

Data File : VW017355.D
Acq On : 19 Nov 2020 02:07
Operator : SY/VA
Sample : VSTDCCC025EC
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 39 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD02513

Quant Time: Nov 19 05:09:04 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM111820S.M
Quant Title : VOC Analysis
QLast Update : Thu Nov 19 05:03:18 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	383898	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	357649	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	182845	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	111572	19.63	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	78.52%
7) Chloroethane-d5	2.89	69	93697	20.75	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	83.00%
10) 1,1-Dichloroethene-d2	4.03	63	203042	20.42	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	81.68%
20) 2-Butanone-d5	7.08	46	43782	46.91	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	93.82%
24) Chloroform-d	7.65	84	221281	21.94	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	87.76%
26) 1,2-Dichloroethane-d4	8.31	65	107849	22.13	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	88.52%
29) Benzene-d6	8.27	84	426227	21.14	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	84.56%
33) 1,2-Dichloropropane-d6	9.28	67	116201	21.63	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	86.52%
37) Toluene-d8	10.32	98	402064	21.18	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	84.72%
38) trans-1,3-Dichloropropene-	10.58	79	49877	21.33	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	85.32%
39) 2-Hexanone-d5	10.93	63	34989	48.58	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	97.16%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	96314	23.66	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	94.64%
61) 1,2-Dichlorobenzene-d4	13.85	152	147986	21.92	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	87.68%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	71547	20.058 ug/L	96
3) Chloromethane	2.21	50	87729	22.617 ug/L	100
5) Vinyl chloride	2.37	62	136416	23.946 ug/L	100
6) Bromomethane	2.78	94	101573	23.746 ug/L	99
8) Chloroethane	2.93	64	87324	24.491 ug/L	100
9) Trichlorofluoromethane	3.26	101	110297	21.760 ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	122636	23.312 ug/L #	85
12) 1,1-Dichloroethene	4.04	96	119629	23.677 ug/L	94
13) Acetone	4.12	43	32713	48.037 ug/L	98
14) Carbon disulfide	4.39	76	352479	23.751 ug/L	99
15) Methyl Acetate	4.67	43	39067	26.194 ug/L	98
16) Methylene chloride	4.92	84	129979	19.794 ug/L	96
17) Methyl tert-butyl Ether	5.43	73	154141	25.891 ug/L	100
18) trans-1,2-Dichloroethene	5.43	96	128808	23.820 ug/L	97
19) 1,1-Dichloroethane	6.22	63	203693	24.624 ug/L	99
21) 2-Butanone	7.17	43	50095	47.986 ug/L	99
22) cis-1,2-Dichloroethene	7.17	96	135776	24.722 ug/L	94

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Quant Title : VOC Analysis
QLast Update : Thu Nov 19 05:03:18 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.52	128	64256	24.935	ug/L	98
25) Chloroform	7.68	83	227640	24.607	ug/L	100
27) 1,2-Dichloroethane	8.40	62	137212	25.594	ug/L	99
30) Cyclohexane	7.96	56	164498	22.952	ug/L	98
31) 1,1,1-Trichloroethane	7.87	97	193635	23.134	ug/L	99
32) Carbon tetrachloride	8.07	117	190125	23.799	ug/L	97
34) Benzene	8.33	78	488031	24.155	ug/L	100
35) Trichloroethene	9.10	95	133444	23.349	ug/L	99
36) Methylcyclohexane	9.34	83	210463	23.048	ug/L	99
40) 1,2-Dichloropropane	9.37	63	111192	24.330	ug/L	99
41) Bromodichloromethane	9.65	83	161124	25.103	ug/L	98
42) cis-1,3-Dichloropropene	10.07	75	176226	24.845	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	113264	49.933	ug/L	99
44) Toluene	10.39	91	544775	24.307	ug/L	97
45) trans-1,3-Dichloropropene	10.61	75	149124	24.815	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	93075	25.852	ug/L	95
47) Tetrachloroethene	10.87	164	116558	22.493	ug/L	97
49) 2-Hexanone	10.97	43	75616	55.387	ug/L	97
50) Dibromochloromethane	11.13	129	115116	25.007	ug/L	95
51) 1,2-Dibromoethane	11.24	107	89067	25.219	ug/L	99
52) Chlorobenzene	11.66	112	357041	23.924	ug/L	99
53) Ethylbenzene	11.73	91	599907	23.870	ug/L	96
54) m,p-Xylene	11.84	106	233510	24.112	ug/L	89
55) o-xylene	12.16	106	222889	24.253	ug/L	90
56) Styrene	12.18	104	382161	25.084	ug/L	99
57) Isopropylbenzene	12.46	105	603642	23.985	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.71	83	100927	25.881	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	72356	25.693	ug/L	98
62) Bromoform	12.35	173	66106	25.695	ug/L	98
63) 1,3-Dichlorobenzene	13.50	146	288814	24.238	ug/L	94
64) 1,4-Dichlorobenzene	13.58	146	278648	23.701	ug/L	96
65) 1,2-Dichlorobenzene	13.87	146	259211	25.028	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.49	75	15582	26.994	ug/L	93
67) 1,3,5-Trichlorobenzene	14.63	180	202357	23.342	ug/L	99
68) 1,2,4-trichlorobenzene	15.14	180	159134	23.919	ug/L	98
69) Naphthalene	15.36	128	260873	27.311	ug/L	100
70) 1,2,3-Trichlorobenzene	15.55	180	146266	24.990	ug/L	97

