

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW080620\
 Data File : VW016043.D
 Acq On : 06 Aug 2020 12:42
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Aug 07 07:39:35 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM072020S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Aug 07 03:10:56 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	294906	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	269082	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	136353	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	100459	24.14	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	96.56%
7) Chloroethane-d5	2.89	69	77772	23.01	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	92.04%
10) 1,1-Dichloroethene-d2	4.01	63	207392	24.65	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	98.60%
20) 2-Butanone-d5	7.08	46	57801	52.88	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	105.76%
24) Chloroform-d	7.65	84	216823	26.18	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	104.72%
26) 1,2-Dichloroethane-d4	8.30	65	112662	24.78	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	99.12%
29) Benzene-d6	8.27	84	439289	26.82	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	107.28%
33) 1,2-Dichloropropane-d6	9.27	67	128620	26.19	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	104.76%
37) Toluene-d8	10.32	98	416804	28.09	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	112.36%
38) trans-1,3-Dichloropropene-	10.58	79	58768	28.08	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	112.32%
39) 2-Hexanone-d5	10.93	63	48987	59.92	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	119.84%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	106728	28.28	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	113.12%
61) 1,2-Dichlorobenzene-d4	13.85	152	146199	27.50	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	110.00%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	57492	23.039	ug/L	98
3) Chloromethane	2.21	50	60597	20.078	ug/L	98
5) Vinyl chloride	2.36	62	92447	19.860	ug/L	98
6) Bromomethane	2.78	94	57703	20.778	ug/L	99
8) Chloroethane	2.93	64	57356	21.033	ug/L	100
9) Trichlorofluoromethane	3.26	101	71499	22.851	ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	98032	25.631	ug/L #	80
12) 1,1-Dichloroethene	4.03	96	95299	25.138	ug/L	89
13) Acetone	4.13	43	46686	50.858	ug/L	92
14) Carbon disulfide	4.37	76	255833	21.368	ug/L	99
15) Methyl Acetate	4.67	43	44116	25.488	ug/L	95
16) Methylene chloride	4.90	84	121680	25.180	ug/L	93
17) Methyl tert-butyl Ether	5.43	73	143382	26.746	ug/L	96
18) trans-1,2-Dichloroethene	5.42	96	100864	25.196	ug/L	95
19) 1,1-Dichloroethane	6.21	63	181045	24.541	ug/L	98
21) 2-Butanone	7.18	43	61153	53.872	ug/L	97
22) cis-1,2-Dichloroethene	7.16	96	110286	26.332	ug/L	94

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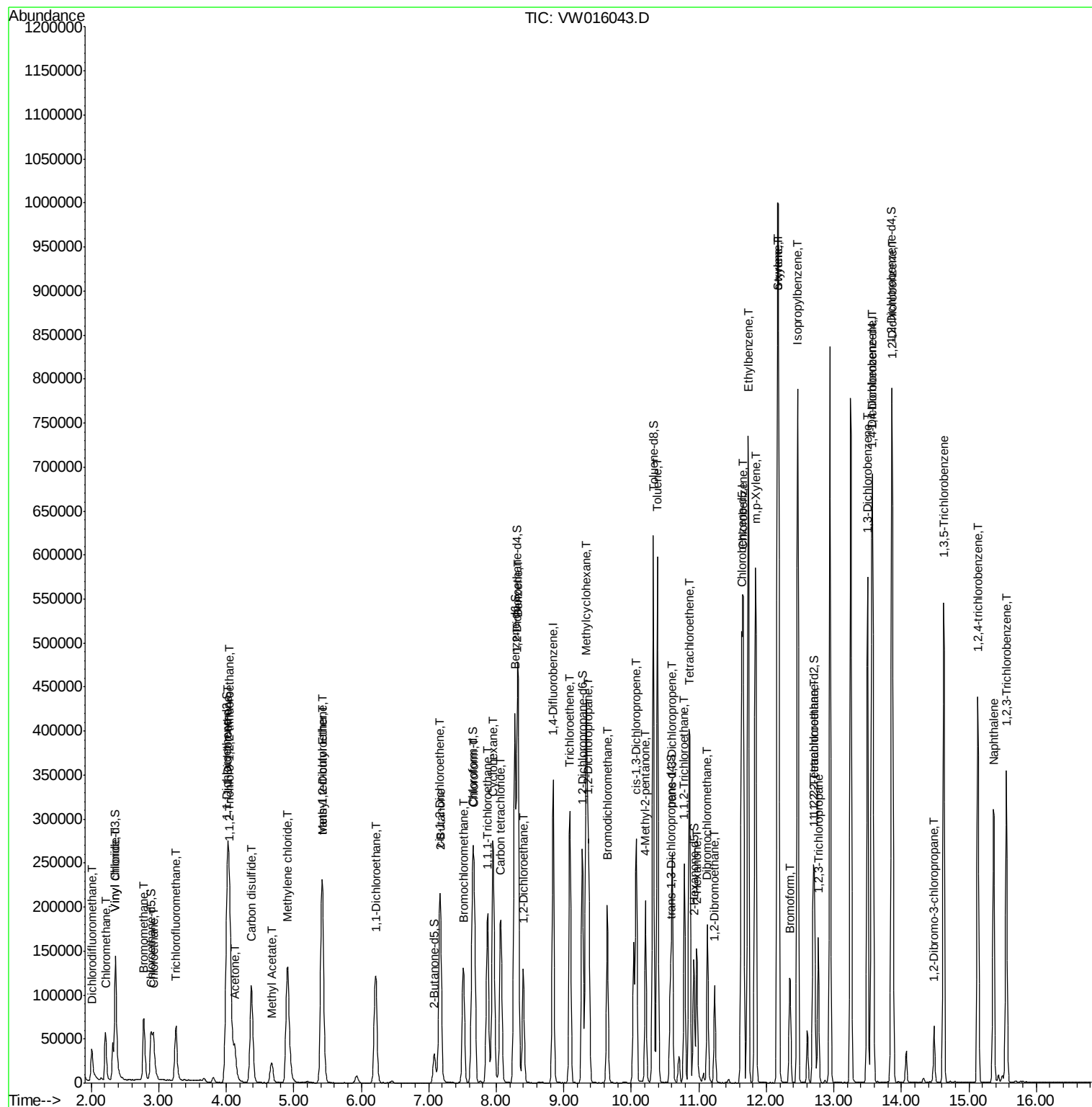
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	51480	28.030	ug/L	85
25) Chloroform	7.67	83	189642	25.938	ug/L	99
27) 1,2-Dichloroethane	8.40	62	118584	23.836	ug/L	97
30) Cyclohexane	7.95	56	157939	23.278	ug/L	95
31) 1,1,1-Trichloroethane	7.87	97	158279	25.191	ug/L	97
32) Carbon tetrachloride	8.06	117	149877	26.306	ug/L	99
34) Benzene	8.32	78	410711	25.131	ug/L	100
35) Trichloroethene	9.09	95	110080	25.462	ug/L	94
36) Methylcyclohexane	9.34	83	183842	24.783	ug/L	96
40) 1,2-Dichloropropane	9.37	63	101815	25.148	ug/L	98
41) Bromodichloromethane	9.65	83	137724	26.341	ug/L	96
42) cis-1,3-Dichloropropene	10.07	75	164803	26.727	ug/L	100
43) 4-Methyl-2-pentanone	10.21	43	128367	54.320	ug/L	95
44) Toluene	10.39	91	453981	26.485	ug/L	99
45) trans-1,3-Dichloropropene	10.61	75	143960	26.935	ug/L	97
46) 1,1,2-Trichloroethane	10.79	97	81159	27.876	ug/L	94
47) Tetrachloroethene	10.86	164	98346	29.307	ug/L	94
49) 2-Hexanone	10.97	43	87981	52.464	ug/L #	92
50) Dibromochloromethane	11.13	129	98911	29.345	ug/L	97
51) 1,2-Dibromoethane	11.24	107	77569	27.851	ug/L	98
52) Chlorobenzene	11.66	112	293544	26.726	ug/L	98
53) Ethylbenzene	11.73	91	508570	26.386	ug/L	99
54) m,p-Xylene	11.84	106	197519	27.391	ug/L	98
55) o-xylene	12.17	106	185823	27.366	ug/L	100
56) Styrene	12.18	104	328624	28.459	ug/L	97
57) Isopropylbenzene	12.46	105	525530	28.431	ug/L	98
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	95332	27.885	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	71757	28.014	ug/L	99
62) Bromoform	12.35	173	58519	29.174	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	237343	27.197	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	235360	26.574	ug/L	96
65) 1,2-Dichlorobenzene	13.87	146	217855	27.483	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	16458	27.585	ug/L	91
67) 1,3,5-Trichlorobenzene	14.63	180	176033	28.688	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	148301	30.428	ug/L	99
69) Naphthalene	15.36	128	276989	30.166	ug/L	100
70) 1,2,3-Trichlorobenzene	15.55	180	131152	30.201	ug/L	98

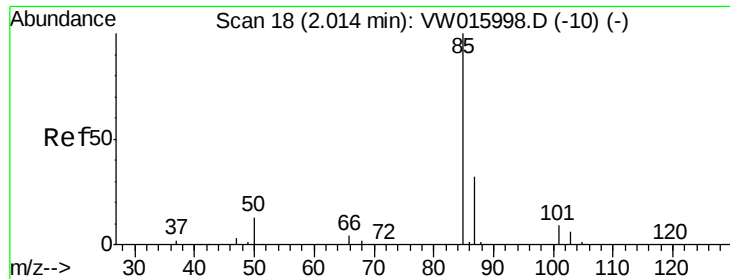
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 23.039 ug/L

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW016043.D

Acq: 06 Aug 2020 12:42

Instrument :

MSVOA_W

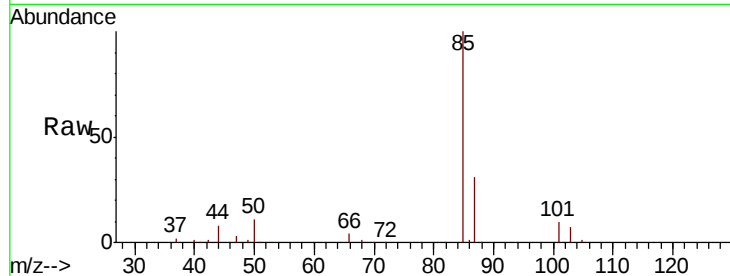
ClientSampleId :

Tot Ion: 85 Resp: 57492

Ion Ratio Lower Upper

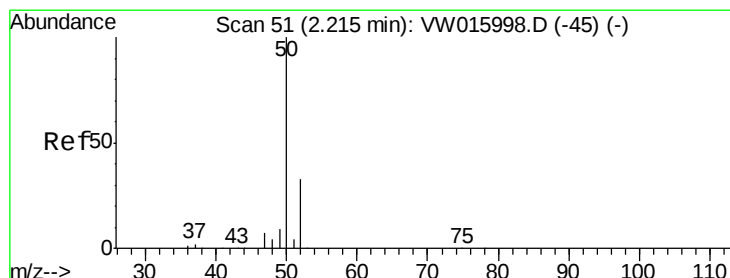
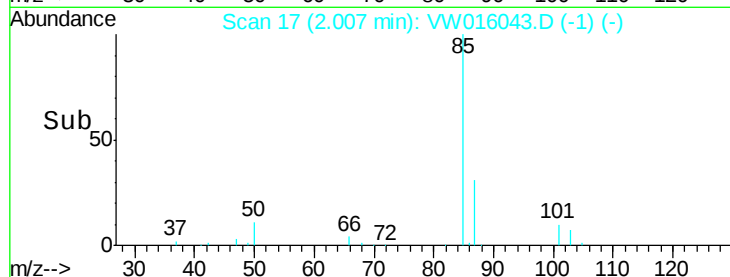
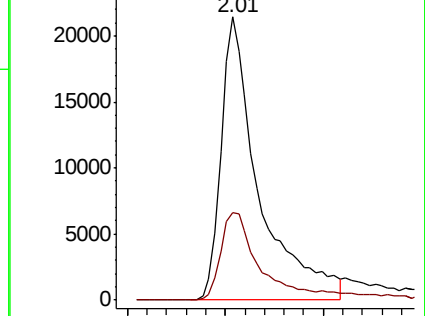
85 100

87 31.0 21.0 39.0



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 20.078 ug/L

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW016043.D

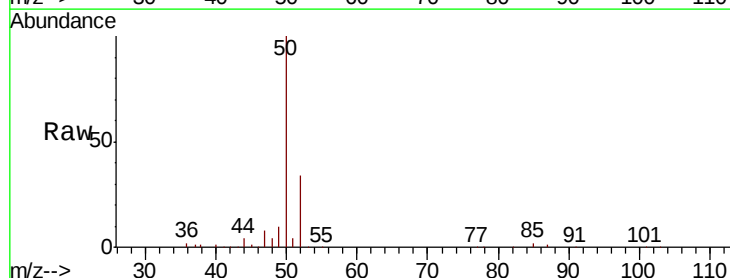
Acq: 06 Aug 2020 12:42

Tgt Ion: 50 Resp: 60597

Ion Ratio Lower Upper

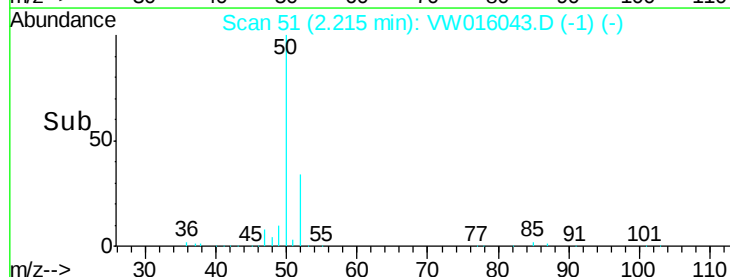
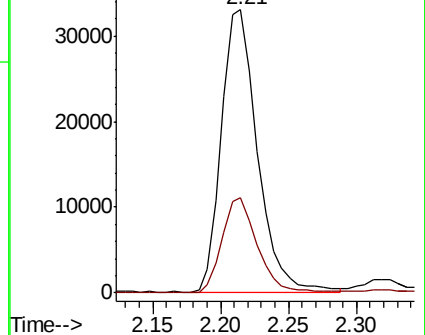
50 100

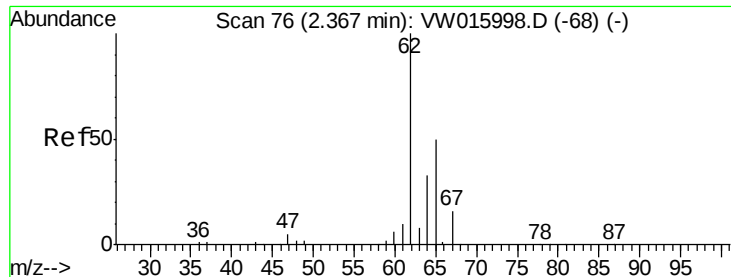
52 33.5 22.8 42.4



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 19.860 ug/L

RT: 2.36 min Scan# 75

Delta R.T. -0.01 min

Lab File: VW016043.D

Acq: 06 Aug 2020 12:42

Instrument :

MSVOA_W

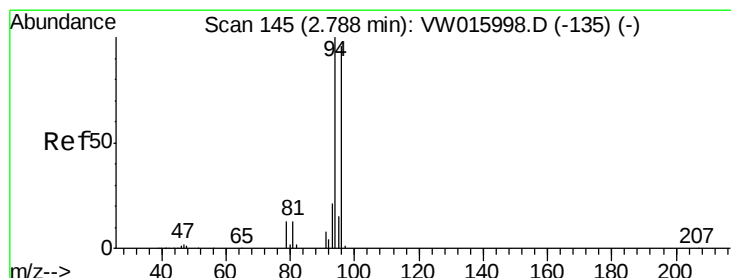
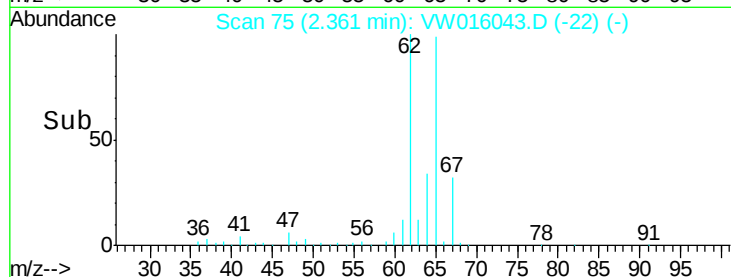
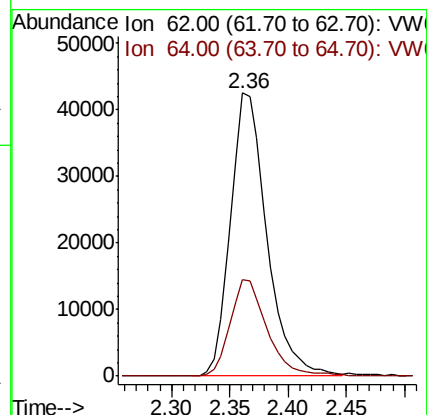
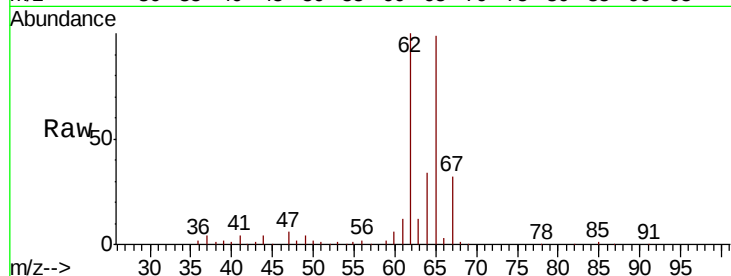
ClientSampleId :

Tot Ion: 62 Resp: 92447

Ion Ratio Lower Upper

62 100

64 34.0 23.2 43.0



#6

Bromomethane

Concen: 20.778 ug/L

RT: 2.78 min Scan# 144

Delta R.T. -0.01 min

Lab File: VW016043.D

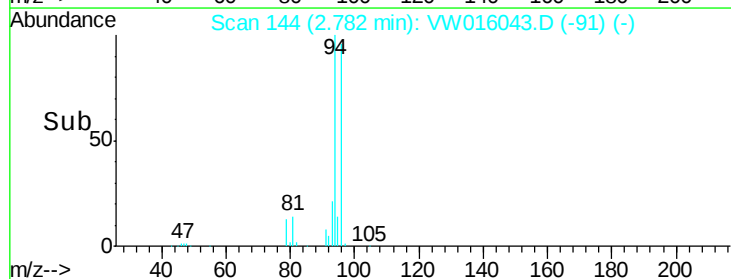
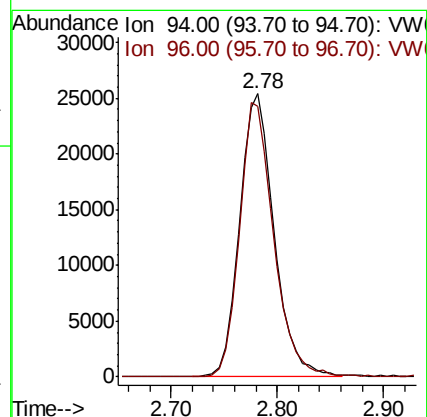
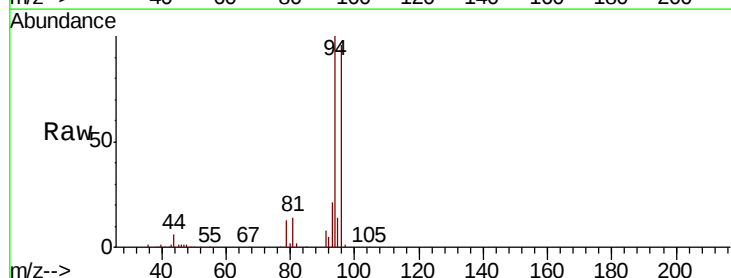
Acq: 06 Aug 2020 12:42

