

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW112420\
 Data File : VW017469.D
 Acq On : 24 Nov 2020 13:25
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Nov 25 01:38:50 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM112420S.M
 Quant Title : VOC Analysis
 QLast Update : Tue Nov 24 12:56:37 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	425948	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	372279	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	201567	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	130930	23.37	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	93.48%
7) Chloroethane-d5	2.89	69	103678	21.93	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	87.72%
10) 1,1-Dichloroethene-d2	4.03	63	283462	22.72	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	90.88%
20) 2-Butanone-d5	7.28	46	365	0.31	ug/L	0.20
Spiked Amount	50.000	Range	20 - 135	Recovery	=	0.62%#
24) Chloroform-d	7.65	84	281329	23.25	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	93.00%
26) 1,2-Dichloroethane-d4	8.31	65	141671	23.86	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	95.44%
29) Benzene-d6	8.27	84	554508	24.22	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	96.88%
33) 1,2-Dichloropropane-d6	9.27	67	148831	23.50	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	94.00%
37) Toluene-d8	10.33	98	511446	24.53	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	98.12%
38) trans-1,3-Dichloropropene-	10.58	79	71151	25.14	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	100.56%
39) 2-Hexanone-d5	10.93	63	45598	58.16	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	116.32%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	117543	25.79	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	103.16%
61) 1,2-Dichlorobenzene-d4	13.85	152	180117	24.14	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	96.56%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.01	85	95838	23.678	ug/L 96
3) Chloromethane	2.21	50	99093	23.780	ug/L 99
5) Vinyl chloride	2.37	62	130307	25.215	ug/L 98
6) Bromomethane	2.79	94	89675	24.098	ug/L 99
8) Chloroethane	2.93	64	81642	23.514	ug/L 93
9) Trichlorofluoromethane	3.26	101	141567	23.923	ug/L 99
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	150080	24.778	ug/L # 69
12) 1,1-Dichloroethene	4.05	96	145167	24.579	ug/L 98
13) Acetone	4.13	43	50867	44.737	ug/L 99
14) Carbon disulfide	4.39	76	411345	24.350	ug/L 100
15) Methyl Acetate	4.67	43	53972	27.270	ug/L 98
16) Methylene chloride	4.92	84	147160	23.011	ug/L 98
17) Methyl tert-butyl Ether	5.43	73	164183	25.845	ug/L 100
18) trans-1,2-Dichloroethene	5.43	96	151680	24.983	ug/L 94
19) 1,1-Dichloroethane	6.22	63	252583	24.640	ug/L 96
21) 2-Butanone	7.18	43	74352	54.644	ug/L 100
22) cis-1,2-Dichloroethene	7.17	96	160443	25.328	ug/L 99

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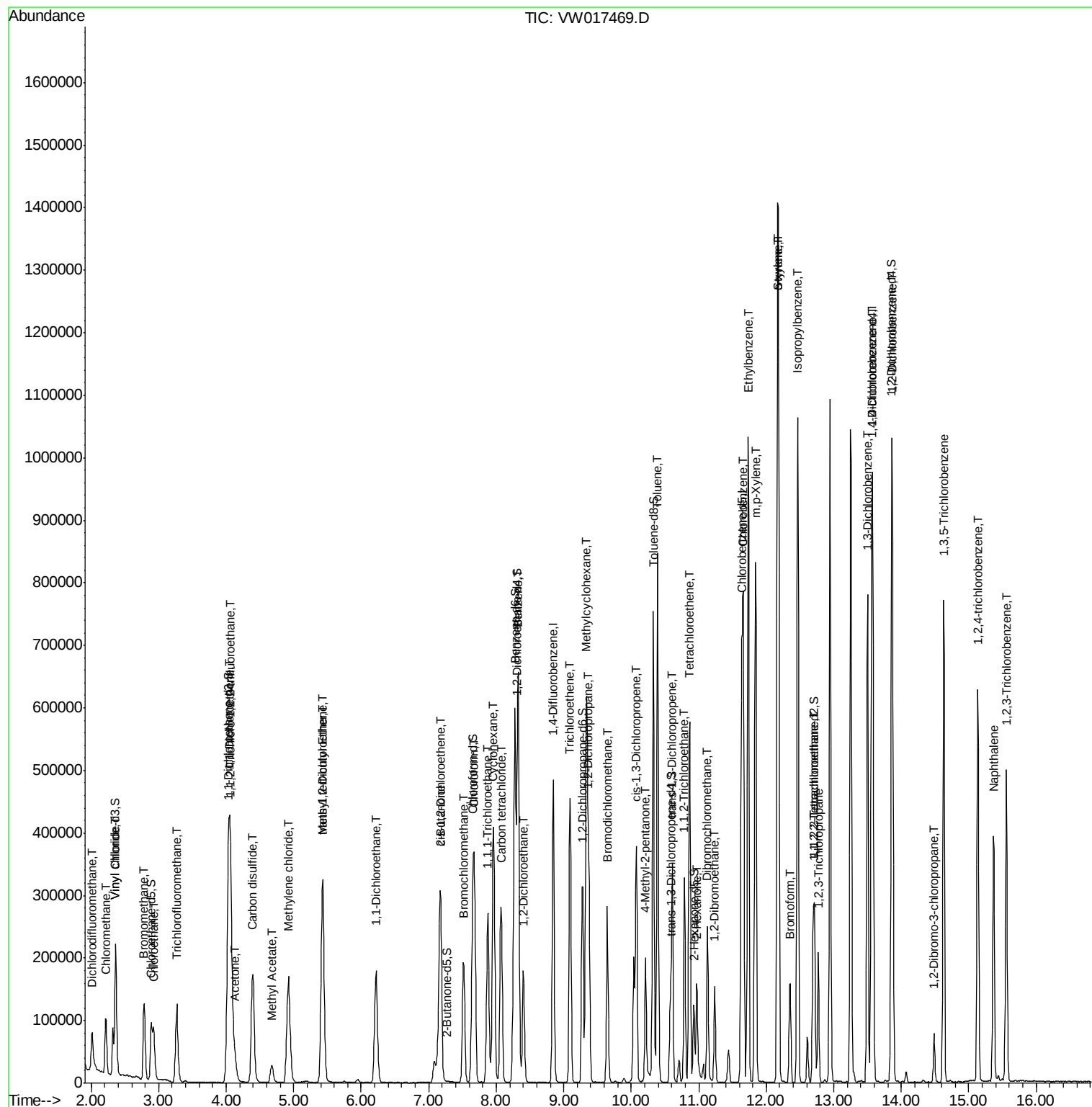
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.52	128	73103	25.405	ug/L	98
25) Chloroform	7.68	83	269468	24.901	ug/L	99
27) 1,2-Dichloroethane	8.40	62	164333	25.214	ug/L	99
30) Cyclohexane	7.96	56	230920	26.005	ug/L	99
31) 1,1,1-Trichloroethane	7.88	97	228566	25.941	ug/L	100
32) Carbon tetrachloride	8.07	117	223105	26.078	ug/L	97
34) Benzene	8.33	78	579687	25.907	ug/L	100
35) Trichloroethene	9.09	95	161775	26.080	ug/L	98
36) Methylcyclohexane	9.34	83	266001	25.931	ug/L	99
40) 1,2-Dichloropropane	9.37	63	137683	26.197	ug/L	99
41) Bromodichloromethane	9.65	83	190873	26.285	ug/L	97
42) cis-1,3-Dichloropropene	10.07	75	219311	26.941	ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	135174	55.867	ug/L	98
44) Toluene	10.39	91	624747	25.947	ug/L	99
45) trans-1,3-Dichloropropene	10.61	75	192632	27.614	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	105547	26.803	ug/L	98
47) Tetrachloroethene	10.87	164	137419	26.001	ug/L	97
49) 2-Hexanone	10.97	43	99628	58.304	ug/L	94
50) Dibromochloromethane	11.13	129	134889	27.422	ug/L	97
51) 1,2-Dibromoethane	11.24	107	103077	27.312	ug/L	99
52) Chlorobenzene	11.66	112	411314	26.088	ug/L	94
53) Ethylbenzene	11.73	91	715897	26.223	ug/L	99
54) m,p-Xylene	11.84	106	277038	26.598	ug/L	99
55) o-xylene	12.17	106	257329	26.526	ug/L	99
56) Styrene	12.18	104	450698	27.616	ug/L	97
57) Isopropylbenzene	12.46	105	712813	26.751	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	119325	28.153	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	86553	27.667	ug/L	97
62) Bromoform	12.35	173	77646	27.173	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	331104	25.475	ug/L	93
64) 1,4-Dichlorobenzene	13.58	146	324910	25.234	ug/L	96
65) 1,2-Dichlorobenzene	13.87	146	289602	25.582	ug/L	94
66) 1,2-Dibromo-3-chloropropan	14.49	75	19050	26.137	ug/L	89
67) 1,3,5-Trichlorobenzene	14.63	180	240960	25.880	ug/L	98
68) 1,2,4-trichlorobenzene	15.13	180	200985	26.702	ug/L	92
69) Naphthalene	15.36	128	341483	29.382	ug/L	99
70) 1,2,3-Trichlorobenzene	15.56	180	176395	28.096	ug/L	97

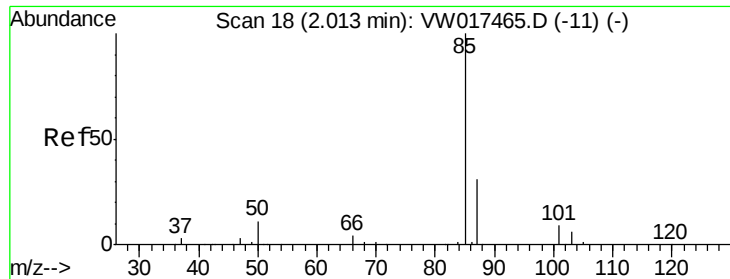
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 23.678 ug/L

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW017469.D

Acq: 24 Nov 2020 13:25

Instrument :

MSVOA_W

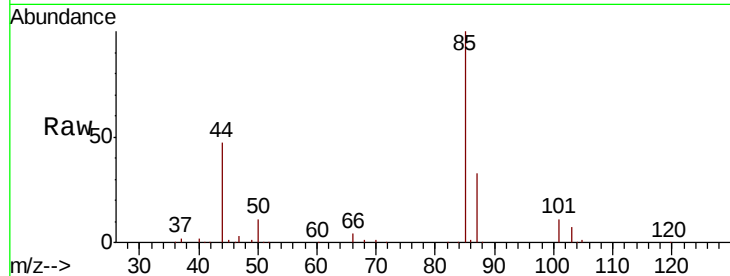
ClientSampleId :

Tot Ion: 85 Resp: 95838

Ion Ratio Lower Upper

85 100

87 30.6 23.2 43.0



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW

2.01

40000

30000

20000

10000

0

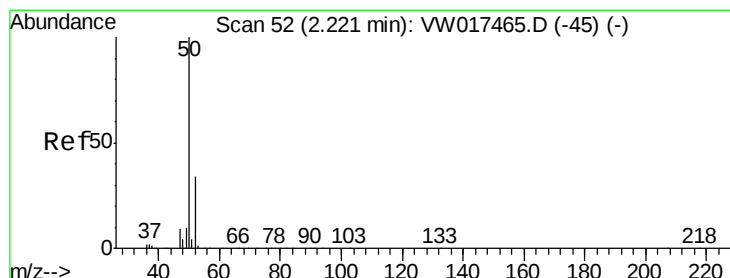
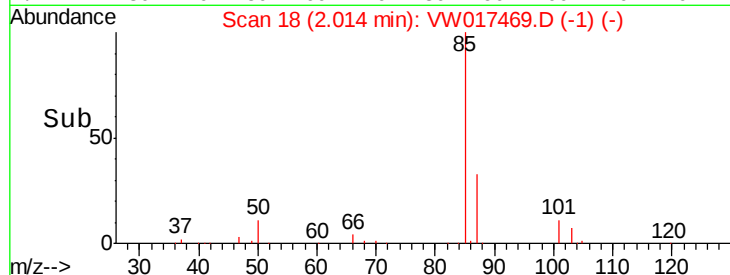
Time-->

1.90

2.00

2.10

2.20



#3

Chloromethane

Concen: 23.780 ug/L

RT: 2.21 min Scan# 51

Delta R.T. -0.01 min

Lab File: VW017469.D

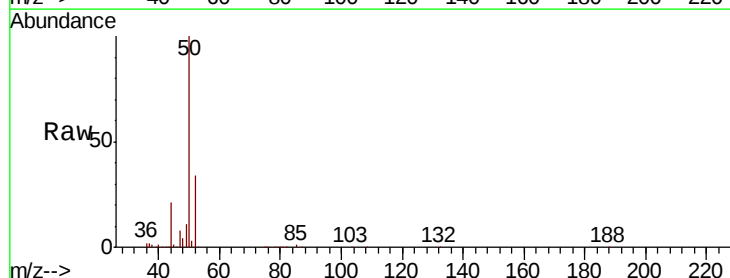
Acq: 24 Nov 2020 13:25

Tgt Ion: 50 Resp: 99093

Ion Ratio Lower Upper

50 100

52 33.9 23.4 43.6



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW

2.21

60000

50000

40000

30000

20000

10000

0

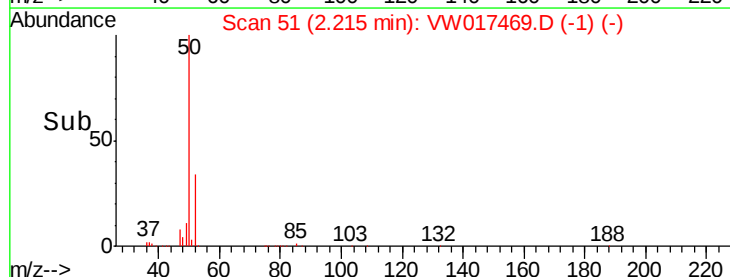
Time-->

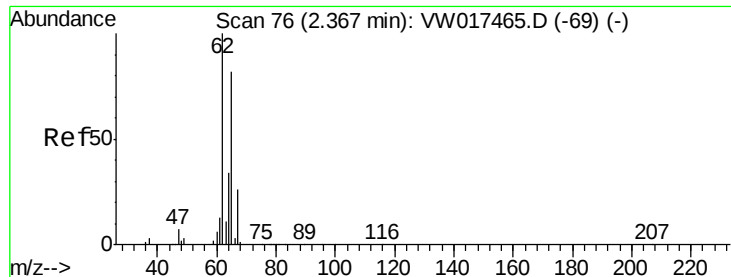
2.15

2.20

2.25

2.30





#5

Vinyl chloride

Concen: 25.215 ug/L

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW017469.D

Acq: 24 Nov 2020 13:25

Instrument :

MSVOA_W

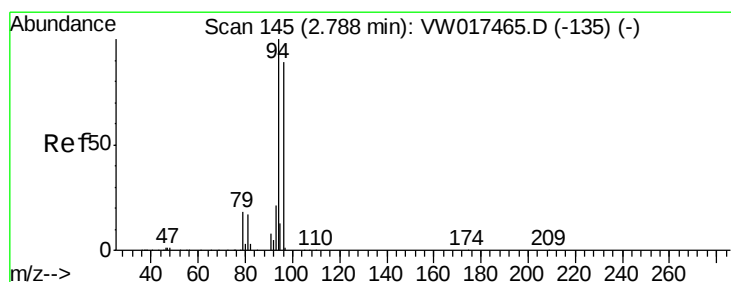
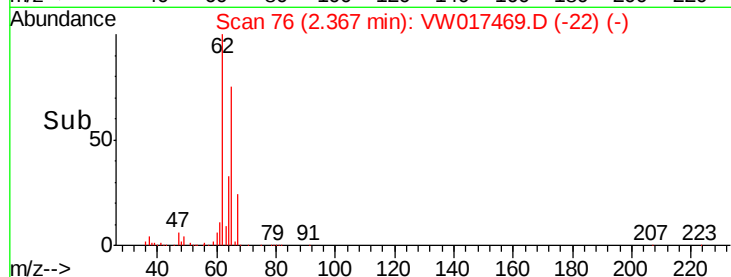
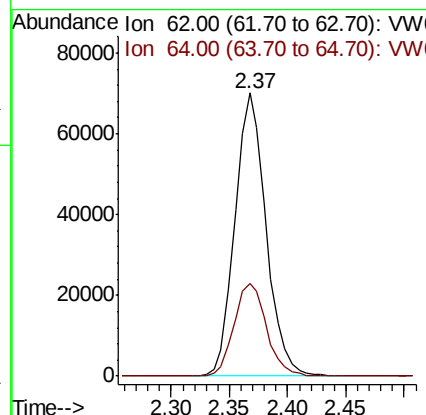
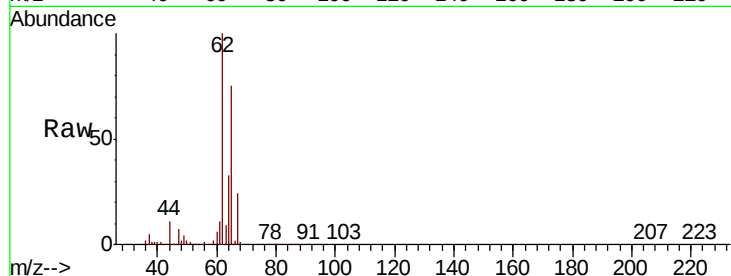
ClientSampled :

Tot Ion: 62 Resp: 130307

Ion Ratio Lower Upper

62 100

64 32.8 23.9 44.5



#6

Bromomethane

Concen: 24.098 ug/L

RT: 2.79 min Scan# 145

Delta R.T. 0.00 min

Lab File: VW017469.D

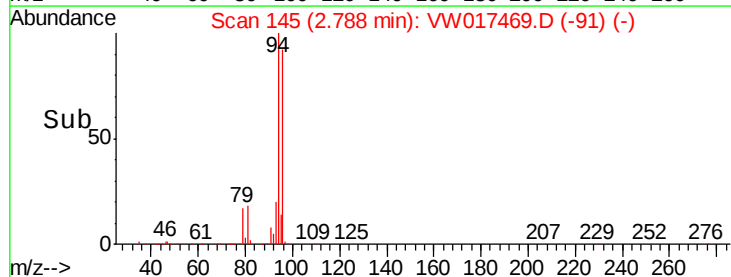
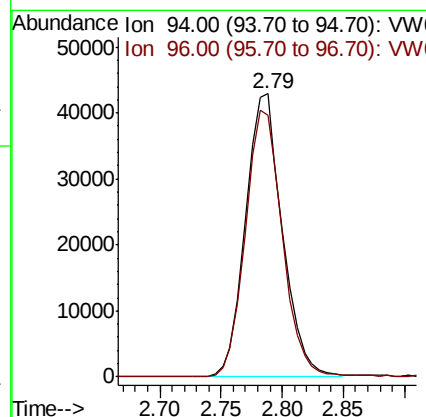
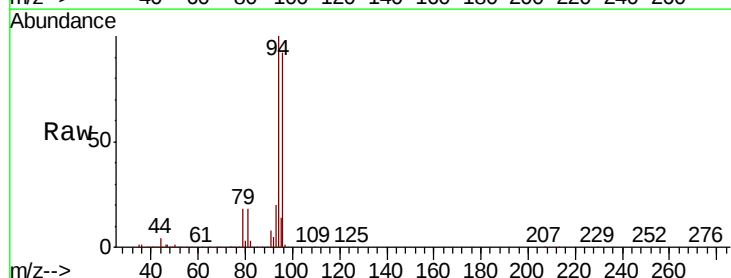
Acq: 24 Nov 2020 13:25