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

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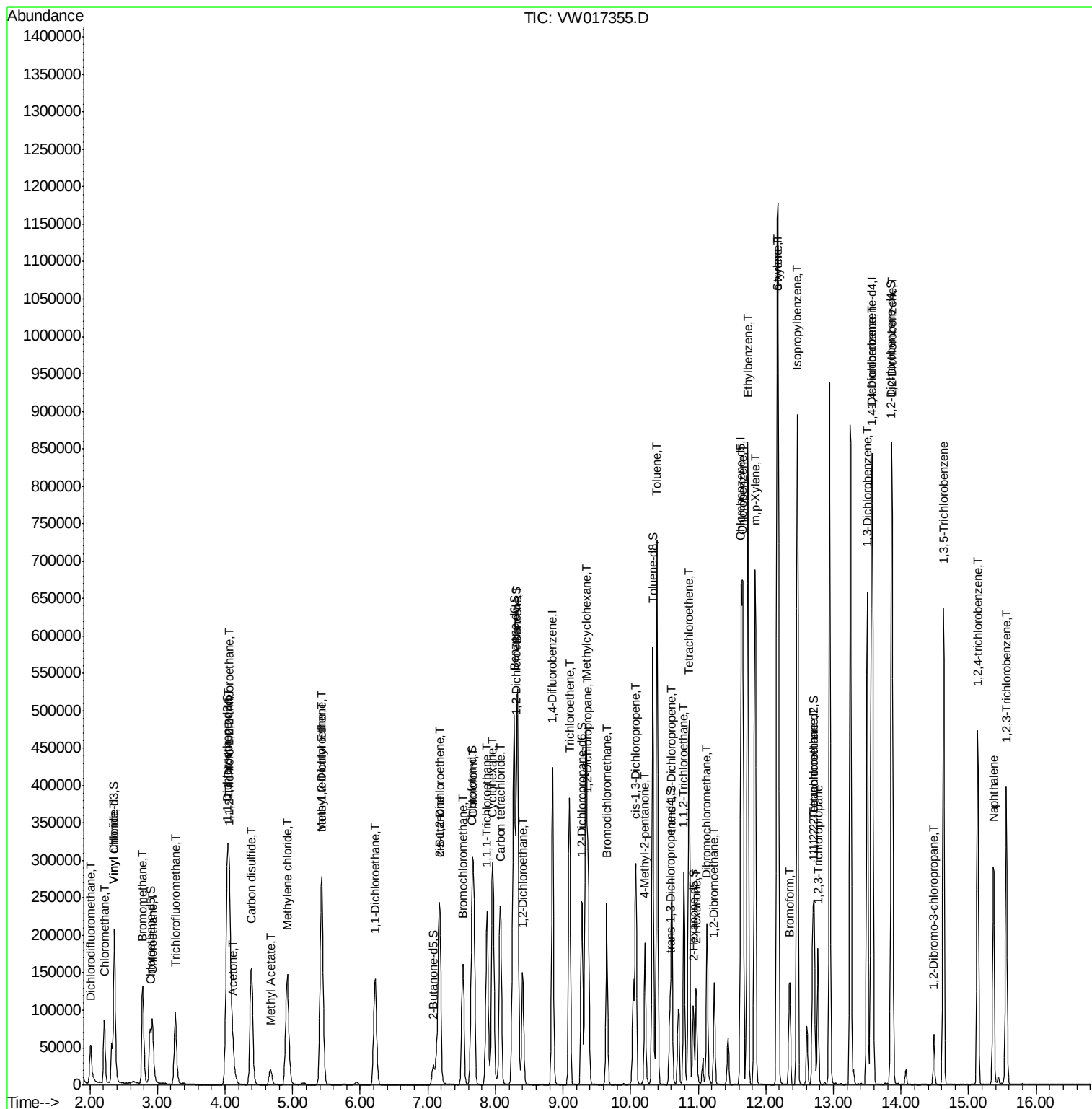
Quant Time: Nov 19 05:09:04 2020

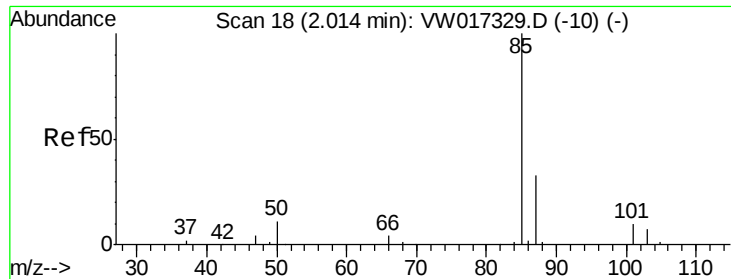
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_W\METHOD\S0M2WLM111820S.M

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#2

Dichlorodifluoromethane

Concen: 20.058 ug/L

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW017355.D

Acq: 19 Nov 2020 02:07

Instrument :

MSVOA_W

ClientSampleId :

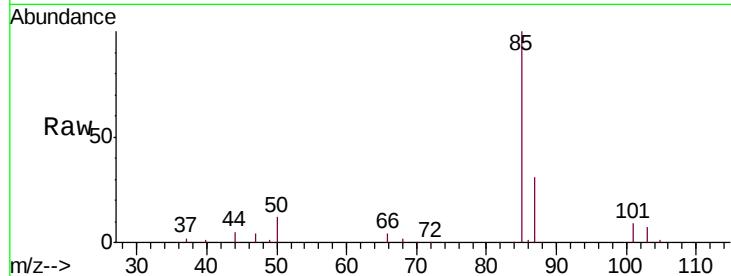
VSTD02513

Tgt Ion: 85 Resp: 71547

Ion Ratio Lower Upper

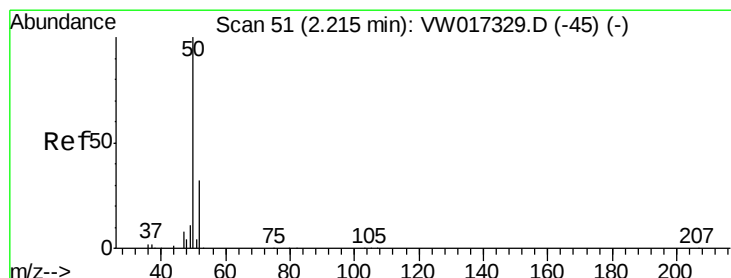
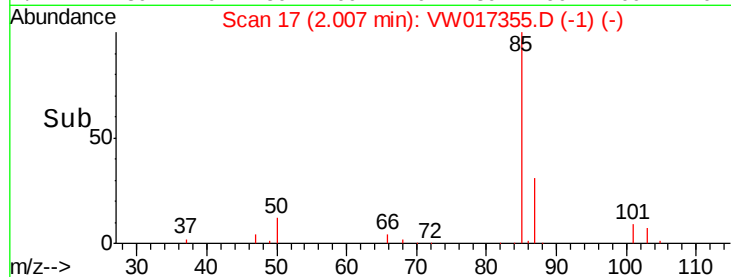
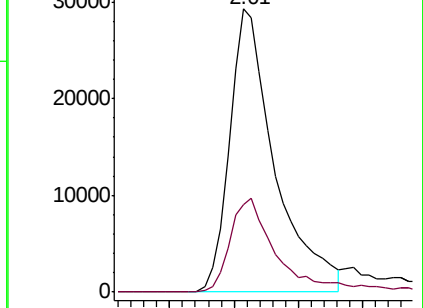
85 100

