

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW041520\
 Data File : VW015205.D
 Acq On : 15 Apr 2020 16:38
 Operator : SY/VA
 Sample : VW0415SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Apr 16 04:24:07 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W041520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 15 14:44:16 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	552565	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	942345	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	821721	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	371618	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	254022	48.62	ug/l	0.00
Spiked Amount			Recovery	=	97.24%	
35) Dibromofluoromethane	7.88	113	265249	50.90	ug/l	0.00
Spiked Amount			Recovery	=	101.80%	
50) Toluene-d8	10.32	98	1081337	51.08	ug/l	0.00
Spiked Amount			Recovery	=	102.16%	
62) 4-Bromofluorobenzene	12.62	95	368903	49.75	ug/l	0.00
Spiked Amount			Recovery	=	99.50%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	71531	21.749	ug/l	99
3) Chloromethane	2.21	50	96844	19.861	ug/l	98
4) Vinyl Chloride	2.37	62	131301	22.867	ug/l	99
5) Bromomethane	2.78	94	68187	22.557	ug/l	98
6) Chloroethane	2.92	64	59559	21.028	ug/l	98
7) Trichlorofluoromethane	3.25	101	82274	22.361	ug/l	100
8) Diethyl Ether	3.68	74	57976	20.439	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.07	101	119245	21.326	ug/l	98
10) Methyl Iodide	4.27	142	180007	21.558	ug/l	99
11) Tert butyl alcohol	5.19	59	36419	93.895	ug/l	100
12) 1,1-Dichloroethene	4.04	96	120353	20.900	ug/l	96
13) Acrolein	3.89	56	40475	100.375	ug/l	96
14) Allyl chloride	4.67	41	180042	21.135	ug/l	99
15) Acrylonitrile	5.37	53	113927	95.702	ug/l	99
16) Acetone	4.14	43	87196	93.697	ug/l	99
17) Carbon Disulfide	4.38	76	364764	20.811	ug/l	99
18) Methyl Acetate	4.67	43	58103	20.417	ug/l	97
19) Methyl tert-butyl Ether	5.42	73	162665	21.568	ug/l	99
20) Methylene Chloride	4.91	84	130037	20.177	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	127825	21.038	ug/l	95
22) Diisopropyl ether	6.31	45	361627	21.048	ug/l	97
23) Vinyl Acetate	6.26	43	1010850	101.311	ug/l	99
24) 1,1-Dichloroethane	6.21	63	216464	21.192	ug/l	99
25) 2-Butanone	7.17	43	140531	94.366	ug/l	99
26) 2,2-Dichloropropane	7.17	77	148109	21.787	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	139964	21.369	ug/l	100
28) Bromochloromethane	7.51	49	85847	20.109	ug/l	99
29) Tetrahydrofuran	7.53	42	91461	93.692	ug/l	99
30) Chloroform	7.68	83	207834	20.771	ug/l	97
31) Cyclohexane	7.95	56	226085	20.707	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	181409	21.522	ug/l	99
36) 1,1-Dichloropropene	8.08	75	176058	20.913	ug/l	99
37) Ethyl Acetate	7.25	43	68182	19.460	ug/l	98
38) Carbon Tetrachloride	8.07	117	165230	21.348	ug/l	95

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW041520\
 Data File : VW015205.D
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 Operator : SY/VA
 Sample : VW0415BSD01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Apr 16 04:24:07 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W041520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 15 14:44:16 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	243036	21.483	ug/l	98
40) Benzene	8.32	78	509757	21.325	ug/l	98
41) Methacrylonitrile	7.49	41	41098	19.824	ug/l	98
42) 1,2-Dichloroethane	8.40	62	125772	20.731	ug/l	98
43) Isopropyl Acetate	8.43	43	136100	19.877	ug/l	99
44) Trichloroethene	9.09	130	134427	21.402	ug/l	99
45) 1,2-Dichloropropane	9.37	63	124813	21.222	ug/l	100
46) Dibromomethane	9.46	93	60262	20.502	ug/l	98
47) Bromodichloromethane	9.64	83	159297	20.903	ug/l	98
48) Methyl methacrylate	9.43	41	66618	20.801	ug/l	97
49) 1,4-Dioxane	9.46	88	16865	361.662	ug/l #	80
51) 4-Methyl-2-Pentanone	10.21	43	327172	90.345	ug/l	100
52) Toluene	10.38	92	321302	20.999	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	158851	20.488	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	195753	20.927	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	83499	20.049	ug/l	93
56) Ethyl methacrylate	10.65	69	110927	19.328	ug/l	98
57) 1,3-Dichloropropane	10.93	76	152883	20.885	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	291697	102.696	ug/l	97
59) 2-Hexanone	10.97	43	215705	94.907	ug/l	99
60) Dibromochloromethane	11.13	129	101511	20.428	ug/l	98
61) 1,2-Dibromoethane	11.23	107	81261	20.246	ug/l	98
64) Tetrachloroethene	10.86	164	103036	21.347	ug/l	98
65) Chlorobenzene	11.66	112	331383	21.432	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	113931	21.319	ug/l	98
67) Ethyl Benzene	11.73	91	615972	21.103	ug/l	100
68) m/p-Xylenes	11.84	106	472380	42.645	ug/l	98
69) o-Xylene	12.16	106	221114	21.297	ug/l	98
70) Styrene	12.18	104	373666	21.304	ug/l	98
71) Bromoform	12.35	173	53387	20.116	ug/l #	97
73) Isopropylbenzene	12.46	105	598708	21.603	ug/l	100
74) N-amyl acetate	12.27	43	123287	19.137	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	92271	19.871	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	120128	37.762	ug/l #	100
77) Bromobenzene	12.74	156	123721	21.548	ug/l	97
78) n-propylbenzene	12.80	91	712212	21.310	ug/l	99
79) 2-Chlorotoluene	12.89	91	392213	21.228	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	495819	21.247	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	33464	20.352	ug/l	99
82) 4-Chlorotoluene	12.99	91	413754	21.196	ug/l	100
83) tert-Butylbenzene	13.21	119	430128	21.258	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	494445	21.318	ug/l	98
85) sec-Butylbenzene	13.38	105	614884	21.382	ug/l	100
86) p-Isopropyltoluene	13.49	119	543183	21.169	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	246012	21.507	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	237806	20.955	ug/l	97
89) n-Butylbenzene	13.82	91	534205	21.059	ug/l	99
90) Hexachloroethane	14.09	117	104503	21.183	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	215150	21.155	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	14556	19.361	ug/l	98

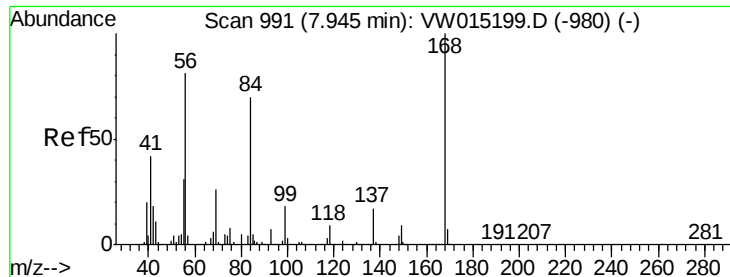
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW041520\
Data File : VW015205.D
Acq On : 15 Apr 2020 16:38
Operator : SY/VA
Sample : VW0415SBSD01
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ALS Vial : 13 Sample Multiplier: 1

Instrument :
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ClientSampleId :

Quant Time: Apr 16 04:24:07 2020
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Quant Title : SW846 8260
QLast Update : Wed Apr 15 14:44:16 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	142374	21.216	ug/l	98
94) Hexachlorobutadiene	15.23	225	81691	21.100	ug/l	98
95) Naphthalene	15.36	128	260800	20.202	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	117197	20.350	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: VW015205.D

Acq: 15 Apr 2020 16:38

Instrument :

MSVOA_W

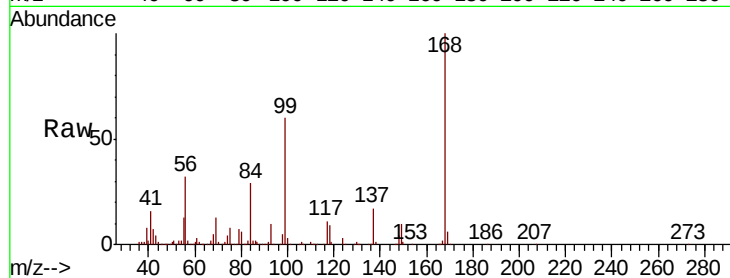
ClientSampleId :

Tot Ion:168 Resp: 552565

Ion Ratio Lower Upper

168 100

99 60.2 48.5 72.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

250000

200000

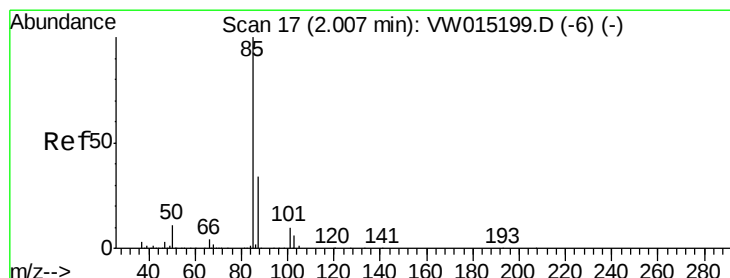
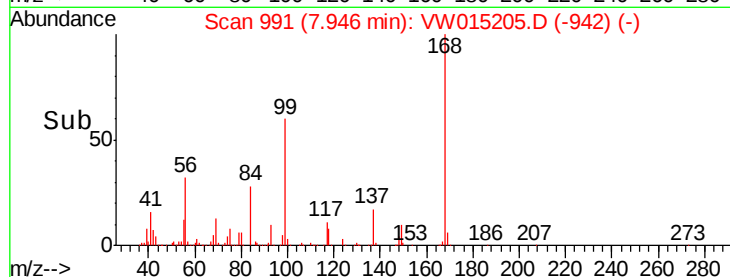
150000

100000

50000

0

Time--> 7.80 7.90 8.00



#2

Dichlorodifluoromethane

Concen: 21.749 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW015205.D

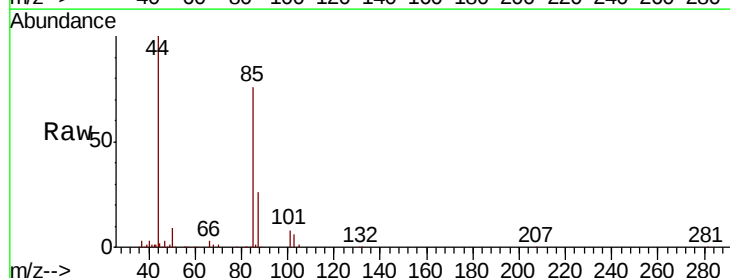
Acq: 15 Apr 2020 16:38

Tgt Ion: 85 Resp: 71531

Ion Ratio Lower Upper

85 100

87 33.9 17.2 51.6



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

30000

25000

20000

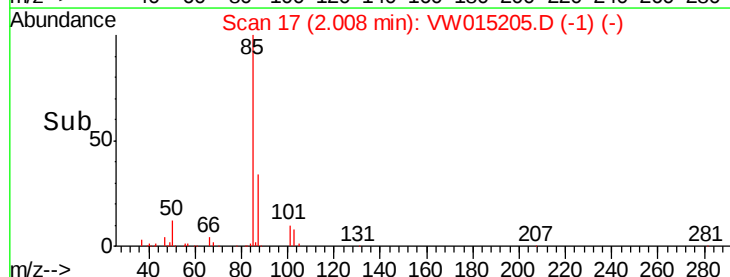
15000

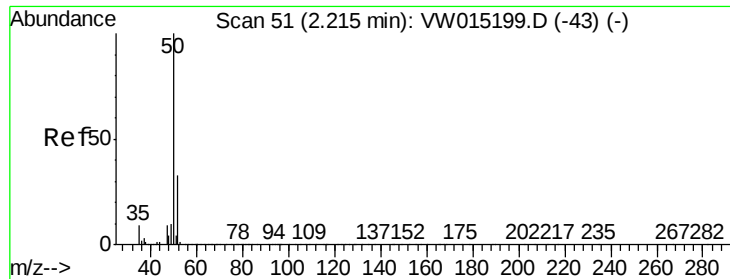
10000

5000

0

Time--> 1.90 2.00 2.10 2.20





#3

Chloromethane

Concen: 19.861 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW015205.D

Acq: 15 Apr 2020 16:38

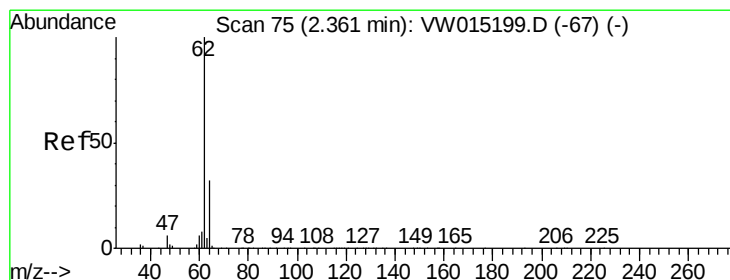
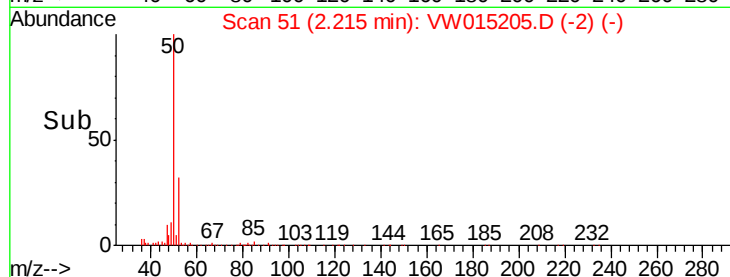
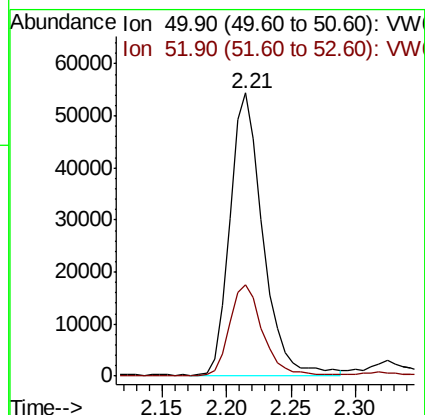
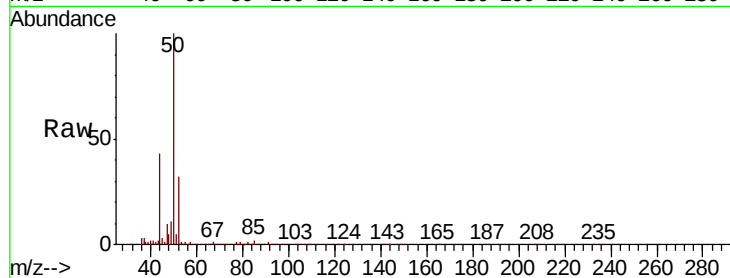
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 50 Resp: 96844

Ion Ratio Lower Upper

50 100

52 32.1 26.5 39.7



#4

Vinyl Chloride

Concen: 22.867 ug/l

RT: 2.37 min Scan# 76

Delta R.T. 0.01 min

Lab File: VW015205.D

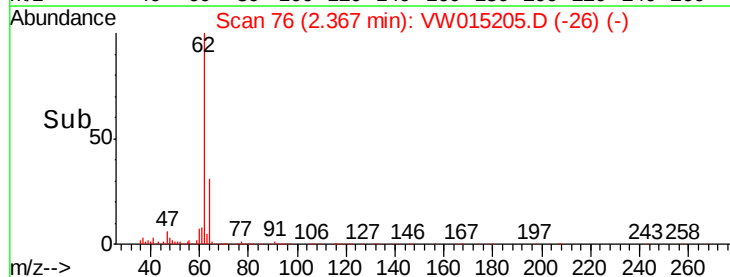
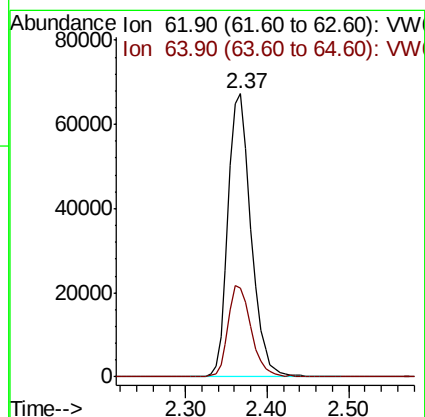
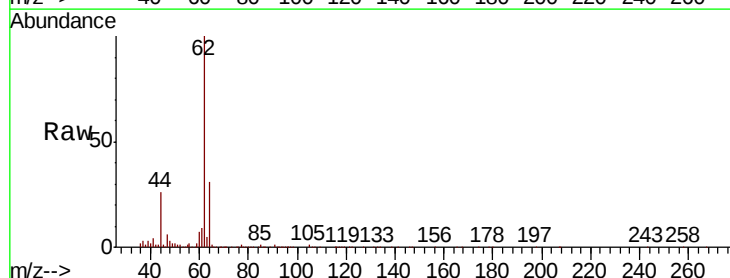
Acq: 15 Apr 2020 16:38

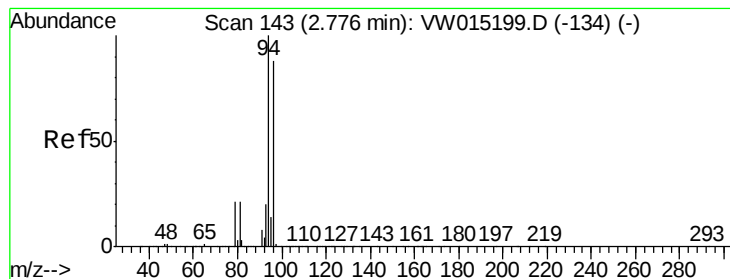
Tgt Ion: 62 Resp: 131301

Ion Ratio Lower Upper

62 100

64 31.4 25.4 38.2





#5

Bromomethane

Concen: 22.557 ug/l

RT: 2.78 min Scan# 143

Delta R.T. 0.00 min

Lab File: VW015205.D

Acq: 15 Apr 2020 16:38

Instrument :

MSVOA_W

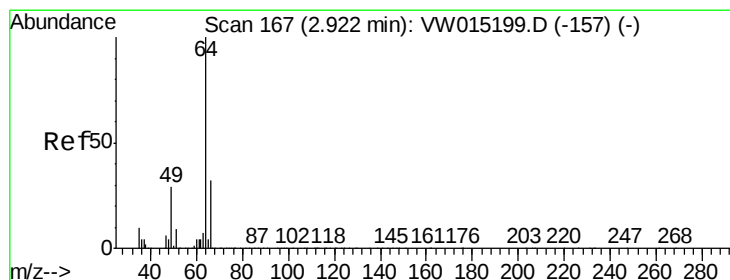
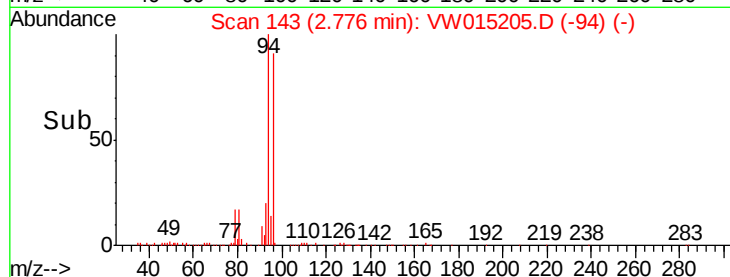
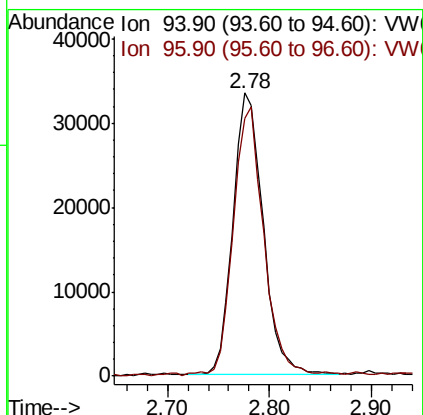
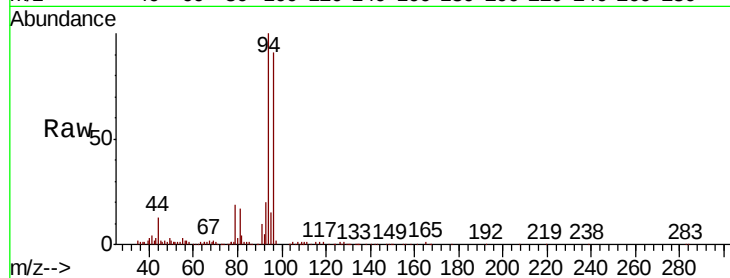
ClientSampleId :

Tot Ion: 94 Resp: 68187

Ion Ratio Lower Upper

94 100

96 90.3 70.4 105.6



#6

Chloroethane

Concen: 21.028 ug/l

RT: 2.92 min Scan# 167

Delta R.T. 0.00 min

Lab File: VW015205.D

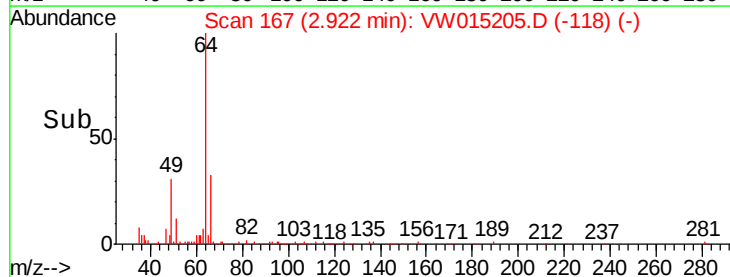
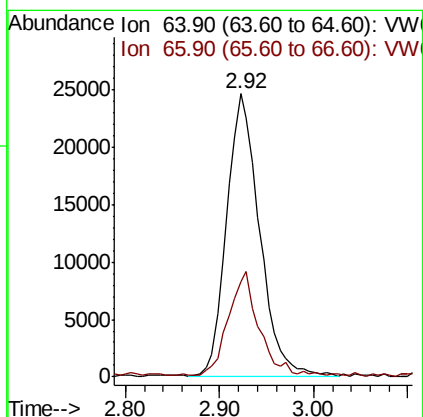
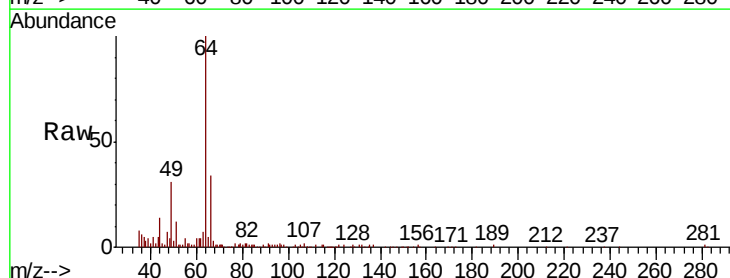
Acq: 15 Apr 2020 16:38

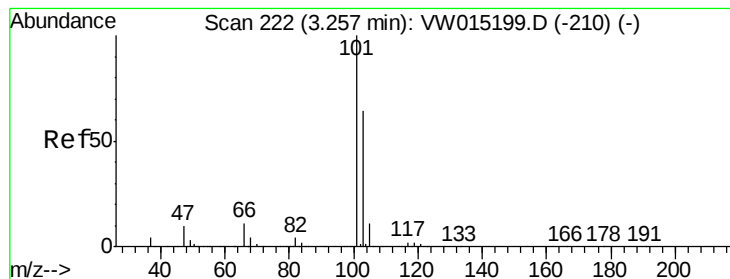
Tgt Ion: 64 Resp: 59559

Ion Ratio Lower Upper

64 100

66 33.3 25.8 38.6



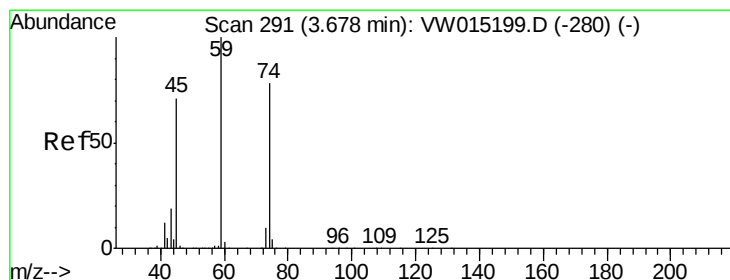
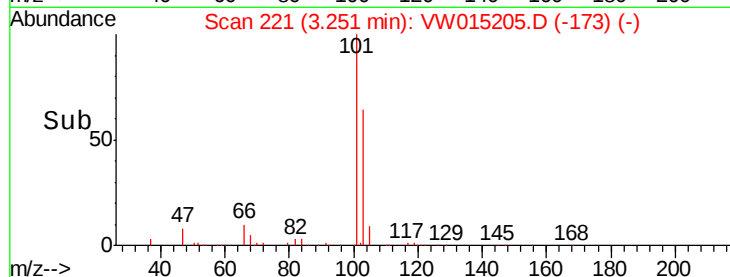
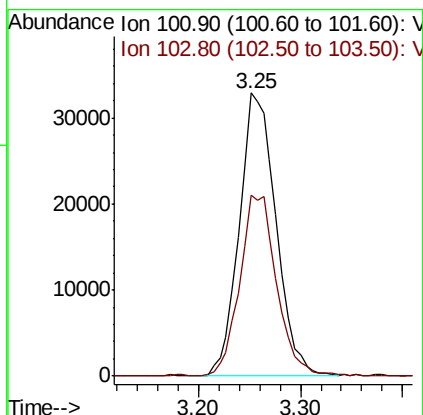
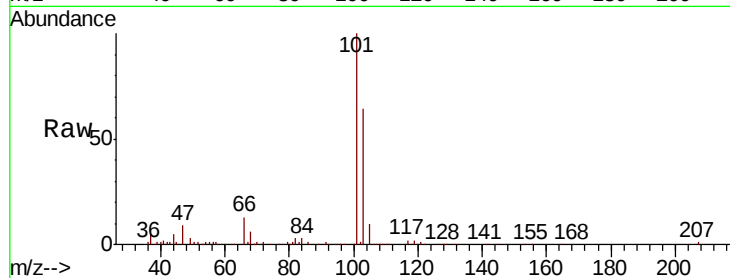


#7

Trichlorofluoromethane
 Concen: 22.361 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.01 min
 Lab File: VW015205.D
 Acq: 15 Apr 2020 16:38

Instrument :
 MSVOA_W
 ClientSampleId :

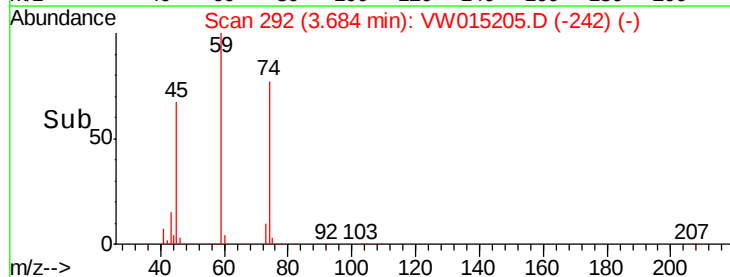
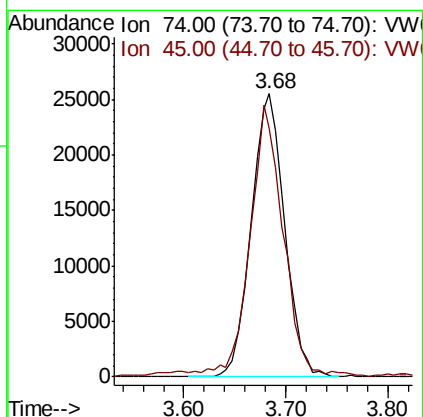
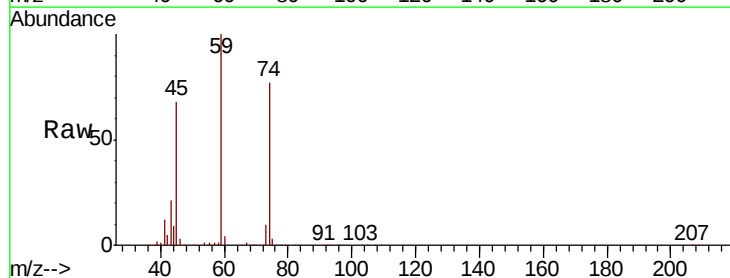
Tot Ion:101 Resp: 82274
 Ion Ratio Lower Upper
 101 100
 103 63.7 51.3 76.9

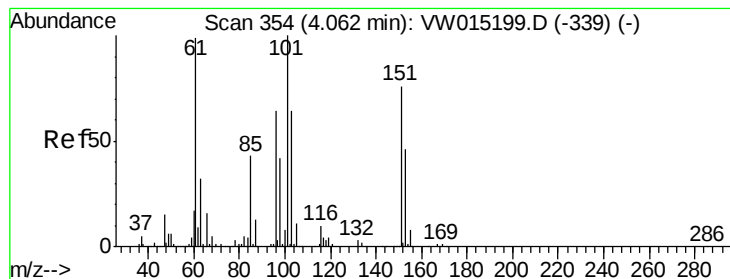


#8

Diethyl Ether
 Concen: 20.439 ug/l
 RT: 3.68 min Scan# 292
 Delta R.T. 0.01 min
 Lab File: VW015205.D
 Acq: 15 Apr 2020 16:38

Tgt Ion: 74 Resp: 57976
 Ion Ratio Lower Upper
 74 100
 45 95.1 45.5 136.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.326 ug/l

RT: 4.07 min Scan# 355

Delta R.T. 0.01 min

Lab File: VW015205.D

Acq: 15 Apr 2020 16:38

Instrument :

MSVOA_W

ClientSampleId :

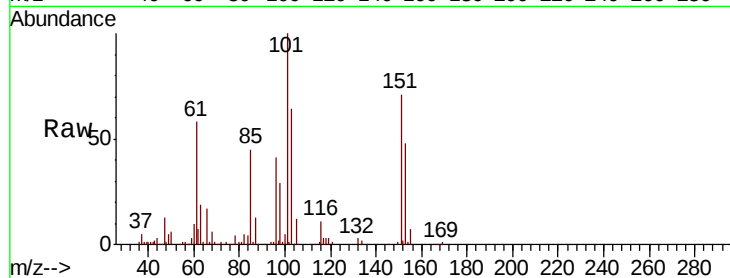
Tot Ion:101 Resp: 119245

Ion Ratio Lower Upper

101 100

85 45.1 35.3 52.9

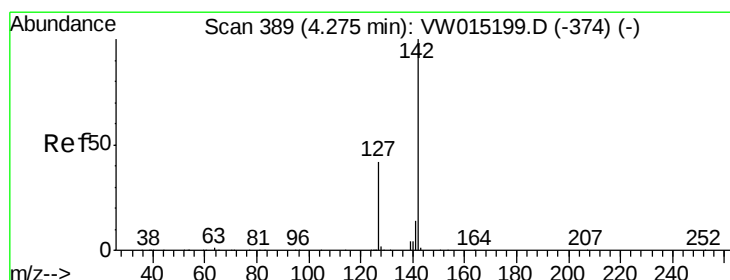
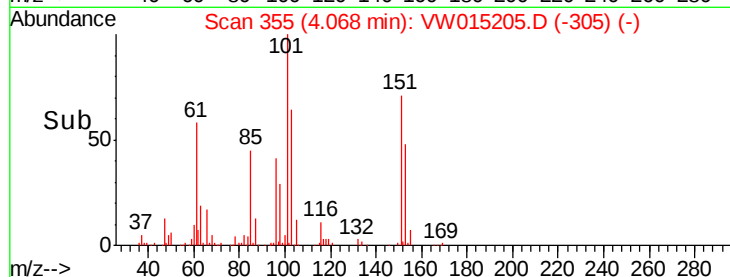
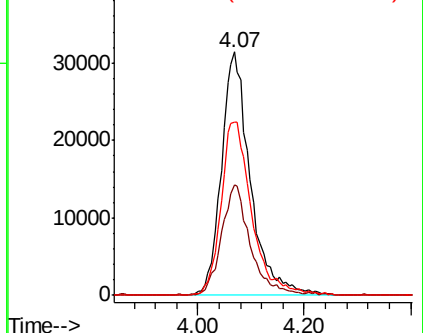
151 75.6 59.3 88.9



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: 21.558 ug/l

RT: 4.27 min Scan# 388

Delta R.T. -0.01 min

Lab File: VW015205.D

Acq: 15 Apr 2020 16:38

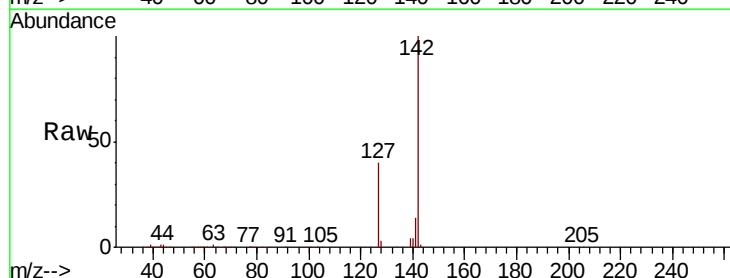
Tgt Ion:142 Resp: 180007

Ion Ratio Lower Upper

142 100

127 42.1 33.9 50.9

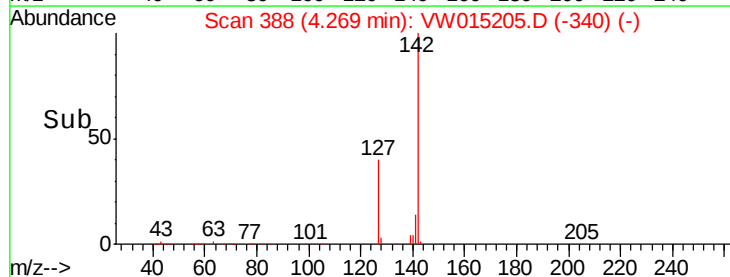
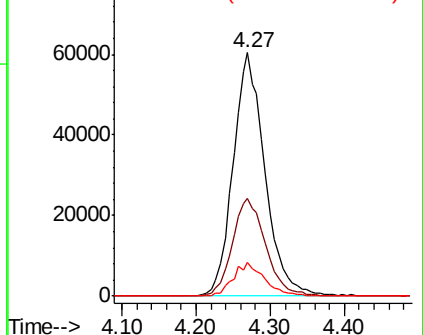
141 13.7 11.4 17.2

