

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW051520\
 Data File : VW015431.D
 Acq On : 15 May 2020 13:58
 Operator : SY/VA
 Sample : VW0515SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: May 16 02:48:53 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W050620S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 05 18:41:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	227173	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	368618	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	330158	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	164734	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	123335	49.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.78%	
35) Dibromofluoromethane	7.88	113	106463	50.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.64%	
50) Toluene-d8	10.32	98	435225	49.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.42%	
62) 4-Bromofluorobenzene	12.62	95	161207	49.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.72%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	25137	19.139	ug/l	92
3) Chloromethane	2.21	50	30424	18.503	ug/l	97
4) Vinyl Chloride	2.37	62	49613	19.924	ug/l	98
5) Bromomethane	2.78	94	35306	18.098	ug/l	92
6) Chloroethane	2.92	64	32539	18.962	ug/l	98
7) Trichlorofluoromethane	3.26	101	31809	17.415	ug/l	97
8) Diethyl Ether	3.68	74	22914	20.076	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	43639	20.611	ug/l	98
10) Methyl Iodide	4.27	142	64586	20.159	ug/l	100
11) Tert butyl alcohol	5.20	59	17557	121.921	ug/l	100
12) 1,1-Dichloroethene	4.03	96	43365	19.750	ug/l	97
13) Acrolein	3.89	56	15768	85.746	ug/l	96
14) Allyl chloride	4.67	41	75848	19.715	ug/l	99
15) Acrylonitrile	5.37	53	48475	104.354	ug/l	100
16) Acetone	4.13	43	41481	106.926	ug/l	98
17) Carbon Disulfide	4.38	76	132290	19.649	ug/l	99
18) Methyl Acetate	4.67	43	22005	21.367	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	73212	20.752	ug/l	99
20) Methylene Chloride	4.92	84	50655	20.013	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	49210	19.743	ug/l	97
22) Diisopropyl ether	6.31	45	149069	19.829	ug/l	98
23) Vinyl Acetate	6.26	43	454658	99.488	ug/l	99
24) 1,1-Dichloroethane	6.21	63	88973	19.741	ug/l	100
25) 2-Butanone	7.18	43	65368	108.104	ug/l	100
26) 2,2-Dichloropropane	7.16	77	60660	20.307	ug/l	100
27) cis-1,2-Dichloroethene	7.16	96	54101	19.989	ug/l	99
28) Bromochloromethane	7.51	49	35831	19.772	ug/l	100
29) Tetrahydrofuran	7.53	42	41358	103.929	ug/l	100
30) Chloroform	7.68	83	90104	20.121	ug/l	99
31) Cyclohexane	7.95	56	89396	19.535	ug/l	95
32) 1,1,1-Trichloroethane	7.87	97	76972	20.452	ug/l	99
36) 1,1-Dichloropropene	8.08	75	73856	20.393	ug/l	99
37) Ethyl Acetate	7.26	43	30937	22.015	ug/l	99
38) Carbon Tetrachloride	8.07	117	70367	20.783	ug/l	98

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 Data File : VW015431.D
 Acq On : 15 May 2020 13:58
 Operator : SY/VA
 Sample : VW0515BSD01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: May 16 02:48:53 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W050620S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 05 18:41:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	92381	20.151	ug/l	99
40) Benzene	8.32	78	200948	20.344	ug/l	99
41) Methacrylonitrile	7.48	41	18055	20.335	ug/l	98
42) 1,2-Dichloroethane	8.40	62	62869	20.897	ug/l	100
43) Isopropyl Acetate	8.43	43	62857	21.269	ug/l	98
44) Trichloroethene	9.09	130	53049	20.722	ug/l	94
45) 1,2-Dichloropropane	9.37	63	50362	20.640	ug/l	99
46) Dibromomethane	9.46	93	25437	20.960	ug/l	98
47) Bromodichloromethane	9.65	83	67695	20.467	ug/l	100
48) Methyl methacrylate	9.44	41	28562	20.922	ug/l	96
49) 1,4-Dioxane	9.46	88	6714	439.609	ug/l	93
51) 4-Methyl-2-Pentanone	10.21	43	147782	106.699	ug/l	99
52) Toluene	10.39	92	130473	20.327	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	68954	20.425	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	80706	20.303	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	35377	20.614	ug/l	97
56) Ethyl methacrylate	10.65	69	48191	20.438	ug/l	98
57) 1,3-Dichloropropane	10.93	76	62924	20.393	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	120387	104.945	ug/l	99
59) 2-Hexanone	10.97	43	100570	107.314	ug/l	99
60) Dibromochloromethane	11.13	129	42496	20.589	ug/l	99
61) 1,2-Dibromoethane	11.23	107	33716	20.749	ug/l	99
64) Tetrachloroethene	10.87	164	43339	21.476	ug/l	91
65) Chlorobenzene	11.66	112	133880	20.567	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	47646	20.644	ug/l	98
67) Ethyl Benzene	11.73	91	257091	20.634	ug/l	97
68) m/p-Xylenes	11.83	106	188347	40.658	ug/l	99
69) o-Xylene	12.16	106	90062	20.689	ug/l	98
70) Styrene	12.18	104	152146	20.293	ug/l	100
71) Bromoform	12.35	173	23284	20.687	ug/l #	100
73) Isopropylbenzene	12.46	105	248572	20.212	ug/l	99
74) N-amyl acetate	12.27	43	59556	20.486	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	40131	20.859	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	55047	40.620	ug/l #	100
77) Bromobenzene	12.75	156	53017	20.342	ug/l	99
78) n-propylbenzene	12.80	91	301455	20.430	ug/l	99
79) 2-Chlorotoluene	12.89	91	167710	20.163	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	210221	20.293	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	13969	20.389	ug/l	98
82) 4-Chlorotoluene	12.99	91	179281	20.339	ug/l	100
83) tert-Butylbenzene	13.21	119	180491	20.419	ug/l	100
84) 1,2,4-Trimethylbenzene	13.25	105	213255	20.578	ug/l	100
85) sec-Butylbenzene	13.38	105	258257	20.736	ug/l	99
86) p-Isopropyltoluene	13.50	119	232975	20.510	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	107294	20.667	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	107127	20.835	ug/l	99
89) n-Butylbenzene	13.82	91	229215	20.613	ug/l	100
90) Hexachloroethane	14.09	117	43091	20.586	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	93876	20.884	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.49	75	7282	21.681	ug/l	97

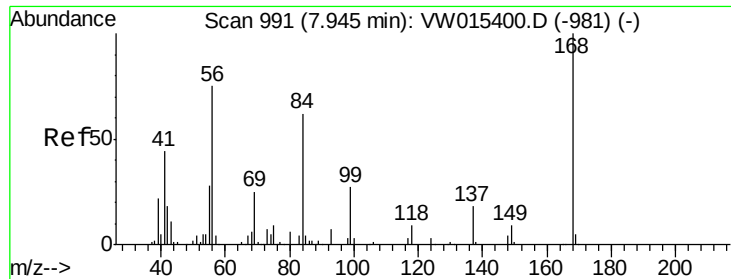
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW051520\
Data File : VW015431.D
Acq On : 15 May 2020 13:58
Operator : SY/VA
Sample : VW0515SBSD01
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Quant Time: May 16 02:48:53 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W050620S.M
Quant Title : SW846 8260
QLast Update : Tue May 05 18:41:17 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	64937	21.494	ug/l	98
94) Hexachlorobutadiene	15.24	225	37747	21.084	ug/l	98
95) Naphthalene	15.36	128	113535	20.980	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	53141	20.471	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.01 min

Lab File: VW015431.D

Acq: 15 May 2020 13:58

Instrument :

MSVOA_W

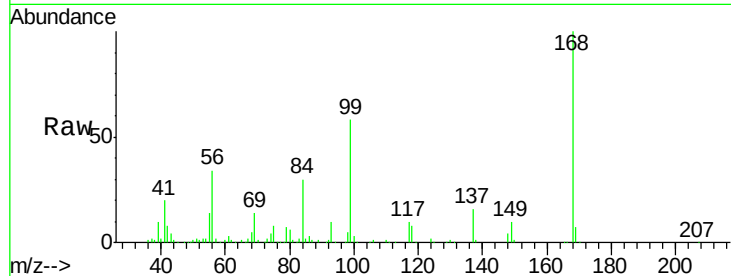
ClientSampled :

Tot Ion:168 Resp: 227173

Ion Ratio Lower Upper

168 100

99 58.1 50.3 75.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

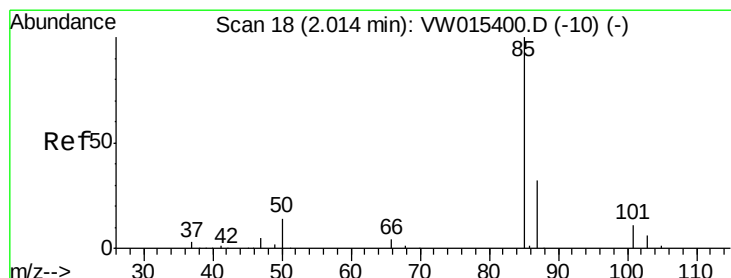
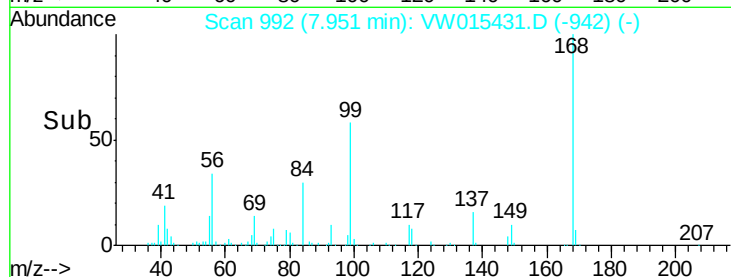
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 19.139 ug/l

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW015431.D

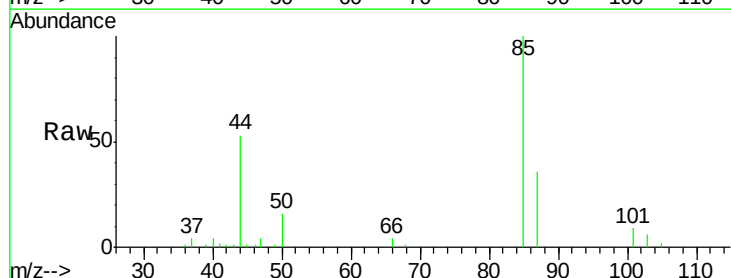
Acq: 15 May 2020 13:58

Tgt Ion: 85 Resp: 25137

Ion Ratio Lower Upper

85 100

87 36.4 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

8000

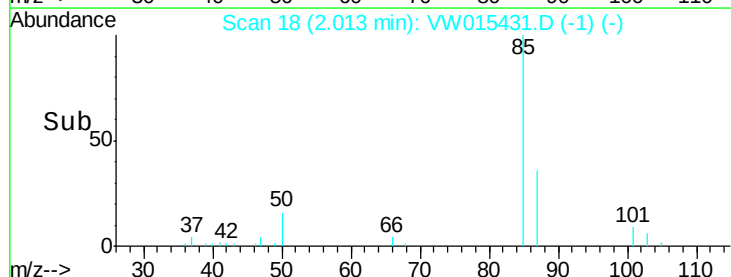
6000

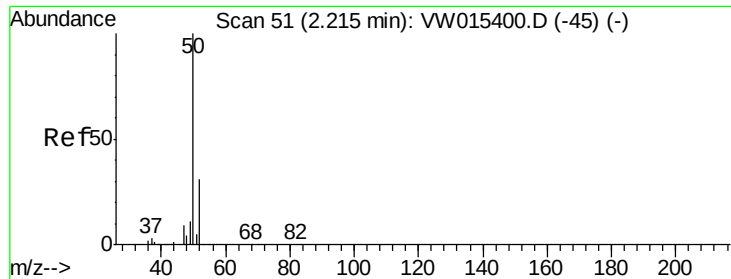
4000

2000

0

Time-->





#3

Chloromethane

Concen: 18.503 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW015431.D

Acq: 15 May 2020 13:58

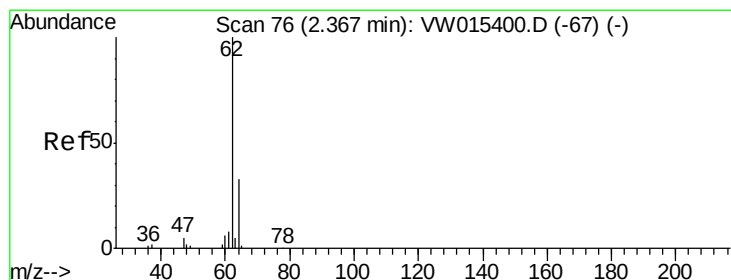
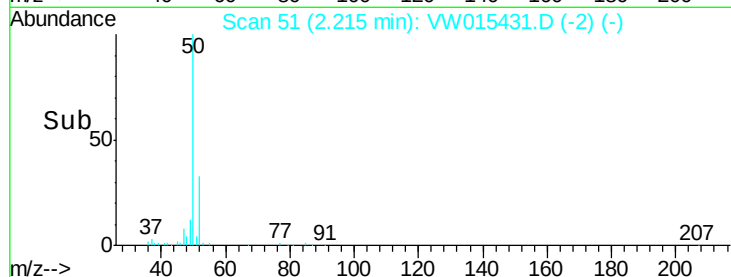
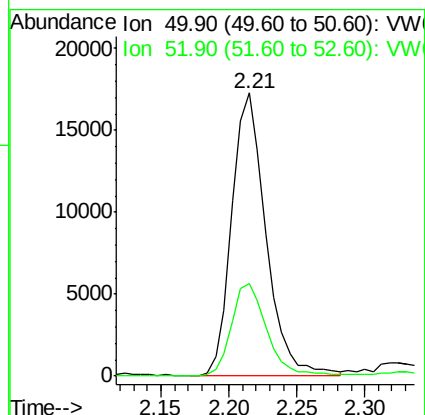
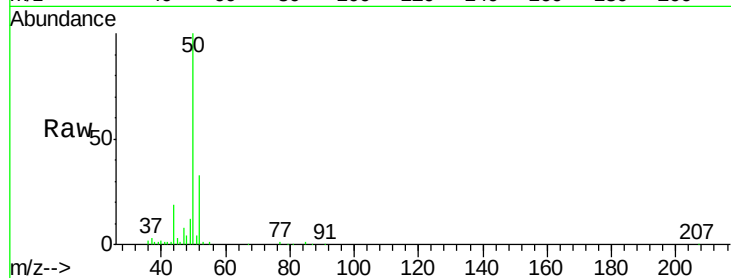
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 50 Resp: 30424

Ion Ratio Lower Upper

50 100

52 32.9 25.0 37.6



#4

Vinyl Chloride

Concen: 19.924 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW015431.D

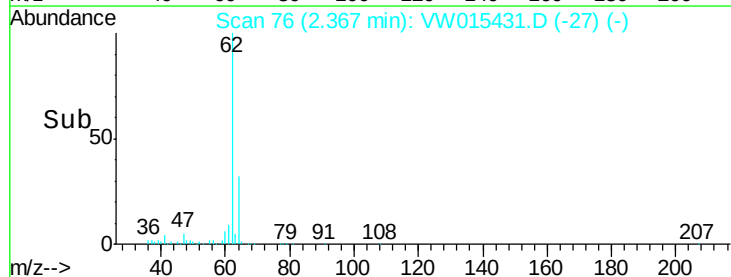
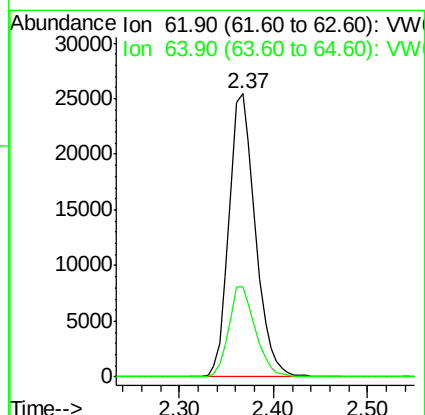
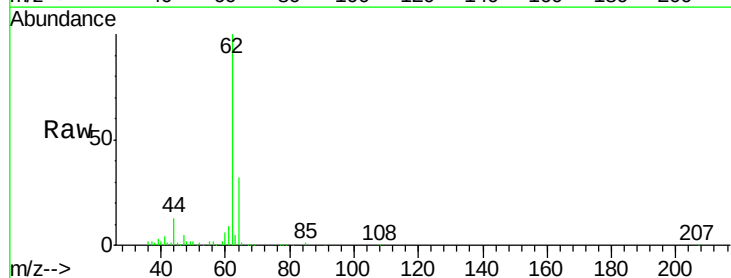
Acq: 15 May 2020 13:58

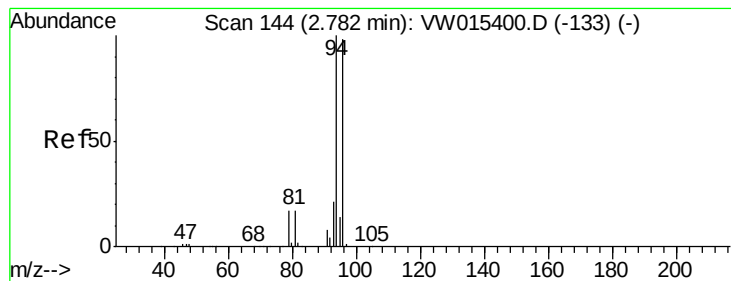
Tgt Ion: 62 Resp: 49613

Ion Ratio Lower Upper

62 100

64 32.1 26.4 39.6





#5

Bromomethane

Concen: 18.098 ug/l

RT: 2.78 min Scan# 143

Delta R.T. -0.01 min

Lab File: VW015431.D

Acq: 15 May 2020 13:58

Instrument :

MSVOA_W

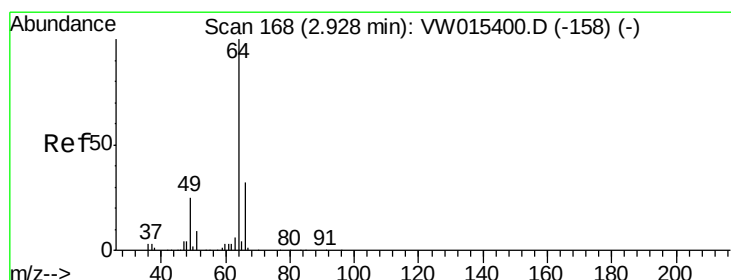
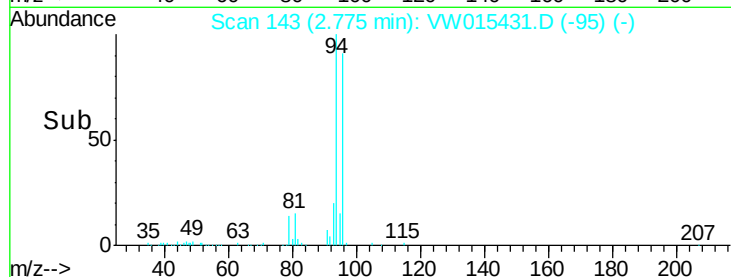
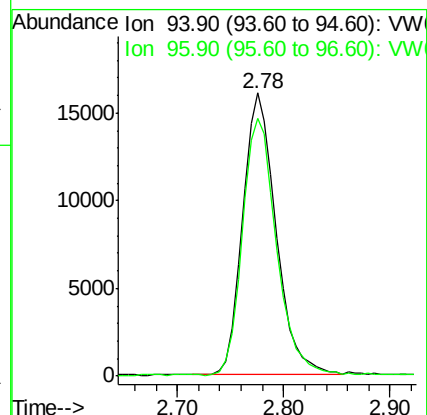
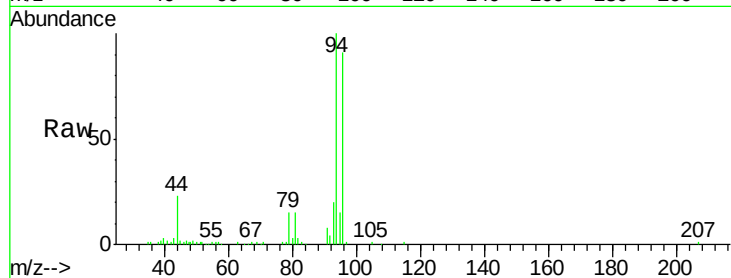
ClientSampleId :

Tot Ion: 94 Resp: 35306

Ion Ratio Lower Upper

94 100

96 90.8 78.8 118.2



#6

Chloroethane

Concen: 18.962 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.01 min

Lab File: VW015431.D

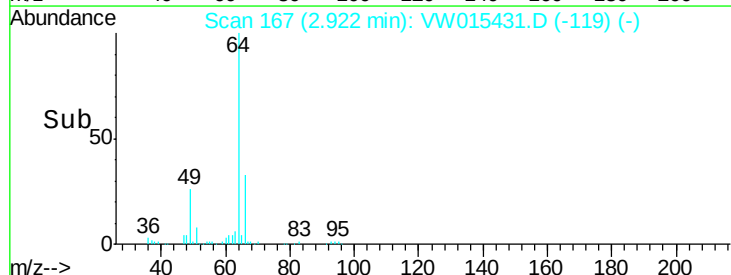
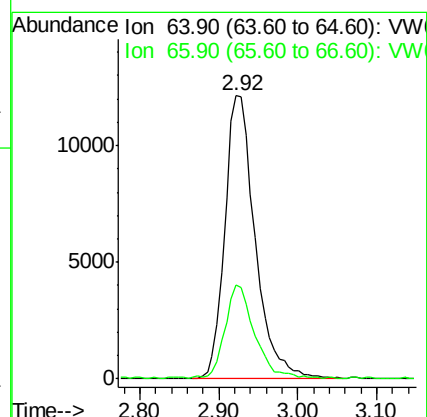
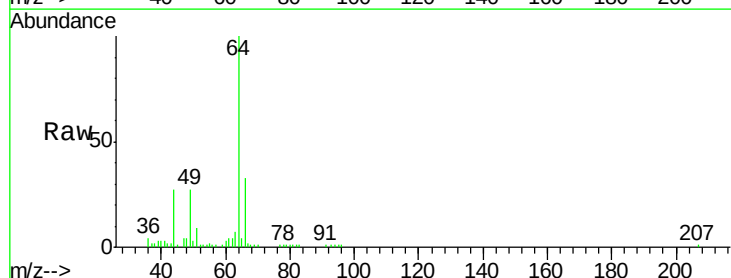
Acq: 15 May 2020 13:58

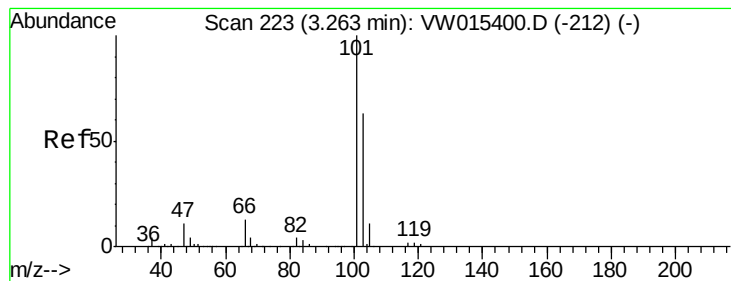
Tgt Ion: 64 Resp: 32539

Ion Ratio Lower Upper

64 100

66 33.0 25.4 38.0



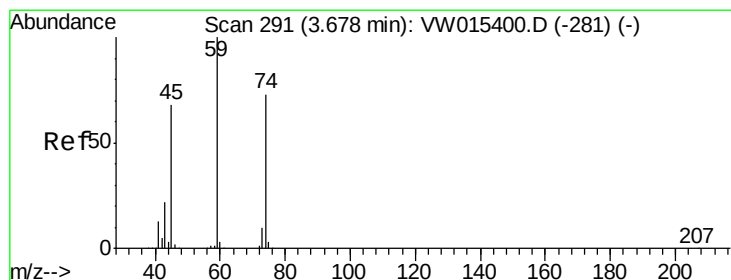
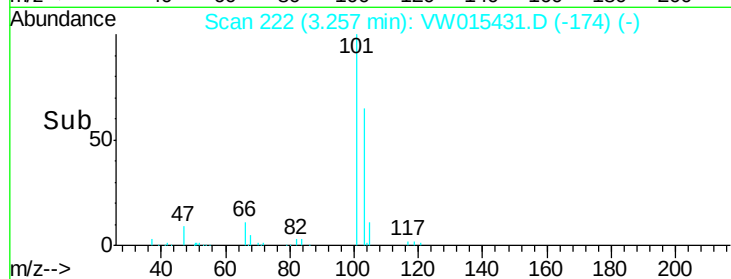
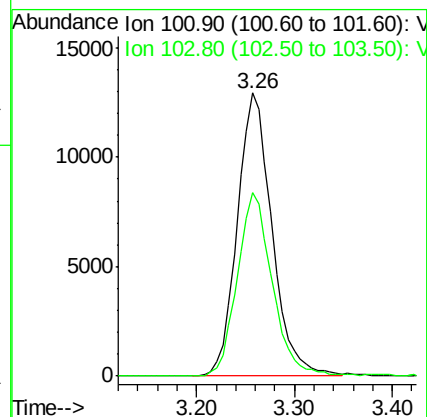
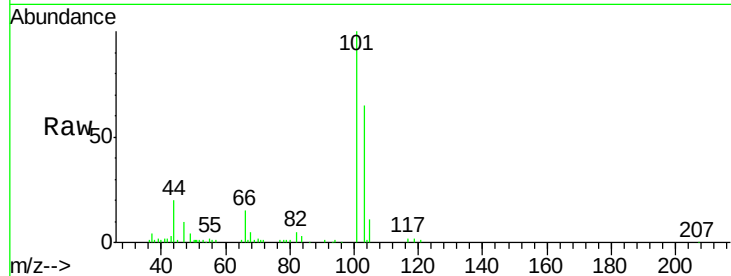


#7

Trichlorofluoromethane
 Concen: 17.415 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. -0.01 min
 Lab File: VW015431.D
 Acq: 15 May 2020 13:58

Instrument :
 MSVOA_W
 ClientSampleId :

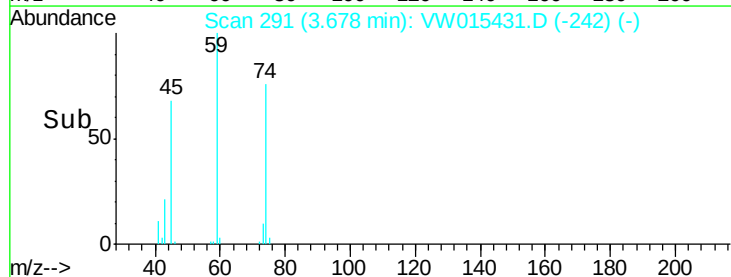
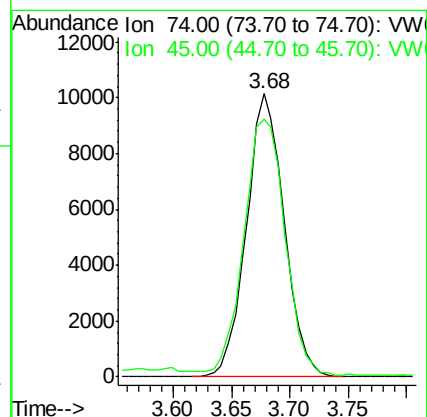
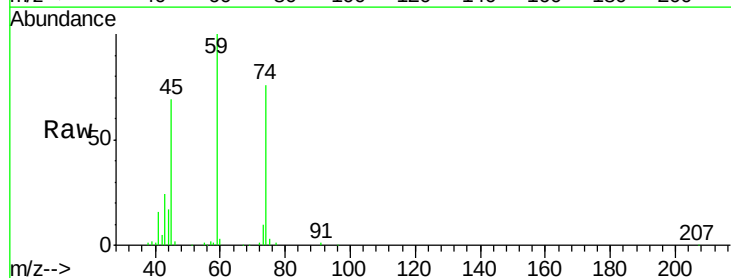
Tot Ion:101 Resp: 31809
 Ion Ratio Lower Upper
 101 100
 103 64.8 50.2 75.4

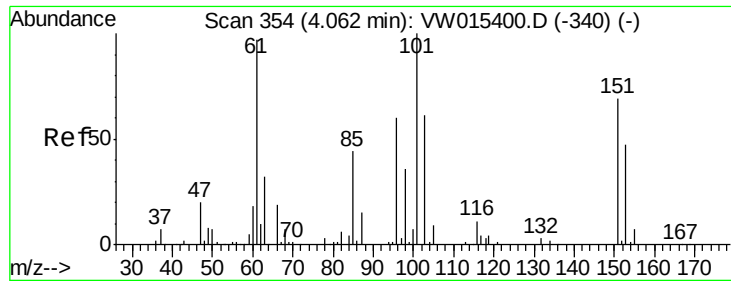


#8

Diethyl Ether
 Concen: 20.076 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.00 min
 Lab File: VW015431.D
 Acq: 15 May 2020 13:58

Tgt Ion: 74 Resp: 22914
 Ion Ratio Lower Upper
 74 100
 45 97.5 48.3 144.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.611 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.00 min

Lab File: VW015431.D

Acq: 15 May 2020 13:58

Instrument :

MSVOA_W

ClientSampled :

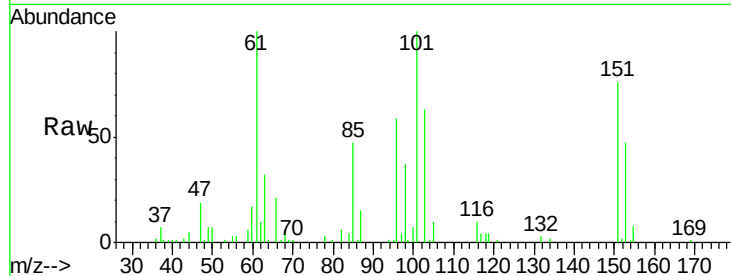
Tot Ion:101 Resp: 43639

Ion Ratio Lower Upper

101 100

85 45.3 37.3 55.9

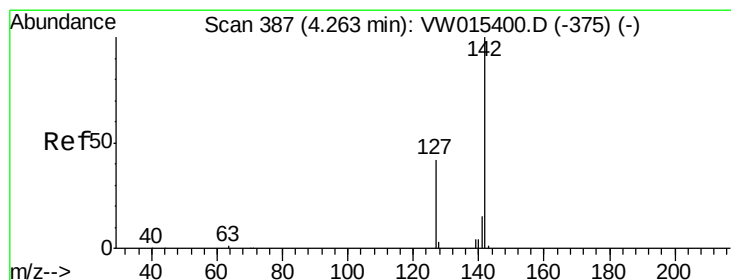
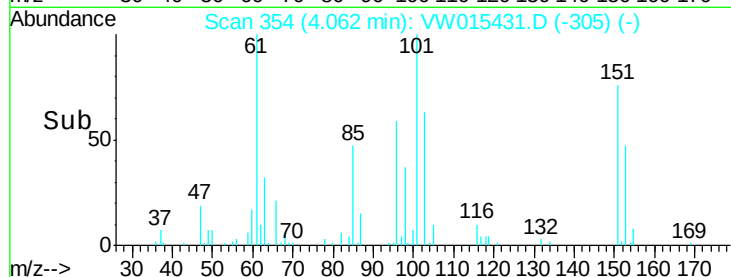
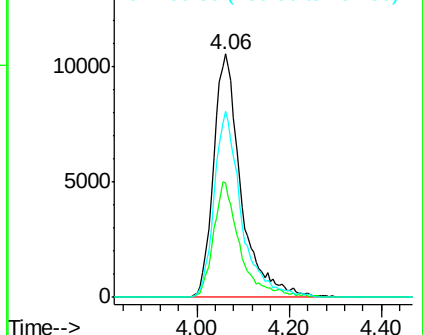
151 75.5 58.9 88.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 20.159 ug/l

RT: 4.27 min Scan# 388

Delta R.T. 0.01 min

Lab File: VW015431.D

Acq: 15 May 2020 13:58

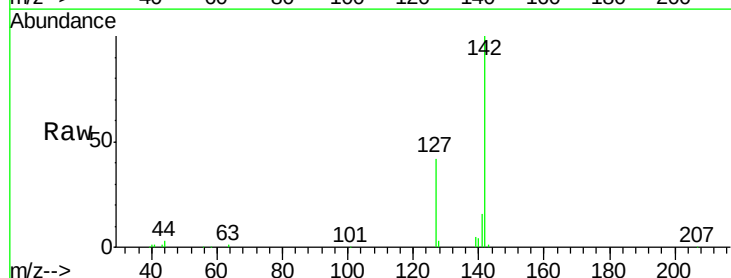
Tgt Ion:142 Resp: 64586

Ion Ratio Lower Upper

142 100

127 44.0 35.4 53.2

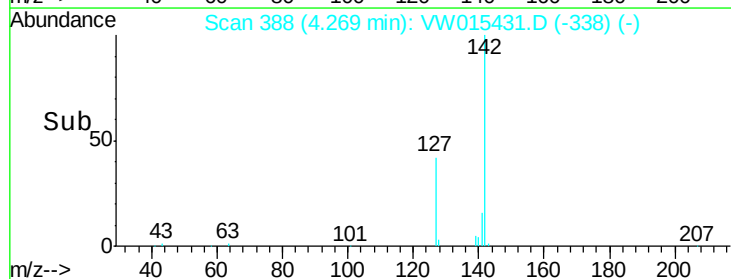
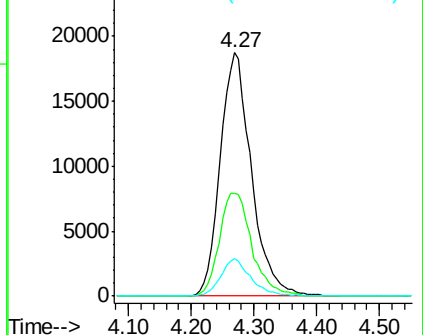
141 14.7 11.7 17.5