87 33.2 21.8 40.4



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 22.617 ug/L

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW017355.D

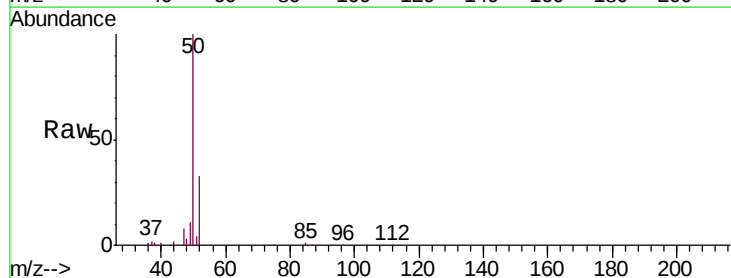
Acq: 19 Nov 2020 02:07

Tgt Ion: 50 Resp: 87729

Ion Ratio Lower Upper

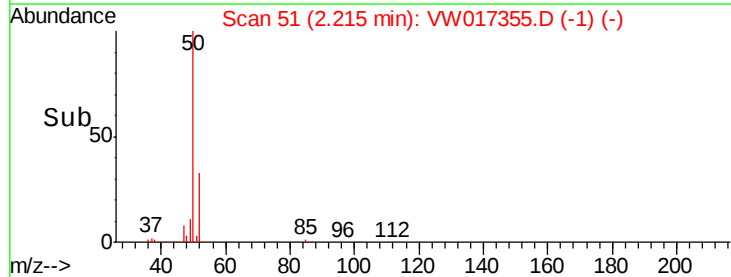
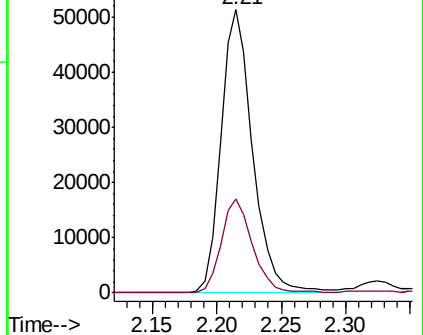
50 100

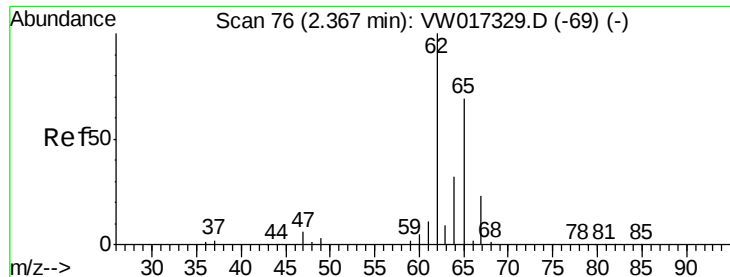
52 33.0 23.2 43.0



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 23.946 ug/L

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW017355.D

Acq: 19 Nov 2020 02:07

Instrument :

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ClientSampleId :

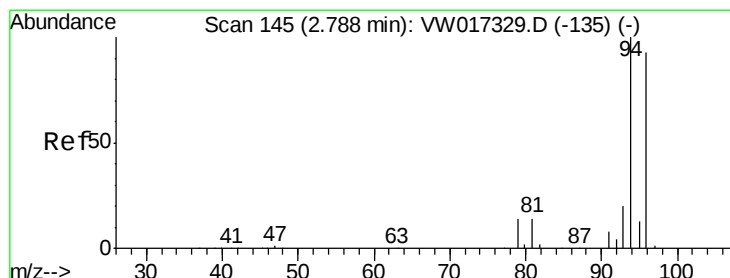
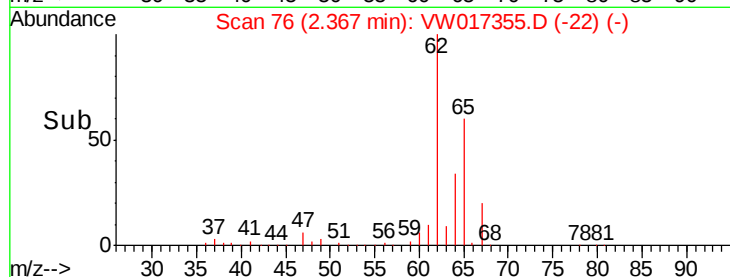
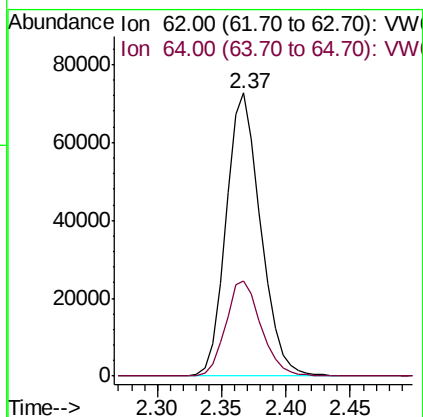
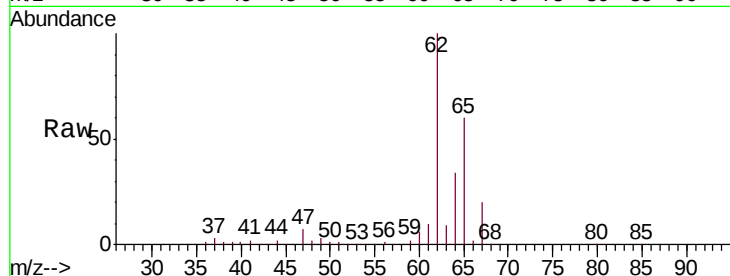
VSTD02513