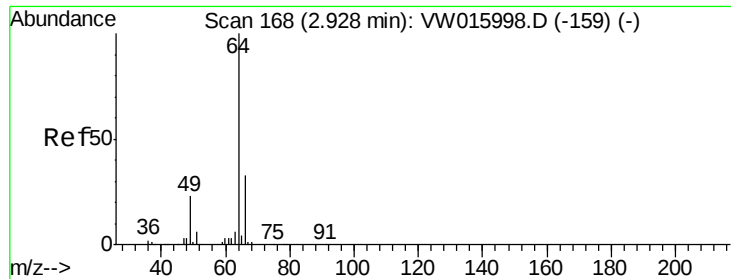
Tgt Ion: 94 Resp: 57703

Ion Ratio Lower Upper

94 100

96 96.3 9.5 180.1

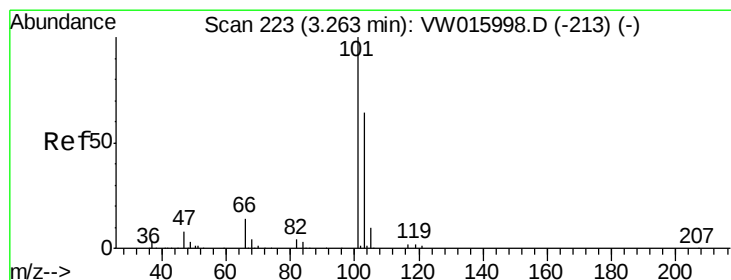
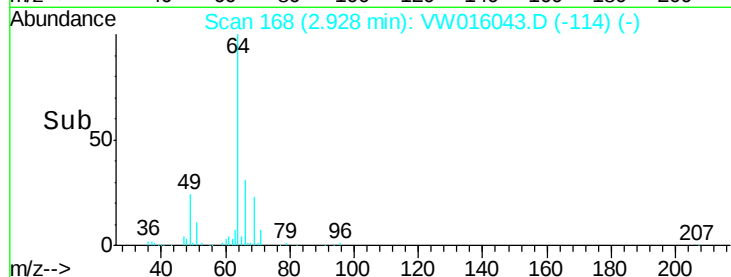
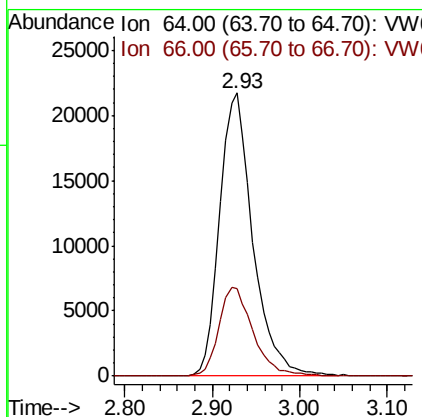
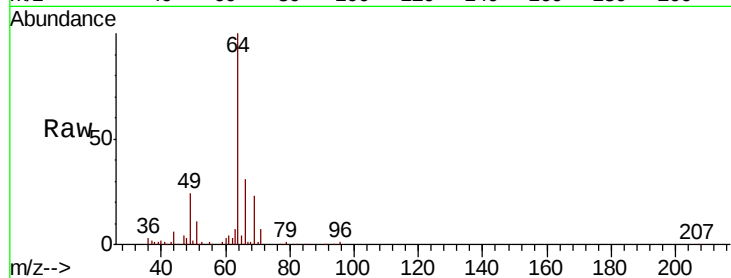




#8
Chloroethane
Concen: 21.033 ug/L
RT: 2.93 min Scan# 168
Delta R.T. -0.00 min
Lab File: VW016043.D
Acq: 06 Aug 2020 12:42

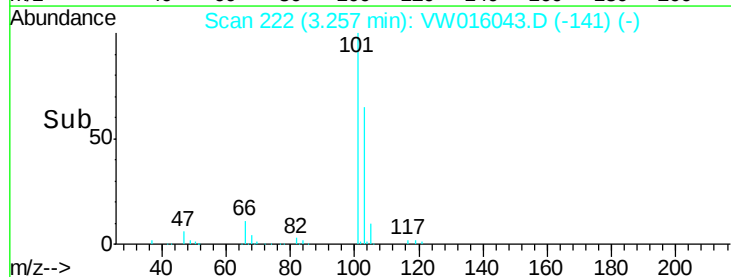
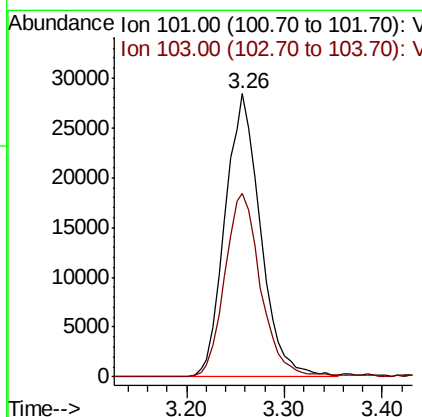
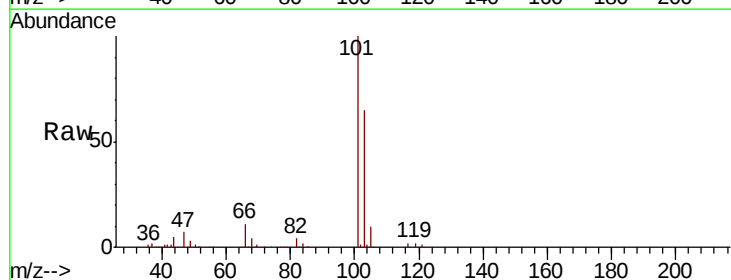
Instrument :
MSVOA_W
ClientSampleId :

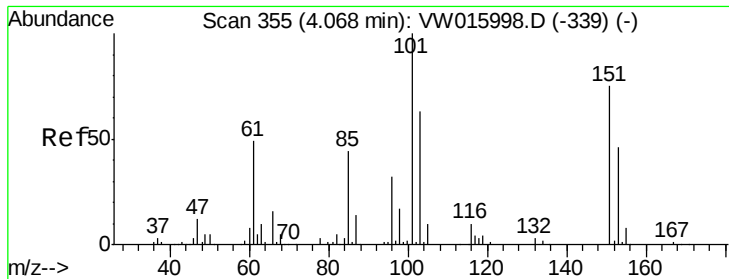
Tot Ion: 64 Resp: 57356
Ion Ratio Lower Upper
64 100
66 30.9 21.8 40.4



#9
Trichlorofluoromethane
Concen: 22.851 ug/L
RT: 3.26 min Scan# 222
Delta R.T. -0.01 min
Lab File: VW016043.D
Acq: 06 Aug 2020 12:42

Tgt Ion:101 Resp: 71499
Ion Ratio Lower Upper
101 100
103 65.6 45.8 85.2





#11

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 25.631 ug/L

RT: 4.06 min Scan# 353

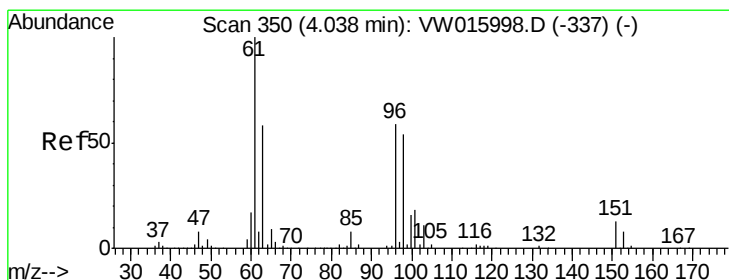
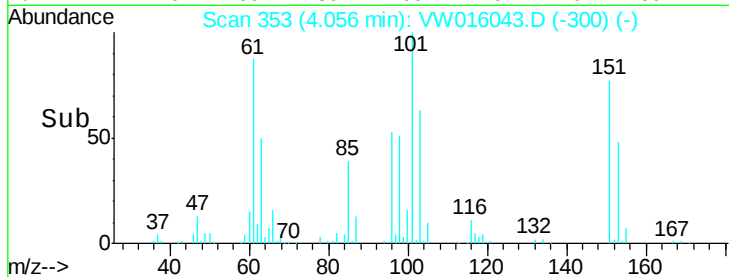
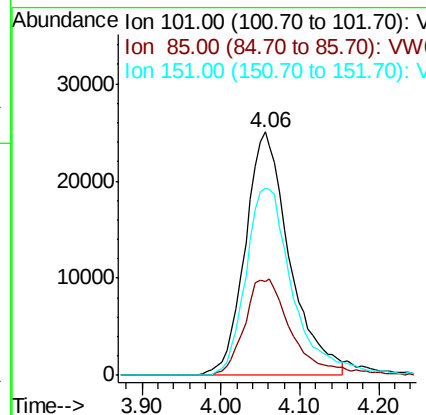
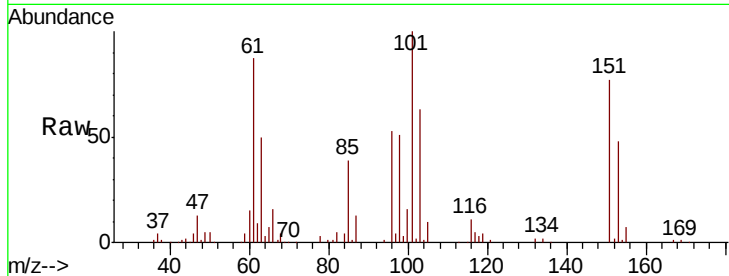
Delta R.T. -0.01 min

Lab File: VW016043.D

Acq: 06 Aug 2020 12:42

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:	101	Resp:	98032
Ion	Ratio	Lower	Upper
101	100		
85	19.5	35.5	53.3#
151	80.5	58.4	87.6



#12

1,1-Dichloroethene

Concen: 25.138 ug/L

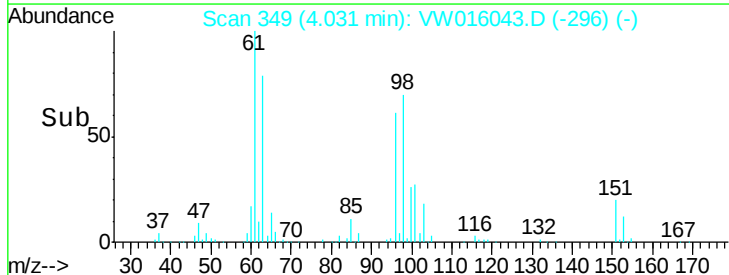
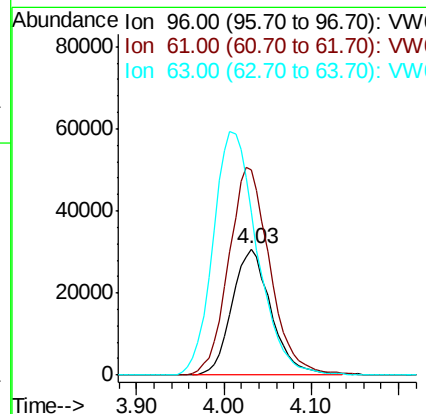
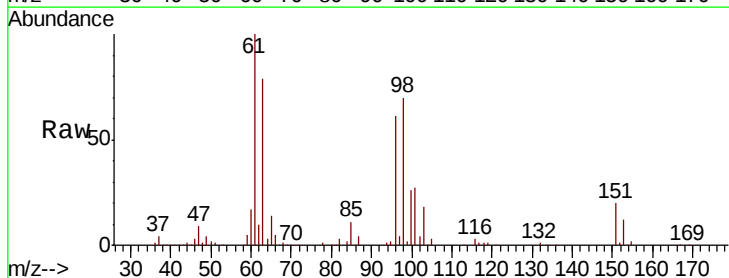
RT: 4.03 min Scan# 349

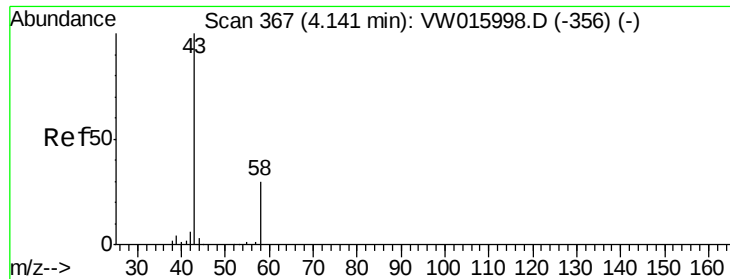
Delta R.T. -0.01 min

Lab File: VW016043.D

Acq: 06 Aug 2020 12:42

Tgt Ion:	96	Resp:	95299
Ion	Ratio	Lower	Upper
96	100		
61	162.8	125.0	232.2
63	128.7	82.3	152.8





#13

Acetone

Concen: 50.858 ug/L

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW016043.D

Acq: 06 Aug 2020 12:42

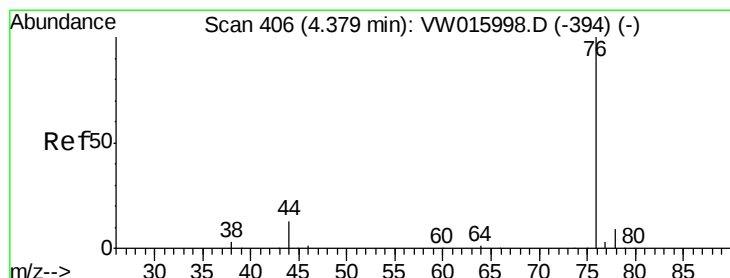
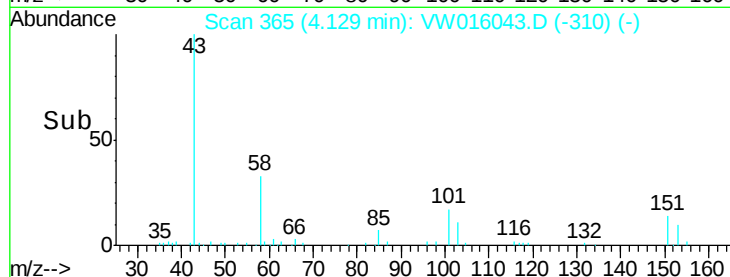
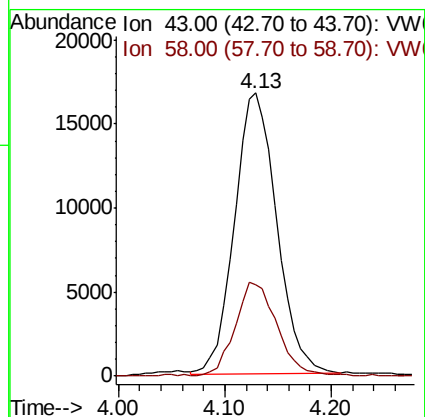
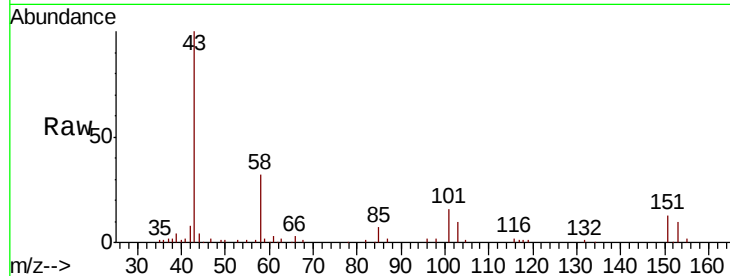
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 46686

Ion Ratio Lower Upper

43 100

58 33.1 0.0 58.2



#14

Carbon disulfide

Concen: 21.368 ug/L

RT: 4.37 min Scan# 405

Delta R.T. -0.01 min

Lab File: VW016043.D

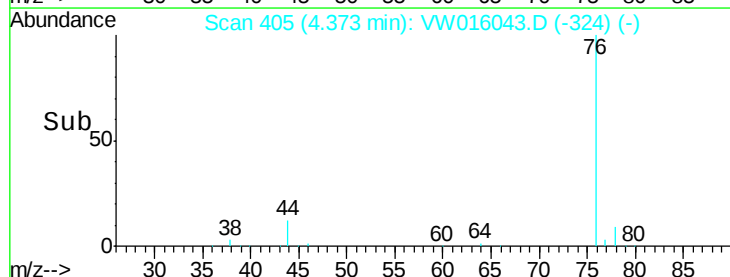
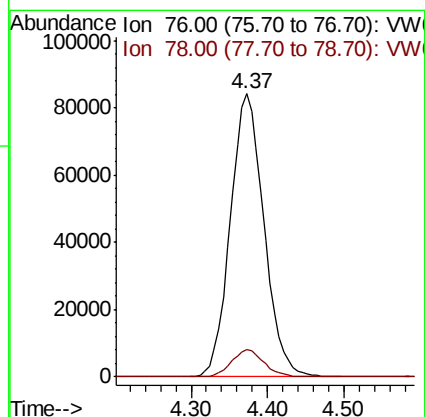
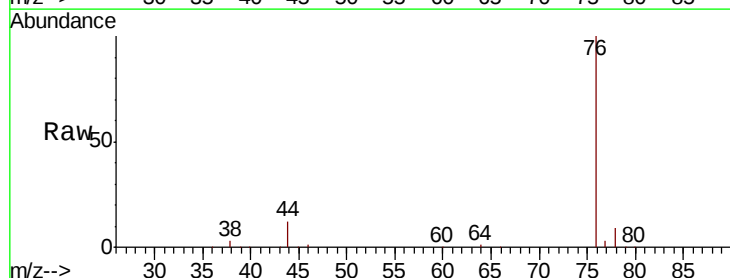
Acq: 06 Aug 2020 12:42

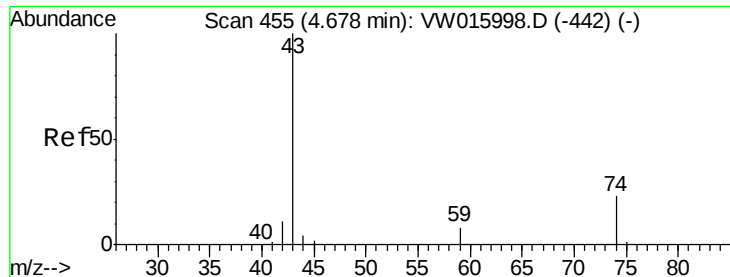
Tgt Ion: 76 Resp: 255833

Ion Ratio Lower Upper

76 100

78 9.5 7.2 10.8





#15

Methvl Acetate

Concen: 25.488 ug/L

RT: 4.67 min Scan# 454

Delta R.T. -0.00 min

Lab File: VW016043.D

Acq: 06 Aug 2020 12:42

Instrument :

MSVOA_W

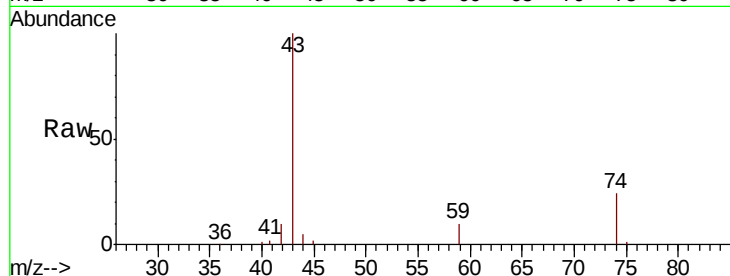
ClientSampleId :

Tot Ion: 43 Resp: 44116

Ion Ratio Lower Upper

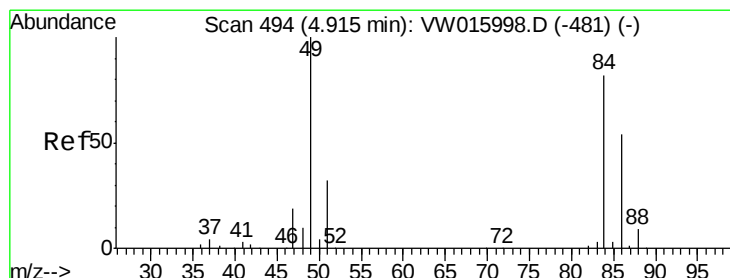
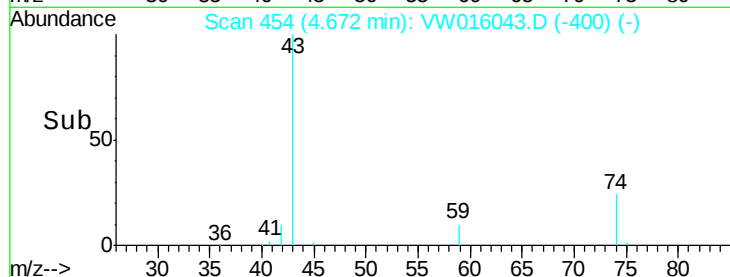
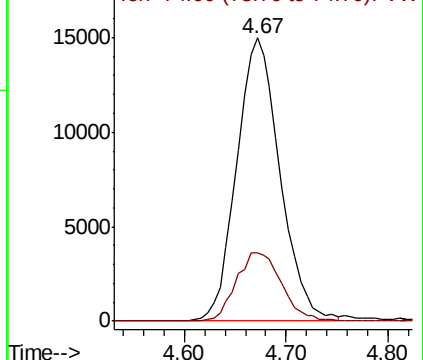
43 100