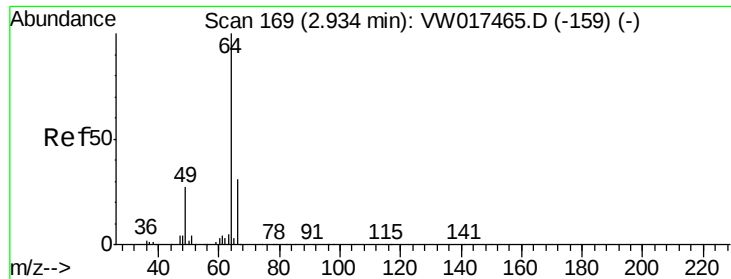
Tgt Ion: 94 Resp: 89675

Ion Ratio Lower Upper

94 100

96 94.5 9.4 178.0

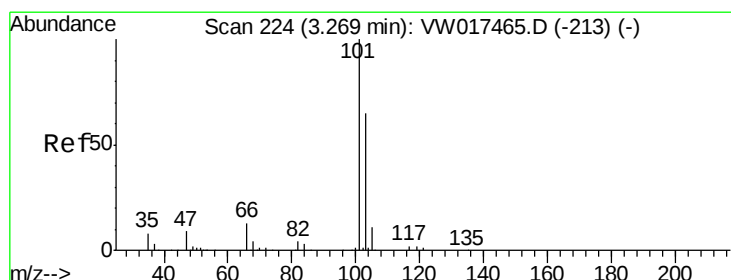
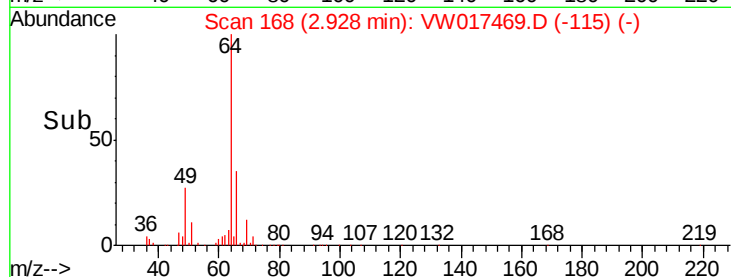
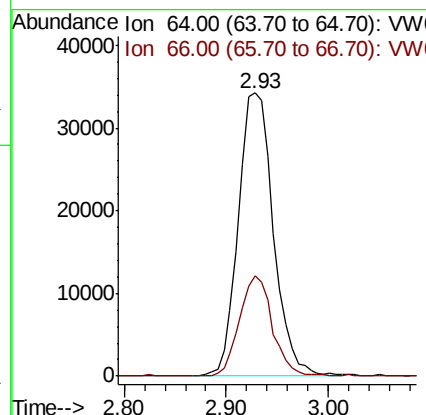
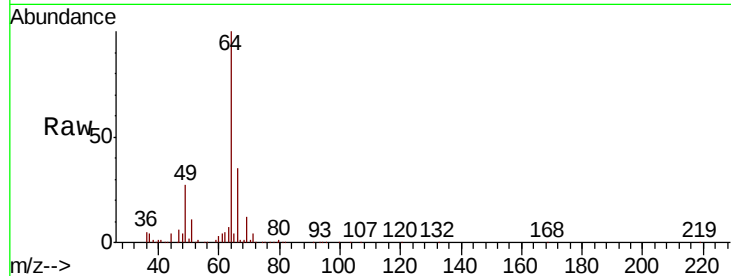




#8
Chloroethane
Concen: 23.514 ug/L
RT: 2.93 min Scan# 168
Delta R.T. -0.01 min
Lab File: VW017469.D
Acq: 24 Nov 2020 13:25

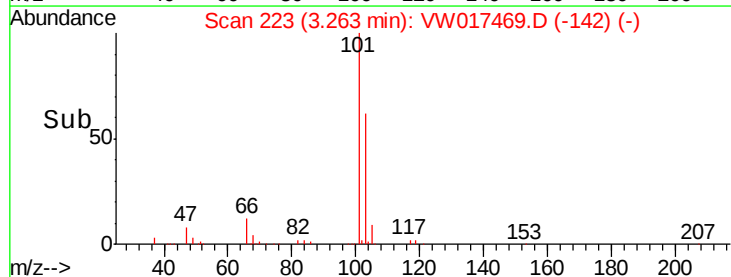
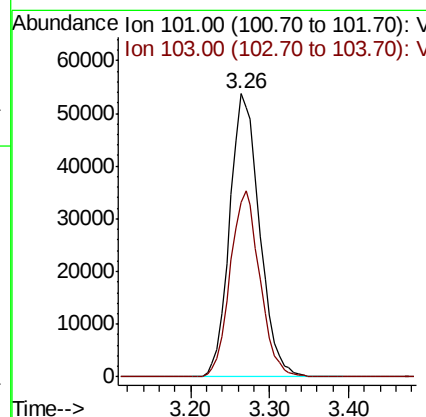
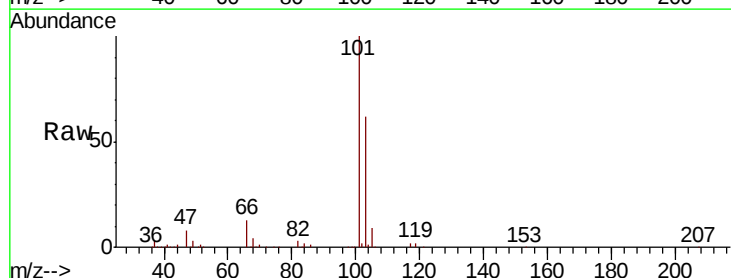
Instrument :
MSVOA_W
ClientSampleId :

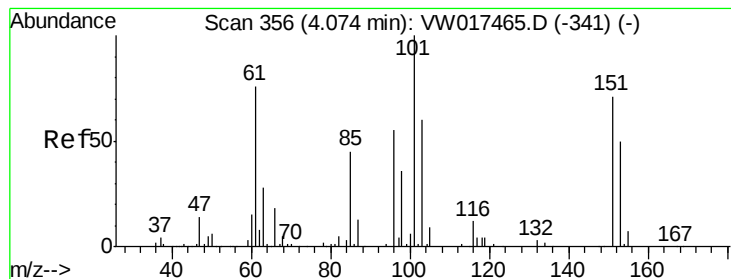
Tot Ion: 64 Resp: 81642
Ion Ratio Lower Upper
64 100
66 35.3 22.0 41.0



#9
Trichlorofluoromethane
Concen: 23.923 ug/L
RT: 3.26 min Scan# 223
Delta R.T. -0.01 min
Lab File: VW017469.D
Acq: 24 Nov 2020 13:25

Tgt Ion: 101 Resp: 141567
Ion Ratio Lower Upper
101 100
103 65.2 45.0 83.6





#11

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

Concen: 24.778 ug/L

RT: 4.07 min Scan# 355

Delta R.T. -0.01 min

Lab File: VW017469.D

Acq: 24 Nov 2020 13:25

Instrument :

MSVOA_W

ClientSampled :

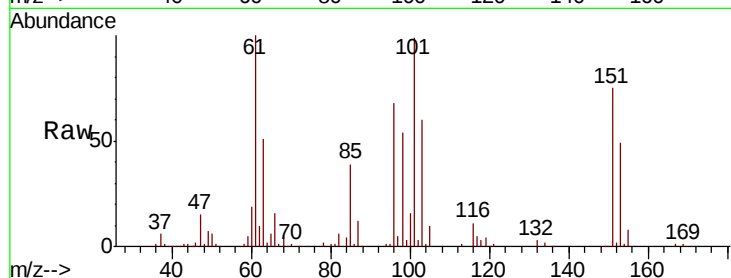
Tot Ion:101 Resp: 150080

Ion Ratio Lower Upper

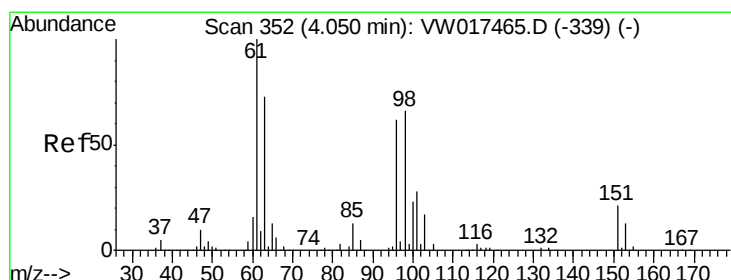
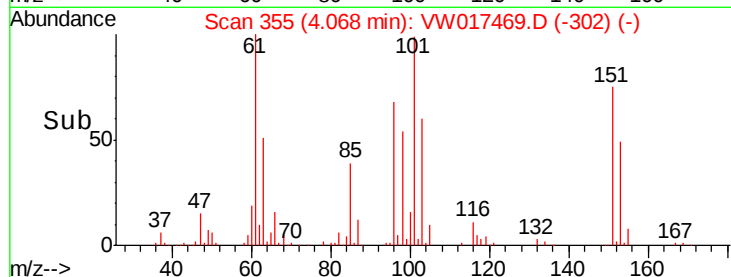
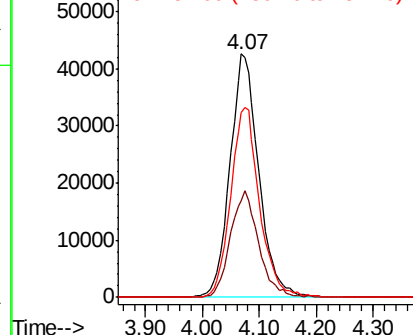
101 100

85 42.5 34.2 51.4

151 77.6 30.4 45.6#



Abundance Ion 101.00 (100.70 to 101.70): V
Ion 85.00 (84.70 to 85.70): VW
Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 24.579 ug/L

RT: 4.05 min Scan# 352

Delta R.T. 0.00 min

Lab File: VW017469.D

Acq: 24 Nov 2020 13:25

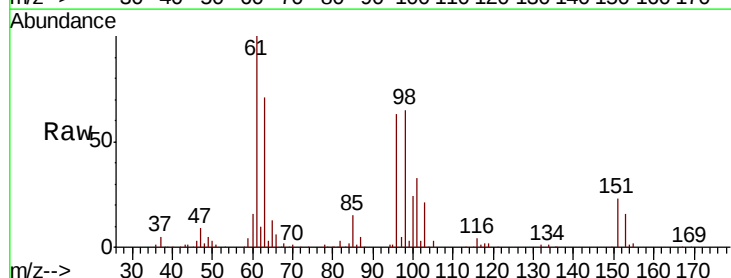
Tgt Ion: 96 Resp: 145167

Ion Ratio Lower Upper

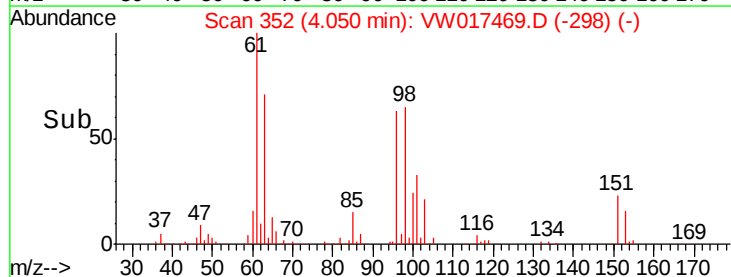
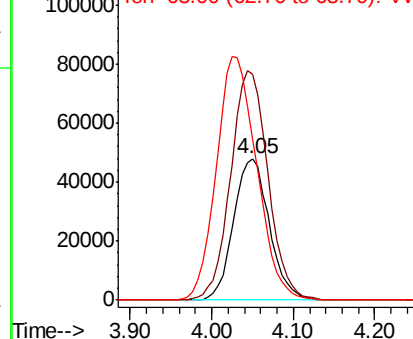
96 100

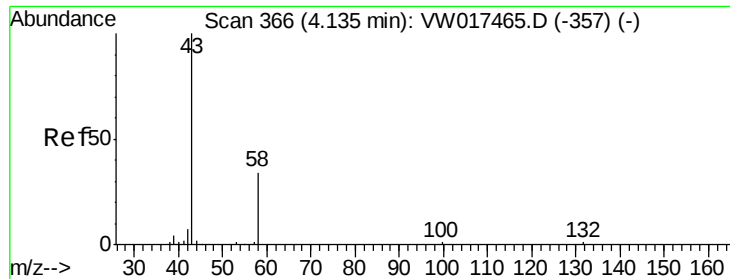
61 159.9 112.5 208.9

63 113.4 83.1 154.3



Abundance Ion 96.00 (95.70 to 96.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 44.737 ug/L

RT: 4.13 min Scan# 365

Delta R.T. -0.01 min

Lab File: VW017469.D

Acq: 24 Nov 2020 13:25

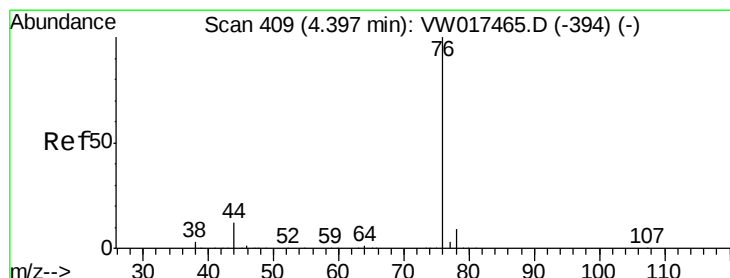
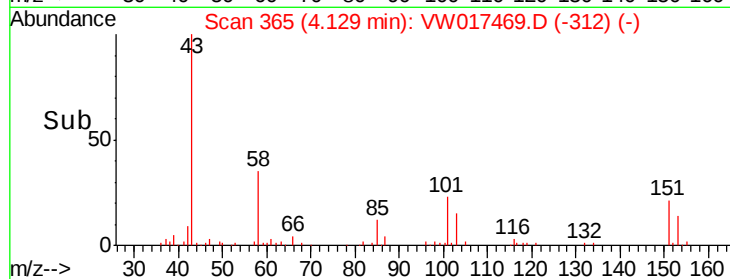
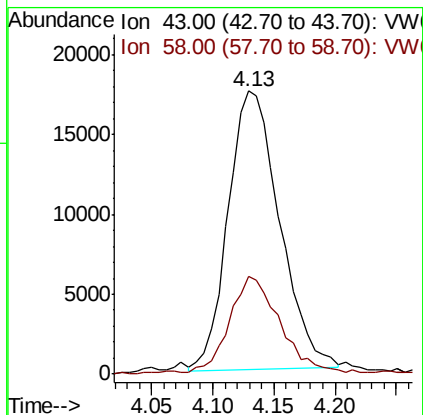
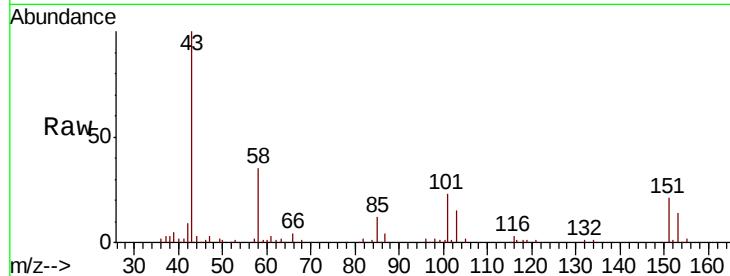
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 50867

Ion Ratio Lower Upper

43 100

58 34.7 0.0 68.4



#14

Carbon disulfide

Concen: 24.350 ug/L

RT: 4.39 min Scan# 408

Delta R.T. -0.01 min

Lab File: VW017469.D

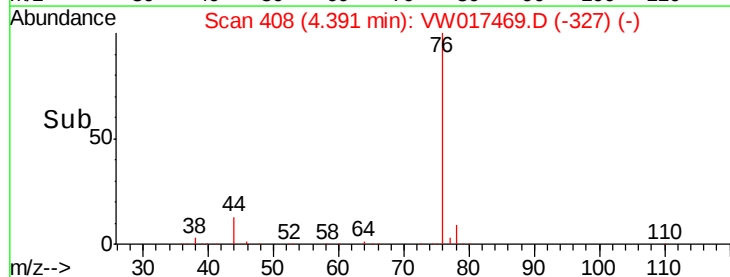
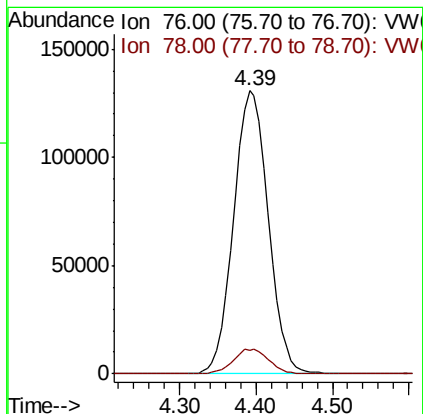
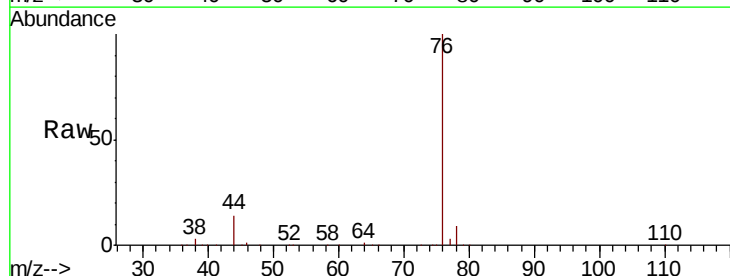
Acq: 24 Nov 2020 13:25

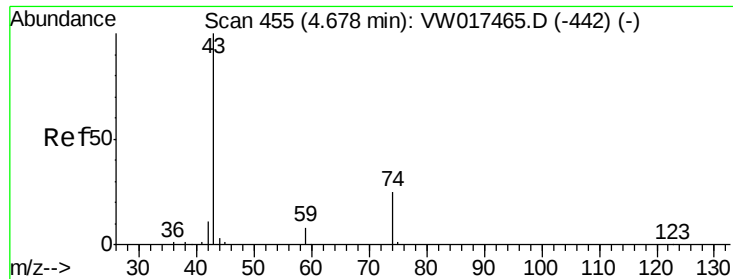
Tgt Ion: 76 Resp: 411345

Ion Ratio Lower Upper

76 100

78 8.5 7.0 10.4

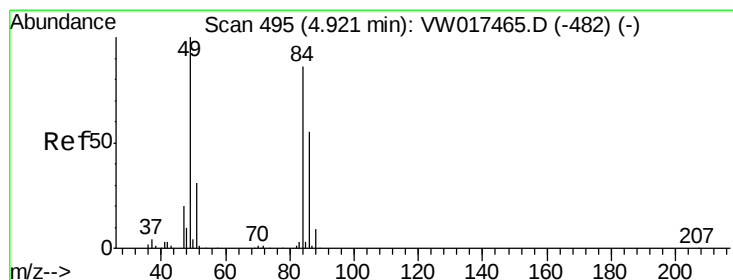
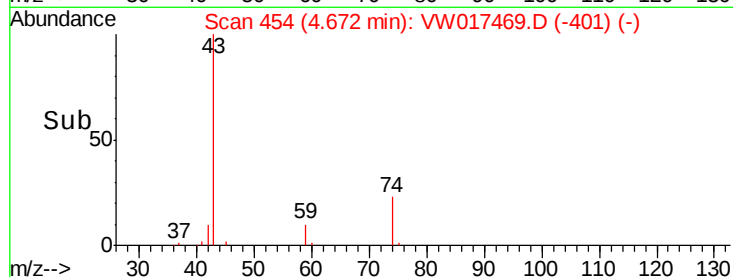
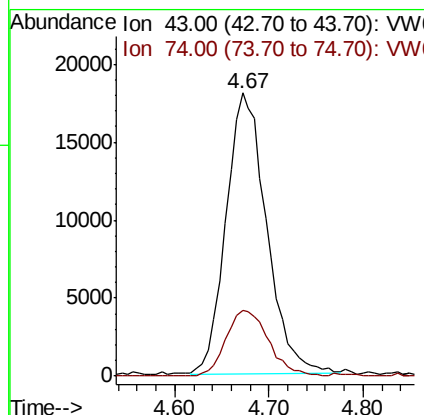
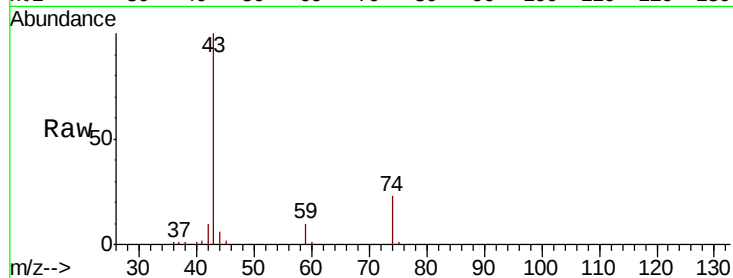




#15
Methvl Acetate
Concen: 27.270 ug/L
RT: 4.67 min Scan# 454
Delta R.T. -0.01 min
Lab File: VW017469.D
Acq: 24 Nov 2020 13:25