Tgt Ion: 62 Resp: 136416

Ion Ratio Lower Upper

62 100

64 33.6 23.4 43.4



#6

Bromomethane

Concen: 23.746 ug/L

RT: 2.78 min Scan# 144

Delta R.T. -0.01 min

Lab File: VW017355.D

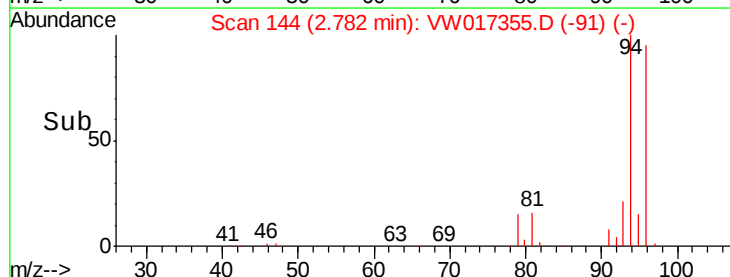
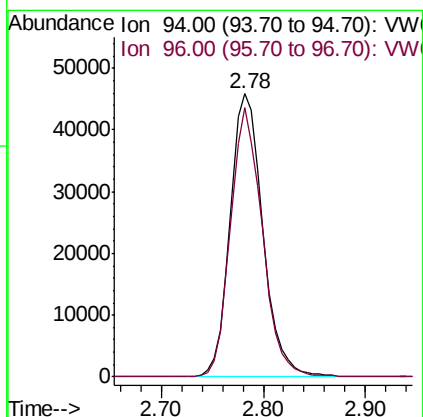
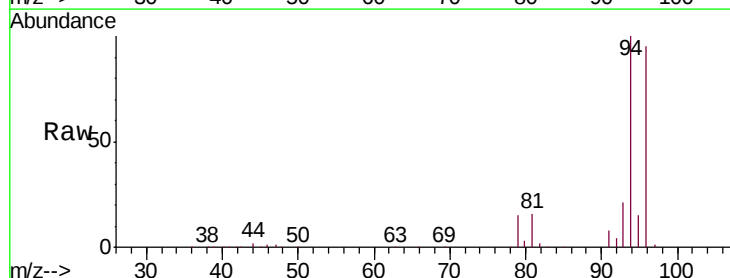
Acq: 19 Nov 2020 02:07

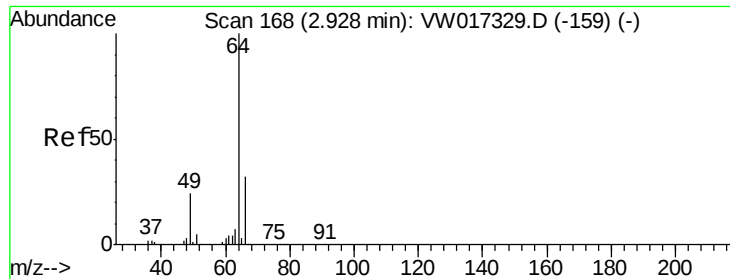
Tgt Ion: 94 Resp: 101573

Ion Ratio Lower Upper

94 100

96 92.8 9.4 178.6

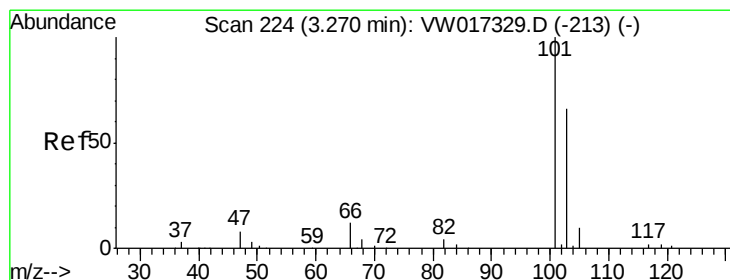
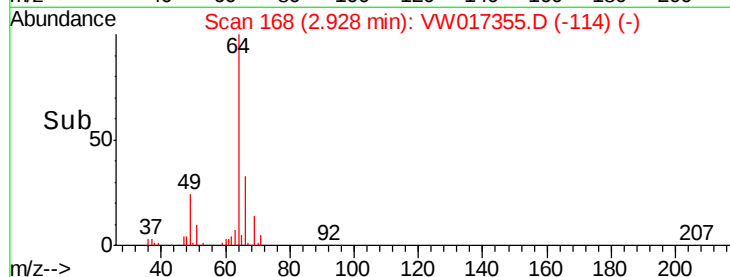
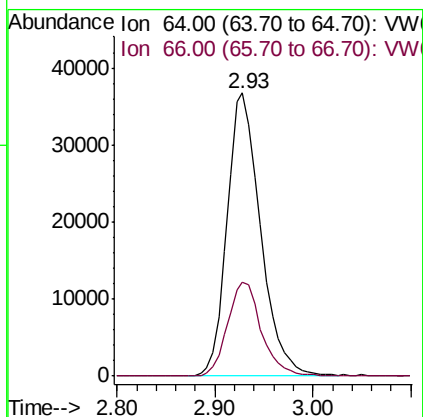
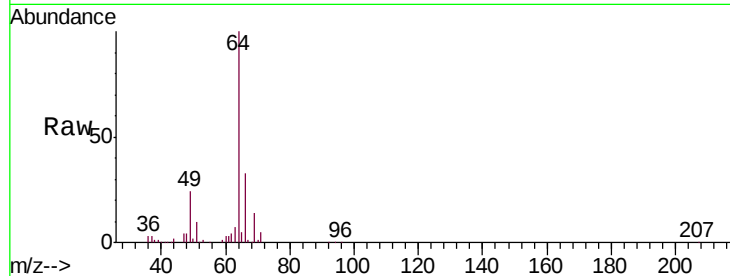