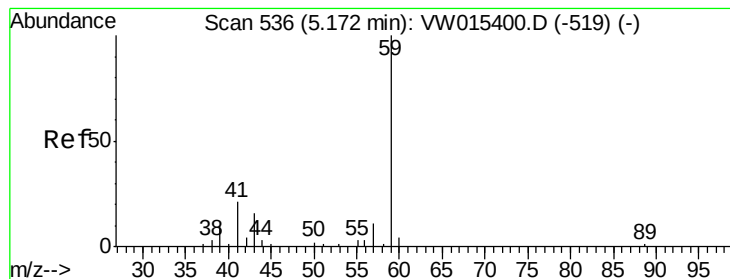


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



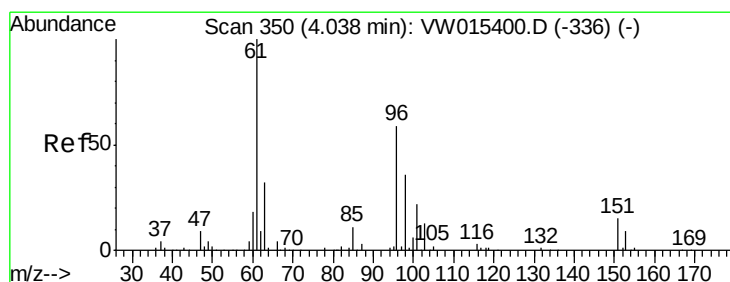
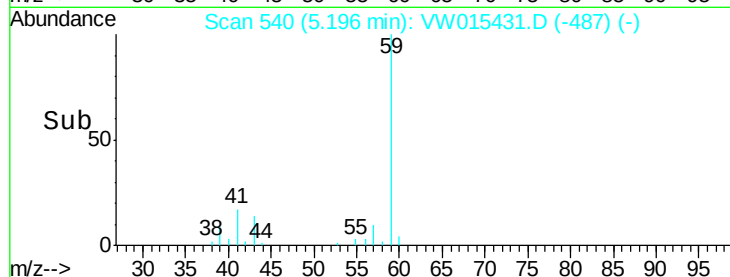
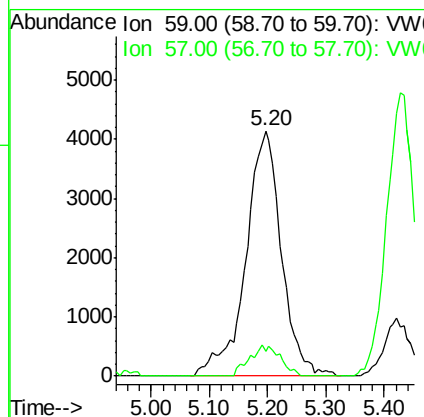
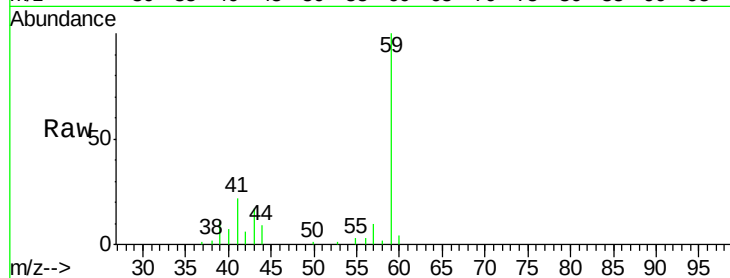


#11

Tert butyl alcohol
 Concen: 121.921 ug/l
 RT: 5.20 min Scan# 540
 Delta R.T. 0.02 min
 Lab File: VW015431.D
 Acq: 15 May 2020 13:58

Instrument :
 MSVOA_W
 ClientSampled :

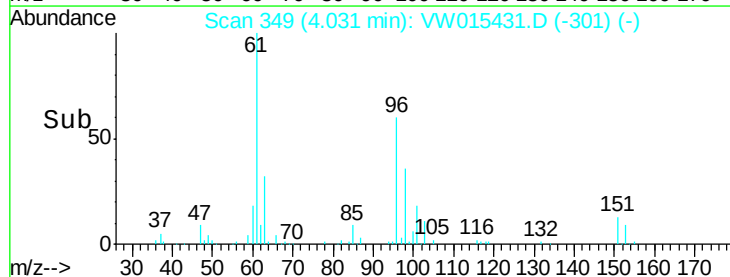
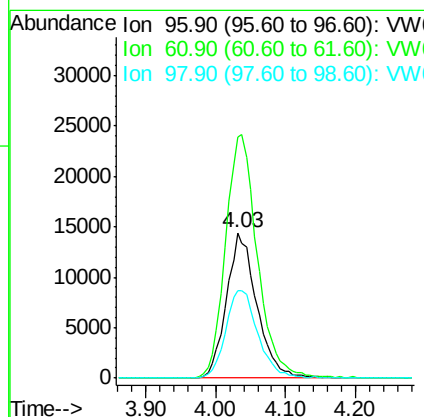
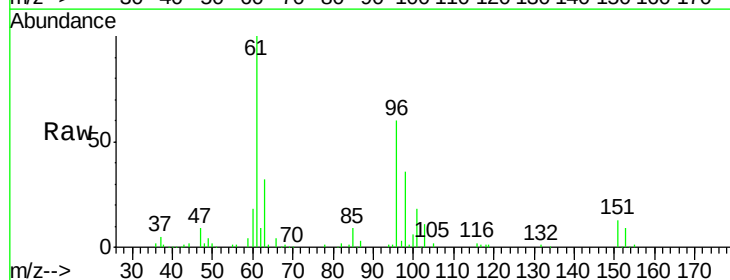
Tot Ion: 59 Resp: 17557
 Ion Ratio Lower Upper
 59 100
 57 10.8 8.6 13.0

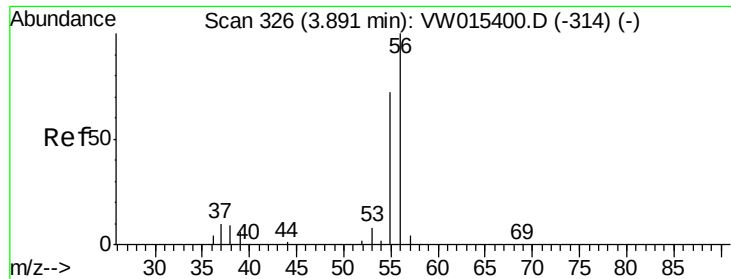


#12

1,1-Dichloroethene
 Concen: 19.750 ug/l
 RT: 4.03 min Scan# 349
 Delta R.T. -0.01 min
 Lab File: VW015431.D
 Acq: 15 May 2020 13:58

Tgt Ion: 96 Resp: 43365
 Ion Ratio Lower Upper
 96 100
 61 165.7 135.8 203.8
 98 59.8 48.6 72.8





#13

Acrolein

Concen: 85.746 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.00 min

Lab File: VW015431.D

Acq: 15 May 2020 13:58

Instrument :

MSVOA_W

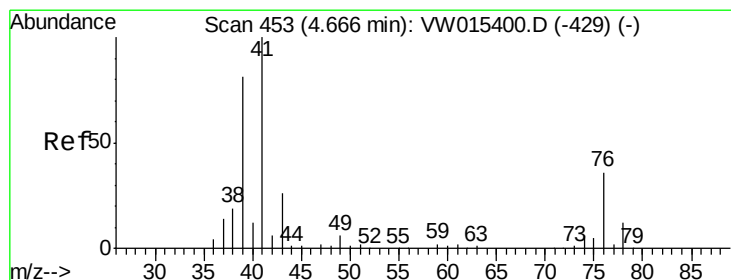
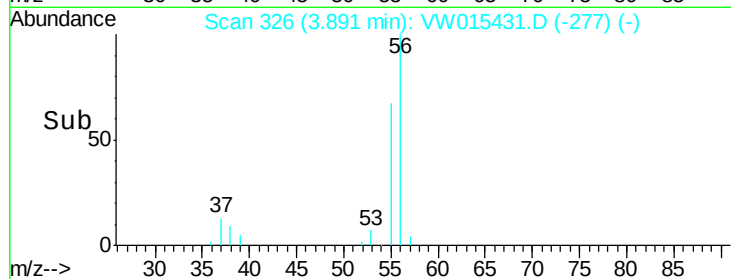
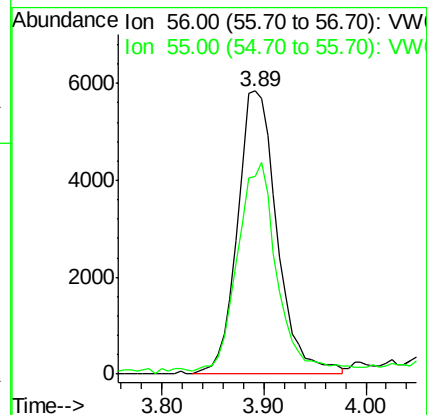
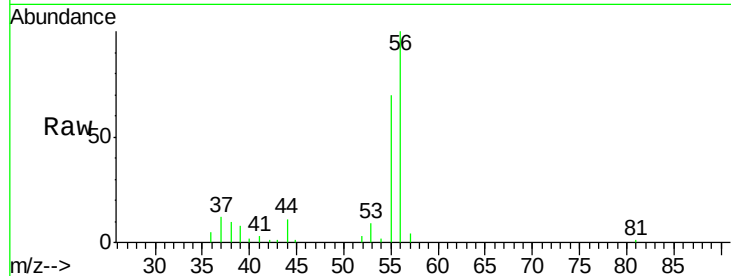
ClientSampleId :

Tot Ion: 56 Resp: 15768

Ion Ratio Lower Upper

56 100

55 73.8 56.4 84.6



#14

Allyl chloride

Concen: 19.715 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW015431.D

Acq: 15 May 2020 13:58

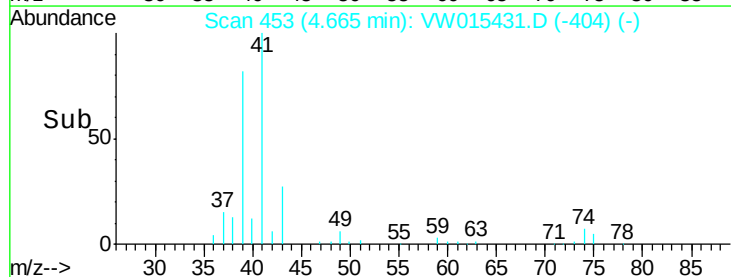
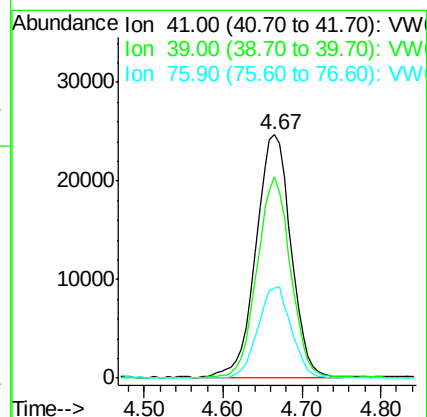
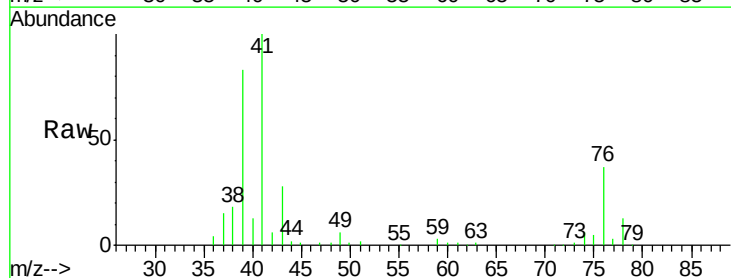
Tgt Ion: 41 Resp: 75848

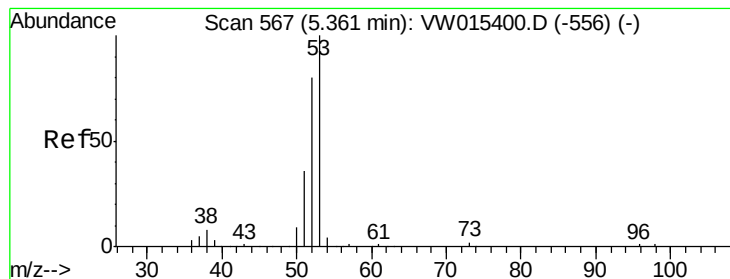
Ion Ratio Lower Upper

41 100

39 79.0 63.6 95.4

76 35.9 28.4 42.6





#15

Acrylonitrile

Concen: 104.354 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.01 min

Lab File: VW015431.D

Acq: 15 May 2020 13:58

Instrument :
MSVOA_W
ClientSampleId :

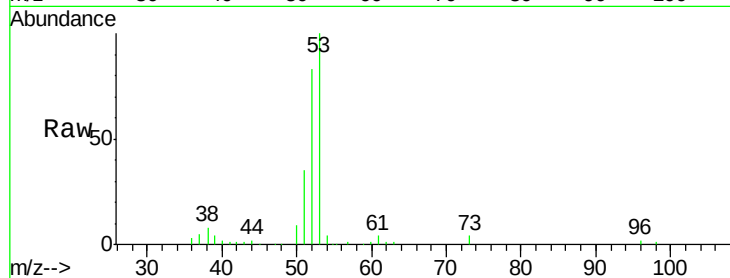
Tot Ion: 53 Resp: 48475

Ion Ratio Lower Upper

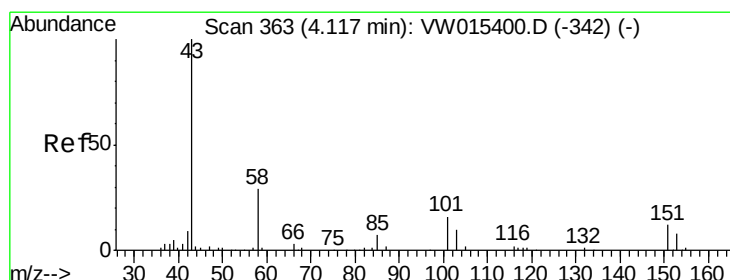
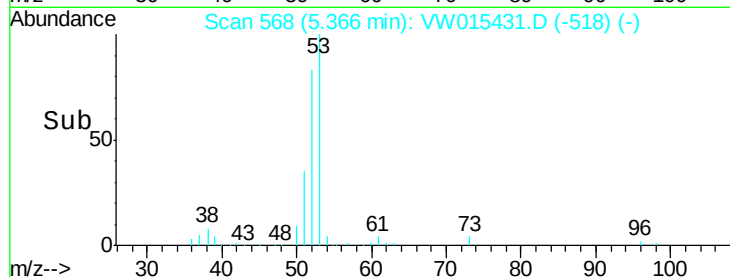
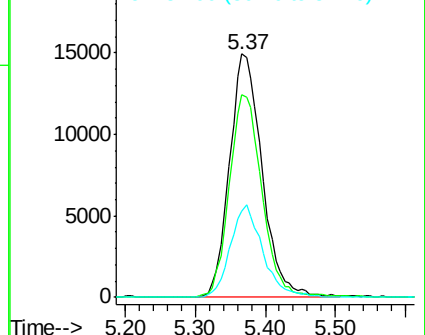
53 100

52 83.1 66.6 99.8

51 37.8 30.2 45.2



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: 106.926 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW015431.D

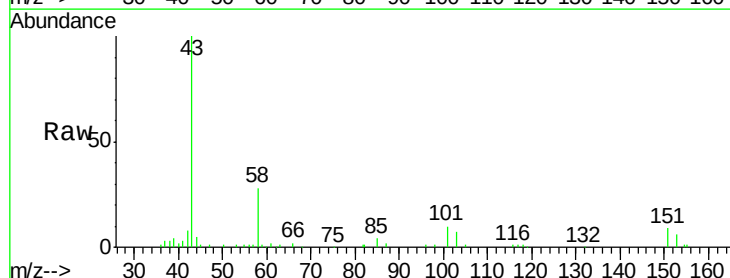
Acq: 15 May 2020 13:58

Tgt Ion: 43 Resp: 41481

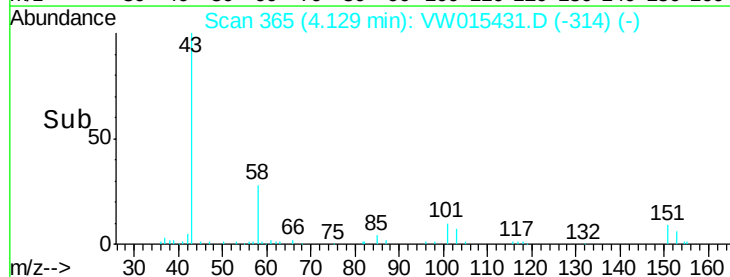
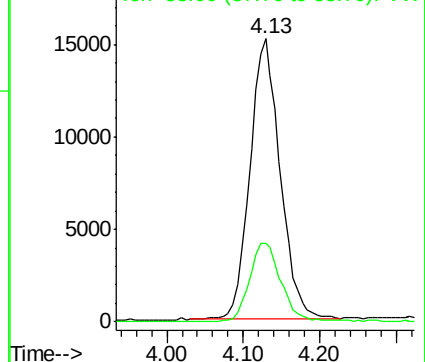
Ion Ratio Lower Upper

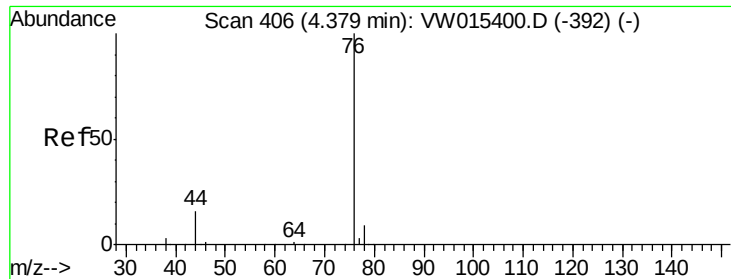
43 100

58 27.9 23.4 35.0



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





#17

Carbon Disulfide

Concen: 19.649 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.00 min

Lab File: VW015431.D

Acq: 15 May 2020 13:58

Instrument :

MSVOA_W

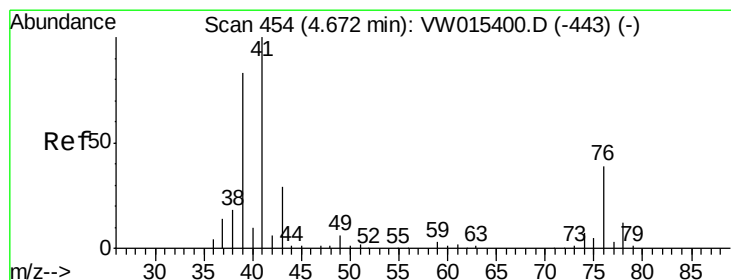
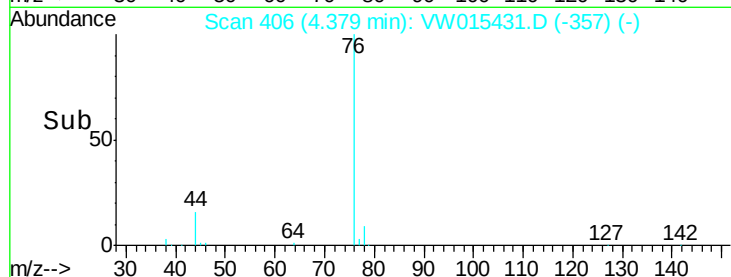
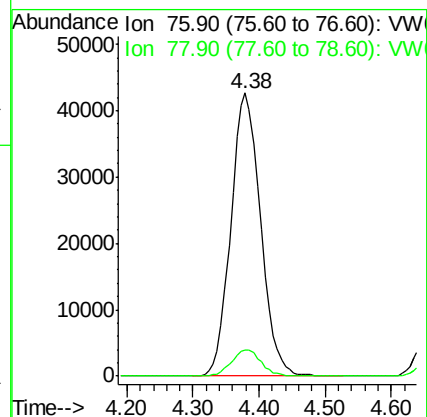
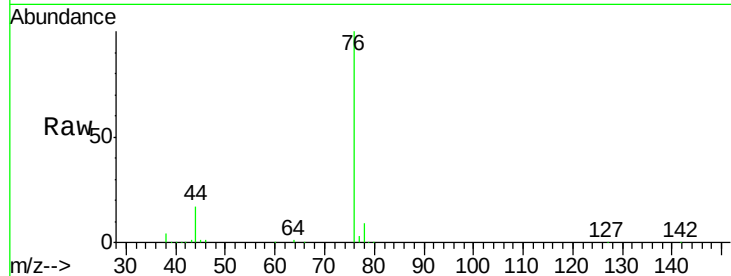
ClientSampleId :

Tot Ion: 76 Resp: 132290

Ion Ratio Lower Upper

76 100

78 9.4 7.3 10.9



#18

Methyl Acetate

Concen: 21.367 ug/l

RT: 4.67 min Scan# 454

Delta R.T. -0.00 min

Lab File: VW015431.D

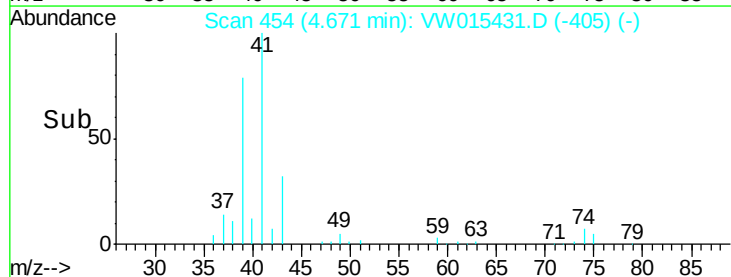
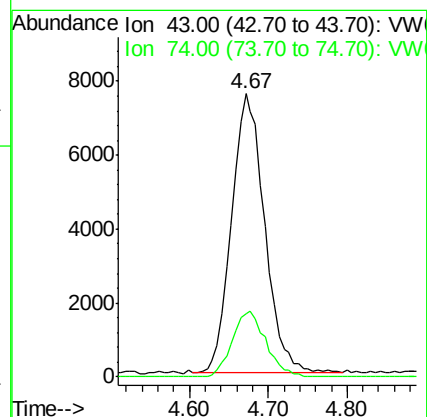
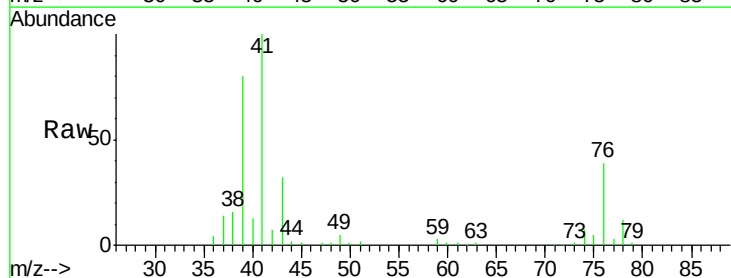
Acq: 15 May 2020 13:58

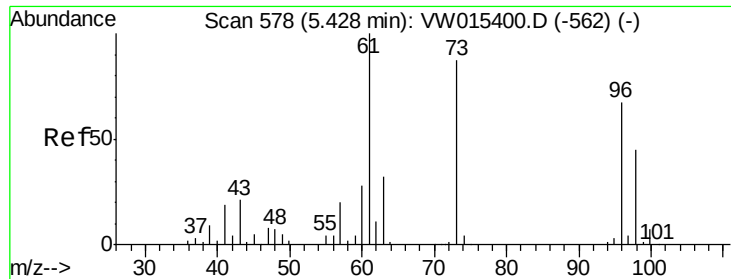
Tgt Ion: 43 Resp: 22005

Ion Ratio Lower Upper

43 100

74 23.9 18.7 28.1

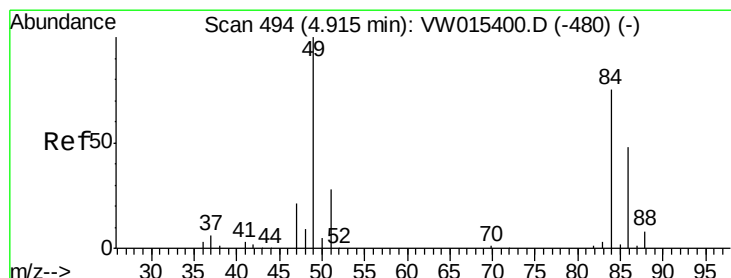
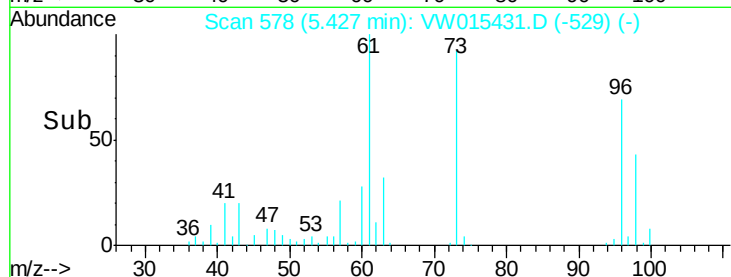
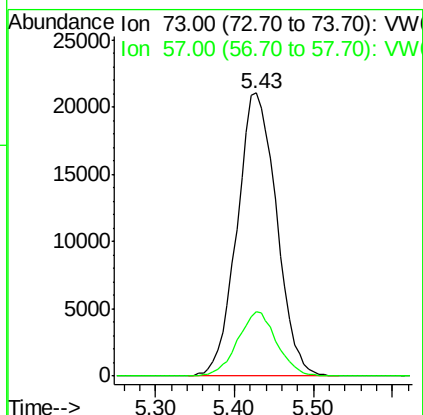
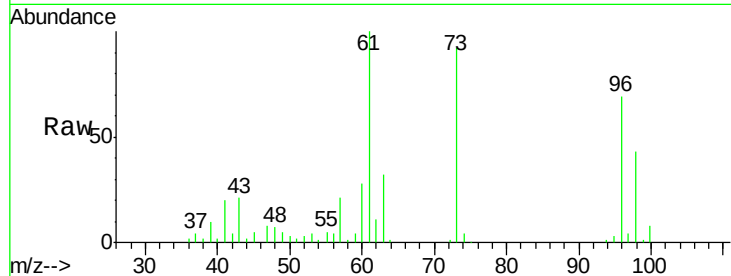




#19
Methyl tert-butyl Ether
Concen: 20.752 ug/l
RT: 5.43 min Scan# 578
Delta R.T. -0.00 min
Lab File: VW015431.D
Acq: 15 May 2020 13:58

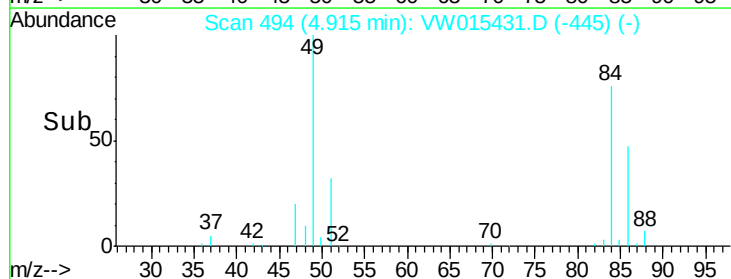
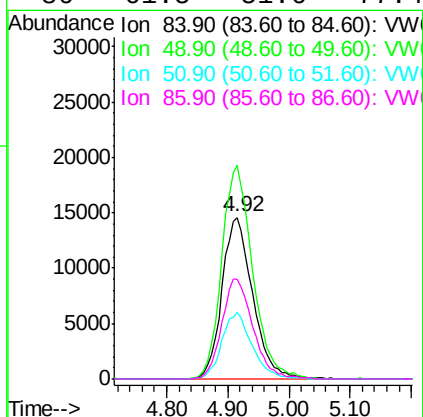
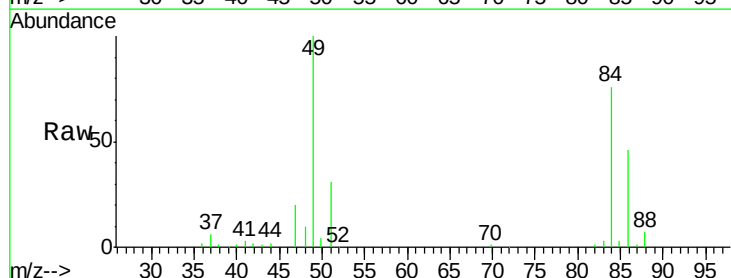
Instrument :
MSVOA_W
ClientSampleId :

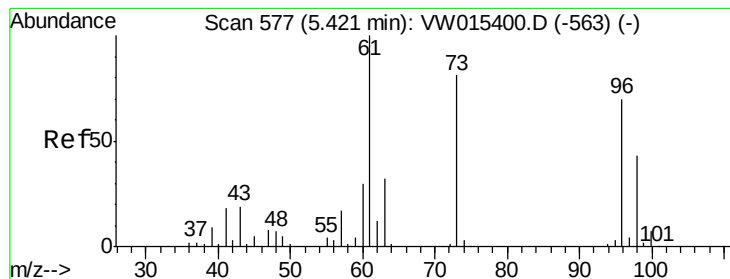
Tot Ion: 73 Resp: 73212
Ion Ratio Lower Upper
73 100
57 22.7 18.5 27.7



#20
Methylene Chloride
Concen: 20.013 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.00 min
Lab File: VW015431.D
Acq: 15 May 2020 13:58

Tgt Ion: 84 Resp: 50655
Ion Ratio Lower Upper
84 100
49 132.3 106.4 159.6
51 41.6 30.2 45.2
86 61.5 51.6 77.4





#21

trans-1,2-Dichloroethene

Concen: 19.743 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW015431.D

Acq: 15 May 2020 13:58

Instrument :

MSVOA_W

ClientSampled :

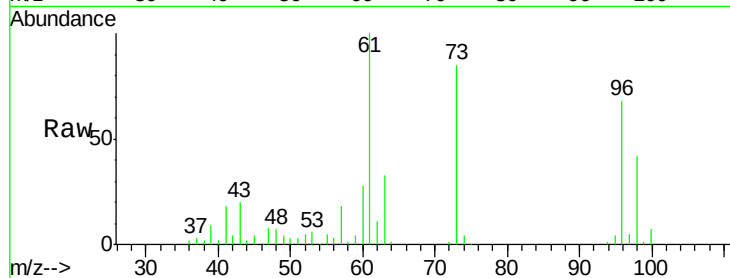
Tot Ion: 96 Resp: 49210

Ion Ratio Lower Upper

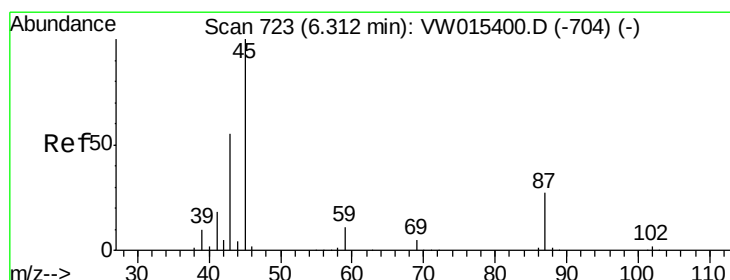
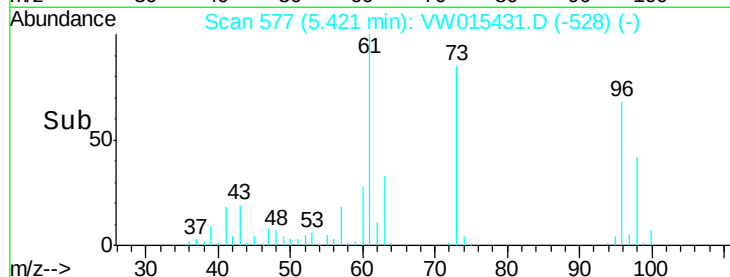
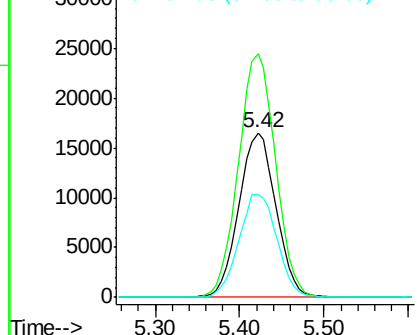
96 100

61 148.1 114.9 172.3

98 62.3 49.4 74.0



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: 19.829 ug/l

RT: 6.31 min Scan# 723

Delta R.T. -0.00 min

Lab File: VW015431.D

Acq: 15 May 2020 13:58

Tgt Ion: 45 Resp: 149069

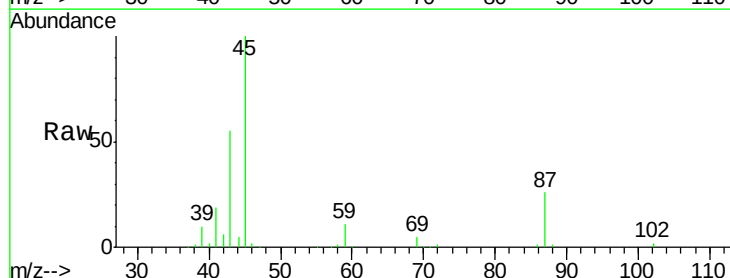
Ion Ratio Lower Upper

45 100

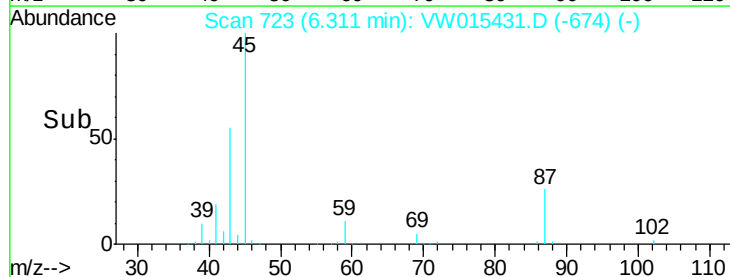
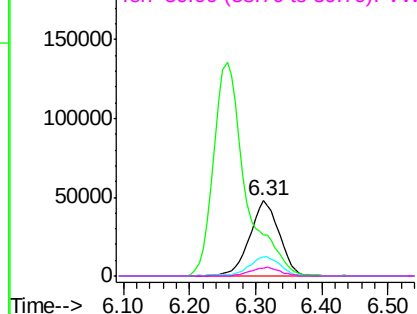
43 53.8 44.2 66.4

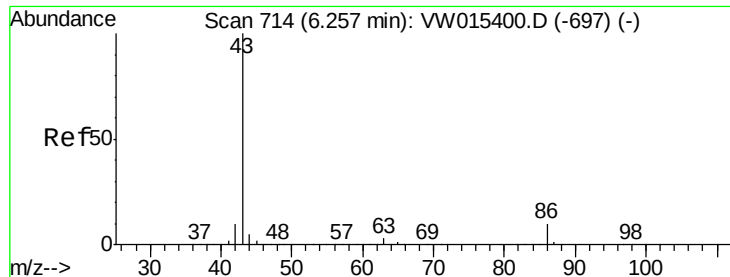
87 25.9 21.6 32.4

59 10.8 9.0 13.6



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: 99.488 ug/l

RT: 6.26 min Scan# 714

Delta R.T. -0.00 min

Lab File: VW015431.D

Acq: 15 May 2020 13:58

Instrument :