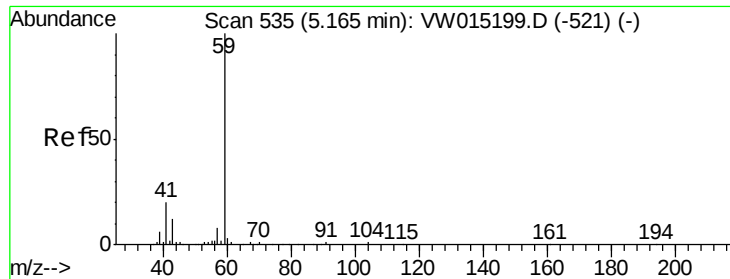


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

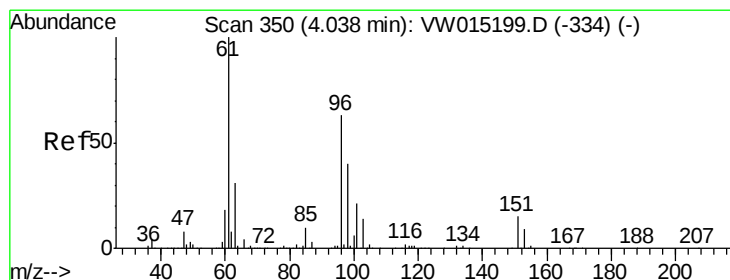
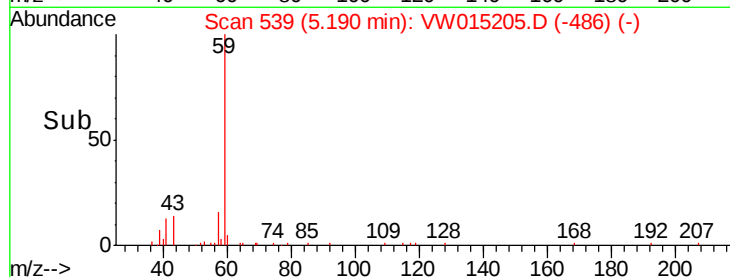
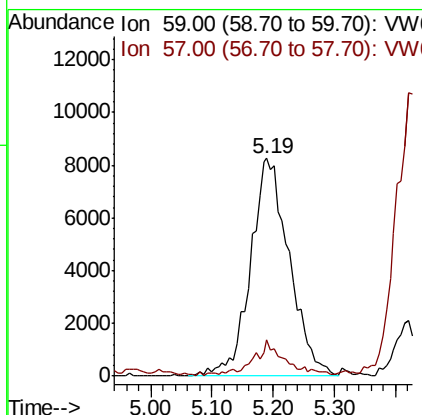
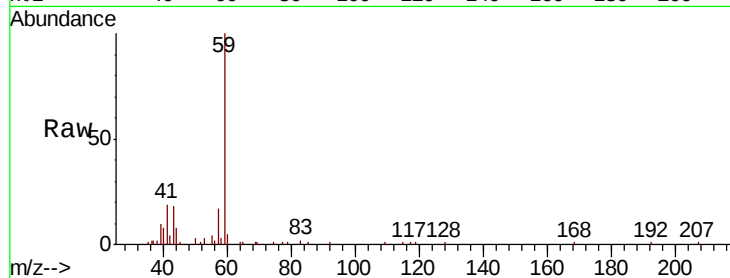




#11
Tert butyl alcohol
Concen: 93.895 ug/l
RT: 5.19 min Scan# 539
Delta R.T. 0.02 min
Lab File: VW015205.D
Acq: 15 Apr 2020 16:38

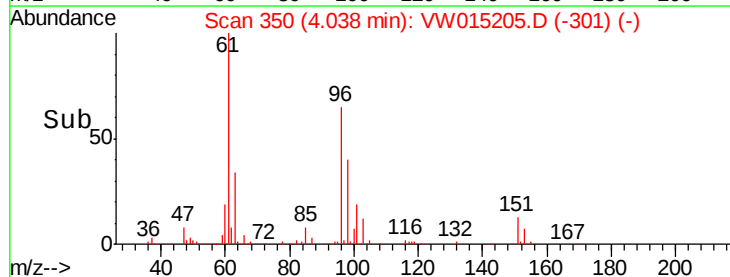
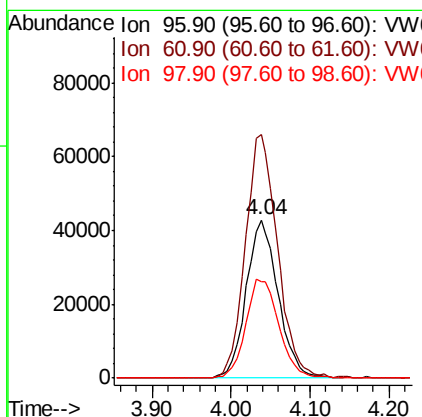
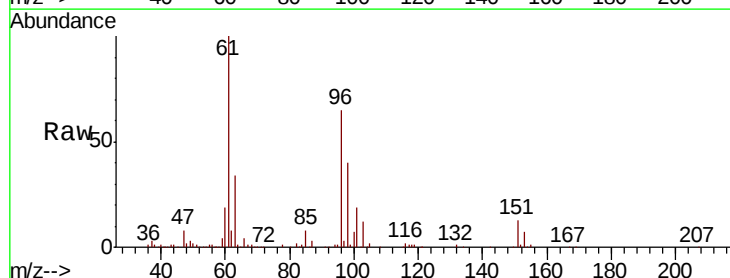
Instrument :
MSVOA_W
ClientSampled :

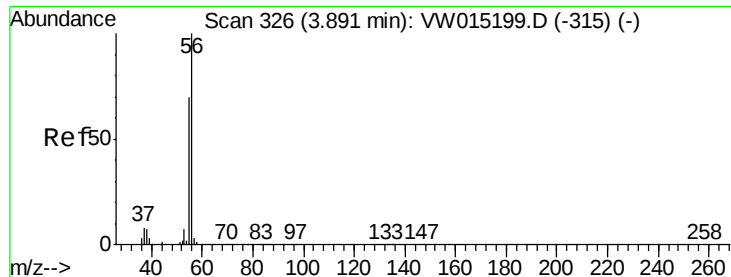
Tot Ion: 59 Resp: 36419
Ion Ratio Lower Upper
59 100
57 10.4 8.4 12.6



#12
1,1-Dichloroethene
Concen: 20.900 ug/l
RT: 4.04 min Scan# 350
Delta R.T. 0.00 min
Lab File: VW015205.D
Acq: 15 Apr 2020 16:38

Tgt Ion: 96 Resp: 120353
Ion Ratio Lower Upper
96 100
61 153.8 127.0 190.4
98 60.8 51.0 76.4

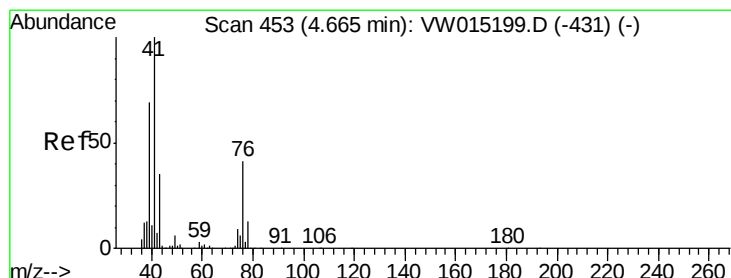
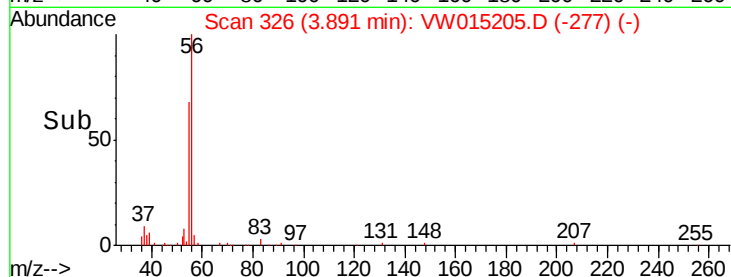
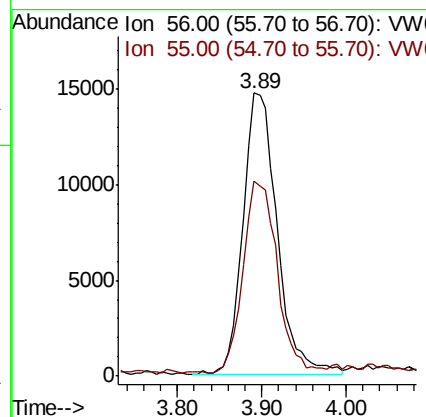
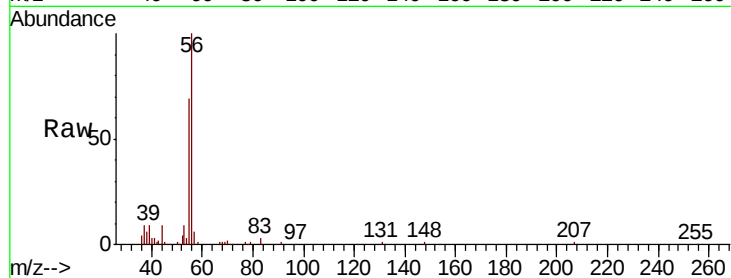




#13
Acrolein
Concen: 100.375 ug/l
RT: 3.89 min Scan# 326
Delta R.T. 0.00 min
Lab File: VW015205.D
Acq: 15 Apr 2020 16:38

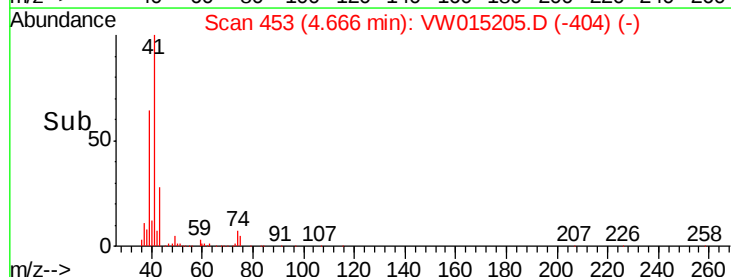
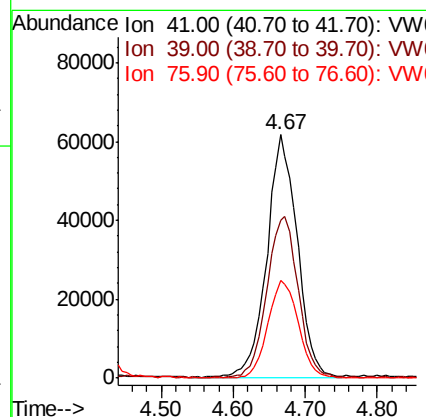
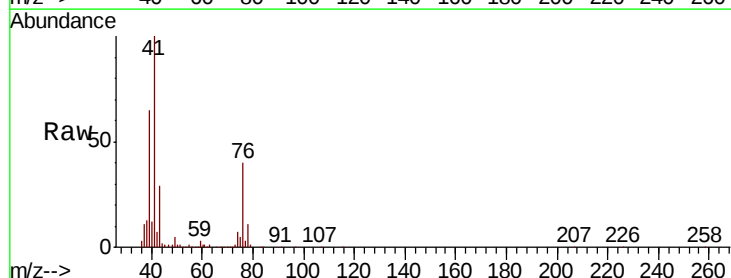
Instrument :
MSVOA_W
ClientSampleId :

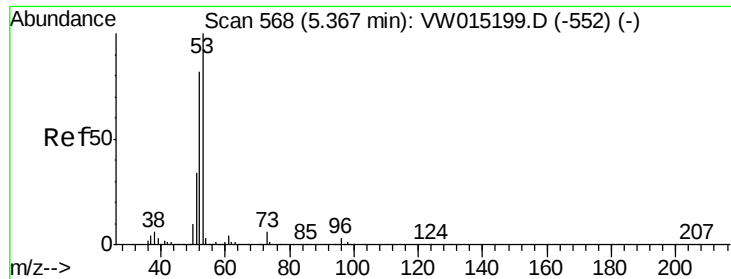
Tot Ion: 56 Resp: 40475
Ion Ratio Lower Upper
56 100
55 67.1 56.2 84.2



#14
Allyl chloride
Concen: 21.135 ug/l
RT: 4.67 min Scan# 453
Delta R.T. 0.00 min
Lab File: VW015205.D
Acq: 15 Apr 2020 16:38

Tgt Ion: 41 Resp: 180042
Ion Ratio Lower Upper
41 100
39 67.7 54.0 81.0
76 40.7 31.8 47.6





#15

Acrylonitrile

Concen: 95.702 ug/l

RT: 5.37 min Scan# 569

Delta R.T. 0.01 min

Lab File: VW015205.D

Acq: 15 Apr 2020 16:38

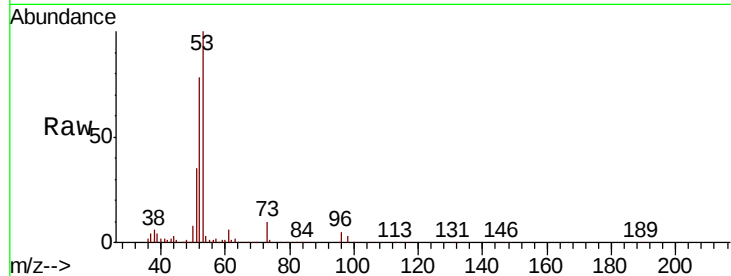
Instrument :

MSVOA_W

ClientSampled :

Tot Ion: 53 Resp: 113927

Ion	Ratio	Lower	Upper
53	100		
52	82.0	65.2	97.8
51	37.1	28.2	42.4

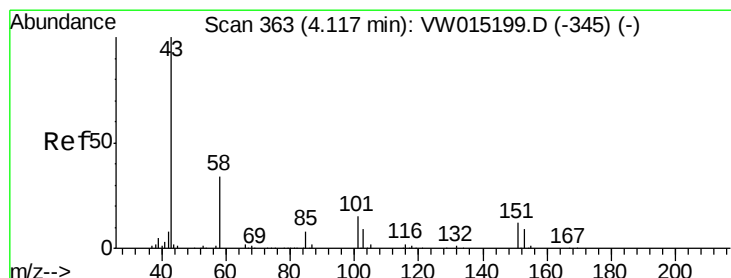
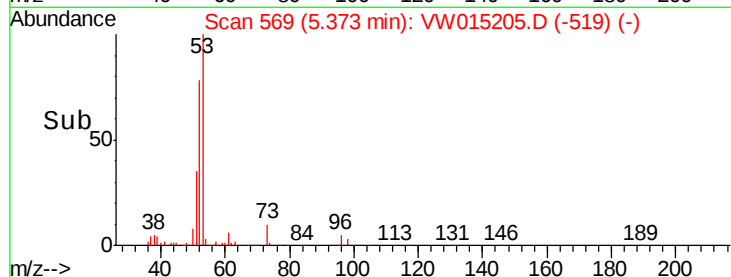


Abundance

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: 93.697 ug/l

RT: 4.14 min Scan# 366

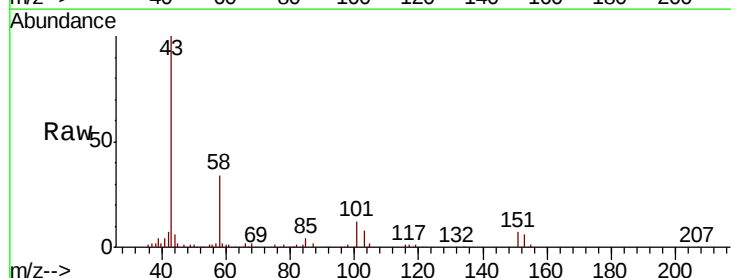
Delta R.T. 0.02 min

Lab File: VW015205.D

Acq: 15 Apr 2020 16:38

Tgt Ion: 43 Resp: 87196

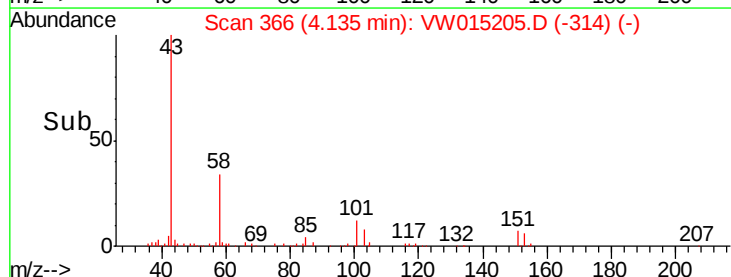
Ion	Ratio	Lower	Upper
43	100		
58	34.0	27.0	40.4

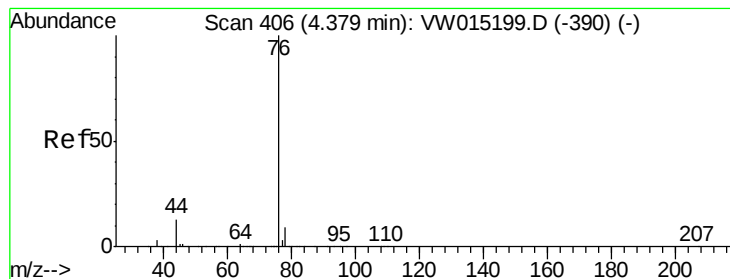


Abundance

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#17

Carbon Disulfide

Concen: 20.811 ug/l

RT: 4.38 min Scan# 406

Delta R.T. 0.00 min

Lab File: VW015205.D

Acq: 15 Apr 2020 16:38

Instrument :

MSVOA_W

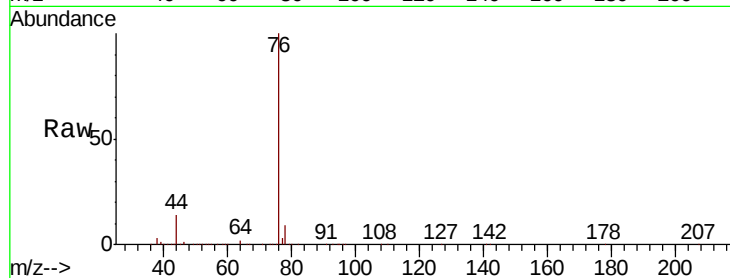
ClientSampled :

Tot Ion: 76 Resp: 364764

Ion Ratio Lower Upper

76 100

78 9.0 7.0 10.6



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW

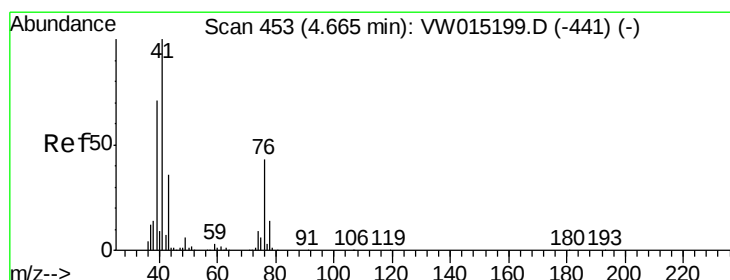
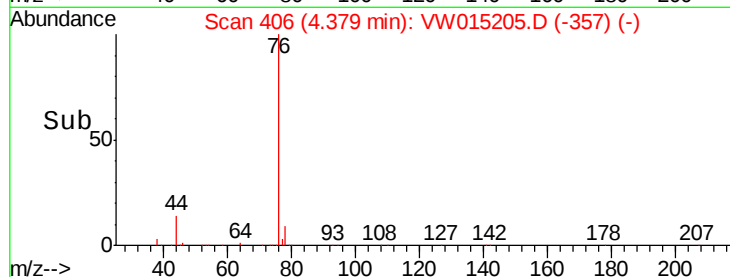
4.38

100000

50000

0

Time--> 4.20 4.30 4.40 4.50



#18

Methyl Acetate

Concen: 20.417 ug/l

RT: 4.67 min Scan# 454

Delta R.T. 0.01 min

Lab File: VW015205.D

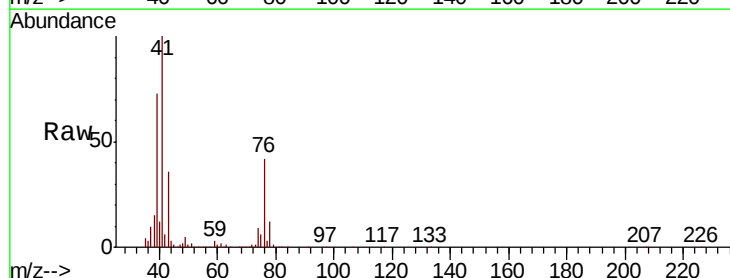
Acq: 15 Apr 2020 16:38

Tgt Ion: 43 Resp: 58103

Ion Ratio Lower Upper

43 100

74 24.1 20.6 31.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

4.67

20000

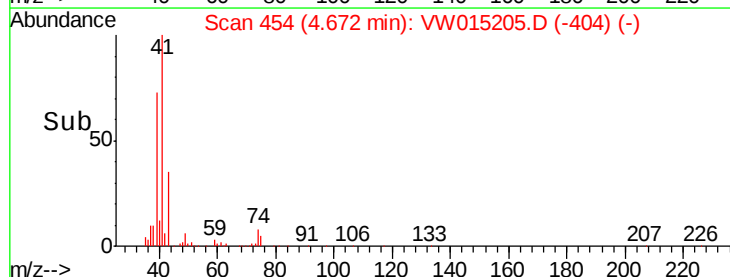
15000

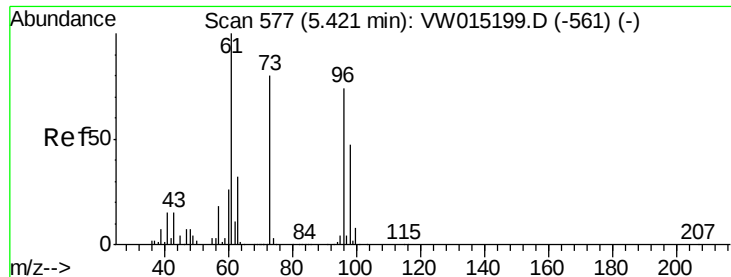
10000

5000

0

Time--> 4.60 4.70 4.80

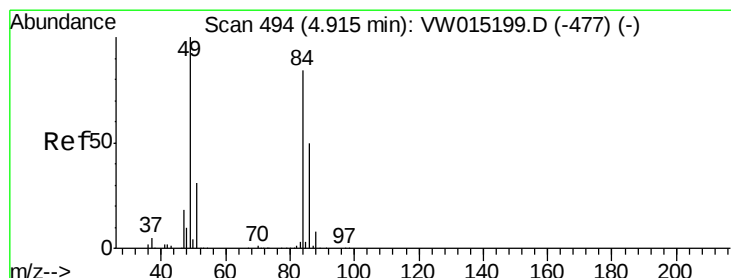
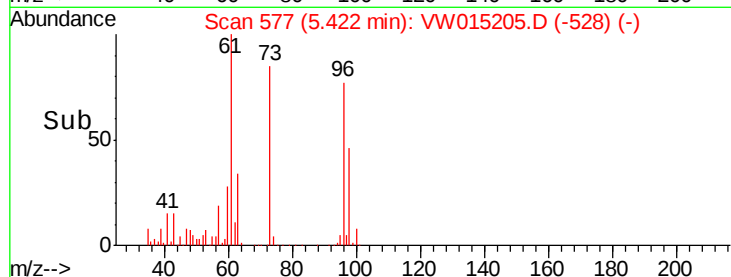
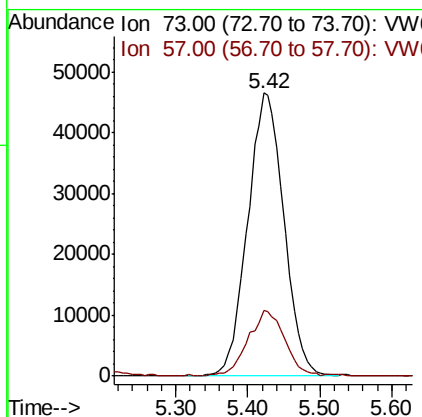
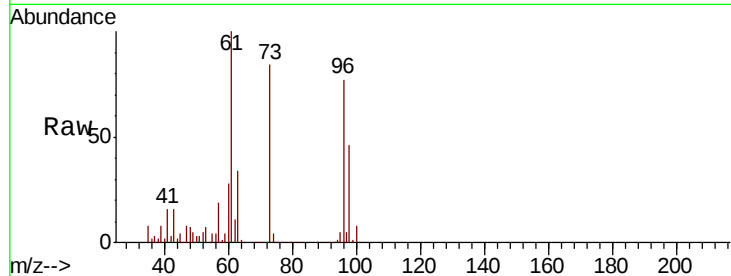




#19
Methyl tert-butyl Ether
Concen: 21.568 ug/l
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW015205.D
Acq: 15 Apr 2020 16:38

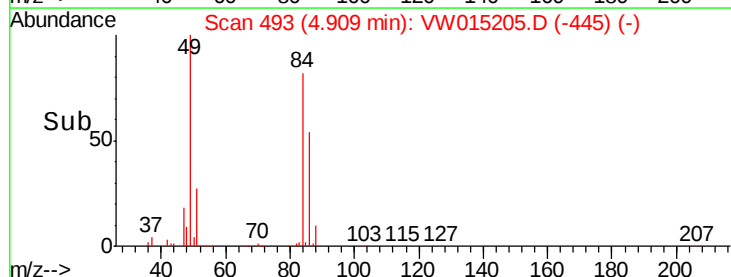
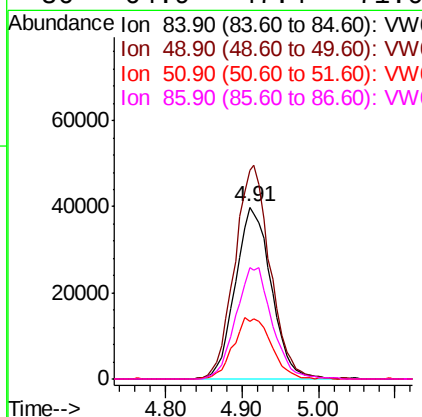
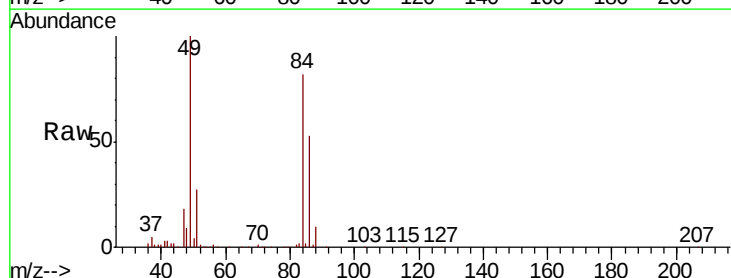
Instrument :
MSVOA_W
ClientSampled :

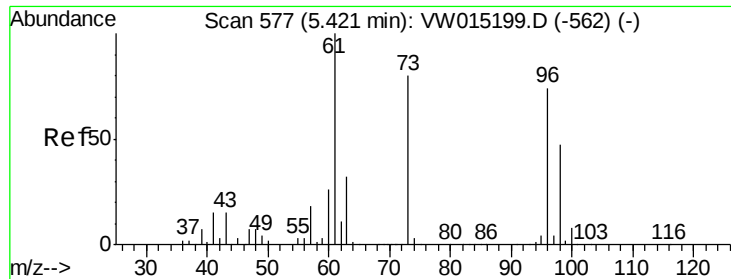
Tot Ion: 73 Resp: 162665
Ion Ratio Lower Upper
73 100
57 22.6 17.8 26.6



#20
Methylene Chloride
Concen: 20.177 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW015205.D
Acq: 15 Apr 2020 16:38

Tgt Ion: 84 Resp: 130037
Ion Ratio Lower Upper
84 100
49 121.5 95.4 143.0
51 33.2 29.8 44.8
86 64.9 47.4 71.0

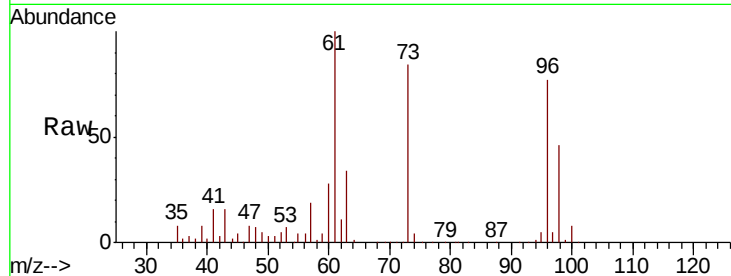




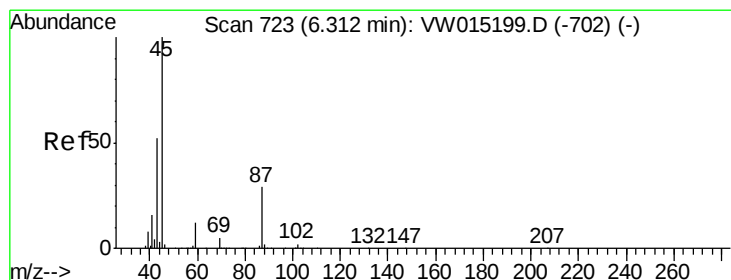
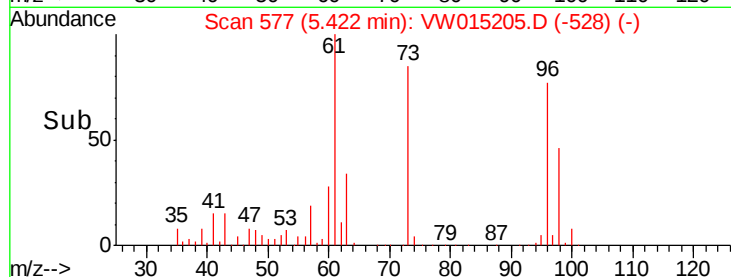
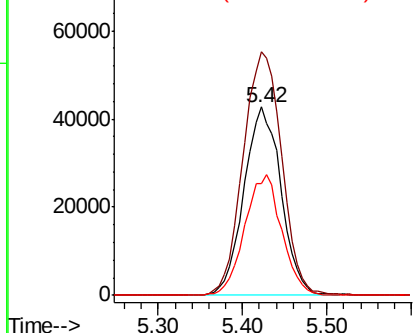
#21
trans-1,2-Dichloroethene
Concen: 21.038 ug/l
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW015205.D
Acq: 15 Apr 2020 16:38

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 96 Resp: 127825
Ion Ratio Lower Upper
96 100
61 129.3 107.8 161.6
98 59.0 50.2 75.2

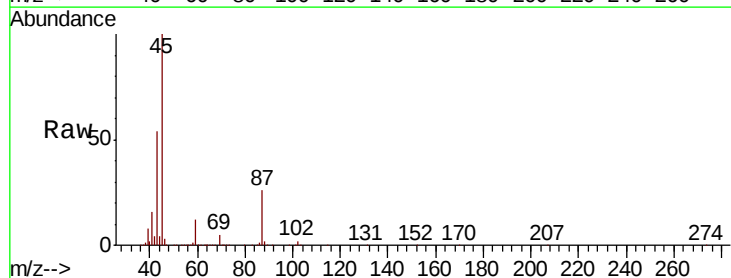


Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW

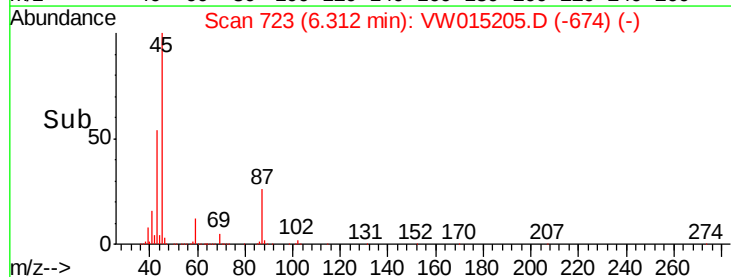
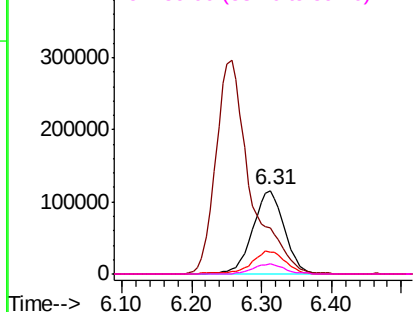


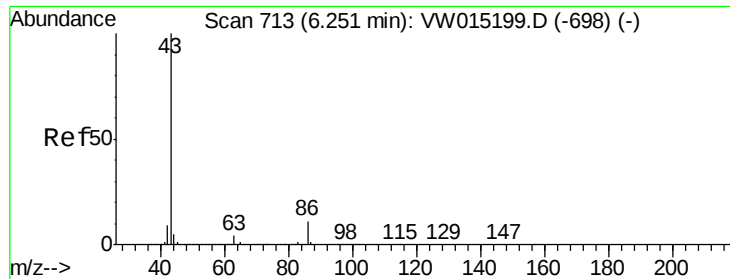
#22
Diisopropyl ether
Concen: 21.048 ug/l
RT: 6.31 min Scan# 723
Delta R.T. 0.00 min
Lab File: VW015205.D
Acq: 15 Apr 2020 16:38

Tgt Ion: 45 Resp: 361627
Ion Ratio Lower Upper
45 100
43 53.6 41.8 62.6
87 26.0 23.2 34.8
59 12.2 9.6 14.4