#8
Chloroethane
Concen: 24.491 ug/L
RT: 2.93 min Scan# 168
Delta R.T. -0.00 min
Lab File: VW017355.D
Acq: 19 Nov 2020 02:07

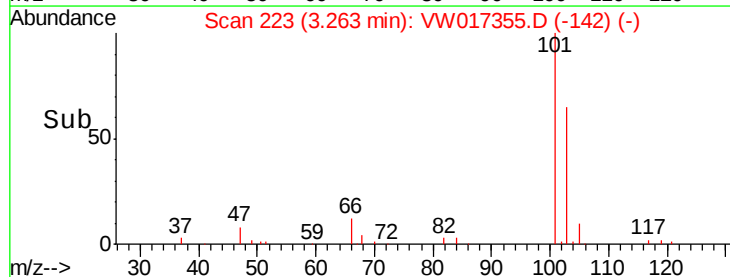
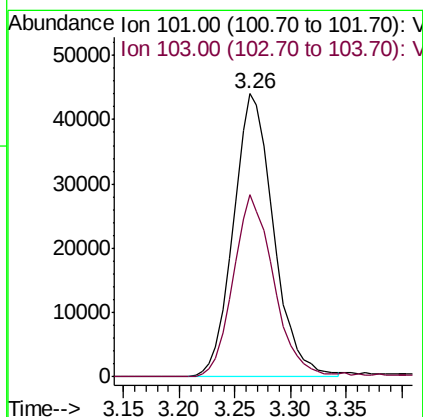
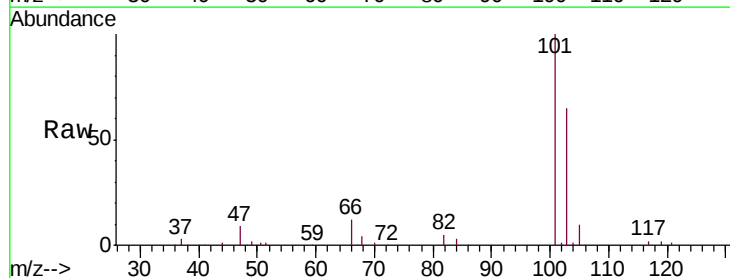
Instrument :
MSVOA_W
ClientSampleId :
VSTD02513

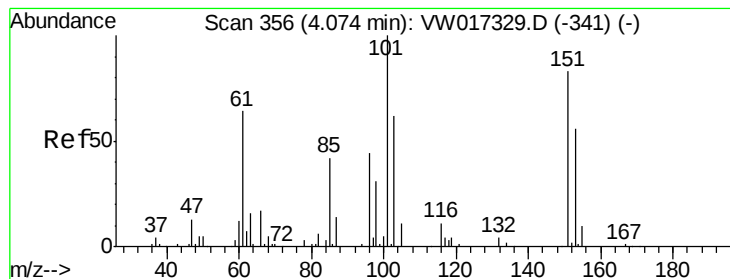
Tgt Ion: 64 Resp: 87324
Ion Ratio Lower Upper
64 100
66 33.0 23.2 43.0



#9
Trichlorofluoromethane
Concen: 21.760 ug/L
RT: 3.26 min Scan# 223
Delta R.T. -0.01 min
Lab File: VW017355.D
Acq: 19 Nov 2020 02:07

Tgt Ion: 101 Resp: 110297
Ion Ratio Lower Upper
101 100
103 64.4 45.8 85.2





#11

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

Concen: 23.312 ug/L

RT: 4.07 min Scan# 355

Delta R.T. -0.01 min

Lab File: VW017355.D

Acq: 19 Nov 2020 02:07

Instrument :

MSVOA_W

ClientSampleId :

VSTD02513

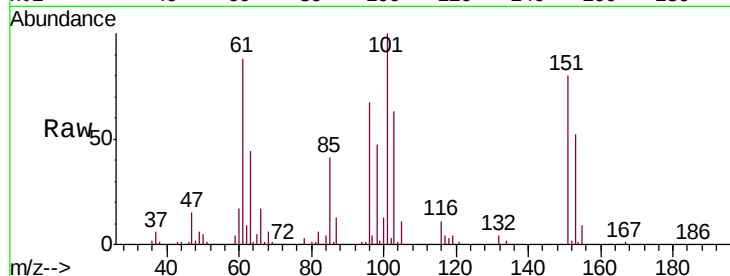
Tgt Ion: 101 Resp: 122636

Ion Ratio Lower Upper

101 100

85 18.6 34.6 51.8#

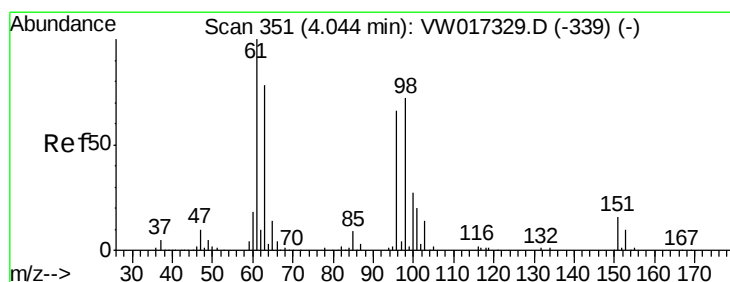
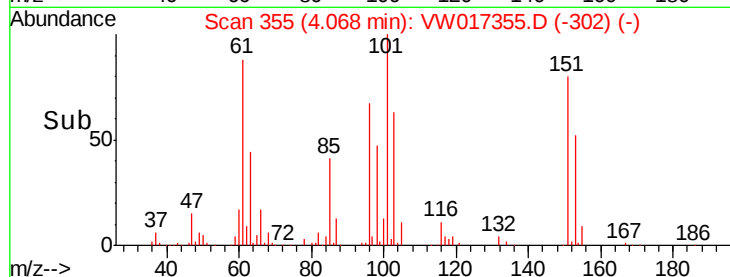
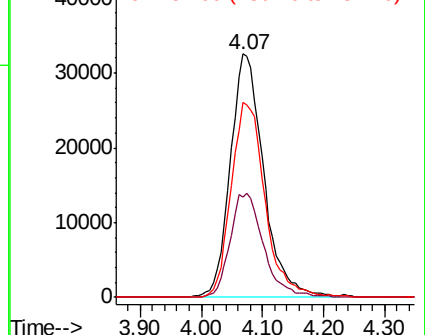
151 80.9 66.3 99.5