74 25.2 18.2 27.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW



#16

Methylene chloride

Concen: 25.180 ug/L

RT: 4.90 min Scan# 492

Delta R.T. -0.01 min

Lab File: VW016043.D

Acq: 06 Aug 2020 12:42

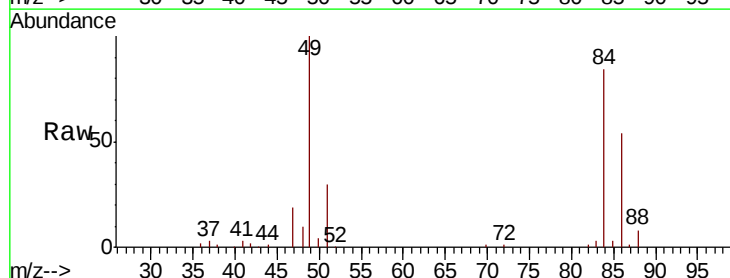
Tgt Ion: 84 Resp: 121680

Ion Ratio Lower Upper

84 100

49 118.9 91.1 169.1

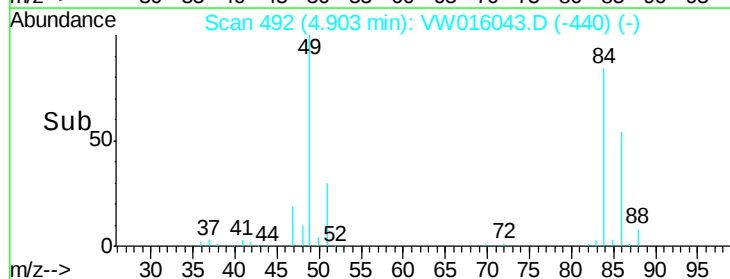
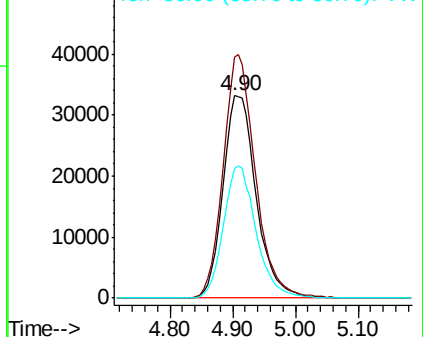
86 64.1 46.0 85.4

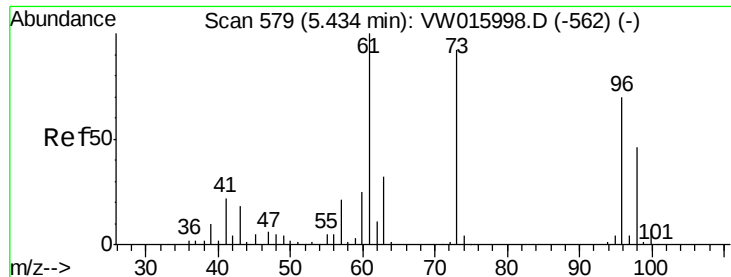


Abundance Ion 84.00 (83.70 to 84.70): VW

Ion 49.00 (48.70 to 49.70): VW

Ion 86.00 (85.70 to 86.70): VW

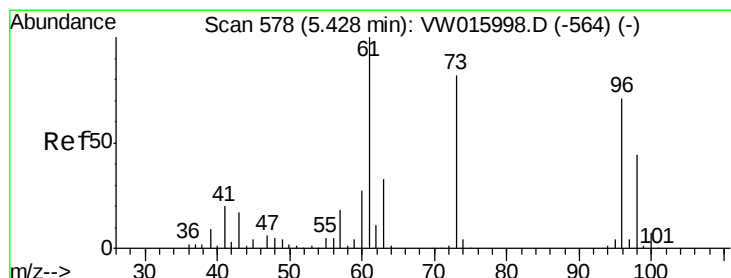
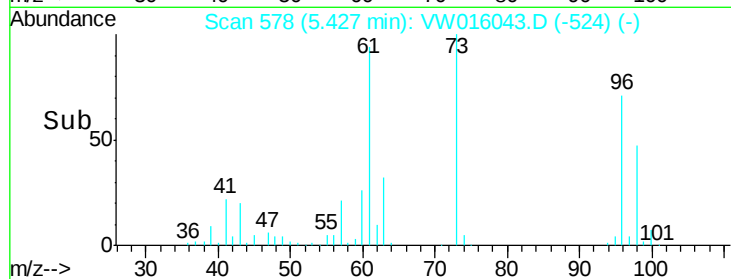
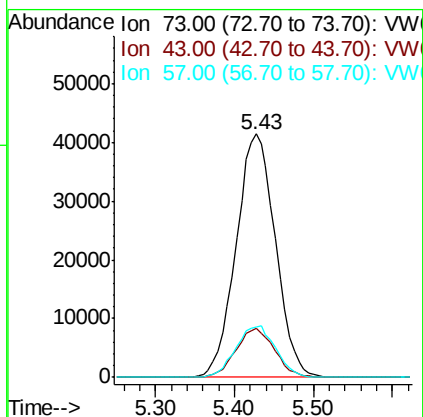
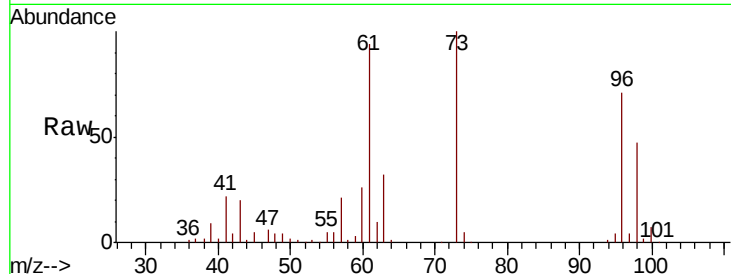




#17
Methvl tert-butvl Ether
Concen: 26.746 ug/L
RT: 5.43 min Scan# 578
Delta R.T. -0.00 min
Lab File: VW016043.D
Acq: 06 Aug 2020 12:42

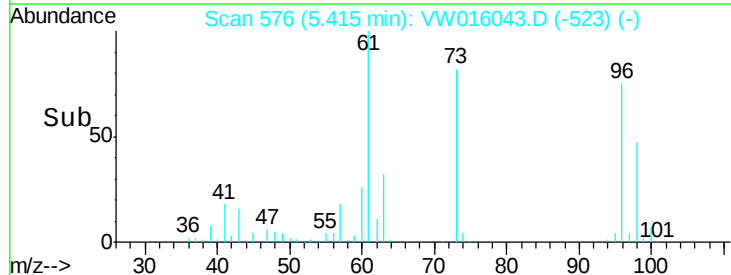
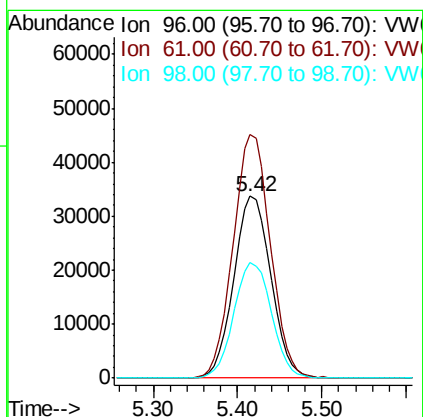
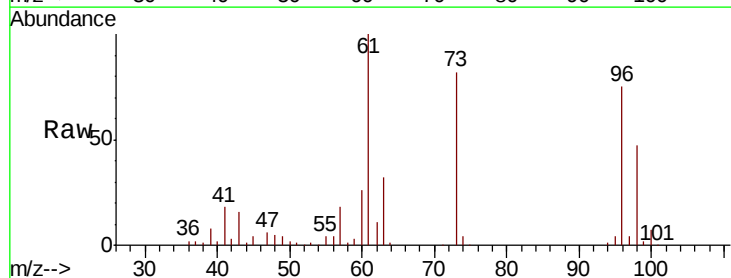
Instrument :
MSVOA_W
ClientSampleId :

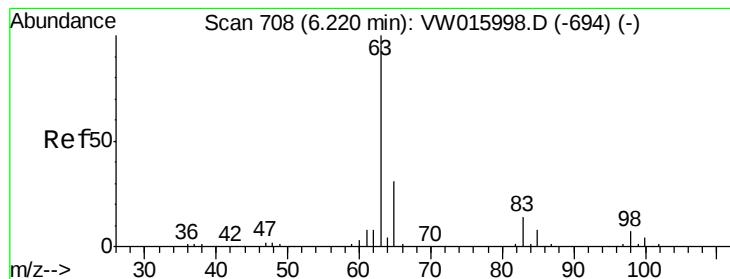
Tot Ion: 73 Resp: 143382
Ion Ratio Lower Upper
73 100
43 19.9 18.4 27.6
57 21.4 17.8 26.8



#18
trans-1,2-Dichloroethene
Concen: 25.196 ug/L
RT: 5.42 min Scan# 576
Delta R.T. -0.01 min
Lab File: VW016043.D
Acq: 06 Aug 2020 12:42

Tgt Ion: 96 Resp: 100864
Ion Ratio Lower Upper
96 100
61 134.1 99.3 184.5
98 63.4 42.9 79.7





#19

1,1-Dichloroethane

Concen: 24.541 ug/L

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW016043.D

Acq: 06 Aug 2020 12:42

Instrument :

MSVOA_W

ClientSampleId :

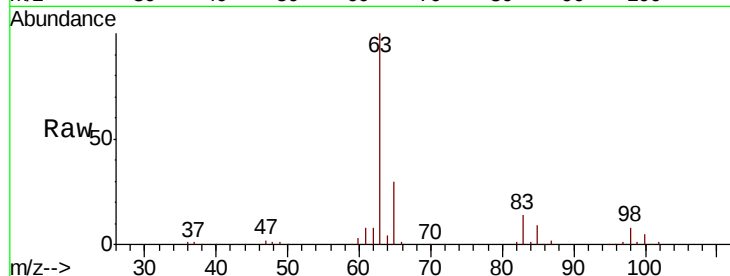
Tot Ion: 63 Resp: 181045

Ion Ratio Lower Upper

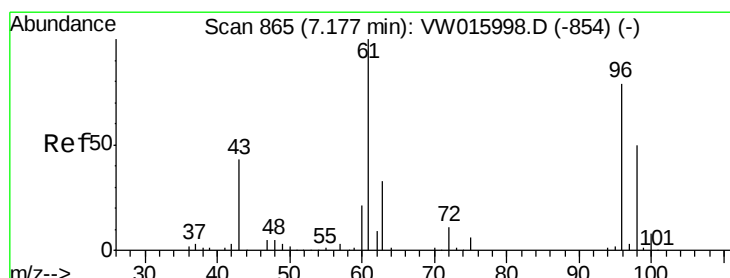
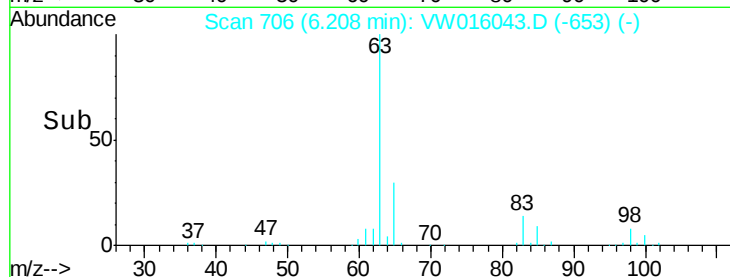
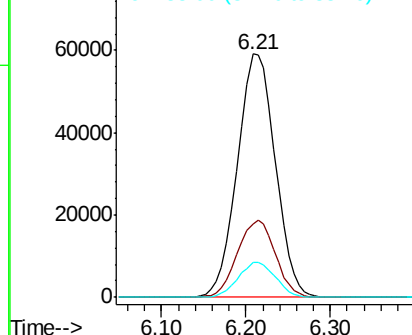
63 100

65 30.4 22.2 41.2

83 14.2 9.8 18.2



Abundance Ion 63.00 (62.70 to 63.70): VW
Ion 65.00 (64.70 to 65.70): VW
Ion 83.00 (82.70 to 83.70): VW



#21

2-Butanone

Concen: 53.872 ug/L

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW016043.D

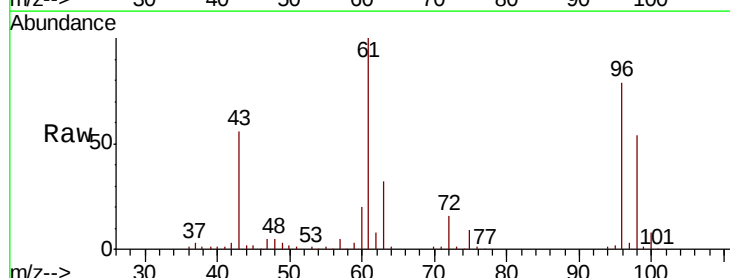
Acq: 06 Aug 2020 12:42

Tgt Ion: 43 Resp: 61153

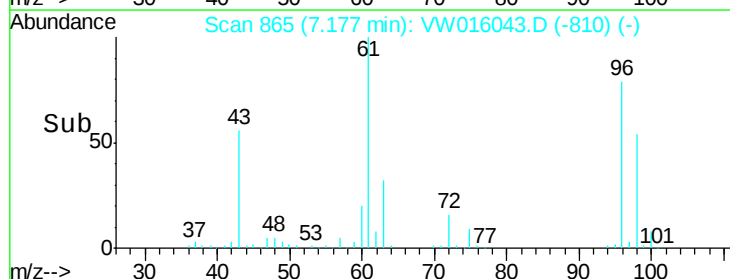
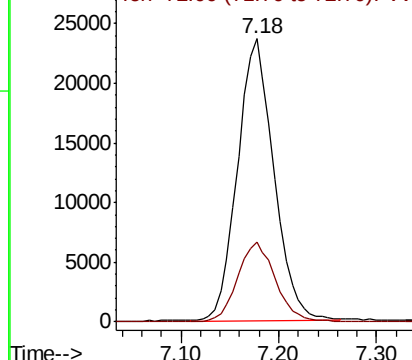
Ion Ratio Lower Upper

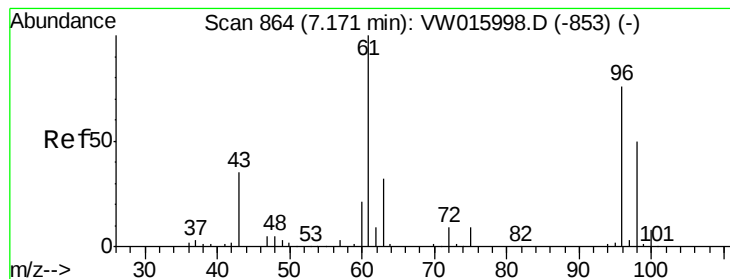
43 100

72 29.4 13.9 41.7



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 72.00 (71.70 to 72.70): VW



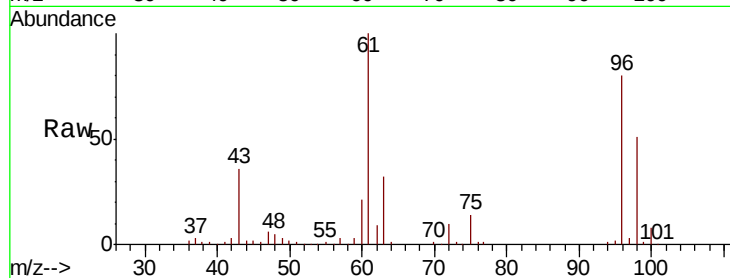


#22

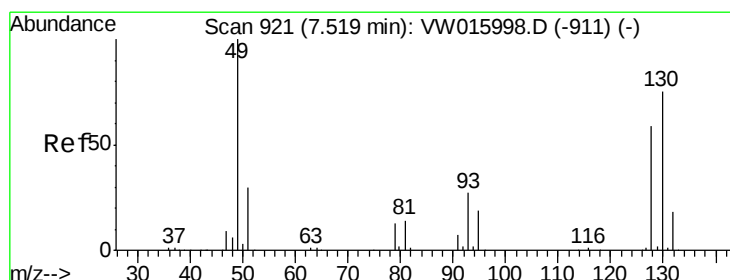
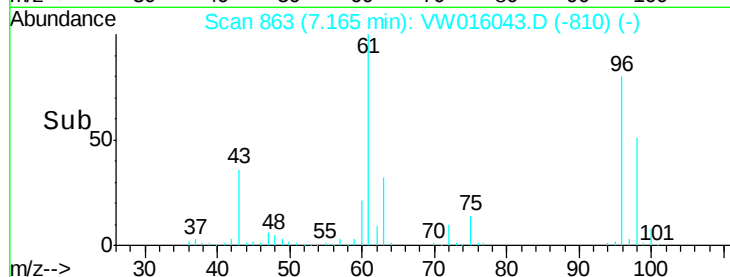
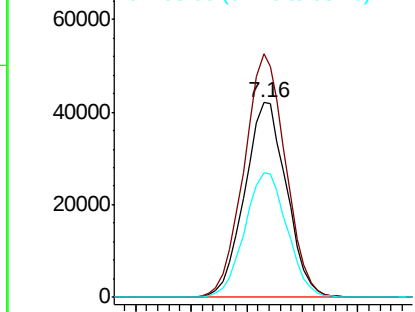
cis-1,2-Dichloroethene
 Concen: 26.332 ug/L
 RT: 7.16 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VW016043.D
 Acq: 06 Aug 2020 12:42

Instrument :
 MSVOA_W
 ClientSampled :

Tot Ion: 96 Resp: 110286
 Ion Ratio Lower Upper
 96 100
 61 125.2 94.6 175.8
 98 64.1 44.3 82.3



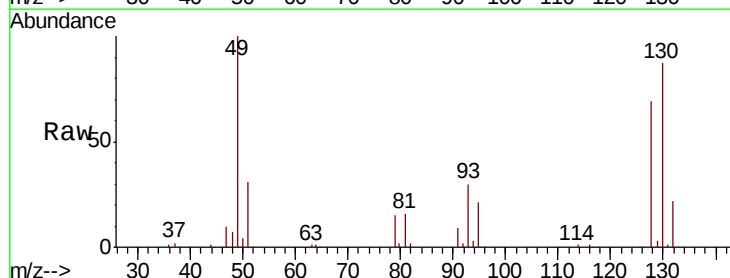
Abundance Ion 96.00 (95.70 to 96.70): VW
 Ion 61.00 (60.70 to 61.70): VW
 Ion 98.00 (97.70 to 98.70): VW



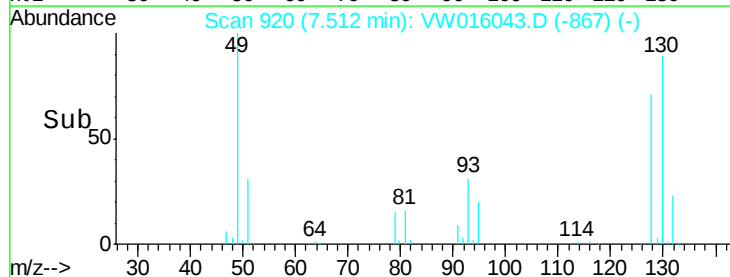
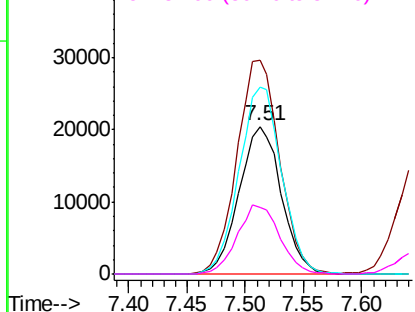
#23

