

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW042120\
 Data File : VW015278.D
 Acq On : 21 Apr 2020 22:59
 Operator : SY/VA
 Sample : VW0421SBS02
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Apr 22 06:03:19 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W042020S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 21 06:39:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	215416	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	318600	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	293584	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	161687	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	95021	53.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.88%	
35) Dibromofluoromethane	7.88	113	93935	53.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.46%	
50) Toluene-d8	10.32	98	358971	48.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.70%	
62) 4-Bromofluorobenzene	12.62	95	134815	47.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.18%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	32191	18.923	ug/l	96
3) Chloromethane	2.21	50	35880	19.369	ug/l	100
4) Vinyl Chloride	2.36	62	42023	19.210	ug/l	97
5) Bromomethane	2.76	94	36600	23.531	ug/l	96
6) Chloroethane	2.92	64	26273	19.362	ug/l	98
7) Trichlorofluoromethane	3.26	101	60643	19.591	ug/l	97
8) Diethyl Ether	3.68	74	18546	21.345	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	4.06	101	37403	19.594	ug/l	92
10) Methyl Iodide	4.28	142	33668	16.792	ug/l	97
11) Tert butyl alcohol	5.18	59	15879	110.581	ug/l	100
12) 1,1-Dichloroethene	4.04	96	36318	19.766	ug/l	90
13) Acrolein	3.90	56	10551	140.385	ug/l	97
14) Allyl chloride	4.67	41	45994	18.869	ug/l #	83
15) Acrylonitrile	5.37	53	33443	101.143	ug/l	99
16) Acetone	4.14	43	24641	80.087	ug/l	97
17) Carbon Disulfide	4.39	76	103768	19.004	ug/l	99
18) Methyl Acetate	4.67	43	17059	20.946	ug/l	95
19) Methyl tert-butyl Ether	5.43	73	90772	21.521	ug/l	94
20) Methylene Chloride	4.92	84	39790	19.733	ug/l	91
21) trans-1,2-Dichloroethene	5.43	96	42960	20.616	ug/l	90
22) Diisopropyl ether	6.32	45	96444	20.625	ug/l #	93
23) Vinyl Acetate	6.26	43	287381	104.729	ug/l	95
24) 1,1-Dichloroethane	6.22	63	66136	20.408	ug/l	97
25) 2-Butanone	7.17	43	38936	95.383	ug/l #	88
26) 2,2-Dichloropropane	7.17	77	63626	18.662	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	46919	20.856	ug/l	97
28) Bromochloromethane	7.51	49	24756	21.010	ug/l #	74
29) Tetrahydrofuran	7.53	42	26727	105.092	ug/l	90
30) Chloroform	7.68	83	74382	21.266	ug/l	100
31) Cyclohexane	7.96	56	62053	19.049	ug/l	88
32) 1,1,1-Trichloroethane	7.87	97	68484	20.287	ug/l	99
36) 1,1-Dichloropropene	8.09	75	56334	19.591	ug/l	97
37) Ethyl Acetate	7.26	43	19176	20.548	ug/l #	96
38) Carbon Tetrachloride	8.07	117	61118	19.449	ug/l	93

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	70248	18.354	ug/l	95
40) Benzene	8.32	78	155040	20.184	ug/l	96
41) Methacrylonitrile	7.49	41	10386	18.548	ug/l #	83
42) 1,2-Dichloroethane	8.40	62	46341	20.493	ug/l	99
43) Isopropyl Acetate	8.43	43	38827	19.837	ug/l	94
44) Trichloroethene	9.09	130	49329	20.995	ug/l	98
45) 1,2-Dichloropropane	9.37	63	36995	20.710	ug/l	98
46) Dibromomethane	9.46	93	21603	20.907	ug/l #	84
47) Bromodichloromethane	9.65	83	57032	20.647	ug/l	97
48) Methyl methacrylate	9.44	41	17298	18.695	ug/l #	80
49) 1,4-Dioxane	9.45	88	5284	383.588	ug/l	93
51) 4-Methyl-2-Pentanone	10.21	43	91236	99.297	ug/l	96
52) Toluene	10.39	92	102977	19.155	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	53729	19.726	ug/l	97
54) cis-1,3-Dichloropropene	10.07	75	64384	20.337	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	30583	21.137	ug/l	98
56) Ethyl methacrylate	10.65	69	35764	19.187	ug/l	93
57) 1,3-Dichloropropane	10.93	76	49657	20.718	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	90337	104.536	ug/l #	88
59) 2-Hexanone	10.97	43	60850	92.775	ug/l	96
60) Dibromochloromethane	11.13	129	40156	21.020	ug/l	100
61) 1,2-Dibromoethane	11.23	107	29572	20.946	ug/l	99
64) Tetrachloroethene	10.87	164	43038	20.540	ug/l #	89
65) Chlorobenzene	11.66	112	116920	20.295	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	44741	21.608	ug/l	98
67) Ethyl Benzene	11.73	91	206447	19.216	ug/l	99
68) m/p-Xylenes	11.84	106	164712	39.113	ug/l	98
69) o-Xylene	12.16	106	77186	19.637	ug/l	100
70) Styrene	12.18	104	131946	19.693	ug/l	99
71) Bromoform	12.35	173	24453	20.960	ug/l #	97
73) Isopropylbenzene	12.46	105	210039	18.736	ug/l	99
74) N-amyl acetate	12.27	43	36922	18.931	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.71	83	31907	20.046	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	41315	33.030	ug/l #	100
77) Bromobenzene	12.74	156	50672	19.674	ug/l	83
78) n-propylbenzene	12.80	91	242780	18.600	ug/l	96
79) 2-Chlorotoluene	12.89	91	139956	19.026	ug/l	97
80) 1,3,5-Trimethylbenzene	12.94	105	184453	19.101	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	10303	18.006	ug/l	91
82) 4-Chlorotoluene	12.99	91	147269	18.856	ug/l	97
83) tert-Butylbenzene	13.21	119	159534	18.901	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	182379	19.148	ug/l	99
85) sec-Butylbenzene	13.38	105	217379	18.649	ug/l	98
86) p-Isopropyltoluene	13.50	119	204992	18.926	ug/l	98
87) 1,3-Dichlorobenzene	13.50	146	99661	19.475	ug/l	97
88) 1,4-Dichlorobenzene	13.58	146	98523	19.640	ug/l	97
89) n-Butylbenzene	13.82	91	175842	17.762	ug/l	97
90) Hexachloroethane	14.09	117	37949	19.105	ug/l	75
91) 1,2-Dichlorobenzene	13.87	146	88600	19.924	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	14.49	75	5409	18.778	ug/l	88

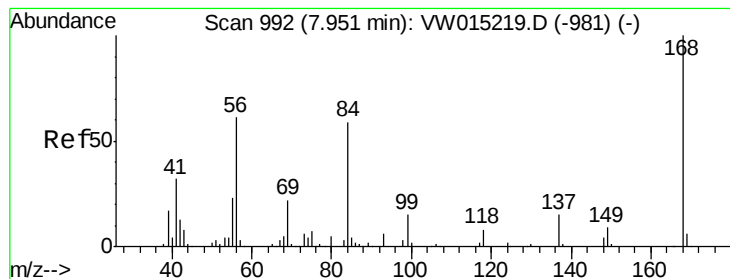
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	59037	19.100	ug/l	95
94) Hexachlorobutadiene	15.23	225	38287	18.579	ug/l	97
95) Naphthalene	15.36	128	93695	18.844	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	48205	19.168	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW015278.D

Acq: 21 Apr 2020 22:59

Instrument :

MSVOA_W

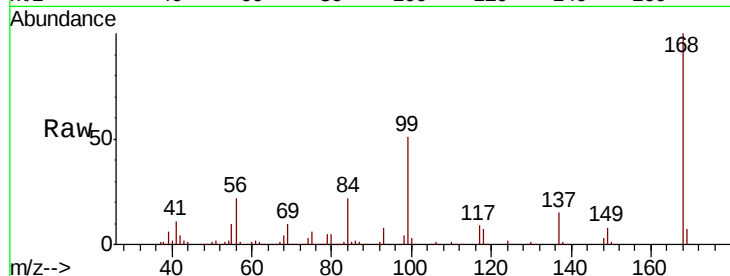
ClientSampled :

Tot Ion:168 Resp: 215416

Ion Ratio Lower Upper

168 100

99 51.2 48.5 72.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

60000

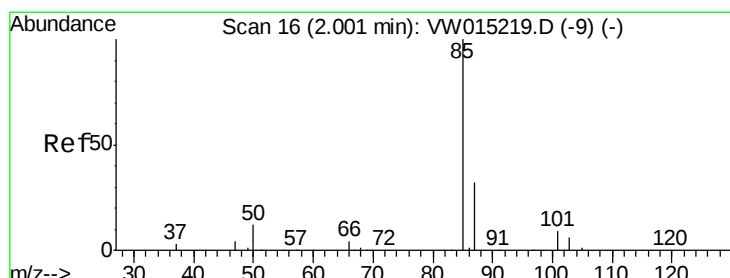
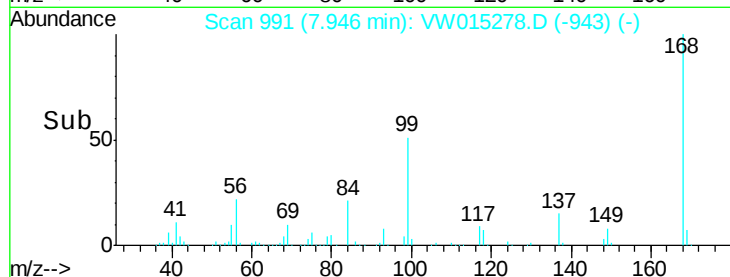
40000

20000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 18.923 ug/l

RT: 2.00 min Scan# 16

Delta R.T. 0.00 min

Lab File: VW015278.D

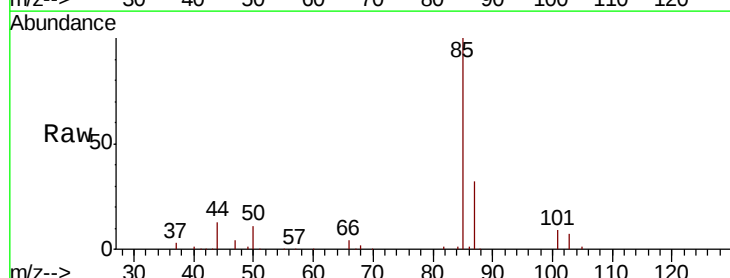
Acq: 21 Apr 2020 22:59

Tgt Ion: 85 Resp: 32191

Ion Ratio Lower Upper

85 100

87 32.3 17.2 51.6



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

25000

20000

15000

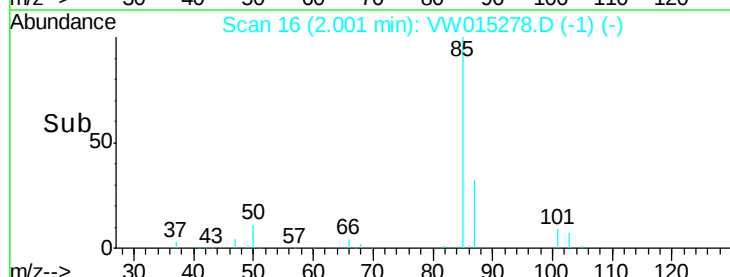
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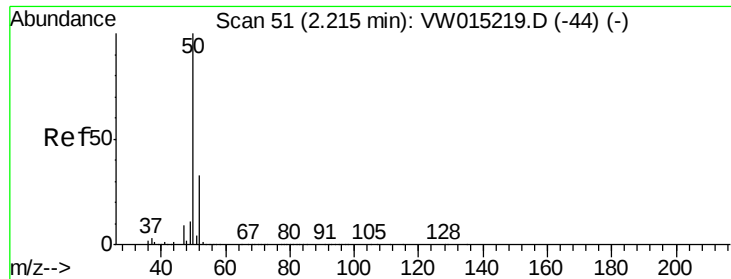
5000

0

1.95 2.00 2.05 2.10

Time-->





#3

Chloromethane

Concen: 19.369 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW015278.D

Acq: 21 Apr 2020 22:59

Instrument :

MSVOA_W

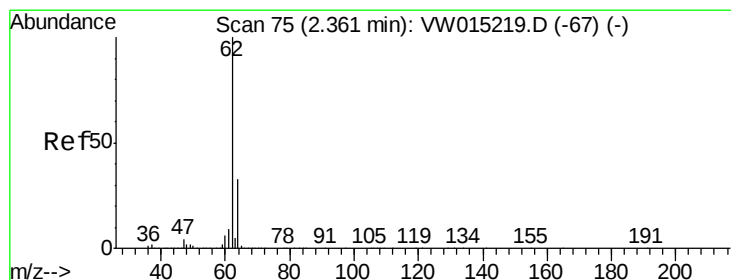
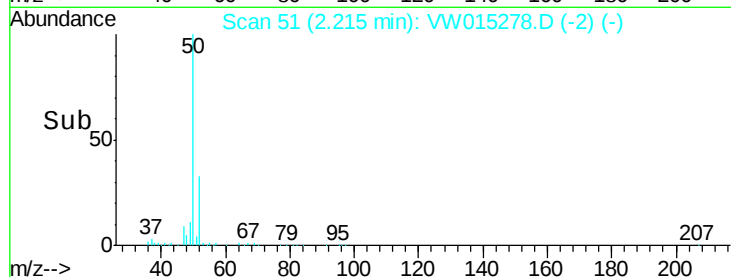
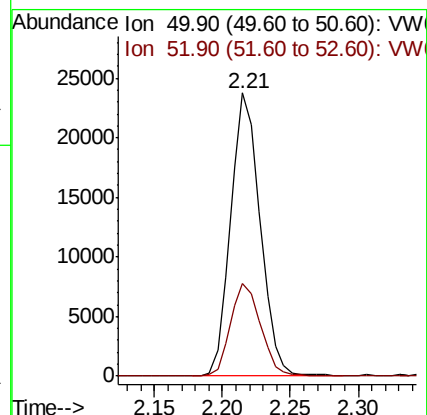
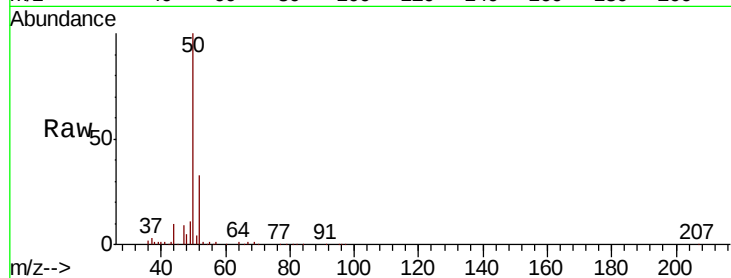
ClientSampled :

Tot Ion: 50 Resp: 35880

Ion Ratio Lower Upper

50 100

52 32.8 26.5 39.7



#4

Vinyl Chloride

Concen: 19.210 ug/l

RT: 2.36 min Scan# 75

Delta R.T. 0.00 min

Lab File: VW015278.D

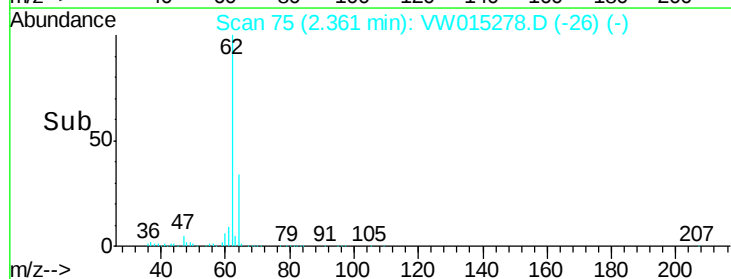
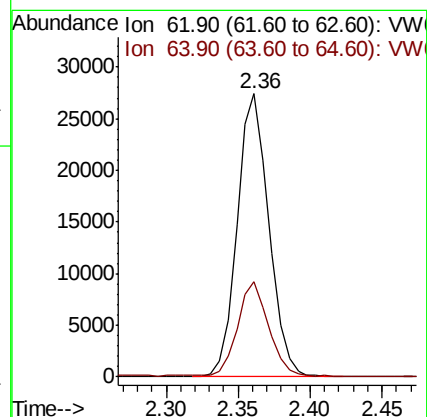
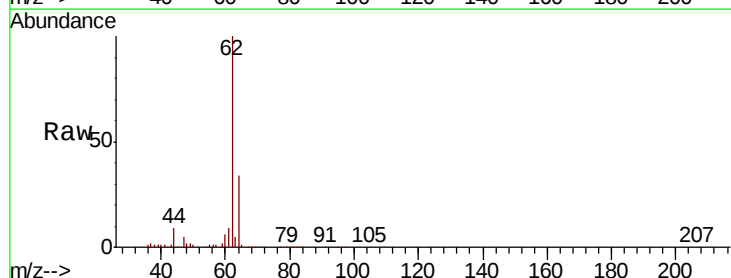
Acq: 21 Apr 2020 22:59

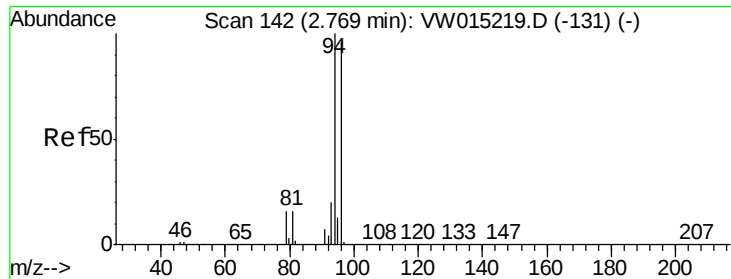
Tgt Ion: 62 Resp: 42023

Ion Ratio Lower Upper

62 100

64 33.2 25.4 38.2





#5

Bromomethane

Concen: 23.531 ug/l

RT: 2.76 min Scan# 140

Delta R.T. -0.01 min

Lab File: VW015278.D

Acq: 21 Apr 2020 22:59

Instrument :

MSVOA_W

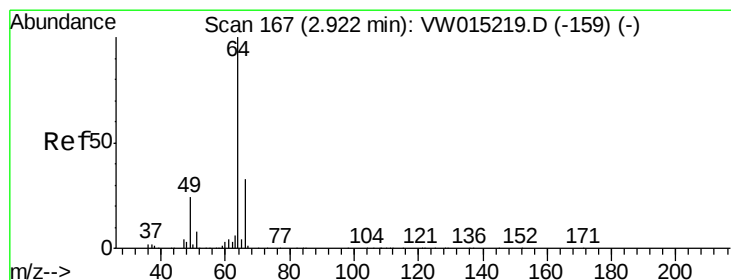
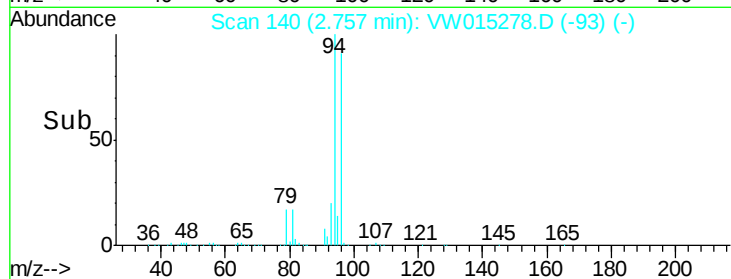
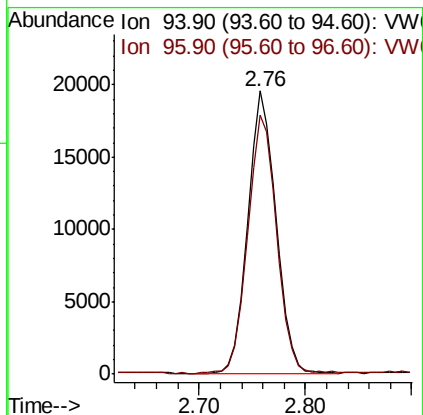
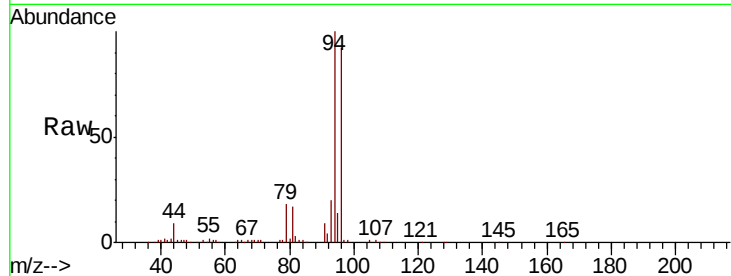
ClientSampleId :

Tot Ion: 94 Resp: 36600

Ion Ratio Lower Upper

94 100

96 91.7 70.4 105.6



#6

Chloroethane

Concen: 19.362 ug/l

RT: 2.92 min Scan# 166

Delta R.T. -0.01 min

Lab File: VW015278.D

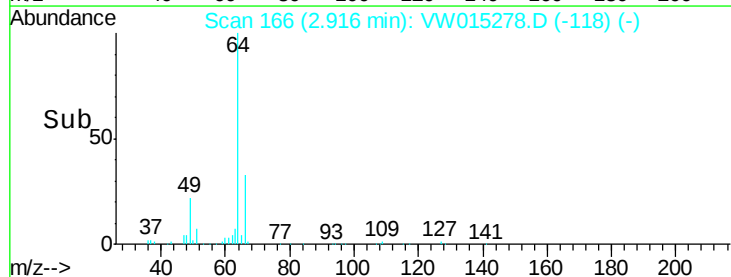
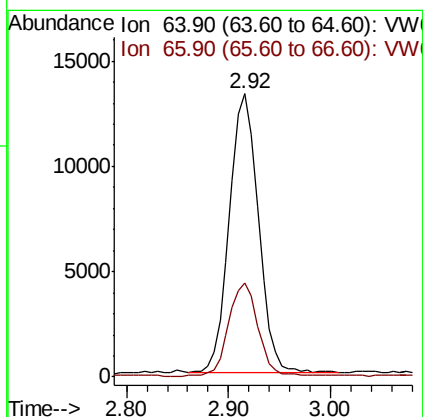
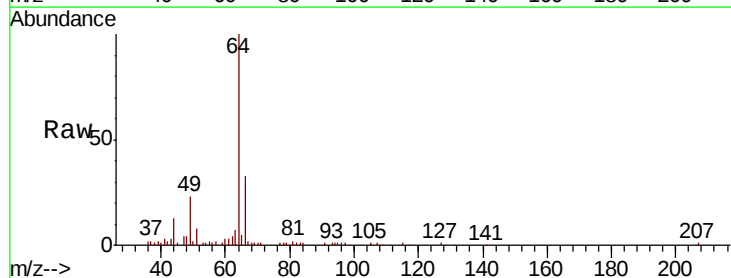
Acq: 21 Apr 2020 22:59

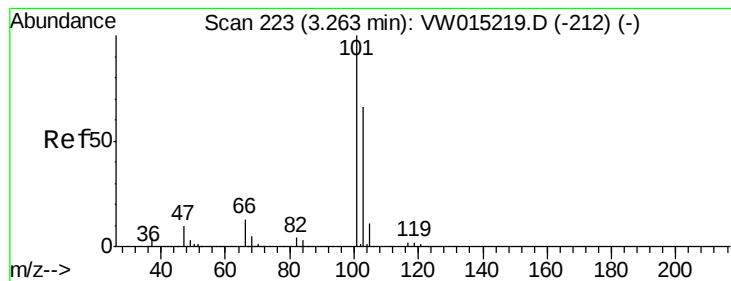
Tgt Ion: 64 Resp: 26273

Ion Ratio Lower Upper

64 100

66 33.1 25.8 38.6



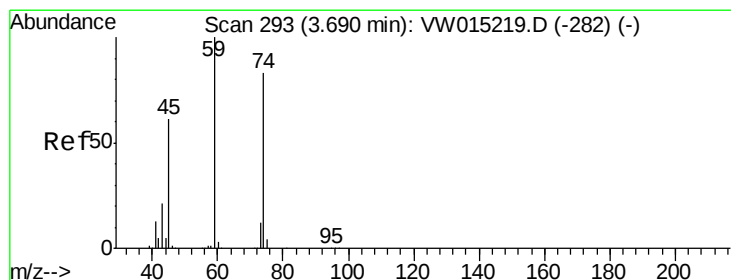
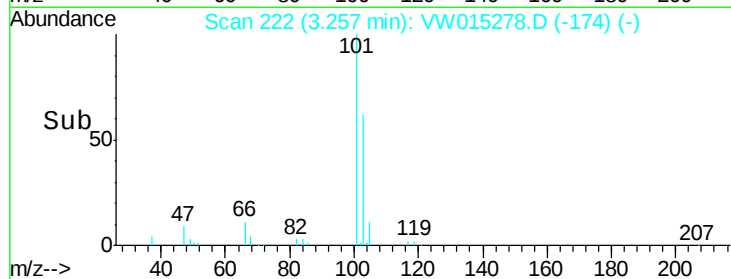
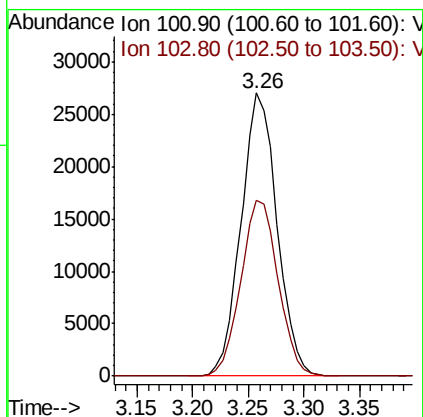
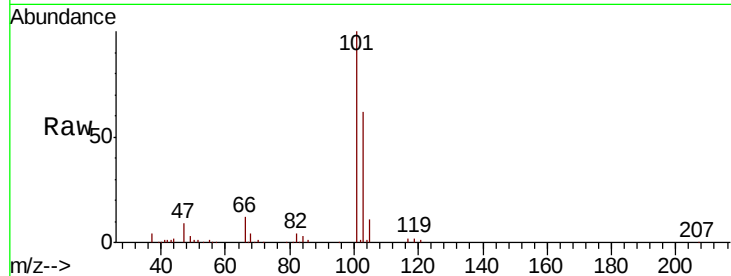


#7

Trichlorofluoromethane
 Concen: 19.591 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. -0.01 min
 Lab File: VW015278.D
 Acq: 21 Apr 2020 22:59

Instrument :
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 ClientSampleId :

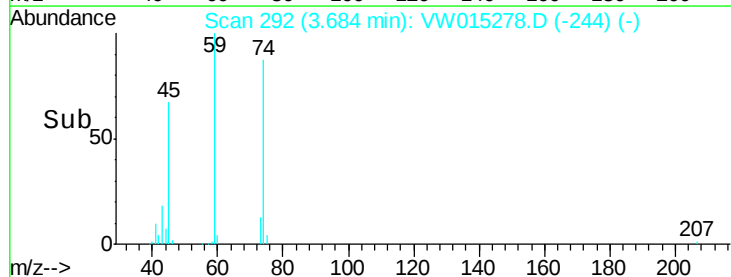
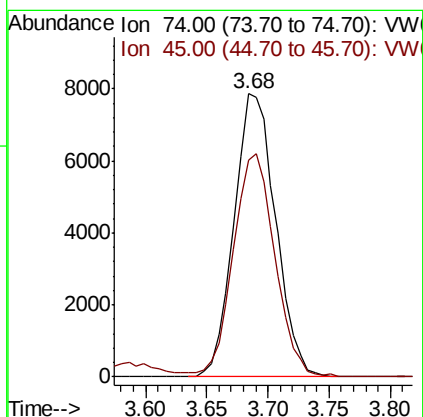
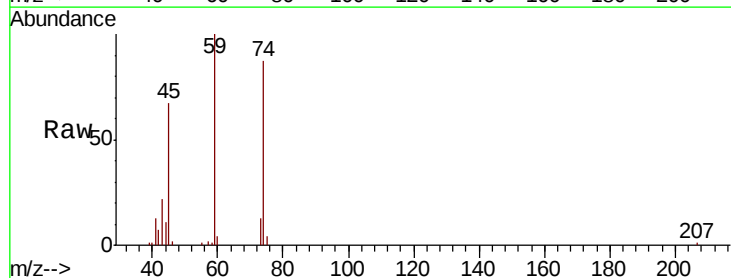
Tot Ion:101 Resp: 60643
 Ion Ratio Lower Upper
 101 100
 103 62.0 51.3 76.9

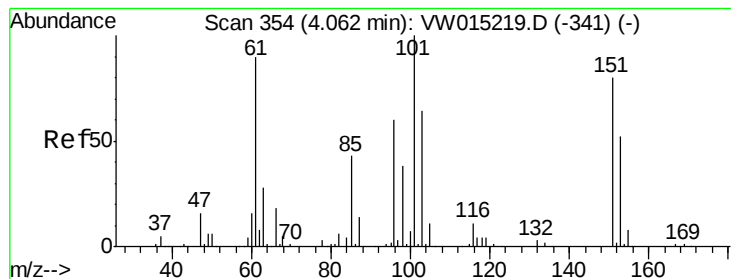


#8

Diethyl Ether
 Concen: 21.345 ug/l
 RT: 3.68 min Scan# 292
 Delta R.T. -0.01 min
 Lab File: VW015278.D
 Acq: 21 Apr 2020 22:59

Tgt Ion: 74 Resp: 18546
 Ion Ratio Lower Upper
 74 100
 45 79.3 45.5 136.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.594 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

Lab File: VW015278.D

Acq: 21 Apr 2020 22:59

Instrument :

MSVOA_W

ClientSampleId :

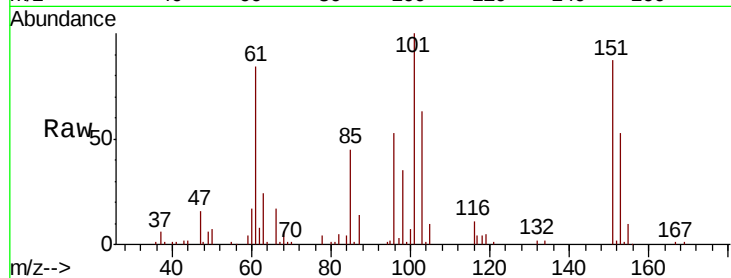
Tot Ion:101 Resp: 37403

Ion Ratio Lower Upper

101 100

85 44.1 35.3 52.9

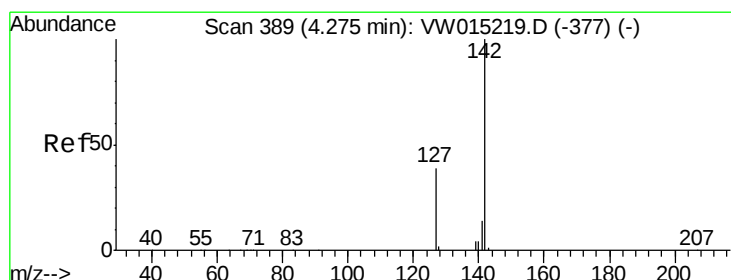
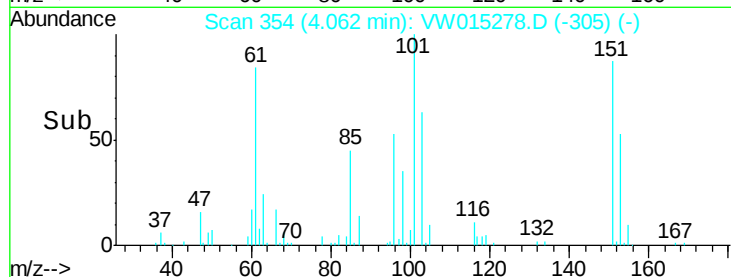
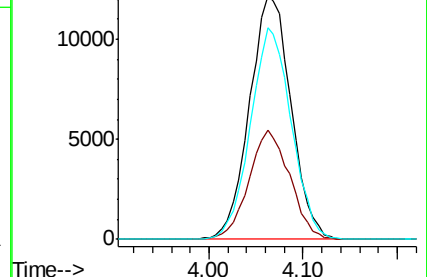
151 85.4 59.3 88.9



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 16.792 ug/l

RT: 4.28 min Scan# 389

Delta R.T. 0.00 min

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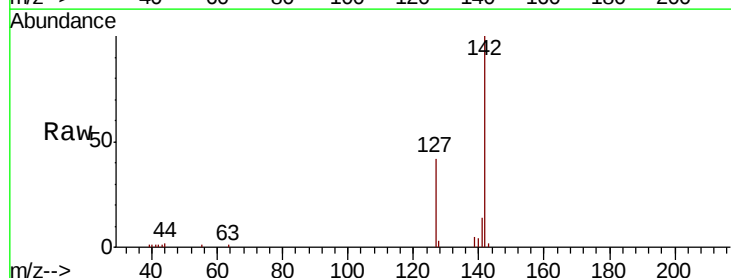
Tgt Ion:142 Resp: 33668

Ion Ratio Lower Upper

142 100

127 40.3 33.9 50.9

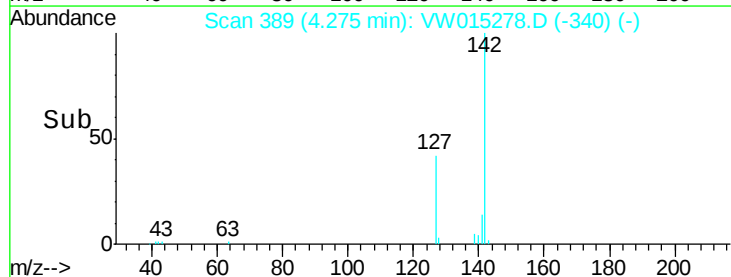
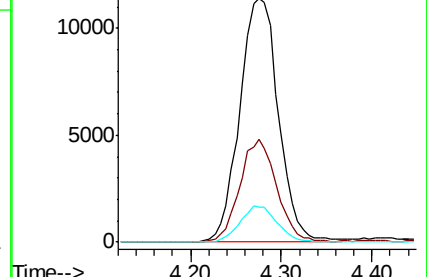
141 14.0 11.4 17.2

