

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW052720\
 Data File : VW015493.D
 Acq On : 27 May 2020 09:25
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10.0mL/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02507

Quant Time: May 28 01:48:25 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM052620S.M
 Quant Title : VOC Analysis
 QLast Update : Wed May 27 16:28:04 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	361811	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	333707	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	163075	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	74512	22.47	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	89.88%
7) Chloroethane-d5	2.90	69	79213	24.02	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	96.08%
10) 1,1-Dichloroethene-d2	4.02	63	181315	22.44	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	89.76%
20) 2-Butanone-d5	7.08	46	56327	52.03	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	104.06%
24) Chloroform-d	7.65	84	197699	23.63	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	94.52%
26) 1,2-Dichloroethane-d4	8.31	65	112086	24.08	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	96.32%
29) Benzene-d6	8.27	84	368606	22.52	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	90.08%
33) 1,2-Dichloropropane-d6	9.27	67	114162	22.95	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	91.80%
37) Toluene-d8	10.32	98	349966	22.00	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	88.00%
38) trans-1,3-Dichloropropene-	10.58	79	52542	22.84	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	91.36%
39) 2-Hexanone-d5	10.93	63	45507	52.85	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	105.70%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	97201	25.96	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	103.84%
61) 1,2-Dichlorobenzene-d4	13.85	152	126919	23.22	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	92.88%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.01	85	86466	27.051	ug/L 98
3) Chloromethane	2.21	50	87431	24.848	ug/L 99
5) Vinyl chloride	2.37	62	131489	24.849	ug/L 99
6) Bromomethane	2.78	94	85894	24.974	ug/L 99
8) Chloroethane	2.93	64	81935	25.437	ug/L 96
9) Trichlorofluoromethane	3.26	101	95489	25.357	ug/L 97
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	107048	23.968	ug/L 100
12) 1,1-Dichloroethene	4.04	96	104715	24.272	ug/L 91
13) Acetone	4.13	43	47905	57.244	ug/L 99
14) Carbon disulfide	4.38	76	340052	23.627	ug/L 99
15) Methyl Acetate	4.68	43	47686	26.338	ug/L 99
16) Methylene chloride	4.92	84	104127	23.449	ug/L 99
17) Methyl tert-butyl Ether	5.43	73	168810	24.657	ug/L 99
18) trans-1,2-Dichloroethene	5.42	96	111619	24.142	ug/L 100
19) 1,1-Dichloroethane	6.21	63	202357	24.333	ug/L 99
21) 2-Butanone	7.18	43	66307	51.578	ug/L 100
22) cis-1,2-Dichloroethene	7.17	96	116158	24.083	ug/L 98

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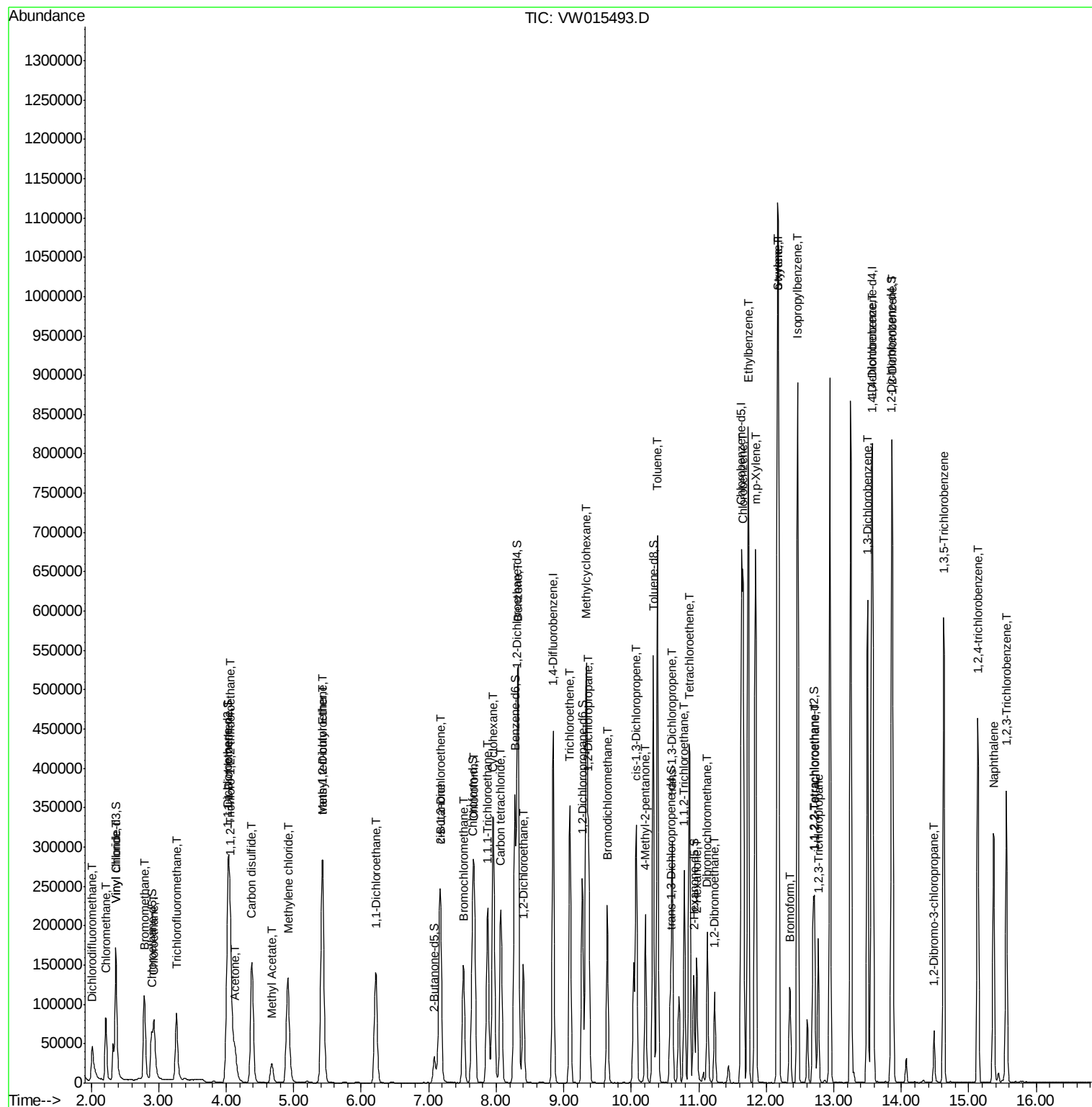
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	50856	24.452	ug/L	96
25) Chloroform	7.68	83	204583	24.432	ug/L	100
27) 1,2-Dichloroethane	8.40	62	140923	24.877	ug/L	100
30) Cyclohexane	7.95	56	194318	23.557	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	178456	23.904	ug/L	100
32) Carbon tetrachloride	8.07	117	162725	23.765	ug/L	100
34) Benzene	8.32	78	448743	24.046	ug/L	100
35) Trichloroethene	9.09	95	118498	23.639	ug/L	99
36) Methylcyclohexane	9.34	83	215245	24.075	ug/L	99
40) 1,2-Dichloropropane	9.37	63	110527	24.050	ug/L	99
41) Bromodichloromethane	9.65	83	147148	23.967	ug/L	100
42) cis-1,3-Dichloropropene	10.07	75	177792	24.175	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	138673	51.476	ug/L	99
44) Toluene	10.39	91	494018	24.298	ug/L	98
45) trans-1,3-Dichloropropene	10.60	75	157138	24.553	ug/L	97
46) 1,1,2-Trichloroethane	10.79	97	80420	25.013	ug/L	98
47) Tetrachloroethene	10.87	164	96868	24.378	ug/L	96
49) 2-Hexanone	10.97	43	97681	53.719	ug/L	100
50) Dibromochloromethane	11.13	129	95378	24.417	ug/L	95
51) 1,2-Dibromoethane	11.24	107	77268	25.033	ug/L	97
52) Chlorobenzene	11.66	112	306313	24.019	ug/L	97
53) Ethylbenzene	11.73	91	562834	24.108	ug/L	99
54) m,p-Xylene	11.84	106	213102	24.325	ug/L	99
55) o-xylene	12.16	106	203196	24.436	ug/L	98
56) Styrene	12.18	104	346398	24.379	ug/L	99
57) Isopropylbenzene	12.46	105	571336	24.665	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	97869	26.293	ug/L	97
59) 1,2,3-Trichloropropane	12.77	75	73797	26.147	ug/L	99
62) Bromoform	12.35	173	55558	24.452	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	238652	23.916	ug/L	96
64) 1,4-Dichlorobenzene	13.58	146	240592	24.606	ug/L	98
65) 1,2-Dichlorobenzene	13.87	146	217429	25.073	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.49	75	16434	24.982	ug/L	94
67) 1,3,5-Trichlorobenzene	14.63	180	169285	24.503	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	143758	25.836	ug/L	99
69) Naphthalene	15.37	128	272764	26.997	ug/L	99
70) 1,2,3-Trichlorobenzene	15.56	180	126057	26.629	ug/L	99

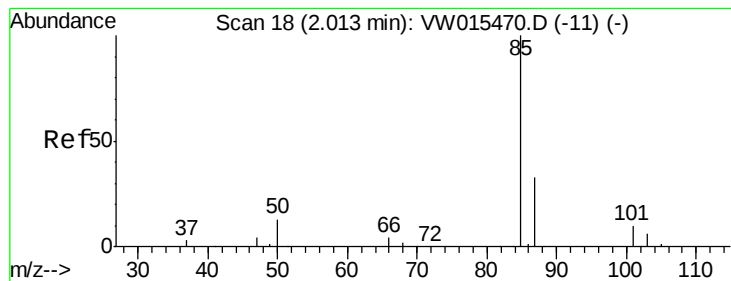
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 27.051 ug/L

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW015493.D

Acq: 27 May 2020 09:25

Instrument :

MSVOA_W

ClientSampleId :

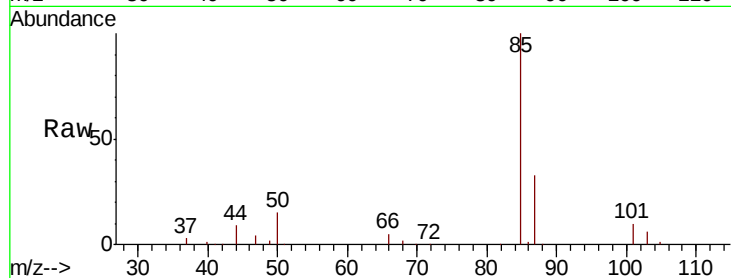
VSTD02507

Tot Ion: 85 Resp: 86466

Ion Ratio Lower Upper

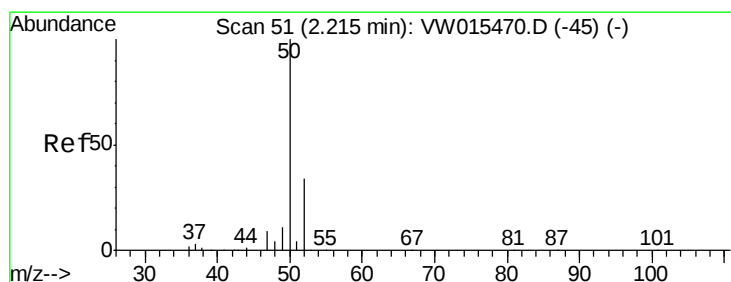
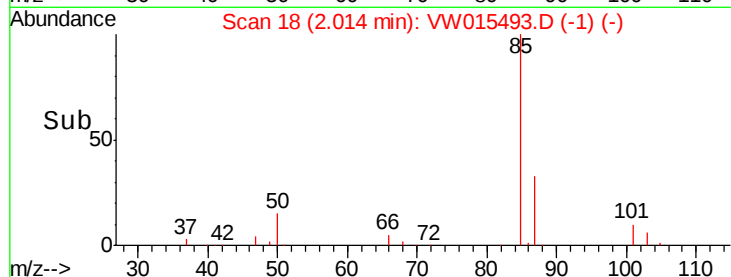
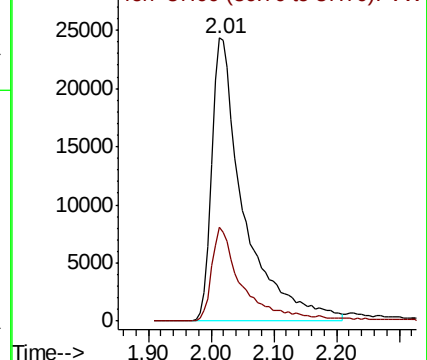
85 100

87 29.1 21.1 39.1



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 24.848 ug/L

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW015493.D

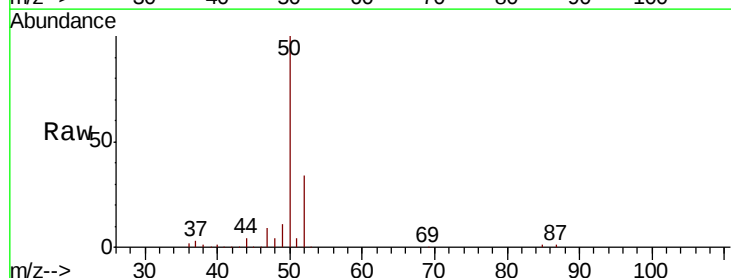
Acq: 27 May 2020 09:25

Tgt Ion: 50 Resp: 87431

Ion Ratio Lower Upper

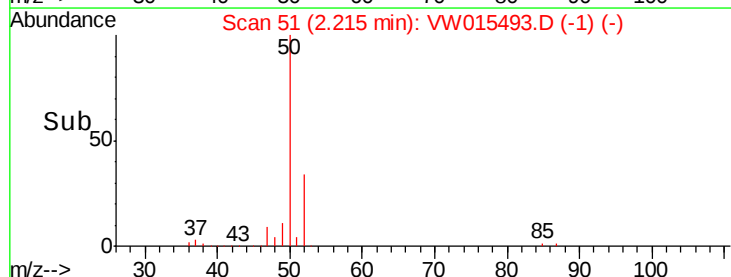
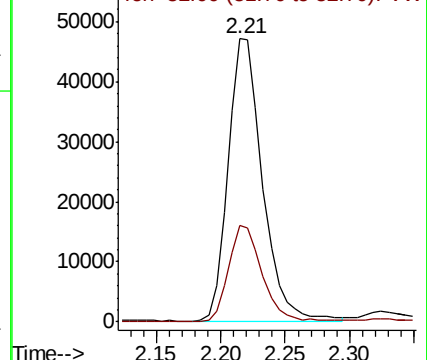
50 100

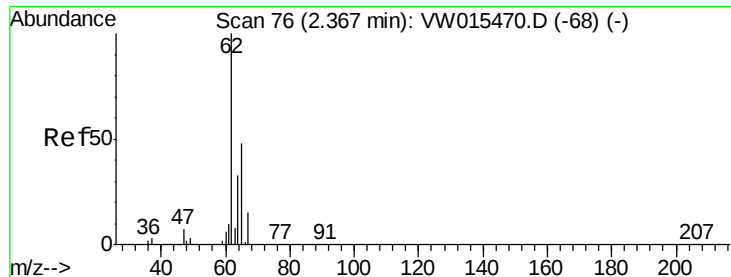
52 33.9 23.3 43.3



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 24.849 ug/L

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW015493.D

Acq: 27 May 2020 09:25

Instrument :

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ClientSampleId :

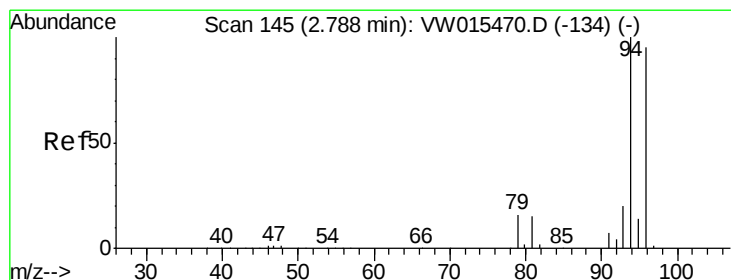
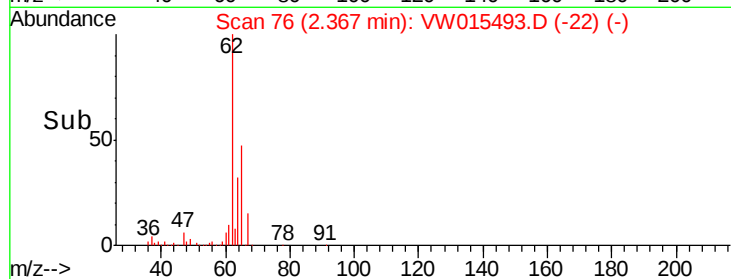
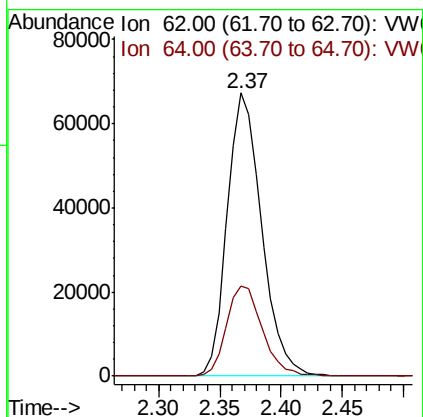
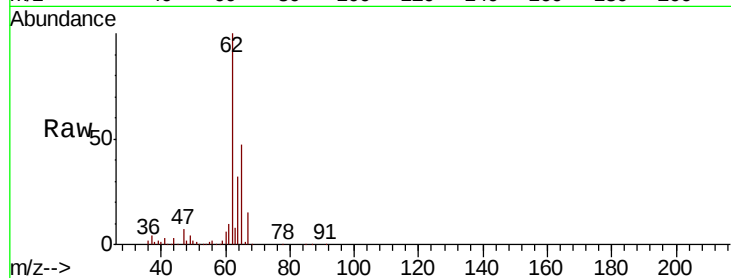
VSTD02507

Tot Ion: 62 Resp: 131489

Ion Ratio Lower Upper

62 100

64 32.0 22.6 42.0



#6

Bromomethane

Concen: 24.974 ug/L

RT: 2.78 min Scan# 144

Delta R.T. -0.01 min

Lab File: VW015493.D

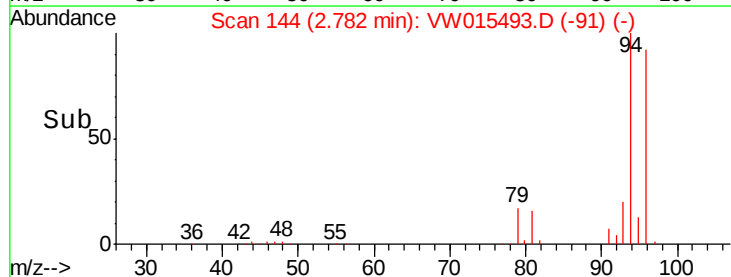
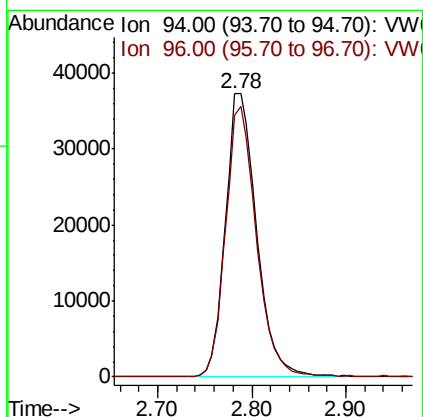
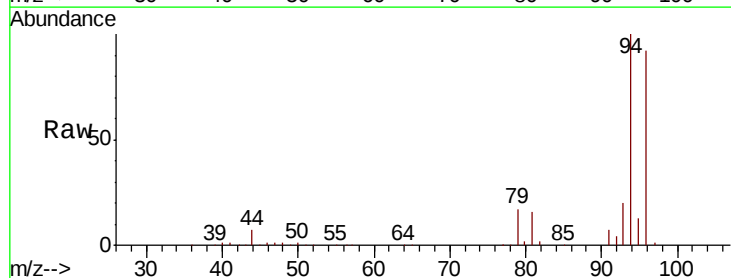
Acq: 27 May 2020 09:25