MSVOA_W

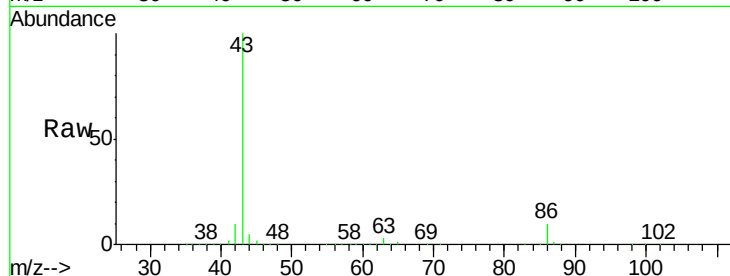
ClientSampled :

Tot Ion: 43 Resp: 454658

Ion Ratio Lower Upper

43 100

86 10.5 8.1 12.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW

6.26

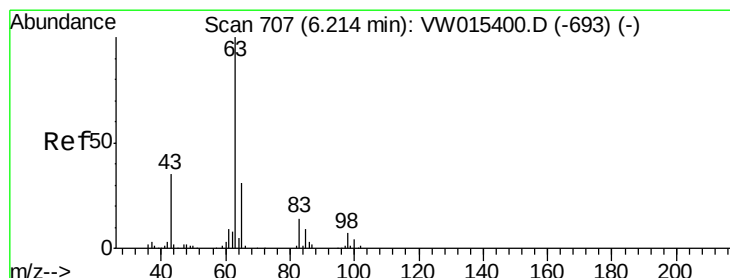
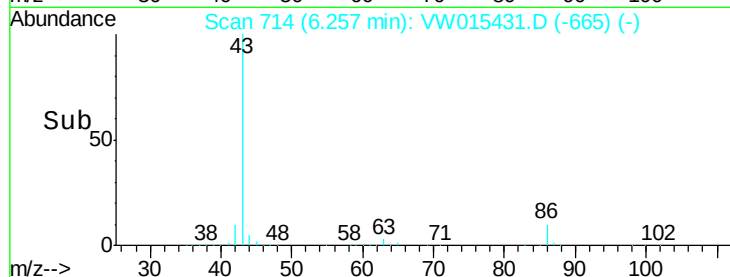
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 19.741 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW015431.D

Acq: 15 May 2020 13:58

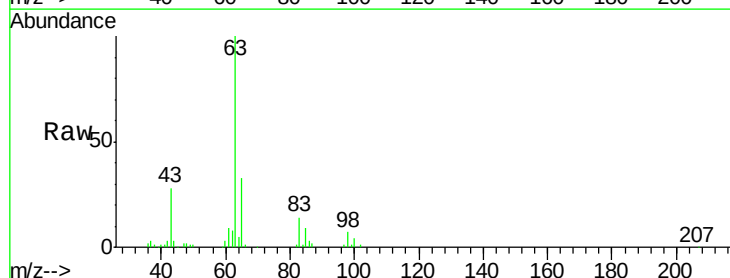
Tgt Ion: 63 Resp: 88973

Ion Ratio Lower Upper

63 100

98 6.9 3.5 10.4

100 4.3 2.1 6.5



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW

40000

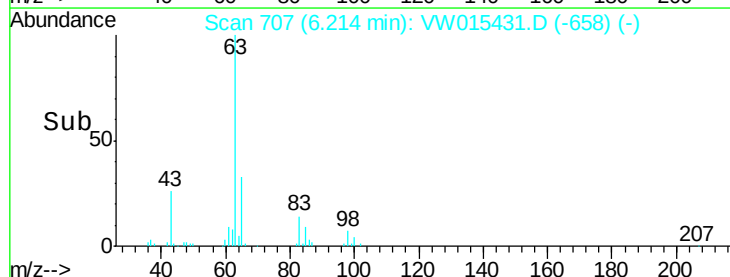
30000

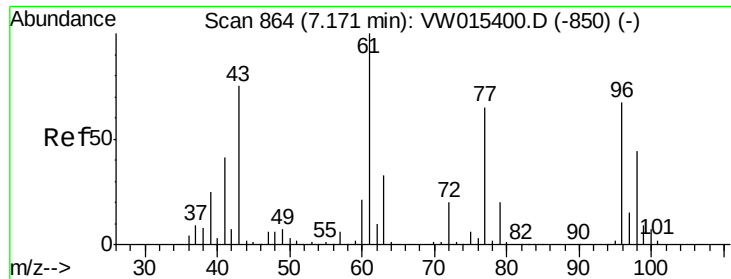
20000

10000

0

Time-->

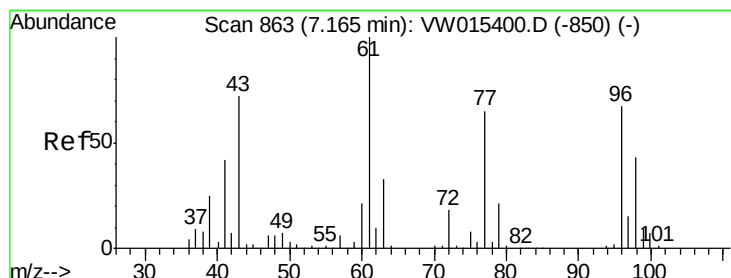
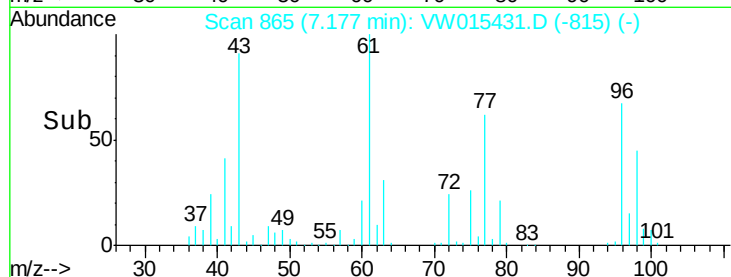
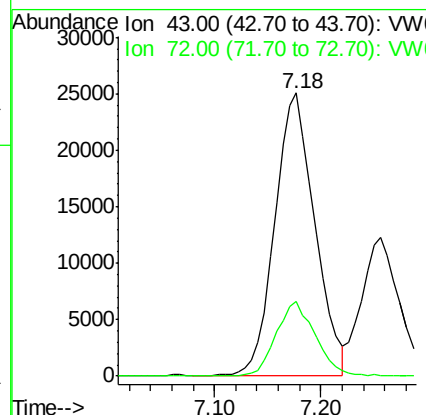
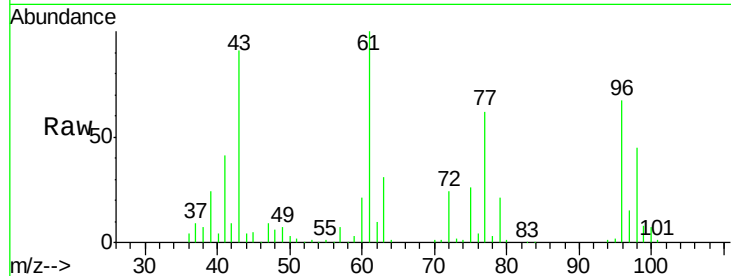




#25
2-Butanone
Concen: 108.104 ug/l
RT: 7.18 min Scan# 865
Delta R.T. 0.01 min
Lab File: VW015431.D
Acq: 15 May 2020 13:58

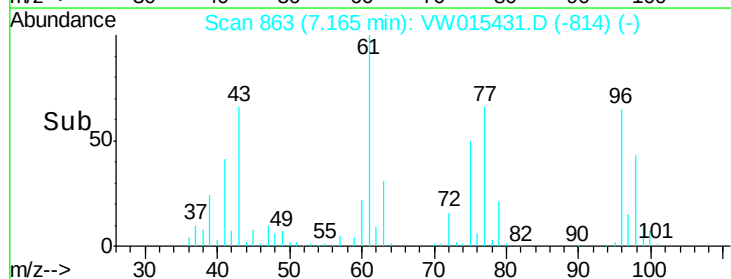
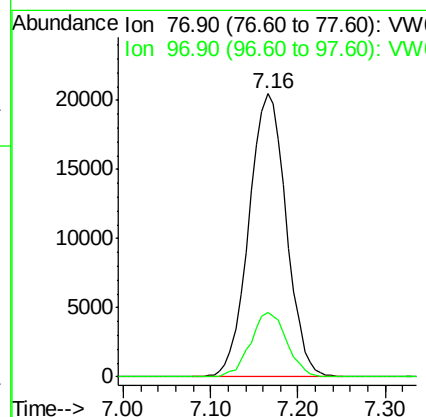
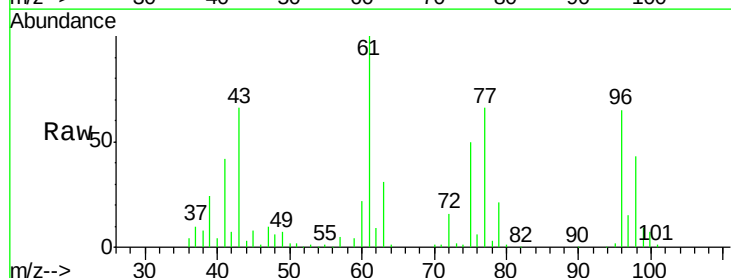
Instrument :
MSVOA_W
ClientSampled :

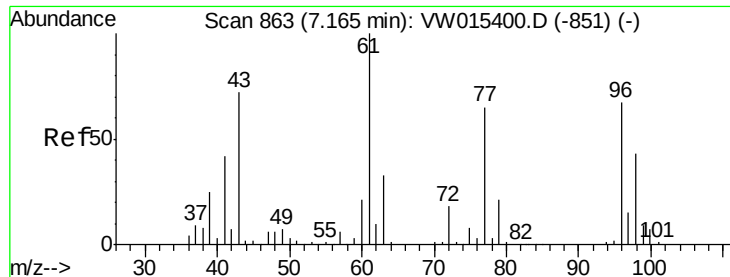
Tot Ion: 43 Resp: 65368
Ion Ratio Lower Upper
43 100
72 26.5 21.4 32.0



#26
2,2-Dichloropropane
Concen: 20.307 ug/l
RT: 7.16 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW015431.D
Acq: 15 May 2020 13:58

Tgt Ion: 77 Resp: 60660
Ion Ratio Lower Upper
77 100
97 22.1 11.1 33.1



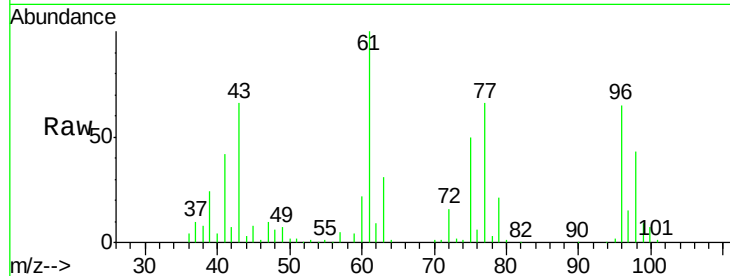


#27

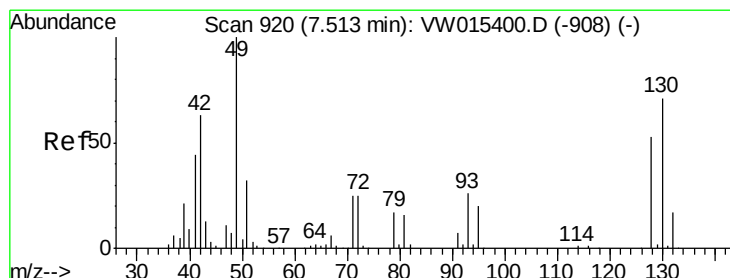
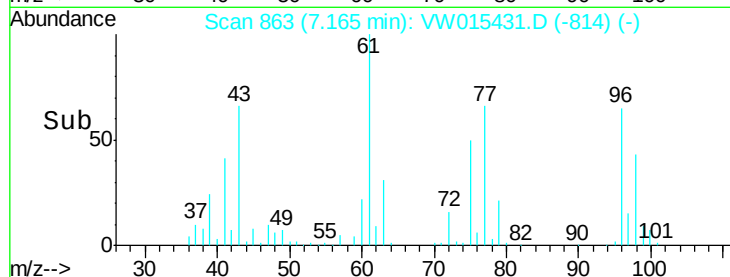
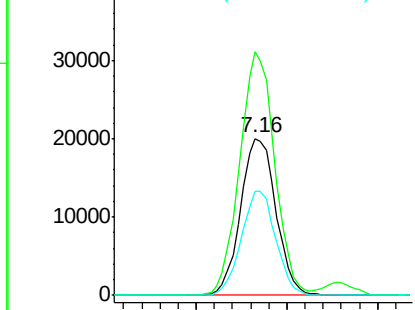
cis-1,2-Dichloroethene
 Concen: 19.989 ug/l
 RT: 7.16 min Scan# 863
 Delta R.T. -0.00 min
 Lab File: VW015431.D
 Acq: 15 May 2020 13:58

Instrument :
 MSVOA_W
 ClientSampled :

Tot Ion: 96 Resp: 54101
 Ion Ratio Lower Upper
 96 100
 61 153.8 0.0 304.6
 98 64.5 0.0 129.2



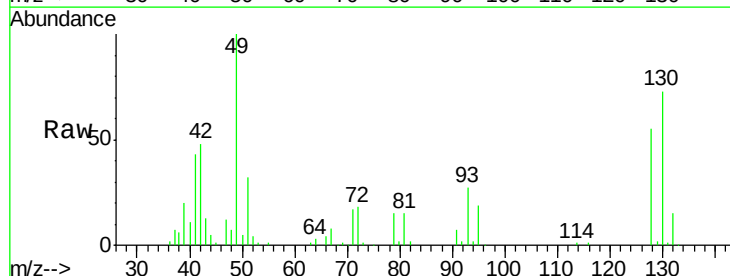
Abundance Ion 95.90 (95.60 to 96.60): VW
 Ion 60.90 (60.60 to 61.60): VW
 Ion 97.90 (97.60 to 98.60): VW



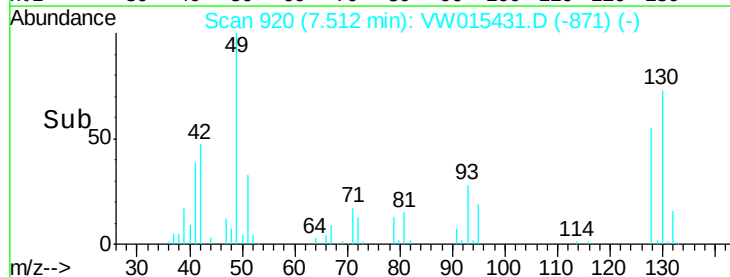
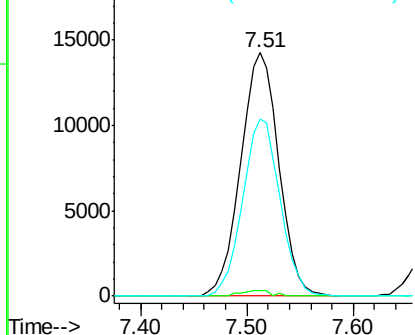
#28

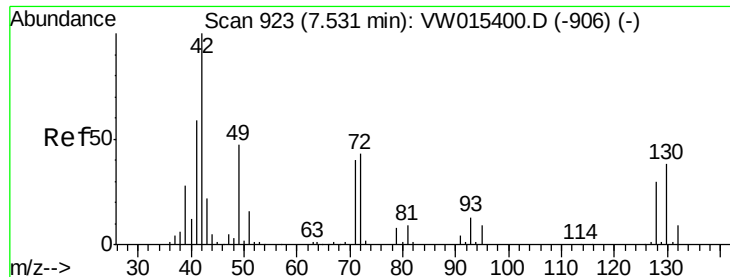
Bromochloromethane
 Concen: 19.772 ug/l
 RT: 7.51 min Scan# 920
 Delta R.T. -0.00 min
 Lab File: VW015431.D
 Acq: 15 May 2020 13:58

Tgt Ion: 49 Resp: 35831
 Ion Ratio Lower Upper
 49 100
 129 1.7 0.0 3.0
 130 71.2 57.0 85.4



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

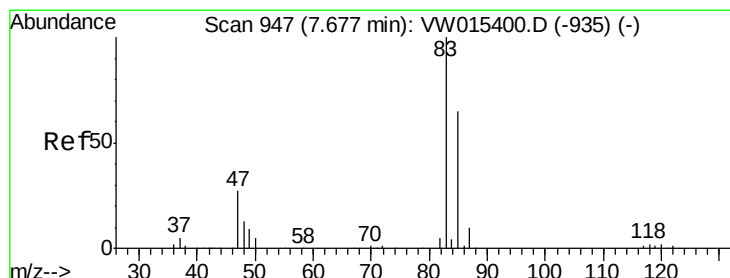
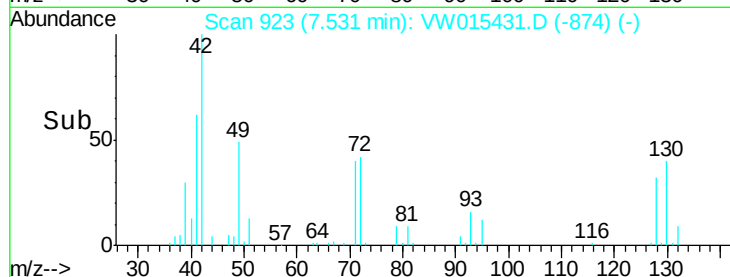
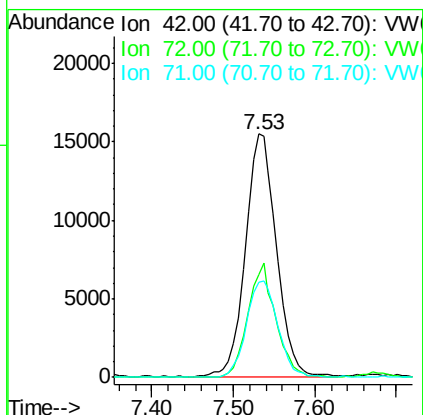
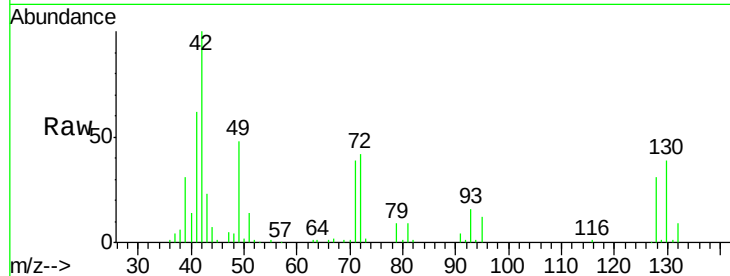




#29
Tetrahydrofuran
Concen: 103.929 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW015431.D
Acq: 15 May 2020 13:58

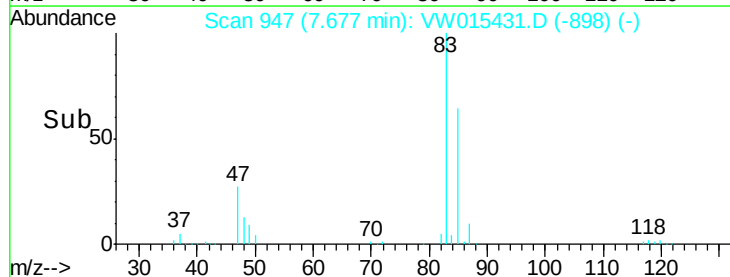
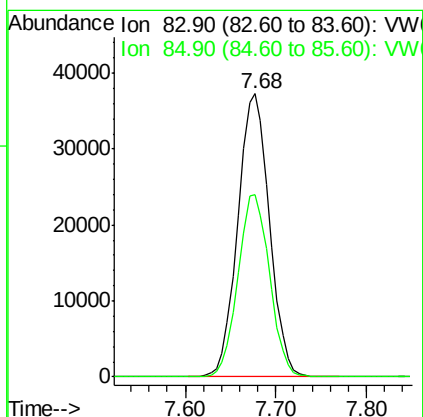
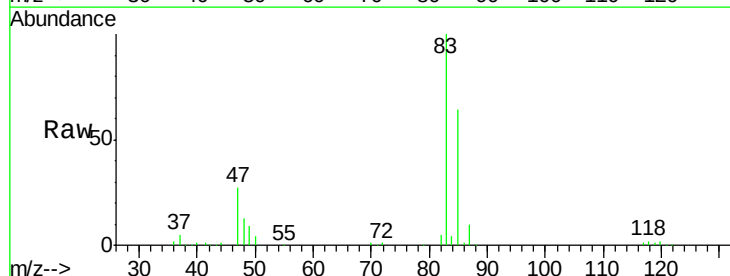
Instrument :
MSVOA_W
ClientSampled :

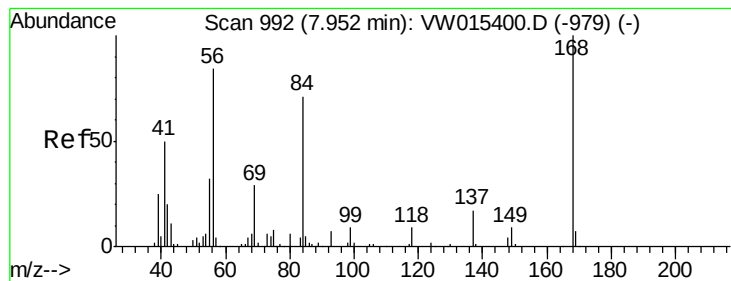
Tot Ion: 42 Resp: 41358
Ion Ratio Lower Upper
42 100
72 42.0 33.6 50.4
71 39.6 32.1 48.1



#30
Chloroform
Concen: 20.121 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW015431.D
Acq: 15 May 2020 13:58

Tgt Ion: 83 Resp: 90104
Ion Ratio Lower Upper
83 100
85 64.3 51.8 77.6





#31

Cyclohexane

Concen: 19.535 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW015431.D

Acq: 15 May 2020 13:58

Instrument :
MSVOA_W
ClientSampled :

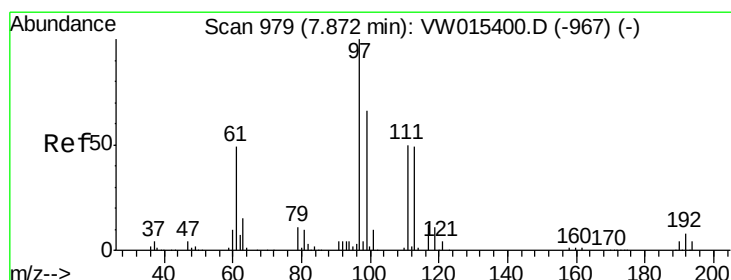
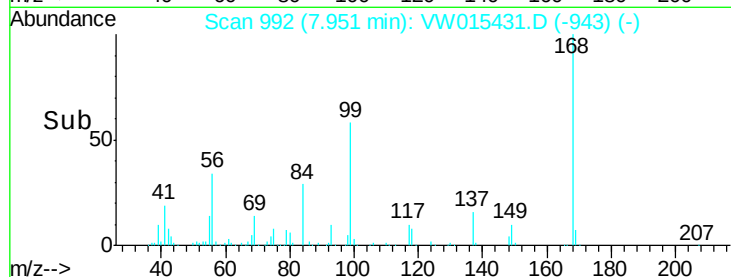
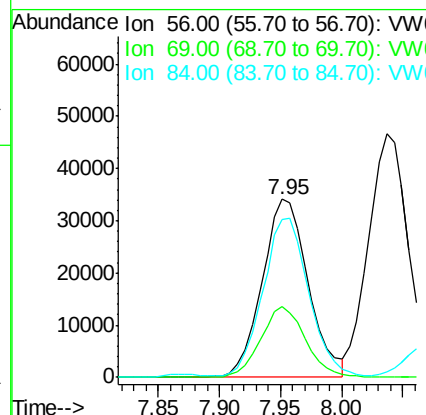
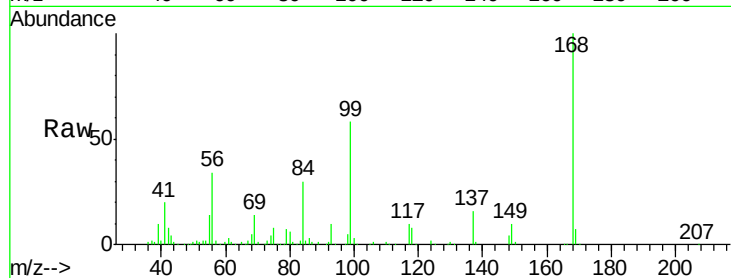
Tot Ion: 56 Resp: 89396

Ion Ratio Lower Upper

56 100

69 40.1 27.2 40.8

84 86.9 67.7 101.5



#32

1,1,1-Trichloroethane

Concen: 20.452 ug/l

RT: 7.87 min Scan# 979

Delta R.T. -0.00 min

Lab File: VW015431.D

Acq: 15 May 2020 13:58

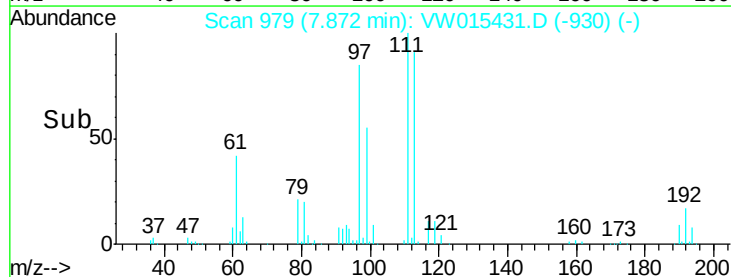
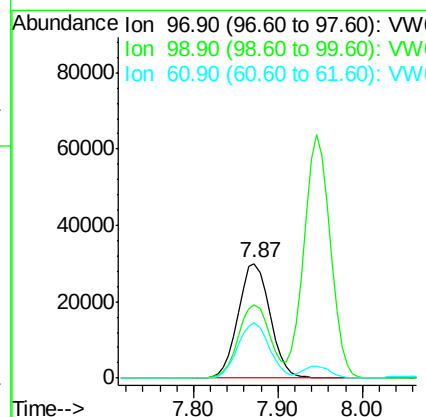
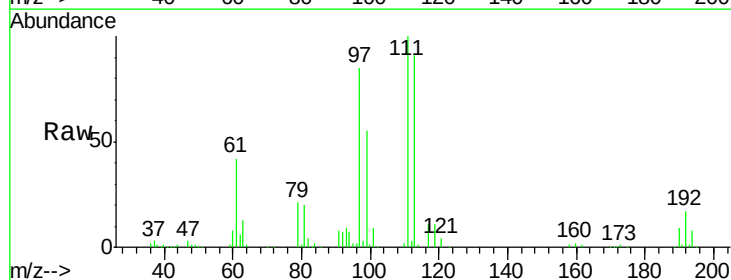
Tgt Ion: 97 Resp: 76972

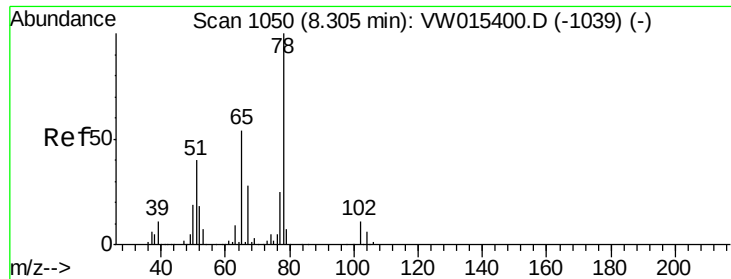
Ion Ratio Lower Upper

97 100

99 64.7 50.7 76.1

61 47.9 38.0 57.0

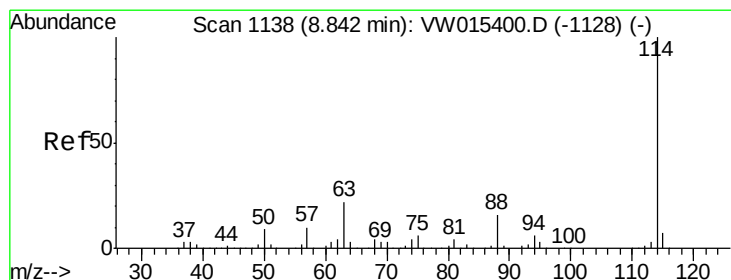
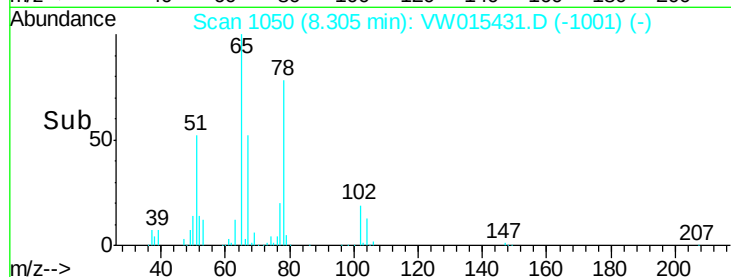
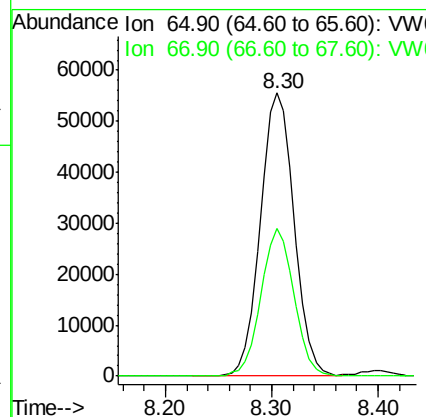
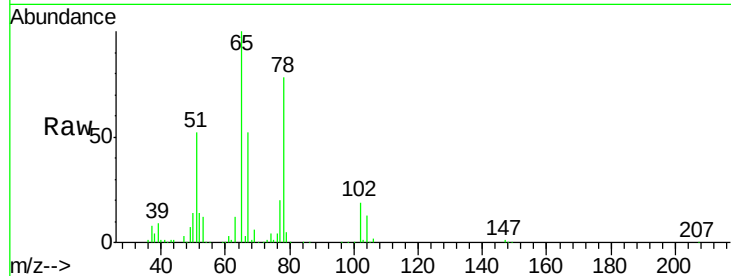




#33
 1,2-Dichloroethane-d4
 Concen: 49.389 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW015431.D
 Acq: 15 May 2020 13:58

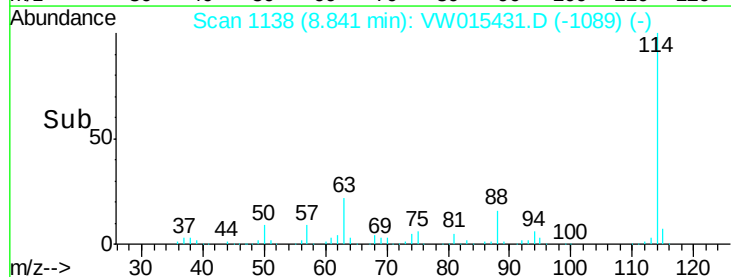
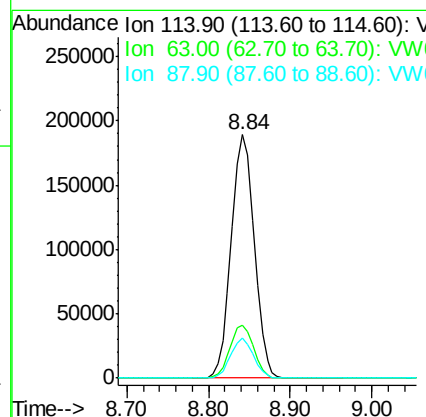
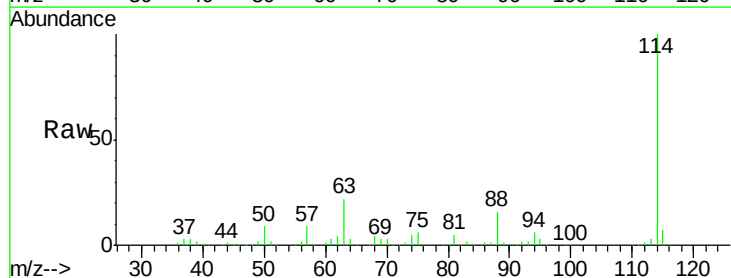
Instrument :
 MSVOA_W
 ClientSampleId :

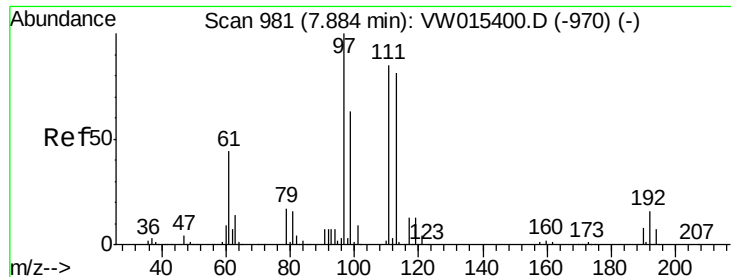
Tot Ion: 65 Resp: 123335
 Ion Ratio Lower Upper
 65 100
 67 51.1 0.0 102.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW015431.D
 Acq: 15 May 2020 13:58

Tgt Ion: 114 Resp: 368618
 Ion Ratio Lower Upper
 114 100
 63 21.7 0.0 43.4
 88 16.3 0.0 31.8