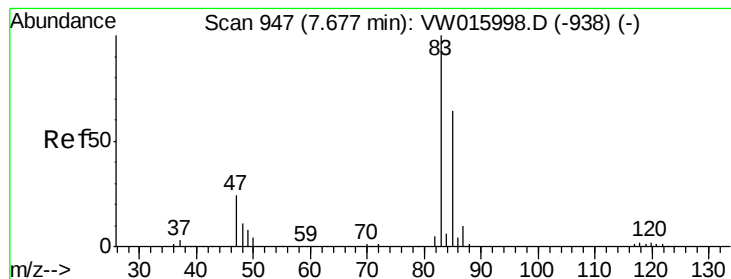
Bromochloromethane
 Concen: 28.030 ug/L
 RT: 7.51 min Scan# 920
 Delta R.T. -0.01 min
 Lab File: VW016043.D
 Acq: 06 Aug 2020 12:42

Tgt Ion: 128 Resp: 51480
 Ion Ratio Lower Upper
 128 100
 49 144.7 122.4 227.2
 130 126.2 93.9 174.5
 51 45.5 43.2 64.8



Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 49.00 (48.70 to 49.70): VW
 Ion 130.00 (129.70 to 130.70): V
 Ion 51.00 (50.70 to 51.70): VW





#25

Chloroform

Concen: 25.938 ug/L

RT: 7.67 min Scan# 946

Delta R.T. -0.01 min

Lab File: VW016043.D

Acq: 06 Aug 2020 12:42

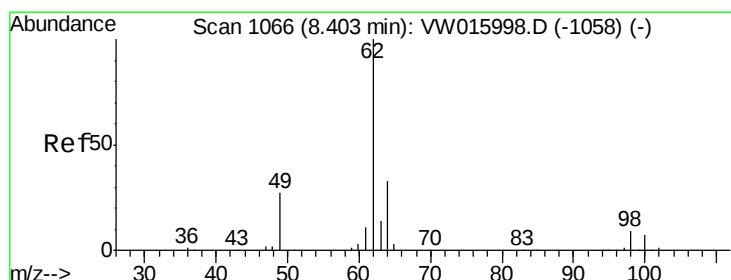
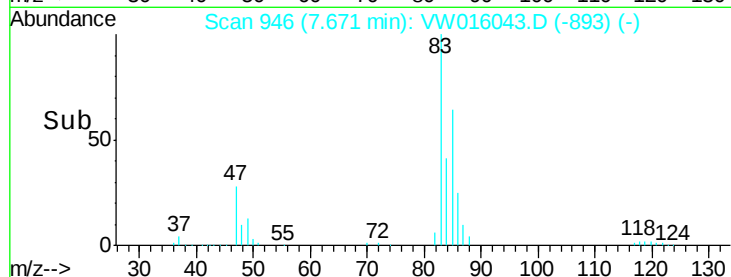
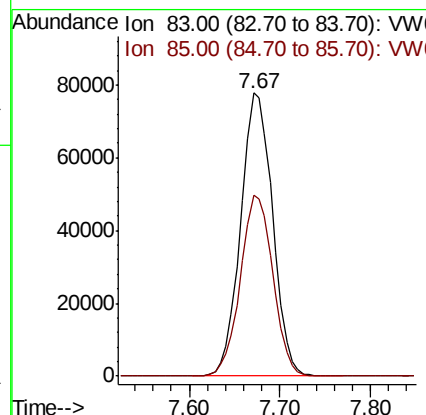
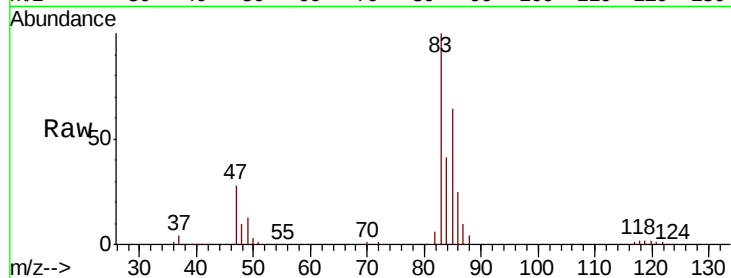
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 83 Resp: 189642

Ion Ratio Lower Upper

83 100

85 65.4 46.5 86.5



#27

1,2-Dichloroethane

Concen: 23.836 ug/L

RT: 8.40 min Scan# 1066

Delta R.T. -0.00 min

Lab File: VW016043.D

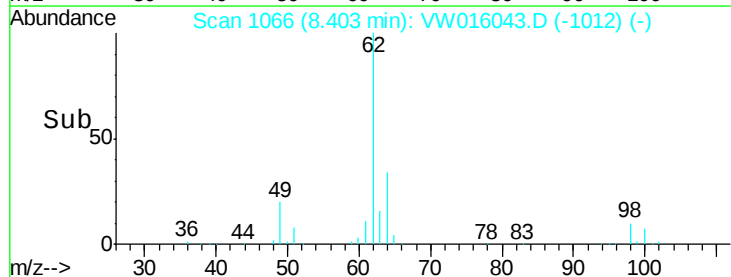
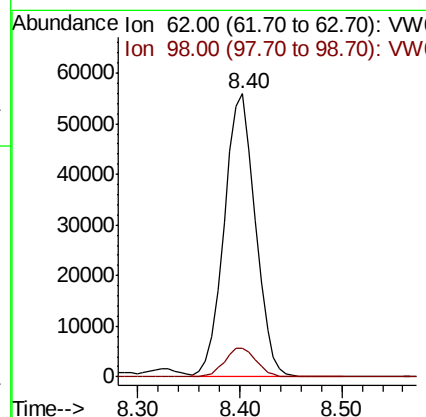
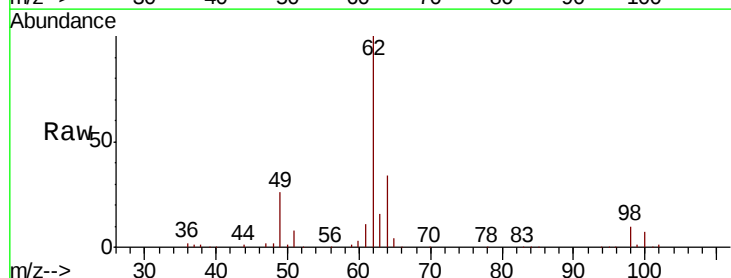
Acq: 06 Aug 2020 12:42

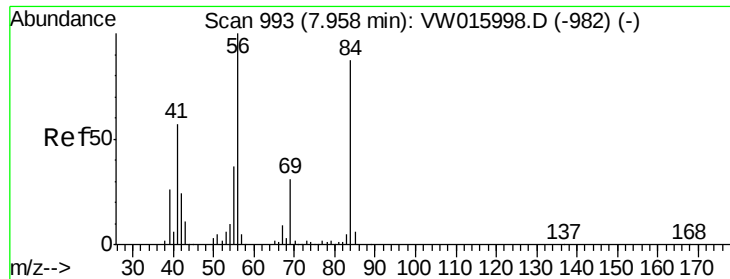
Tgt Ion: 62 Resp: 118584

Ion Ratio Lower Upper

62 100

98 10.0 7.0 10.6

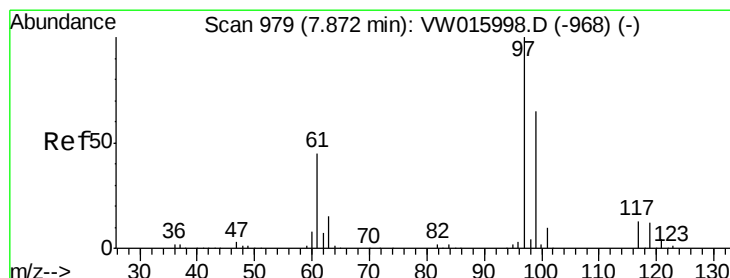
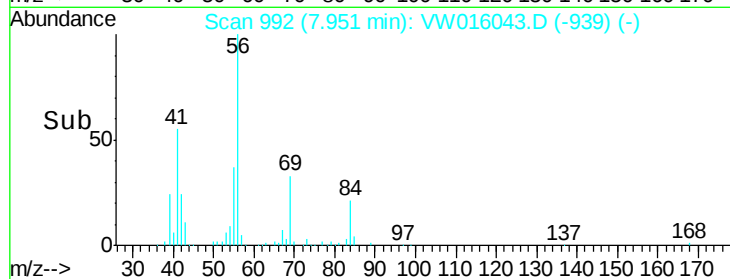
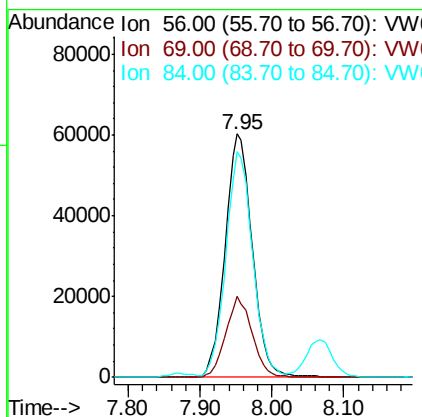
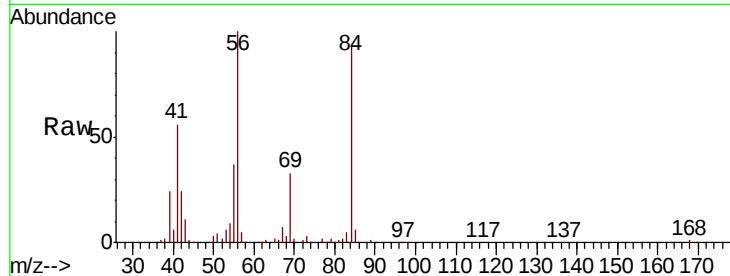




#30
Cyclohexane
Concen: 23.278 ug/L
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW016043.D
Acq: 06 Aug 2020 12:42

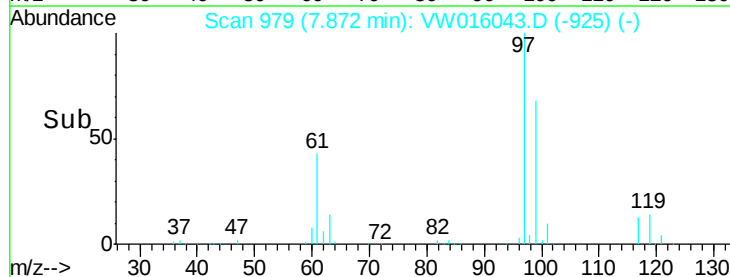
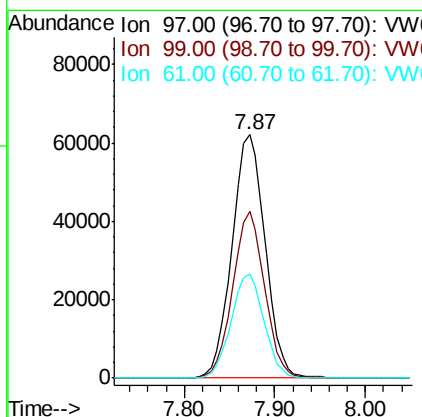
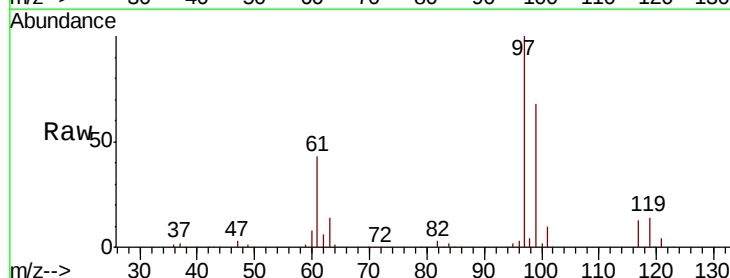
Instrument :
MSVOA_W
ClientSampleId :

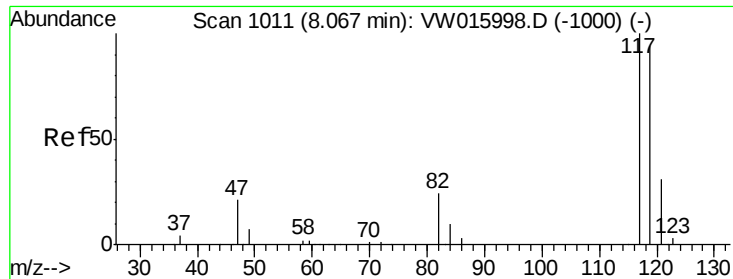
Tot Ion	56	Resp	157939
Ion	Ratio	Lower	Upper
56	100		
69	32.4	24.4	36.6
84	91.9	69.3	103.9



#31
1,1,1-Trichloroethane
Concen: 25.191 ug/L
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW016043.D
Acq: 06 Aug 2020 12:42

Tgt Ion	97	Resp	158279
Ion	Ratio	Lower	Upper
97	100		
99	65.6	51.9	77.9
61	42.7	37.6	56.4





#32

Carbon tetrachloride

Concen: 26.306 ug/L

RT: 8.06 min Scan# 1010

Delta R.T. -0.01 min

Lab File: VW016043.D

Acq: 06 Aug 2020 12:42

Instrument :

MSVOA_W

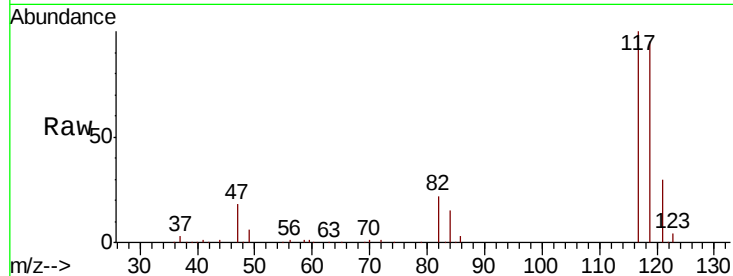
ClientSampleId :

Tot Ion:117 Resp: 149877

Ion Ratio Lower Upper

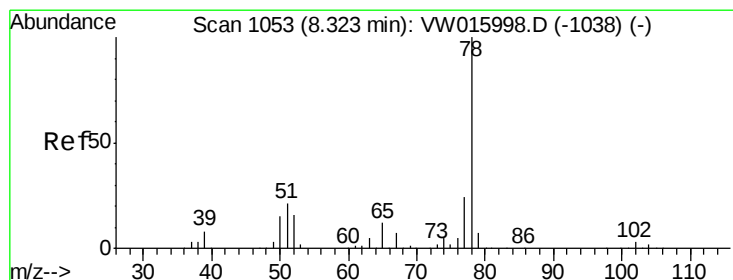
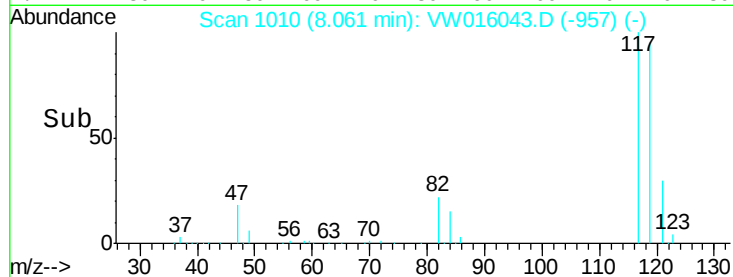
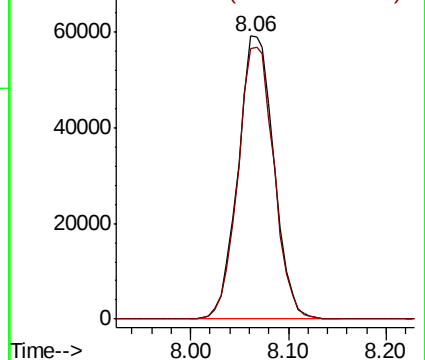
117 100

119 96.5 76.4 114.6



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 25.131 ug/L

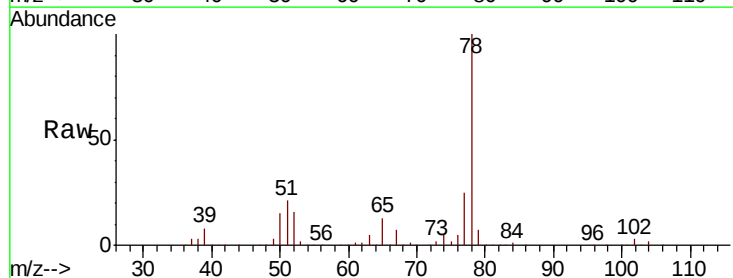
RT: 8.32 min Scan# 1053

Delta R.T. -0.00 min

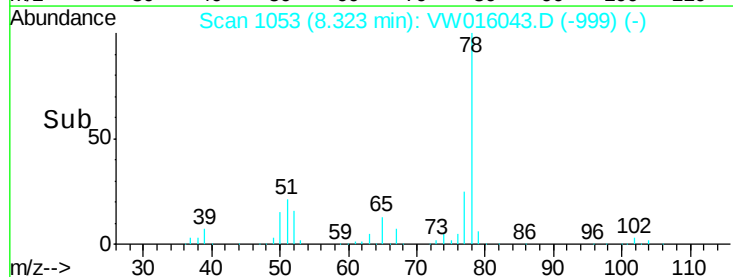
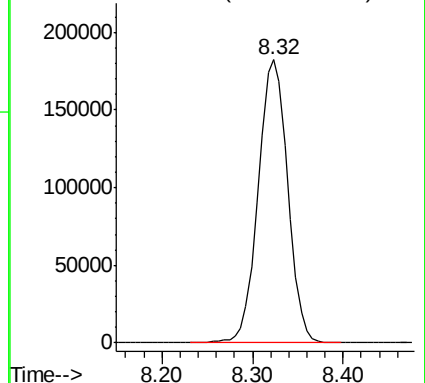
Lab File: VW016043.D

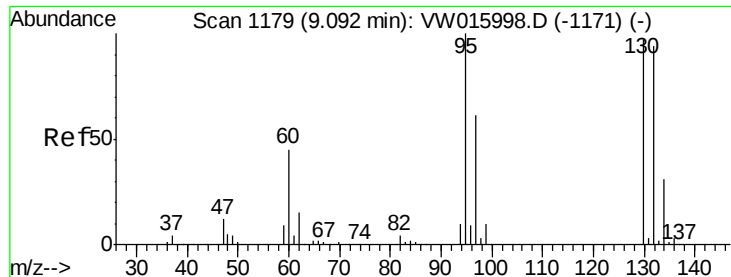
Acq: 06 Aug 2020 12:42

Tgt Ion: 78 Resp: 410711



Abundance Ion 78.00 (77.70 to 78.70): VW

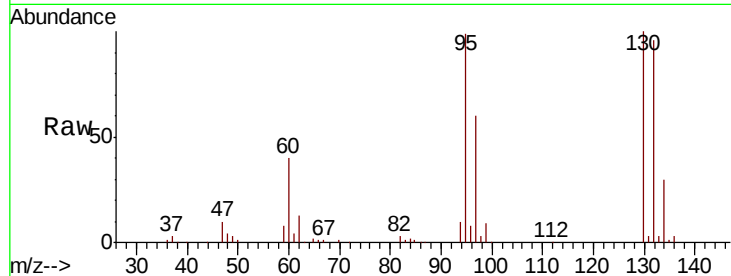




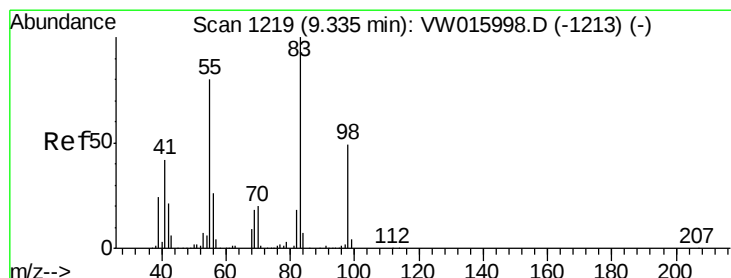
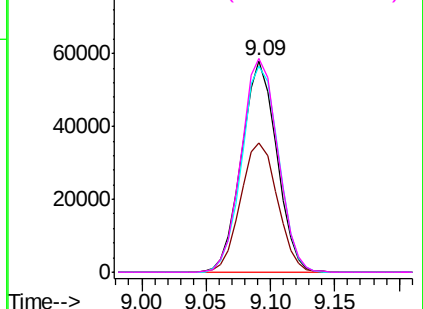
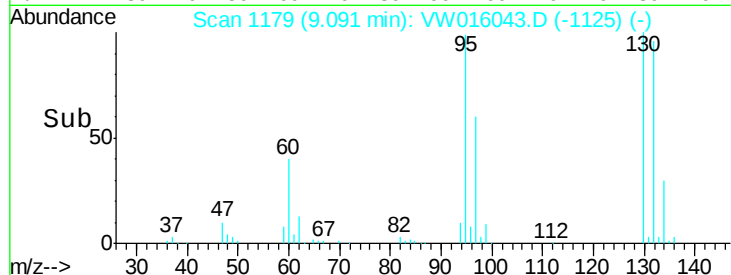
#35
 Trichloroethene
 Concen: 25.462 ug/L
 RT: 9.09 min Scan# 1179
 Delta R.T. -0.00 min
 Lab File: VW016043.D
 Acq: 06 Aug 2020 12:42