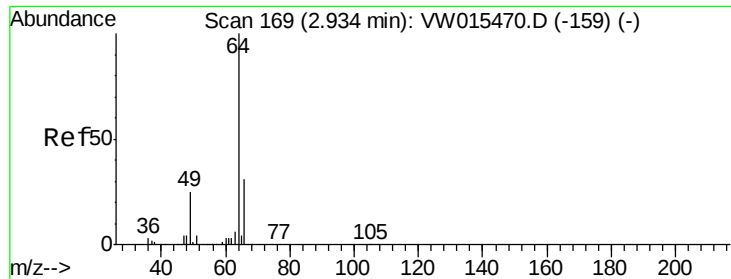
Tgt Ion: 94 Resp: 85894

Ion Ratio Lower Upper

94 100

96 94.3 9.3 177.5

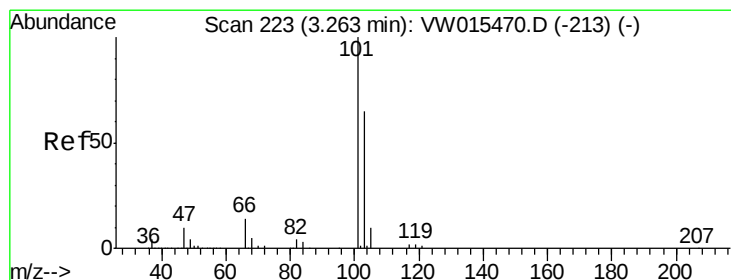
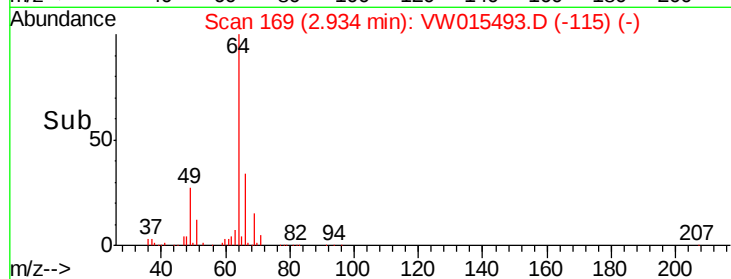
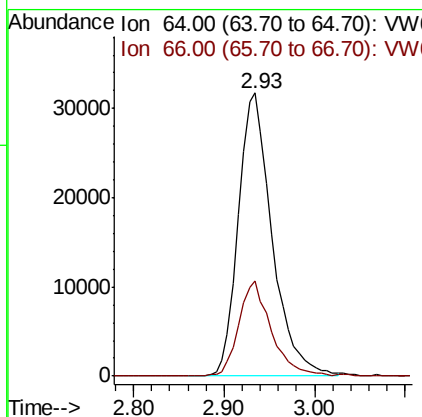
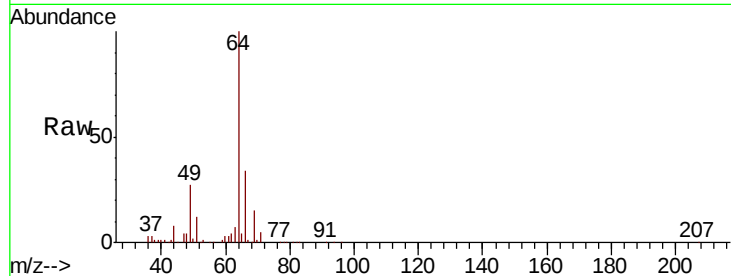




#8
Chloroethane
Concen: 25.437 ug/L
RT: 2.93 min Scan# 169
Delta R.T. 0.00 min
Lab File: VW015493.D
Acq: 27 May 2020 09:25

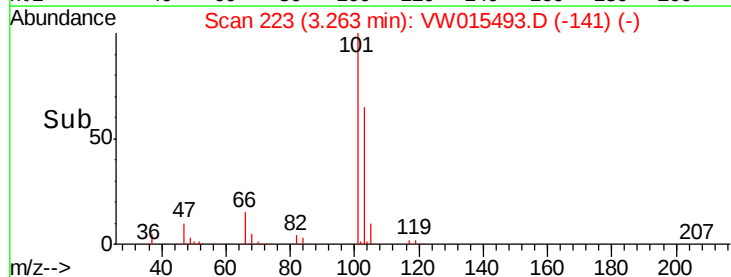
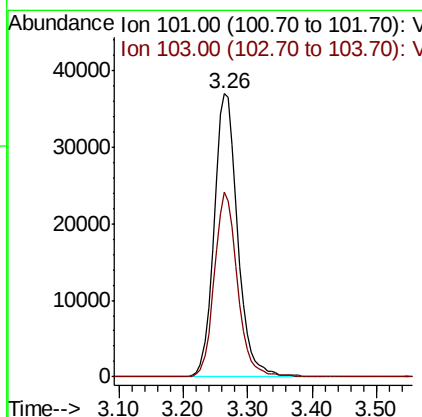
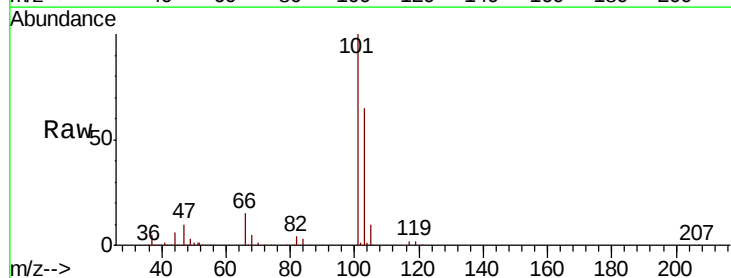
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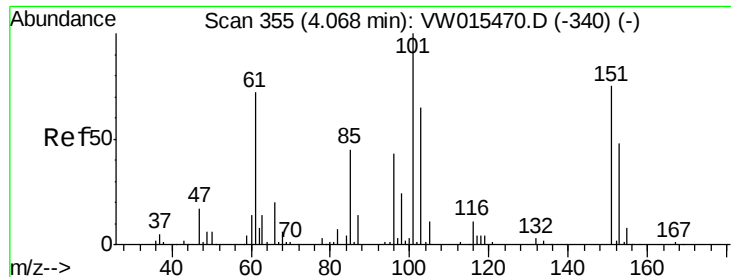
Tot Ion: 64 Resp: 81935
Ion Ratio Lower Upper
64 100
66 33.7 22.0 40.8



#9
Trichlorofluoromethane
Concen: 25.357 ug/L
RT: 3.26 min Scan# 223
Delta R.T. 0.00 min
Lab File: VW015493.D
Acq: 27 May 2020 09:25

Tgt Ion:101 Resp: 95489
Ion Ratio Lower Upper
101 100
103 63.9 46.6 86.6





#11

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

Concen: 23.968 ug/L

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW015493.D

Acq: 27 May 2020 09:25

Instrument :

MSVOA_W

ClientSampleId :

VSTD02507

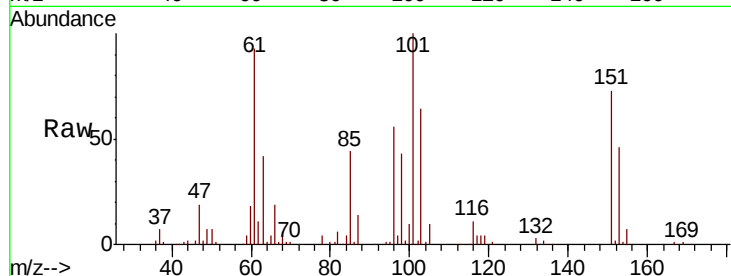
Tot Ion:101 Resp: 107048

Ion Ratio Lower Upper

101 100

85 43.7 35.1 52.7

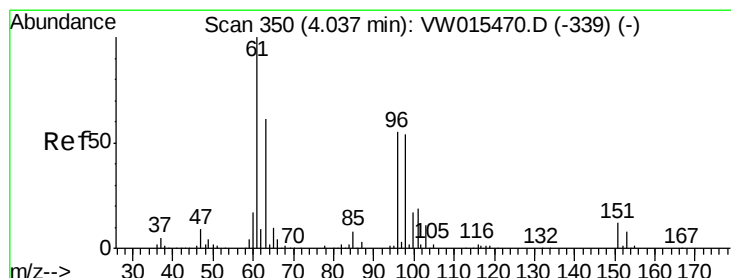
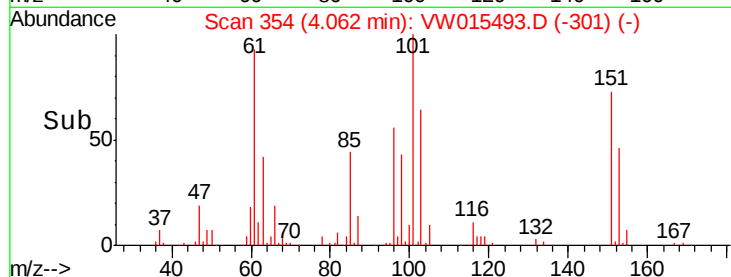
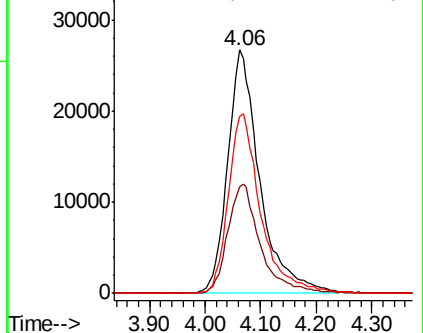
151 72.9 58.6 87.8



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: 24.272 ug/L

RT: 4.04 min Scan# 350

Delta R.T. 0.00 min

Lab File: VW015493.D

Acq: 27 May 2020 09:25

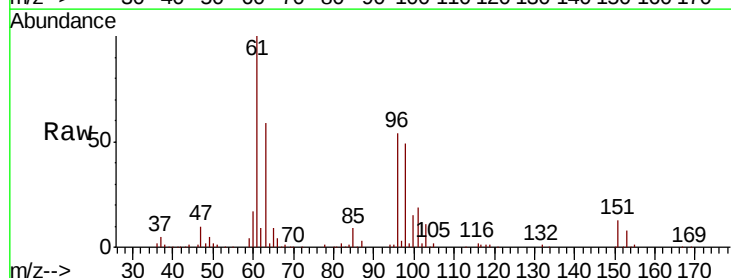
Tgt Ion: 96 Resp: 104715

Ion Ratio Lower Upper

96 100

61 185.5 127.7 237.1

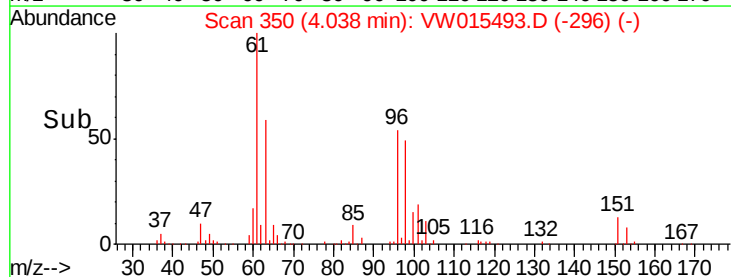
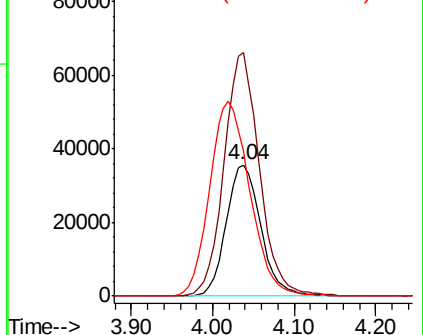
63 110.2 92.3 171.5

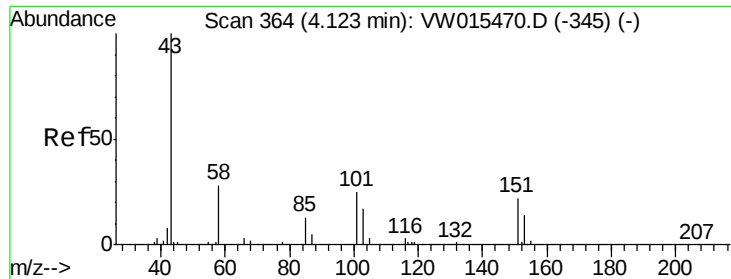


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW

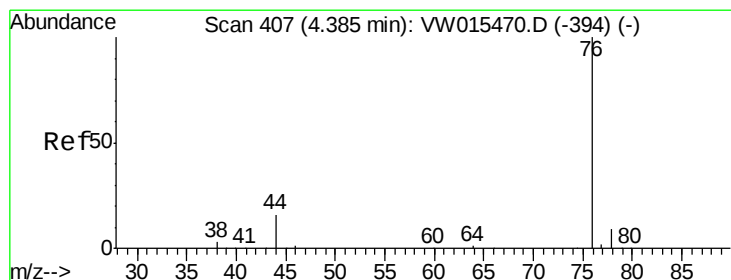
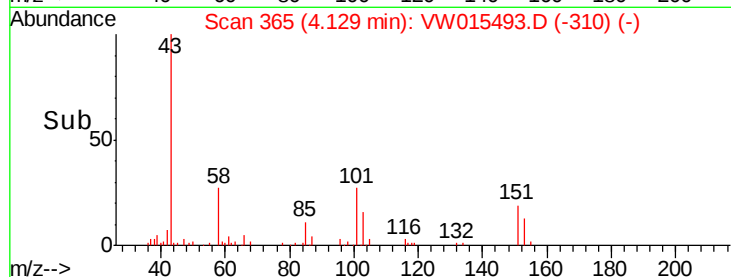
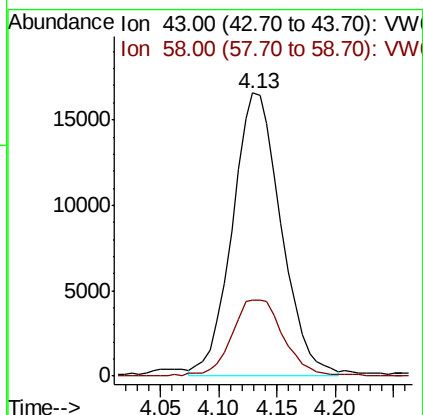
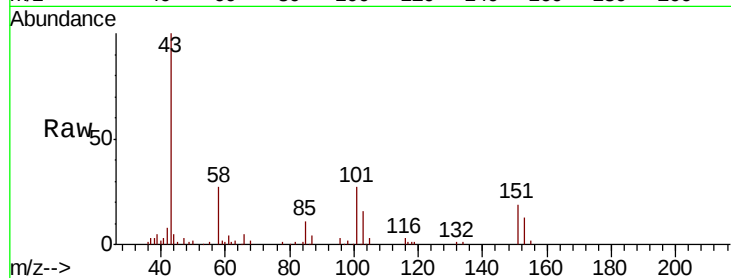




#13
Acetone
Concen: 57.244 ug/L
RT: 4.13 min Scan# 365
Delta R.T. 0.01 min
Lab File: VW015493.D
Acq: 27 May 2020 09:25

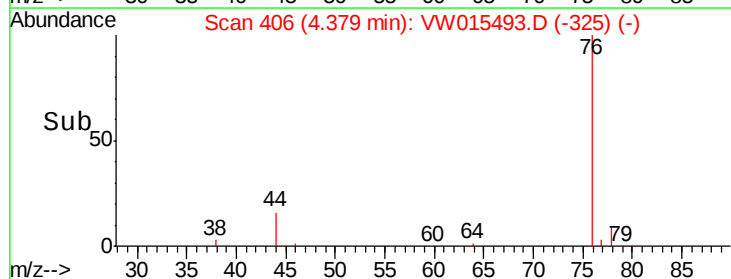
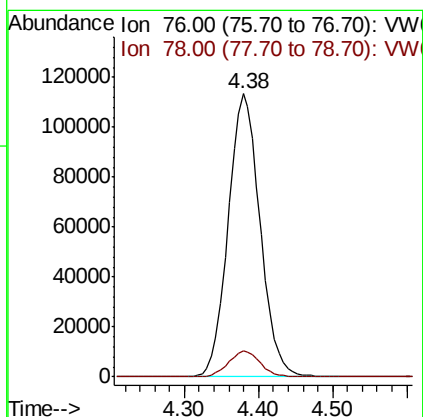
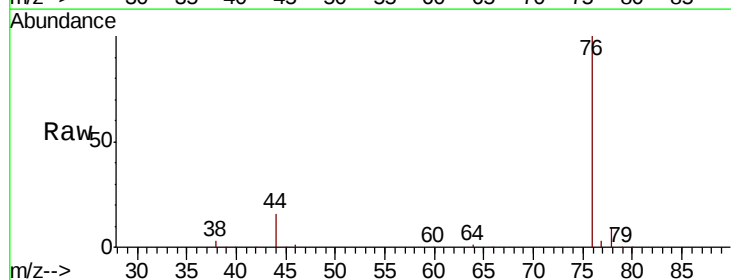
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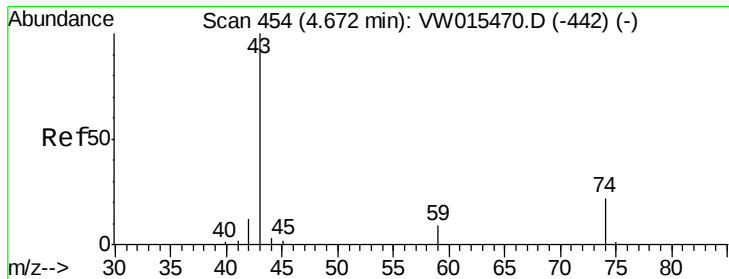
Tot Ion: 43 Resp: 47905
Ion Ratio Lower Upper
43 100
58 28.7 0.0 56.8



#14
Carbon disulfide
Concen: 23.627 ug/L
RT: 4.38 min Scan# 406
Delta R.T. -0.01 min
Lab File: VW015493.D
Acq: 27 May 2020 09:25

Tgt Ion: 76 Resp: 340052
Ion Ratio Lower Upper
76 100
78 9.3 7.3 10.9





#15

Methvl Acetate

Concen: 26.338 ug/L

RT: 4.68 min Scan# 455

Delta R.T. 0.01 min

Lab File: VW015493.D

Acq: 27 May 2020 09:25

Instrument :

MSVOA_W

ClientSampleId :

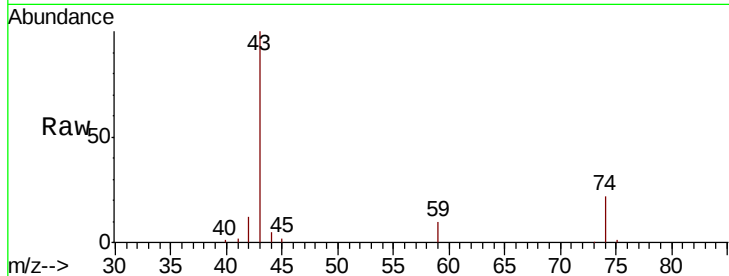
VSTD02507

Tot Ion: 43 Resp: 47686

Ion Ratio Lower Upper

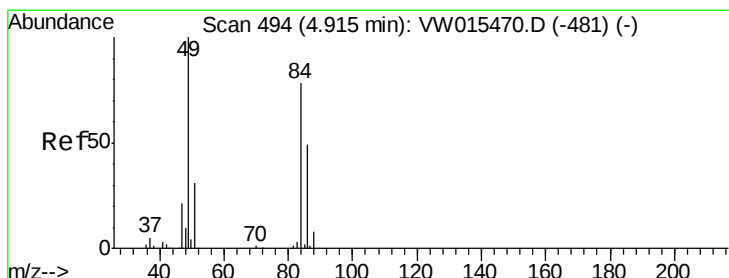
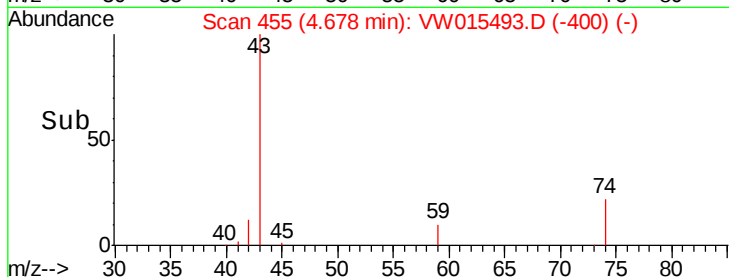
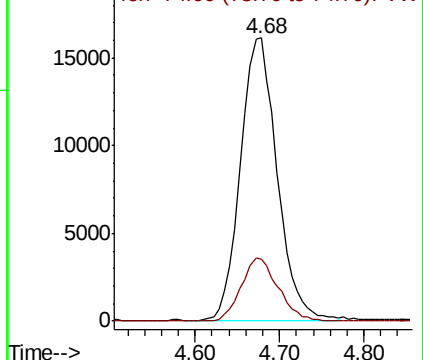
43 100

