

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW091520\
 Data File : VW016567.D
 Acq On : 15 Sep 2020 20:46
 Operator : SY/VA
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02521

Quant Time: Sep 16 04:38:58 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM091520S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Sep 16 04:36:48 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	606984	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	542036	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	273140	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.37	65	137290	23.37	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	93.48%
7) Chloroethane-d5	2.90	69	110956	23.13	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	92.52%
10) 1,1-Dichloroethene-d2	4.04	63	311532	23.72	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	94.88%
20) 2-Butanone-d5	7.09	46	74142	46.29	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	92.58%
24) Chloroform-d	7.66	84	302218	23.80	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	95.20%
26) 1,2-Dichloroethane-d4	8.31	65	156829	24.06	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	96.24%
29) Benzene-d6	8.28	84	571392	23.50	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	94.00%
33) 1,2-Dichloropropane-d6	9.28	67	158083	24.00	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	96.00%
37) Toluene-d8	10.33	98	559818	23.41	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	93.64%
38) trans-1,3-Dichloropropene-	10.59	79	77000	23.19	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	92.76%
39) 2-Hexanone-d5	10.93	63	59533	49.69	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	99.38%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	135809	24.23	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	96.92%
61) 1,2-Dichlorobenzene-d4	13.86	152	207362	23.76	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	95.04%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.03	85	178504	23.806	ug/L 99
3) Chloromethane	2.23	50	134744	24.558	ug/L 99
5) Vinyl chloride	2.38	62	199102	24.591	ug/L 99
6) Bromomethane	2.79	94	152583	24.836	ug/L 100
8) Chloroethane	2.94	64	121577	25.383	ug/L 99
9) Trichlorofluoromethane	3.28	101	188914	23.142	ug/L 100
11) 1,1,2-Trichloro-1,2,2-trif	4.09	101	195833	25.041	ug/L 99
12) 1,1-Dichloroethene	4.06	96	189306	24.622	ug/L 97
13) Acetone	4.13	43	63512	50.617	ug/L 98
14) Carbon disulfide	4.40	76	574403	24.764	ug/L 100
15) Methyl Acetate	4.68	43	75680	26.487	ug/L 98
16) Methylene chloride	4.93	84	205086	21.907	ug/L 99
17) Methyl tert-butyl Ether	5.44	73	284868	27.051	ug/L 100
18) trans-1,2-Dichloroethene	5.44	96	200801	25.220	ug/L 98
19) 1,1-Dichloroethane	6.23	63	322872	25.643	ug/L 97
21) 2-Butanone	7.18	43	99815	46.758	ug/L 97
22) cis-1,2-Dichloroethene	7.18	96	213427	25.835	ug/L 98

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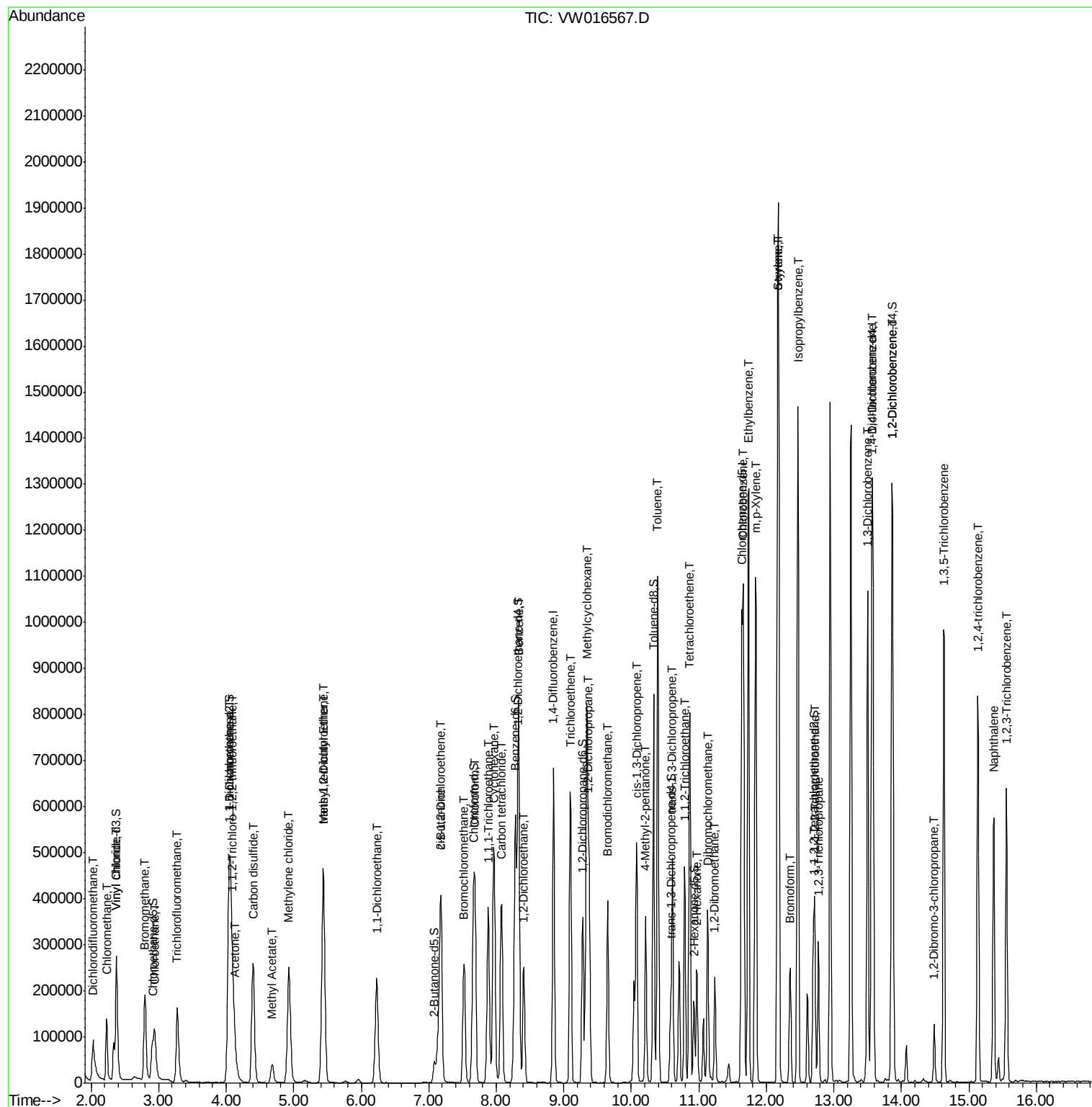
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.52	128	103145	25.682	ug/L	98
25) Chloroform	7.68	83	356367	25.959	ug/L	99
27) 1,2-Dichloroethane	8.41	62	229479	26.053	ug/L	100
30) Cyclohexane	7.96	56	287963	24.311	ug/L	100
31) 1,1,1-Trichloroethane	7.88	97	318429	25.154	ug/L	100
32) Carbon tetrachloride	8.08	117	304152	24.730	ug/L	97
34) Benzene	8.33	78	739464	25.453	ug/L	100
35) Trichloroethene	9.10	95	207228	24.654	ug/L	98
36) Methylcyclohexane	9.34	83	348908	24.472	ug/L	99
40) 1,2-Dichloropropane	9.37	63	173471	25.673	ug/L	99
41) Bromodichloromethane	9.65	83	260811	26.047	ug/L	96
42) cis-1,3-Dichloropropene	10.08	75	292917	25.379	ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	219318	51.087	ug/L	99
44) Toluene	10.40	91	835297	25.569	ug/L	98
45) trans-1,3-Dichloropropene	10.61	75	258950	25.787	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	147462	25.905	ug/L	96
47) Tetrachloroethene	10.87	164	187131	24.655	ug/L	95
49) 2-Hexanone	10.97	43	146829	53.891	ug/L	100
50) Dibromochloromethane	11.13	129	195885	26.357	ug/L	99
51) 1,2-Dibromoethane	11.24	107	149275	26.191	ug/L	92
52) Chlorobenzene	11.66	112	556268	25.350	ug/L	99
53) Ethylbenzene	11.74	91	938126	25.293	ug/L	97
54) m,p-Xylene	11.84	106	364720	25.113	ug/L	100
55) o-xylene	12.17	106	352862	25.361	ug/L	99
56) Styrene	12.18	104	594425	25.728	ug/L	100
57) Isopropylbenzene	12.47	105	972394	25.577	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.72	83	167838	26.366	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	123768	26.104	ug/L	100
62) Bromoform	12.35	173	117259	25.452	ug/L	98
63) 1,3-Dichlorobenzene	13.50	146	451756	25.428	ug/L	97
64) 1,4-Dichlorobenzene	13.58	146	434422	24.969	ug/L	93
65) 1,2-Dichlorobenzene	13.87	146	404772	25.498	ug/L	94
66) 1,2-Dibromo-3-chloropropan	14.49	75	30302	26.630	ug/L	98
67) 1,3,5-Trichlorobenzene	14.63	180	327748	25.225	ug/L	96
68) 1,2,4-trichlorobenzene	15.13	180	279227	26.566	ug/L	100
69) Naphthalene	15.37	128	517997	27.801	ug/L	99
70) 1,2,3-Trichlorobenzene	15.56	180	232747	25.747	ug/L	99

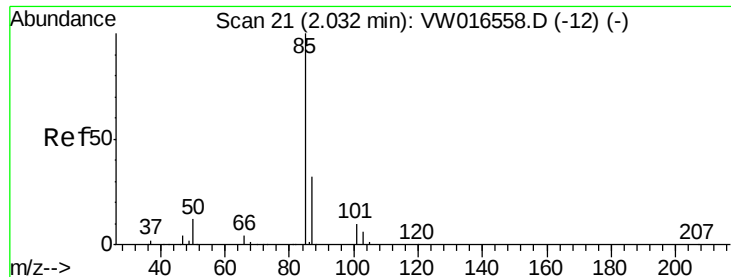
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 23.806 ug/L

RT: 2.03 min Scan# 20

Delta R.T. -0.01 min

Lab File: VW016567.D

Acq: 15 Sep 2020 20:46

Instrument :

MSVOA_W

ClientSampleId :

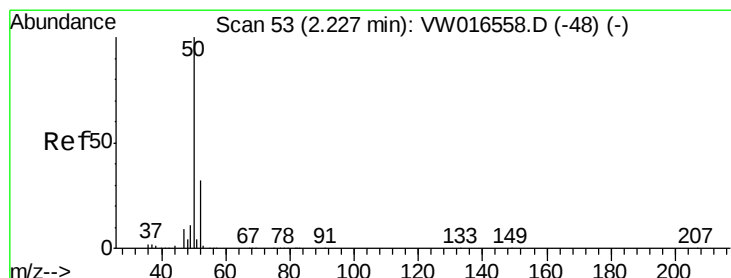
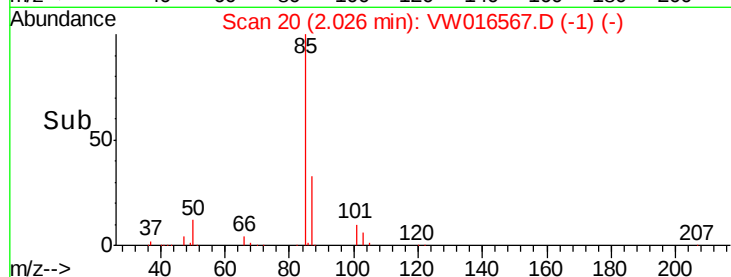
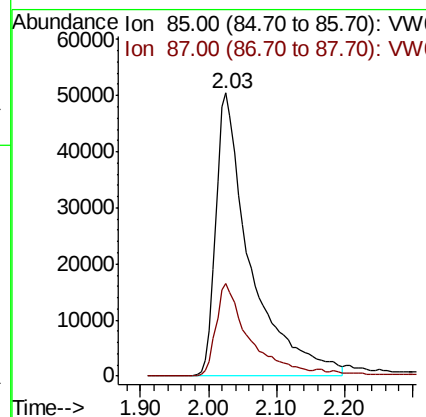
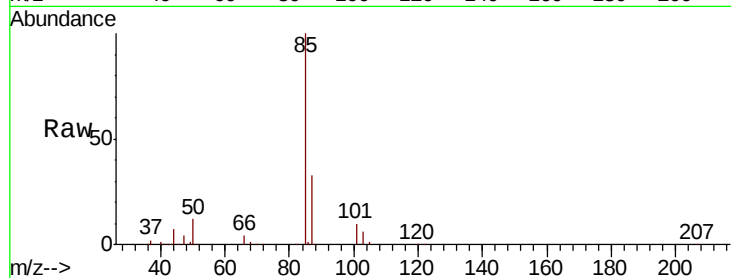
VSTD02521

Tot Ion: 85 Resp: 178504

Ion Ratio Lower Upper

85 100

87 30.9 22.2 41.2



#3

Chloromethane

Concen: 24.558 ug/L

RT: 2.23 min Scan# 53

Delta R.T. 0.00 min

Lab File: VW016567.D

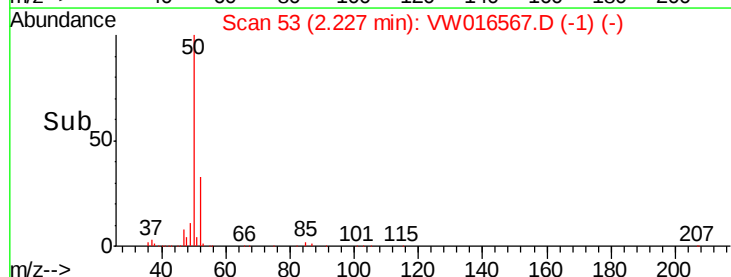
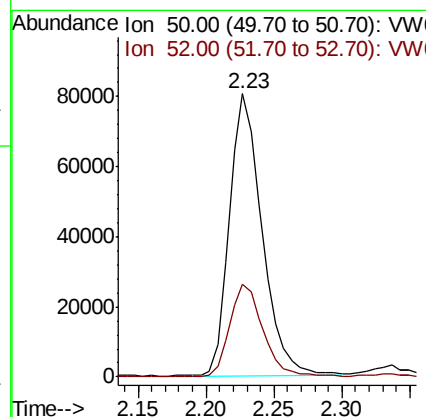
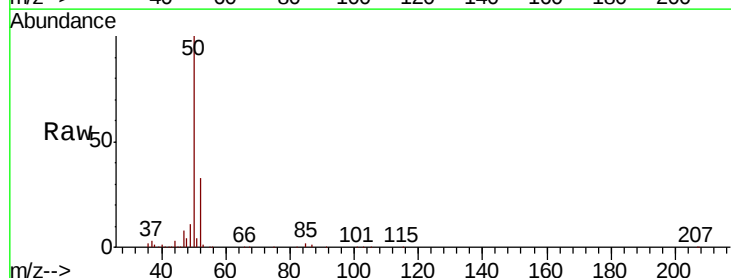
Acq: 15 Sep 2020 20:46

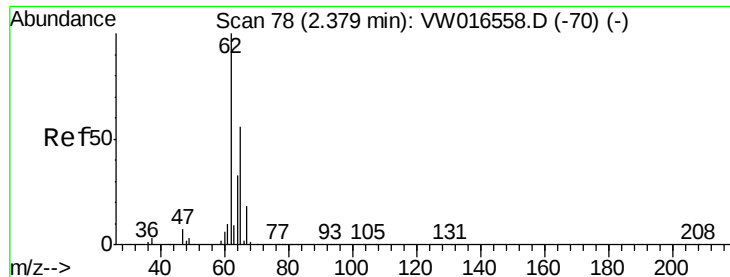
Tgt Ion: 50 Resp: 134744

Ion Ratio Lower Upper

50 100

52 32.5 22.4 41.6





#5

Vinyl chloride

Concen: 24.591 ug/L

RT: 2.38 min Scan# 78

Delta R.T. 0.00 min

Lab File: VW016567.D

Acq: 15 Sep 2020 20:46

Instrument :

MSVOA_W

ClientSampleId :

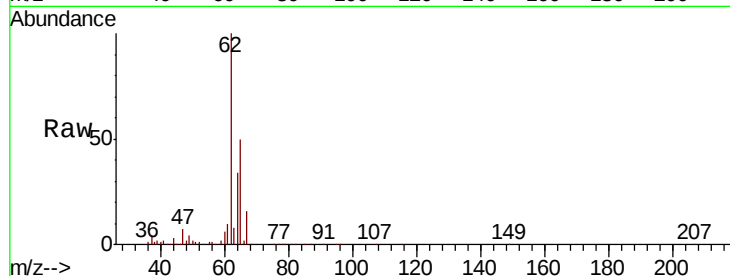
VSTD02521

Tot Ion: 62 Resp: 199102

Ion Ratio Lower Upper

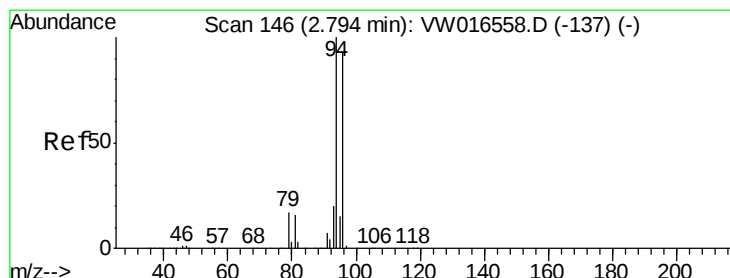
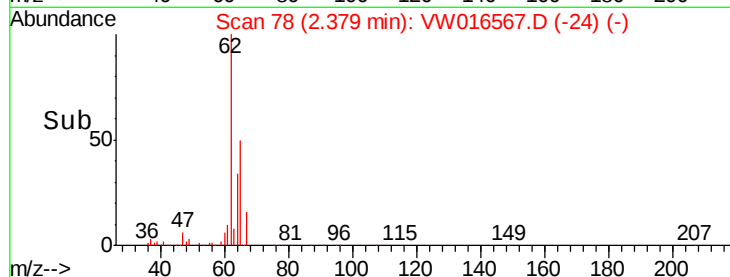
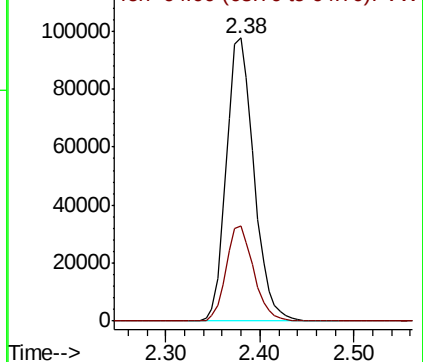
62 100

64 33.8 23.4 43.4



Abundance Ion 62.00 (61.70 to 62.70): VW

Ion 64.00 (63.70 to 64.70): VW



#6

Bromomethane

Concen: 24.836 ug/L

RT: 2.79 min Scan# 146

Delta R.T. 0.00 min

Lab File: VW016567.D

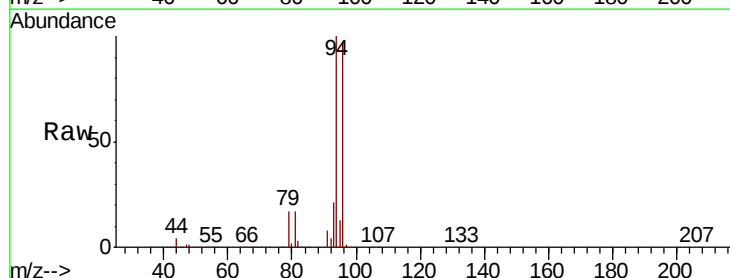
Acq: 15 Sep 2020 20:46

Tgt Ion: 94 Resp: 152583

Ion Ratio Lower Upper

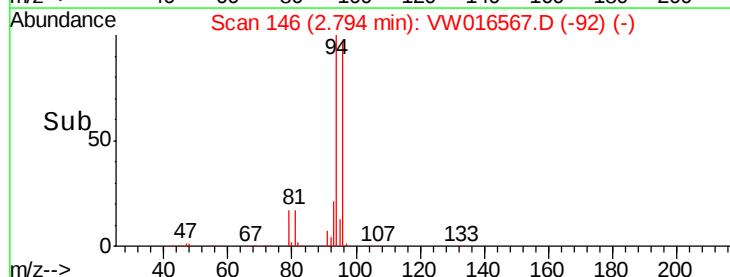
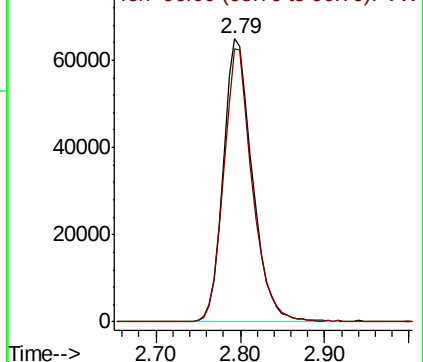
94 100