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: 23.677 ug/L

RT: 4.04 min Scan# 351

Delta R.T. -0.00 min

Lab File: VW017355.D

Acq: 19 Nov 2020 02:07

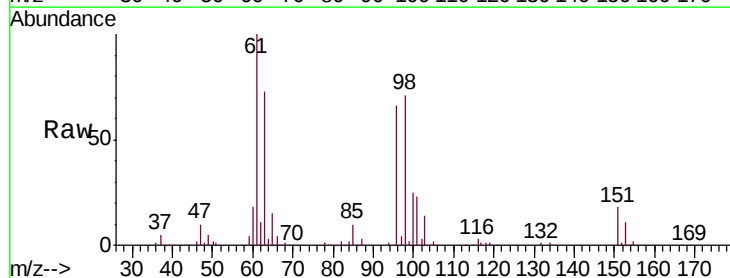
Tgt Ion: 96 Resp: 119629

Ion Ratio Lower Upper

96 100

61 152.5 104.7 194.4

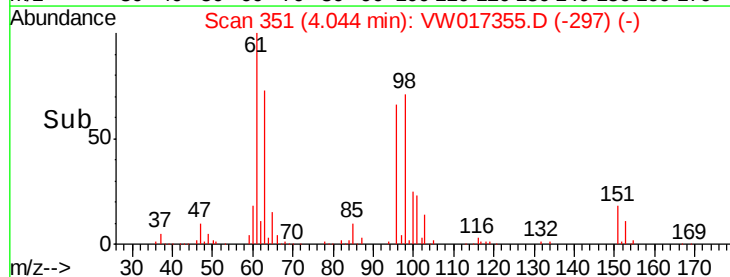
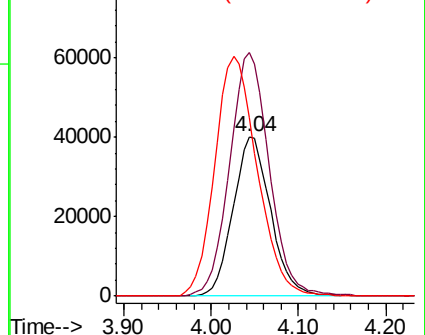
63 112.0 69.6 129.2

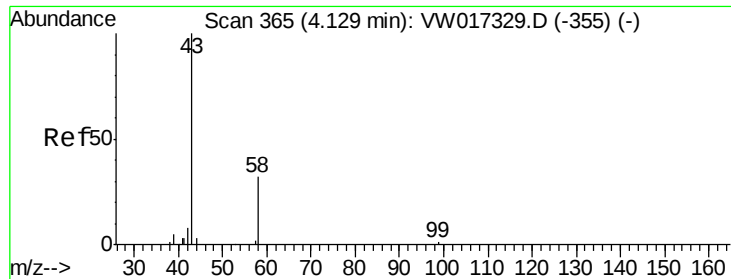


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 48.037 ug/L

RT: 4.12 min Scan# 364

Delta R.T. -0.01 min

Lab File: VW017355.D

Acq: 19 Nov 2020 02:07

Instrument :

MSVOA_W

ClientSampled :

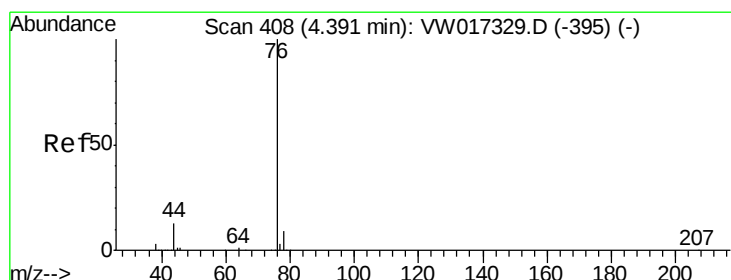
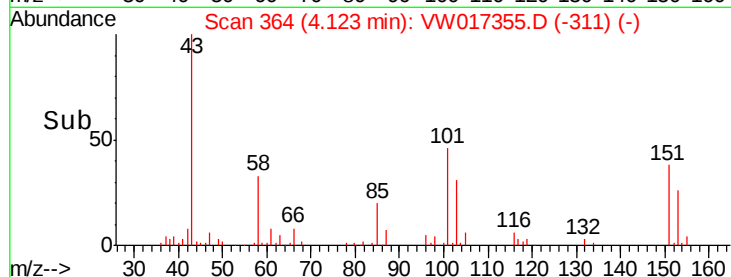
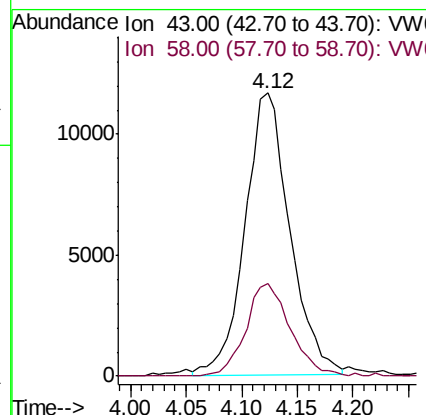
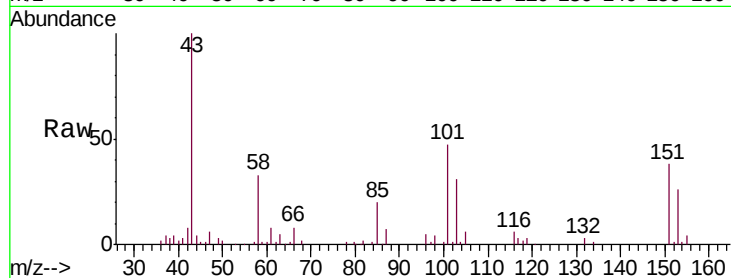
VSTD02513