74 22.3 18.2 27.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW



#16

Methylene chloride

Concen: 23.449 ug/L

RT: 4.92 min Scan# 494

Delta R.T. 0.00 min

Lab File: VW015493.D

Acq: 27 May 2020 09:25

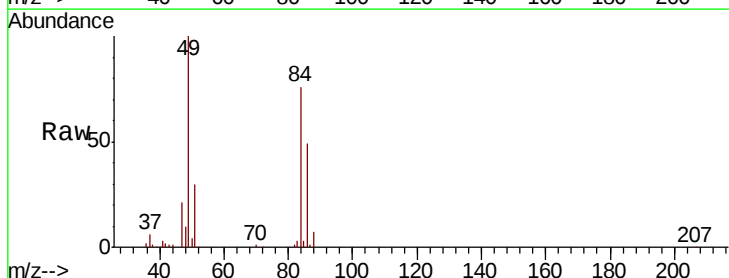
Tgt Ion: 84 Resp: 104127

Ion Ratio Lower Upper

84 100

49 130.8 93.0 172.8

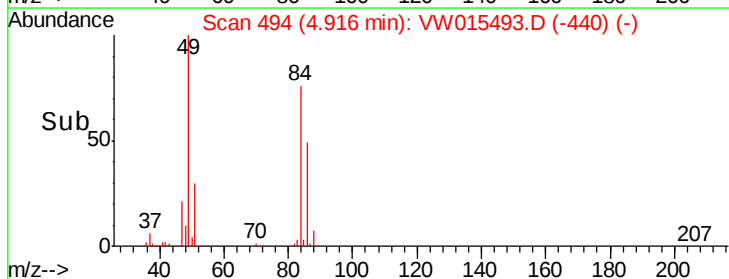
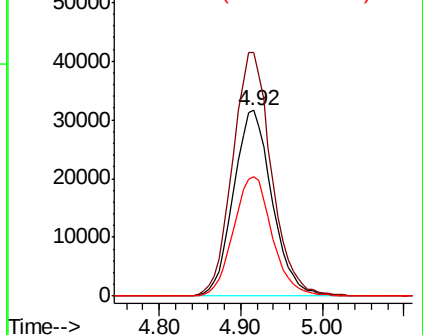
86 64.2 44.7 83.1

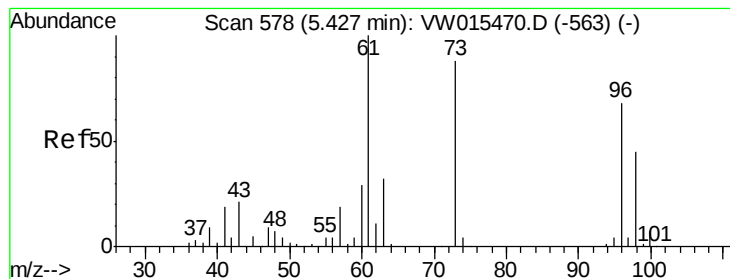


Abundance Ion 84.00 (83.70 to 84.70): VW

Ion 49.00 (48.70 to 49.70): VW

Ion 86.00 (85.70 to 86.70): VW



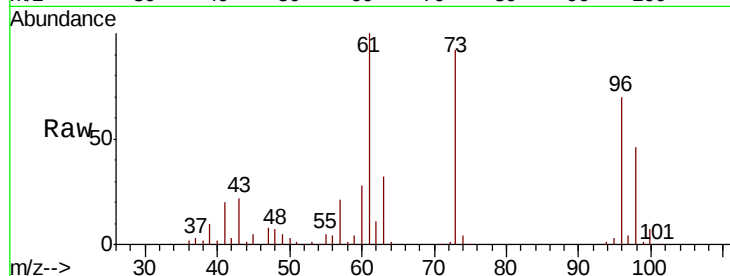


#17

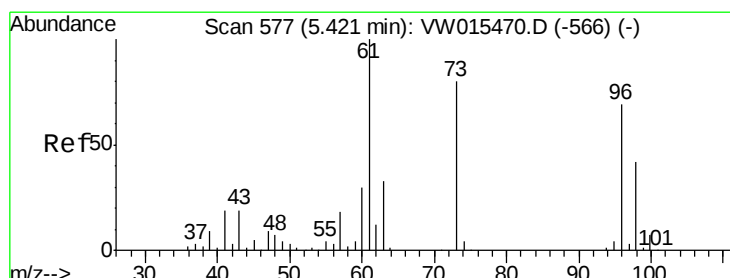
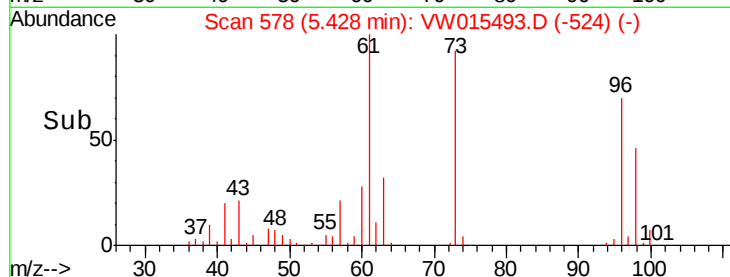
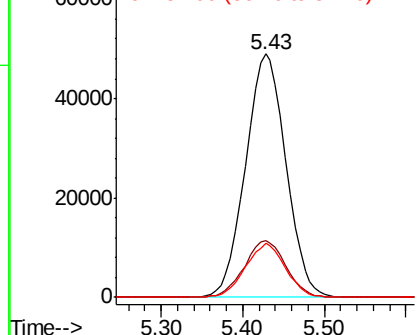
Methvl tert-butvl Ether
 Concen: 24.657 ug/L
 RT: 5.43 min Scan# 578
 Delta R.T. 0.00 min
 Lab File: VW015493.D
 Acq: 27 May 2020 09:25

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02507

Tot Ion: 73 Resp: 168810
 Ion Ratio Lower Upper
 73 100
 43 24.0 19.6 29.4
 57 21.8 17.7 26.5



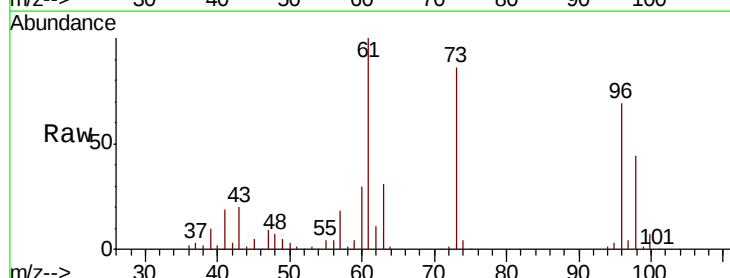
Abundance Ion 73.00 (72.70 to 73.70): VW
 Ion 43.00 (42.70 to 43.70): VW
 Ion 57.00 (56.70 to 57.70): VW



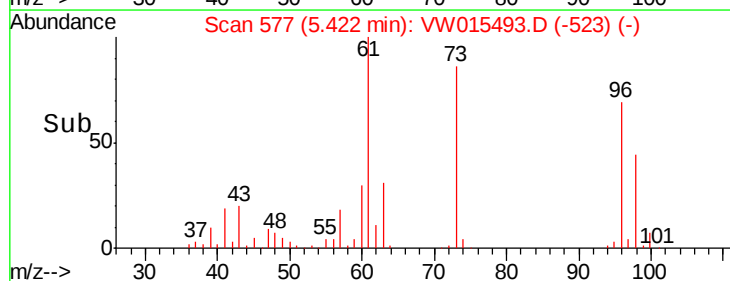
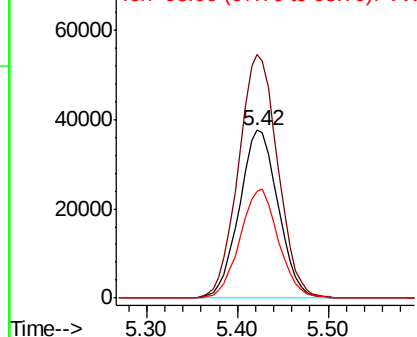
#18

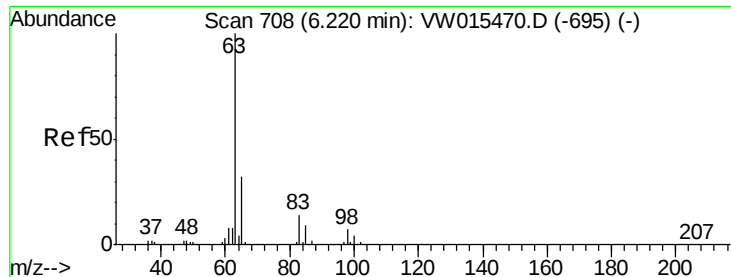
trans-1,2-Dichloroethene
 Concen: 24.142 ug/L
 RT: 5.42 min Scan# 577
 Delta R.T. 0.00 min
 Lab File: VW015493.D
 Acq: 27 May 2020 09:25

Tgt Ion: 96 Resp: 111619
 Ion Ratio Lower Upper
 96 100
 61 145.4 101.9 189.3
 98 63.9 44.9 83.5



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

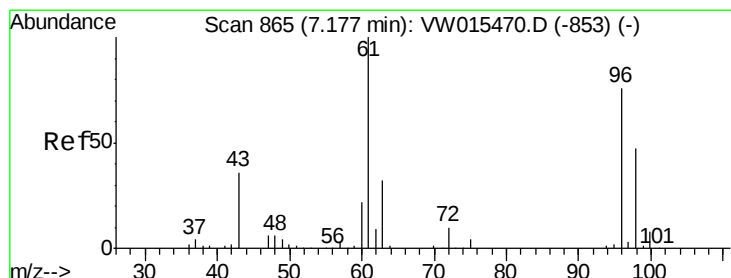
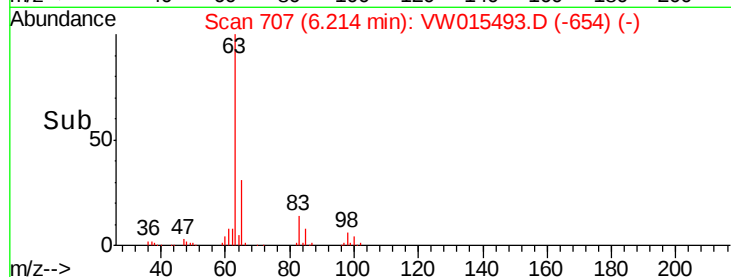
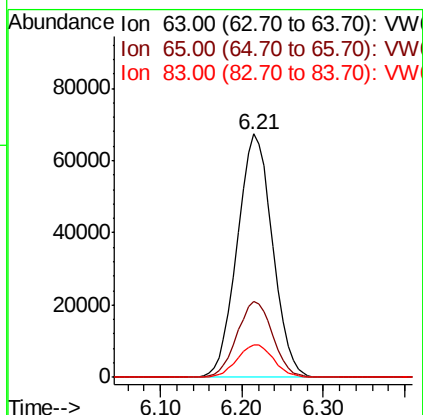
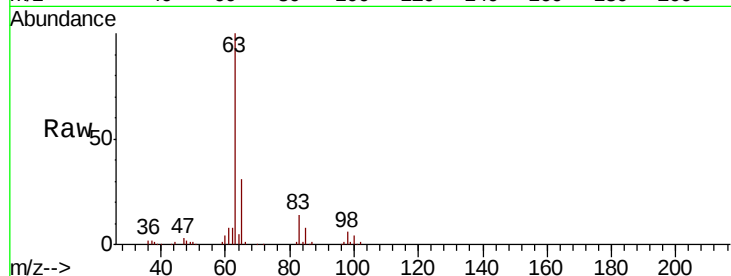




#19
 1,1-Dichloroethane
 Concen: 24.333 ug/L
 RT: 6.21 min Scan# 707
 Delta R.T. -0.01 min
 Lab File: VW015493.D
 Acq: 27 May 2020 09:25

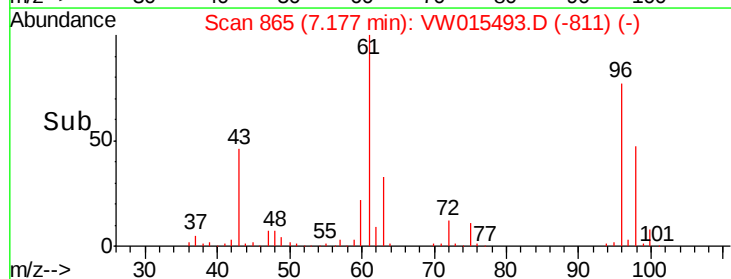
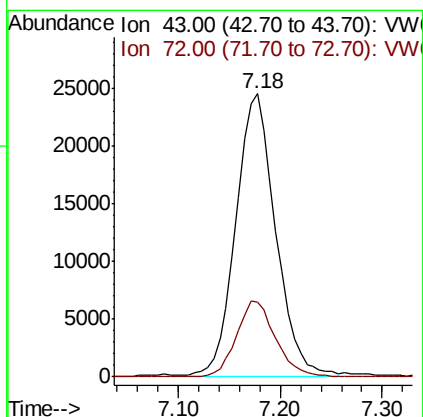
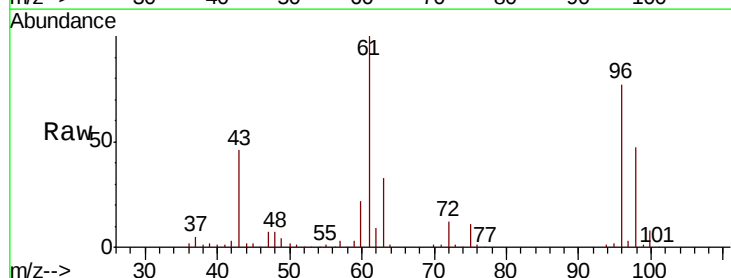
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02507

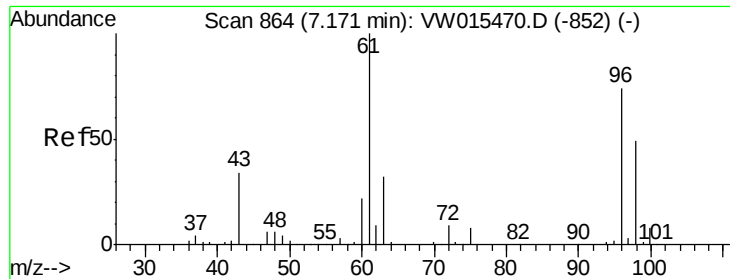
Tot Ion	Ratio	Lower	Upper
63	100		
65	31.3	22.1	41.1
83	13.5	9.7	17.9



#21
 2-Butanone
 Concen: 51.578 ug/L
 RT: 7.18 min Scan# 865
 Delta R.T. 0.00 min
 Lab File: VW015493.D
 Acq: 27 May 2020 09:25

Tgt Ion	Ratio	Lower	Upper
43	100		
72	26.5	13.3	39.9



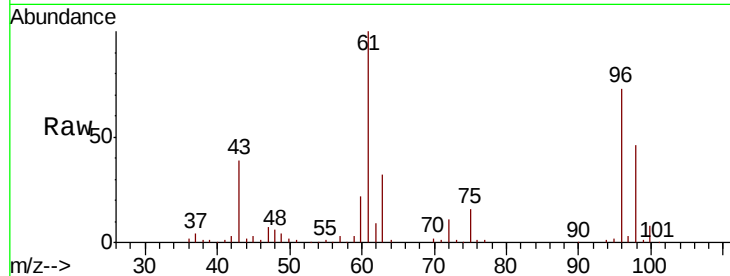


#22

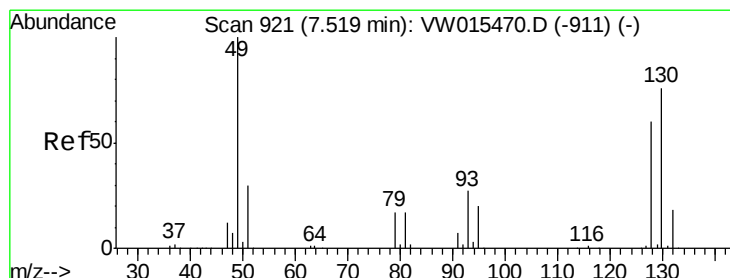
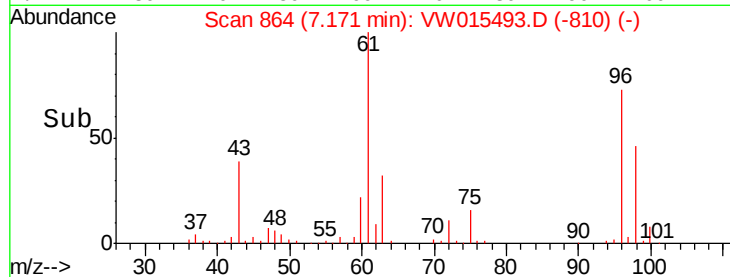
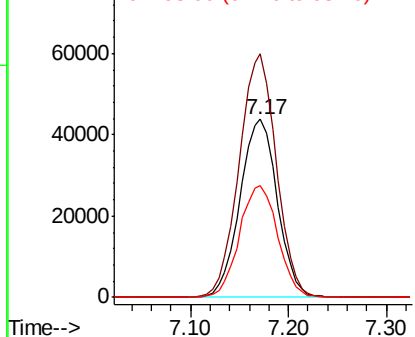
cis-1,2-Dichloroethene
 Concen: 24.083 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. 0.00 min
 Lab File: VW015493.D
 Acq: 27 May 2020 09:25

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02507

Tot Ion: 96 Resp: 116158
 Ion Ratio Lower Upper
 96 100
 61 136.8 93.7 173.9
 98 62.9 45.1 83.9



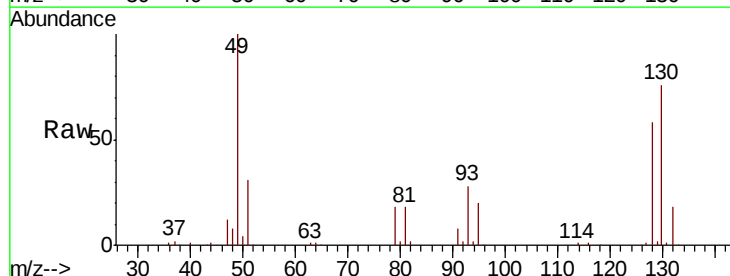
Abundance Ion 96.00 (95.70 to 96.70): VW
 Ion 61.00 (60.70 to 61.70): VW
 Ion 98.00 (97.70 to 98.70): VW



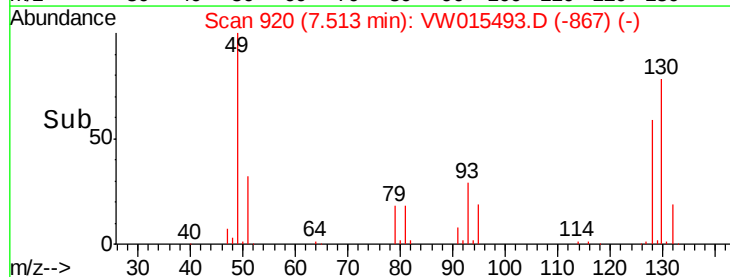
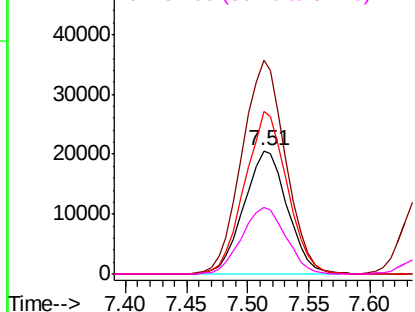
#23

