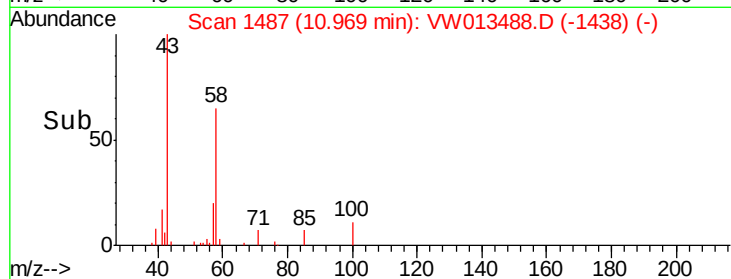
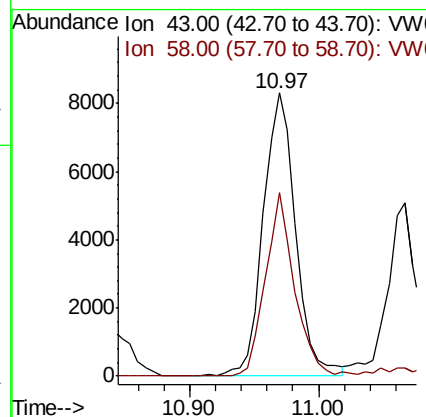
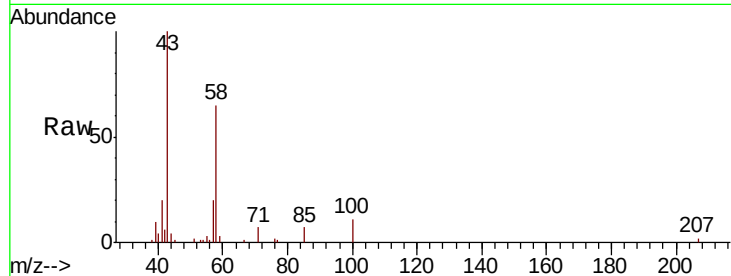




#59
2-Hexanone
Concen: 11.363 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW013488.D
Acq: 08 Oct 2019 15:53

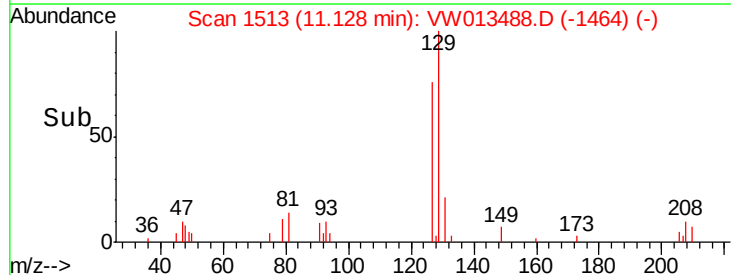
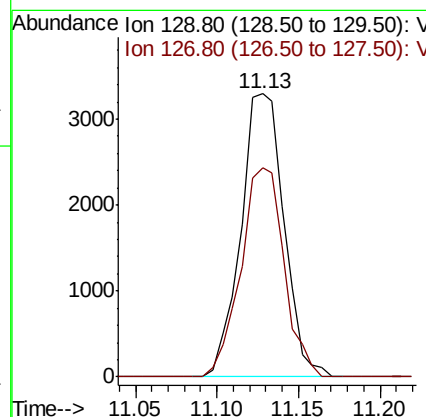
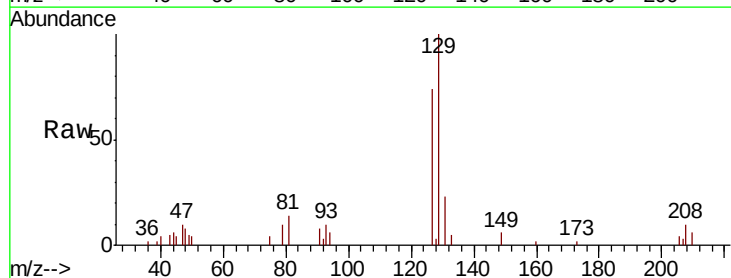
Instrument :
MSVOA_W
ClientSampleId :

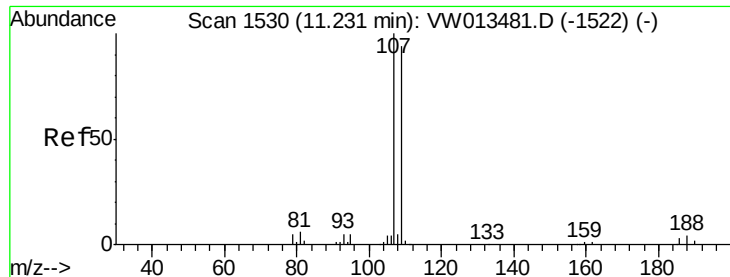
Tot Ion: 43 Resp: 14424
Ion Ratio Lower Upper
43 100
58 58.6 28.4 85.2



#60
Dibromochloromethane
Concen: 2.447 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW013488.D
Acq: 08 Oct 2019 15:53

Tgt Ion: 129 Resp: 6057
Ion Ratio Lower Upper
129 100
127 74.3 37.4 112.1

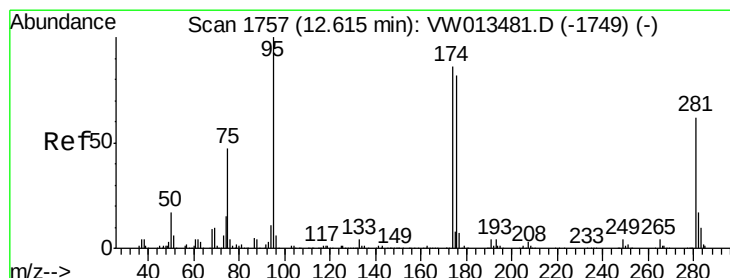
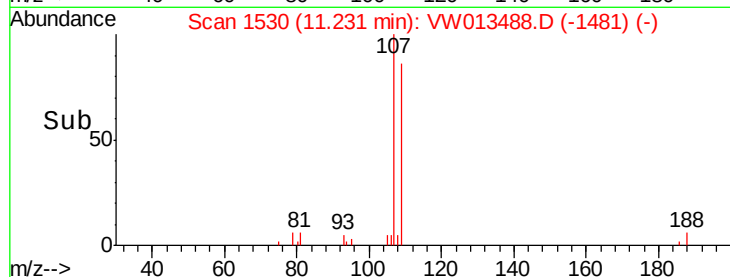
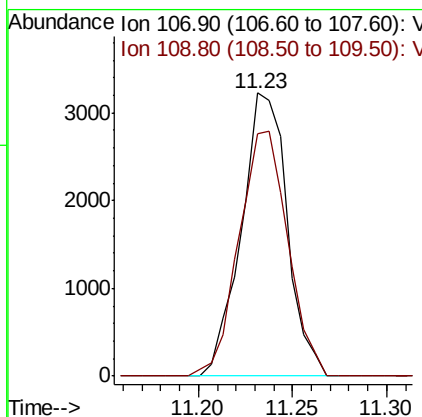
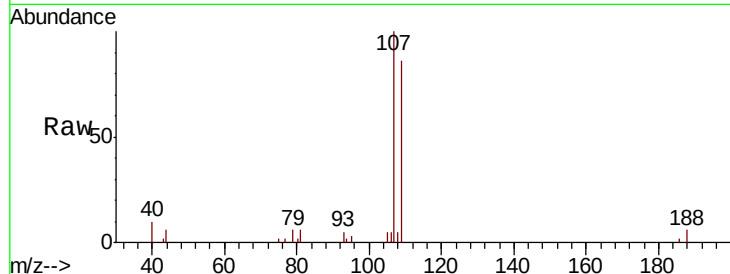




#61
 1,2-Dibromoethane
 Concen: 2.657 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. 0.00 min
 Lab File: VW013488.D
 Acq: 08 Oct 2019 15:53

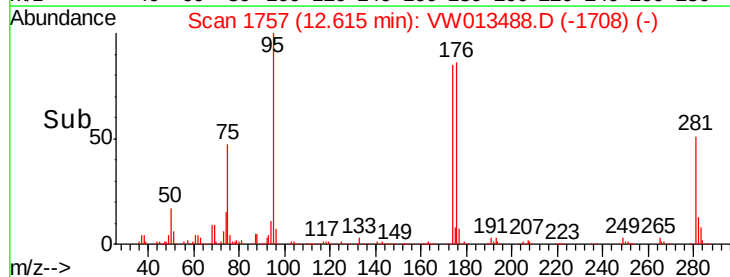
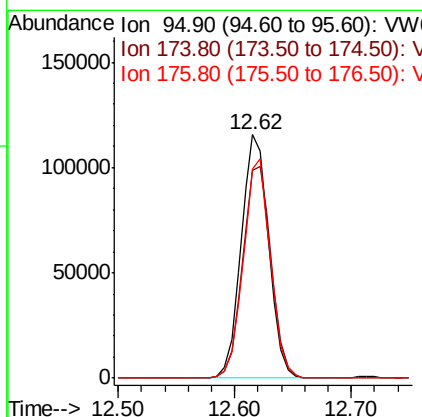
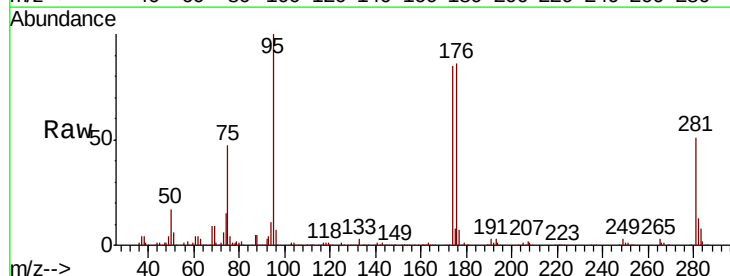
Instrument :
 MSVOA_W
 ClientSampleId :

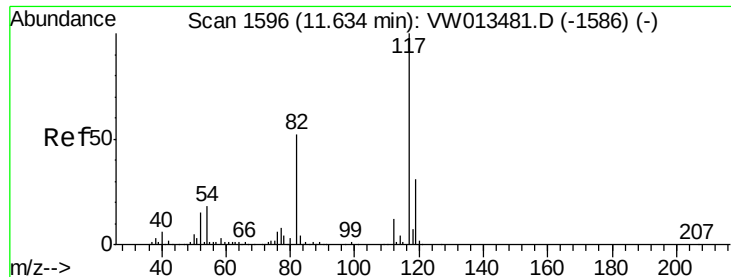
Tot Ion: 107 Resp: 5439
 Ion Ratio Lower Upper
 107 100
 109 92.2 76.6 115.0



#62
 4-Bromofluorobenzene
 Concen: 50.718 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.00 min
 Lab File: VW013488.D
 Acq: 08 Oct 2019 15:53

Tgt Ion: 95 Resp: 189882
 Ion Ratio Lower Upper
 95 100
 174 90.3 0.0 177.4
 176 88.7 0.0 173.4

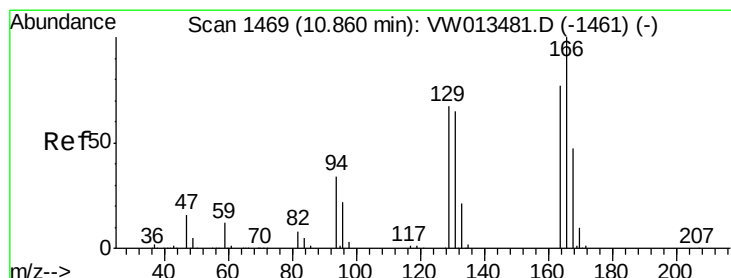
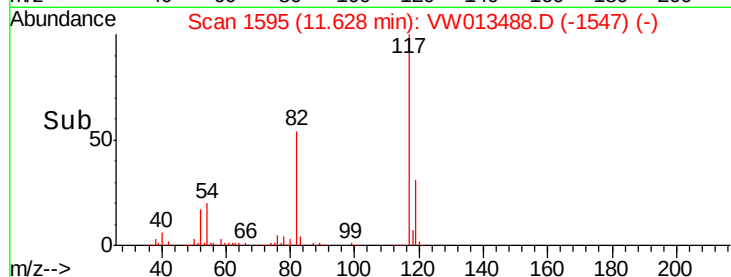
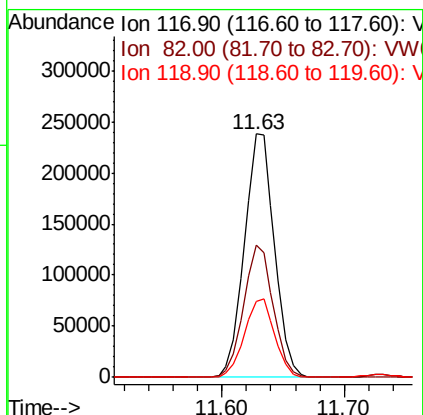
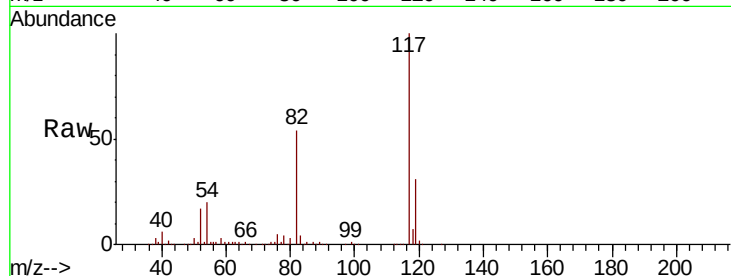