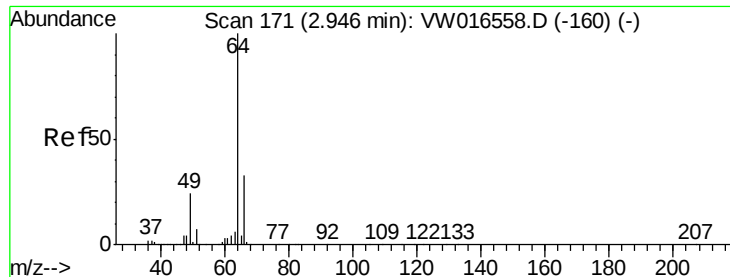
96 95.3 9.6 181.6



Abundance Ion 94.00 (93.70 to 94.70): VW

Ion 96.00 (95.70 to 96.70): VW





#8

Chloroethane

Concen: 25.383 ug/L

RT: 2.94 min Scan# 170

Delta R.T. -0.01 min

Lab File: VW016567.D

Acq: 15 Sep 2020 20:46

Instrument :

MSVOA_W

ClientSampleId :

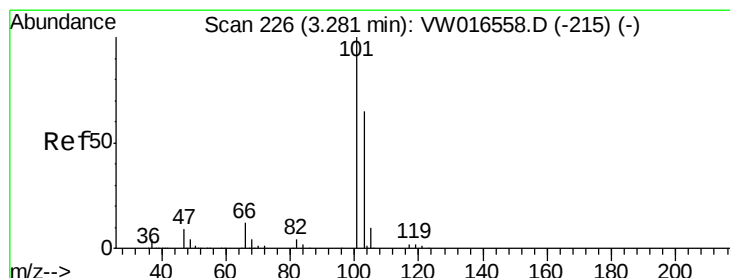
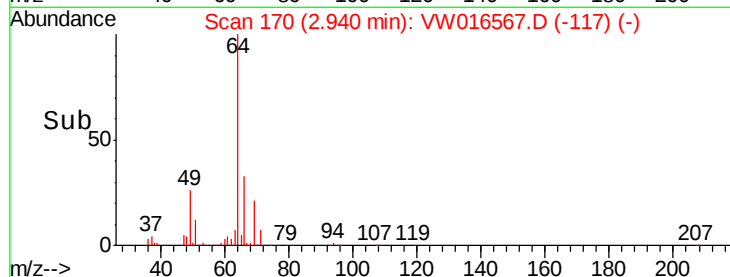
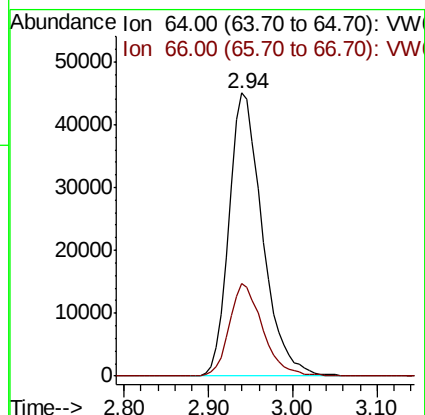
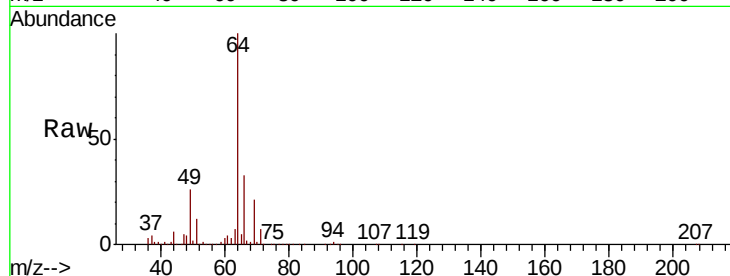
VSTD02521

Tot Ion: 64 Resp: 121577

Ion Ratio Lower Upper

64 100

66 32.9 23.2 43.2



#9

Trichlorofluoromethane

Concen: 23.142 ug/L

RT: 3.28 min Scan# 225

Delta R.T. -0.01 min

Lab File: VW016567.D

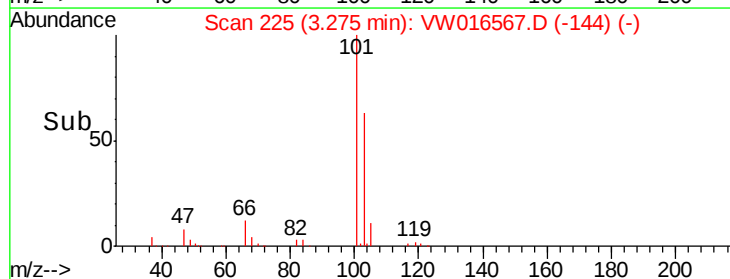
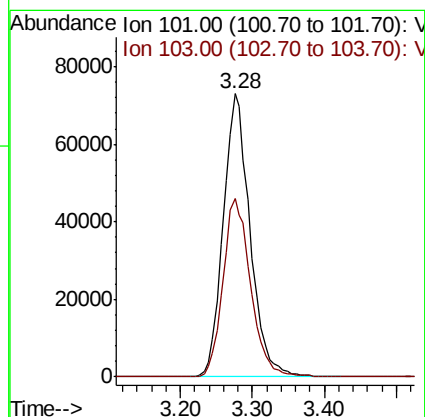
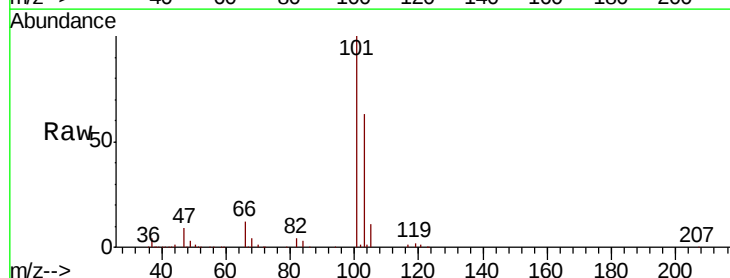
Acq: 15 Sep 2020 20:46

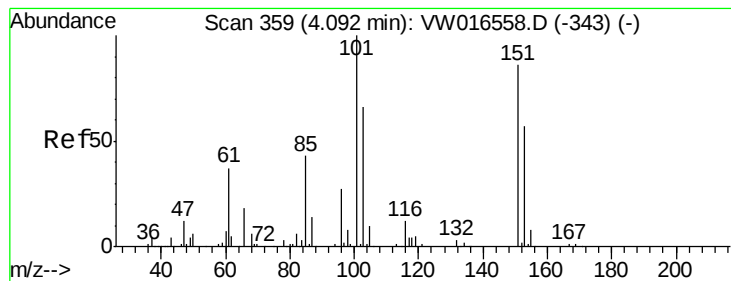
Tgt Ion: 101 Resp: 188914

Ion Ratio Lower Upper

101 100

103 64.6 45.2 84.0





#11

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

Concen: 25.041 ug/L

RT: 4.09 min Scan# 359

Delta R.T. 0.00 min

Lab File: VW016567.D

Acq: 15 Sep 2020 20:46

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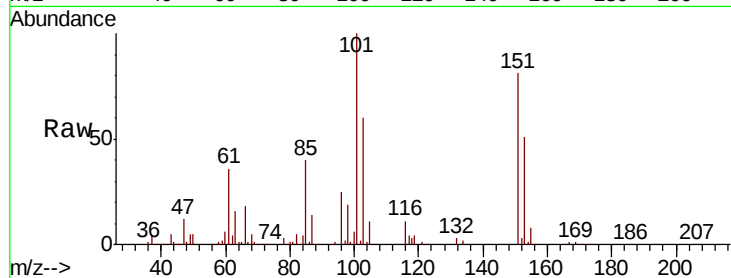
Tot Ion:101 Resp: 195833

Ion Ratio Lower Upper

101 100

85 41.9 32.6 49.0

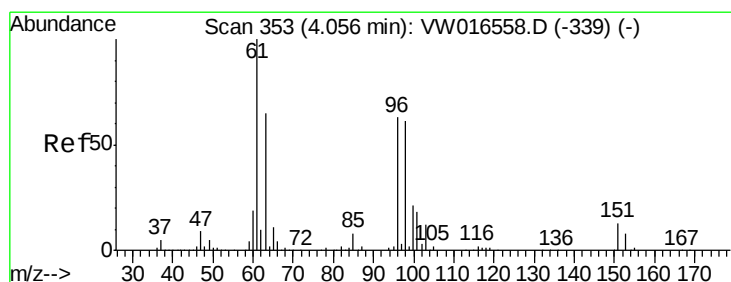
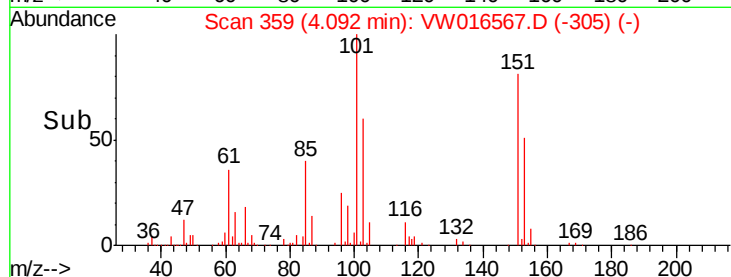
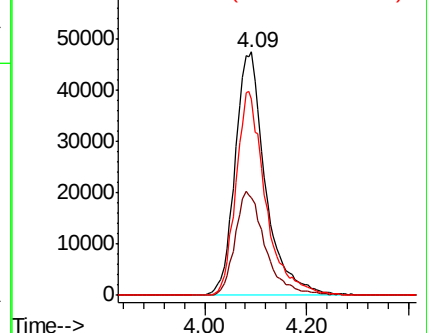
151 81.3 66.0 99.0



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: 24.622 ug/L

RT: 4.06 min Scan# 353

Delta R.T. 0.00 min

Lab File: VW016567.D

Acq: 15 Sep 2020 20:46

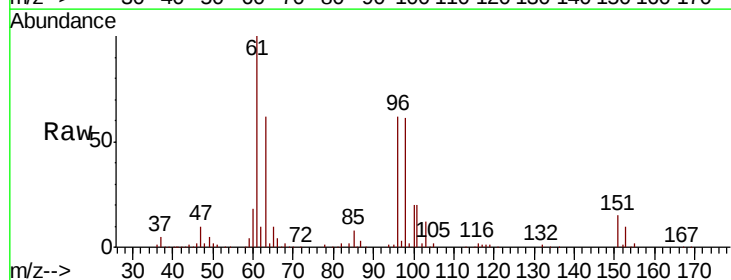
Tgt Ion: 96 Resp: 189306

Ion Ratio Lower Upper

96 100

61 161.1 111.4 206.8

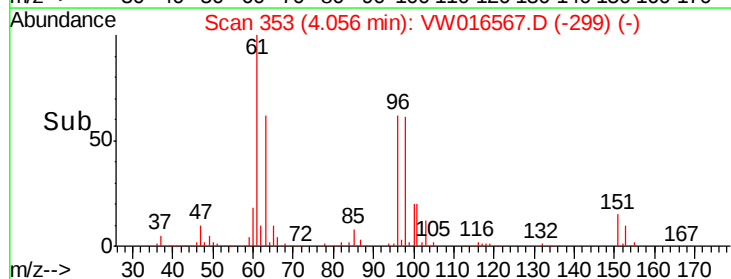
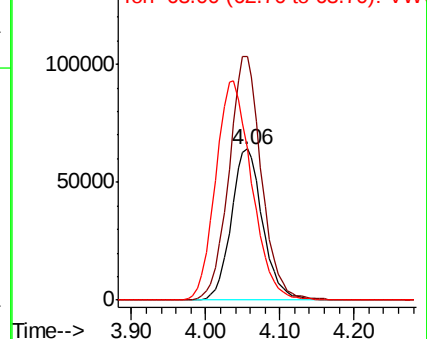
63 100.1 73.0 135.6

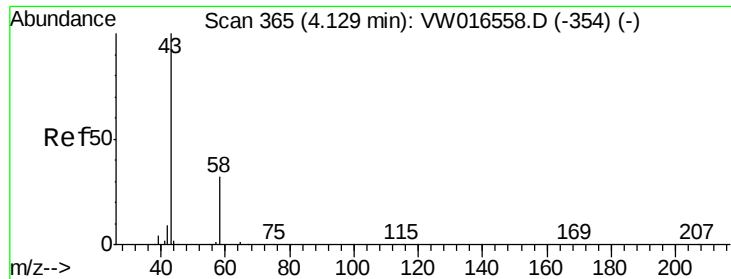


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW

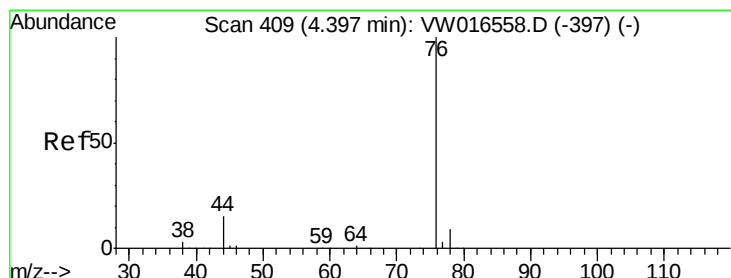
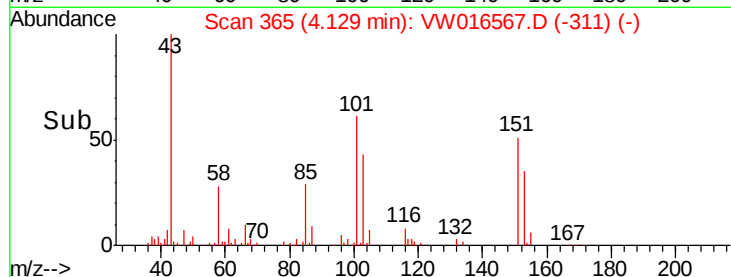
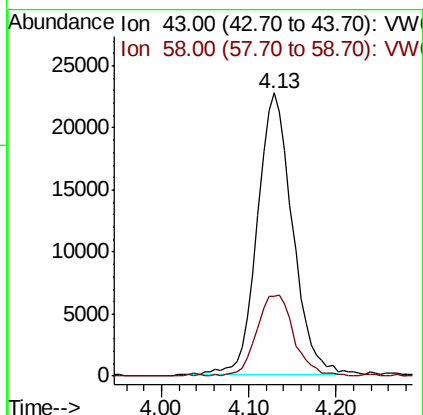
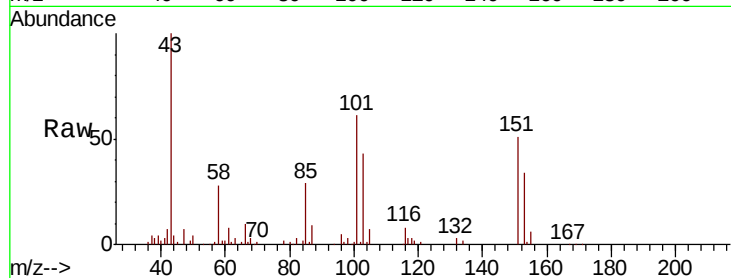




#13
Acetone
Concen: 50.617 ug/L
RT: 4.13 min Scan# 365
Delta R.T. 0.00 min
Lab File: VW016567.D
Acq: 15 Sep 2020 20:46

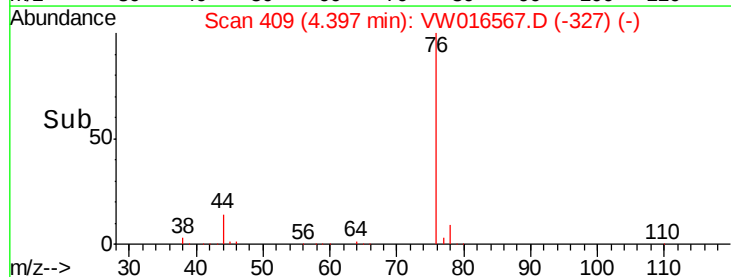
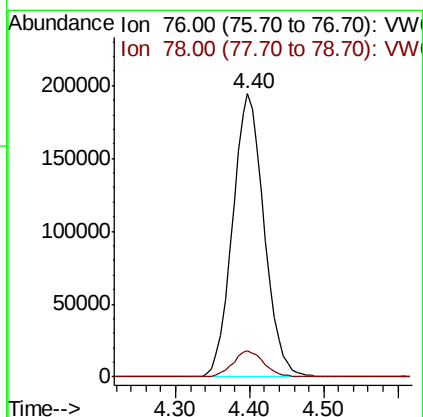
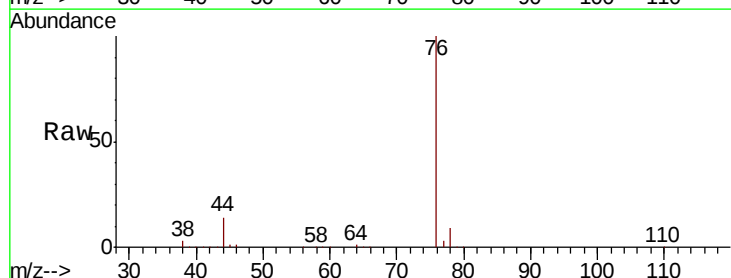
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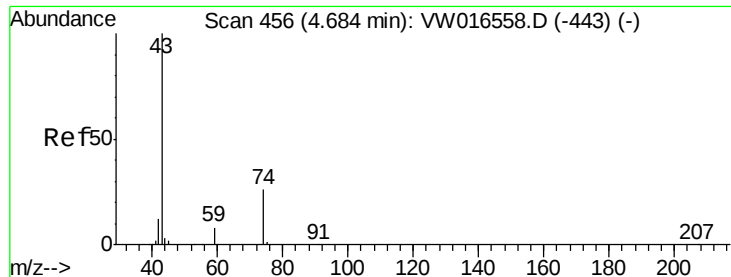
Tot Ion: 43 Resp: 63512
Ion Ratio Lower Upper
43 100
58 29.2 0.0 60.2



#14
Carbon disulfide
Concen: 24.764 ug/L
RT: 4.40 min Scan# 409
Delta R.T. 0.00 min
Lab File: VW016567.D
Acq: 15 Sep 2020 20:46

Tgt Ion: 76 Resp: 574403
Ion Ratio Lower Upper
76 100
78 9.2 7.3 10.9

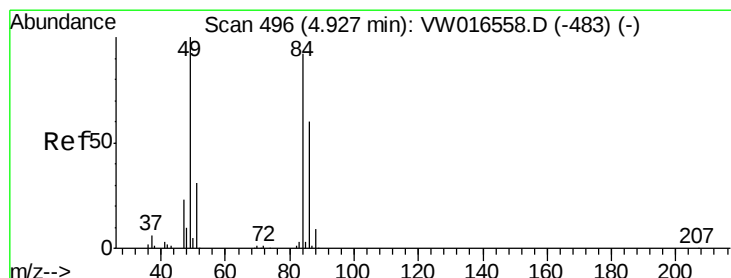
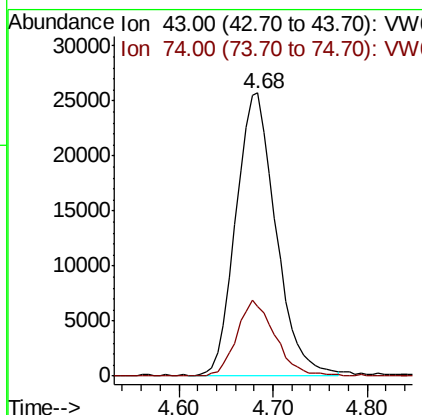
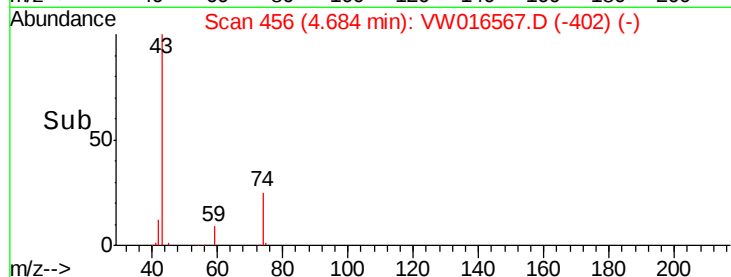
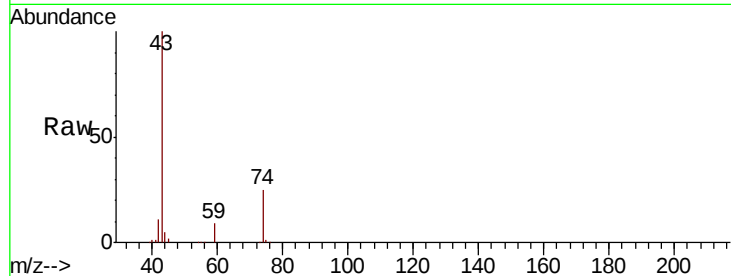