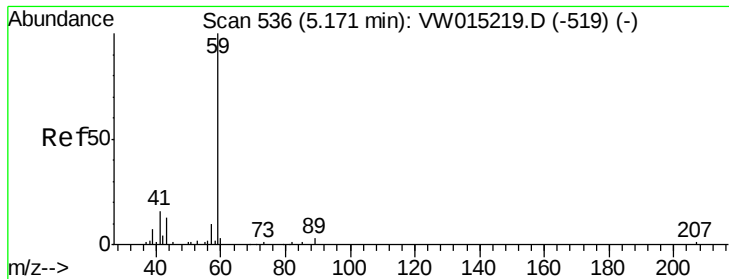


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



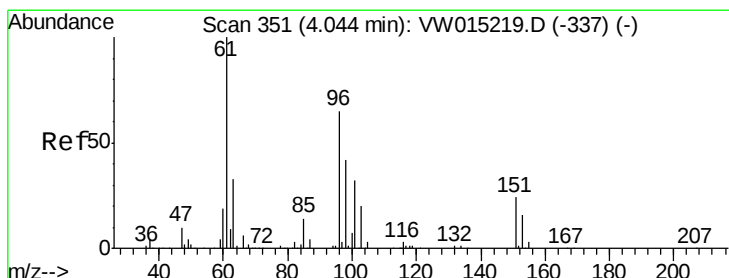
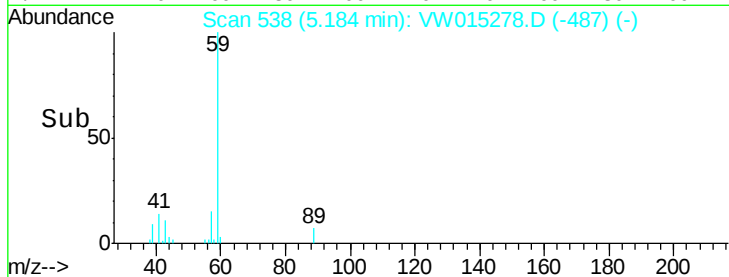
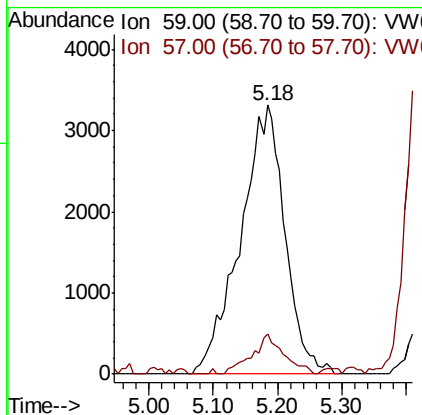
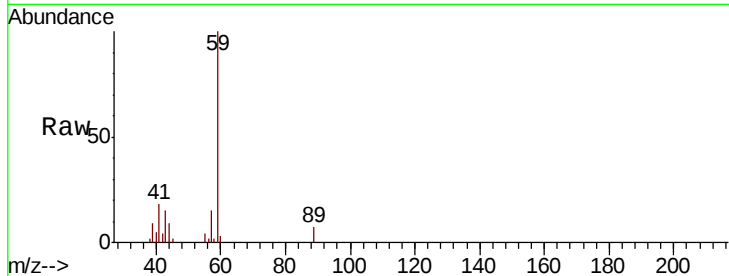


#11

Tert butyl alcohol
Concen: 110.581 ug/l
RT: 5.18 min Scan# 538
Delta R.T. 0.01 min
Lab File: VW015278.D
Acq: 21 Apr 2020 22:59

Instrument :
MSVOA_W
ClientSampleId :

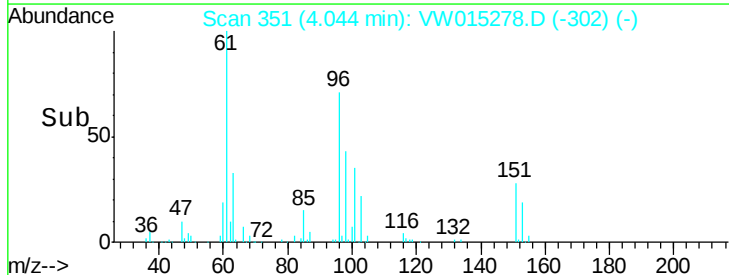
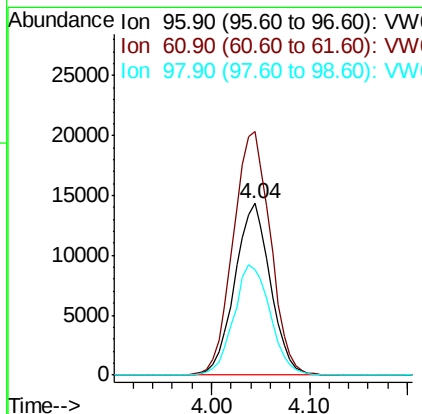
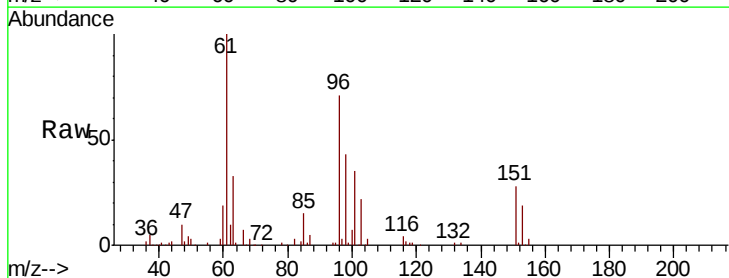
Tot Ion: 59 Resp: 15879
Ion Ratio Lower Upper
59 100
57 10.7 8.4 12.6

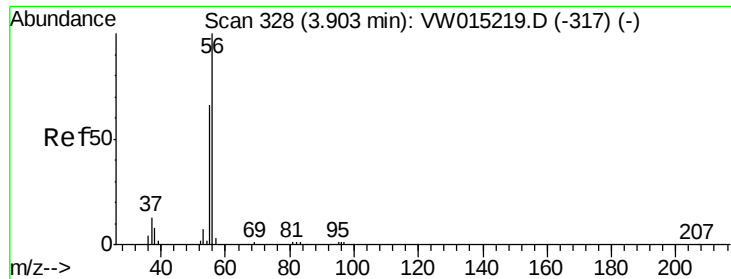


#12

1,1-Dichloroethene
Concen: 19.766 ug/l
RT: 4.04 min Scan# 351
Delta R.T. 0.00 min
Lab File: VW015278.D
Acq: 21 Apr 2020 22:59

Tgt Ion: 96 Resp: 36318
Ion Ratio Lower Upper
96 100
61 141.7 127.0 190.4
98 61.3 51.0 76.4

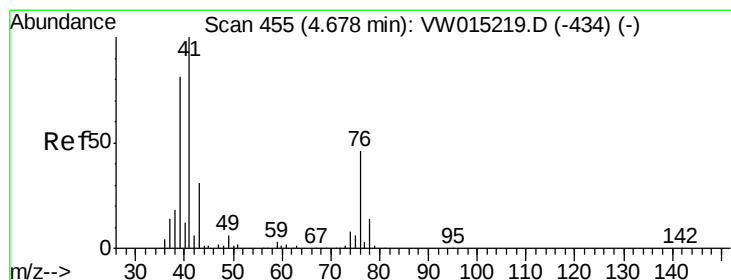
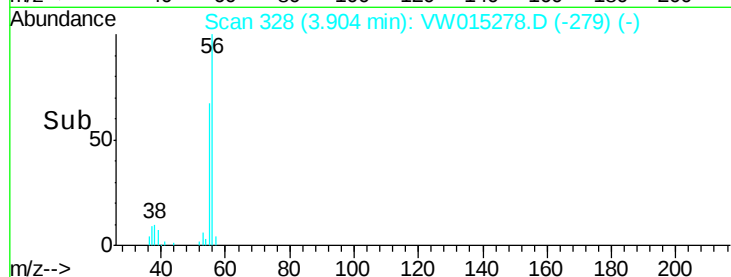
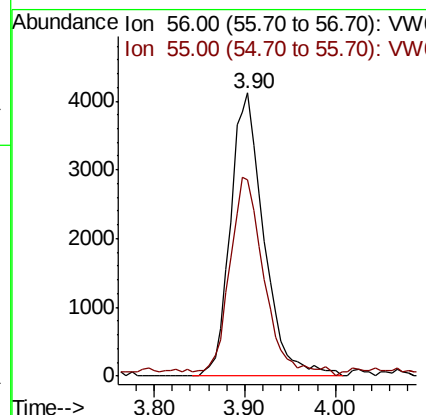
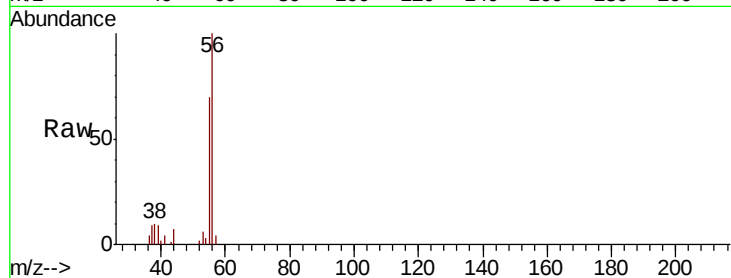




#13
Acrolein
Concen: 140.385 ug/l
RT: 3.90 min Scan# 328
Delta R.T. 0.00 min
Lab File: VW015278.D
Acq: 21 Apr 2020 22:59

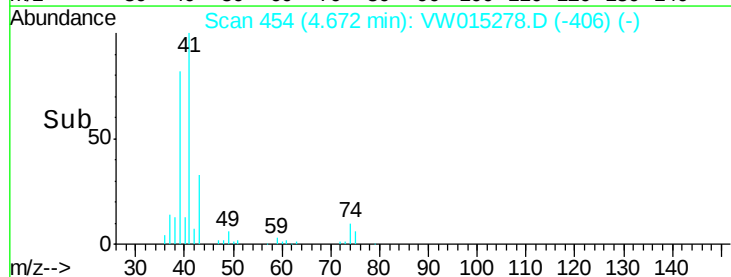
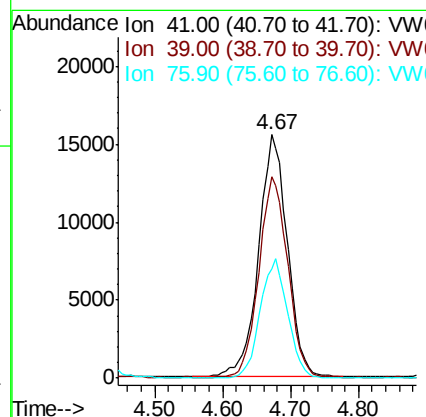
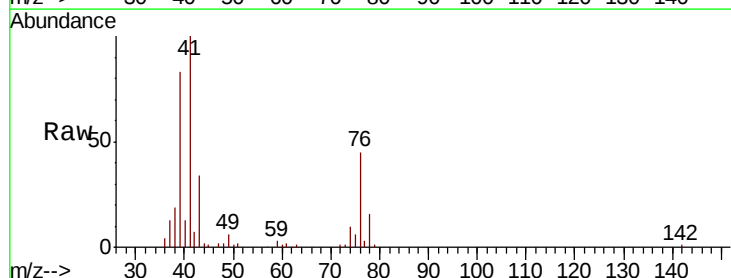
Instrument :
MSVOA_W
ClientSampleId :

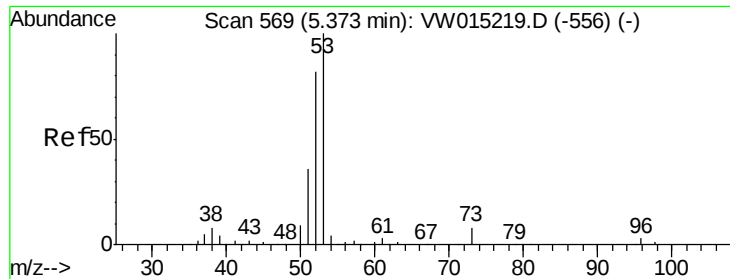
Tot Ion: 56 Resp: 10551
Ion Ratio Lower Upper
56 100
55 73.0 56.2 84.2



#14
Allyl chloride
Concen: 18.869 ug/l
RT: 4.67 min Scan# 454
Delta R.T. -0.01 min
Lab File: VW015278.D
Acq: 21 Apr 2020 22:59

Tgt Ion: 41 Resp: 45994
Ion Ratio Lower Upper
41 100
39 83.8 54.0 81.0#
76 46.9 31.8 47.6





#15

Acrylonitrile

Concen: 101.143 ug/l

RT: 5.37 min Scan# 569

Delta R.T. 0.00 min

Lab File: VW015278.D

Acq: 21 Apr 2020 22:59

Instrument :

MSVOA_W

ClientSampleId :

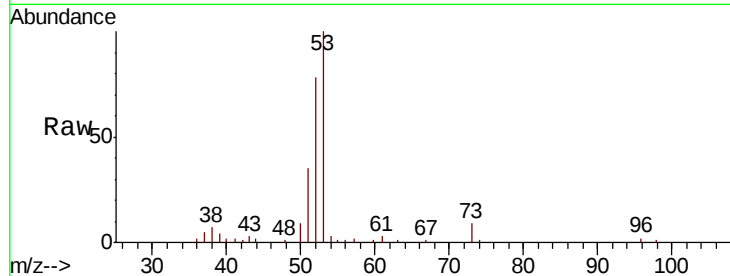
Tot Ion: 53 Resp: 33443

Ion Ratio Lower Upper

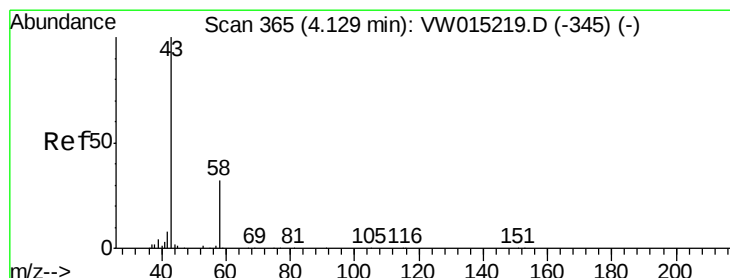
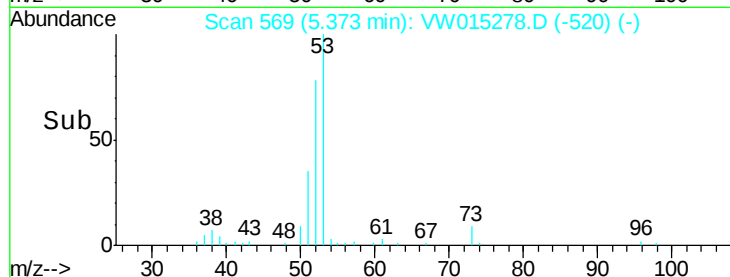
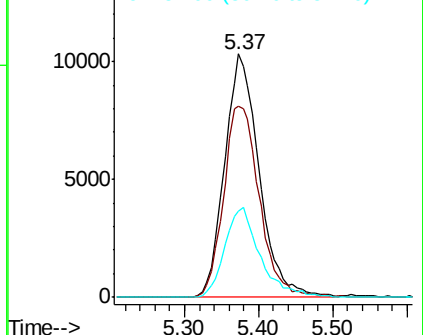
53 100

52 81.1 65.2 97.8

51 37.6 28.2 42.4



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



#16

Acetone

Concen: 80.087 ug/l

RT: 4.14 min Scan# 366

Delta R.T. 0.01 min

Lab File: VW015278.D

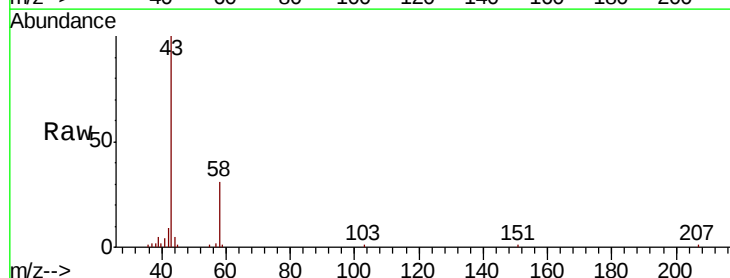
Acq: 21 Apr 2020 22:59

Tgt Ion: 43 Resp: 24641

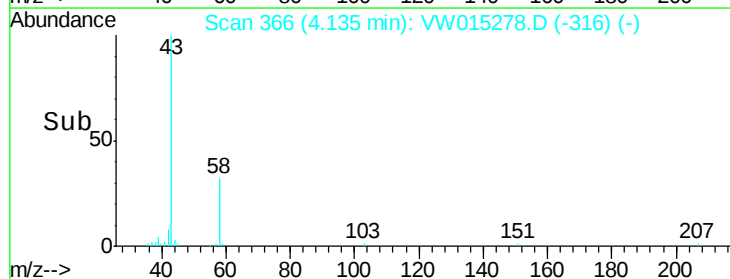
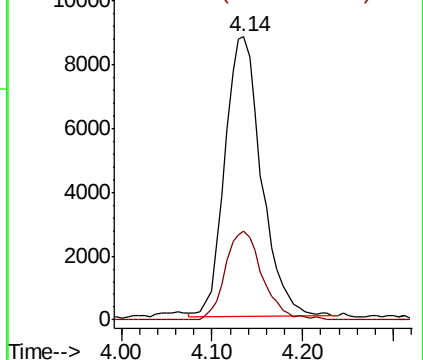
Ion Ratio Lower Upper

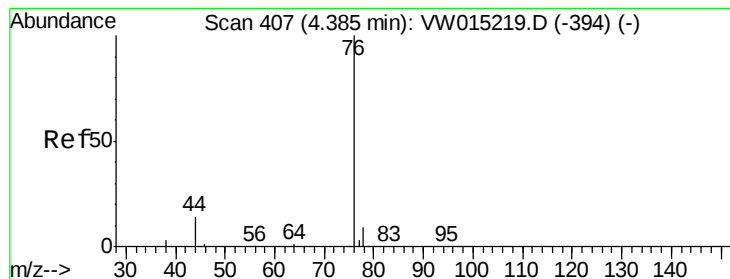
43 100

58 31.8 27.0 40.4



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





#17

Carbon Disulfide

Concen: 19.004 ug/l

RT: 4.39 min Scan# 407

Delta R.T. 0.00 min

Lab File: VW015278.D

Acq: 21 Apr 2020 22:59

Instrument :

MSVOA_W

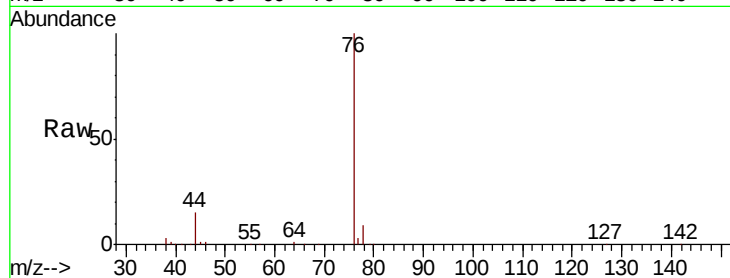
ClientSampleId :

Tot Ion: 76 Resp: 103768

Ion Ratio Lower Upper

76 100

78 9.1 7.0 10.6



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW

4.39

40000

30000

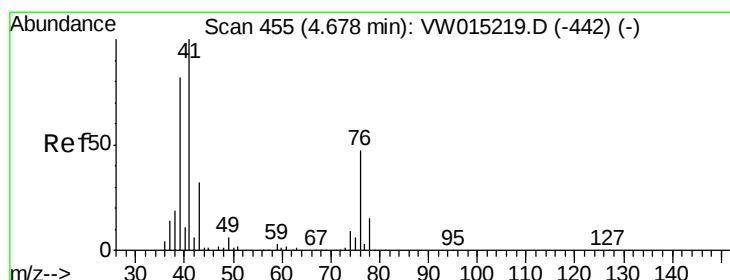
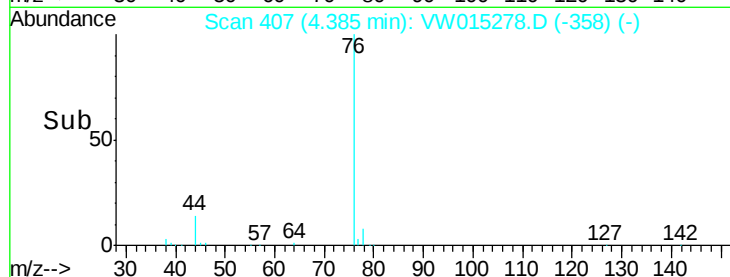
20000

10000

0

Time-->

4.30 4.40 4.50



#18

Methyl Acetate

Concen: 20.946 ug/l

RT: 4.67 min Scan# 454

Delta R.T. -0.01 min

Lab File: VW015278.D

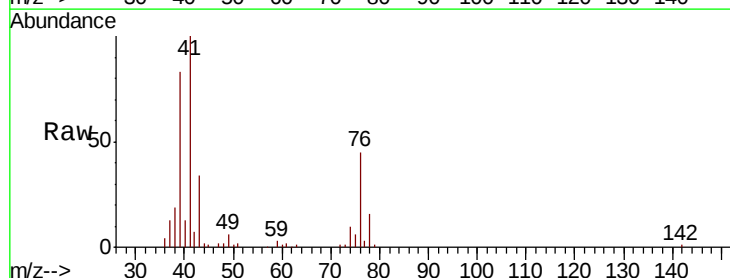
Acq: 21 Apr 2020 22:59

Tgt Ion: 43 Resp: 17059

Ion Ratio Lower Upper

43 100

74 28.5 20.6 31.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

4.67

6000

5000

4000

3000

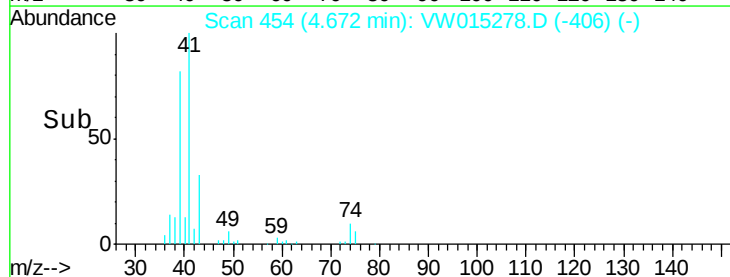
2000

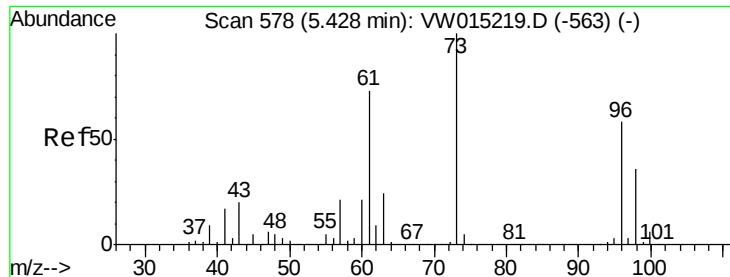
1000

0

Time-->

4.50 4.60 4.70 4.80

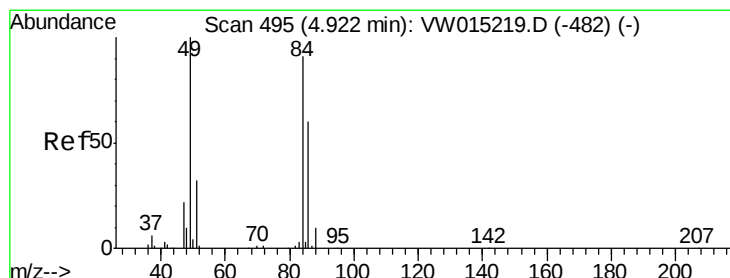
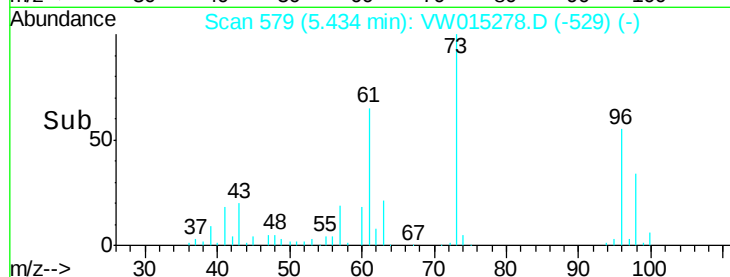
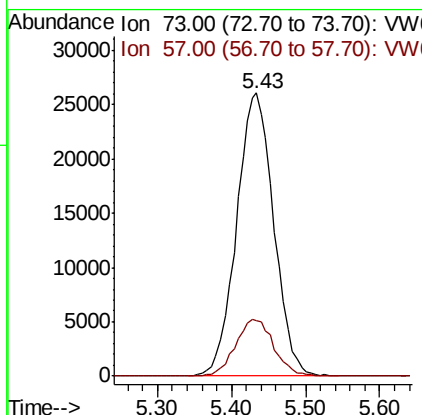
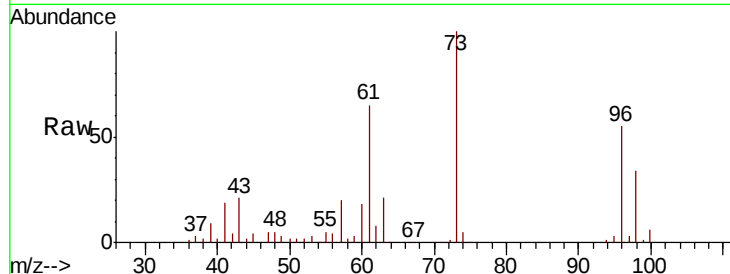




#19
Methvl tert-butvl Ether
Concen: 21.521 ug/l
RT: 5.43 min Scan# 579
Delta R.T. 0.01 min
Lab File: VW015278.D
Acq: 21 Apr 2020 22:59

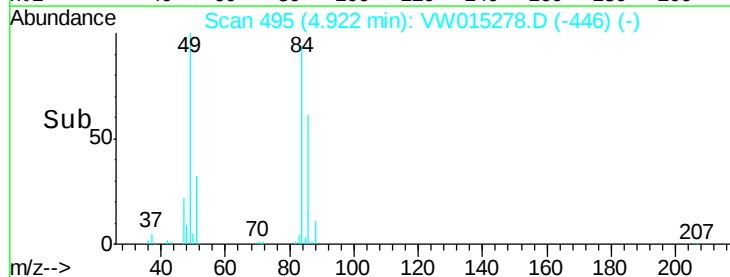
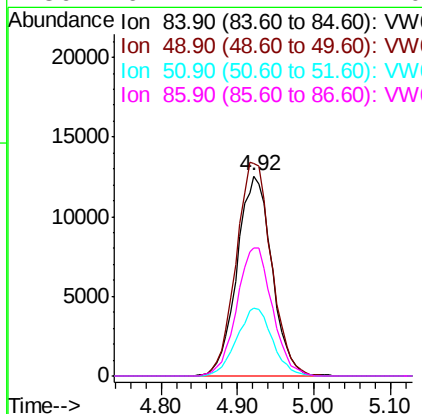
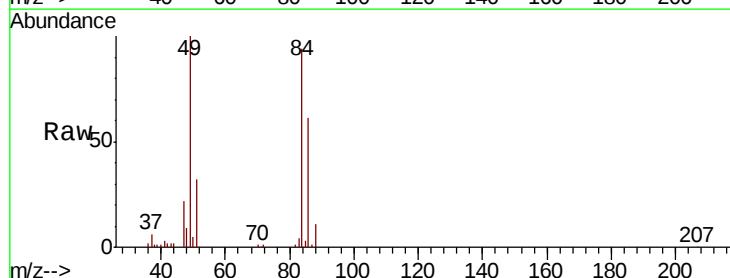
Instrument :
MSVOA_W
ClientSampled :

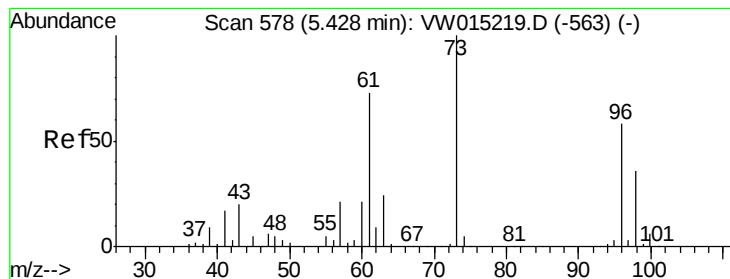
Tot Ion: 73 Resp: 90772
Ion Ratio Lower Upper
73 100
57 19.5 17.8 26.6



#20
Methylene Chloride
Concen: 19.733 ug/l
RT: 4.92 min Scan# 495
Delta R.T. 0.00 min
Lab File: VW015278.D
Acq: 21 Apr 2020 22:59

Tgt Ion: 84 Resp: 39790
Ion Ratio Lower Upper
84 100
49 106.1 95.4 143.0
51 33.7 29.8 44.8
86 64.2 47.4 71.0





#21

trans-1,2-Dichloroethene

Concen: 20.616 ug/l

RT: 5.43 min Scan# 579

Delta R.T. 0.01 min

Lab File: VW015278.D

Acq: 21 Apr 2020 22:59

Instrument :
MSVOA_W
ClientSampleId :

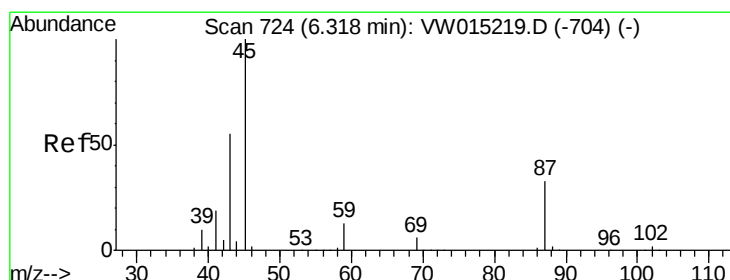
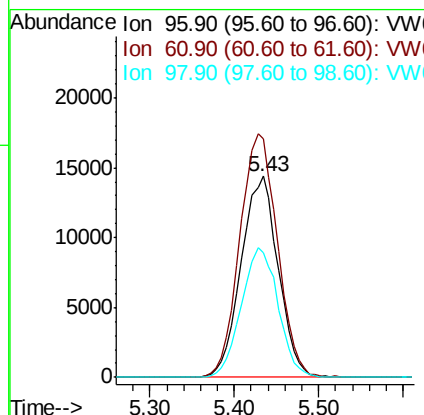
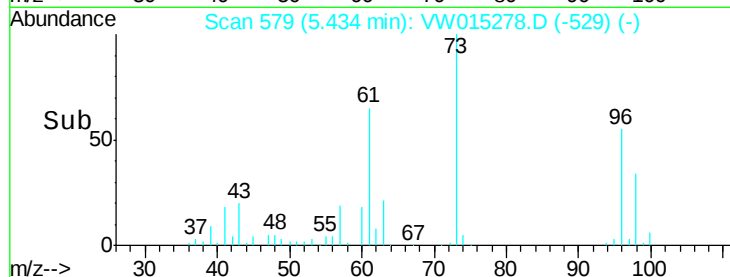
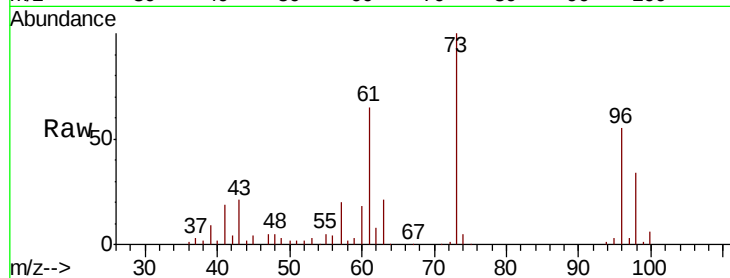
Tot Ion: 96 Resp: 42960

Ion Ratio Lower Upper

96 100

61 118.4 107.8 161.6

98 62.2 50.2 75.2



#22

Diisopropyl ether

Concen: 20.625 ug/l

RT: 6.32 min Scan# 724

Delta R.T. 0.00 min

Lab File: VW015278.D

Acq: 21 Apr 2020 22:59

Tgt Ion: 45 Resp: 96444

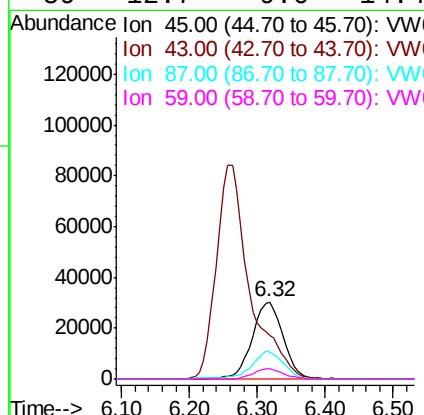
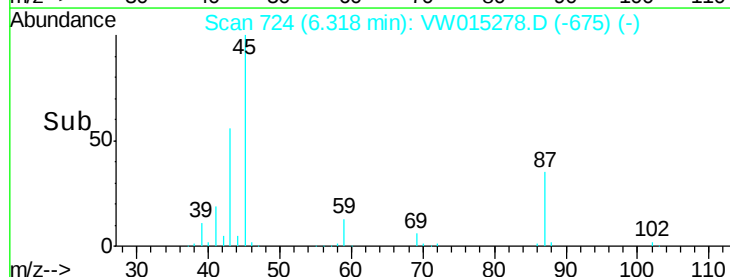
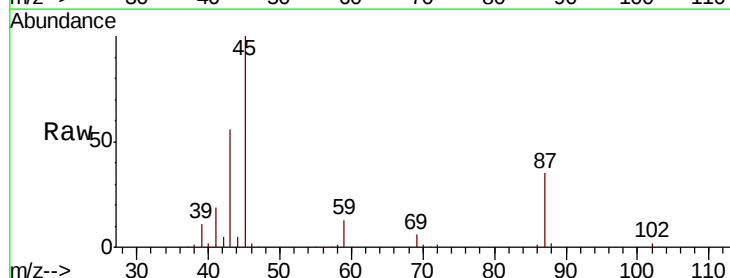
Ion Ratio Lower Upper