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW013488.D
Acq: 08 Oct 2019 15:53

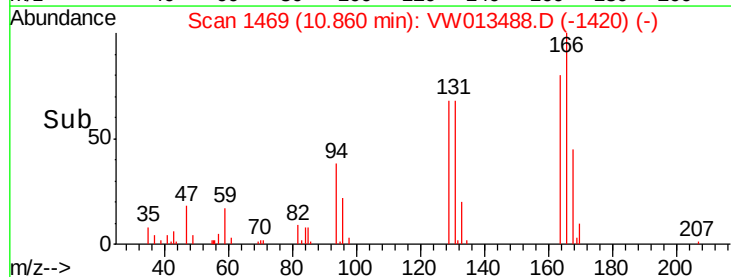
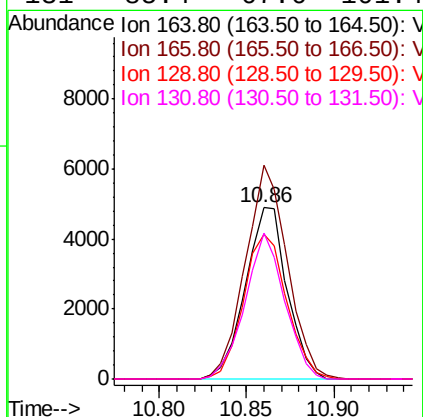
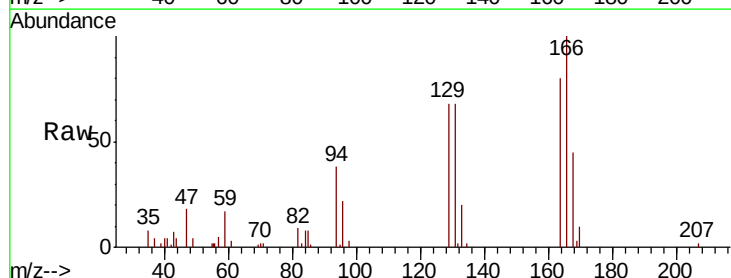
Instrument :
MSVOA_W
ClientSampled :

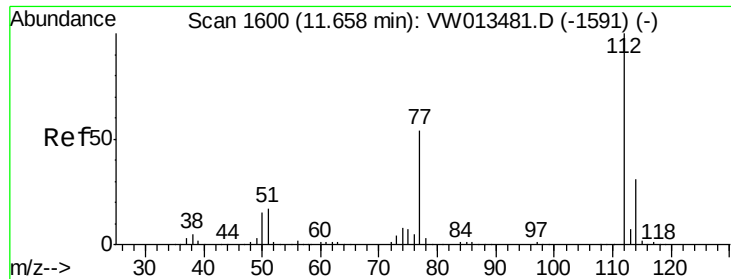
Tot Ion	Ratio	Lower	Upper
117	100		
82	54.4	41.4	62.2
119	31.3	25.1	37.7



#64
Tetrachloroethene
Concen: 2.712 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW013488.D
Acq: 08 Oct 2019 15:53

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.0	104.6	156.8
129	84.6	70.2	105.2
131	85.4	67.6	101.4

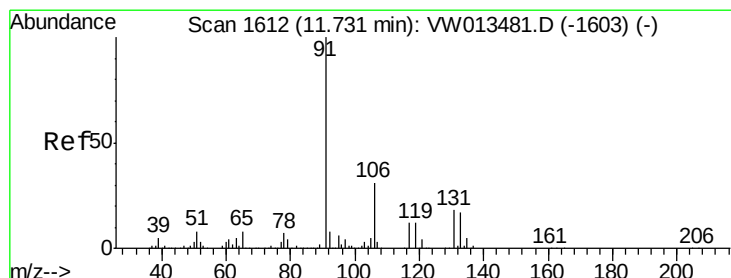
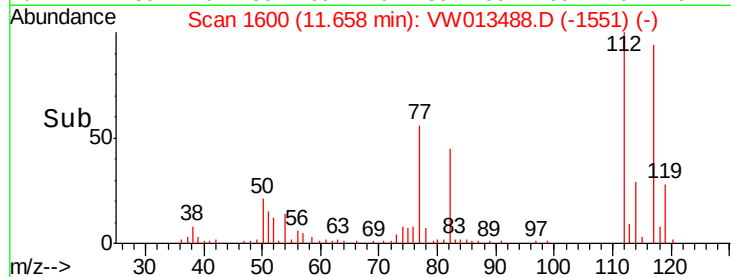
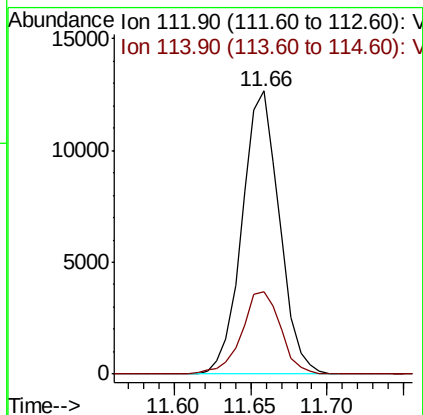
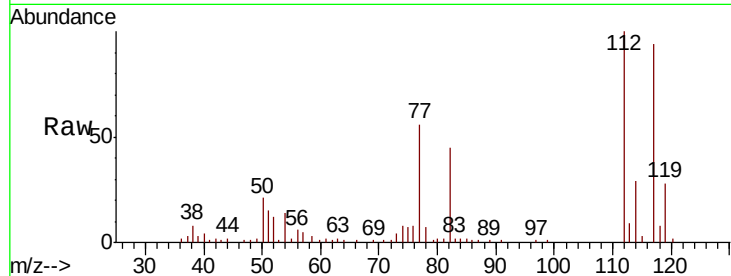




#65
Chlorobenzene
Concen: 2.648 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW013488.D
Acq: 08 Oct 2019 15:53

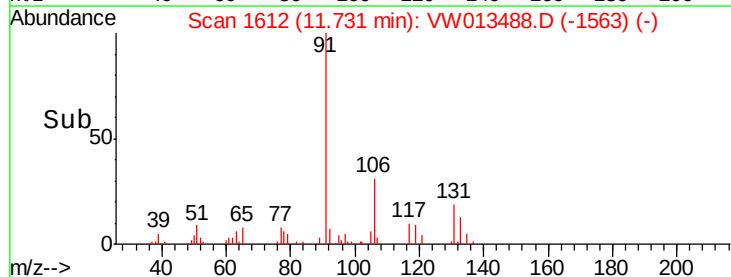
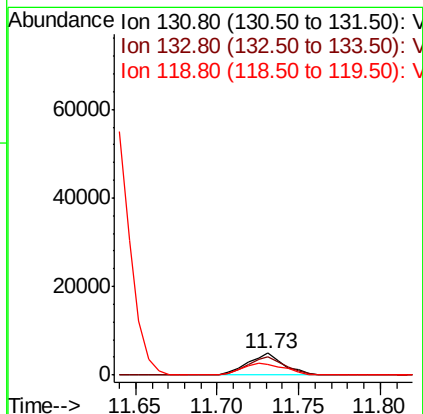
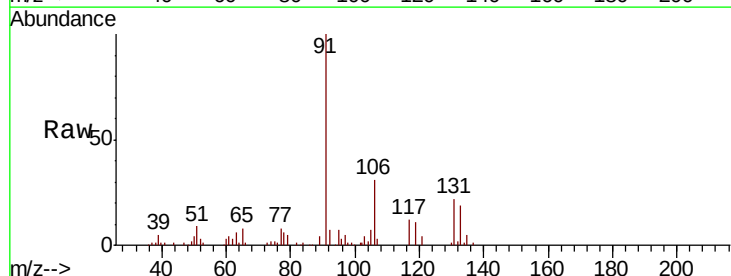
Instrument :
MSVOA_W
ClientSampled :

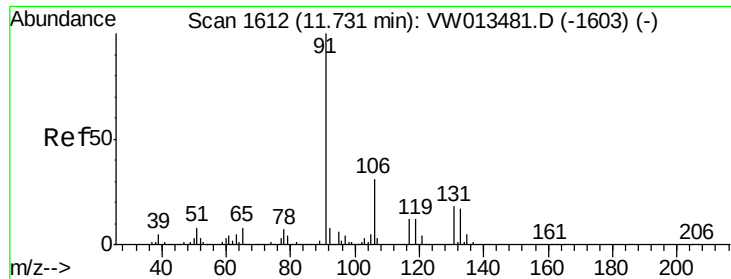
Tot Ion:112 Resp: 21413
Ion Ratio Lower Upper
112 100
114 29.3 24.6 37.0



#66
1,1,1,2-Tetrachloroethane
Concen: 2.689 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW013488.D
Acq: 08 Oct 2019 15:53

Tgt Ion:131 Resp: 7555
Ion Ratio Lower Upper
131 100
133 89.6 47.6 142.9
119 64.4 32.6 98.0

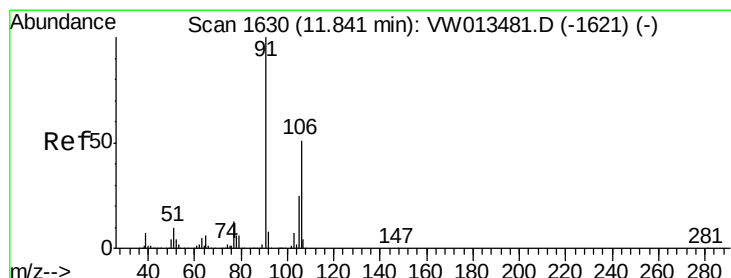
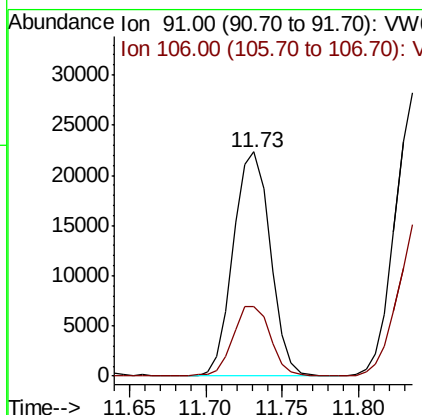
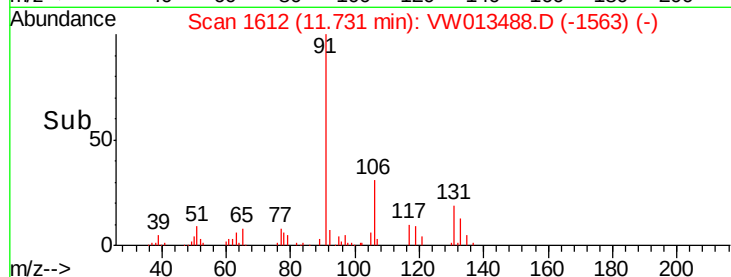
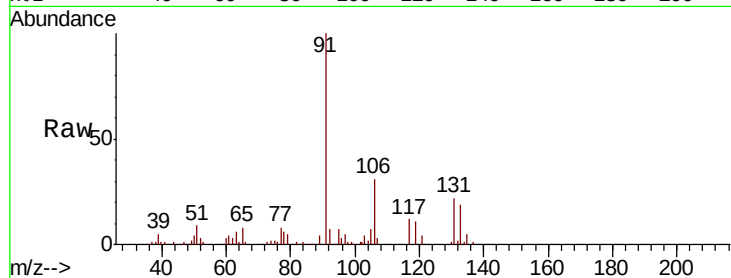




#67
Ethyl Benzene
Concen: 2.550 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW013488.D
Acq: 08 Oct 2019 15:53

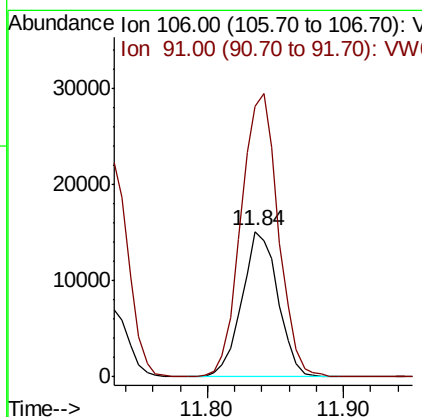
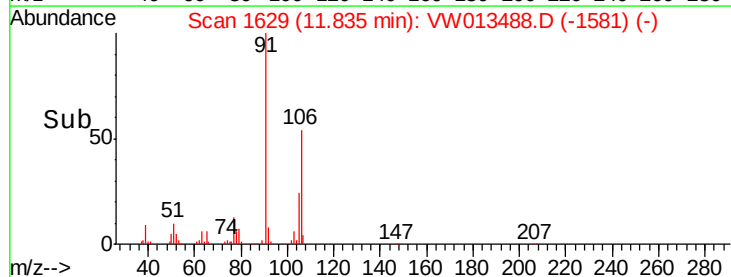
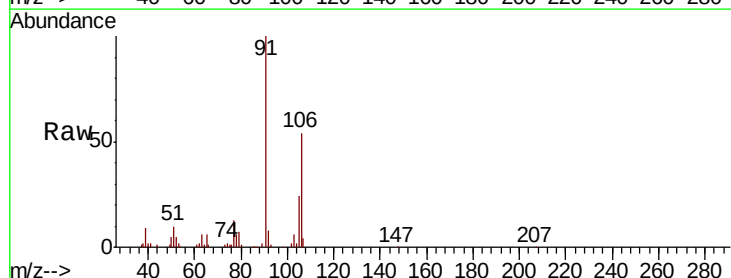
Instrument :
MSVOA_W
ClientSampled :