Instrument :
 MSVOA_W
 ClientSampled :

Tot Ion: 95 Resp: 110080
 Ion Ratio Lower Upper
 95 100
 97 64.0 44.4 82.4
 132 101.0 65.1 120.9
 130 104.7 68.6 127.4

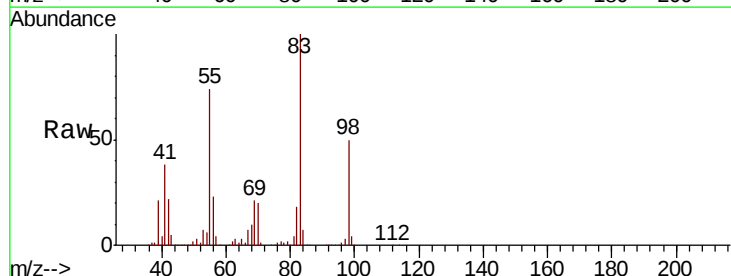


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

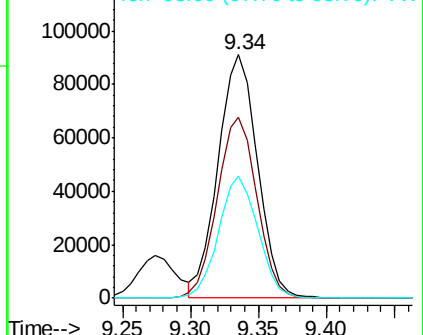
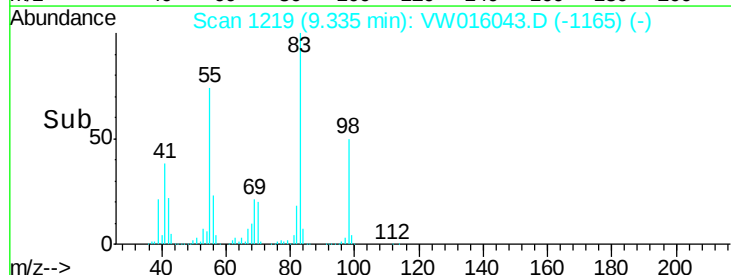


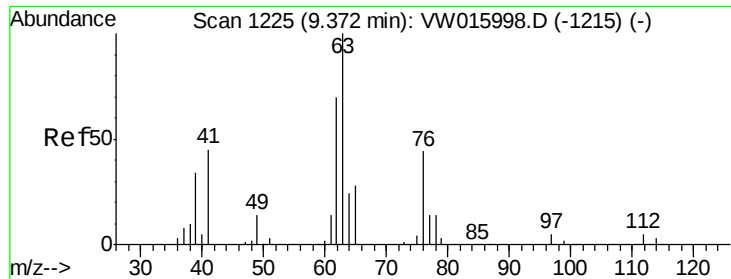
#36
 Methylcyclohexane
 Concen: 24.783 ug/L
 RT: 9.34 min Scan# 1219
 Delta R.T. -0.00 min
 Lab File: VW016043.D
 Acq: 06 Aug 2020 12:42

Tgt Ion: 83 Resp: 183842
 Ion Ratio Lower Upper
 83 100
 55 74.7 63.5 95.3
 98 50.2 39.0 58.4



Abundance Ion 83.00 (82.70 to 83.70): VW
 Ion 55.00 (54.70 to 55.70): VW
 Ion 98.00 (97.70 to 98.70): VW

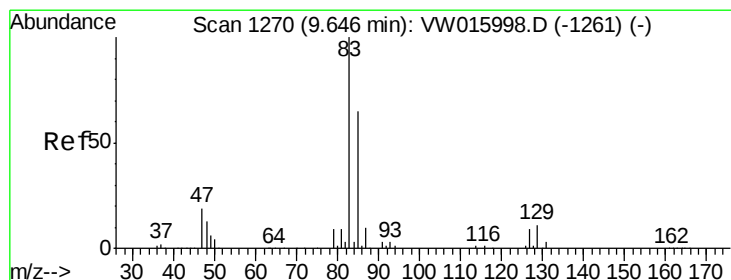
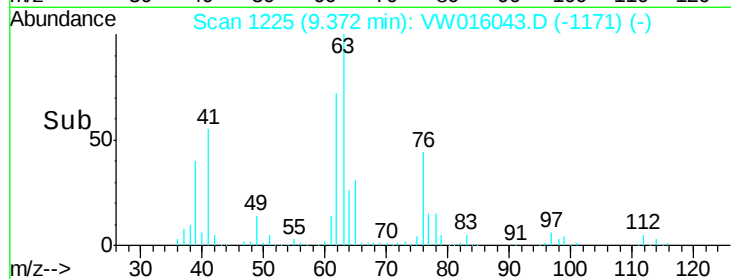
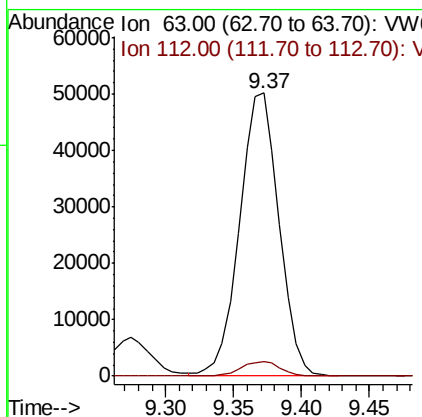
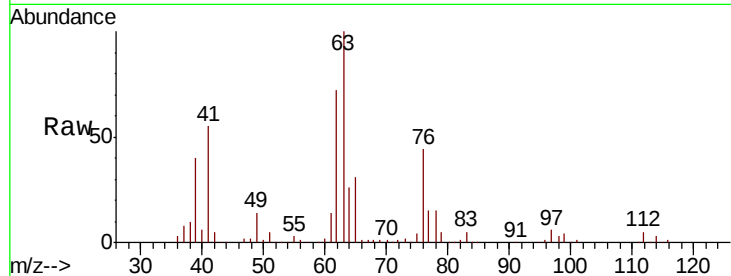




#40
 1,2-Dichloropropane
 Concen: 25.148 ug/L
 RT: 9.37 min Scan# 1225
 Delta R.T. -0.00 min
 Lab File: VW016043.D
 Acq: 06 Aug 2020 12:42

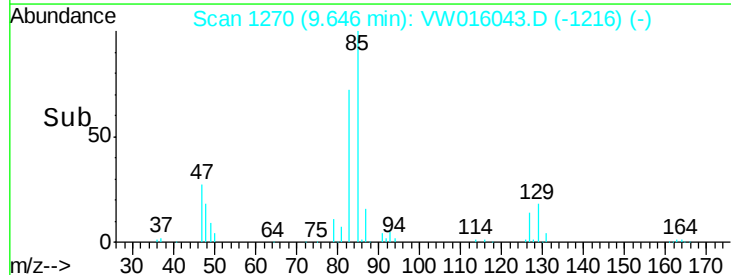
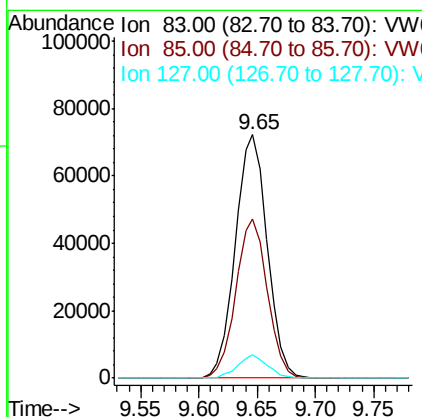
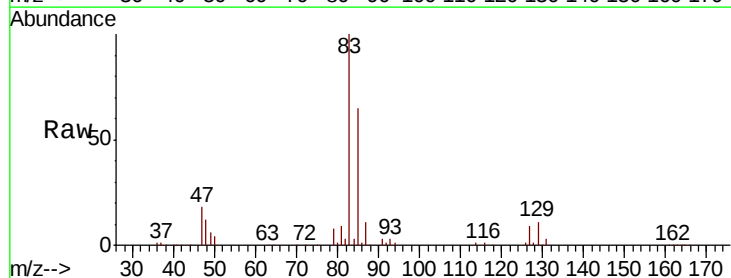
Instrument :
 MSVOA_W
 ClientSampled :

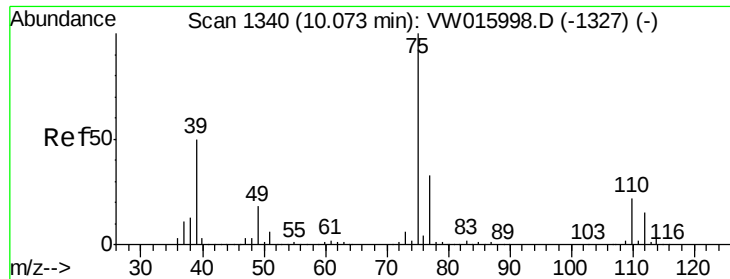
Tot Ion: 63 Resp: 101815
 Ion Ratio Lower Upper
 63 100
 112 5.1 3.7 5.5



#41
 Bromodichloromethane
 Concen: 26.341 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VW016043.D
 Acq: 06 Aug 2020 12:42

Tgt Ion: 83 Resp: 137724
 Ion Ratio Lower Upper
 83 100
 85 65.2 43.7 81.1
 127 9.4 6.5 9.7





#42

cis-1,3-Dichloropropene

Concen: 26.727 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW016043.D

Acq: 06 Aug 2020 12:42

Instrument :

MSVOA_W

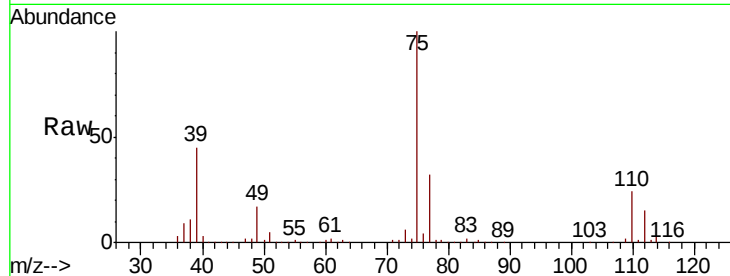
ClientSampleId :

Tot Ion: 75 Resp: 164803

Ion Ratio Lower Upper

75 100

77 31.9 22.2 41.2



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

10.07

80000

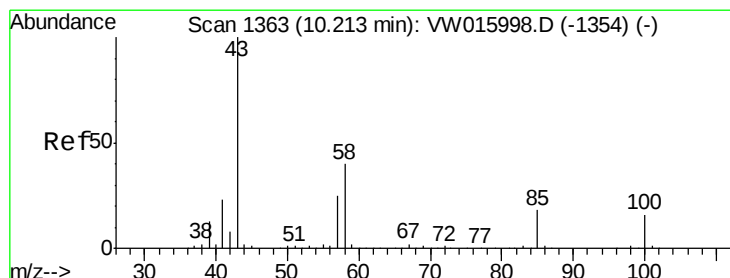
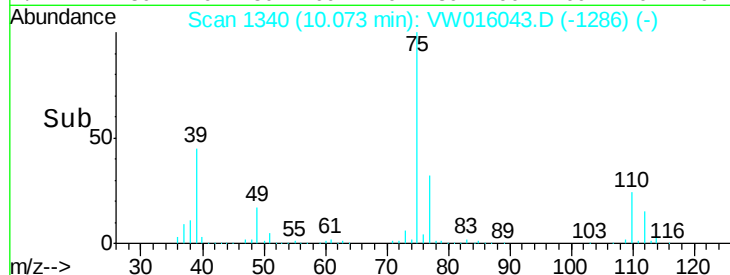
60000

40000

20000

0

Time-->



#43

4-Methyl-2-pentanone

Concen: 54.320 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VW016043.D

Acq: 06 Aug 2020 12:42

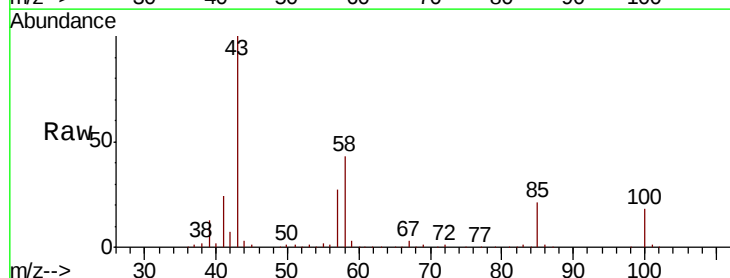
Tgt Ion: 43 Resp: 128367

Ion Ratio Lower Upper

43 100

58 41.4 31.0 46.4

100 18.1 12.6 19.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 100.00 (99.70 to 100.70): VW

200000

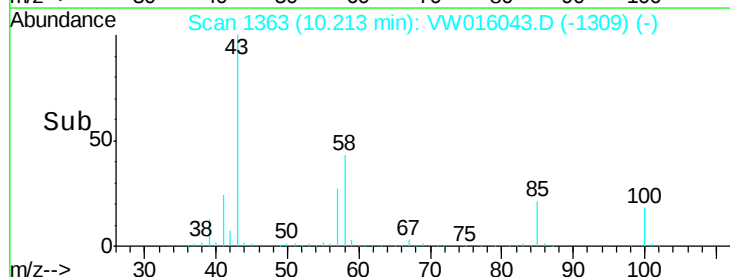
150000

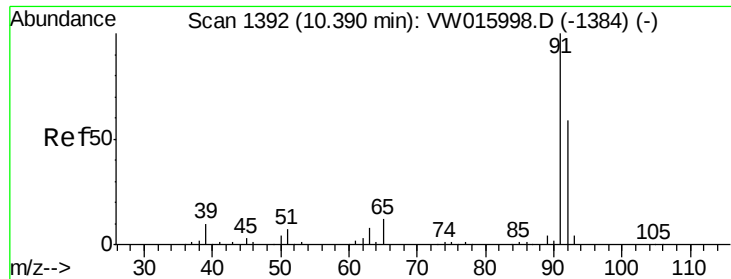
100000

50000

0

Time-->





#44

Toluene

Concen: 26.485 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW016043.D

Acq: 06 Aug 2020 12:42

Instrument :

MSVOA_W

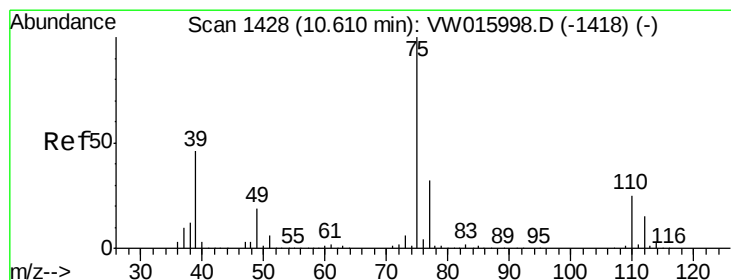
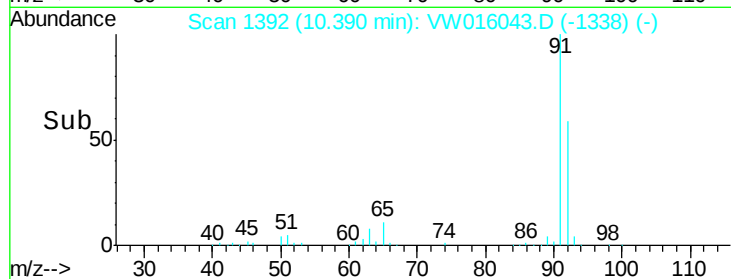
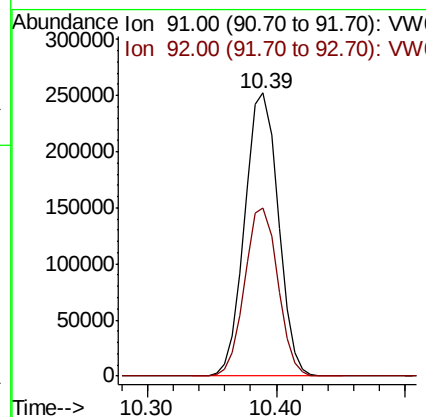
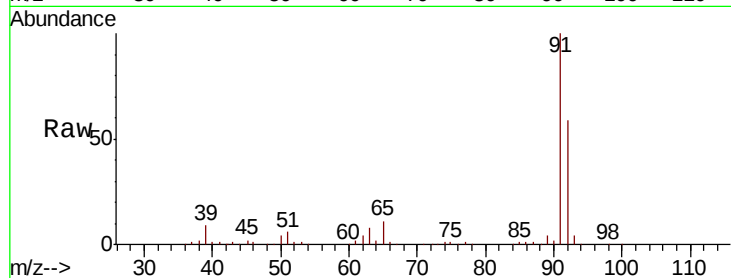
ClientSampled :

Tot Ion: 91 Resp: 453981

Ion Ratio Lower Upper

91 100

92 59.4 41.2 76.4



#45

trans-1,3-Dichloropropene

Concen: 26.935 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. -0.00 min

Lab File: VW016043.D

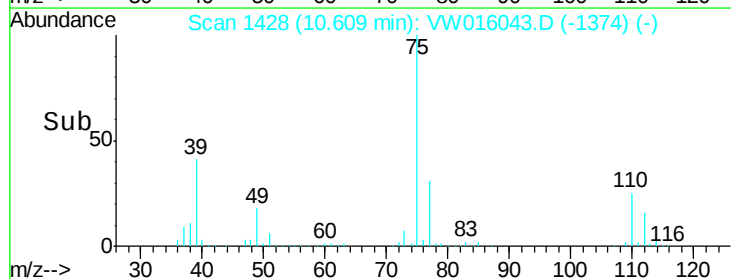
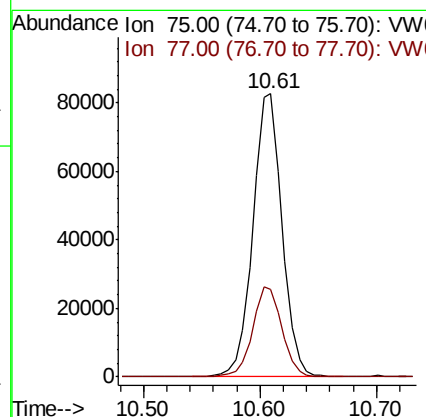
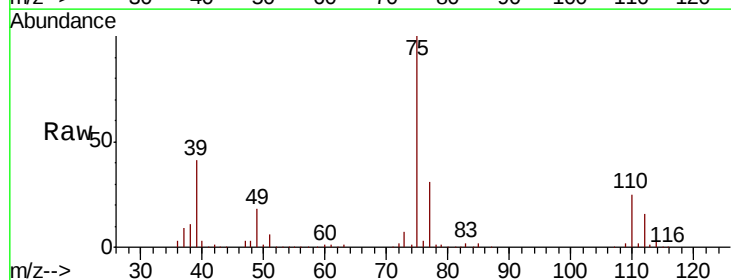
Acq: 06 Aug 2020 12:42