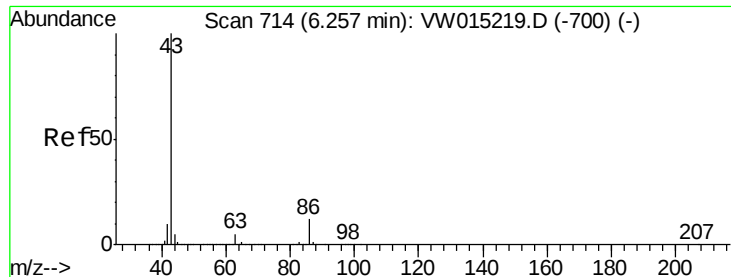
45 100

43 55.8 41.8 62.6

87 34.8 23.2 34.8#

59 12.7 9.6 14.4





#23

Vinyl Acetate

Concen: 104.729 ug/l

RT: 6.26 min Scan# 714

Delta R.T. 0.00 min

Lab File: VW015278.D

Acq: 21 Apr 2020 22:59

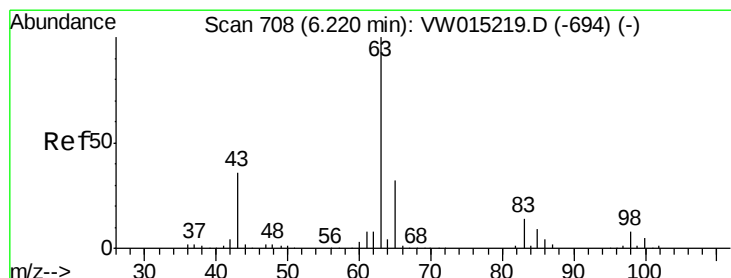
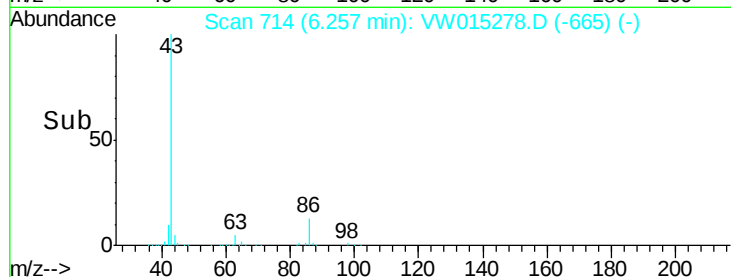
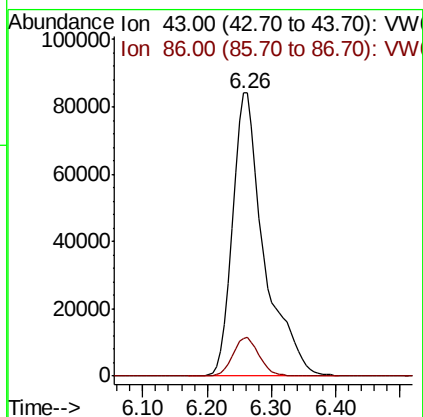
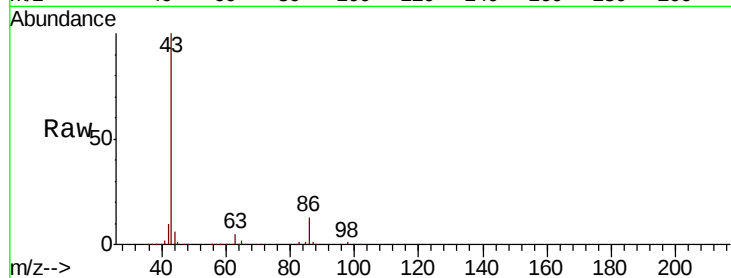
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 287381

Ion Ratio Lower Upper

43 100

86 13.2 9.1 13.7



#24

1,1-Dichloroethane

Concen: 20.408 ug/l

RT: 6.22 min Scan# 708

Delta R.T. 0.00 min

Lab File: VW015278.D

Acq: 21 Apr 2020 22:59

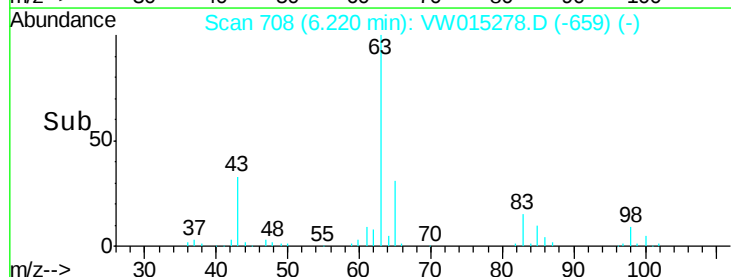
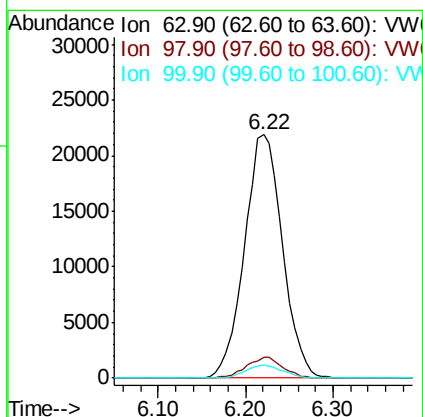
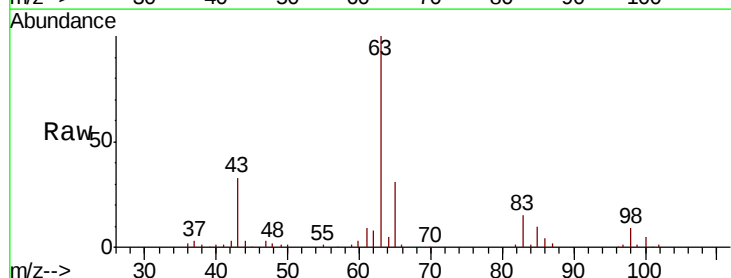
Tgt Ion: 63 Resp: 66136

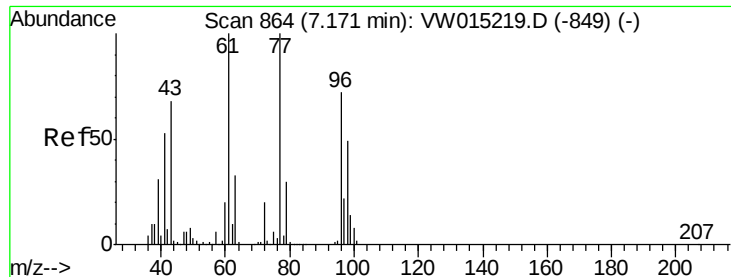
Ion Ratio Lower Upper

63 100

98 8.6 3.6 10.9

100 5.4 2.4 7.2





#25

2-Butanone

Concen: 95.383 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW015278.D

Acq: 21 Apr 2020 22:59

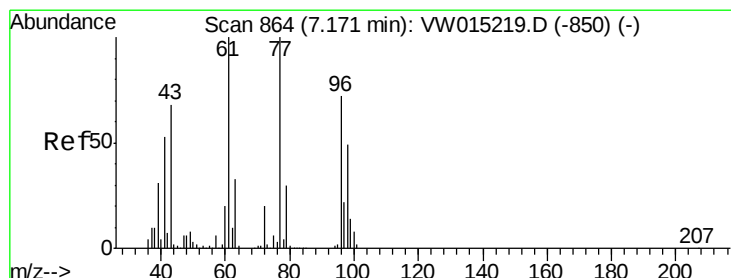
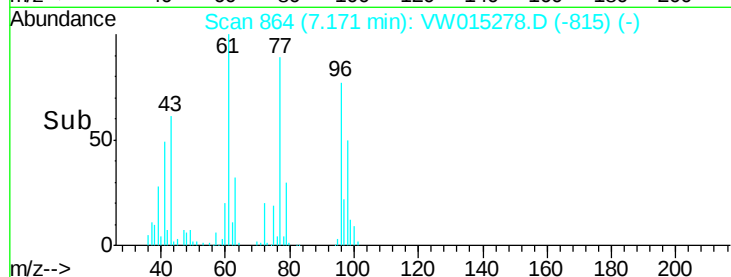
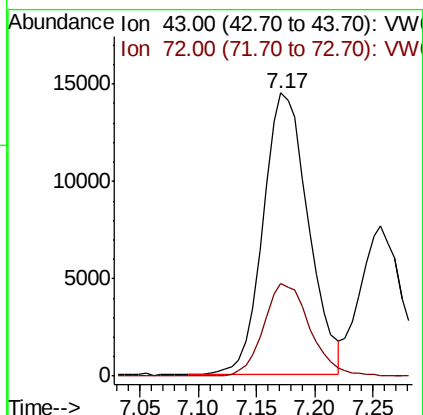
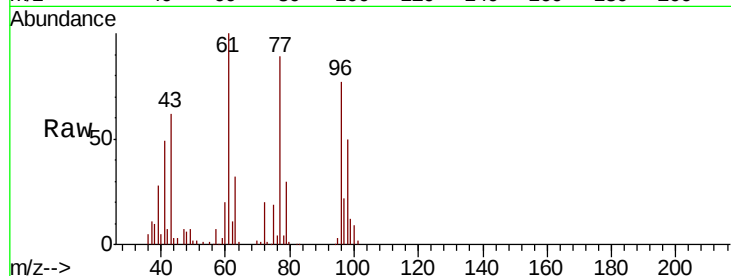
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 38936

Ion Ratio Lower Upper

43 100

72 33.1 21.6 32.4#



#26

2,2-Dichloropropane

Concen: 18.662 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW015278.D

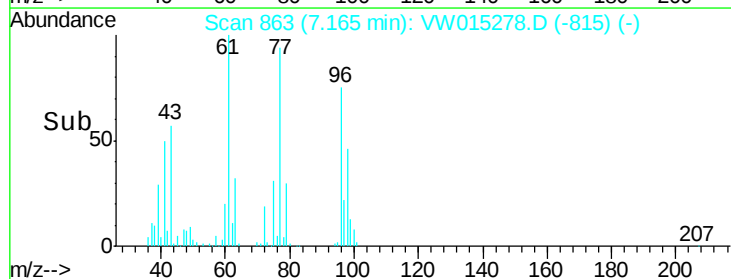
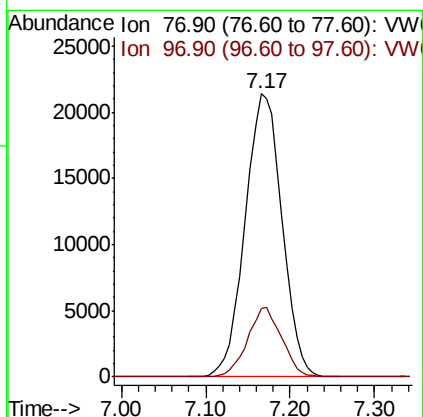
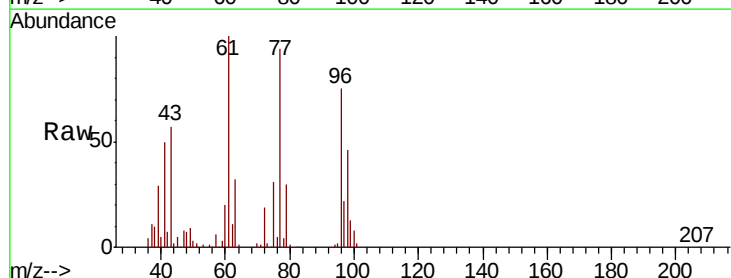
Acq: 21 Apr 2020 22:59

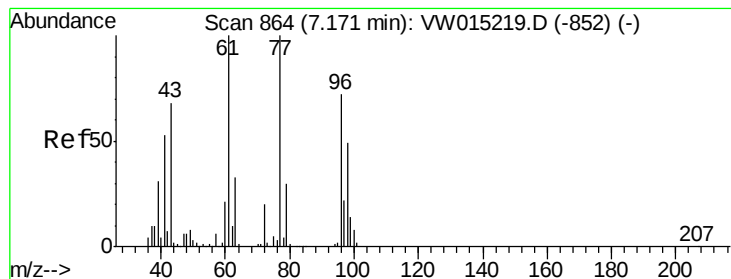
Tgt Ion: 77 Resp: 63626

Ion Ratio Lower Upper

77 100

97 22.7 11.9 35.5



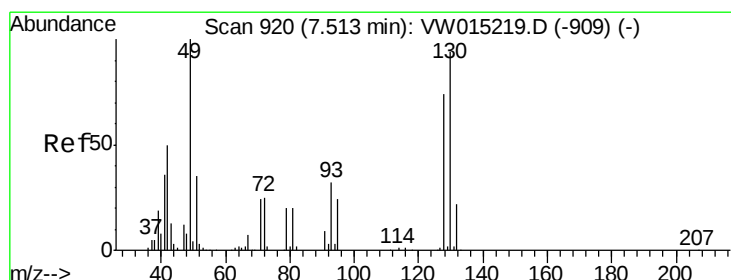
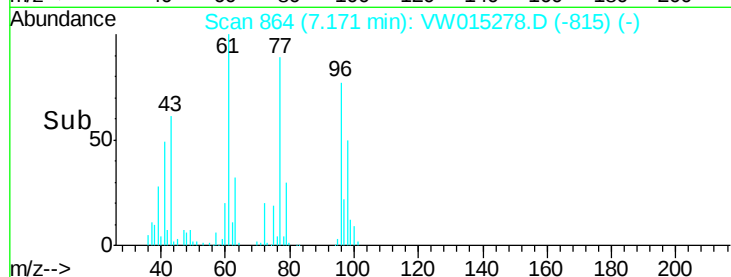
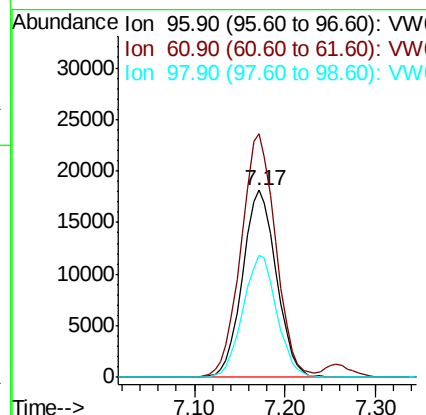
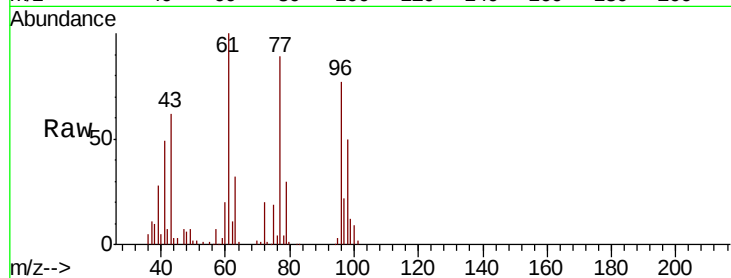


#27

cis-1,2-Dichloroethene
Concen: 20.856 ug/l
RT: 7.17 min Scan# 864
Delta R.T. 0.00 min
Lab File: VW015278.D
Acq: 21 Apr 2020 22:59

Instrument :
MSVOA_W
ClientSampled :

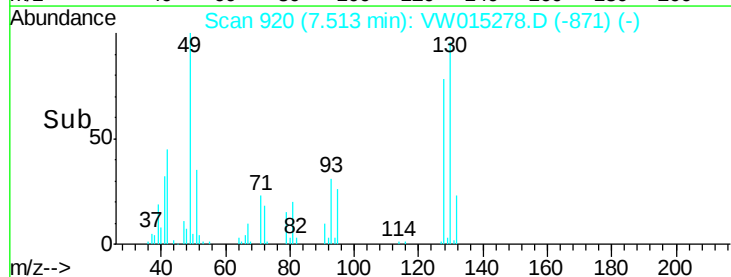
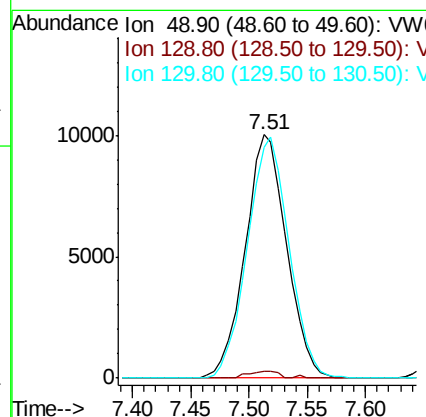
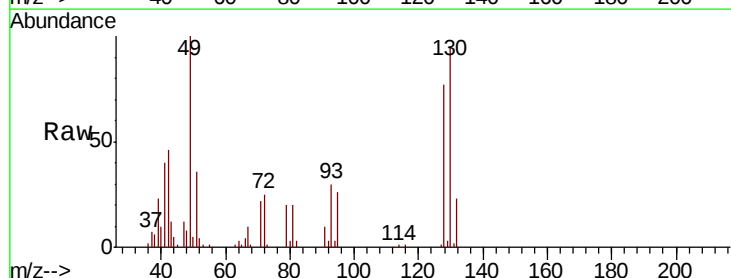
Tot Ion	96	Resp	46919
Ion	Ratio	Lower	Upper
96	100		
61	133.3	0.0	275.0
98	65.0	0.0	130.8

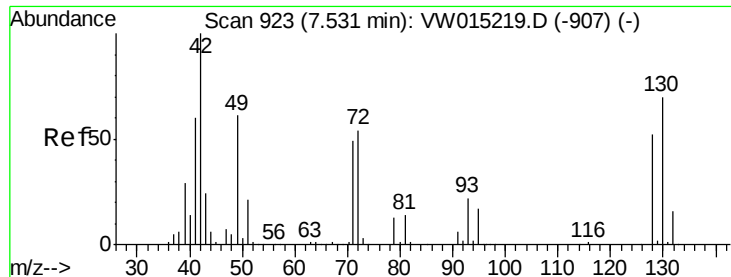


#28

Bromochloromethane
Concen: 21.010 ug/l
RT: 7.51 min Scan# 920
Delta R.T. 0.00 min
Lab File: VW015278.D
Acq: 21 Apr 2020 22:59

Tgt Ion	49	Resp	24756
Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.6
130	99.4	60.9	91.3#





#29

Tetrahydrofuran

Concen: 105.092 ug/l

RT: 7.53 min Scan# 923

Delta R.T. 0.00 min

Lab File: VW015278.D

Acq: 21 Apr 2020 22:59

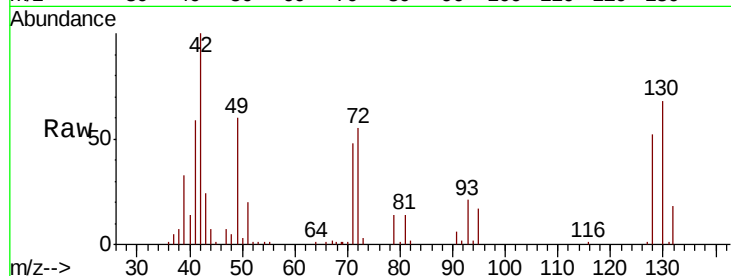
Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 42 Resp: 26727

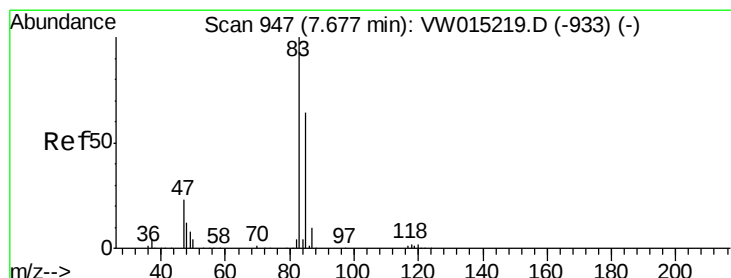
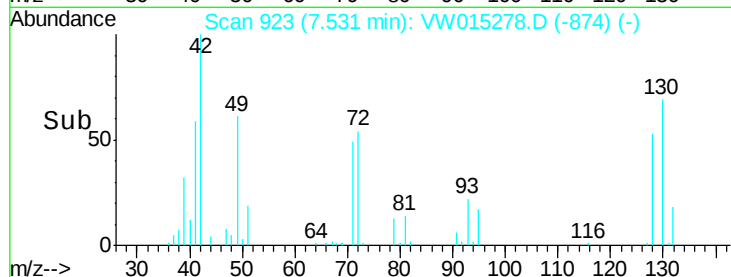
Ion	Ratio	Lower	Upper
42	100		
72	51.2	36.2	54.2
71	49.5	34.2	51.4



Abundance Ion 42.00 (41.70 to 42.70): VW

Ion 72.00 (71.70 to 72.70): VW

Ion 71.00 (70.70 to 71.70): VW



#30

Chloroform

Concen: 21.266 ug/l

RT: 7.68 min Scan# 947

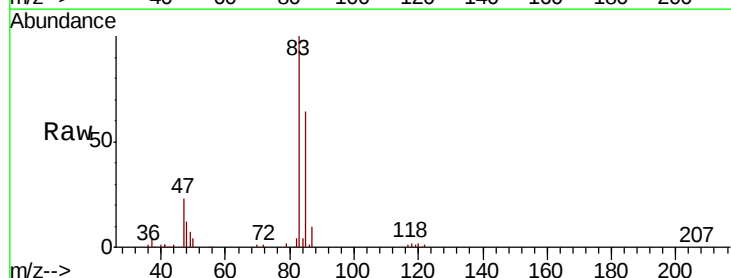
Delta R.T. 0.00 min

Lab File: VW015278.D

Acq: 21 Apr 2020 22:59

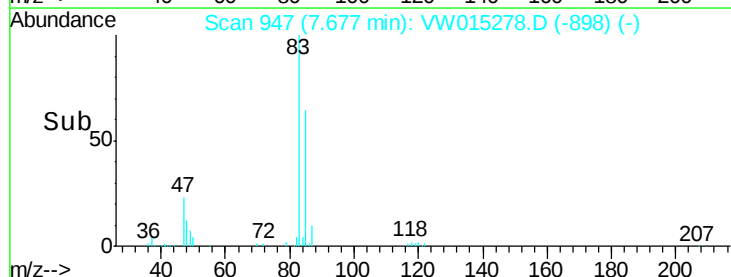
Tgt Ion: 83 Resp: 74382

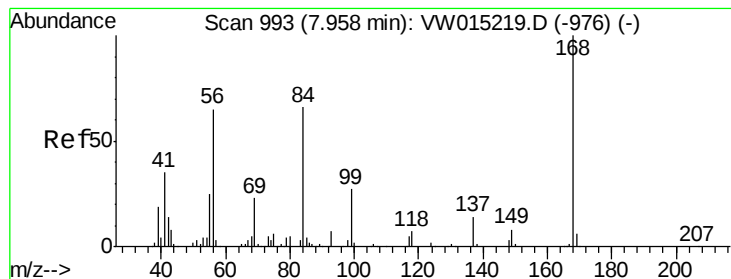
Ion	Ratio	Lower	Upper
83	100		
85	63.8	50.9	76.3



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW





#31

Cyclohexane

Concen: 19.049 ug/l

RT: 7.96 min Scan# 993

Delta R.T. 0.00 min

Lab File: VW015278.D

Acq: 21 Apr 2020 22:59

Instrument :

MSVOA_W

ClientSampled :

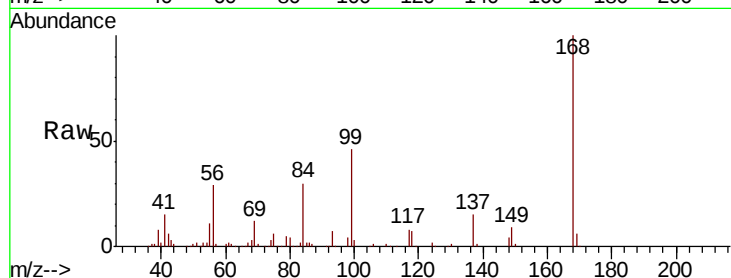
Tot Ion: 56 Resp: 62053

Ion Ratio Lower Upper

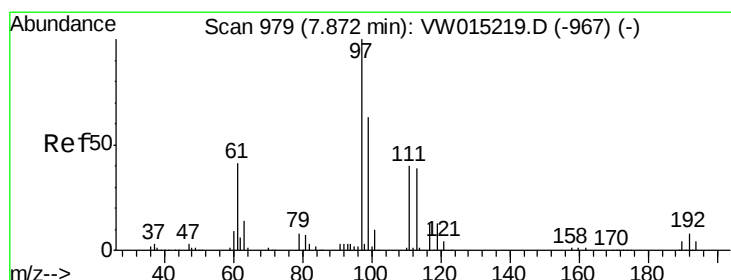
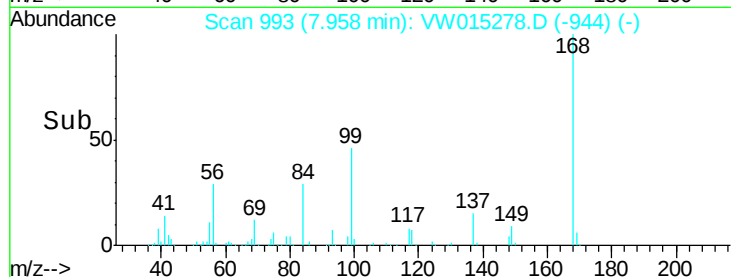
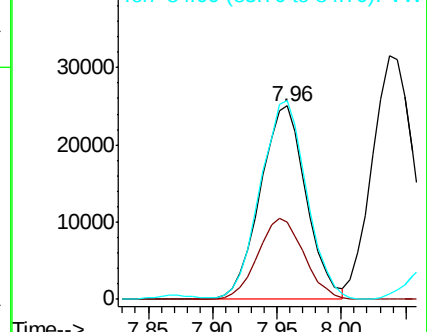
56 100

69 40.2 27.1 40.7

84 101.1 71.9 107.9



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



#32

1,1,1-Trichloroethane

Concen: 20.287 ug/l

RT: 7.87 min Scan# 979

Delta R.T. 0.00 min

Lab File: VW015278.D

Acq: 21 Apr 2020 22:59

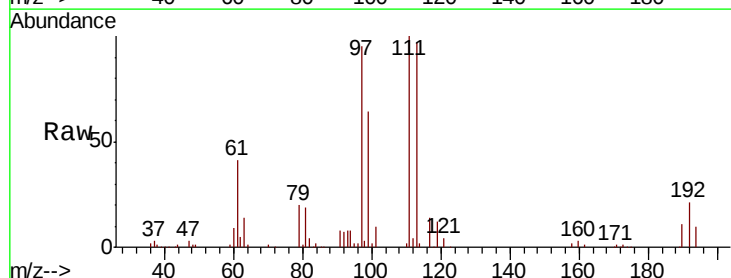
Tgt Ion: 97 Resp: 68484

Ion Ratio Lower Upper

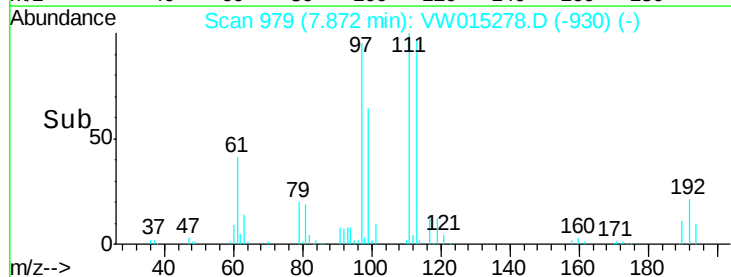
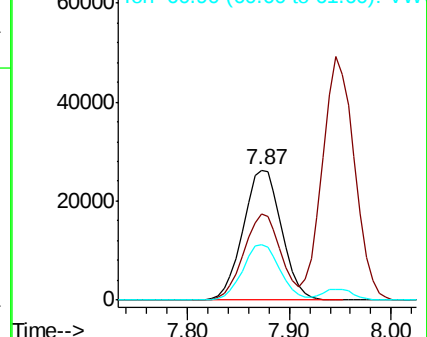
97 100

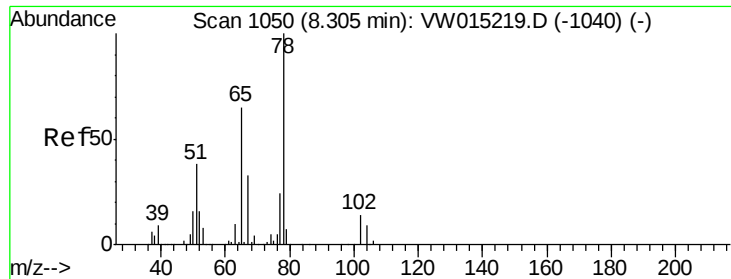
99 64.3 52.2 78.2

61 41.9 34.2 51.2



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

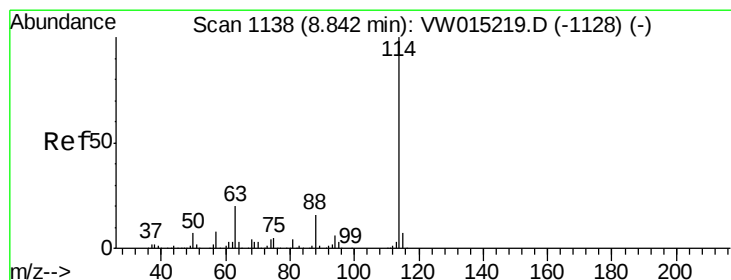
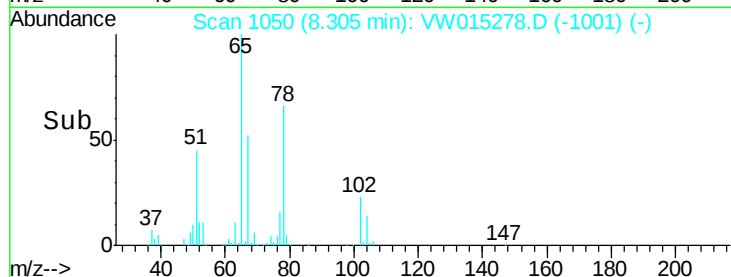
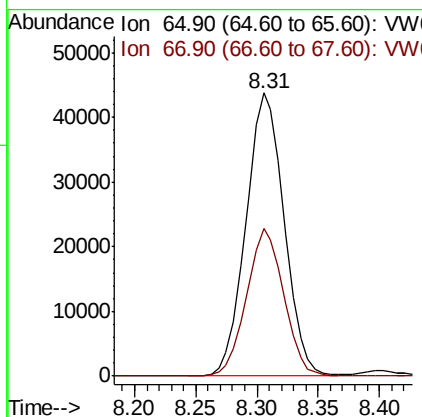
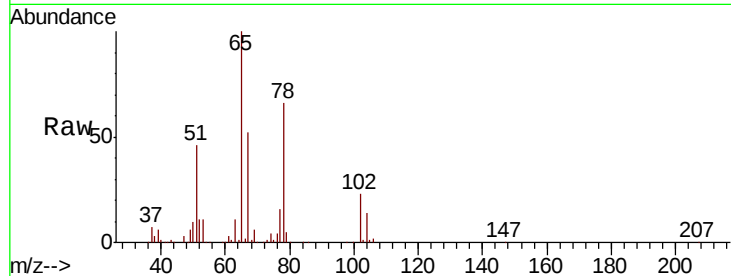




#33
 1,2-Dichloroethane-d4
 Concen: 53.941 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW015278.D
 Acq: 21 Apr 2020 22:59

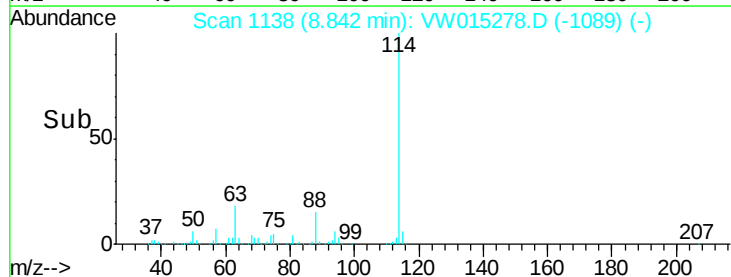
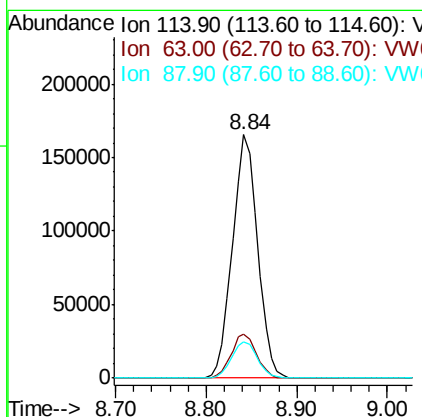
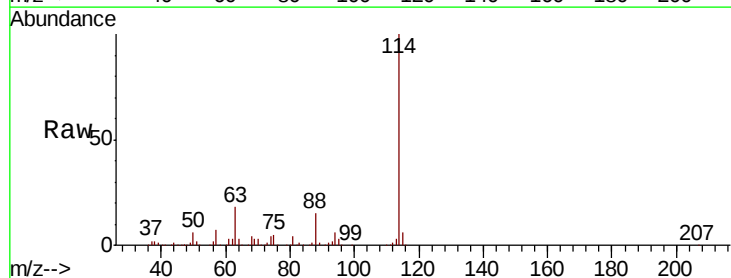
Instrument :
 MSVOA_W
 ClientSampleId :