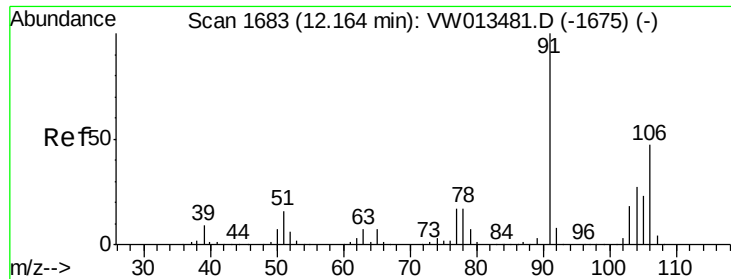
Tot Ion: 91 Resp: 37689
Ion Ratio Lower Upper
91 100
106 31.2 24.8 37.2



#68
m/p-Xylenes
Concen: 4.990 ug/l
RT: 11.84 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW013488.D
Acq: 08 Oct 2019 15:53

Tgt Ion: 106 Resp: 28066
Ion Ratio Lower Upper
106 100
91 201.3 156.2 234.4

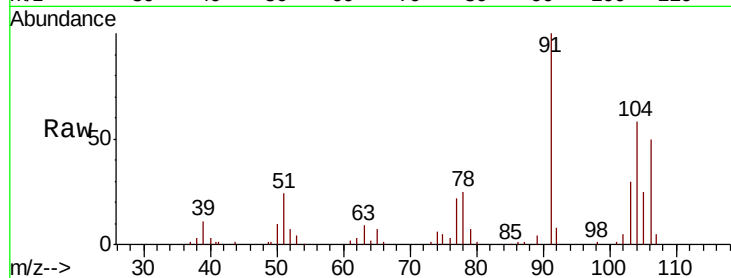




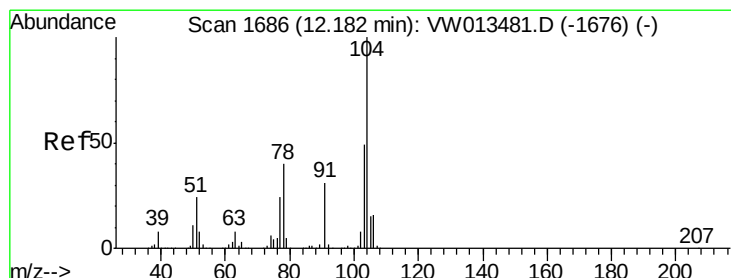
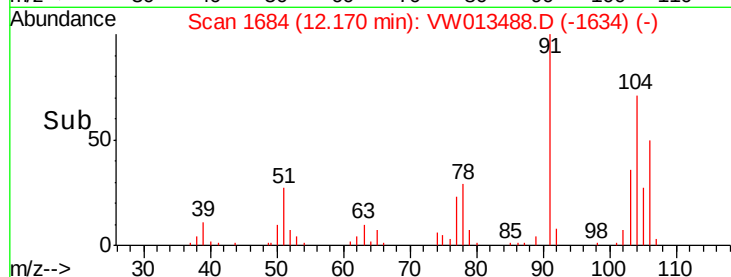
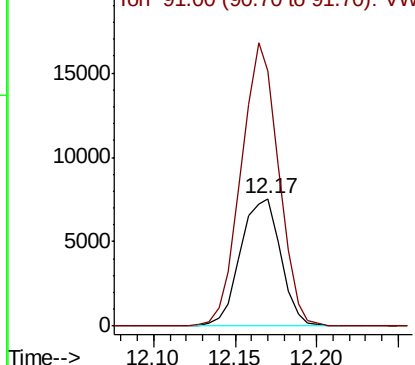
#69
o-Xylene
Concen: 2.497 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.01 min
Lab File: VW013488.D
Acq: 08 Oct 2019 15:53

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:106 Resp: 12973
Ion Ratio Lower Upper
106 100
91 207.8 105.0 315.0

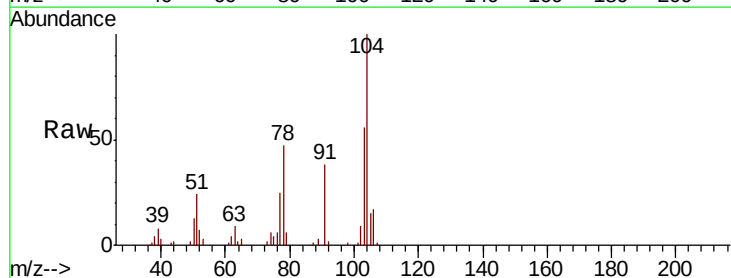


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VW

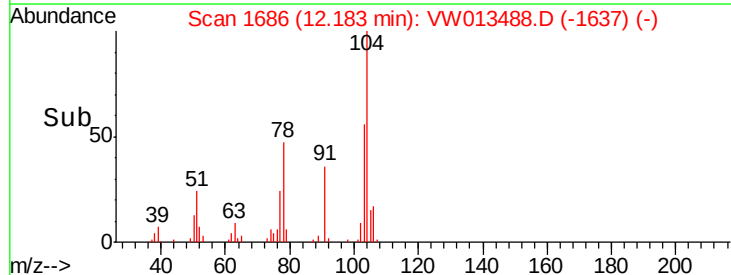
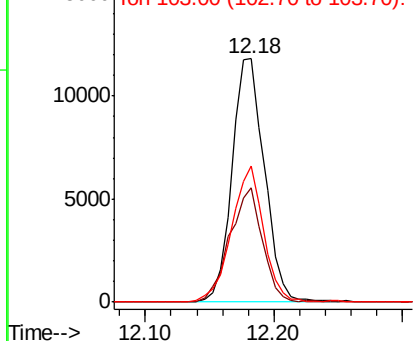


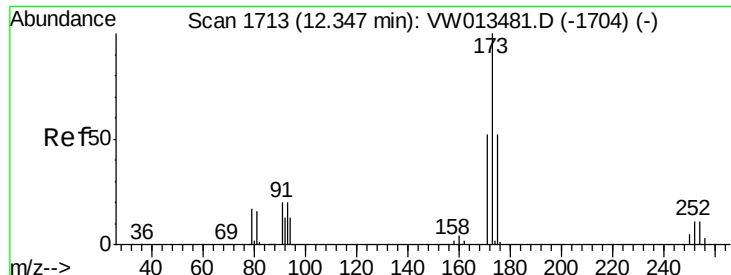
#70
Styrene
Concen: 2.315 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW013488.D
Acq: 08 Oct 2019 15:53

Tgt Ion:104 Resp: 20651
Ion Ratio Lower Upper
104 100
78 47.1 37.1 55.7
103 55.3 43.2 64.8



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





#71

Bromoform

Concen: 2.192 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW013488.D

Acq: 08 Oct 2019 15:53

Instrument :

MSVOA_W

ClientSampleId :

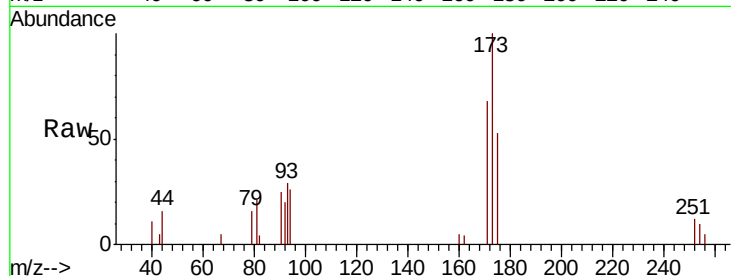
Tot Ion:173 Resp: 3379

Ion Ratio Lower Upper

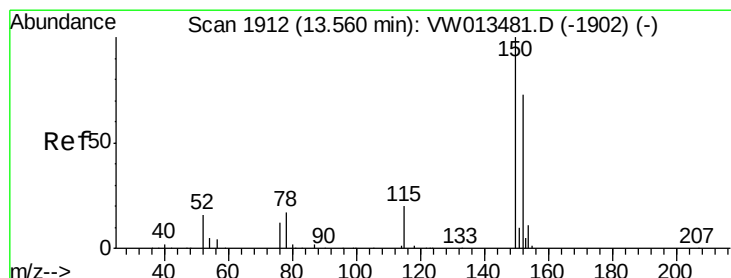
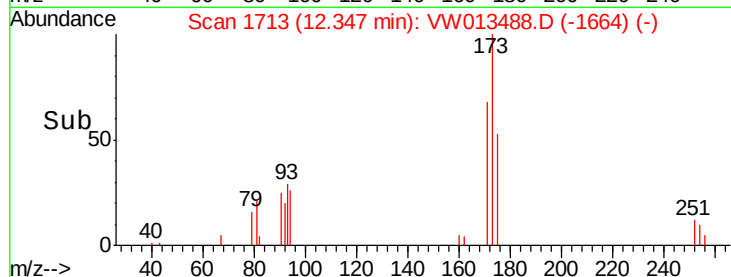
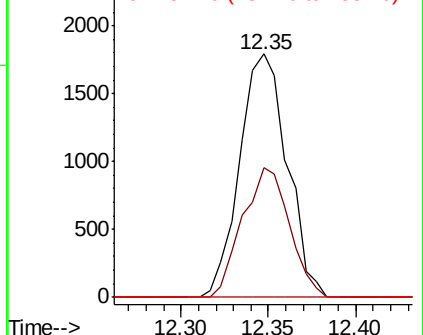
173 100

175 52.7 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: VW013488.D

Acq: 08 Oct 2019 15:53

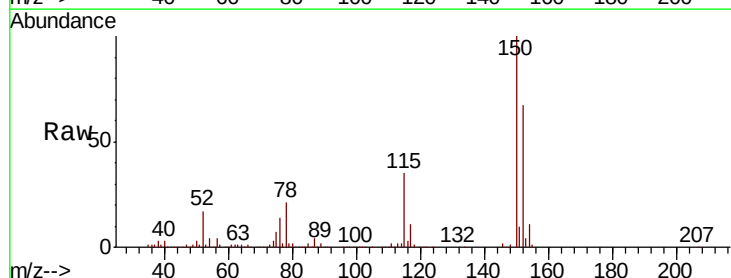
Tgt Ion:152 Resp: 203584

Ion Ratio Lower Upper

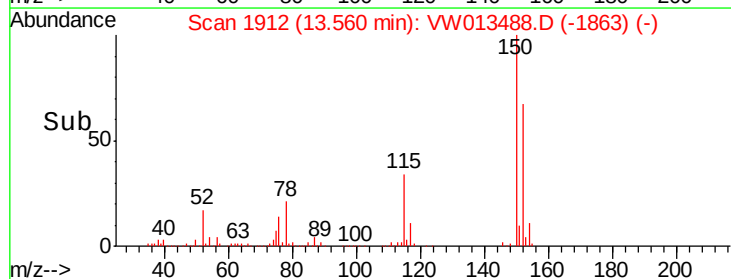
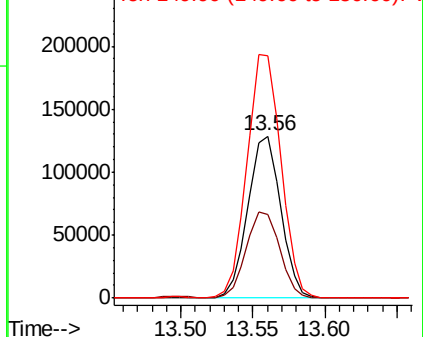
152 100

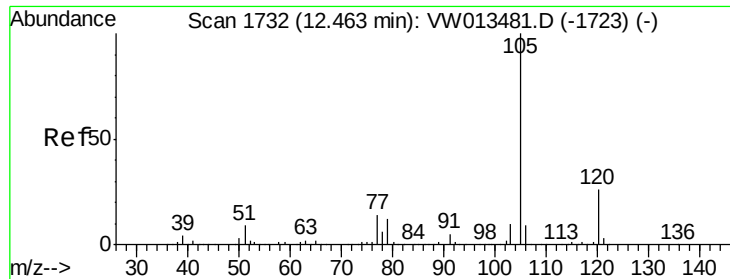
115 54.4 27.0 81.0

150 155.0 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: 2.430 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW013488.D

Acq: 08 Oct 2019 15:53

Instrument :