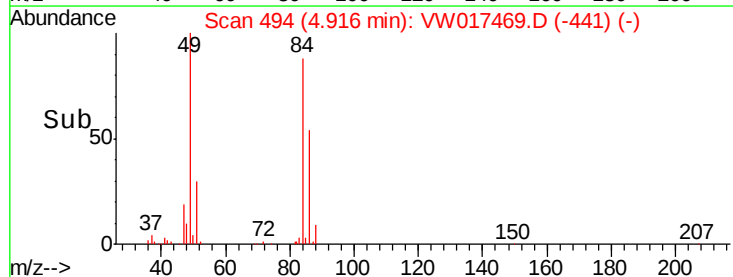
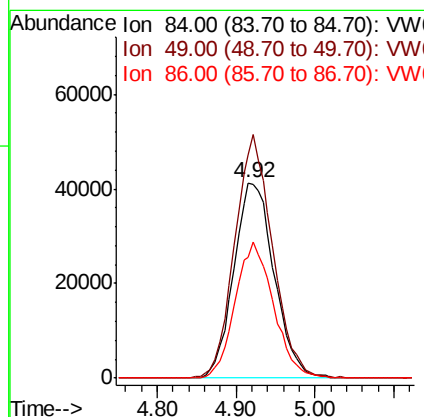
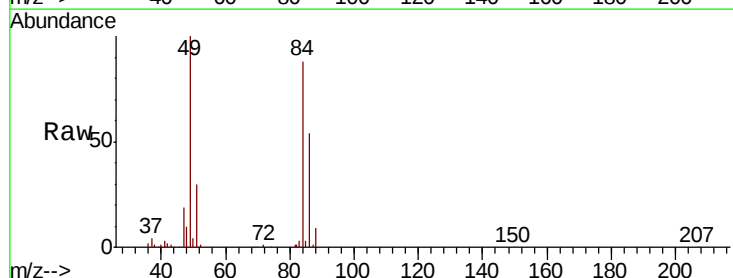
Instrument :
MSVOA_W
ClientSampled :

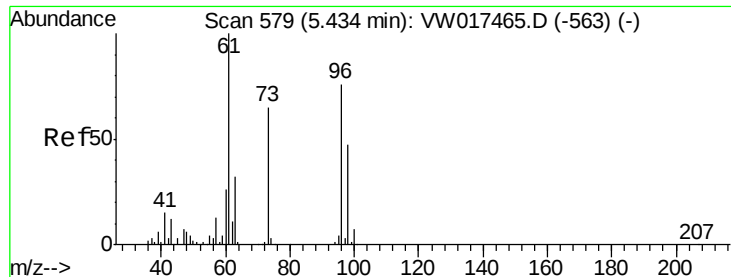
Tot Ion: 43 Resp: 53972
Ion Ratio Lower Upper
43 100
74 24.7 20.7 31.1



#16
Methylene chloride
Concen: 23.011 ug/L
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW017469.D
Acq: 24 Nov 2020 13:25

Tgt Ion: 84 Resp: 147160
Ion Ratio Lower Upper
84 100
49 114.2 81.2 150.8
86 62.1 44.5 82.7

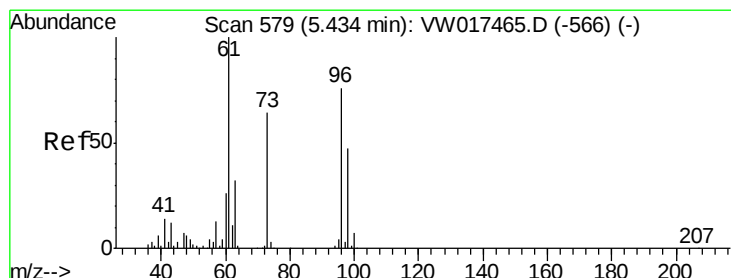
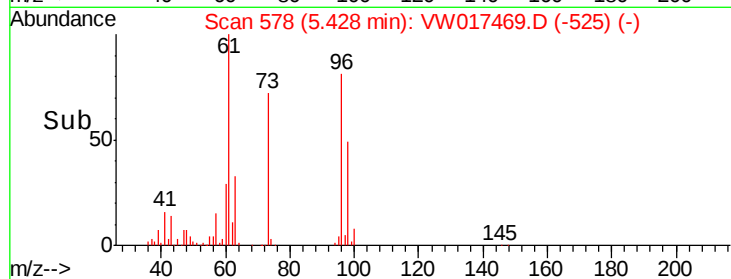
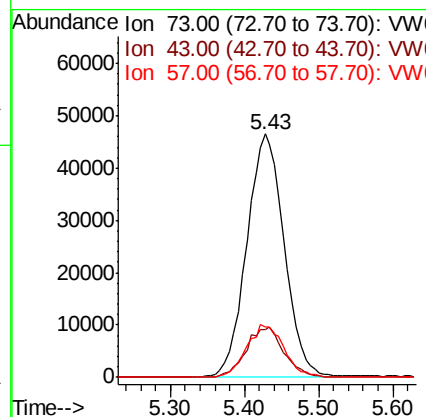
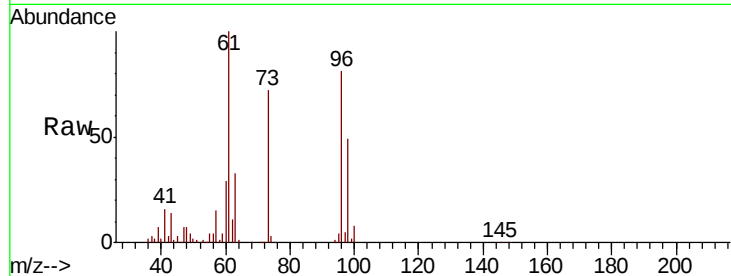




#17
Methvl tert-butvl Ether
Concen: 25.845 ug/L
RT: 5.43 min Scan# 578
Delta R.T. -0.01 min
Lab File: VW017469.D
Acq: 24 Nov 2020 13:25

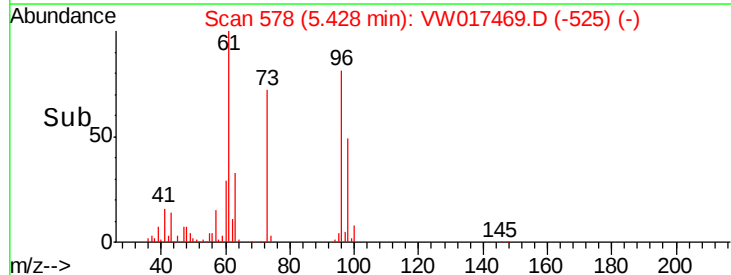
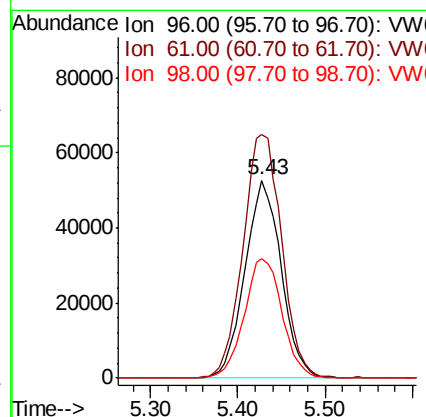
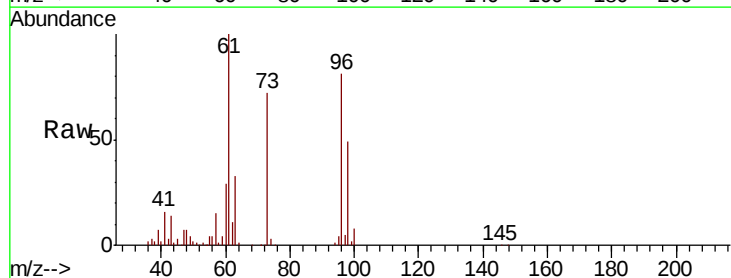
Instrument :
MSVOA_W
ClientSampled :

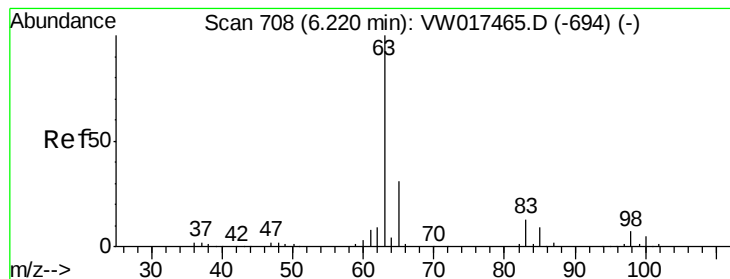
Tot Ion: 73 Resp: 164183
Ion Ratio Lower Upper
73 100
43 20.4 16.2 24.4
57 21.6 17.2 25.8



#18
trans-1,2-Dichloroethene
Concen: 24.983 ug/L
RT: 5.43 min Scan# 578
Delta R.T. -0.01 min
Lab File: VW017469.D
Acq: 24 Nov 2020 13:25

Tgt Ion: 96 Resp: 151680
Ion Ratio Lower Upper
96 100
61 123.2 92.7 172.1
98 60.6 43.3 80.3





#19

1,1-Dichloroethane

Concen: 24.640 ug/L

RT: 6.22 min Scan# 708

Delta R.T. 0.00 min

Lab File: VW017469.D

Acq: 24 Nov 2020 13:25

Instrument :

MSVOA_W

ClientSampled :

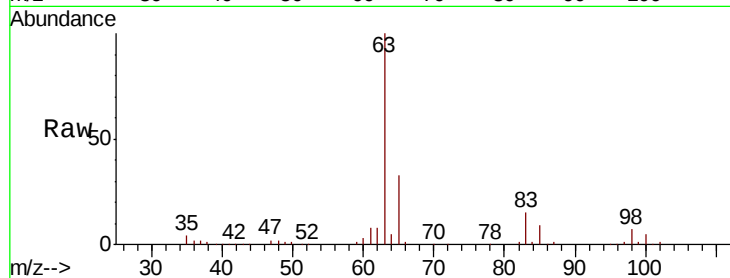
Tot Ion: 63 Resp: 252583

Ion Ratio Lower Upper

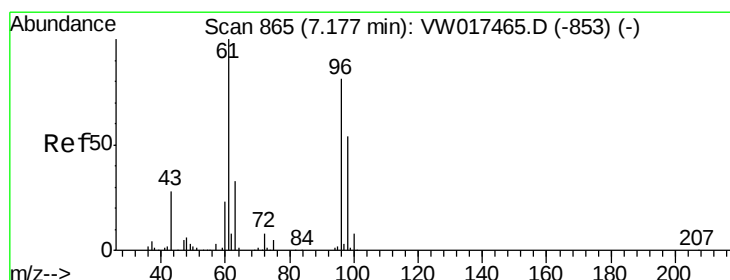
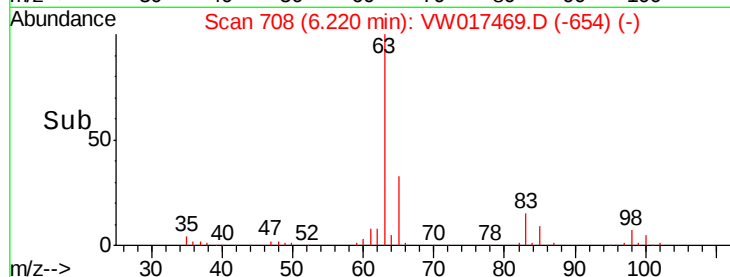
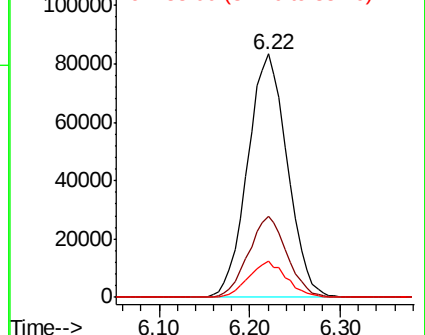
63 100

65 33.5 21.9 40.7

83 14.7 9.4 17.6



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: 54.644 ug/L

RT: 7.18 min Scan# 865

Delta R.T. 0.00 min

Lab File: VW017469.D

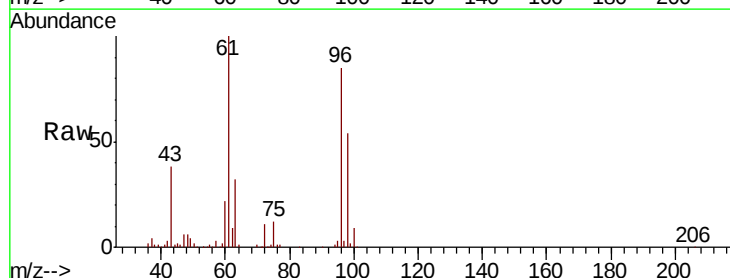
Acq: 24 Nov 2020 13:25

Tgt Ion: 43 Resp: 74352

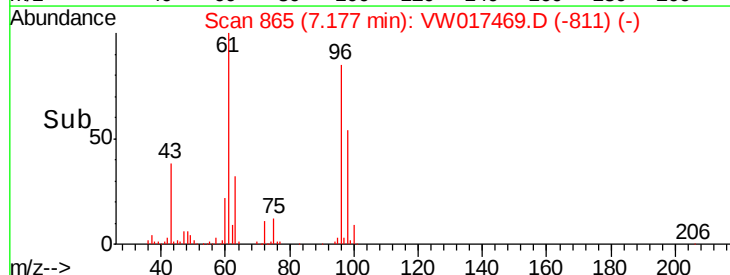
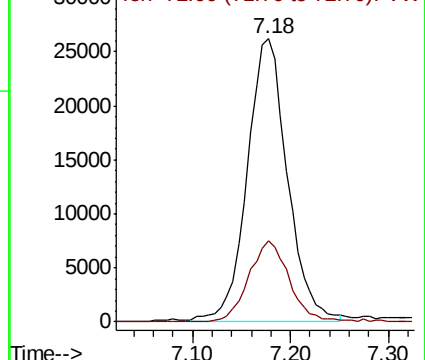
Ion Ratio Lower Upper

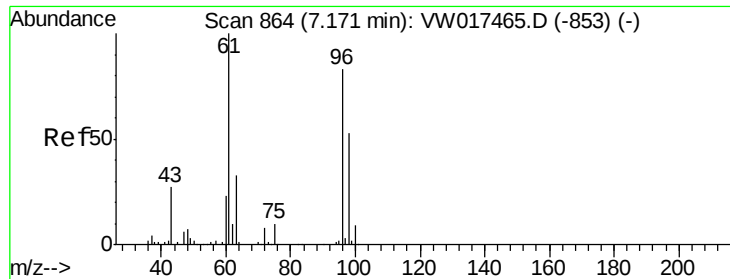
43 100

72 28.7 14.4 43.2



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



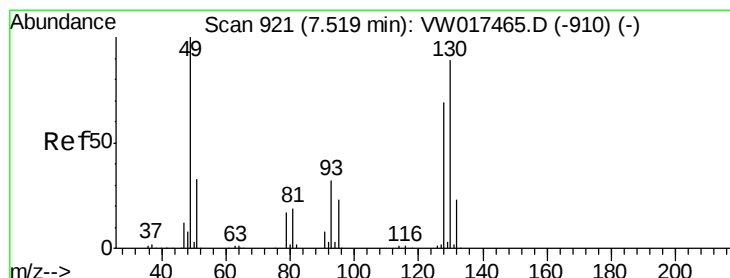
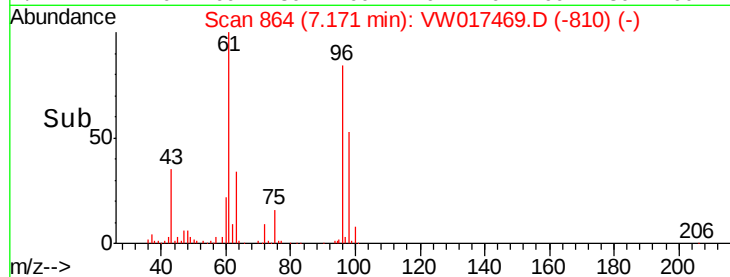
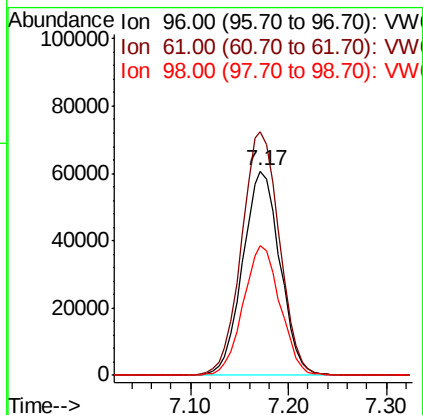
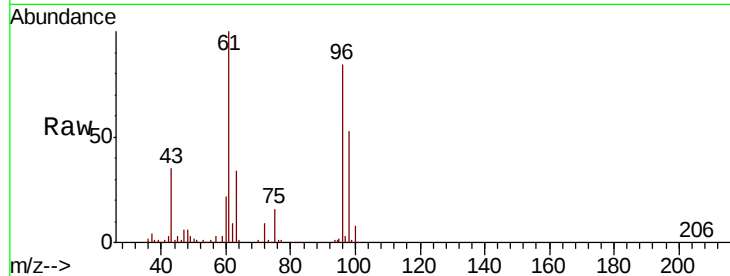


#22

cis-1,2-Dichloroethene
 Concen: 25.328 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. 0.00 min
 Lab File: VW017469.D
 Acq: 24 Nov 2020 13:25

Instrument :
 MSVOA_W
 ClientSampleId :

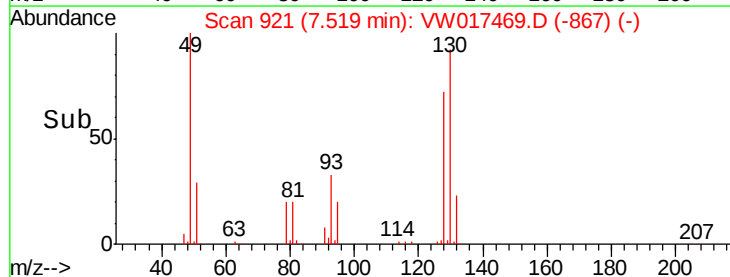
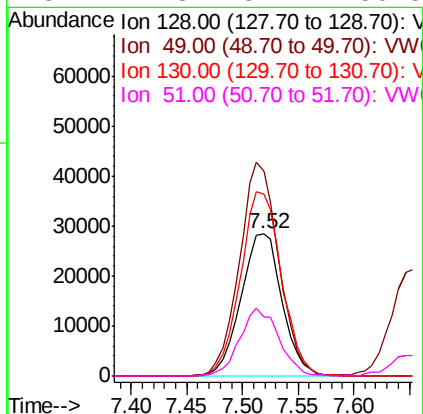
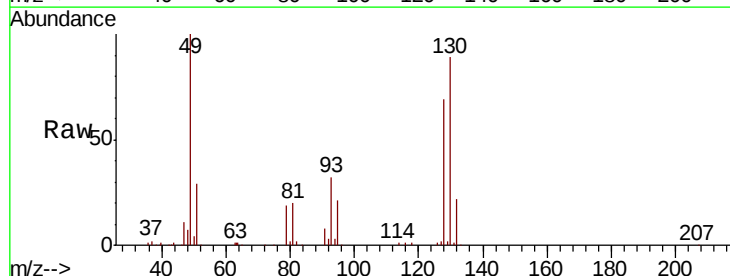
Tot Ion: 96 Resp: 160443
 Ion Ratio Lower Upper
 96 100
 61 119.4 84.6 157.2
 98 63.5 44.7 82.9

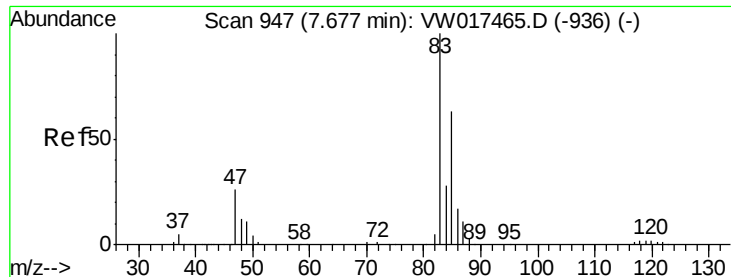


#23

Bromochloromethane
 Concen: 25.405 ug/L
 RT: 7.52 min Scan# 921
 Delta R.T. 0.00 min
 Lab File: VW017469.D
 Acq: 24 Nov 2020 13:25