Tgt Ion: 43 Resp: 32713

Ion Ratio Lower Upper

43 100

58 32.5 0.0 67.0



#14

Carbon disulfide

Concen: 23.751 ug/L

RT: 4.39 min Scan# 408

Delta R.T. -0.00 min

Lab File: VW017355.D

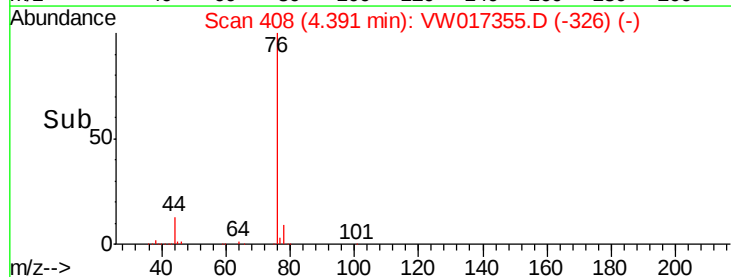
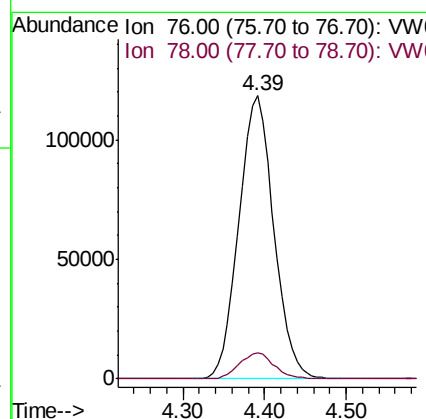
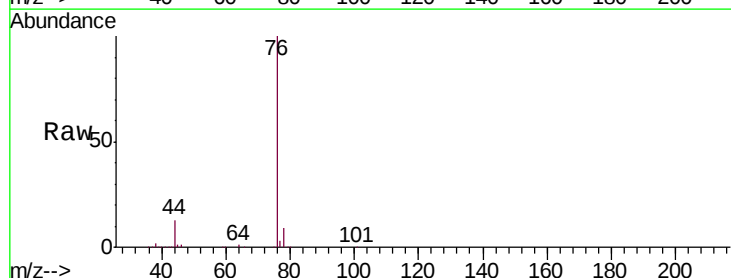
Acq: 19 Nov 2020 02:07

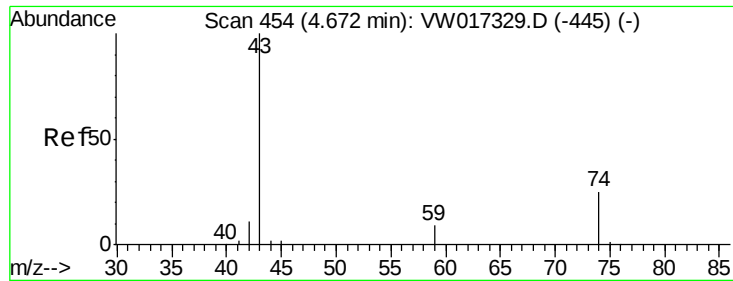
Tgt Ion: 76 Resp: 352479

Ion Ratio Lower Upper

76 100

78 9.2 7.8 11.6

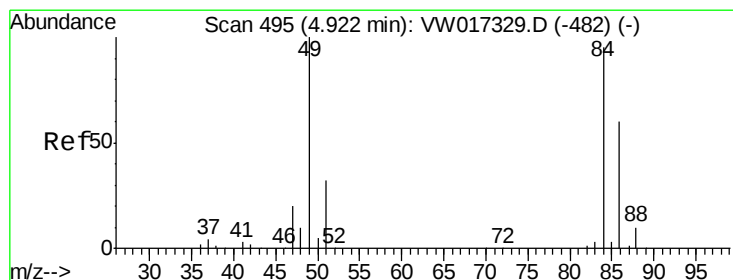
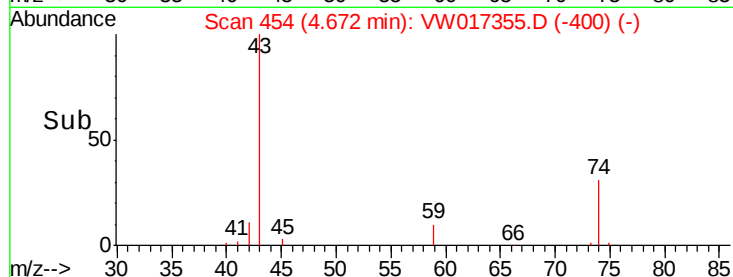
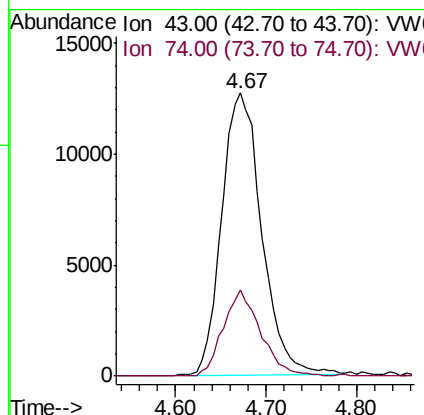
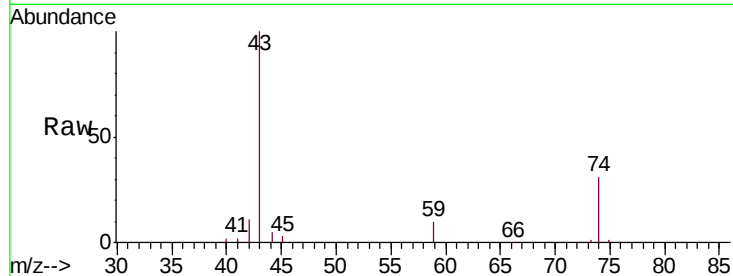




#15
Methyl Acetate
Concen: 26.194 ug/L
RT: 4.67 min Scan# 454
Delta R.T. -0.00 min
Lab File: VW017355.D
Acq: 19 Nov 2020 02:07