#15
Methyl Acetate
Concen: 26.487 ug/L
RT: 4.68 min Scan# 456
Delta R.T. 0.00 min
Lab File: VW016567.D
Acq: 15 Sep 2020 20:46

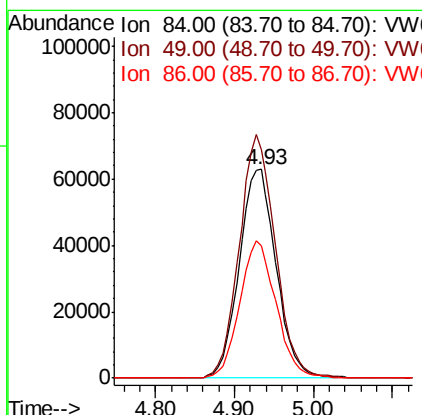
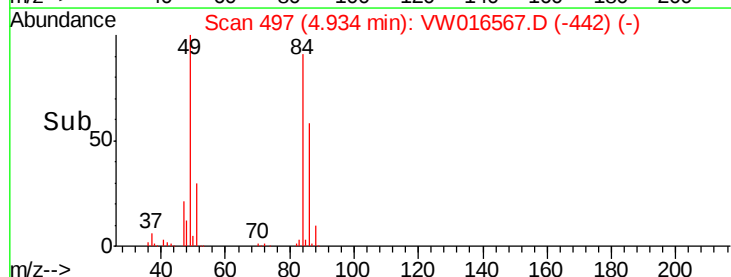
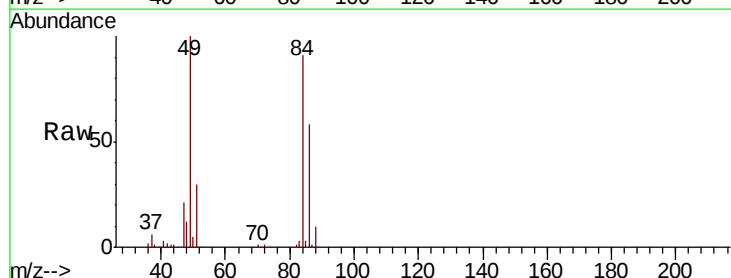
Instrument :
MSVOA_W
ClientSampled :
VSTD02521

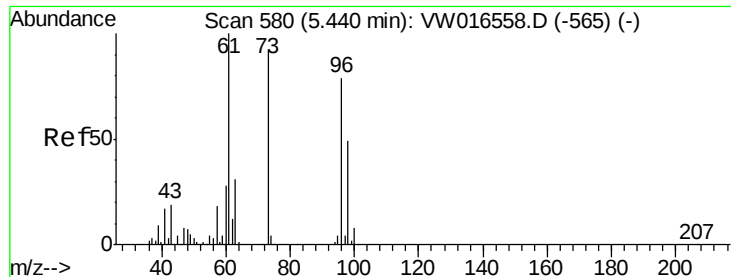
Tot Ion: 43 Resp: 75680
Ion Ratio Lower Upper
43 100
74 25.9 21.5 32.3



#16
Methylene chloride
Concen: 21.907 ug/L
RT: 4.93 min Scan# 497
Delta R.T. 0.01 min
Lab File: VW016567.D
Acq: 15 Sep 2020 20:46

Tgt Ion: 84 Resp: 205086
Ion Ratio Lower Upper
84 100
49 109.4 76.0 141.2
86 63.0 45.6 84.6





#17

Methvl tert-butvl Ether

Concen: 27.051 ug/L

RT: 5.44 min Scan# 580

Delta R.T. 0.00 min

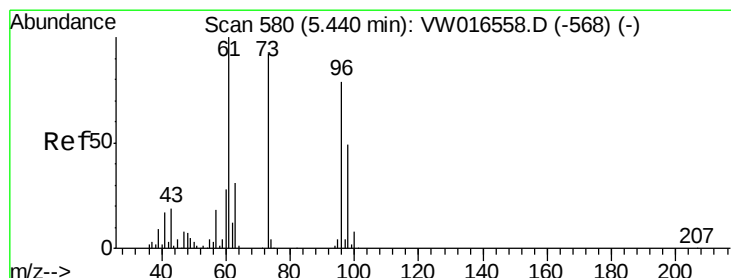
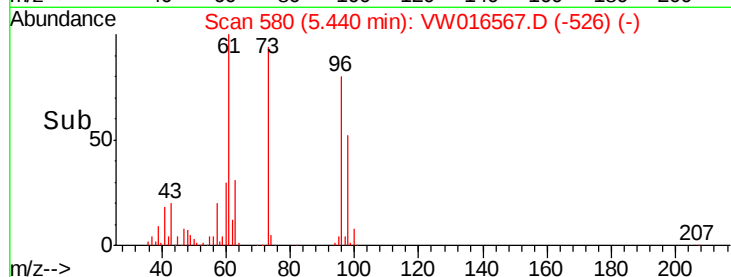
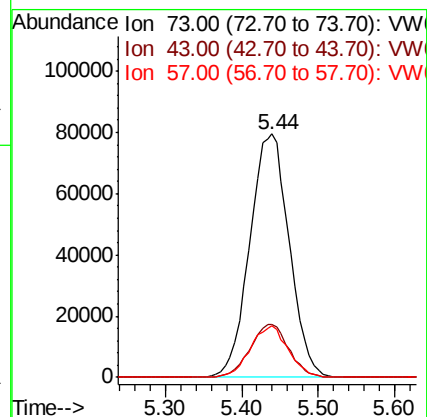
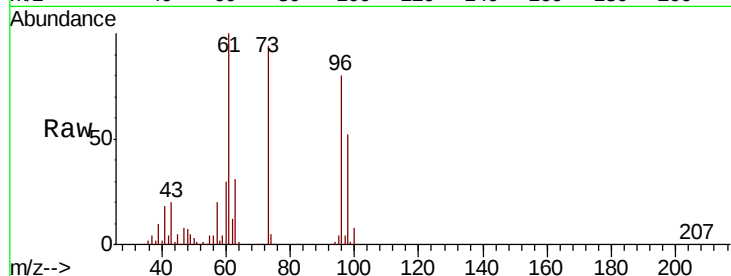
Lab File: VW016567.D

Acq: 15 Sep 2020 20:46

Instrument :
MSVOA_W
ClientSampled :
VSTD02521

Tot Ion: 73 Resp: 284868

Ion	Ratio	Lower	Upper
73	100		
43	21.2	17.2	25.8
57	20.3	16.3	24.5



#18

trans-1,2-Dichloroethene

Concen: 25.220 ug/L

RT: 5.44 min Scan# 580

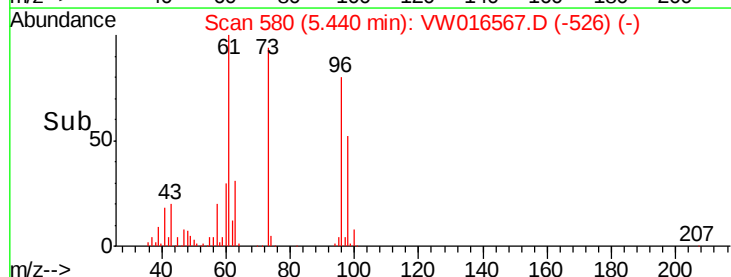
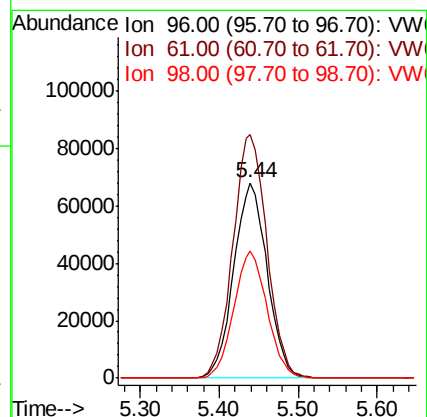
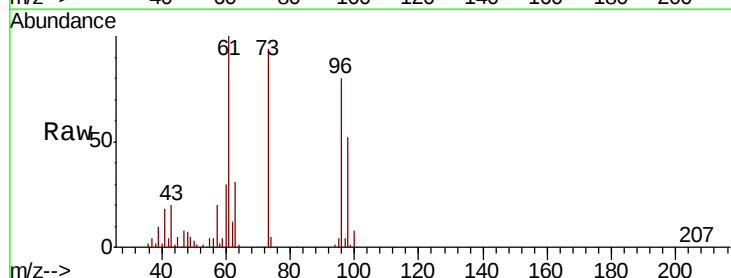
Delta R.T. 0.00 min

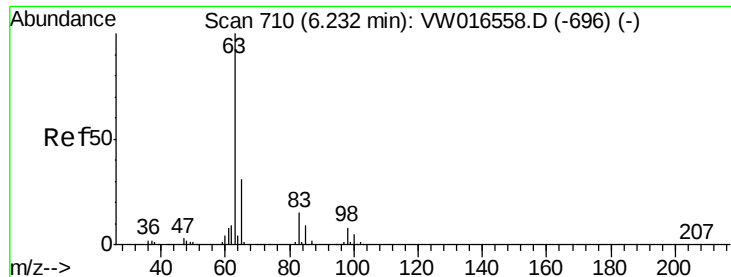
Lab File: VW016567.D

Acq: 15 Sep 2020 20:46

Tgt Ion: 96 Resp: 200801

Ion	Ratio	Lower	Upper
96	100		
61	124.9	88.4	164.2
98	64.9	43.0	80.0

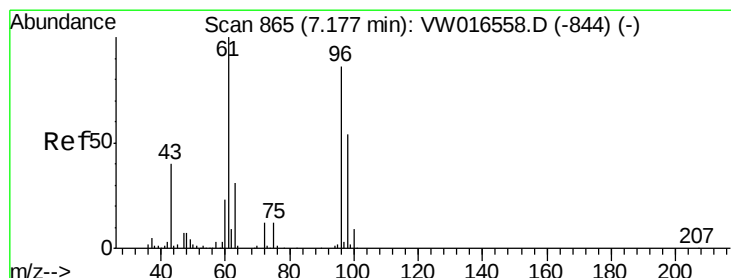
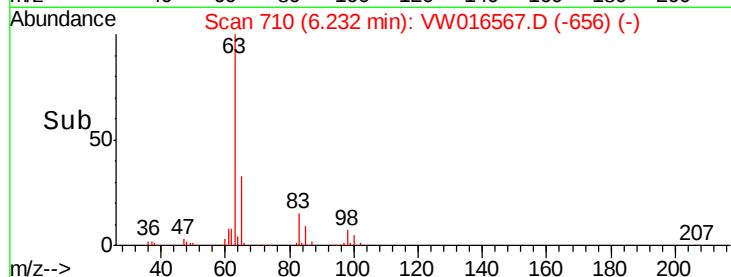
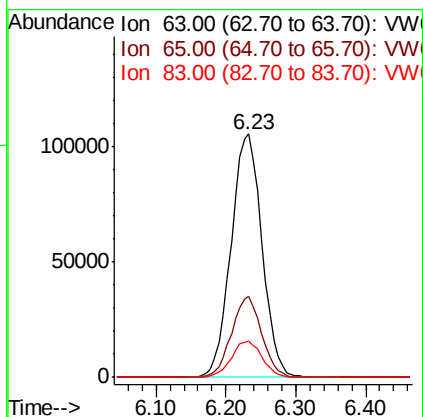
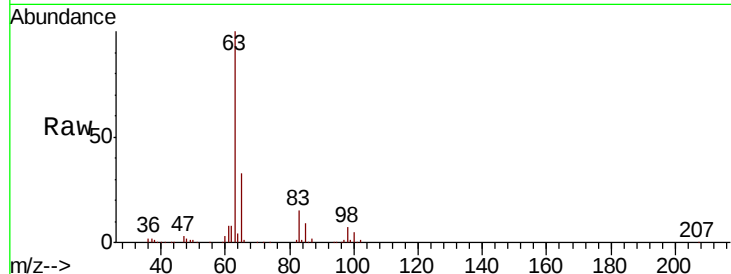




#19
 1,1-Dichloroethane
 Concen: 25.643 ug/L
 RT: 6.23 min Scan# 710
 Delta R.T. 0.00 min
 Lab File: VW016567.D
 Acq: 15 Sep 2020 20:46

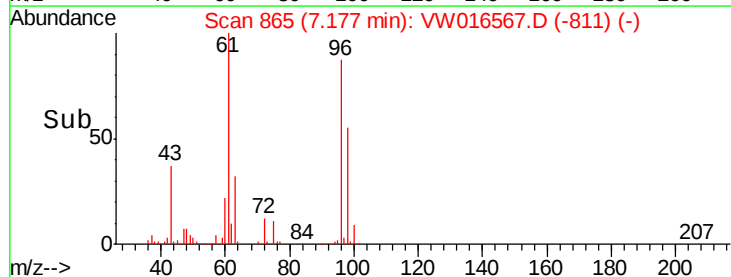
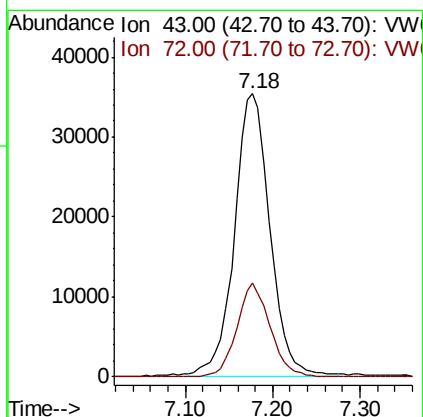
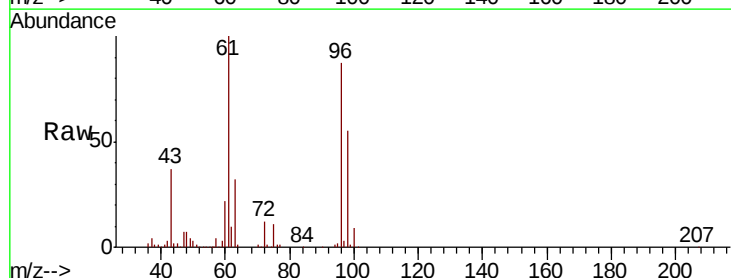
Instrument :
 MSVOA_W
 ClientSampled :
 VSTD02521

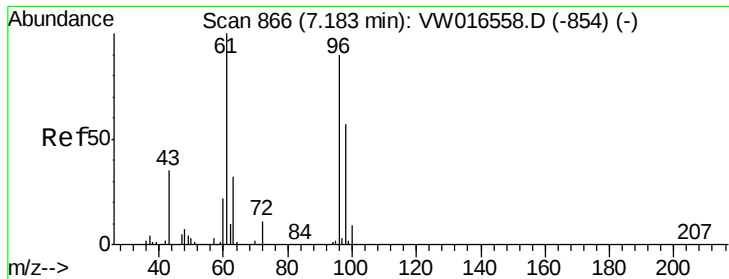
Tot Ion	Ratio	Lower	Upper
63	100		
65	33.1	21.6	40.0
83	14.9	10.4	19.2



#21
 2-Butanone
 Concen: 46.758 ug/L
 RT: 7.18 min Scan# 865
 Delta R.T. 0.00 min
 Lab File: VW016567.D
 Acq: 15 Sep 2020 20:46

Tgt Ion	Ratio	Lower	Upper
43	100		
72	31.0	14.6	43.8



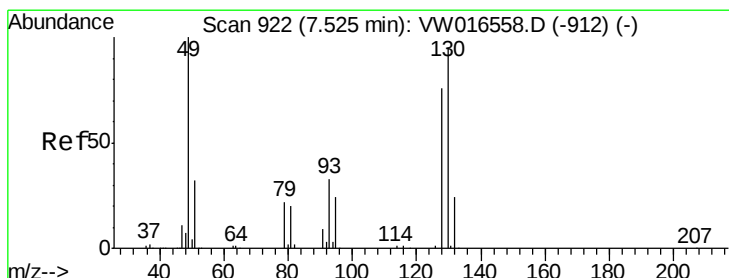
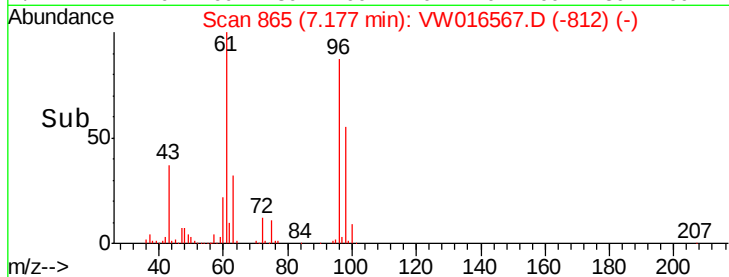
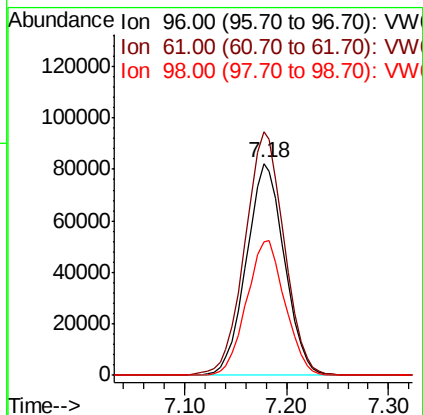
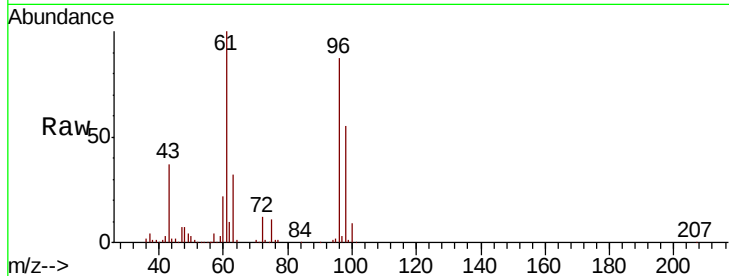


#22

cis-1,2-Dichloroethene
Concen: 25.835 ug/L
RT: 7.18 min Scan# 865
Delta R.T. -0.01 min
Lab File: VW016567.D
Acq: 15 Sep 2020 20:46

Instrument :
MSVOA_W
ClientSampleId :
VSTD02521

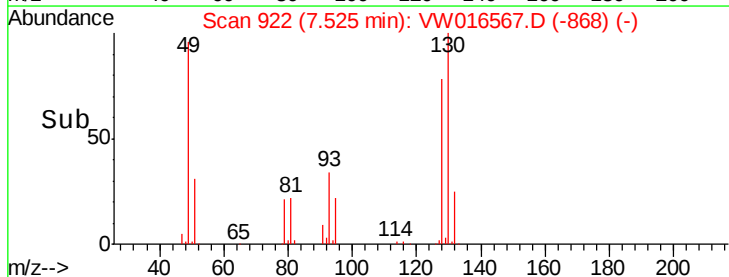
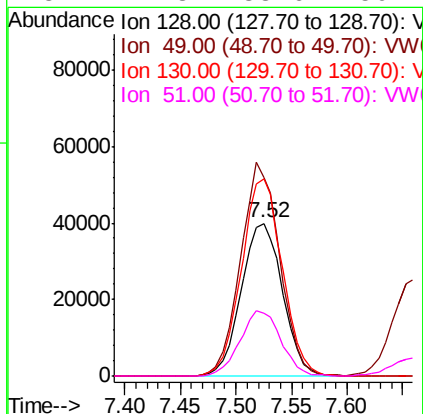
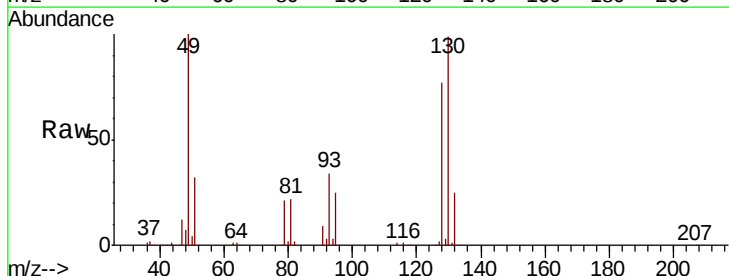
Tot Ion	96	Resp	213427
Ion	Ratio	Lower	Upper
96	100		
61	114.8	78.4	145.6
98	63.0	44.8	83.2