MSVOA_W

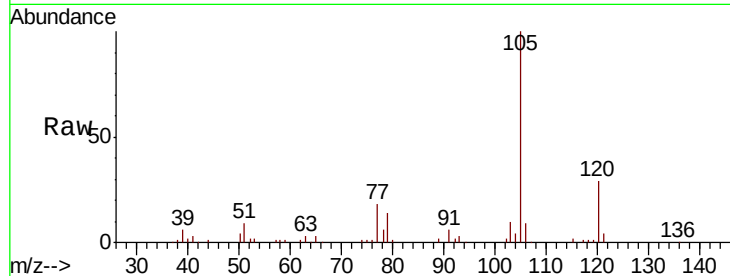
ClientSampled :

Tot Ion:105 Resp: 35433

Ion Ratio Lower Upper

105 100

120 28.0 13.5 40.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

25000

20000

15000

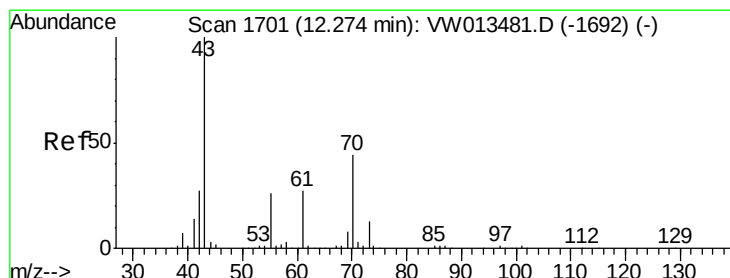
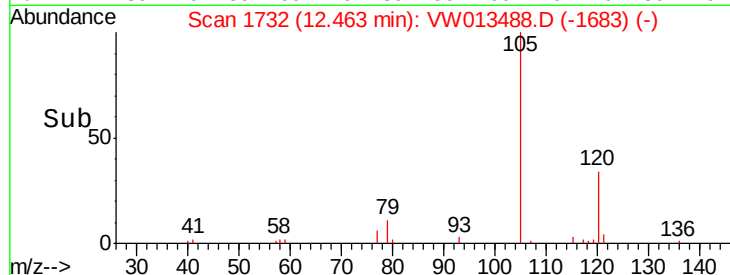
10000

5000

0

12.40 12.45 12.50

Time-->



#74

N-ethyl acetate

Concen: 2.237 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW013488.D

Acq: 08 Oct 2019 15:53

Tgt Ion: 43 Resp: 7133

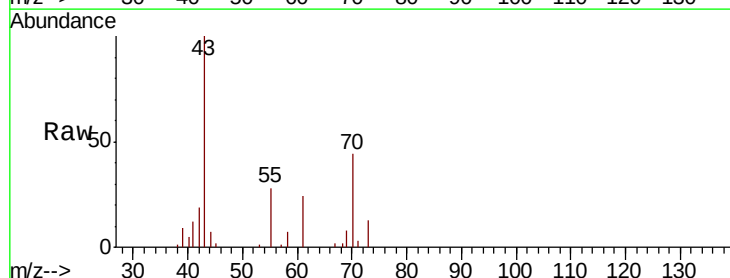
Ion Ratio Lower Upper

43 100

70 45.1 35.3 52.9

55 27.2 20.0 30.0

61 26.6 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

8000

6000

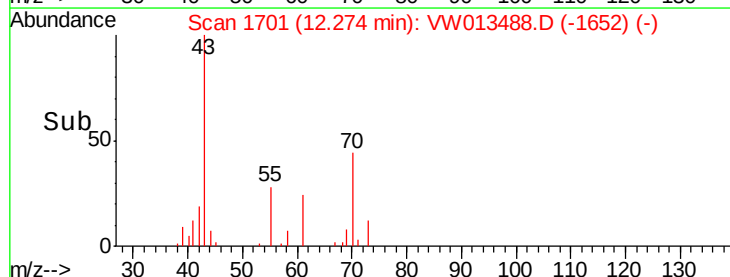
4000

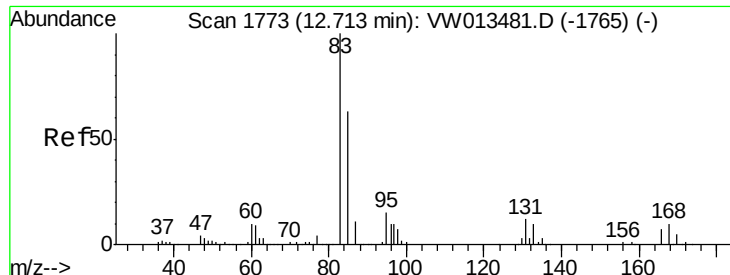
2000

0

12.20 12.25 12.30

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 2.479 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.01 min

Lab File: VW013488.D

Acq: 08 Oct 2019 15:53

Instrument :

MSVOA_W

ClientSampleId :

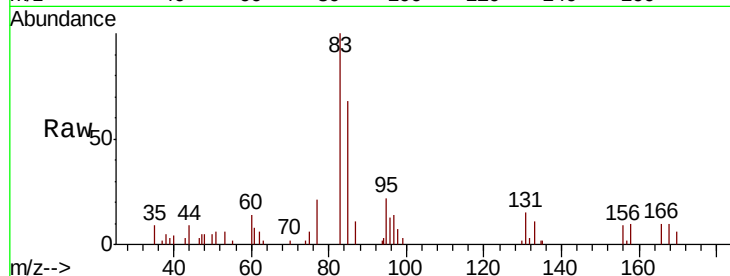
Tot Ion: 83 Resp: 6161

Ion Ratio Lower Upper

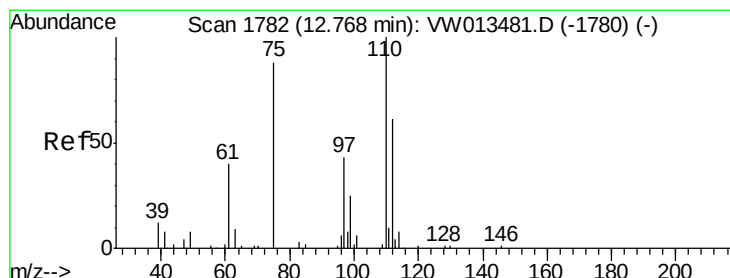
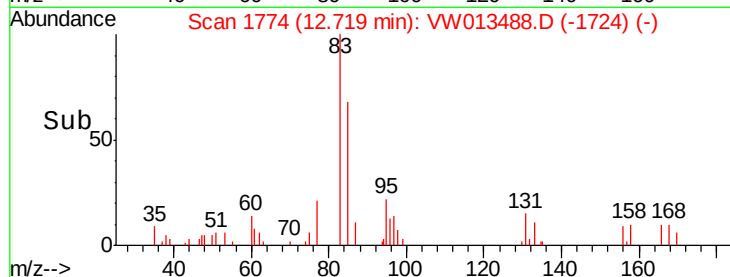
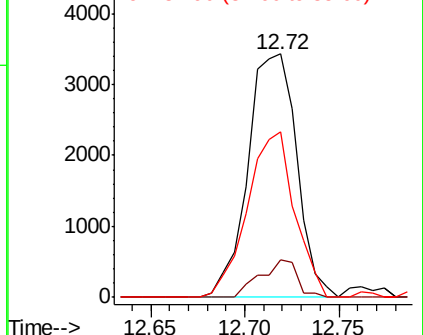
83 100

131 11.5 5.9 17.7

85 65.8 32.5 97.4



Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 4.591 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW013488.D

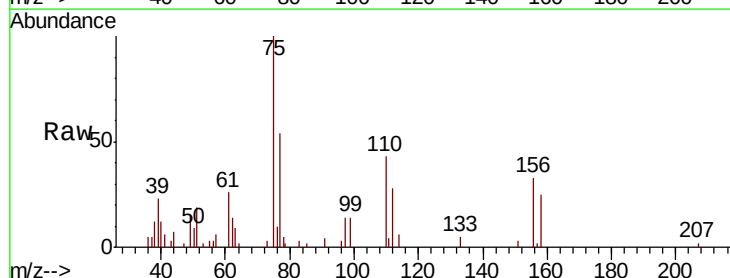
Acq: 08 Oct 2019 15:53

Tgt Ion: 75 Resp: 7785

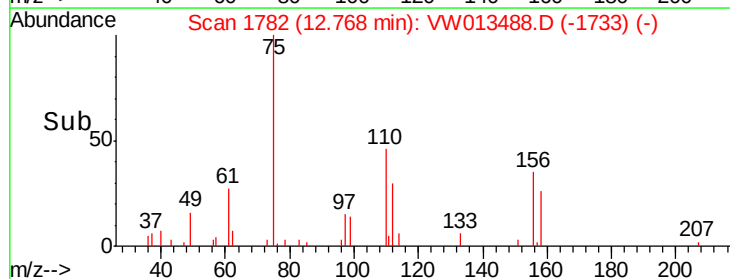
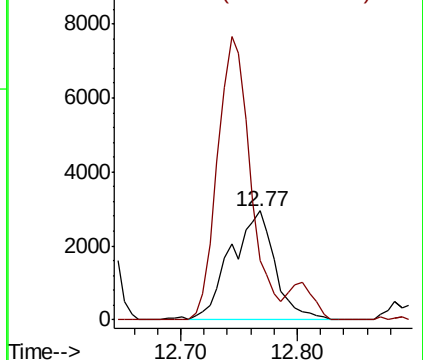
Ion Ratio Lower Upper

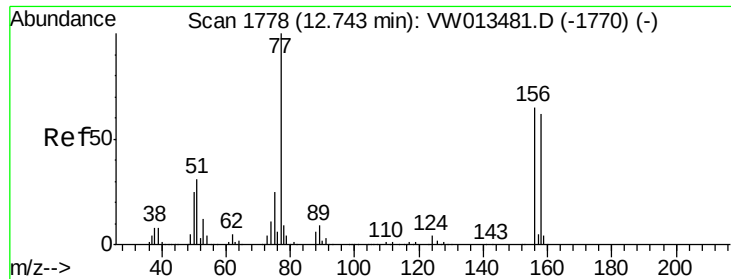
75 100

77 0.0 0.0 0.0



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





#77

Bromobenzene

Concen: 2.685 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VW013488.D

Acq: 08 Oct 2019 15:53

Instrument :

MSVOA_W

ClientSampleId :

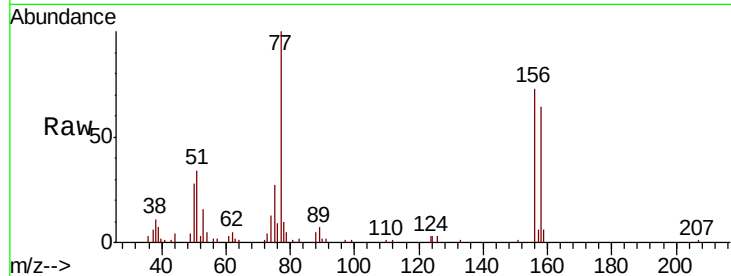
Tot Ion:156 Resp: 9280

Ion Ratio Lower Upper

156 100

77 161.8 83.7 251.0

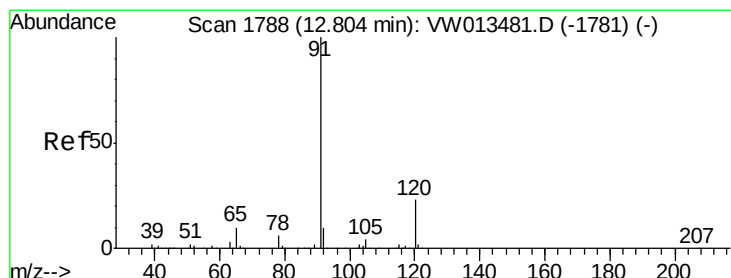
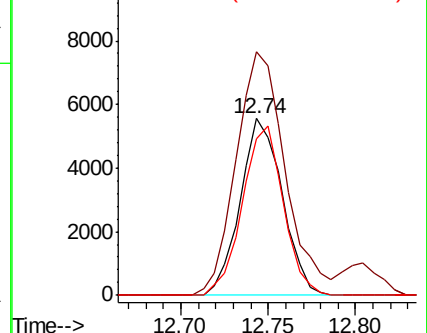
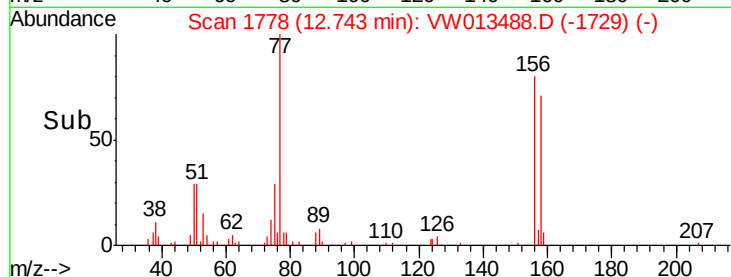
158 93.2 49.0 147.0



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 2.554 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW013488.D