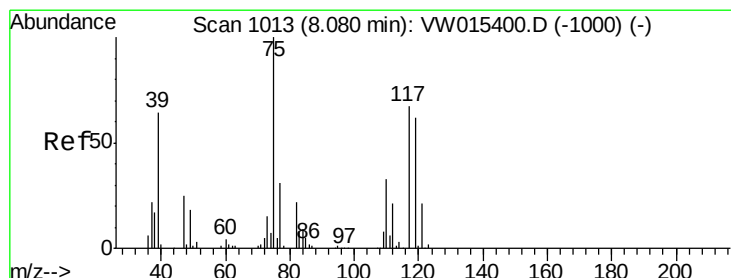
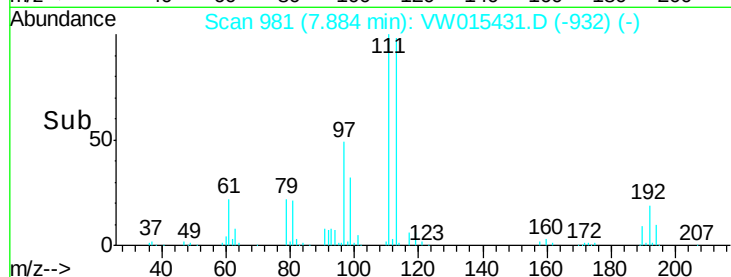
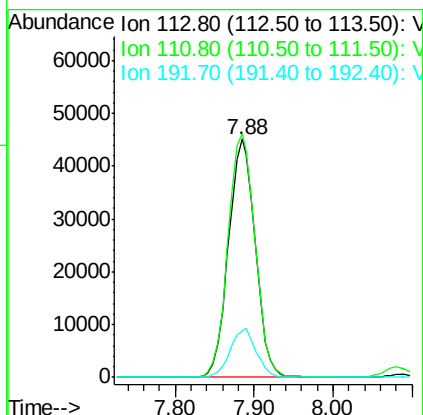
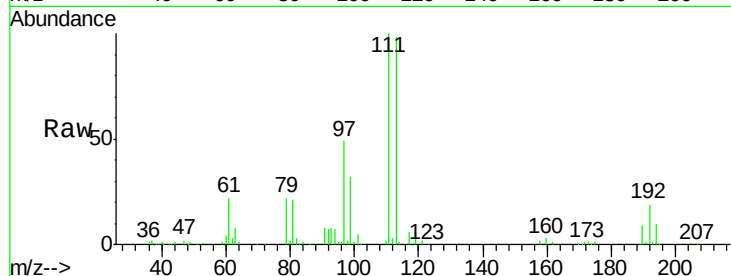




#35
 Dibromofluoromethane
 Concen: 50.320 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW015431.D
 Acq: 15 May 2020 13:58

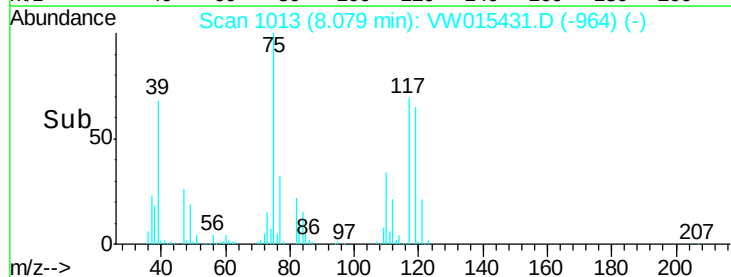
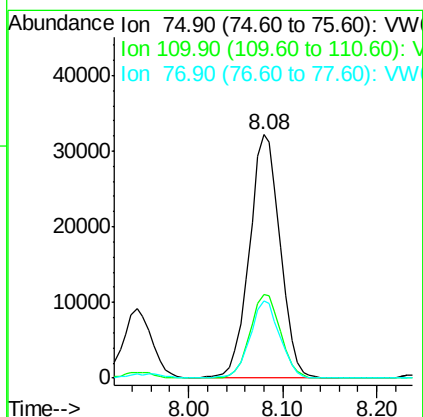
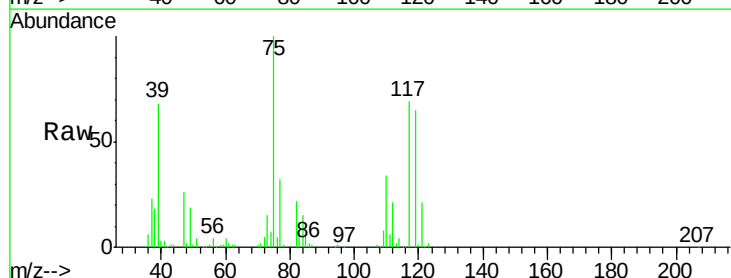
Instrument :
 MSVOA_W
 ClientSampleId :

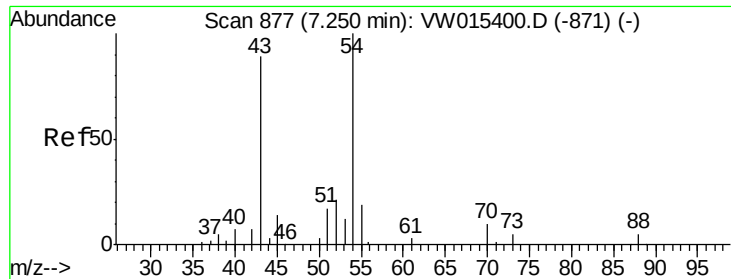
Tot Ion:113 Resp: 106463
 Ion Ratio Lower Upper
 113 100
 111 103.5 82.9 124.3
 192 20.0 15.4 23.0



#36
 1,1-Dichloropropene
 Concen: 20.393 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW015431.D
 Acq: 15 May 2020 13:58

Tgt Ion: 75 Resp: 73856
 Ion Ratio Lower Upper
 75 100
 110 34.1 16.6 49.8
 77 31.2 24.5 36.7

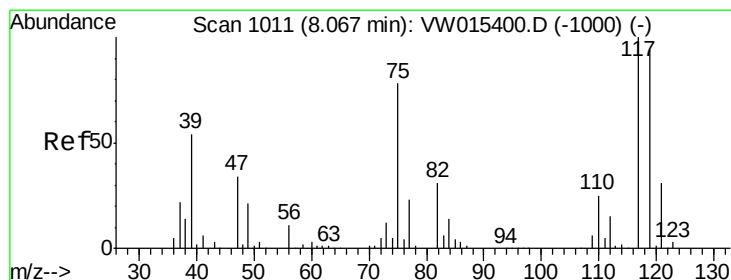
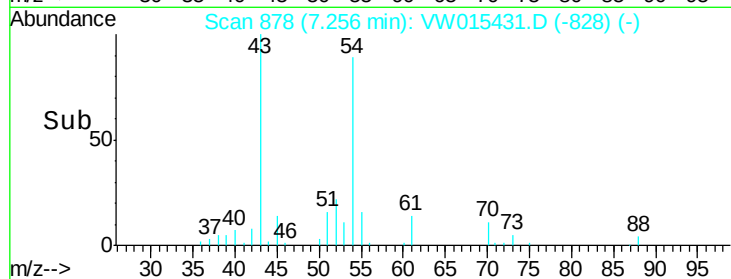
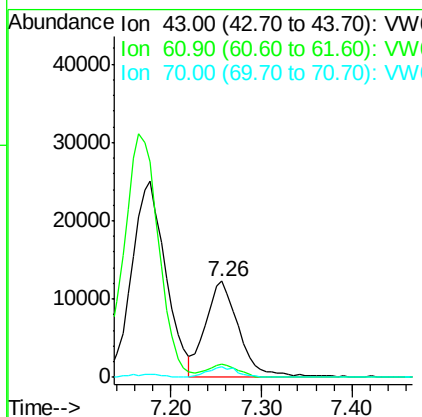
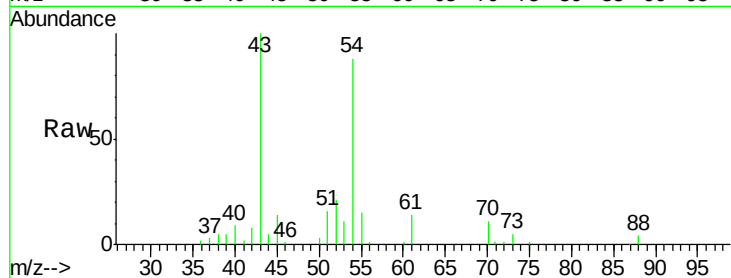




#37
Ethyl Acetate
Concen: 22.015 ug/l
RT: 7.26 min Scan# 878
Delta R.T. 0.01 min
Lab File: VW015431.D
Acq: 15 May 2020 13:58

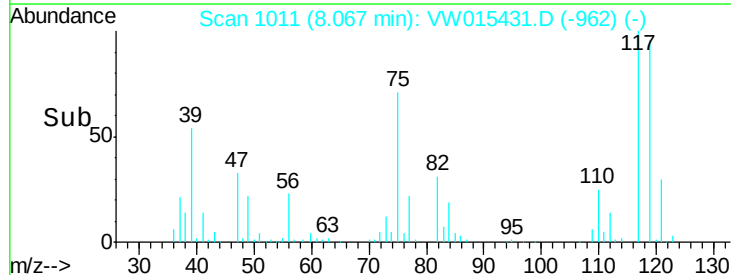
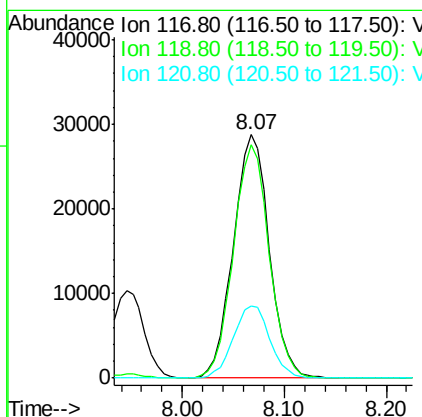
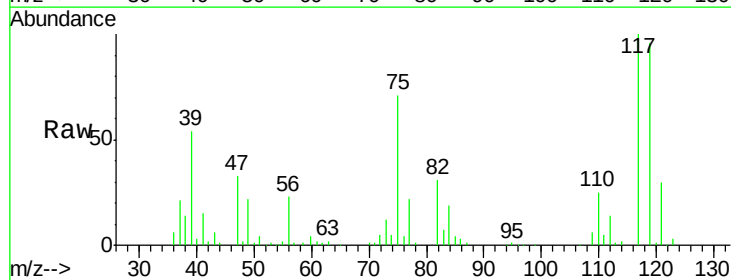
Instrument :
MSVOA_W
ClientSampled :

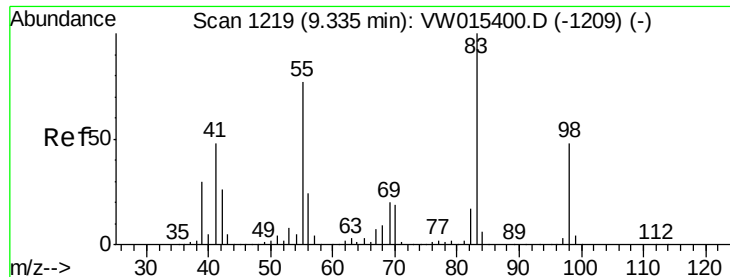
Tot Ion: 43 Resp: 30937
Ion Ratio Lower Upper
43 100
61 13.0 10.2 15.2
70 10.3 8.0 12.0



#38
Carbon Tetrachloride
Concen: 20.783 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW015431.D
Acq: 15 May 2020 13:58

Tgt Ion: 117 Resp: 70367
Ion Ratio Lower Upper
117 100
119 95.9 75.4 113.0
121 29.7 24.8 37.2

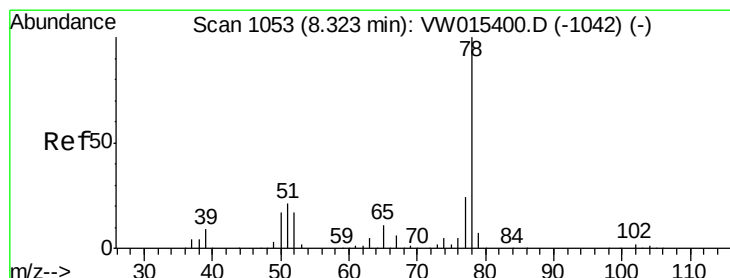
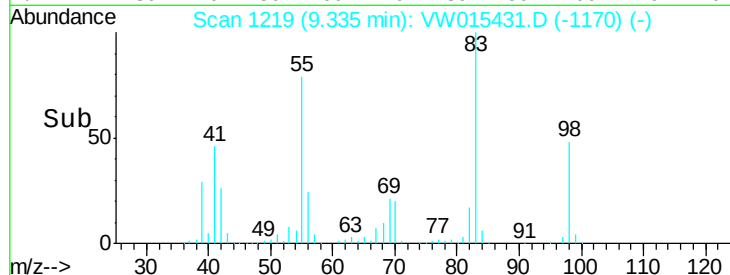
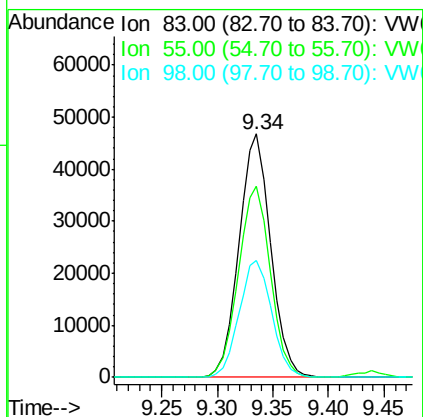
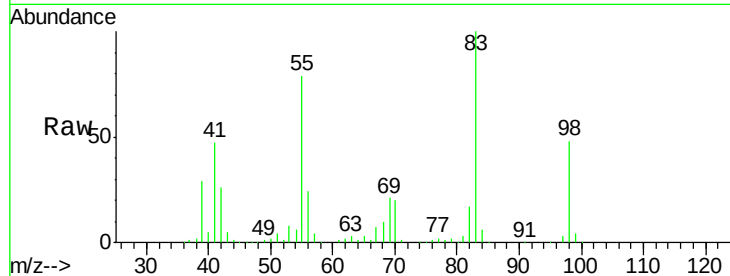




#39
Methylvlcyclohexane
Concen: 20.151 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW015431.D
Acq: 15 May 2020 13:58

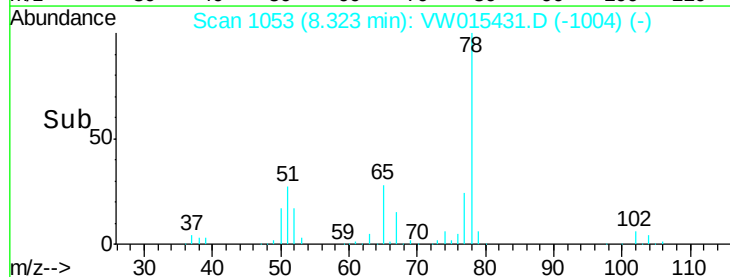
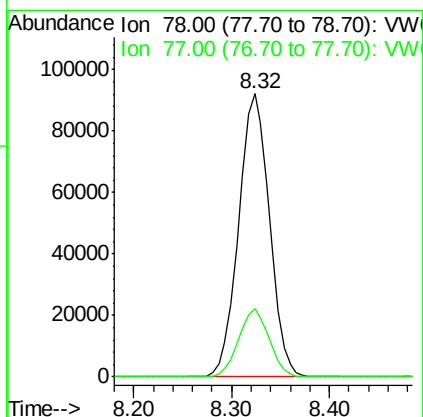
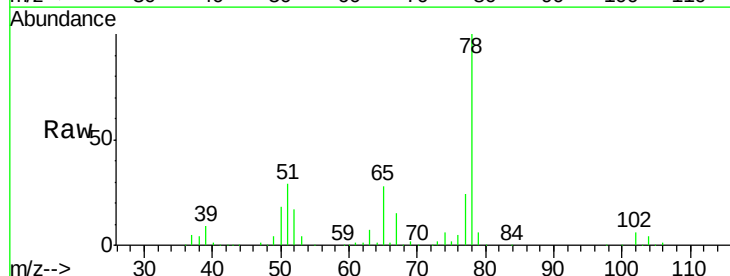
Instrument :
MSVOA_W
ClientSampleId :

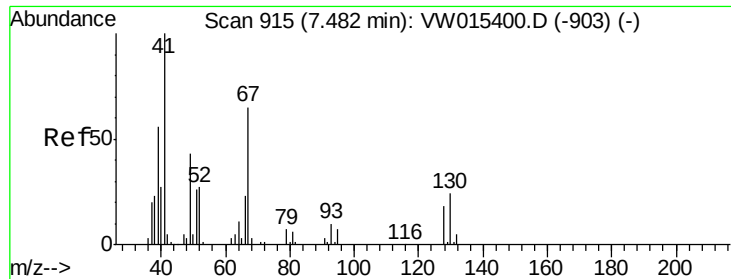
Tot Ion: 83 Resp: 92381
Ion Ratio Lower Upper
83 100
55 78.7 61.9 92.9
98 48.1 38.2 57.2



#40
Benzene
Concen: 20.344 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW015431.D
Acq: 15 May 2020 13:58

Tgt Ion: 78 Resp: 200948
Ion Ratio Lower Upper
78 100
77 24.3 19.0 28.4

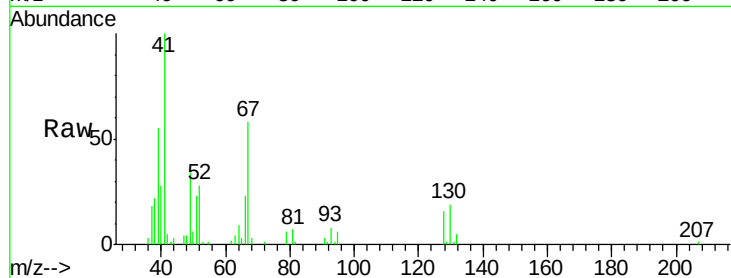




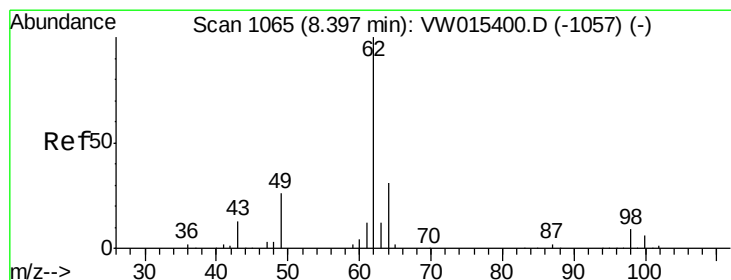
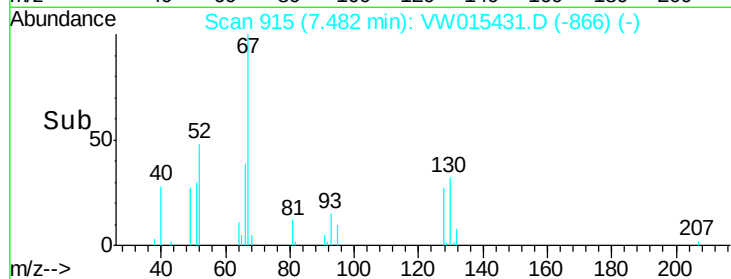
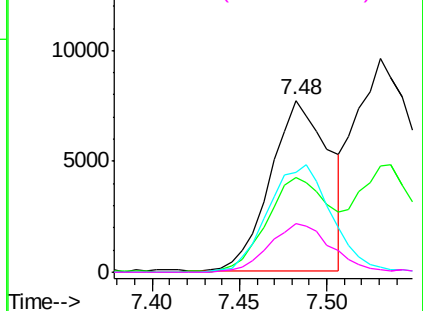
#41
Methacrylonitrile
Concen: 20.335 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW015431.D
Acq: 15 May 2020 13:58

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:	41	Resp:	18055
Ion	Ratio	Lower	Upper
41	100		
39	58.7	46.2	69.4
67	68.4	56.2	84.2
52	30.5	25.0	37.6

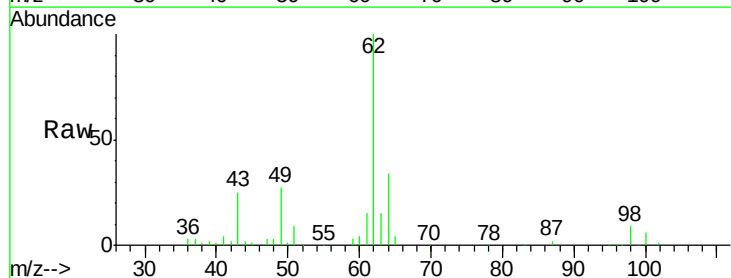


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

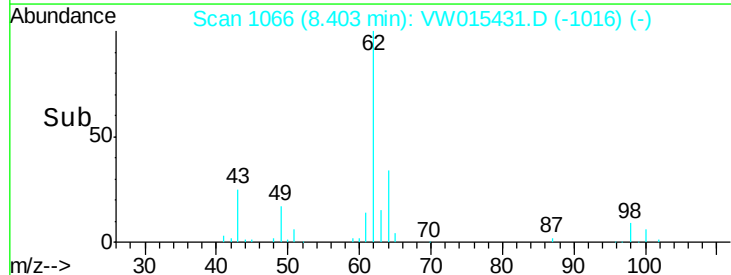
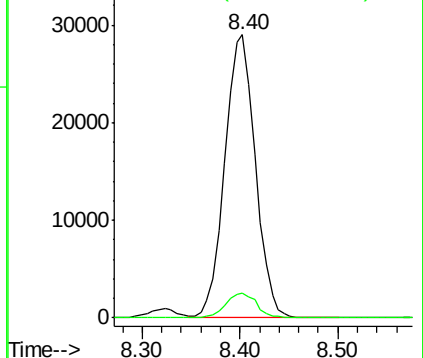


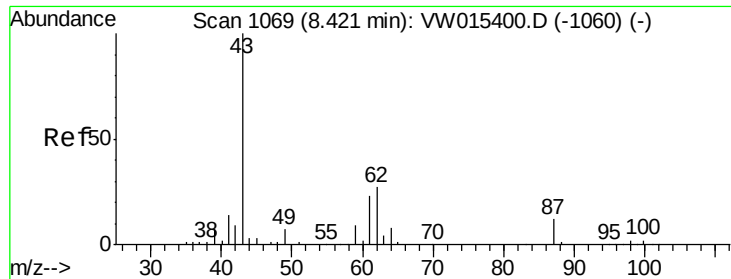
#42
1,2-Dichloroethane
Concen: 20.897 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.01 min
Lab File: VW015431.D
Acq: 15 May 2020 13:58

Tgt Ion:	62	Resp:	62869
Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	17.6



Abundance Ion 61.90 (61.60 to 62.60): VW
Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 21.269 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.01 min

Lab File: VW015431.D

Acq: 15 May 2020 13:58

Instrument :

MSVOA_W

ClientSampleId :

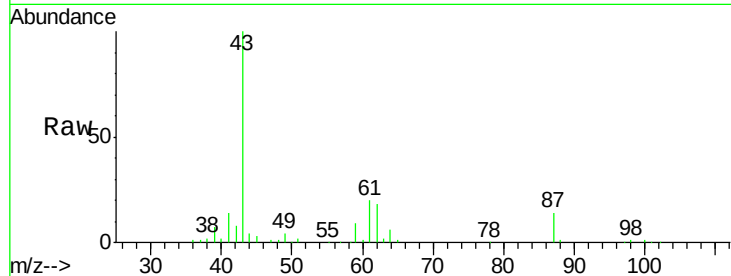
Tot Ion: 43 Resp: 62857

Ion Ratio Lower Upper

43 100

61 29.3 24.3 36.5

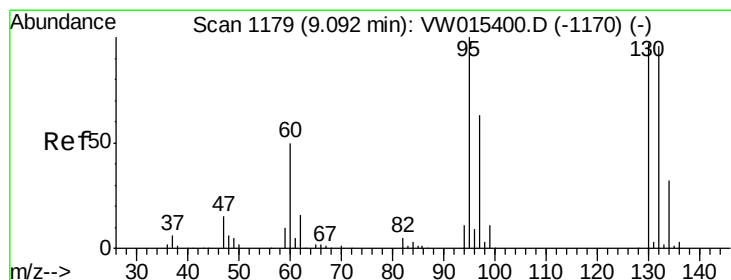
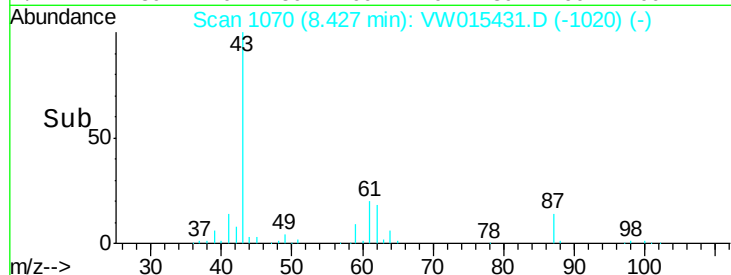
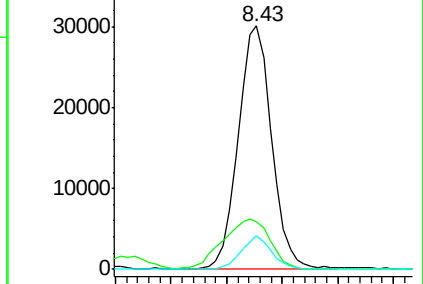
87 12.4 10.1 15.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 87.00 (86.70 to 87.70): VW



#44

Trichloroethene

Concen: 20.722 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW015431.D

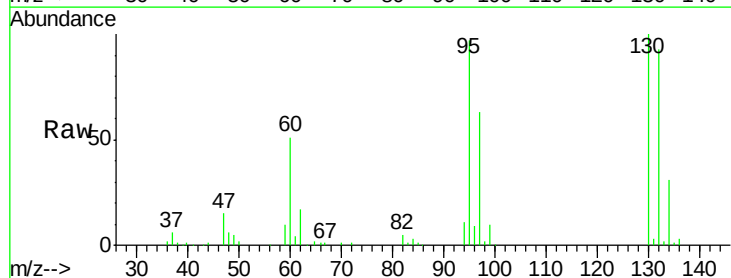
Acq: 15 May 2020 13:58

Tgt Ion: 130 Resp: 53049

Ion Ratio Lower Upper

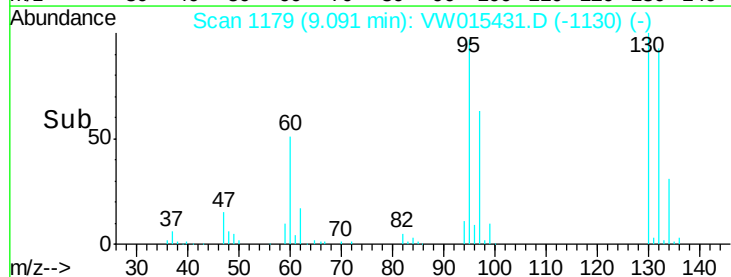
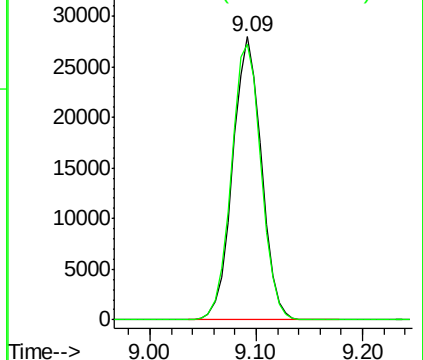
130 100

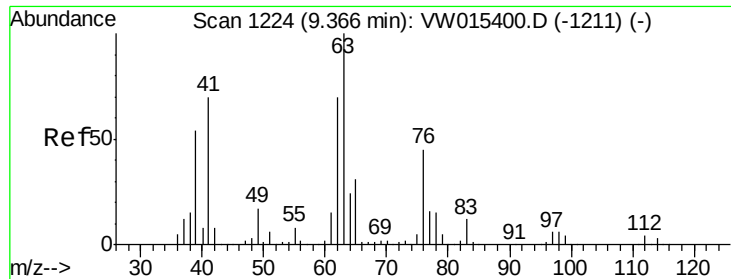
95 97.3 0.0 205.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW





#45

1,2-Dichloropropane

Concen: 20.640 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW015431.D

Acq: 15 May 2020 13:58

Instrument :

MSVOA_W

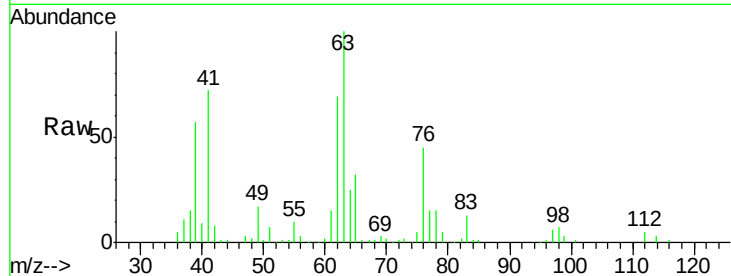
ClientSampled :

Tot Ion: 63 Resp: 50362

Ion Ratio Lower Upper

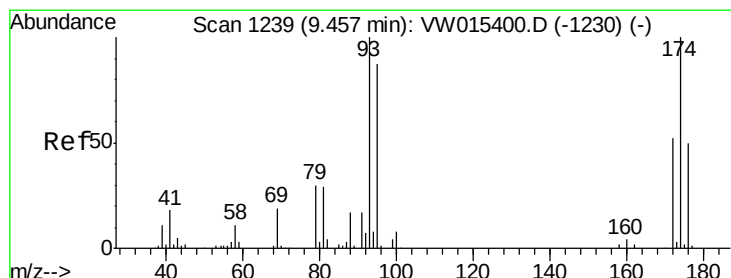
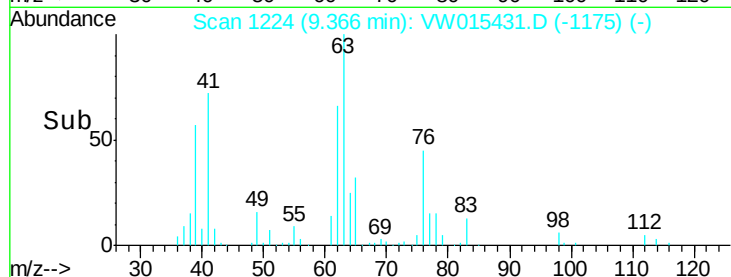
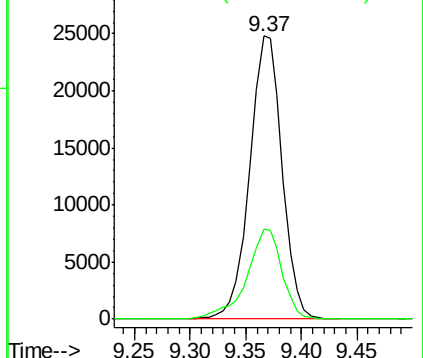
63 100

65 32.0 25.0 37.6



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 64.90 (64.60 to 65.60): VW



#46

Dibromomethane

Concen: 20.960 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW015431.D

Acq: 15 May 2020 13:58

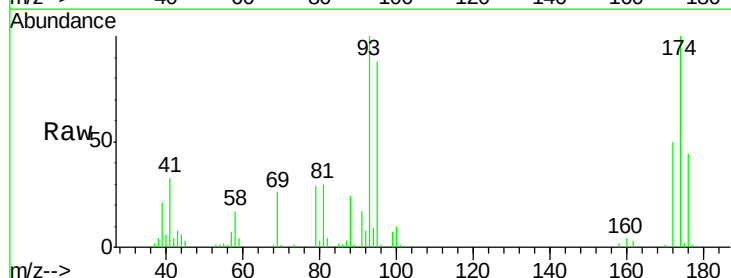
Tgt Ion: 93 Resp: 25437

Ion Ratio Lower Upper

93 100

95 82.3 67.0 100.4

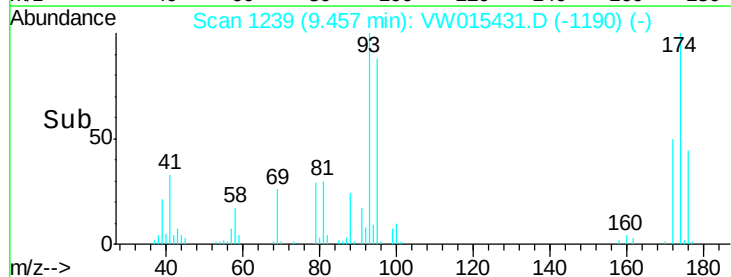
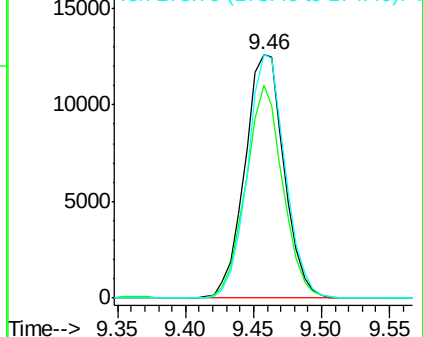
174 95.9 78.4 117.6

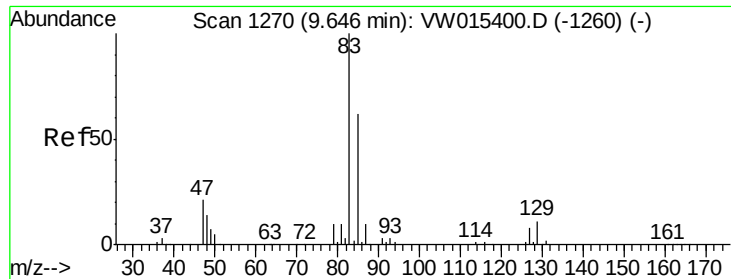


Abundance Ion 92.80 (92.50 to 93.50): VW

Ion 94.80 (94.50 to 95.50): VW

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 20.467 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VW015431.D

Acq: 15 May 2020 13:58

Instrument :

MSVOA_W

ClientSampleId :