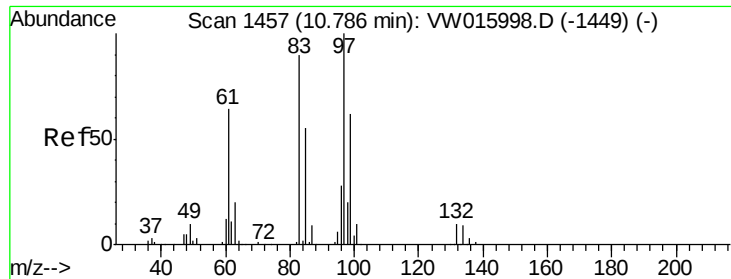
Tgt Ion: 75 Resp: 143960

Ion Ratio Lower Upper

75 100

77 30.8 22.5 41.9





#46

1,1,2-Trichloroethane

Concen: 27.876 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW016043.D

Acq: 06 Aug 2020 12:42

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 97 Resp: 81159

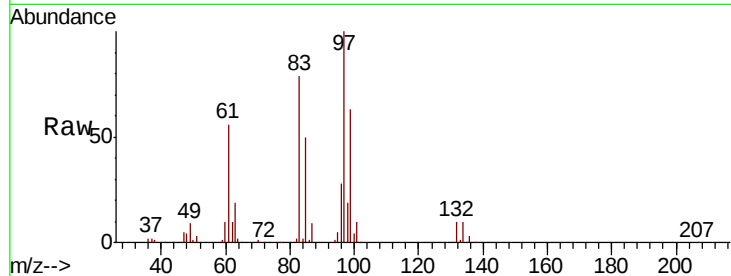
Ion Ratio Lower Upper

97 100

83 78.8 60.6 112.6

85 50.1 38.9 72.2

99 62.7 43.1 80.1

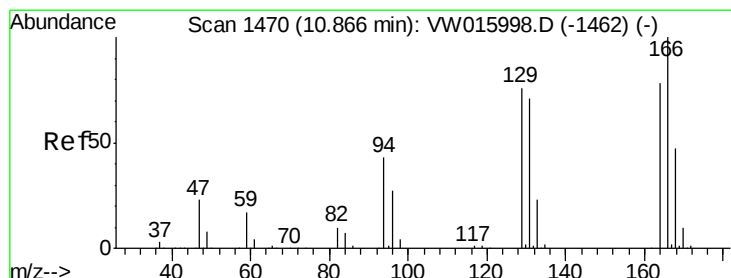
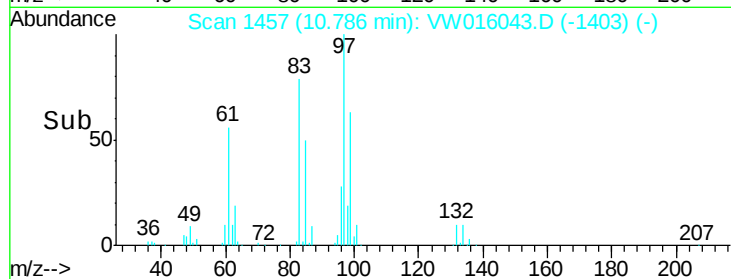
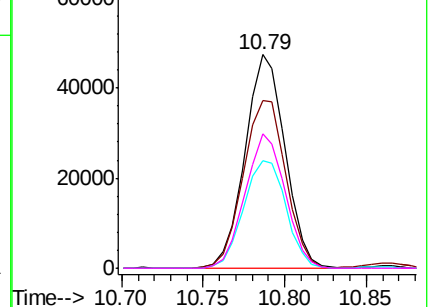


Abundance Ion 97.00 (96.70 to 97.70): VW

Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 99.00 (98.70 to 99.70): VW



#47

Tetrachloroethene

Concen: 29.307 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. -0.01 min

Lab File: VW016043.D

Acq: 06 Aug 2020 12:42

Tgt Ion: 164 Resp: 98346

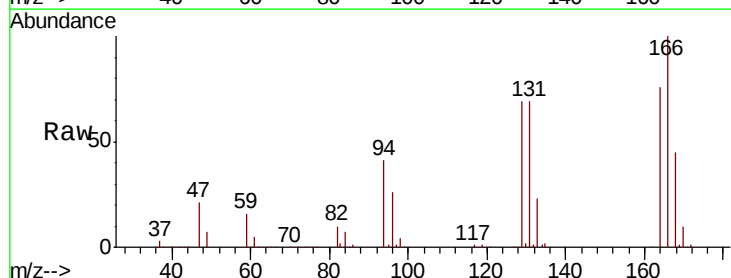
Ion Ratio Lower Upper

164 100

129 91.0 70.0 130.0

131 90.0 67.3 124.9

166 131.3 88.5 164.3

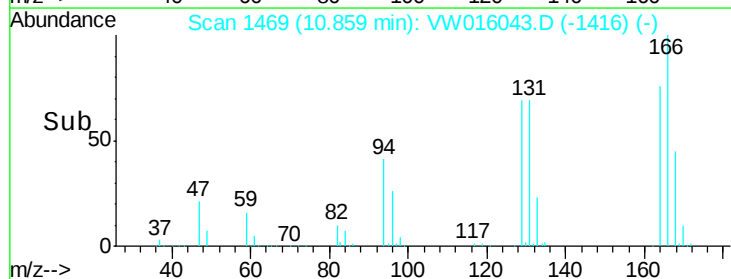
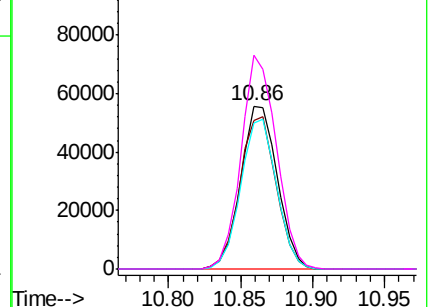


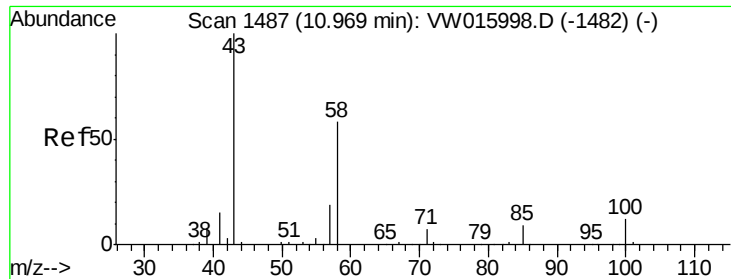
Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

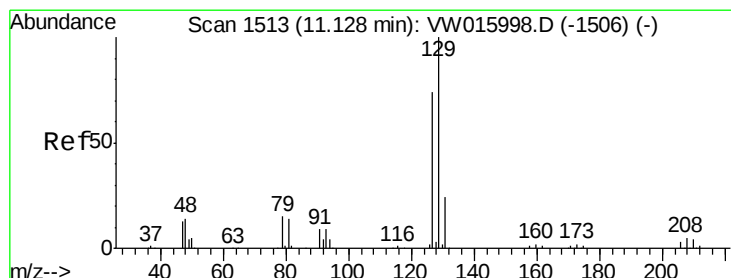
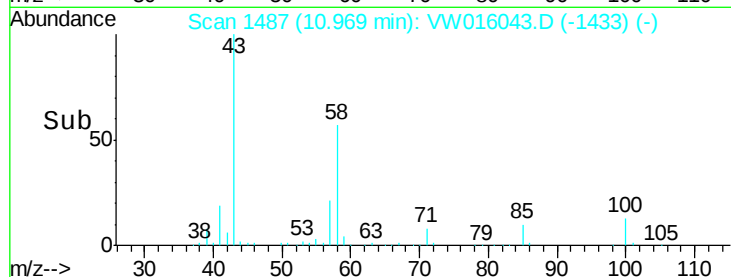
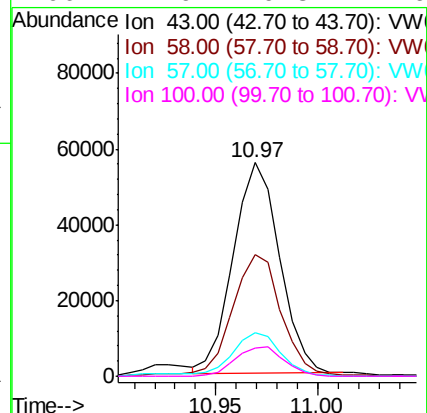
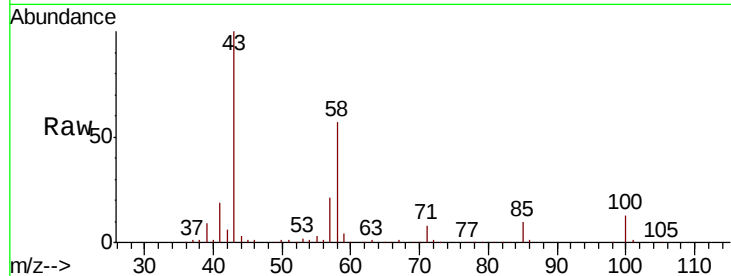




#49
2-Hexanone
Concen: 52.464 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW016043.D
Acq: 06 Aug 2020 12:42

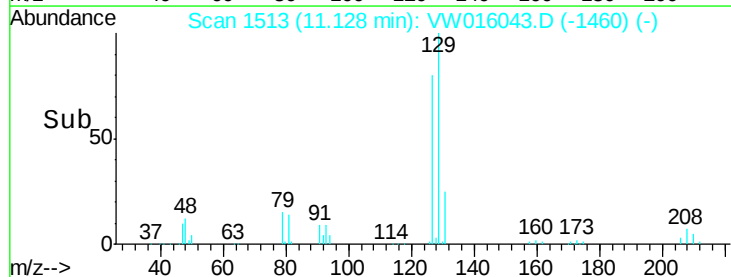
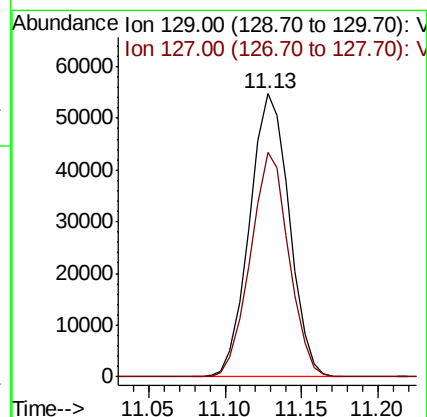
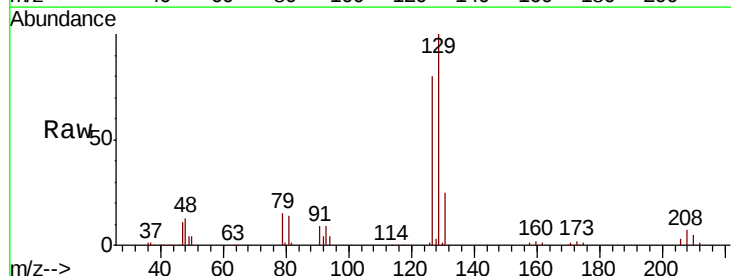
Instrument :
MSVOA_W
ClientSampleId :

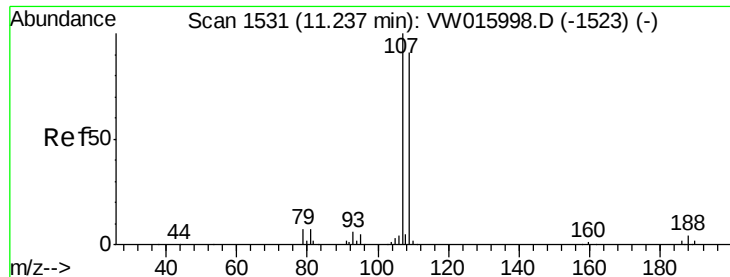
Tot Ion: 43 Resp: 87981
Ion Ratio Lower Upper
43 100
58 60.2 42.4 63.6
57 21.4 15.6 23.4
100 14.9 9.8 14.6#



#50
Dibromochloromethane
Concen: 29.345 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. -0.01 min
Lab File: VW016043.D
Acq: 06 Aug 2020 12:42

Tgt Ion: 129 Resp: 98911
Ion Ratio Lower Upper
129 100
127 79.5 53.8 100.0

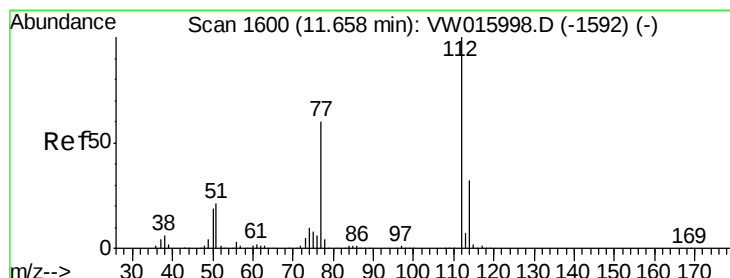
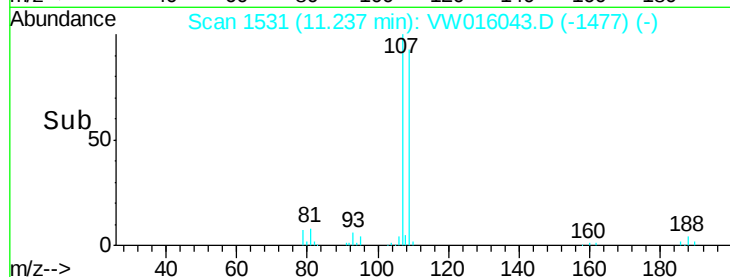
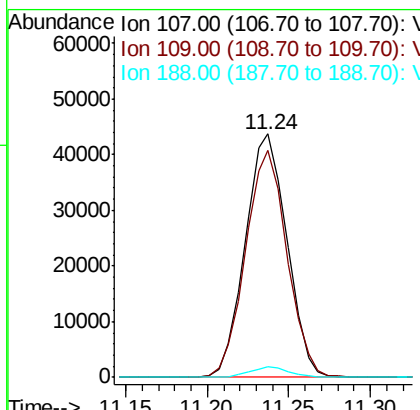
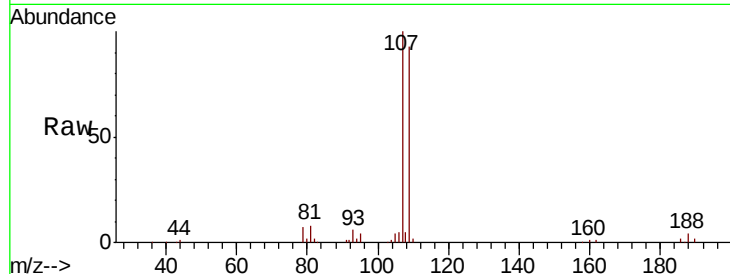




#51
 1,2-Dibromoethane
 Concen: 27.851 ug/L
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW016043.D
 Acq: 06 Aug 2020 12:42

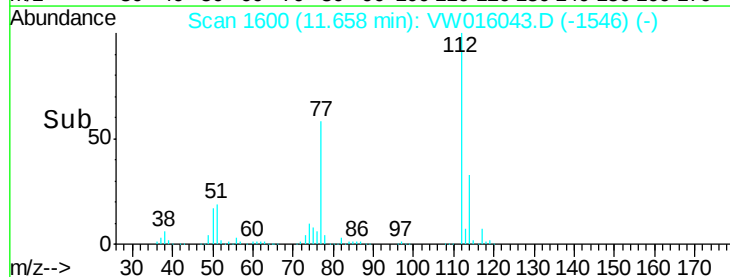
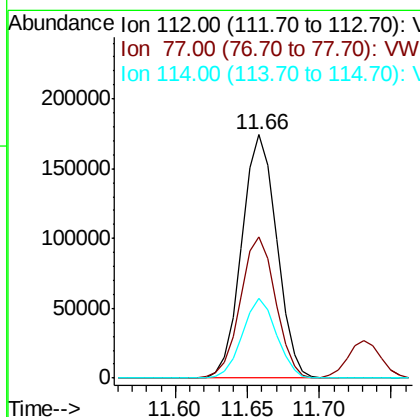
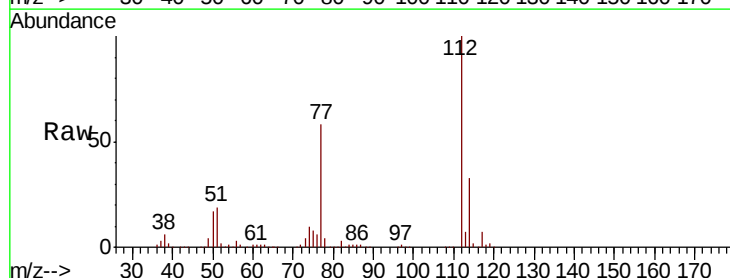
Instrument :
 MSVOA_W
 ClientSampleId :

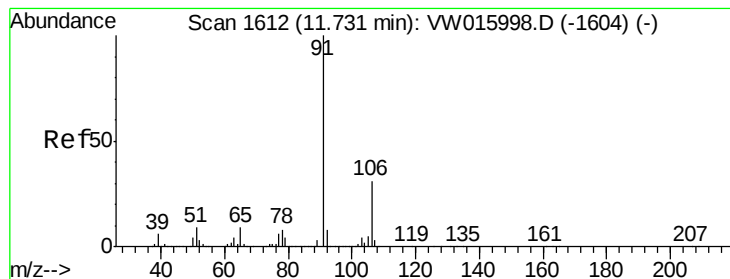
Tot Ion	107	Resp	77569
Ion	Ratio	Lower	Upper
107	100		
109	93.3	66.9	124.3
188	4.1	3.2	4.8



#52
 Chlorobenzene
 Concen: 26.726 ug/L
 RT: 11.66 min Scan# 1600
 Delta R.T. -0.00 min
 Lab File: VW016043.D
 Acq: 06 Aug 2020 12:42

Tgt Ion	112	Resp	293544
Ion	Ratio	Lower	Upper
112	100		
77	57.8	47.8	71.6
114	32.8	22.1	41.1





#53

Ethylbenzene

Concen: 26.386 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW016043.D

Acq: 06 Aug 2020 12:42

Instrument :

MSVOA_W

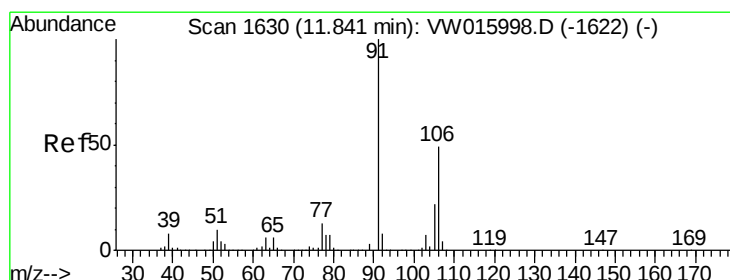
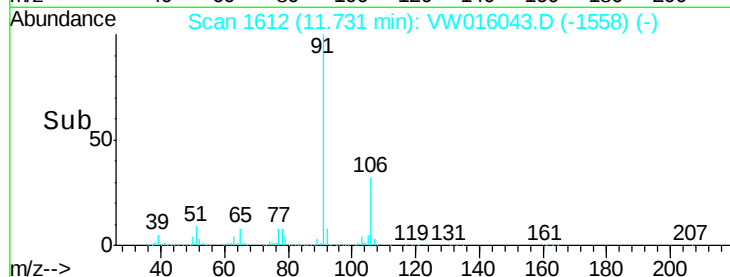
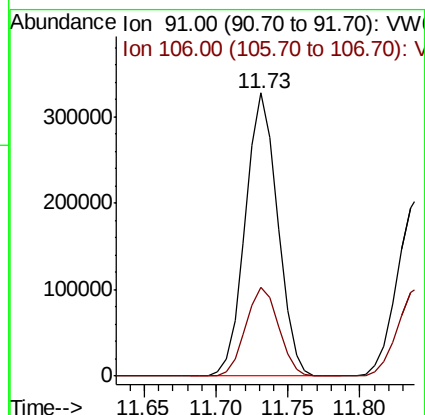
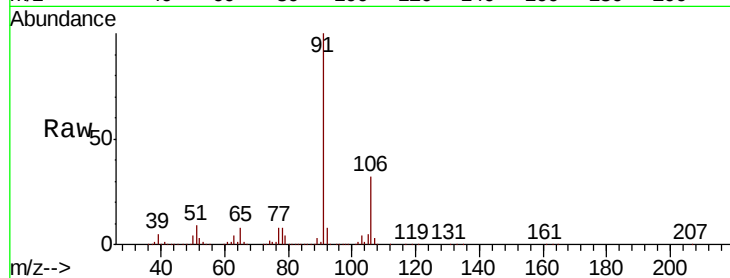
ClientSampleId :