Tgt Ion: 128 Resp: 73103
 Ion Ratio Lower Upper
 128 100
 49 144.2 101.6 188.6
 130 128.0 90.4 167.8
 51 41.3 37.7 56.5

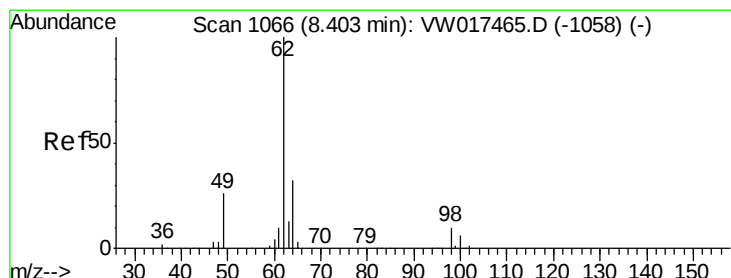
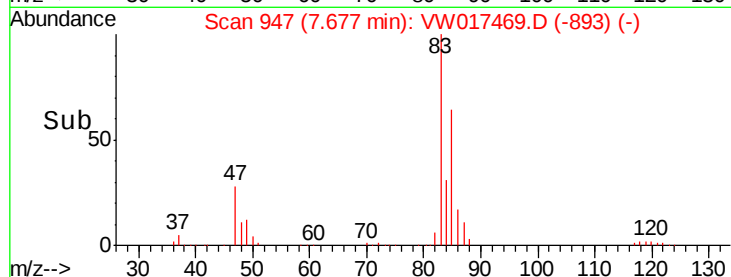
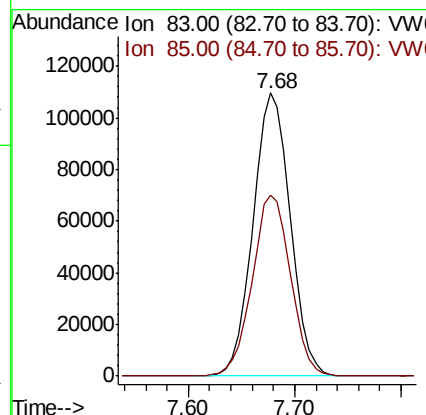
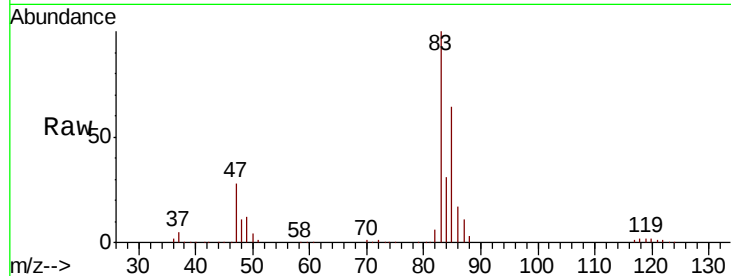




#25
Chloroform
Concen: 24.901 ug/L
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW017469.D
Acq: 24 Nov 2020 13:25

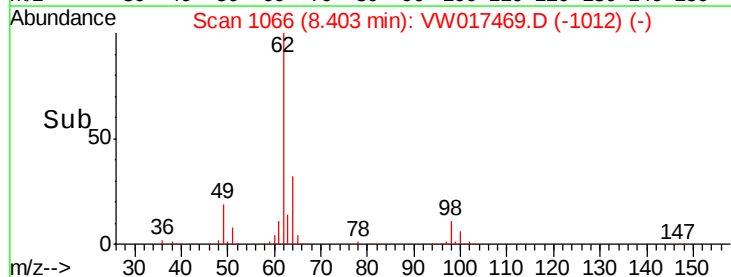
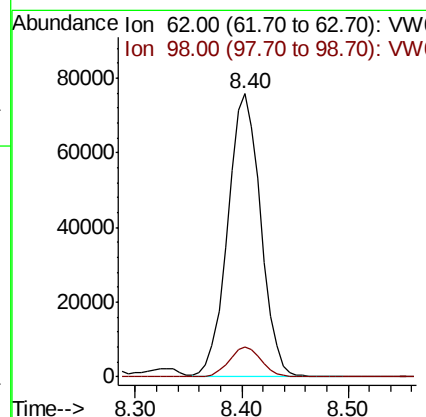
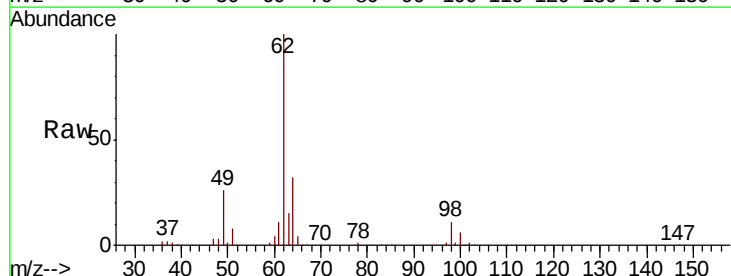
Instrument :
MSVOA_W
ClientSampleId :

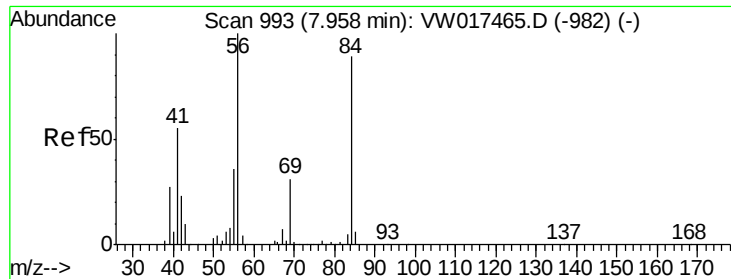
Tot Ion: 83 Resp: 269468
Ion Ratio Lower Upper
83 100
85 65.9 45.7 84.9



#27
1,2-Dichloroethane
Concen: 25.214 ug/L
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW017469.D
Acq: 24 Nov 2020 13:25

Tgt Ion: 62 Resp: 164333
Ion Ratio Lower Upper
62 100
98 10.5 8.0 12.0

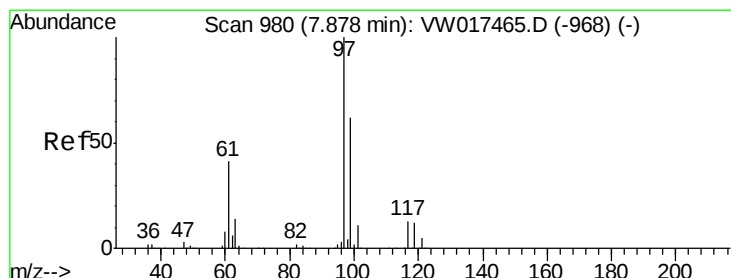
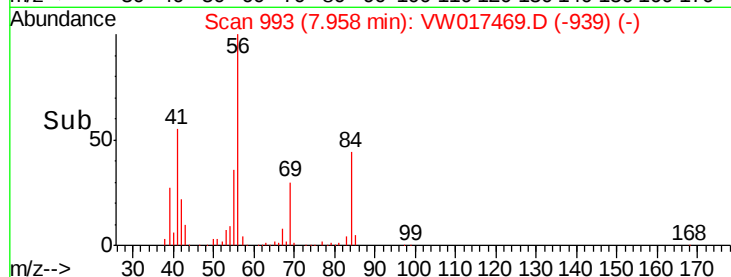
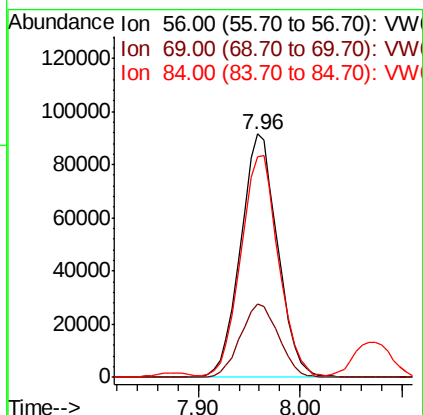
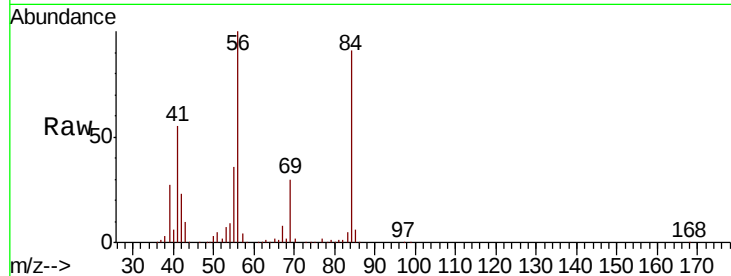




#30
Cyclohexane
Concen: 26.005 ug/L
RT: 7.96 min Scan# 993
Delta R.T. 0.00 min
Lab File: VW017469.D
Acq: 24 Nov 2020 13:25

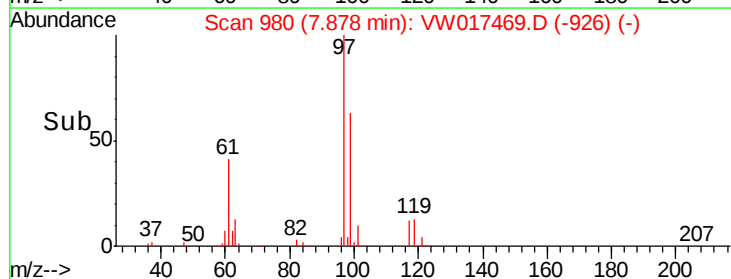
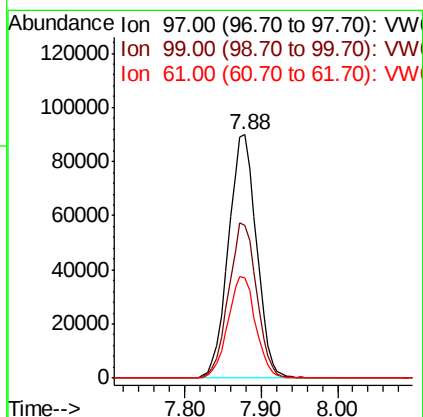
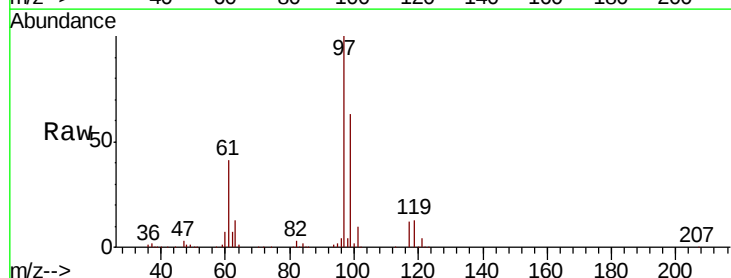
Instrument :
MSVOA_W
ClientSampled :

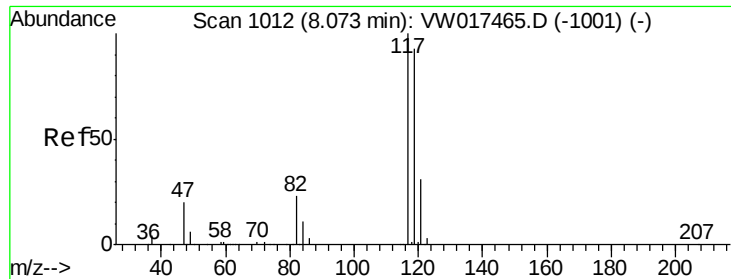
Tot Ion: 56 Resp: 230920
Ion Ratio Lower Upper
56 100
69 31.1 24.8 37.2
84 93.6 74.2 111.4



#31
1,1,1-Trichloroethane
Concen: 25.941 ug/L
RT: 7.88 min Scan# 980
Delta R.T. 0.00 min
Lab File: VW017469.D
Acq: 24 Nov 2020 13:25

Tgt Ion: 97 Resp: 228566
Ion Ratio Lower Upper
97 100
99 63.7 51.0 76.4
61 41.3 33.6 50.4





#32

Carbon tetrachloride

Concen: 26.078 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. -0.01 min

Lab File: VW017469.D

Acq: 24 Nov 2020 13:25

Instrument :

MSVOA_W

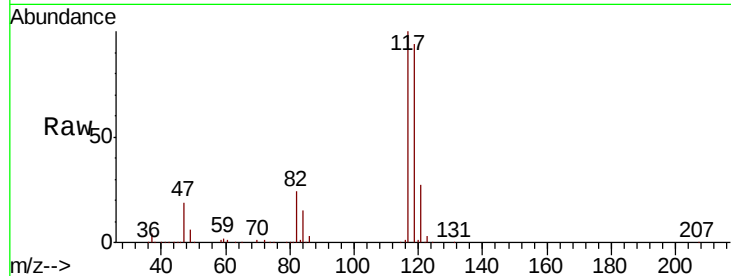
ClientSampled :

Tot Ion:117 Resp: 223105

Ion Ratio Lower Upper

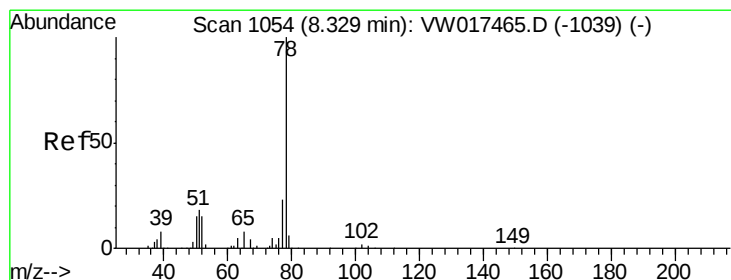
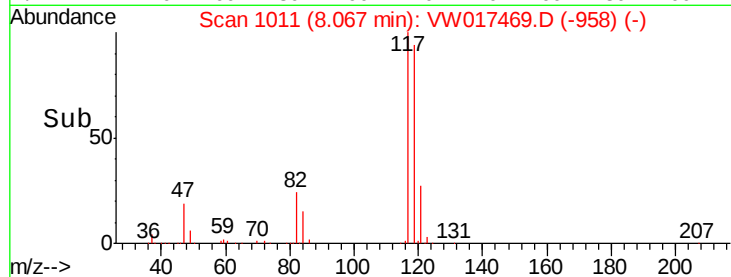
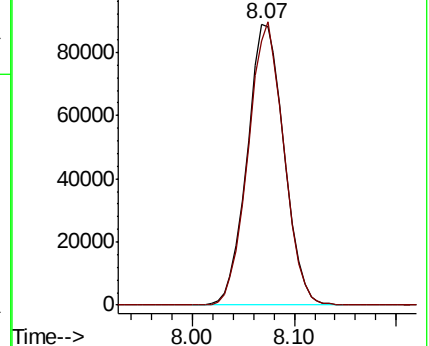
117 100

119 97.4 75.8 113.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 25.907 ug/L

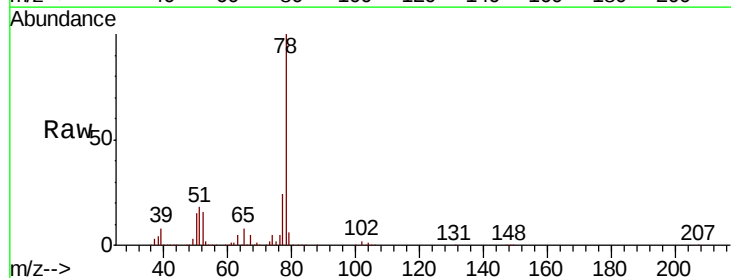
RT: 8.33 min Scan# 1054

Delta R.T. 0.00 min

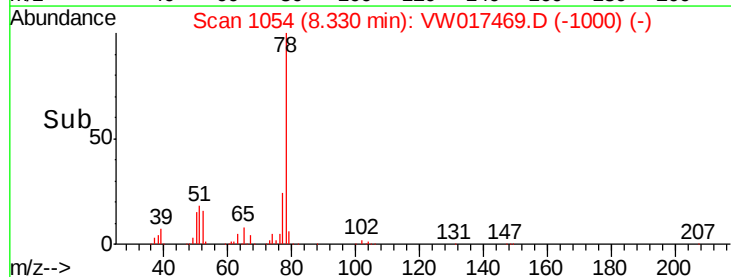
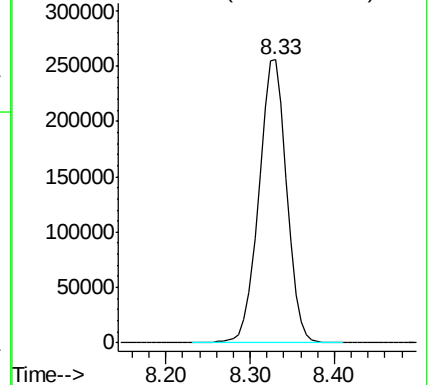
Lab File: VW017469.D

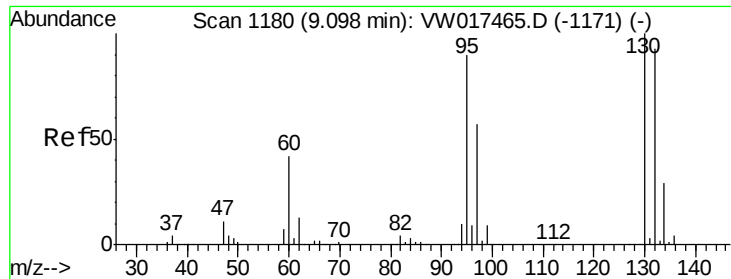
Acq: 24 Nov 2020 13:25

Tgt Ion: 78 Resp: 579687



Abundance Ion 78.00 (77.70 to 78.70): VW

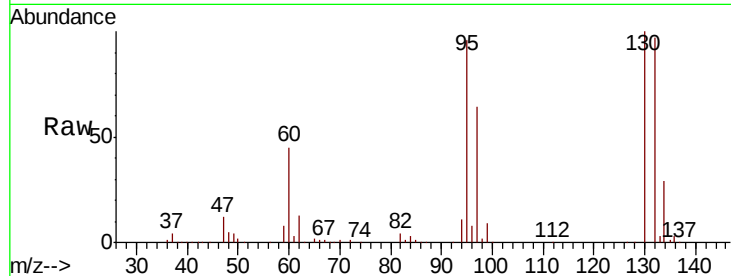




#35
 Trichloroethene
 Concen: 26.080 ug/L
 RT: 9.09 min Scan# 1179
 Delta R.T. -0.01 min
 Lab File: VW017469.D
 Acq: 24 Nov 2020 13:25

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
95	100		
97	63.7	45.0	83.6
132	100.2	71.0	131.8
130	104.3	75.6	140.4



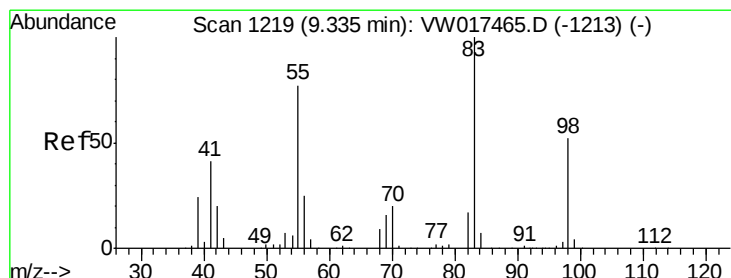
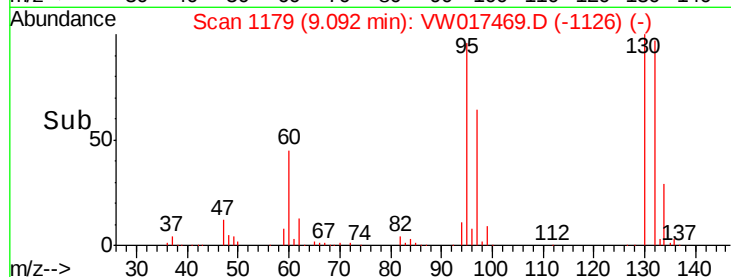
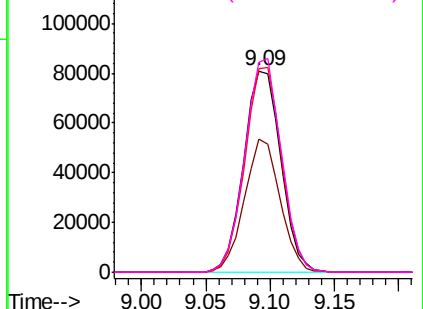
Abundance

Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

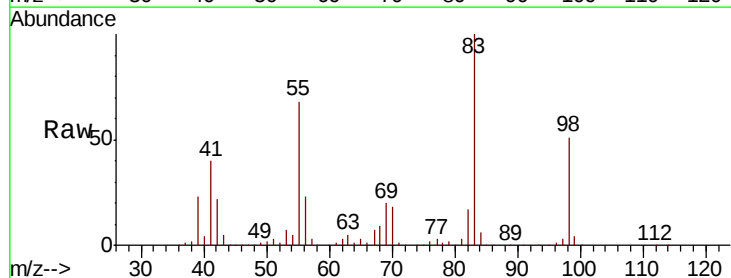
Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#36
 Methylcyclohexane
 Concen: 25.931 ug/L
 RT: 9.34 min Scan# 1220
 Delta R.T. 0.01 min
 Lab File: VW017469.D
 Acq: 24 Nov 2020 13:25

Tgt Ion	Ratio	Lower	Upper
83	100		
55	73.1	59.4	89.0
98	51.2	40.7	61.1

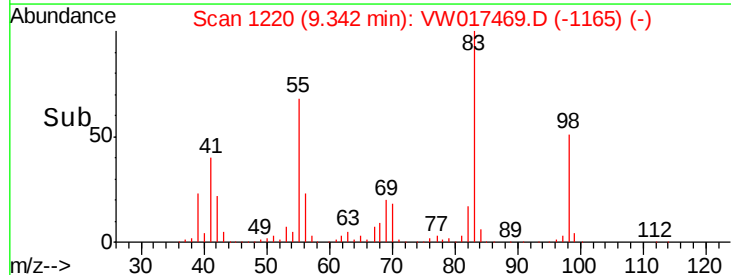
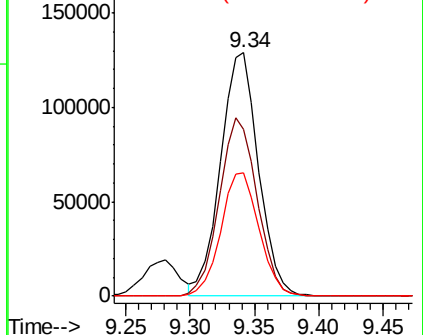


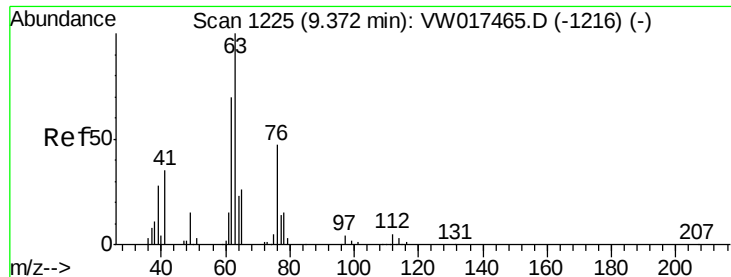
Abundance

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

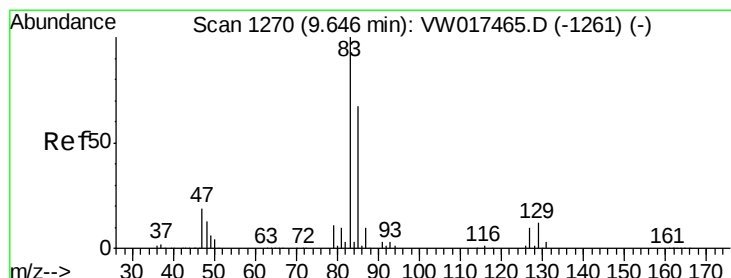
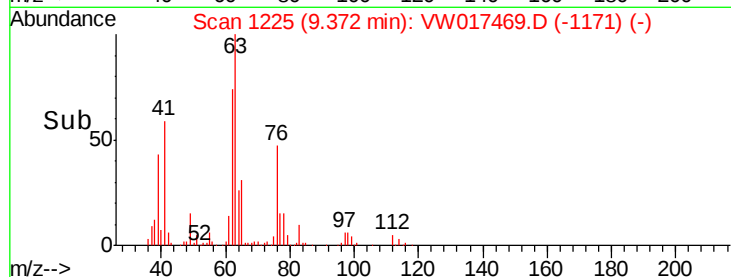
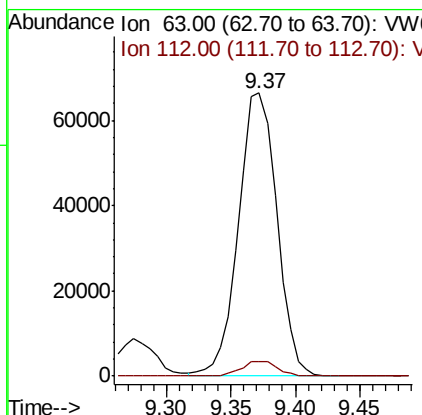
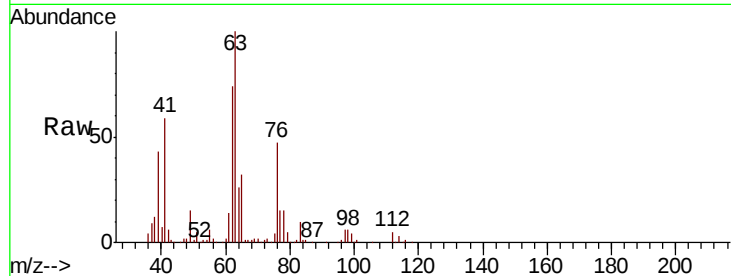




#40
 1,2-Dichloropropane
 Concen: 26.197 ug/L
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.00 min
 Lab File: VW017469.D
 Acq: 24 Nov 2020 13:25

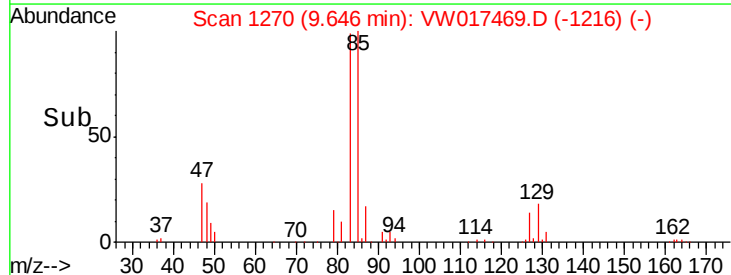
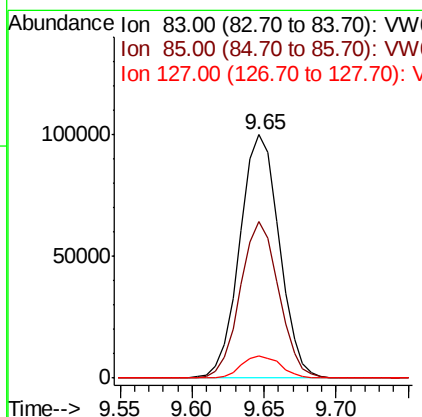
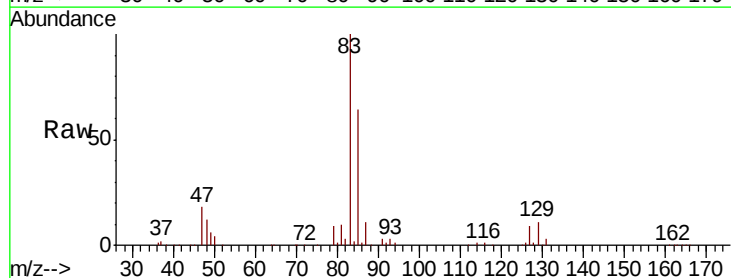
Instrument :
 MSVOA_W
 ClientSampled :

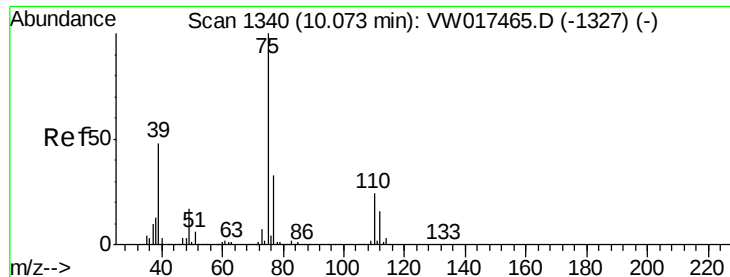
Tot Ion: 63 Resp: 137683
 Ion Ratio Lower Upper
 63 100
 112 5.1 4.2 6.4



#41
 Bromodichloromethane
 Concen: 26.285 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VW017469.D
 Acq: 24 Nov 2020 13:25

Tgt Ion: 83 Resp: 190873
 Ion Ratio Lower Upper
 83 100
 85 64.1 46.8 86.8
 127 8.9 7.6 11.4

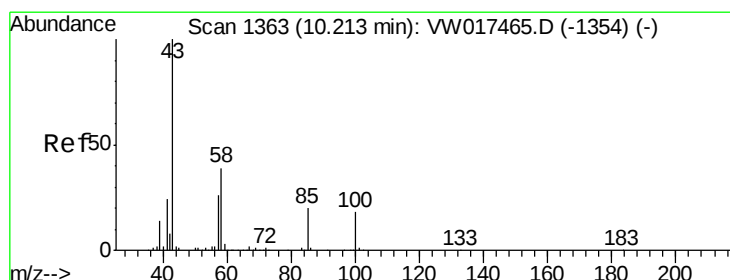
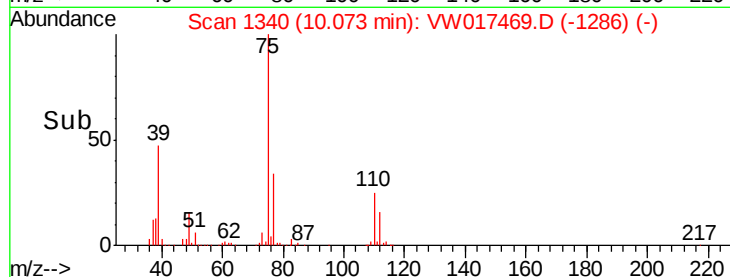
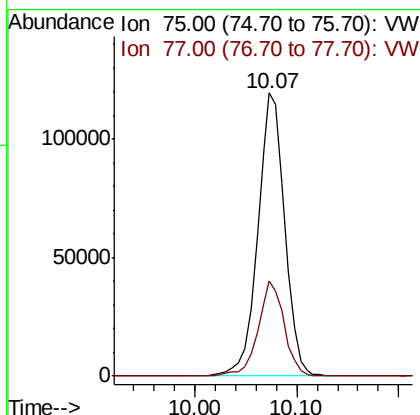
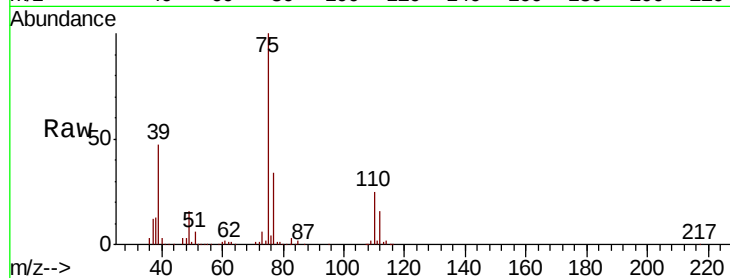




#42
 cis-1,3-Dichloropropene
 Concen: 26.941 ug/L
 RT: 10.07 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VW017469.D
 Acq: 24 Nov 2020 13:25

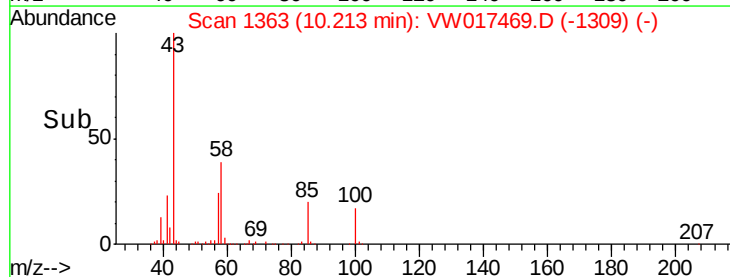
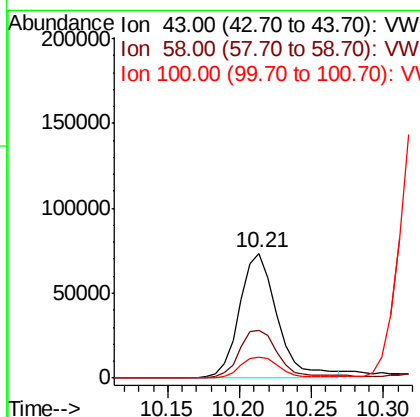
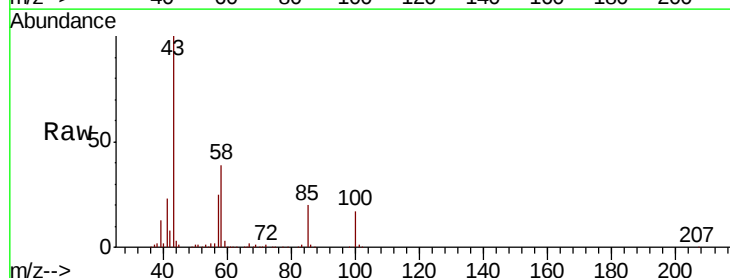
Instrument :
 MSVOA_W
 ClientSampled :

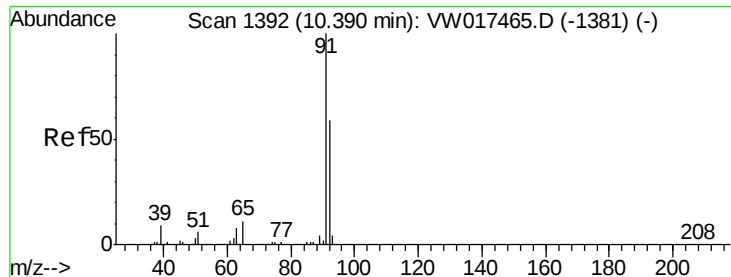
Tot Ion: 75 Resp: 219311
 Ion Ratio Lower Upper
 75 100
 77 33.8 22.7 42.3



#43
 4-Methyl-2-pentanone
 Concen: 55.867 ug/L
 RT: 10.21 min Scan# 1363
 Delta R.T. 0.00 min
 Lab File: VW017469.D
 Acq: 24 Nov 2020 13:25

Tgt Ion: 43 Resp: 135174
 Ion Ratio Lower Upper
 43 100
 58 40.9 31.6 47.4
 100 17.3 14.1 21.1





#44

Toluene

Concen: 25.947 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW017469.D

Acq: 24 Nov 2020 13:25

Instrument :

MSVOA_W

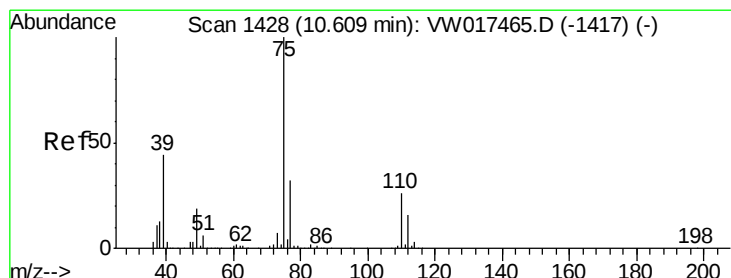
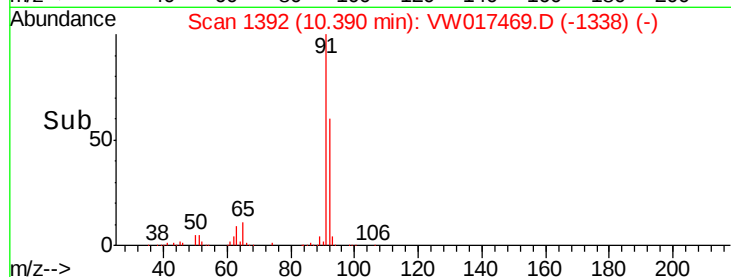
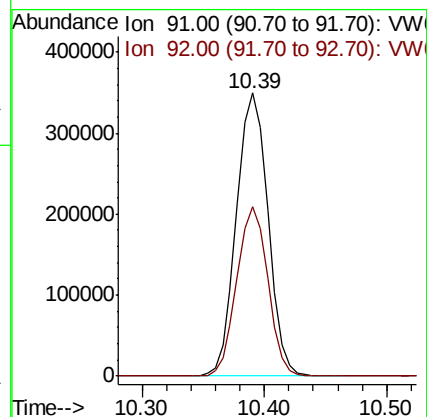
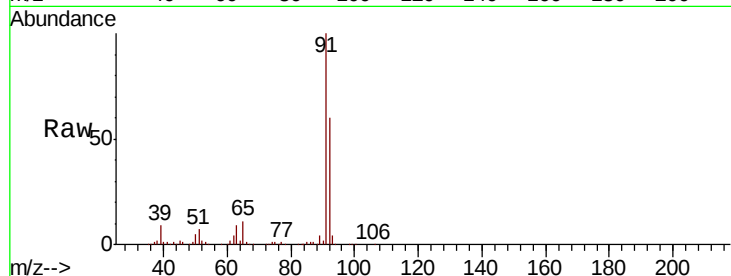
ClientSampleId :

Tot Ion: 91 Resp: 624747

Ion Ratio Lower Upper

91 100

92 60.1 41.6 77.3



#45

trans-1,3-Dichloropropene

Concen: 27.614 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW017469.D

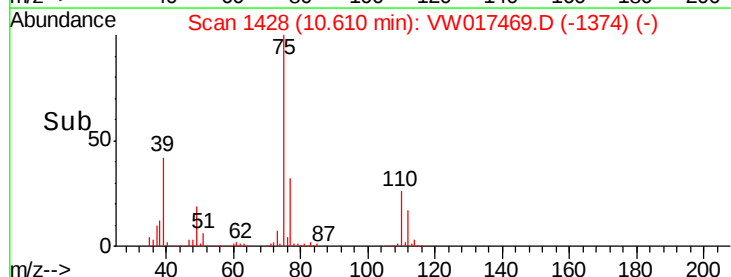
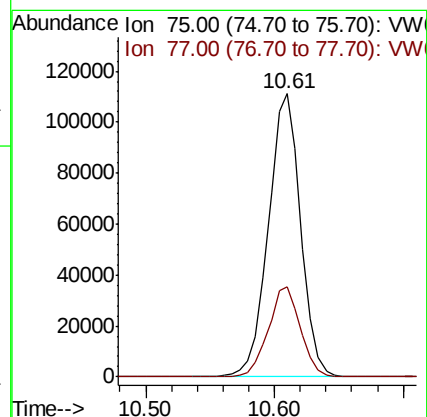
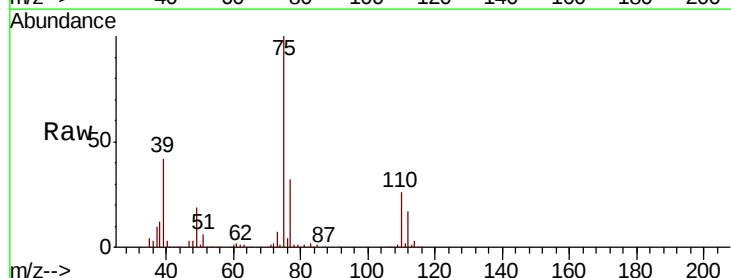
Acq: 24 Nov 2020 13:25

