

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW052620\
 Data File : VW015469.D
 Acq On : 26 May 2020 13:03
 Operator : SY/VA
 Sample : VSTDICV025
 Misc : 5.00G/10.0mL/MSVOA W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: May 27 01:00:10 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM052620S.M
 Quant Title : VOC Analysis
 QLast Update : Wed May 27 00:58:16 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	367383	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	333319	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	161898	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	80723	23.98	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	95.92%
7) Chloroethane-d5	2.90	69	81790	24.43	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	97.72%
10) 1,1-Dichloroethene-d2	4.02	63	199549	24.33	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	97.32%
20) 2-Butanone-d5	7.08	46	58120	52.88	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	105.76%
24) Chloroform-d	7.65	84	202890	23.88	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	95.52%
26) 1,2-Dichloroethane-d4	8.31	65	113149	23.94	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	95.76%
29) Benzene-d6	8.27	84	386642	23.65	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	94.60%
33) 1,2-Dichloropropane-d6	9.27	67	119534	24.06	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	96.24%
37) Toluene-d8	10.32	98	366915	23.09	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	92.36%
38) trans-1,3-Dichloropropene-	10.58	79	55531	24.16	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	96.64%
39) 2-Hexanone-d5	10.93	63	46893	54.53	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	109.06%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	96365	25.76	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	103.04%
61) 1,2-Dichlorobenzene-d4	13.85	152	131390	24.22	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	96.88%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.01	85	94051	28.978	ug/L 99
3) Chloromethane	2.21	50	91073	25.490	ug/L 99
5) Vinyl chloride	2.37	62	140897	26.223	ug/L 98
6) Bromomethane	2.79	94	88592	25.368	ug/L 98
8) Chloroethane	2.93	64	85863	26.252	ug/L 98
9) Trichlorofluoromethane	3.26	101	104146	27.237	ug/L 96
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	114903	25.337	ug/L 99
12) 1,1-Dichloroethene	4.04	96	114633	26.168	ug/L 87
13) Acetone	4.12	43	53249	62.665	ug/L 98
14) Carbon disulfide	4.38	76	381291	26.090	ug/L 100
15) Methyl Acetate	4.67	43	50029	27.213	ug/L 98
16) Methylene chloride	4.91	84	115402	25.594	ug/L 98
17) Methyl tert-butyl Ether	5.42	73	183028	26.328	ug/L 100
18) trans-1,2-Dichloroethene	5.43	96	121232	25.823	ug/L 97
19) 1,1-Dichloroethane	6.21	63	216881	25.684	ug/L 98
21) 2-Butanone	7.17	43	71671	54.905	ug/L 100
22) cis-1,2-Dichloroethene	7.17	96	125280	25.581	ug/L 99

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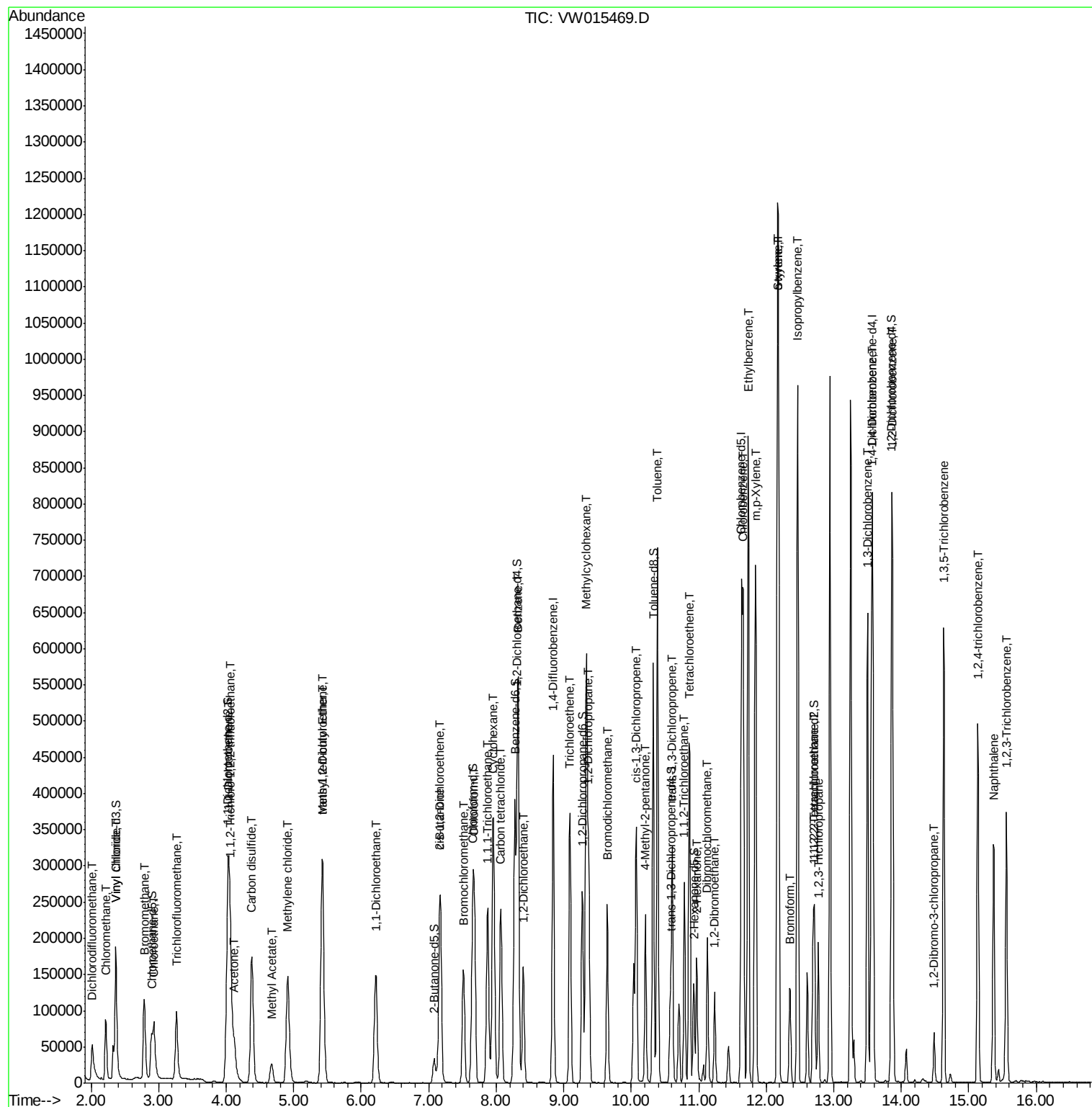
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	54479	25.797	ug/L	98
25) Chloroform	7.68	83	215846	25.386	ug/L	99
27) 1,2-Dichloroethane	8.40	62	150633	26.188	ug/L	99
30) Cyclohexane	7.95	56	215676	26.176	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	194310	26.058	ug/L	100
32) Carbon tetrachloride	8.07	117	176690	25.834	ug/L	99
34) Benzene	8.32	78	484330	25.983	ug/L	100
35) Trichloroethene	9.09	95	130242	26.012	ug/L	98
36) Methylcyclohexane	9.34	83	232814	26.071	ug/L	99
40) 1,2-Dichloropropane	9.37	63	117549	25.608	ug/L	99
41) Bromodichloromethane	9.65	83	157525	25.687	ug/L	100
42) cis-1,3-Dichloropropene	10.07	75	191356	26.050	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	149403	55.524	ug/L	100
44) Toluene	10.39	91	530997	26.147	ug/L	98
45) trans-1,3-Dichloropropene	10.61	75	170303	26.641	ug/L	100
46) 1,1,2-Trichloroethane	10.79	97	83788	26.091	ug/L	96
47) Tetrachloroethene	10.87	164	103853	26.166	ug/L	93
49) 2-Hexanone	10.97	43	106141	58.440	ug/L	99
50) Dibromochloromethane	11.13	129	101792	26.089	ug/L	97
51) 1,2-Dibromoethane	11.24	107	82538	26.771	ug/L	98
52) Chlorobenzene	11.66	112	327487	25.709	ug/L	99
53) Ethylbenzene	11.73	91	606048	25.989	ug/L	100
54) m,p-Xylene	11.84	106	227234	25.969	ug/L	100
55) o-xylene	12.16	106	215560	25.953	ug/L	97
56) Styrene	12.18	104	370690	26.119	ug/L	99
57) Isopropylbenzene	12.46	105	608561	26.302	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	101648	27.340	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	75920	26.931	ug/L	99
62) Bromoform	12.35	173	58770	26.053	ug/L	98
63) 1,3-Dichlorobenzene	13.50	146	253960	25.635	ug/L	97
64) 1,4-Dichlorobenzene	13.58	146	249348	25.687	ug/L	97
65) 1,2-Dichlorobenzene	13.87	146	227363	26.410	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.49	75	17703	27.107	ug/L	97
67) 1,3,5-Trichlorobenzene	14.63	180	182520	26.611	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	148448	26.873	ug/L	99
69) Naphthalene	15.37	128	282273	28.141	ug/L	100
70) 1,2,3-Trichlorobenzene	15.56	180	129367	27.527	ug/L	99

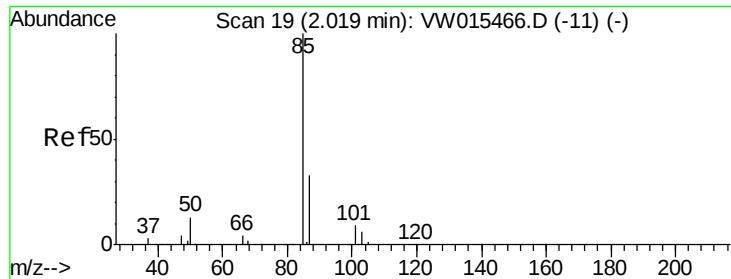
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 28.978 ug/L

RT: 2.01 min Scan# 18

Delta R.T. -0.01 min

Lab File: VW015469.D

Acq: 26 May 2020 13:03

Instrument :

MSVOA_W

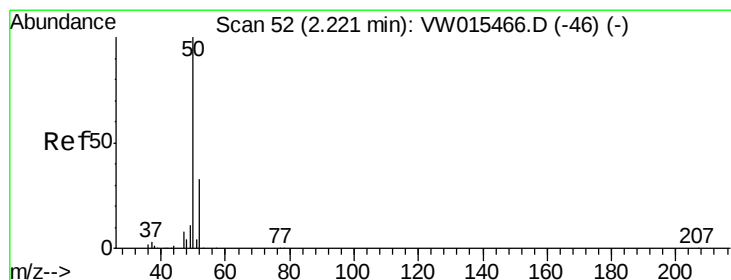
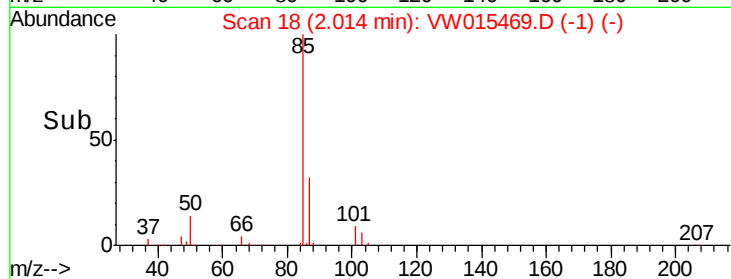
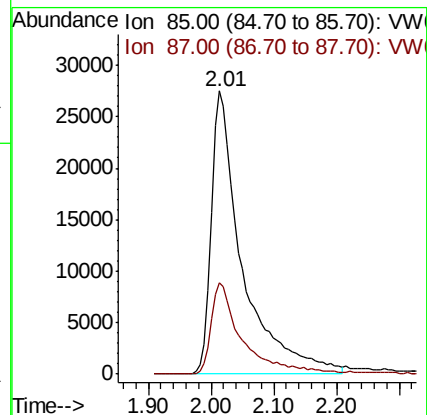
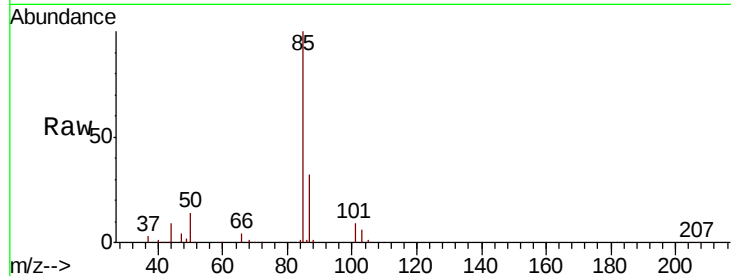
ClientSampled :

Tot Ion: 85 Resp: 94051

Ion Ratio Lower Upper

85 100

87 30.7 21.1 39.1



#3

Chloromethane

Concen: 25.490 ug/L

RT: 2.21 min Scan# 51

Delta R.T. -0.01 min

Lab File: VW015469.D

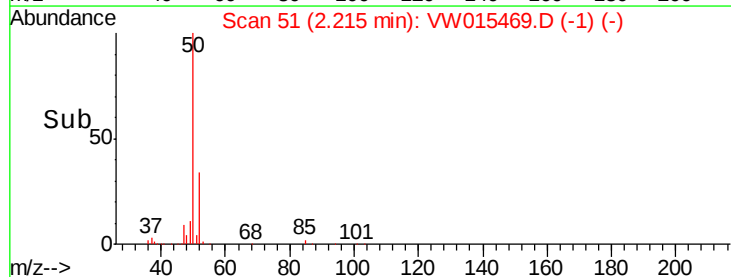
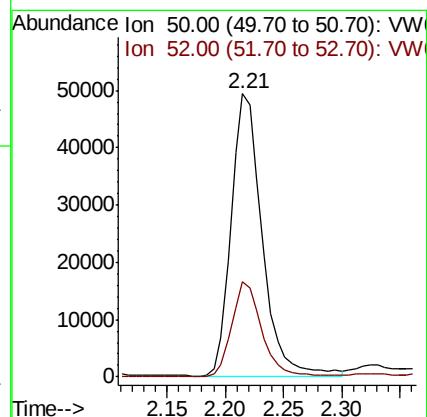
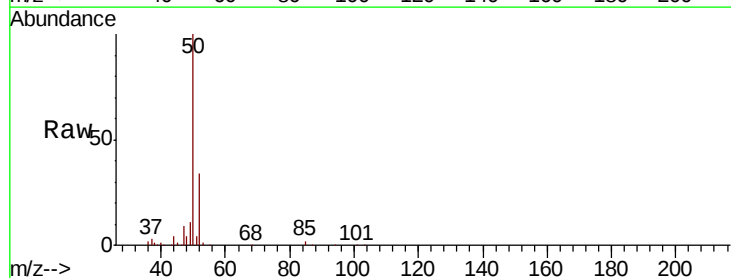
Acq: 26 May 2020 13:03

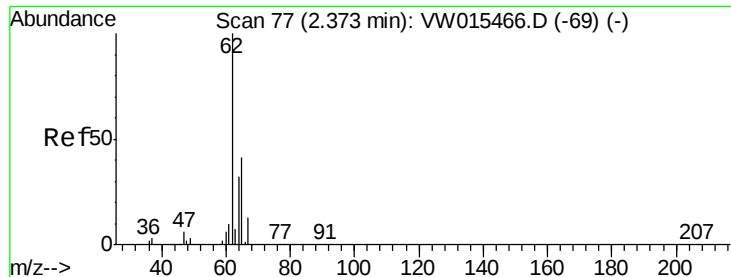
Tgt Ion: 50 Resp: 91073

Ion Ratio Lower Upper

50 100

52 33.7 23.3 43.3





#5

Vinyl chloride

Concen: 26.223 ug/L

RT: 2.37 min Scan# 76

Delta R.T. -0.01 min

Lab File: VW015469.D

Acq: 26 May 2020 13:03

Instrument :

MSVOA_W

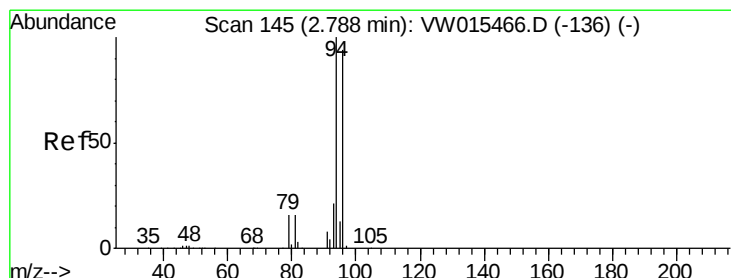
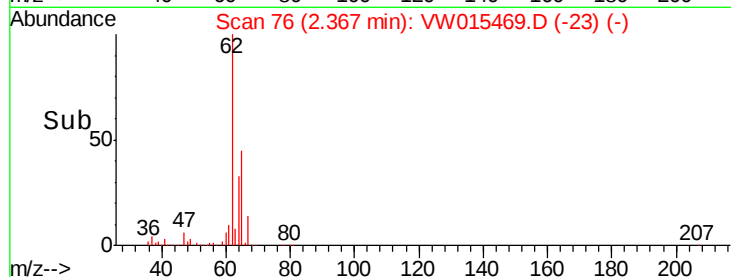
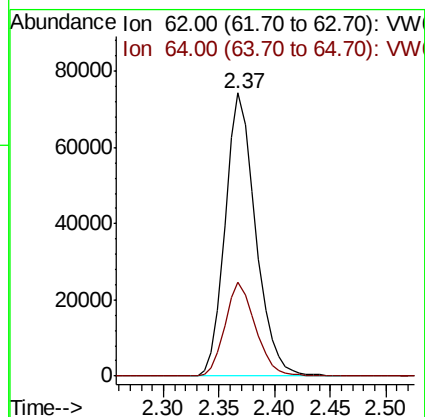
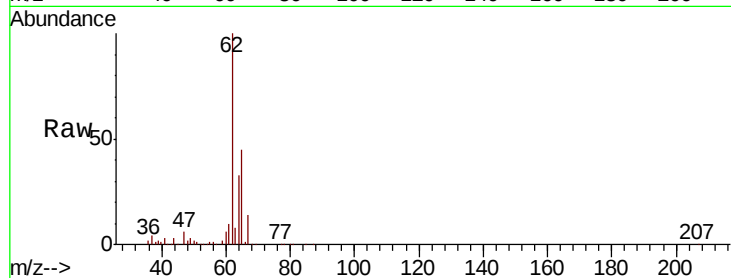
ClientSampleId :

Tot Ion: 62 Resp: 140897

Ion Ratio Lower Upper

62 100

64 33.2 22.6 42.0



#6

Bromomethane

Concen: 25.368 ug/L

RT: 2.79 min Scan# 145

Delta R.T. 0.00 min

Lab File: VW015469.D

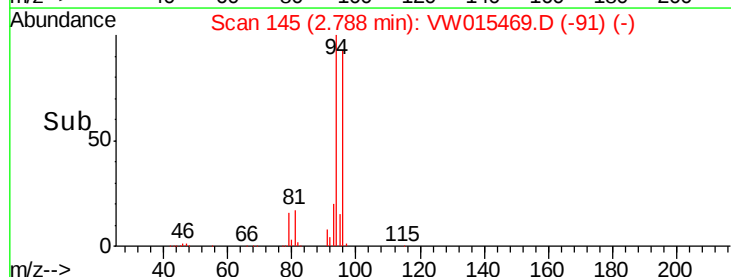
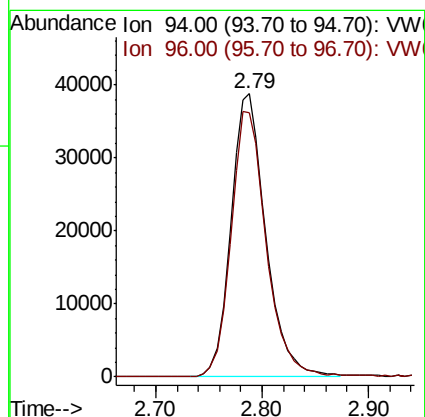
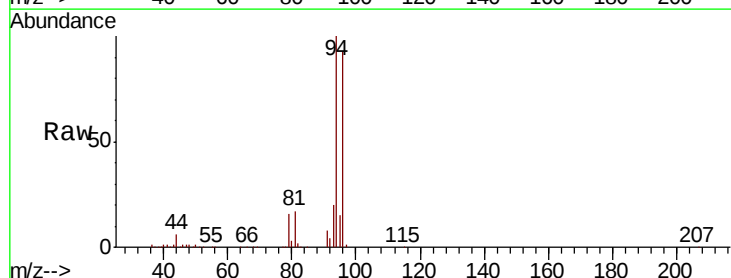
Acq: 26 May 2020 13:03