Tot Ion: 91 Resp: 508570

Ion Ratio Lower Upper

91 100

106 31.6 22.4 41.6



#54

m,p-Xylene

Concen: 27.391 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VW016043.D

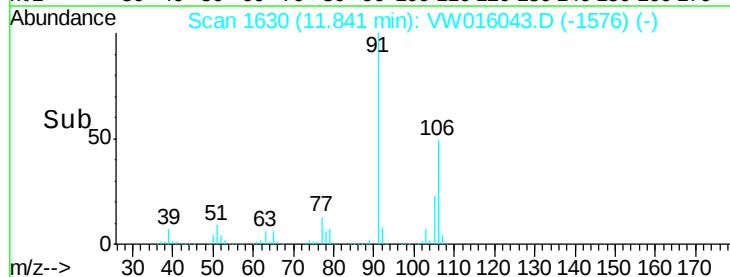
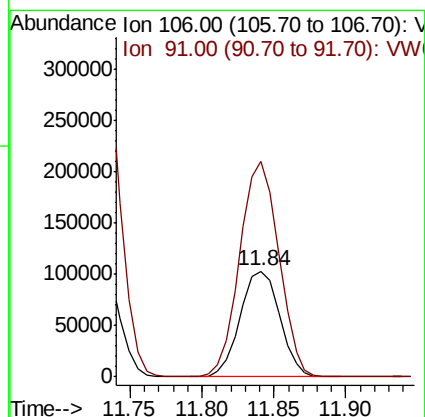
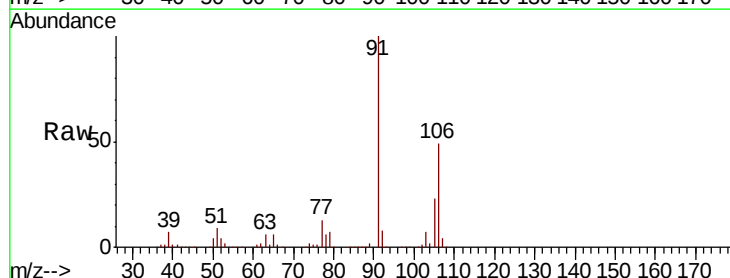
Acq: 06 Aug 2020 12:42

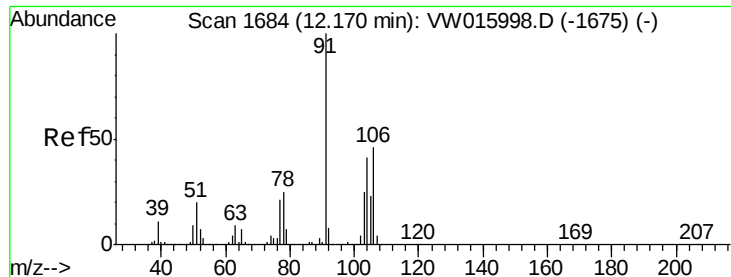
Tgt Ion: 106 Resp: 197519

Ion Ratio Lower Upper

106 100

91 203.4 144.1 267.5





#55

o-xylene

Concen: 27.366 ug/L

RT: 12.17 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VW016043.D

Acq: 06 Aug 2020 12:42

Instrument :

MSVOA_W

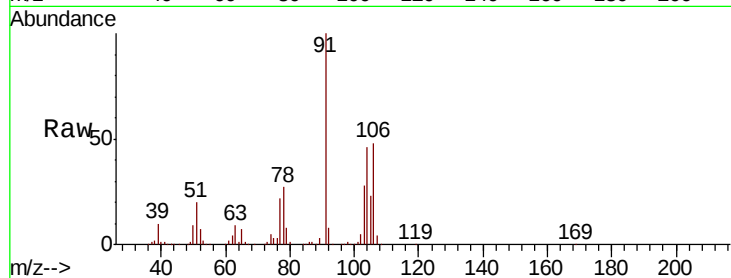
ClientSampled :

Tot Ion:106 Resp: 185823

Ion Ratio Lower Upper

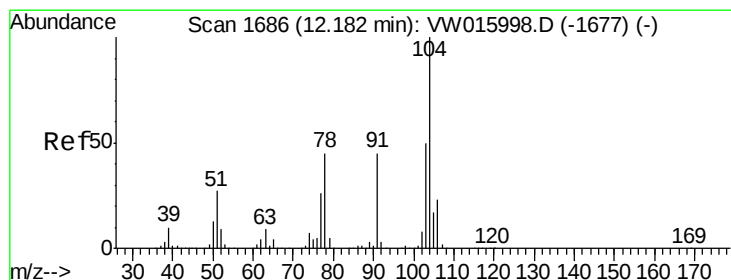
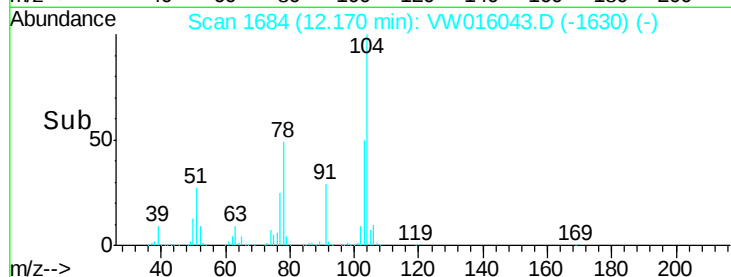
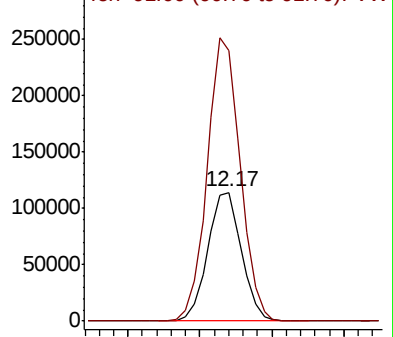
106 100

91 210.4 146.8 272.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 28.459 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VW016043.D

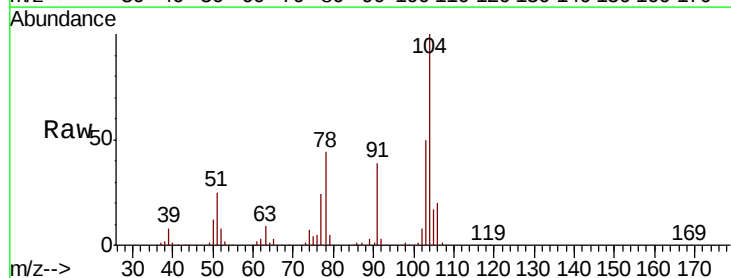
Acq: 06 Aug 2020 12:42

Tgt Ion:104 Resp: 328624

Ion Ratio Lower Upper

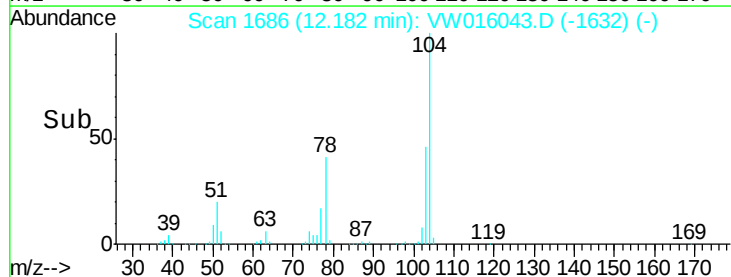
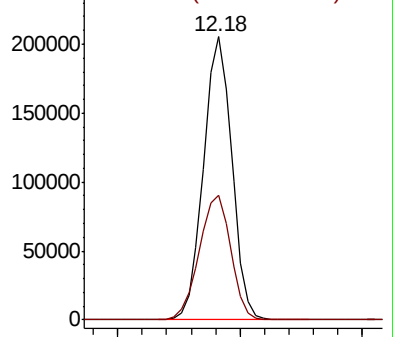
104 100

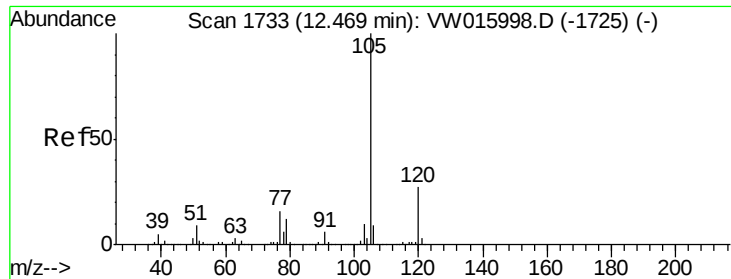
78 43.8 32.0 59.4



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 28.431 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW016043.D

Acq: 06 Aug 2020 12:42

Instrument :

MSVOA_W

ClientSampleId :

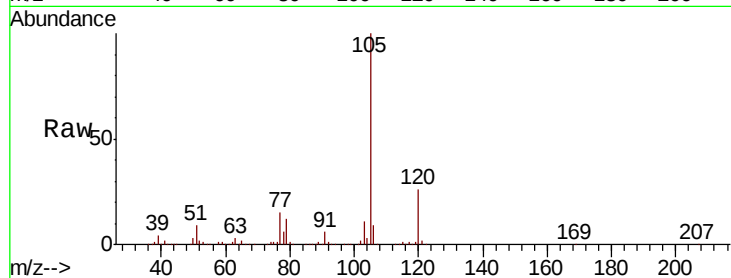
Tot Ion:105 Resp: 525530

Ion Ratio Lower Upper

105 100

120 26.6 20.4 30.6

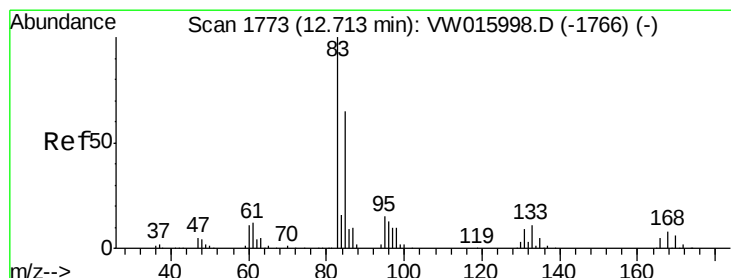
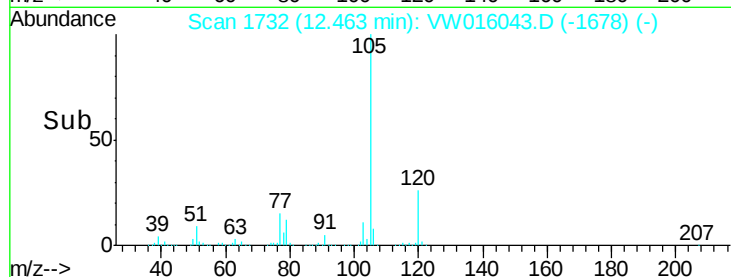
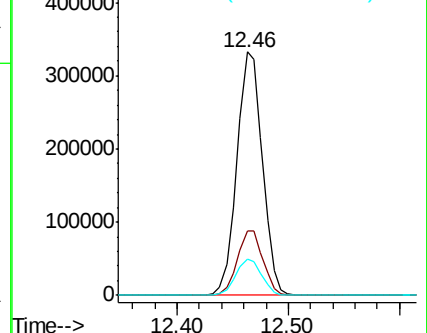
77 15.1 12.9 19.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 27.885 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.01 min

Lab File: VW016043.D

Acq: 06 Aug 2020 12:42

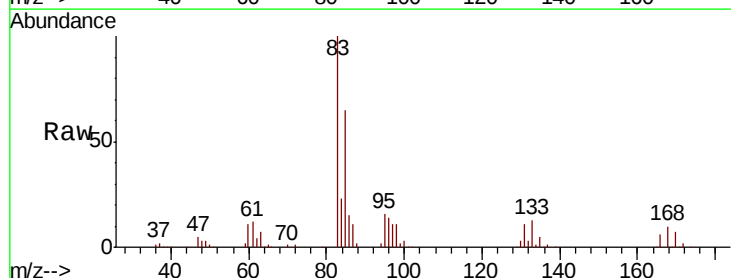
Tgt Ion: 83 Resp: 95332

Ion Ratio Lower Upper

83 100

85 64.7 45.1 83.7

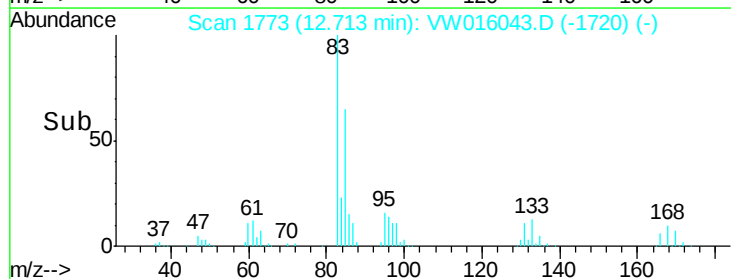
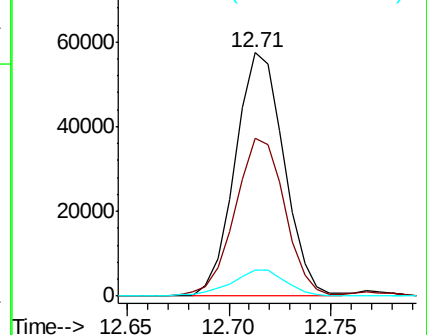
131 10.8 8.2 12.4

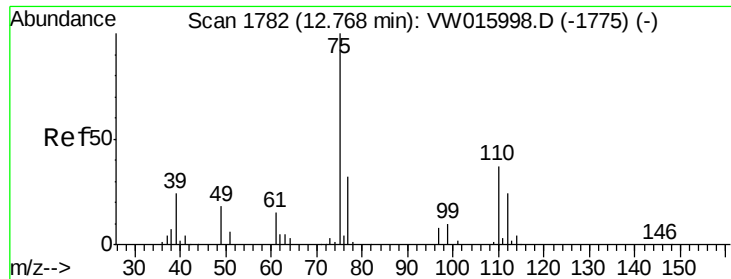


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V

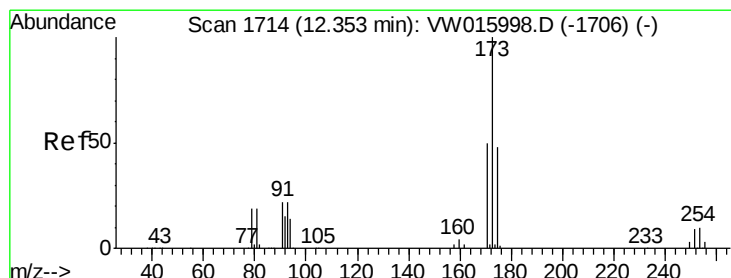
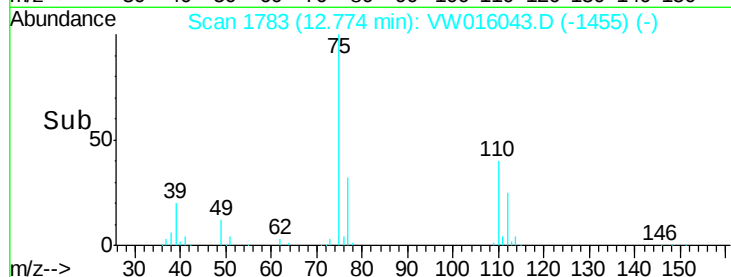
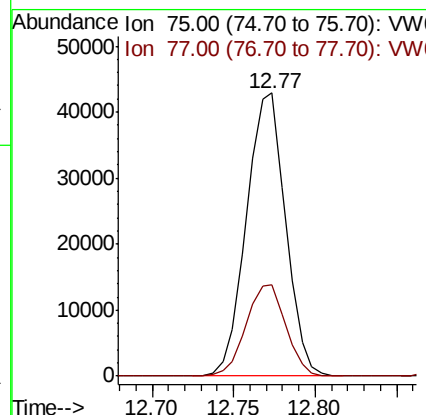
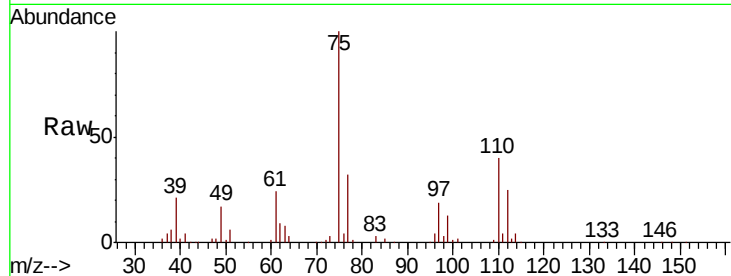




#59
 1,2,3-Trichloropropane
 Concen: 28.014 ug/L
 RT: 12.77 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VW016043.D
 Acq: 06 Aug 2020 12:42

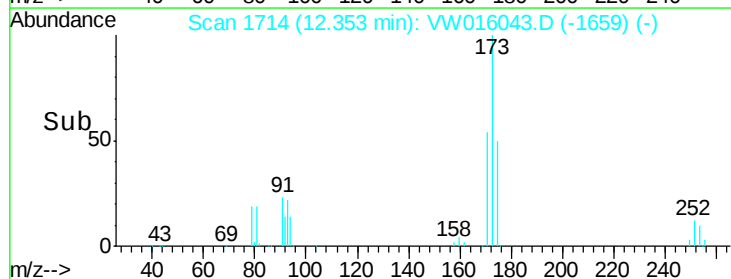
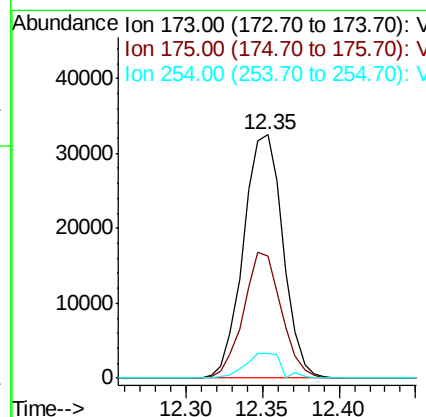
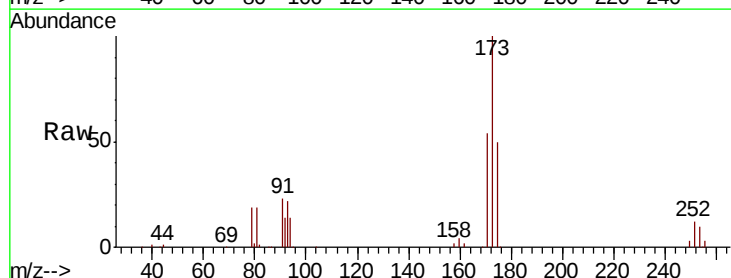
Instrument :
 MSVOA_W
 ClientSampleId :

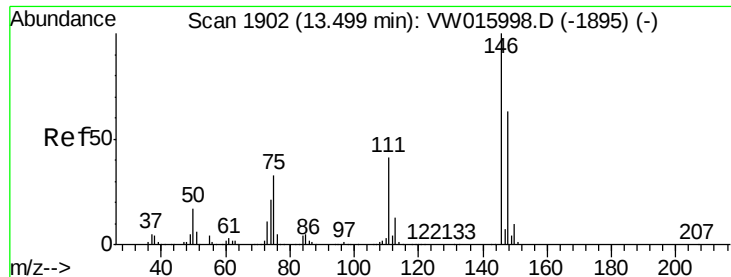
Tot Ion: 75 Resp: 71757
 Ion Ratio Lower Upper
 75 100
 77 32.9 26.0 39.0



#62
 Bromoform
 Concen: 29.174 ug/L
 RT: 12.35 min Scan# 1714
 Delta R.T. 0.01 min
 Lab File: VW016043.D
 Acq: 06 Aug 2020 12:42

Tgt Ion: 173 Resp: 58519
 Ion Ratio Lower Upper
 173 100
 175 49.0 38.7 58.1
 254 8.5 7.9 11.9