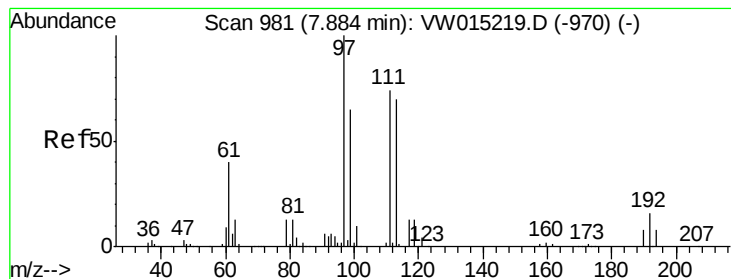
Tot Ion: 65 Resp: 95021
 Ion Ratio Lower Upper
 65 100
 67 50.9 0.0 107.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW015278.D
 Acq: 21 Apr 2020 22:59

Tgt Ion: 114 Resp: 318600
 Ion Ratio Lower Upper
 114 100
 63 18.1 0.0 39.8
 88 14.9 0.0 30.2





#35

Dibromofluoromethane

Concen: 53.228 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW015278.D

Acq: 21 Apr 2020 22:59

Instrument :

MSVOA_W

ClientSampled :

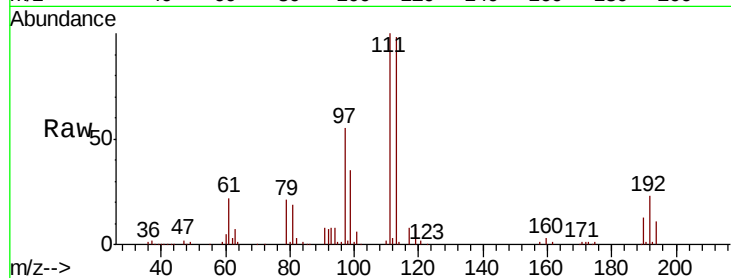
Tot Ion:113 Resp: 93935

Ion Ratio Lower Upper

113 100

111 103.2 83.0 124.4

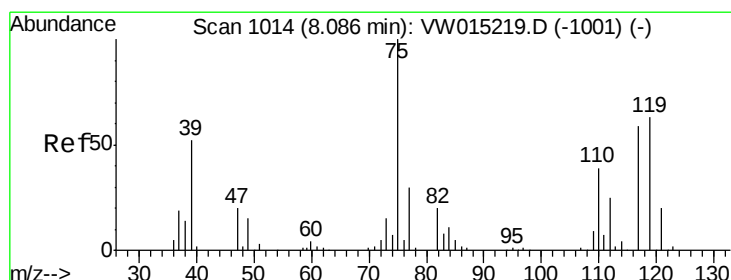
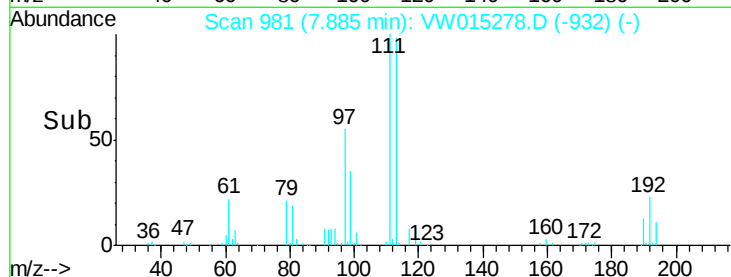
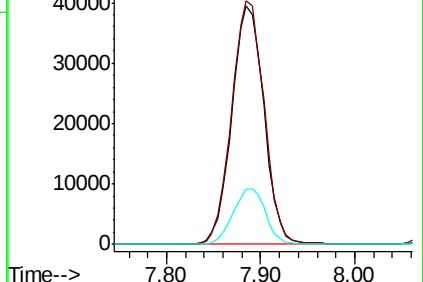
192 23.5 15.1 22.7#



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 19.591 ug/l

RT: 8.09 min Scan# 1014

Delta R.T. 0.00 min

Lab File: VW015278.D

Acq: 21 Apr 2020 22:59

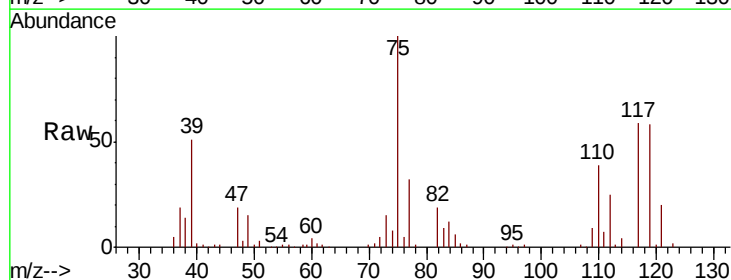
Tgt Ion: 75 Resp: 56334

Ion Ratio Lower Upper

75 100

110 38.5 18.2 54.6

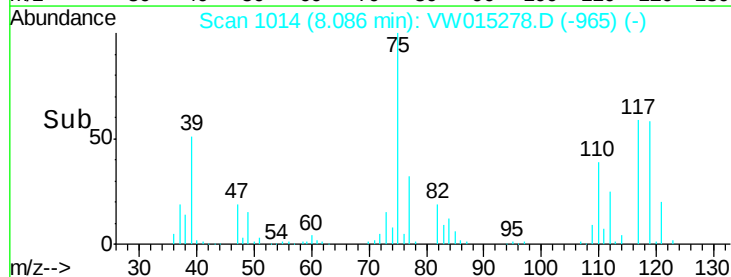
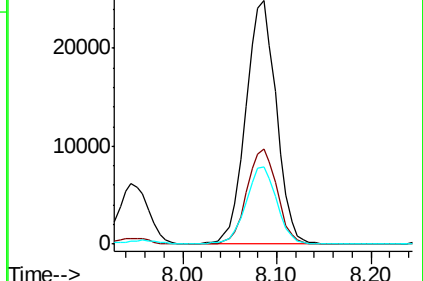
77 31.9 24.5 36.7

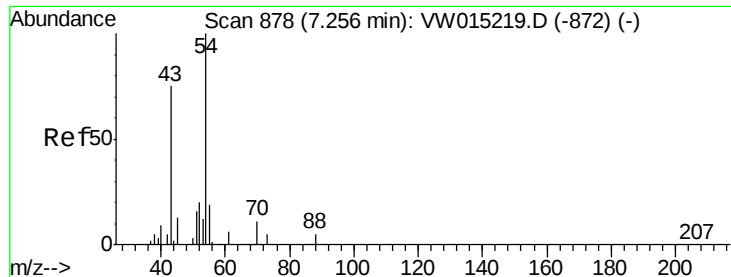


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

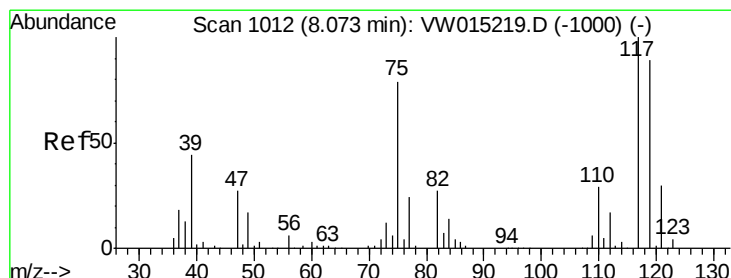
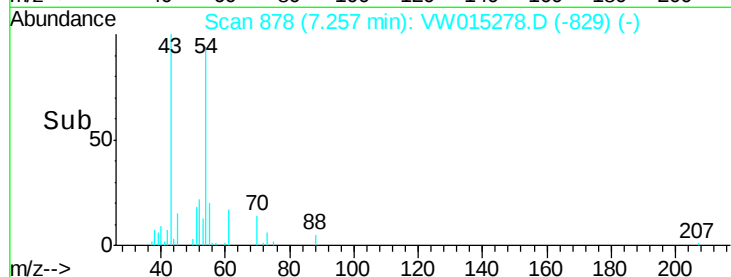
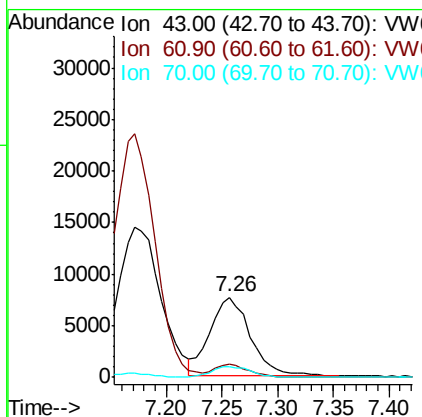
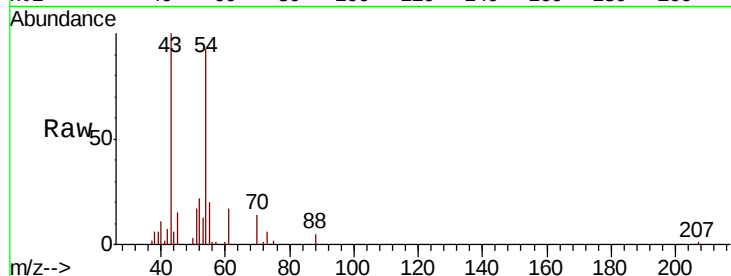




#37
Ethyl Acetate
Concen: 20.548 ug/l
RT: 7.26 min Scan# 878
Delta R.T. 0.00 min
Lab File: VW015278.D
Acq: 21 Apr 2020 22:59

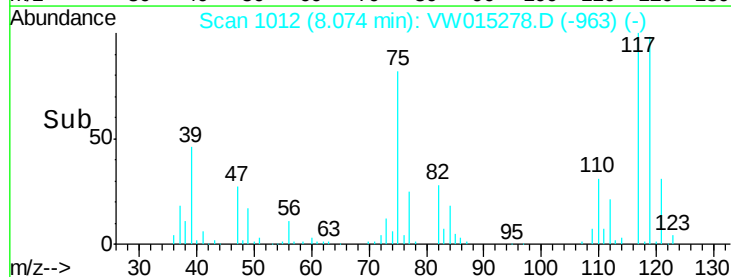
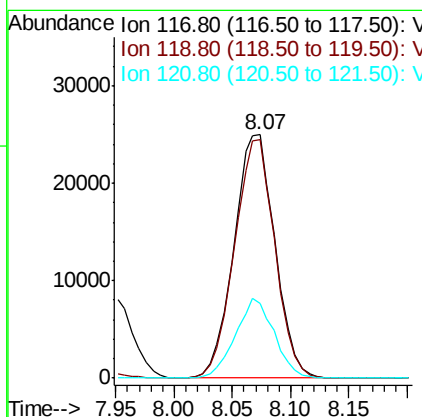
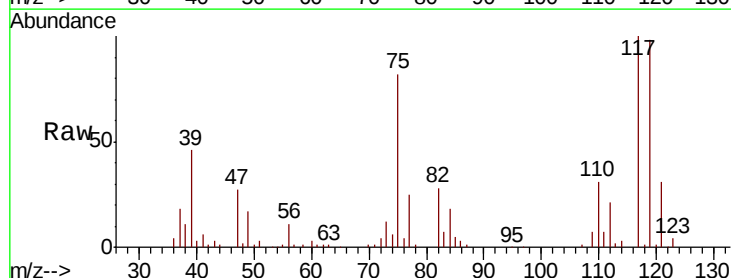
Instrument :
MSVOA_W
ClientSampleId :

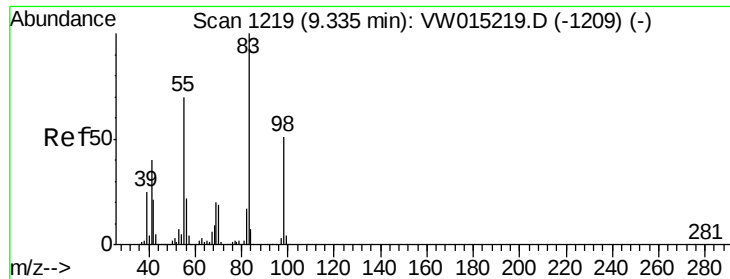
Tot Ion: 43 Resp: 19176
Ion Ratio Lower Upper
43 100
61 14.2 11.9 17.9
70 13.8 8.8 13.2#



#38
Carbon Tetrachloride
Concen: 19.449 ug/l
RT: 8.07 min Scan# 1012
Delta R.T. 0.00 min
Lab File: VW015278.D
Acq: 21 Apr 2020 22:59

Tgt Ion: 117 Resp: 61118
Ion Ratio Lower Upper
117 100
119 98.0 72.3 108.5
121 30.7 23.7 35.5

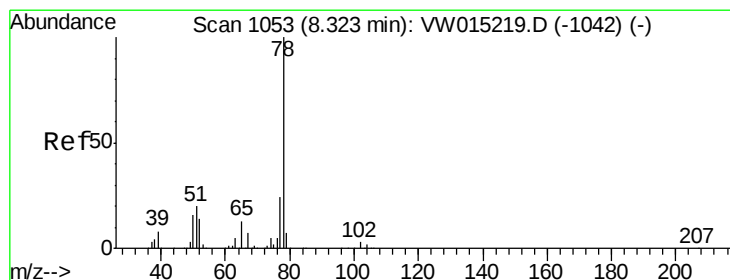
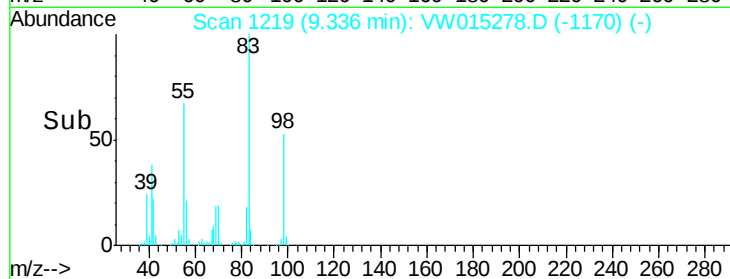
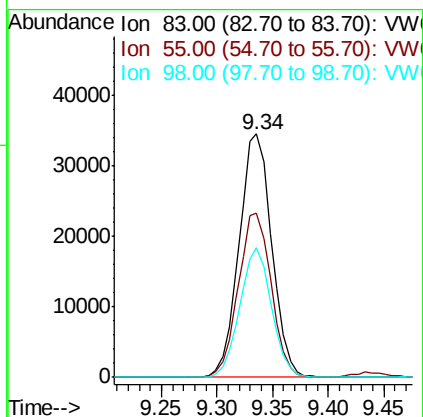
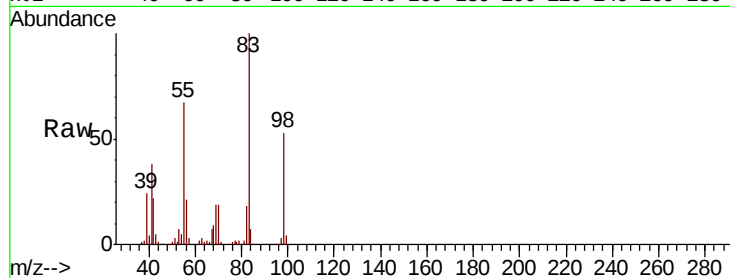




#39
Methvlcvclohexane
Concen: 18.354 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW015278.D
Acq: 21 Apr 2020 22:59

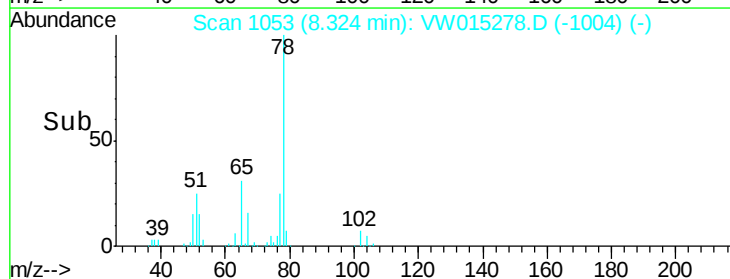
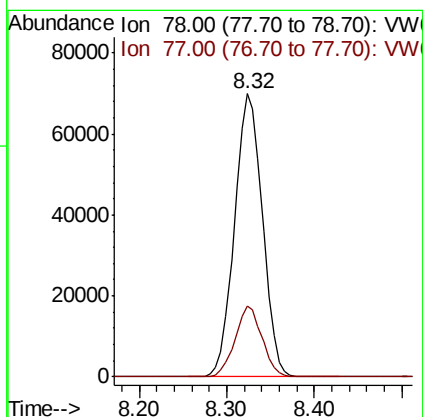
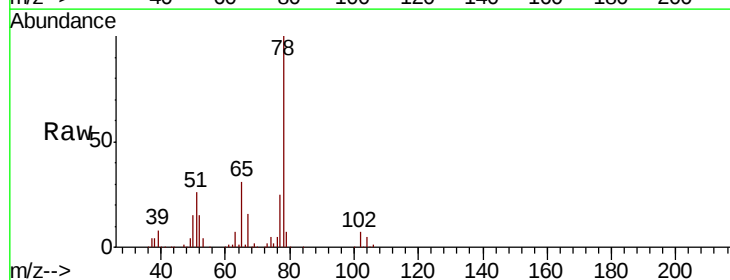
Instrument :
MSVOA_W
ClientSampled :

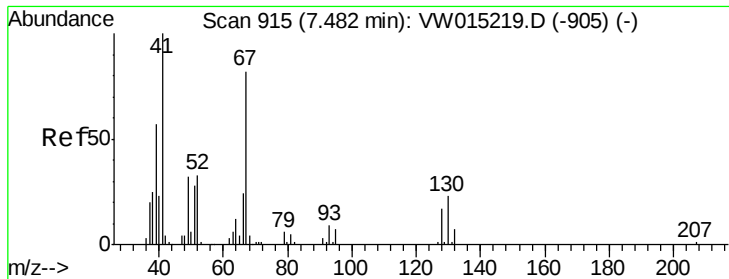
Tot Ion: 83 Resp: 70248
Ion Ratio Lower Upper
83 100
55 67.2 58.1 87.1
98 53.0 40.2 60.4



#40
Benzene
Concen: 20.184 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW015278.D
Acq: 21 Apr 2020 22:59

Tgt Ion: 78 Resp: 155040
Ion Ratio Lower Upper
78 100
77 24.9 18.2 27.2

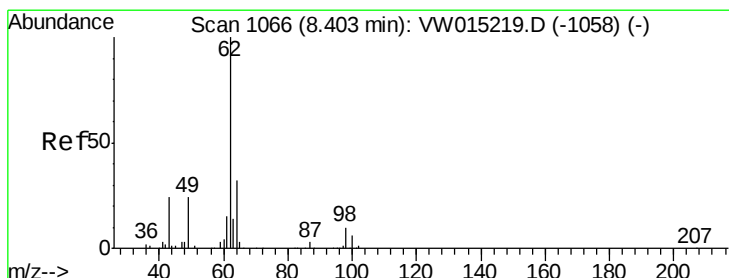
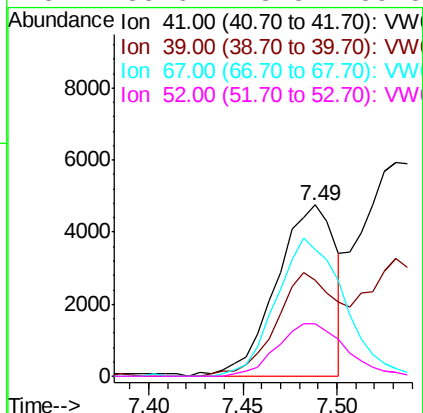
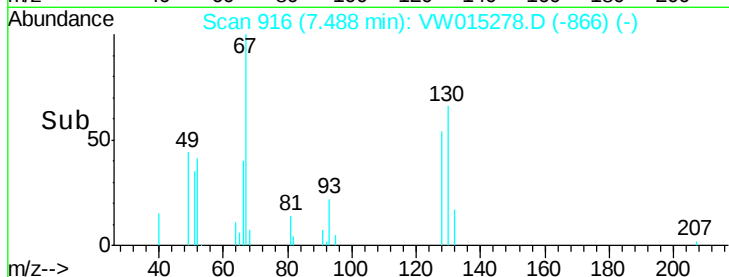
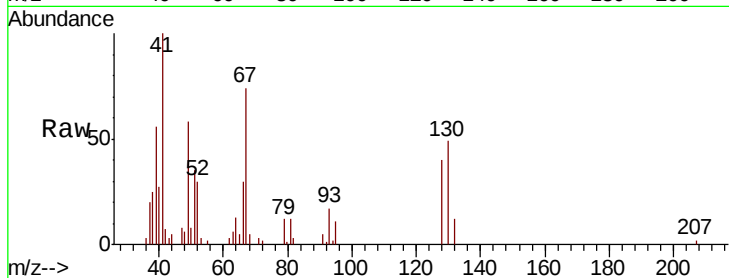




#41
Methacrylonitrile
Concen: 18.548 ug/l
RT: 7.49 min Scan# 916
Delta R.T. 0.01 min
Lab File: VW015278.D
Acq: 21 Apr 2020 22:59

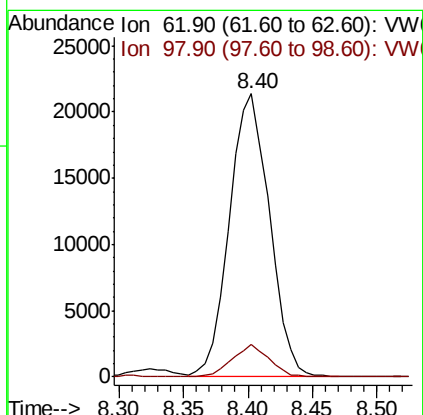
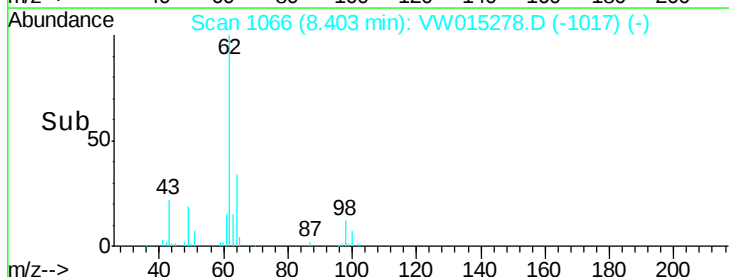
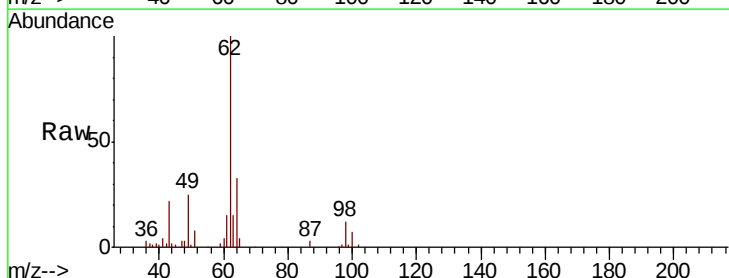
Instrument :
MSVOA_W
ClientSampled :

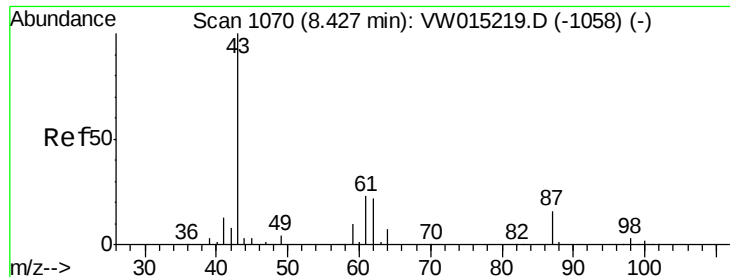
Tot Ion:	41	Resp:	10386
Ion	Ratio	Lower	Upper
41	100		
39	64.7	41.9	62.9#
67	92.9	60.6	91.0#
52	35.6	23.8	35.8



#42
1,2-Dichloroethane
Concen: 20.493 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW015278.D
Acq: 21 Apr 2020 22:59

Tgt Ion:	62	Resp:	46341
Ion	Ratio	Lower	Upper
62	100		
98	10.6	0.0	20.4





#43

Isopropyl Acetate

Concen: 19.837 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.00 min

Lab File: VW015278.D

Acq: 21 Apr 2020 22:59

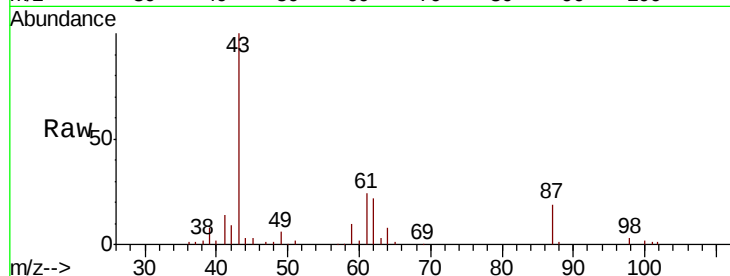
Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 43 Resp: 38827

Ion	Ratio	Lower	Upper
43	100		
61	34.1	24.8	37.2
87	16.8	11.4	17.2

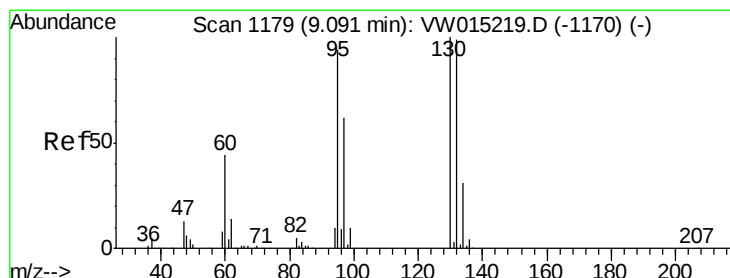
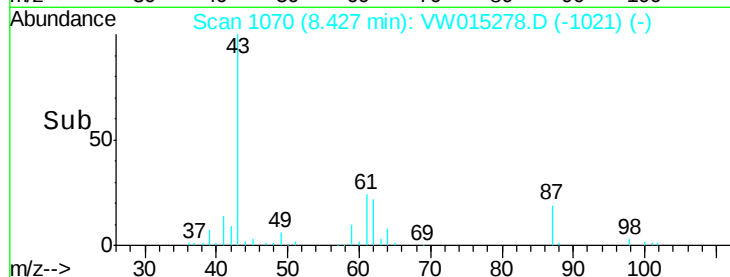
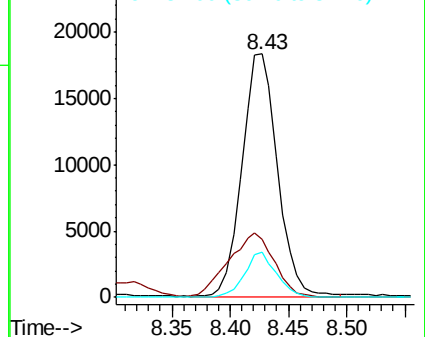


Abundance

Ion 43.00 (42.70 to 43.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 87.00 (86.70 to 87.70): VW



#44

Trichloroethene

Concen: 20.995 ug/l

RT: 9.09 min Scan# 1179

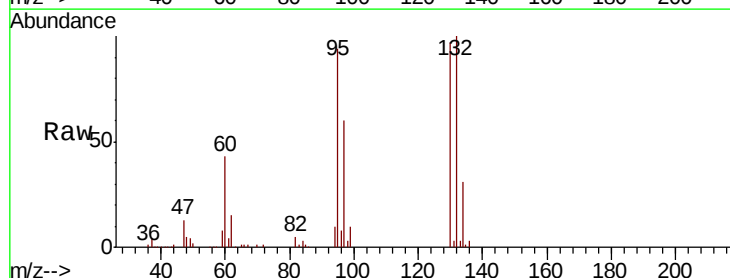
Delta R.T. 0.00 min

Lab File: VW015278.D

Acq: 21 Apr 2020 22:59

Tgt Ion: 130 Resp: 49329

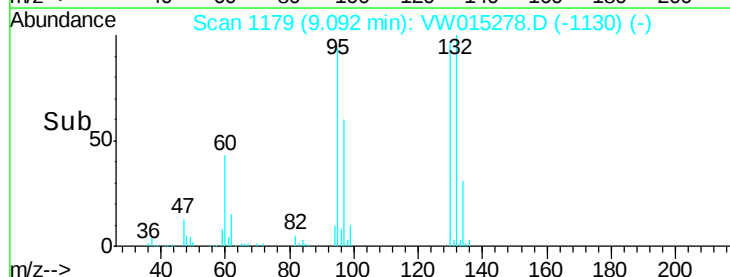
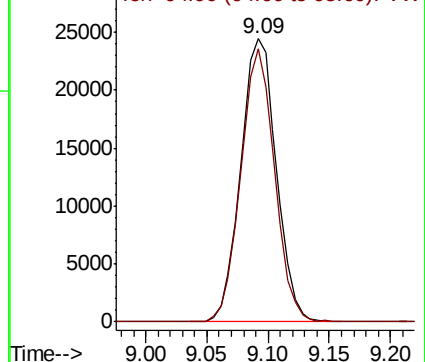
Ion	Ratio	Lower	Upper
130	100		
95	96.3	0.0	196.4

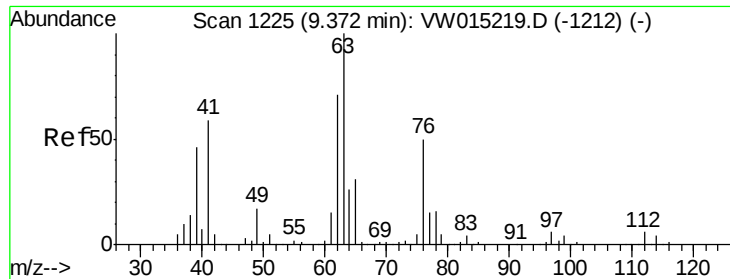


Abundance

Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW





#45

1,2-Dichloropropane

Concen: 20.710 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.01 min

Lab File: VW015278.D

Acq: 21 Apr 2020 22:59

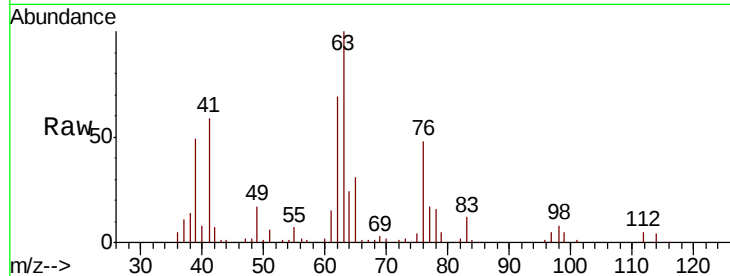
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 63 Resp: 36995

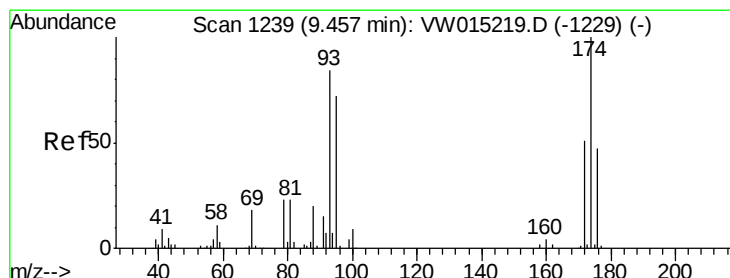
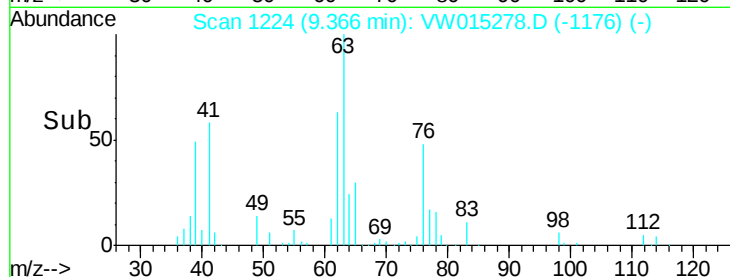
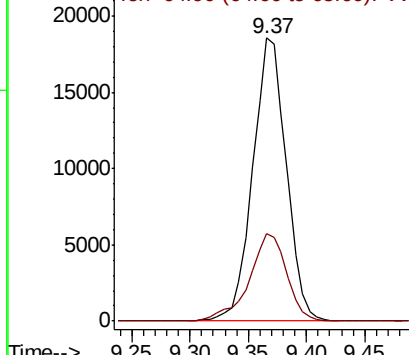
Ion Ratio Lower Upper