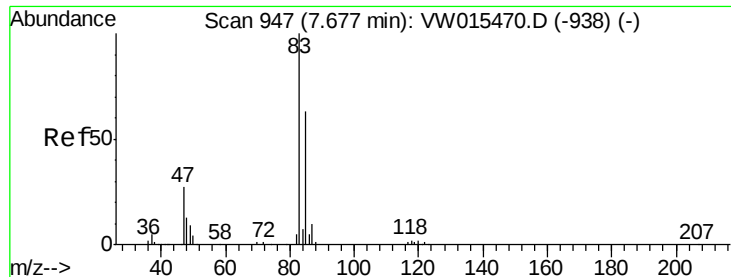
Bromochloromethane
 Concen: 24.452 ug/L
 RT: 7.51 min Scan# 920
 Delta R.T. -0.01 min
 Lab File: VW015493.D
 Acq: 27 May 2020 09:25

Tgt Ion: 128 Resp: 50856
 Ion Ratio Lower Upper
 128 100
 49 173.6 118.1 219.3
 130 131.7 88.5 164.3
 51 54.6 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

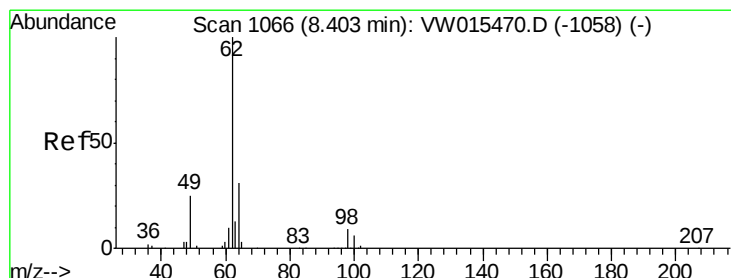
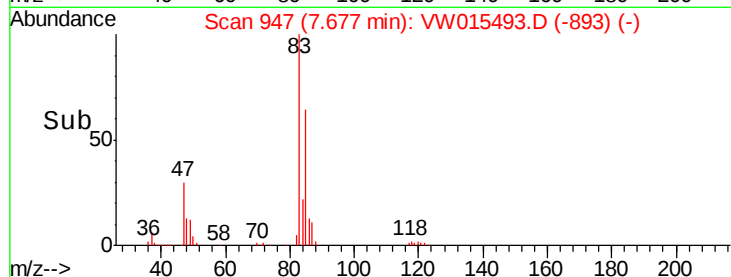
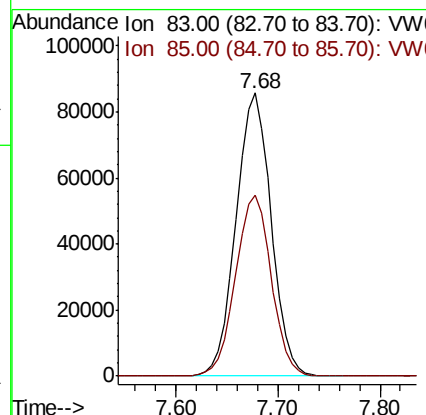
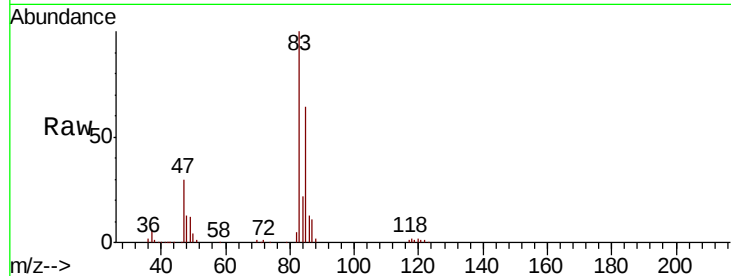




#25
Chloroform
Concen: 24.432 ug/L
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW015493.D
Acq: 27 May 2020 09:25

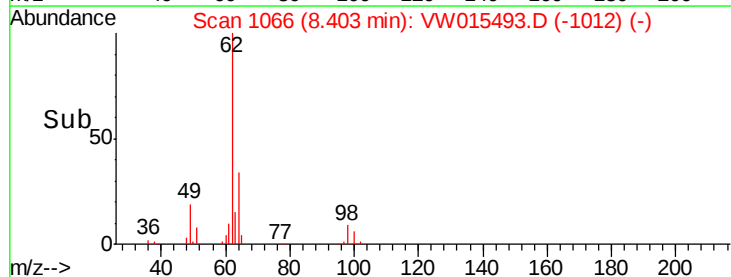
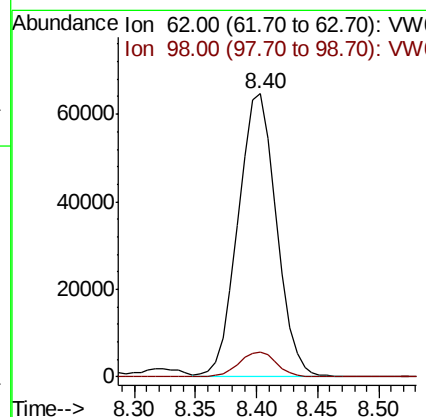
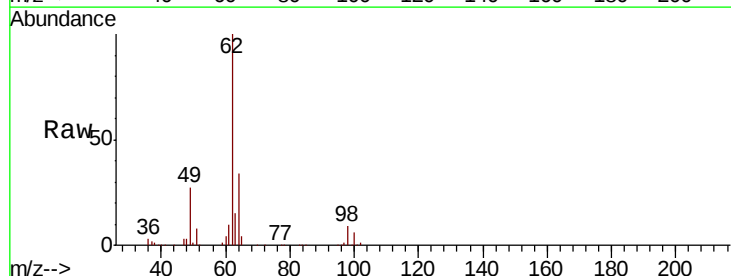
Instrument :
MSVOA_W
ClientSampleId :
VSTD02507

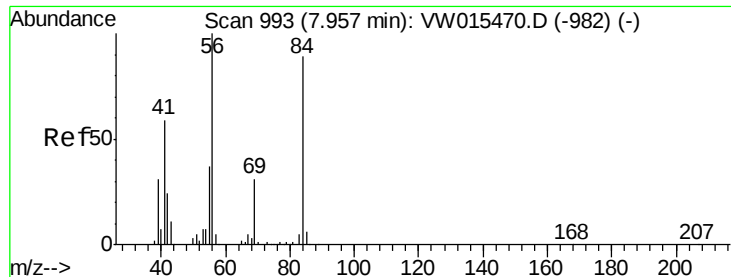
Tot Ion: 83 Resp: 204583
Ion Ratio Lower Upper
83 100
85 65.2 45.7 84.9



#27
1,2-Dichloroethane
Concen: 24.877 ug/L
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW015493.D
Acq: 27 May 2020 09:25

Tgt Ion: 62 Resp: 140923
Ion Ratio Lower Upper
62 100
98 8.7 7.0 10.4

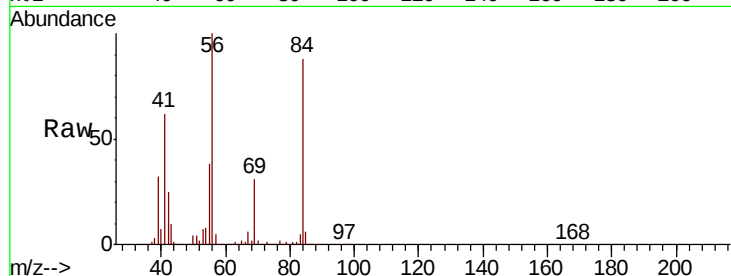




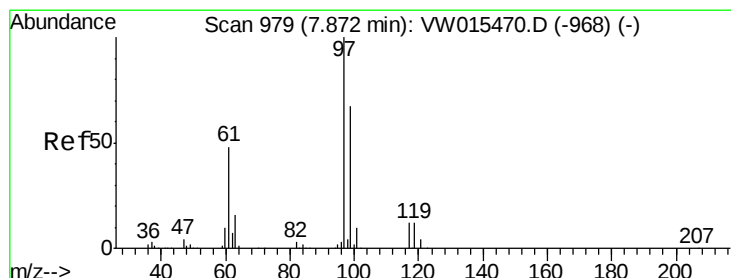
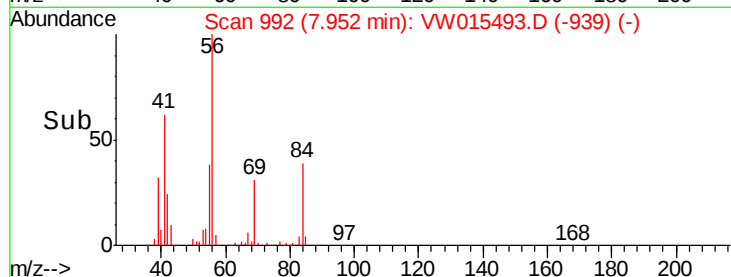
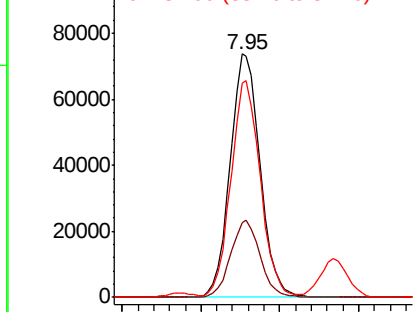
#30
Cvclohexane
Concen: 23.557 ug/L
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW015493.D
Acq: 27 May 2020 09:25

Instrument :
MSVOA_W
ClientSampleId :
VSTD02507

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.0	24.6	37.0
84	87.8	69.6	104.4

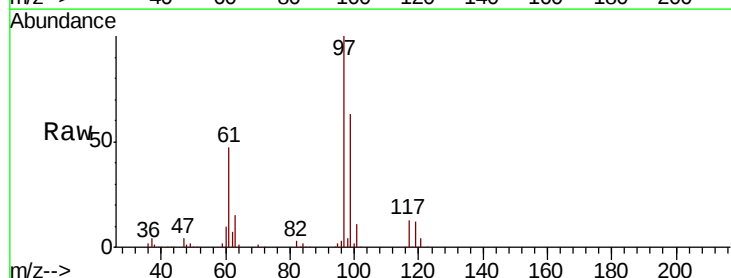


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

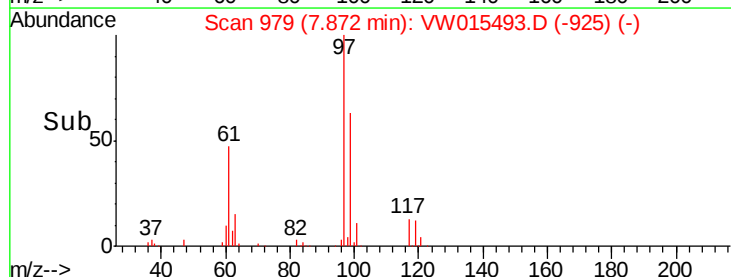
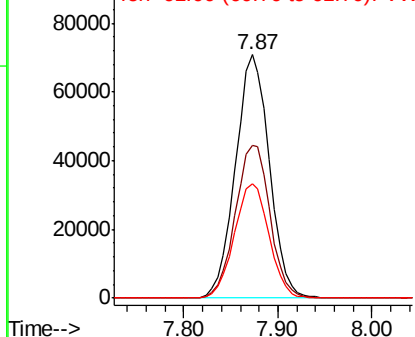


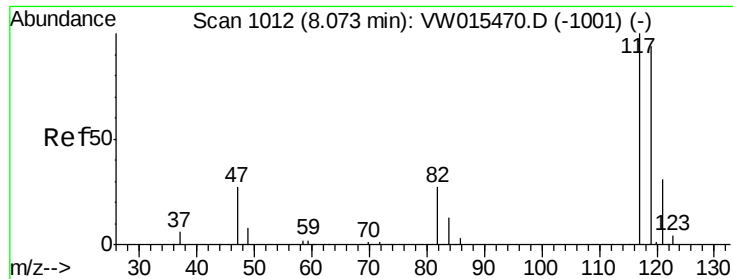
#31
1,1,1-Trichloroethane
Concen: 23.904 ug/L
RT: 7.87 min Scan# 979
Delta R.T. 0.00 min
Lab File: VW015493.D
Acq: 27 May 2020 09:25

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.4	77.0
61	48.0	38.1	57.1



Abundance Ion 97.00 (96.70 to 97.70): VW
Ion 99.00 (98.70 to 99.70): VW
Ion 61.00 (60.70 to 61.70): VW





#32

Carbon tetrachloride

Concen: 23.765 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. -0.01 min

Lab File: VW015493.D

Acq: 27 May 2020 09:25

Instrument :

MSVOA_W

ClientSampleId :

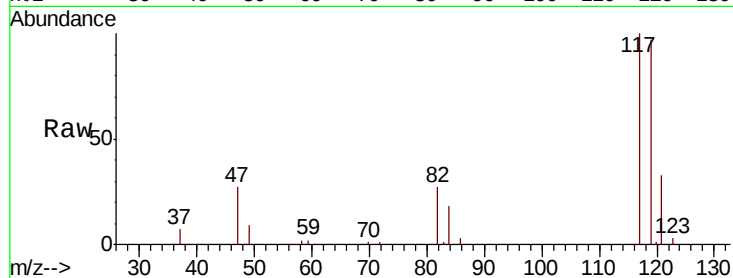
VSTD02507

Tot Ion:117 Resp: 162725

Ion Ratio Lower Upper

117 100

119 96.0 76.4 114.6



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

8.07

60000

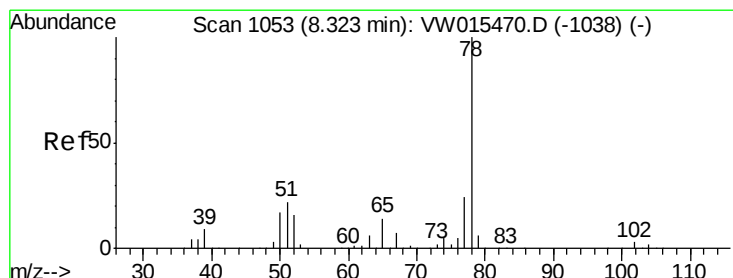
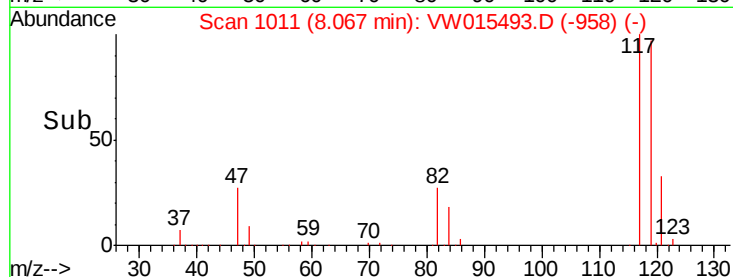
40000

20000

0

8.00 8.10 8.20

Time-->



#34

Benzene

Concen: 24.046 ug/L

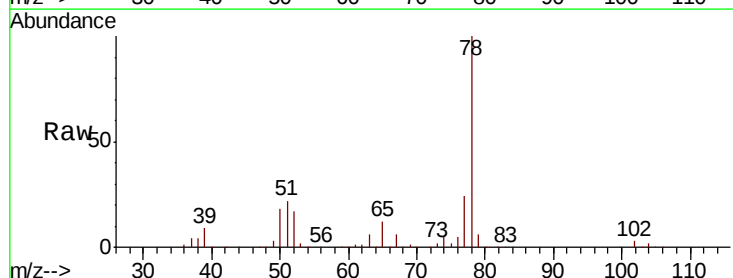
RT: 8.32 min Scan# 1053

Delta R.T. 0.00 min

Lab File: VW015493.D

Acq: 27 May 2020 09:25

Tgt Ion: 78 Resp: 448743



Abundance Ion 78.00 (77.70 to 78.70): VW

8.32

200000

150000

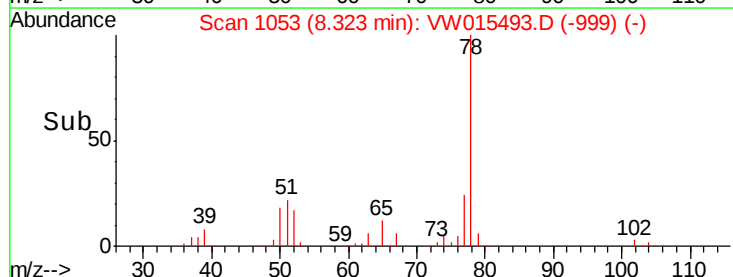
100000

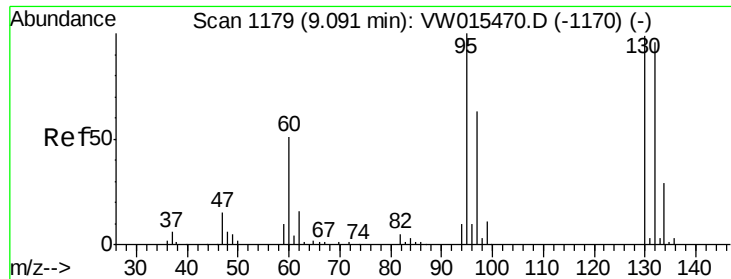
50000

0

8.20 8.30 8.40

Time-->





#35

Trichloroethene

Concen: 23.639 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW015493.D

Acq: 27 May 2020 09:25

Instrument :

MSVOA_W

ClientSampleId :

VSTD02507

Tot Ion: 95 Resp: 118498

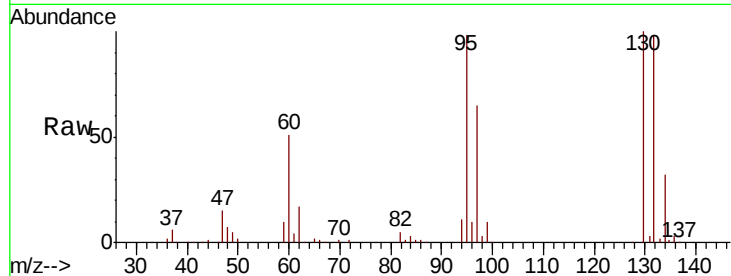
Ion Ratio Lower Upper

95 100

97 65.9 45.4 84.2

132 97.7 67.1 124.7

130 99.9 69.4 128.8

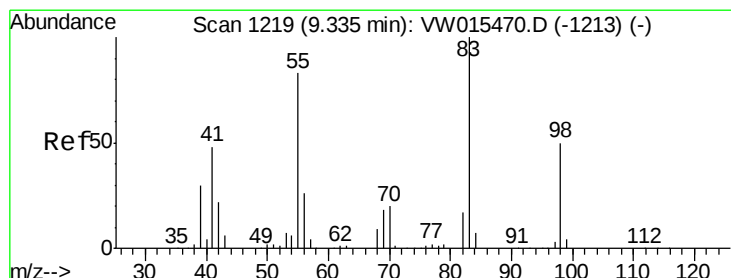
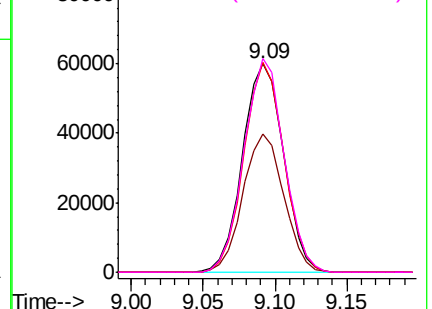
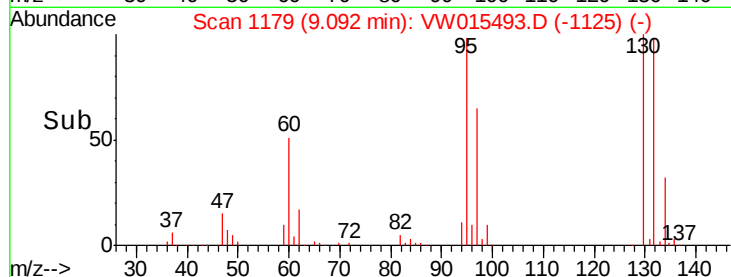