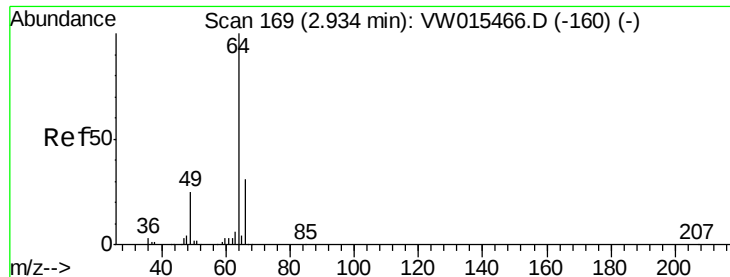
Tgt Ion: 94 Resp: 88592

Ion Ratio Lower Upper

94 100

96 95.1 9.3 177.5





#8

Chloroethane

Concen: 26.252 ug/L

RT: 2.93 min Scan# 169

Delta R.T. 0.00 min

Lab File: VW015469.D

Acq: 26 May 2020 13:03

Instrument :

MSVOA_W

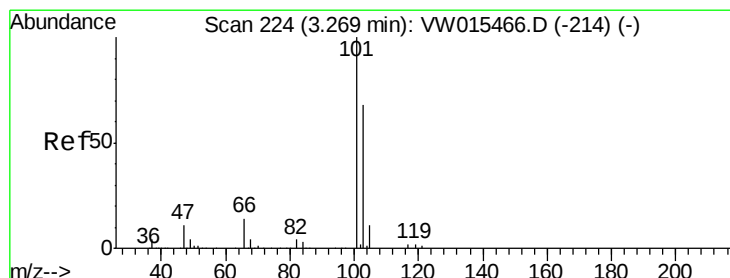
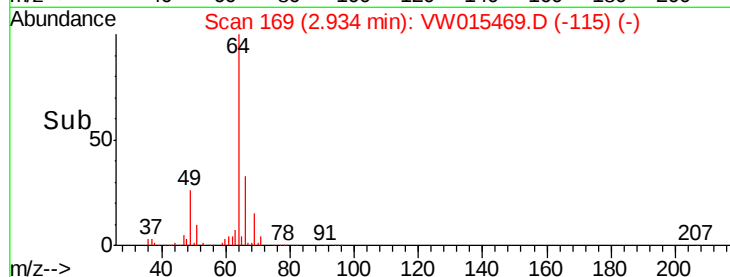
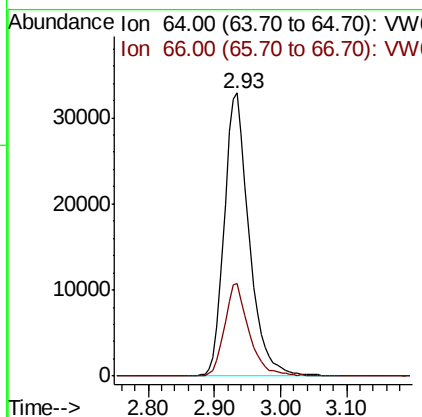
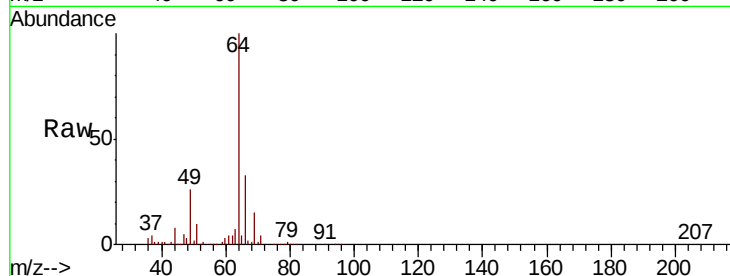
ClientSampleId :

Tot Ion: 64 Resp: 85863

Ion Ratio Lower Upper

64 100

66 32.6 22.0 40.8



#9

Trichlorofluoromethane

Concen: 27.237 ug/L

RT: 3.26 min Scan# 223

Delta R.T. -0.01 min

Lab File: VW015469.D

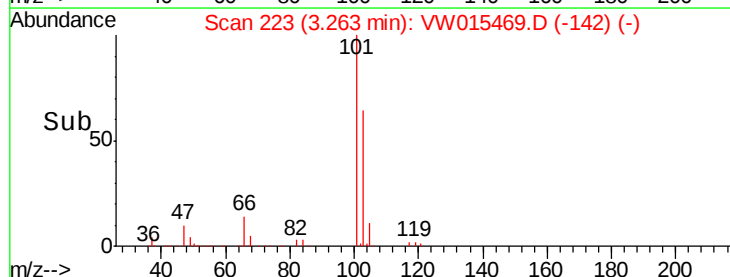
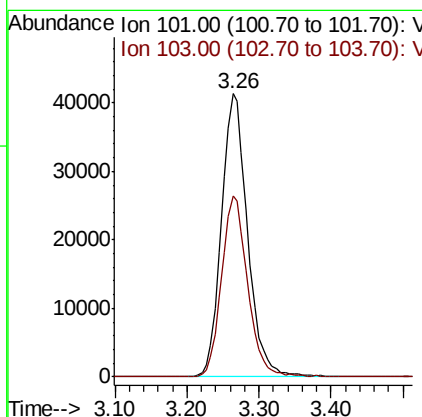
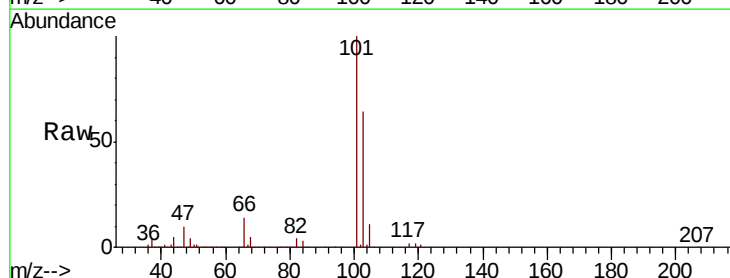
Acq: 26 May 2020 13:03

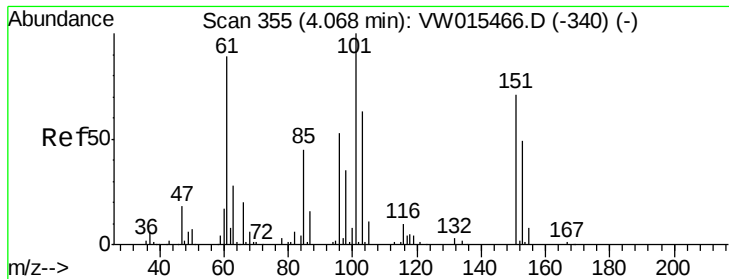
Tgt Ion: 101 Resp: 104146

Ion Ratio Lower Upper

101 100

103 63.5 46.6 86.6





#11

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

Concen: 25.337 ug/L

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW015469.D

Acq: 26 May 2020 13:03

Instrument :

MSVOA_W

ClientSampleId :

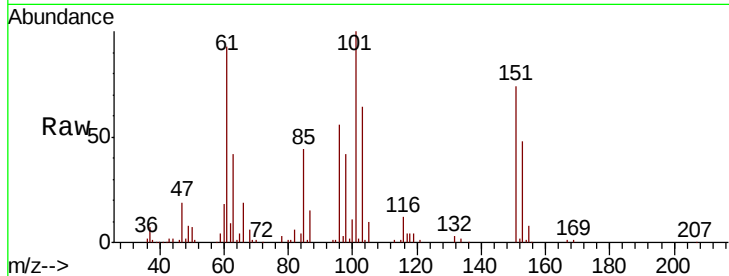
Tot Ion:101 Resp: 114903

Ion Ratio Lower Upper

101 100

85 45.7 35.1 52.7

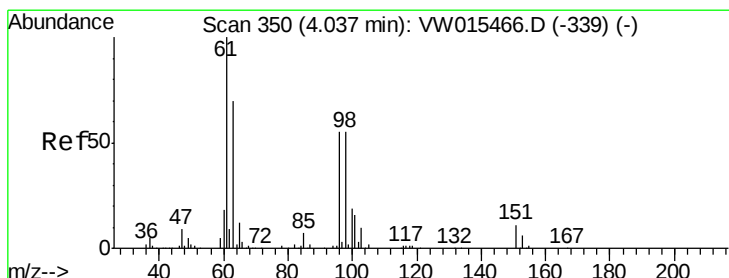
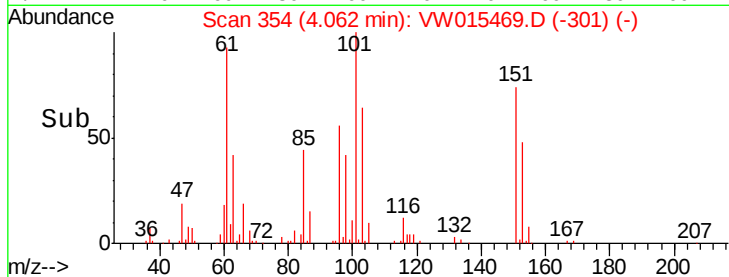
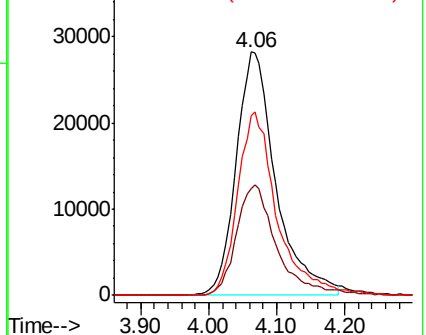
151 73.7 58.6 87.8



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: 26.168 ug/L

RT: 4.04 min Scan# 350

Delta R.T. 0.00 min

Lab File: VW015469.D

Acq: 26 May 2020 13:03

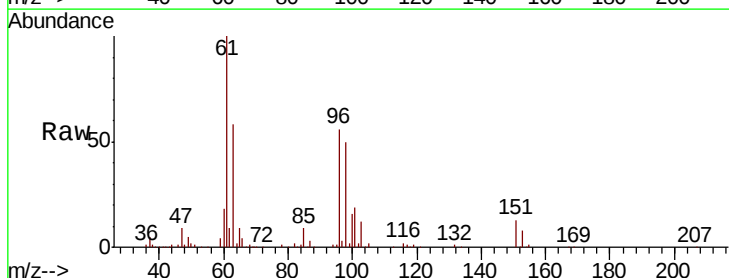
Tgt Ion: 96 Resp: 114633

Ion Ratio Lower Upper

96 100

61 177.4 127.7 237.1

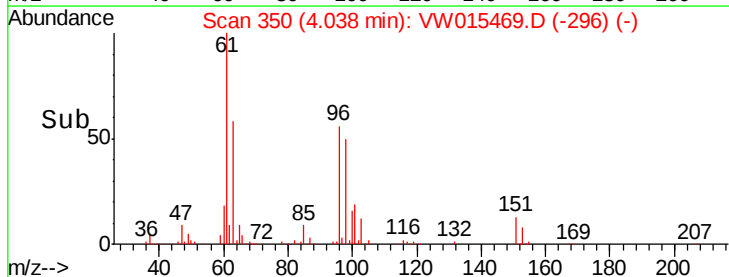
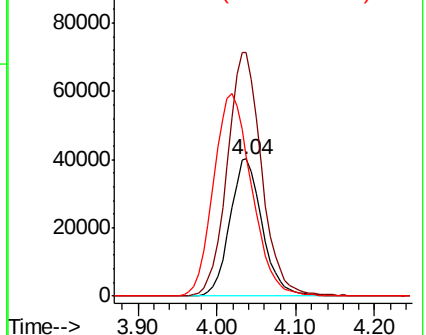
63 102.1 92.3 171.5

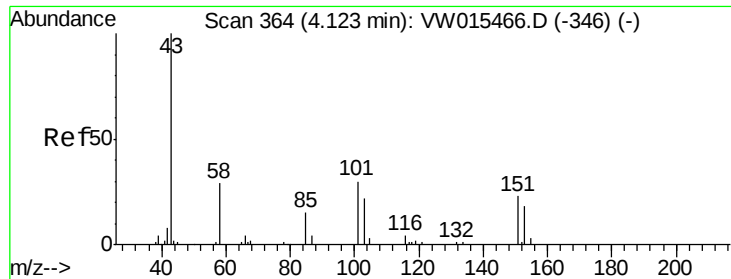


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 62.665 ug/L

RT: 4.12 min Scan# 364

Delta R.T. 0.00 min

Lab File: VW015469.D

Acq: 26 May 2020 13:03

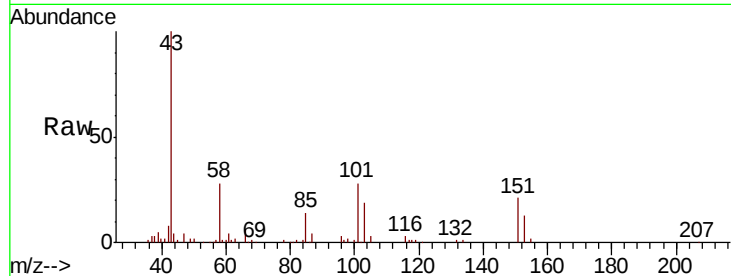
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 43 Resp: 53249

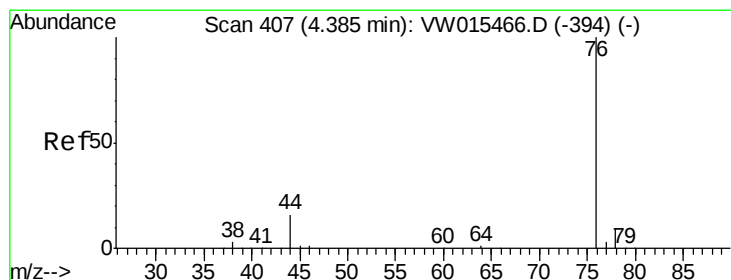
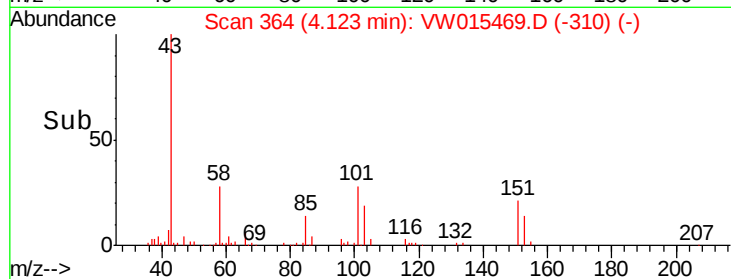
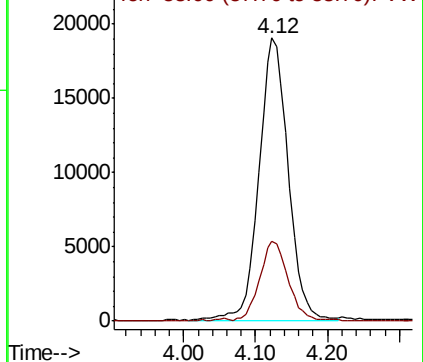
Ion Ratio Lower Upper

43 100

58 27.2 0.0 56.8



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



#14

Carbon disulfide

Concen: 26.090 ug/L

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW015469.D

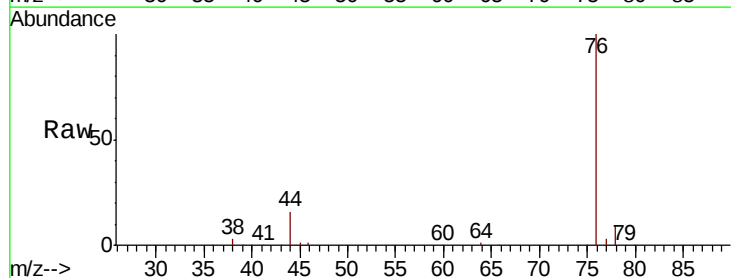
Acq: 26 May 2020 13:03

Tgt Ion: 76 Resp: 381291

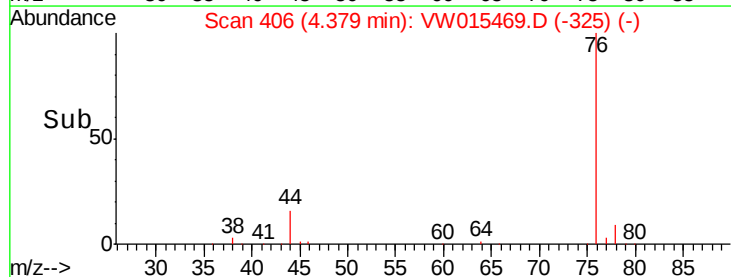
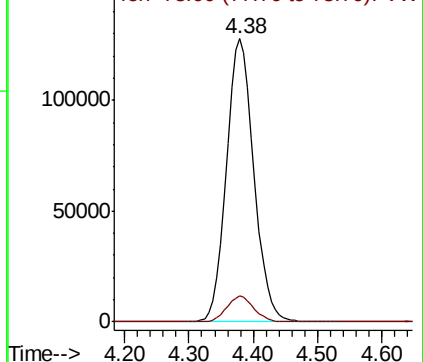
Ion Ratio Lower Upper

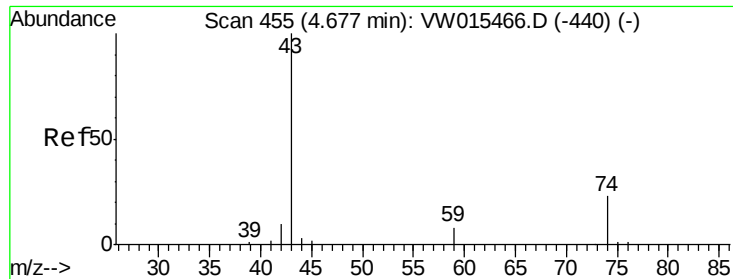
76 100

78 9.3 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VW
Ion 78.00 (77.70 to 78.70): VW

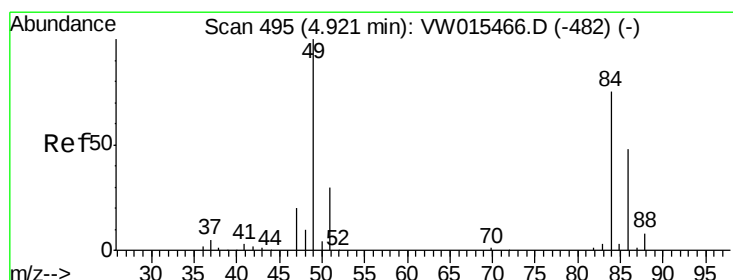
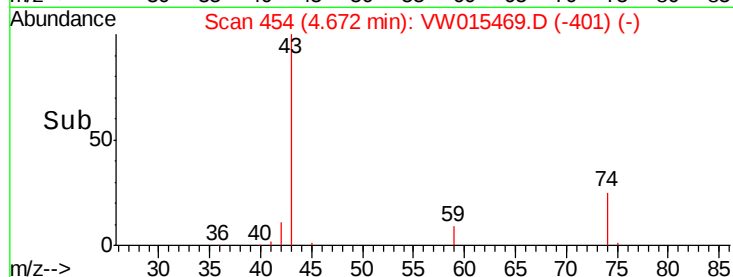
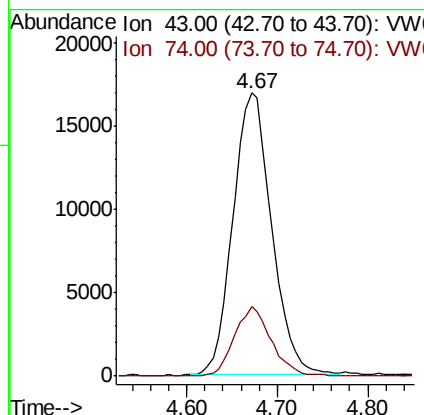
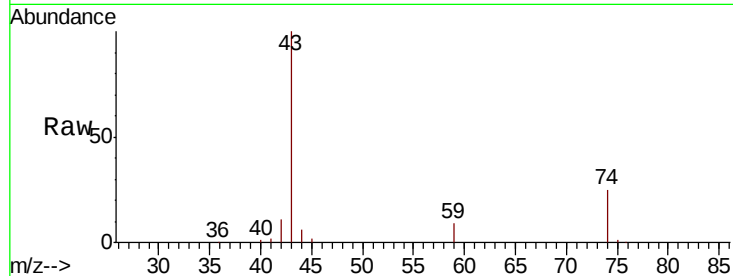