63 100

65 31.0 25.5 38.3



Abundance Ion 62.90 (62.60 to 63.60): VW
Ion 64.90 (64.60 to 65.60): VW



#46

Dibromomethane

Concen: 20.907 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VW015278.D

Acq: 21 Apr 2020 22:59

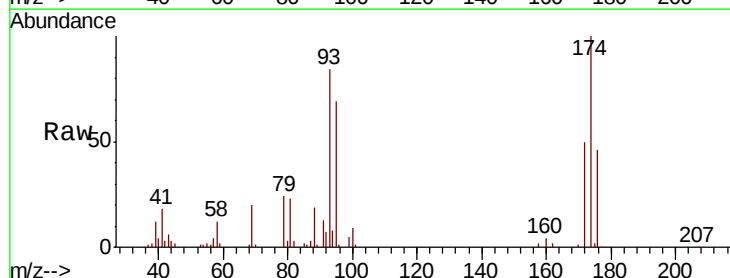
Tgt Ion: 93 Resp: 21603

Ion Ratio Lower Upper

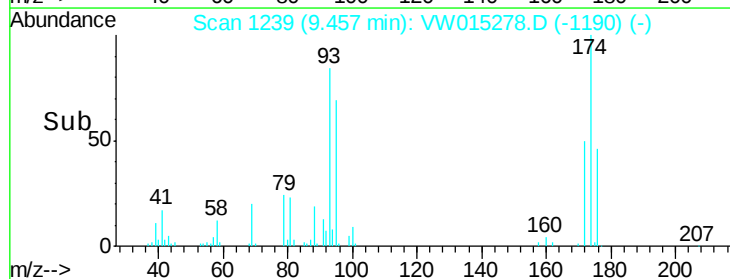
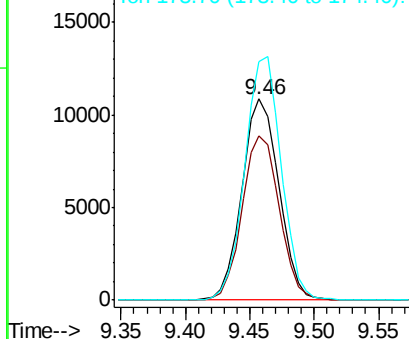
93 100

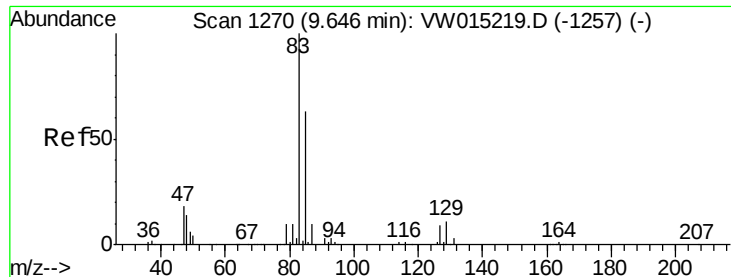
95 81.9 67.5 101.3

174 118.7 74.1 111.1#



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





#47

Bromodichloromethane

Concen: 20.647 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VW015278.D

Acq: 21 Apr 2020 22:59

Instrument :

MSVOA_W

ClientSampleId :

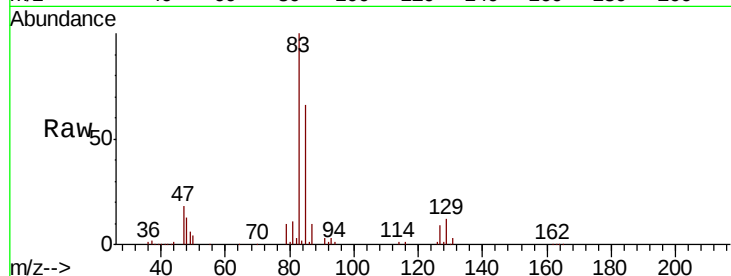
Tot Ion: 83 Resp: 57032

Ion Ratio Lower Upper

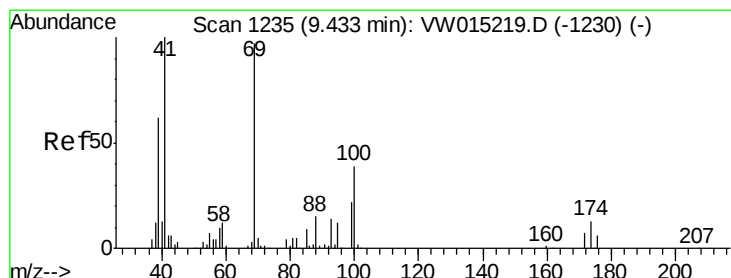
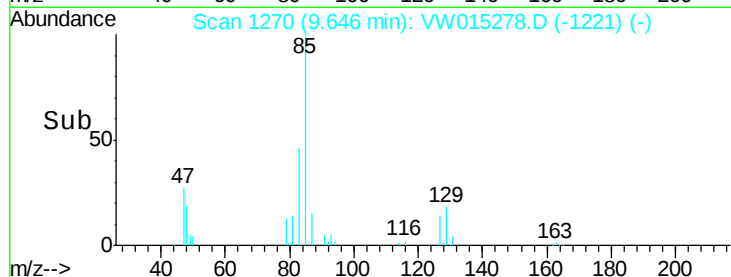
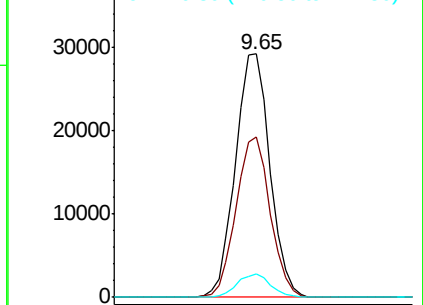
83 100

85 65.9 50.6 76.0

127 9.5 6.7 10.1



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



#48

Methyl methacrylate

Concen: 18.695 ug/l

RT: 9.44 min Scan# 1236

Delta R.T. 0.01 min

Lab File: VW015278.D

Acq: 21 Apr 2020 22:59

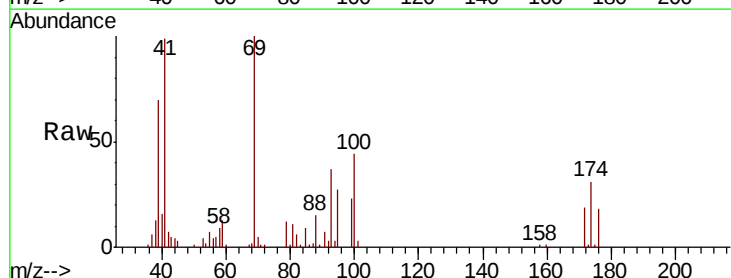
Tgt Ion: 41 Resp: 17298

Ion Ratio Lower Upper

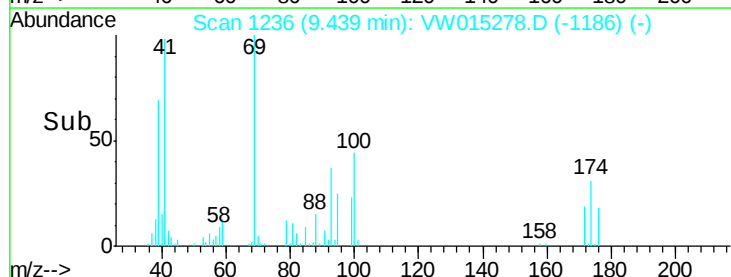
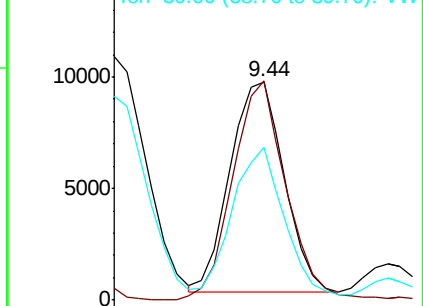
41 100

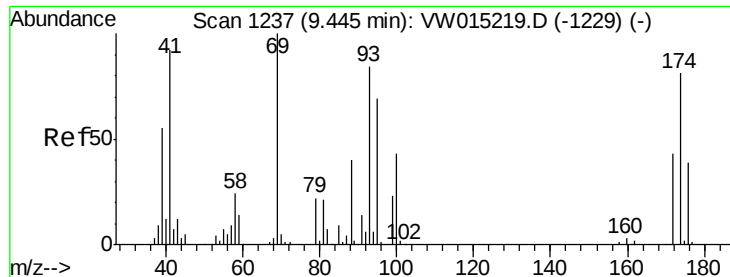
69 103.3 70.6 105.8

39 72.2 42.6 64.0#



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





#49

1,4-Dioxane

Concen: 383.588 ug/l

RT: 9.45 min Scan# 1238

Delta R.T. 0.01 min

Lab File: VW015278.D

Acq: 21 Apr 2020 22:59

Instrument :
MSVOA_W
ClientSampleId :

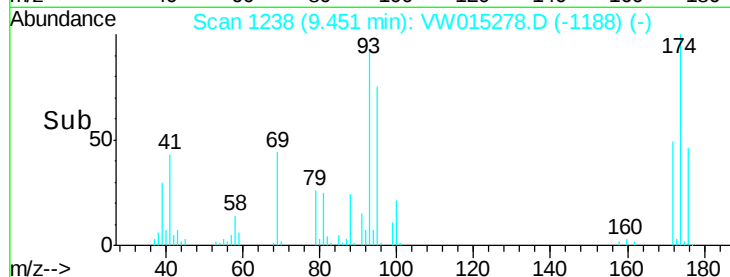
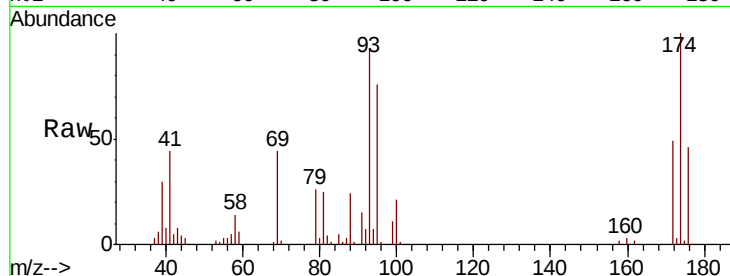
Tot Ion: 88 Resp: 5284

Ion Ratio Lower Upper

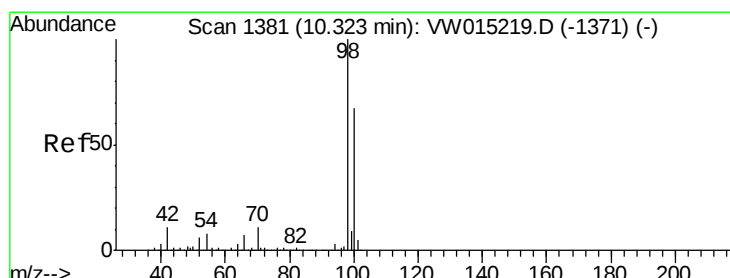
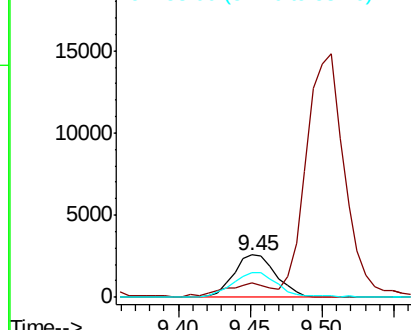
88 100

43 33.4 23.5 35.3

58 64.0 55.4 83.2



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



#50

Toluene-d8

Concen: 48.353 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW015278.D

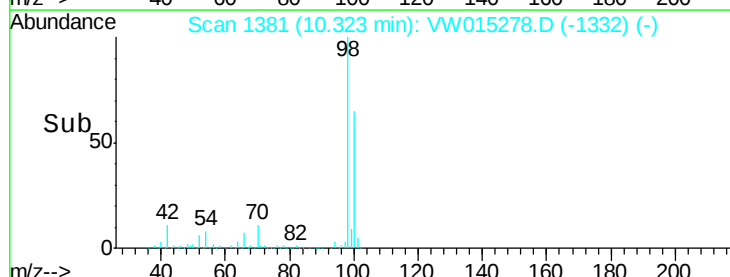
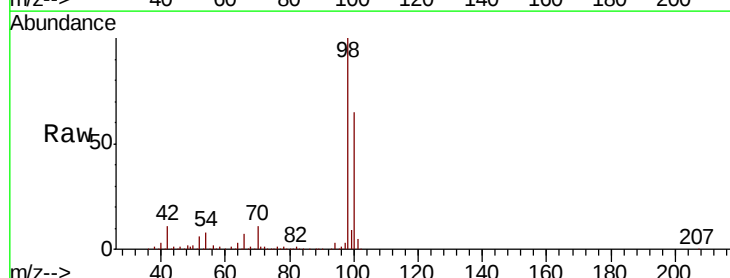
Acq: 21 Apr 2020 22:59

Tgt Ion: 98 Resp: 358971

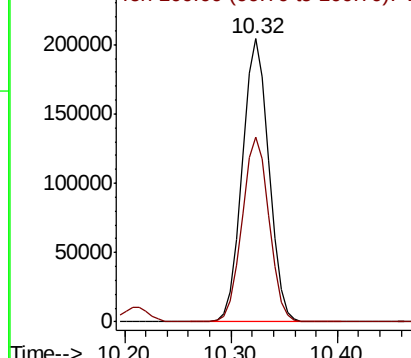
Ion Ratio Lower Upper

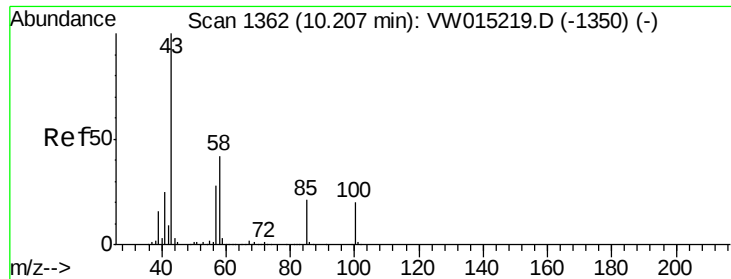
98 100

100 66.2 52.9 79.3



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





#51

4-Methyl-2-Pentanone

Concen: 99.297 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW015278.D

Acq: 21 Apr 2020 22:59

Instrument :

MSVOA_W

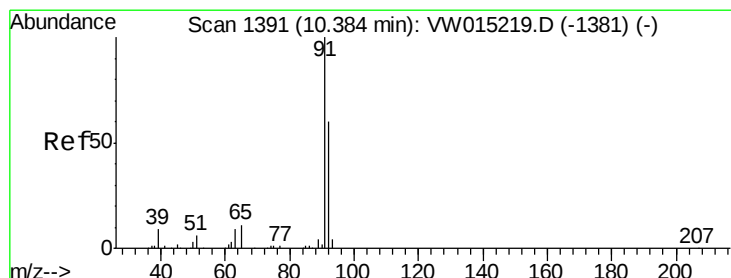
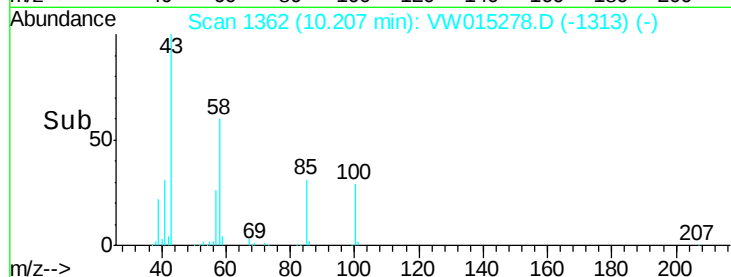
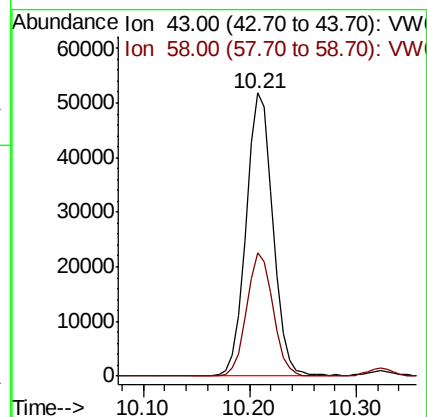
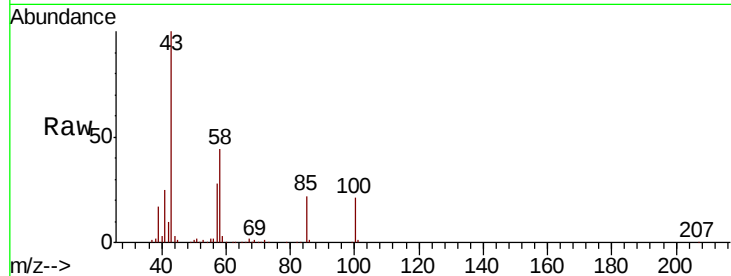
ClientSampled :

Tot Ion: 43 Resp: 91236

Ion Ratio Lower Upper

43 100

58 43.2 32.3 48.5



#52

Toluene

Concen: 19.155 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.01 min

Lab File: VW015278.D

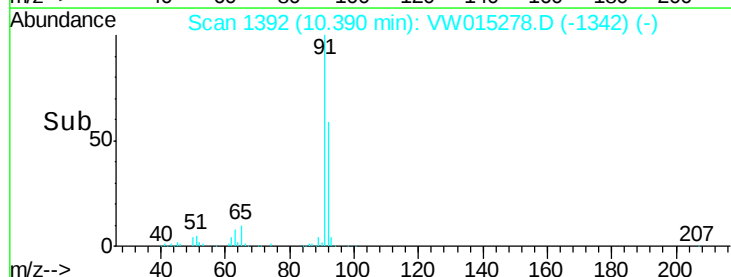
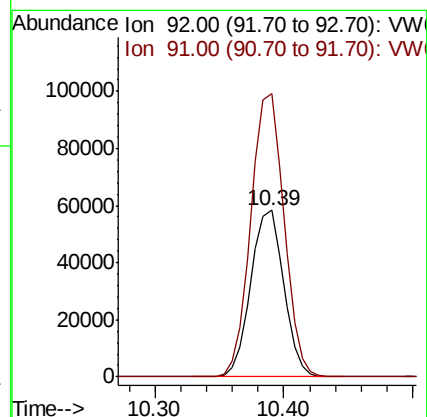
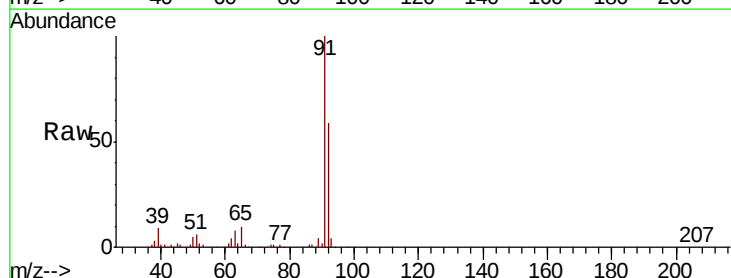
Acq: 21 Apr 2020 22:59

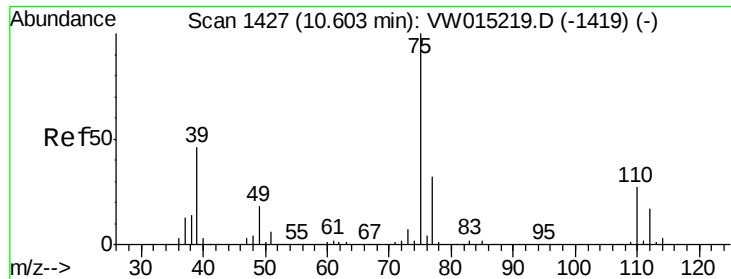
Tgt Ion: 92 Resp: 102977

Ion Ratio Lower Upper

92 100

91 171.9 137.1 205.7

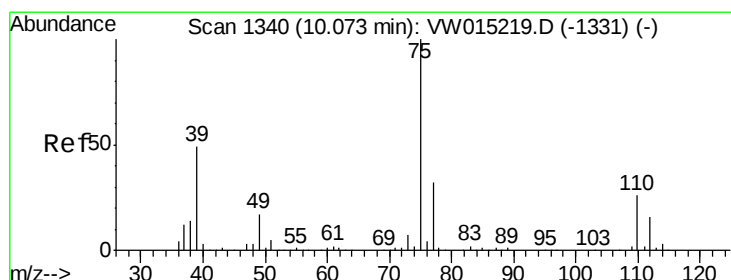
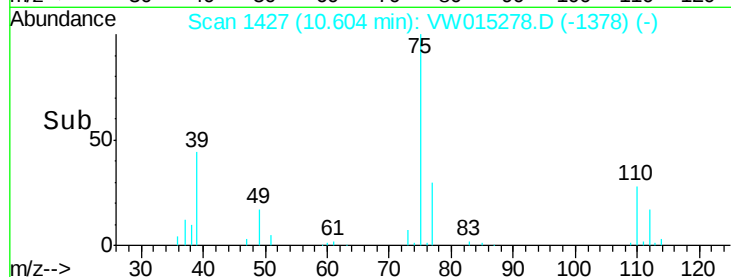
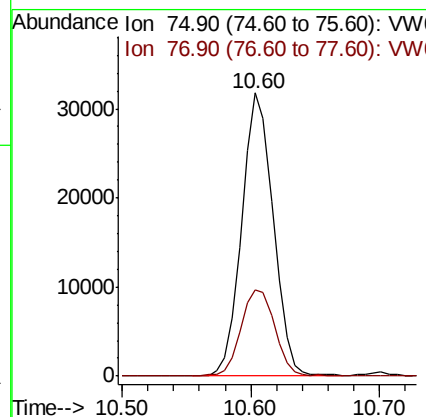
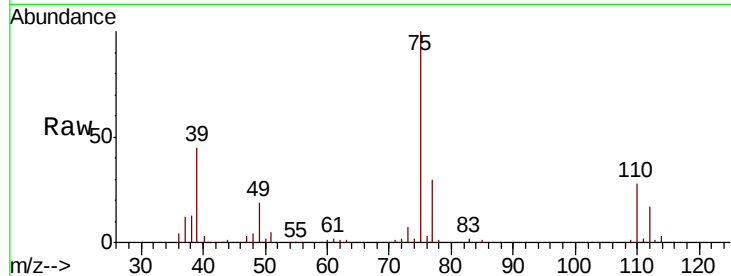




#53
 t-1,3-Dichloropropene
 Concen: 19.726 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. 0.00 min
 Lab File: VW015278.D
 Acq: 21 Apr 2020 22:59

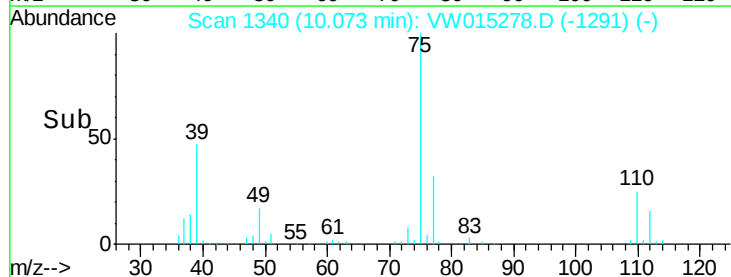
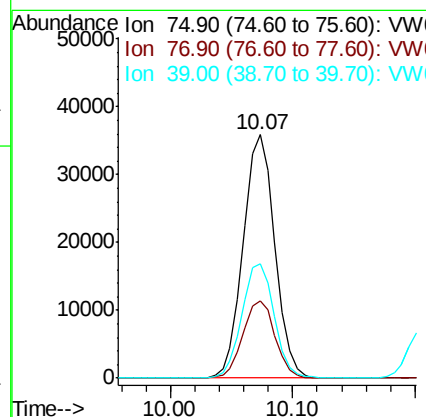
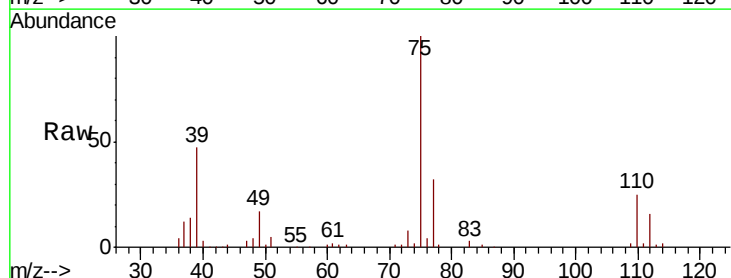
Instrument :
 MSVOA_W
 ClientSampleId :

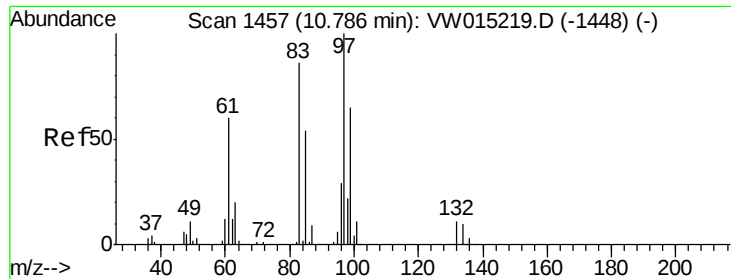
Tot Ion: 75 Resp: 53729
 Ion Ratio Lower Upper
 75 100
 77 30.2 25.5 38.3



#54
 cis-1,3-Dichloropropene
 Concen: 20.337 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VW015278.D
 Acq: 21 Apr 2020 22:59

Tgt Ion: 75 Resp: 64384
 Ion Ratio Lower Upper
 75 100
 77 31.5 26.6 39.8
 39 46.9 37.8 56.6





#55

1,1,2-Trichloroethane

Concen: 21.137 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW015278.D

Acq: 21 Apr 2020 22:59

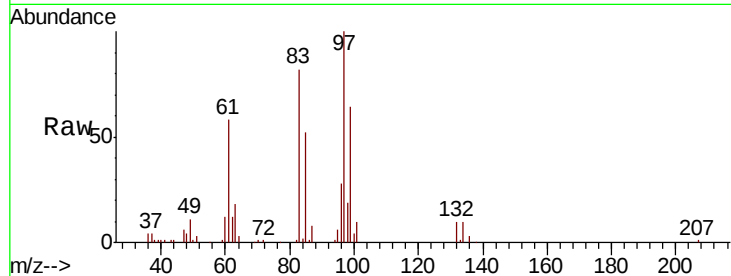
Instrument :

MSVOA_W

ClientSampled :

Tot Ion: 97 Resp: 30583

Ion	Ratio	Lower	Upper
97	100		
83	82.2	67.3	100.9
85	52.4	43.8	65.8
99	63.5	51.4	77.0



Abundance

Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW

Time-->

10.79

25000

20000

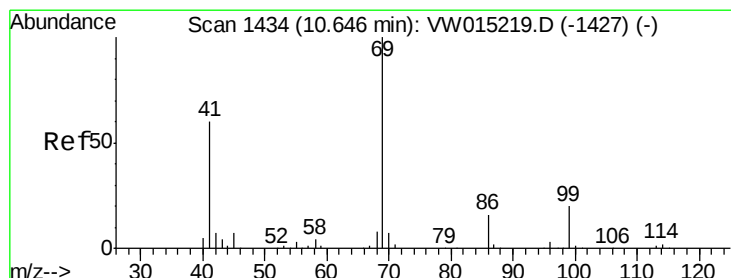
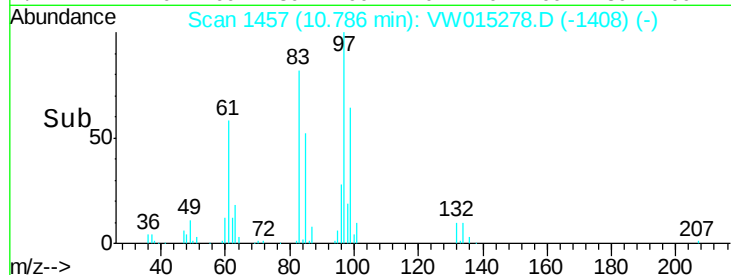
15000

10000

5000

0

10.70 10.75 10.80 10.85



#56

Ethyl methacrylate

Concen: 19.187 ug/l

RT: 10.65 min Scan# 1434

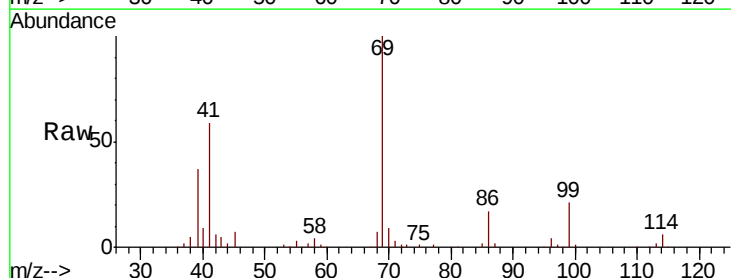
Delta R.T. 0.00 min

Lab File: VW015278.D

Acq: 21 Apr 2020 22:59

Tgt Ion: 69 Resp: 35764

Ion	Ratio	Lower	Upper
69	100		
41	59.0	51.3	76.9
39	35.9	24.6	37.0



Abundance

Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Time-->

10.65

30000

25000

20000

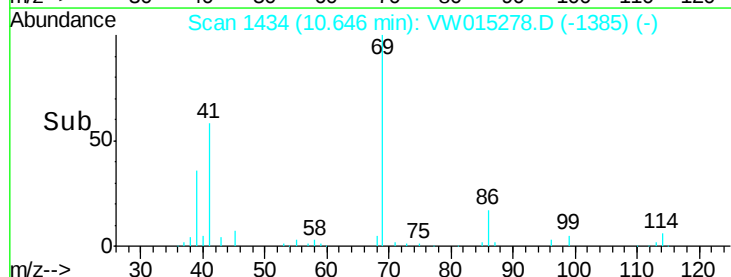
15000

10000

5000

0

10.60 10.65 10.70

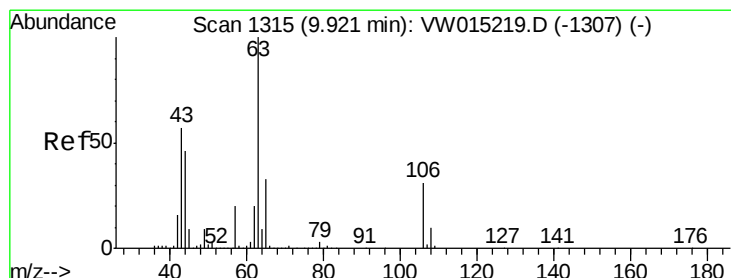
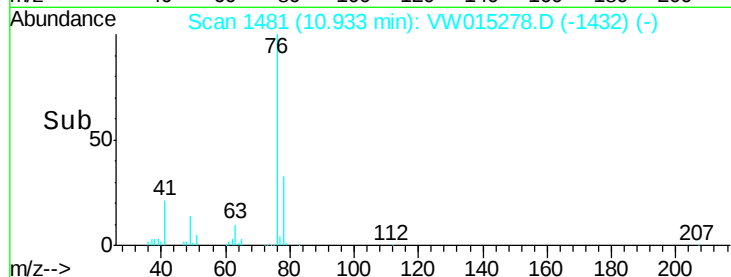
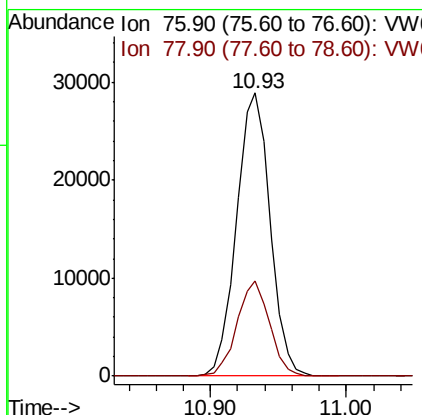
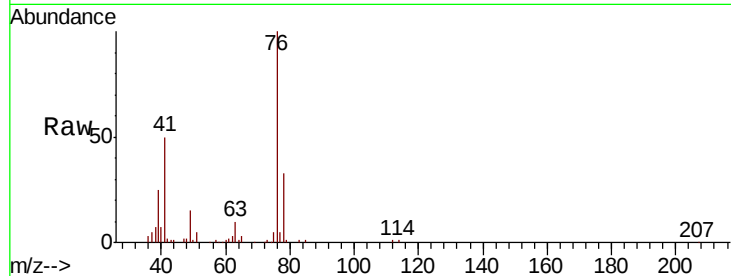




#57
 1,3-Dichloropropane
 Concen: 20.718 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW015278.D
 Acq: 21 Apr 2020 22:59

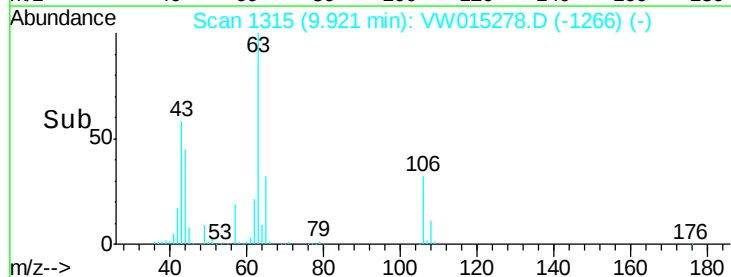
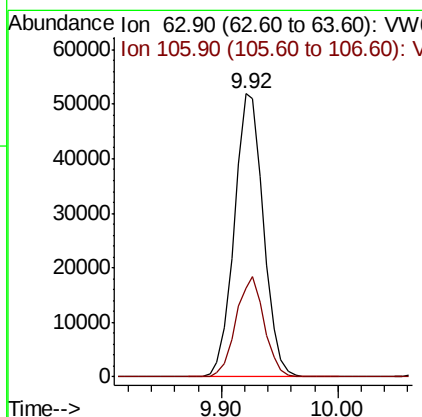
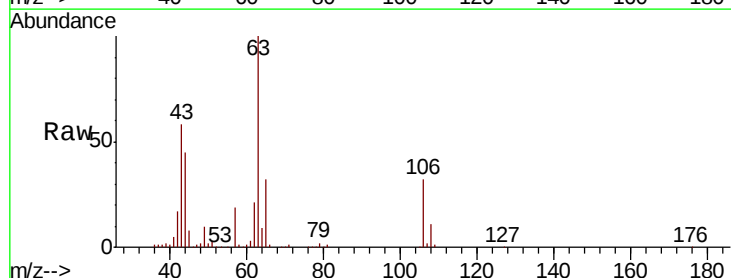
Instrument :
 MSVOA_W
 ClientSampleId :