Abundance Ion 95.00 (94.70 to 95.70): VW

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: 24.075 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. 0.00 min

Lab File: VW015493.D

Acq: 27 May 2020 09:25

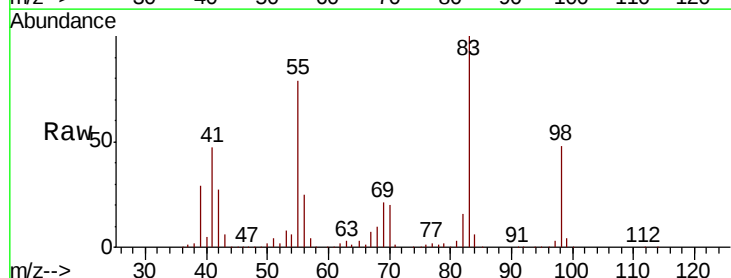
Tgt Ion: 83 Resp: 215245

Ion Ratio Lower Upper

83 100

55 77.8 62.8 94.2

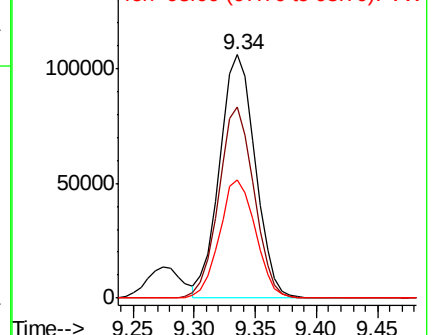
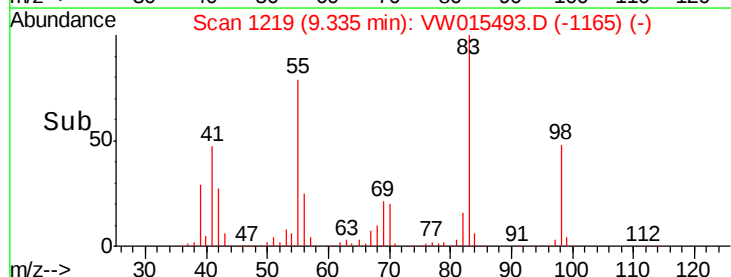
98 49.2 39.2 58.8

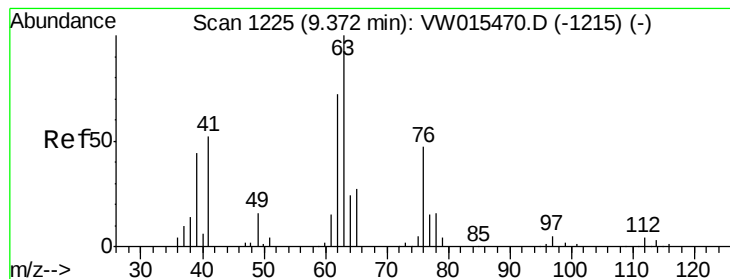


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW





#40

1,2-Dichloropropane

Concen: 24.050 ug/L

RT: 9.37 min Scan# 1224

Delta R.T. -0.01 min

Lab File: VW015493.D

Acq: 27 May 2020 09:25

Instrument :

MSVOA_W

ClientSampleId :

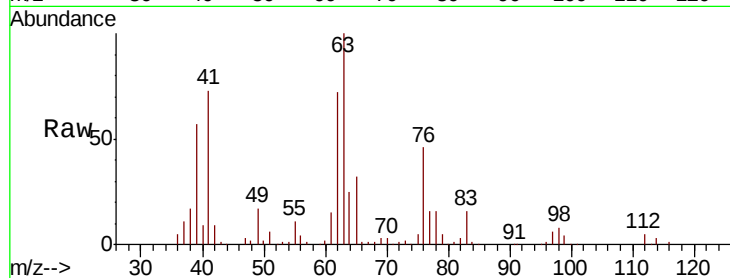
VSTD02507

Tot Ion: 63 Resp: 110527

Ion Ratio Lower Upper

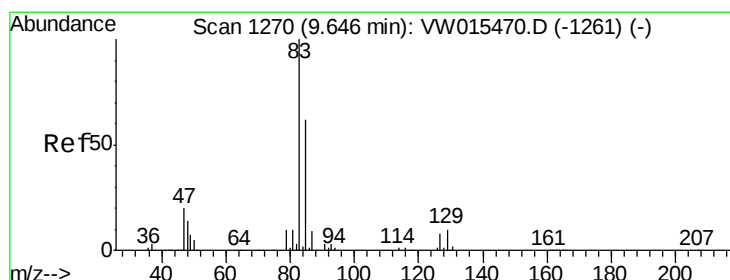
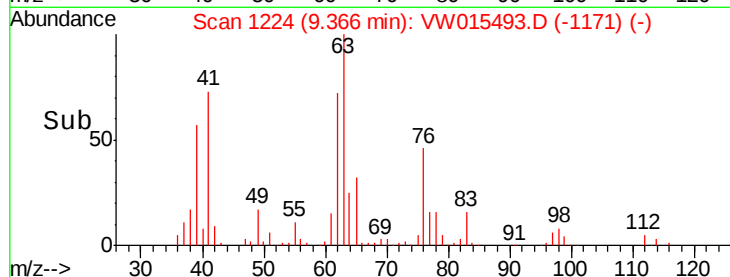
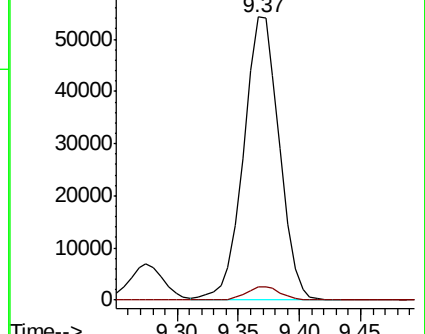
63 100

112 4.6 3.8 5.8



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 112.00 (111.70 to 112.70): V



#41

Bromodichloromethane

Concen: 23.967 ug/L

RT: 9.65 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VW015493.D

Acq: 27 May 2020 09:25

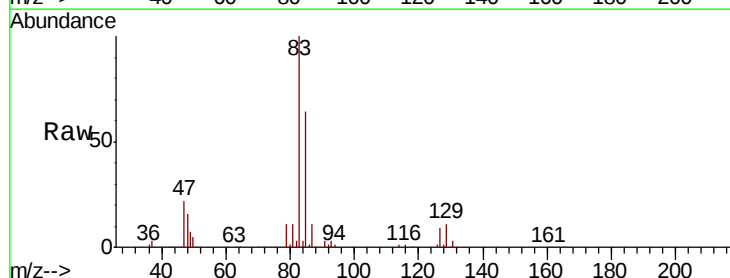
Tgt Ion: 83 Resp: 147148

Ion Ratio Lower Upper

83 100

85 64.4 44.8 83.2

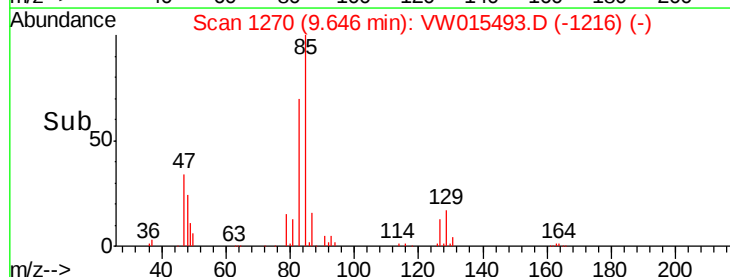
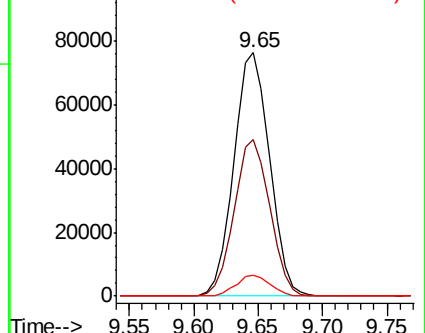
127 8.6 7.0 10.6

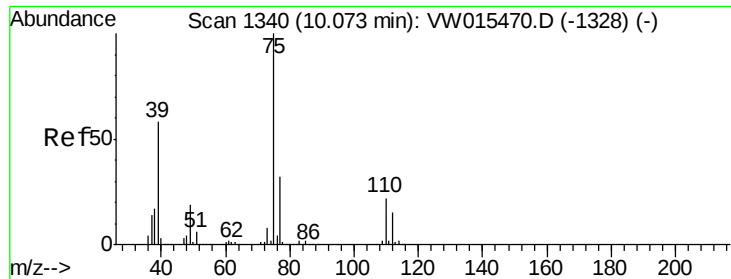


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 127.00 (126.70 to 127.70): V





#42

cis-1,3-Dichloropropene

Concen: 24.175 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW015493.D

Acq: 27 May 2020 09:25

Instrument :

MSVOA_W

ClientSampled :

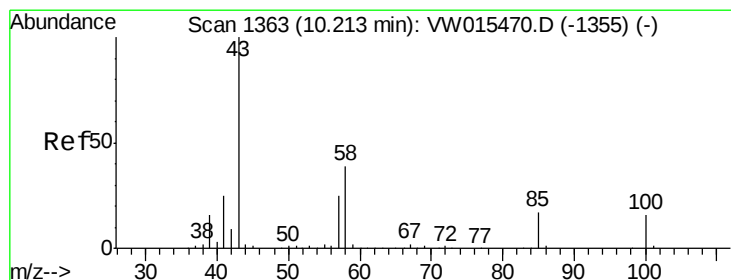
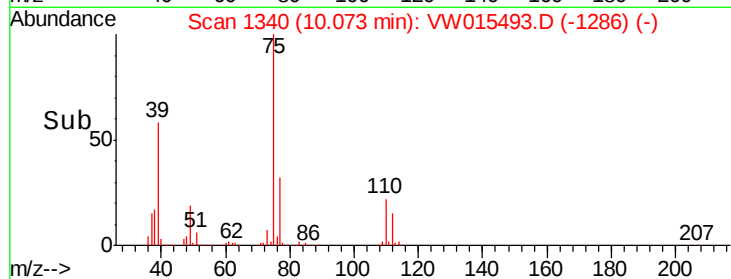
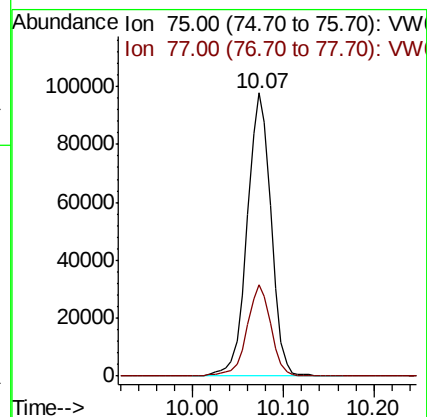
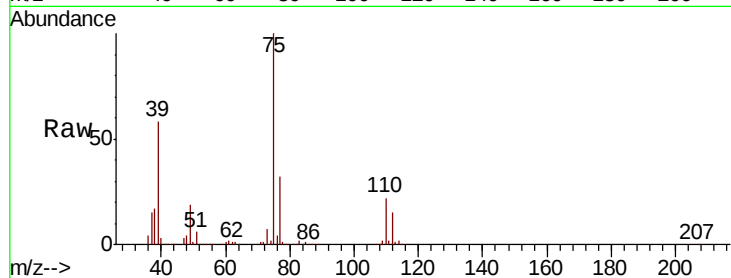
VSTD02507

Tot Ion: 75 Resp: 177792

Ion Ratio Lower Upper

75 100

77 32.3 22.3 41.5



#43

4-Methyl-2-pentanone

Concen: 51.476 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW015493.D

Acq: 27 May 2020 09:25

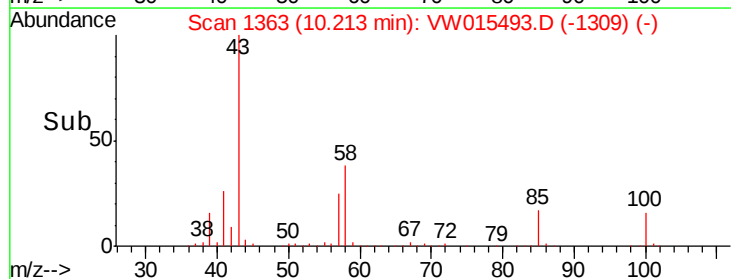
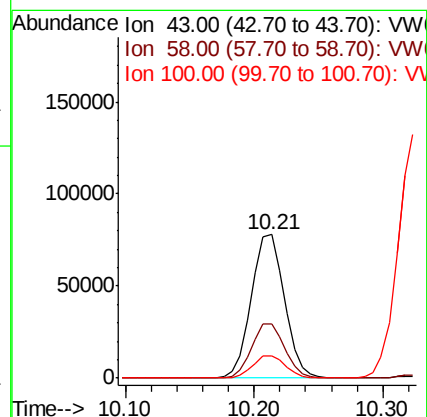
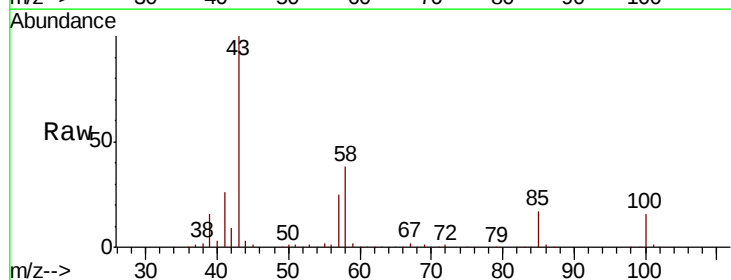
Tgt Ion: 43 Resp: 138673

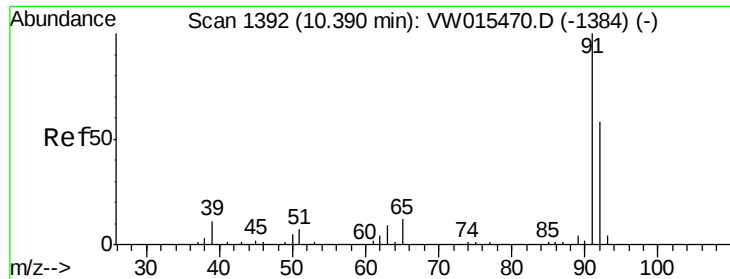
Ion Ratio Lower Upper

43 100

58 37.8 30.6 46.0

100 15.7 12.5 18.7





#44

Toluene

Concen: 24.298 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW015493.D

Acq: 27 May 2020 09:25

Instrument :

MSVOA_W

ClientSampleId :

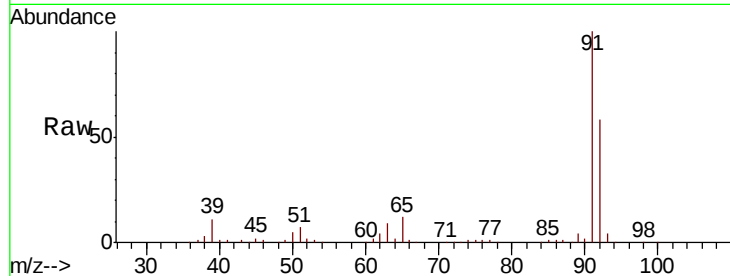
VSTD02507

Tot Ion: 91 Resp: 494018

Ion Ratio Lower Upper

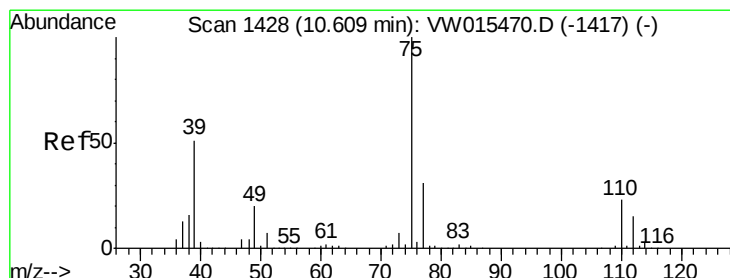
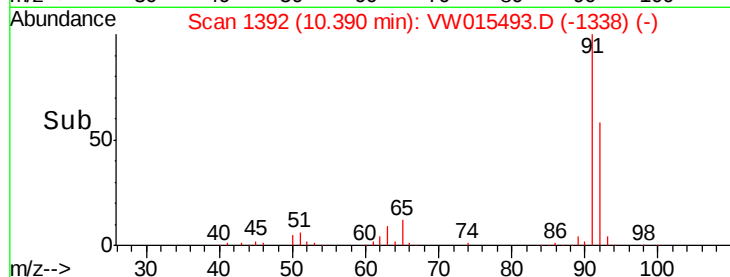
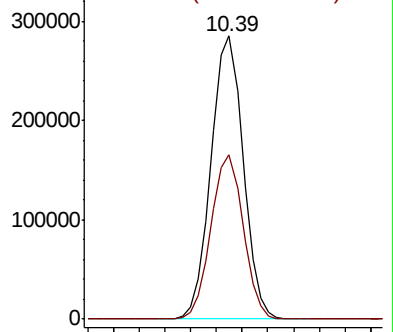
91 100

92 57.9 41.7 77.5



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW



#45

trans-1,3-Dichloropropene

Concen: 24.553 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. -0.01 min

Lab File: VW015493.D

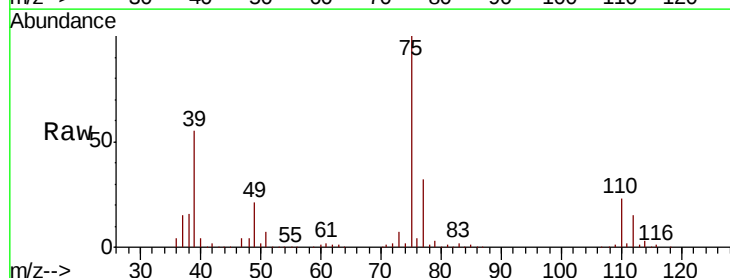
Acq: 27 May 2020 09:25

Tgt Ion: 75 Resp: 157138

Ion Ratio Lower Upper

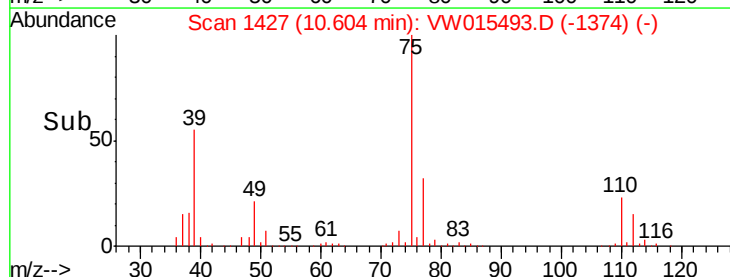
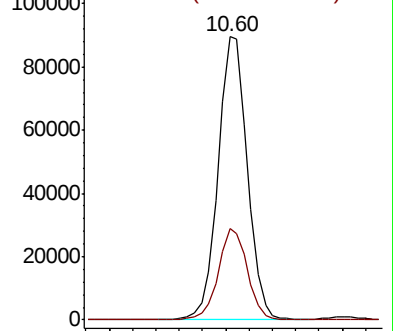
75 100

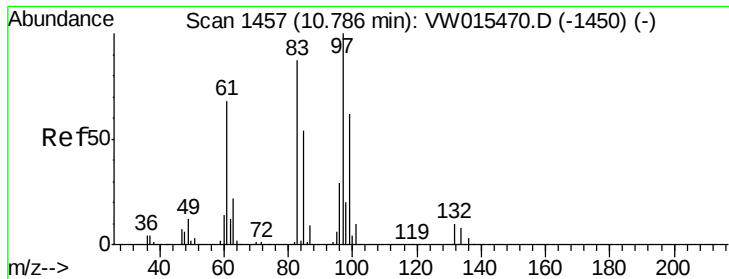
77 32.5 21.5 39.9



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW





#46

1,1,2-Trichloroethane

Concen: 25.013 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW015493.D

Acq: 27 May 2020 09:25

Instrument :

MSVOA_W

ClientSampleId :