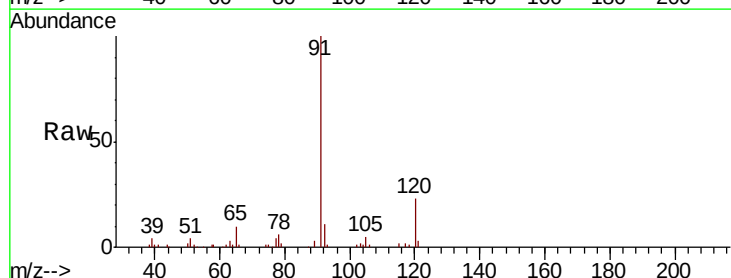
Acq: 08 Oct 2019 15:53

Tgt Ion: 91 Resp: 43065

Ion Ratio Lower Upper

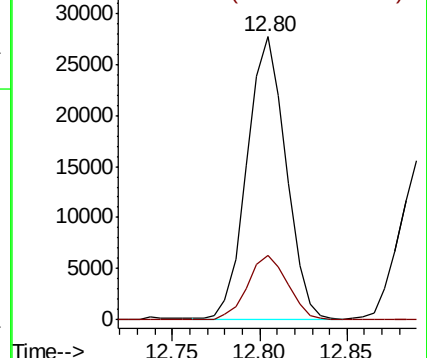
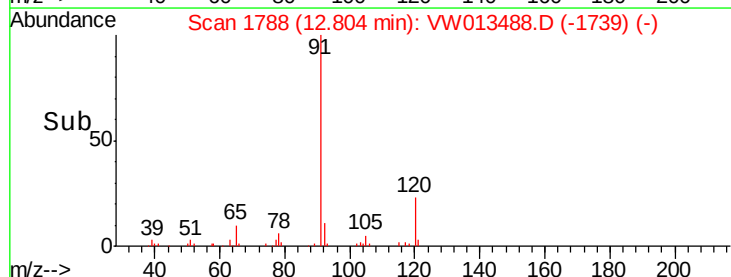
91 100

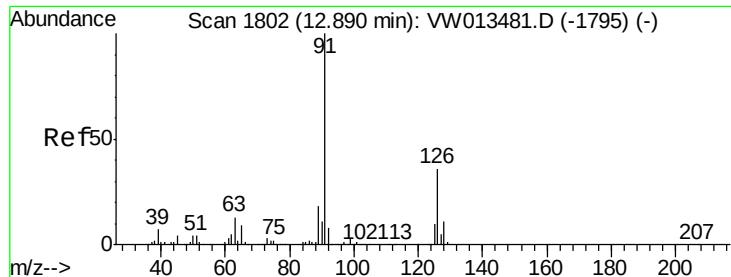
120 23.2 11.7 35.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

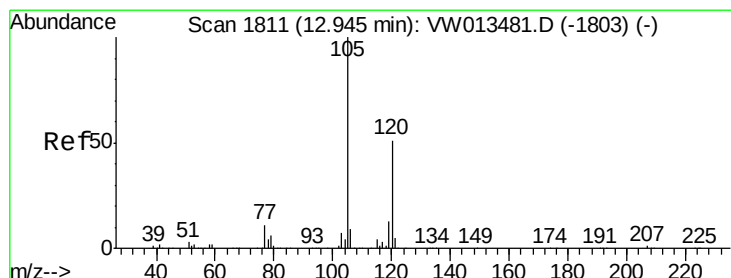
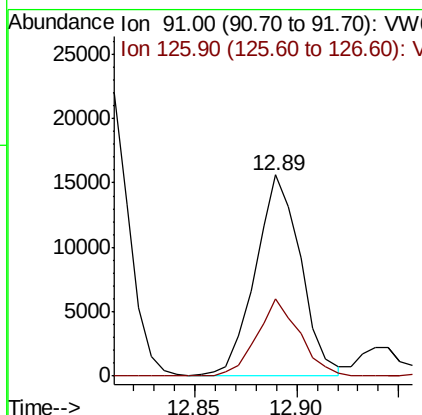
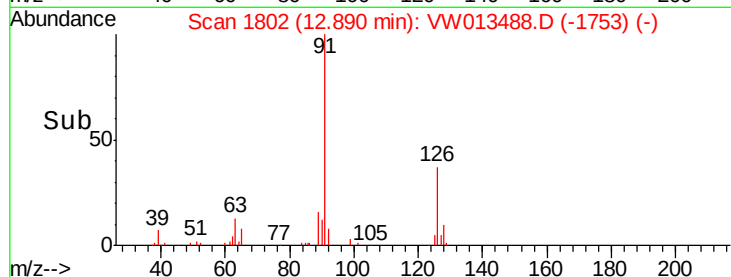
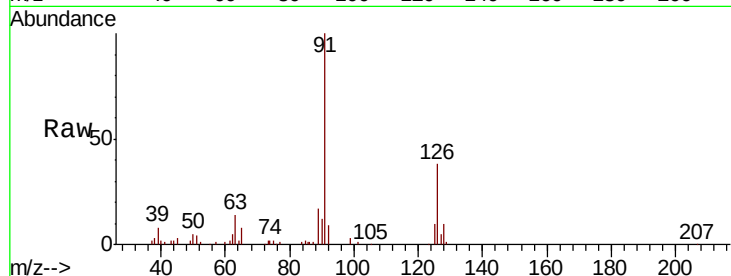




#79
2-Chlorotoluene
Concen: 2.568 ug/l
RT: 12.89 min Scan# 1802
Delta R.T. 0.00 min
Lab File: VW013488.D
Acq: 08 Oct 2019 15:53

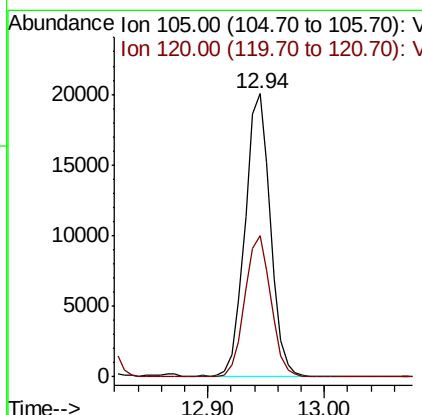
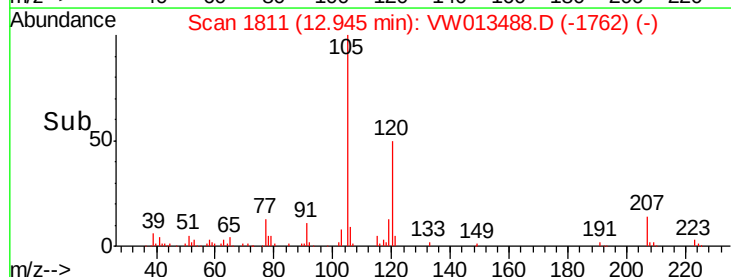
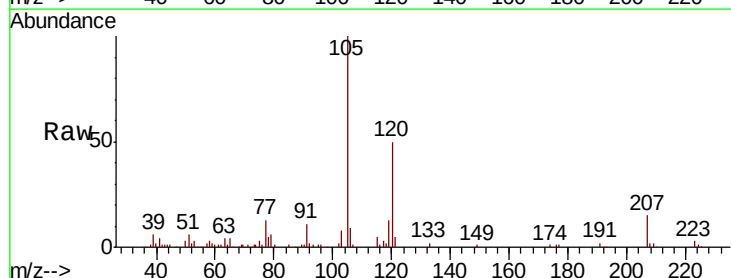
Instrument :
MSVOA_W
ClientSampled :

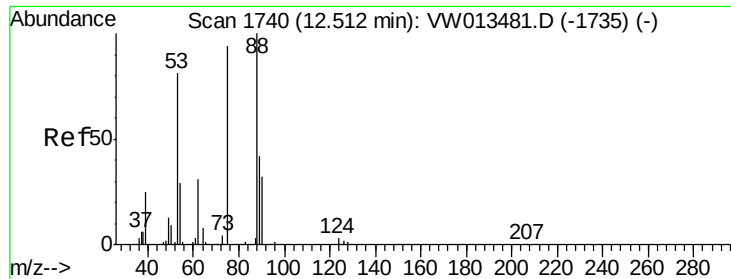
Tot Ion: 91 Resp: 24258
Ion Ratio Lower Upper
91 100
126 36.2 17.8 53.4



#80
1,3,5-Trimethylbenzene
Concen: 2.534 ug/l
RT: 12.94 min Scan# 1811
Delta R.T. 0.00 min
Lab File: VW013488.D
Acq: 08 Oct 2019 15:53

Tgt Ion:105 Resp: 30703
Ion Ratio Lower Upper
105 100
120 50.9 25.4 76.0

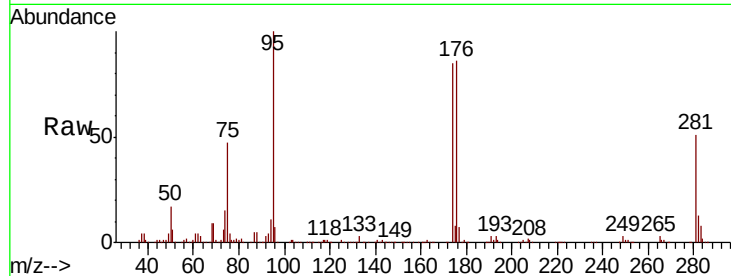




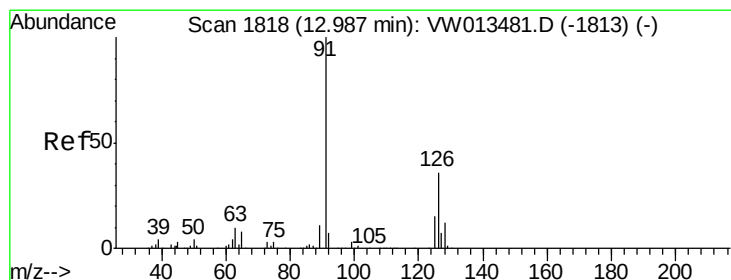
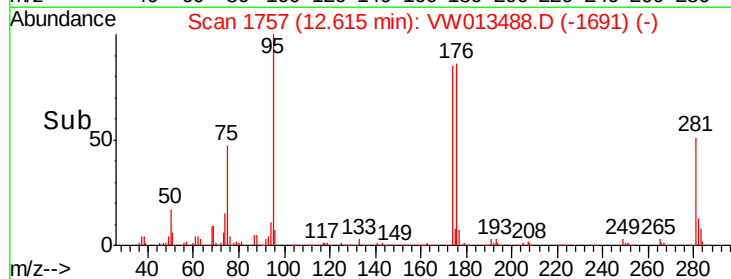
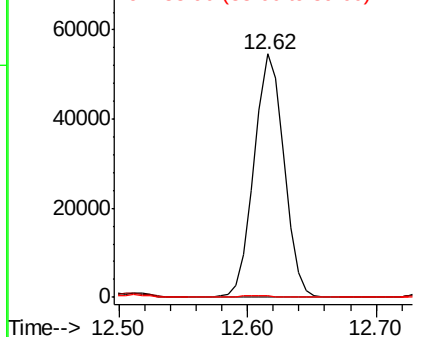
#81
trans-1,4-Dichloro-2-butene
Concen: 105.567 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.10 min
Lab File: VW013488.D
Acq: 08 Oct 2019 15:53

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 75 Resp: 87564
Ion Ratio Lower Upper
75 100
53 0.0 71.0 106.6#
89 0.7 36.1 54.1#

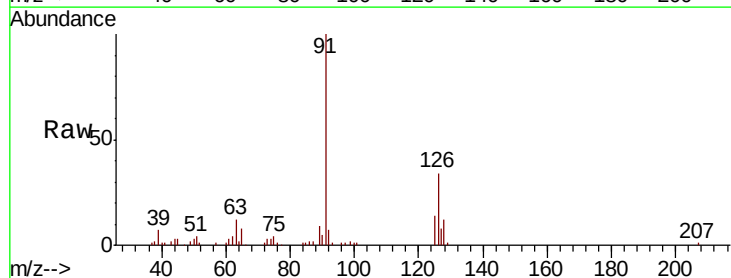


Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 53.00 (52.70 to 53.70): VW
Ion 88.90 (88.60 to 89.60): VW

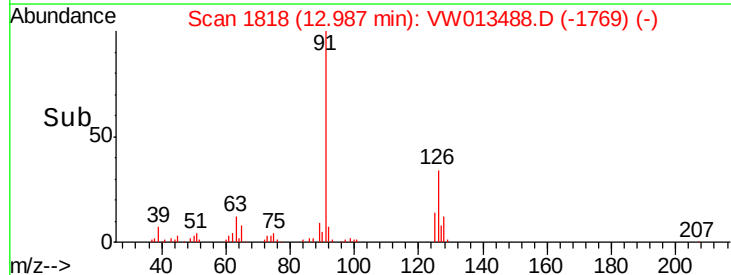
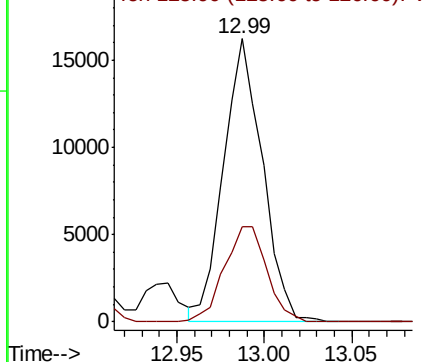