#15
Methvl Acetate
Concen: 27.213 ug/L
RT: 4.67 min Scan# 454
Delta R.T. -0.01 min
Lab File: VW015469.D
Acq: 26 May 2020 13:03

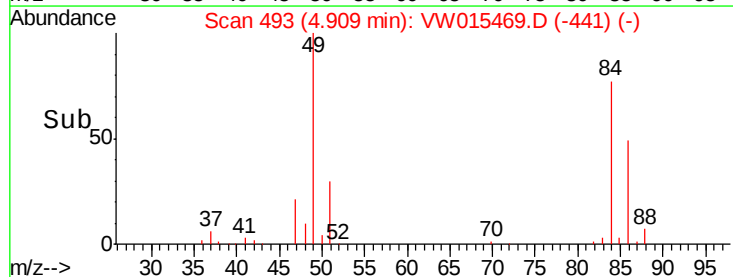
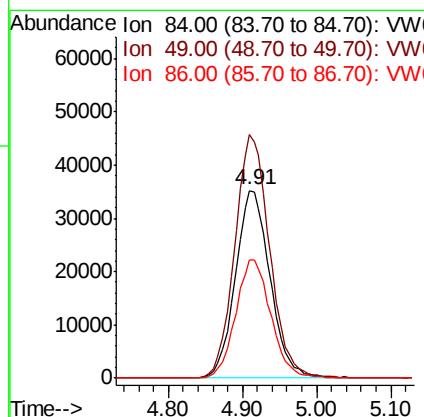
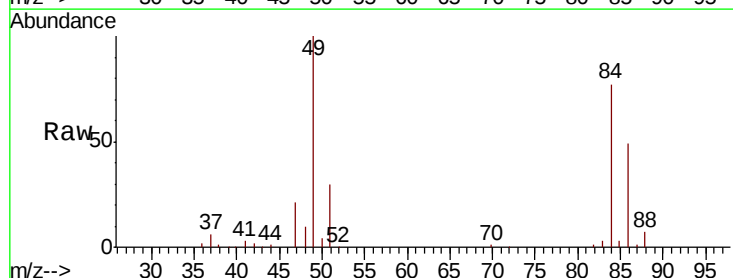
Instrument :
MSVOA_W
ClientSampleId :

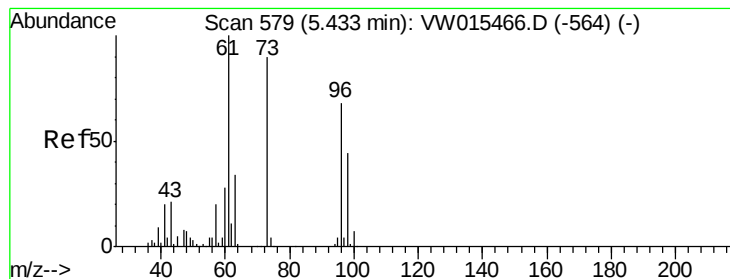
Tot Ion: 43 Resp: 50029
Ion Ratio Lower Upper
43 100
74 23.5 18.2 27.2



#16
Methylene chloride
Concen: 25.594 ug/L
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW015469.D
Acq: 26 May 2020 13:03

Tgt Ion: 84 Resp: 115402
Ion Ratio Lower Upper
84 100
49 129.7 93.0 172.8
86 63.2 44.7 83.1



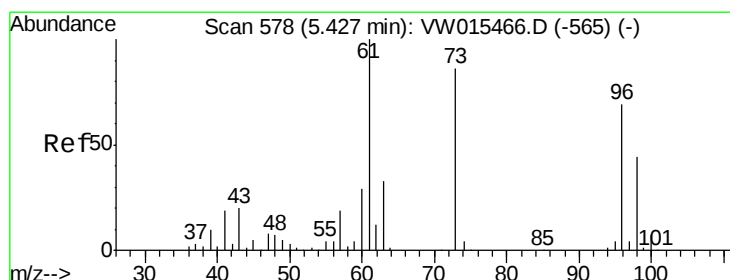
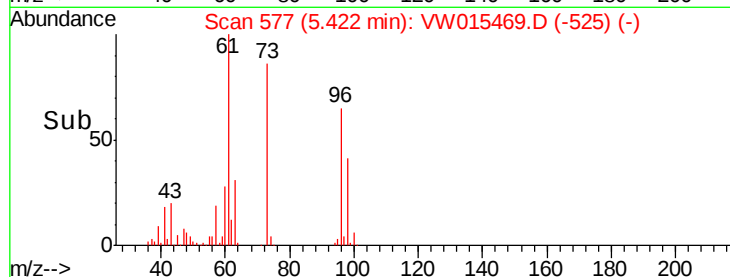
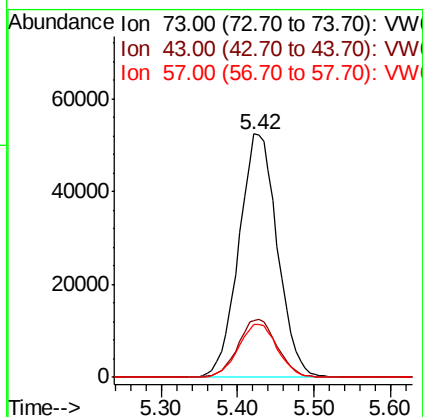
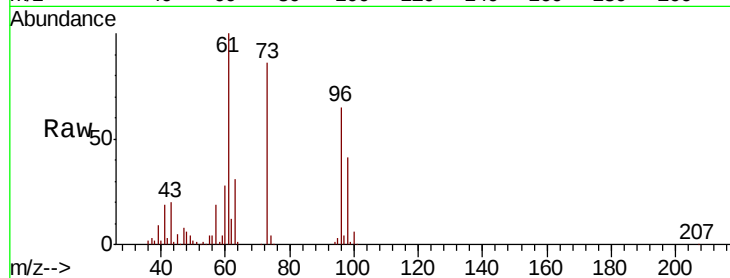


#17

Methyl tert-butyl Ether
 Concen: 26.328 ug/L
 RT: 5.42 min Scan# 577
 Delta R.T. -0.01 min
 Lab File: VW015469.D
 Acq: 26 May 2020 13:03

Instrument :
 MSVOA_W
 ClientSampled :

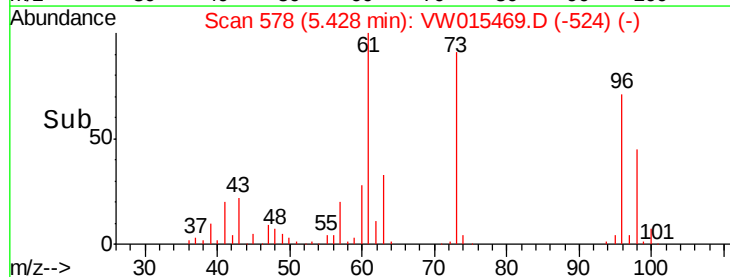
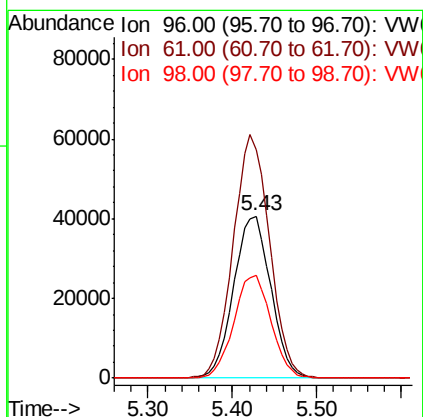
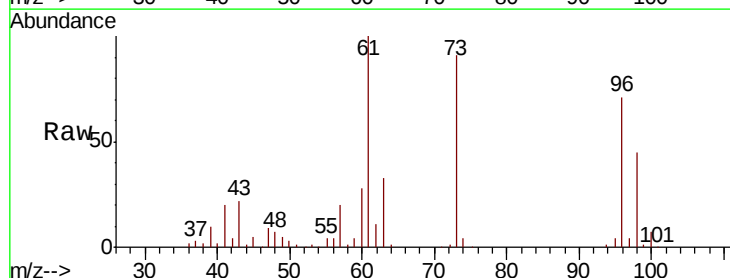
Tot Ion: 73 Resp: 183028
 Ion Ratio Lower Upper
 73 100
 43 24.2 19.6 29.4
 57 22.2 17.7 26.5

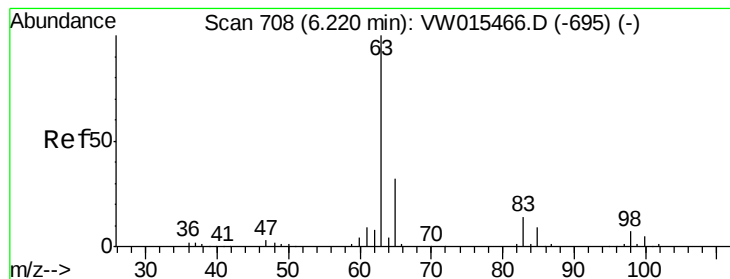


#18

trans-1,2-Dichloroethene
 Concen: 25.823 ug/L
 RT: 5.43 min Scan# 578
 Delta R.T. 0.00 min
 Lab File: VW015469.D
 Acq: 26 May 2020 13:03

Tgt Ion: 96 Resp: 121232
 Ion Ratio Lower Upper
 96 100
 61 141.1 101.9 189.3
 98 63.3 44.9 83.5





#19

1,1-Dichloroethane

Concen: 25.684 ug/L

RT: 6.21 min Scan# 707

Delta R.T. -0.01 min

Lab File: VW015469.D

Acq: 26 May 2020 13:03

Instrument :

MSVOA_W

ClientSampleId :

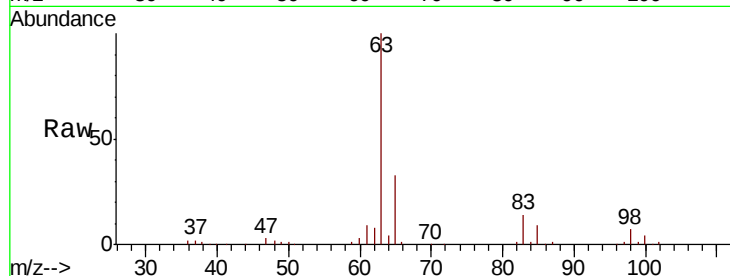
Tot Ion: 63 Resp: 216881

Ion Ratio Lower Upper

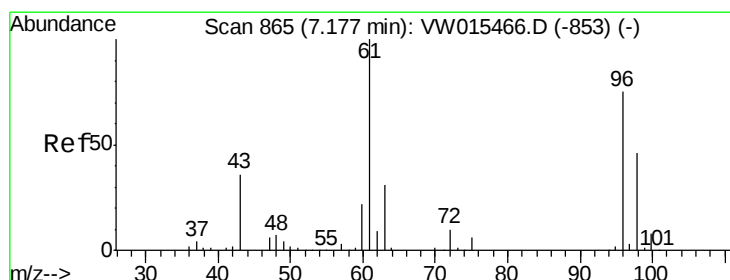
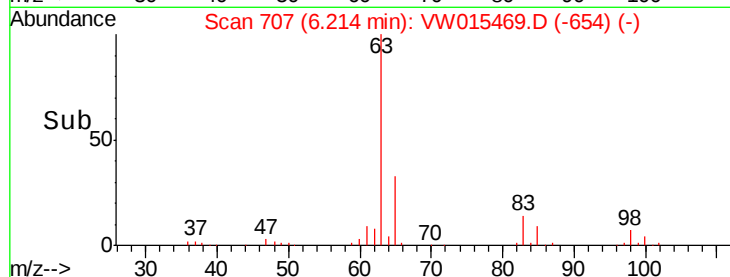
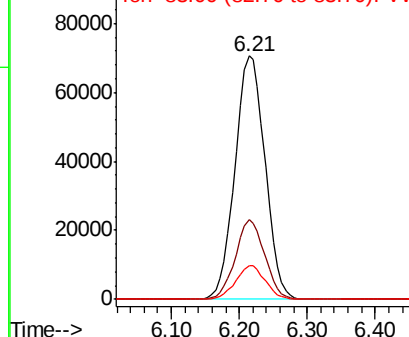
63 100

65 32.8 22.1 41.1

83 13.7 9.7 17.9



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: 54.905 ug/L

RT: 7.17 min Scan# 864

Delta R.T. -0.01 min

Lab File: VW015469.D

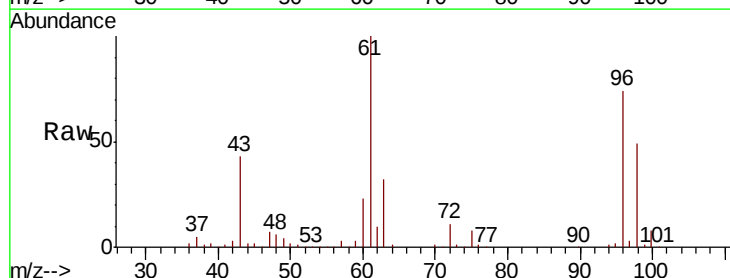
Acq: 26 May 2020 13:03

Tgt Ion: 43 Resp: 71671

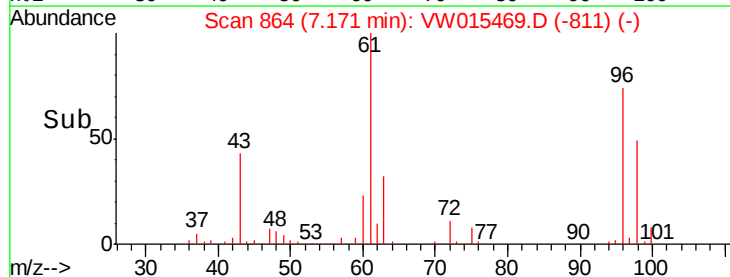
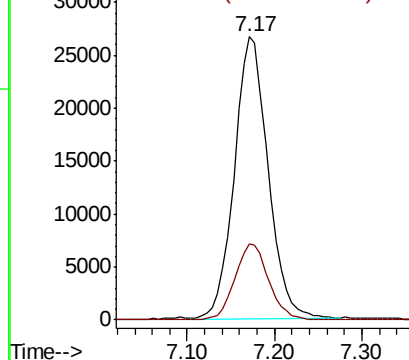
Ion Ratio Lower Upper

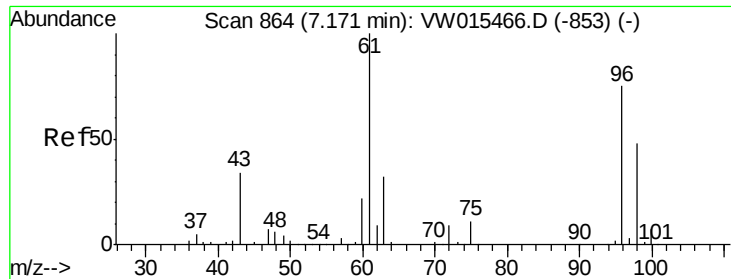
43 100

72 26.8 13.3 39.9



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



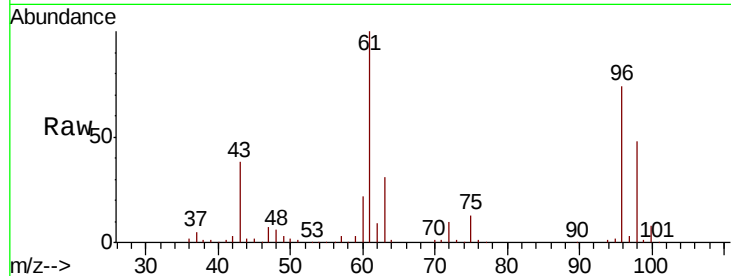


#22

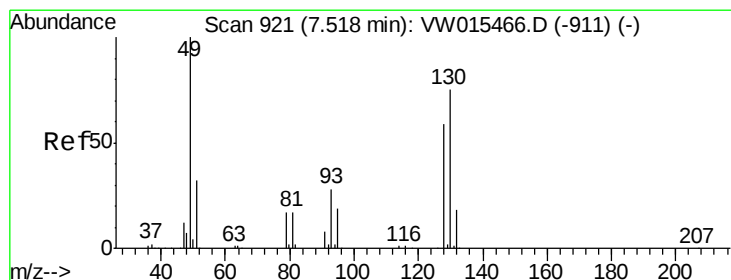
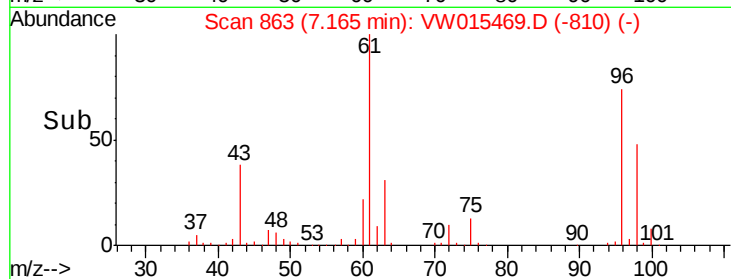
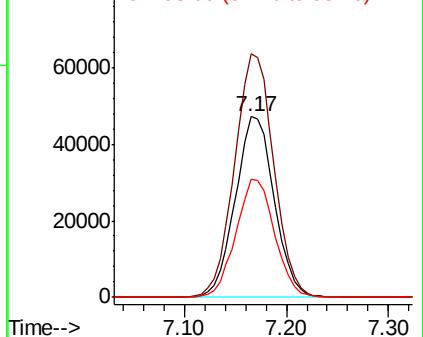
cis-1,2-Dichloroethene
Concen: 25.581 ug/L
RT: 7.17 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW015469.D
Acq: 26 May 2020 13:03

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 96 Resp: 125280
Ion Ratio Lower Upper
96 100
61 134.8 93.7 173.9
98 65.3 45.1 83.9



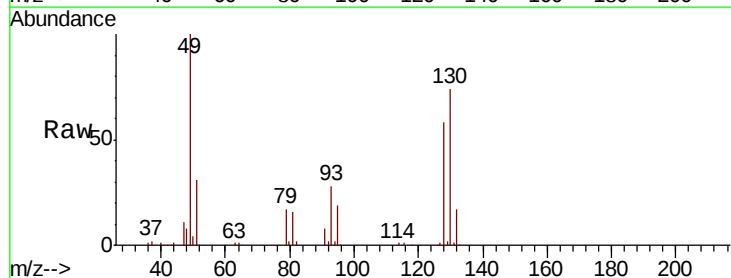
Abundance Ion 96.00 (95.70 to 96.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 98.00 (97.70 to 98.70): VW



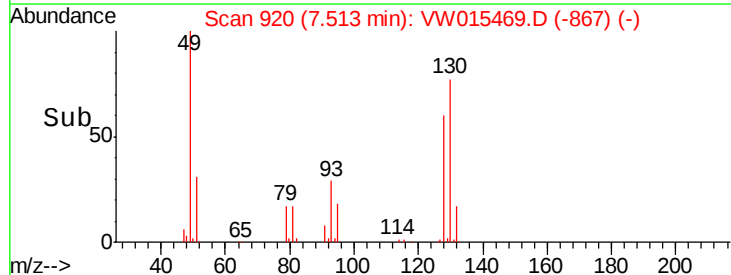
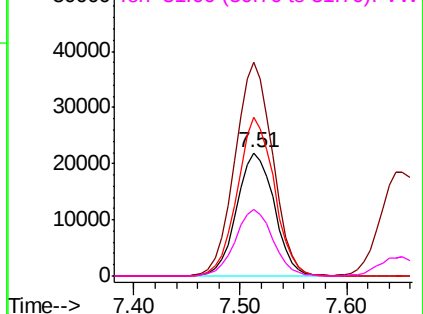
#23