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: 101.311 ug/l

RT: 6.26 min Scan# 714

Delta R.T. 0.01 min

Lab File: VW015205.D

Acq: 15 Apr 2020 16:38

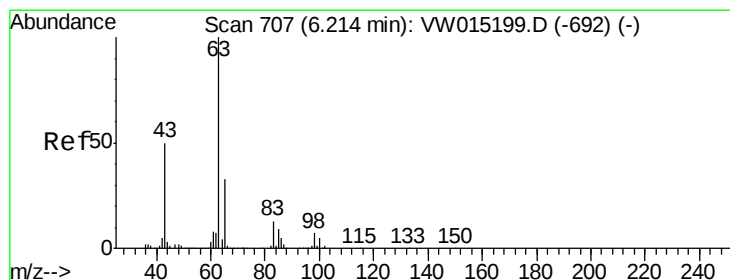
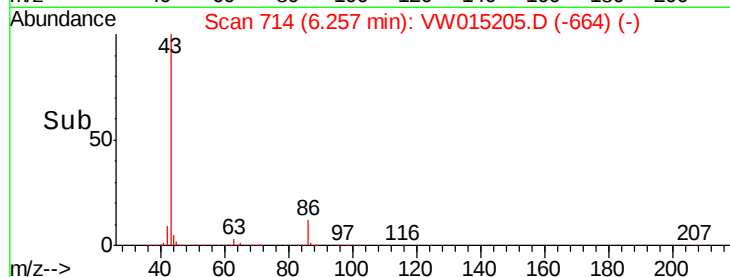
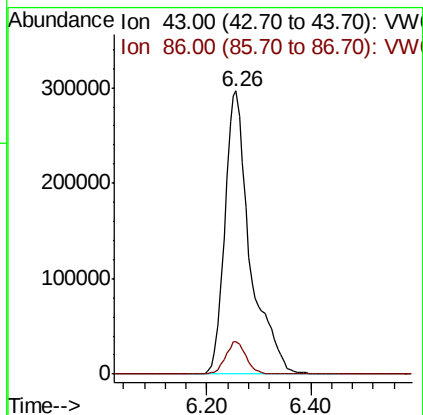
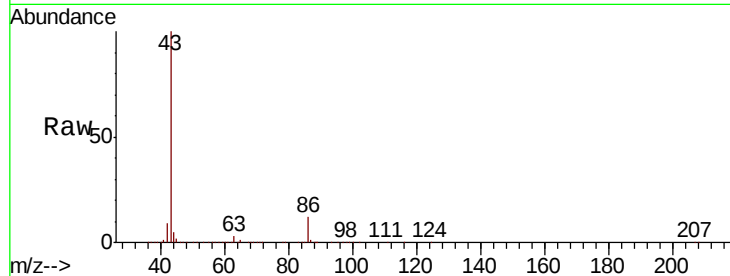
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 43 Resp: 1010850

Ion Ratio Lower Upper

43 100

86 11.7 9.1 13.7



#24

1,1-Dichloroethane

Concen: 21.192 ug/l

RT: 6.21 min Scan# 707

Delta R.T. 0.00 min

Lab File: VW015205.D

Acq: 15 Apr 2020 16:38

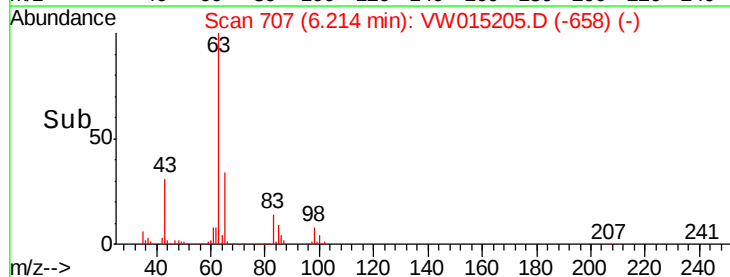
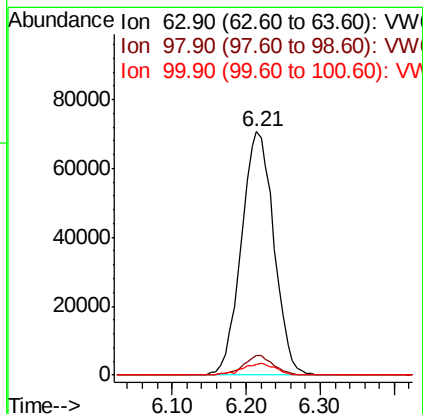
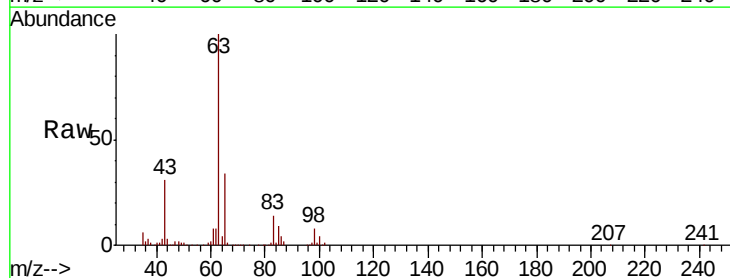
Tgt Ion: 63 Resp: 216464

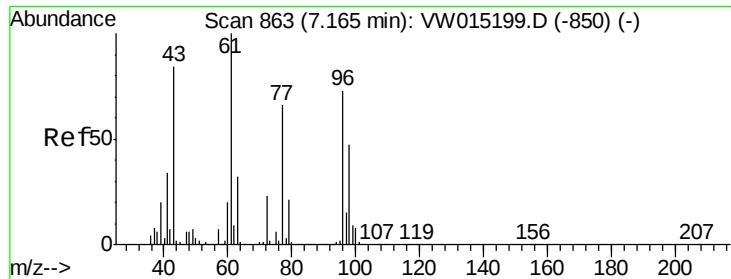
Ion Ratio Lower Upper

63 100

98 7.7 3.6 10.9

100 4.5 2.4 7.2





#25

2-Butanone

Concen: 94.366 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW015205.D

Acq: 15 Apr 2020 16:38

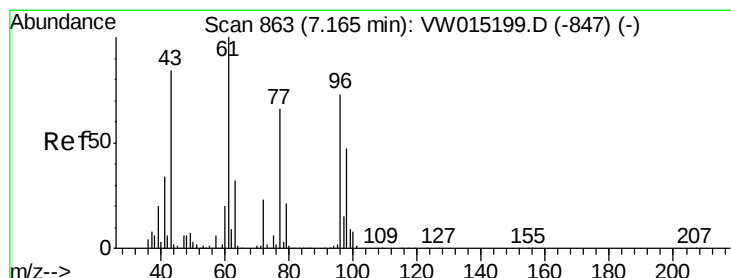
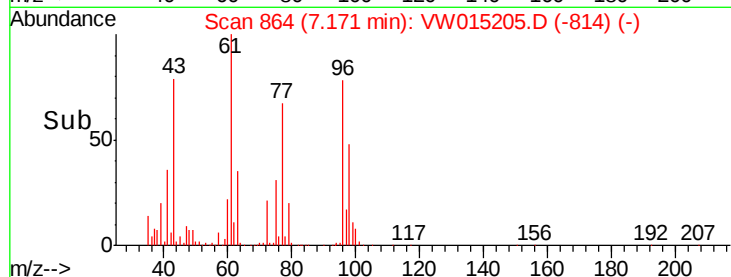
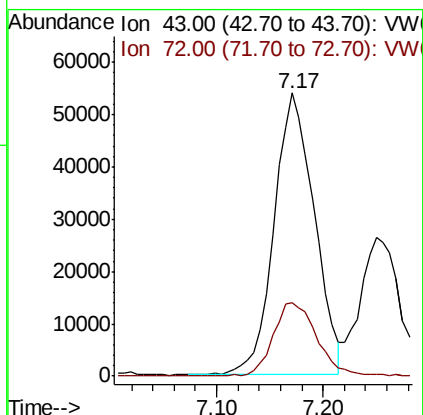
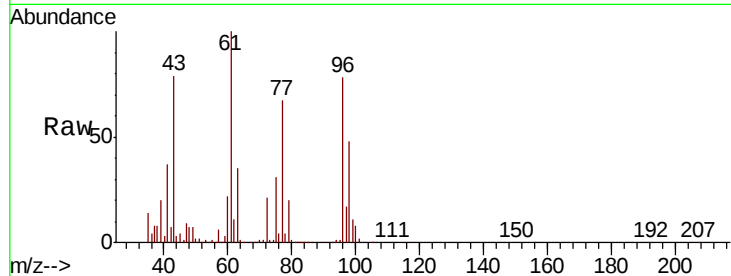
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 140531

Ion Ratio Lower Upper

43 100

72 26.3 21.6 32.4



#26

2,2-Dichloropropane

Concen: 21.787 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW015205.D

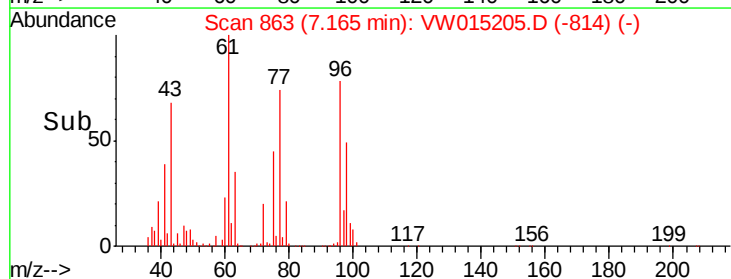
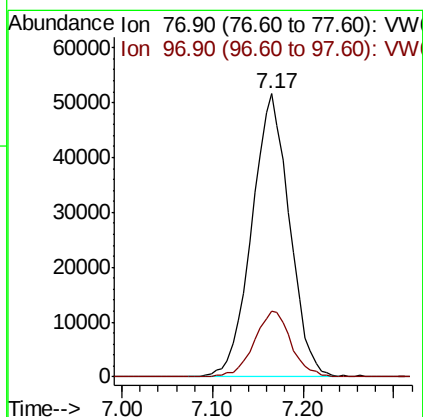
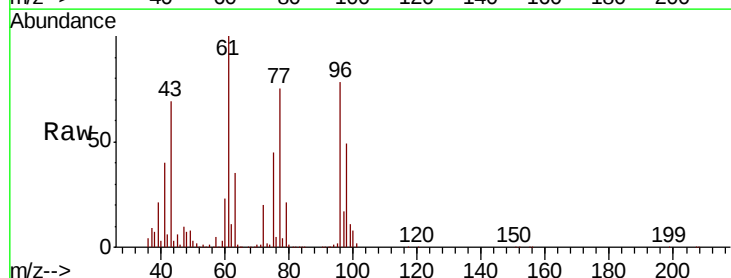
Acq: 15 Apr 2020 16:38

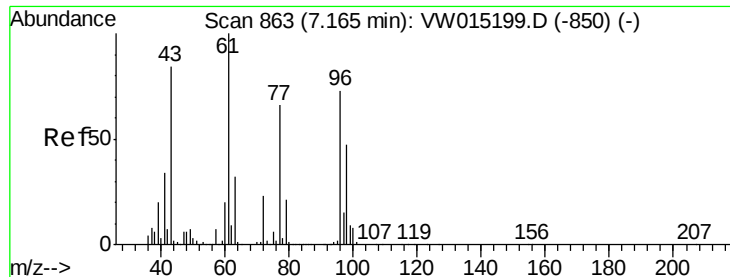
Tgt Ion: 77 Resp: 148109

Ion Ratio Lower Upper

77 100

97 22.8 11.9 35.5



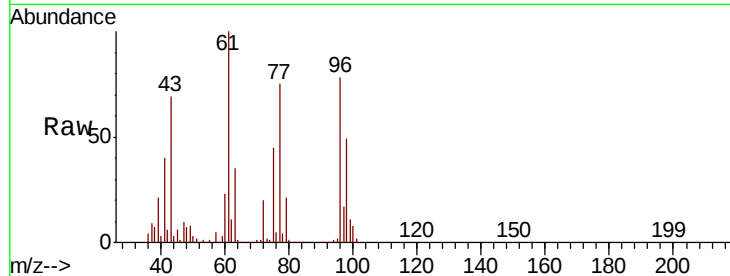


#27

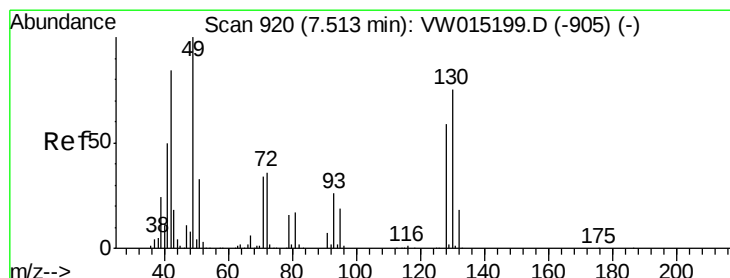
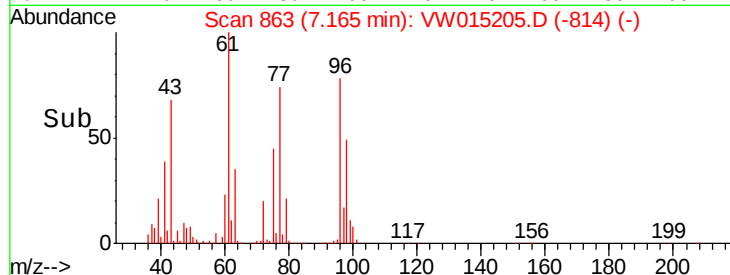
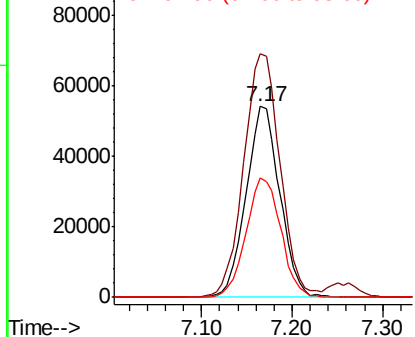
cis-1,2-Dichloroethene
Concen: 21.369 ug/l
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW015205.D
Acq: 15 Apr 2020 16:38

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion	96	Resp	139964
Ion	Ratio	Lower	Upper
96	100		
61	137.5	0.0	275.0
98	64.2	0.0	130.8



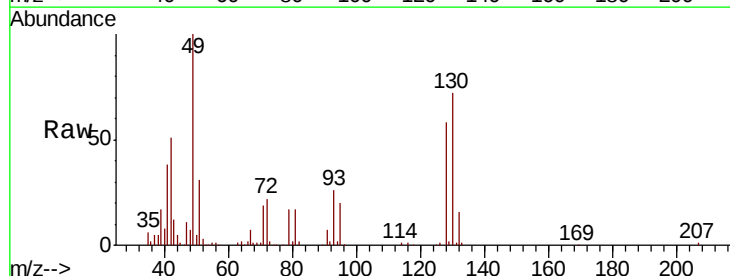
Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



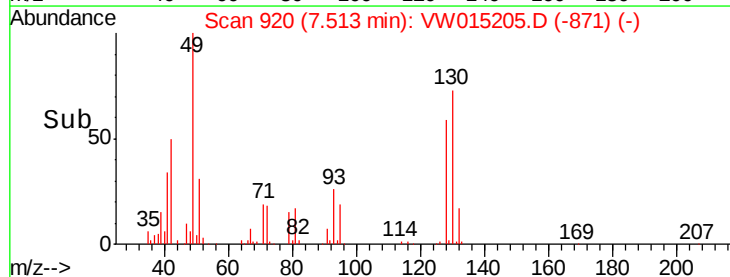
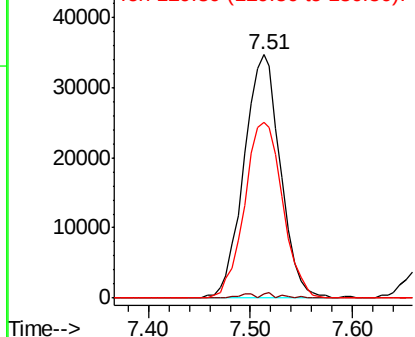
#28

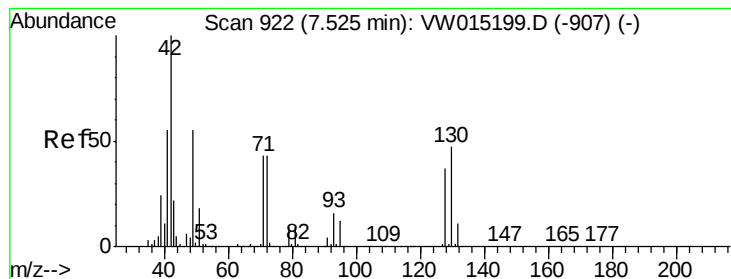
Bromochloromethane
Concen: 20.109 ug/l
RT: 7.51 min Scan# 920
Delta R.T. 0.00 min
Lab File: VW015205.D
Acq: 15 Apr 2020 16:38

Tgt Ion	49	Resp	85847
Ion	Ratio	Lower	Upper
49	100		
129	1.1	0.0	4.6
130	75.6	60.9	91.3



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





#29

Tetrahydrofuran

Concen: 93.692 ug/l

RT: 7.53 min Scan# 923

Delta R.T. 0.01 min

Lab File: VW015205.D

Acq: 15 Apr 2020 16:38

Instrument :

MSVOA_W

ClientSampled :

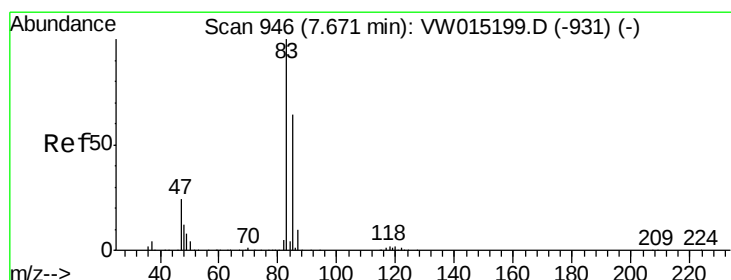
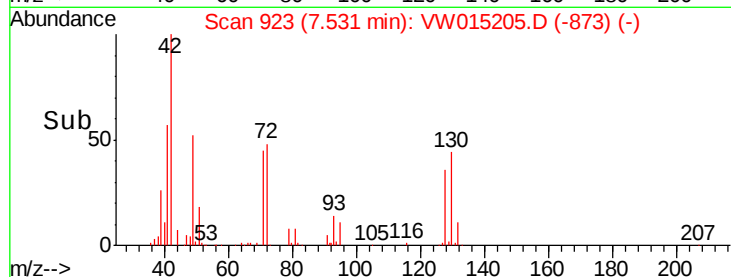
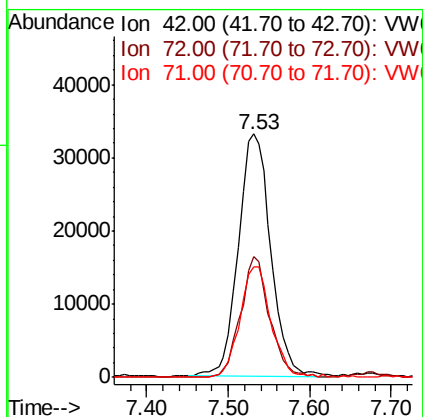
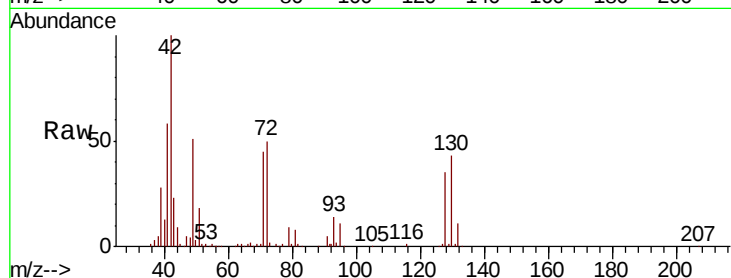
Tot Ion: 42 Resp: 91461

Ion Ratio Lower Upper

42 100

72 44.7 36.2 54.2

71 43.8 34.2 51.4



#30

Chloroform

Concen: 20.771 ug/l

RT: 7.68 min Scan# 947

Delta R.T. 0.01 min

Lab File: VW015205.D

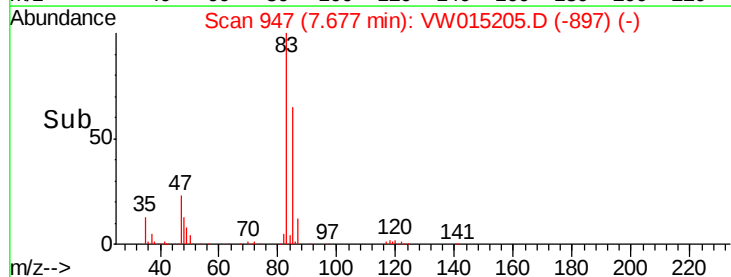
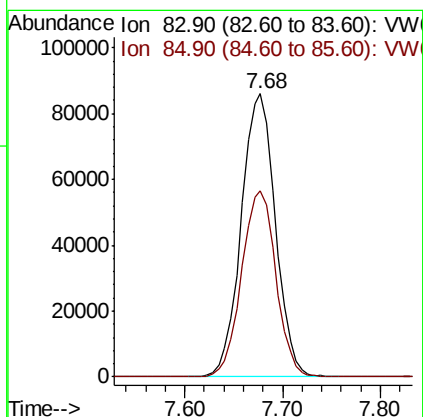
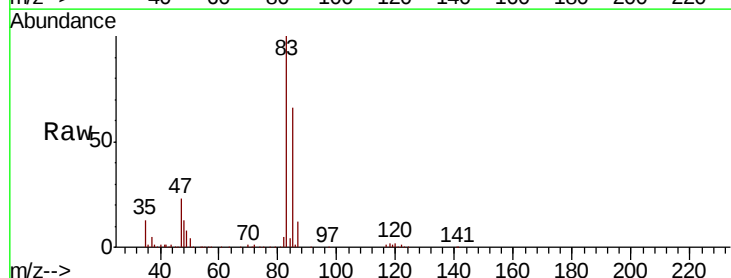
Acq: 15 Apr 2020 16:38

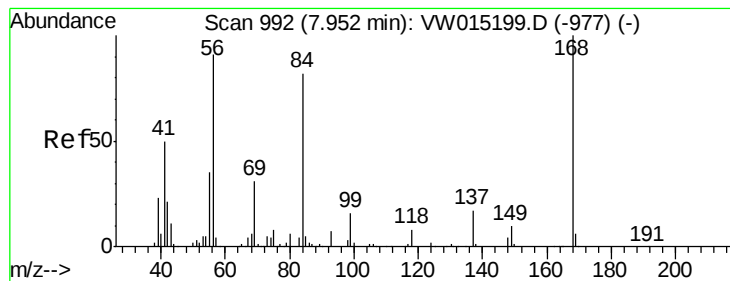
Tgt Ion: 83 Resp: 207834

Ion Ratio Lower Upper

83 100

85 65.6 50.9 76.3





#31

Cyclohexane

Concen: 20.707 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW015205.D

Acq: 15 Apr 2020 16:38

Instrument :
MSVOA_W
ClientSampled :

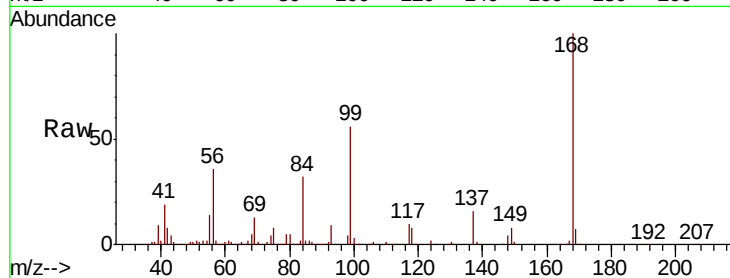
Tot Ion: 56 Resp: 226085

Ion Ratio Lower Upper

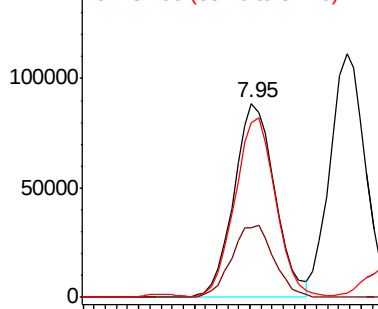
56 100

69 35.9 27.1 40.7

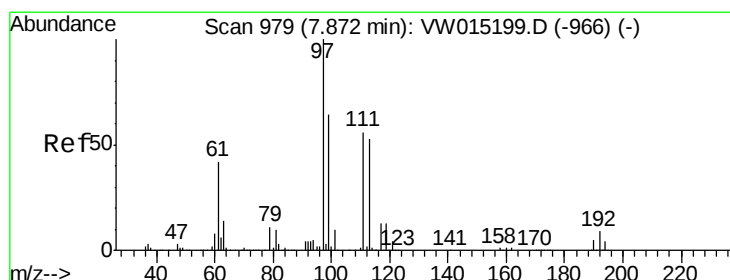
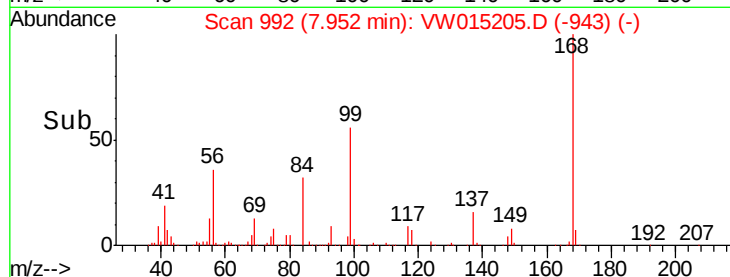
84 88.9 71.9 107.9



Abundance Ion 56.00 (55.70 to 56.70): VW
150000 Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW



Time--> 7.80 7.85 7.90 7.95 8.00



#32

1,1,1-Trichloroethane

Concen: 21.522 ug/l

RT: 7.87 min Scan# 979

Delta R.T. 0.00 min

Lab File: VW015205.D

Acq: 15 Apr 2020 16:38

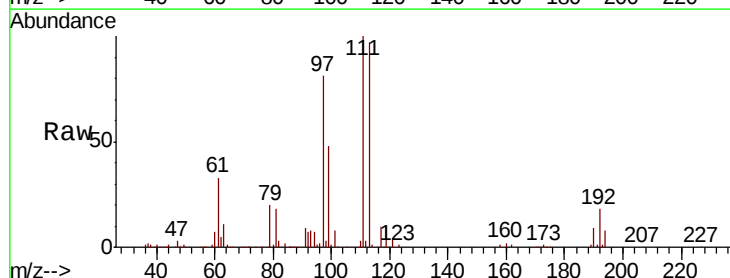
Tgt Ion: 97 Resp: 181409

Ion Ratio Lower Upper

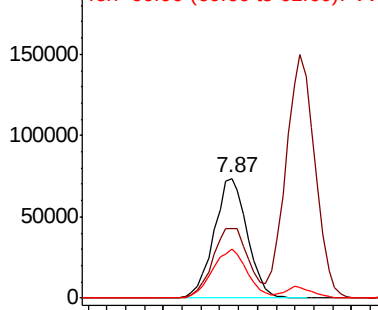
97 100

99 63.5 52.2 78.2

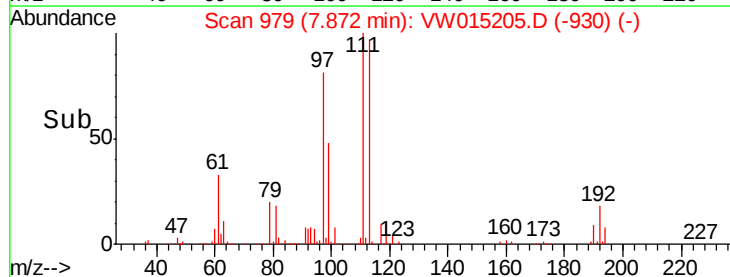
61 42.4 34.2 51.2

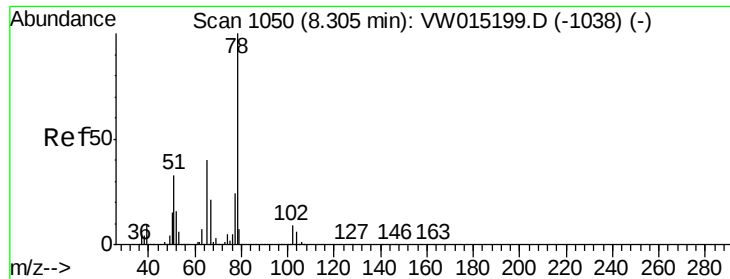


Abundance Ion 96.90 (96.60 to 97.60): VW
200000 Ion 98.90 (98.60 to 99.60): VW
Ion 60.90 (60.60 to 61.60): VW



Time--> 7.80 7.85 7.90 7.95 8.00





#33

1,2-Dichloroethane-d4

Concen: 48.618 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW015205.D

Acq: 15 Apr 2020 16:38

Instrument :

MSVOA_W

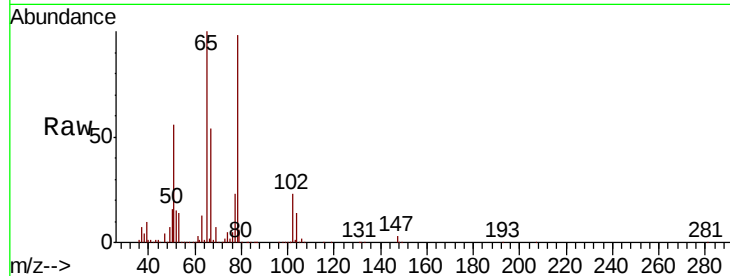
ClientSampleId :

Tot Ion: 65 Resp: 254022

Ion Ratio Lower Upper

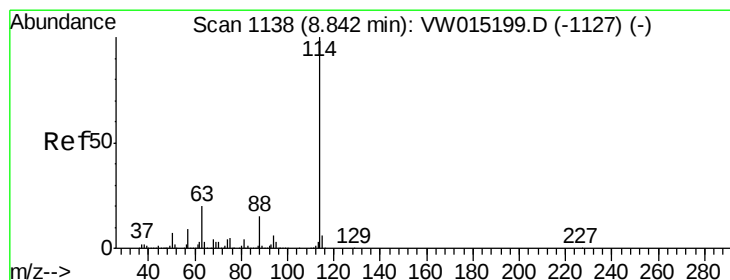
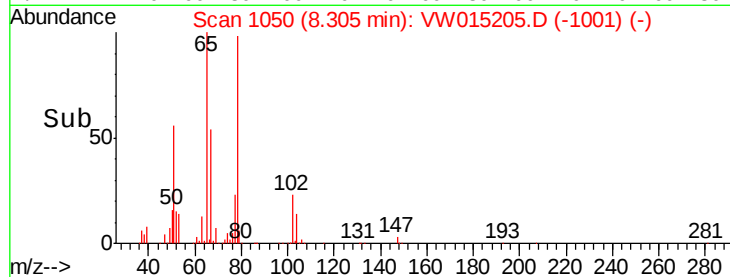
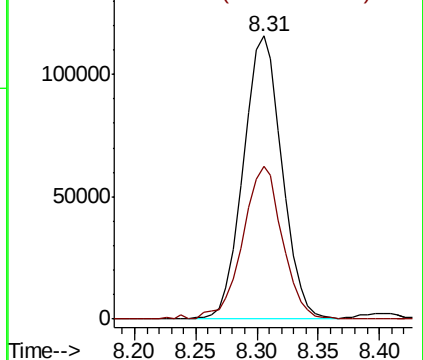
65 100

67 55.3 0.0 107.0



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VW015205.D

Acq: 15 Apr 2020 16:38

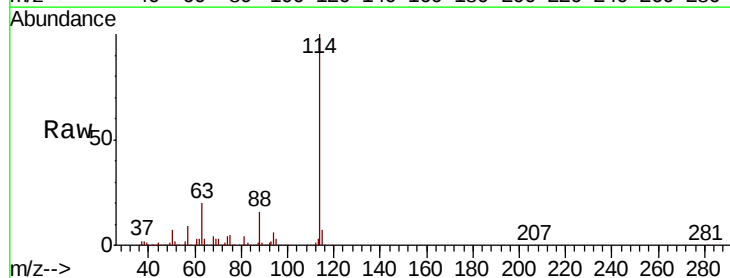
Tgt Ion: 114 Resp: 942345

Ion Ratio Lower Upper

114 100

63 19.7 0.0 39.8

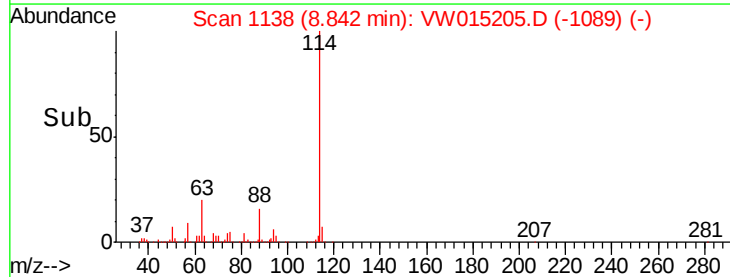
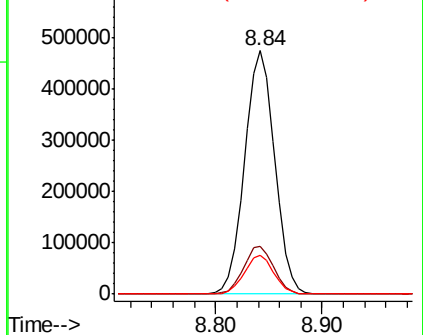
88 15.8 0.0 30.2