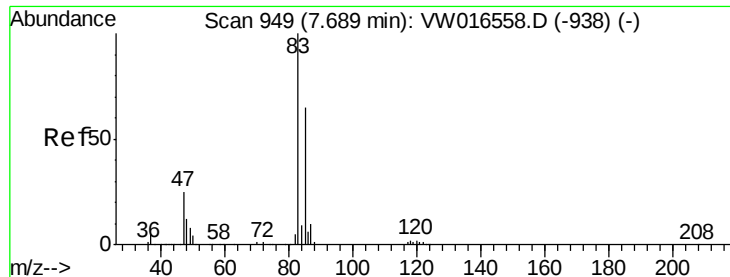


#23

Bromochloromethane
Concen: 25.682 ug/L
RT: 7.52 min Scan# 922
Delta R.T. 0.00 min
Lab File: VW016567.D
Acq: 15 Sep 2020 20:46

Tgt Ion	128	Resp	103145
Ion	Ratio	Lower	Upper
128	100		
49	129.5	92.1	171.1
130	128.6	87.8	163.0
51	41.3	33.6	50.4

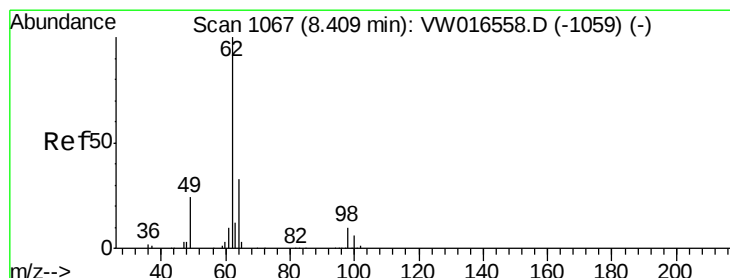
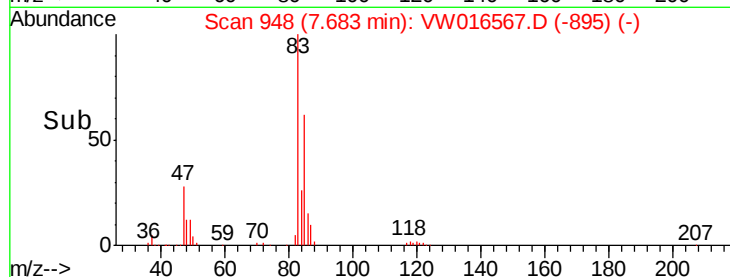
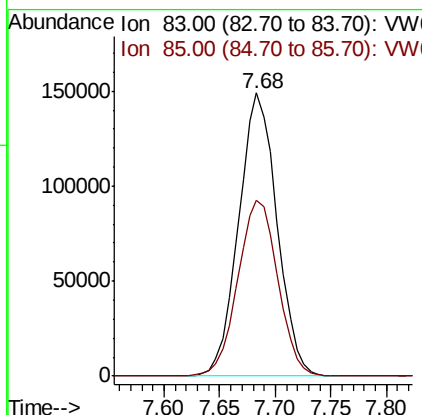
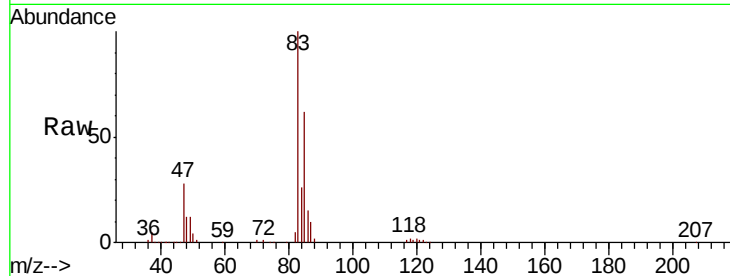




#25
Chloroform
Concen: 25.959 ug/L
RT: 7.68 min Scan# 948
Delta R.T. -0.01 min
Lab File: VW016567.D
Acq: 15 Sep 2020 20:46

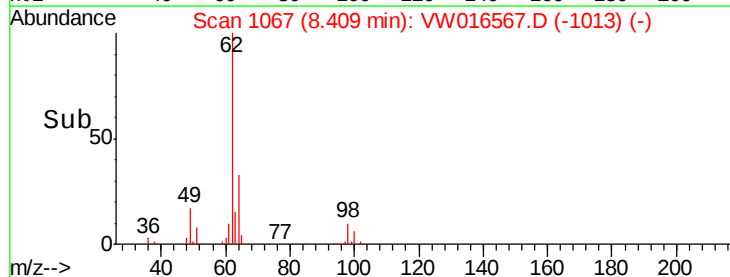
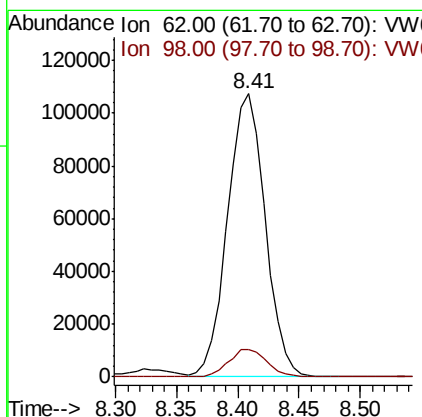
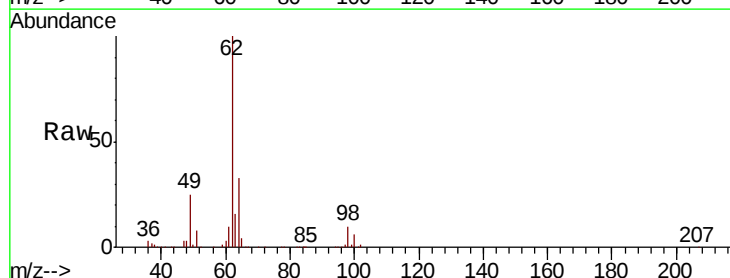
Instrument :
MSVOA_W
ClientSampleId :
VSTD02521

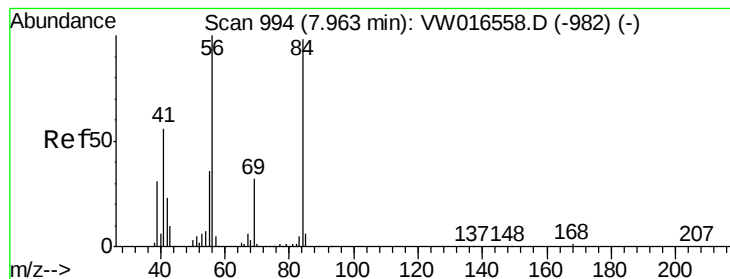
Tot Ion: 83 Resp: 356367
Ion Ratio Lower Upper
83 100
85 64.8 46.1 85.5



#27
1,2-Dichloroethane
Concen: 26.053 ug/L
RT: 8.41 min Scan# 1067
Delta R.T. 0.00 min
Lab File: VW016567.D
Acq: 15 Sep 2020 20:46

Tgt Ion: 62 Resp: 229479
Ion Ratio Lower Upper
62 100
98 9.7 7.9 11.9





#30

Cvclohexane

Concen: 24.311 ug/L

RT: 7.96 min Scan# 994

Delta R.T. 0.00 min

Lab File: VW016567.D

Acq: 15 Sep 2020 20:46

Instrument :

MSVOA_W

ClientSampleId :

VSTD02521

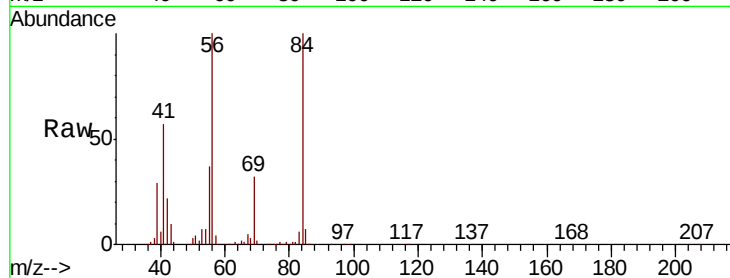
Tot Ion: 56 Resp: 287963

Ion Ratio Lower Upper

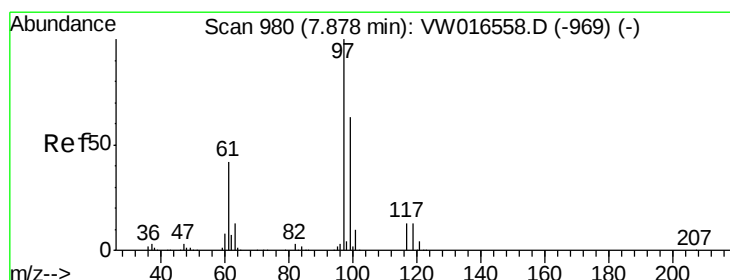
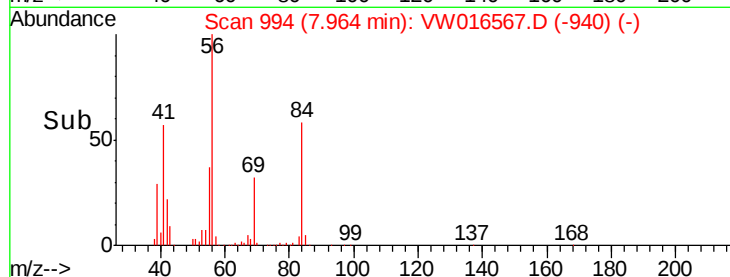
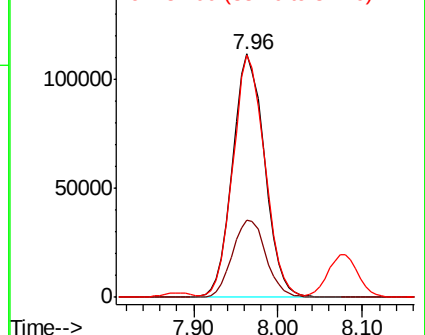
56 100

69 33.0 26.5 39.7

84 98.9 79.0 118.6



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: 25.154 ug/L

RT: 7.88 min Scan# 981

Delta R.T. 0.01 min

Lab File: VW016567.D

Acq: 15 Sep 2020 20:46

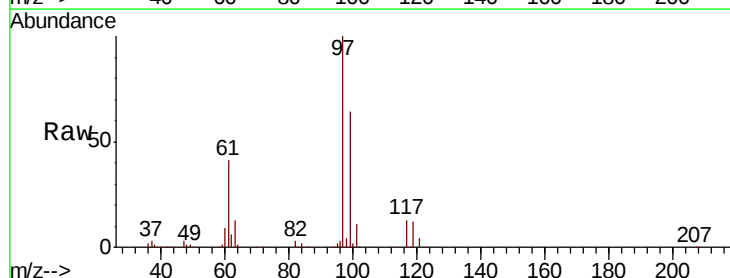
Tgt Ion: 97 Resp: 318429

Ion Ratio Lower Upper

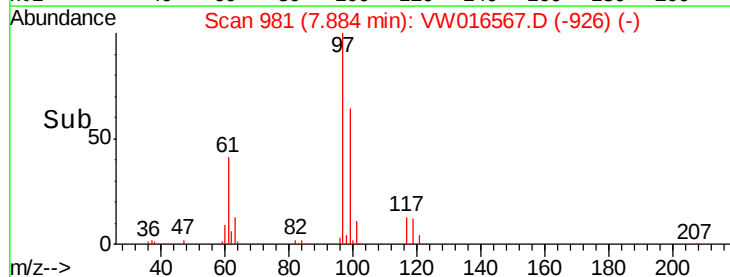
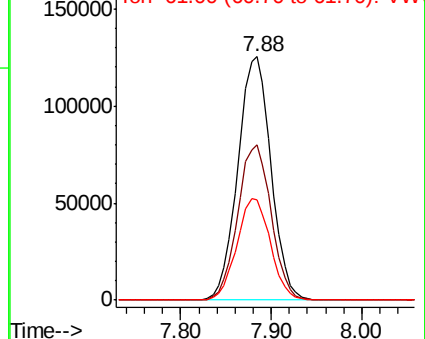
97 100

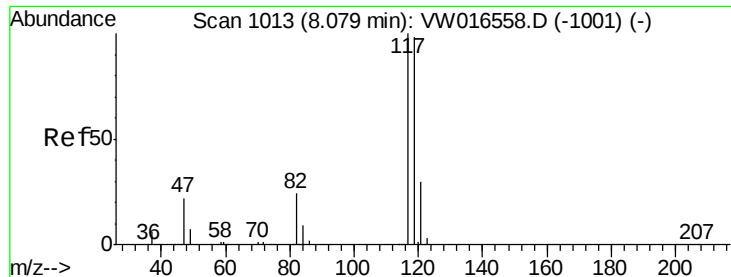
99 64.5 51.8 77.6

61 42.1 33.6 50.4



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: 24.730 ug/L

RT: 8.08 min Scan# 1013

Delta R.T. 0.00 min

Lab File: VW016567.D

Acq: 15 Sep 2020 20:46

Instrument :

MSVOA_W

ClientSampleId :

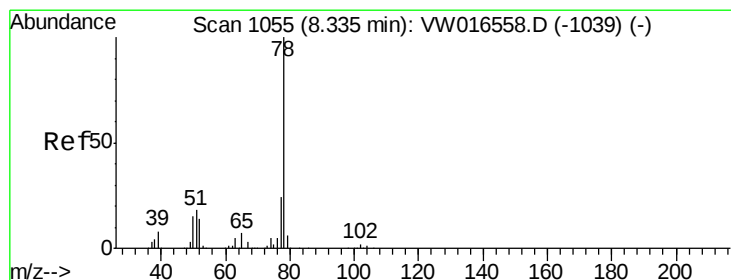
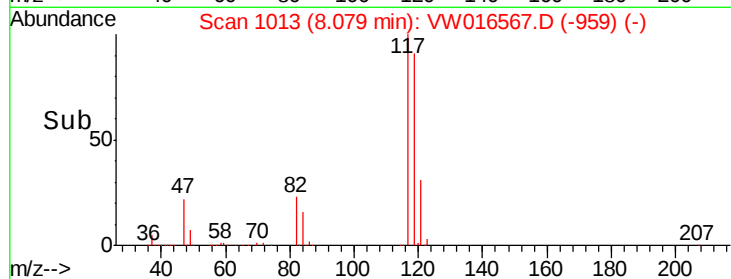
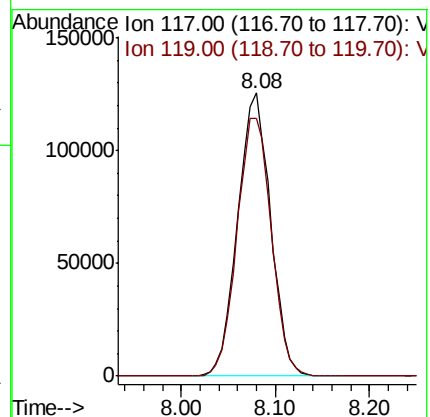
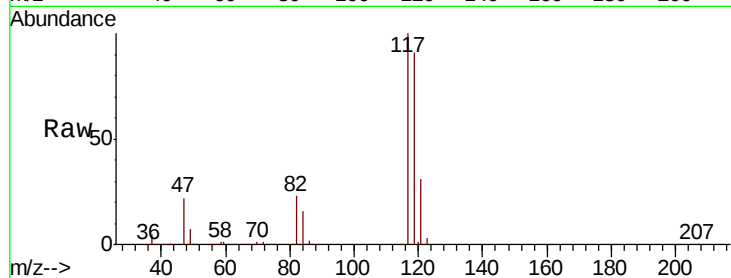
VSTD02521

Tot Ion:117 Resp: 304152

Ion Ratio Lower Upper

117 100

119 95.2 78.2 117.4



#34

Benzene

Concen: 25.453 ug/L

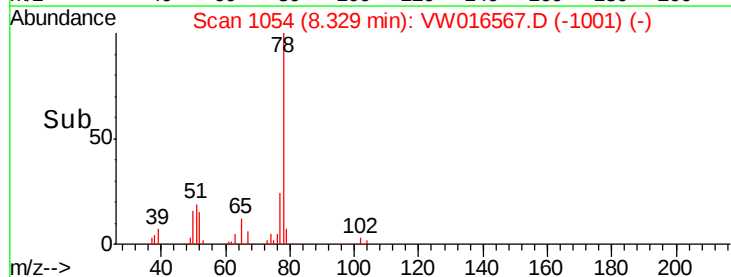
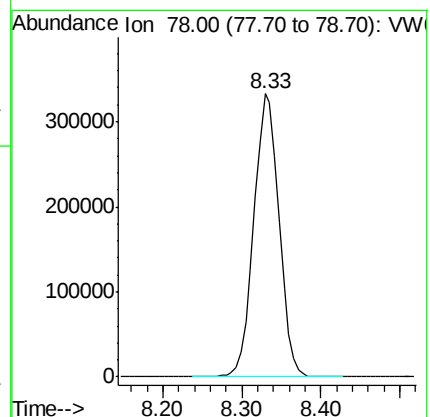
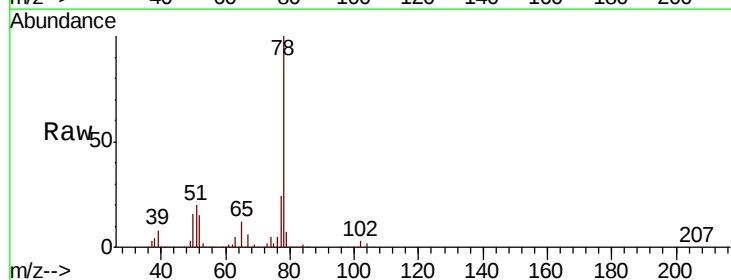
RT: 8.33 min Scan# 1054

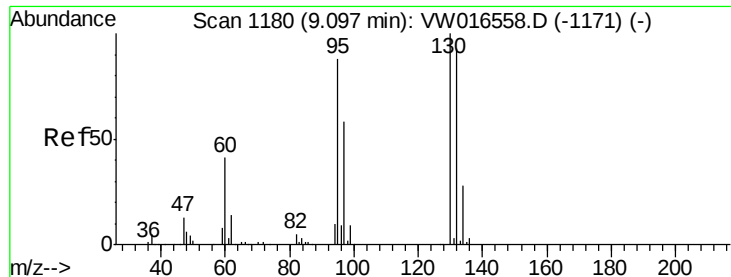
Delta R.T. -0.01 min

Lab File: VW016567.D

Acq: 15 Sep 2020 20:46

Tgt Ion: 78 Resp: 739464

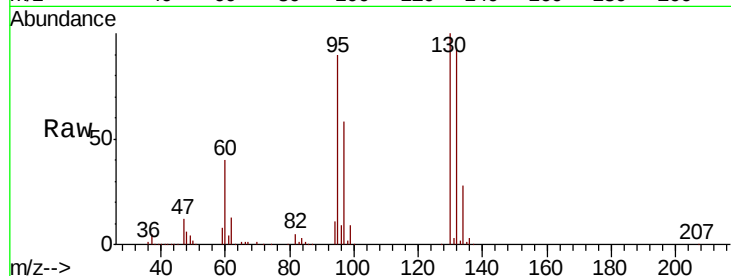




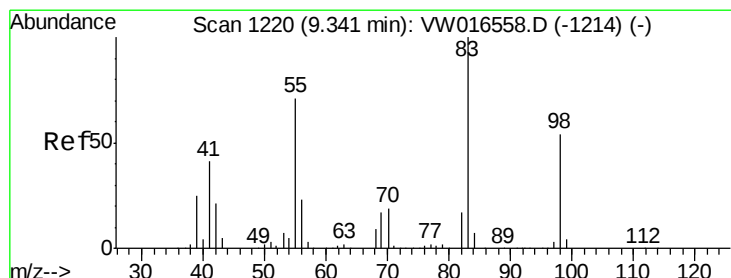
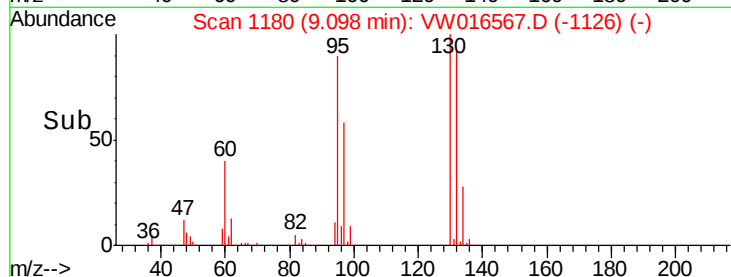
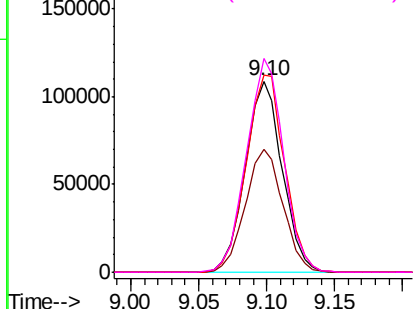
#35
 Trichloroethene
 Concen: 24.654 ug/L
 RT: 9.10 min Scan# 1180
 Delta R.T. 0.00 min
 Lab File: VW016567.D
 Acq: 15 Sep 2020 20:46