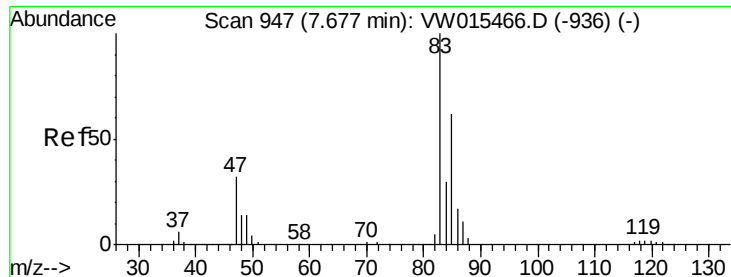
Bromochloromethane
Concen: 25.797 ug/L
RT: 7.51 min Scan# 920
Delta R.T. -0.01 min
Lab File: VW015469.D
Acq: 26 May 2020 13:03

Tgt Ion:128 Resp: 54479
Ion Ratio Lower Upper
128 100
49 172.9 118.1 219.3
130 128.5 88.5 164.3
51 53.8 42.8 64.2



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

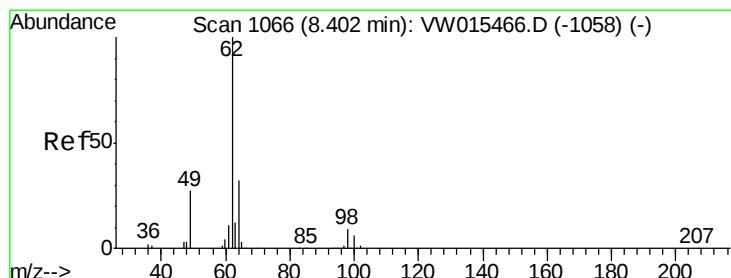
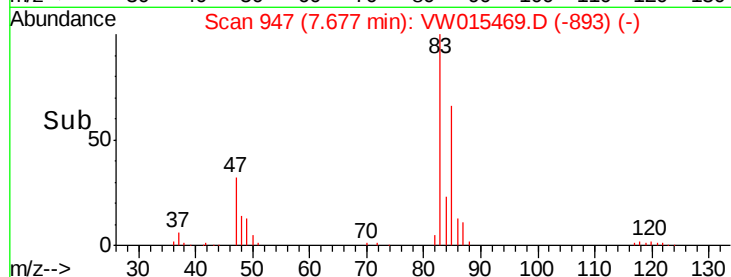
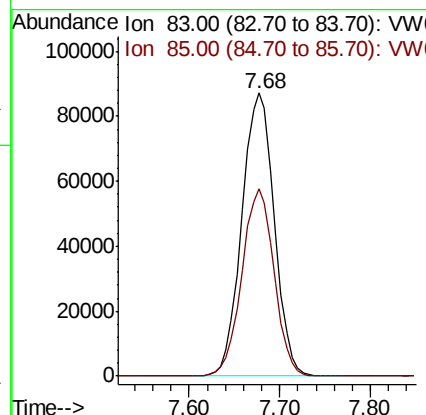
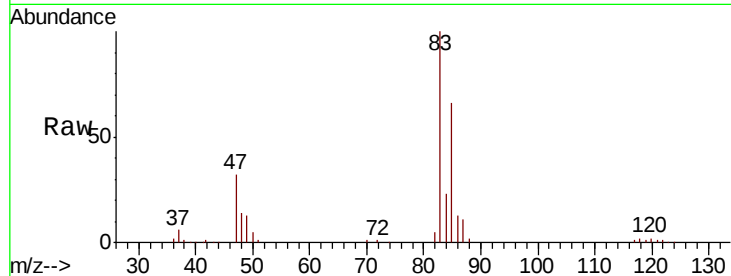




#25
Chloroform
Concen: 25.386 ug/L
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW015469.D
Acq: 26 May 2020 13:03

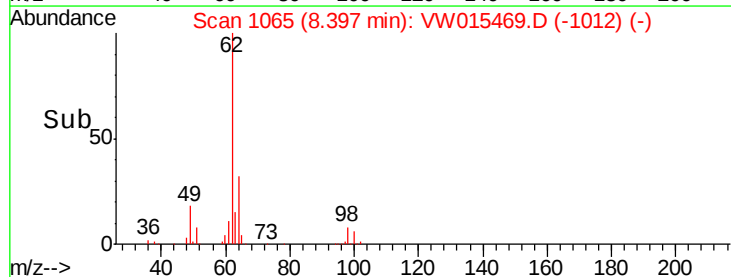
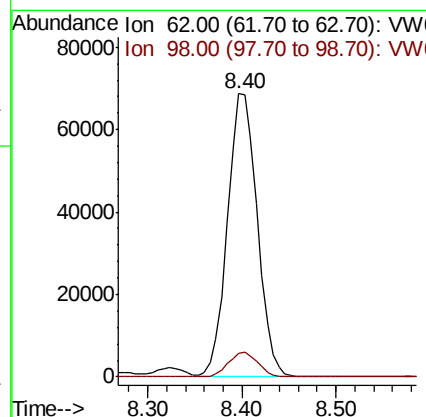
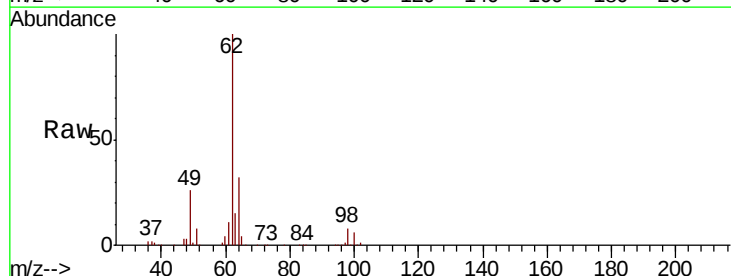
Instrument :
MSVOA_W
ClientSampled :

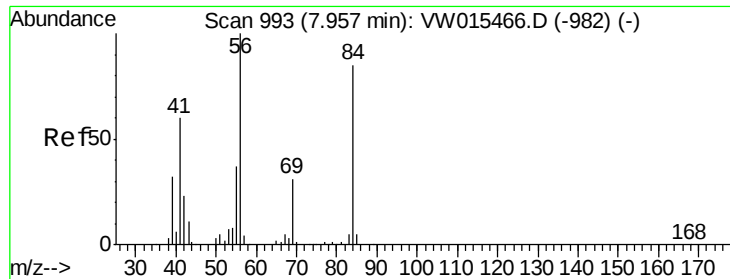
Tot Ion: 83 Resp: 215846
Ion Ratio Lower Upper
83 100
85 65.7 45.7 84.9



#27
1,2-Dichloroethane
Concen: 26.188 ug/L
RT: 8.40 min Scan# 1065
Delta R.T. -0.01 min
Lab File: VW015469.D
Acq: 26 May 2020 13:03

Tgt Ion: 62 Resp: 150633
Ion Ratio Lower Upper
62 100
98 8.2 7.0 10.4

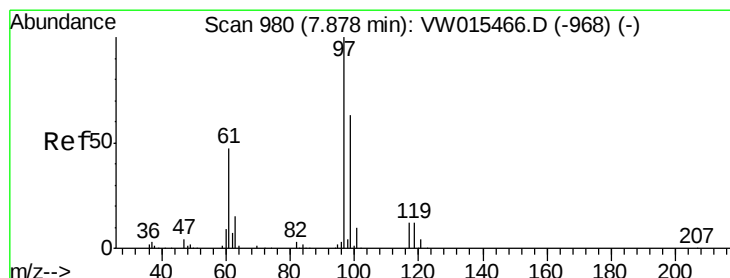
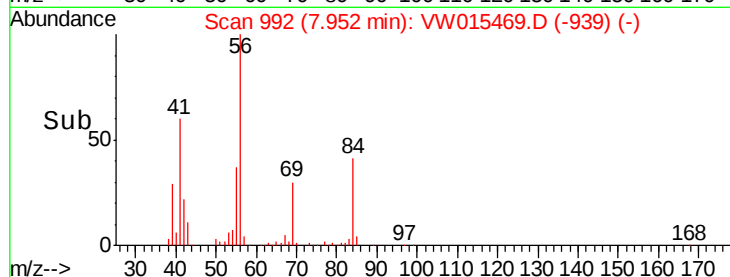
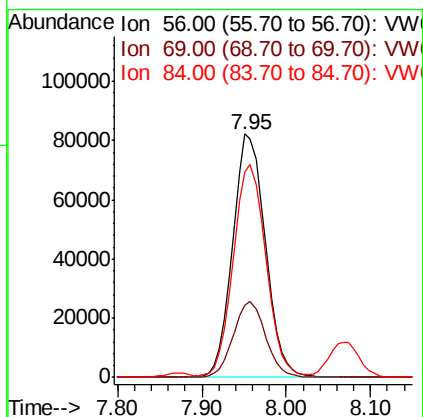
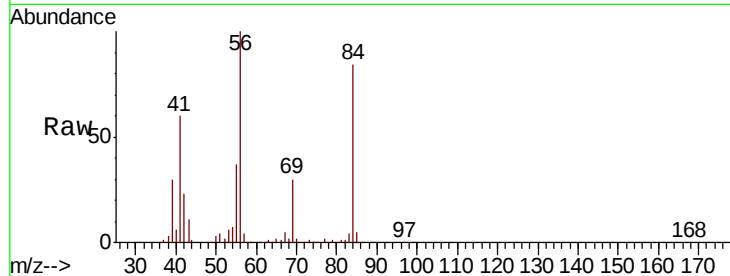




#30
Cyclohexane
Concen: 26.176 ug/L
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW015469.D
Acq: 26 May 2020 13:03

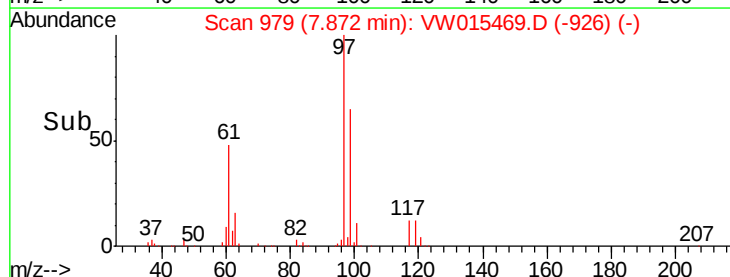
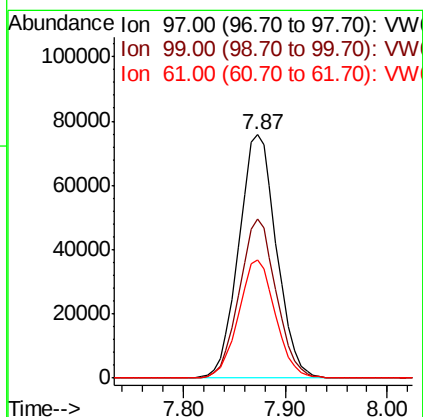
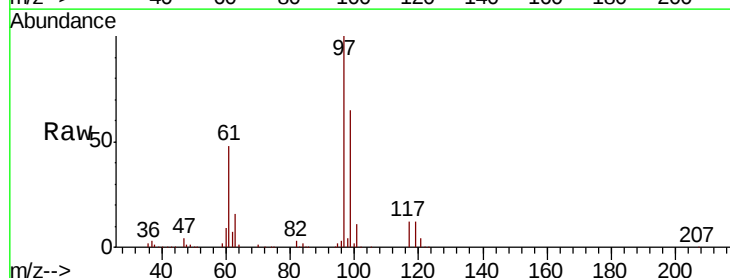
Instrument :
MSVOA_W
ClientSampled :

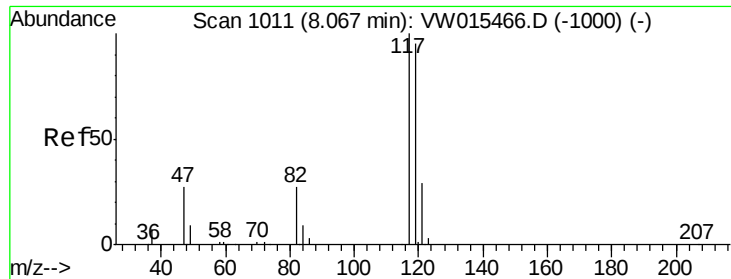
Tot Ion: 56 Resp: 215676
Ion Ratio Lower Upper
56 100
69 30.8 24.6 37.0
84 87.7 69.6 104.4



#31
1,1,1-Trichloroethane
Concen: 26.058 ug/L
RT: 7.87 min Scan# 979
Delta R.T. -0.01 min
Lab File: VW015469.D
Acq: 26 May 2020 13:03

Tgt Ion: 97 Resp: 194310
Ion Ratio Lower Upper
97 100
99 63.7 51.4 77.0
61 47.4 38.1 57.1





#32

Carbon tetrachloride

Concen: 25.834 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. 0.00 min

Lab File: VW015469.D

Acq: 26 May 2020 13:03

Instrument :

MSVOA_W

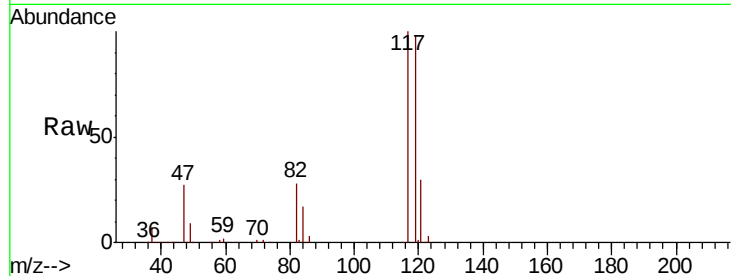
ClientSampled :

Tot Ion:117 Resp: 176690

Ion Ratio Lower Upper

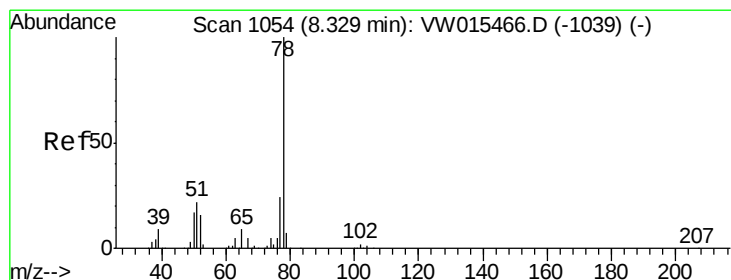
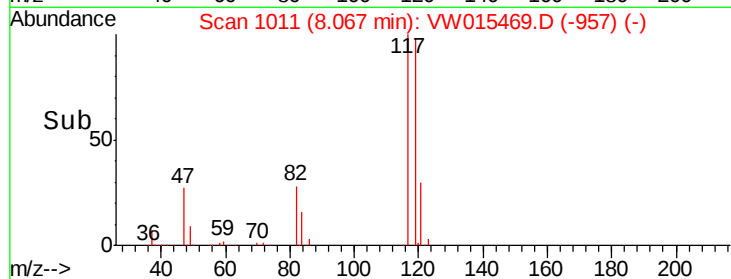
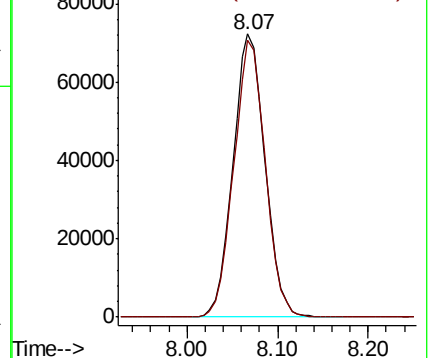
117 100

119 96.4 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: 25.983 ug/L

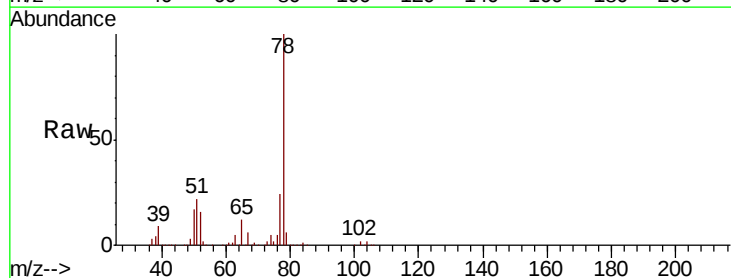
RT: 8.32 min Scan# 1053

Delta R.T. -0.01 min

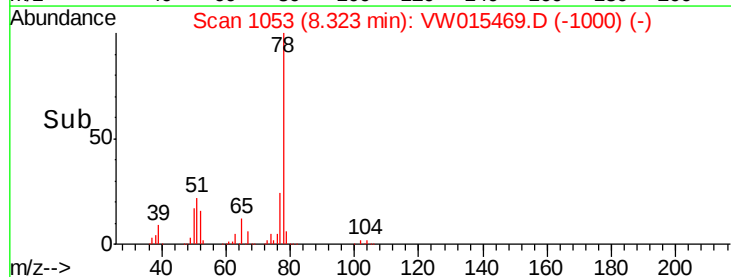
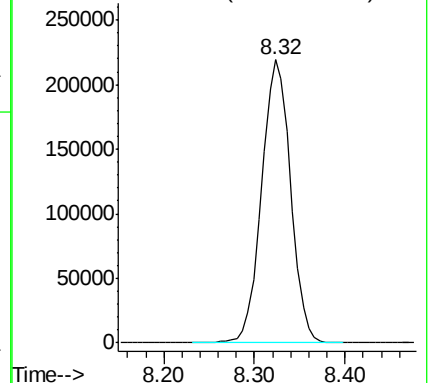
Lab File: VW015469.D

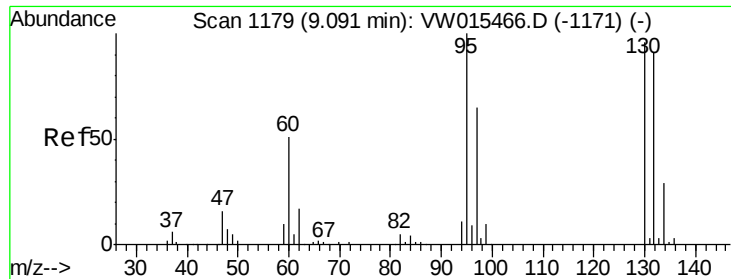
Acq: 26 May 2020 13:03

Tgt Ion: 78 Resp: 484330



Abundance Ion 78.00 (77.70 to 78.70): VW

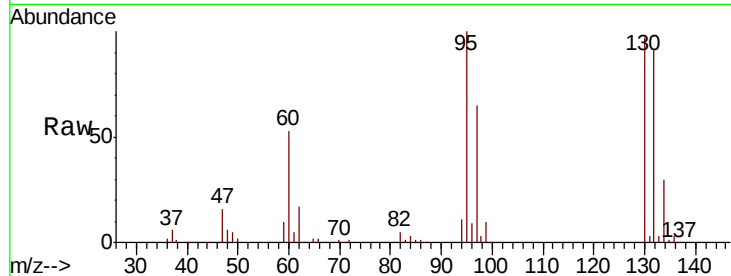




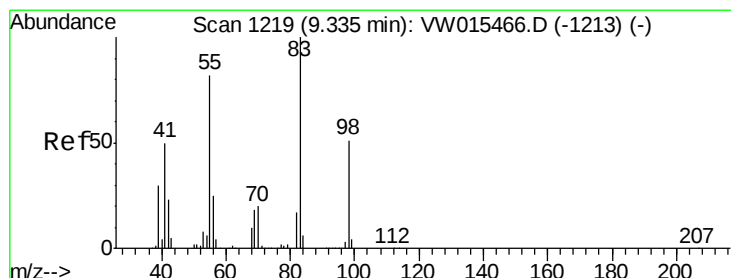
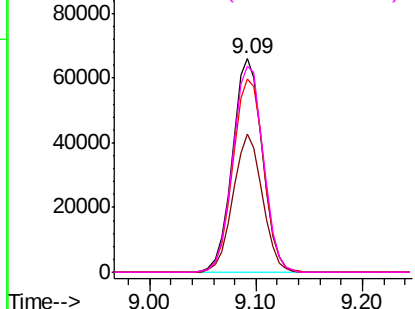
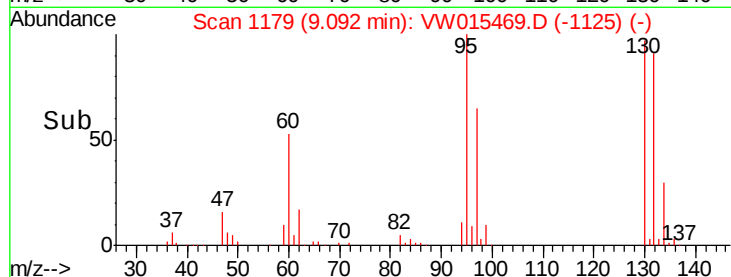
#35
 Trichloroethene
 Concen: 26.012 ug/L
 RT: 9.09 min Scan# 1179
 Delta R.T. 0.00 min
 Lab File: VW015469.D
 Acq: 26 May 2020 13:03