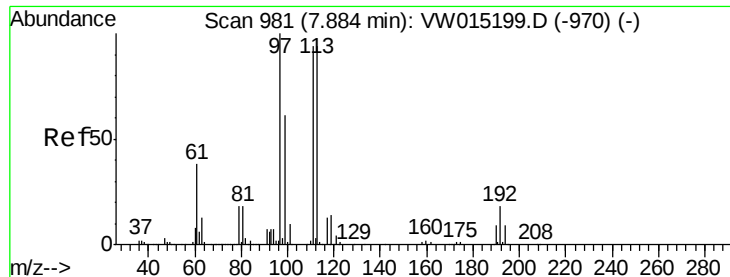


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW

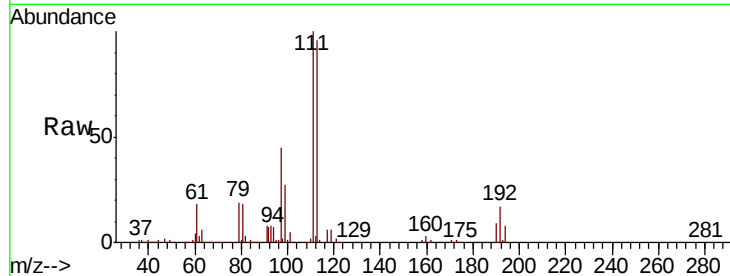




#35
 Dibromofluoromethane
 Concen: 50.899 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW015205.D
 Acq: 15 Apr 2020 16:38

Instrument :
 MSVOA_W
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.6	83.0	124.4
192	18.5	15.1	22.7

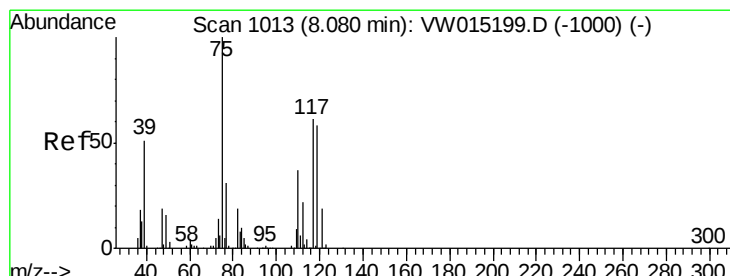
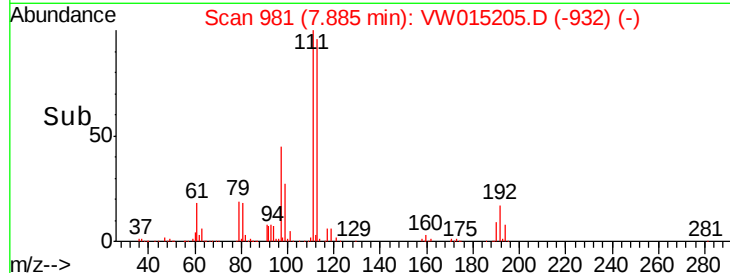
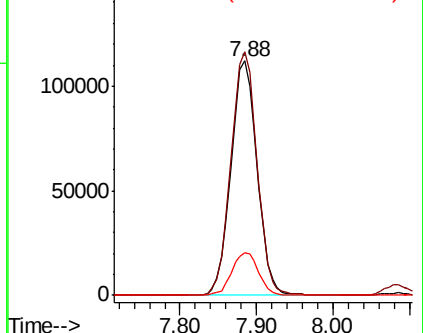


Abundance

Ion 112.80 (112.50 to 113.50): V

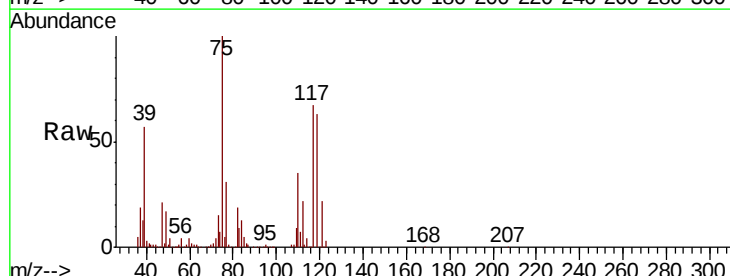
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36
 1,1-Dichloropropene
 Concen: 20.913 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: VW015205.D
 Acq: 15 Apr 2020 16:38

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.0	18.2	54.6
77	31.7	24.5	36.7

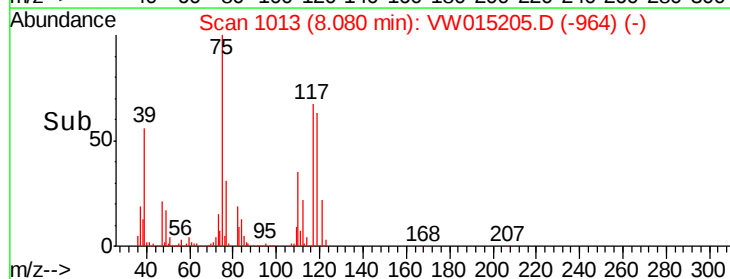
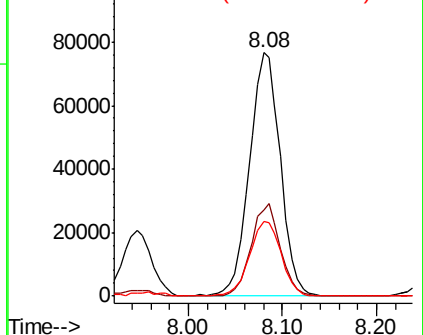


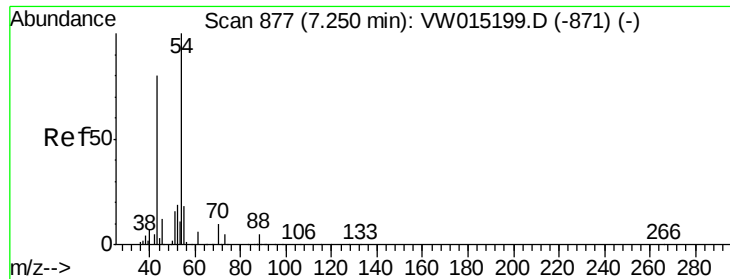
Abundance

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

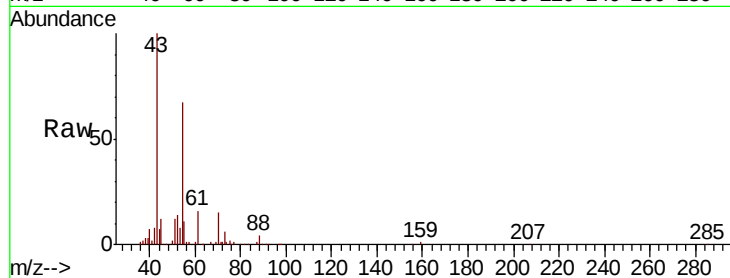




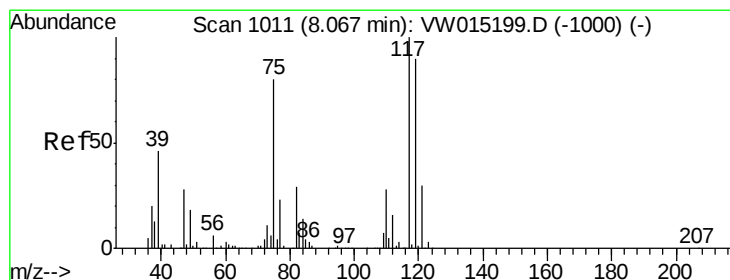
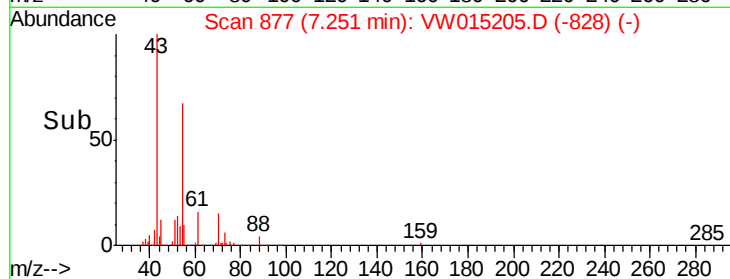
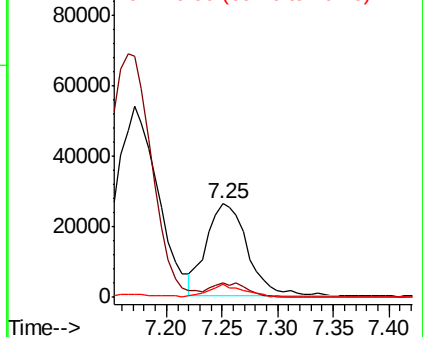
#37
Ethyl Acetate
Concen: 19.460 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW015205.D
Acq: 15 Apr 2020 16:38

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 43 Resp: 68182
Ion Ratio Lower Upper
43 100
61 13.6 11.9 17.9
70 11.0 8.8 13.2

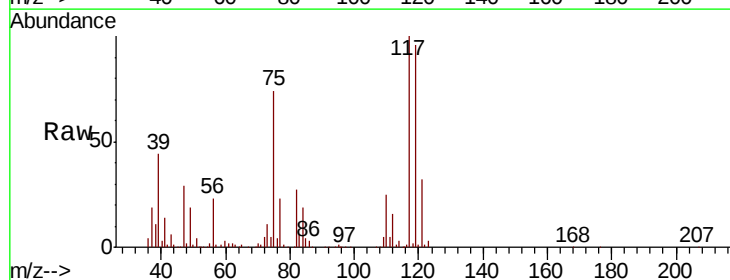


Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 70.00 (69.70 to 70.70): VW

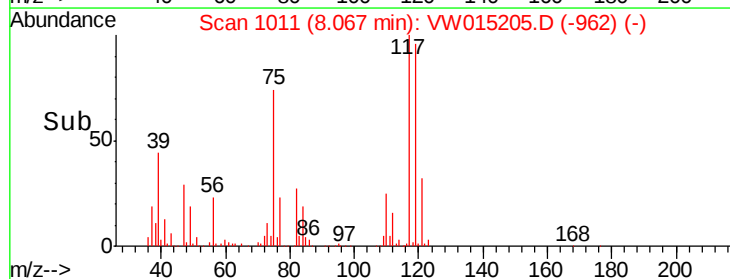
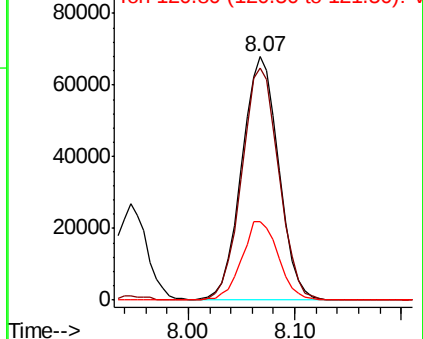


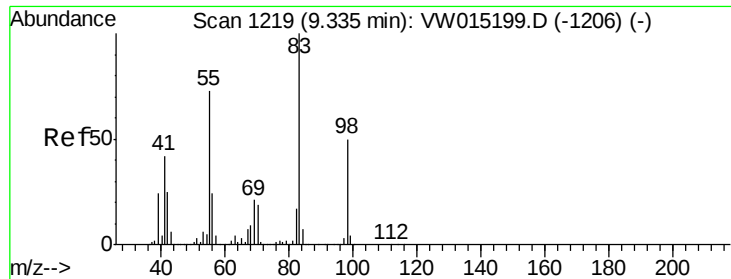
#38
Carbon Tetrachloride
Concen: 21.348 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW015205.D
Acq: 15 Apr 2020 16:38

Tgt Ion: 117 Resp: 165230
Ion Ratio Lower Upper
117 100
119 95.5 72.3 108.5
121 32.3 23.7 35.5



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

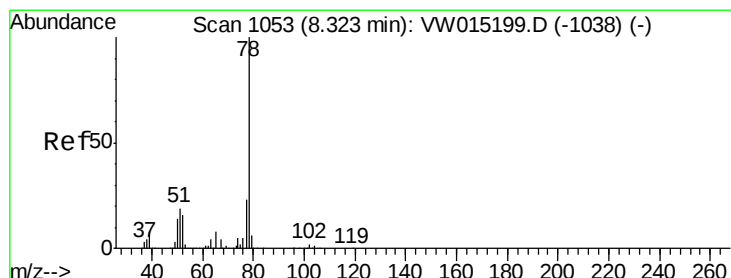
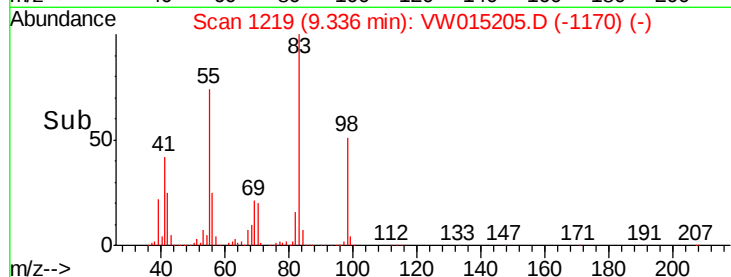
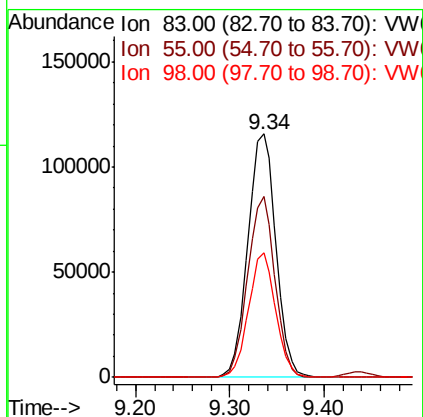
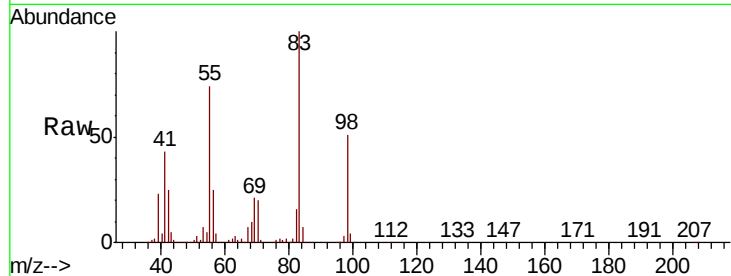




#39
Methvlcvclohexane
Concen: 21.483 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW015205.D
Acq: 15 Apr 2020 16:38

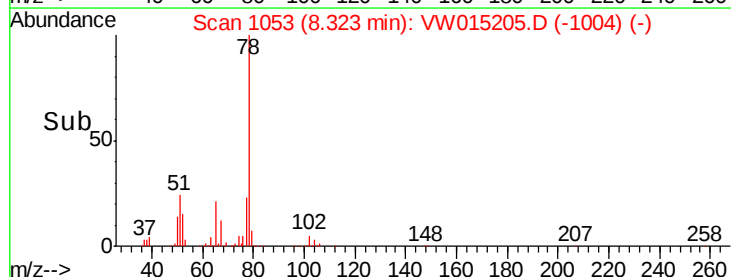
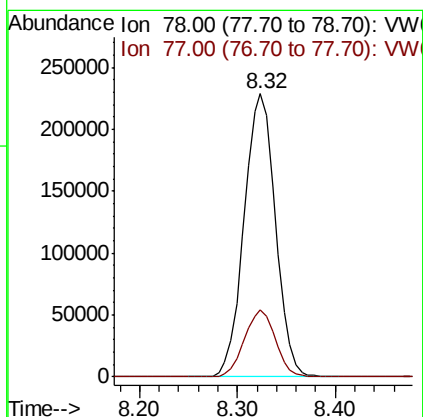
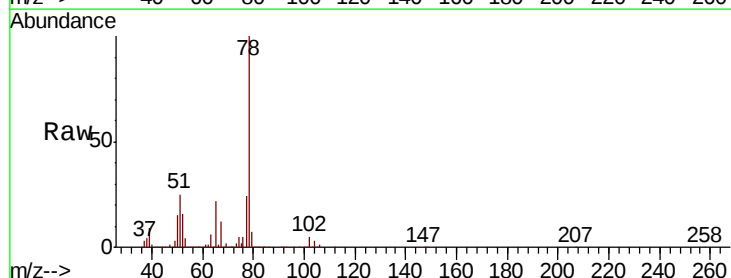
Instrument :
MSVOA_W
ClientSampleId :

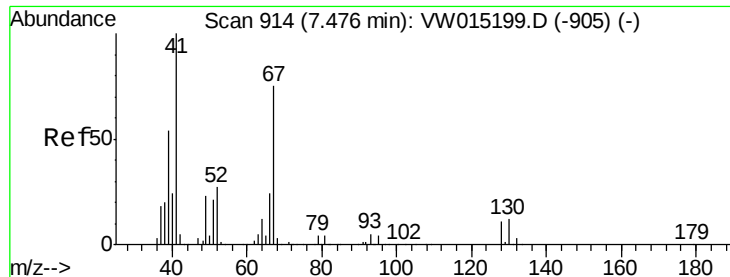
Tot Ion: 83 Resp: 243036
Ion Ratio Lower Upper
83 100
55 74.2 58.1 87.1
98 51.3 40.2 60.4



#40
Benzene
Concen: 21.325 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW015205.D
Acq: 15 Apr 2020 16:38

Tgt Ion: 78 Resp: 509757
Ion Ratio Lower Upper
78 100
77 23.5 18.2 27.2

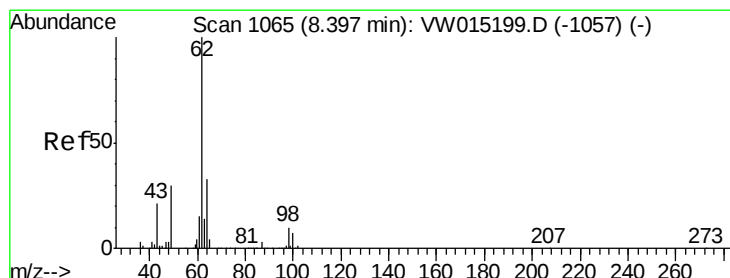
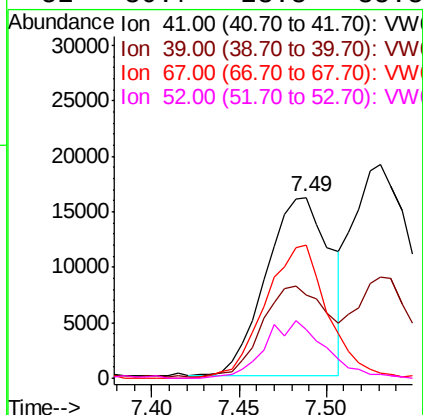
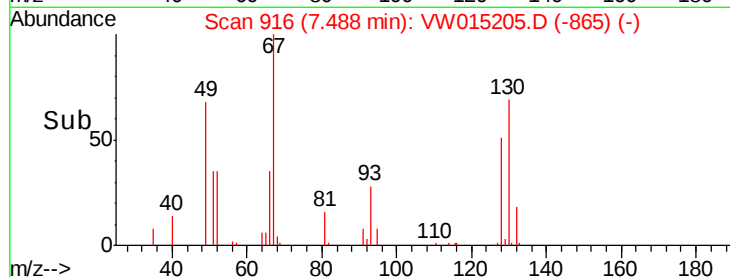
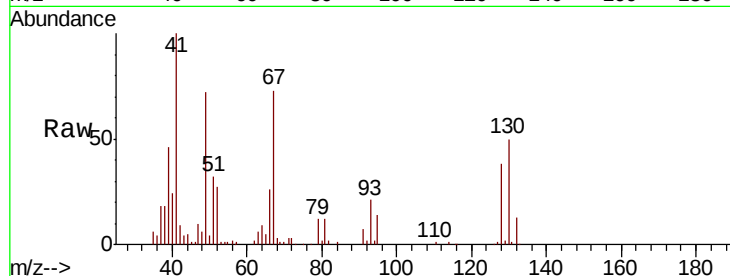




#41
Methacrylonitrile
Concen: 19.824 ug/l
RT: 7.49 min Scan# 916
Delta R.T. 0.01 min
Lab File: VW015205.D
Acq: 15 Apr 2020 16:38

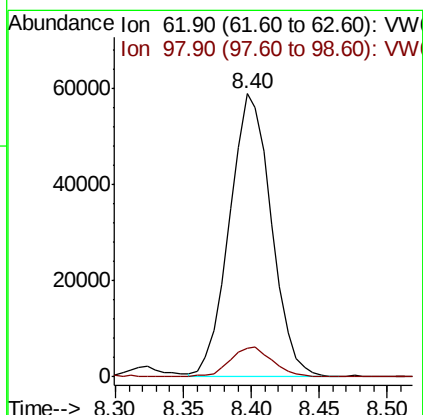
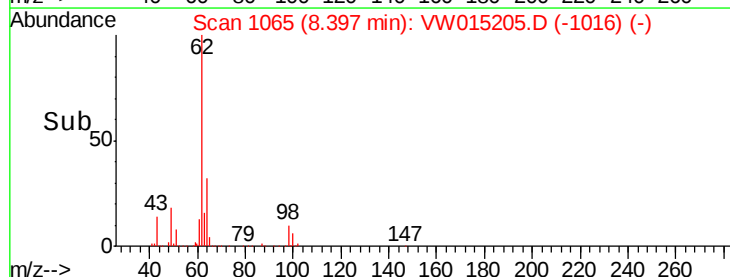
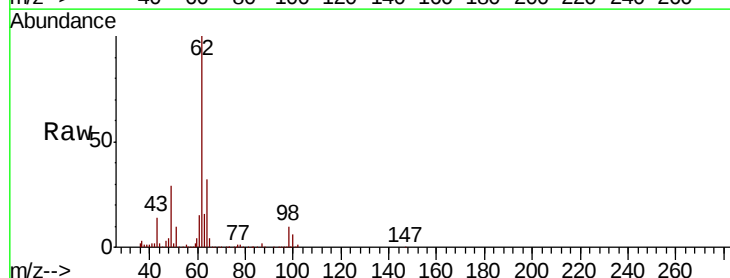
Instrument :
MSVOA_W
ClientSampled :

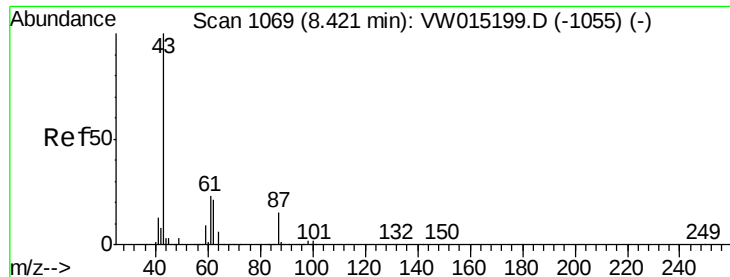
Tot Ion:	41	Resp:	41098
Ion	Ratio	Lower	Upper
41	100		
39	52.1	41.9	62.9
67	73.4	60.6	91.0
52	30.7	23.8	35.8



#42
1,2-Dichloroethane
Concen: 20.731 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW015205.D
Acq: 15 Apr 2020 16:38

Tgt Ion:	62	Resp:	125772
Ion	Ratio	Lower	Upper
62	100		
98	10.9	0.0	20.4





#43

Isopropyl Acetate

Concen: 19.877 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.01 min

Lab File: VW015205.D

Acq: 15 Apr 2020 16:38

Instrument :

MSVOA_W

ClientSampleId :

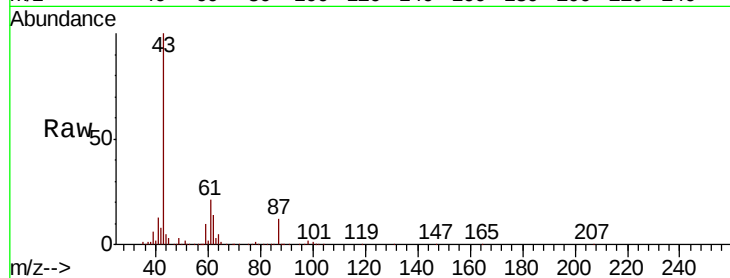
Tot Ion: 43 Resp: 136100

Ion Ratio Lower Upper

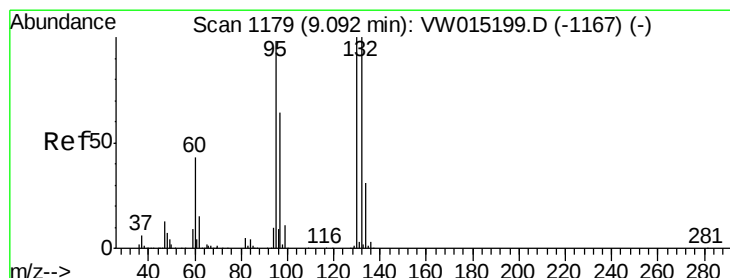
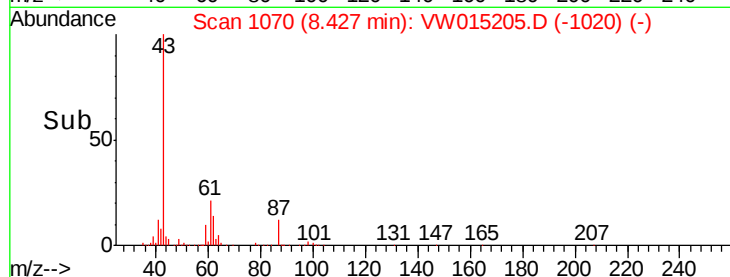
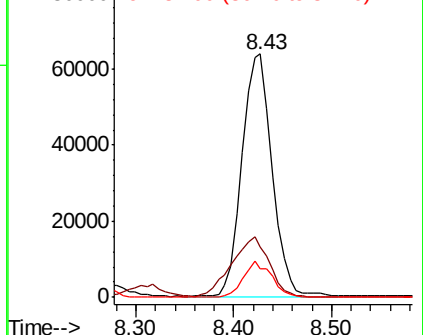
43 100

61 31.4 24.8 37.2

87 14.1 11.4 17.2



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



#44

Trichloroethene

Concen: 21.402 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW015205.D

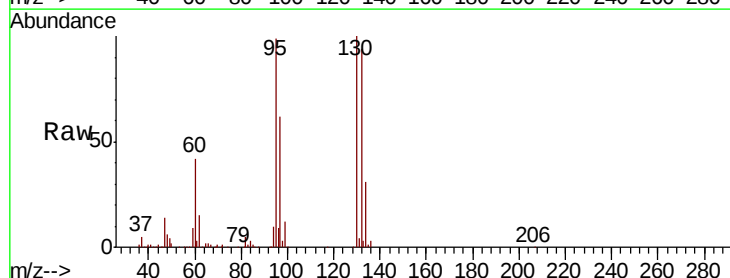
Acq: 15 Apr 2020 16:38

Tgt Ion:130 Resp: 134427

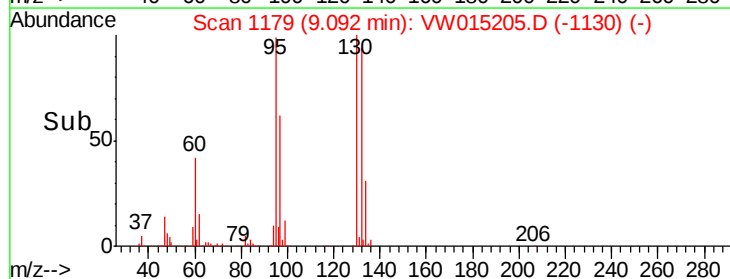
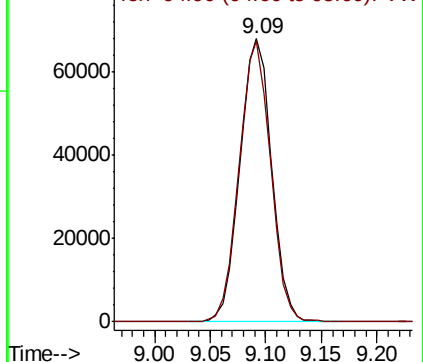
Ion Ratio Lower Upper

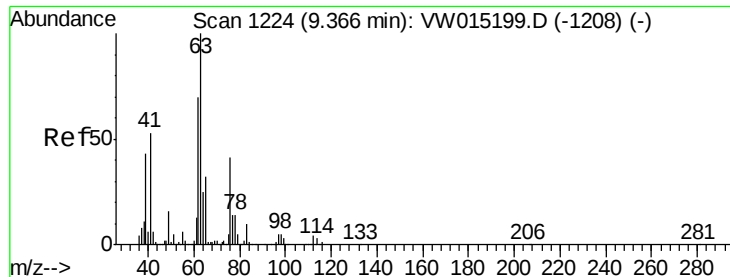
130 100

95 99.4 0.0 196.4



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





#45

1,2-Dichloropropane

Concen: 21.222 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW015205.D

Acq: 15 Apr 2020 16:38

Instrument :

MSVOA_W

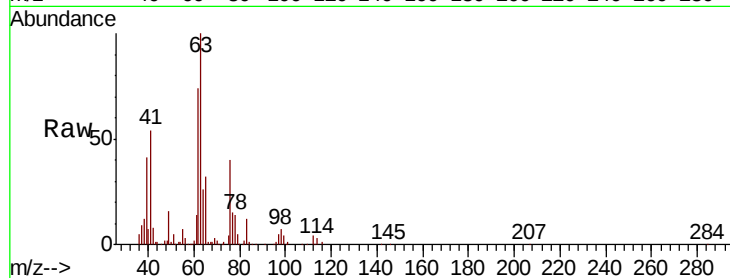
ClientSampleId :

Tot Ion: 63 Resp: 124813

Ion Ratio Lower Upper

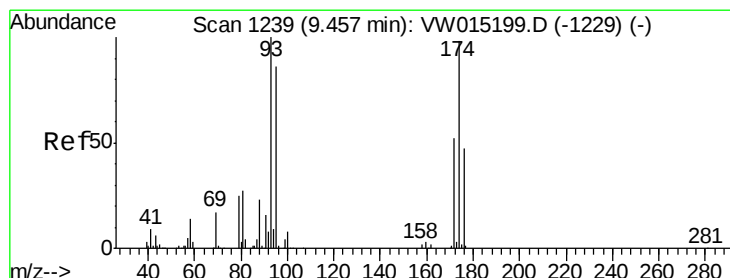
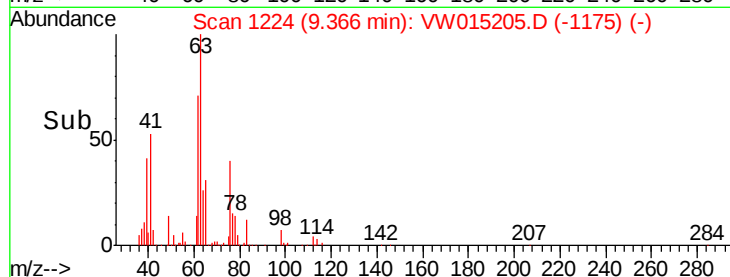
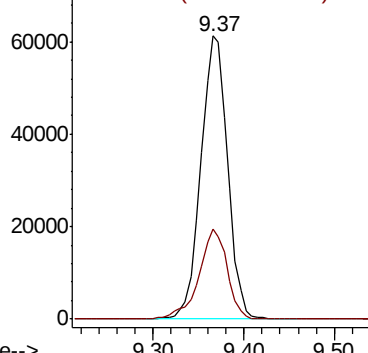
63 100

65 31.7 25.5 38.3



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 64.90 (64.60 to 65.60): VW



#46

Dibromomethane

Concen: 20.502 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VW015205.D

Acq: 15 Apr 2020 16:38

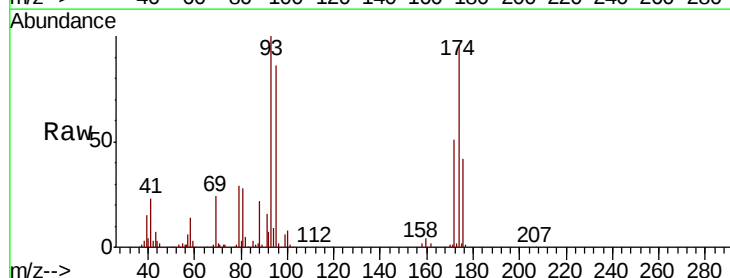
Tgt Ion: 93 Resp: 60262

Ion Ratio Lower Upper

93 100

95 83.8 67.5 101.3

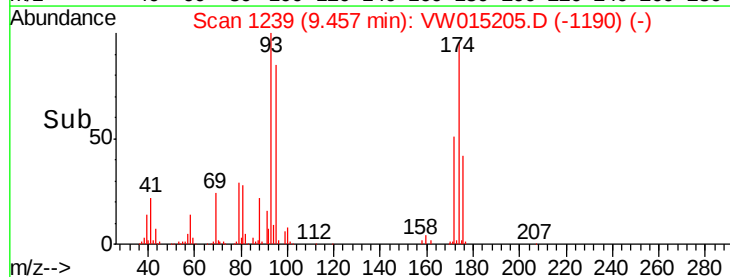
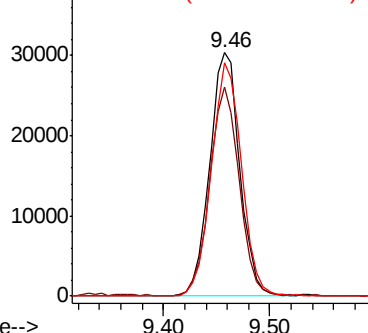
174 96.0 74.1 111.1