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02521

Tot Ion: 95 Resp: 207228
 Ion Ratio Lower Upper
 95 100
 97 65.8 45.2 84.0
 132 107.7 73.3 136.1
 130 111.9 77.5 143.9

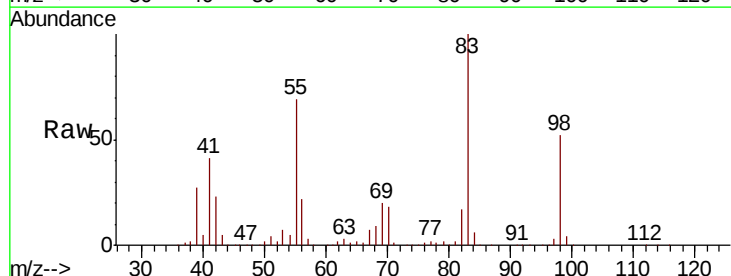


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

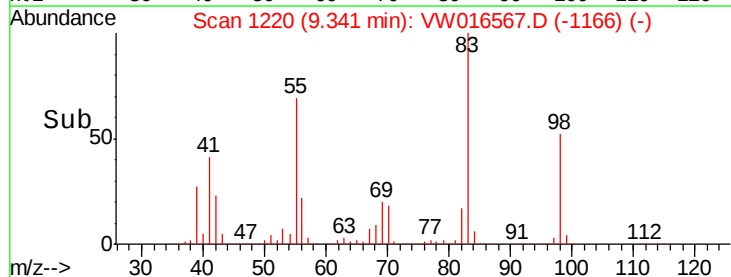
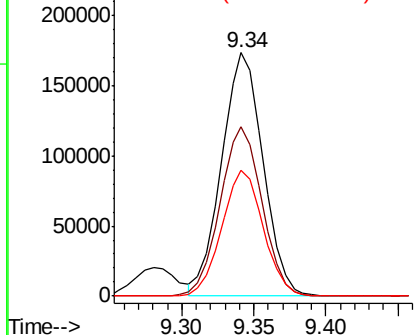


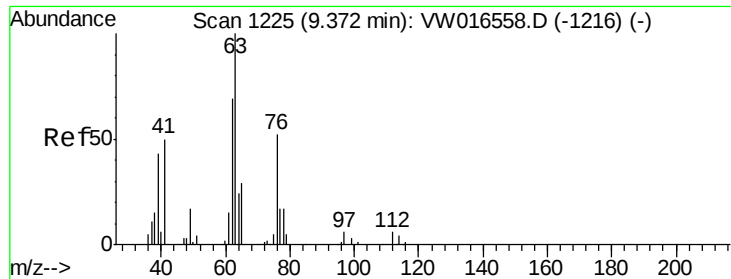
#36
 Methylcyclohexane
 Concen: 24.472 ug/L
 RT: 9.34 min Scan# 1220
 Delta R.T. 0.00 min
 Lab File: VW016567.D
 Acq: 15 Sep 2020 20:46

Tgt Ion: 83 Resp: 348908
 Ion Ratio Lower Upper
 83 100
 55 70.2 55.9 83.9
 98 51.8 42.1 63.1



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





#40

1,2-Dichloropropane

Concen: 25.673 ug/L

RT: 9.37 min Scan# 1225

Delta R.T. 0.00 min

Lab File: VW016567.D

Acq: 15 Sep 2020 20:46

Instrument :

MSVOA_W

ClientSampleId :

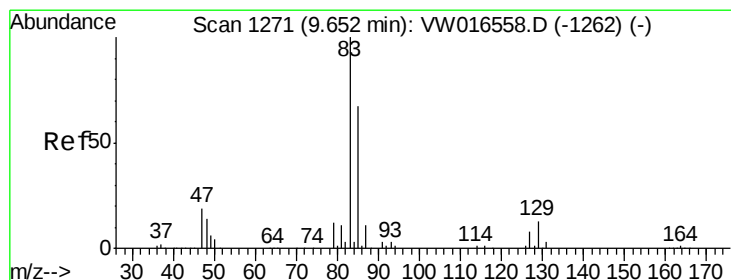
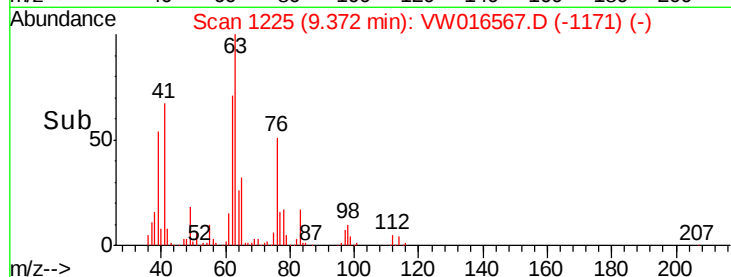
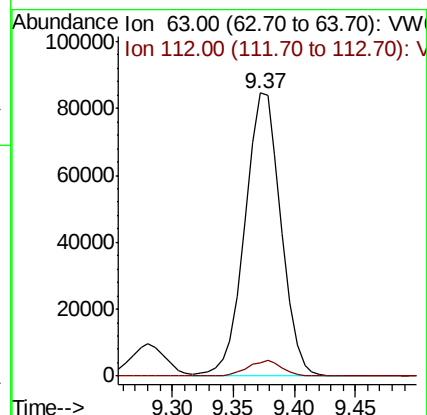
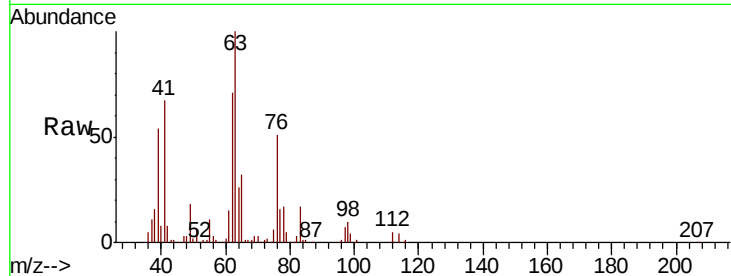
VSTD02521

Tot Ion: 63 Resp: 173471

Ion Ratio Lower Upper

63 100

112 5.3 4.5 6.7



#41

Bromodichloromethane

Concen: 26.047 ug/L

RT: 9.65 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VW016567.D

Acq: 15 Sep 2020 20:46

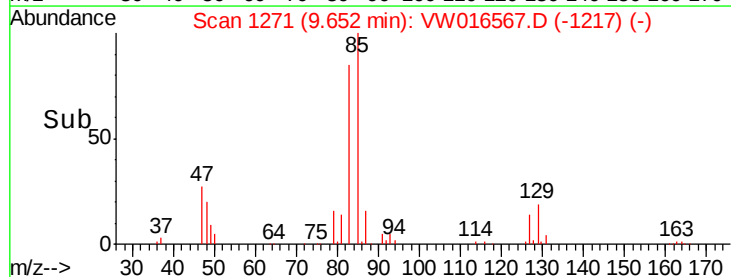
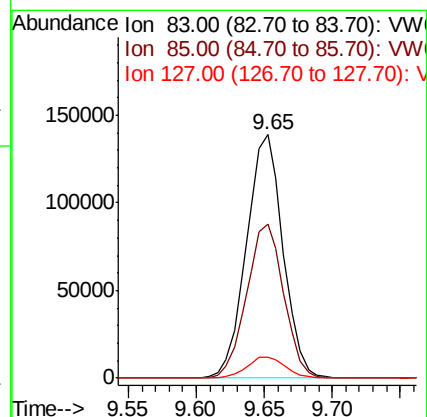
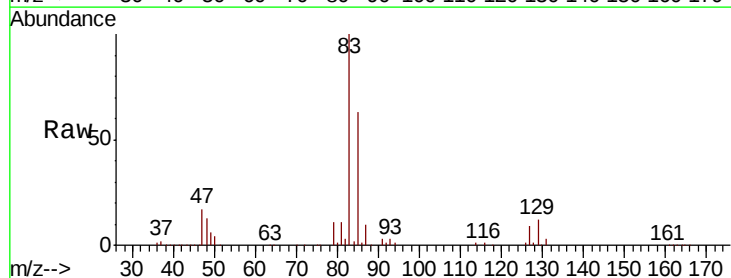
Tgt Ion: 83 Resp: 260811

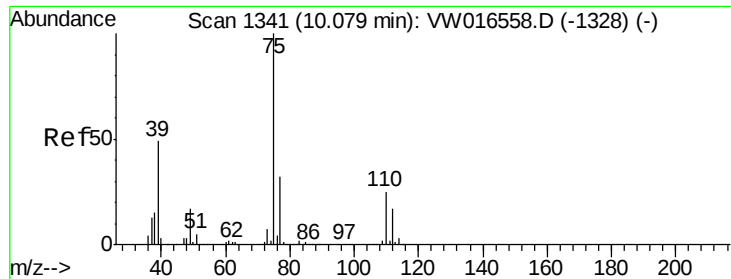
Ion Ratio Lower Upper

83 100

85 63.5 46.8 86.8

127 8.8 6.8 10.2

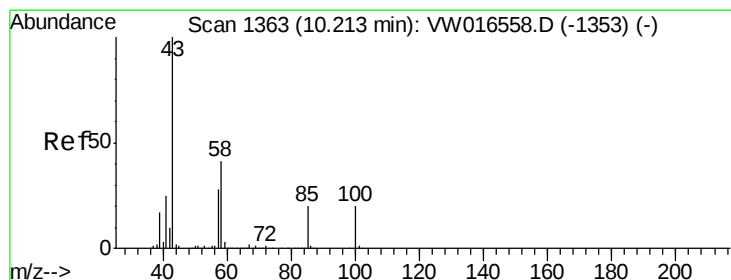
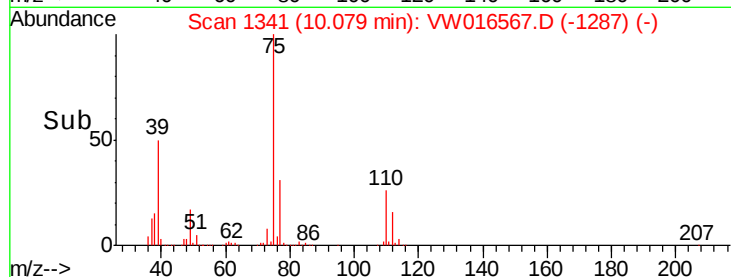
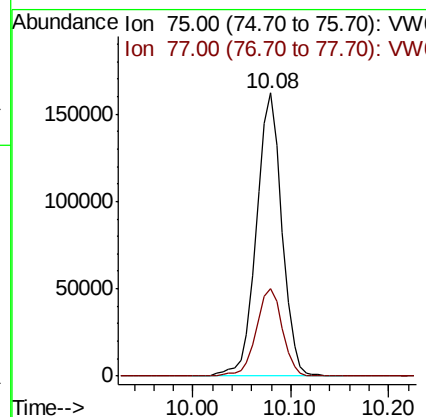
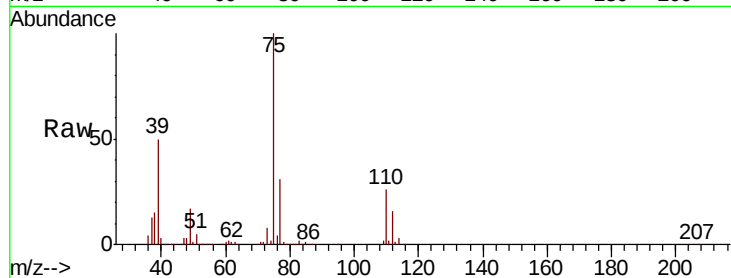




#42
 cis-1,3-Dichloropropene
 Concen: 25.379 ug/L
 RT: 10.08 min Scan# 1341
 Delta R.T. 0.00 min
 Lab File: VW016567.D
 Acq: 15 Sep 2020 20:46

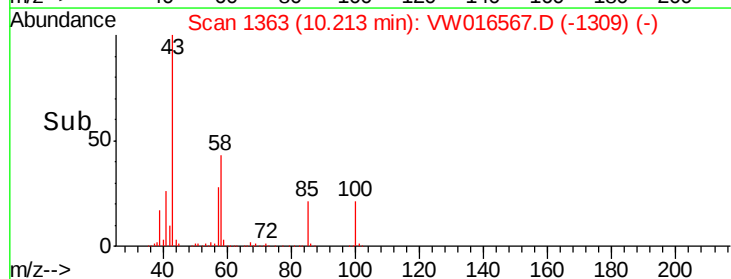
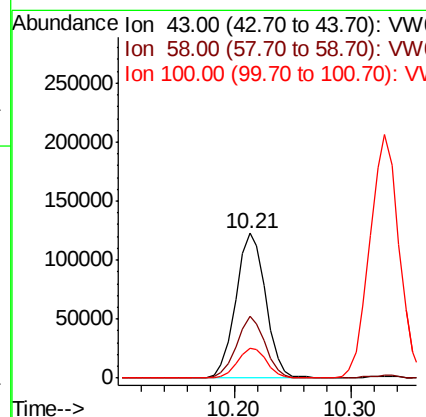
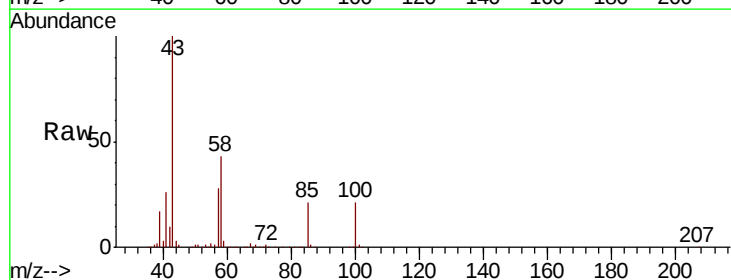
Instrument :
 MSVOA_W
 ClientSampled :
 VSTD02521

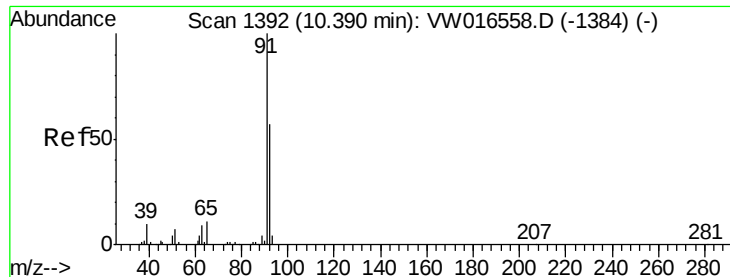
Tot Ion: 75 Resp: 292917
 Ion Ratio Lower Upper
 75 100
 77 30.8 22.2 41.2



#43
 4-Methyl-2-pentanone
 Concen: 51.087 ug/L
 RT: 10.21 min Scan# 1363
 Delta R.T. 0.00 min
 Lab File: VW016567.D
 Acq: 15 Sep 2020 20:46

Tgt Ion: 43 Resp: 219318
 Ion Ratio Lower Upper
 43 100
 58 40.6 32.2 48.4
 100 20.0 15.8 23.6





#44

Toluene

Concen: 25.569 ug/L

RT: 10.40 min Scan# 1393

Delta R.T. 0.01 min

Lab File: VW016567.D

Acq: 15 Sep 2020 20:46

Instrument :

MSVOA_W

ClientSampleId :

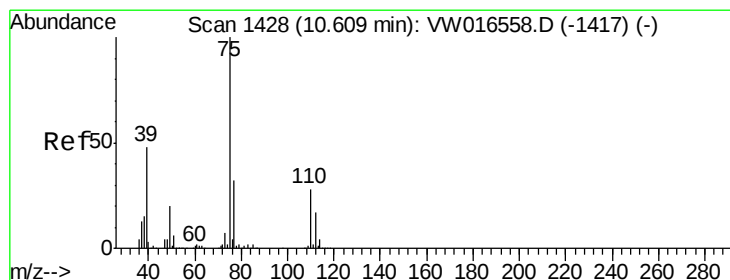
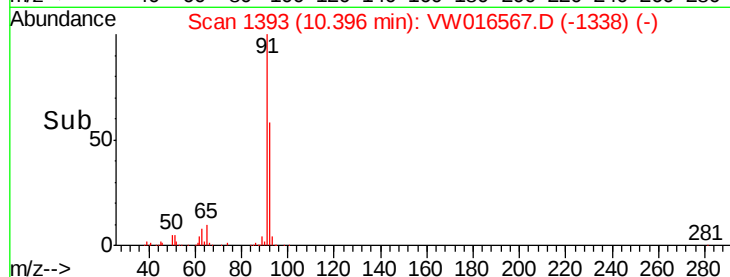
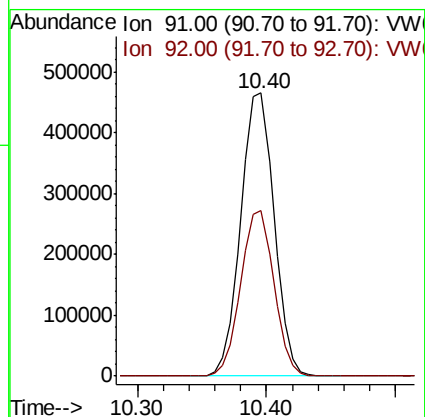
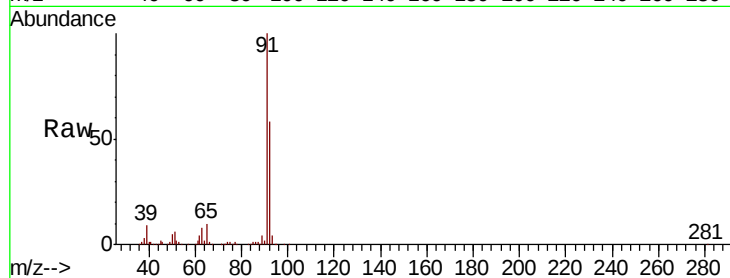
VSTD02521

Tot Ion: 91 Resp: 835297

Ion Ratio Lower Upper

91 100

92 58.3 39.6 73.6



#45

trans-1,3-Dichloropropene

Concen: 25.787 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW016567.D

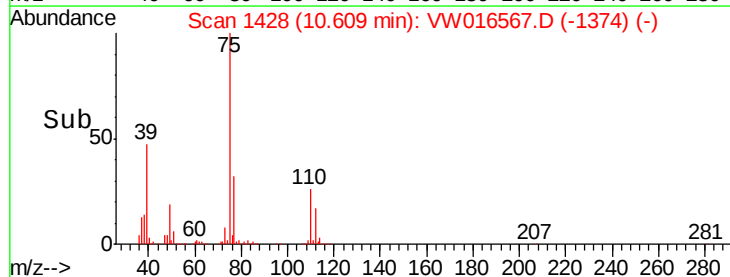
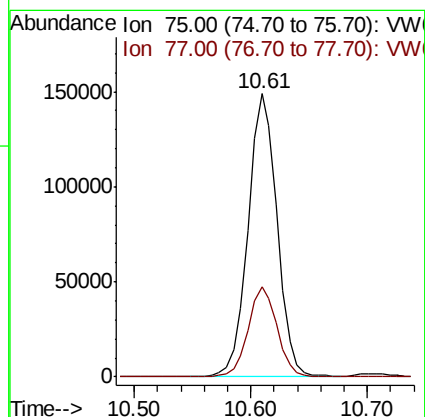
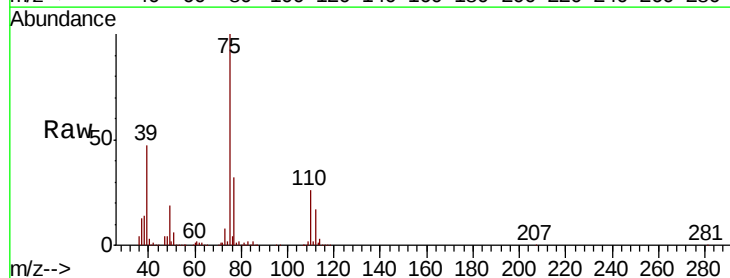
Acq: 15 Sep 2020 20:46