Instrument :
 MSVOA_W
 ClientSampled :

Tot Ion: 95 Resp: 130242
 Ion Ratio Lower Upper
 95 100
 97 63.5 45.4 84.2
 132 93.1 67.1 124.7
 130 98.7 69.4 128.8

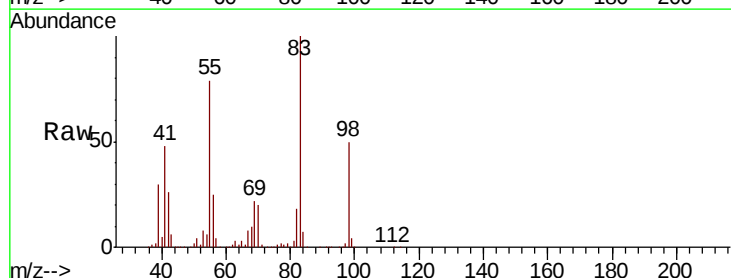


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

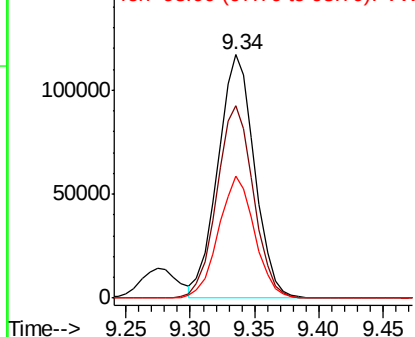
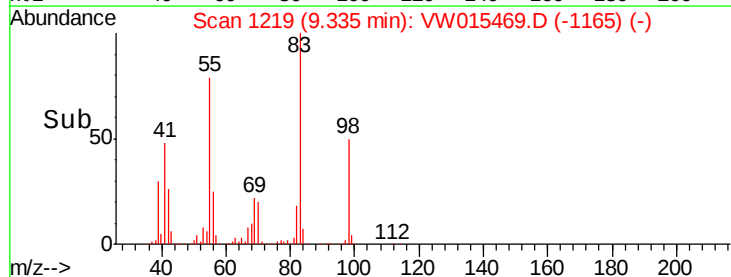


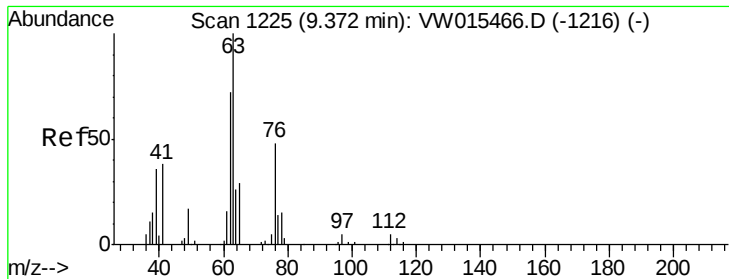
#36
 Methylcyclohexane
 Concen: 26.071 ug/L
 RT: 9.34 min Scan# 1219
 Delta R.T. 0.00 min
 Lab File: VW015469.D
 Acq: 26 May 2020 13:03

Tgt Ion: 83 Resp: 232814
 Ion Ratio Lower Upper
 83 100
 55 79.1 62.8 94.2
 98 49.3 39.2 58.8



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

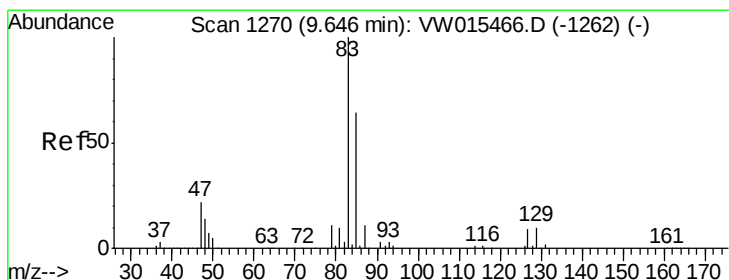
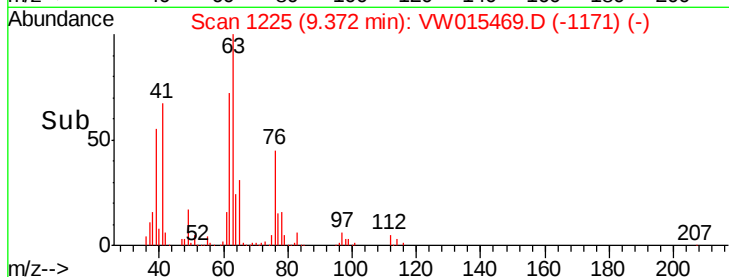
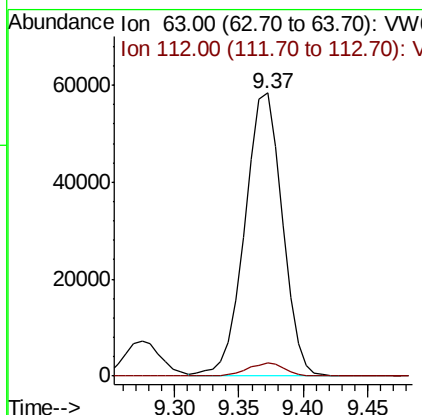
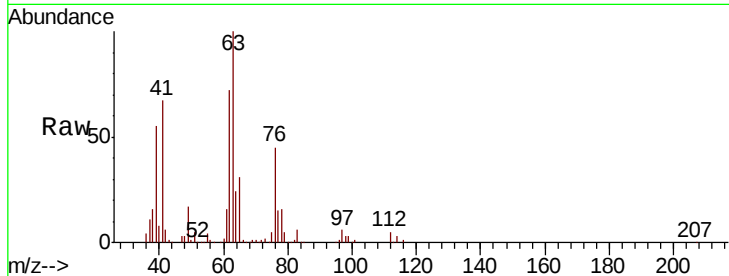




#40
 1,2-Dichloropropane
 Concen: 25.608 ug/L
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.00 min
 Lab File: VW015469.D
 Acq: 26 May 2020 13:03

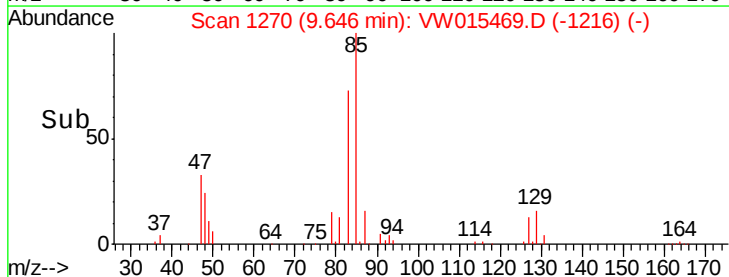
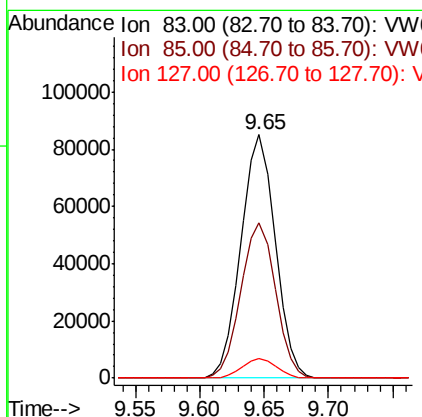
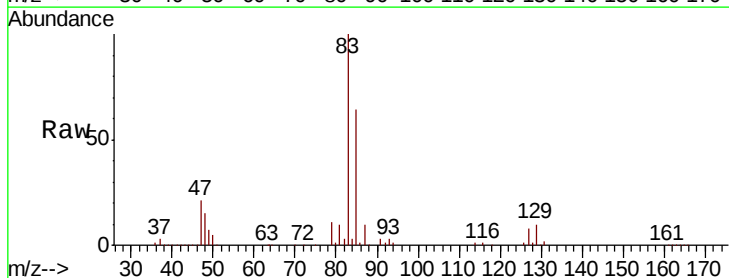
Instrument :
 MSVOA_W
 ClientSampleId :

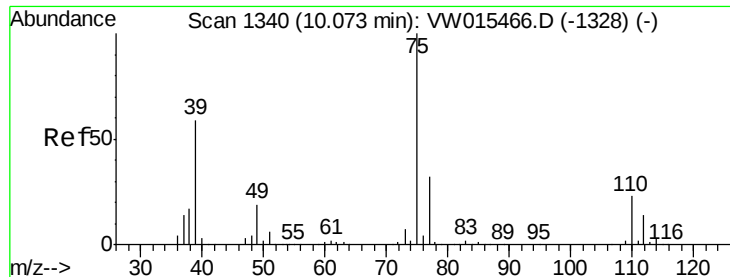
Tot Ion: 63 Resp: 117549
 Ion Ratio Lower Upper
 63 100
 112 4.6 3.8 5.8



#41
 Bromodichloromethane
 Concen: 25.687 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VW015469.D
 Acq: 26 May 2020 13:03

Tgt Ion: 83 Resp: 157525
 Ion Ratio Lower Upper
 83 100
 85 63.9 44.8 83.2
 127 8.0 7.0 10.6





#42

cis-1,3-Dichloropropene

Concen: 26.050 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW015469.D

Acq: 26 May 2020 13:03

Instrument :

MSVOA_W

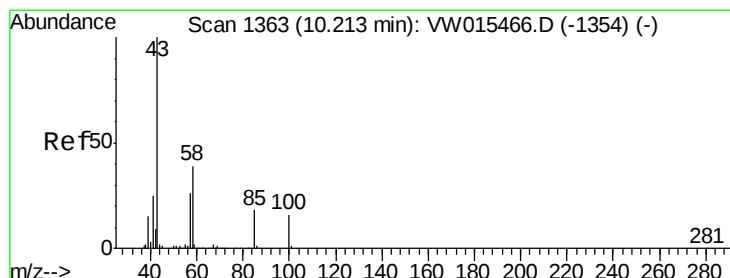
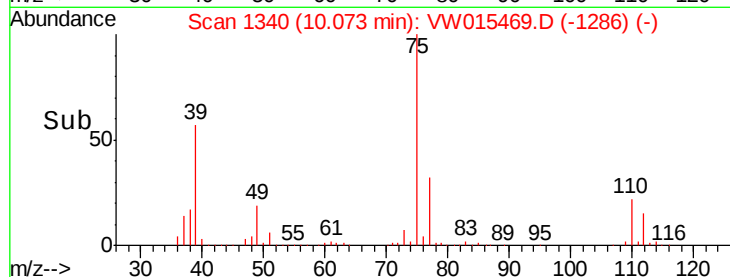
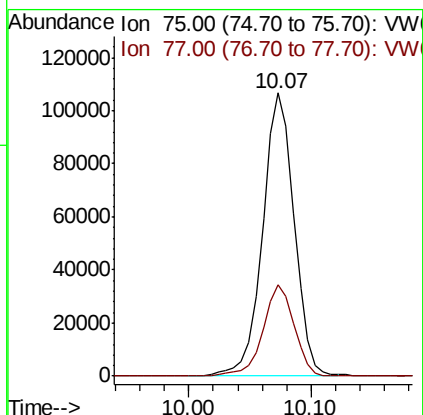
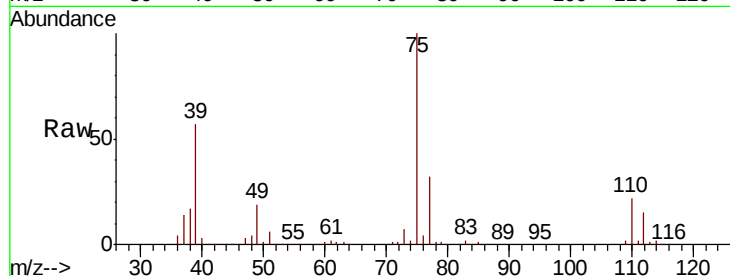
ClientSampled :

Tot Ion: 75 Resp: 191356

Ion Ratio Lower Upper

75 100

77 32.4 22.3 41.5



#43

4-Methyl-2-pentanone

Concen: 55.524 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW015469.D

Acq: 26 May 2020 13:03

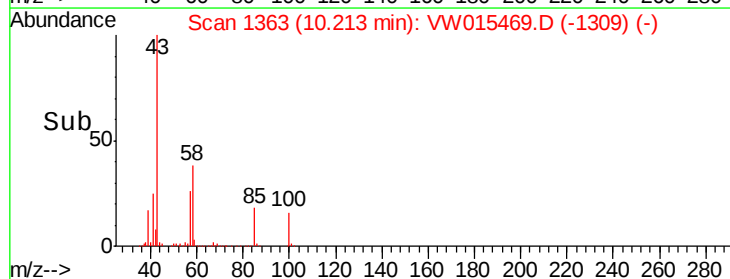
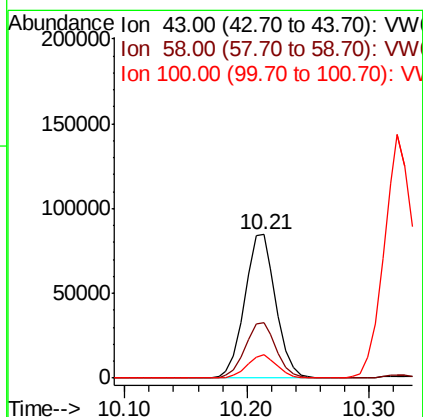
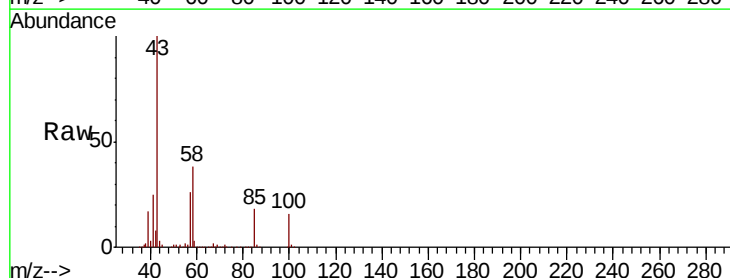
Tgt Ion: 43 Resp: 149403

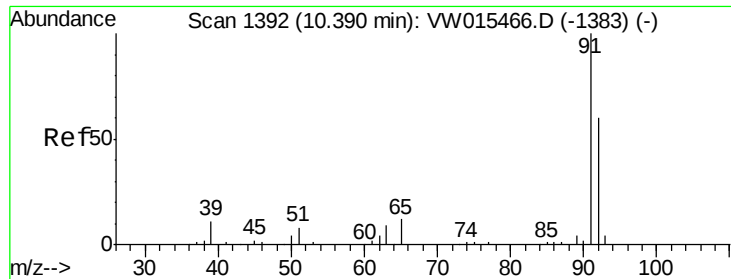
Ion Ratio Lower Upper

43 100

58 38.3 30.6 46.0

100 15.7 12.5 18.7





#44

Toluene

Concen: 26.147 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW015469.D

Acq: 26 May 2020 13:03

Instrument :

MSVOA_W

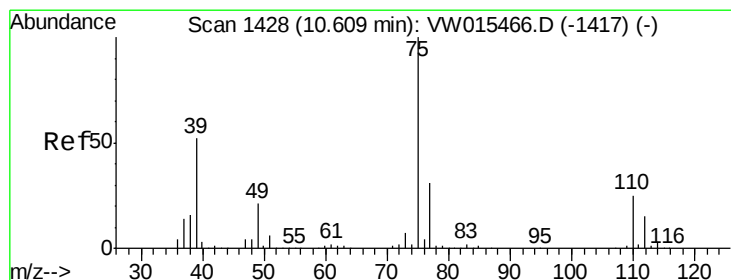
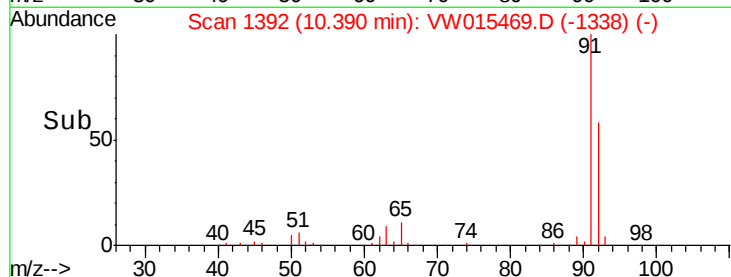
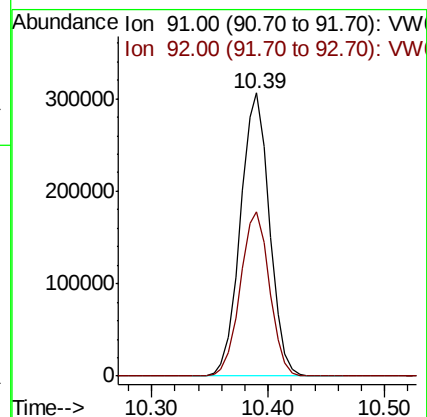
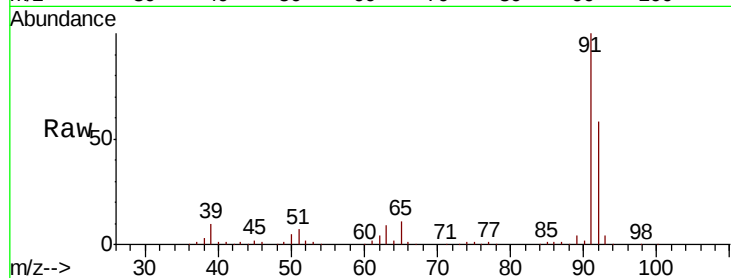
ClientSampleId :

Tot Ion: 91 Resp: 530997

Ion Ratio Lower Upper

91 100

92 57.9 41.7 77.5



#45

trans-1,3-Dichloropropene

Concen: 26.641 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW015469.D

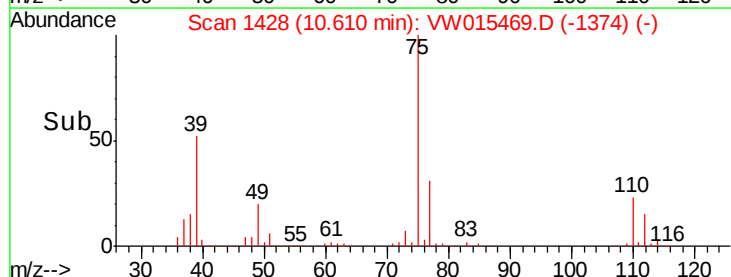
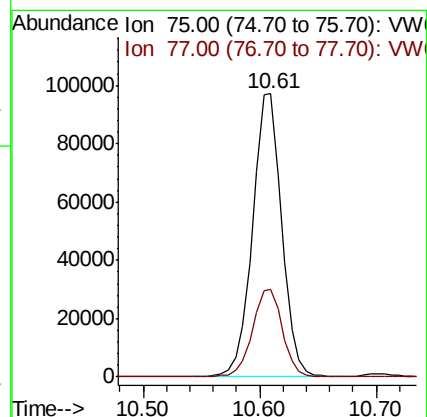
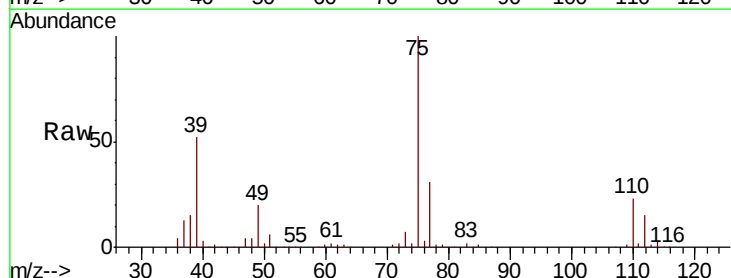
Acq: 26 May 2020 13:03