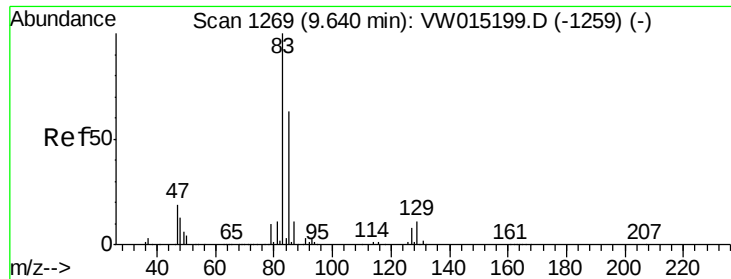


Abundance Ion 92.80 (92.50 to 93.50): VW

Ion 94.80 (94.50 to 95.50): VW

Ion 173.70 (173.40 to 174.40): V

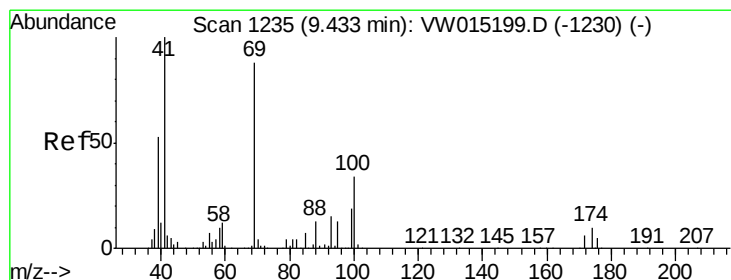
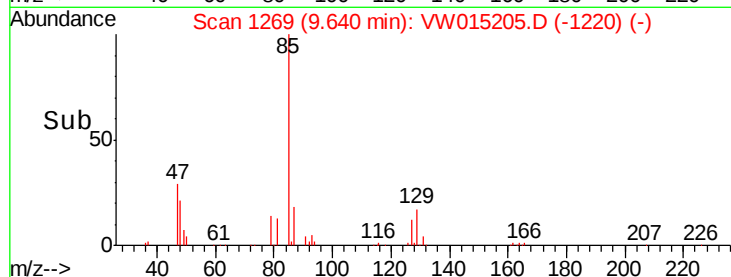
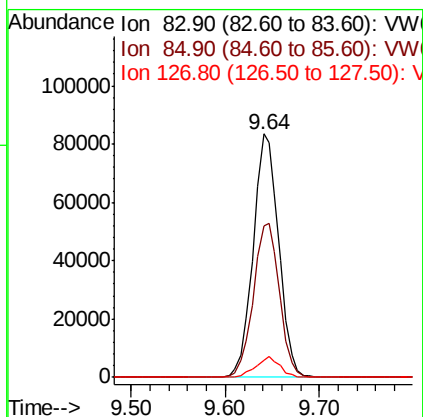
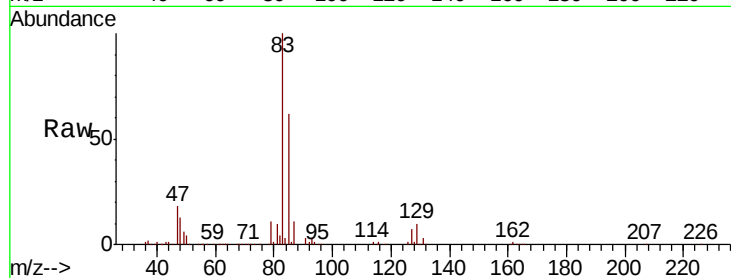




#47
Bromodichloromethane
Concen: 20.903 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. 0.00 min
Lab File: VW015205.D
Acq: 15 Apr 2020 16:38

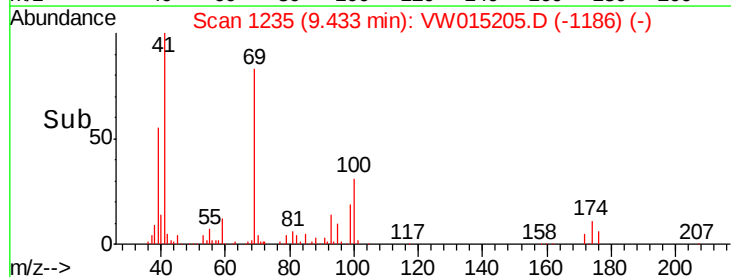
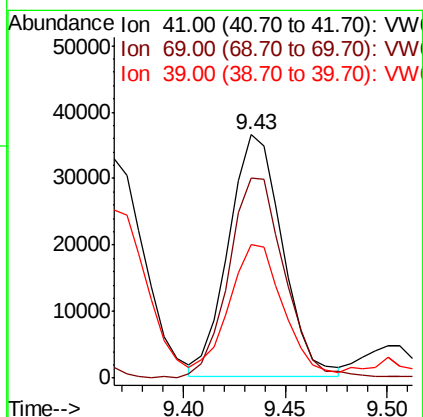
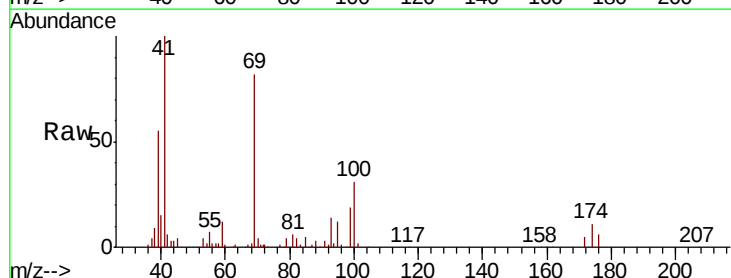
Instrument :
MSVOA_W
ClientSampled :

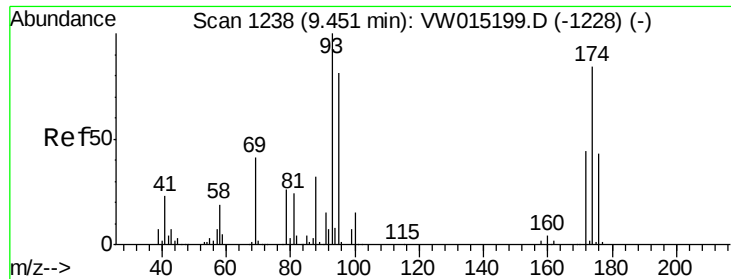
Tot Ion	83	Resp	159297
Ion Ratio	Lower	Upper	
83	100		
85	62.0	50.6	76.0
127	7.2	6.7	10.1



#48
Methyl methacrylate
Concen: 20.801 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. 0.00 min
Lab File: VW015205.D
Acq: 15 Apr 2020 16:38

Tgt Ion	41	Resp	66618
Ion Ratio	Lower	Upper	
41	100		
69	85.1	70.6	105.8
39	51.5	42.6	64.0





#49

1,4-Dioxane

Concen: 361.662 ug/l

RT: 9.46 min Scan# 1240

Delta R.T. 0.01 min

Lab File: VW015205.D

Acq: 15 Apr 2020 16:38

Instrument :

MSVOA_W

ClientSampleId :

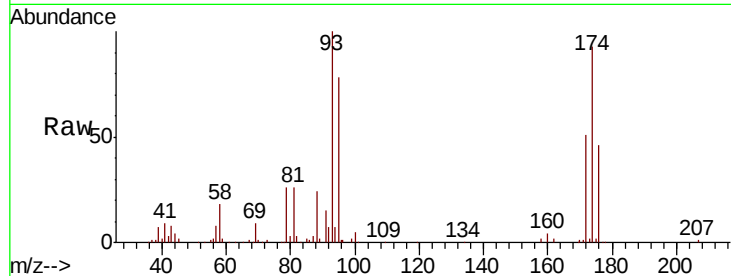
Tot Ion: 88 Resp: 16865

Ion Ratio Lower Upper

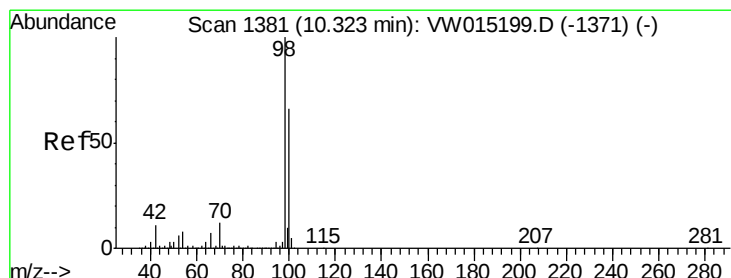
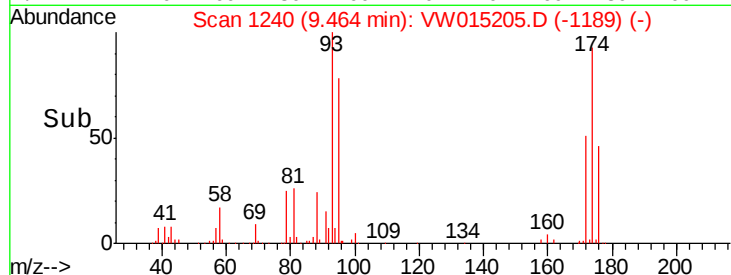
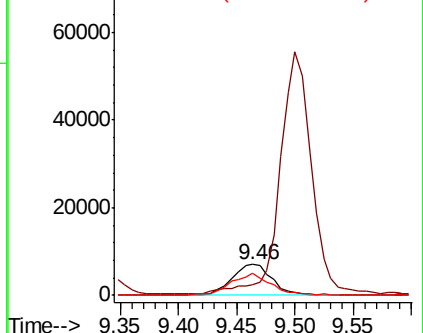
88 100

43 0.0 23.5 35.3#

58 73.2 55.4 83.2



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: 51.081 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW015205.D

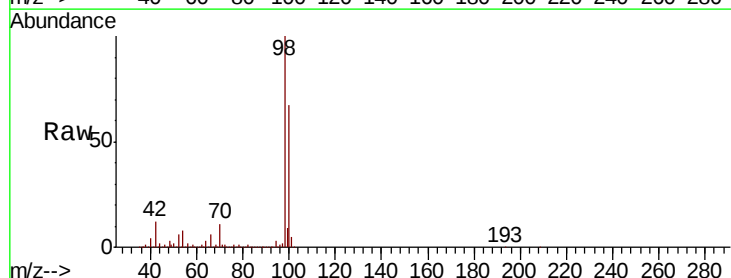
Acq: 15 Apr 2020 16:38

Tgt Ion: 98 Resp: 1081337

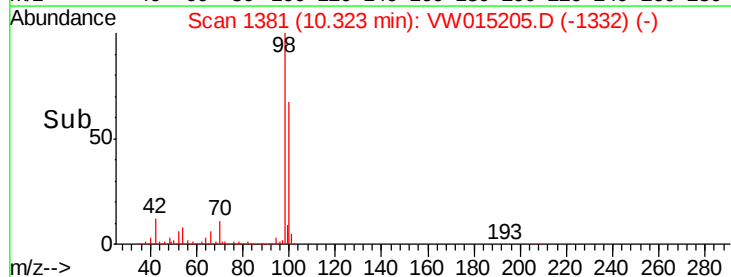
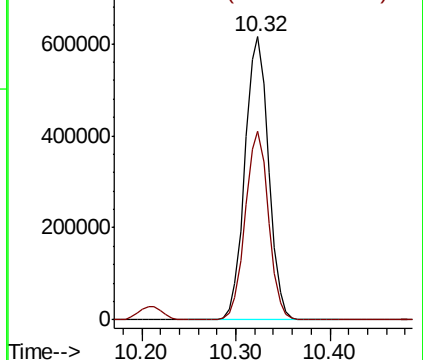
Ion Ratio Lower Upper

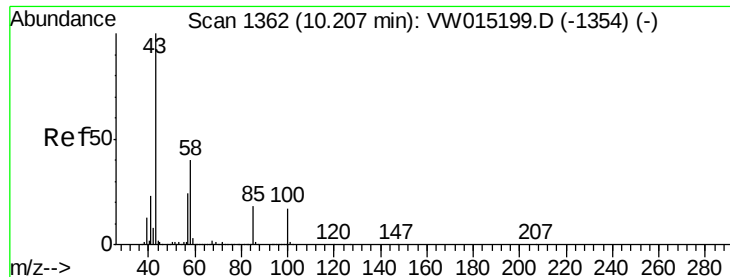
98 100

100 65.5 52.9 79.3



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: 90.345 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW015205.D

Acq: 15 Apr 2020 16:38

Instrument :

MSVOA_W

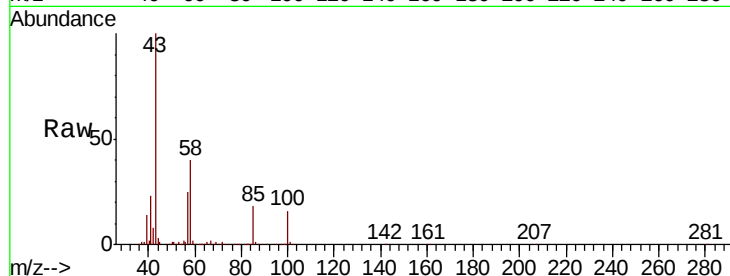
ClientSampled :

Tot Ion: 43 Resp: 327172

Ion Ratio Lower Upper

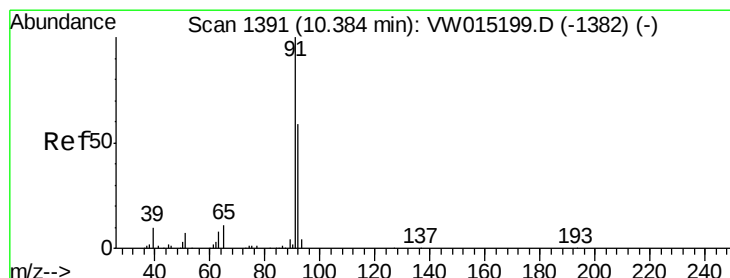
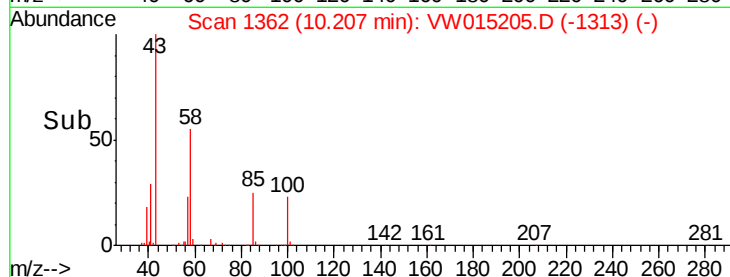
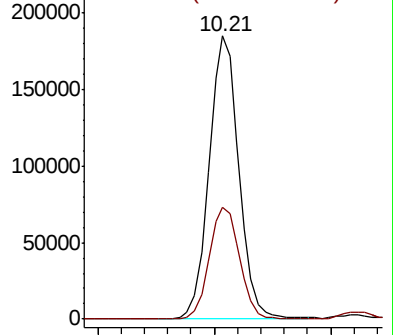
43 100

58 40.6 32.3 48.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#52

Toluene

Concen: 20.999 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW015205.D

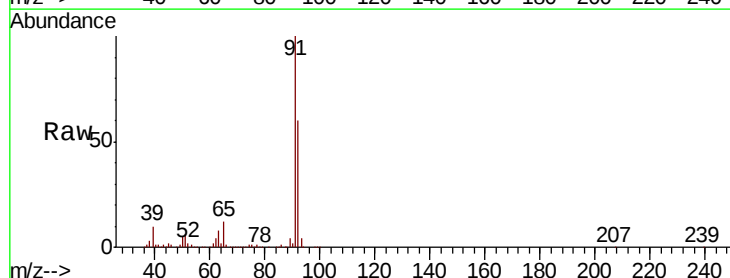
Acq: 15 Apr 2020 16:38

Tgt Ion: 92 Resp: 321302

Ion Ratio Lower Upper

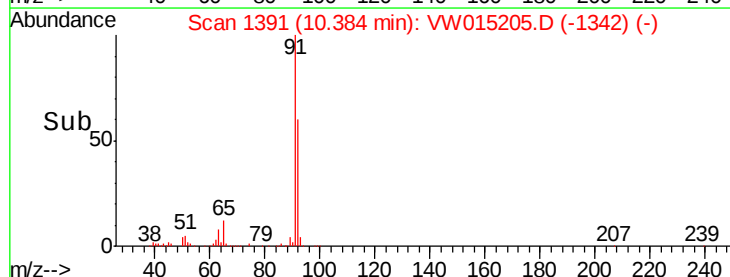
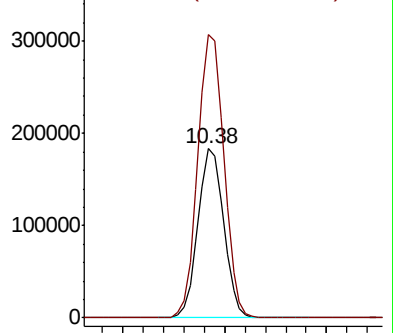
92 100

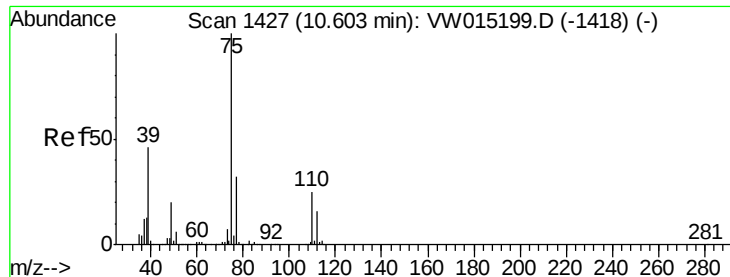
91 169.5 137.1 205.7



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW





#53

t-1,3-Dichloropropene

Concen: 20.488 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW015205.D

Acq: 15 Apr 2020 16:38

Instrument :

MSVOA_W

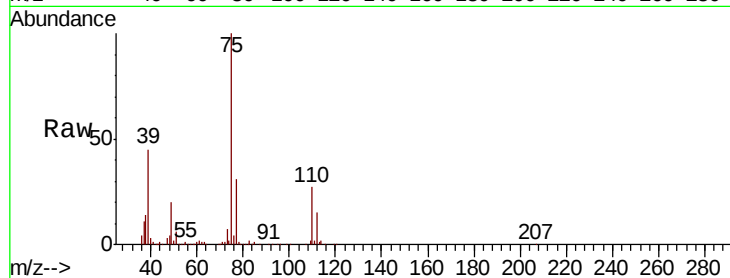
ClientSampled :

Tot Ion: 75 Resp: 158851

Ion Ratio Lower Upper

75 100

77 30.6 25.5 38.3



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

10.60

80000

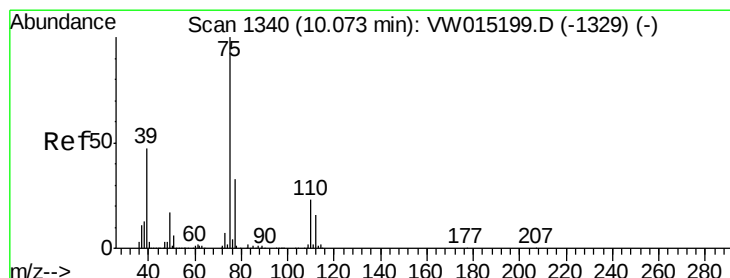
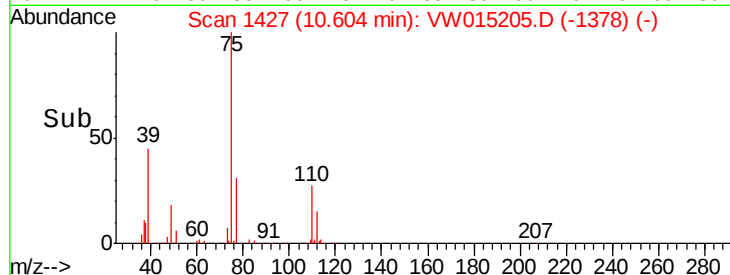
60000

40000

20000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 20.927 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW015205.D

Acq: 15 Apr 2020 16:38

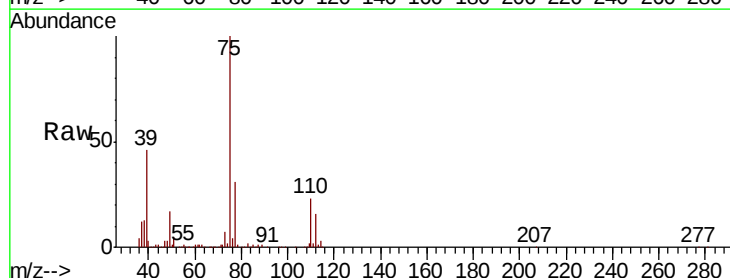
Tgt Ion: 75 Resp: 195753

Ion Ratio Lower Upper

75 100

77 30.7 26.6 39.8

39 46.1 37.8 56.6



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

Ion 39.00 (38.70 to 39.70): VW

10.07

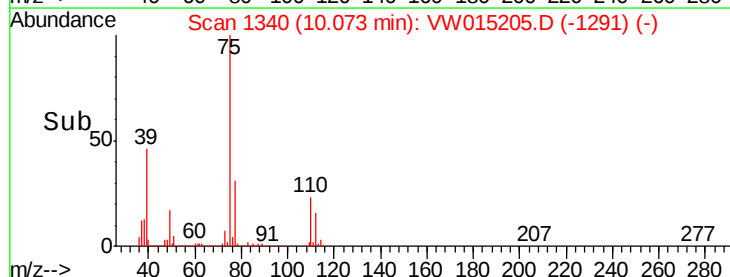
150000

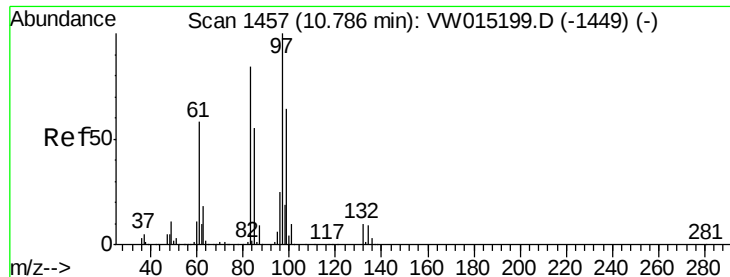
100000

50000

0

Time-->

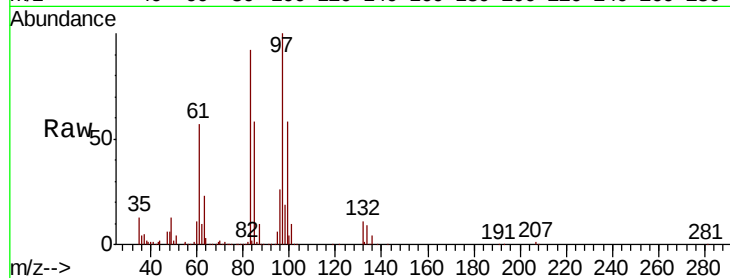




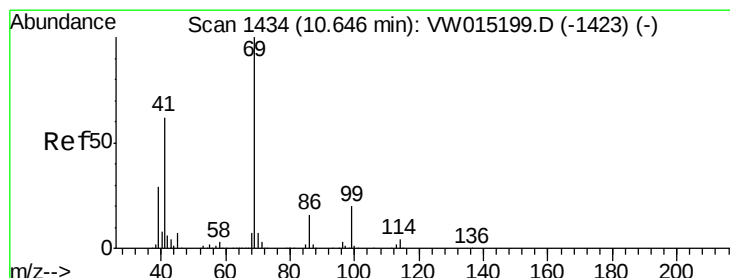
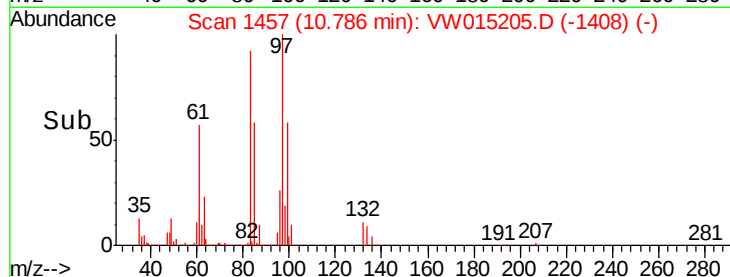
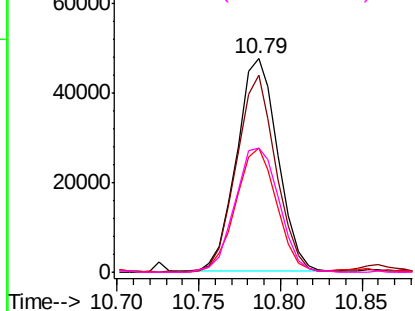
#55
 1,1,2-Trichloroethane
 Concen: 20.049 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW015205.D
 Acq: 15 Apr 2020 16:38

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:	97	Resp:	83499
Ion	Ratio	Lower	Upper
97	100		
83	92.1	67.3	100.9
85	58.3	43.8	65.8
99	58.2	51.4	77.0

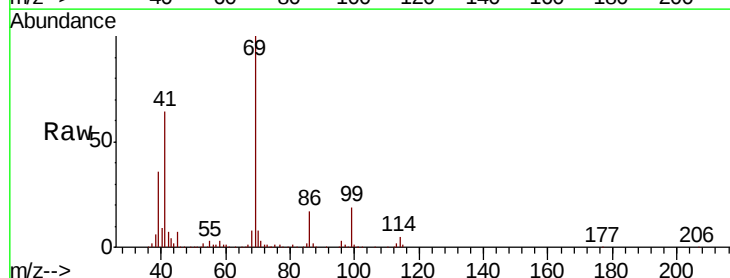


Abundance Ion 96.90 (96.60 to 97.60): VW
 Ion 82.90 (82.60 to 83.60): VW
 Ion 84.90 (84.60 to 85.60): VW
 Ion 98.90 (98.60 to 99.60): VW

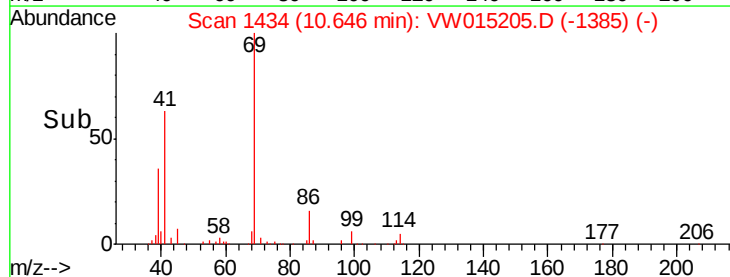
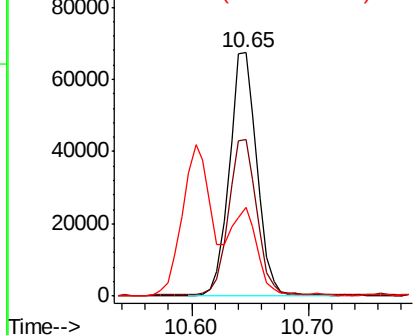


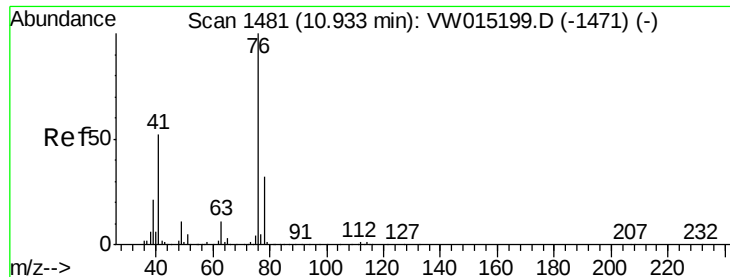
#56
 Ethyl methacrylate
 Concen: 19.328 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW015205.D
 Acq: 15 Apr 2020 16:38

Tgt Ion:	69	Resp:	110927
Ion	Ratio	Lower	Upper
69	100		
41	65.3	51.3	76.9
39	32.5	24.6	37.0



Abundance Ion 69.00 (68.70 to 69.70): VW
 Ion 41.00 (40.70 to 41.70): VW
 Ion 39.00 (38.70 to 39.70): VW

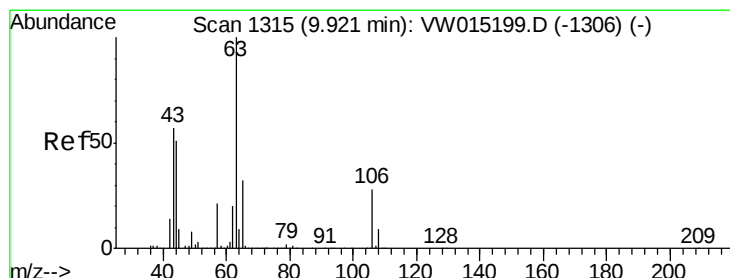
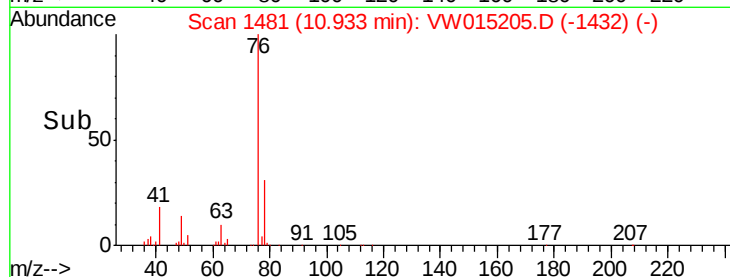
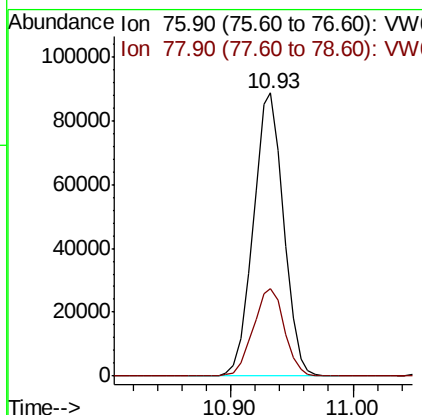
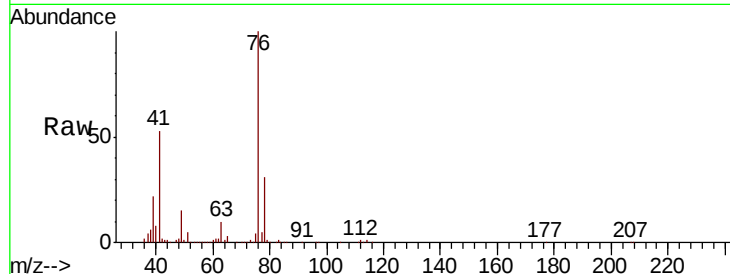




#57
 1,3-Dichloropropane
 Concen: 20.885 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW015205.D
 Acq: 15 Apr 2020 16:38

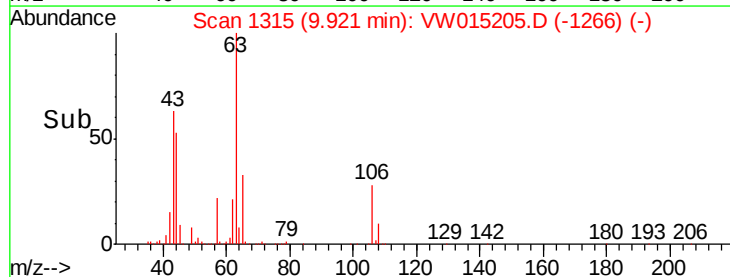
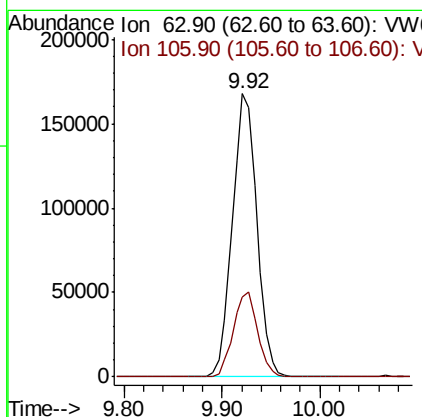
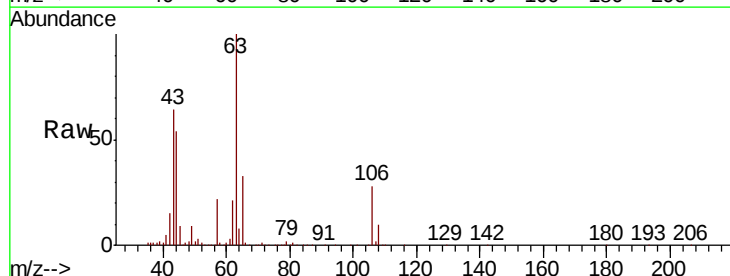
Instrument :
 MSVOA_W
 ClientSampled :

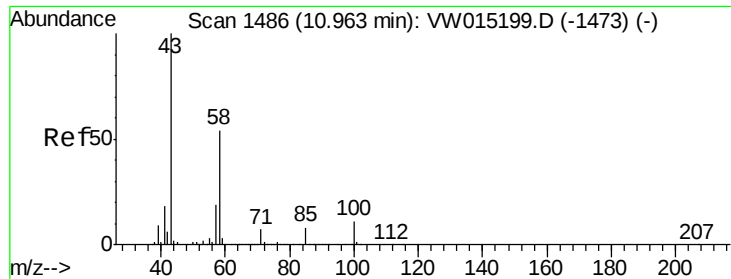
Tot Ion: 76 Resp: 152883
 Ion Ratio Lower Upper
 76 100
 78 32.2 26.2 39.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 102.696 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW015205.D
 Acq: 15 Apr 2020 16:38