VSTD02507

Tot Ion: 97 Resp: 80420

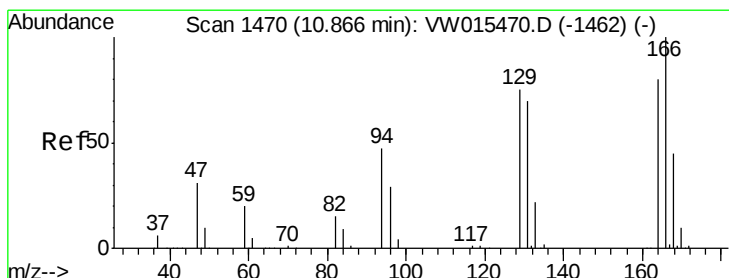
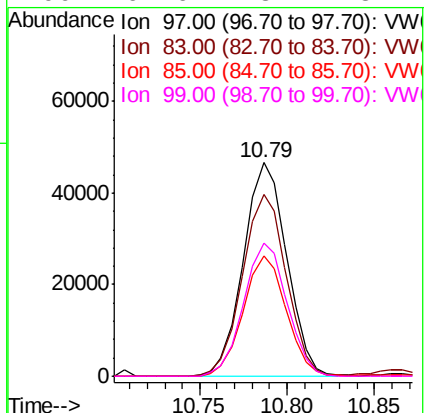
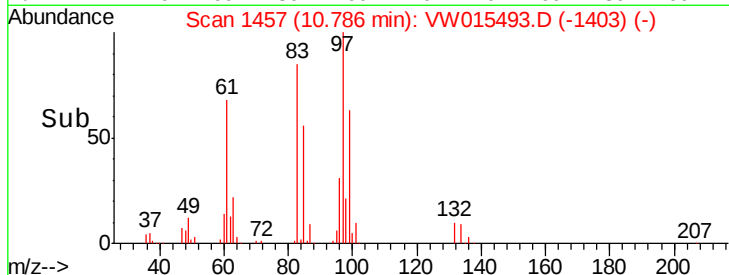
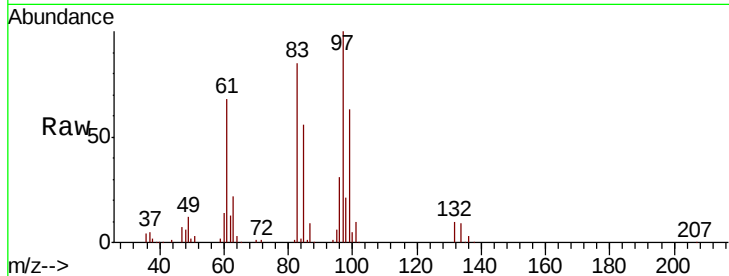
Ion Ratio Lower Upper

97 100

83 85.3 58.2 108.2

85 56.1 37.4 69.4

99 62.6 43.7 81.1



#47

Tetrachloroethene

Concen: 24.378 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. 0.00 min

Lab File: VW015493.D

Acq: 27 May 2020 09:25

Tgt Ion: 164 Resp: 96868

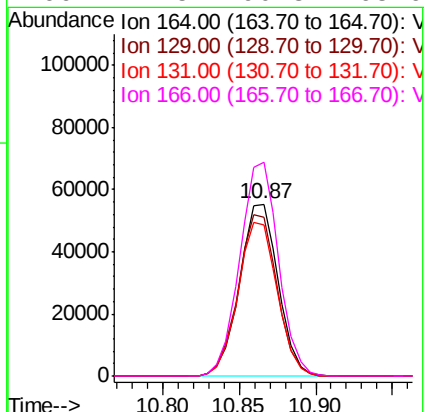
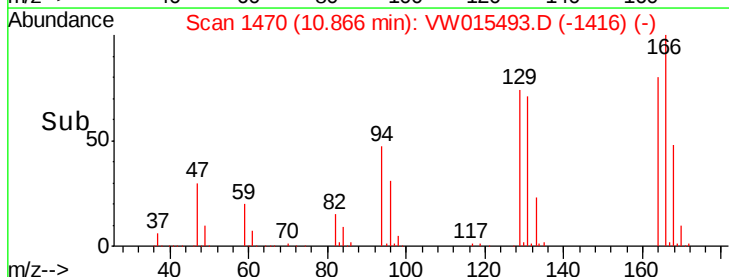
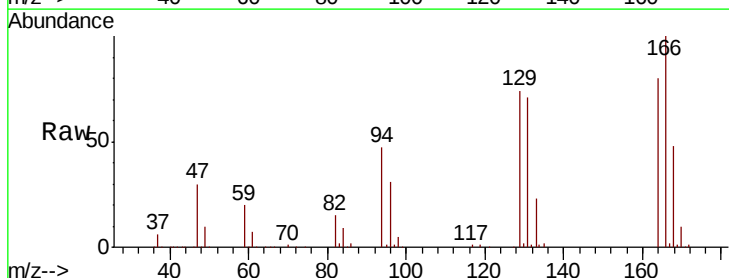
Ion Ratio Lower Upper

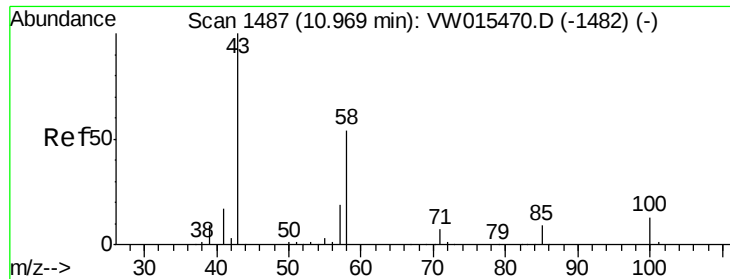
164 100

129 92.2 66.3 123.1

131 88.1 65.1 120.9

166 124.5 90.8 168.6





#49

2-Hexanone

Concen: 53.719 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW015493.D

Acq: 27 May 2020 09:25

Instrument :

MSVOA_W

ClientSampleId :

VSTD02507

Tot Ion: 43 Resp: 97681

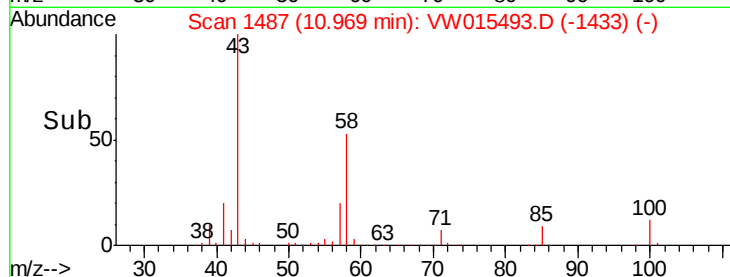
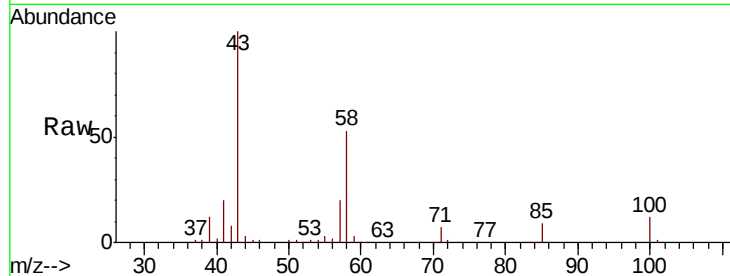
Ion Ratio Lower Upper

43 100

58 53.1 42.6 64.0

57 19.5 15.5 23.3

100 12.3 10.3 15.5

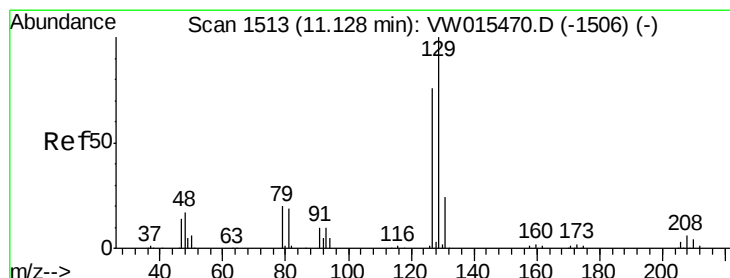
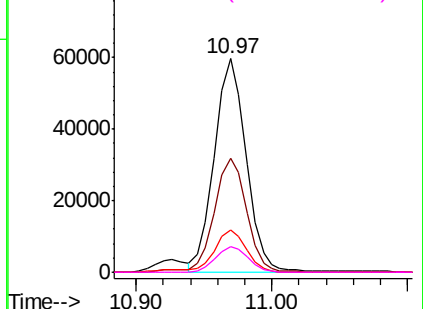


Abundance Ion 43.00 (42.70 to 43.70): VW

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: 24.417 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VW015493.D

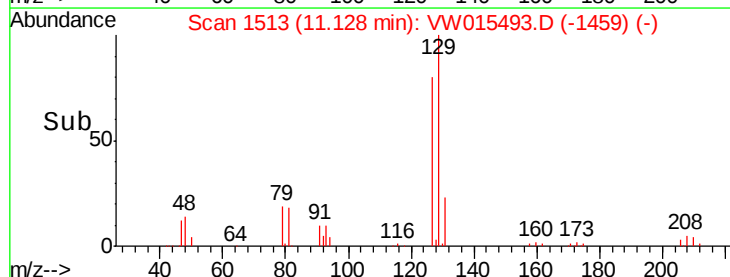
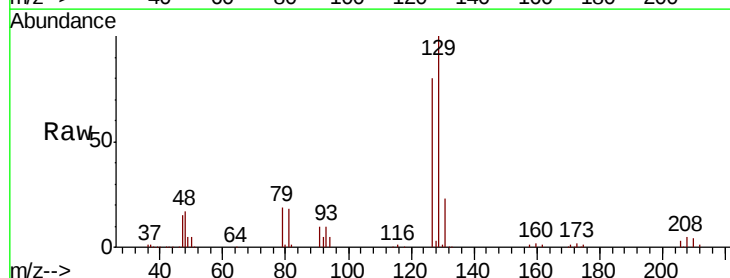
Acq: 27 May 2020 09:25

Tgt Ion: 129 Resp: 95378

Ion Ratio Lower Upper

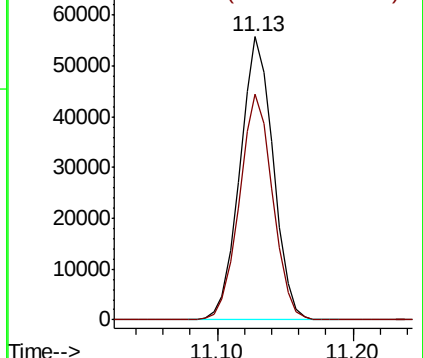
129 100

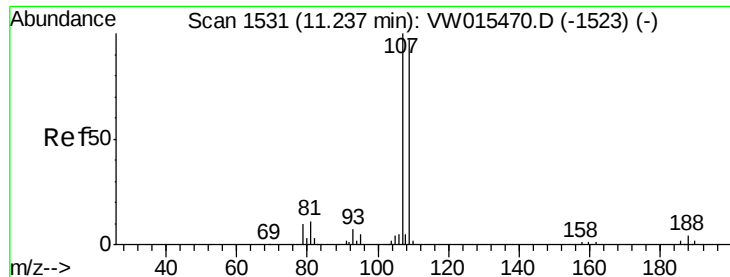
127 79.8 53.0 98.4



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

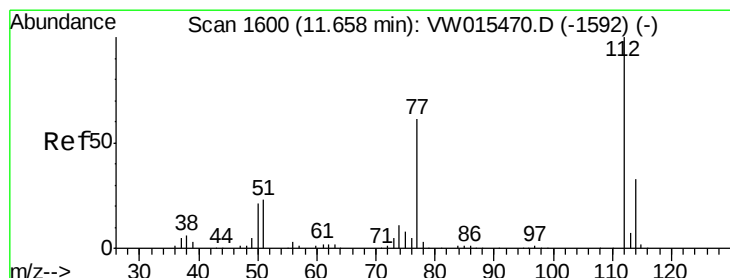
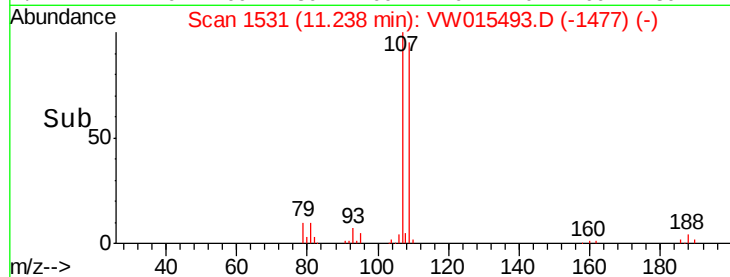
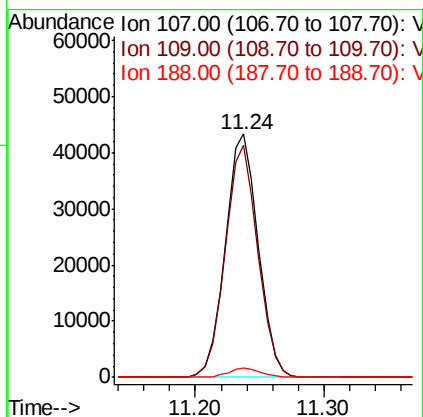
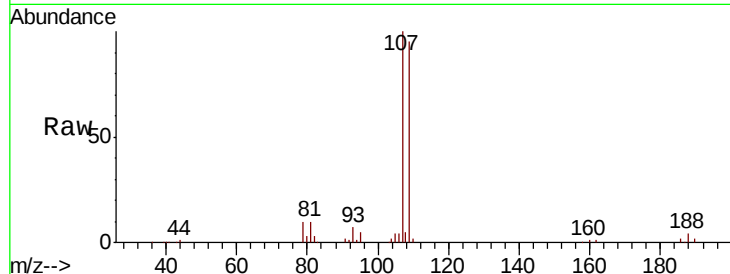




#51
 1,2-Dibromoethane
 Concen: 25.033 ug/L
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW015493.D
 Acq: 27 May 2020 09:25

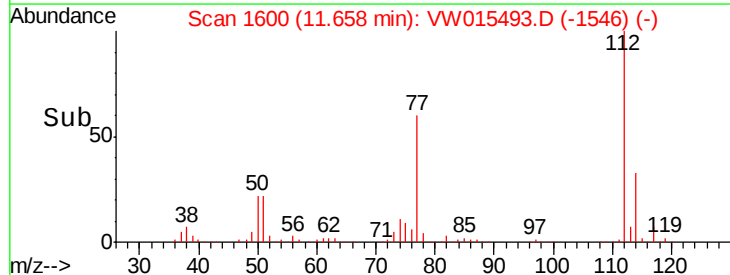
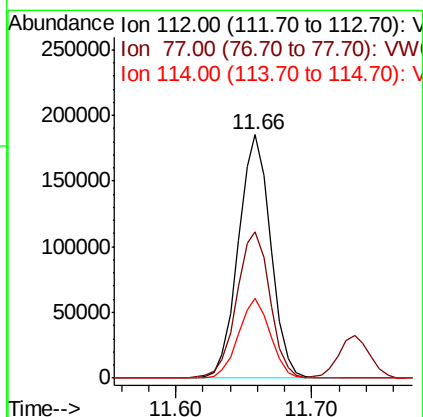
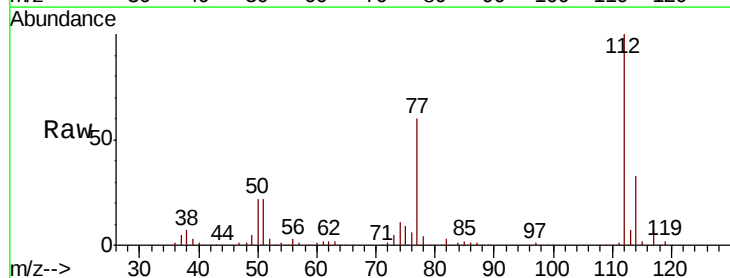
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02507

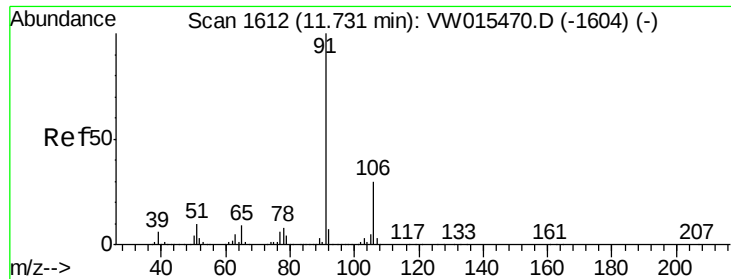
Tot Ion:107 Resp: 77268
 Ion Ratio Lower Upper
 107 100
 109 95.4 64.6 120.0
 188 3.8 2.8 4.2



#52
 Chlorobenzene
 Concen: 24.019 ug/L
 RT: 11.66 min Scan# 1600
 Delta R.T. 0.00 min
 Lab File: VW015493.D
 Acq: 27 May 2020 09:25

Tgt Ion:112 Resp: 306313
 Ion Ratio Lower Upper
 112 100
 77 60.1 49.7 74.5
 114 32.6 21.8 40.6





#53

Ethylbenzene

Concen: 24.108 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW015493.D

Acq: 27 May 2020 09:25

Instrument :

MSVOA_W

ClientSampleId :

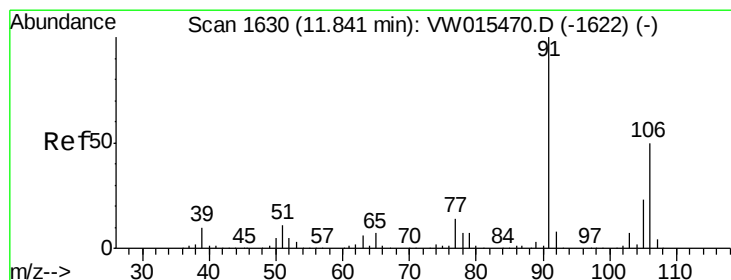
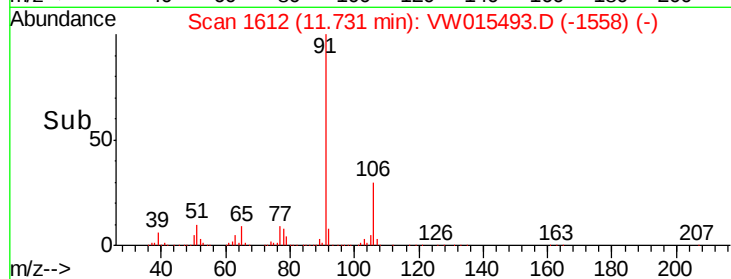
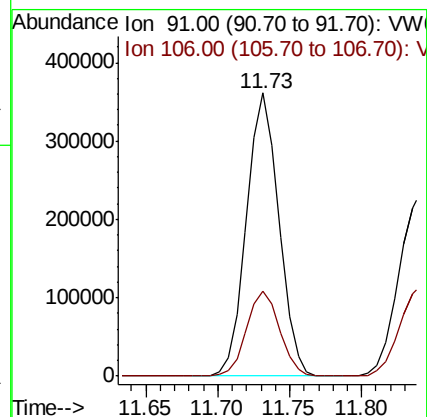
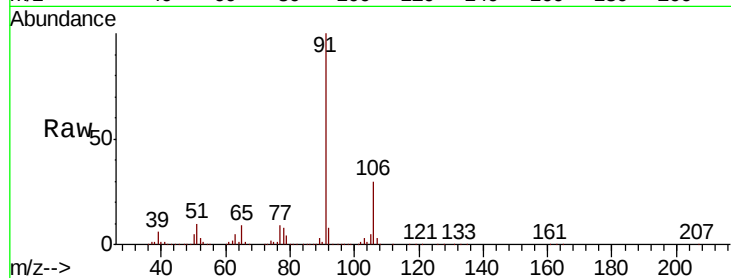
VSTD02507