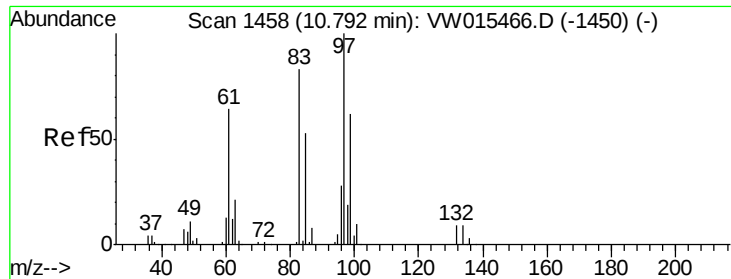
Tgt Ion: 75 Resp: 170303

Ion Ratio Lower Upper

75 100

77 30.9 21.5 39.9

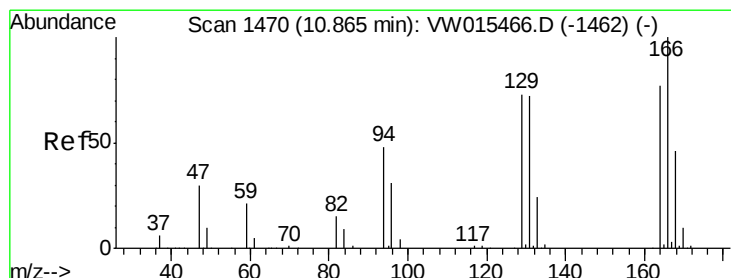
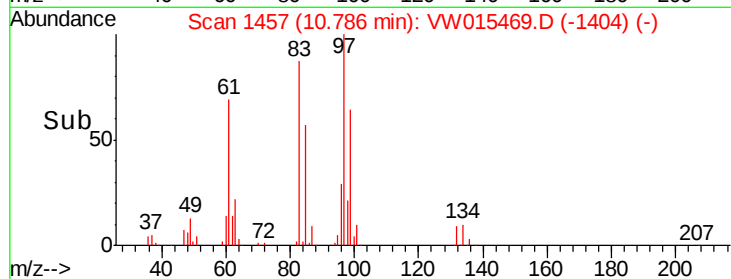
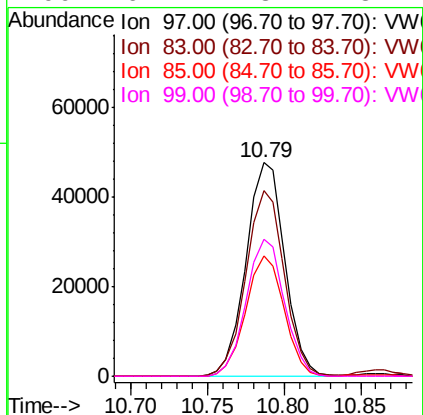
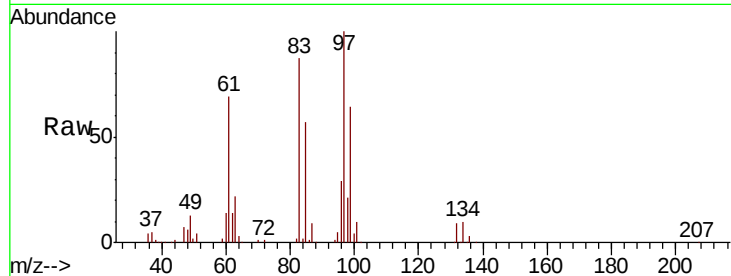




#46
 1,1,2-Trichloroethane
 Concen: 26.091 ug/L
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.01 min
 Lab File: VW015469.D
 Acq: 26 May 2020 13:03

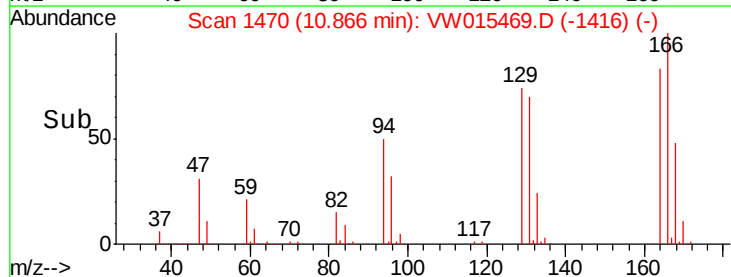
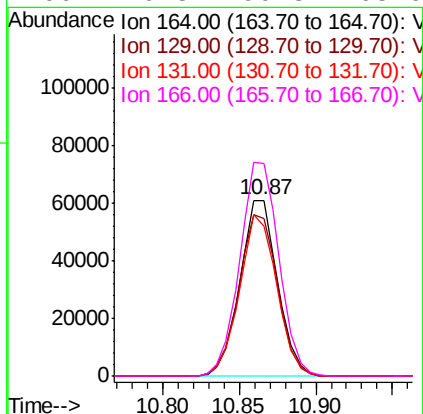
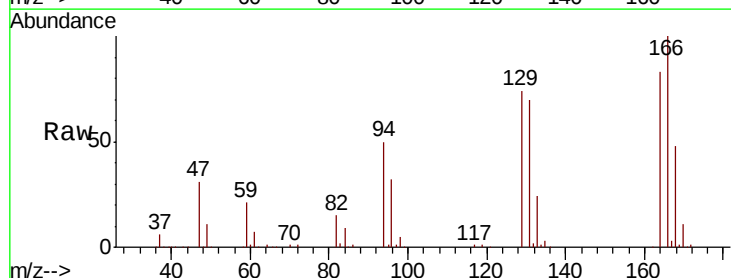
Instrument :
 MSVOA_W
 ClientSampled :

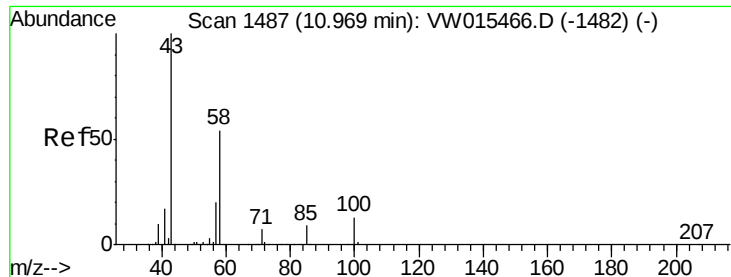
Tot Ion:	97	Resp:	83788
Ion	Ratio	Lower	Upper
97	100		
83	86.8	58.2	108.2
85	56.5	37.4	69.4
99	64.1	43.7	81.1



#47
 Tetrachloroethene
 Concen: 26.166 ug/L
 RT: 10.87 min Scan# 1470
 Delta R.T. 0.00 min
 Lab File: VW015469.D
 Acq: 26 May 2020 13:03

Tgt Ion:	164	Resp:	103853
Ion	Ratio	Lower	Upper
164	100		
129	89.6	66.3	123.1
131	84.9	65.1	120.9
166	120.8	90.8	168.6

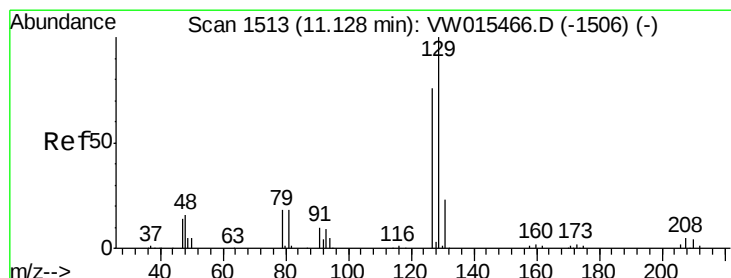
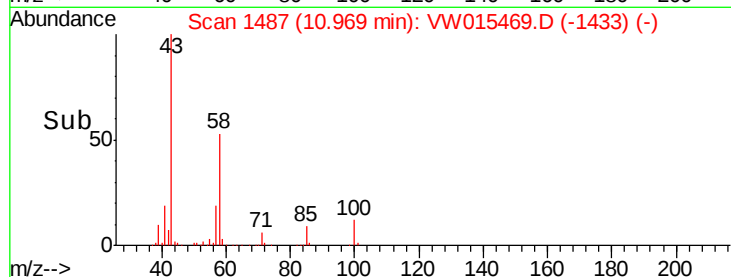
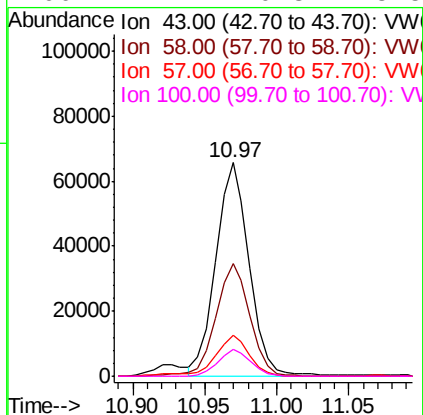
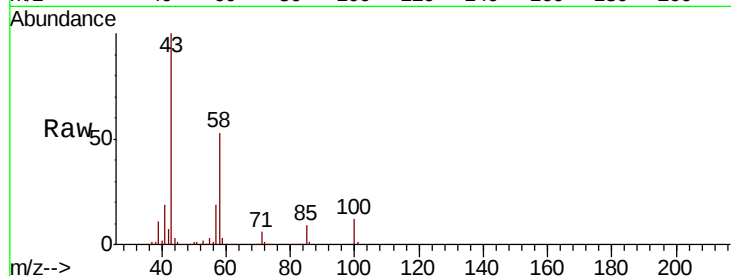




#49
2-Hexanone
Concen: 58.440 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW015469.D
Acq: 26 May 2020 13:03

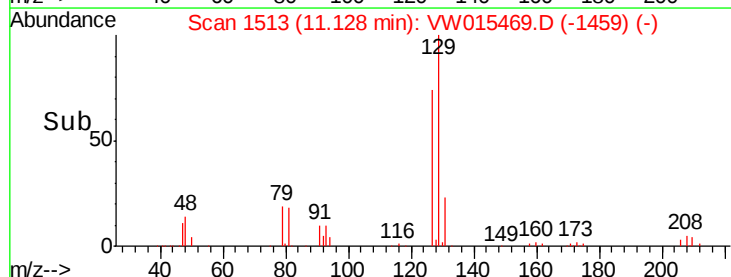
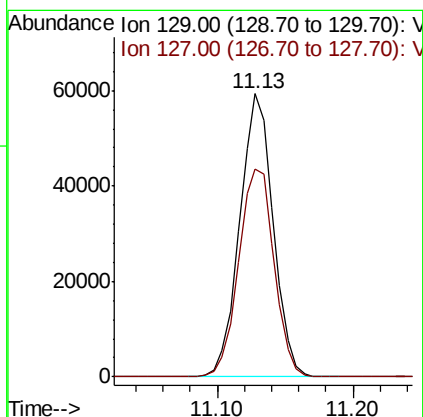
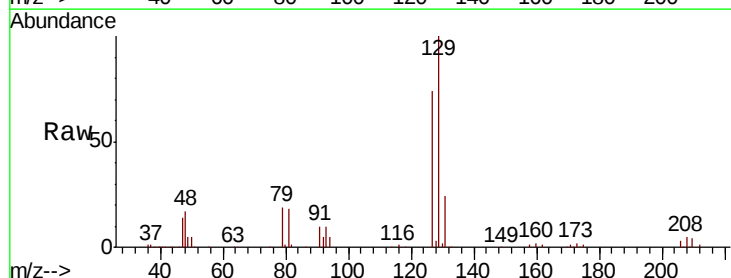
Instrument :
MSVOA_W
ClientSampleId :

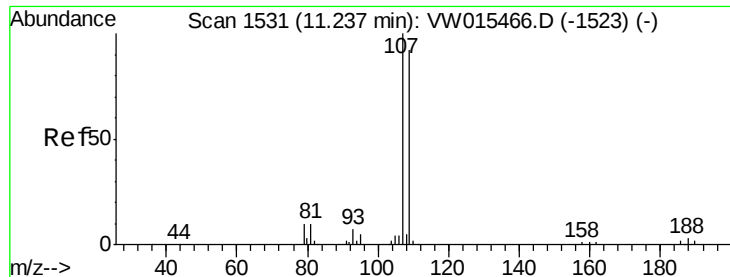
Tot Ion:	43	Resp:	106141
Ion	Ratio	Lower	Upper
43	100		
58	53.5	42.6	64.0
57	18.7	15.5	23.3
100	12.4	10.3	15.5



#50
Dibromochloromethane
Concen: 26.089 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW015469.D
Acq: 26 May 2020 13:03

Tgt Ion:	129	Resp:	101792
Ion	Ratio	Lower	Upper
129	100		
127	73.5	53.0	98.4

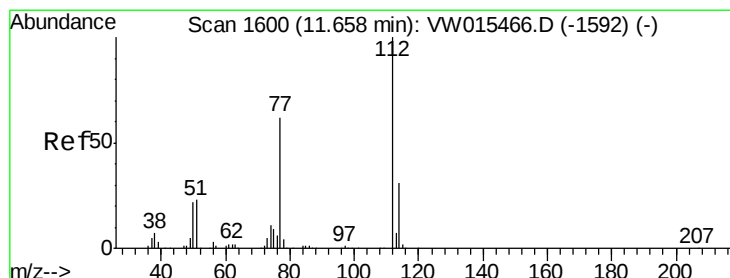
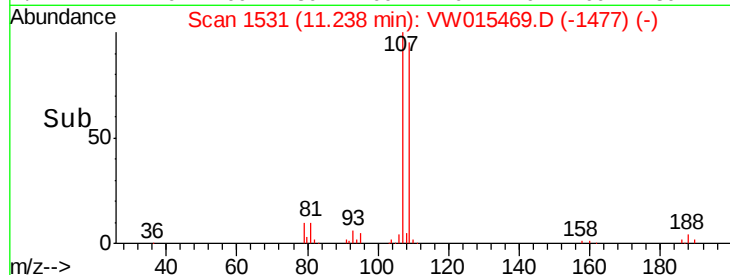
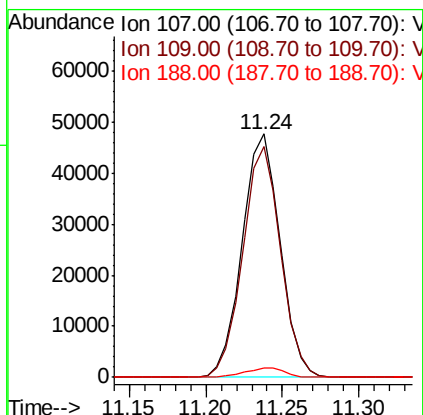
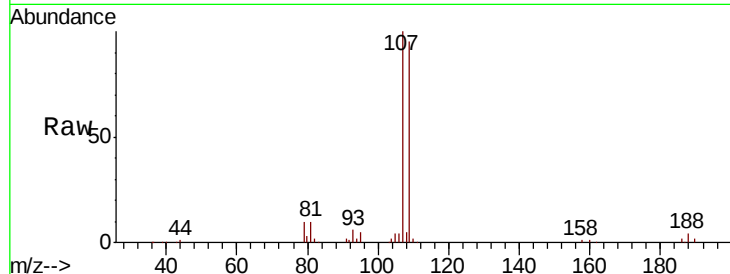




#51
1,2-Dibromoethane
Concen: 26.771 ug/L
RT: 11.24 min Scan# 1531
Delta R.T. 0.00 min
Lab File: VW015469.D
Acq: 26 May 2020 13:03

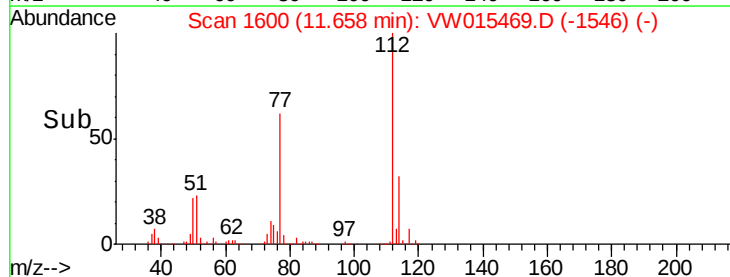
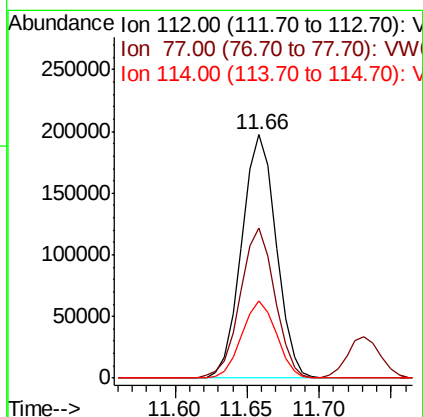
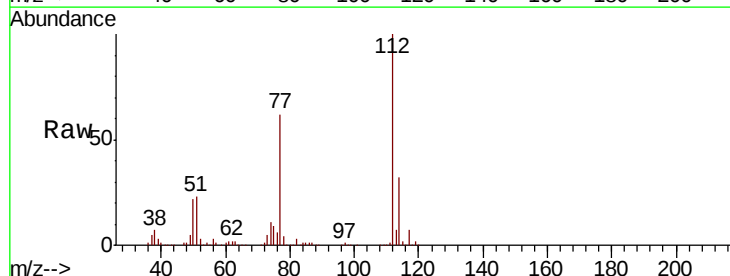
Instrument :
MSVOA_W
ClientSampleId :

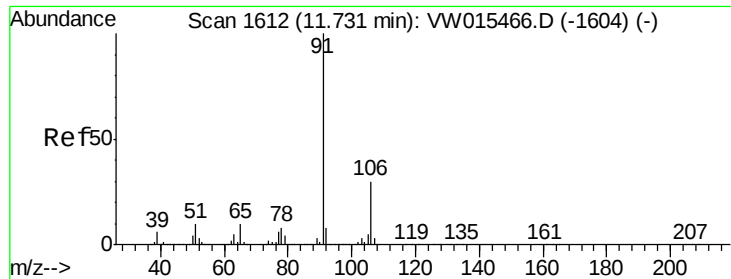
Tot Ion:107 Resp: 82538
Ion Ratio Lower Upper
107 100
109 94.7 64.6 120.0
188 3.7 2.8 4.2



#52
Chlorobenzene
Concen: 25.709 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW015469.D
Acq: 26 May 2020 13:03

Tgt Ion:112 Resp: 327487
Ion Ratio Lower Upper
112 100
77 61.6 49.7 74.5
114 31.8 21.8 40.6





#53

Ethylbenzene

Concen: 25.989 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW015469.D

Acq: 26 May 2020 13:03

Instrument :

MSVOA_W

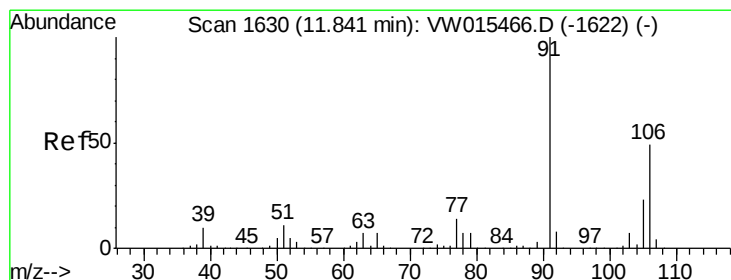
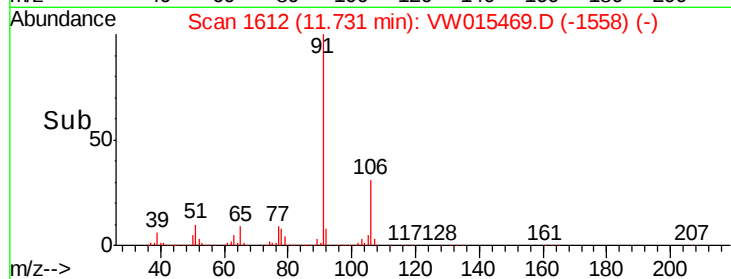
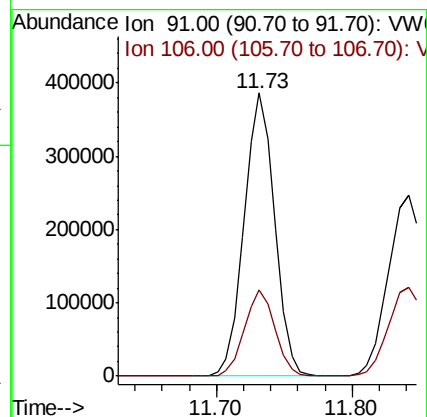
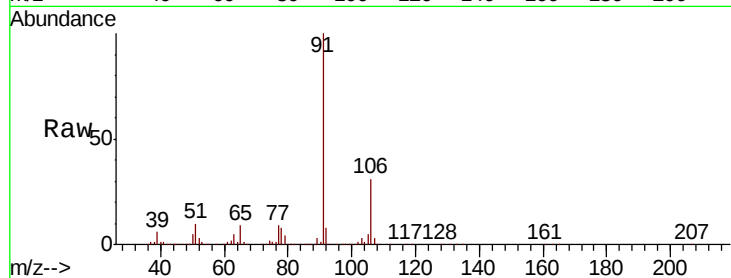
ClientSampleId :