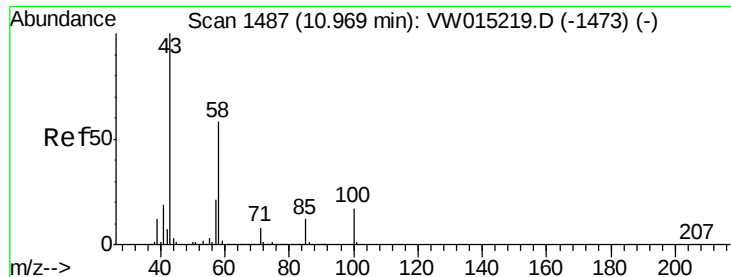
Tot Ion: 76 Resp: 49657
 Ion Ratio Lower Upper
 76 100
 78 32.5 26.2 39.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 104.536 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW015278.D
 Acq: 21 Apr 2020 22:59

Tgt Ion: 63 Resp: 90337
 Ion Ratio Lower Upper
 63 100
 106 34.4 22.6 33.8#

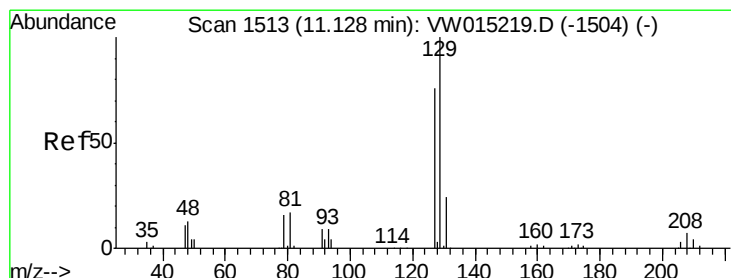
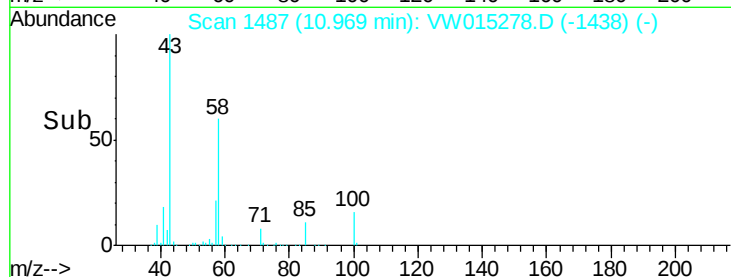
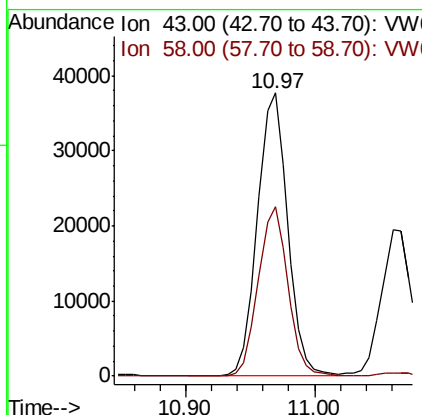
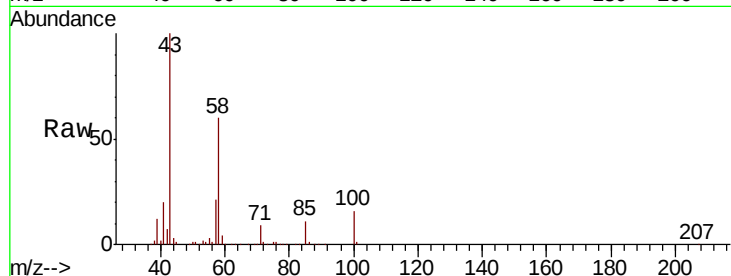




#59
2-Hexanone
Concen: 92.775 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW015278.D
Acq: 21 Apr 2020 22:59

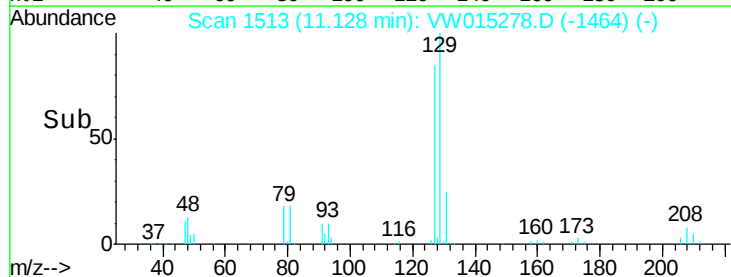
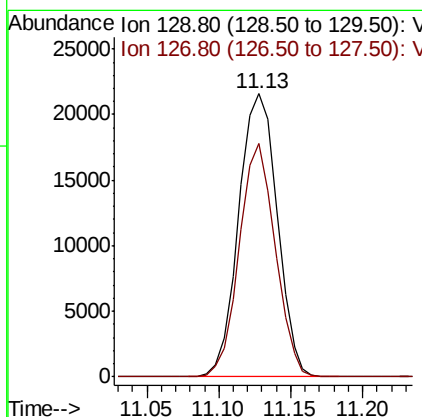
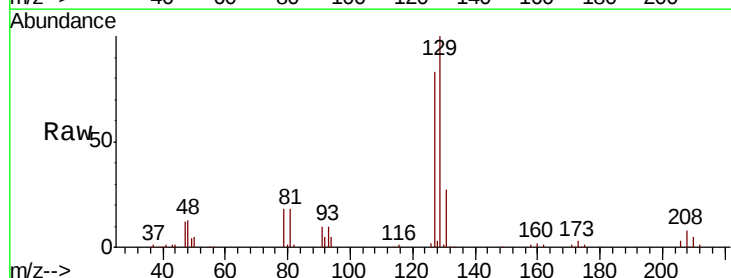
Instrument :
MSVOA_W
ClientSampleId :

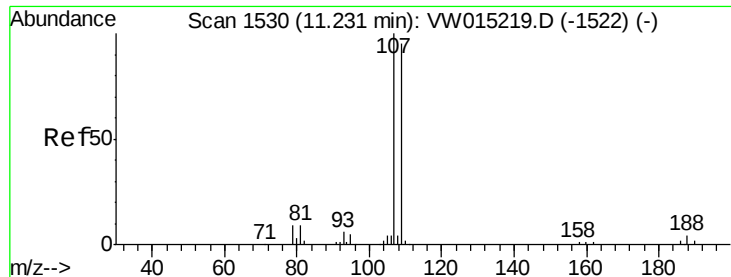
Tot Ion: 43 Resp: 60850
Ion Ratio Lower Upper
43 100
58 59.1 28.1 84.3



#60
Dibromochloromethane
Concen: 21.020 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW015278.D
Acq: 21 Apr 2020 22:59

Tgt Ion: 129 Resp: 40156
Ion Ratio Lower Upper
129 100
127 76.8 38.3 114.8

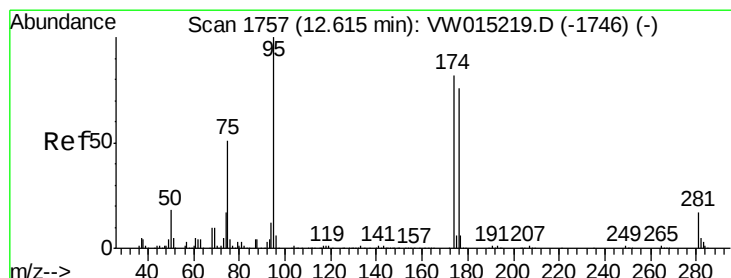
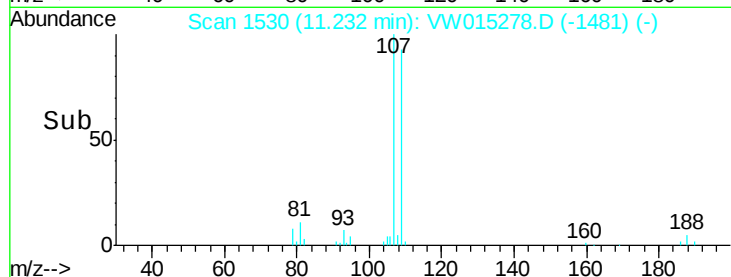
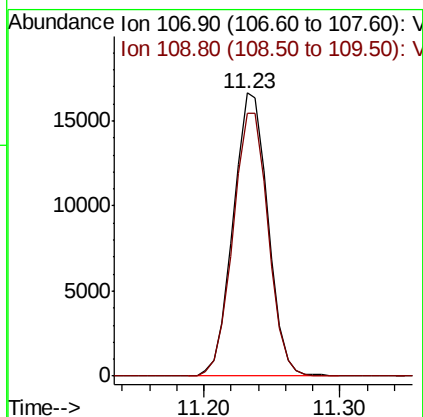
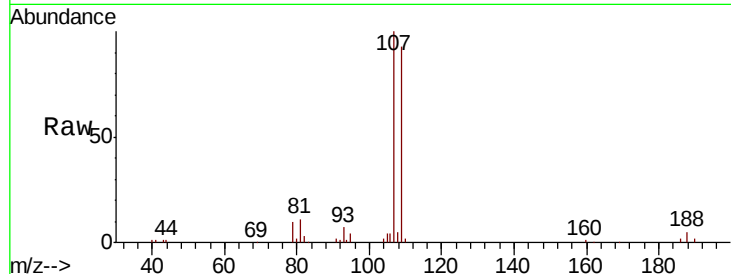




#61
 1,2-Dibromoethane
 Concen: 20.946 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. 0.00 min
 Lab File: VW015278.D
 Acq: 21 Apr 2020 22:59

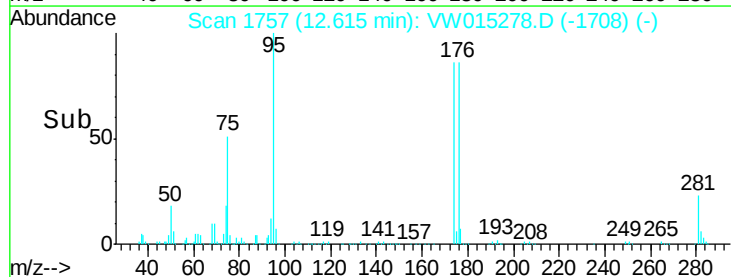
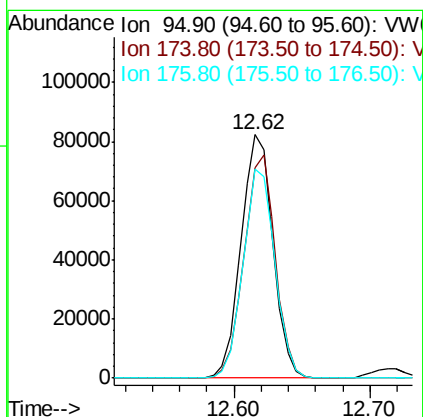
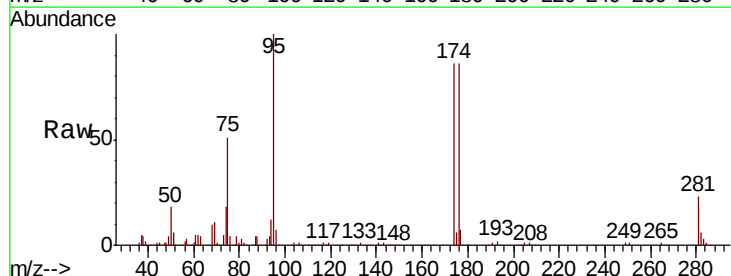
Instrument :
 MSVOA_W
 ClientSampleId :

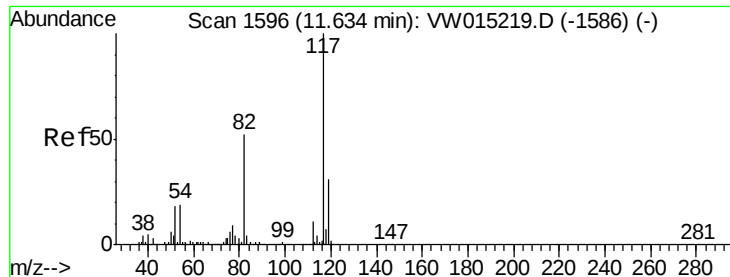
Tot Ion: 107 Resp: 29572
 Ion Ratio Lower Upper
 107 100
 109 94.2 74.3 111.5



#62
 4-Bromofluorobenzene
 Concen: 47.595 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.00 min
 Lab File: VW015278.D
 Acq: 21 Apr 2020 22:59

Tgt Ion: 95 Resp: 134815
 Ion Ratio Lower Upper
 95 100
 174 90.1 0.0 144.4
 176 85.9 0.0 140.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1595

Delta R.T. -0.01 min

Lab File: VW015278.D

Acq: 21 Apr 2020 22:59

Instrument :

MSVOA_W

ClientSampleId :

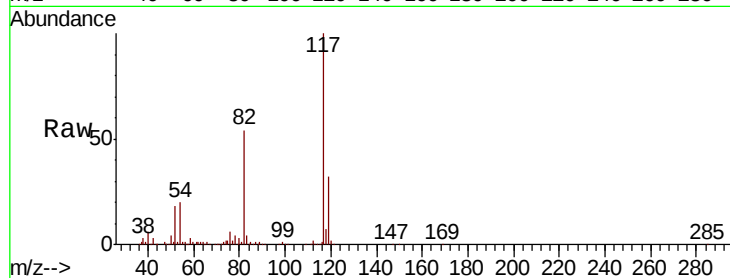
Tot Ion:117 Resp: 293584

Ion Ratio Lower Upper

117 100

82 53.7 44.1 66.1

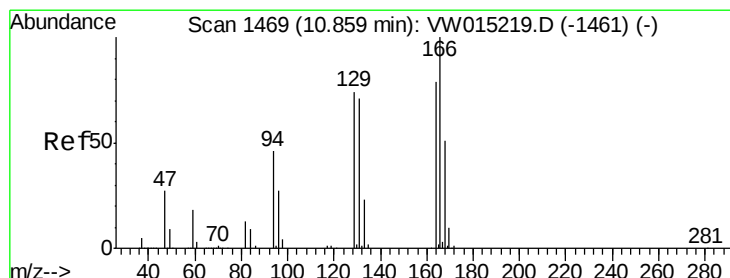
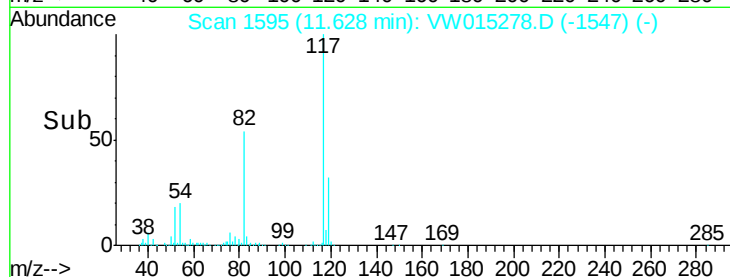
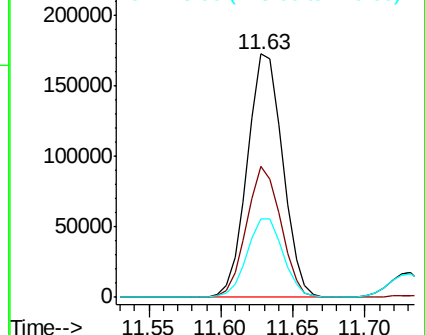
119 31.9 24.9 37.3



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: 20.540 ug/l

RT: 10.87 min Scan# 1470

Delta R.T. 0.01 min

Lab File: VW015278.D

Acq: 21 Apr 2020 22:59

Tgt Ion:164 Resp: 43038

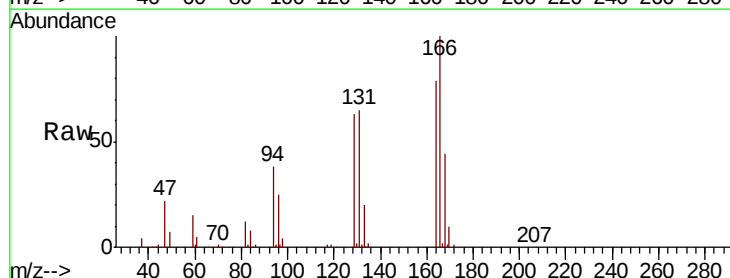
Ion Ratio Lower Upper

164 100

166 127.3 102.6 154.0

129 80.0 80.2 120.2#

131 82.7 77.4 116.2

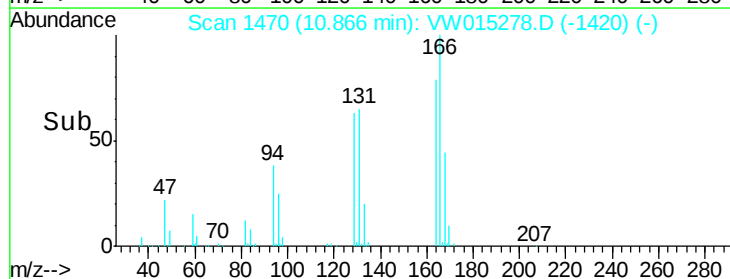
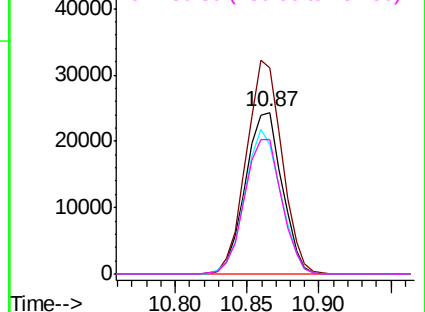


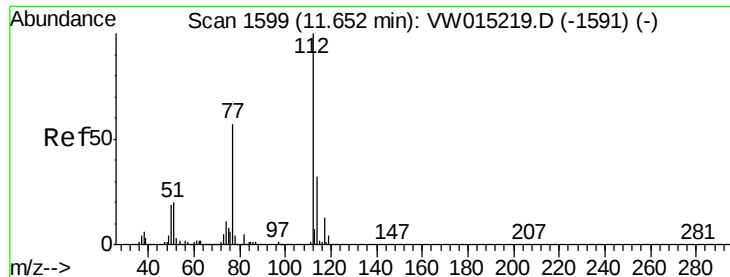
Abundance Ion 163.80 (163.50 to 164.50): V

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: 20.295 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. 0.01 min

Lab File: VW015278.D

Acq: 21 Apr 2020 22:59

Instrument :

MSVOA_W

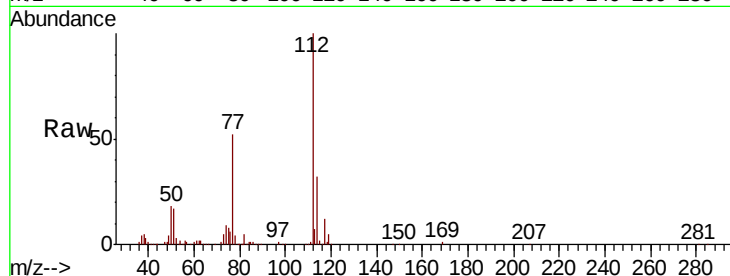
ClientSampleId :

Tot Ion:112 Resp: 116920

Ion Ratio Lower Upper

112 100

114 31.9 25.8 38.6



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.66

80000

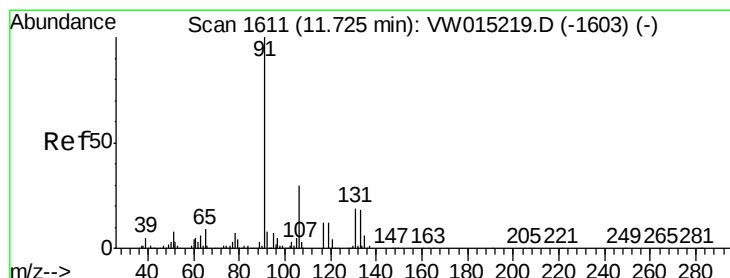
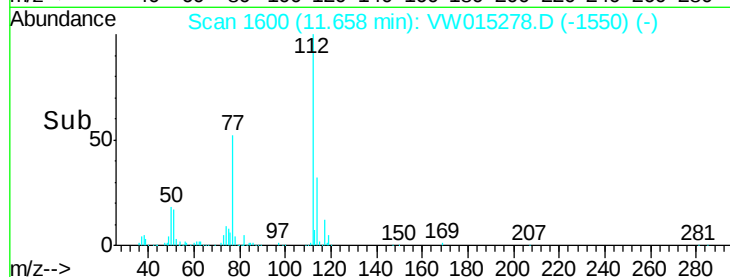
60000

40000

20000

0

Time--> 11.60 11.70



#66

1,1,1,2-Tetrachloroethane

Concen: 21.608 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.01 min

Lab File: VW015278.D

Acq: 21 Apr 2020 22:59

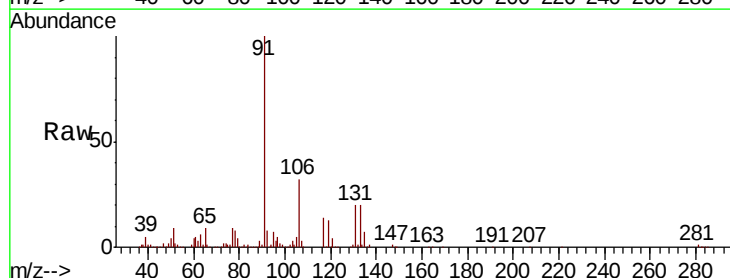
Tgt Ion:131 Resp: 44741

Ion Ratio Lower Upper

131 100

133 95.1 47.7 143.1

119 64.9 34.0 101.8



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

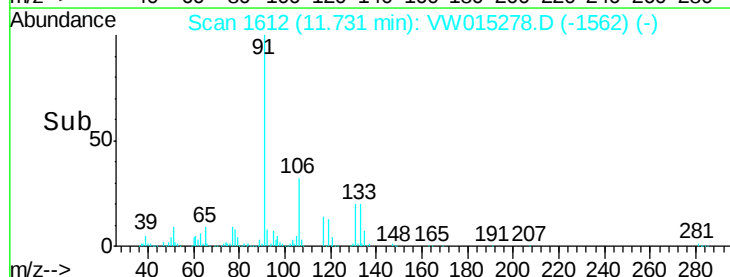
60000

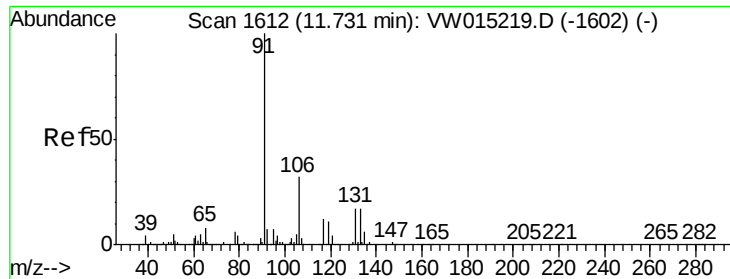
40000

20000

0

Time--> 11.70 11.80

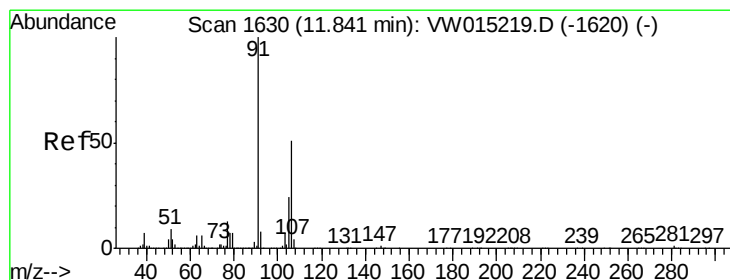
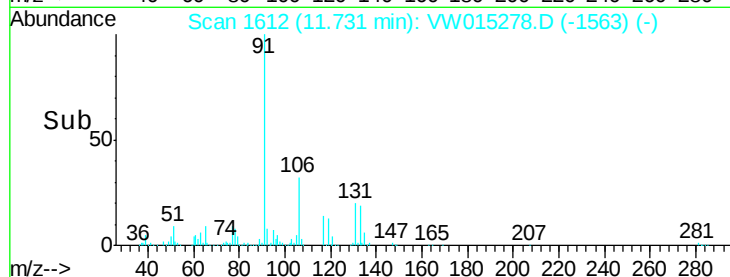
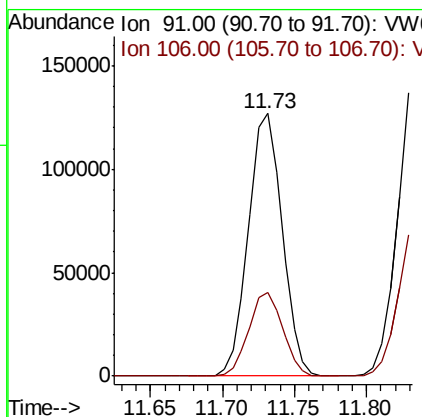
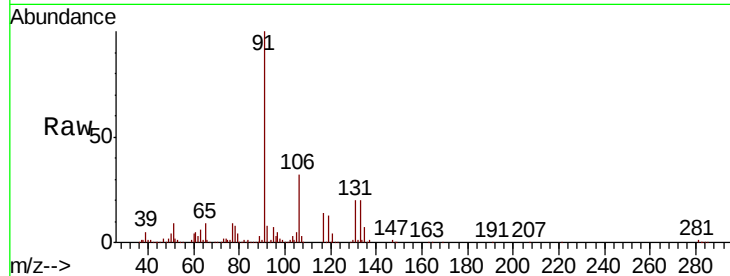




#67
Ethyl Benzene
Concen: 19.216 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW015278.D
Acq: 21 Apr 2020 22:59

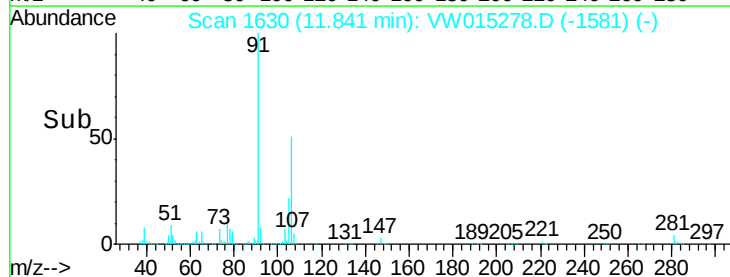
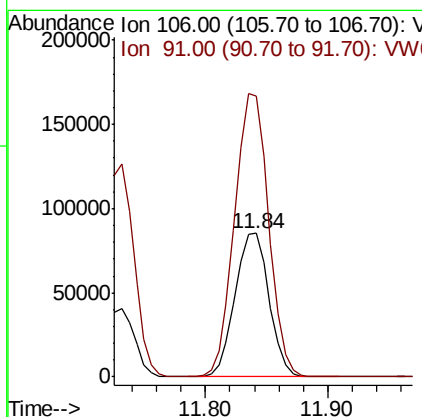
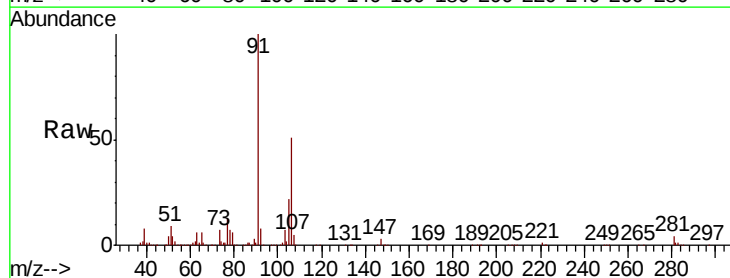
Instrument :
MSVOA_W
ClientSampleId :

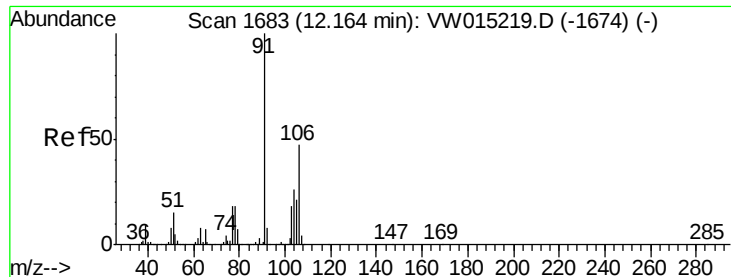
Tot Ion: 91 Resp: 206447
Ion Ratio Lower Upper
91 100
106 31.8 25.7 38.5



#68
m/p-Xylenes
Concen: 39.113 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW015278.D
Acq: 21 Apr 2020 22:59

Tgt Ion: 106 Resp: 164712
Ion Ratio Lower Upper
106 100
91 197.1 160.0 240.0

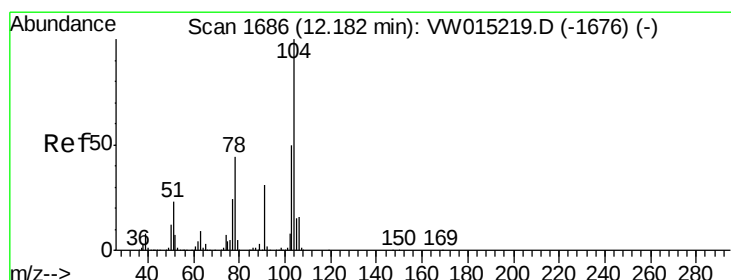
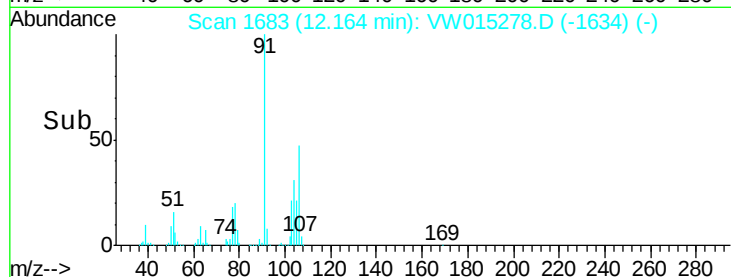
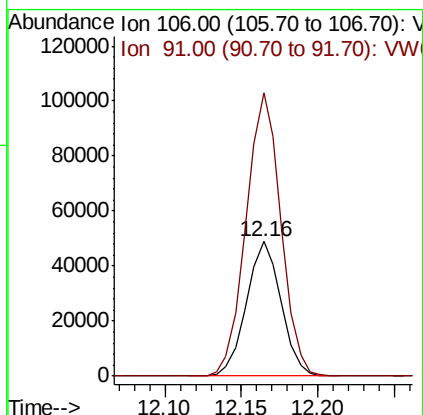
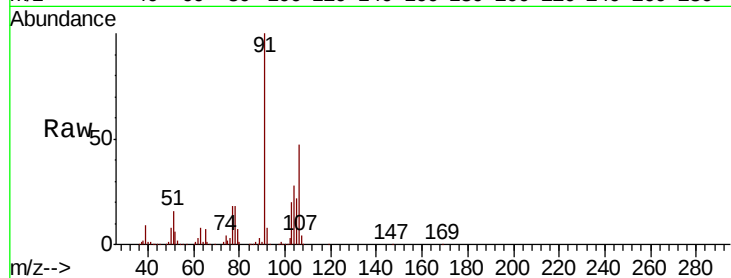




#69
o-Xylene
Concen: 19.637 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW015278.D
Acq: 21 Apr 2020 22:59

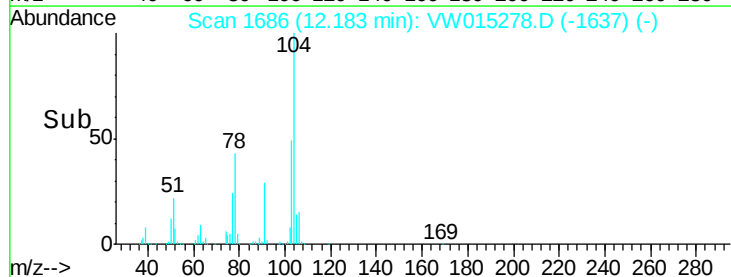
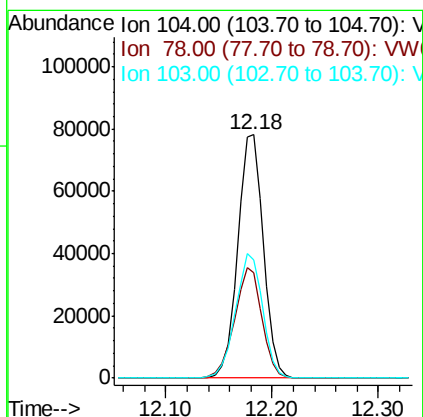
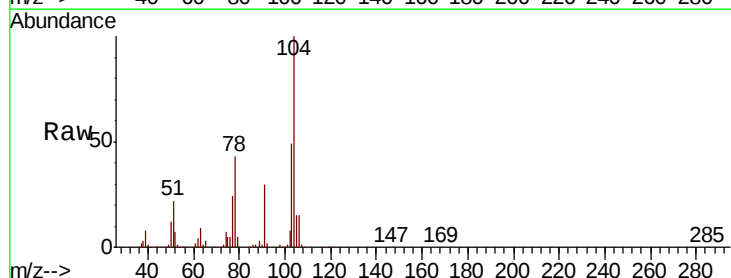
Instrument :
MSVOA_W
ClientSampleId :

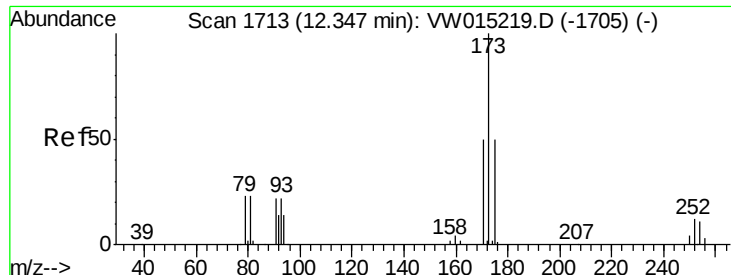
Tot Ion:106 Resp: 77186
Ion Ratio Lower Upper
106 100
91 210.6 105.7 317.1



#70
Styrene
Concen: 19.693 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW015278.D
Acq: 21 Apr 2020 22:59

Tgt Ion:104 Resp: 131946
Ion Ratio Lower Upper
104 100
78 48.5 39.8 59.6
103 54.4 43.8 65.6