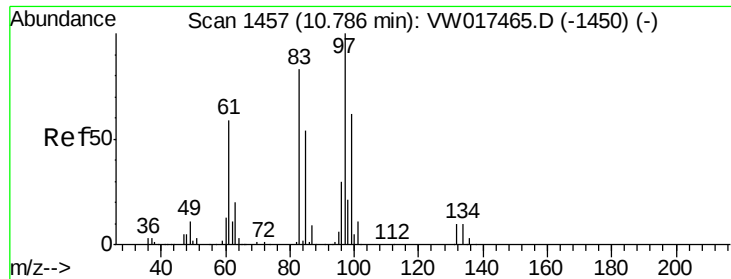
Tgt Ion: 75 Resp: 192632

Ion Ratio Lower Upper

75 100

77 31.8 22.6 42.0

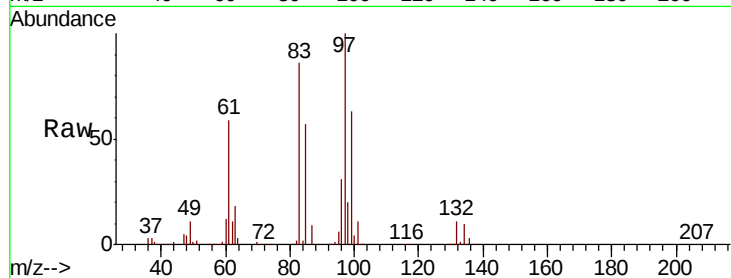




#46
1,1,2-Trichloroethane
Concen: 26.803 ug/L
RT: 10.79 min Scan# 1457
Delta R.T. 0.00 min
Lab File: VW017469.D
Acq: 24 Nov 2020 13:25

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion	97	Resp	105547
Ion	Ratio	Lower	Upper
97	100		
83	86.1	58.5	108.7
85	56.5	37.8	70.2
99	62.8	43.7	81.1



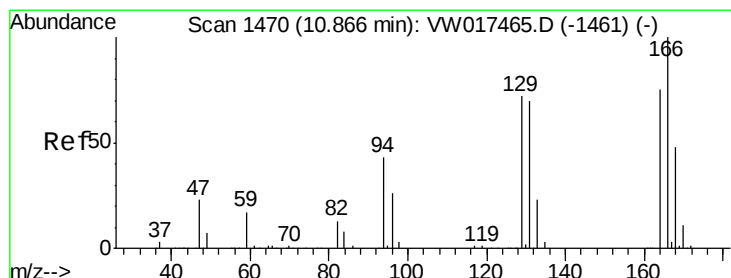
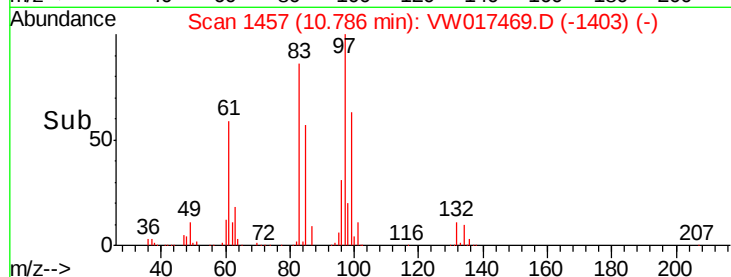
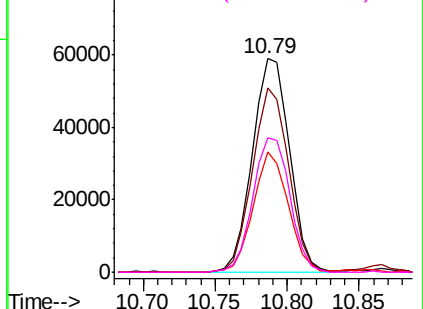
Abundance

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: 26.001 ug/L
RT: 10.87 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VW017469.D
Acq: 24 Nov 2020 13:25

Tgt Ion	164	Resp	137419
Ion	Ratio	Lower	Upper
164	100		
129	90.7	67.6	125.6
131	92.0	65.2	121.2
166	135.3	93.2	173.2

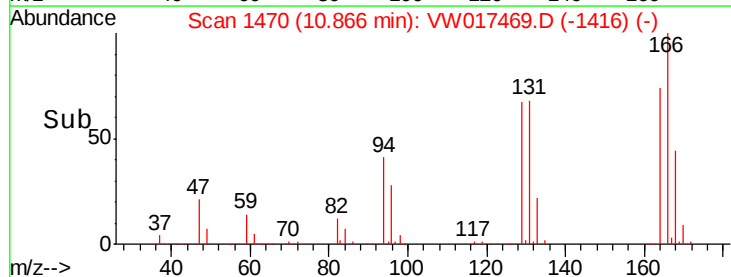
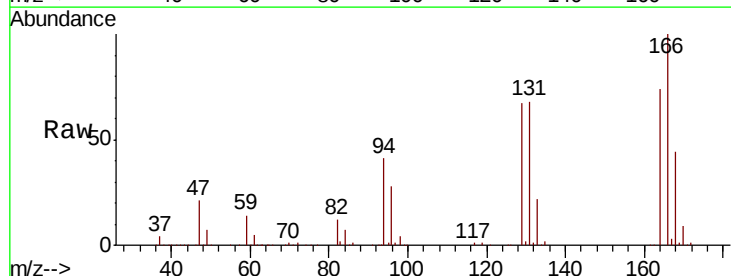
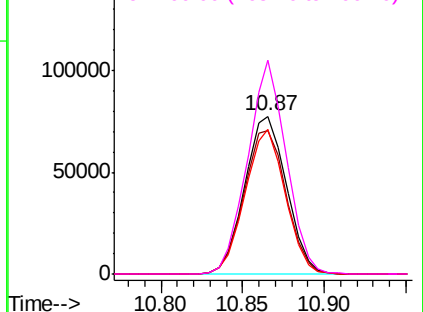
Abundance

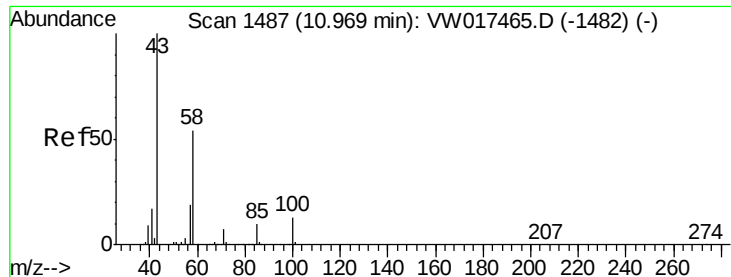
Ion 164.00 (163.70 to 164.70): V

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

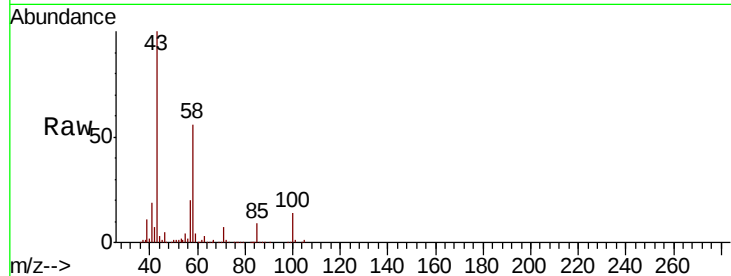




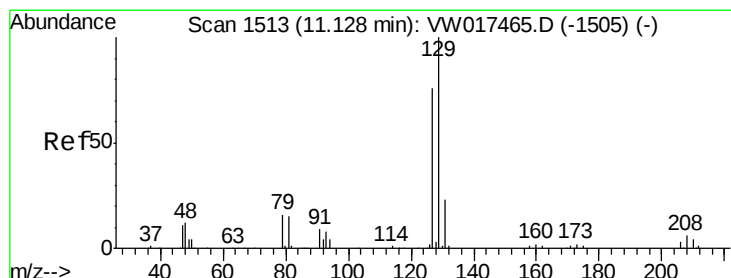
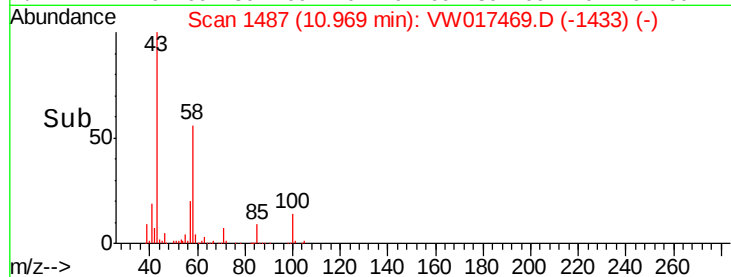
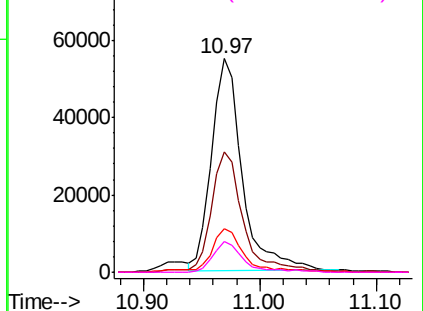
#49
2-Hexanone
Concen: 58.304 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW017469.D
Acq: 24 Nov 2020 13:25

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:	43	Resp:	99628
Ion	Ratio	Lower	Upper
43	100		
58	58.4	51.3	76.9
57	21.4	15.0	22.6
100	13.7	12.2	18.2

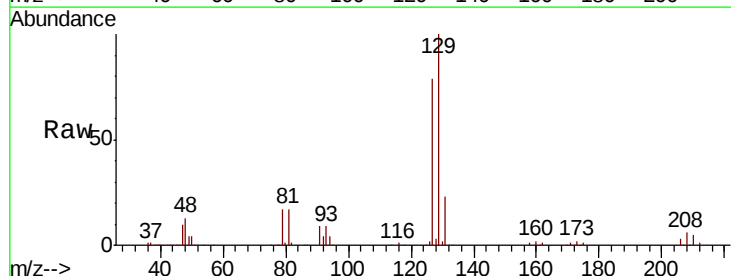


Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW
Ion 57.00 (56.70 to 57.70): VW
Ion 100.00 (99.70 to 100.70): VW

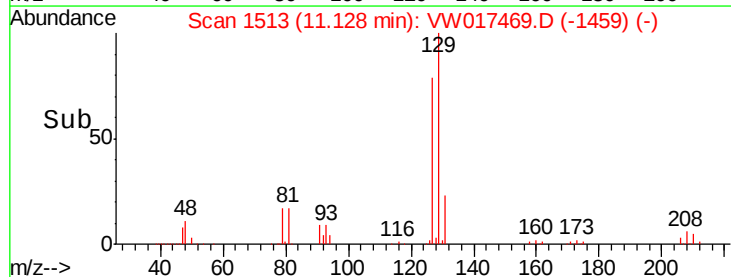
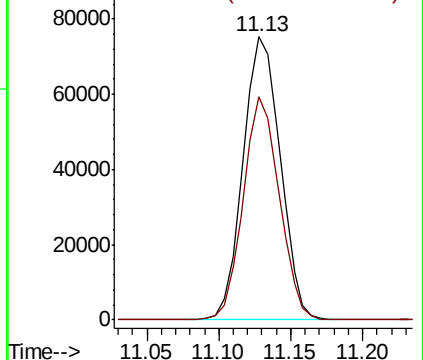


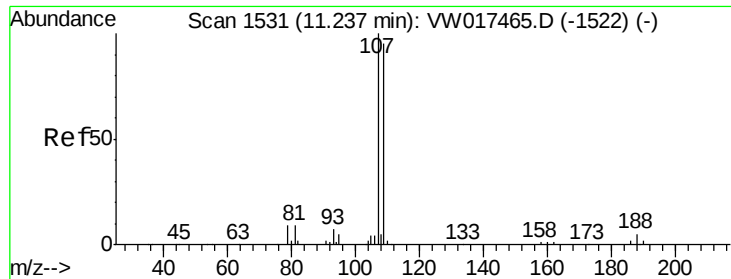
#50
Dibromochloromethane
Concen: 27.422 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW017469.D
Acq: 24 Nov 2020 13:25

Tgt Ion:	129	Resp:	134889
Ion	Ratio	Lower	Upper
129	100		
127	78.8	53.2	98.8



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

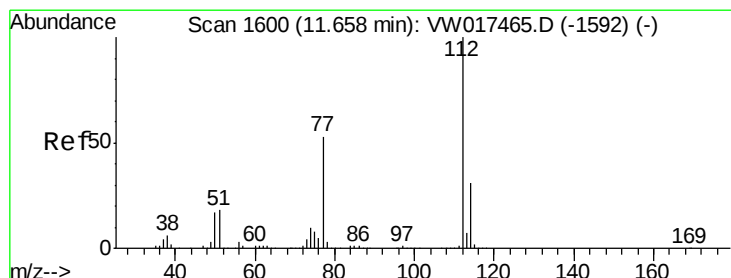
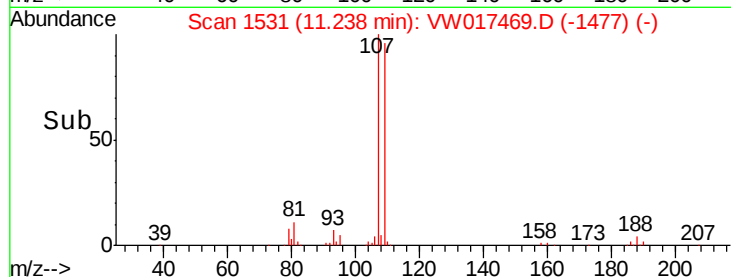
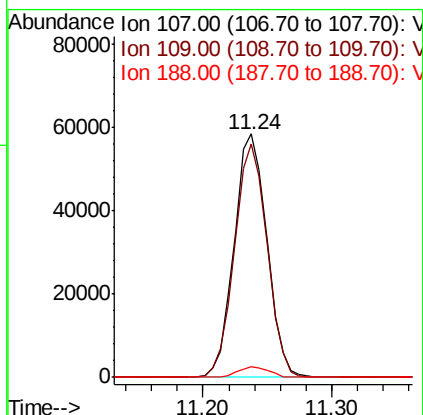
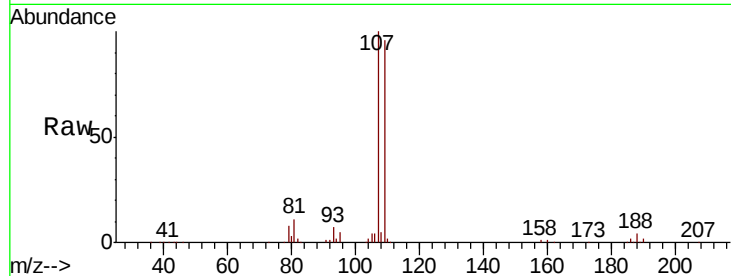




#51
 1,2-Dibromoethane
 Concen: 27.312 ug/L
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW017469.D
 Acq: 24 Nov 2020 13:25

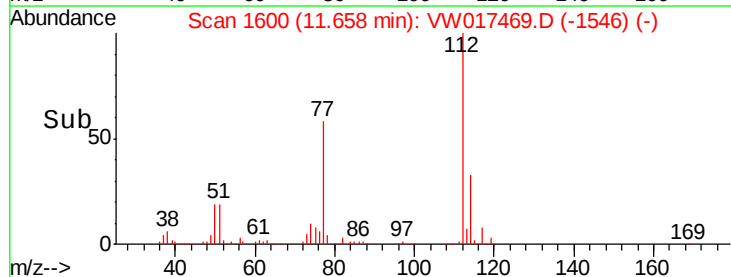
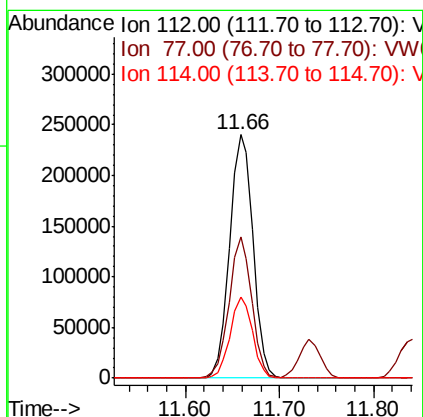
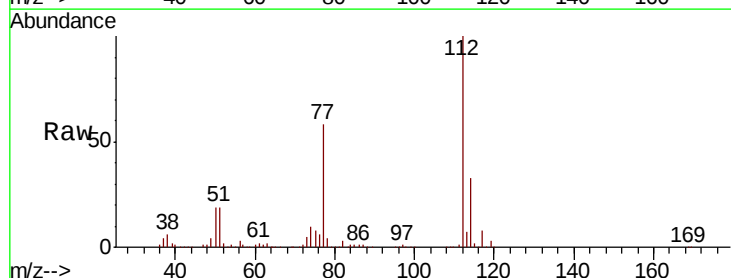
Instrument :
 MSVOA_W
 ClientSampleId :

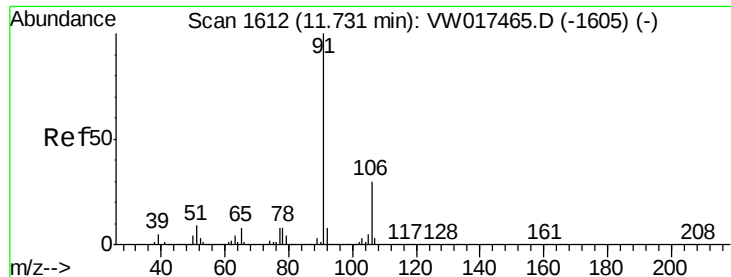
Tot Ion	Ratio	Lower	Upper
107	100		
109	95.7	66.4	123.2
188	4.3	4.0	6.0



#52
 Chlorobenzene
 Concen: 26.088 ug/L
 RT: 11.66 min Scan# 1600
 Delta R.T. 0.00 min
 Lab File: VW017469.D
 Acq: 24 Nov 2020 13:25

Tgt Ion	Ratio	Lower	Upper
112	100		
77	57.8	42.6	64.0
114	33.3	21.6	40.2

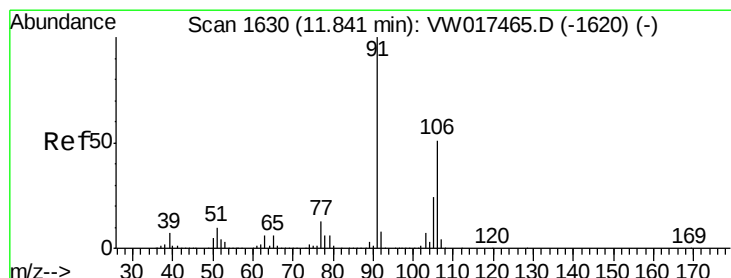
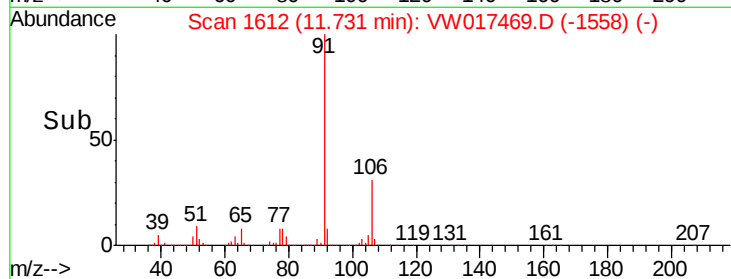
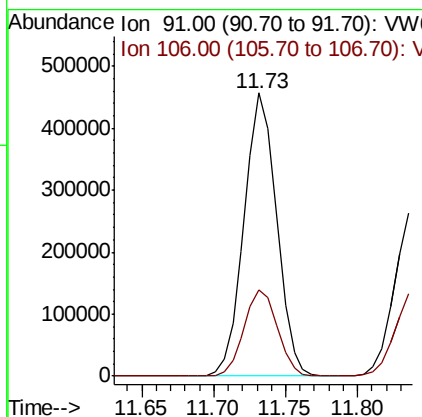
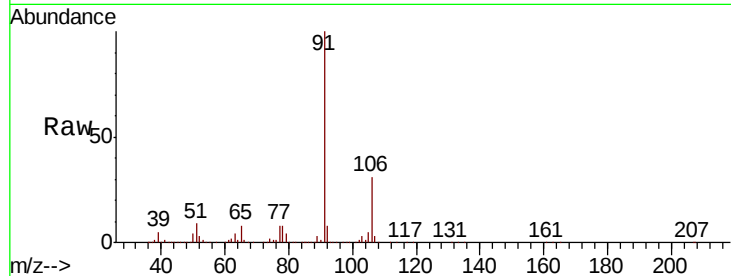




#53
Ethylbenzene
Concen: 26.223 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW017469.D
Acq: 24 Nov 2020 13:25