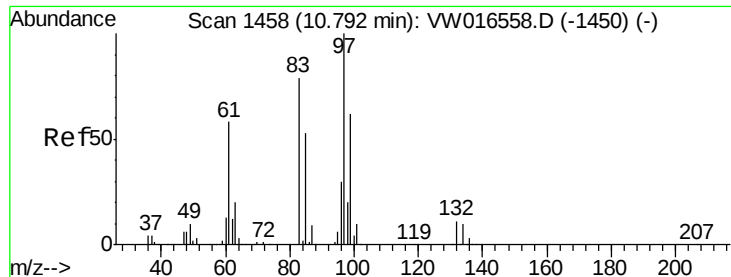
Tgt Ion: 75 Resp: 258950

Ion Ratio Lower Upper

75 100

77 31.9 22.5 41.9



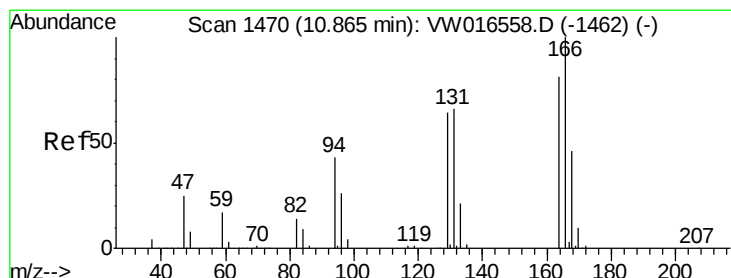
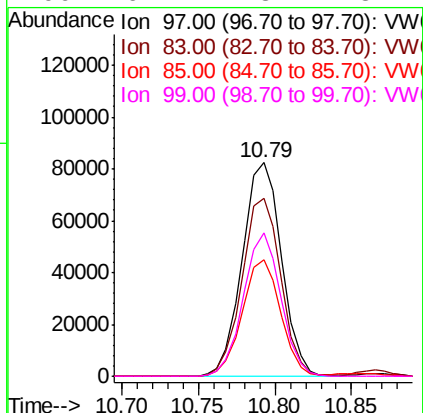
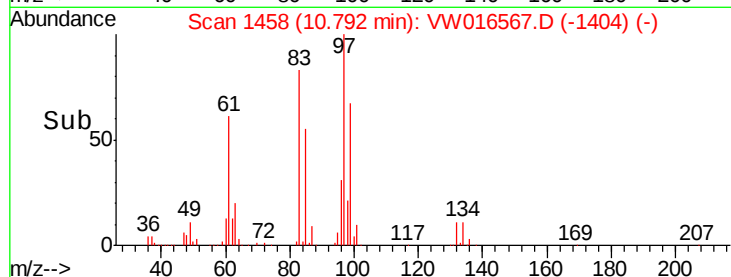
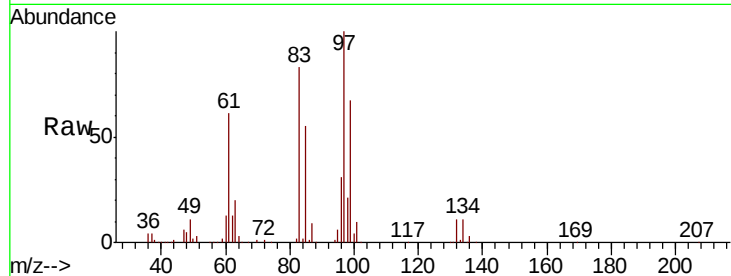


#46
 1,1,2-Trichloroethane
 Concen: 25.905 ug/L
 RT: 10.79 min Scan# 1458
 Delta R.T. 0.00 min
 Lab File: VW016567.D
 Acq: 15 Sep 2020 20:46

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02521

Tot Ion: 97 Resp: 147462

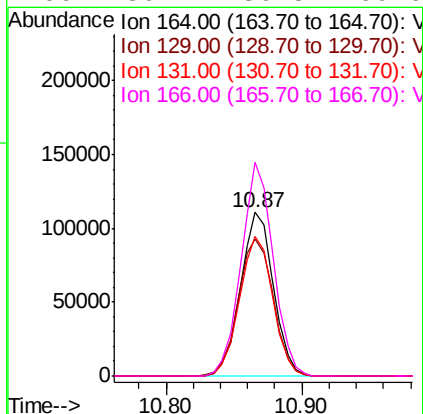
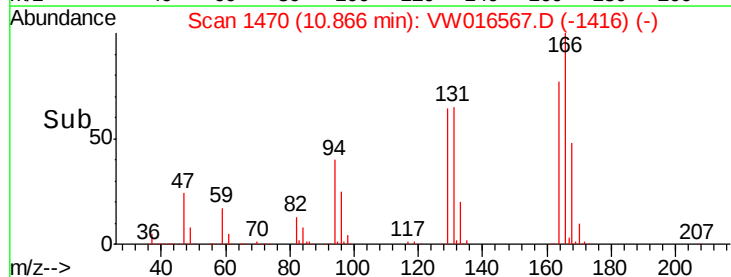
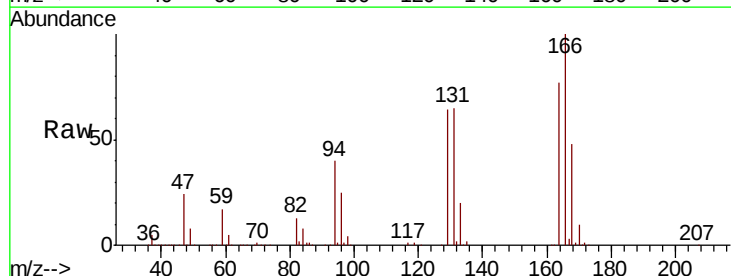
Ion	Ratio	Lower	Upper
97	100		
83	83.2	55.7	103.5
85	54.6	36.8	68.4
99	67.4	43.7	81.1

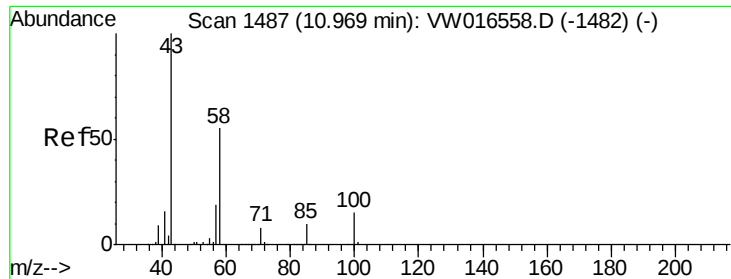


#47
 Tetrachloroethene
 Concen: 24.655 ug/L
 RT: 10.87 min Scan# 1470
 Delta R.T. 0.00 min
 Lab File: VW016567.D
 Acq: 15 Sep 2020 20:46

Tgt Ion: 164 Resp: 187131

Ion	Ratio	Lower	Upper
164	100		
129	84.0	55.6	103.2
131	85.4	57.2	106.2
166	130.4	86.5	160.6

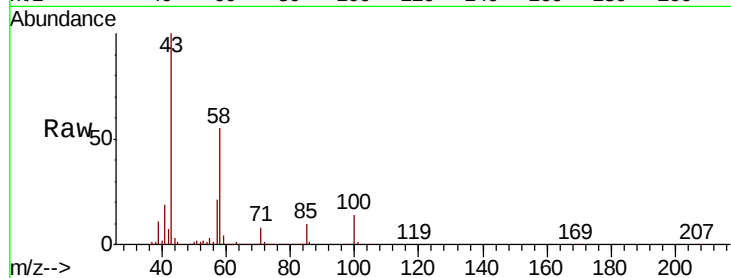




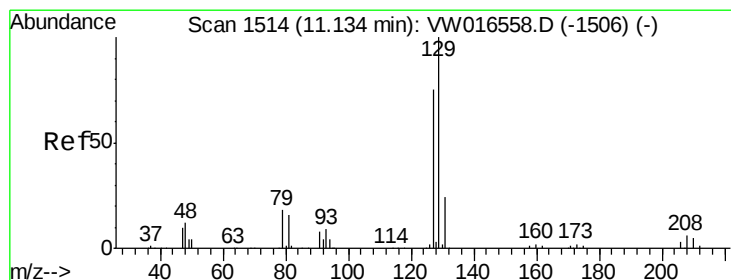
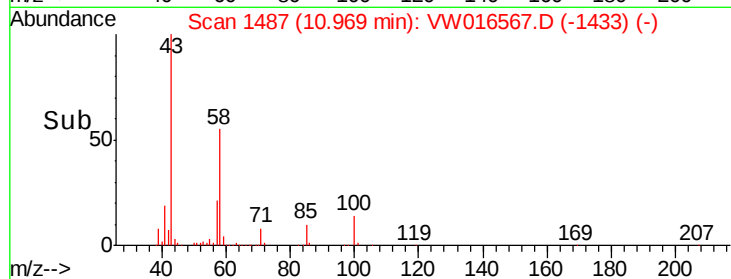
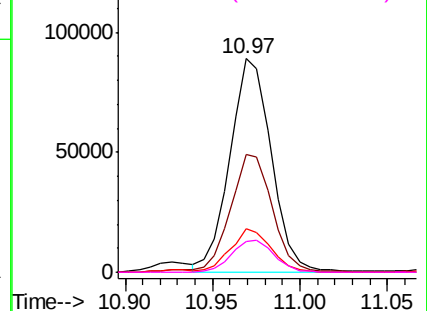
#49
2-Hexanone
Concen: 53.891 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW016567.D
Acq: 15 Sep 2020 20:46

Instrument :
MSVOA_W
ClientSampleId :
VSTD02521

Tot Ion: 43 Resp: 146829
Ion Ratio Lower Upper
43 100
58 55.5 44.2 66.2
57 20.3 16.3 24.5
100 15.4 12.4 18.6

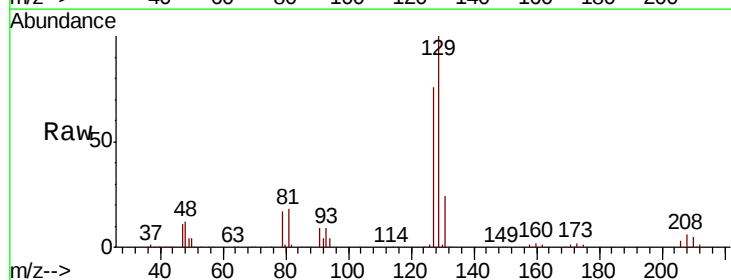


Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW
Ion 57.00 (56.70 to 57.70): VW
Ion 100.00 (99.70 to 100.70): VW

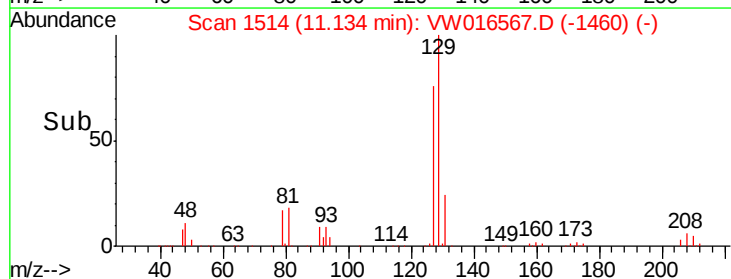
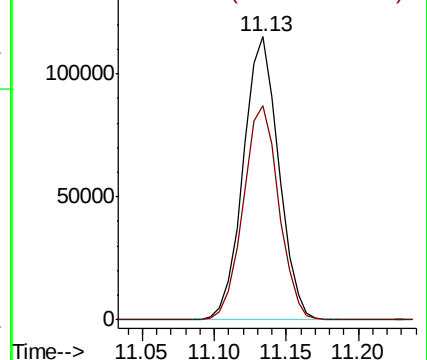


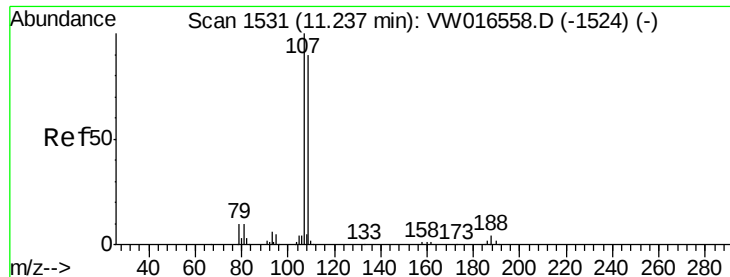
#50
Dibromochloromethane
Concen: 26.357 ug/L
RT: 11.13 min Scan# 1514
Delta R.T. 0.00 min
Lab File: VW016567.D
Acq: 15 Sep 2020 20:46

Tgt Ion: 129 Resp: 195885
Ion Ratio Lower Upper
129 100
127 75.5 52.4 97.4



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

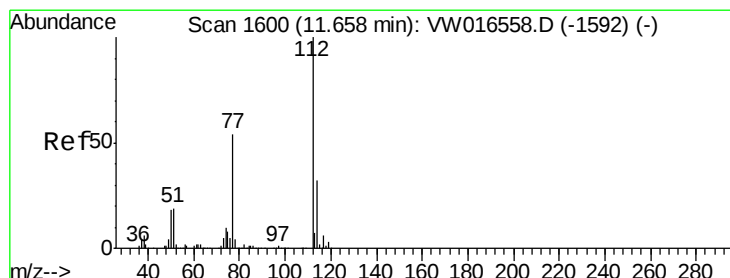
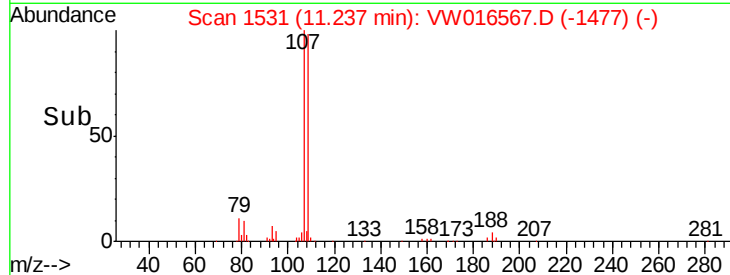
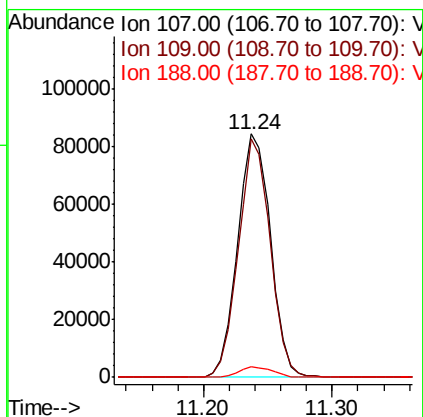
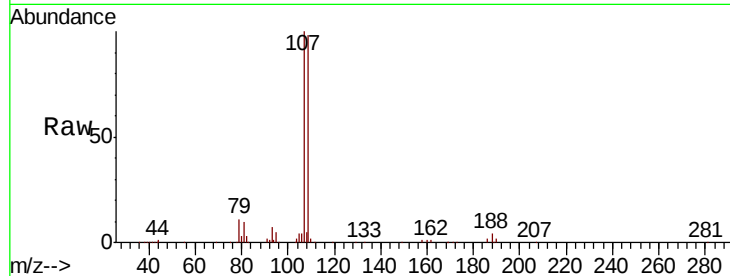




#51
 1,2-Dibromoethane
 Concen: 26.191 ug/L
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW016567.D
 Acq: 15 Sep 2020 20:46

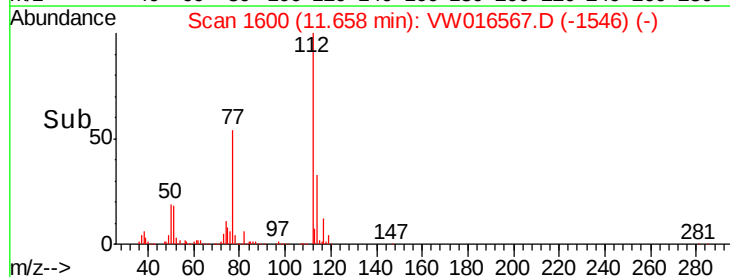
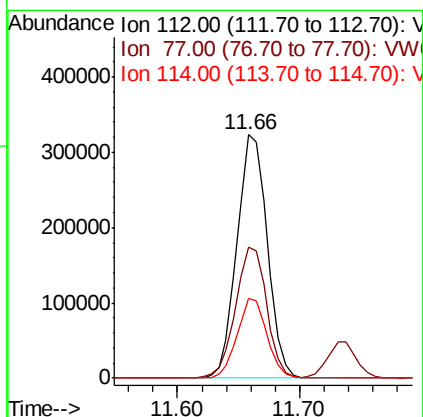
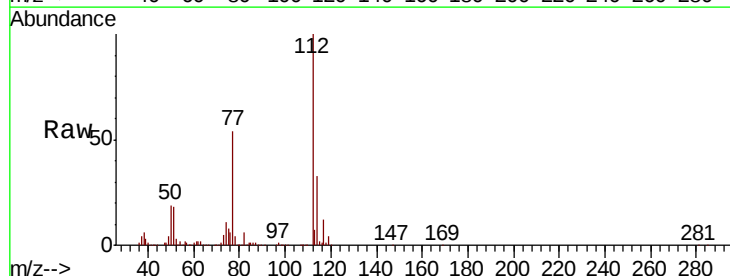
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02521

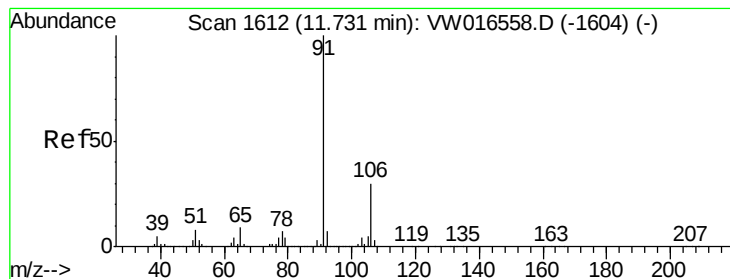
Tot Ion	Ratio	Lower	Upper
107	100		
109	97.8	63.0	117.0
188	4.4	3.1	4.7



#52
 Chlorobenzene
 Concen: 25.350 ug/L
 RT: 11.66 min Scan# 1600
 Delta R.T. 0.00 min
 Lab File: VW016567.D
 Acq: 15 Sep 2020 20:46

Tgt Ion	Ratio	Lower	Upper
112	100		
77	53.7	43.1	64.7
114	32.6	22.3	41.3





#53

Ethylbenzene

Concen: 25.293 ug/L

RT: 11.74 min Scan# 1613

Delta R.T. 0.01 min

Lab File: VW016567.D

Acq: 15 Sep 2020 20:46

Instrument :

MSVOA_W

ClientSampleId :

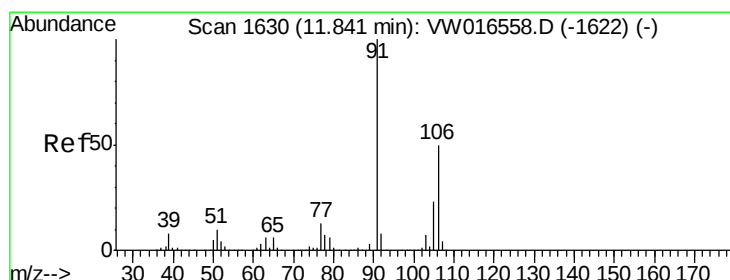
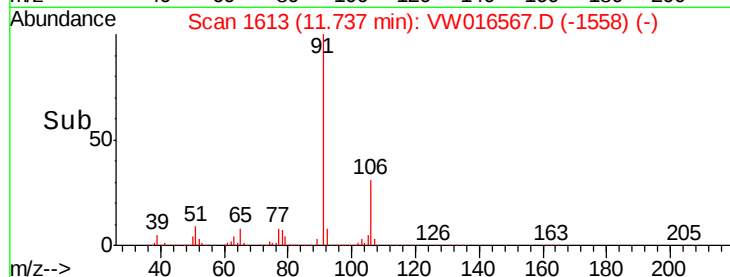
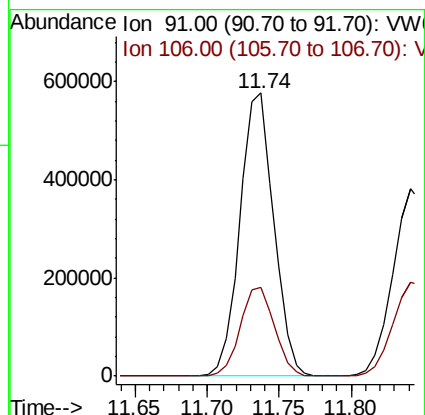
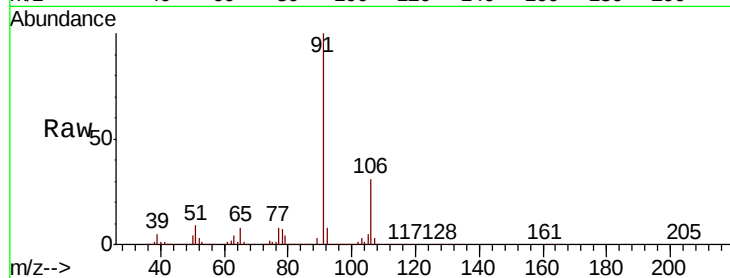
VSTD02521