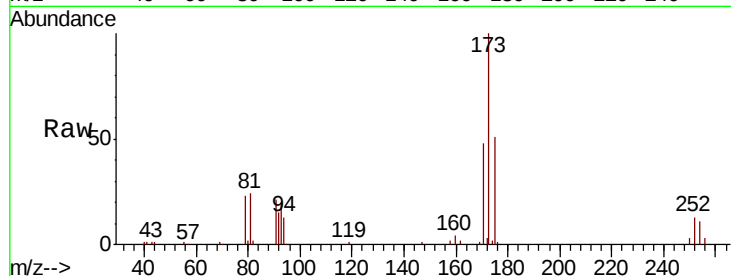




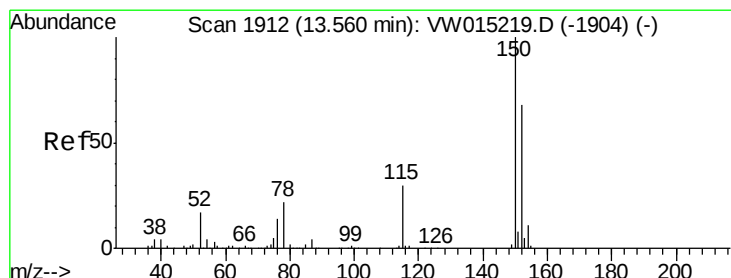
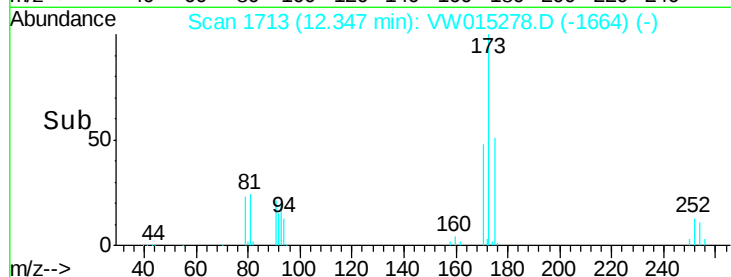
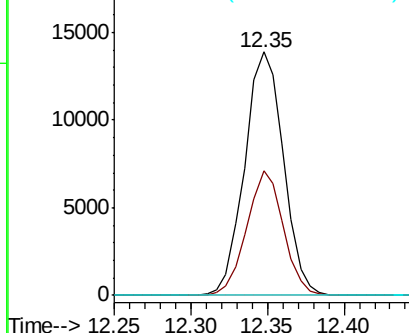
#71
Bromoform
Concen: 20.960 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. 0.00 min
Lab File: VW015278.D
Acq: 21 Apr 2020 22:59

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:173 Resp: 24453
Ion Ratio Lower Upper
173 100
175 48.5 25.1 75.4
254 0.0 0.1 0.1#

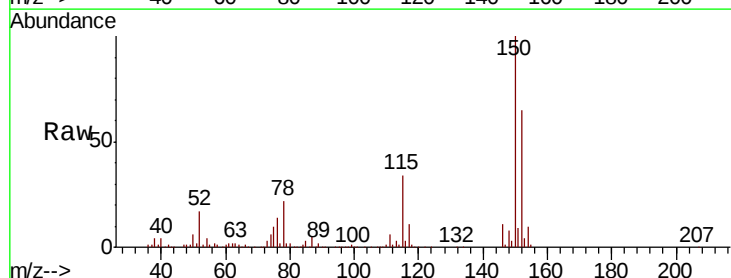


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

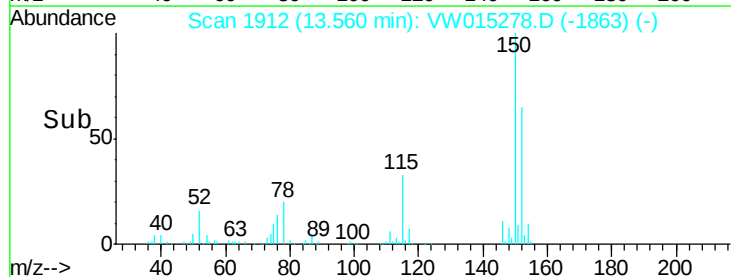
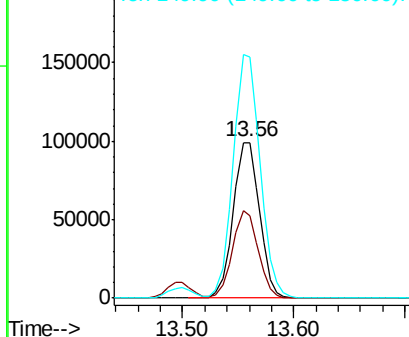


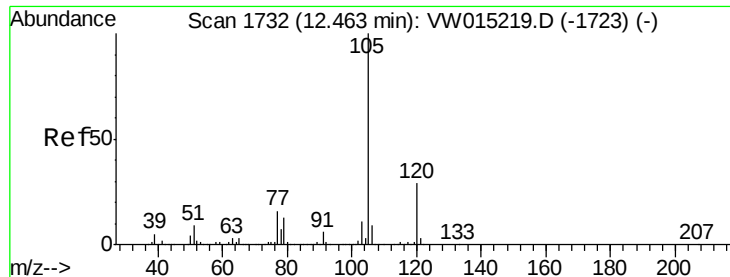
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW015278.D
Acq: 21 Apr 2020 22:59

Tgt Ion:152 Resp: 161687
Ion Ratio Lower Upper
152 100
115 54.9 31.3 93.9
150 161.2 0.0 343.4



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





#73

Isopropylbenzene

Concen: 18.736 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW015278.D

Acq: 21 Apr 2020 22:59

Instrument :

MSVOA_W

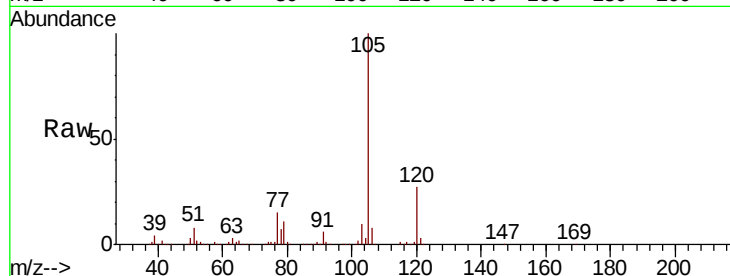
ClientSampleId :

Tot Ion:105 Resp: 210039

Ion Ratio Lower Upper

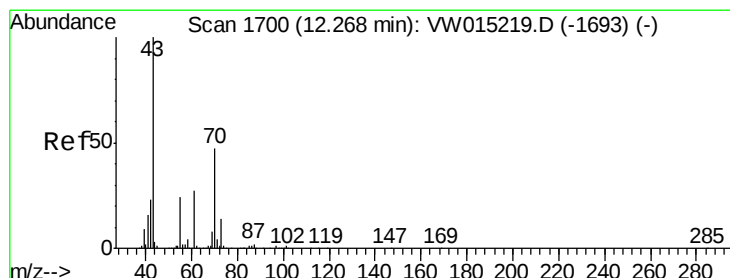
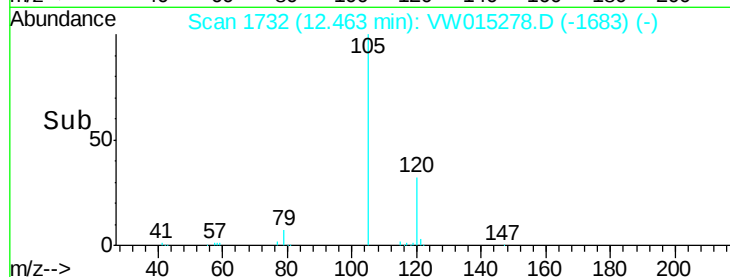
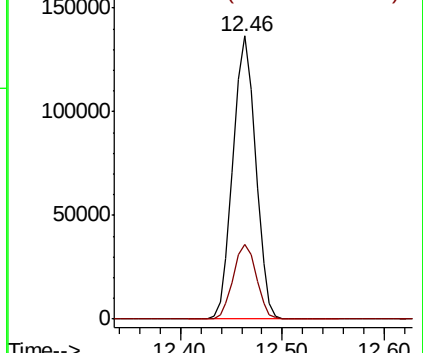
105 100

120 27.0 13.7 41.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 18.931 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.01 min

Lab File: VW015278.D

Acq: 21 Apr 2020 22:59

Tgt Ion: 43 Resp: 36922

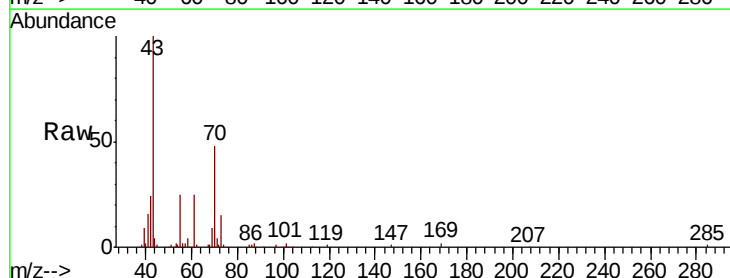
Ion Ratio Lower Upper

43 100

70 48.3 35.4 53.2

55 25.1 18.5 27.7

61 26.2 20.3 30.5

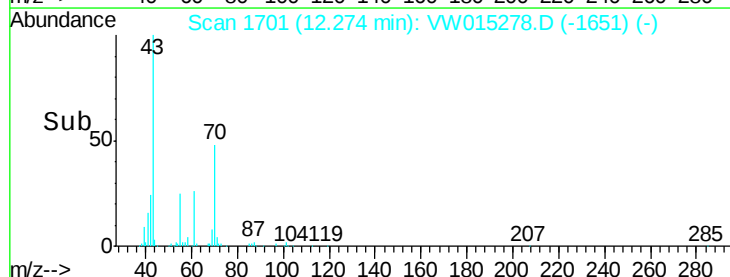
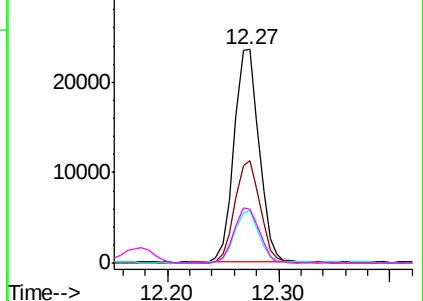


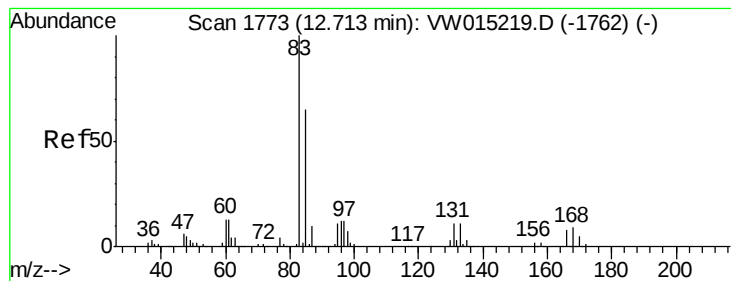
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW





#75

1,1,2,2-Tetrachloroethane

Concen: 20.046 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW015278.D

Acq: 21 Apr 2020 22:59

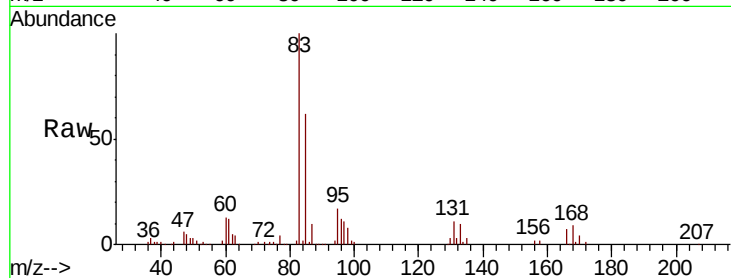
Instrument :

MSVOA_W

ClientSampled :

Tot Ion: 83 Resp: 31907

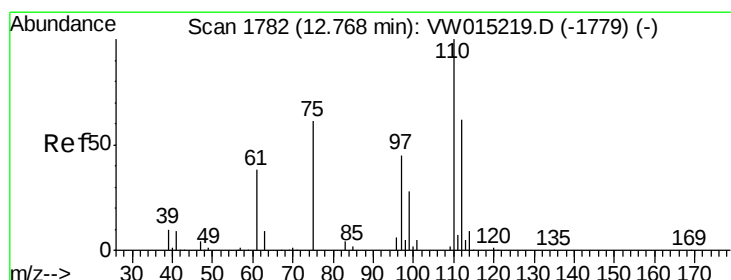
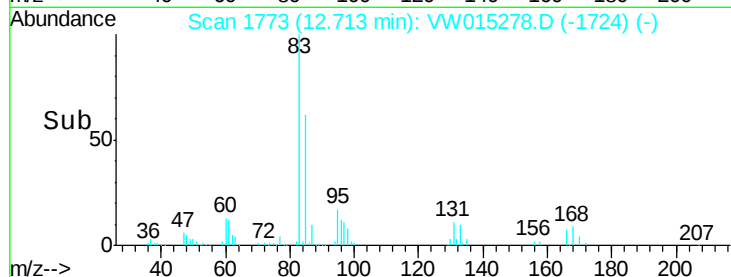
Ion	Ratio	Lower	Upper
83	100		
131	12.1	5.1	15.2
85	64.5	32.3	96.8



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 33.030 ug/l

RT: 12.77 min Scan# 1782

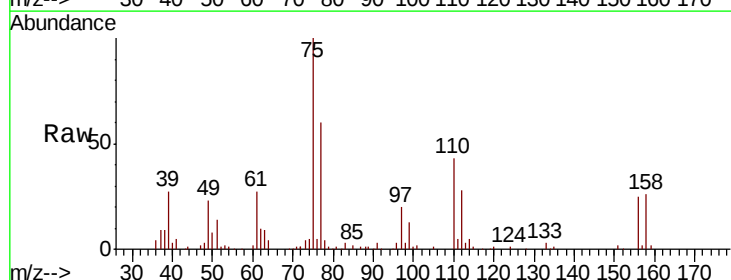
Delta R.T. 0.00 min

Lab File: VW015278.D

Acq: 21 Apr 2020 22:59

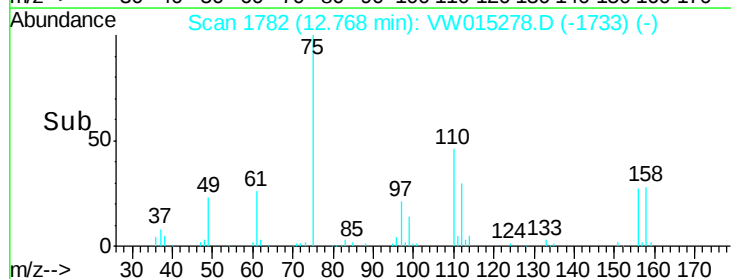
Tgt Ion: 75 Resp: 41315

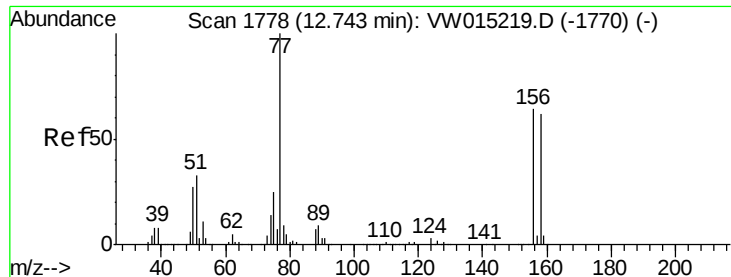
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 19.674 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VW015278.D

Acq: 21 Apr 2020 22:59

Instrument :

MSVOA_W

ClientSampled :

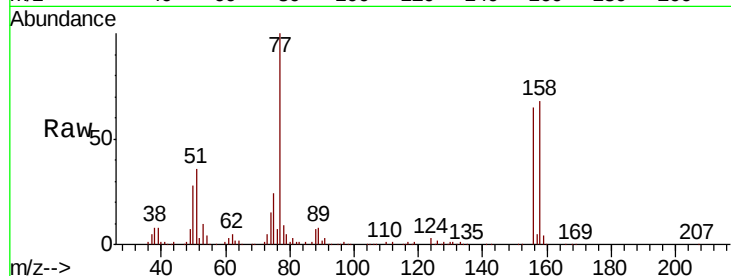
Tot Ion:156 Resp: 50672

Ion Ratio Lower Upper

156 100

77 164.6 100.5 301.5

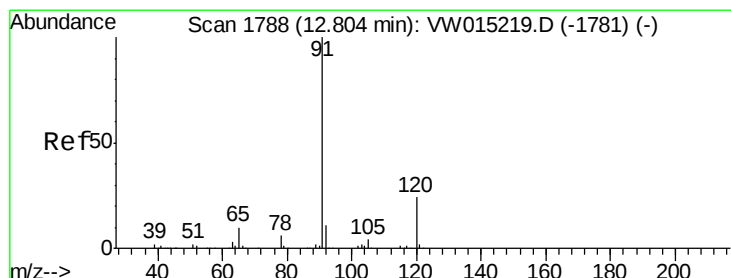
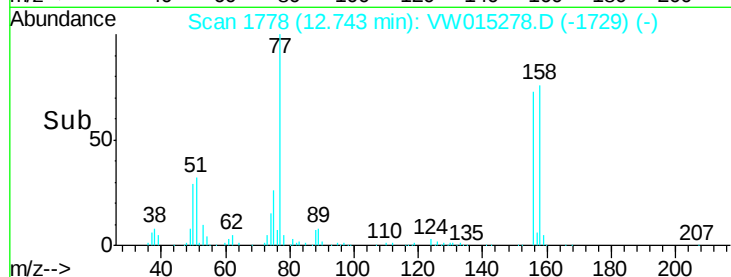
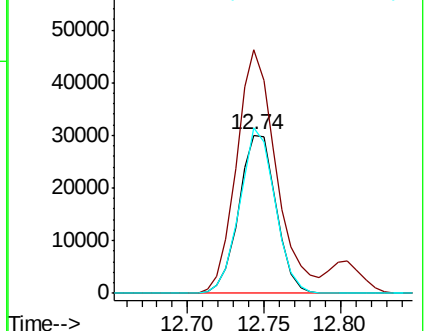
158 98.9 47.9 143.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 18.600 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW015278.D

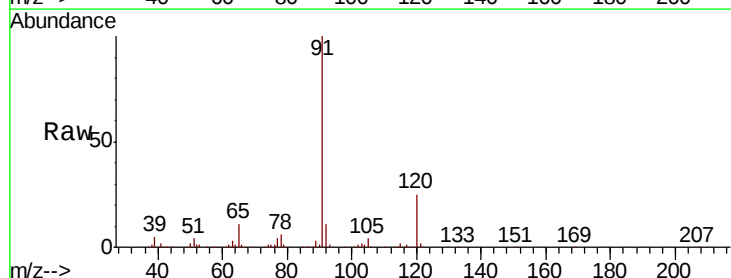
Acq: 21 Apr 2020 22:59

Tgt Ion: 91 Resp: 242780

Ion Ratio Lower Upper

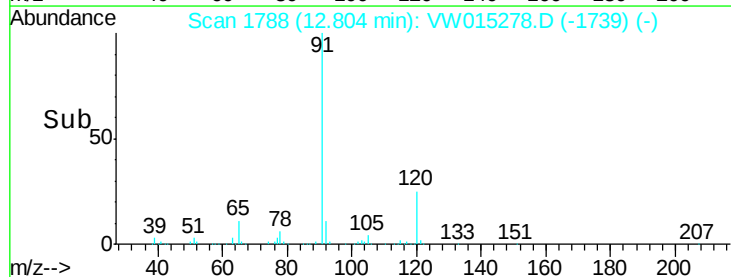
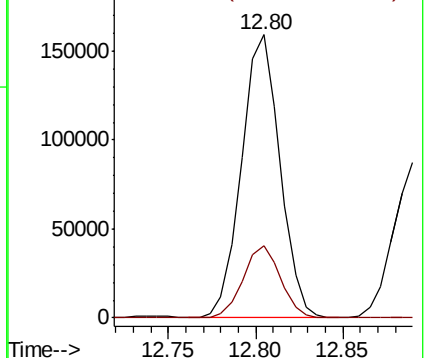
91 100

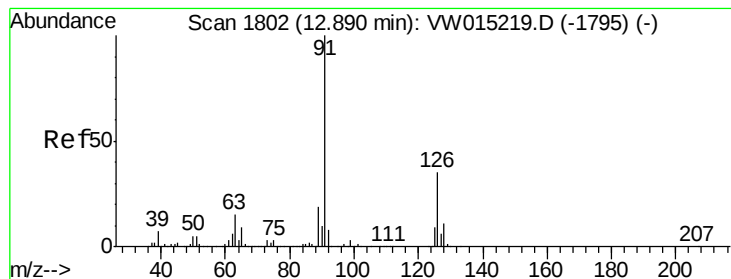
120 24.7 11.4 34.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.026 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VW015278.D

Acq: 21 Apr 2020 22:59

Instrument :

MSVOA_W

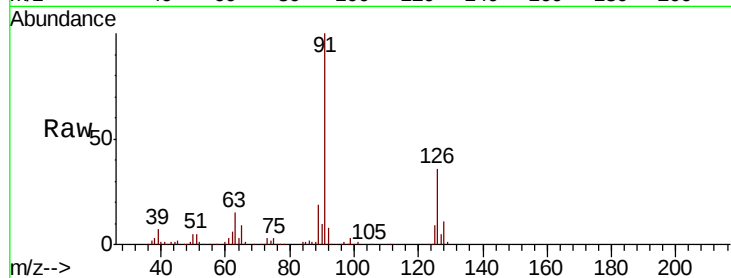
ClientSampled :

Tot Ion: 91 Resp: 139956

Ion Ratio Lower Upper

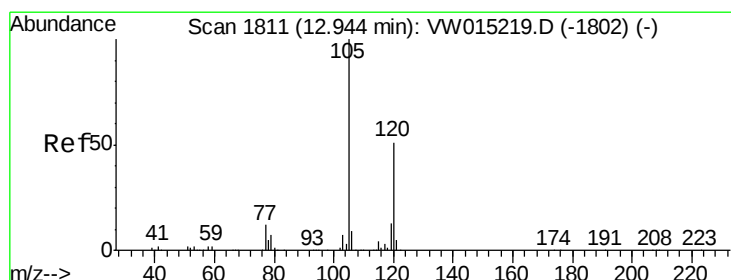
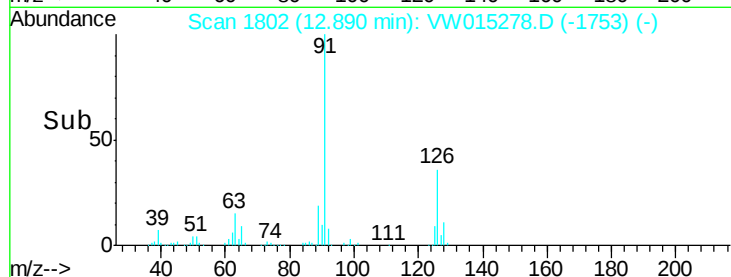
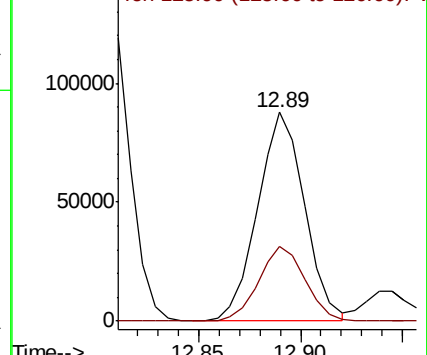
91 100

126 35.5 16.8 50.4



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 19.101 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW015278.D

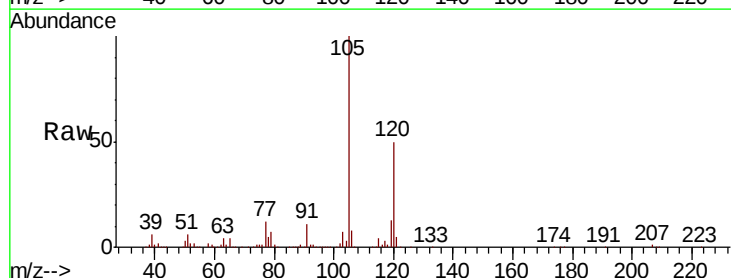
Acq: 21 Apr 2020 22:59

Tgt Ion:105 Resp: 184453

Ion Ratio Lower Upper

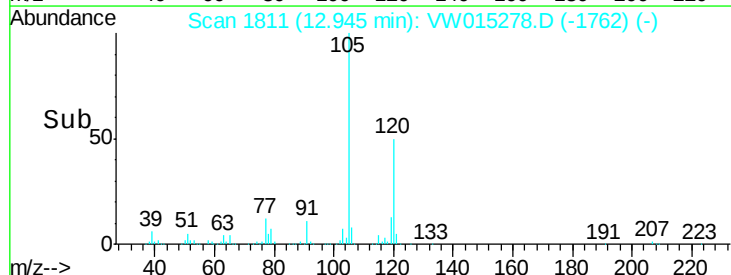
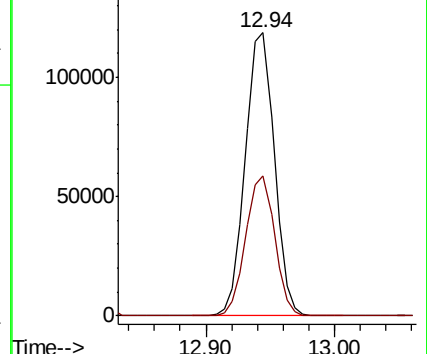
105 100

120 49.4 24.9 74.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 18.006 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW015278.D

Acq: 21 Apr 2020 22:59

Instrument :

MSVOA_W

ClientSampleId :

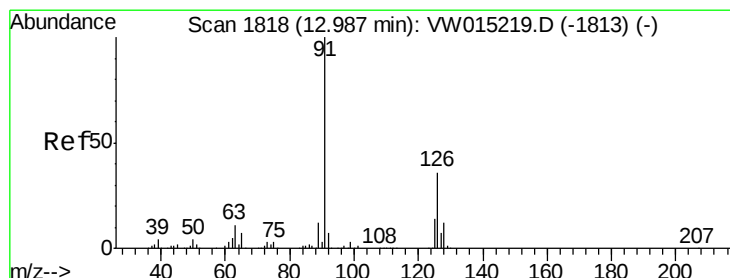
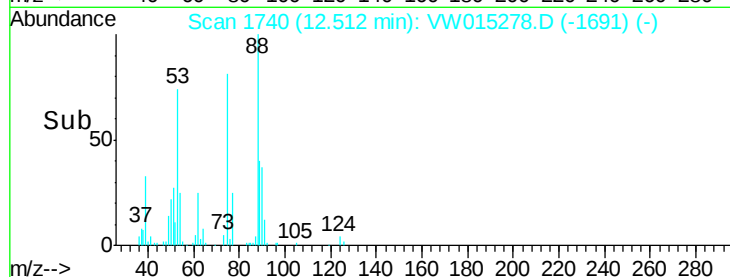
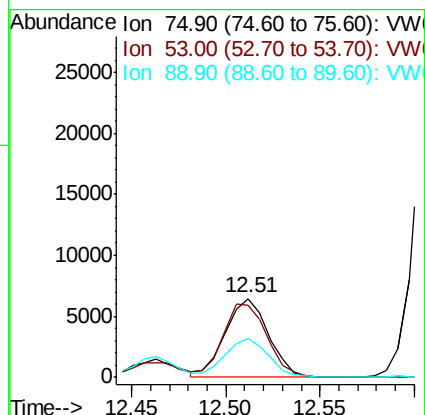
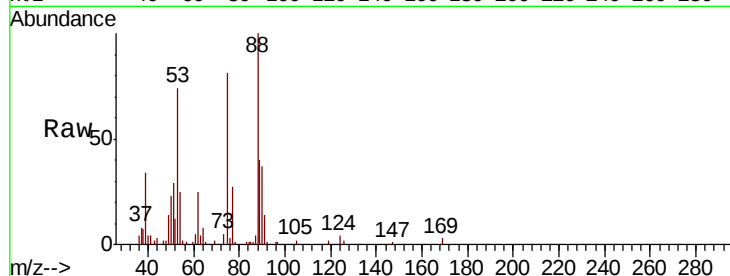
Tot Ion: 75 Resp: 10303

Ion Ratio Lower Upper

75 100

53 95.4 69.4 104.2

89 48.5 34.8 52.2



#82

4-Chlorotoluene

Concen: 18.856 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. 0.00 min

Lab File: VW015278.D

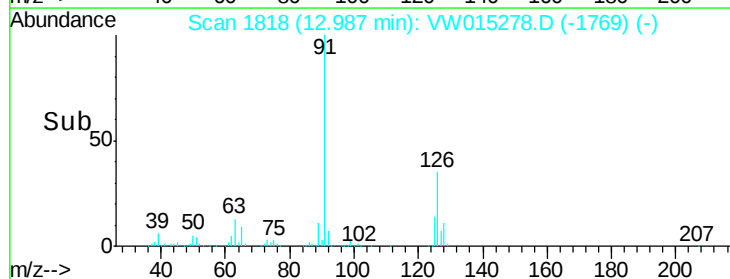
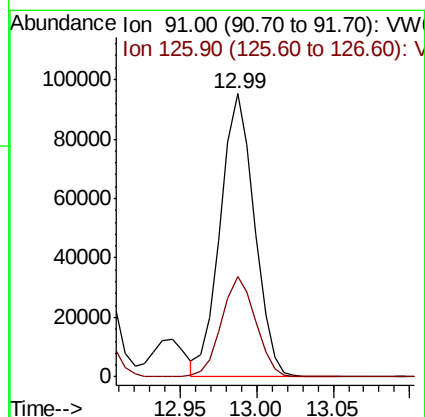
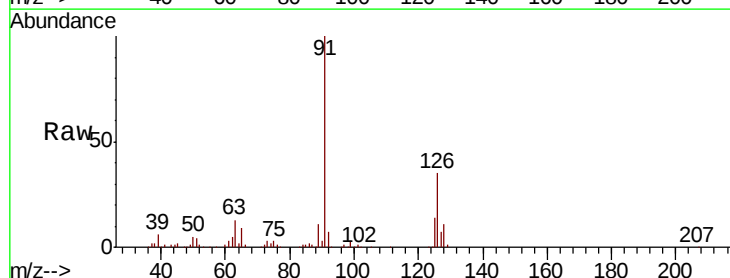
Acq: 21 Apr 2020 22:59

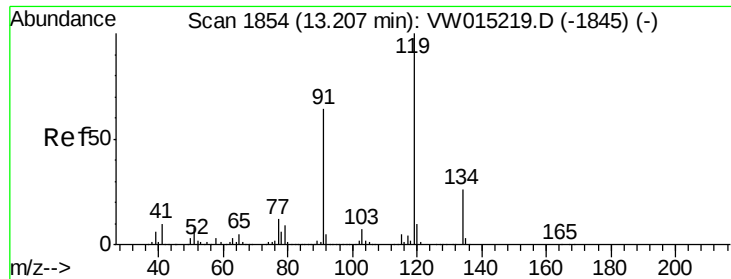
Tgt Ion: 91 Resp: 147269

Ion Ratio Lower Upper

91 100

126 35.4 16.8 50.3

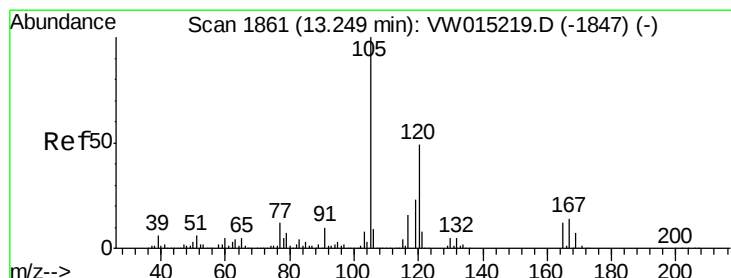
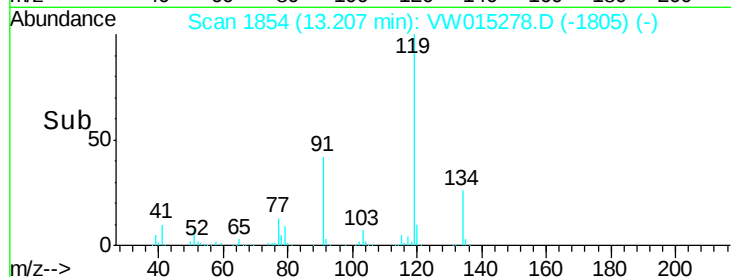
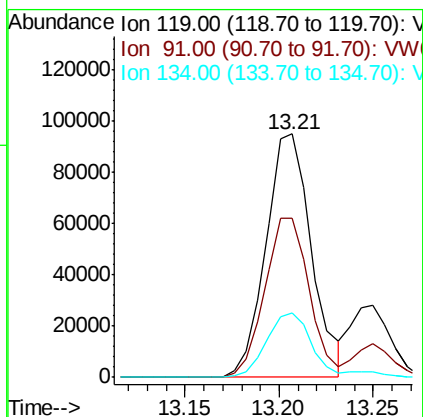
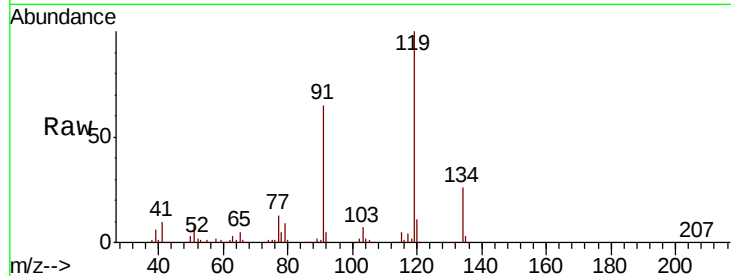