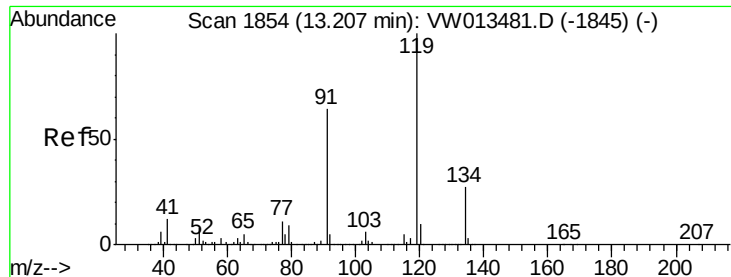
#82
4-Chlorotoluene
Concen: 2.559 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. 0.00 min
Lab File: VW013488.D
Acq: 08 Oct 2019 15:53

Tgt Ion: 91 Resp: 25089
Ion Ratio Lower Upper
91 100
126 37.0 17.5 52.6



Abundance Ion 91.00 (90.70 to 91.70): VW
Ion 125.90 (125.60 to 126.60): V

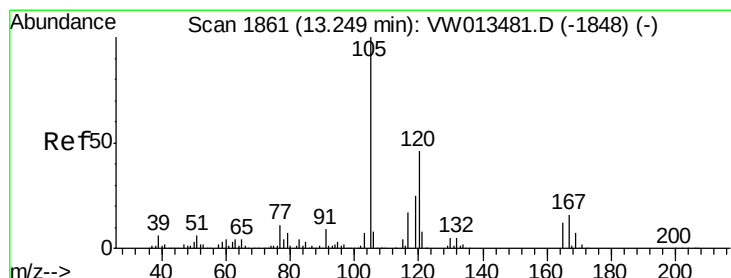
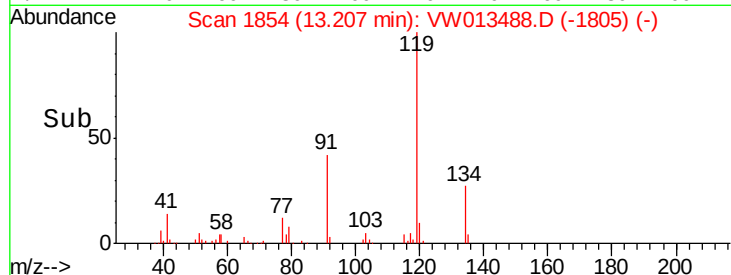
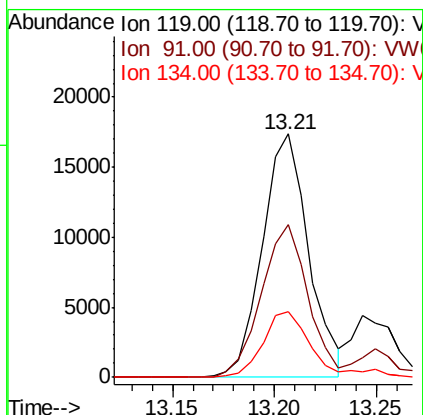
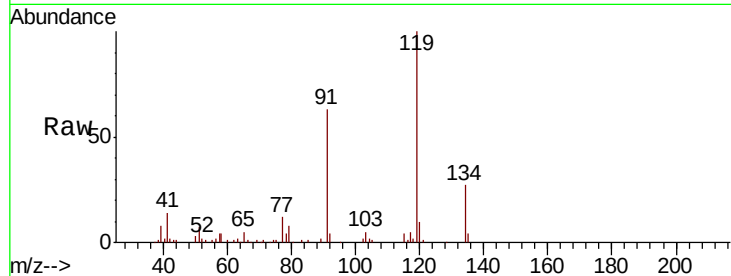




#83
tert-Butylbenzene
Concen: 2.558 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW013488.D
Acq: 08 Oct 2019 15:53

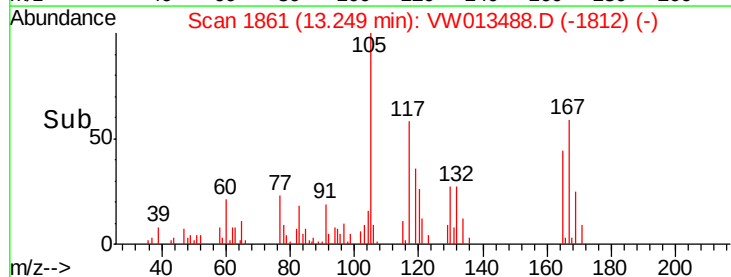
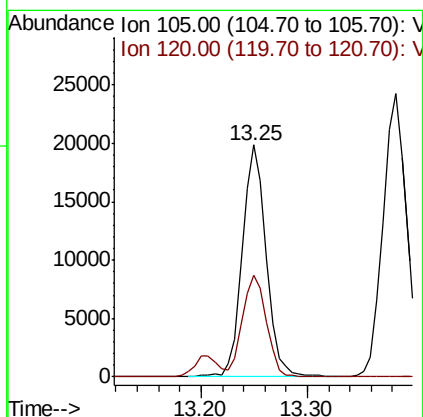
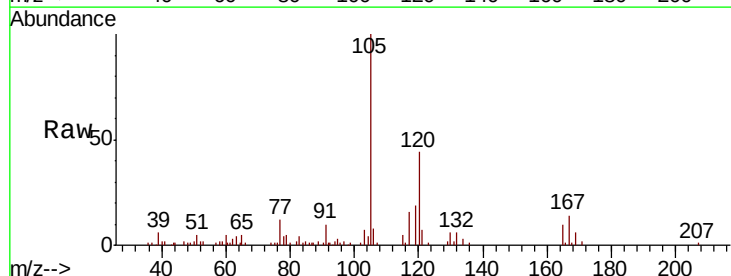
Instrument :
MSVOA_W
ClientSampleId :

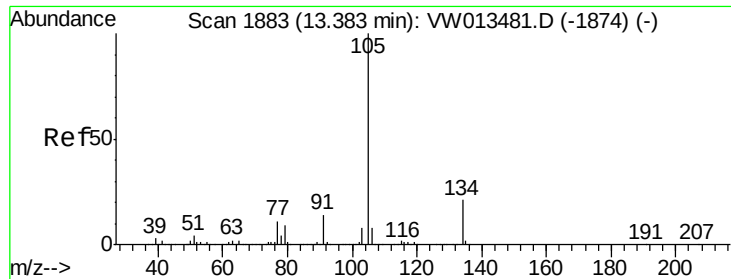
Tot Ion:119 Resp: 27530
Ion Ratio Lower Upper
119 100
91 62.7 30.6 91.6
134 28.9 13.8 41.3



#84
1,2,4-Trimethylbenzene
Concen: 2.611 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VW013488.D
Acq: 08 Oct 2019 15:53

Tgt Ion:105 Resp: 31290
Ion Ratio Lower Upper
105 100
120 43.6 23.2 69.5





#85

sec-Butylbenzene

Concen: 2.490 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW013488.D

Acq: 08 Oct 2019 15:53

Instrument :

MSVOA_W

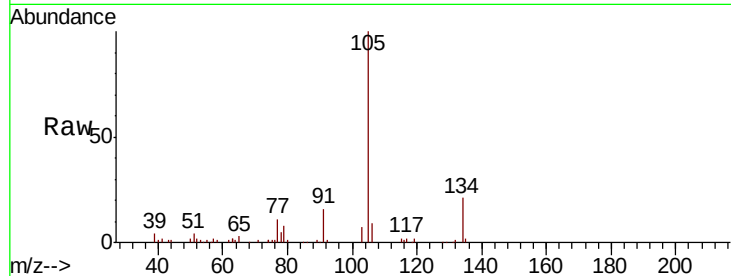
ClientSampled :

Tot Ion:105 Resp: 37023

Ion Ratio Lower Upper

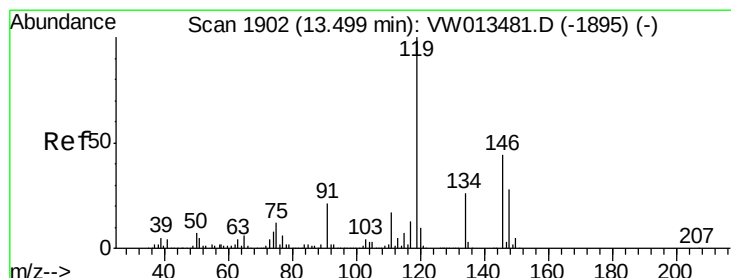
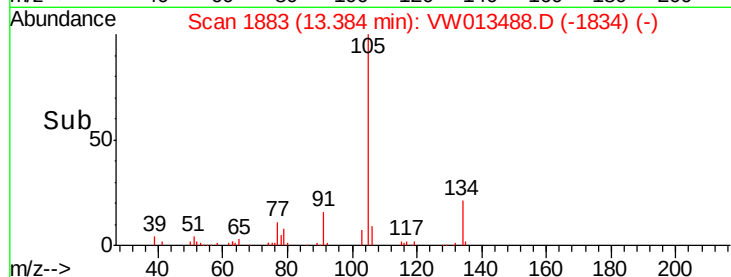
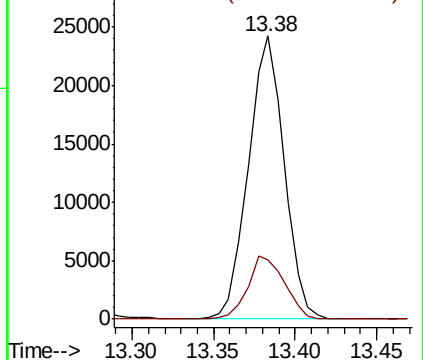
105 100

134 23.0 10.4 31.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 2.542 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW013488.D

Acq: 08 Oct 2019 15:53

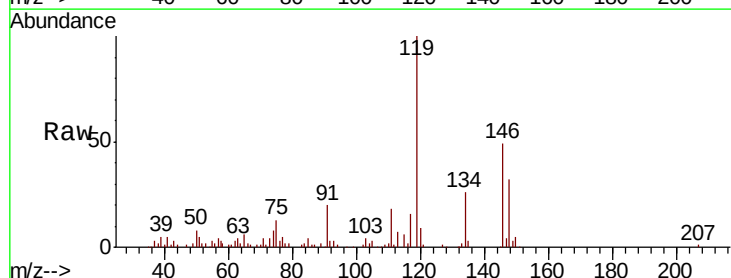
Tgt Ion:119 Resp: 34720

Ion Ratio Lower Upper

119 100

134 26.5 13.1 39.1

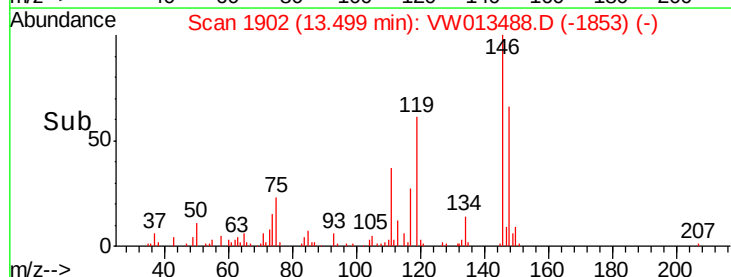
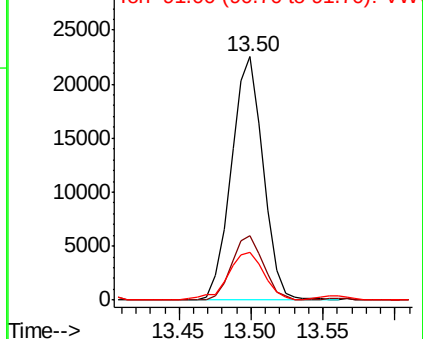
91 22.4 10.8 32.3