Tgt Ion: 63 Resp: 291697
 Ion Ratio Lower Upper
 63 100
 106 29.7 22.6 33.8

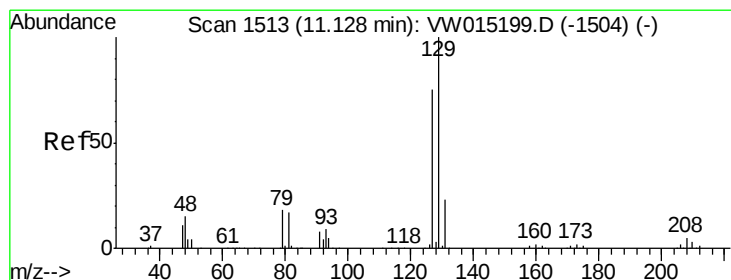
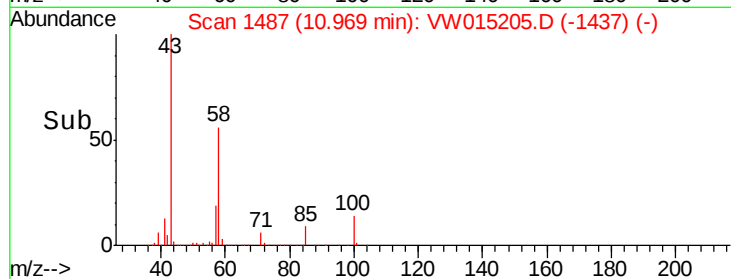
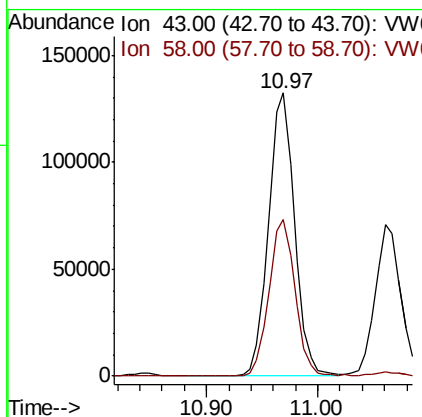
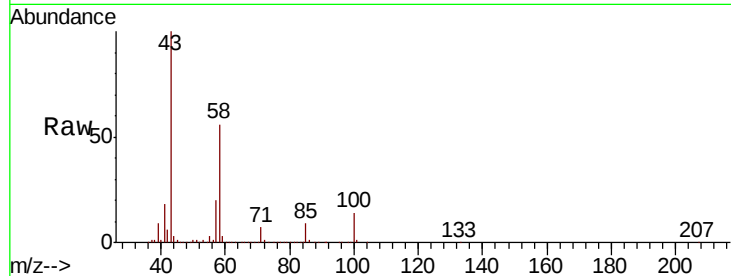




#59
2-Hexanone
Concen: 94.907 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.01 min
Lab File: VW015205.D
Acq: 15 Apr 2020 16:38

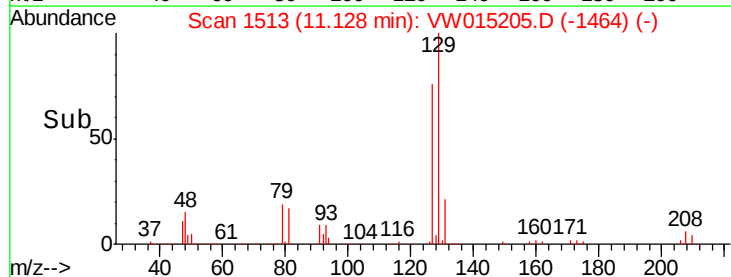
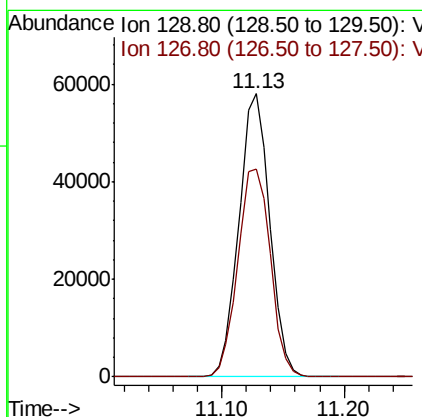
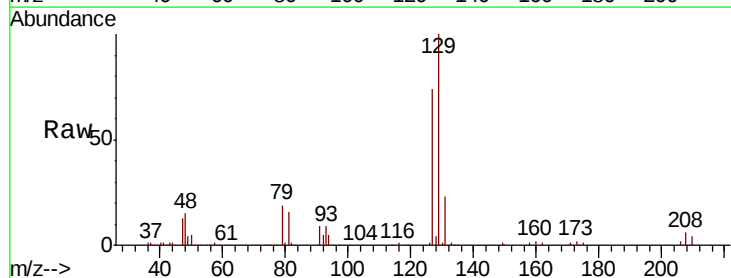
Instrument :
MSVOA_W
ClientSampled :

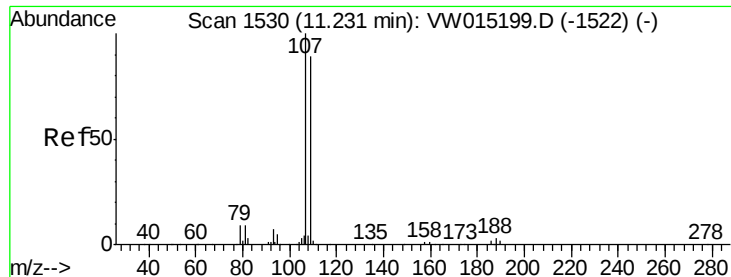
Tot Ion: 43 Resp: 215705
Ion Ratio Lower Upper
43 100
58 55.8 28.1 84.3



#60
Dibromochloromethane
Concen: 20.428 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW015205.D
Acq: 15 Apr 2020 16:38

Tgt Ion: 129 Resp: 101511
Ion Ratio Lower Upper
129 100
127 77.9 38.3 114.8

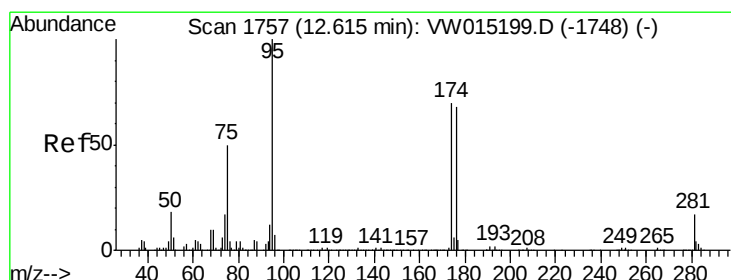
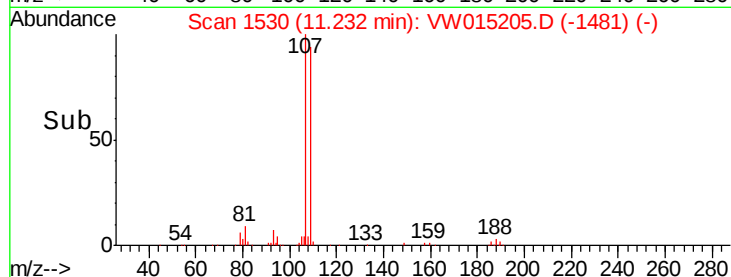
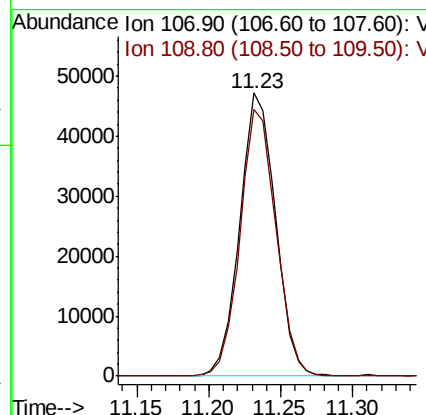
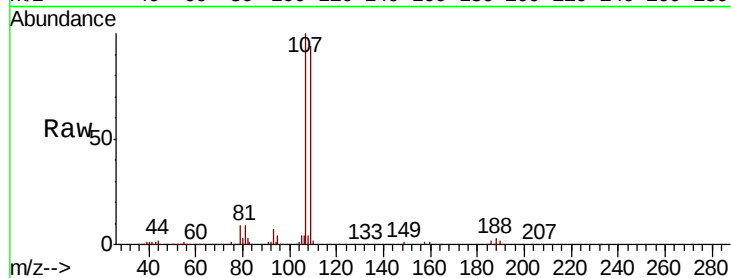




#61
 1,2-Dibromoethane
 Concen: 20.246 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. 0.00 min
 Lab File: VW015205.D
 Acq: 15 Apr 2020 16:38

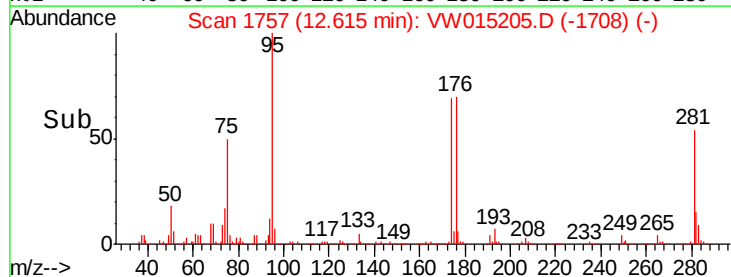
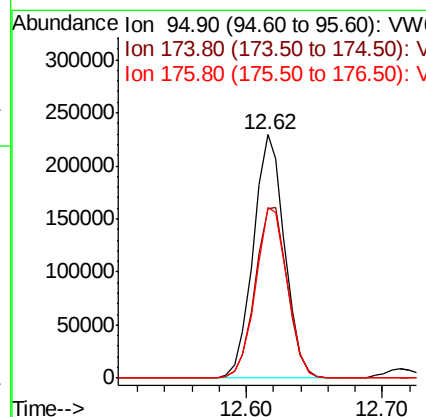
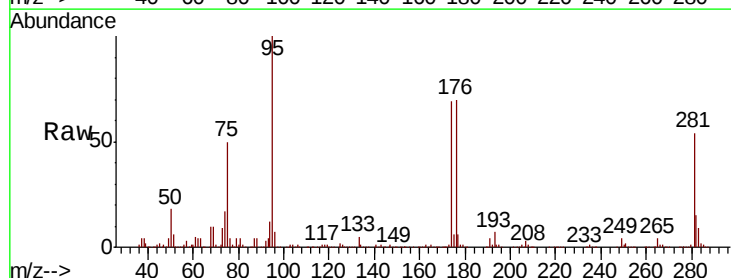
Instrument :
 MSVOA_W
 ClientSampled :

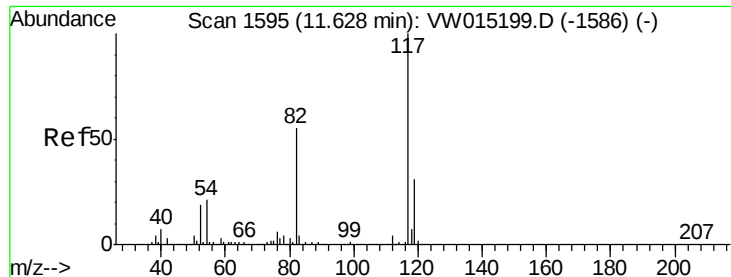
Tot Ion: 107 Resp: 81261
 Ion Ratio Lower Upper
 107 100
 109 94.7 74.3 111.5



#62
 4-Bromofluorobenzene
 Concen: 49.755 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.00 min
 Lab File: VW015205.D
 Acq: 15 Apr 2020 16:38

Tgt Ion: 95 Resp: 368903
 Ion Ratio Lower Upper
 95 100
 174 72.8 0.0 144.4
 176 71.2 0.0 140.6

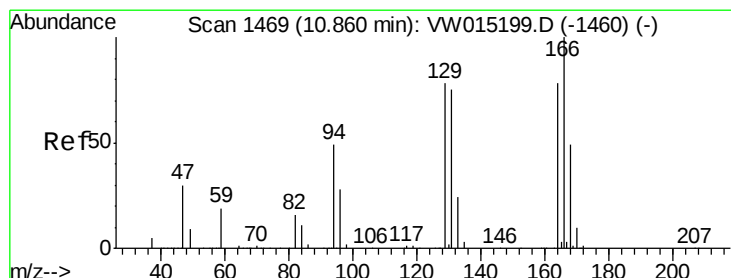
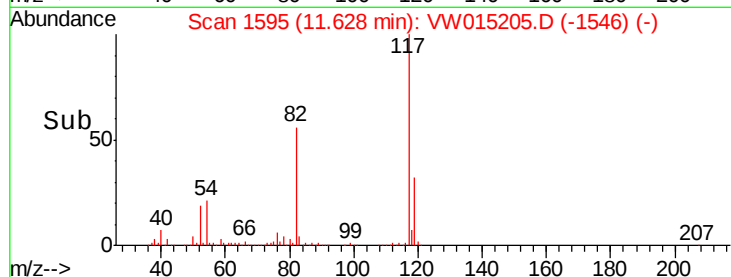
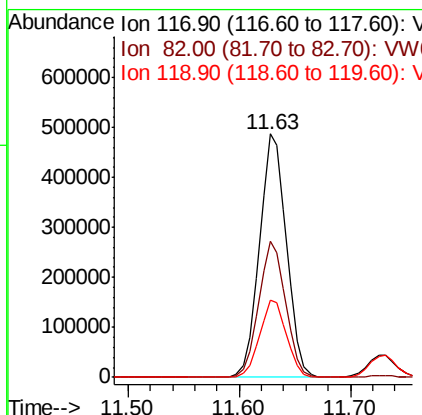
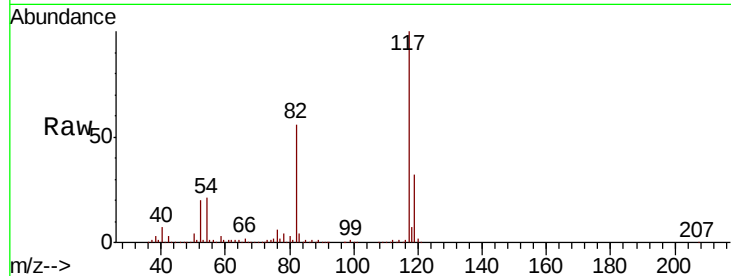




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. 0.00 min
Lab File: VW015205.D
Acq: 15 Apr 2020 16:38

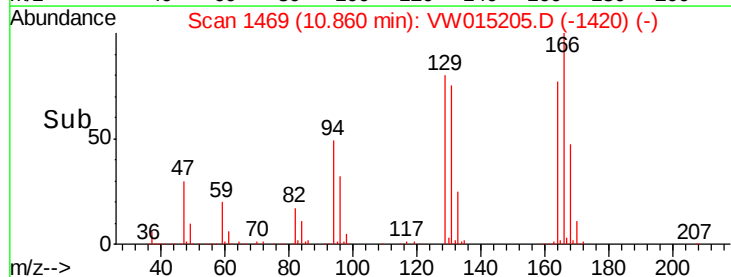
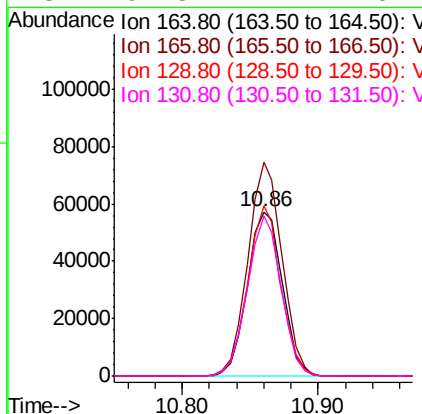
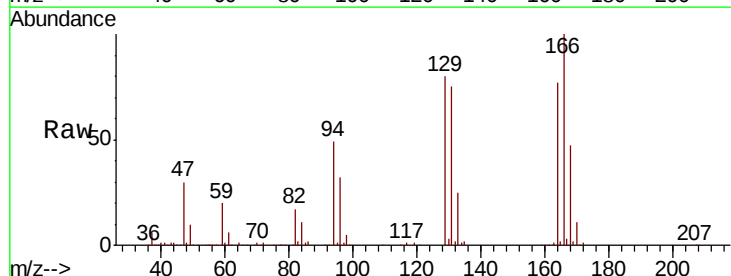
Instrument :
MSVOA_W
ClientSampleId :

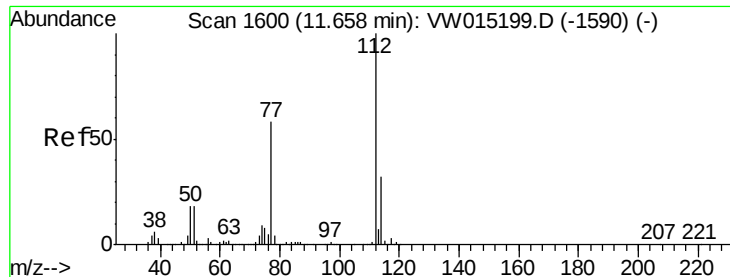
Tot Ion:117 Resp: 821721
Ion Ratio Lower Upper
117 100
82 56.1 44.1 66.1
119 31.7 24.9 37.3



#64
Tetrachloroethene
Concen: 21.347 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW015205.D
Acq: 15 Apr 2020 16:38

Tgt Ion:164 Resp: 103036
Ion Ratio Lower Upper
164 100
166 130.3 102.6 154.0
129 104.1 80.2 120.2
131 97.8 77.4 116.2





#65

Chlorobenzene

Concen: 21.432 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VW015205.D

Acq: 15 Apr 2020 16:38

Instrument :

MSVOA_W

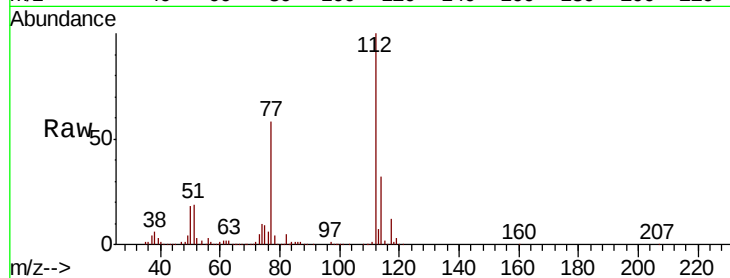
ClientSampleId :

Tot Ion:112 Resp: 331383

Ion Ratio Lower Upper

112 100

114 32.4 25.8 38.6



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.66

200000

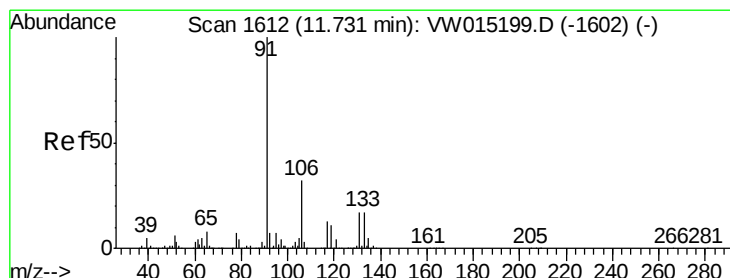
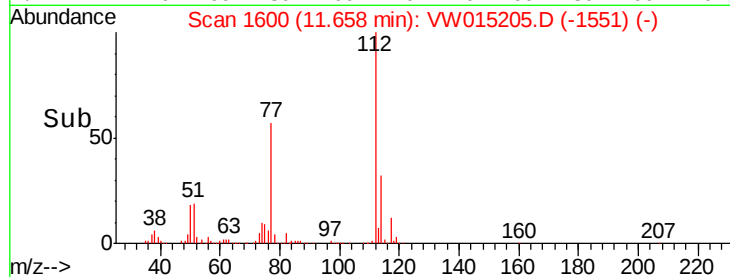
150000

100000

50000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 21.319 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW015205.D

Acq: 15 Apr 2020 16:38

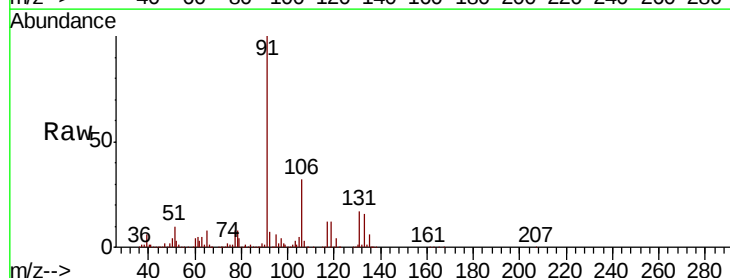
Tgt Ion:131 Resp: 113931

Ion Ratio Lower Upper

131 100

133 93.6 47.7 143.1

119 66.0 34.0 101.8



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

200000

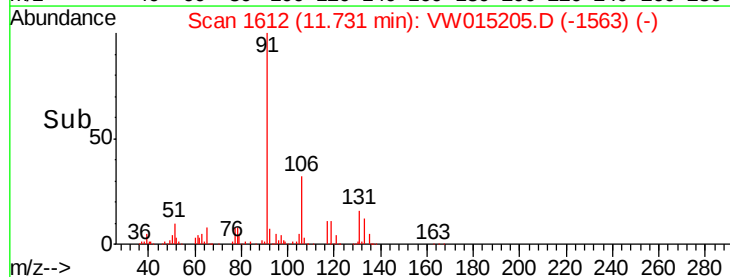
150000

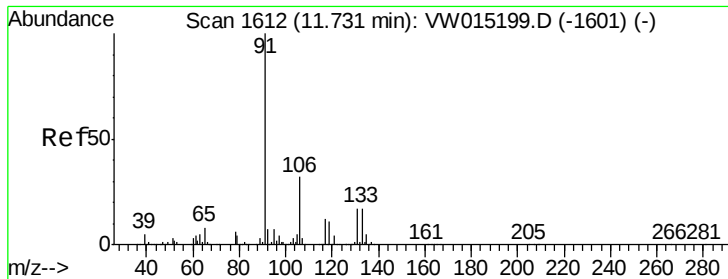
100000

50000

0

Time-->

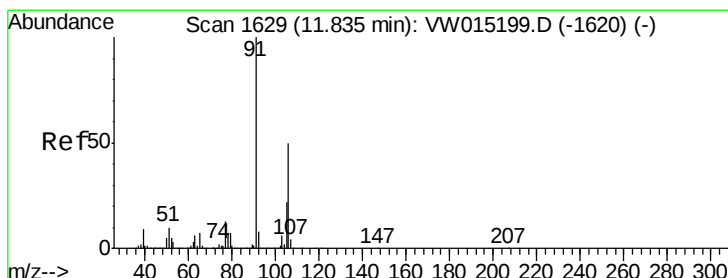
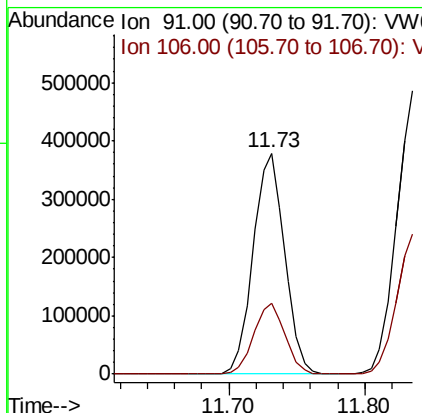
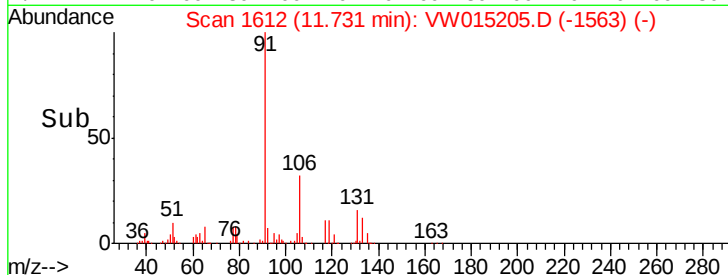
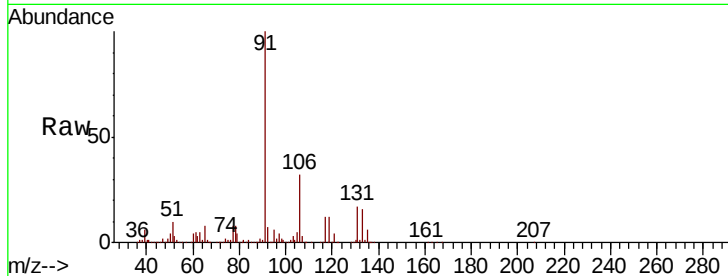




#67
Ethyl Benzene
Concen: 21.103 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW015205.D
Acq: 15 Apr 2020 16:38

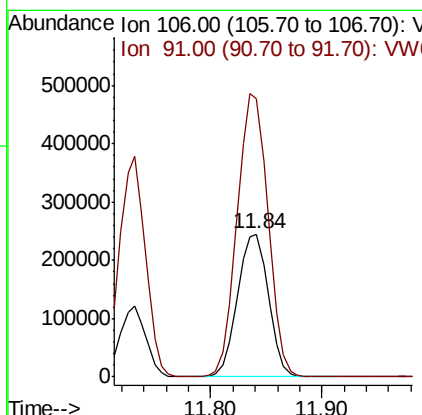
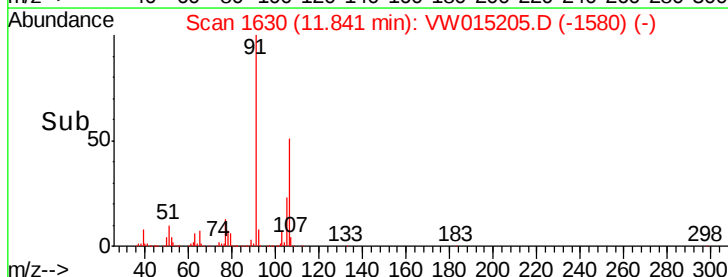
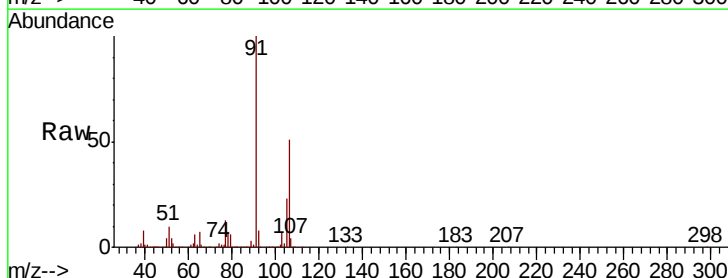
Instrument :
MSVOA_W
ClientSampled :

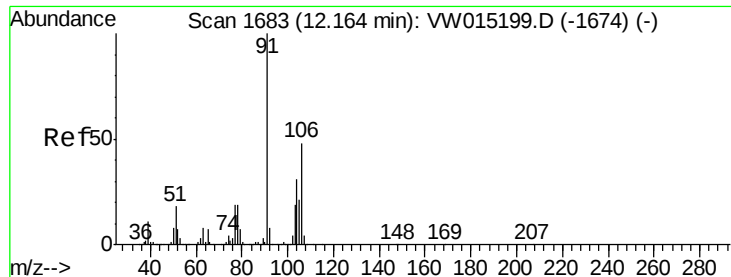
Tot Ion: 91 Resp: 615972
Ion Ratio Lower Upper
91 100
106 31.9 25.7 38.5



#68
m/p-Xylenes
Concen: 42.645 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.01 min
Lab File: VW015205.D
Acq: 15 Apr 2020 16:38

Tgt Ion:106 Resp: 472380
Ion Ratio Lower Upper
106 100
91 197.7 160.0 240.0

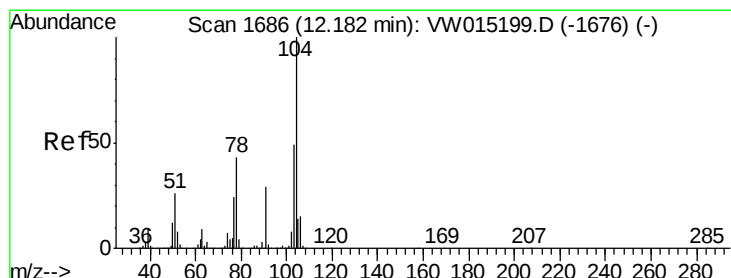
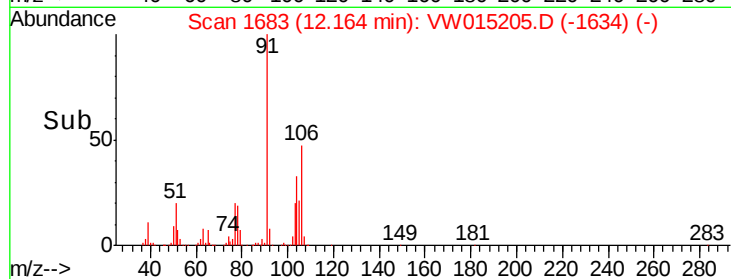
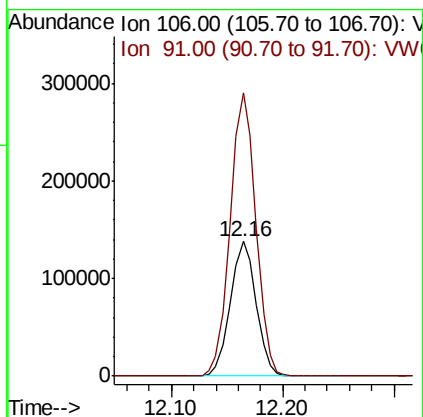
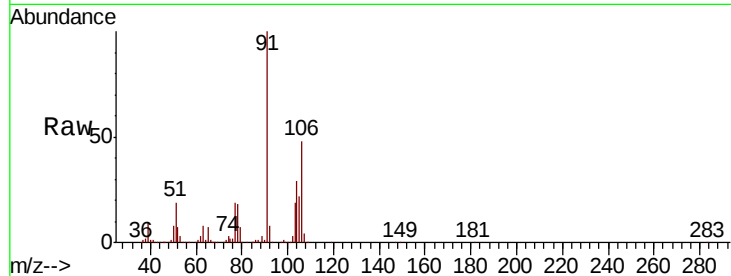




#69
o-Xylene
Concen: 21.297 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW015205.D
Acq: 15 Apr 2020 16:38

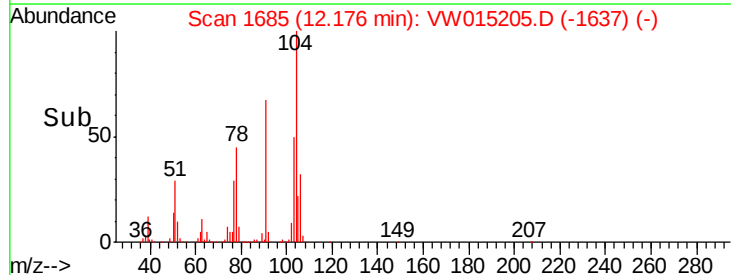
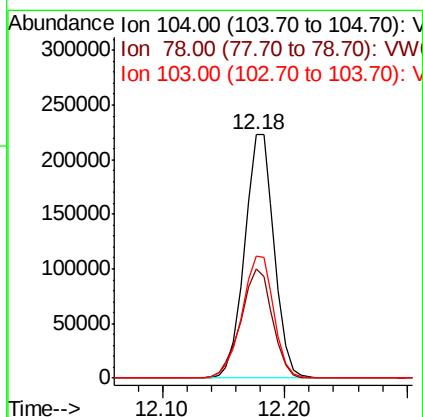
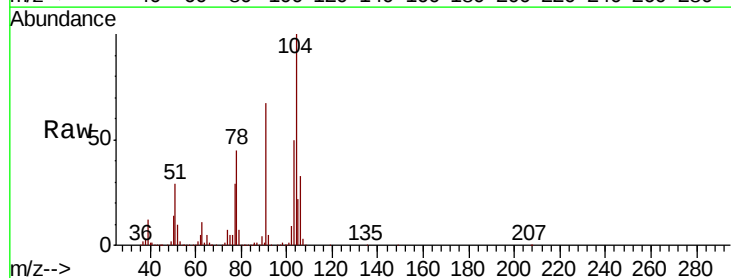
Instrument :
MSVOA_W
ClientSampleId :

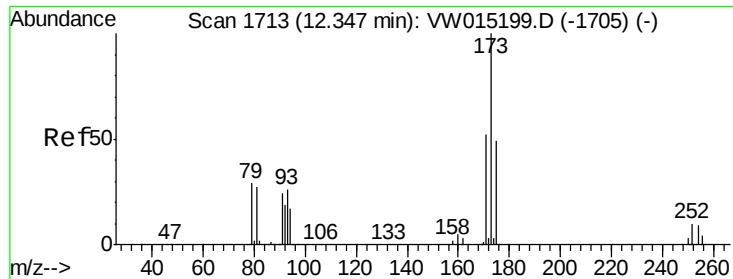
Tot Ion:106 Resp: 221114
Ion Ratio Lower Upper
106 100
91 209.0 105.7 317.1



#70
Styrene
Concen: 21.304 ug/l
RT: 12.18 min Scan# 1685
Delta R.T. -0.01 min
Lab File: VW015205.D
Acq: 15 Apr 2020 16:38

Tgt Ion:104 Resp: 373666
Ion Ratio Lower Upper
104 100
78 48.2 39.8 59.6
103 54.0 43.8 65.6





#71

Bromoform

Concen: 20.116 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW015205.D

Acq: 15 Apr 2020 16:38

Instrument :

MSVOA_W

ClientSampleId :

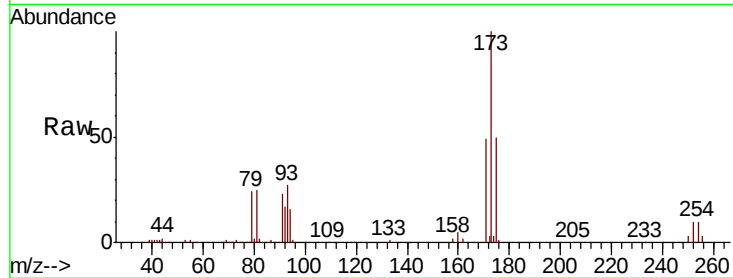
Tot Ion:173 Resp: 53387

Ion Ratio Lower Upper

173 100

175 48.3 25.1 75.4

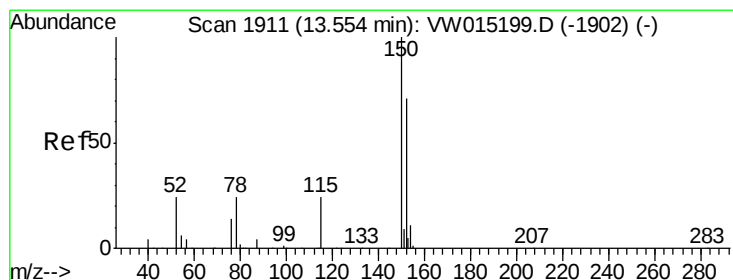
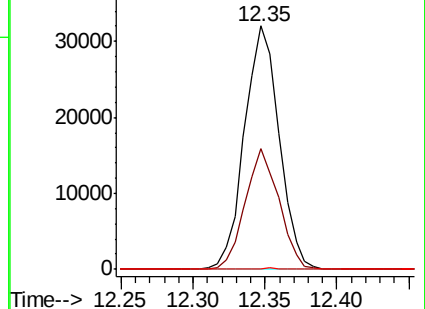
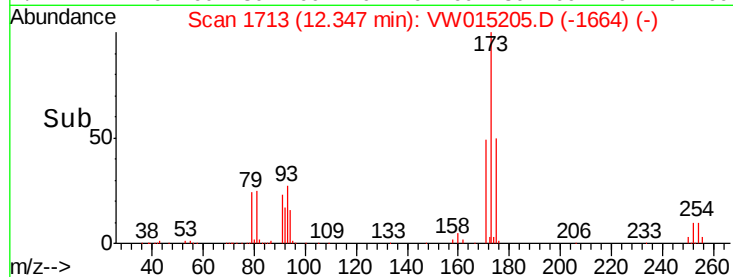
254 0.2 0.1 0.1#