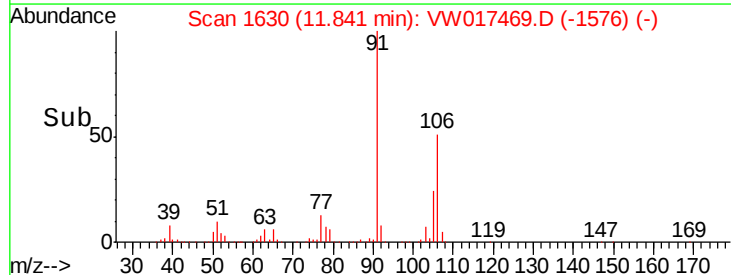
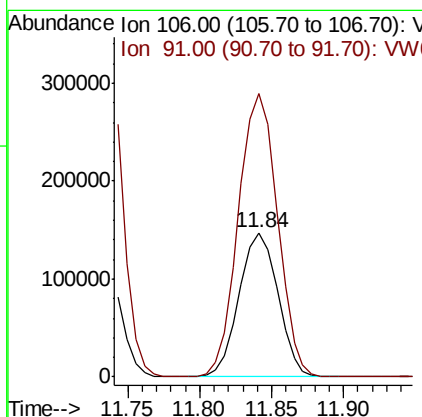
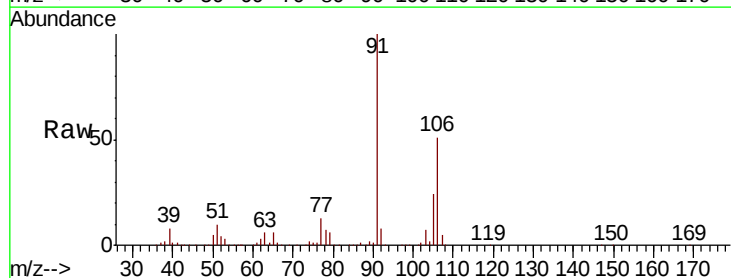
Instrument :
MSVOA_W
ClientSampled :

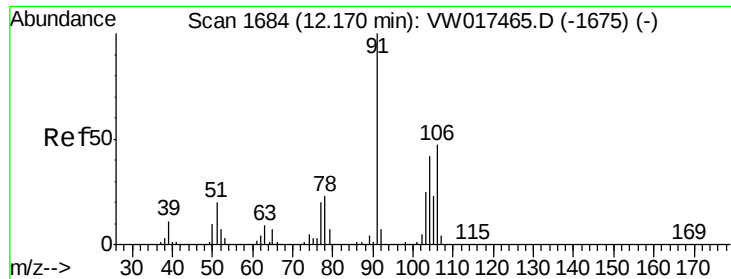
Tot Ion: 91 Resp: 715897
Ion Ratio Lower Upper
91 100
106 30.6 21.1 39.1



#54
m,p-Xylene
Concen: 26.598 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW017469.D
Acq: 24 Nov 2020 13:25

Tgt Ion: 106 Resp: 277038
Ion Ratio Lower Upper
106 100
91 196.4 136.4 253.4

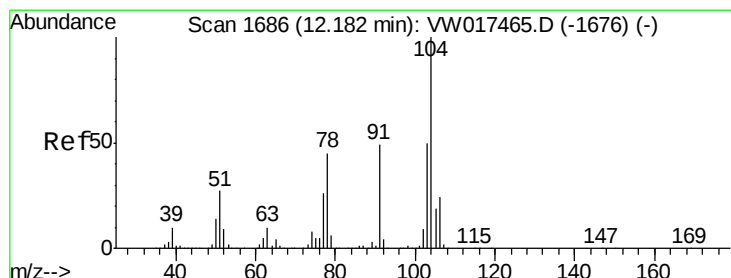
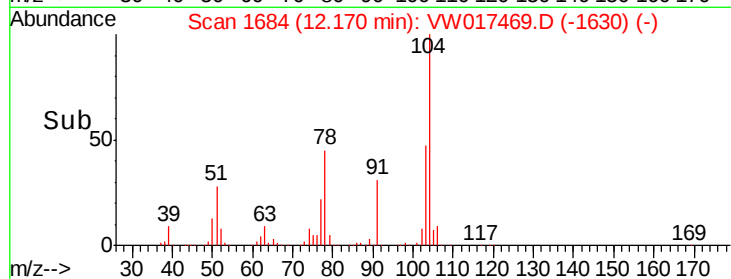
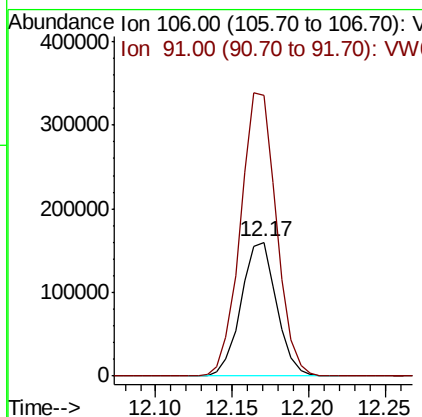
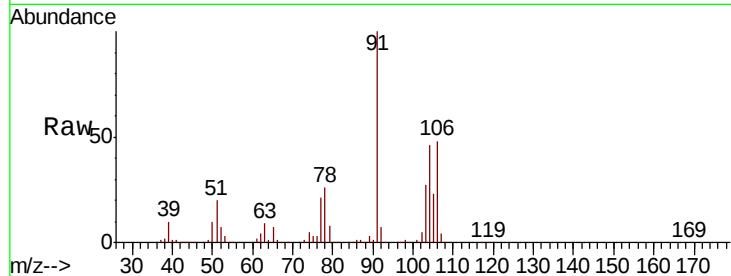




#55
o-xylene
Concen: 26.526 ug/L
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW017469.D
Acq: 24 Nov 2020 13:25

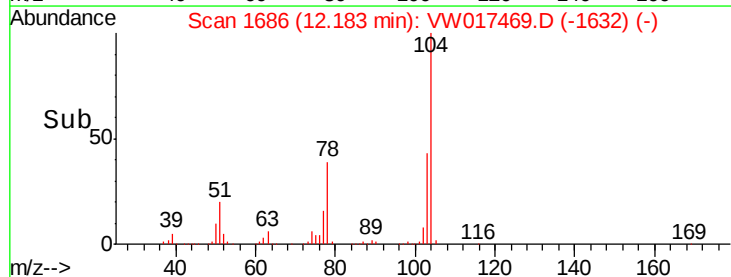
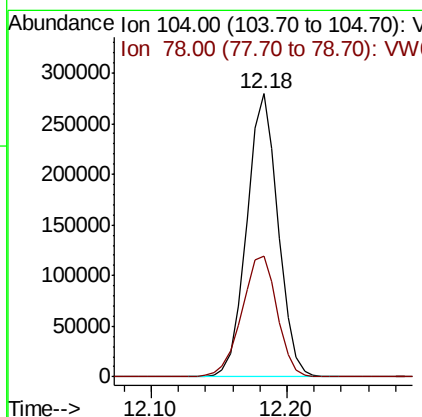
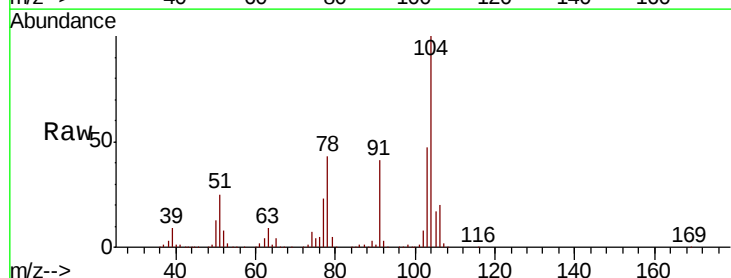
Instrument :
MSVOA_W
ClientSampled :

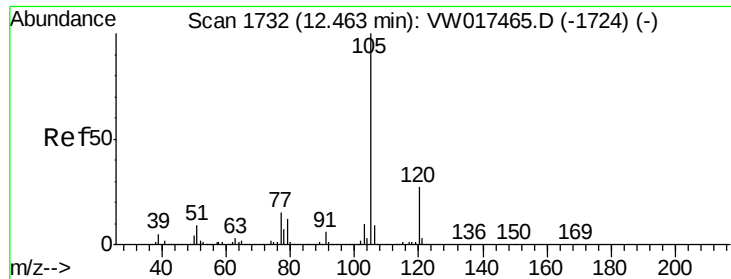
Tot Ion:106 Resp: 257329
Ion Ratio Lower Upper
106 100
91 209.1 147.6 274.2



#56
Styrene
Concen: 27.616 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW017469.D
Acq: 24 Nov 2020 13:25

Tgt Ion:104 Resp: 450698
Ion Ratio Lower Upper
104 100
78 42.7 31.3 58.1





#57

Isopropylbenzene

Concen: 26.751 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW017469.D

Acq: 24 Nov 2020 13:25

Instrument :

MSVOA_W

ClientSampleId :

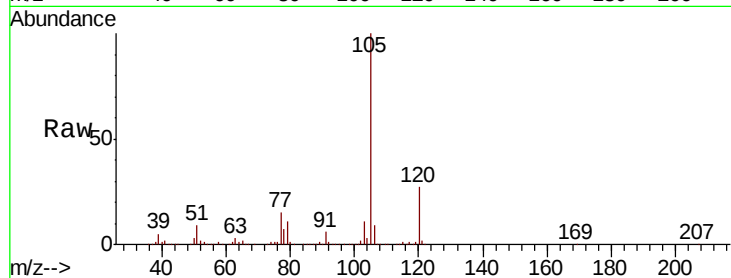
Tot Ion:105 Resp: 712813

Ion Ratio Lower Upper

105 100

120 27.1 21.4 32.2

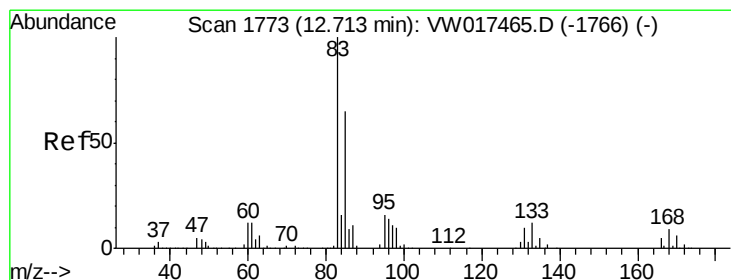
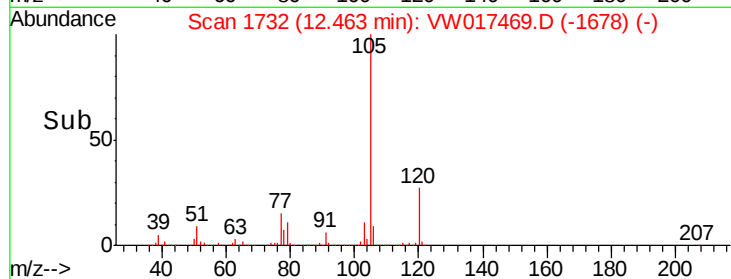
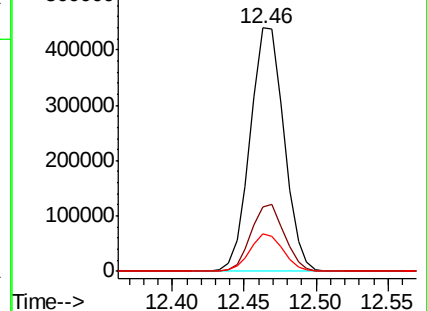
77 15.1 12.1 18.1



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: 28.153 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW017469.D

Acq: 24 Nov 2020 13:25

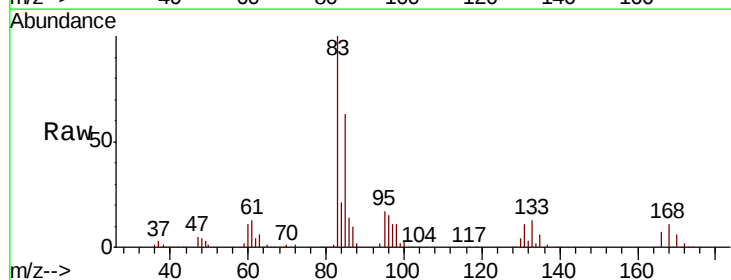
Tgt Ion: 83 Resp: 119325

Ion Ratio Lower Upper

83 100

85 63.4 45.3 84.1

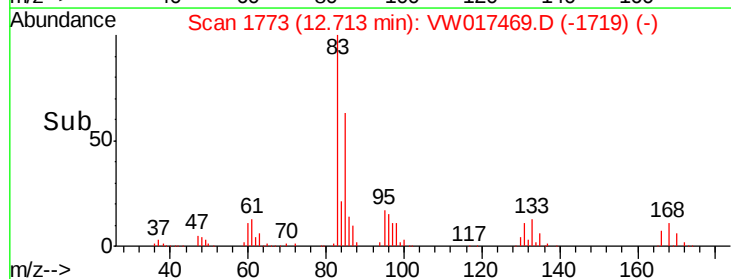
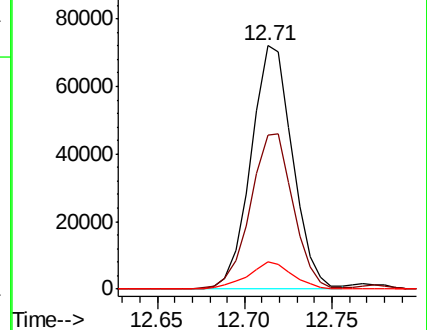
131 11.2 8.3 12.5

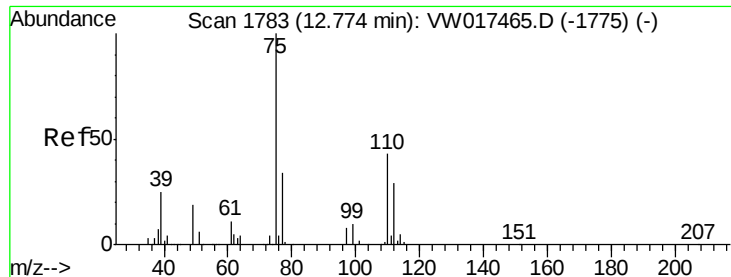


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 27.667 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. -0.01 min

Lab File: VW017469.D

Acq: 24 Nov 2020 13:25

Instrument :

MSVOA_W

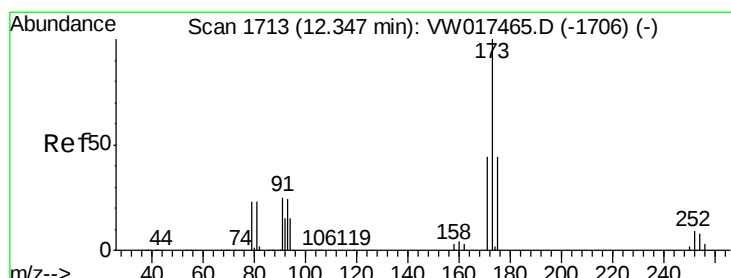
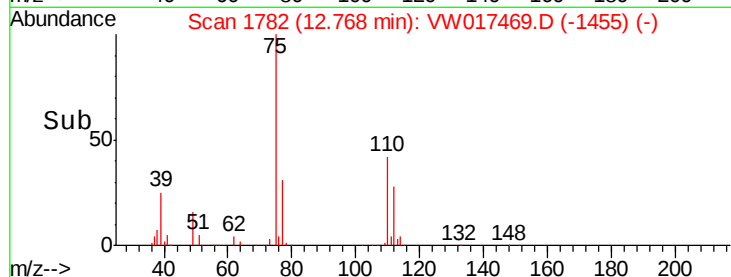
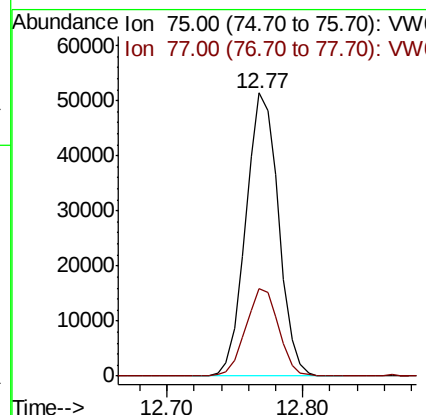
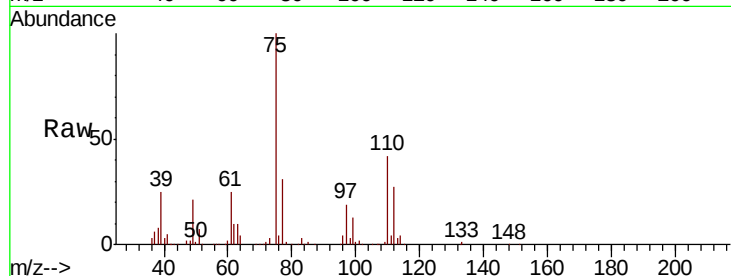
ClientSampled :

Tot Ion: 75 Resp: 86553

Ion Ratio Lower Upper

75 100

77 31.2 26.6 39.8



#62

Bromoform

Concen: 27.173 ug/L

RT: 12.35 min Scan# 1714

Delta R.T. 0.01 min

Lab File: VW017469.D

Acq: 24 Nov 2020 13:25

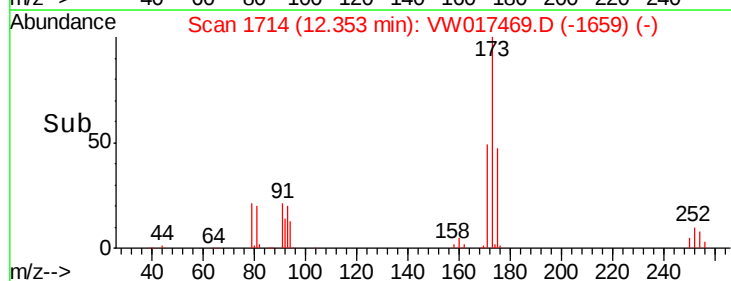
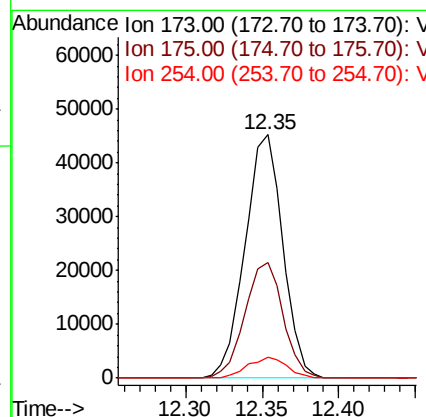
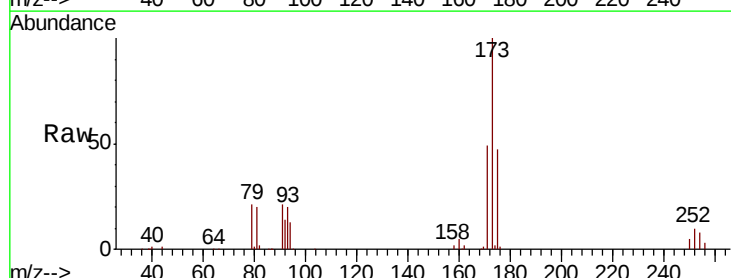
Tgt Ion: 173 Resp: 77646