Tot Ion: 91 Resp: 562834

Ion Ratio Lower Upper

91 100

106 30.0 21.3 39.6



#54

m,p-Xylene

Concen: 24.325 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VW015493.D

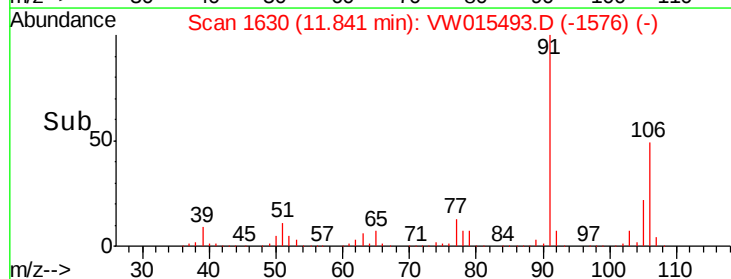
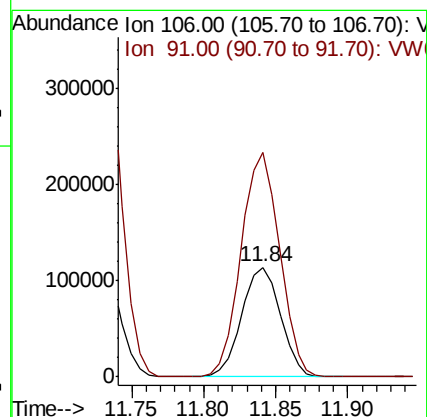
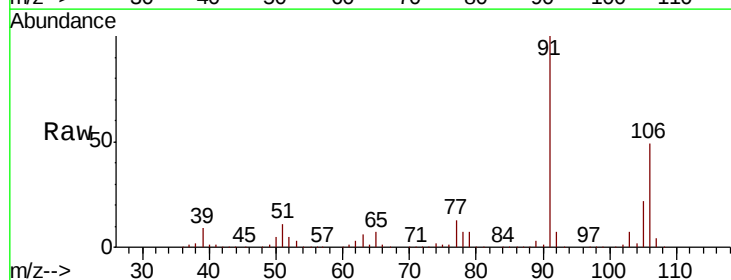
Acq: 27 May 2020 09:25

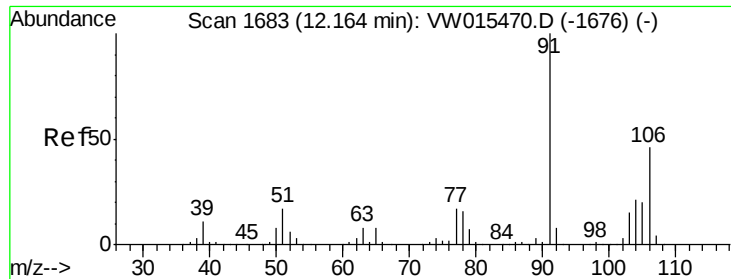
Tgt Ion: 106 Resp: 213102

Ion Ratio Lower Upper

106 100

91 204.6 142.6 264.8

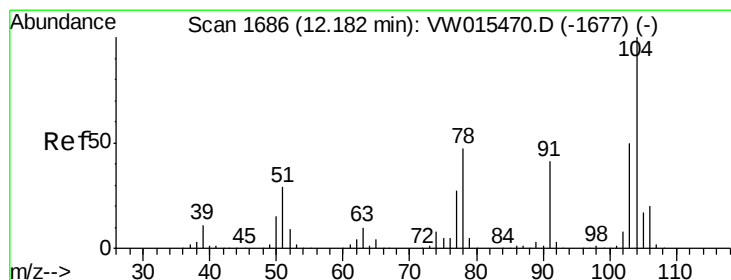
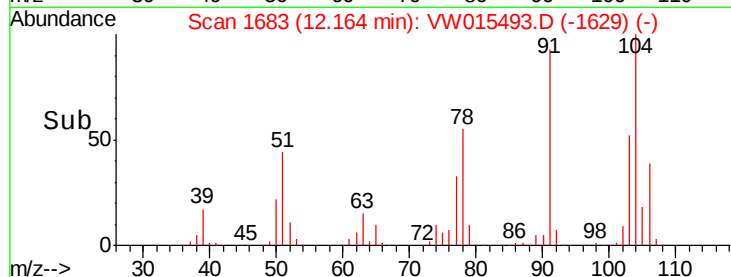
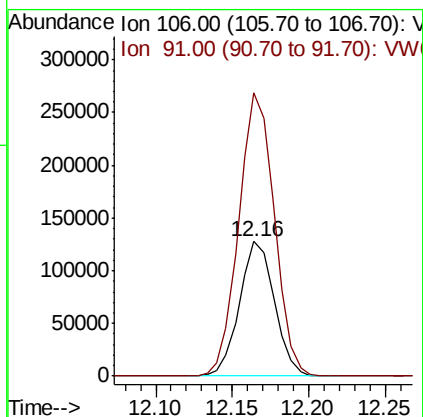
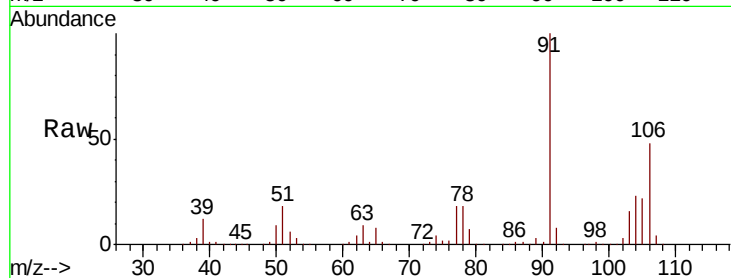




#55
o-xylene
Concen: 24.436 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW015493.D
Acq: 27 May 2020 09:25

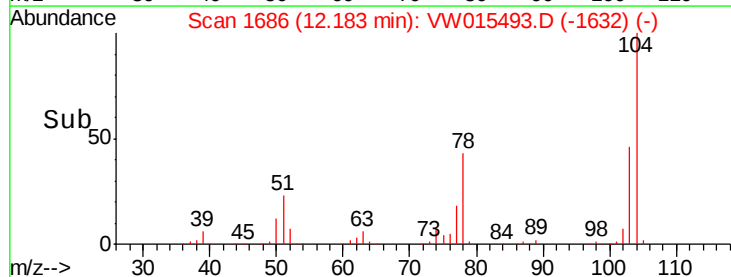
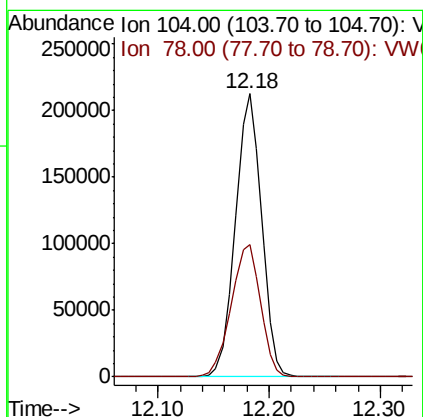
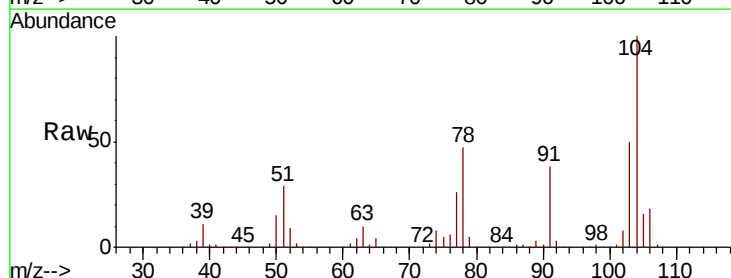
Instrument :
MSVOA_W
ClientSampleId :
VSTD02507

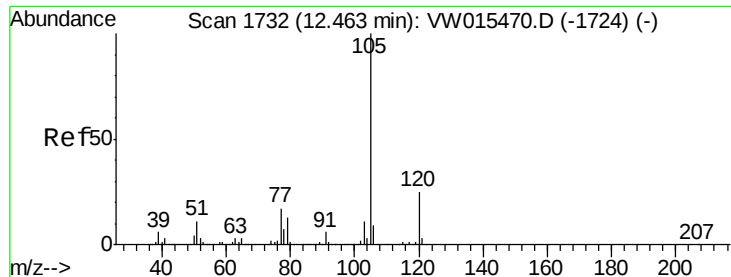
Tot Ion:106 Resp: 203196
Ion Ratio Lower Upper
106 100
91 210.1 149.0 276.6



#56
Styrene
Concen: 24.379 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW015493.D
Acq: 27 May 2020 09:25

Tgt Ion:104 Resp: 346398
Ion Ratio Lower Upper
104 100
78 46.6 32.9 61.1





#57

Isopropylbenzene

Concen: 24.665 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW015493.D

Acq: 27 May 2020 09:25

Instrument :

MSVOA_W

ClientSampleId :

VSTD02507

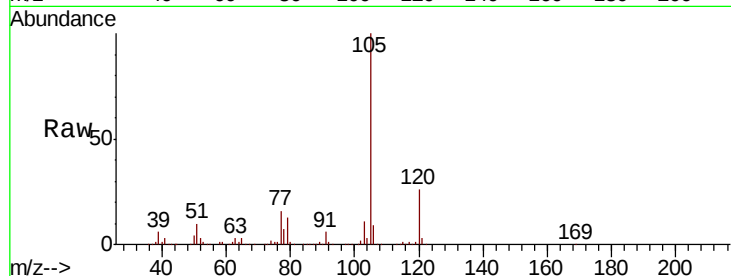
Tot Ion:105 Resp: 571336

Ion Ratio Lower Upper

105 100

120 25.8 21.0 31.4

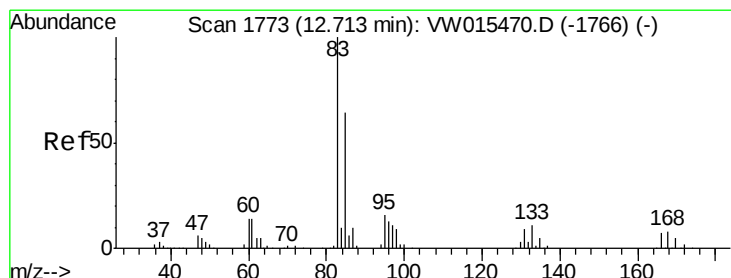
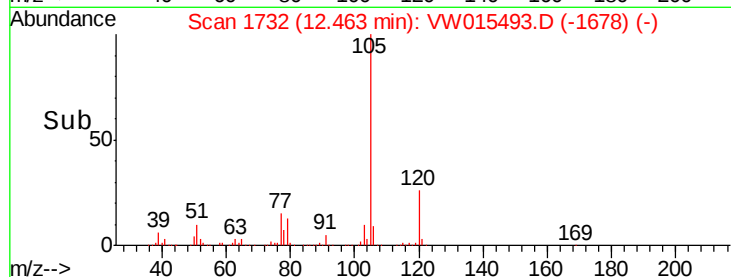
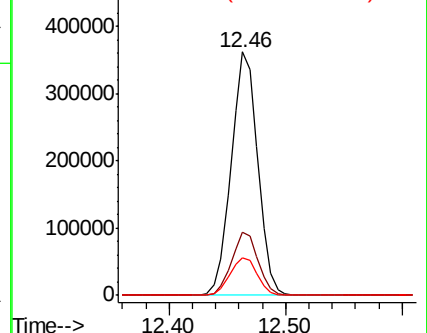
77 16.0 13.0 19.6



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: 26.293 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW015493.D

Acq: 27 May 2020 09:25

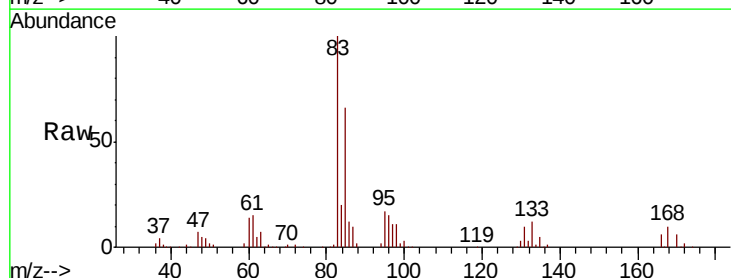
Tgt Ion: 83 Resp: 97869

Ion Ratio Lower Upper

83 100

85 65.8 44.7 82.9

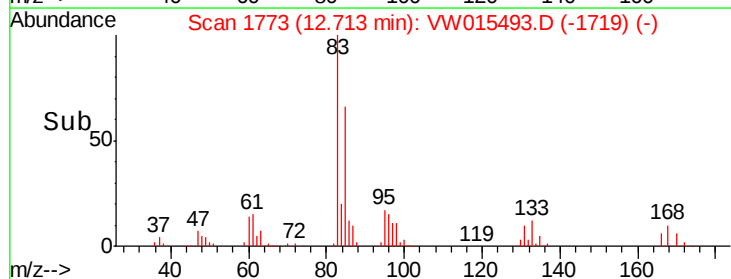
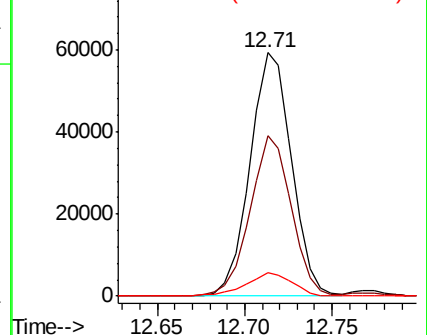
131 9.5 9.1 13.7

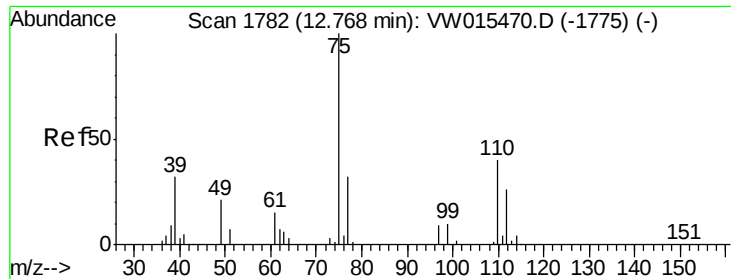


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V

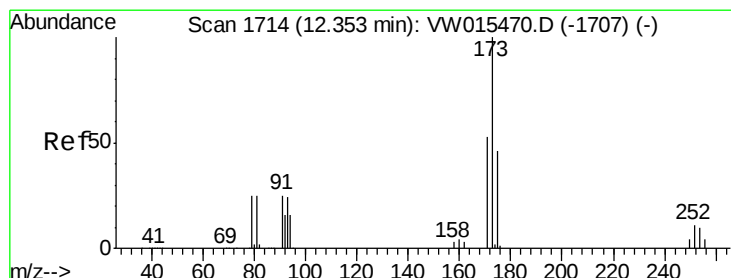
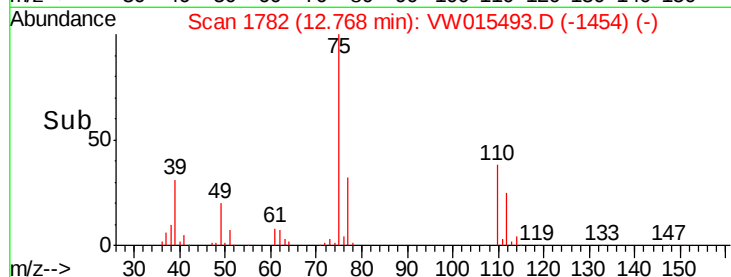
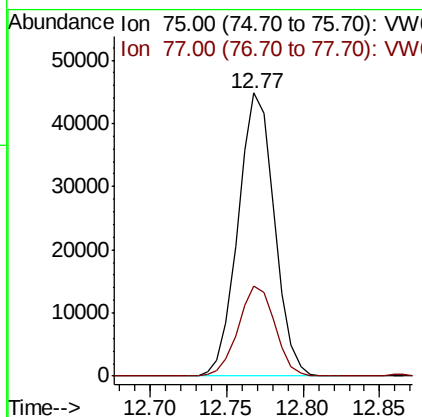
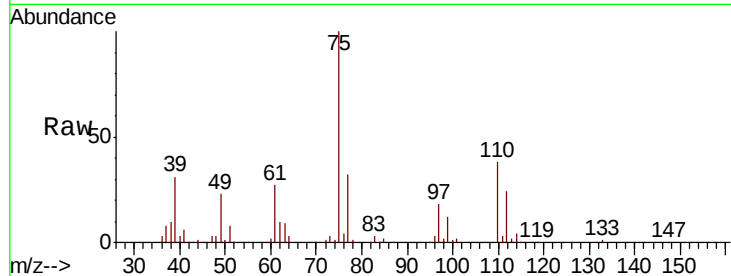




#59
 1,2,3-Trichloropropane
 Concen: 26.147 ug/L
 RT: 12.77 min Scan# 1782
 Delta R.T. 0.00 min
 Lab File: VW015493.D
 Acq: 27 May 2020 09:25

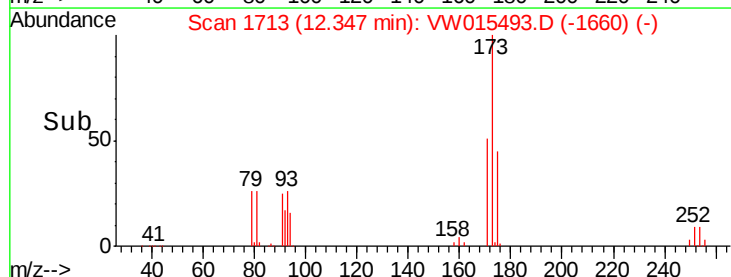
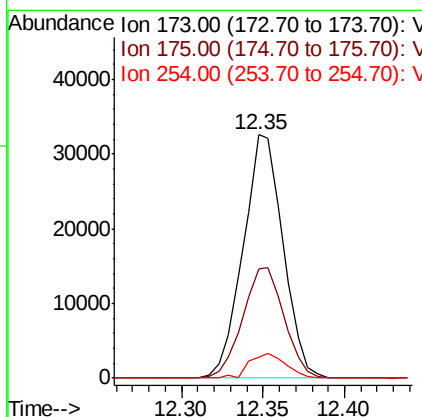
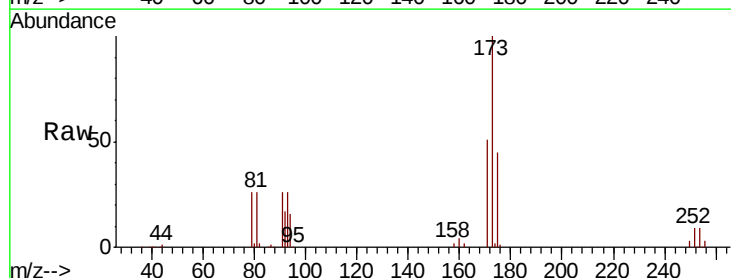
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02507

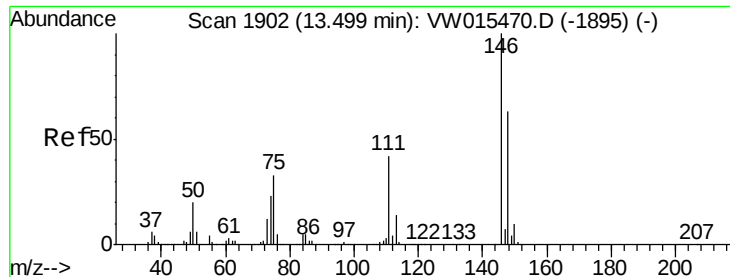
Tot Ion: 75 Resp: 73797
 Ion Ratio Lower Upper
 75 100
 77 32.1 25.9 38.9



#62
 Bromoform
 Concen: 24.452 ug/L
 RT: 12.35 min Scan# 1713
 Delta R.T. -0.01 min
 Lab File: VW015493.D
 Acq: 27 May 2020 09:25

Tgt Ion: 173 Resp: 55558
 Ion Ratio Lower Upper
 173 100
 175 47.1 37.9 56.9
 254 8.8 6.8 10.2





#63

1,3-Dichlorobenzene

Concen: 23.916 ug/L

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW015493.D

Acq: 27 May 2020 09:25

Instrument :

MSVOA_W

ClientSampleId :