Tot Ion: 91 Resp: 938126

Ion Ratio Lower Upper

91 100

106 31.3 20.7 38.5



#54

m,p-Xylene

Concen: 25.113 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VW016567.D

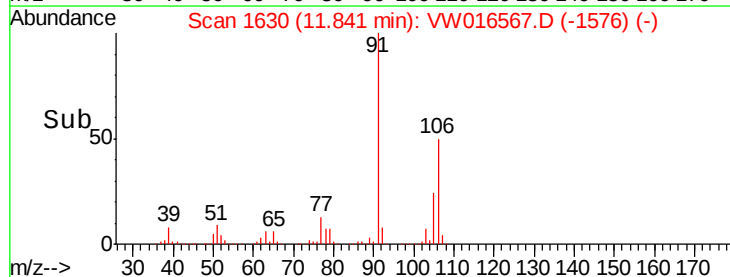
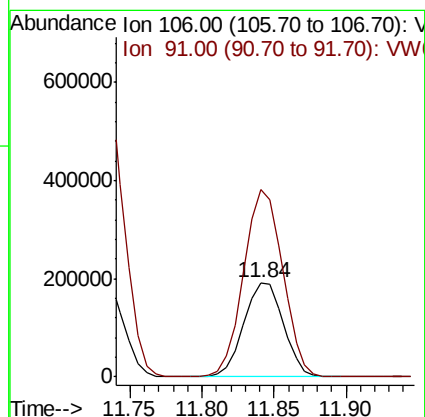
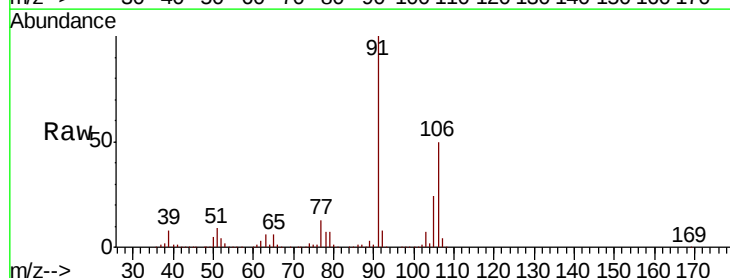
Acq: 15 Sep 2020 20:46

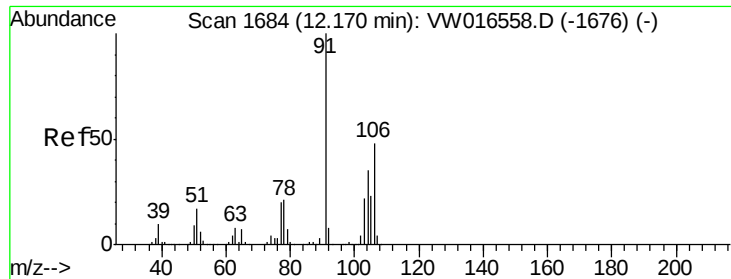
Tgt Ion: 106 Resp: 364720

Ion Ratio Lower Upper

106 100

91 198.9 139.7 259.5

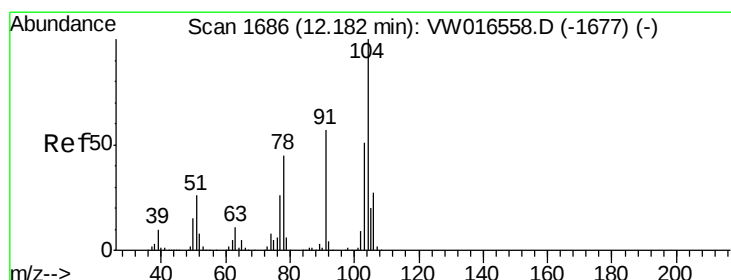
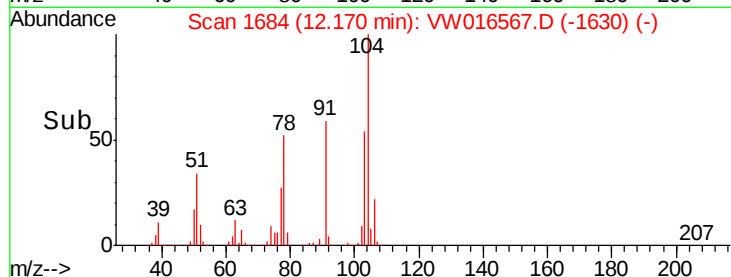
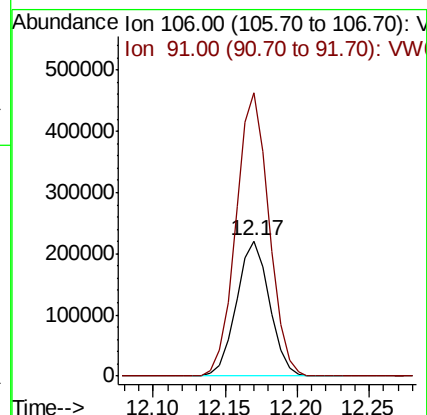
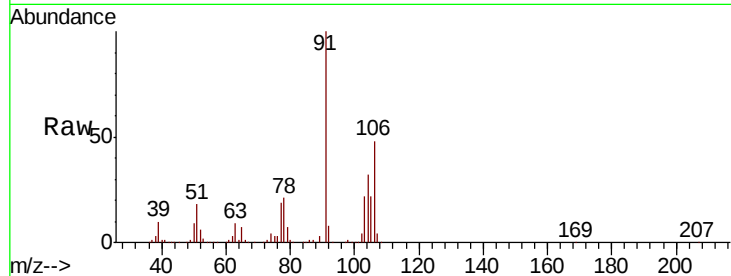




#55
o-xylene
Concen: 25.361 ug/L
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW016567.D
Acq: 15 Sep 2020 20:46

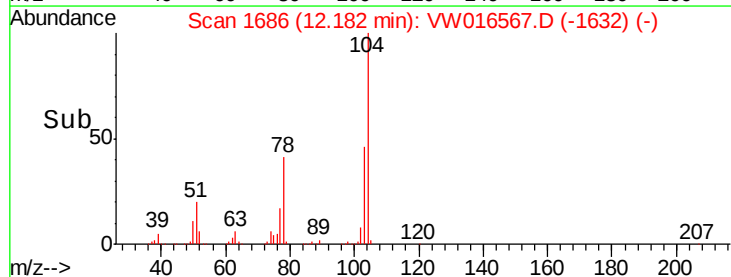
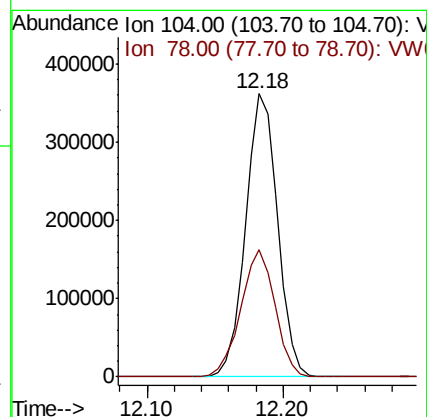
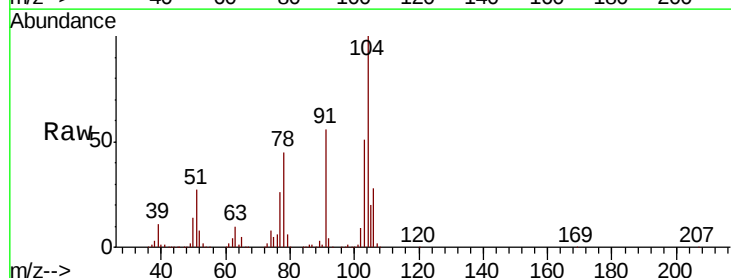
Instrument :
MSVOA_W
ClientSampleId :
VSTD02521

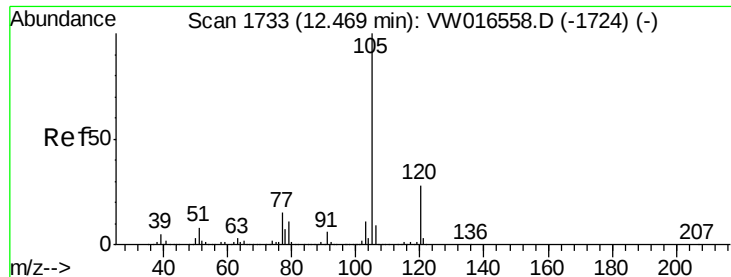
Tot Ion:106 Resp: 352862
Ion Ratio Lower Upper
106 100
91 208.8 144.8 268.8



#56
Styrene
Concen: 25.728 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW016567.D
Acq: 15 Sep 2020 20:46

Tgt Ion:104 Resp: 594425
Ion Ratio Lower Upper
104 100
78 45.1 31.4 58.2





#57

Isopropylbenzene

Concen: 25.577 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW016567.D

Acq: 15 Sep 2020 20:46

Instrument :

MSVOA_W

ClientSampleId :

VSTD02521

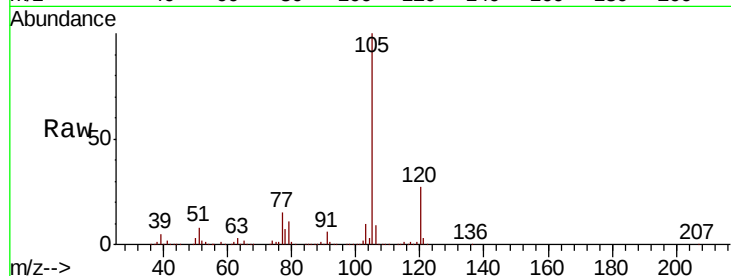
Tot Ion: 105 Resp: 972394

Ion Ratio Lower Upper

105 100

120 26.7 21.8 32.8

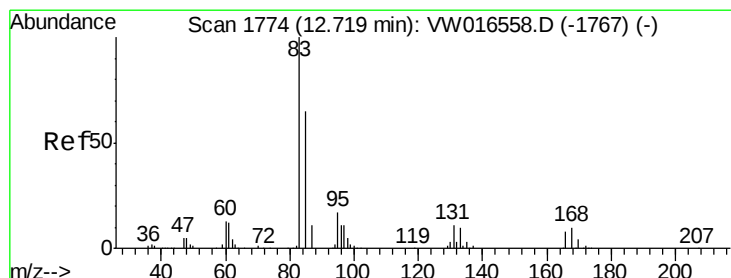
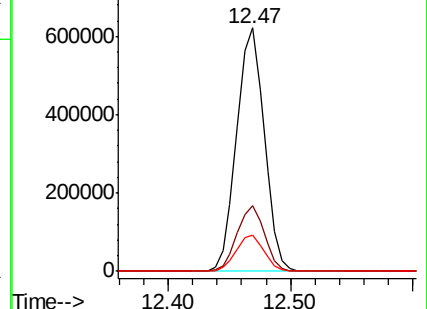
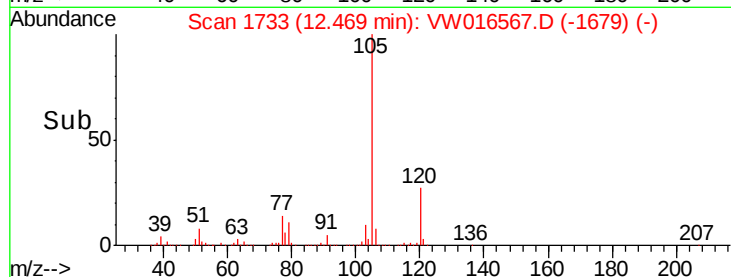
77 15.0 12.2 18.2



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: 26.366 ug/L

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW016567.D

Acq: 15 Sep 2020 20:46

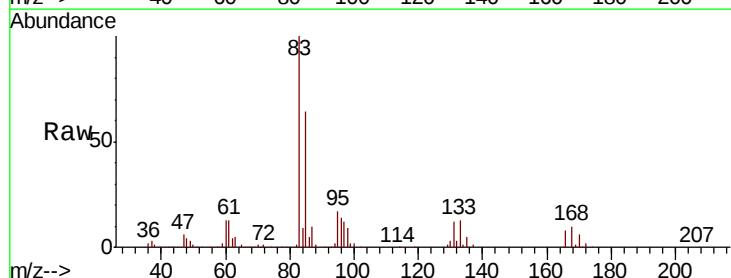
Tgt Ion: 83 Resp: 167838

Ion Ratio Lower Upper

83 100

85 64.3 46.0 85.4

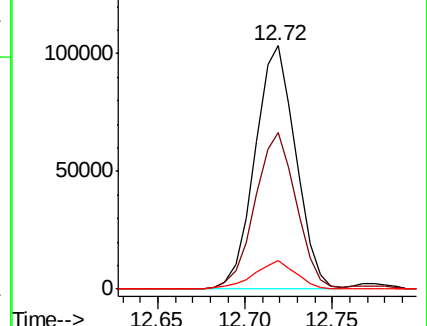
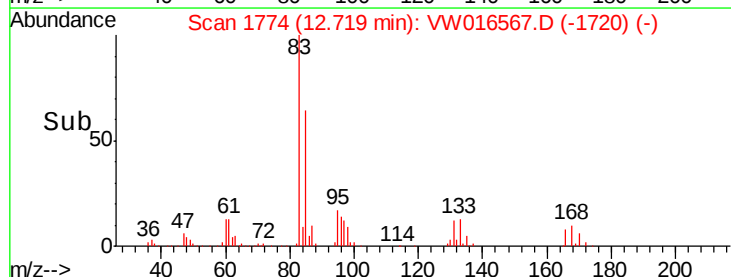
131 11.7 9.0 13.6

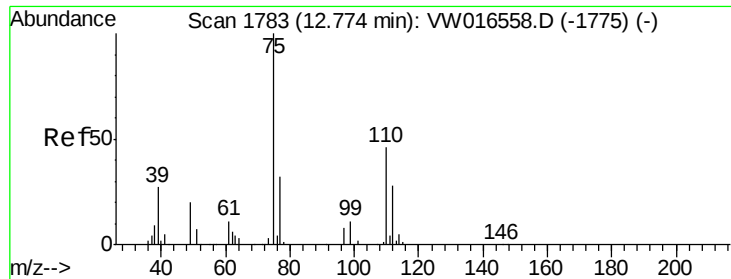


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 26.104 ug/L

RT: 12.77 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VW016567.D

Acq: 15 Sep 2020 20:46

Instrument :

MSVOA_W

ClientSampleId :

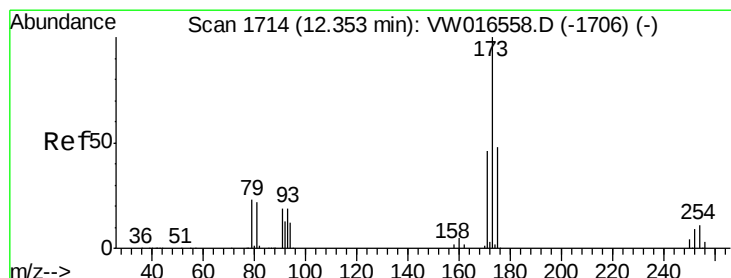
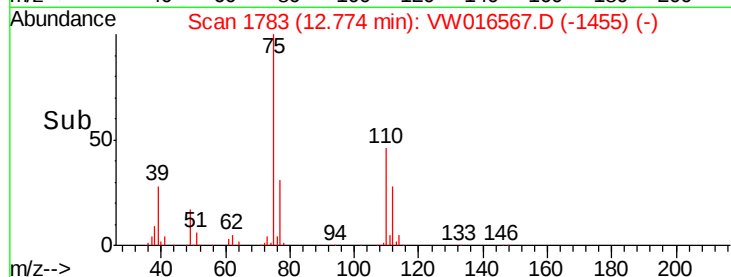
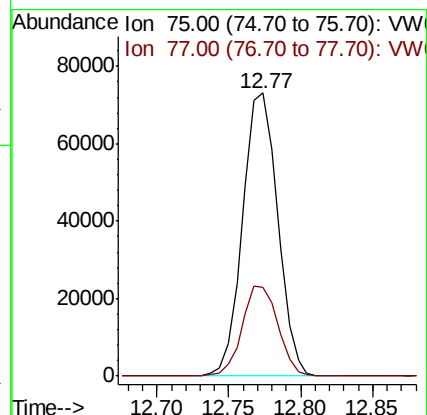
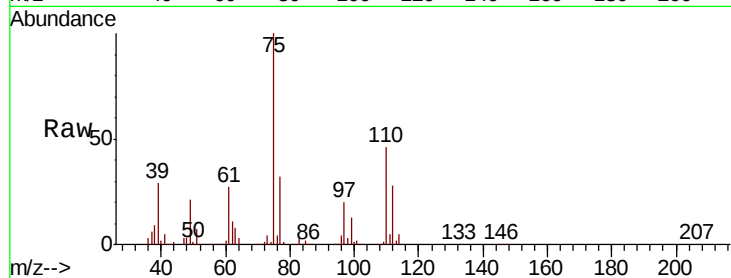
VSTD02521

Tot Ion: 75 Resp: 123768

Ion Ratio Lower Upper

75 100

77 32.5 26.2 39.4



#62

Bromoform

Concen: 25.452 ug/L

RT: 12.35 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VW016567.D

Acq: 15 Sep 2020 20:46

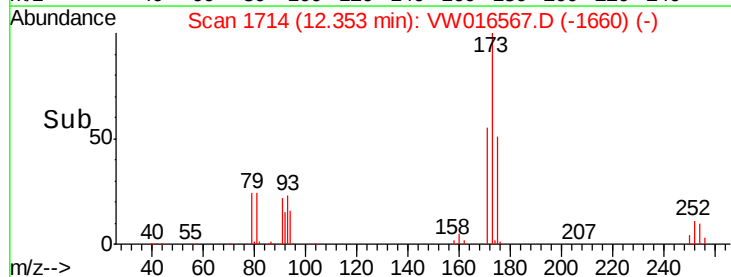
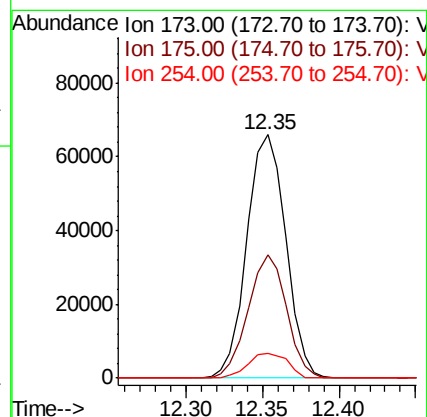
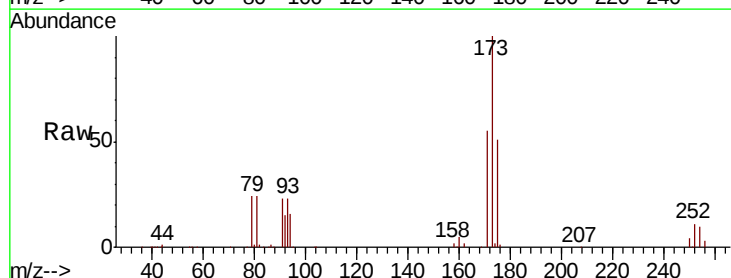
Tgt Ion: 173 Resp: 117259