Tot Ion: 91 Resp: 606048

Ion Ratio Lower Upper

91 100

106 30.7 21.3 39.6



#54

m,p-Xylene

Concen: 25.969 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VW015469.D

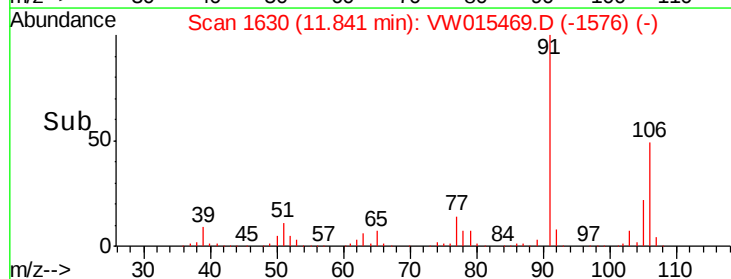
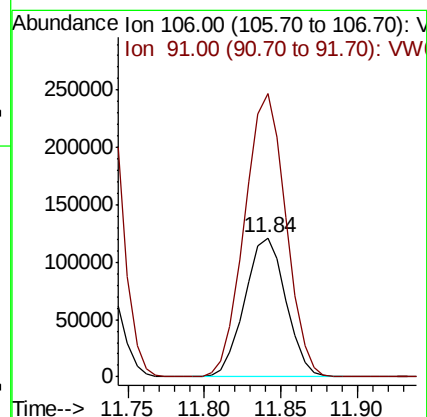
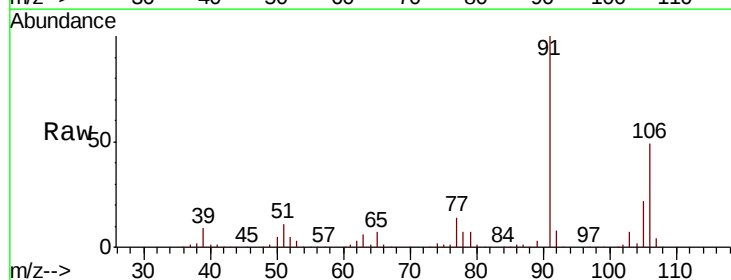
Acq: 26 May 2020 13:03

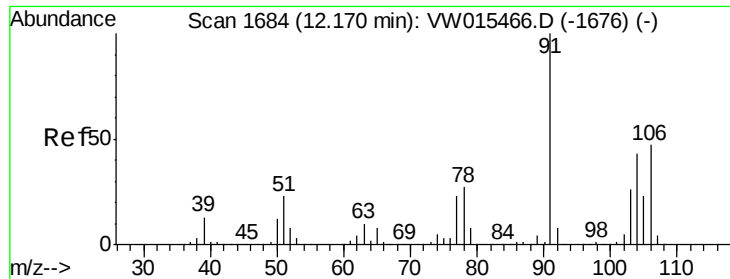
Tgt Ion: 106 Resp: 227234

Ion Ratio Lower Upper

106 100

91 203.7 142.6 264.8





#55

o-xylene

Concen: 25.953 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. -0.01 min

Lab File: VW015469.D

Acq: 26 May 2020 13:03

Instrument :

MSVOA_W

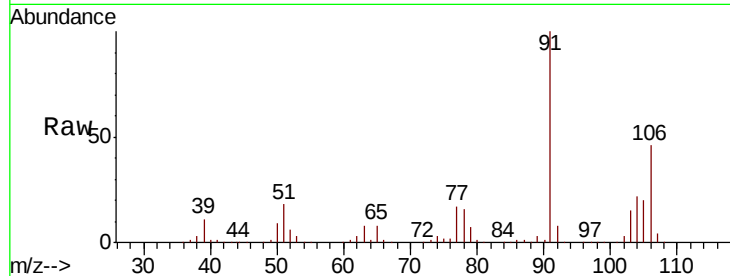
ClientSampleId :

Tot Ion:106 Resp: 215560

Ion Ratio Lower Upper

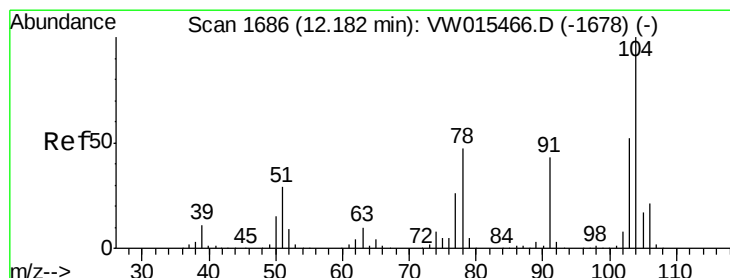
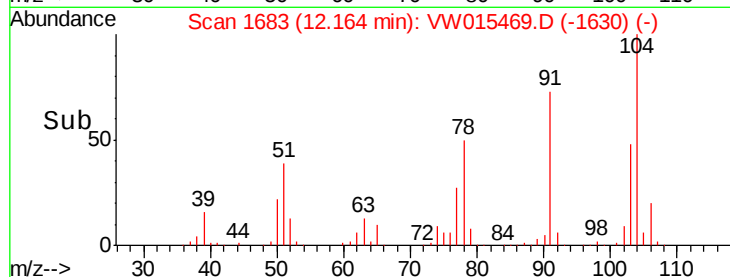
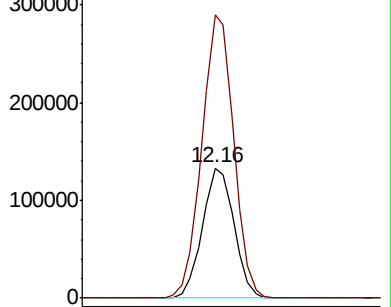
106 100

91 218.1 149.0 276.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 26.119 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VW015469.D

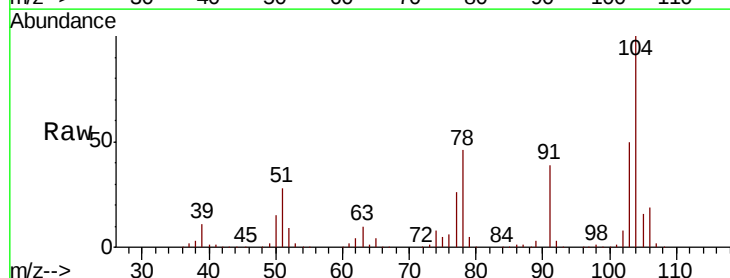
Acq: 26 May 2020 13:03

Tgt Ion:104 Resp: 370690

Ion Ratio Lower Upper

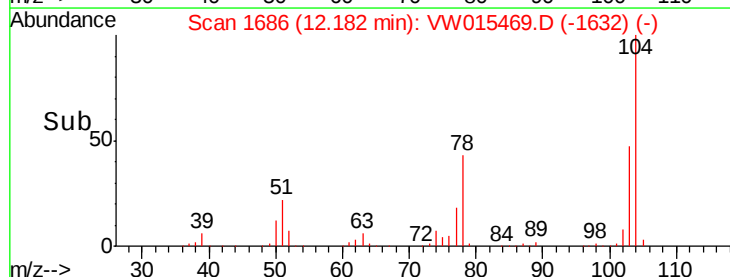
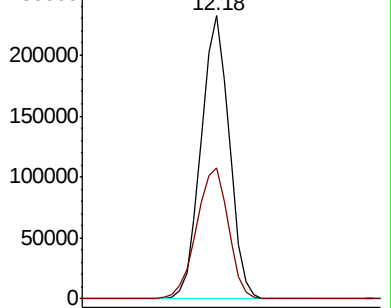
104 100

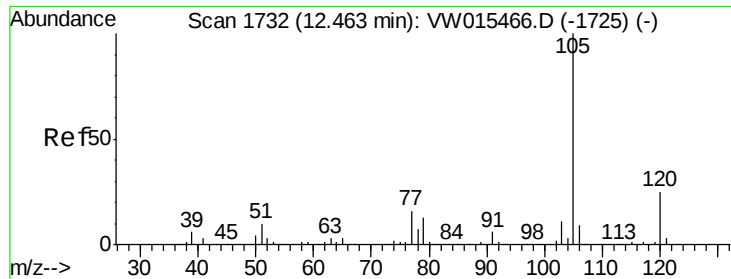
78 46.1 32.9 61.1



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 26.302 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW015469.D

Acq: 26 May 2020 13:03

Instrument :

MSVOA_W

ClientSampleId :

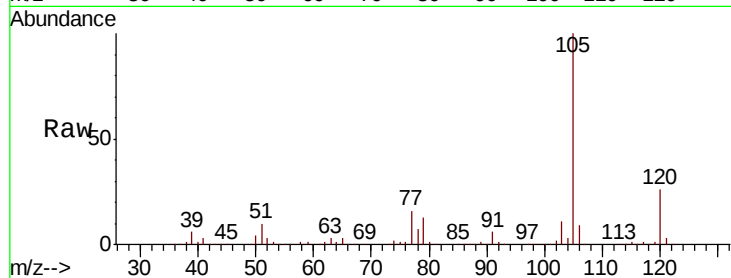
Tot Ion:105 Resp: 608561

Ion Ratio Lower Upper

105 100

120 26.1 21.0 31.4

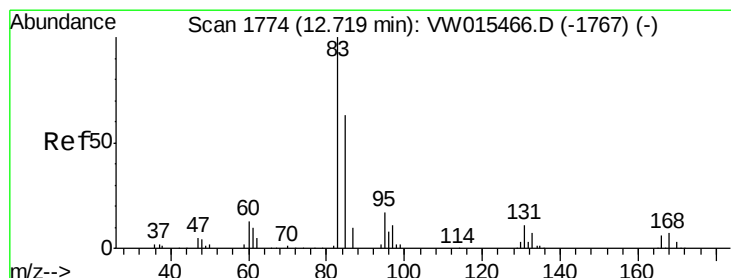
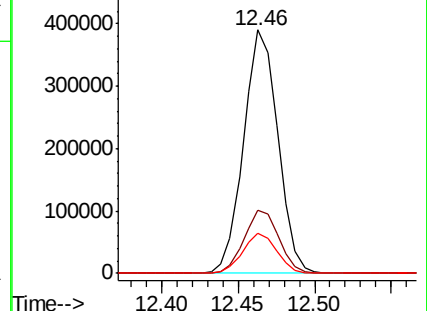
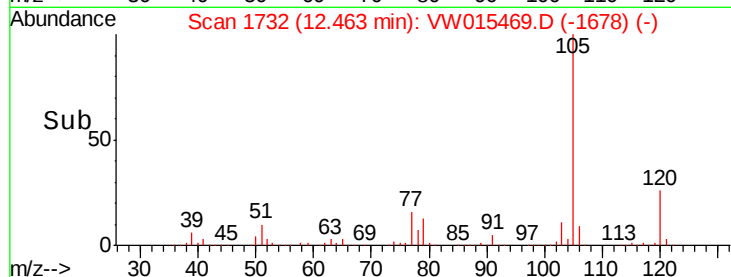
77 16.3 13.0 19.6



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: 27.340 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.01 min

Lab File: VW015469.D

Acq: 26 May 2020 13:03

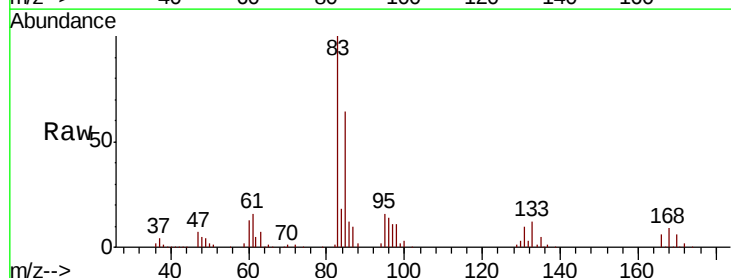
Tgt Ion: 83 Resp: 101648

Ion Ratio Lower Upper

83 100

85 64.4 44.7 82.9

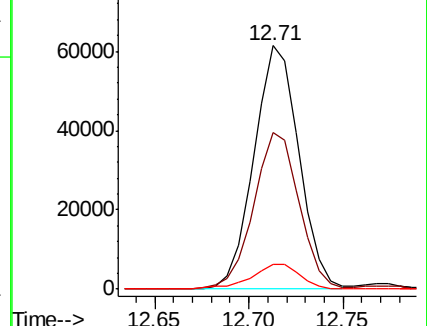
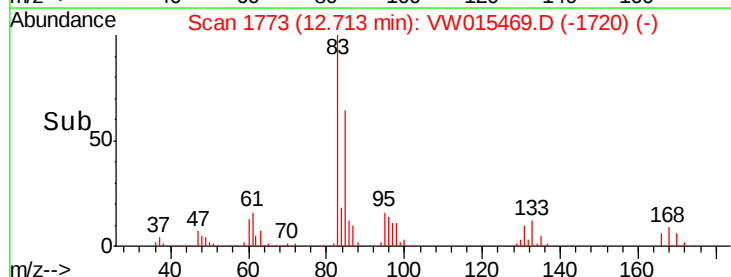
131 9.9 9.1 13.7

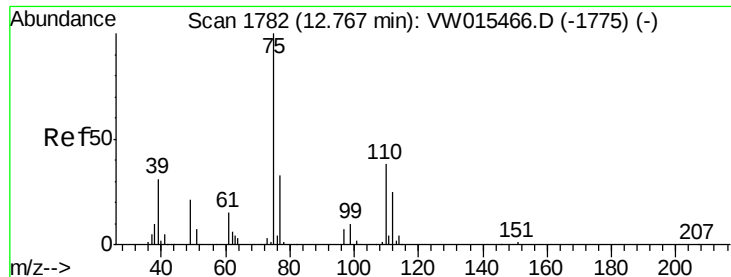


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 26.931 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW015469.D

Acq: 26 May 2020 13:03

Instrument :

MSVOA_W

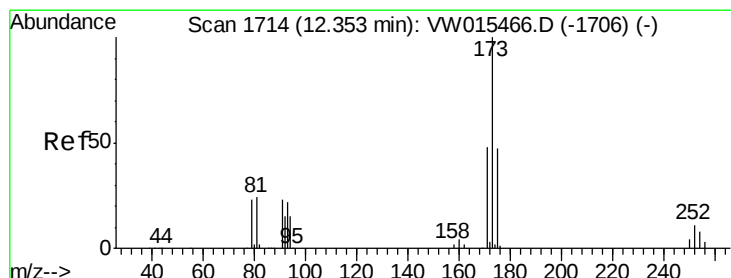
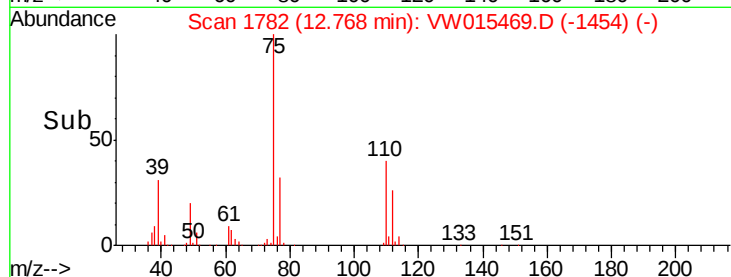
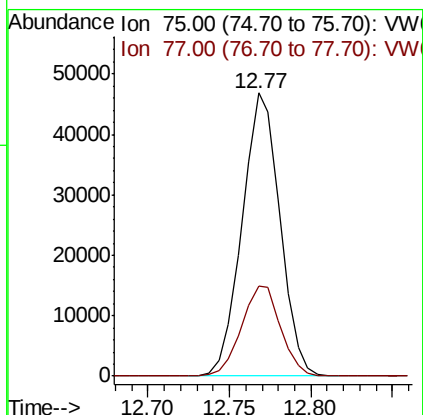
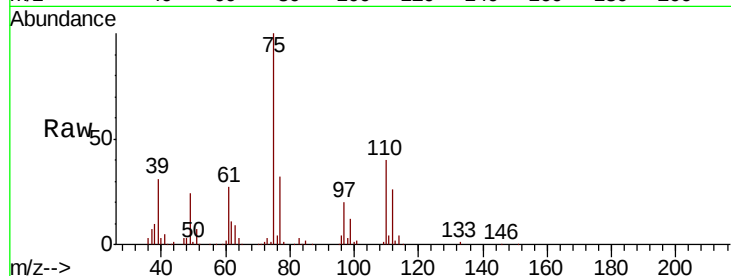
ClientSampled :

Tot Ion: 75 Resp: 75920

Ion Ratio Lower Upper

75 100

77 32.9 25.9 38.9



#62

Bromoform

Concen: 26.053 ug/L

RT: 12.35 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VW015469.D

Acq: 26 May 2020 13:03

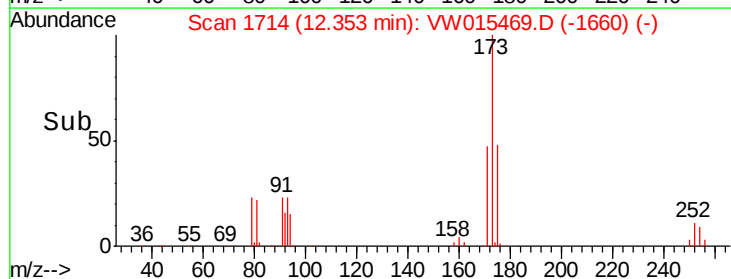
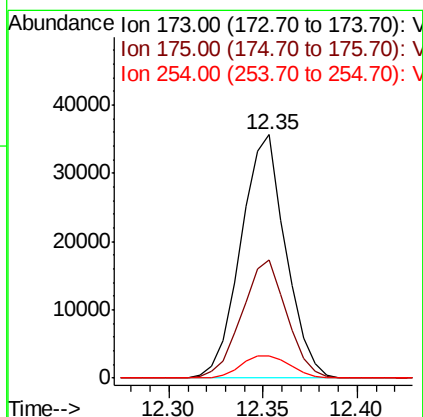
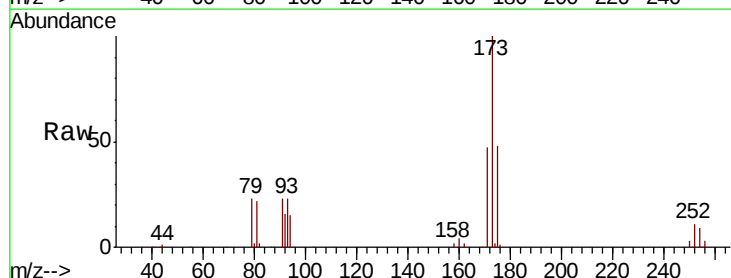
Tgt Ion: 173 Resp: 58770