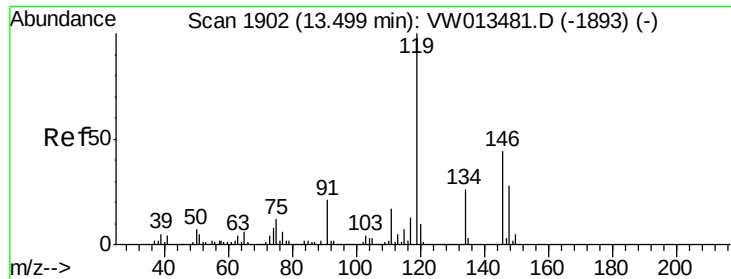


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

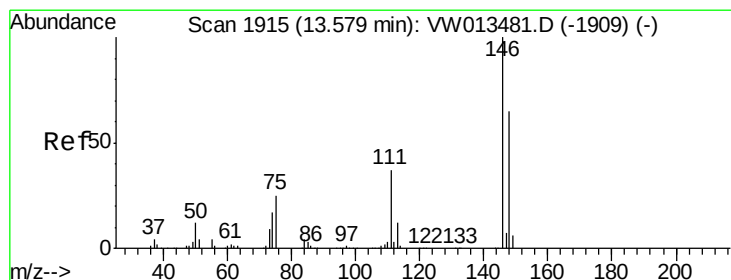
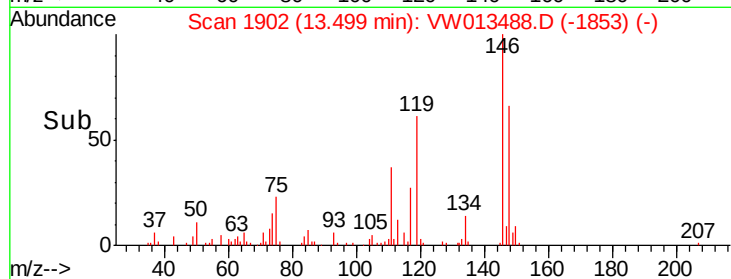
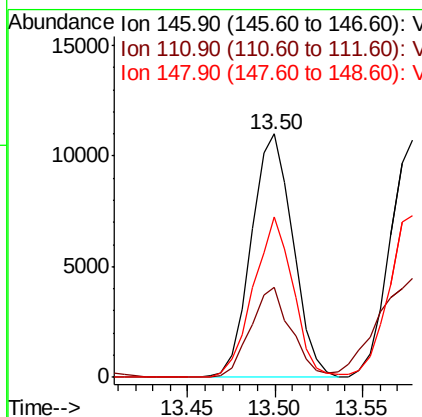
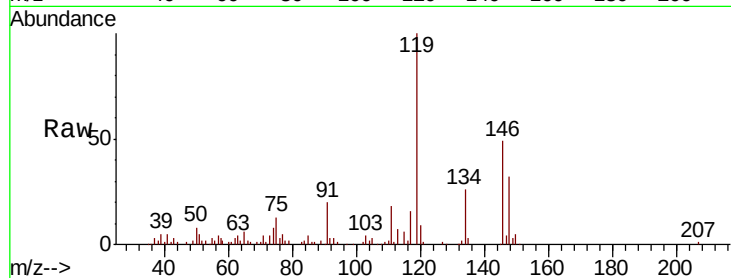




#87
 1,3-Dichlorobenzene
 Concen: 2.768 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW013488.D
 Acq: 08 Oct 2019 15:53

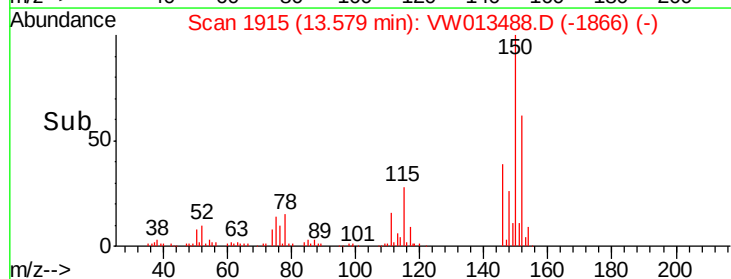
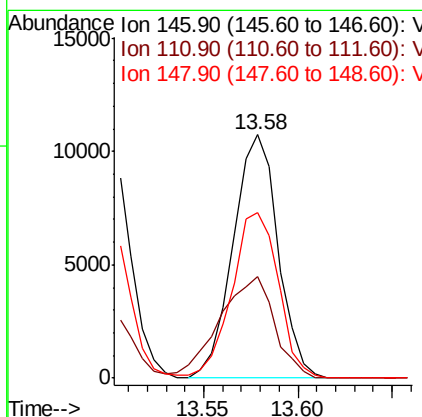
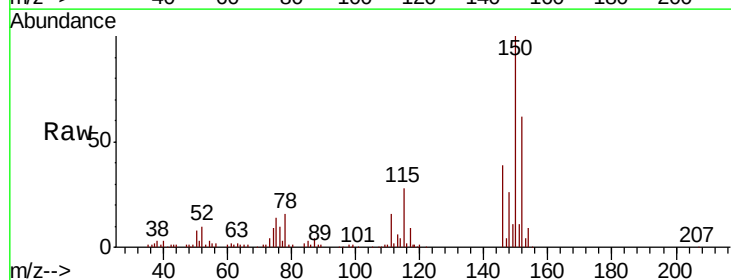
Instrument :
 MSVOA_W
 ClientSampleId :

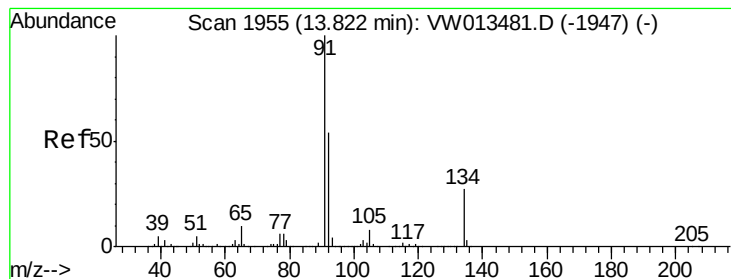
Tot Ion:146 Resp: 18142
 Ion Ratio Lower Upper
 146 100
 111 36.2 18.7 56.1
 148 63.3 32.3 96.8



#88
 1,4-Dichlorobenzene
 Concen: 2.753 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW013488.D
 Acq: 08 Oct 2019 15:53

Tgt Ion:146 Resp: 17677
 Ion Ratio Lower Upper
 146 100
 111 51.6 18.4 55.4
 148 70.8 32.0 96.2





#89

n-Butylbenzene

Concen: 2.469 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW013488.D

Acq: 08 Oct 2019 15:53

Instrument :

MSVOA_W

ClientSampleId :

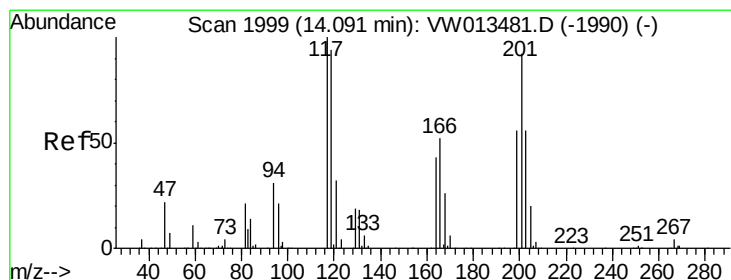
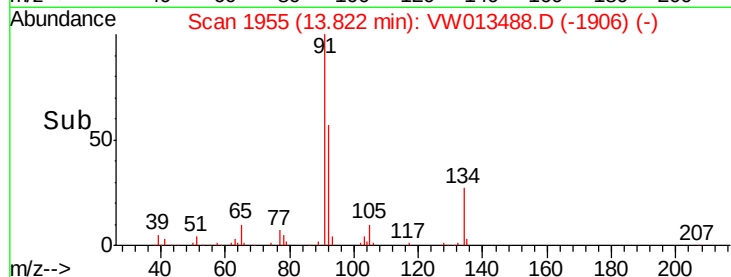
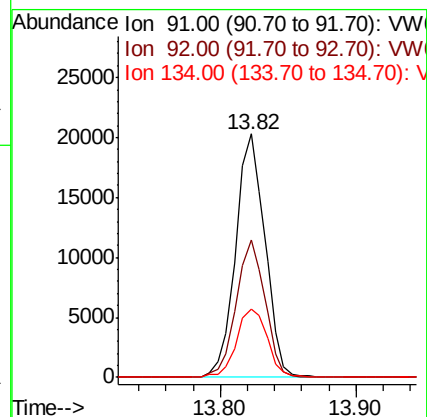
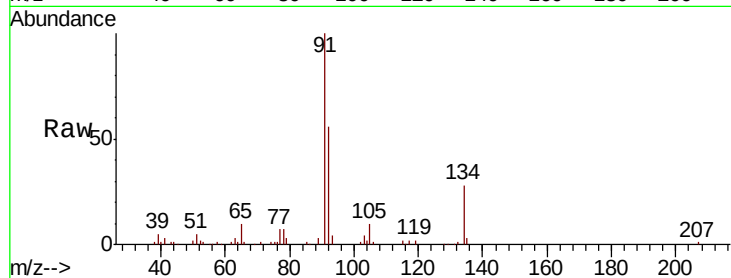
Tot Ion: 91 Resp: 30474

Ion Ratio Lower Upper

91 100

92 55.4 27.5 82.4

134 29.7 13.8 41.3



#90

Hexachloroethane

Concen: 2.472 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. 0.00 min

Lab File: VW013488.D

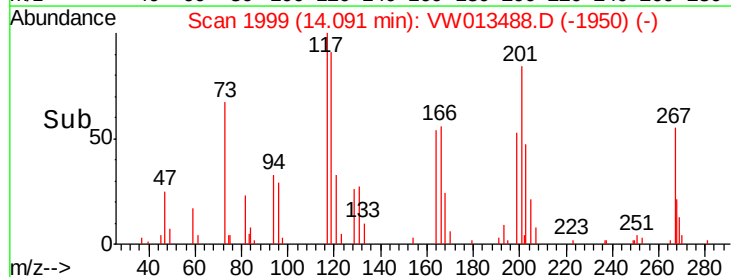
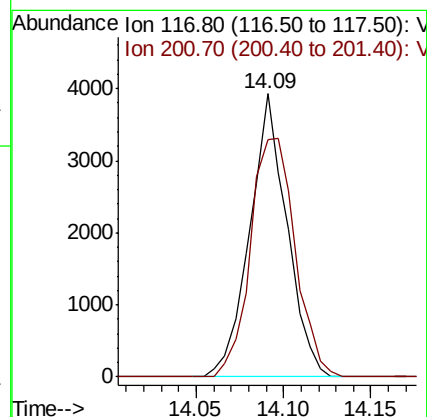
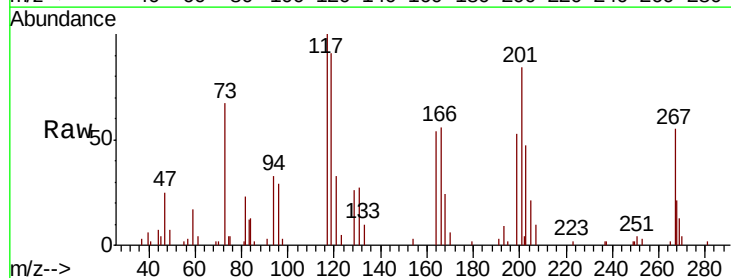
Acq: 08 Oct 2019 15:53

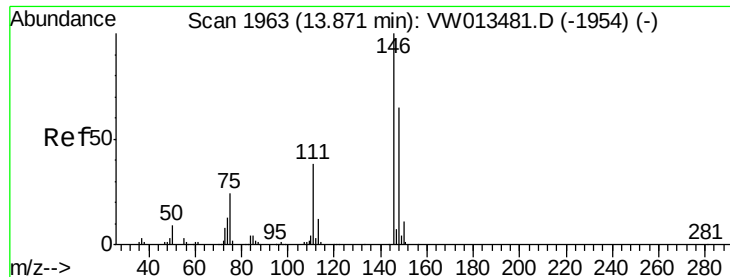
Tgt Ion: 117 Resp: 5779

Ion Ratio Lower Upper

117 100

201 101.7 46.9 140.7

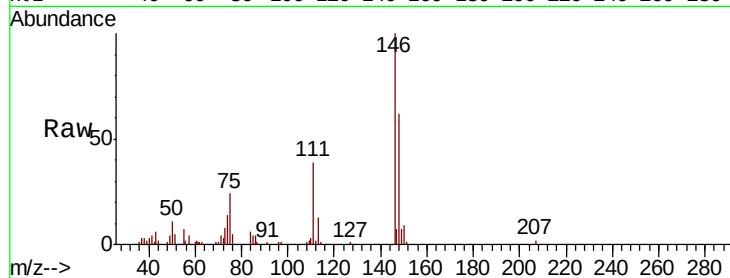




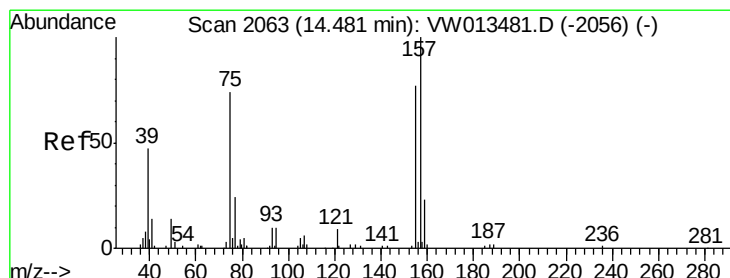
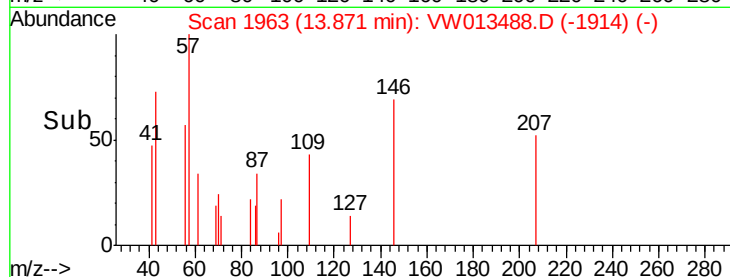
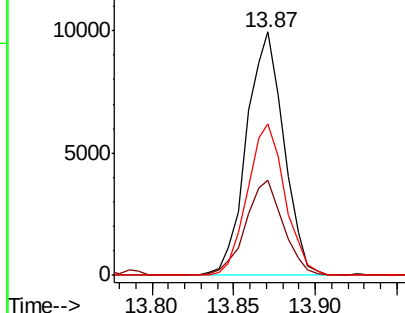
#91
 1,2-Dichlorobenzene
 Concen: 2.733 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW013488.D
 Acq: 08 Oct 2019 15:53