#83
tert-Butylbenzene
Concen: 18.901 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW015278.D
Acq: 21 Apr 2020 22:59

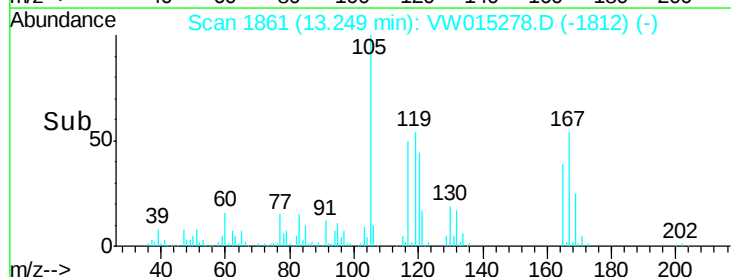
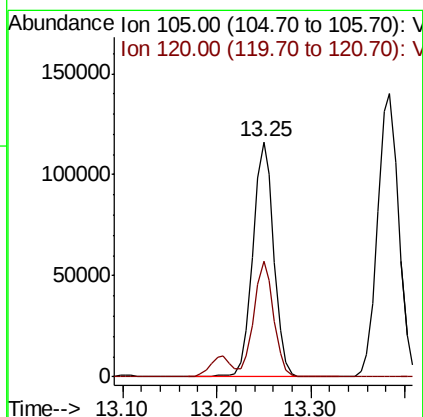
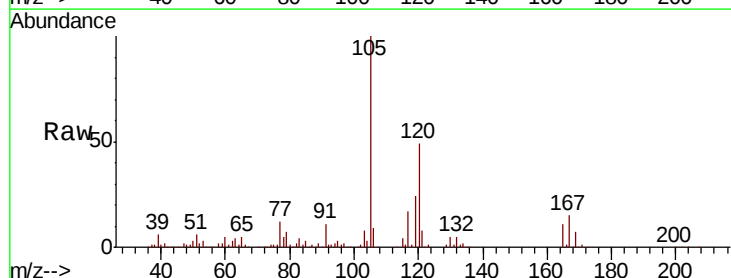
Instrument :
MSVOA_W
ClientSampled :

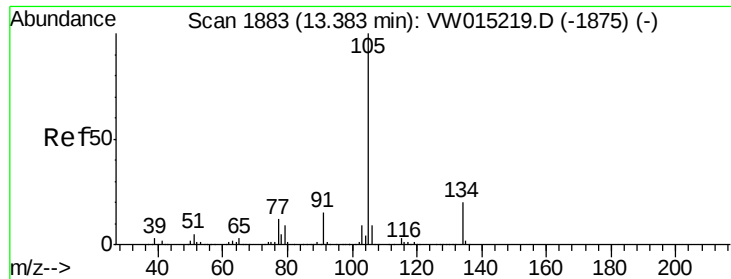
Tot Ion:119 Resp: 159534
Ion Ratio Lower Upper
119 100
91 63.8 32.8 98.3
134 27.5 13.3 39.9



#84
1,2,4-Trimethylbenzene
Concen: 19.148 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VW015278.D
Acq: 21 Apr 2020 22:59

Tgt Ion:105 Resp: 182379
Ion Ratio Lower Upper
105 100
120 47.0 23.0 69.0





#85

sec-Butylbenzene

Concen: 18.649 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW015278.D

Acq: 21 Apr 2020 22:59

Instrument :

MSVOA_W

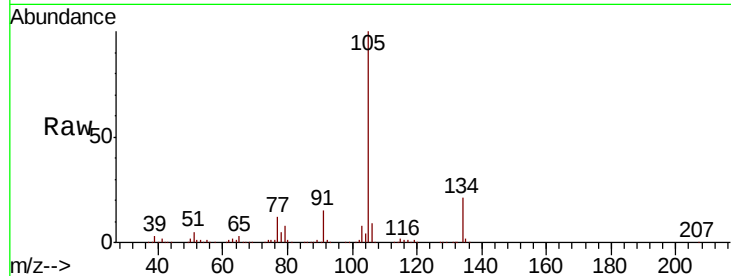
ClientSampled :

Tot Ion:105 Resp: 217379

Ion Ratio Lower Upper

105 100

134 21.0 10.1 30.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.38

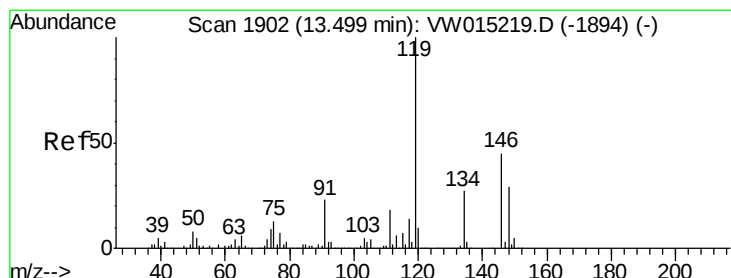
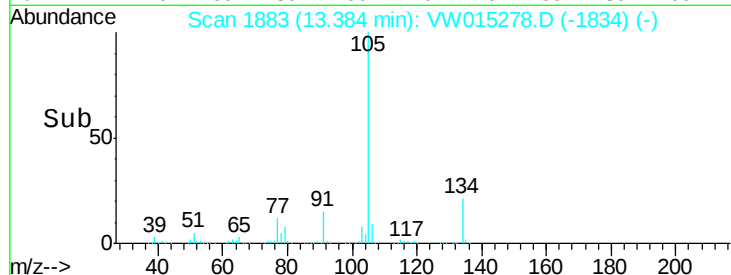
150000

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 18.926 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW015278.D

Acq: 21 Apr 2020 22:59

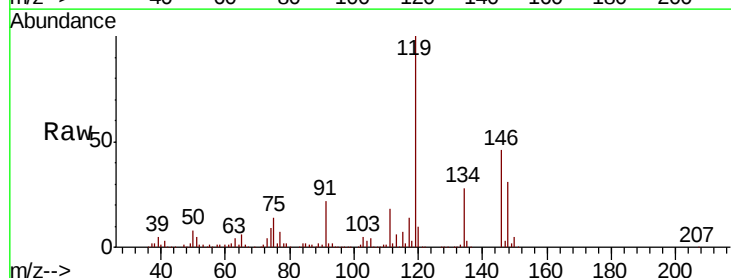
Tgt Ion:119 Resp: 204992

Ion Ratio Lower Upper

119 100

134 27.5 13.3 39.9

91 23.1 12.0 36.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.50

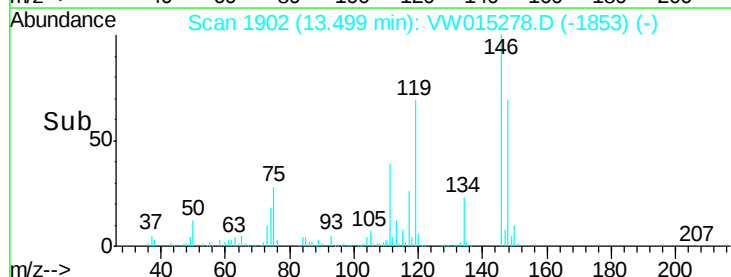
150000

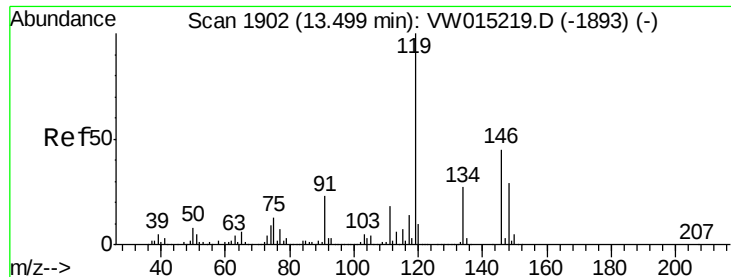
100000

50000

0

Time-->

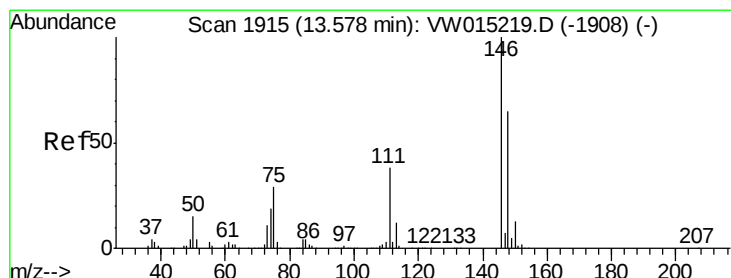
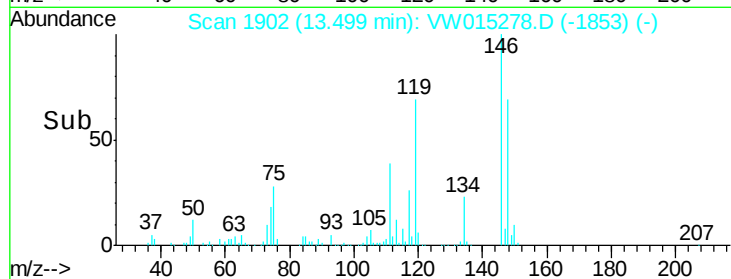
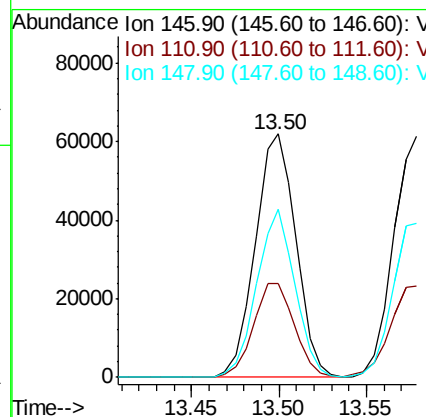
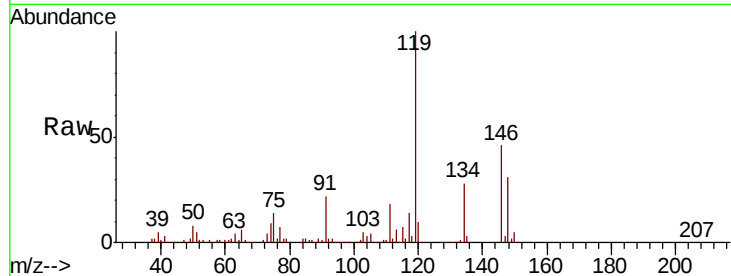




#87
 1,3-Dichlorobenzene
 Concen: 19.475 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW015278.D
 Acq: 21 Apr 2020 22:59

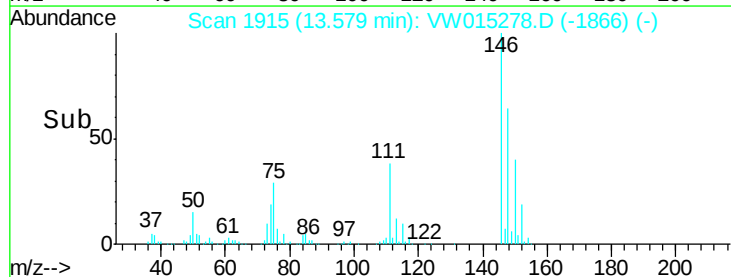
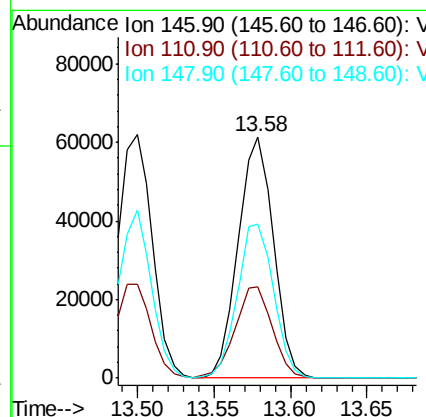
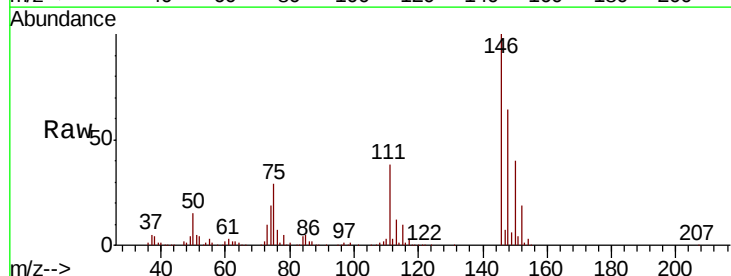
Instrument :
 MSVOA_W
 ClientSampleId :

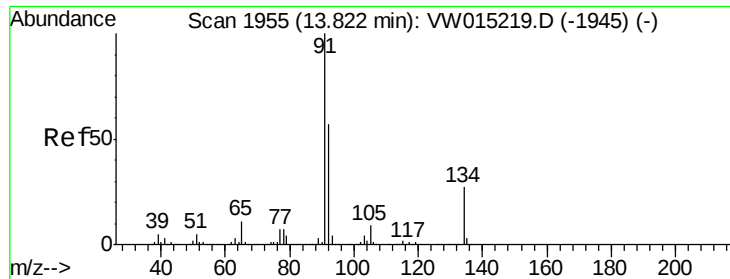
Tot Ion:146 Resp: 99661
 Ion Ratio Lower Upper
 146 100
 111 39.0 21.1 63.4
 148 65.1 31.8 95.3



#88
 1,4-Dichlorobenzene
 Concen: 19.640 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW015278.D
 Acq: 21 Apr 2020 22:59

Tgt Ion:146 Resp: 98523
 Ion Ratio Lower Upper
 146 100
 111 39.9 20.4 61.3
 148 65.6 31.5 94.5





#89

n-Butylbenzene

Concen: 17.762 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW015278.D

Acq: 21 Apr 2020 22:59

Instrument :

MSVOA_W

ClientSampleId :

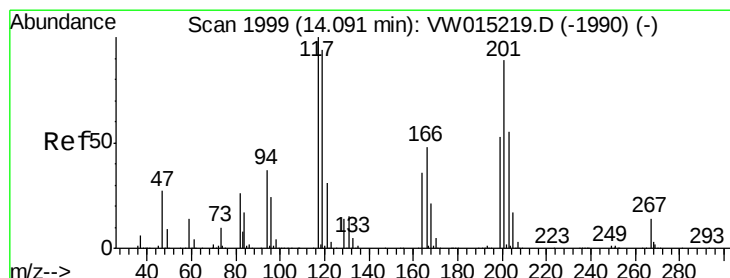
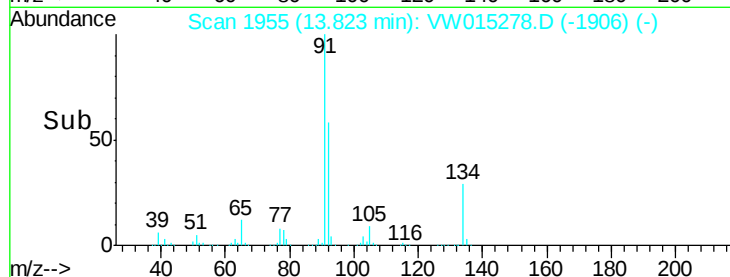
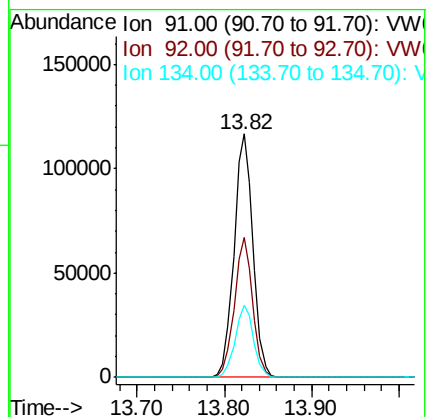
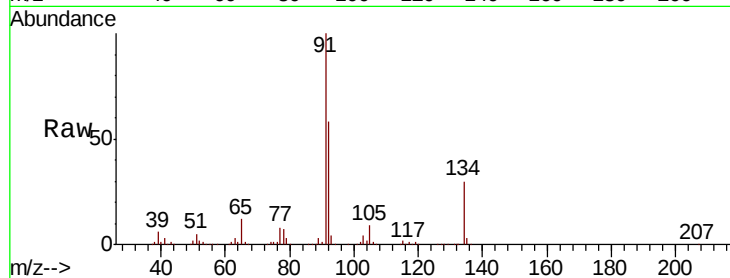
Tot Ion: 91 Resp: 175842

Ion Ratio Lower Upper

91 100

92 55.6 27.6 82.7

134 28.8 12.8 38.3



#90

Hexachloroethane

Concen: 19.105 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. 0.00 min

Lab File: VW015278.D

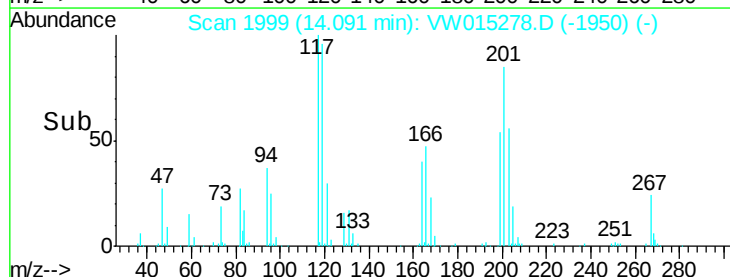
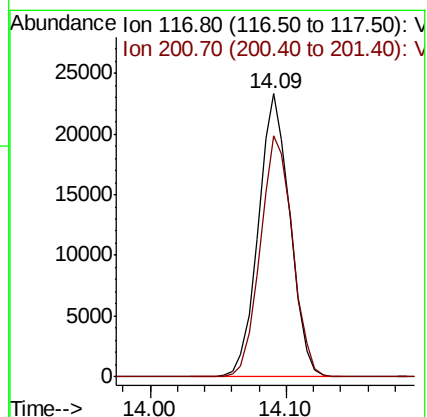
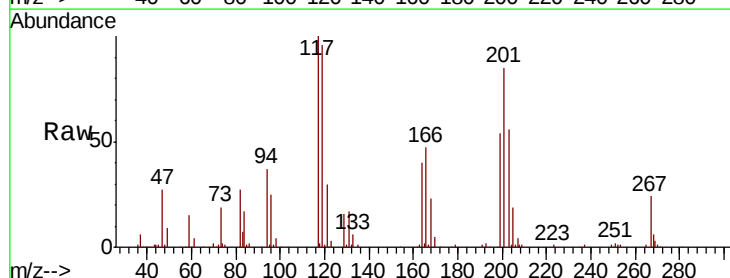
Acq: 21 Apr 2020 22:59

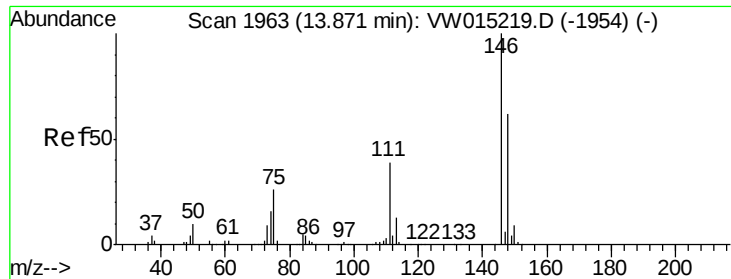
Tgt Ion: 117 Resp: 37949

Ion Ratio Lower Upper

117 100

201 86.9 33.6 100.6





#91

1,2-Dichlorobenzene

Concen: 19.924 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VW015278.D

Acq: 21 Apr 2020 22:59

Instrument :

MSVOA_W

ClientSampleId :

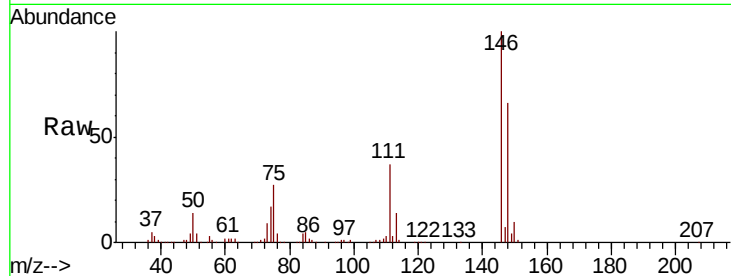
Tot Ion:146 Resp: 88600

Ion Ratio Lower Upper

146 100

111 39.6 21.6 65.0

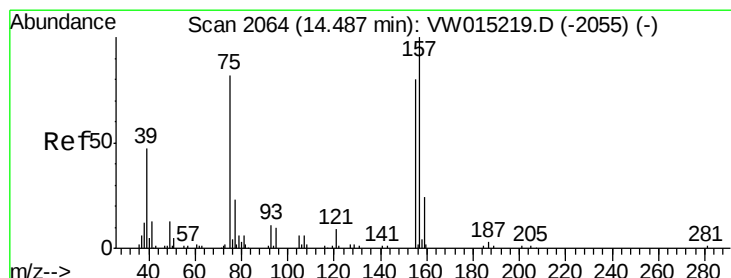
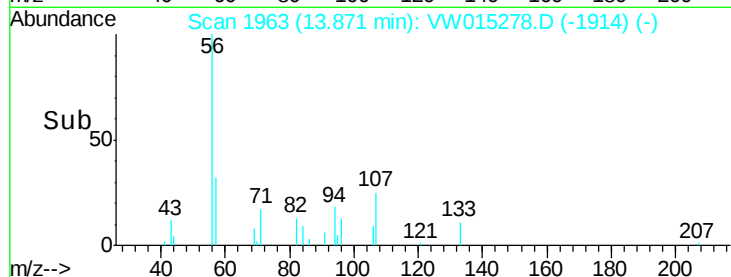
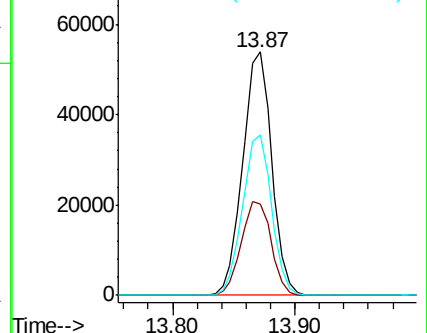
148 65.7 31.0 93.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 18.778 ug/l

RT: 14.49 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VW015278.D

Acq: 21 Apr 2020 22:59

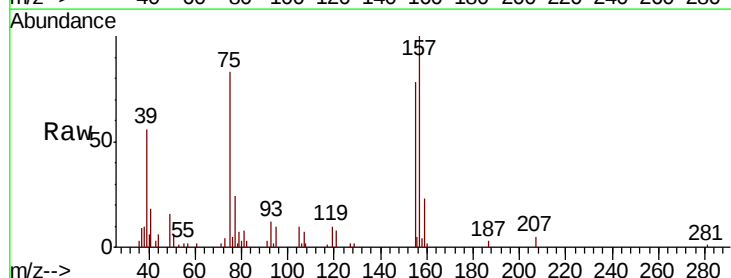
Tgt Ion: 75 Resp: 5409

Ion Ratio Lower Upper

75 100

155 92.5 41.6 124.9

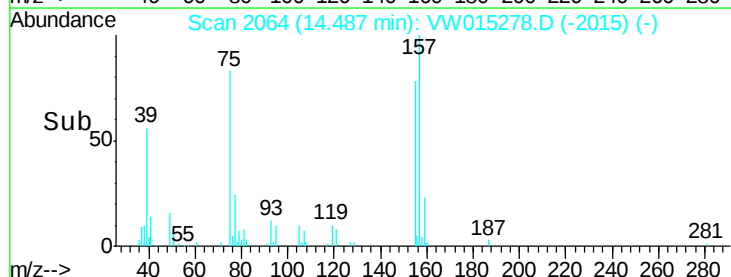
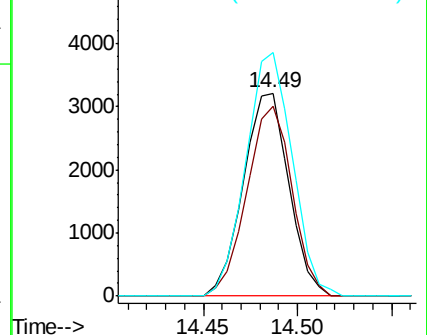
157 121.8 53.8 161.2

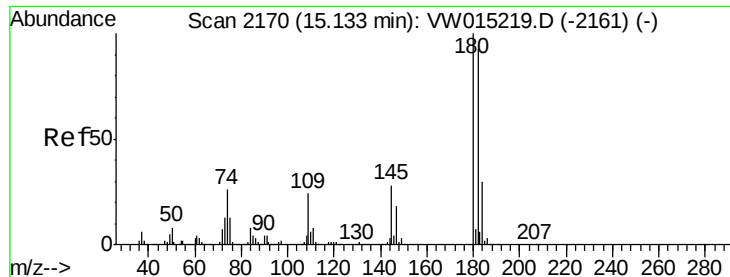


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

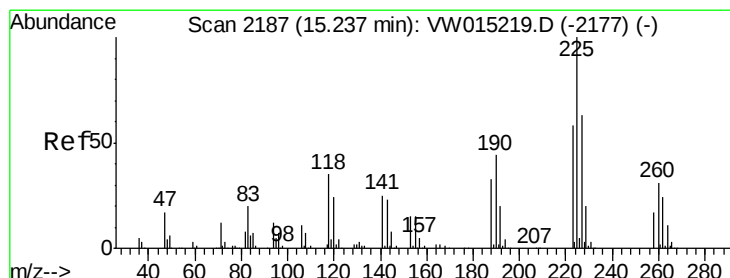
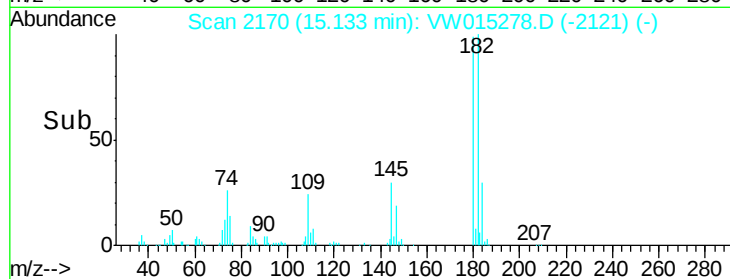
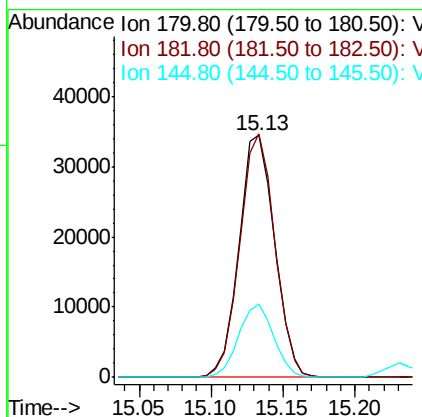
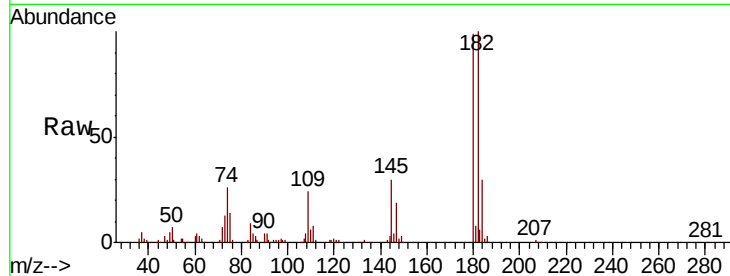




#93
 1,2,4-Trichlorobenzene
 Concen: 19.100 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW015278.D
 Acq: 21 Apr 2020 22:59

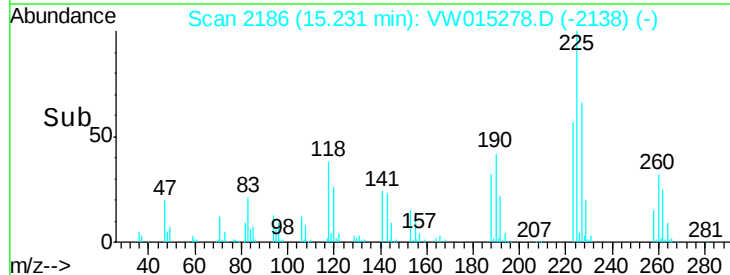
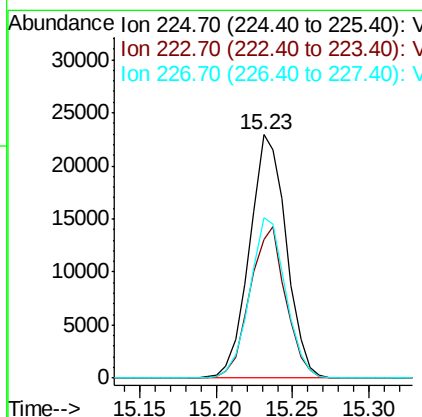
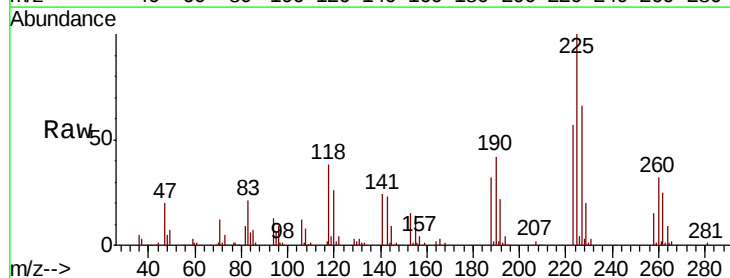
Instrument :
 MSVOA_W
 ClientSampleId :

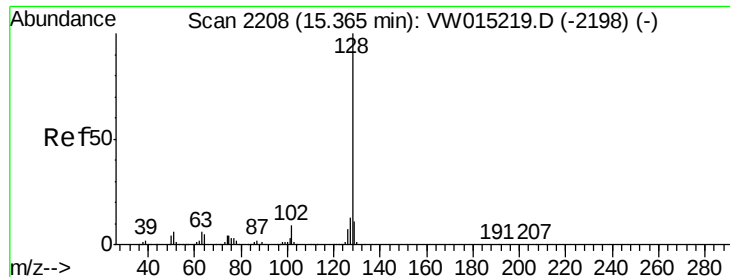
Tot Ion	Ratio	Lower	Upper
180	100		
182	98.6	47.1	141.4
145	29.8	16.2	48.6



#94
 Hexachlorobutadiene
 Concen: 18.579 ug/l
 RT: 15.23 min Scan# 2186
 Delta R.T. -0.01 min
 Lab File: VW015278.D
 Acq: 21 Apr 2020 22:59

Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.6	31.0	93.0
227	64.3	30.8	92.3

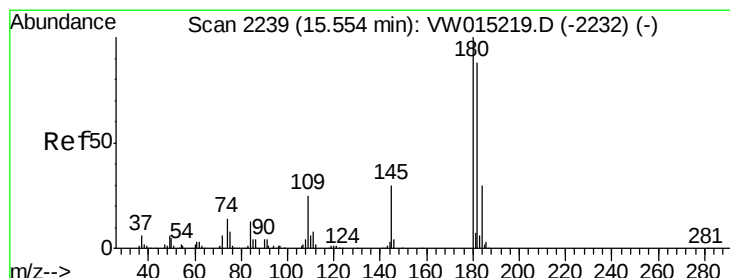
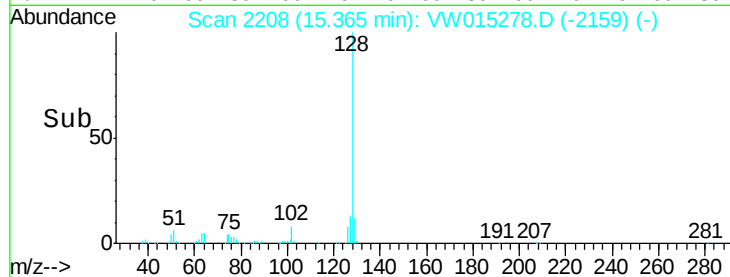
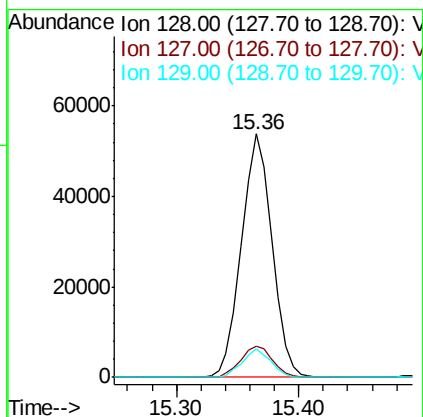
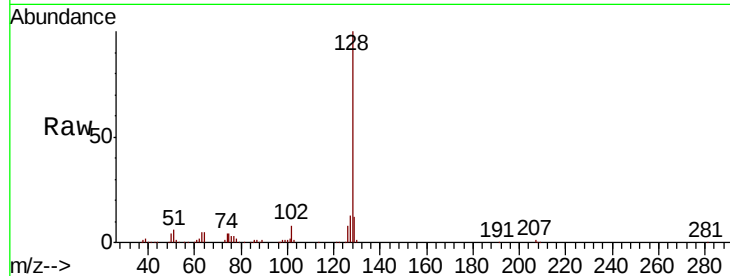




#95
Naphthalene
Concen: 18.844 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW015278.D
Acq: 21 Apr 2020 22:59

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:128 Resp: 93695
Ion Ratio Lower Upper
128 100
127 13.1 10.3 15.5
129 11.1 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 19.168 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VW015278.D
Acq: 21 Apr 2020 22:59

Tgt Ion:180 Resp: 48205
Ion Ratio Lower Upper
180 100
182 97.4 48.8 146.3
145 31.7 17.2 51.6