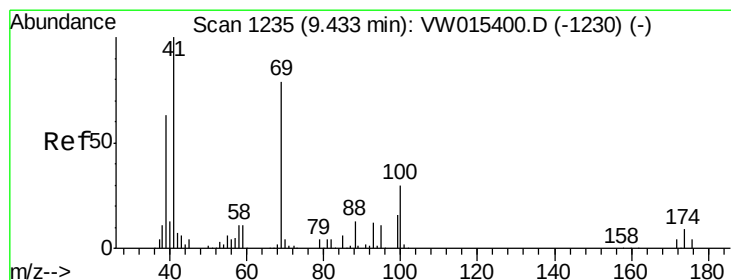
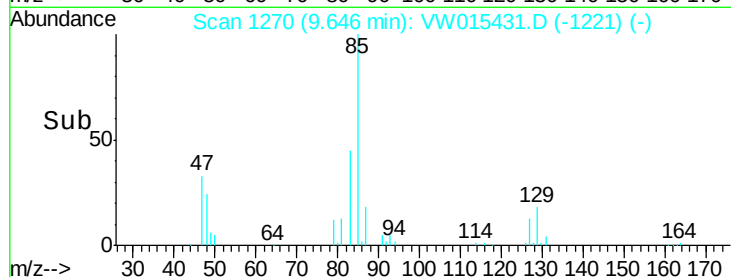
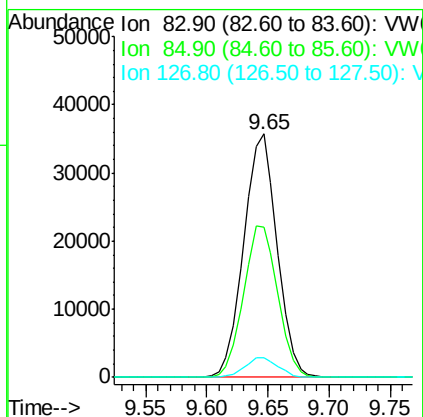
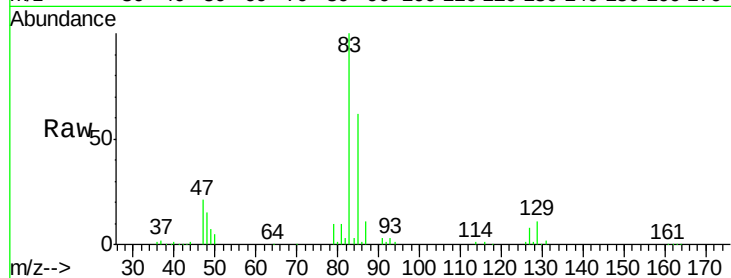
Tot Ion: 83 Resp: 67695

Ion Ratio Lower Upper

83 100

85 61.5 49.4 74.0

127 7.9 6.4 9.6



#48

Methyl methacrylate

Concen: 20.922 ug/l

RT: 9.44 min Scan# 1236

Delta R.T. 0.01 min

Lab File: VW015431.D

Acq: 15 May 2020 13:58

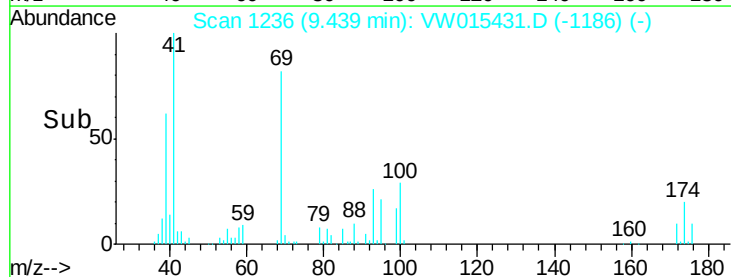
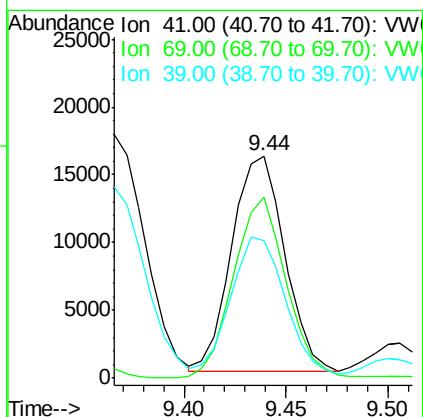
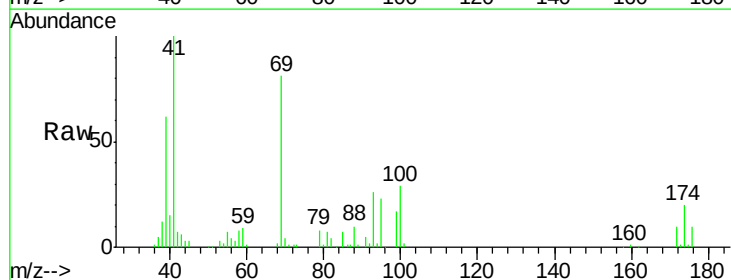
Tgt Ion: 41 Resp: 28562

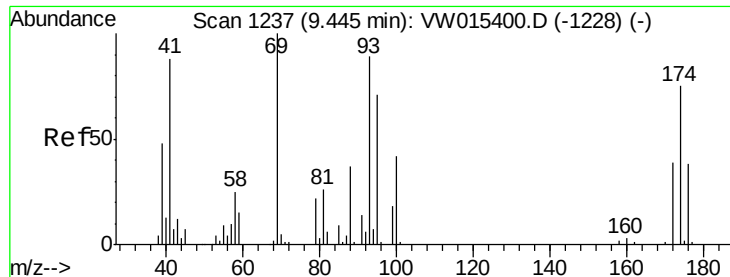
Ion Ratio Lower Upper

41 100

69 84.7 66.2 99.4

39 68.8 51.1 76.7





#49

1,4-Dioxane

Concen: 439.609 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.01 min

Lab File: VW015431.D

Acq: 15 May 2020 13:58

Instrument :

MSVOA_W

ClientSampleId :

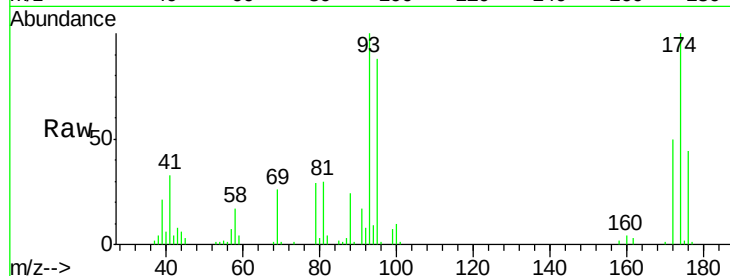
Tot Ion: 88 Resp: 6714

Ion Ratio Lower Upper

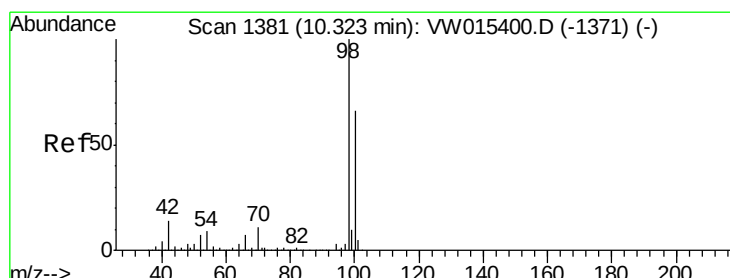
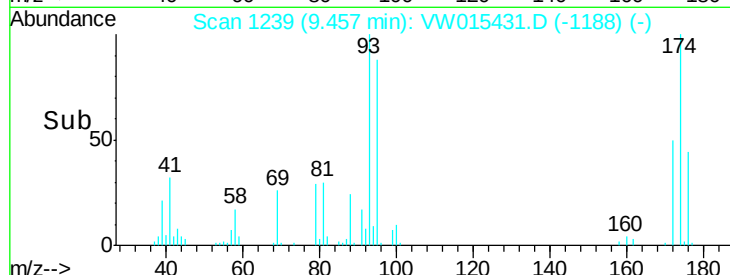
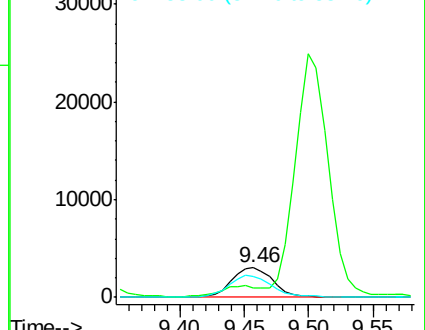
88 100

43 37.9 30.6 45.8

58 79.0 56.3 84.5



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: 49.708 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW015431.D

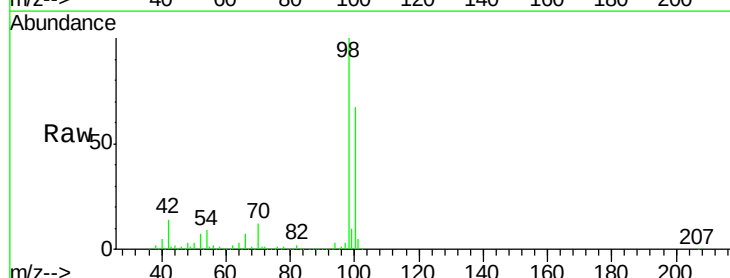
Acq: 15 May 2020 13:58

Tgt Ion: 98 Resp: 435225

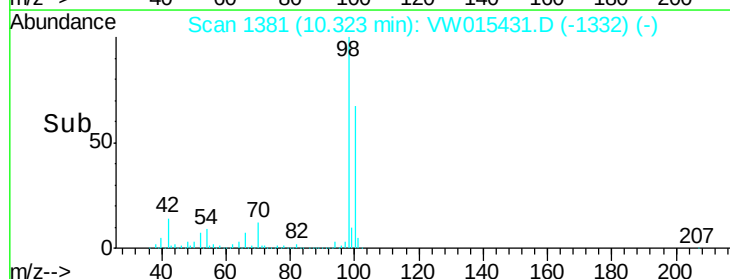
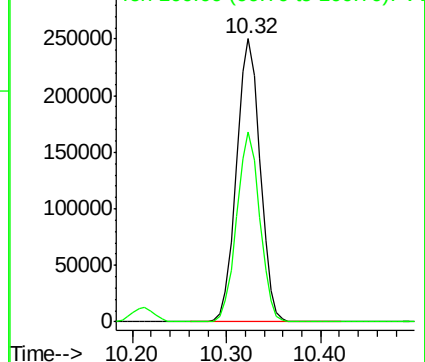
Ion Ratio Lower Upper

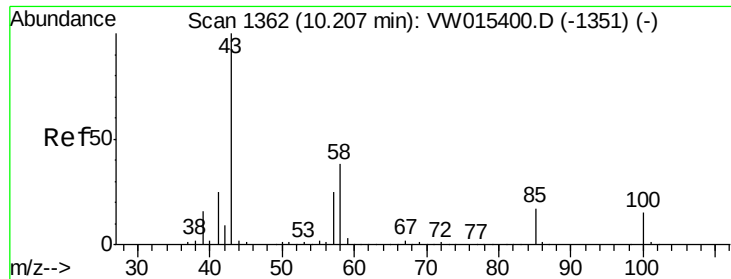
98 100

100 65.6 52.7 79.1



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

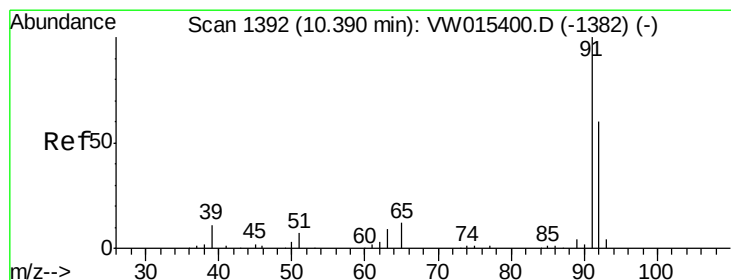
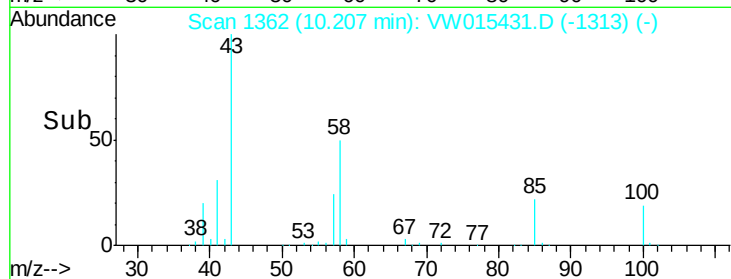
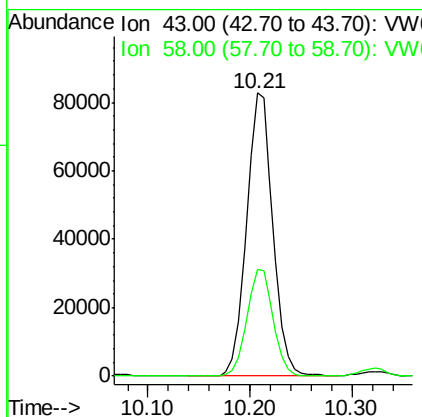
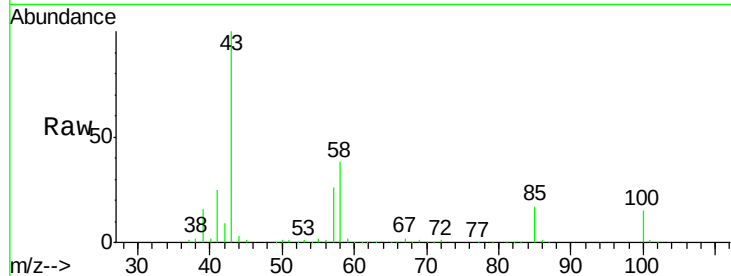




#51
4-Methyl-2-Pentanone
Concen: 106.699 ug/l
RT: 10.21 min Scan# 1362
Delta R.T. -0.00 min
Lab File: VW015431.D
Acq: 15 May 2020 13:58

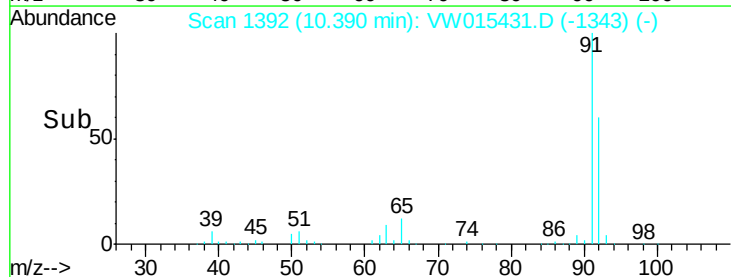
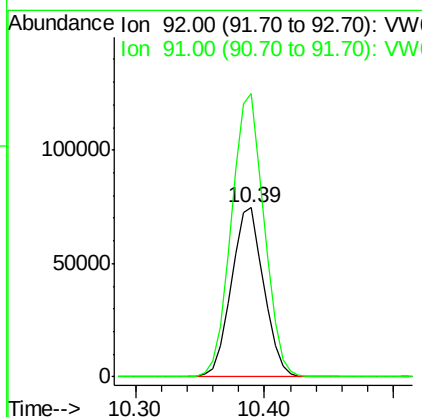
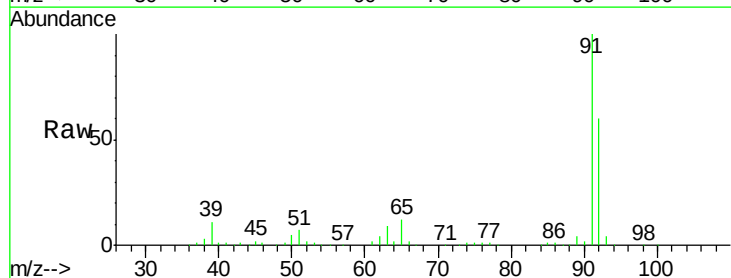
Instrument :
MSVOA_W
ClientSampled :

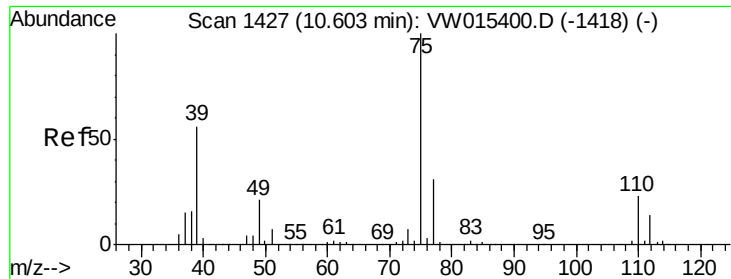
Tot Ion: 43 Resp: 147782
Ion Ratio Lower Upper
43 100
58 37.9 30.8 46.2



#52
Toluene
Concen: 20.327 ug/l
RT: 10.39 min Scan# 1392
Delta R.T. -0.00 min
Lab File: VW015431.D
Acq: 15 May 2020 13:58

Tgt Ion: 92 Resp: 130473
Ion Ratio Lower Upper
92 100
91 168.8 135.9 203.9





#53

t-1,3-Dichloropropene

Concen: 20.425 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW015431.D

Acq: 15 May 2020 13:58

Instrument :

MSVOA_W

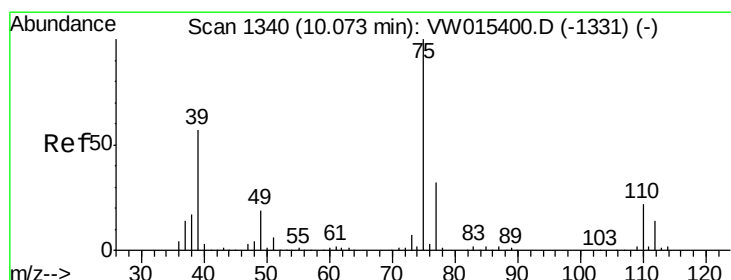
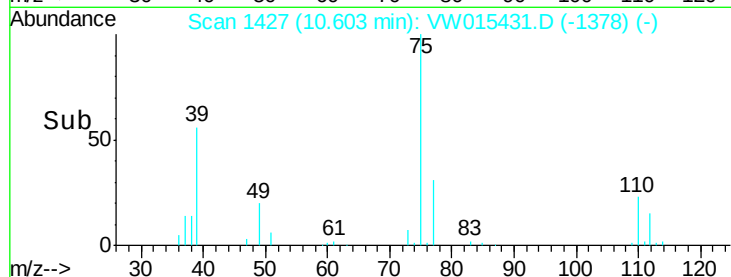
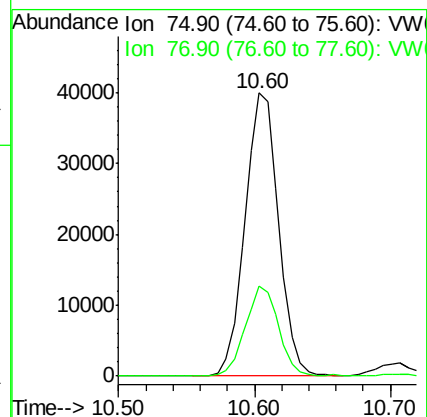
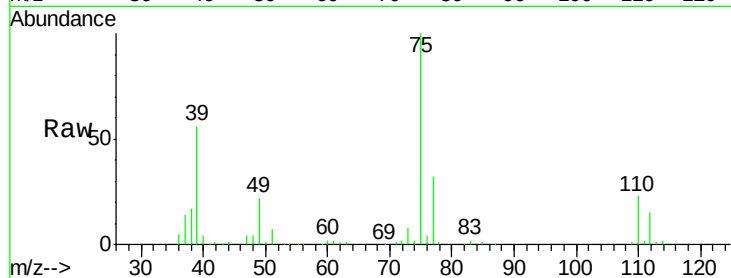
ClientSampleId :

Tot Ion: 75 Resp: 68954

Ion Ratio Lower Upper

75 100

77 31.8 24.9 37.3



#54

cis-1,3-Dichloropropene

Concen: 20.303 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW015431.D

Acq: 15 May 2020 13:58

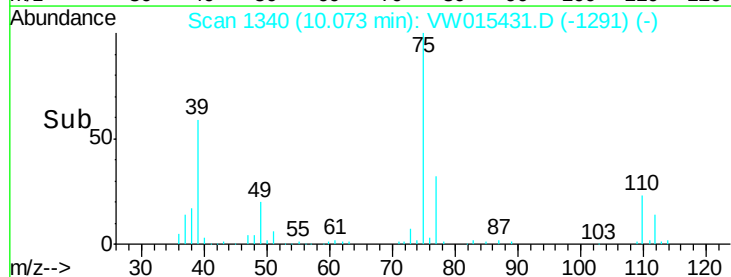
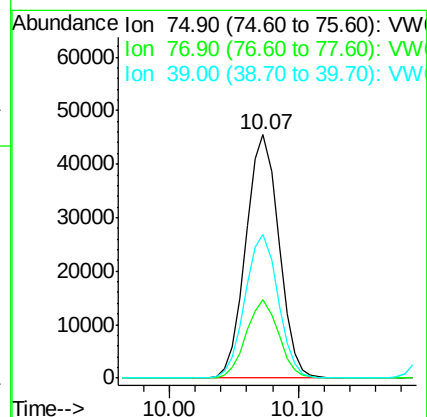
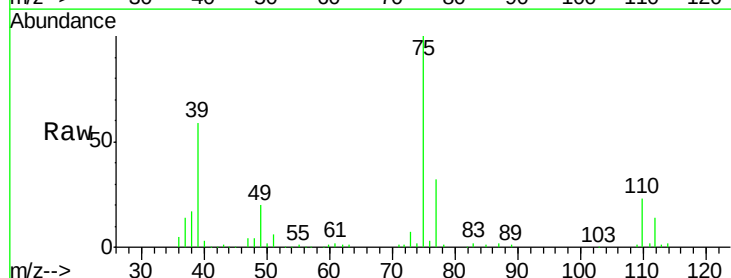
Tgt Ion: 75 Resp: 80706

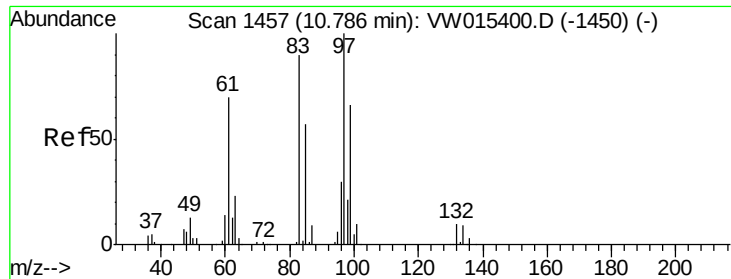
Ion Ratio Lower Upper

75 100

77 32.2 25.6 38.4

39 59.0 45.6 68.4

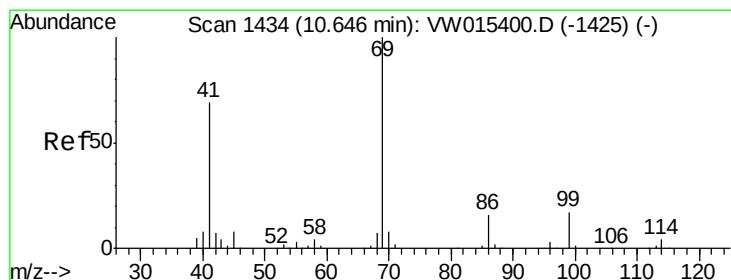
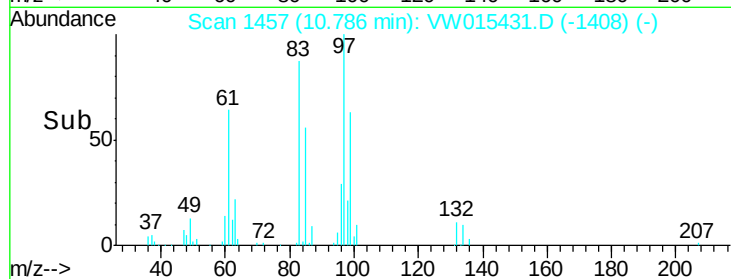
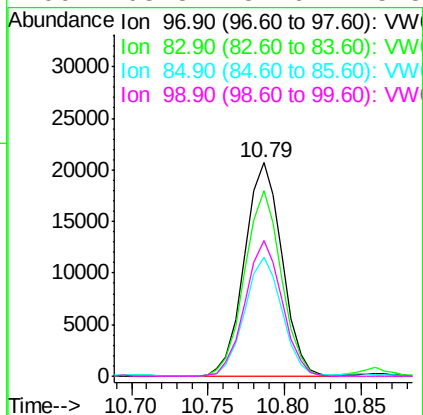
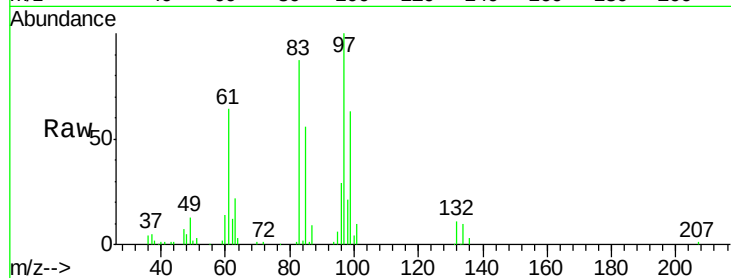




#55
 1,1,2-Trichloroethane
 Concen: 20.614 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW015431.D
 Acq: 15 May 2020 13:58

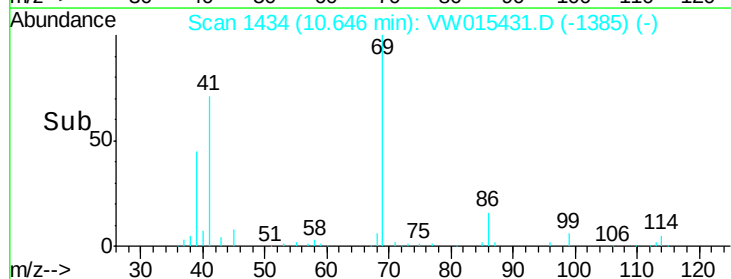
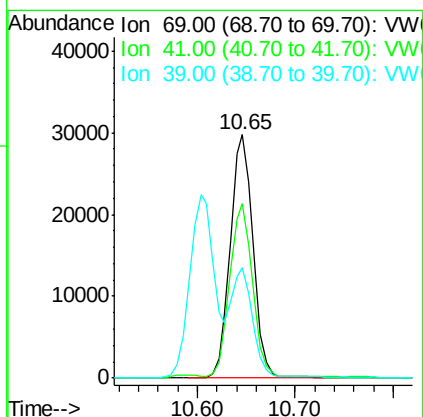
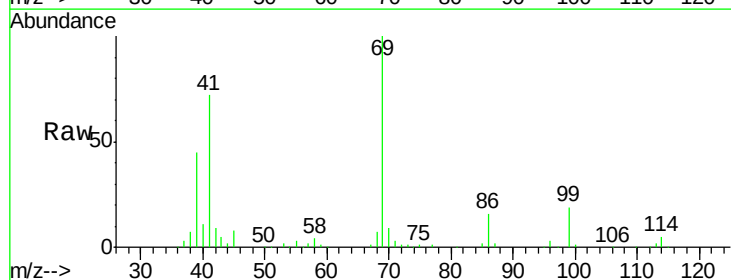
Instrument :
 MSVOA_W
 ClientSampled :

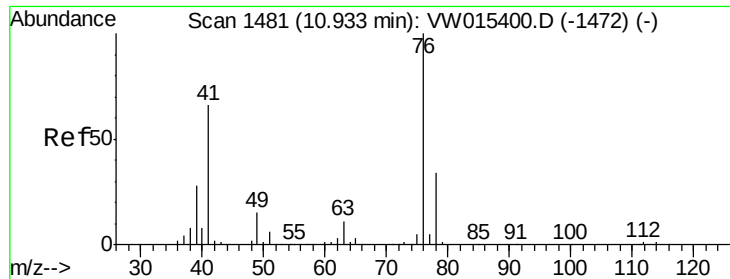
Tot Ion:	97	Resp:	35377
Ion	Ratio	Lower	Upper
97	100		
83	87.0	72.2	108.4
85	55.8	45.2	67.8
99	63.3	52.6	78.8



#56
 Ethyl methacrylate
 Concen: 20.438 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW015431.D
 Acq: 15 May 2020 13:58

Tgt Ion:	69	Resp:	48191
Ion	Ratio	Lower	Upper
69	100		
41	70.8	55.3	82.9
39	41.1	31.9	47.9

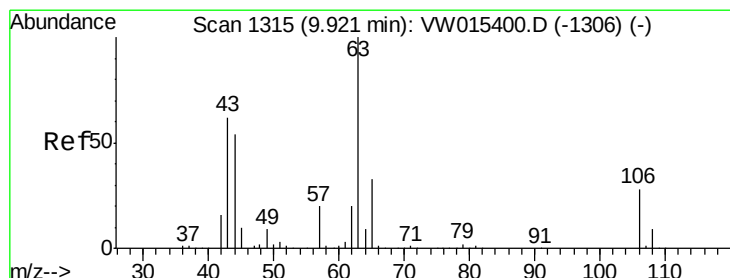
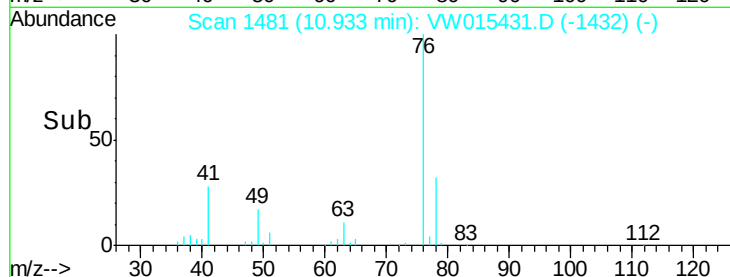
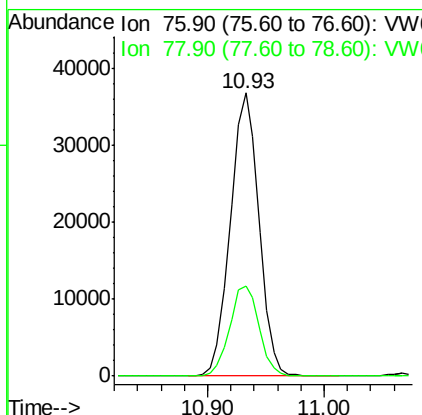
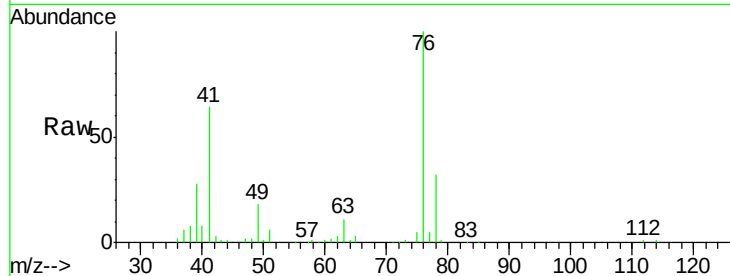




#57
 1,3-Dichloropropane
 Concen: 20.393 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW015431.D
 Acq: 15 May 2020 13:58

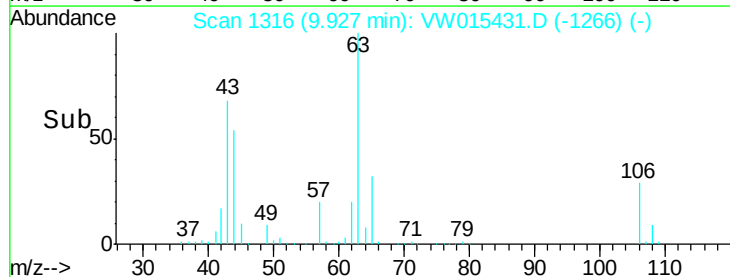
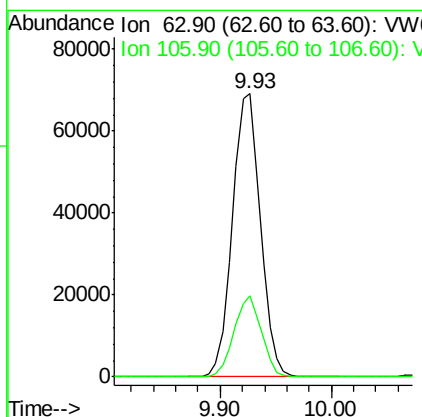
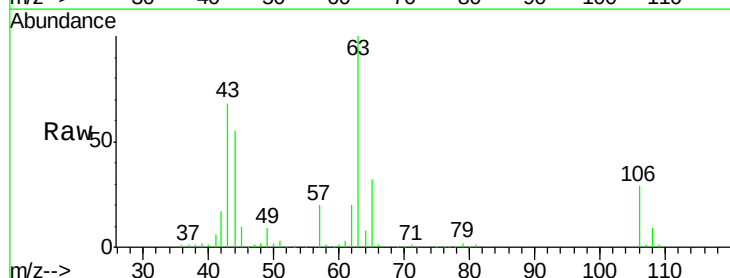
Instrument :
 MSVOA_W
 ClientSampled :

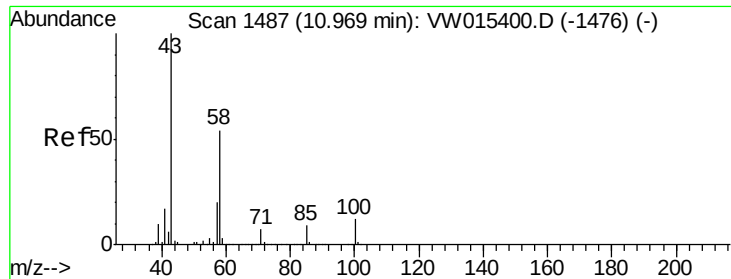
Tot Ion: 76 Resp: 62924
 Ion Ratio Lower Upper
 76 100
 78 32.8 26.3 39.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 104.945 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.01 min
 Lab File: VW015431.D
 Acq: 15 May 2020 13:58

Tgt Ion: 63 Resp: 120387
 Ion Ratio Lower Upper
 63 100
 106 27.9 22.6 33.8

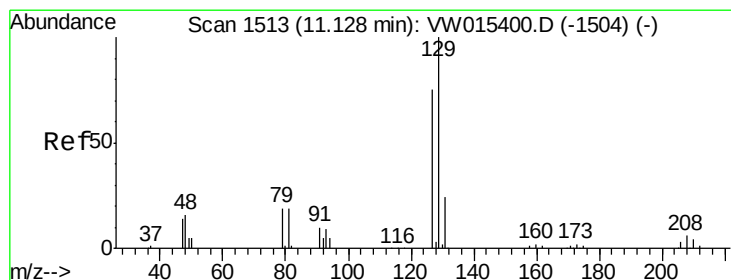
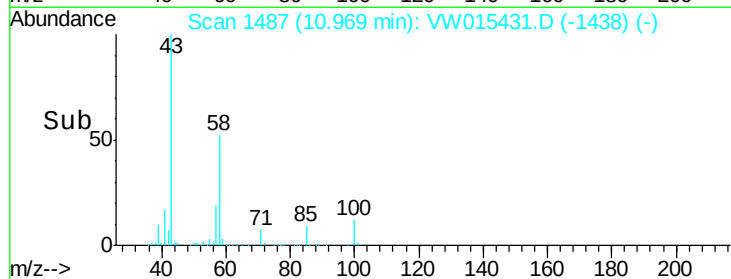
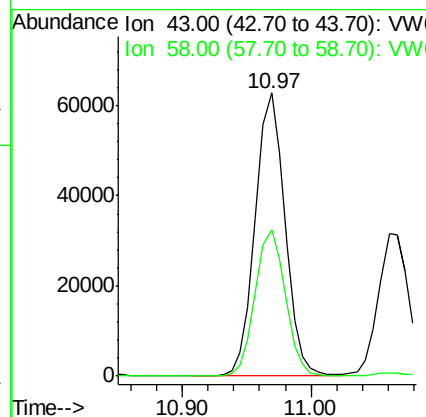
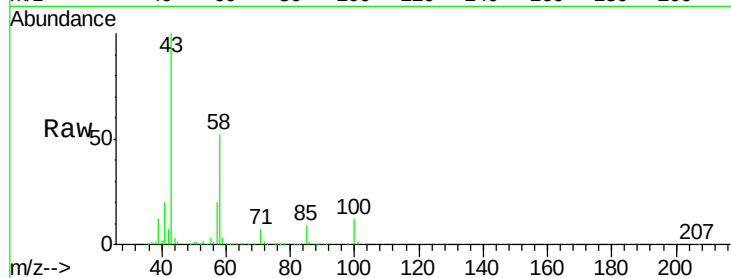