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.6	19.4	58.2
148	62.8	31.8	95.3

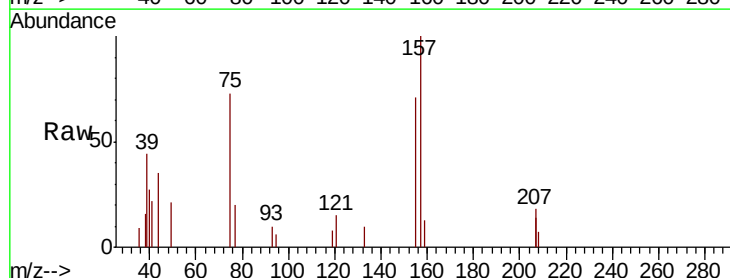


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

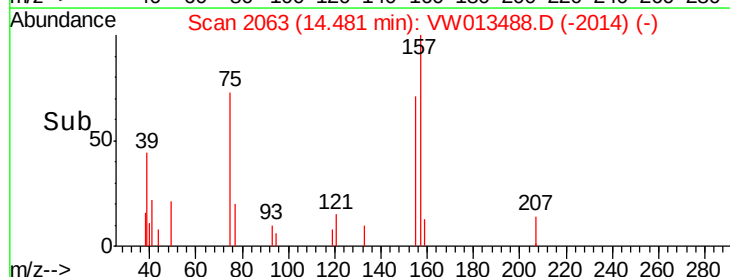
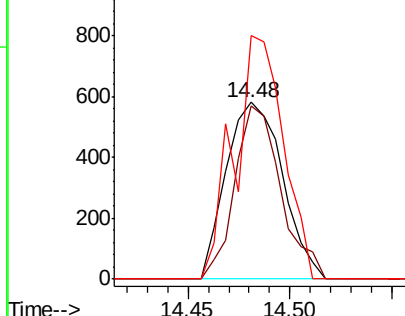


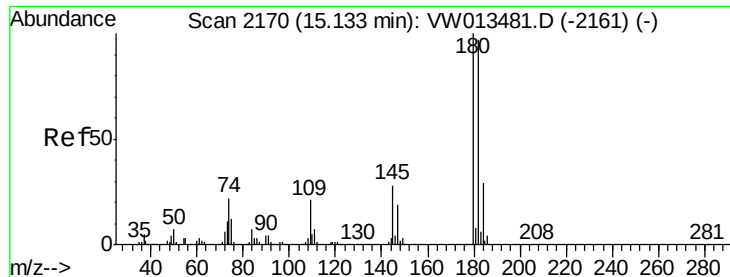
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 2.819 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. 0.00 min
 Lab File: VW013488.D
 Acq: 08 Oct 2019 15:53

Tgt Ion	Ratio	Lower	Upper
75	100		
155	79.9	51.0	153.1
157	120.3	65.9	197.7



Abundance Ion 74.90 (74.60 to 75.60): VW
 Ion 154.80 (154.50 to 155.50): V
 Ion 156.80 (156.50 to 157.50): V

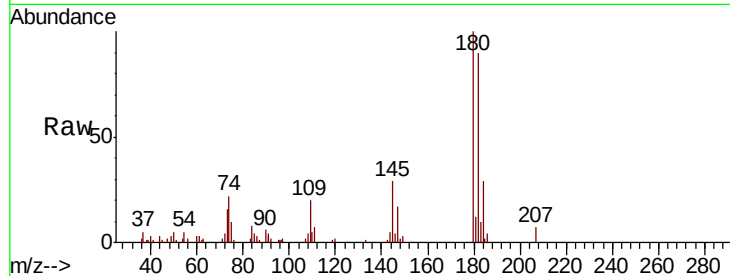




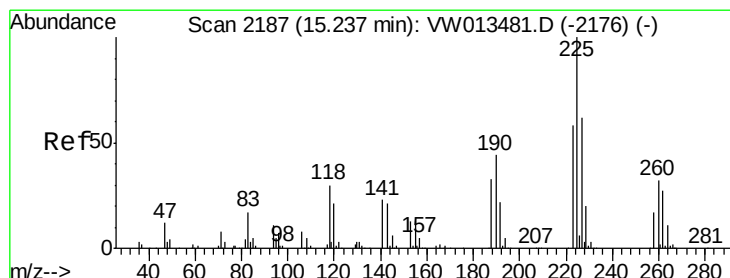
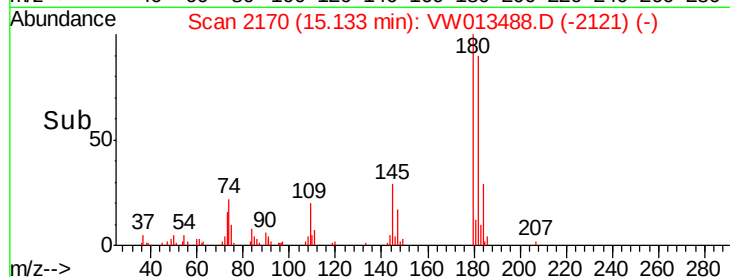
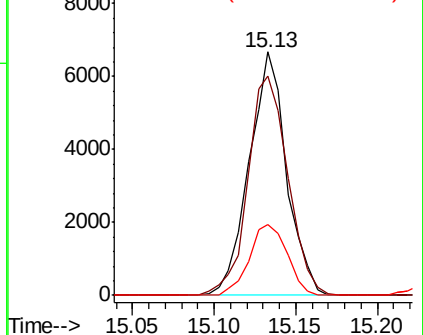
#93
 1,2,4-Trichlorobenzene
 Concen: 2.595 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW013488.D
 Acq: 08 Oct 2019 15:53

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:180 Resp: 10615
 Ion Ratio Lower Upper
 180 100
 182 96.7 47.7 143.1
 145 29.6 14.0 41.9

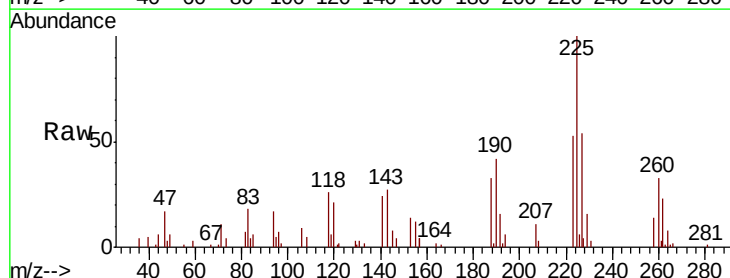


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

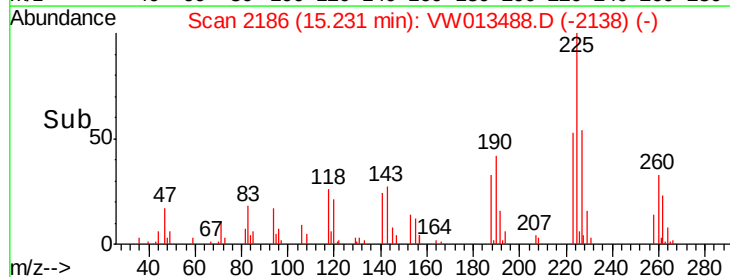
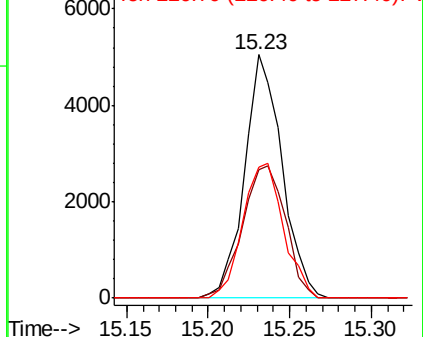


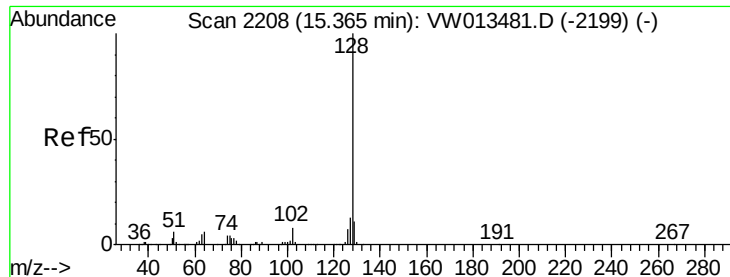
#94
 Hexachlorobutadiene
 Concen: 2.968 ug/l
 RT: 15.23 min Scan# 2186
 Delta R.T. -0.01 min
 Lab File: VW013488.D
 Acq: 08 Oct 2019 15:53

Tgt Ion:225 Resp: 8067
 Ion Ratio Lower Upper
 225 100
 223 62.5 30.3 90.9
 227 59.8 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

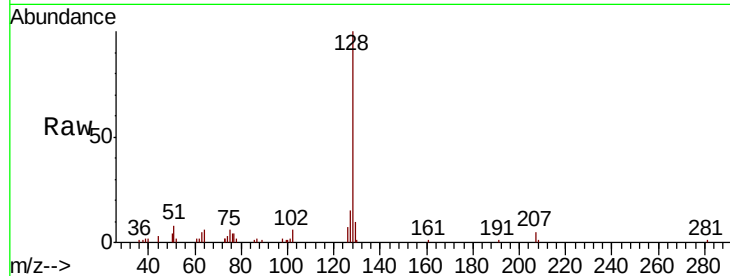




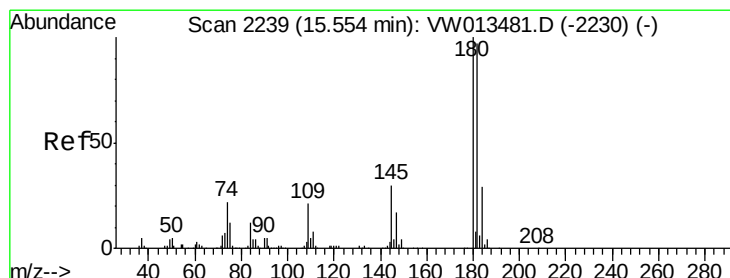
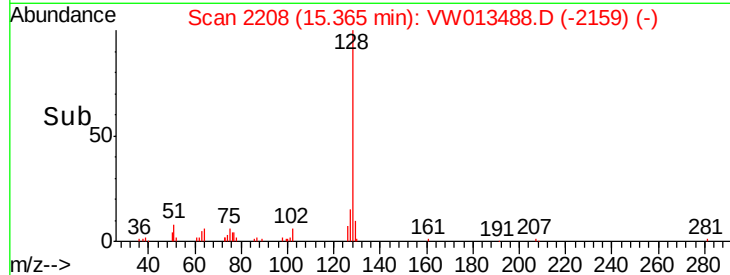
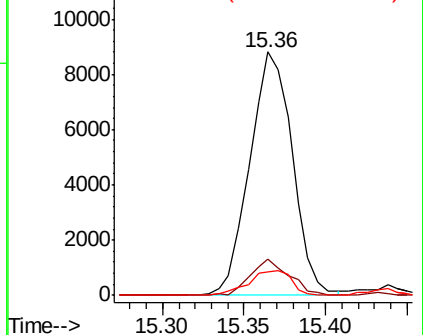
#95
Naphthalene
Concen: 2.272 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW013488.D
Acq: 08 Oct 2019 15:53

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:128 Resp: 16072
Ion Ratio Lower Upper
128 100
127 13.3 10.6 16.0
129 10.1 8.8 13.2

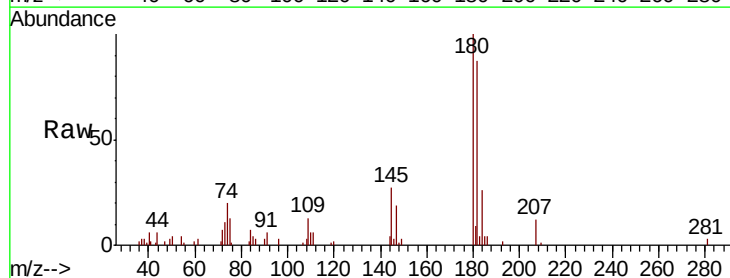


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 2.614 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.01 min
Lab File: VW013488.D
Acq: 08 Oct 2019 15:53

Tgt Ion:180 Resp: 9348
Ion Ratio Lower Upper
180 100
182 93.7 47.7 143.1
145 30.6 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