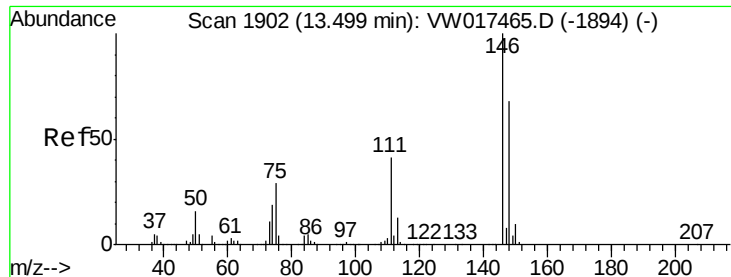
Ion Ratio Lower Upper

173 100

175 48.0 39.1 58.7

254 9.0 7.1 10.7

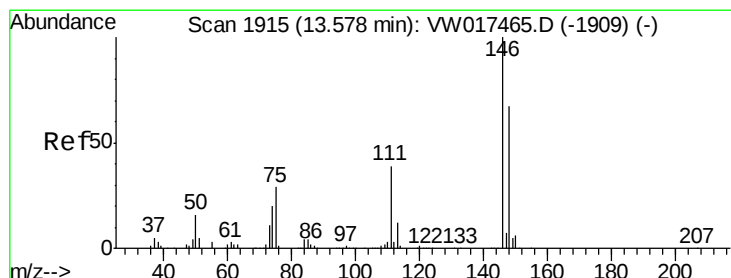
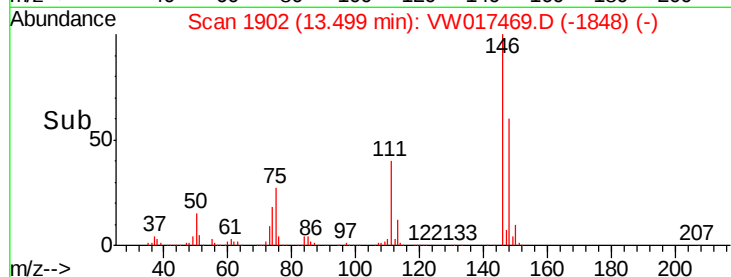
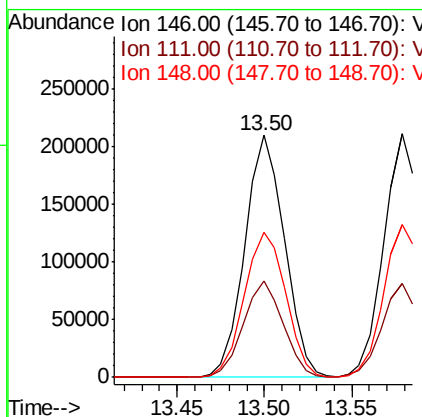
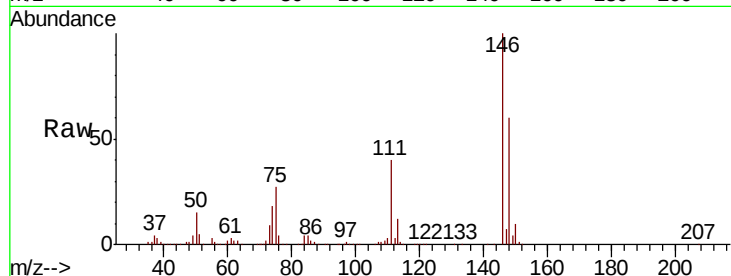




#63
 1,3-Dichlorobenzene
 Concen: 25.475 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW017469.D
 Acq: 24 Nov 2020 13:25

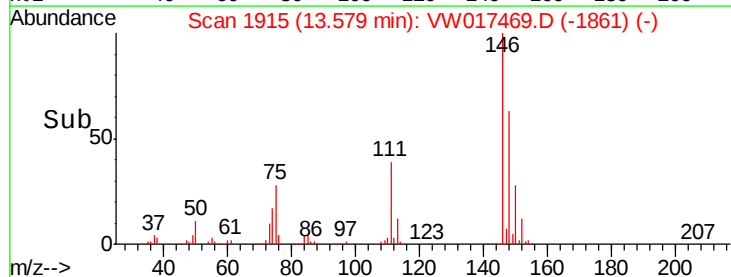
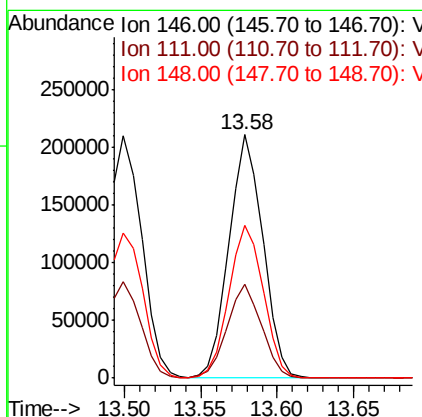
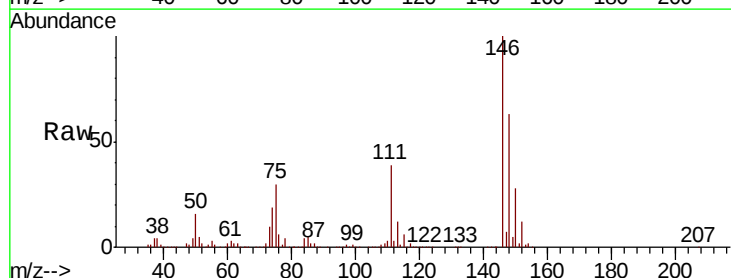
Instrument :
 MSVOA_W
 ClientSampleId :

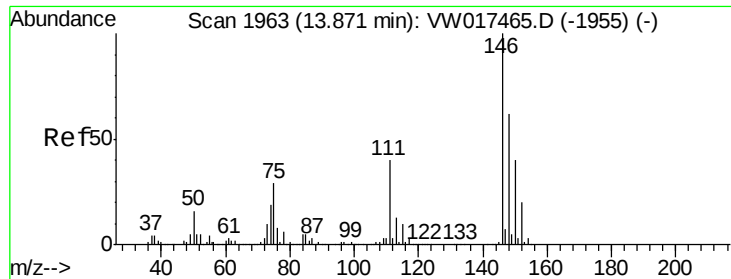
Tot Ion:146 Resp: 331104
 Ion Ratio Lower Upper
 146 100
 111 40.0 28.5 52.9
 148 59.8 47.8 88.8



#64
 1,4-Dichlorobenzene
 Concen: 25.234 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW017469.D
 Acq: 24 Nov 2020 13:25

Tgt Ion:146 Resp: 324910
 Ion Ratio Lower Upper
 146 100
 111 38.8 27.7 51.5
 148 62.7 47.0 87.2





#65

1,2-Dichlorobenzene

Concen: 25.582 ug/L

RT: 13.87 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VW017469.D

Acq: 24 Nov 2020 13:25

Instrument :

MSVOA_W

ClientSampleId :

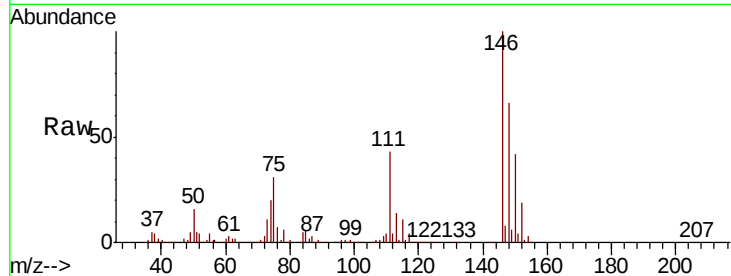
Tot Ion:146 Resp: 289602

Ion Ratio Lower Upper

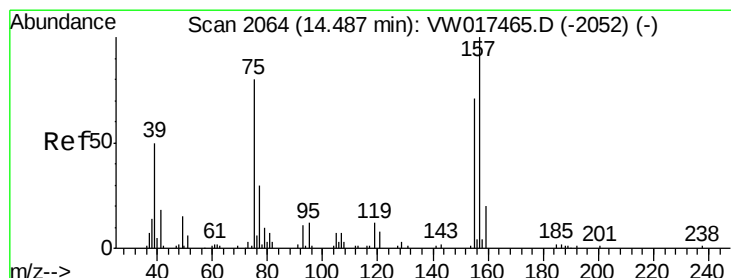
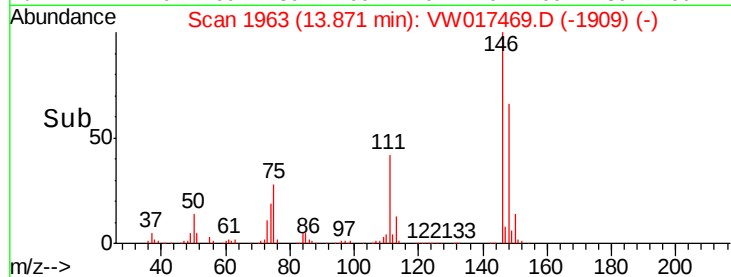
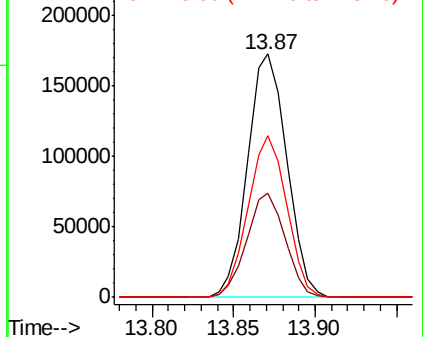
146 100

111 42.7 31.7 47.5

148 66.4 49.3 73.9



Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 26.137 ug/L

RT: 14.49 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VW017469.D

Acq: 24 Nov 2020 13:25

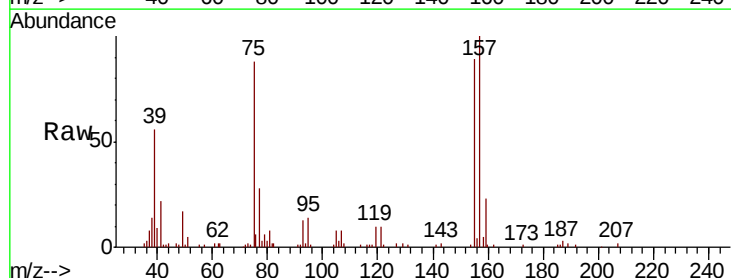
Tgt Ion: 75 Resp: 19050

Ion Ratio Lower Upper

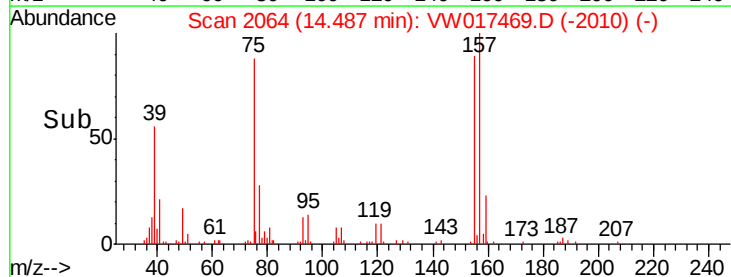
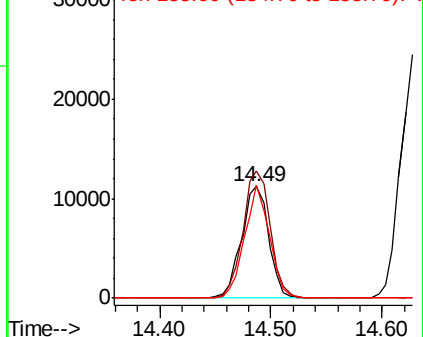
75 100

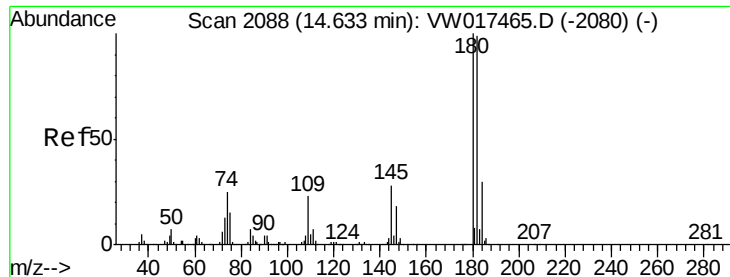
157 114.2 99.9 149.9

155 101.1 71.4 107.0



Abundance Ion 75.00 (74.70 to 75.70): VW
Ion 157.00 (156.70 to 157.70): V
Ion 155.00 (154.70 to 155.70): V

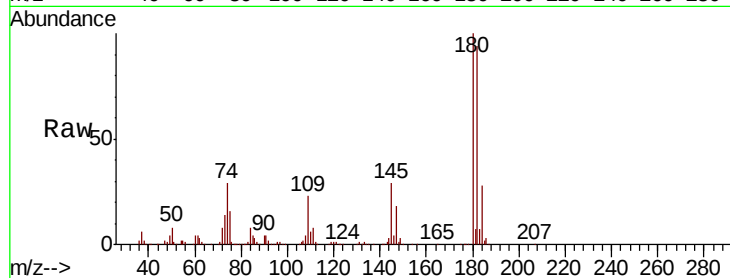




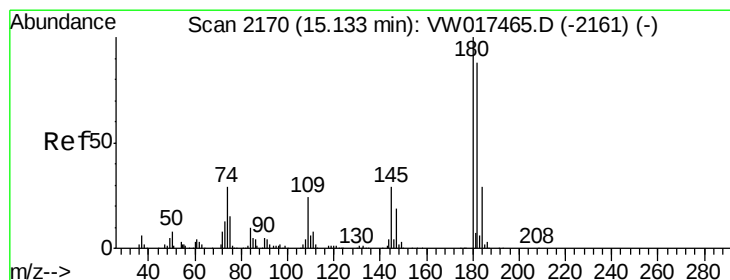
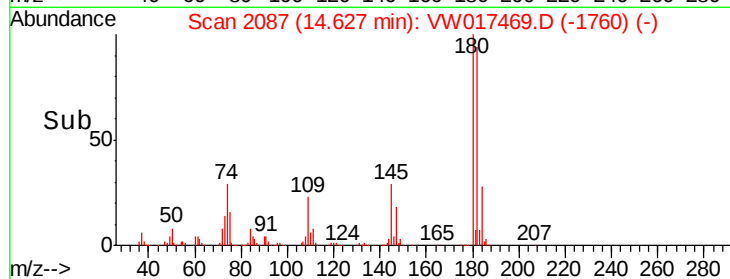
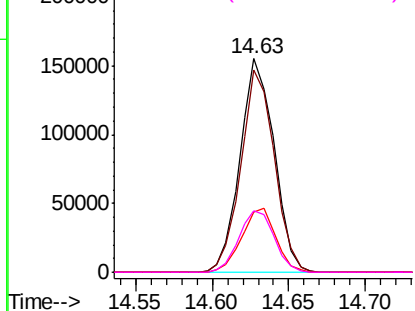
#67
 1,3,5-Trichlorobenzene
 Concen: 25.880 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. -0.01 min
 Lab File: VW017469.D
 Acq: 24 Nov 2020 13:25

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:	180	Resp:	240960
Ion	Ratio	Lower	Upper
180	100		
182	93.3	77.0	115.6
184	29.9	24.2	36.4
145	29.8	23.5	35.3

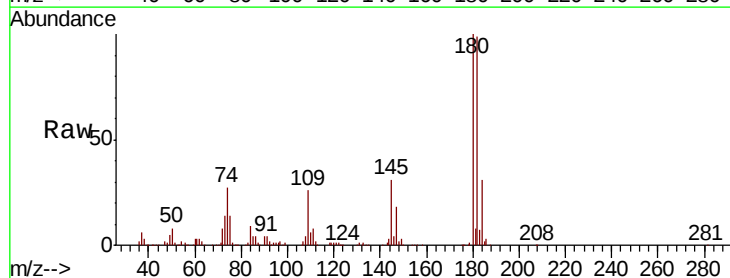


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

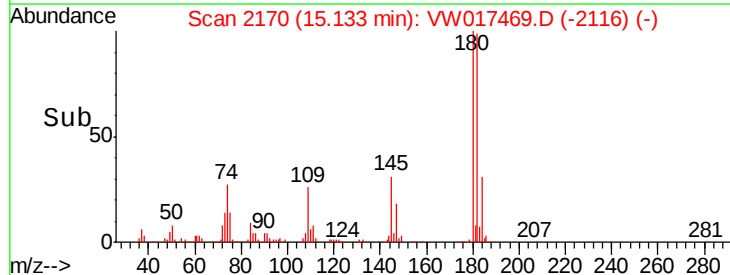
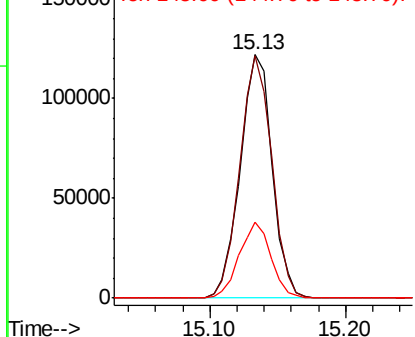


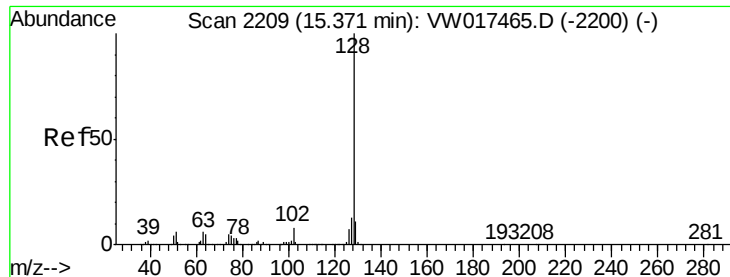
#68
 1,2,4-trichlorobenzene
 Concen: 26.702 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW017469.D
 Acq: 24 Nov 2020 13:25

Tgt Ion:	180	Resp:	200985
Ion	Ratio	Lower	Upper
180	100		
182	99.2	71.3	106.9
145	30.7	24.0	36.0



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: 29.382 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. -0.01 min

Lab File: VW017469.D

Acq: 24 Nov 2020 13:25

Instrument :

MSVOA_W

ClientSampled :

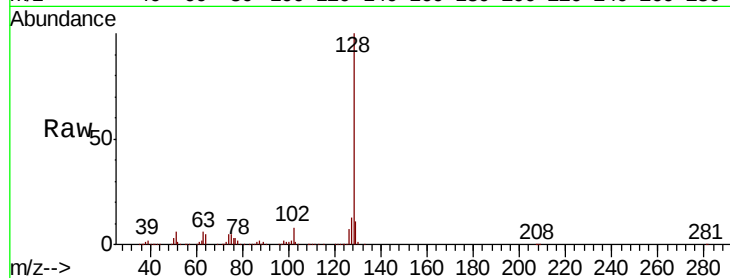
Tot Ion:128 Resp: 341483

Ion Ratio Lower Upper

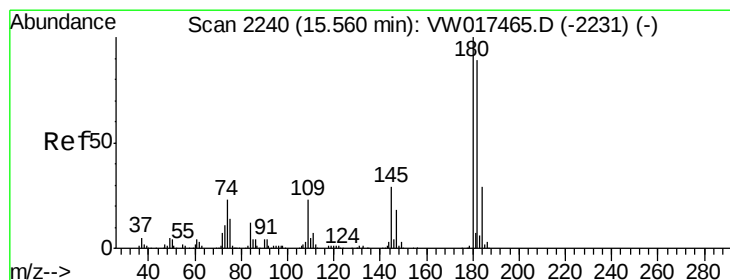
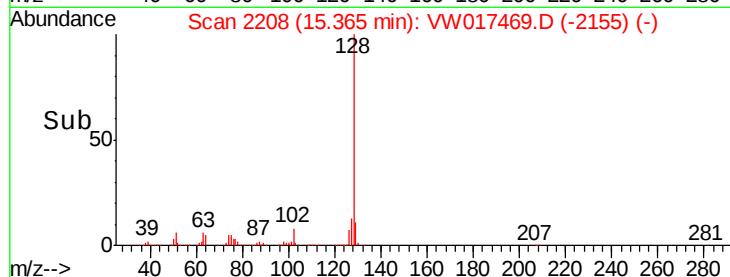
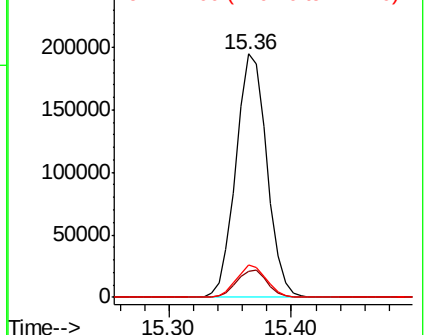
128 100

129 11.2 8.7 13.1

127 12.9 10.7 16.1



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: 28.096 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. 0.00 min

Lab File: VW017469.D

Acq: 24 Nov 2020 13:25

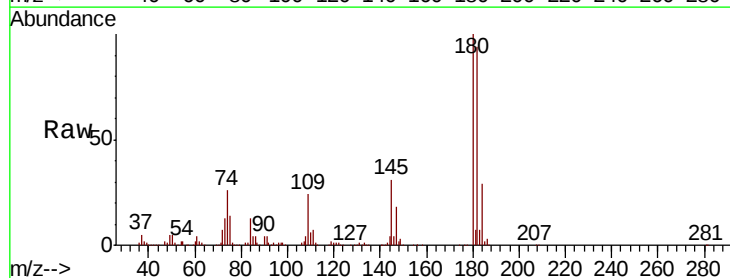
Tgt Ion:180 Resp: 176395

Ion Ratio Lower Upper

180 100

182 96.5 74.7 112.1

145 32.5 25.4 38.0



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