VSTD02507

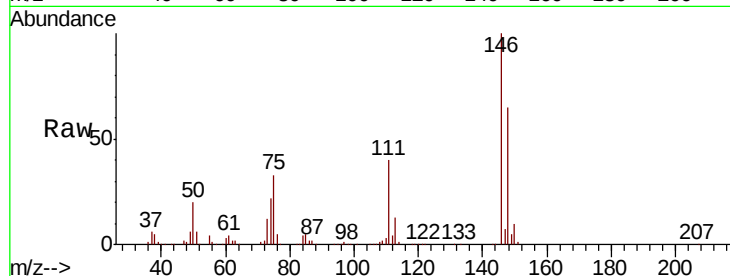
Tot Ion:146 Resp: 238652

Ion Ratio Lower Upper

146 100

111 40.0 29.3 54.5

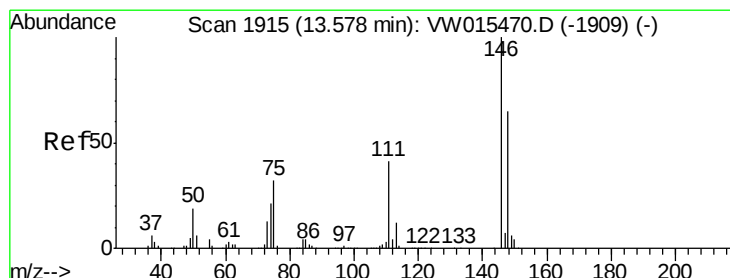
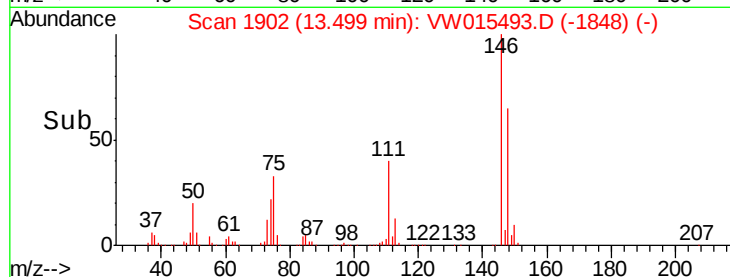
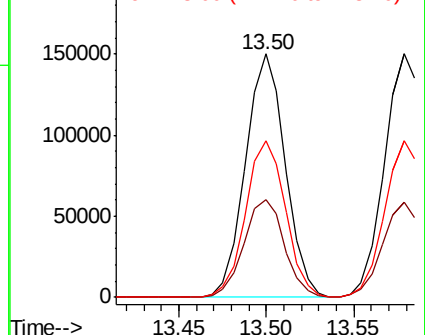
148 64.5 42.5 78.9



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



#64

1,4-Dichlorobenzene

Concen: 24.606 ug/L

RT: 13.58 min Scan# 1915

Delta R.T. 0.00 min

Lab File: VW015493.D

Acq: 27 May 2020 09:25

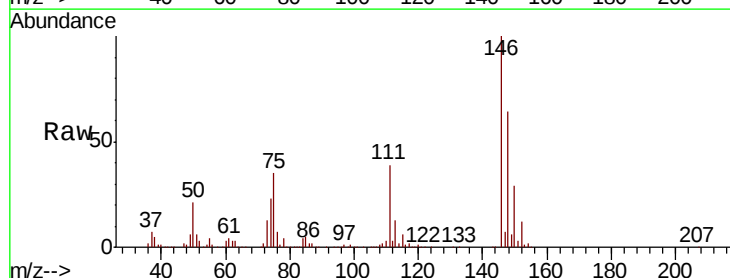
Tgt Ion:146 Resp: 240592

Ion Ratio Lower Upper

146 100

111 39.3 28.1 52.1

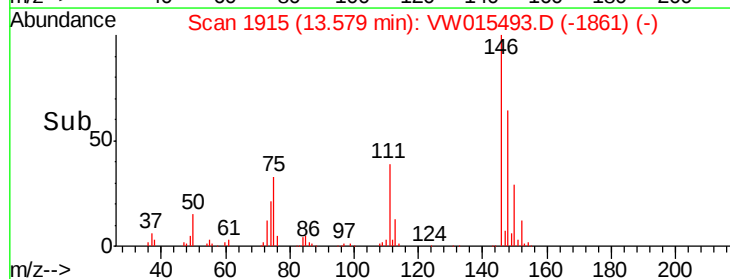
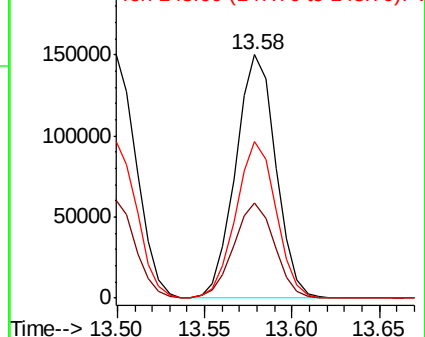
148 64.1 43.3 80.3

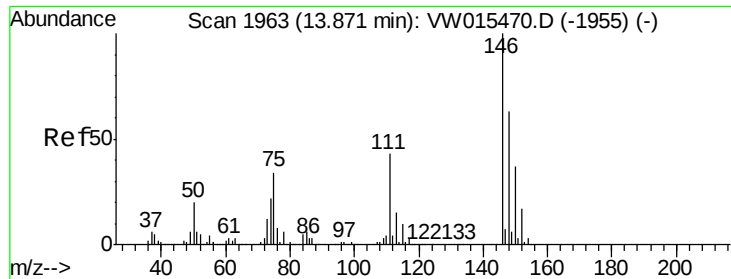


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

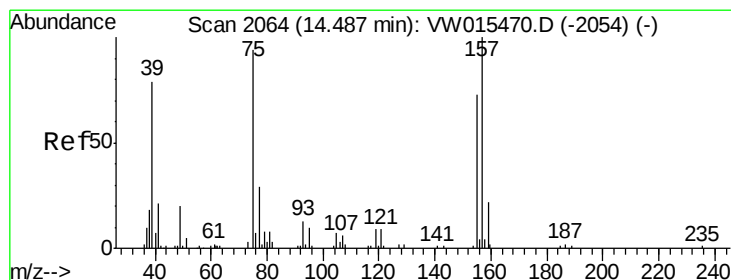
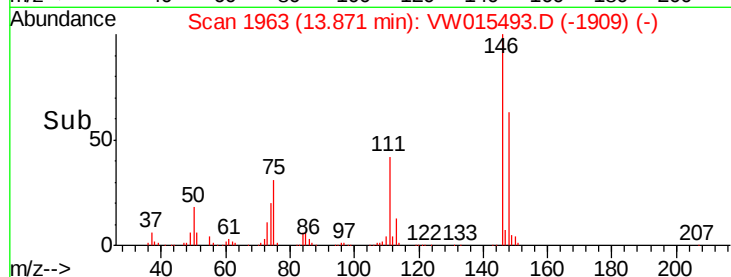
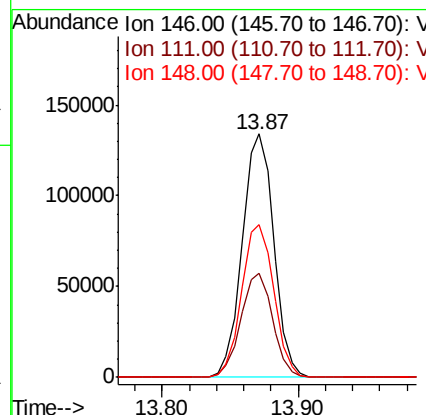
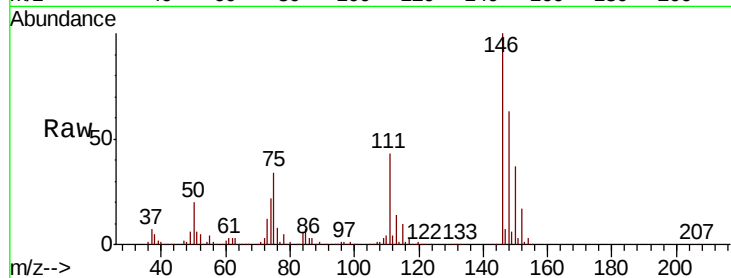




#65
 1,2-Dichlorobenzene
 Concen: 25.073 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW015493.D
 Acq: 27 May 2020 09:25

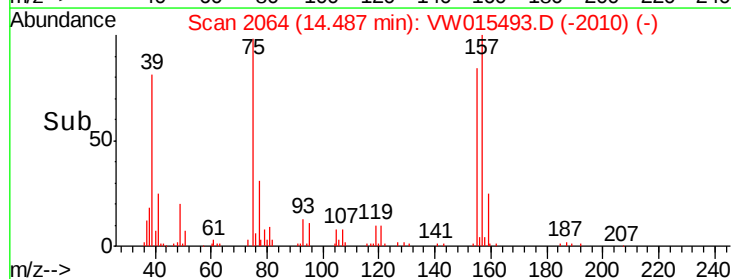
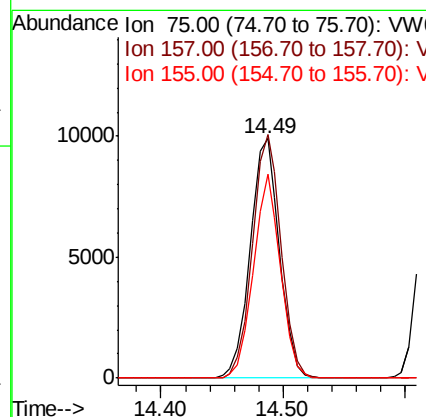
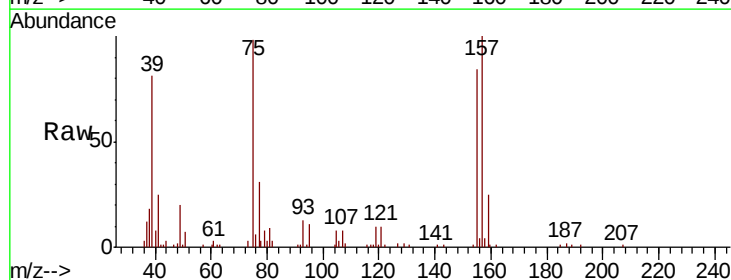
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02507

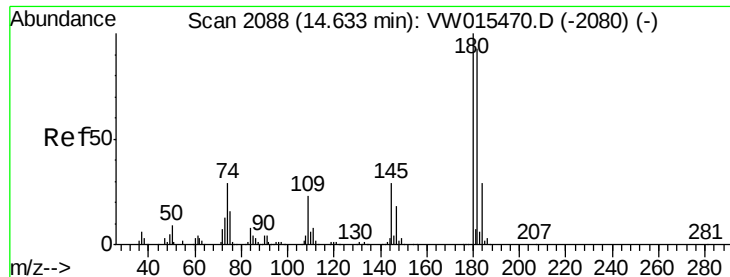
Tot Ion:146 Resp: 217429
 Ion Ratio Lower Upper
 146 100
 111 42.7 34.9 52.3
 148 62.8 51.8 77.8



#66
 1,2-Dibromo-3-chloropropane
 Concen: 24.982 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW015493.D
 Acq: 27 May 2020 09:25

Tgt Ion: 75 Resp: 16434
 Ion Ratio Lower Upper
 75 100
 157 101.6 87.4 131.0
 155 84.9 64.6 96.8

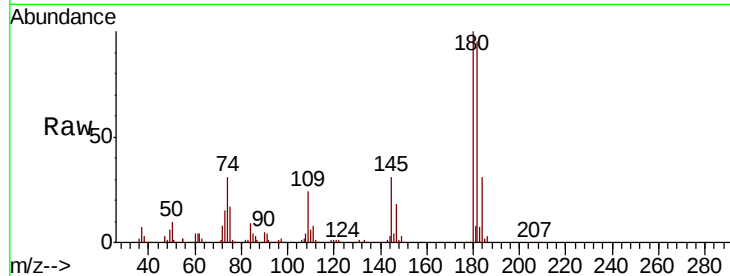




#67
 1,3,5-Trichlorobenzene
 Concen: 24.503 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. 0.00 min
 Lab File: VW015493.D
 Acq: 27 May 2020 09:25

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02507

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.9	76.6	114.8
184	31.0	24.4	36.6
145	31.4	24.0	36.0



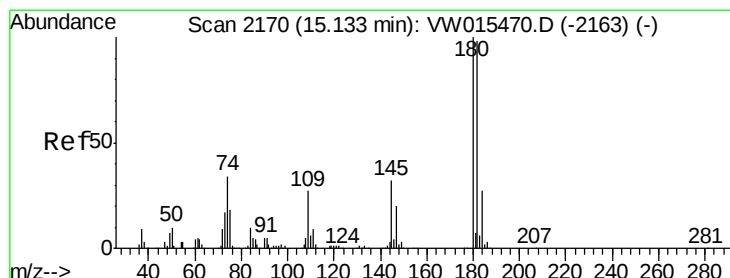
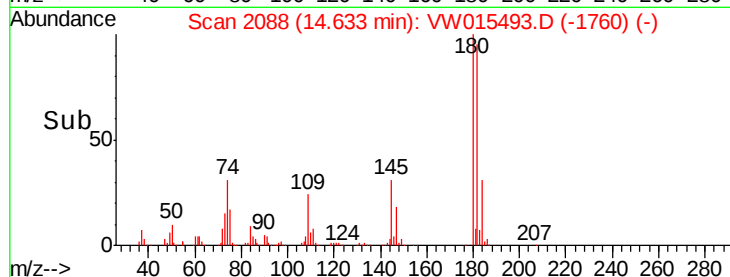
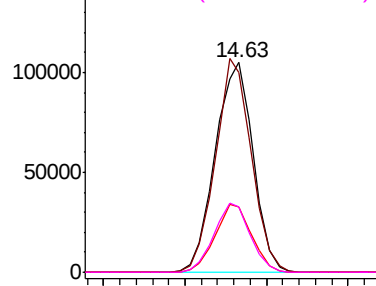
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

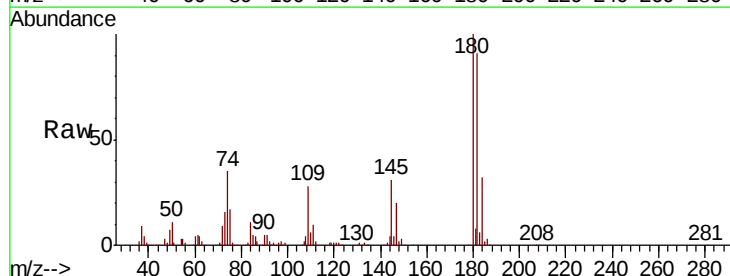
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 25.836 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW015493.D
 Acq: 27 May 2020 09:25

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.8	76.1	114.1
145	30.7	25.2	37.8

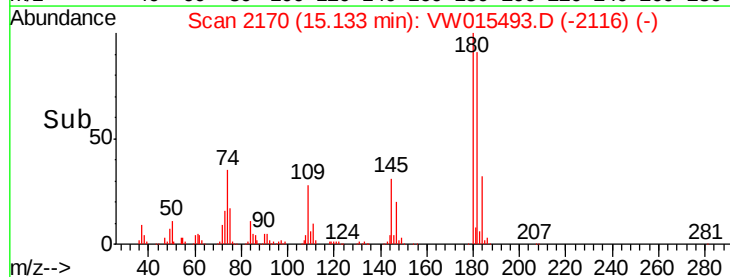
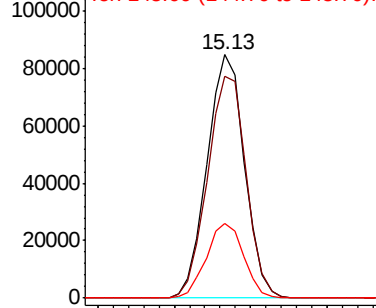


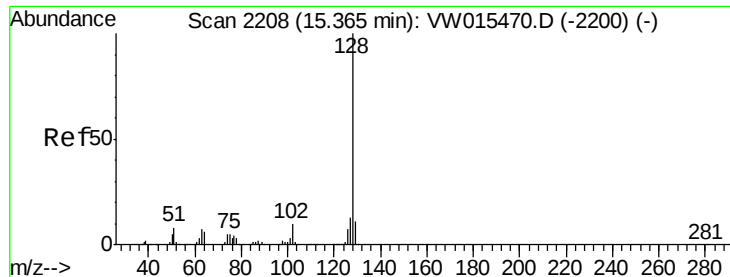
Abundance

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: 26.997 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. 0.01 min

Lab File: VW015493.D

Acq: 27 May 2020 09:25

Instrument :

MSVOA_W

ClientSampleId :

VSTD02507

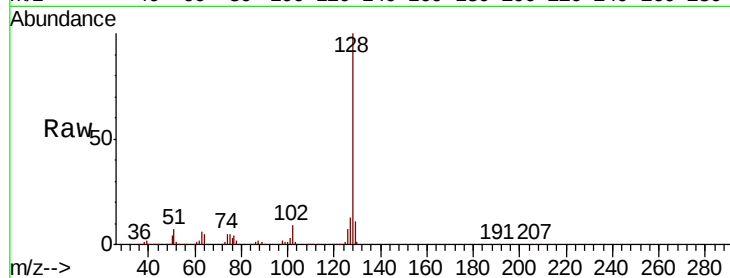
Tot Ion:128 Resp: 272764

Ion Ratio Lower Upper

128 100

129 11.1 8.6 12.8

127 13.1 10.6 15.8

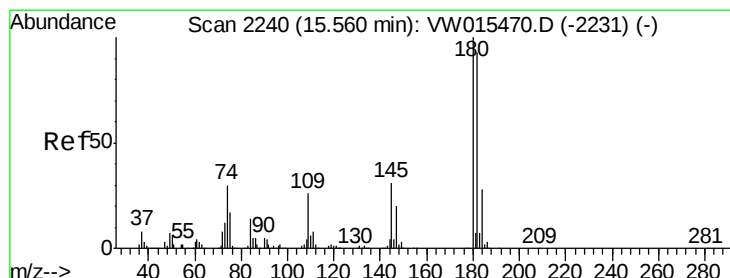
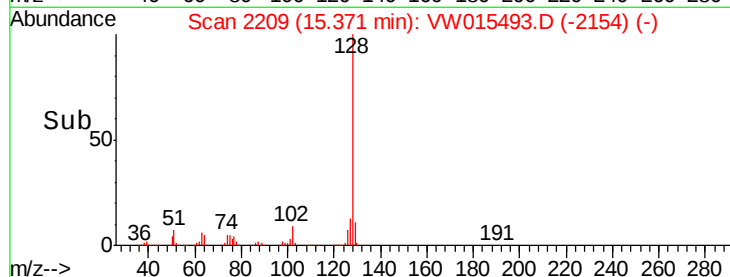
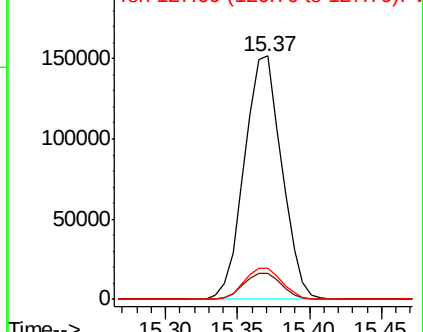


Abundance

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: 26.629 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. 0.00 min

Lab File: VW015493.D

Acq: 27 May 2020 09:25

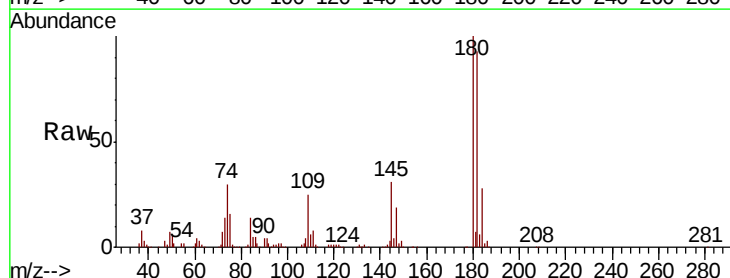
Tgt Ion:180 Resp: 126057

Ion Ratio Lower Upper

180 100

182 93.1 75.4 113.2

145 32.8 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