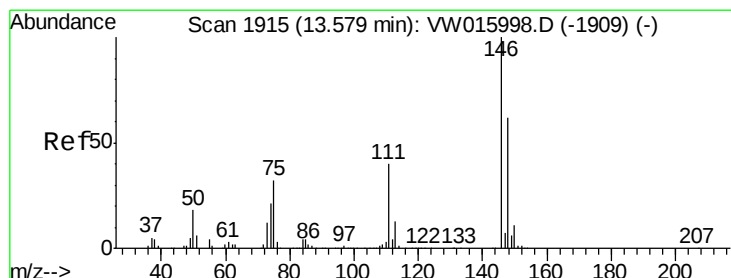
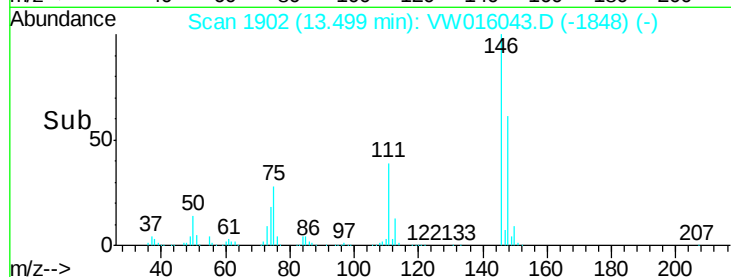
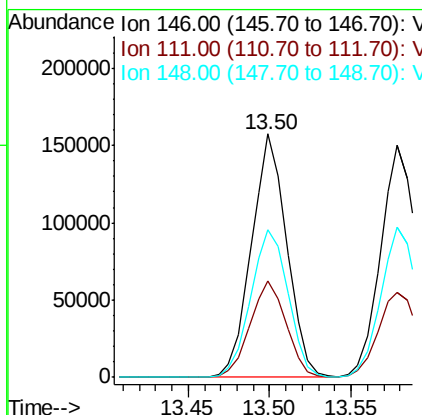
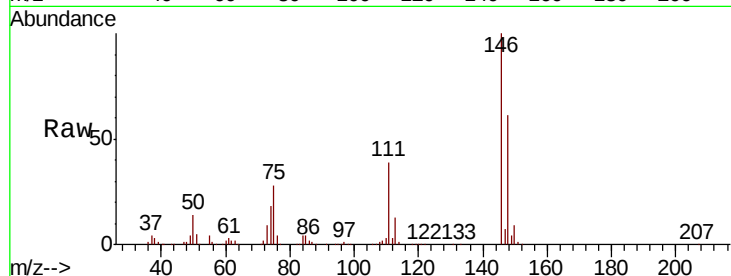




#63
 1,3-Dichlorobenzene
 Concen: 27.197 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW016043.D
 Acq: 06 Aug 2020 12:42

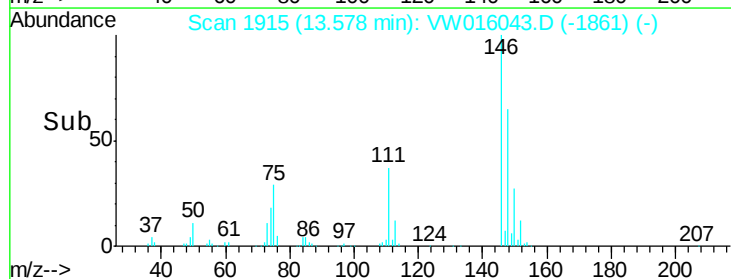
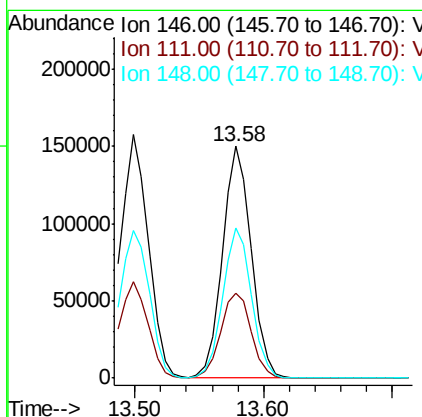
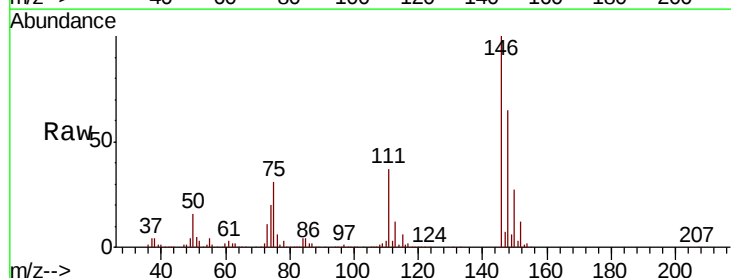
Instrument :
 MSVOA_W
 ClientSampleId :

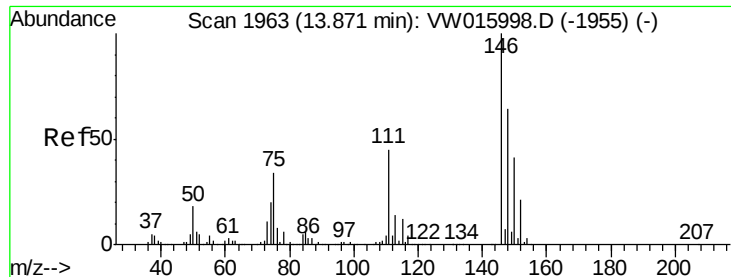
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.4	27.9	51.7
148	60.7	43.2	80.2



#64
 1,4-Dichlorobenzene
 Concen: 26.574 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW016043.D
 Acq: 06 Aug 2020 12:42

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.6	29.3	54.3
148	64.8	44.5	82.7

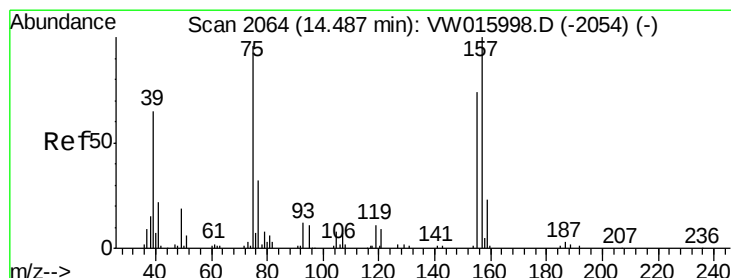
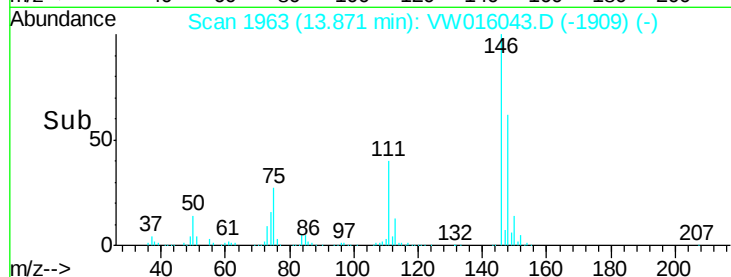
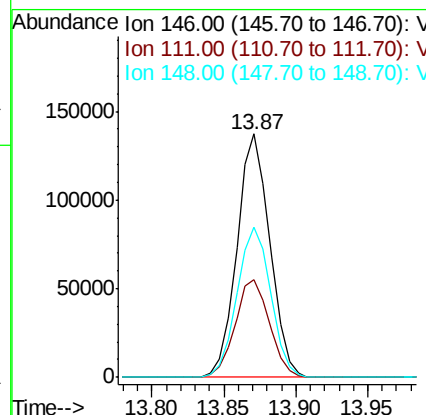
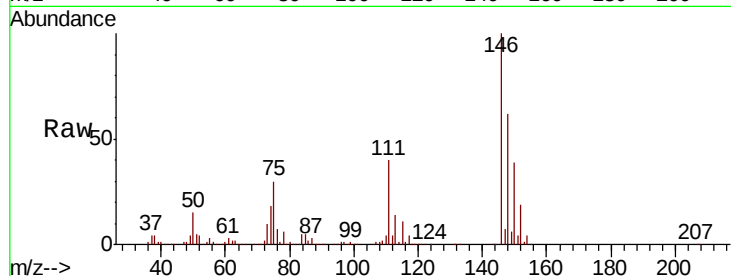




#65
 1,2-Dichlorobenzene
 Concen: 27.483 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW016043.D
 Acq: 06 Aug 2020 12:42

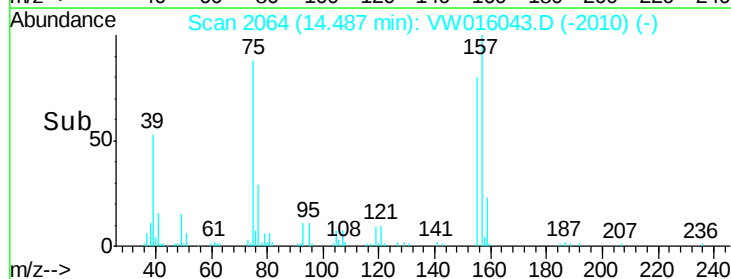
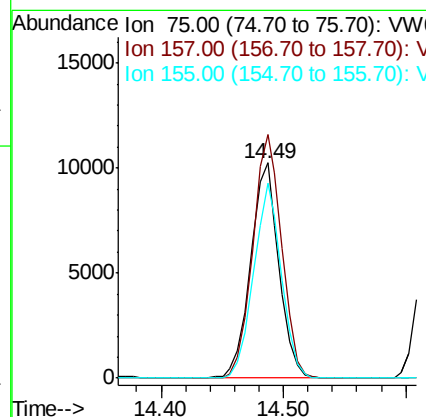
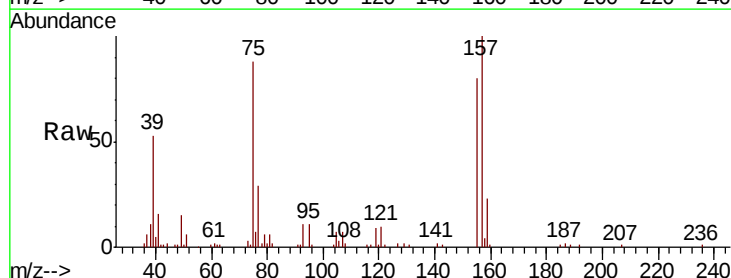
Instrument :
 MSVOA_W
 ClientSampleId :

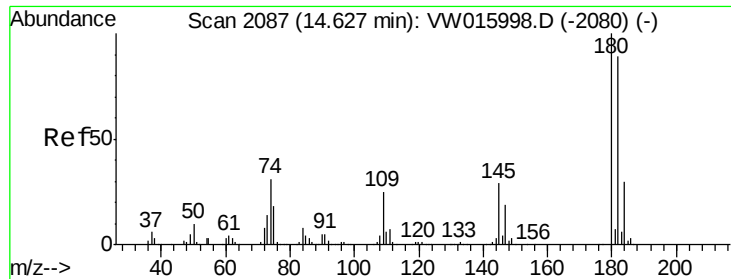
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.3	32.9	49.3
148	61.8	48.8	73.2



#66
 1,2-Dibromo-3-chloropropane
 Concen: 27.585 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW016043.D
 Acq: 06 Aug 2020 12:42

Tgt Ion	Ratio	Lower	Upper
75	100		
157	113.3	83.0	124.4
155	90.4	66.9	100.3

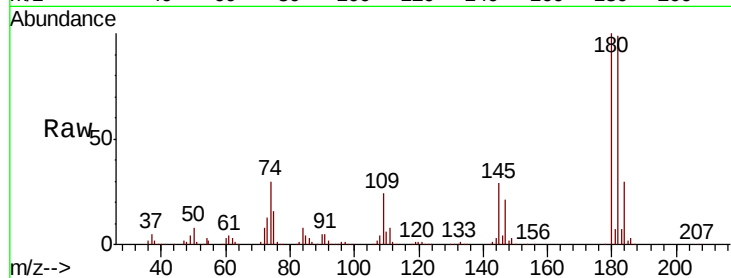




#67
 1,3,5-Trichlorobenzene
 Concen: 28.688 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. -0.01 min
 Lab File: VW016043.D
 Acq: 06 Aug 2020 12:42

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.6	75.4	113.0
184	30.0	24.6	37.0
145	29.5	24.1	36.1



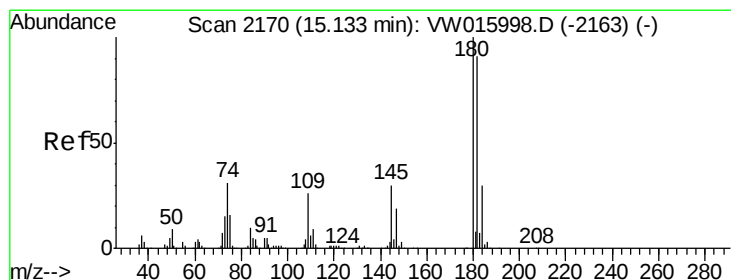
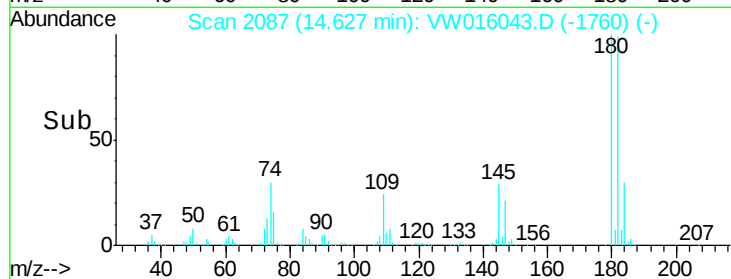
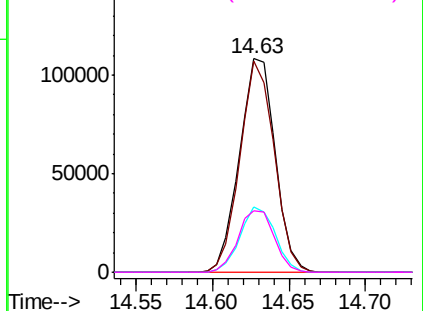
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

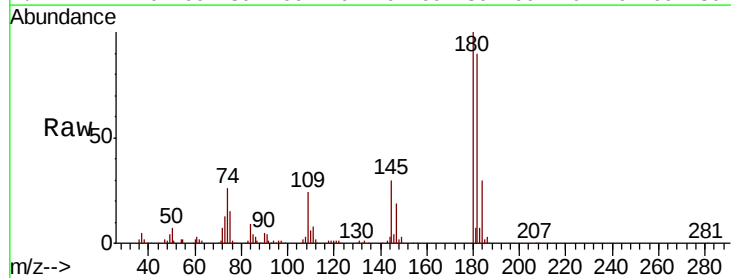
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 30.428 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW016043.D
 Acq: 06 Aug 2020 12:42

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.7	76.0	114.0
145	29.5	24.3	36.5

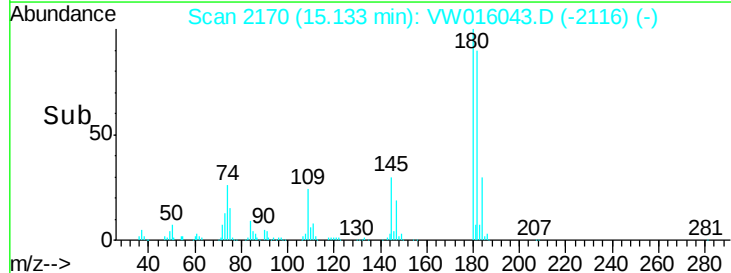
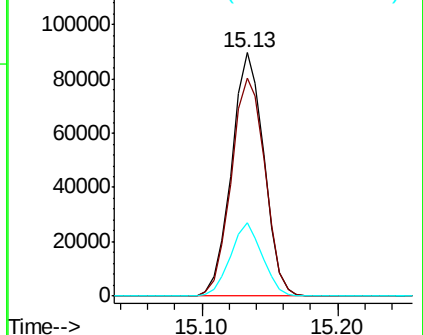


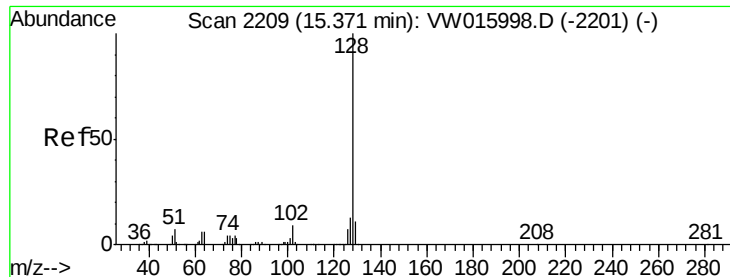
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 30.166 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. -0.01 min

Lab File: VW016043.D

Acq: 06 Aug 2020 12:42

Instrument :

MSVOA_W

ClientSampleId :

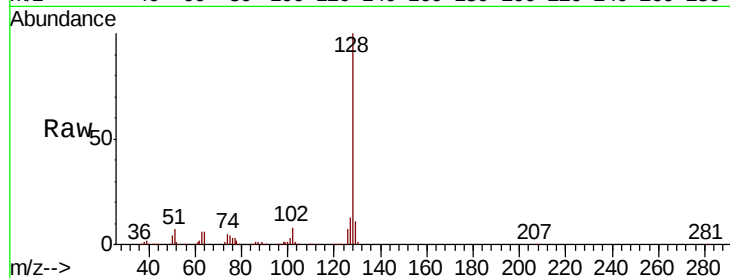
Tot Ion:128 Resp: 276989

Ion Ratio Lower Upper

128 100

129 10.8 8.6 12.8

127 13.1 10.5 15.7

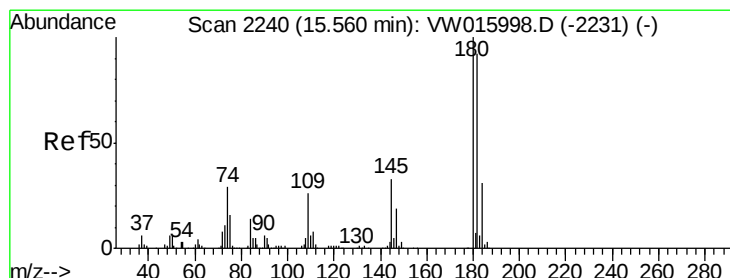
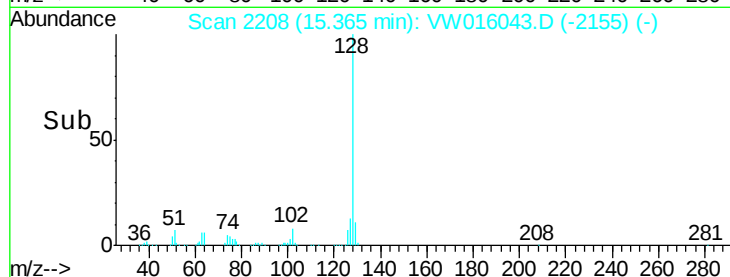
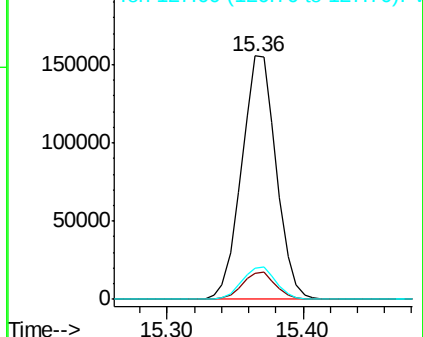


Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 30.201 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. -0.01 min

Lab File: VW016043.D

Acq: 06 Aug 2020 12:42

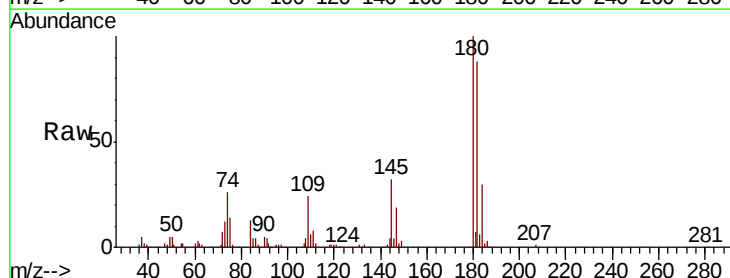
Tgt Ion:180 Resp: 131152

Ion Ratio Lower Upper

180 100

182 94.6 74.0 111.0

145 32.3 25.9 38.9



Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