#59
2-Hexanone
Concen: 107.314 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW015431.D
Acq: 15 May 2020 13:58

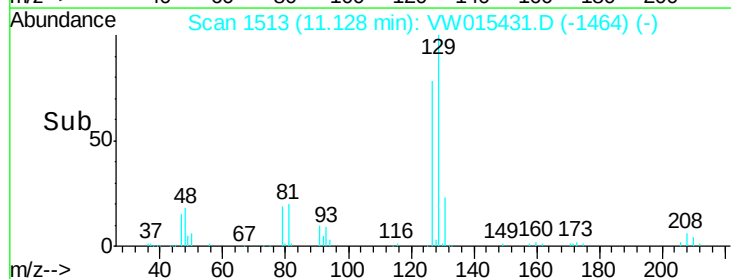
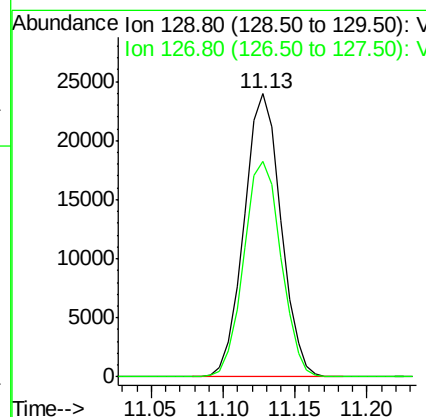
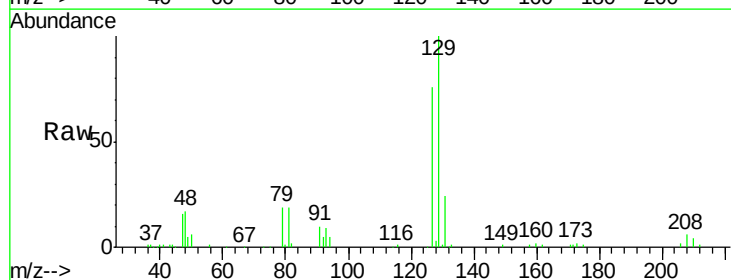
Instrument :
MSVOA_W
ClientSampleId :

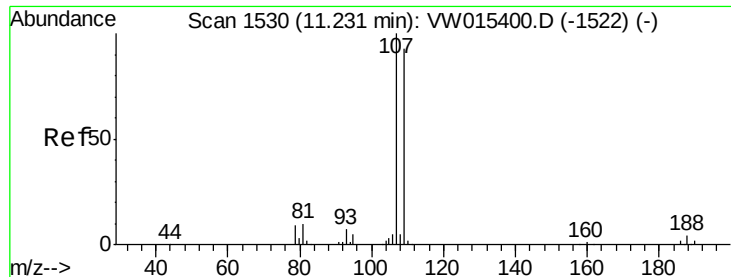
Tot Ion: 43 Resp: 100570
Ion Ratio Lower Upper
43 100
58 52.6 26.7 80.0



#60
Dibromochloromethane
Concen: 20.589 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW015431.D
Acq: 15 May 2020 13:58

Tgt Ion: 129 Resp: 42496
Ion Ratio Lower Upper
129 100
127 77.0 39.1 117.2





#61

1,2-Dibromoethane

Concen: 20.749 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. -0.00 min

Lab File: VW015431.D

Acq: 15 May 2020 13:58

Instrument :

MSVOA_W

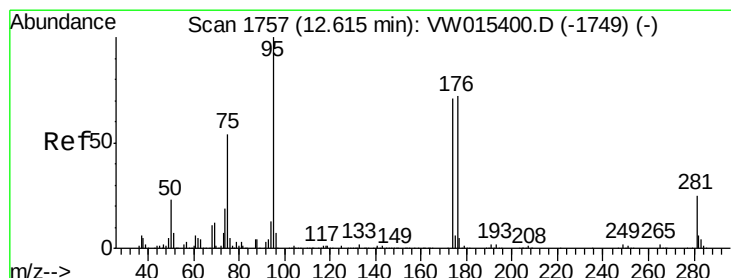
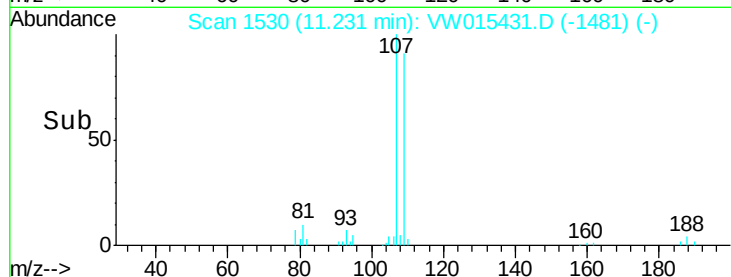
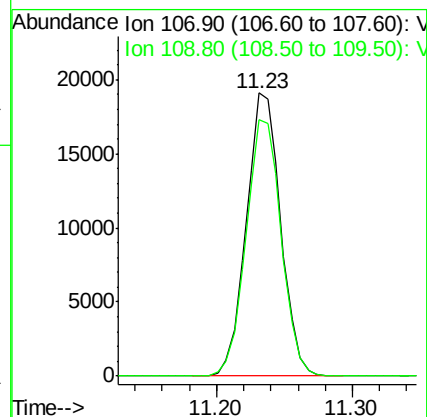
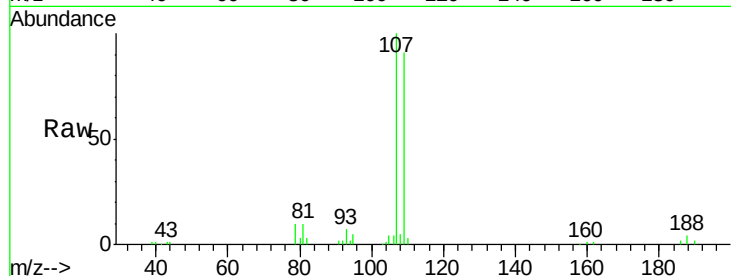
ClientSampleId :

Tot Ion:107 Resp: 33716

Ion Ratio Lower Upper

107 100

109 92.7 75.0 112.4



#62

4-Bromofluorobenzene

Concen: 49.862 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW015431.D

Acq: 15 May 2020 13:58

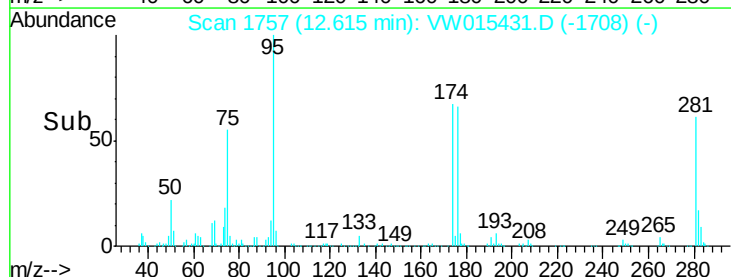
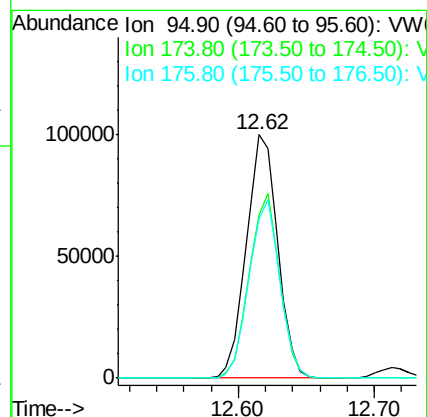
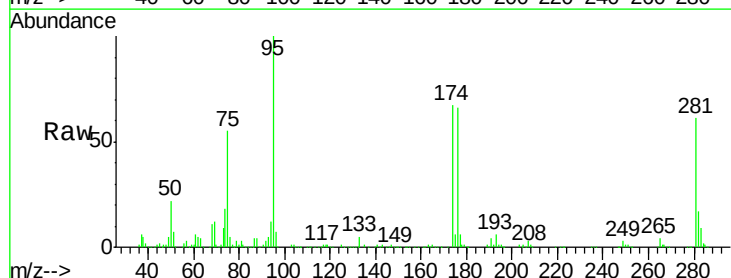
Tgt Ion: 95 Resp: 161207

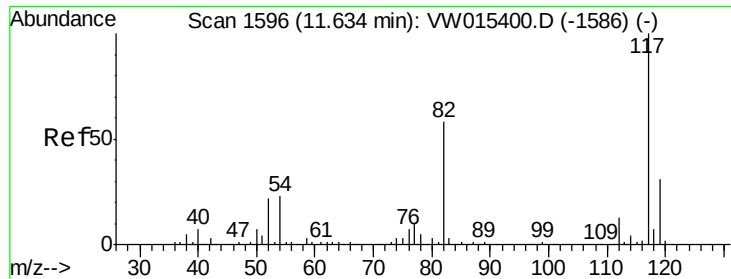
Ion Ratio Lower Upper

95 100

174 73.7 0.0 147.6

176 72.3 0.0 144.4

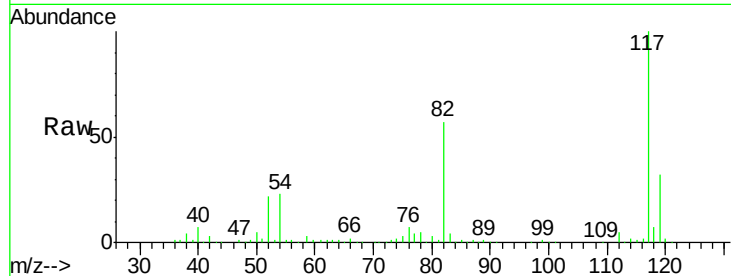




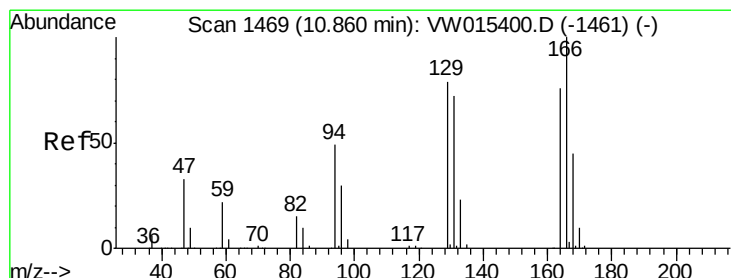
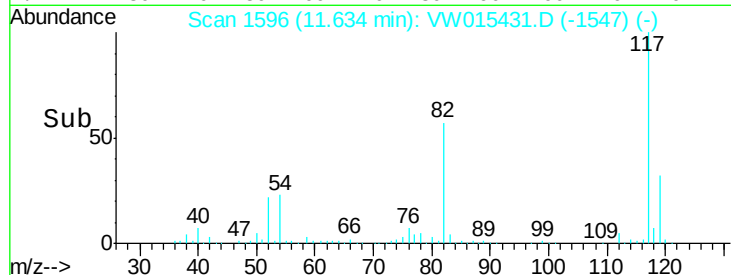
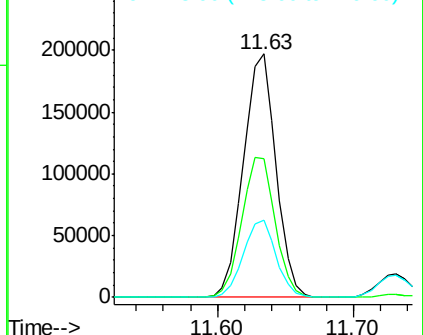
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW015431.D
Acq: 15 May 2020 13:58

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:117 Resp: 330158
Ion Ratio Lower Upper
117 100
82 57.1 46.4 69.6
119 31.9 24.6 37.0

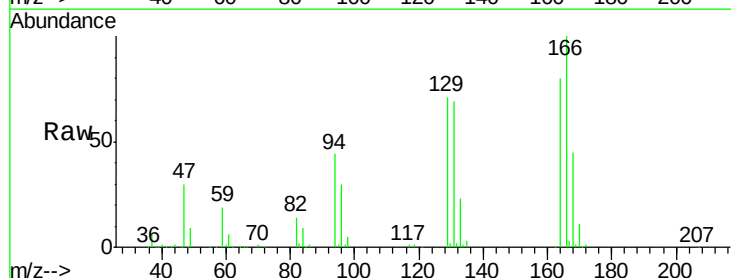


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

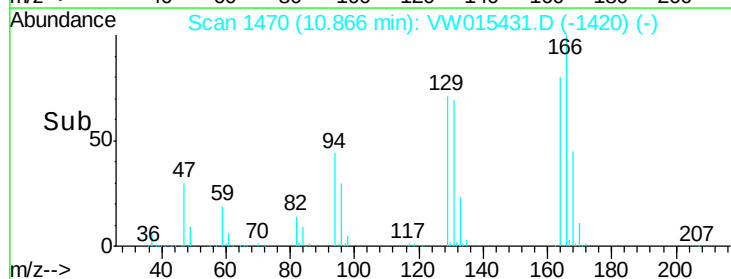
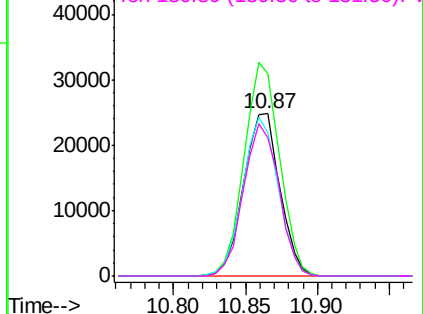


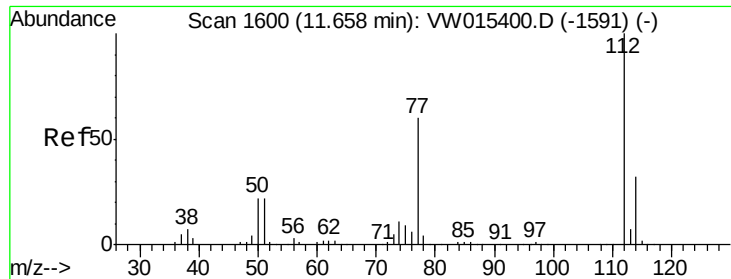
#64
Tetrachloroethene
Concen: 21.476 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VW015431.D
Acq: 15 May 2020 13:58

Tgt Ion:164 Resp: 43339
Ion Ratio Lower Upper
164 100
166 124.9 104.9 157.3
129 88.2 82.7 124.1
131 85.6 75.5 113.3



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

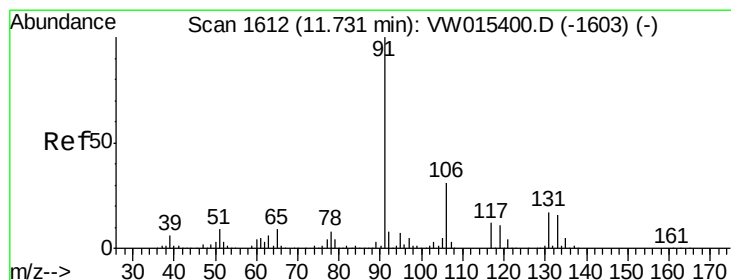
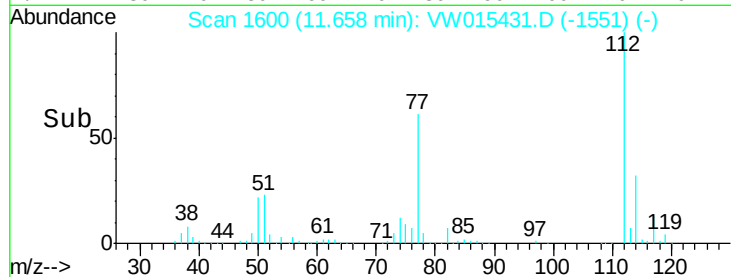
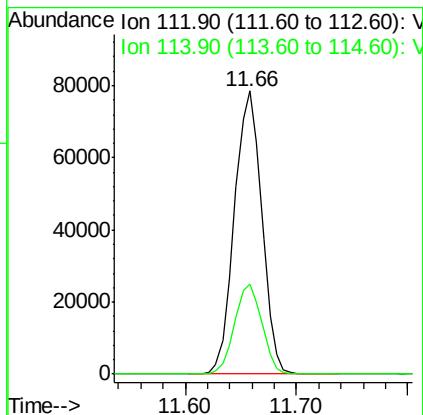
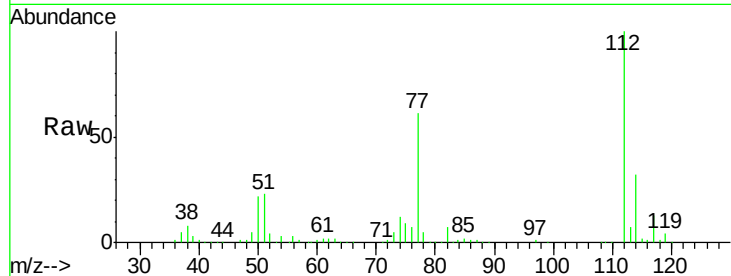




#65
Chlorobenzene
Concen: 20.567 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW015431.D
Acq: 15 May 2020 13:58

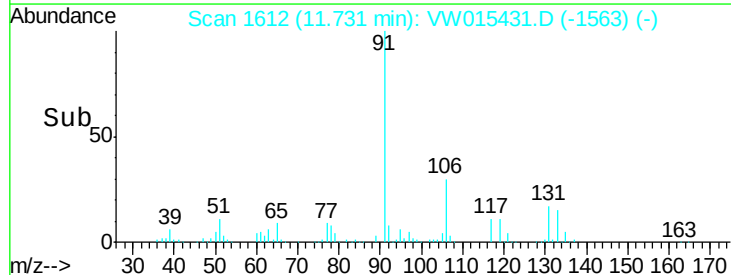
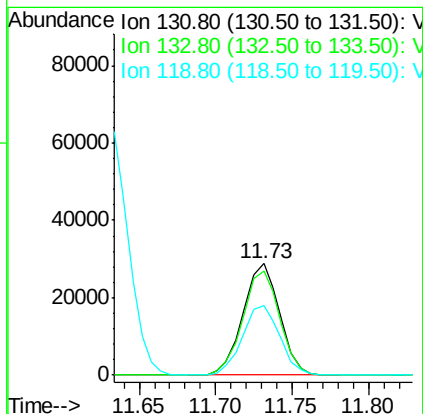
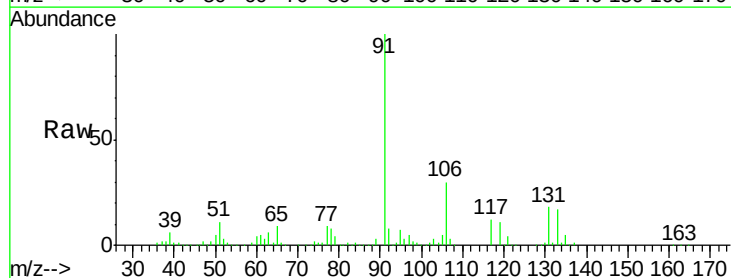
Instrument :
MSVOA_W
ClientSampleId :

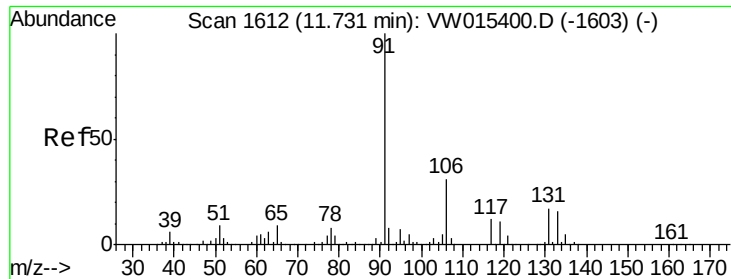
Tot Ion:112 Resp: 133880
Ion Ratio Lower Upper
112 100
114 31.9 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 20.644 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW015431.D
Acq: 15 May 2020 13:58

Tgt Ion:131 Resp: 47646
Ion Ratio Lower Upper
131 100
133 94.8 47.9 143.8
119 63.9 33.0 99.0

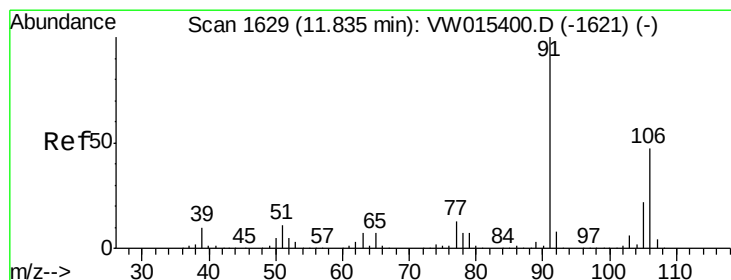
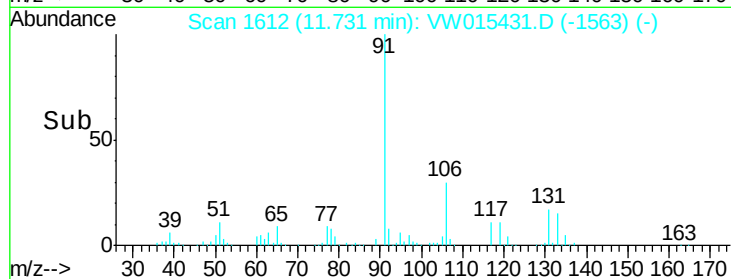
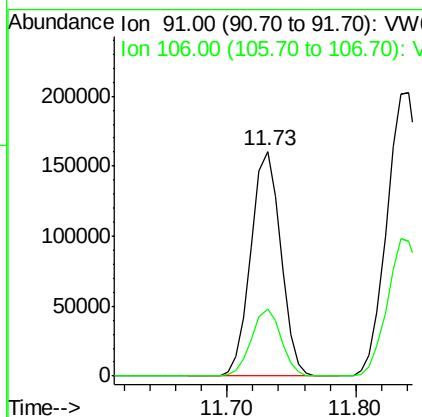
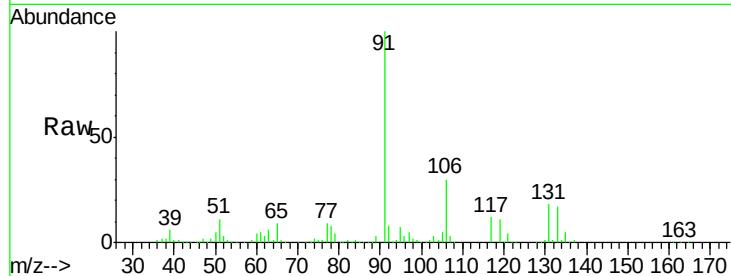




#67
Ethyl Benzene
Concen: 20.634 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW015431.D
Acq: 15 May 2020 13:58

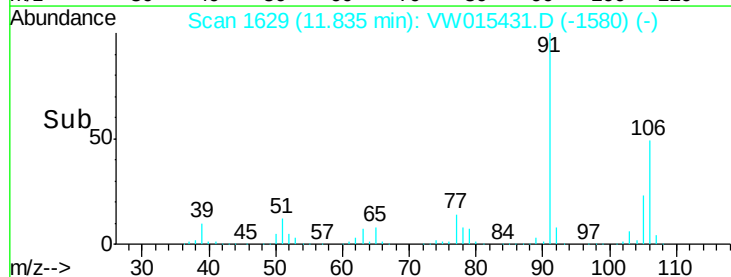
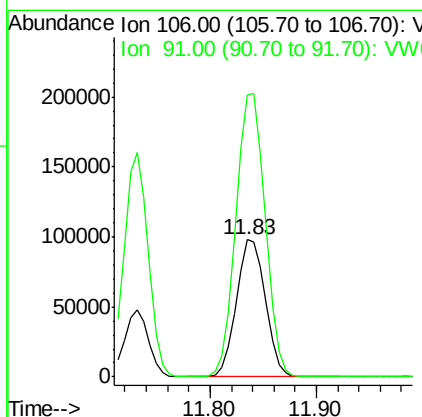
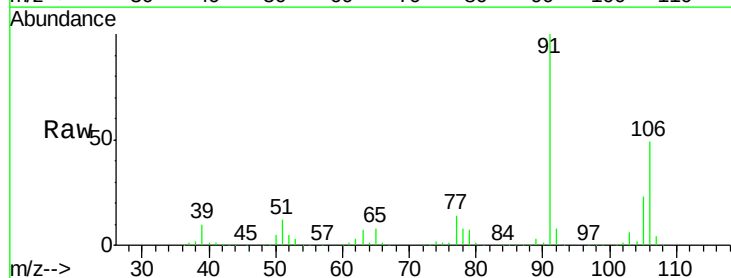
Instrument :
MSVOA_W
ClientSampled :

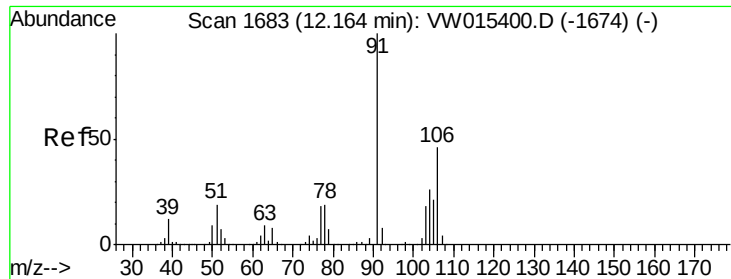
Tot Ion: 91 Resp: 257091
Ion Ratio Lower Upper
91 100
106 29.9 25.2 37.8



#68
m/p-Xylenes
Concen: 40.658 ug/l
RT: 11.83 min Scan# 1629
Delta R.T. -0.00 min
Lab File: VW015431.D
Acq: 15 May 2020 13:58

Tgt Ion:106 Resp: 188347
Ion Ratio Lower Upper
106 100
91 207.9 165.7 248.5

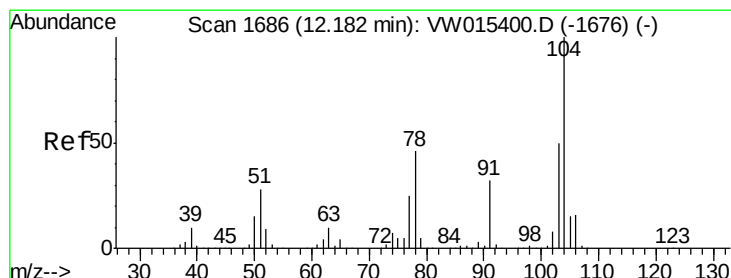
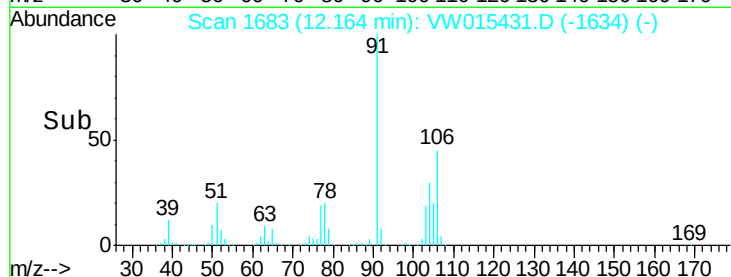
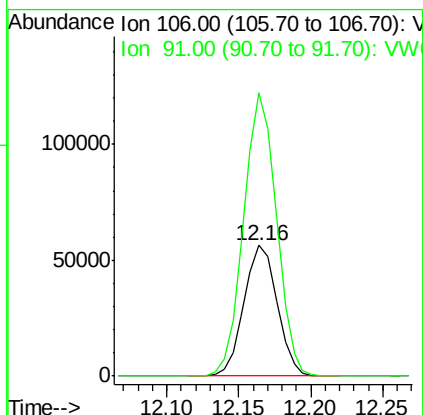
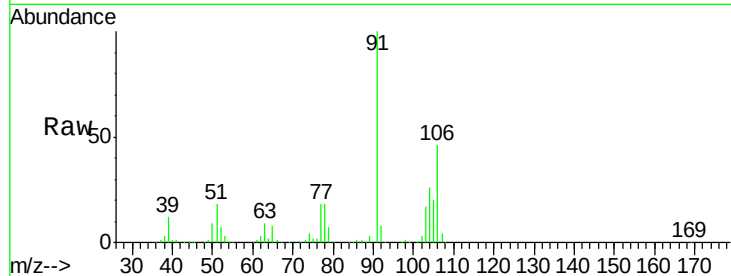




#69
o-Xylene
Concen: 20.689 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW015431.D
Acq: 15 May 2020 13:58

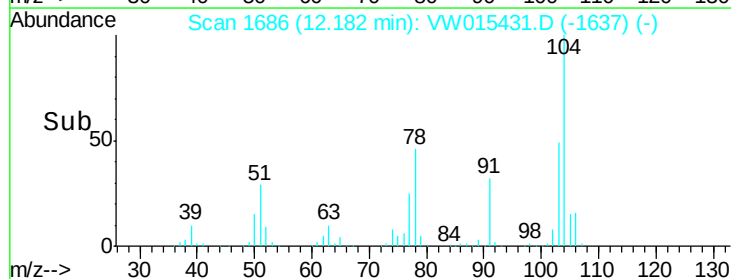
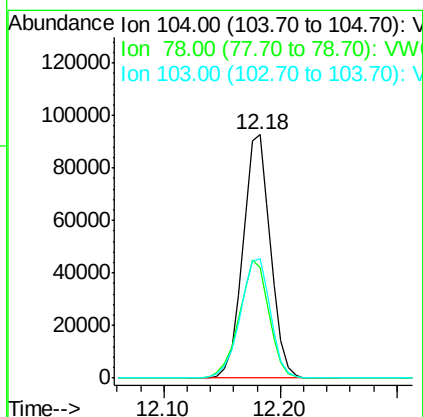
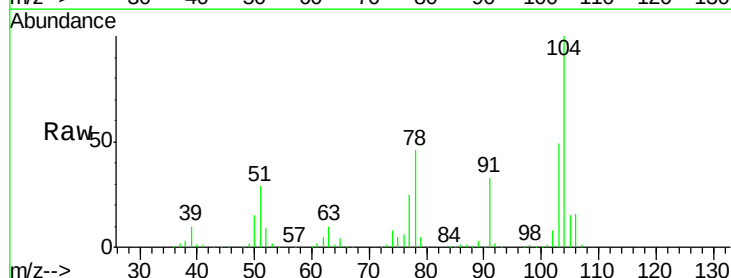
Instrument :
MSVOA_W
ClientSampled :

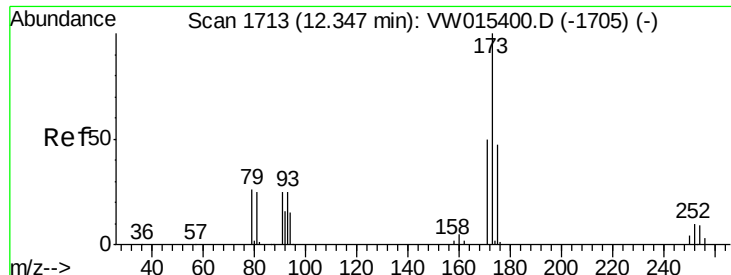
Tot Ion:106 Resp: 90062
Ion Ratio Lower Upper
106 100
91 214.0 109.0 327.0



#70
Styrene
Concen: 20.293 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW015431.D
Acq: 15 May 2020 13:58

Tgt Ion:104 Resp: 152146
Ion Ratio Lower Upper
104 100
78 52.4 41.8 62.8
103 54.1 43.6 65.4





#71

Bromoform

Concen: 20.687 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW015431.D

Acq: 15 May 2020 13:58

Instrument :

MSVOA_W

ClientSampleId :

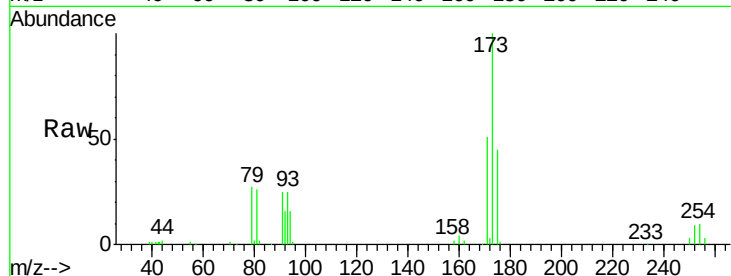
Tot Ion:173 Resp: 23284

Ion Ratio Lower Upper

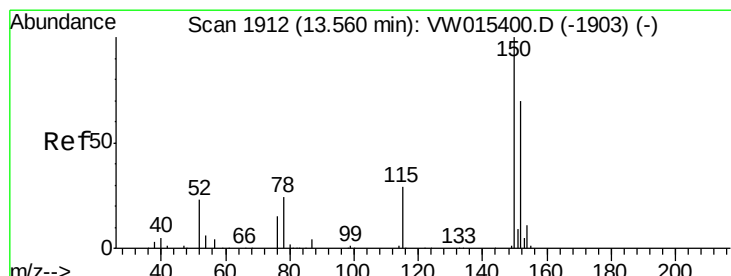
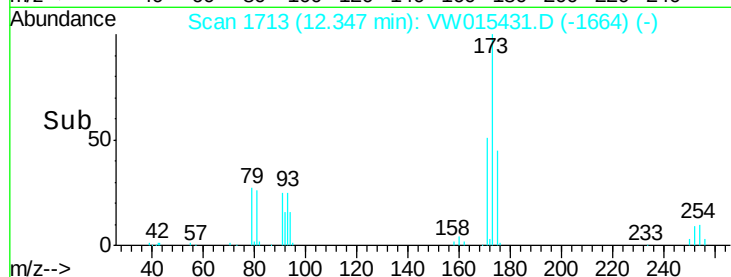
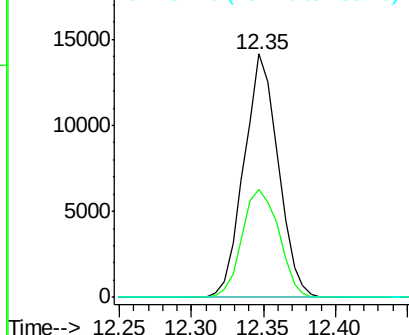
173 100