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. 0.01 min

Lab File: VW015205.D

Acq: 15 Apr 2020 16:38

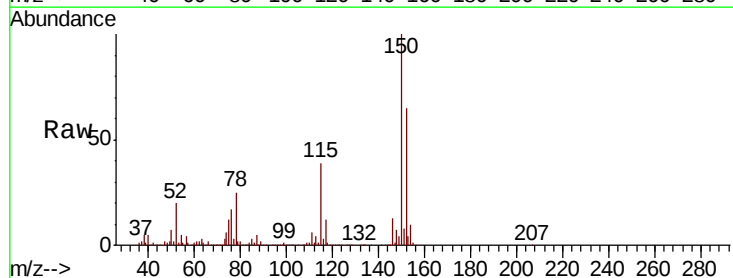
Tgt Ion:152 Resp: 371618

Ion Ratio Lower Upper

152 100

115 61.1 31.3 93.9

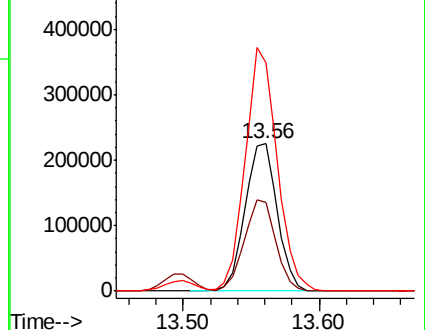
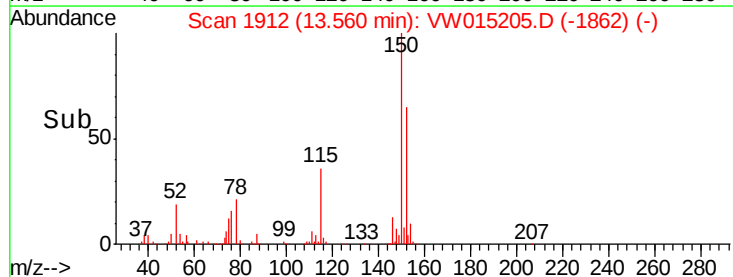
150 164.6 0.0 343.4

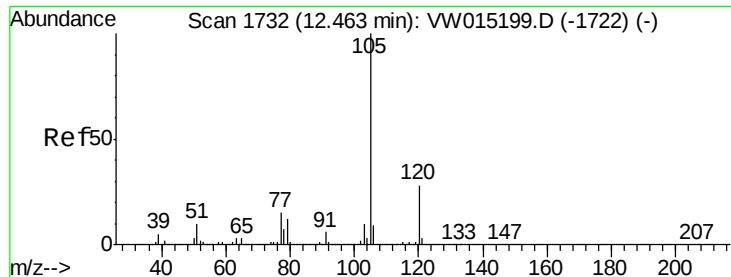


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.603 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW015205.D

Acq: 15 Apr 2020 16:38

Instrument :

MSVOA_W

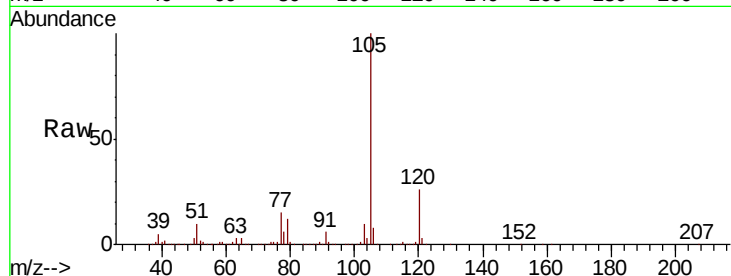
ClientSampled :

Tot Ion:105 Resp: 598708

Ion Ratio Lower Upper

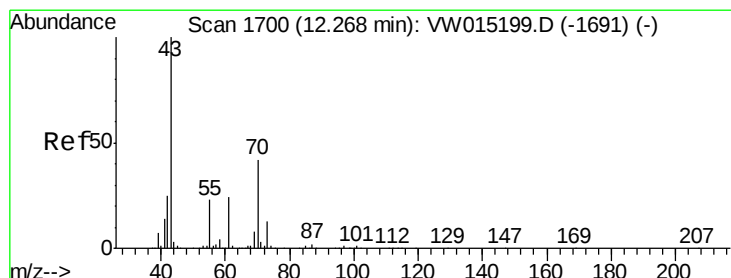
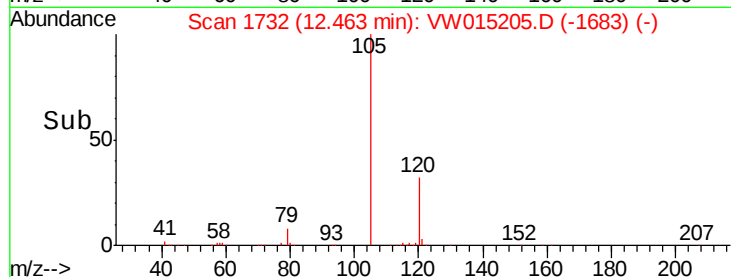
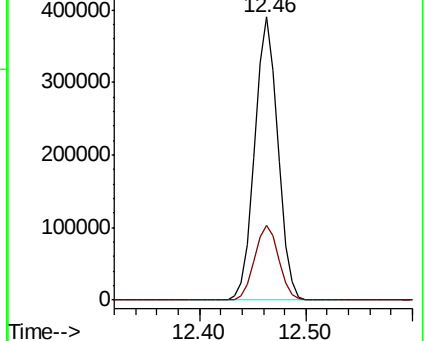
105 100

120 27.3 13.7 41.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 19.137 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.01 min

Lab File: VW015205.D

Acq: 15 Apr 2020 16:38

Tgt Ion: 43 Resp: 123287

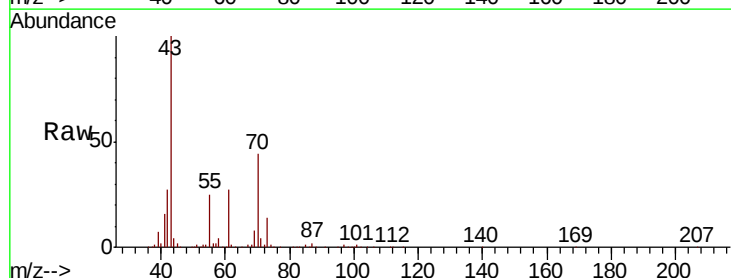
Ion Ratio Lower Upper

43 100

70 44.2 35.4 53.2

55 24.3 18.5 27.7

61 26.0 20.3 30.5

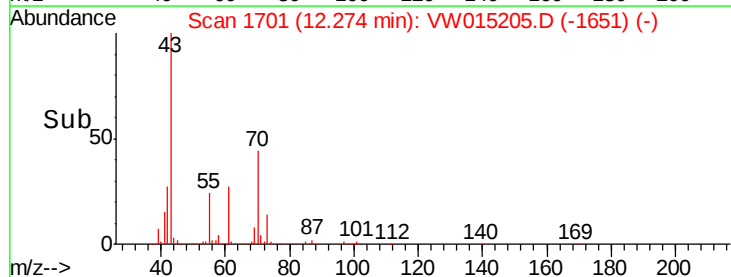
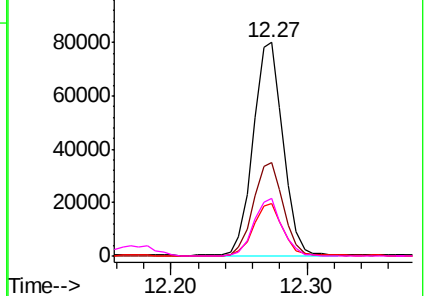


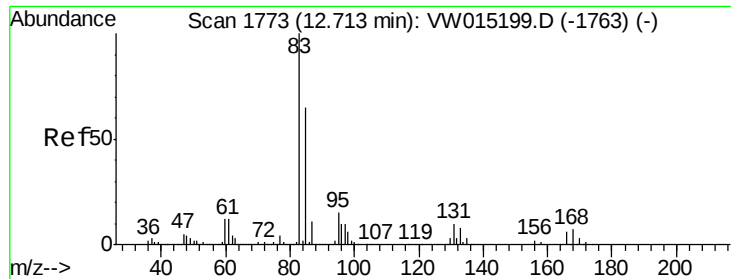
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW





#75

1,1,2,2-Tetrachloroethane

Concen: 19.871 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW015205.D

Acq: 15 Apr 2020 16:38

Instrument :

MSVOA_W

ClientSampleId :

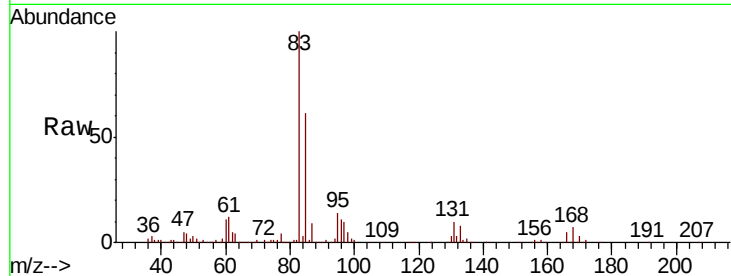
Tot Ion: 83 Resp: 92271

Ion Ratio Lower Upper

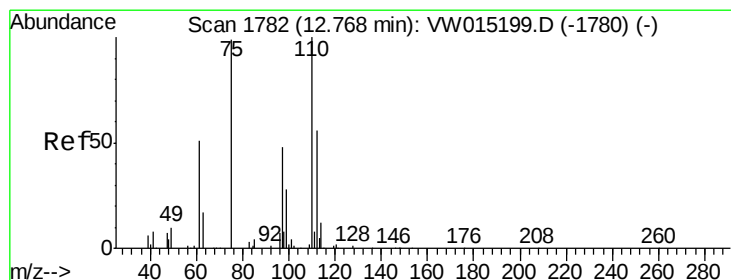
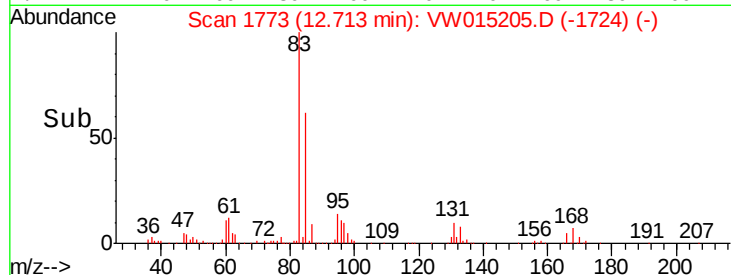
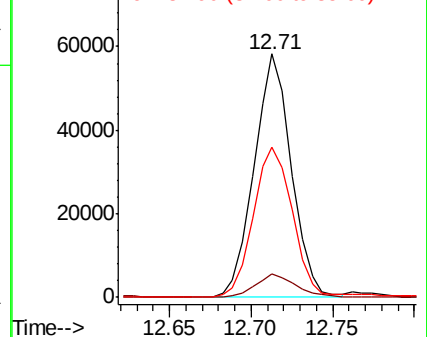
83 100

131 10.4 5.1 15.2

85 65.2 32.3 96.8



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: 37.762 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW015205.D

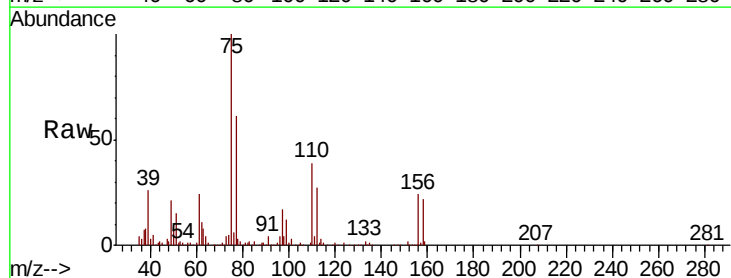
Acq: 15 Apr 2020 16:38

Tgt Ion: 75 Resp: 120128

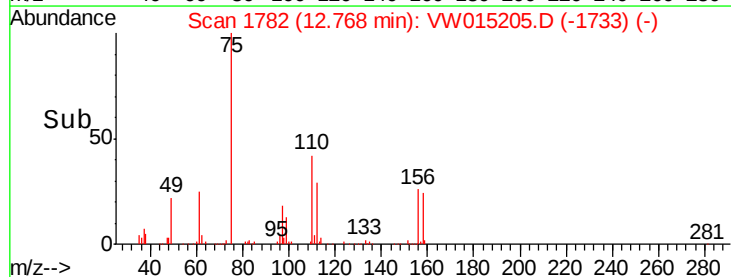
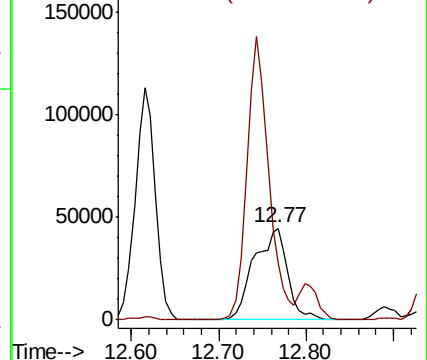
Ion Ratio Lower Upper

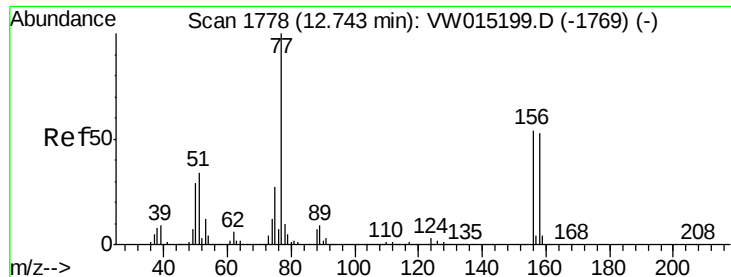
75 100

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: 21.548 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VW015205.D

Acq: 15 Apr 2020 16:38

Instrument :

MSVOA_W

ClientSampleId :

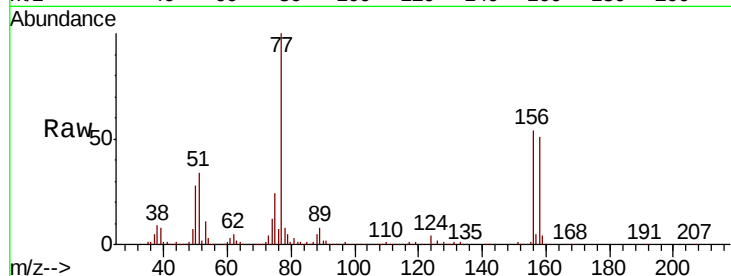
Tot Ion:156 Resp: 123721

Ion Ratio Lower Upper

156 100

77 194.6 100.5 301.5

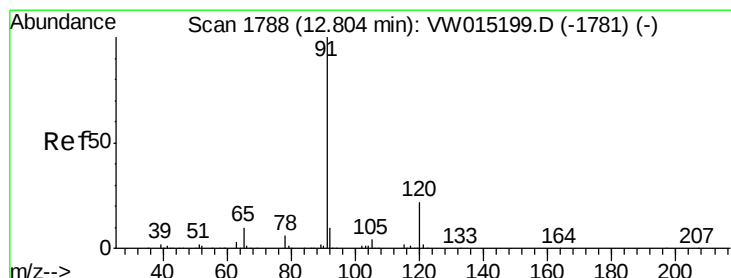
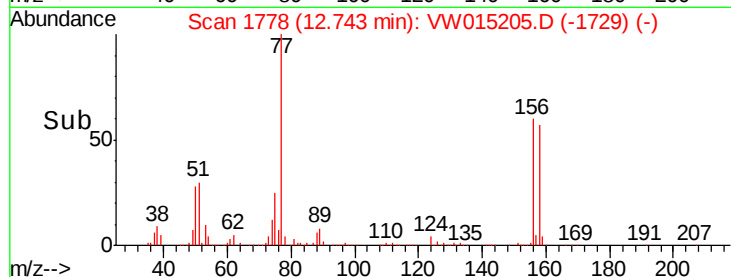
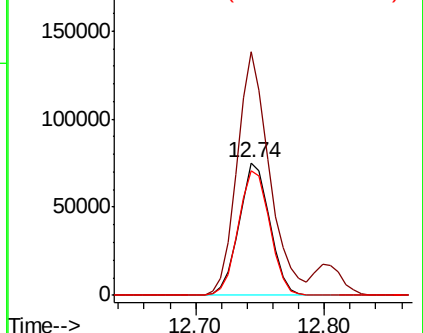
158 96.6 47.9 143.8



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: 21.310 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW015205.D

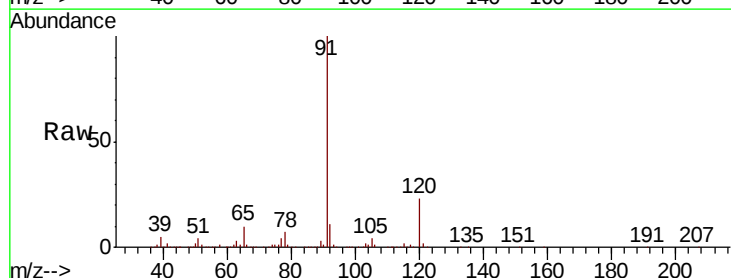
Acq: 15 Apr 2020 16:38

Tgt Ion: 91 Resp: 712212

Ion Ratio Lower Upper

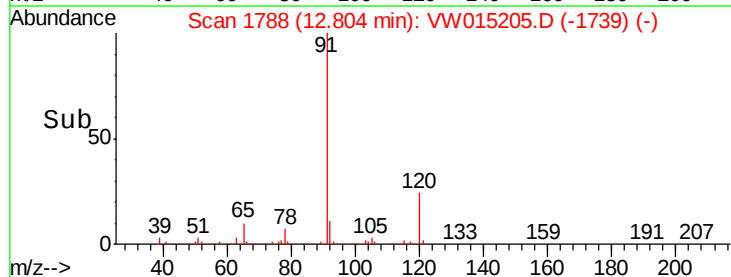
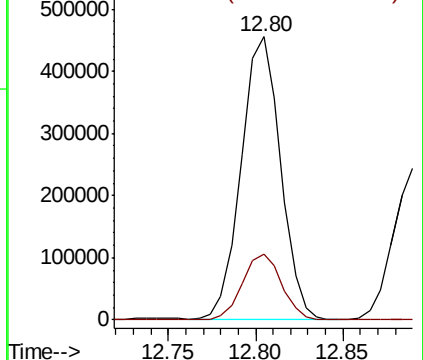
91 100

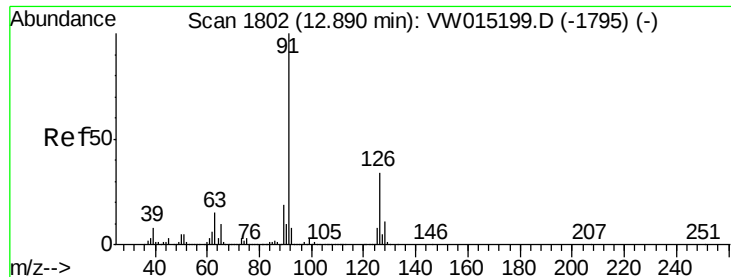
120 23.3 11.4 34.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.228 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VW015205.D

Acq: 15 Apr 2020 16:38

Instrument :

MSVOA_W

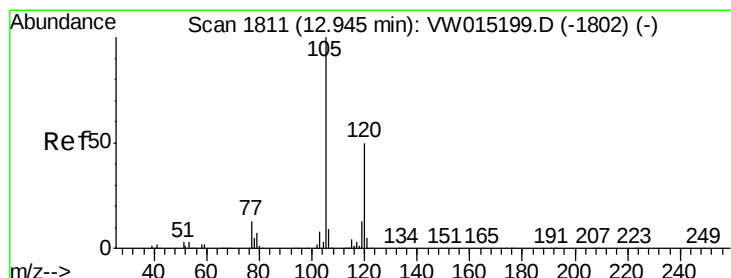
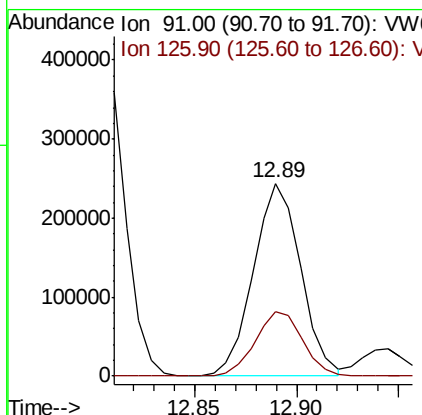
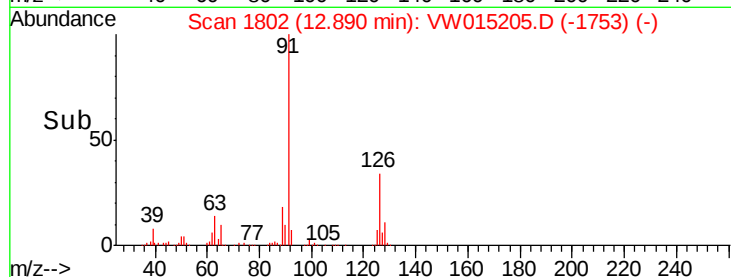
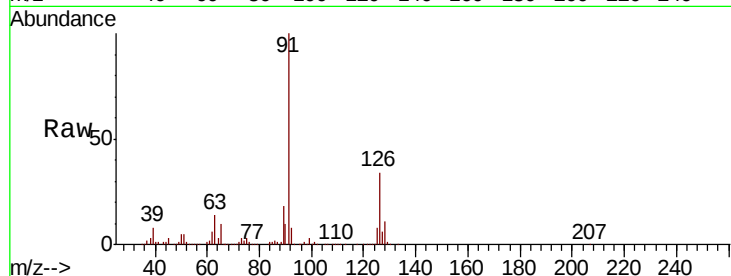
ClientSampleId :

Tot Ion: 91 Resp: 392213

Ion Ratio Lower Upper

91 100

126 33.9 16.8 50.4



#80

1,3,5-Trimethylbenzene

Concen: 21.247 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW015205.D

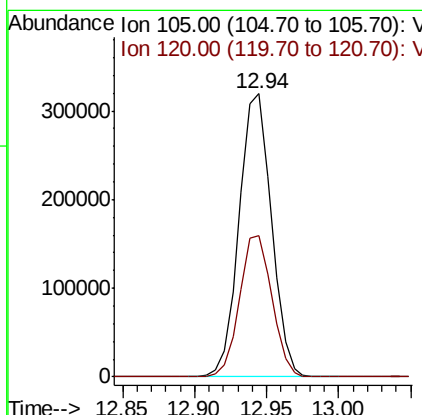
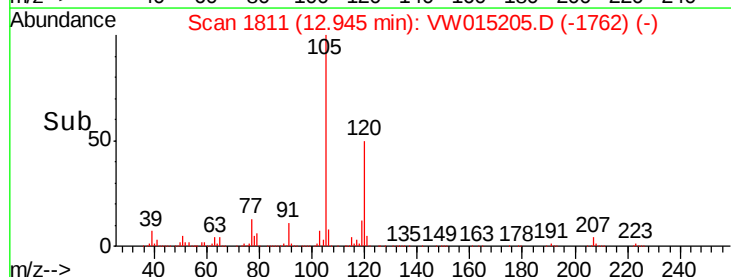
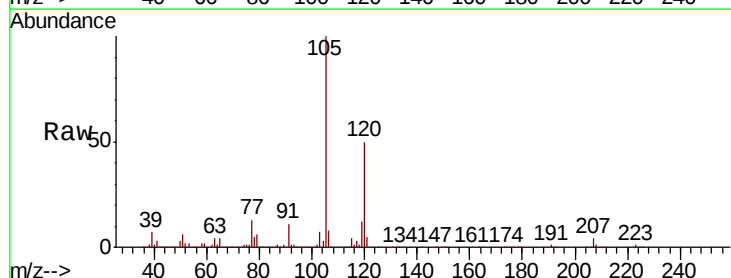
Acq: 15 Apr 2020 16:38

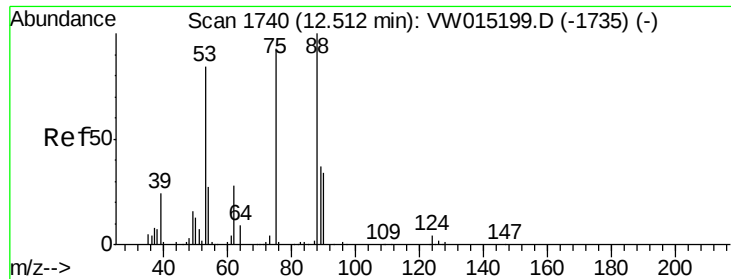
Tgt Ion:105 Resp: 495819

Ion Ratio Lower Upper

105 100

120 50.2 24.9 74.8

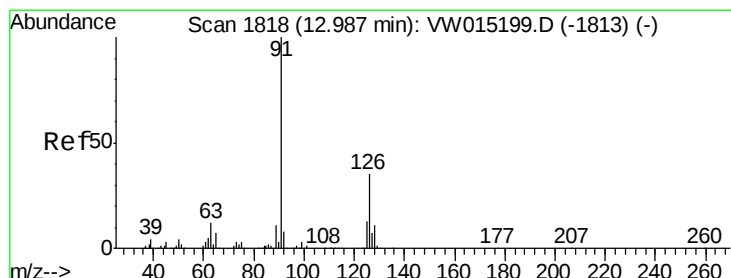
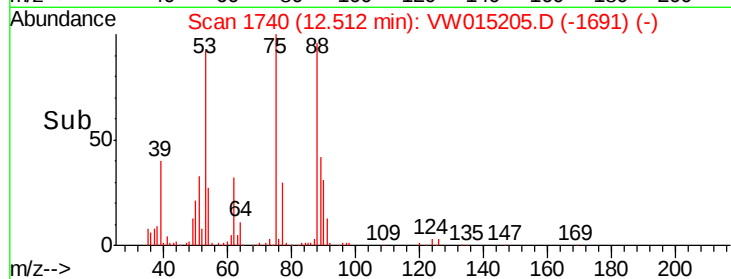
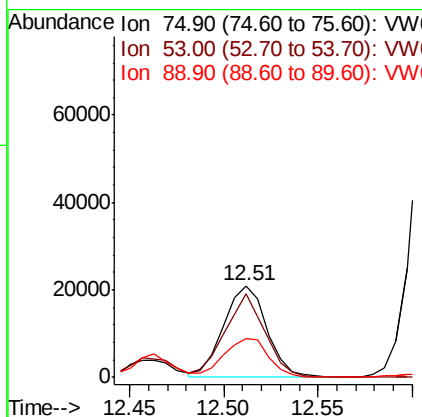
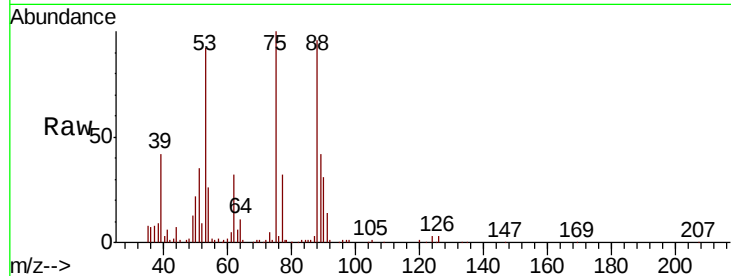




#81
trans-1,4-Dichloro-2-butene
Concen: 20.352 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW015205.D
Acq: 15 Apr 2020 16:38

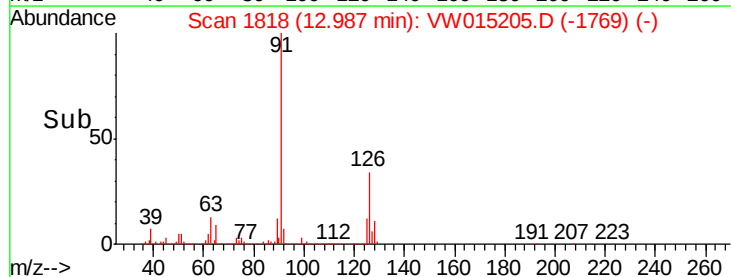
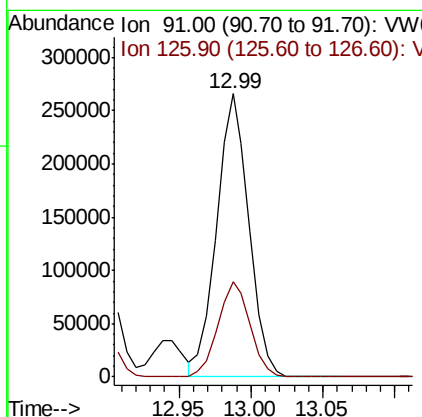
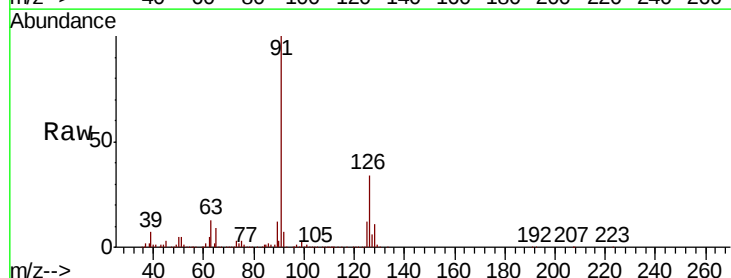
Instrument :
MSVOA_W
ClientSampleId :

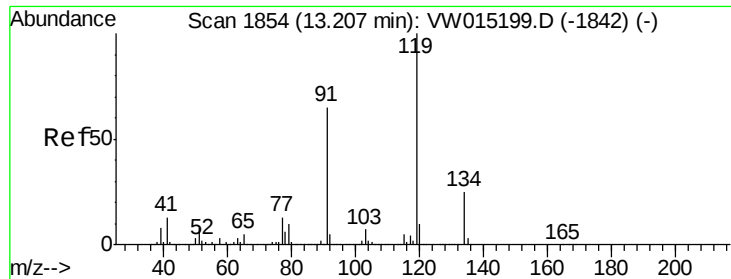
Tot Ion: 75 Resp: 33464
Ion Ratio Lower Upper
75 100
53 85.1 69.4 104.2
89 43.3 34.8 52.2



#82
4-Chlorotoluene
Concen: 21.196 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. 0.00 min
Lab File: VW015205.D
Acq: 15 Apr 2020 16:38

Tgt Ion: 91 Resp: 413754
Ion Ratio Lower Upper
91 100
126 33.7 16.8 50.3

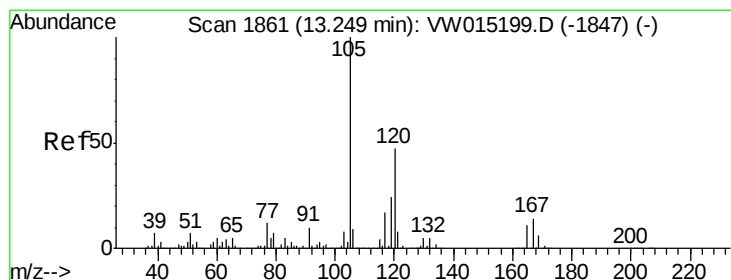
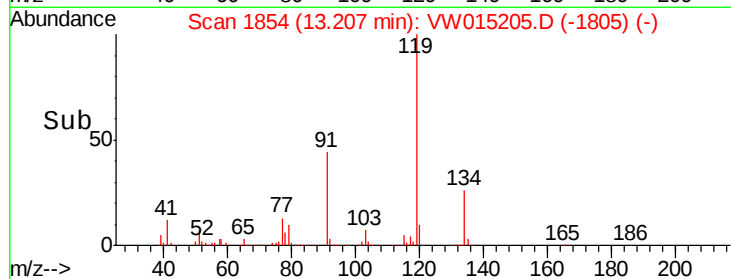
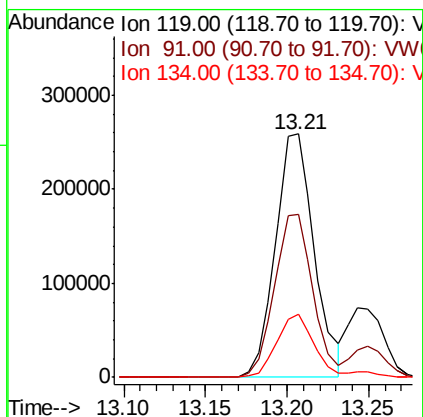
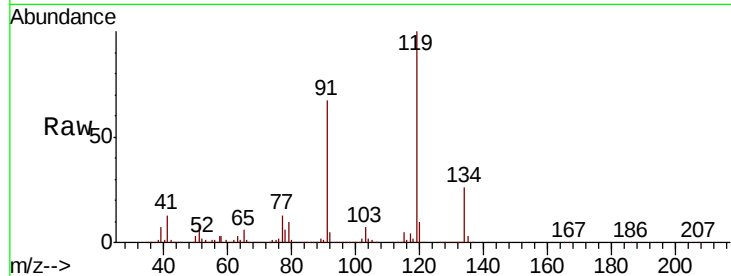