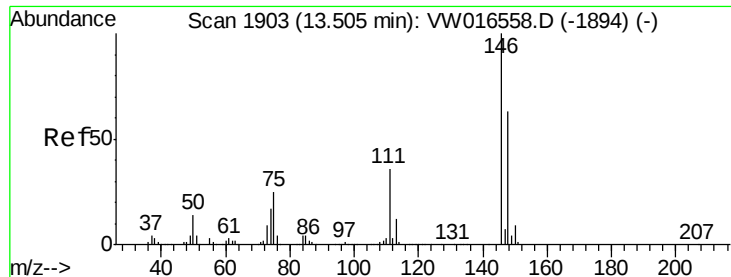
Ion Ratio Lower Upper

173 100

175 49.9 38.6 57.8

254 10.2 8.2 12.4

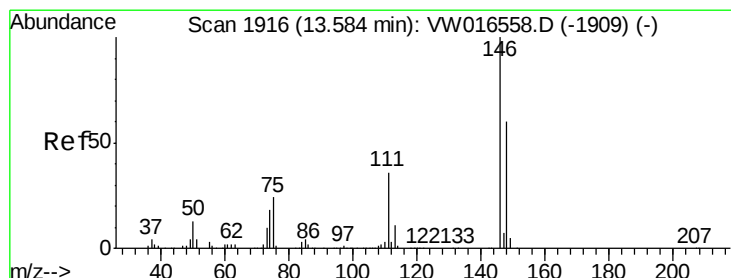
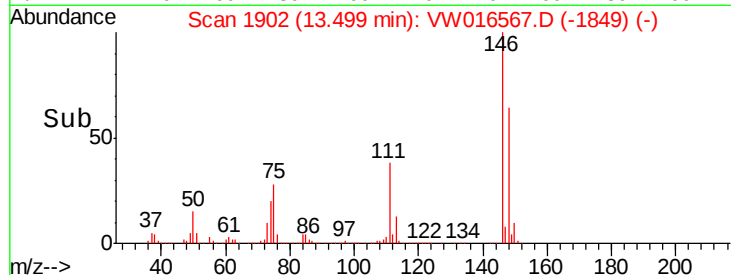
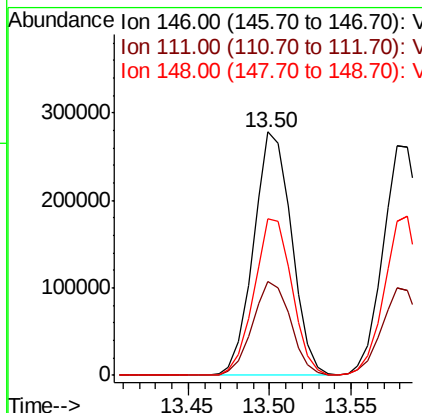
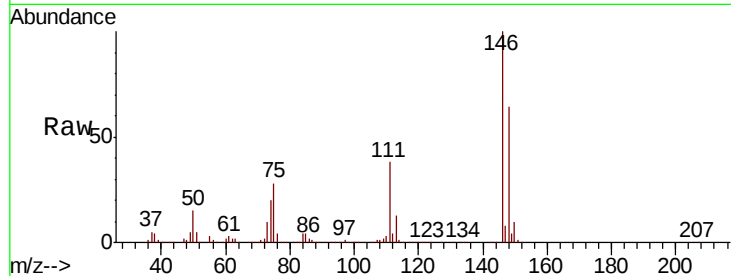




#63
 1,3-Dichlorobenzene
 Concen: 25.428 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.01 min
 Lab File: VW016567.D
 Acq: 15 Sep 2020 20:46

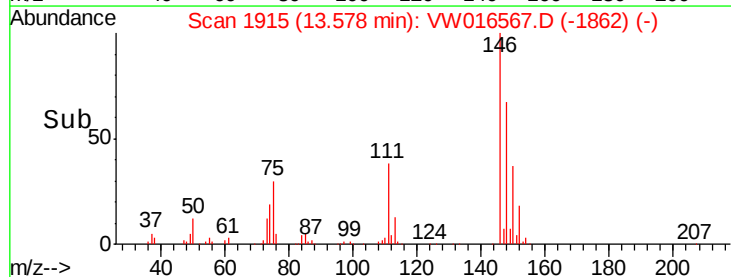
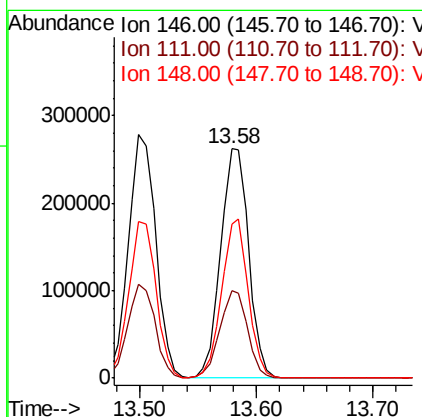
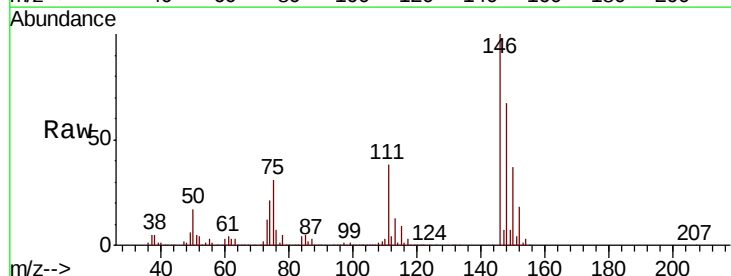
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02521

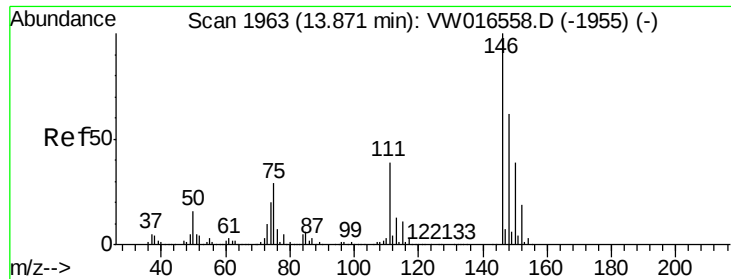
Tot Ion:146 Resp: 451756
 Ion Ratio Lower Upper
 146 100
 111 38.5 25.0 46.4
 148 64.2 44.0 81.8



#64
 1,4-Dichlorobenzene
 Concen: 24.969 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.01 min
 Lab File: VW016567.D
 Acq: 15 Sep 2020 20:46

Tgt Ion:146 Resp: 434422
 Ion Ratio Lower Upper
 146 100
 111 38.2 25.1 46.5
 148 67.5 42.3 78.5





#65

1,2-Dichlorobenzene

Concen: 25.498 ug/L

RT: 13.87 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VW016567.D

Acq: 15 Sep 2020 20:46

Instrument :

MSVOA_W

ClientSampled :

VSTD02521

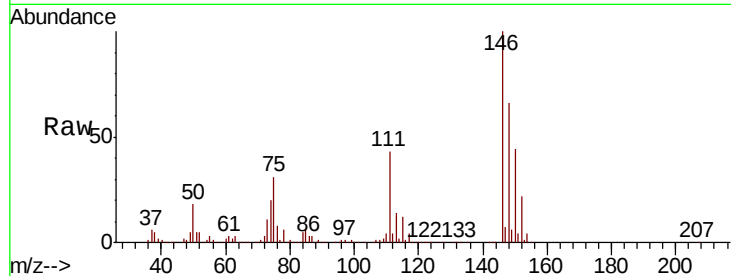
Tot Ion:146 Resp: 404772

Ion Ratio Lower Upper

146 100

111 42.9 31.4 47.0

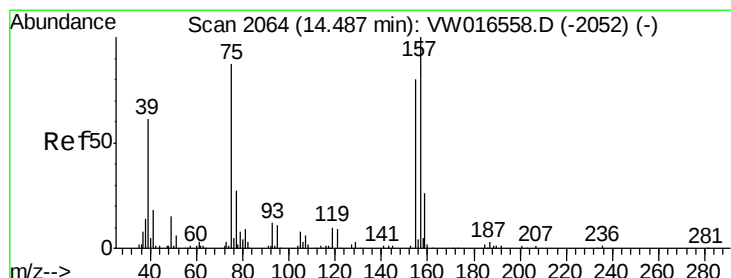
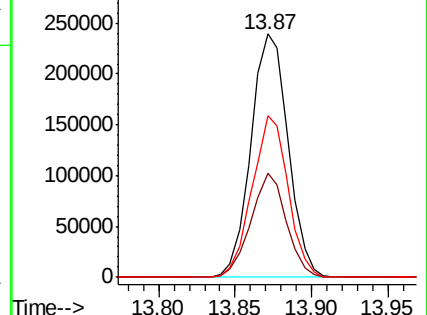
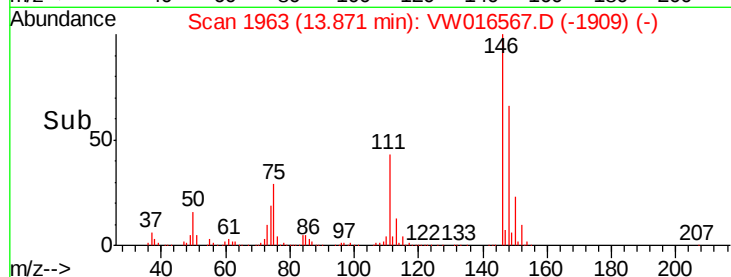
148 66.4 49.3 73.9



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 26.630 ug/L

RT: 14.49 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VW016567.D

Acq: 15 Sep 2020 20:46

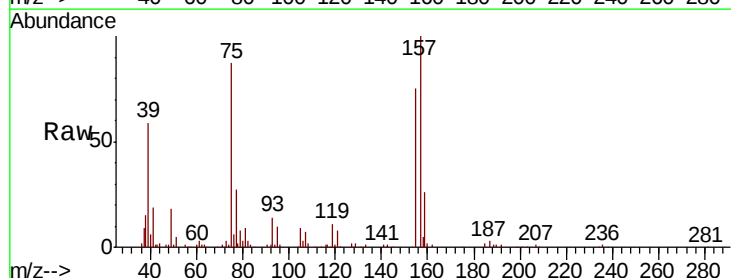
Tgt Ion: 75 Resp: 30302

Ion Ratio Lower Upper

75 100

157 115.2 92.2 138.4

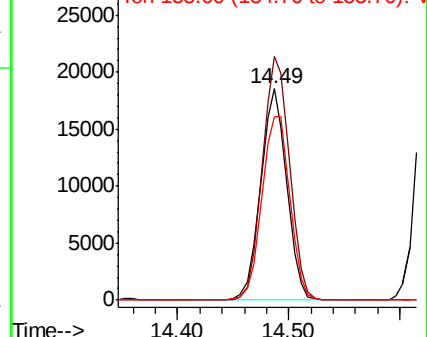
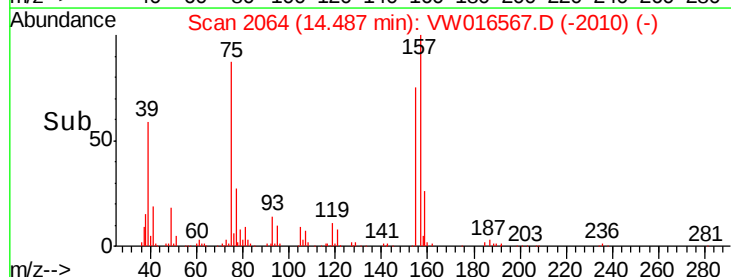
155 86.9 73.5 110.3

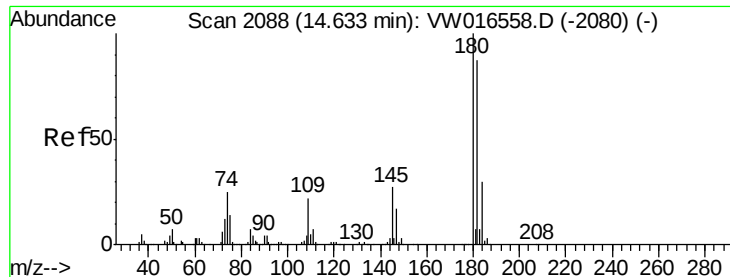


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

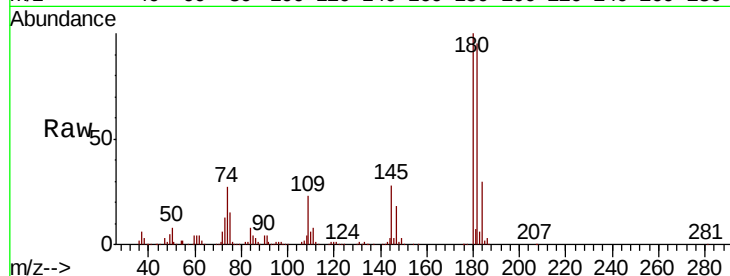




#67
 1,3,5-Trichlorobenzene
 Concen: 25.225 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. -0.01 min
 Lab File: VW016567.D
 Acq: 15 Sep 2020 20:46

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02521

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.5	73.8	110.8
184	30.4	23.7	35.5
145	29.0	22.8	34.2



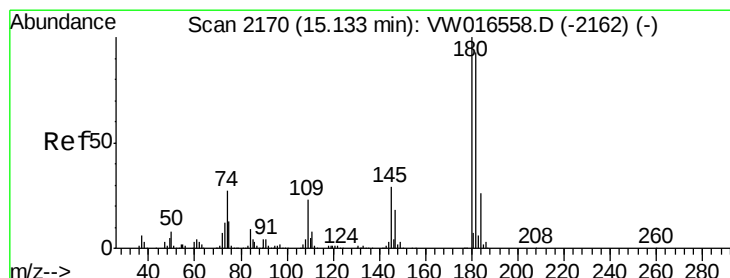
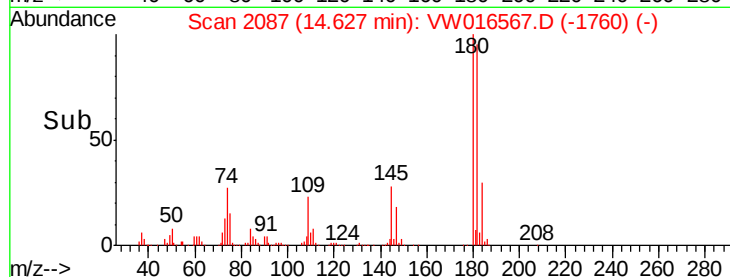
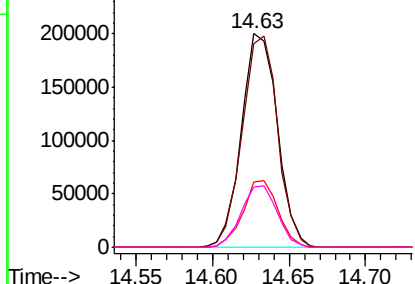
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

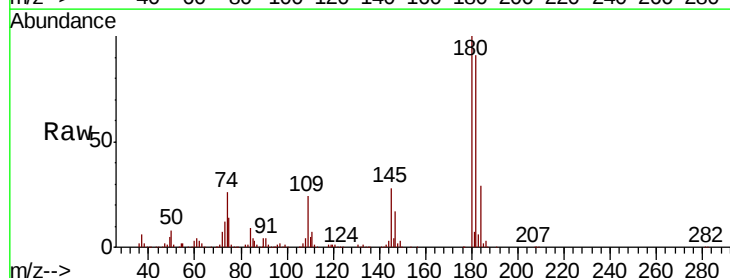
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 26.566 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW016567.D
 Acq: 15 Sep 2020 20:46

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.0	74.5	111.7
145	28.4	23.1	34.7

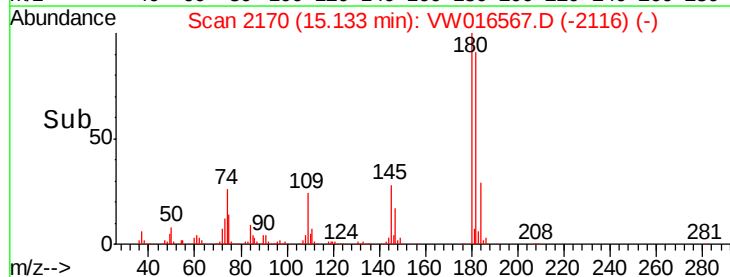
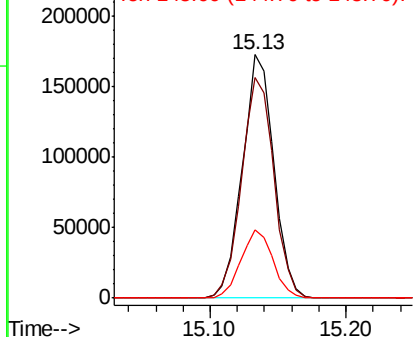


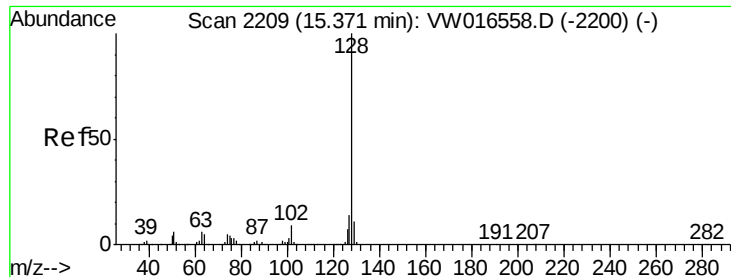
Abundance

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: 27.801 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW016567.D

Acq: 15 Sep 2020 20:46

Instrument :

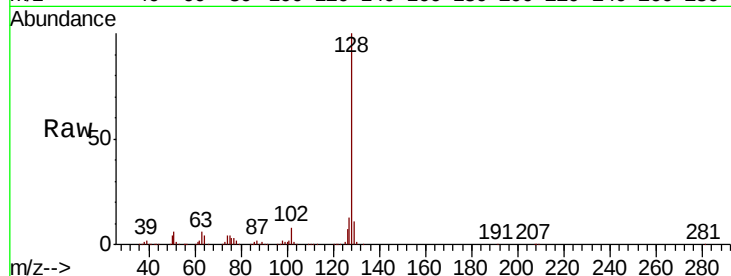
MSVOA_W

ClientSampleId :

VSTD02521

Tot Ion:128 Resp: 517997

Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.9	13.3
127	12.9	10.8	16.2

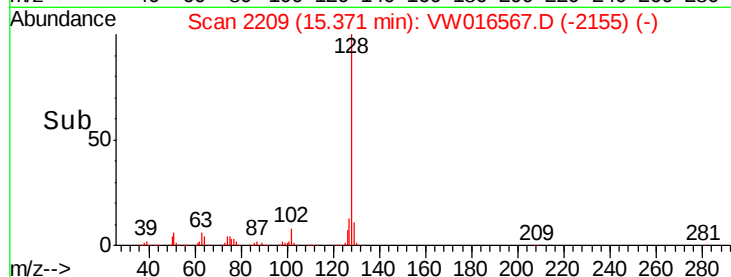


Abundance

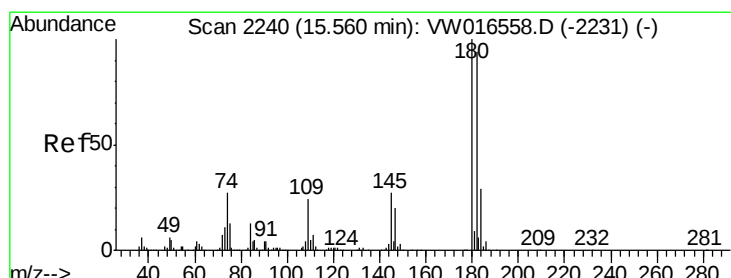
Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



Time-->



#70

1,2,3-Trichlorobenzene

Concen: 25.747 ug/L

RT: 15.56 min Scan# 2240

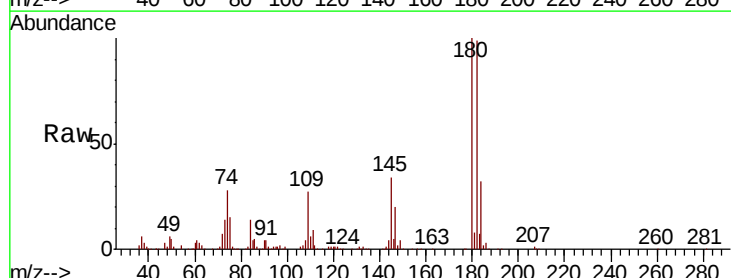
Delta R.T. 0.00 min

Lab File: VW016567.D

Acq: 15 Sep 2020 20:46

Tgt Ion:180 Resp: 232747

Ion	Ratio	Lower	Upper
180	100		
182	95.8	76.3	114.5
145	32.1	24.1	36.1

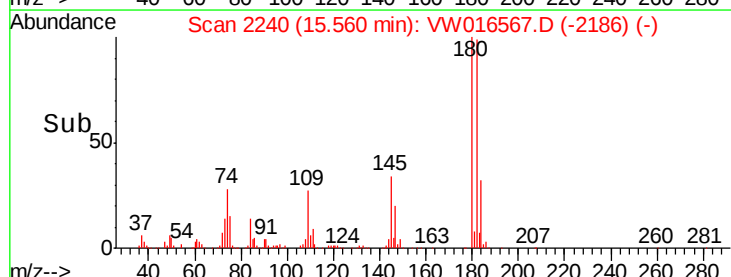


Abundance

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



Time-->