175 47.7 23.8 71.4

254 0.0 0.0 0.0



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW015431.D

Acq: 15 May 2020 13:58

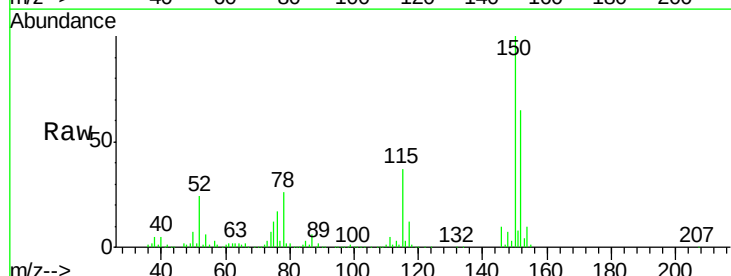
Tgt Ion:152 Resp: 164734

Ion Ratio Lower Upper

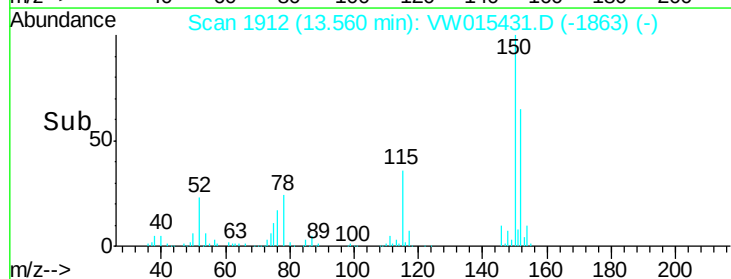
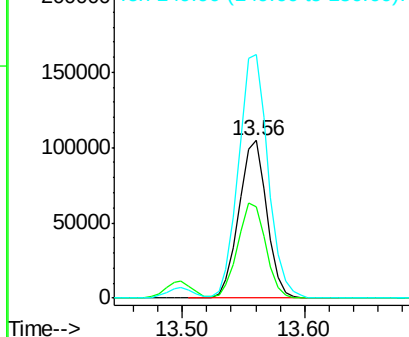
152 100

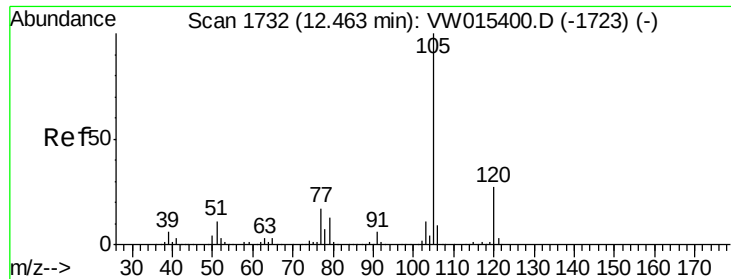
115 60.6 30.3 90.8

150 163.7 0.0 344.4



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





#73

Isopropylbenzene

Concen: 20.212 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW015431.D

Acq: 15 May 2020 13:58

Instrument :

MSVOA_W

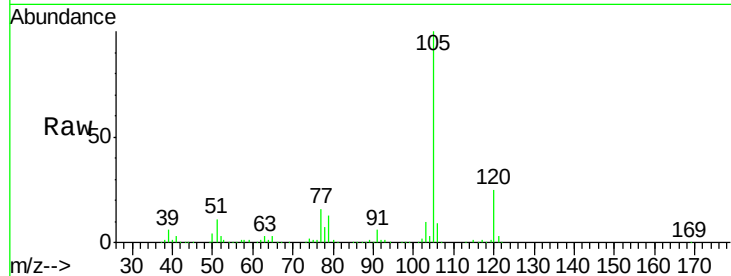
ClientSampleId :

Tot Ion:105 Resp: 248572

Ion Ratio Lower Upper

105 100

120 25.9 13.1 39.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.46

150000

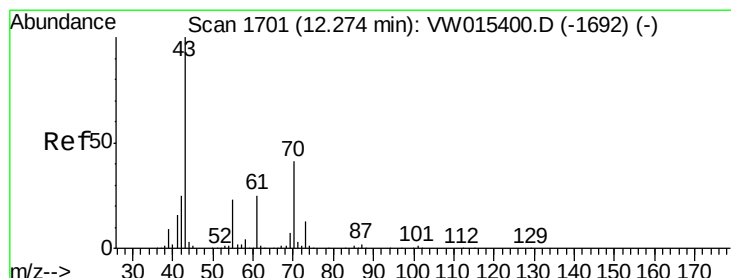
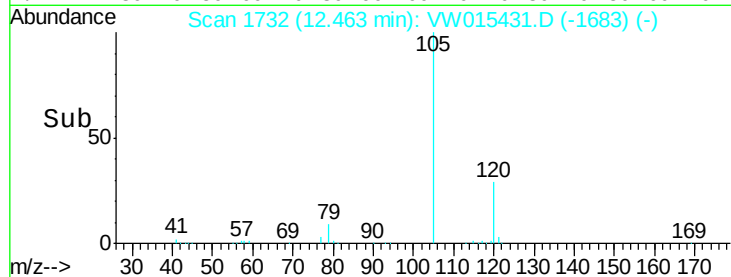
100000

50000

0

Time-->

12.40 12.50



#74

N-ethyl acetate

Concen: 20.486 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW015431.D

Acq: 15 May 2020 13:58

Tgt Ion: 43 Resp: 59556

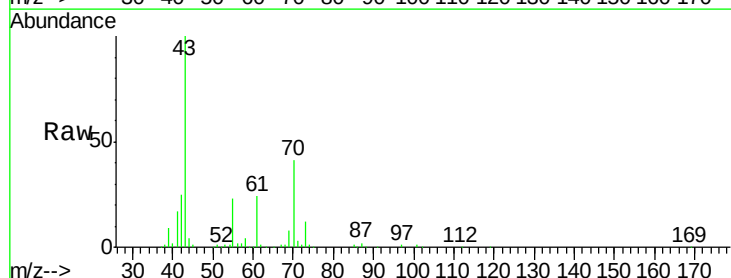
Ion Ratio Lower Upper

43 100

70 40.3 33.4 50.0

55 23.5 18.9 28.3

61 23.5 19.4 29.0



Abundance Ion 43.00 (42.70 to 43.70): VV

Ion 70.00 (69.70 to 70.70): VV

Ion 55.00 (54.70 to 55.70): VV

Ion 61.00 (60.70 to 61.70): VV

60000

50000

40000

30000

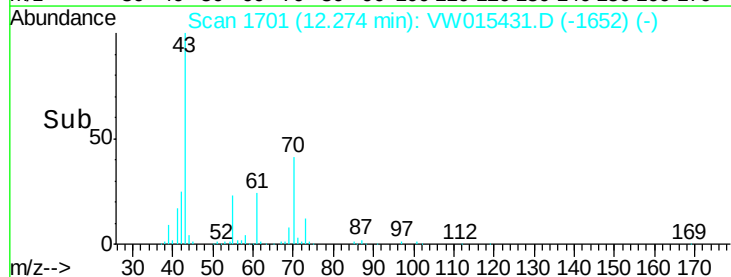
20000

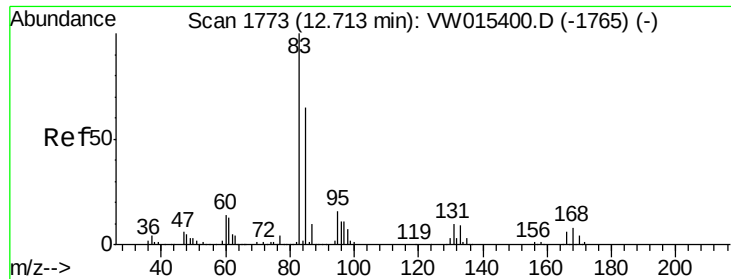
10000

0

Time-->

12.20 12.30





#75

1,1,2,2-Tetrachloroethane

Concen: 20.859 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW015431.D

Acq: 15 May 2020 13:58

Instrument :

MSVOA_W

ClientSampled :

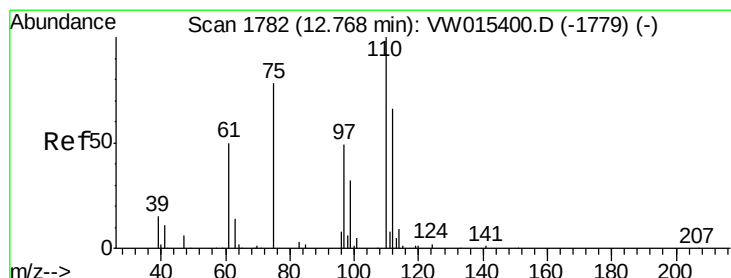
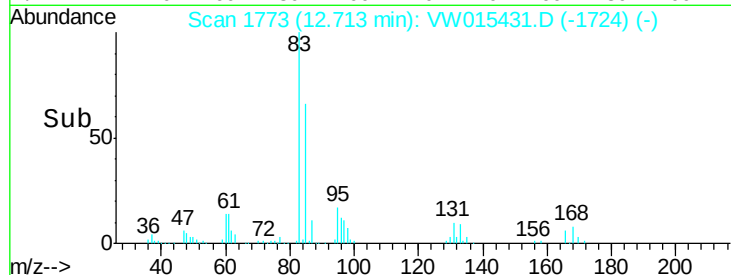
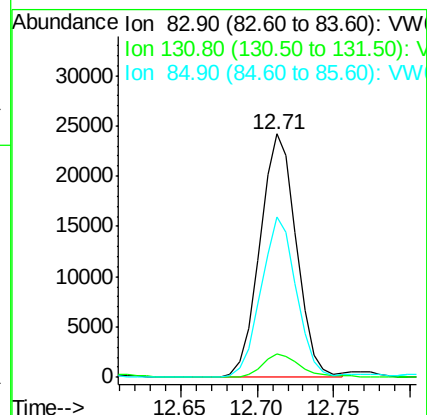
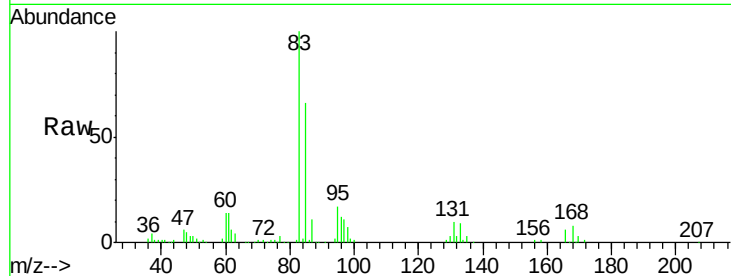
Tot Ion: 83 Resp: 40131

Ion Ratio Lower Upper

83 100

131 10.0 5.1 15.2

85 63.9 32.2 96.6



#76

1,2,3-Trichloropropane

Concen: 40.620 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW015431.D

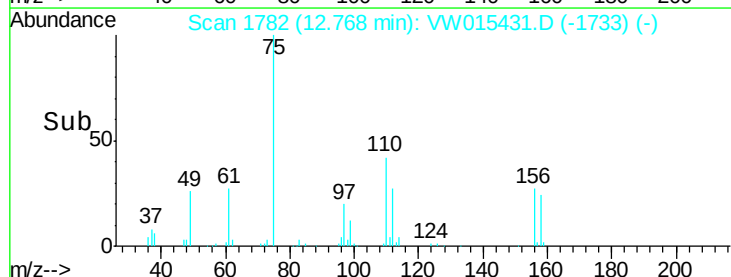
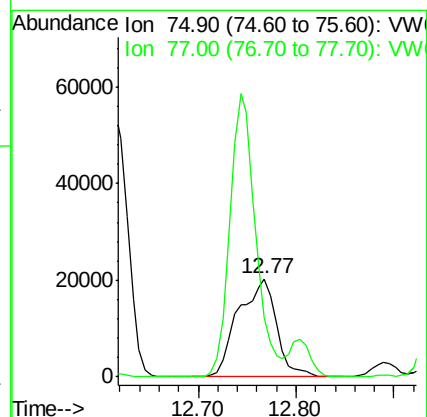
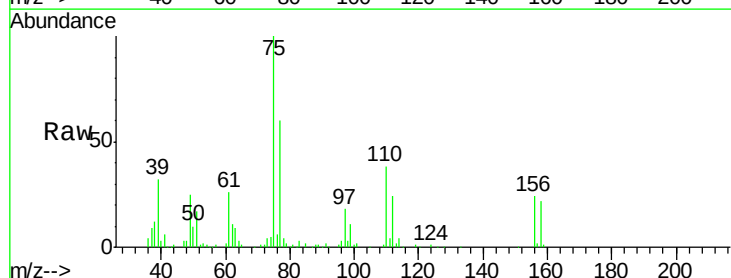
Acq: 15 May 2020 13:58

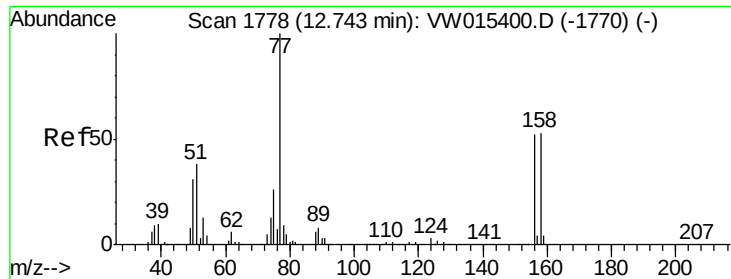
Tgt Ion: 75 Resp: 55047

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 20.342 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.01 min

Lab File: VW015431.D

Acq: 15 May 2020 13:58

Instrument :

MSVOA_W

ClientSampled :

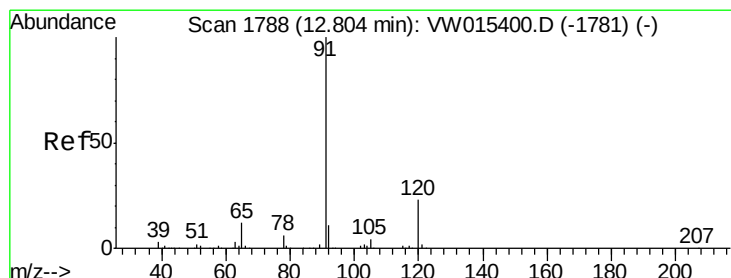
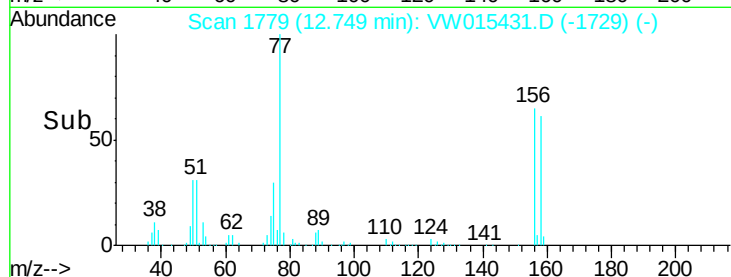
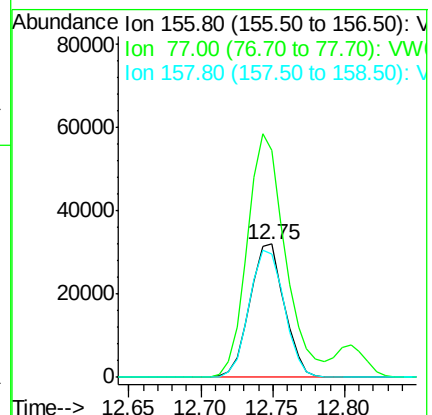
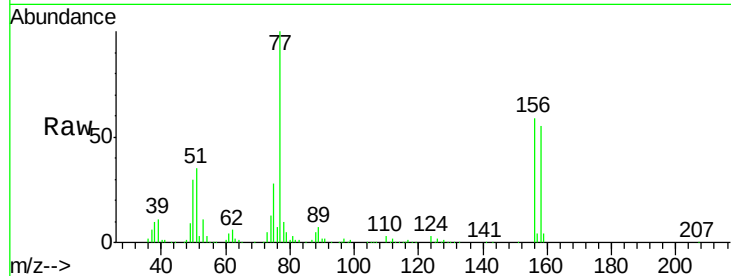
Tot Ion:156 Resp: 53017

Ion Ratio Lower Upper

156 100

77 201.5 101.8 305.6

158 97.4 48.3 144.8



#78

n-propylbenzene

Concen: 20.430 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW015431.D

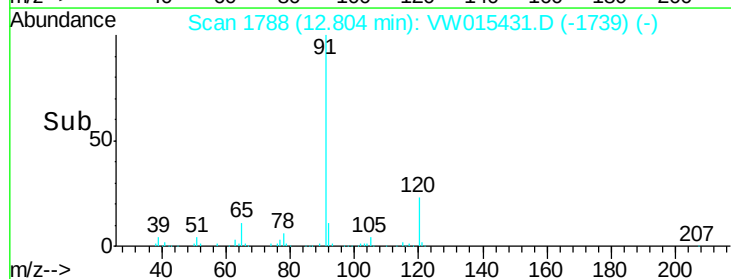
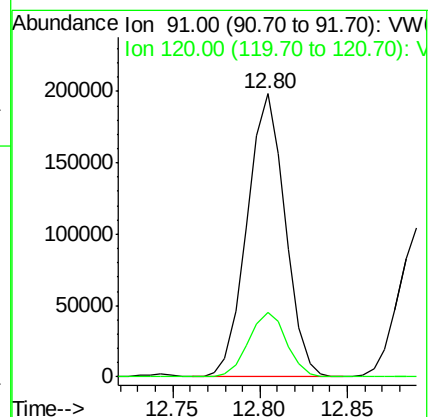
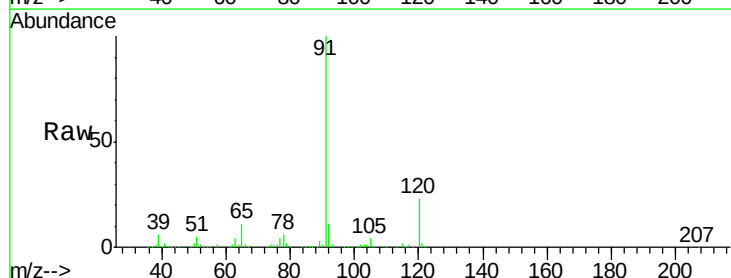
Acq: 15 May 2020 13:58

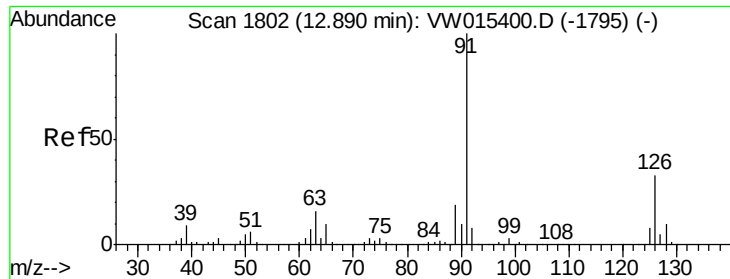
Tgt Ion: 91 Resp: 301455

Ion Ratio Lower Upper

91 100

120 22.6 11.2 33.6

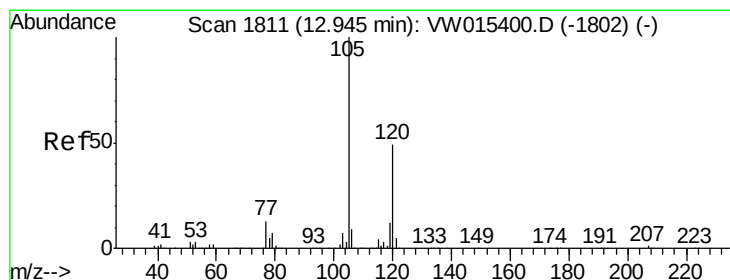
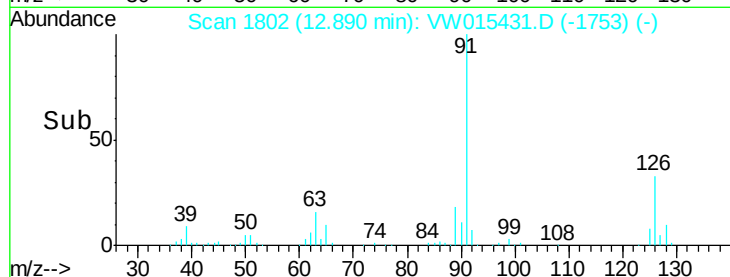
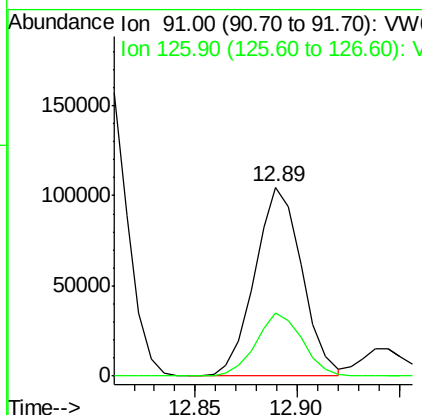
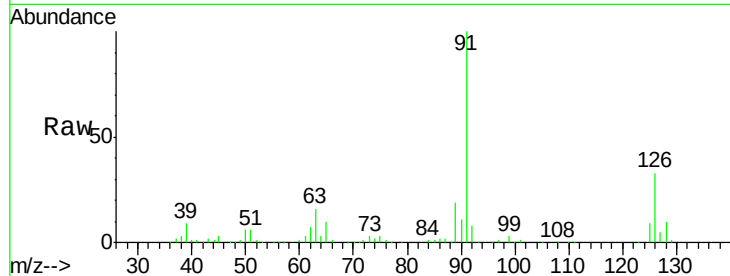




#79
2-Chlorotoluene
Concen: 20.163 ug/l
RT: 12.89 min Scan# 1802
Delta R.T. -0.00 min
Lab File: VW015431.D
Acq: 15 May 2020 13:58

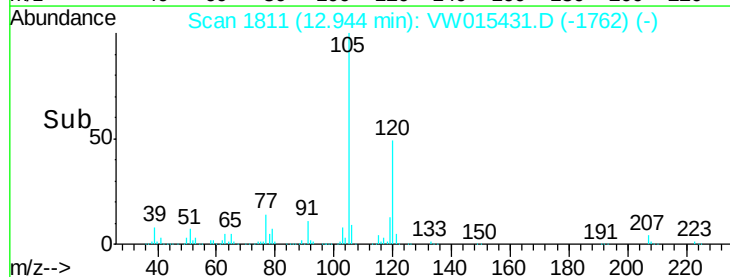
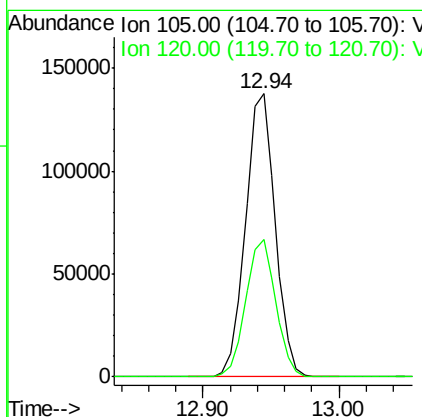
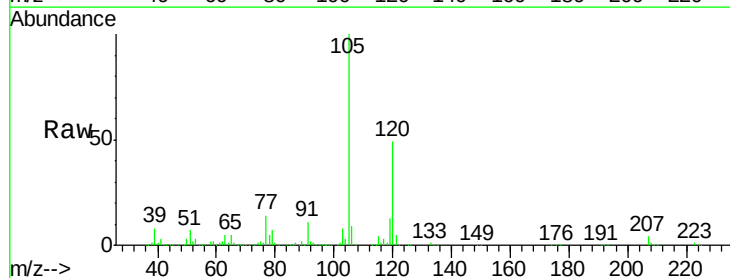
Instrument :
MSVOA_W
ClientSampleId :

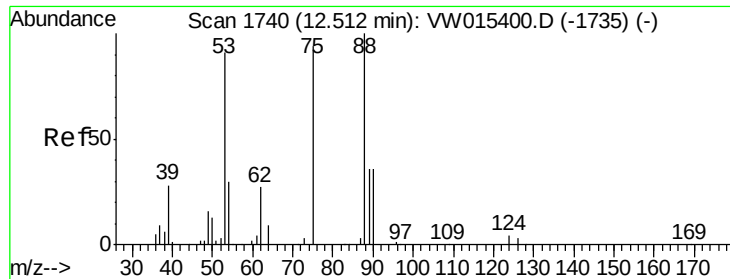
Tot Ion: 91 Resp: 167710
Ion Ratio Lower Upper
91 100
126 32.8 16.1 48.2



#80
1,3,5-Trimethylbenzene
Concen: 20.293 ug/l
RT: 12.94 min Scan# 1811
Delta R.T. -0.00 min
Lab File: VW015431.D
Acq: 15 May 2020 13:58

Tgt Ion:105 Resp: 210221
Ion Ratio Lower Upper
105 100
120 49.1 24.2 72.6





#81

trans-1,4-Dichloro-2-butene

Concen: 20.389 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW015431.D

Acq: 15 May 2020 13:58

Instrument :

MSVOA_W

ClientSampled :

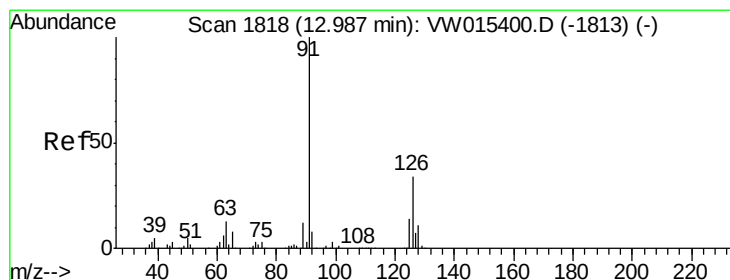
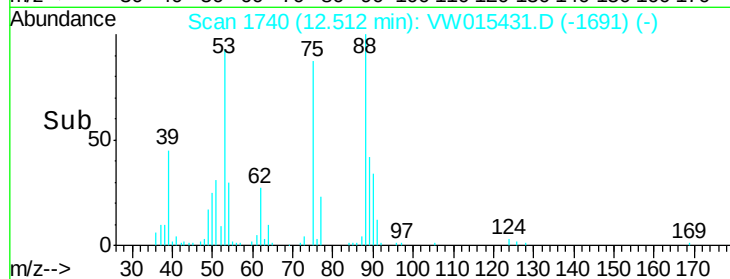
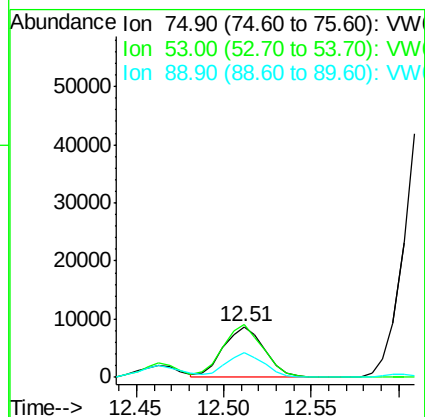
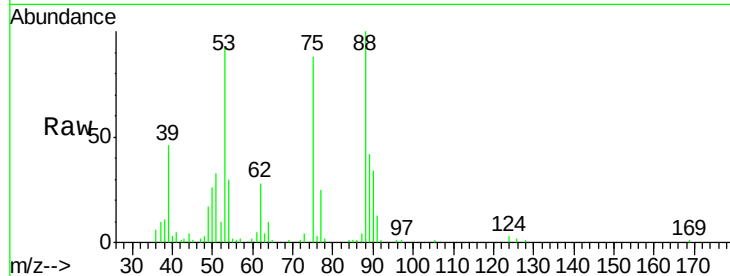
Tot Ion: 75 Resp: 13969

Ion Ratio Lower Upper

75 100

53 105.1 82.5 123.7

89 45.7 35.8 53.8



#82

4-Chlorotoluene

Concen: 20.339 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. -0.00 min

Lab File: VW015431.D

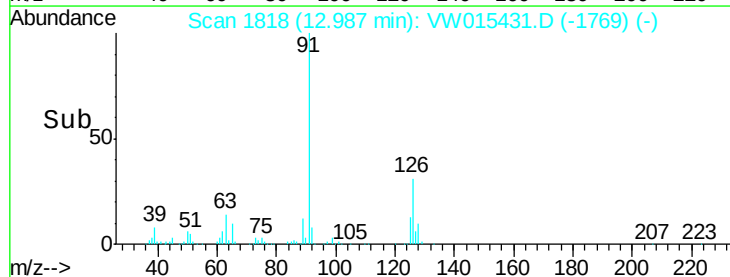
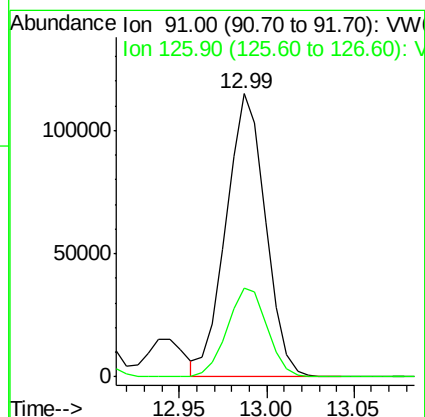
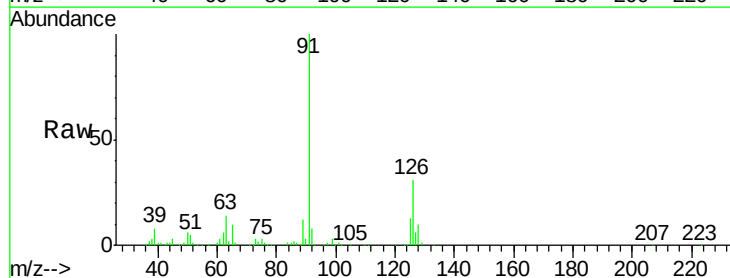
Acq: 15 May 2020 13:58

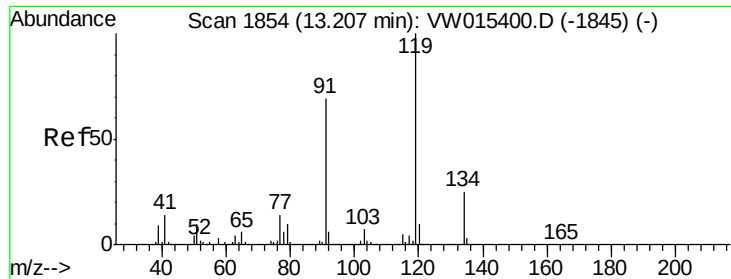
Tgt Ion: 91 Resp: 179281

Ion Ratio Lower Upper

91 100

126 32.0 16.0 47.9





#83

tert-Butylbenzene

Concen: 20.419 ug/l

RT: 13.21 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VW015431.D

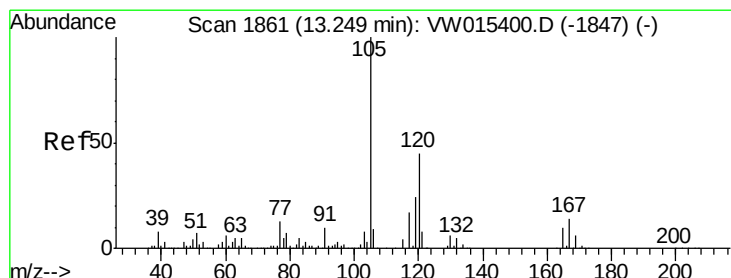
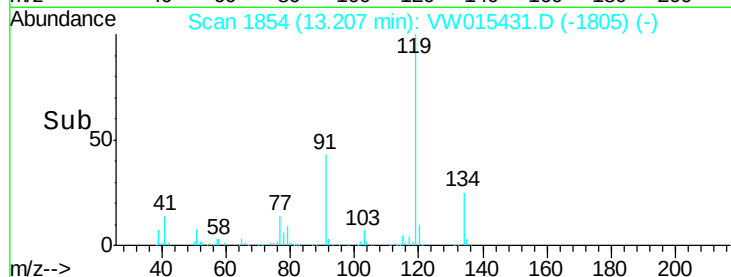
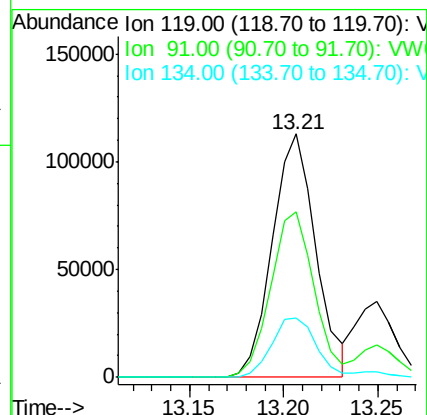
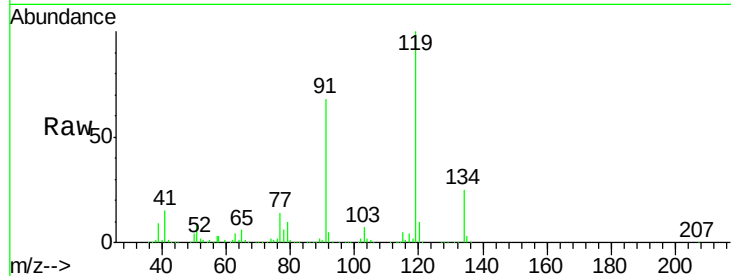
Acq: 15 May 2020 13:58

Instrument :

MSVOA_W

ClientSampled :

Tot Ion:	119	Resp:	180491
Ion	Ratio	Lower	Upper
119	100		
91	67.7	33.8	101.4
134	25.3	12.3	36.9