#83
tert-Butylbenzene
Concen: 21.258 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW015205.D
Acq: 15 Apr 2020 16:38

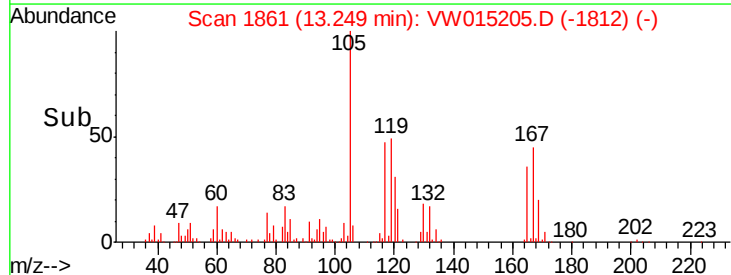
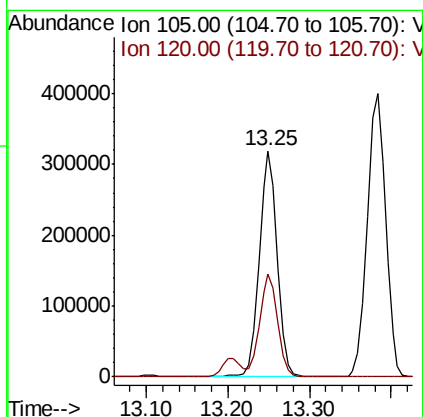
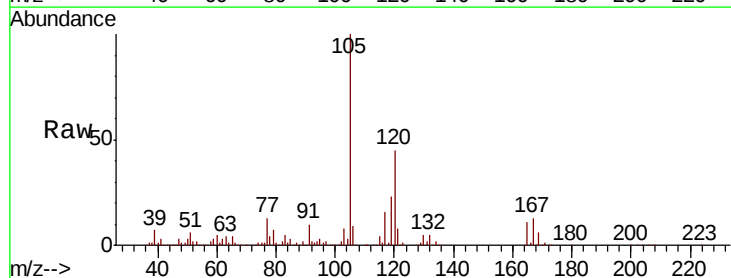
Instrument :
MSVOA_W
ClientSampled :

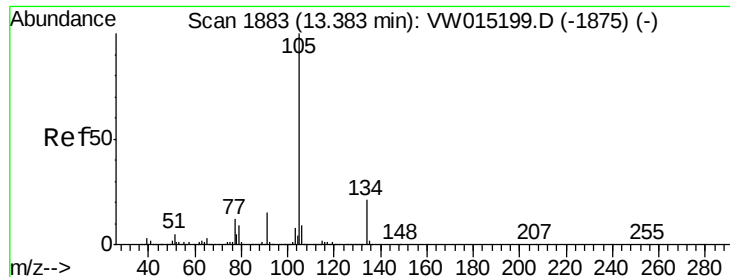
Tot Ion:119 Resp: 430128
Ion Ratio Lower Upper
119 100
91 65.7 32.8 98.3
134 25.0 13.3 39.9



#84
1,2,4-Trimethylbenzene
Concen: 21.318 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VW015205.D
Acq: 15 Apr 2020 16:38

Tgt Ion:105 Resp: 494445
Ion Ratio Lower Upper
105 100
120 44.7 23.0 69.0





#85

sec-Butylbenzene

Concen: 21.382 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW015205.D

Acq: 15 Apr 2020 16:38

Instrument :

MSVOA_W

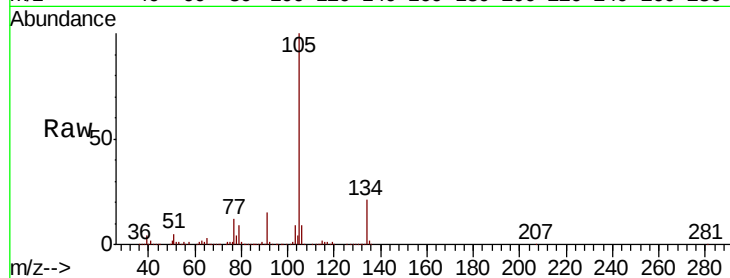
ClientSampleId :

Tot Ion:105 Resp: 614884

Ion Ratio Lower Upper

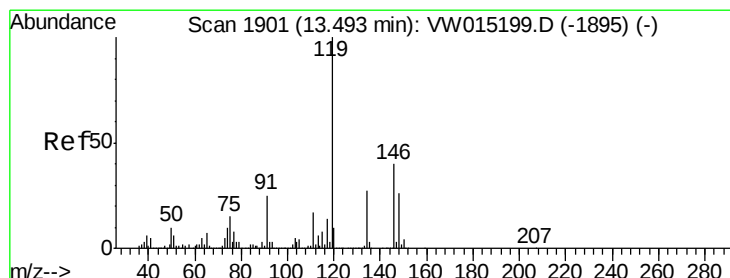
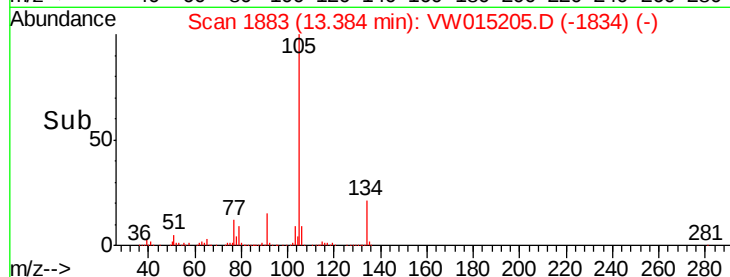
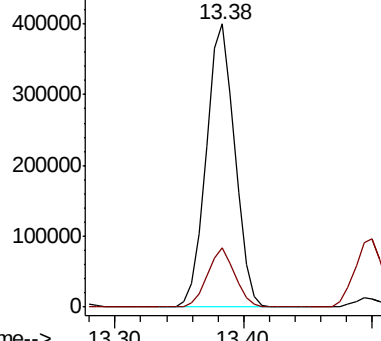
105 100

134 20.1 10.1 30.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 21.169 ug/l

RT: 13.49 min Scan# 1901

Delta R.T. 0.00 min

Lab File: VW015205.D

Acq: 15 Apr 2020 16:38

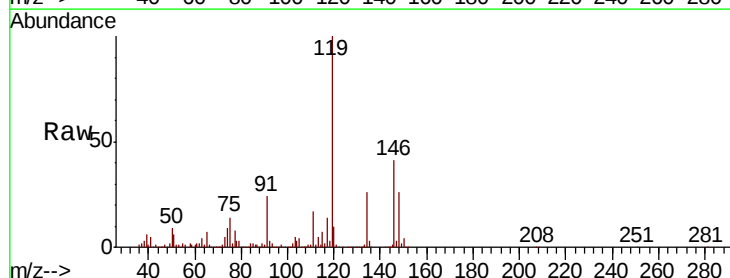
Tgt Ion:119 Resp: 543183

Ion Ratio Lower Upper

119 100

134 27.0 13.3 39.9

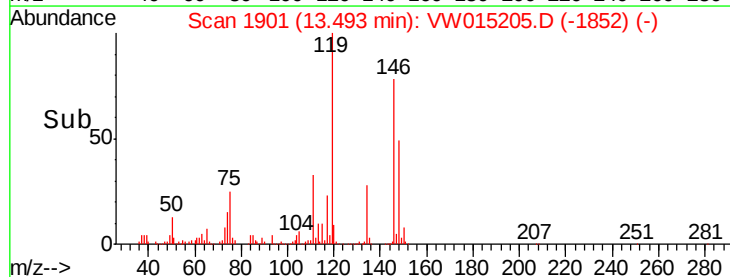
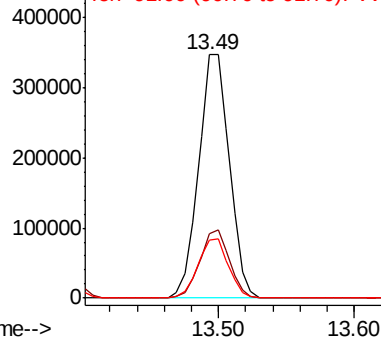
91 23.9 12.0 36.1

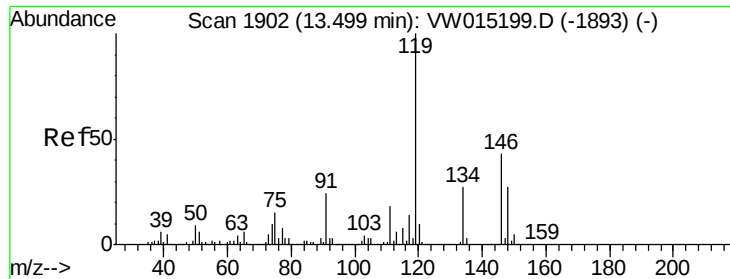


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

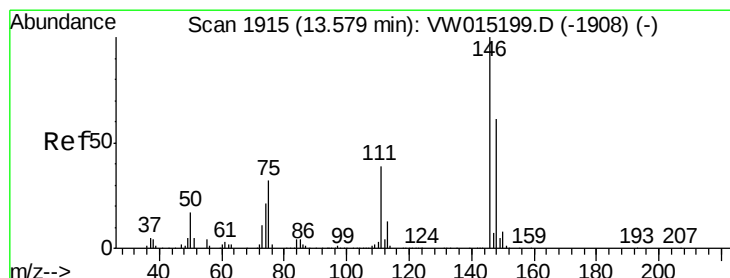
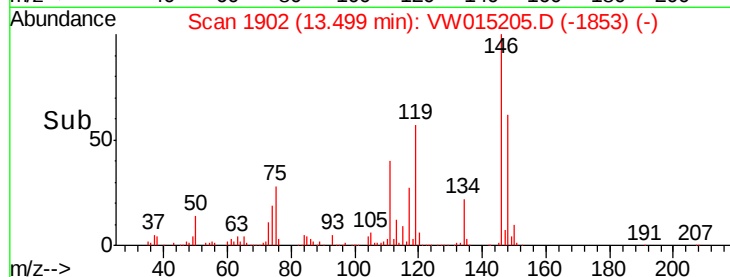
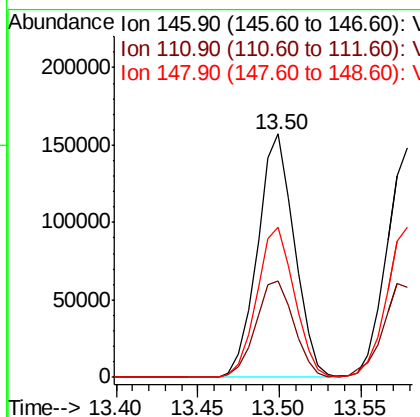
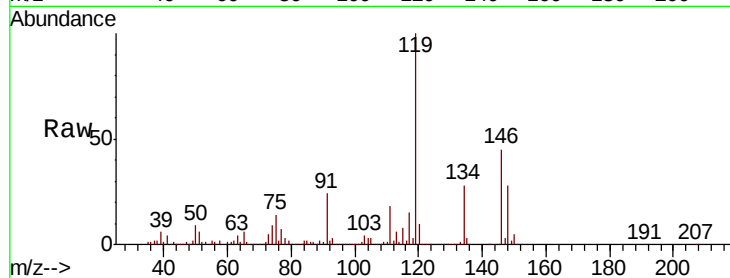




#87
 1,3-Dichlorobenzene
 Concen: 21.507 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW015205.D
 Acq: 15 Apr 2020 16:38

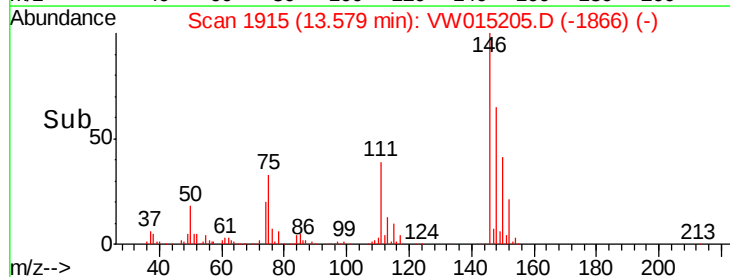
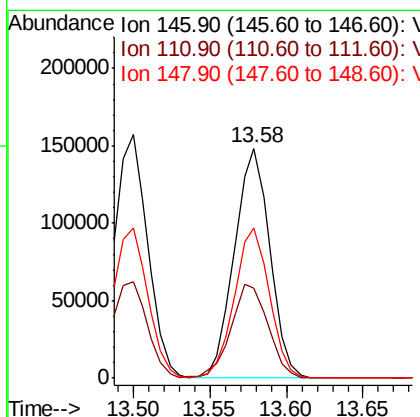
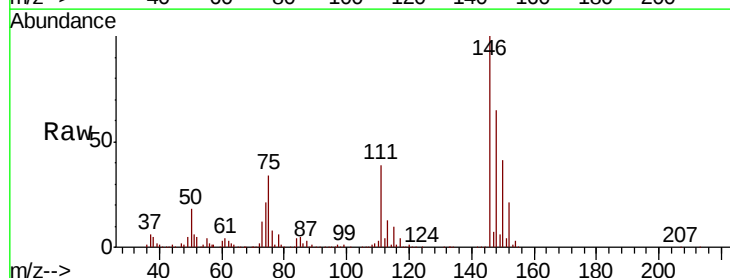
Instrument :
 MSVOA_W
 ClientSampleId :

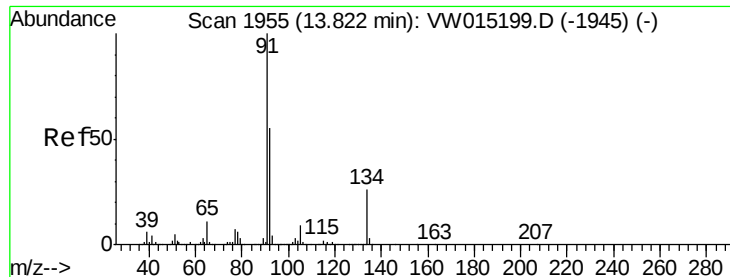
Tot Ion	Ratio	Lower	Upper
146	100		
111	41.1	21.1	63.4
148	62.8	31.8	95.3



#88
 1,4-Dichlorobenzene
 Concen: 20.955 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW015205.D
 Acq: 15 Apr 2020 16:38

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.9	20.4	61.3
148	64.8	31.5	94.5





#89

n-Butylbenzene

Concen: 21.059 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW015205.D

Acq: 15 Apr 2020 16:38

Instrument :

MSVOA_W

ClientSampled :

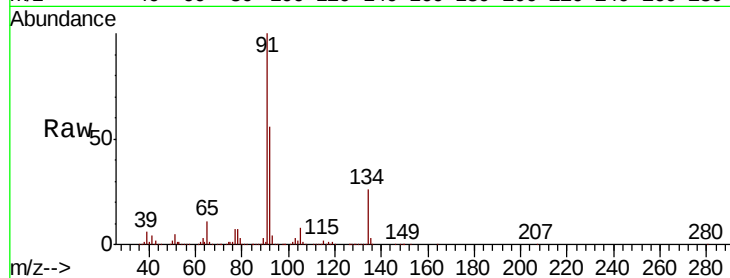
Tot Ion: 91 Resp: 534205

Ion Ratio Lower Upper

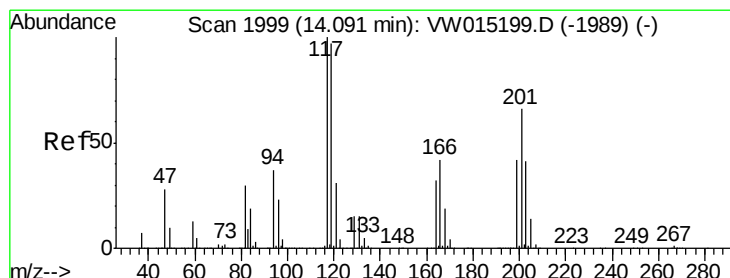
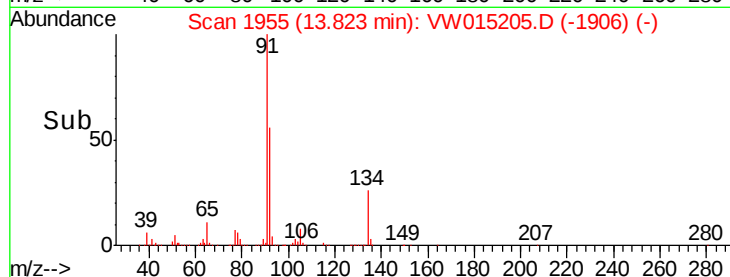
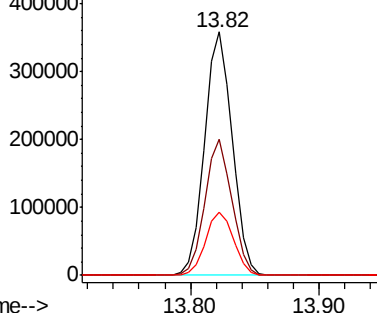
91 100

92 54.4 27.6 82.7

134 26.3 12.8 38.3



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



#90

Hexachloroethane

Concen: 21.183 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. 0.00 min

Lab File: VW015205.D

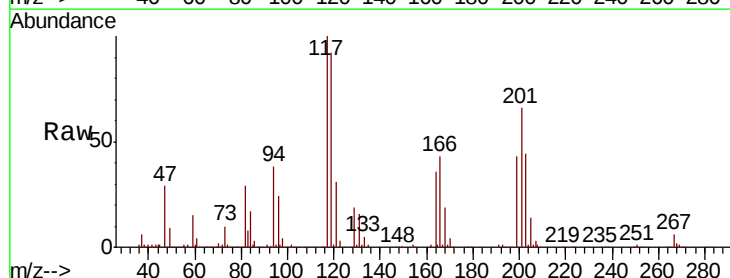
Acq: 15 Apr 2020 16:38

Tgt Ion: 117 Resp: 104503

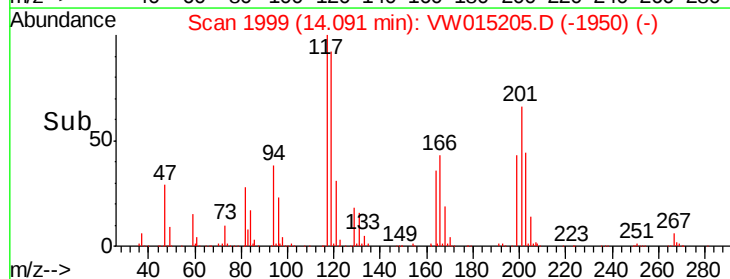
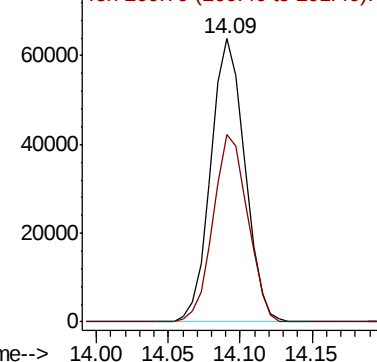
Ion Ratio Lower Upper

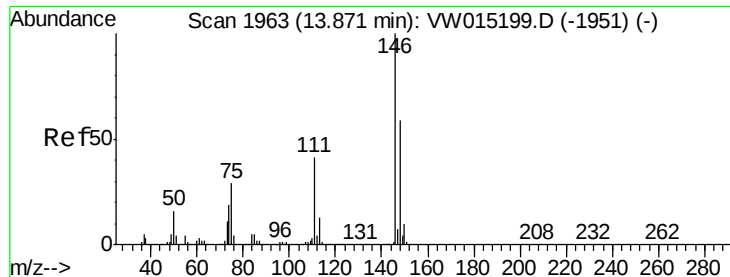
117 100

201 67.3 33.6 100.6



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





#91

1,2-Dichlorobenzene

Concen: 21.155 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VW015205.D

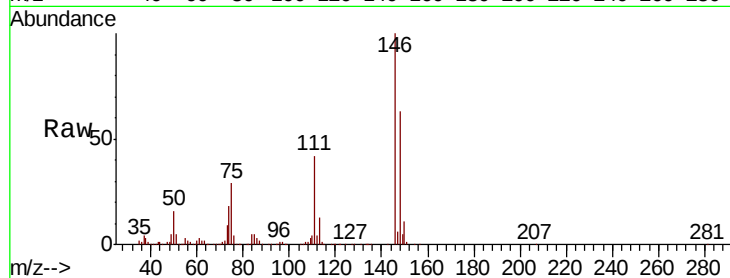
Acq: 15 Apr 2020 16:38

Instrument :

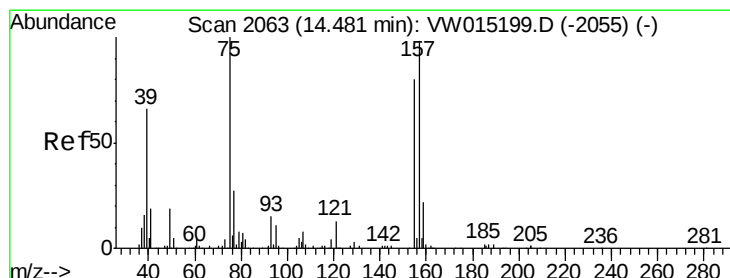
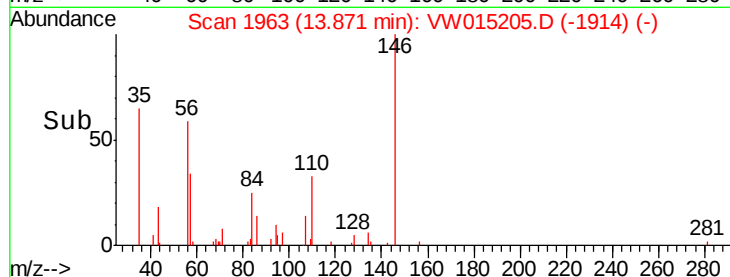
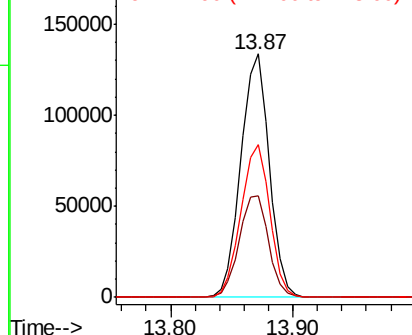
MSVOA_W

ClientSampleId :

Tot Ion:	146	Resp:	215150
Ion	Ratio	Lower	Upper
146	100		
111	43.3	21.6	65.0
148	63.7	31.0	93.0



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: 19.361 ug/l

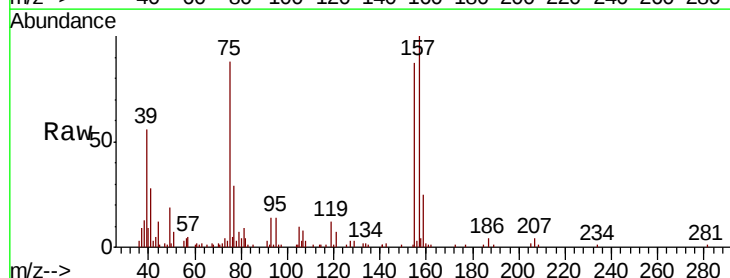
RT: 14.49 min Scan# 2064

Delta R.T. 0.01 min

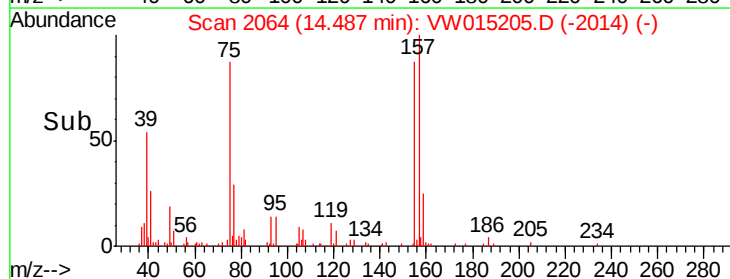
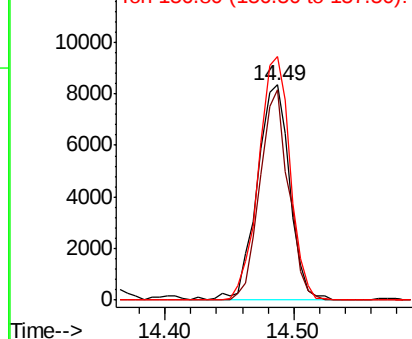
Lab File: VW015205.D

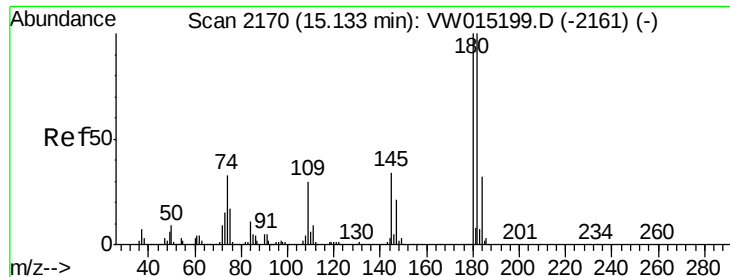
Acq: 15 Apr 2020 16:38

Tgt Ion:	75	Resp:	14556
Ion	Ratio	Lower	Upper
75	100		
155	85.9	41.6	124.9
157	109.1	53.8	161.2



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

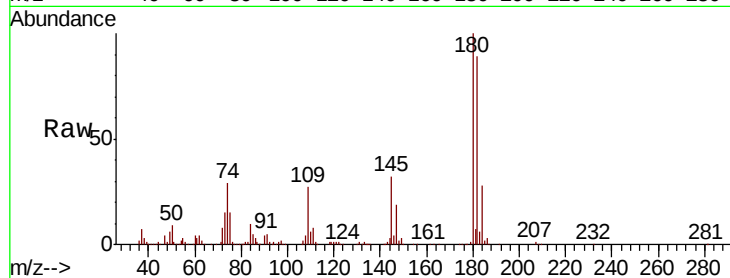




#93
 1,2,4-Trichlorobenzene
 Concen: 21.216 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW015205.D
 Acq: 15 Apr 2020 16:38

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	92.2	47.1	141.4
145	31.4	16.2	48.6

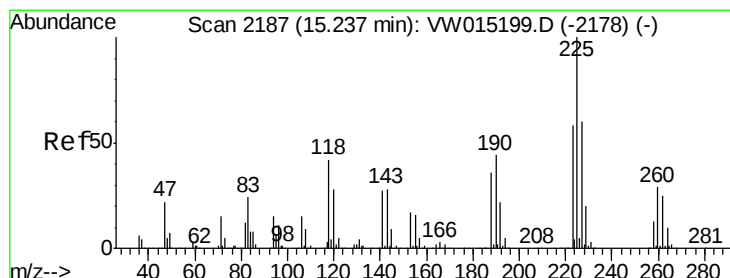
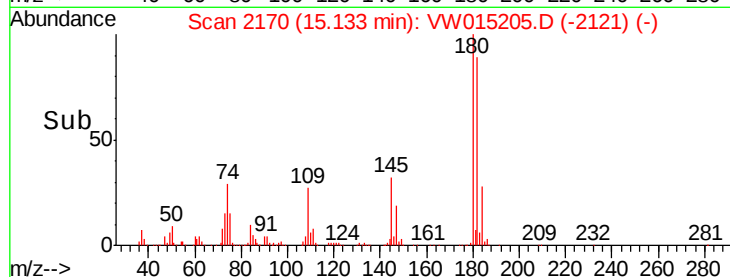
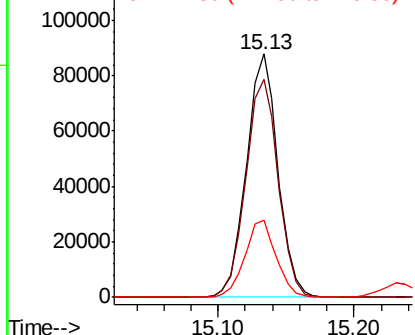


Abundance

Ion 179.80 (179.50 to 180.50): V

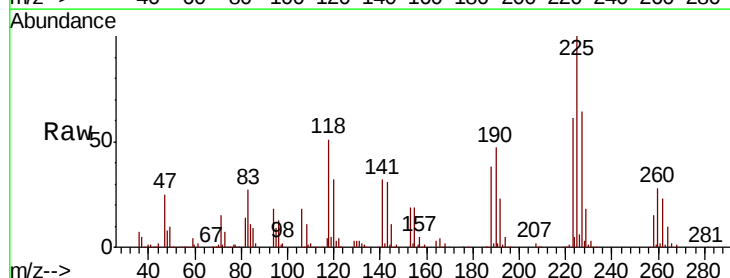
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 21.100 ug/l
 RT: 15.23 min Scan# 2186
 Delta R.T. -0.01 min
 Lab File: VW015205.D
 Acq: 15 Apr 2020 16:38

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.9	31.0	93.0
227	64.1	30.8	92.3

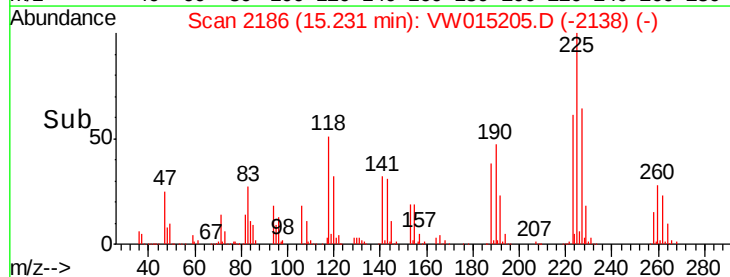
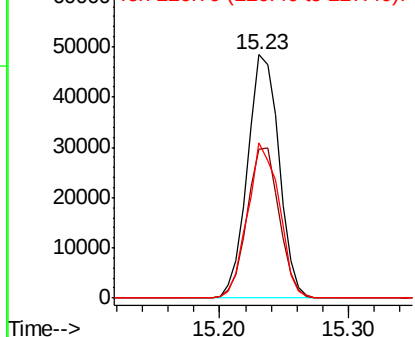


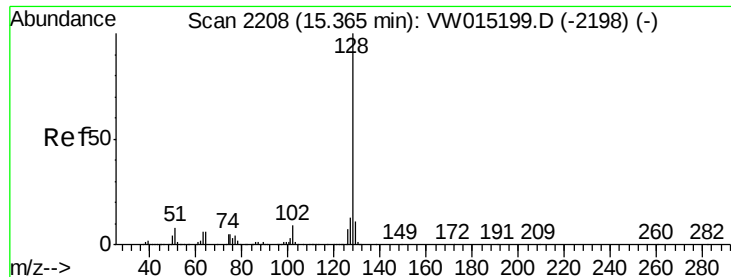
Abundance

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

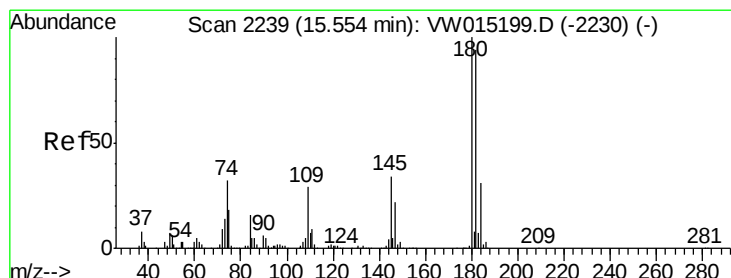
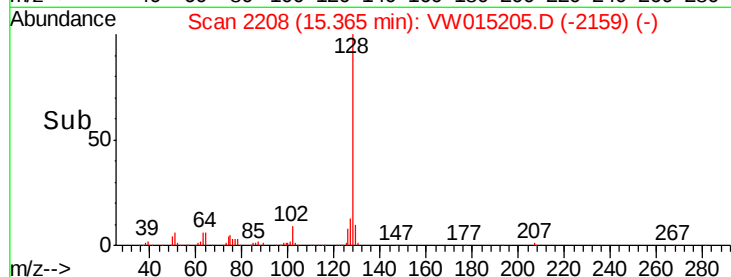
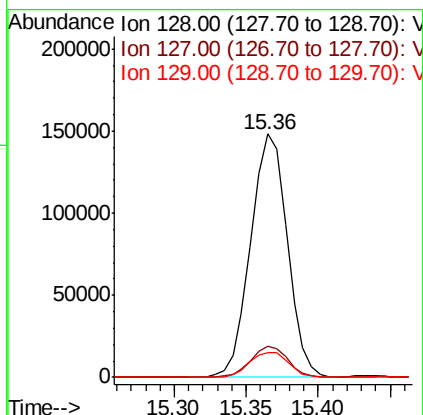
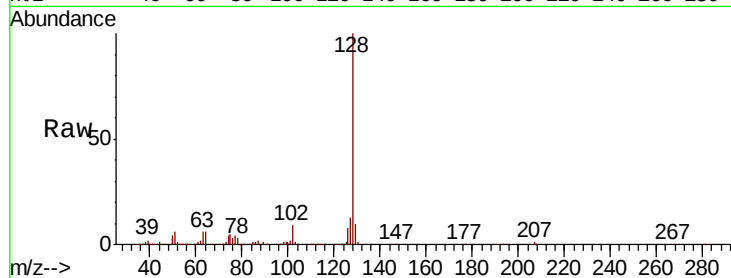




#95
Naphthalene
Concen: 20.202 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW015205.D
Acq: 15 Apr 2020 16:38

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:128 Resp: 260800
Ion Ratio Lower Upper
128 100
127 13.1 10.3 15.5
129 11.2 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 20.350 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VW015205.D
Acq: 15 Apr 2020 16:38

Tgt Ion:180 Resp: 117197
Ion Ratio Lower Upper
180 100
182 95.5 48.8 146.3
145 34.9 17.2 51.6