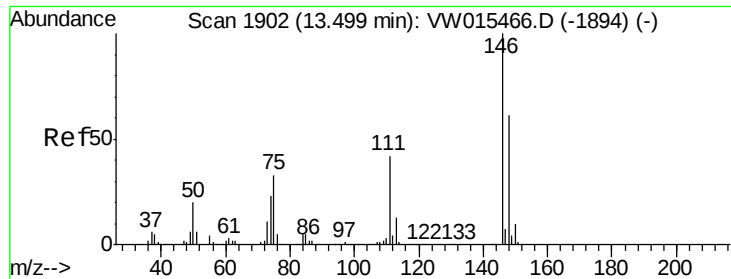
Ion Ratio Lower Upper

173 100

175 48.5 37.9 56.9

254 10.0 6.8 10.2

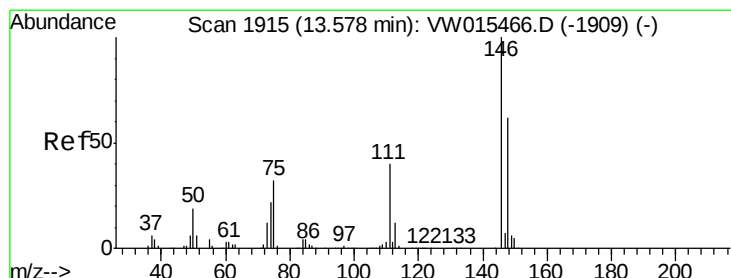
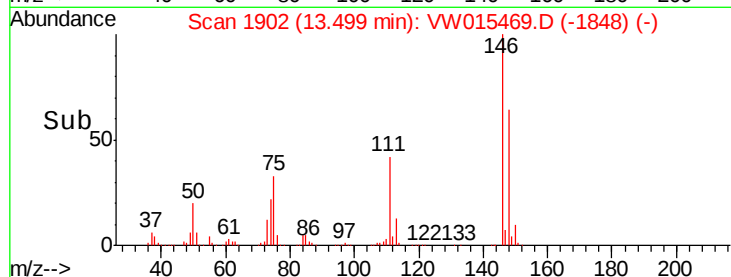
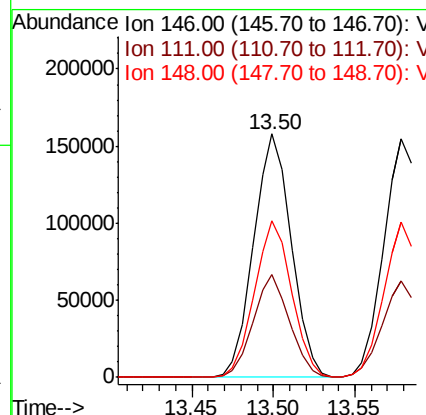
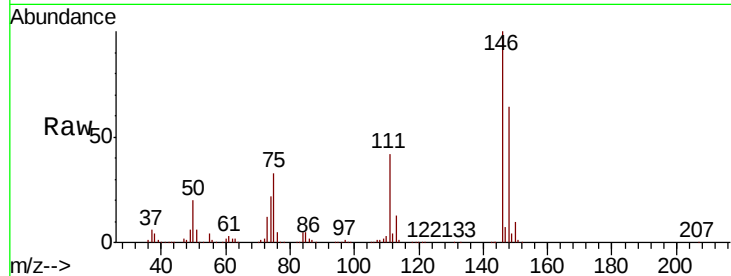




#63
 1,3-Dichlorobenzene
 Concen: 25.635 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW015469.D
 Acq: 26 May 2020 13:03

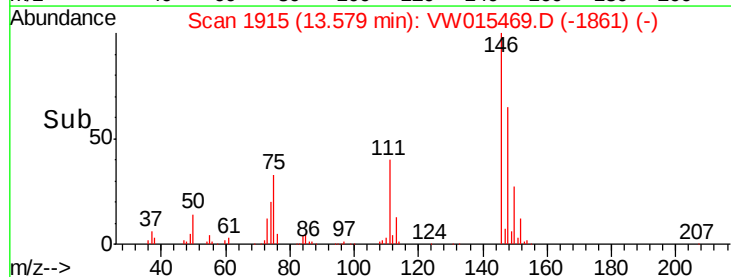
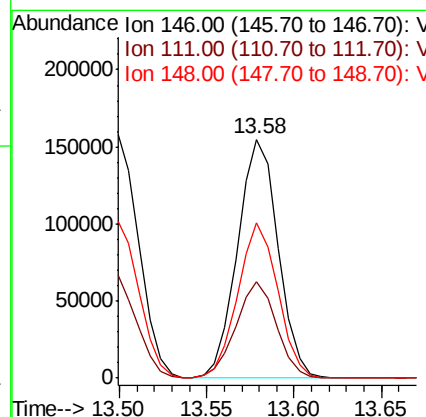
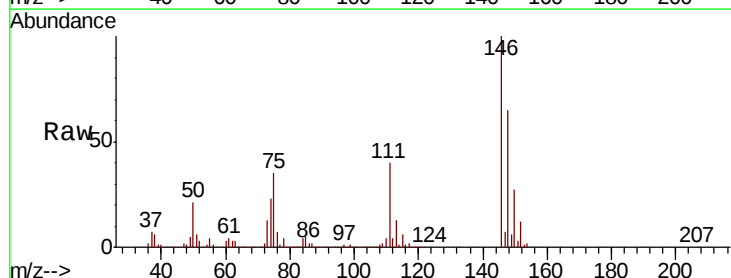
Instrument :
 MSVOA_W
 ClientSampleId :

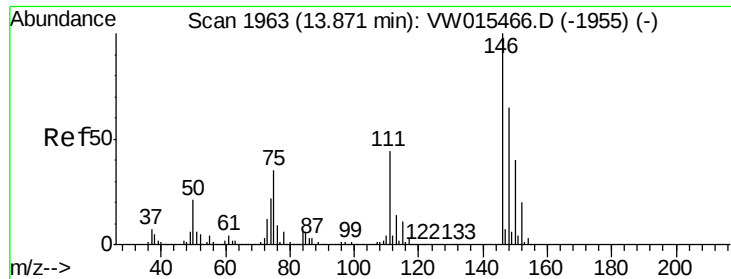
Tot Ion	Ratio	Lower	Upper
146	100		
111	42.2	29.3	54.5
148	64.3	42.5	78.9



#64
 1,4-Dichlorobenzene
 Concen: 25.687 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW015469.D
 Acq: 26 May 2020 13:03

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.1	28.1	52.1
148	65.0	43.3	80.3

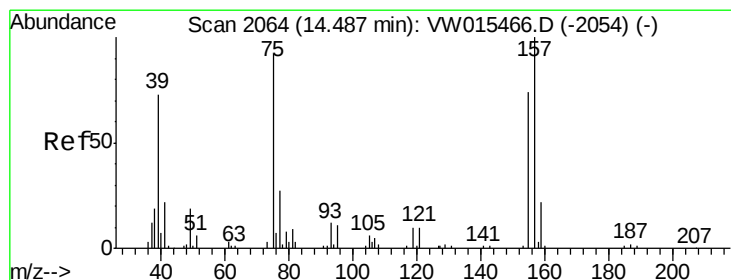
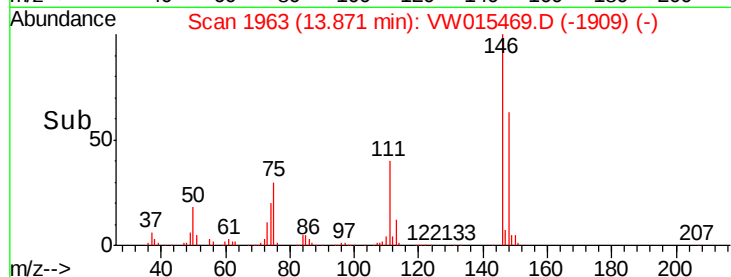
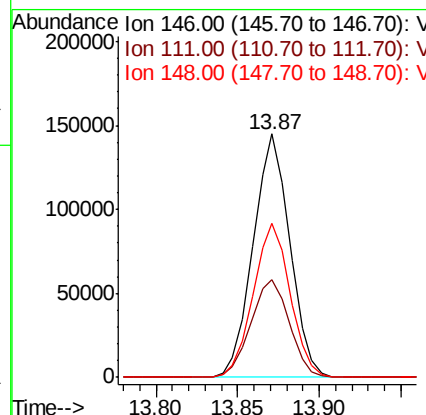
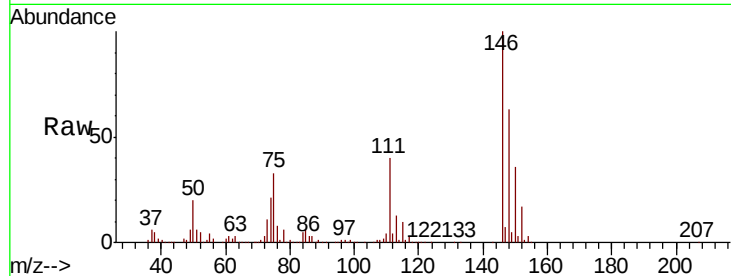




#65
 1,2-Dichlorobenzene
 Concen: 26.410 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW015469.D
 Acq: 26 May 2020 13:03

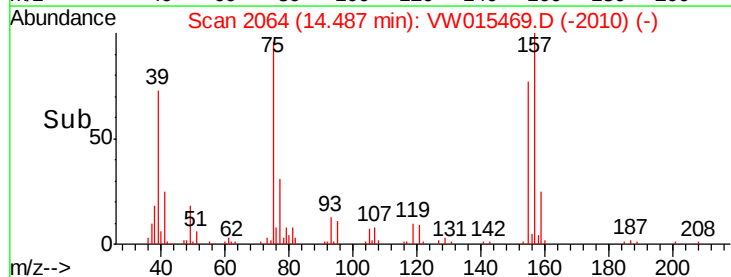
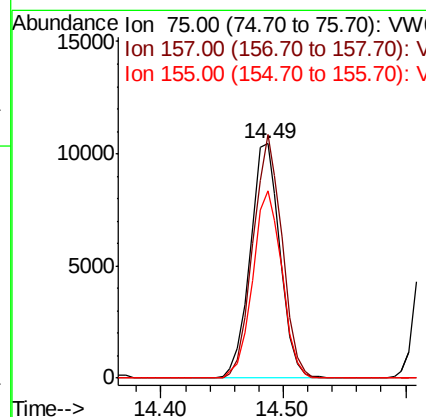
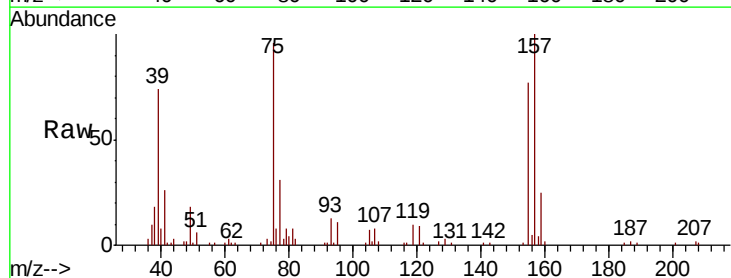
Instrument :
 MSVOA_W
 ClientSampleId :

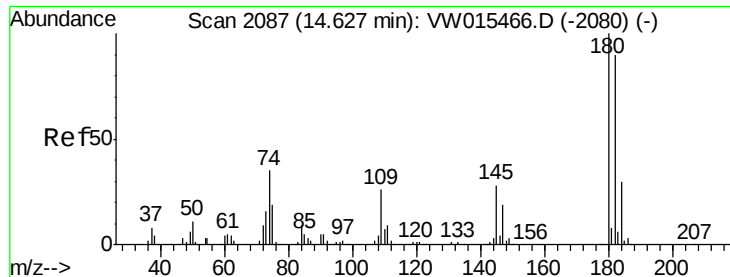
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.3	34.9	52.3
148	63.0	51.8	77.8



#66
 1,2-Dibromo-3-chloropropane
 Concen: 27.107 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW015469.D
 Acq: 26 May 2020 13:03

Tgt Ion	Ratio	Lower	Upper
75	100		
157	103.9	87.4	131.0
155	79.8	64.6	96.8

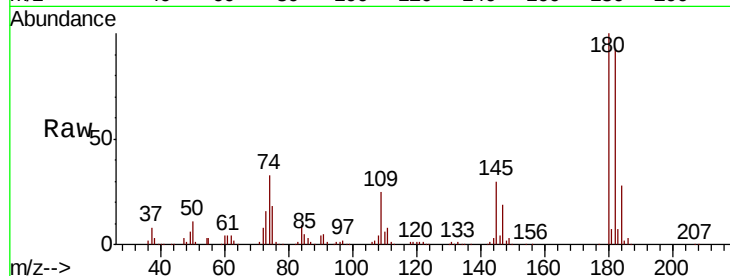




#67
 1,3,5-Trichlorobenzene
 Concen: 26.611 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. 0.00 min
 Lab File: VW015469.D
 Acq: 26 May 2020 13:03

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.2	76.6	114.8
184	29.5	24.4	36.6
145	30.6	24.0	36.0



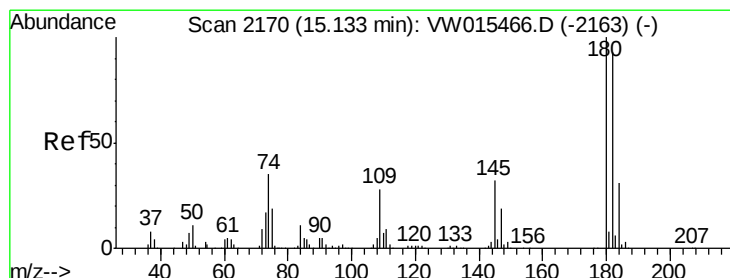
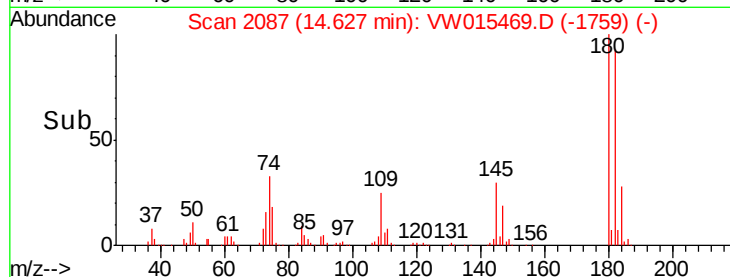
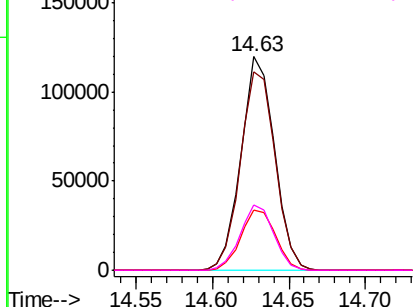
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

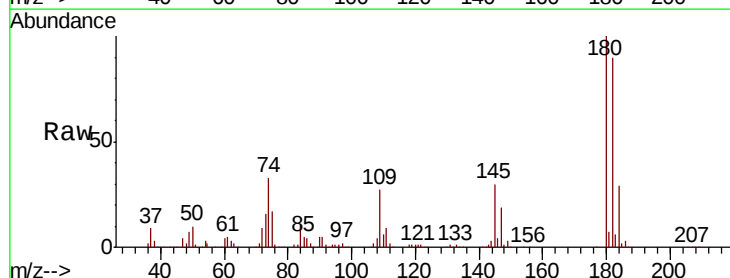
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 26.873 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW015469.D
 Acq: 26 May 2020 13:03

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.8	76.1	114.1
145	30.5	25.2	37.8

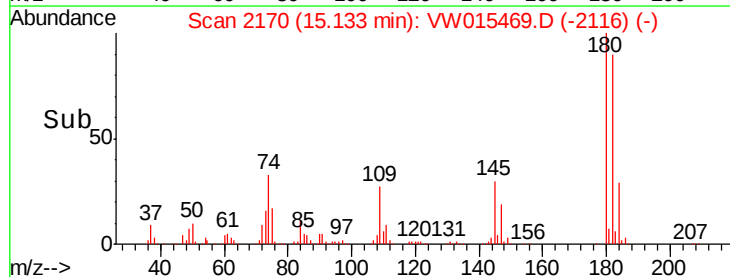
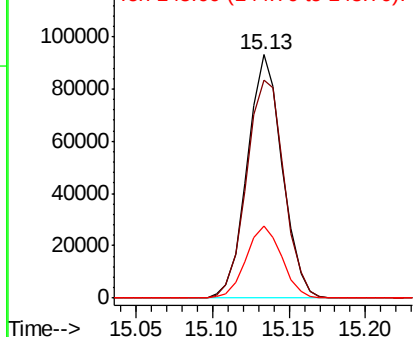


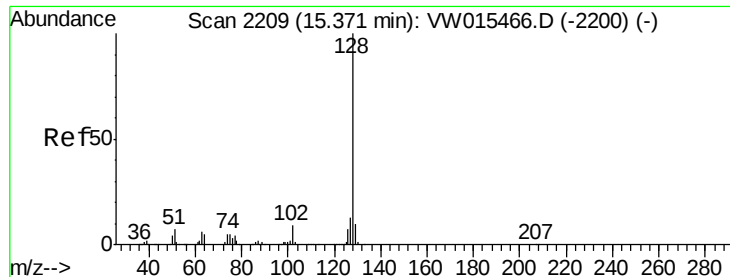
Abundance

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: 28.141 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW015469.D

Acq: 26 May 2020 13:03

Instrument :

MSVOA_W

ClientSampleId :

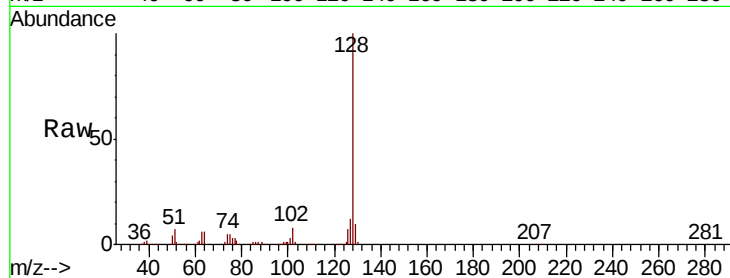
Tot Ion:128 Resp: 282273

Ion Ratio Lower Upper

128 100

129 10.5 8.6 12.8

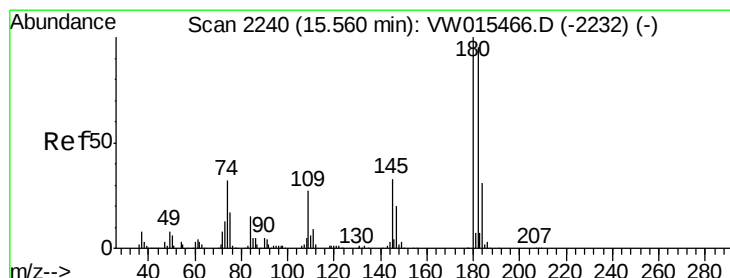
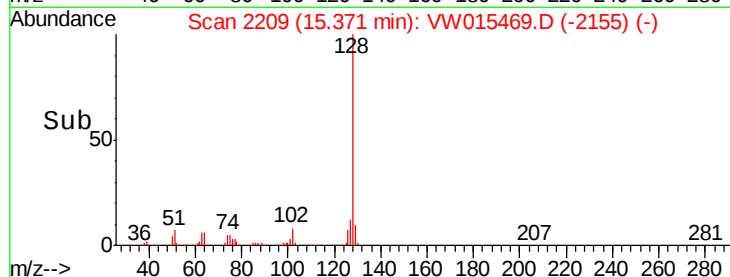
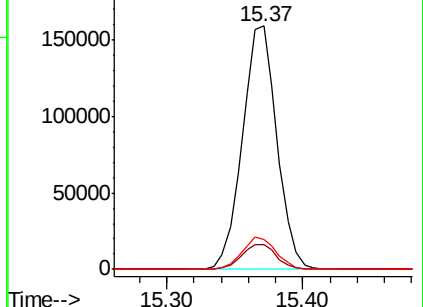
127 13.0 10.6 15.8



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: 27.527 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. 0.00 min

Lab File: VW015469.D

Acq: 26 May 2020 13:03

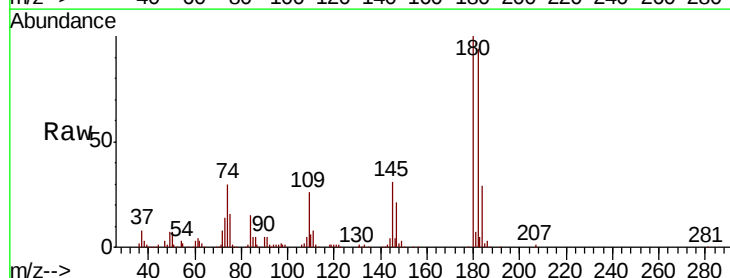
Tgt Ion:180 Resp: 129367

Ion Ratio Lower Upper

180 100

182 95.1 75.4 113.2

145 32.4 26.7 40.1



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