#84

1,2,4-Trimethylbenzene

Concen: 20.578 ug/l

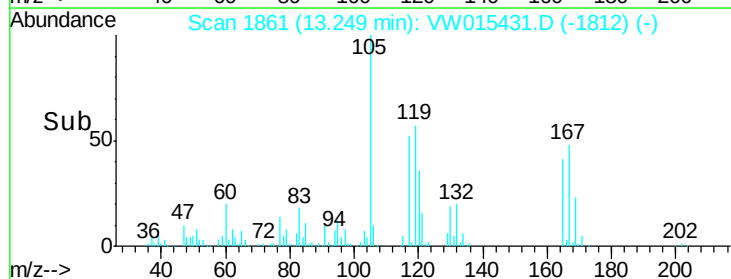
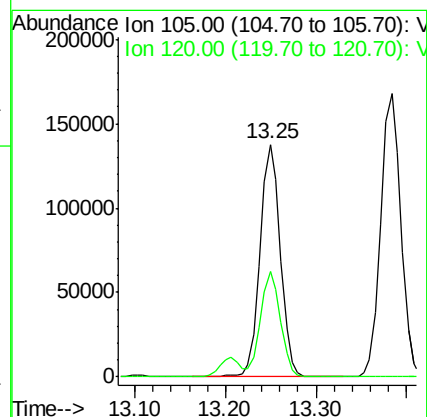
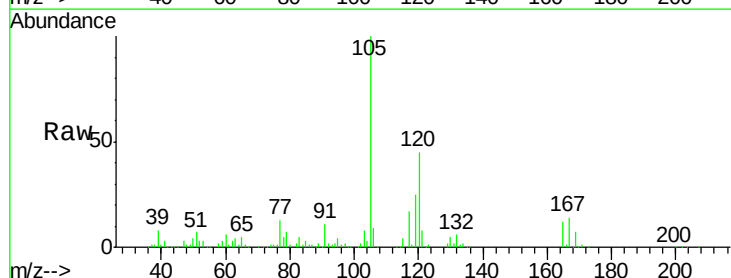
RT: 13.25 min Scan# 1861

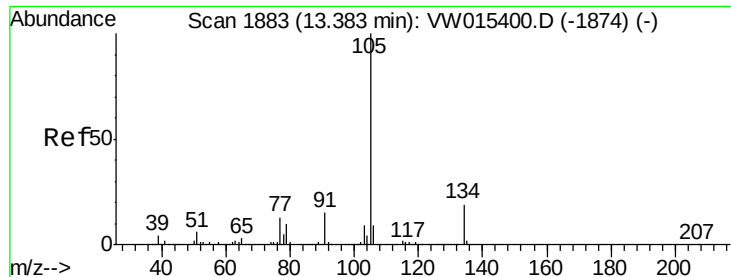
Delta R.T. -0.00 min

Lab File: VW015431.D

Acq: 15 May 2020 13:58

Tgt Ion:	105	Resp:	213255
Ion	Ratio	Lower	Upper
105	100		
120	43.9	22.0	66.0

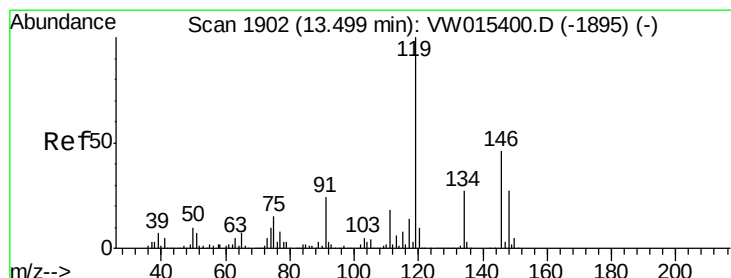
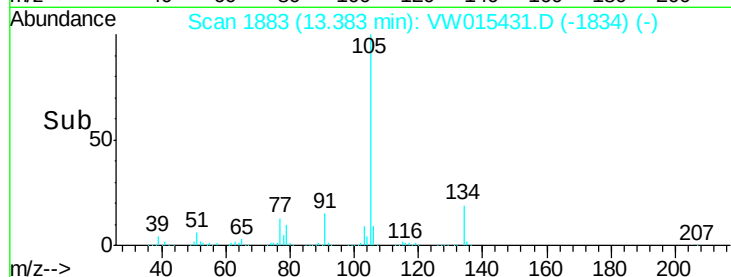
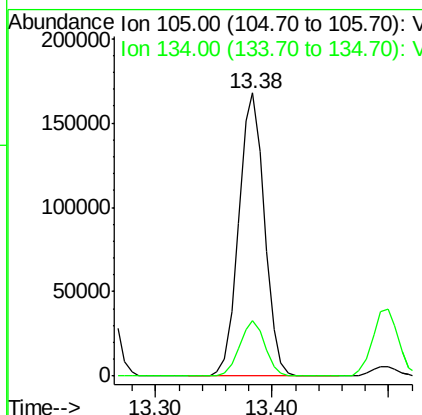
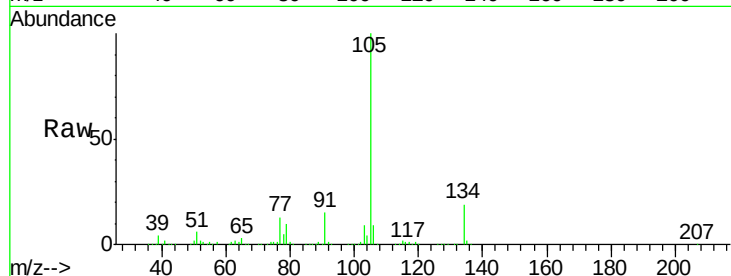




#85
 sec-Butylbenzene
 Concen: 20.736 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW015431.D
 Acq: 15 May 2020 13:58

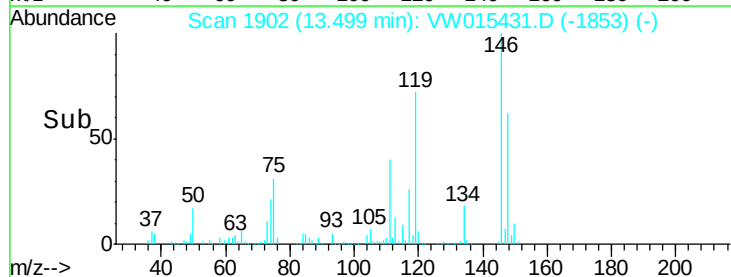
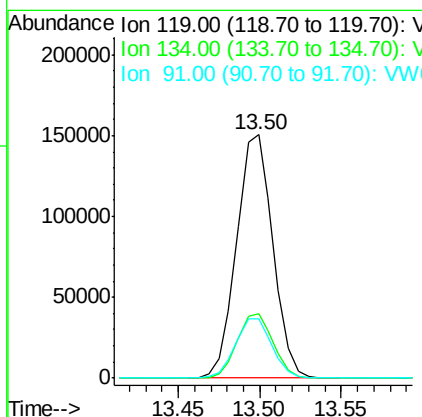
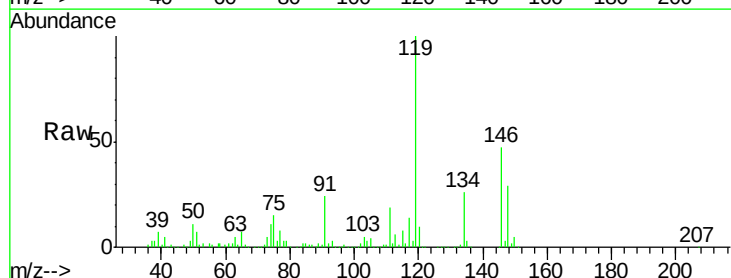
Instrument :
 MSVOA_W
 ClientSampleId :

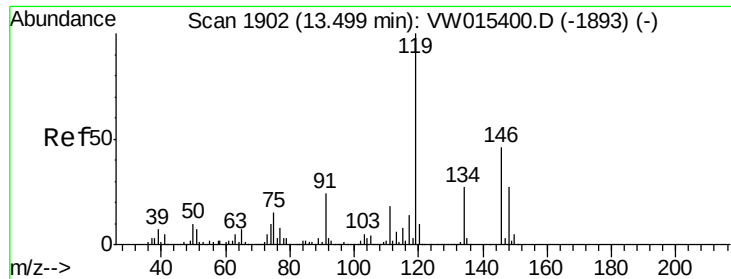
Tot Ion:105 Resp: 258257
 Ion Ratio Lower Upper
 105 100
 134 19.4 9.8 29.5



#86
 p-Isopropyltoluene
 Concen: 20.510 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW015431.D
 Acq: 15 May 2020 13:58

Tgt Ion:119 Resp: 232975
 Ion Ratio Lower Upper
 119 100
 134 26.3 12.8 38.4
 91 24.6 12.1 36.3

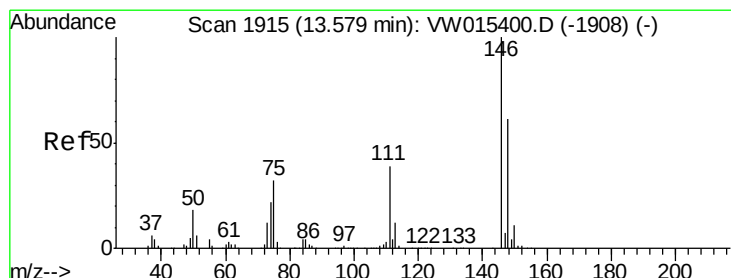
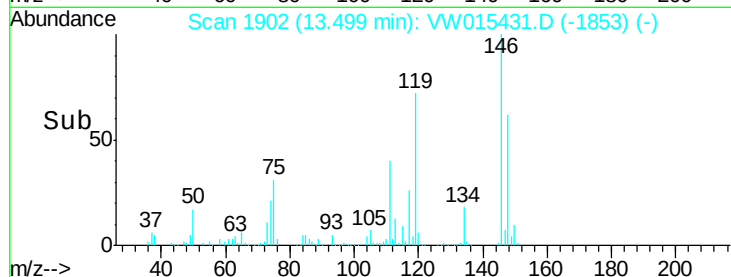
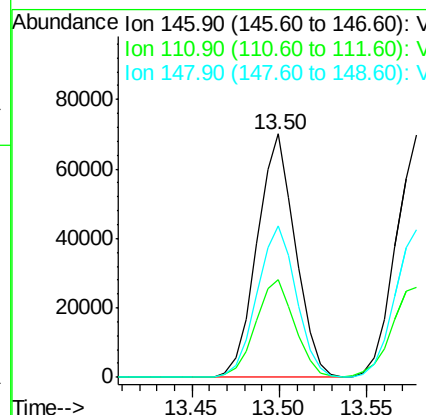
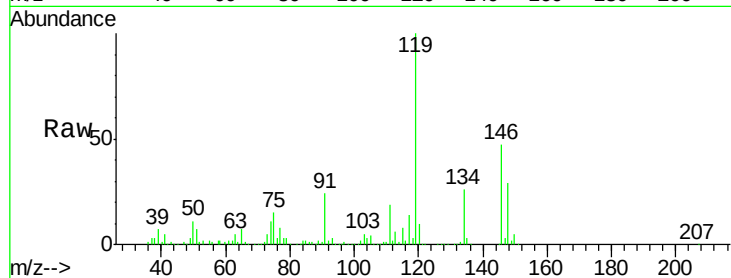




#87
 1,3-Dichlorobenzene
 Concen: 20.667 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW015431.D
 Acq: 15 May 2020 13:58

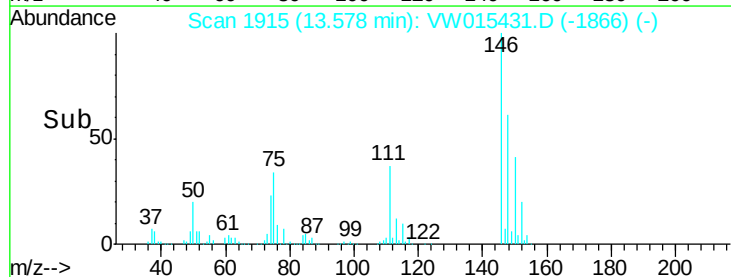
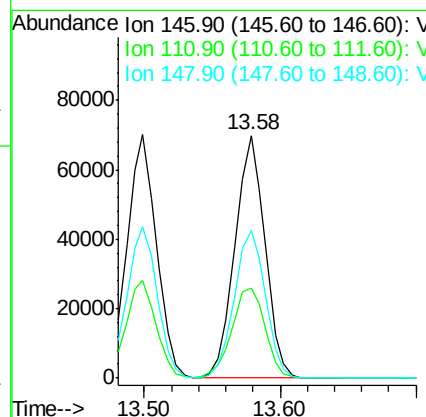
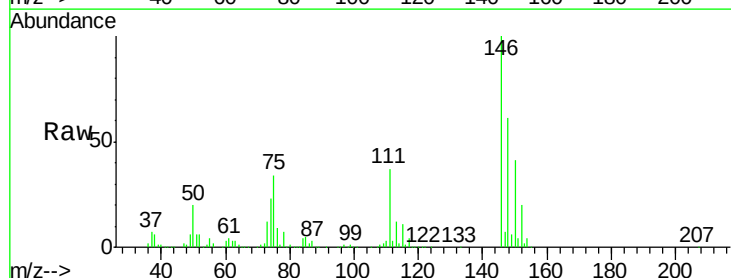
Instrument :
 MSVOA_W
 ClientSampled :

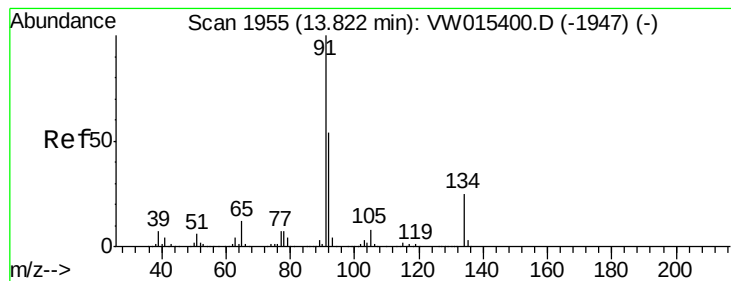
Tot Ion:146 Resp: 107294
 Ion Ratio Lower Upper
 146 100
 111 41.1 20.5 61.5
 148 63.5 31.4 94.0



#88
 1,4-Dichlorobenzene
 Concen: 20.835 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW015431.D
 Acq: 15 May 2020 13:58

Tgt Ion:146 Resp: 107127
 Ion Ratio Lower Upper
 146 100
 111 41.5 20.0 60.0
 148 63.3 31.4 94.3





#89

n-Butylbenzene

Concen: 20.613 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW015431.D

Acq: 15 May 2020 13:58

Instrument :

MSVOA_W

ClientSampled :

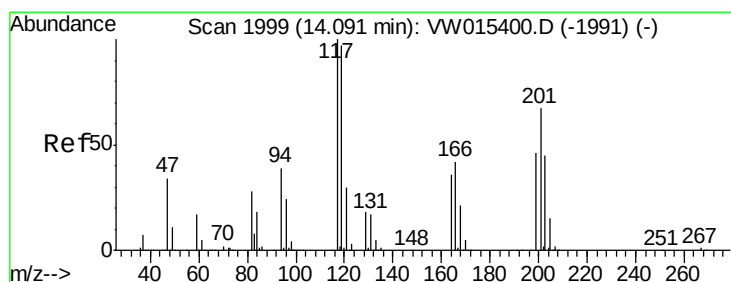
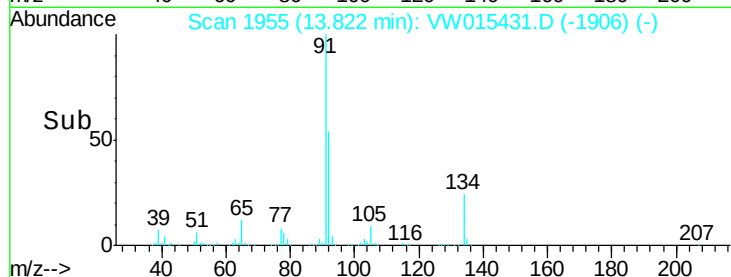
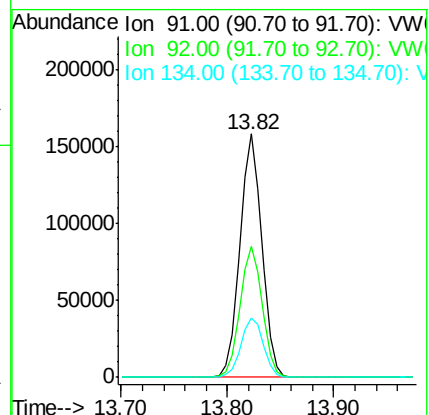
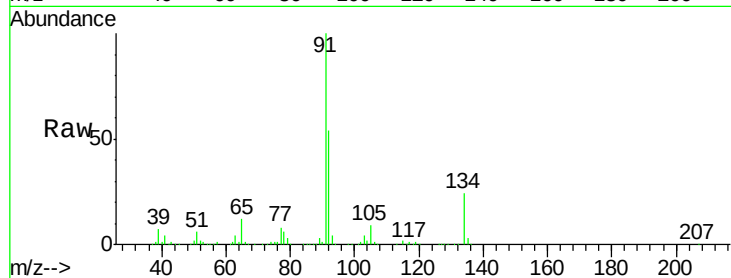
Tot Ion: 91 Resp: 229215

Ion Ratio Lower Upper

91 100

92 54.1 27.2 81.6

134 25.1 12.6 37.6



#90

Hexachloroethane

Concen: 20.586 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. -0.00 min

Lab File: VW015431.D

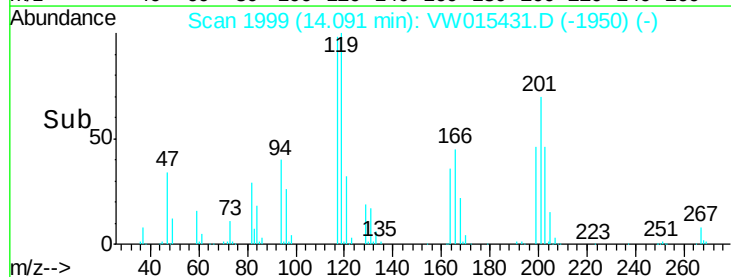
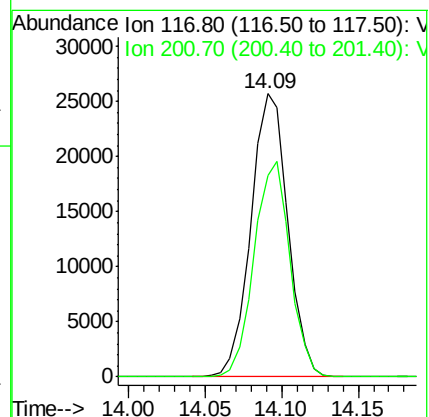
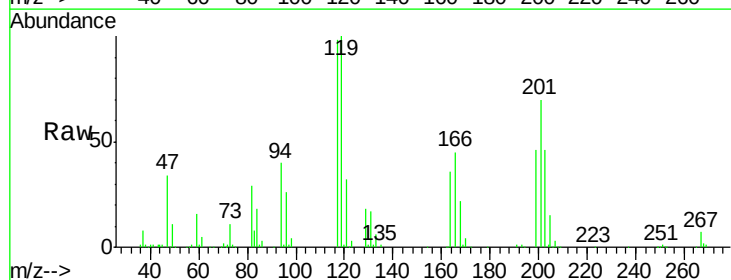
Acq: 15 May 2020 13:58

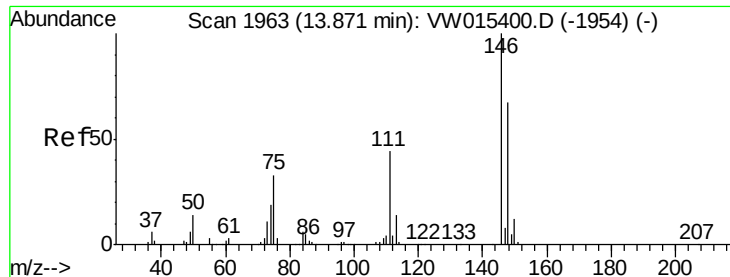
Tgt Ion: 117 Resp: 43091

Ion Ratio Lower Upper

117 100

201 74.0 35.9 107.8

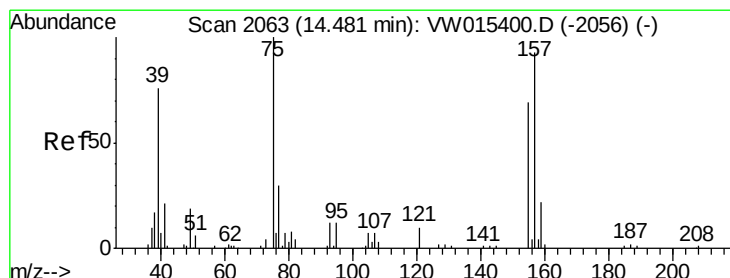
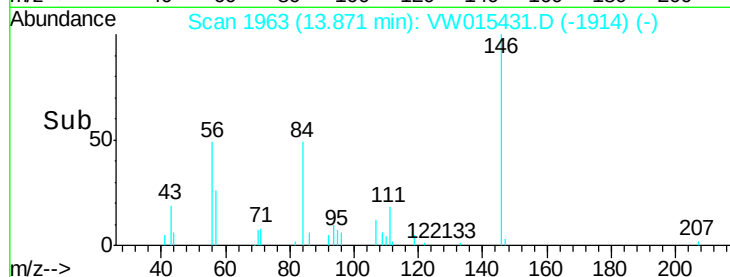
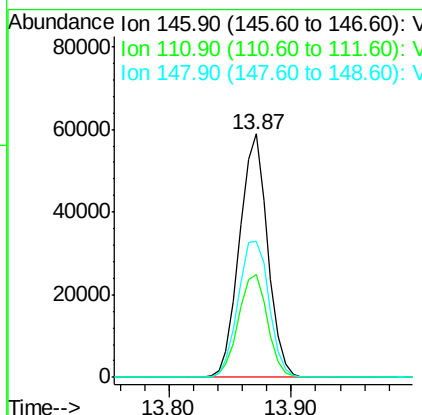
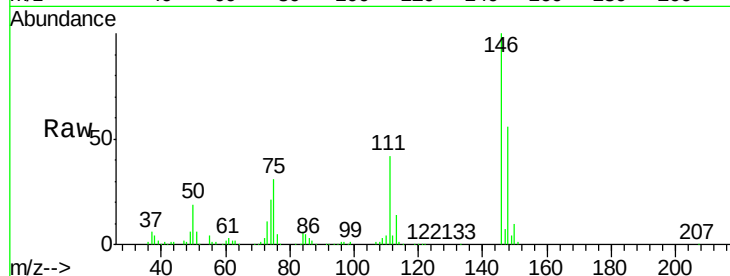




#91
 1,2-Dichlorobenzene
 Concen: 20.884 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW015431.D
 Acq: 15 May 2020 13:58

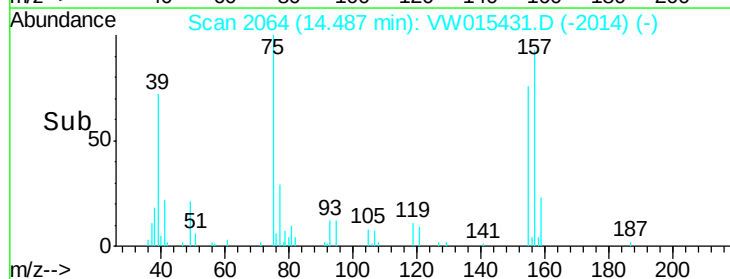
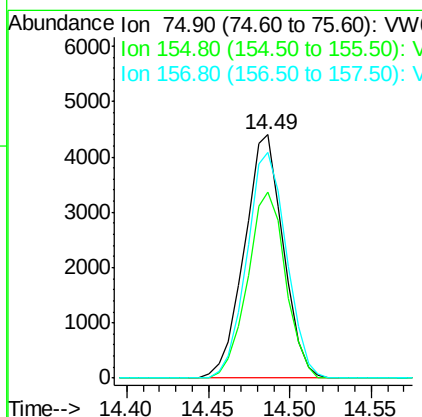
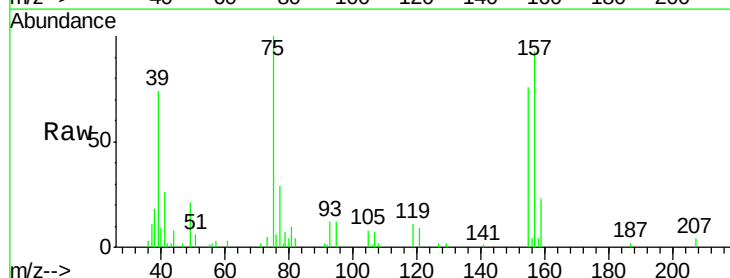
Instrument :
 MSVOA_W
 ClientSampleId :

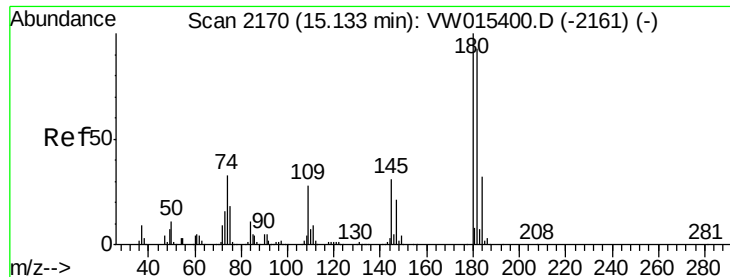
Tot Ion:146 Resp: 93876
 Ion Ratio Lower Upper
 146 100
 111 43.5 22.1 66.3
 148 61.6 32.5 97.4



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.681 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.01 min
 Lab File: VW015431.D
 Acq: 15 May 2020 13:58

Tgt Ion: 75 Resp: 7282
 Ion Ratio Lower Upper
 75 100
 155 74.6 38.7 116.1
 157 94.3 48.1 144.4

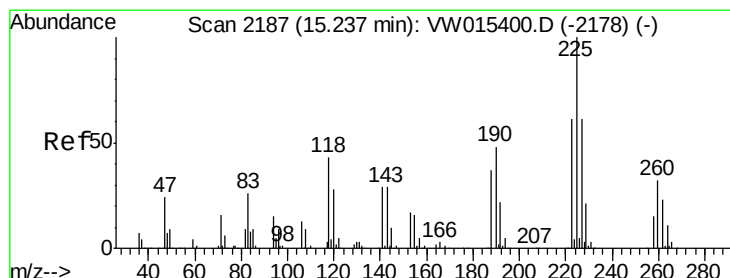
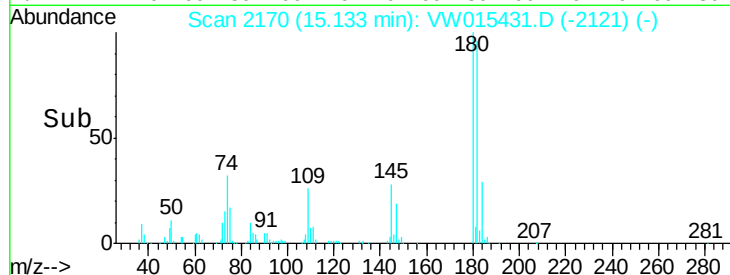
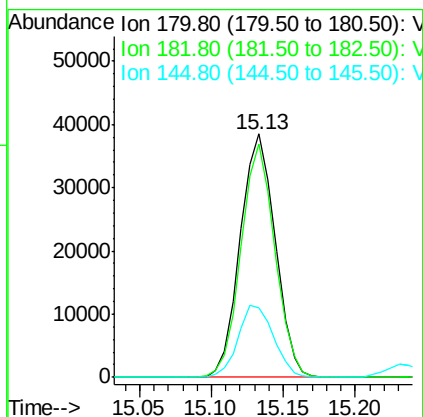
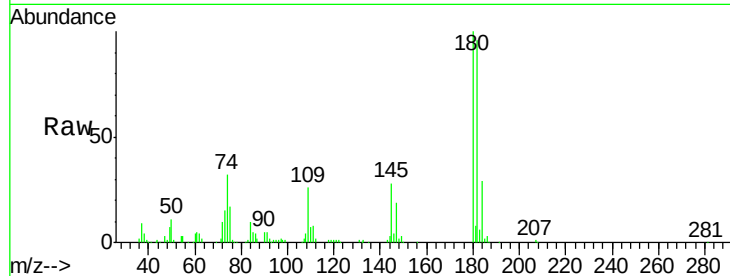




#93
 1,2,4-Trichlorobenzene
 Concen: 21.494 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW015431.D
 Acq: 15 May 2020 13:58

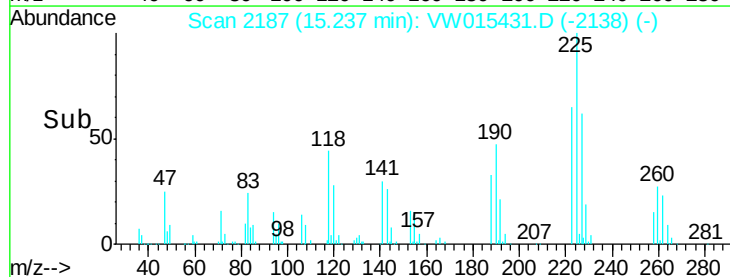
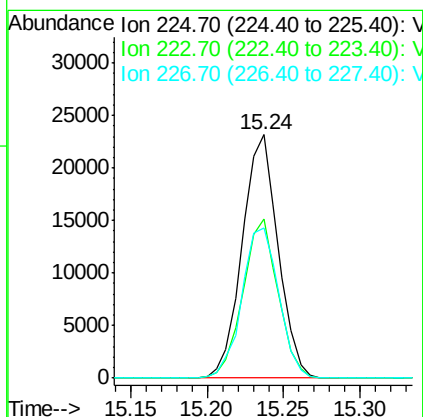
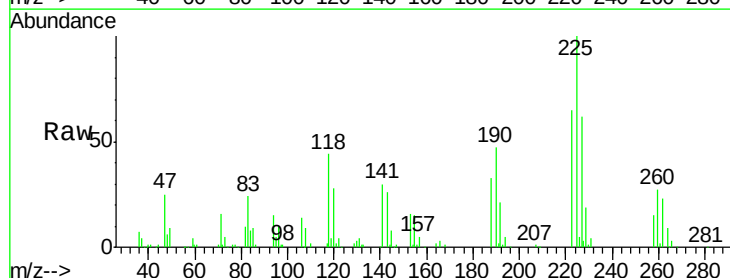
Instrument :
 MSVOA_W
 ClientSampled :

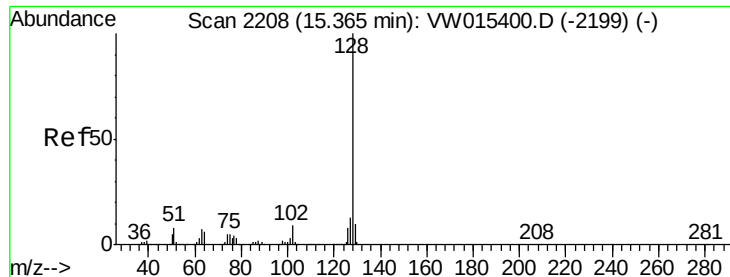
Tot Ion:180 Resp: 64937
 Ion Ratio Lower Upper
 180 100
 182 92.3 47.2 141.6
 145 30.0 15.6 46.8



#94
 Hexachlorobutadiene
 Concen: 21.084 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW015431.D
 Acq: 15 May 2020 13:58

Tgt Ion:225 Resp: 37747
 Ion Ratio Lower Upper
 225 100
 223 63.9 30.7 92.1
 227 63.7 32.0 96.0

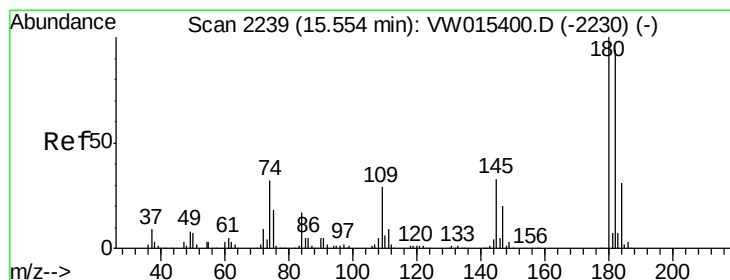
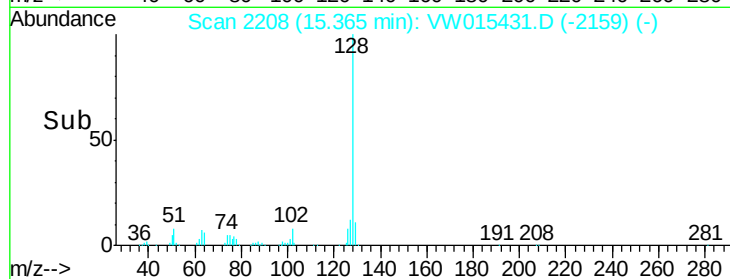
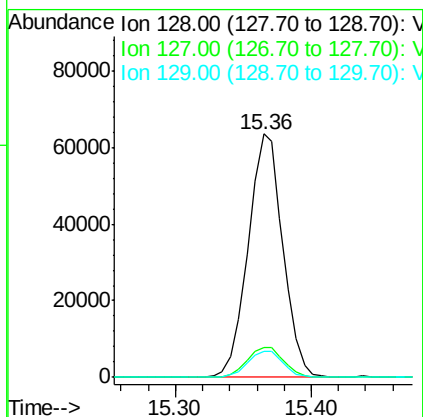
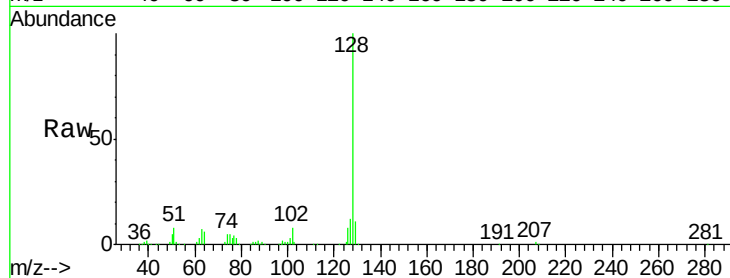




#95
Naphthalene
Concen: 20.980 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.00 min
Lab File: VW015431.D
Acq: 15 May 2020 13:58

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:128 Resp: 113535
Ion Ratio Lower Upper
128 100
127 13.2 10.5 15.7
129 11.0 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 20.471 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VW015431.D
Acq: 15 May 2020 13:58

Tgt Ion:180 Resp: 53141
Ion Ratio Lower Upper
180 100
182 94.8 47.6 142.8
145 33.4 16.3 48.8