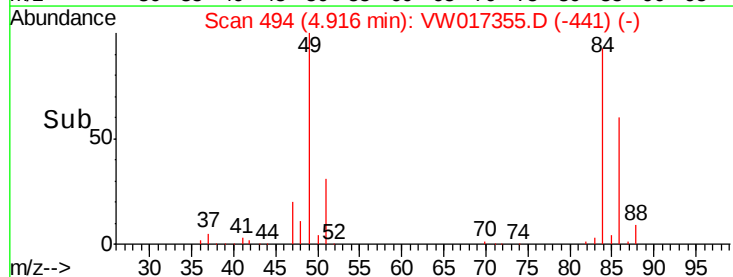
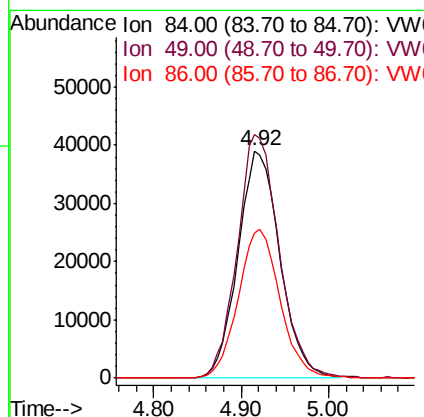
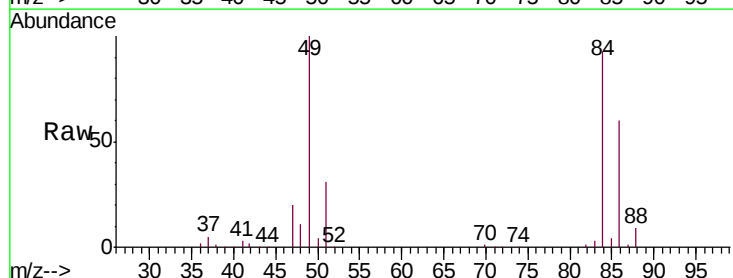
Instrument :
MSVOA_W
ClientSampleId :
VSTD02513

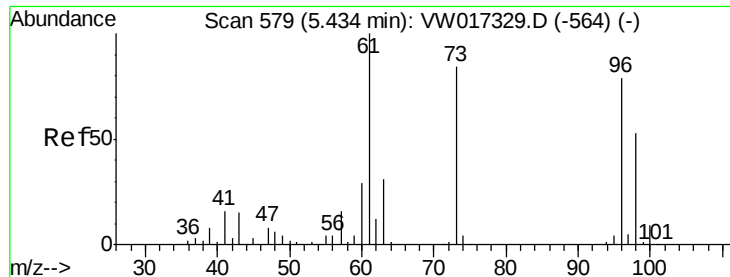
Tgt Ion: 43 Resp: 39067
Ion Ratio Lower Upper
43 100
74 28.5 23.7 35.5



#16
Methylene chloride
Concen: 19.794 ug/L
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW017355.D
Acq: 19 Nov 2020 02:07

Tgt Ion: 84 Resp: 129979
Ion Ratio Lower Upper
84 100
49 107.2 71.5 132.9
86 64.0 42.8 79.4

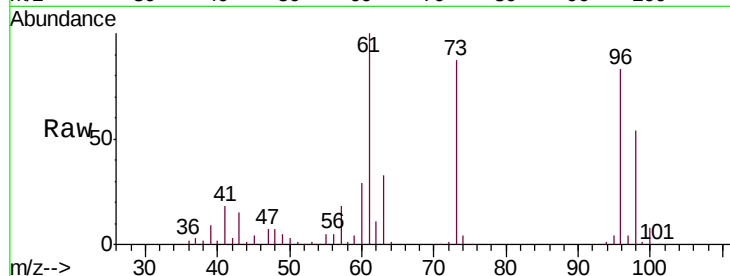




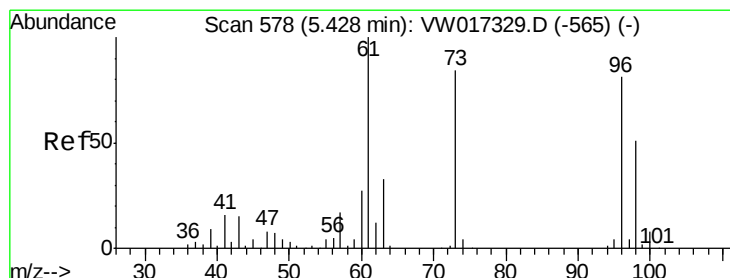
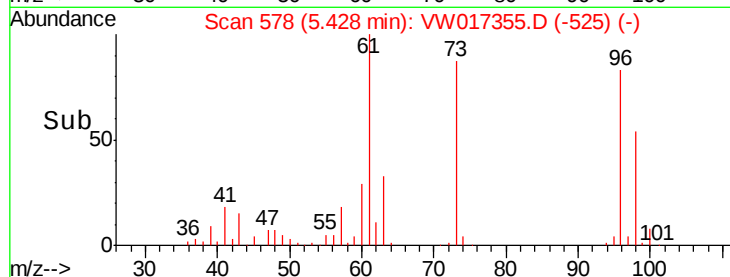
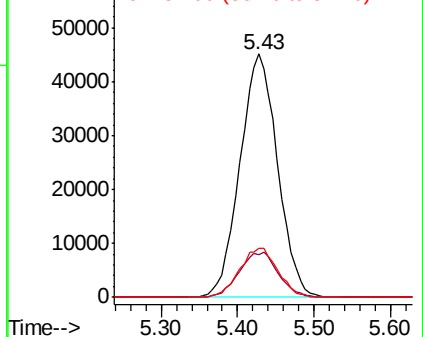
#17
Methyl tert-butyl Ether
Concen: 25.891 ug/L
RT: 5.43 min Scan# 578
Delta R.T. -0.01 min
Lab File: VW017355.D
Acq: 19 Nov 2020 02:07

Instrument :
MSVOA_W
ClientSampleId :
VSTD02513

Tgt Ion: 73 Resp: 154141
Ion Ratio Lower Upper
73 100
43 19.6 15.7 23.5
57 20.7 16.3 24.5

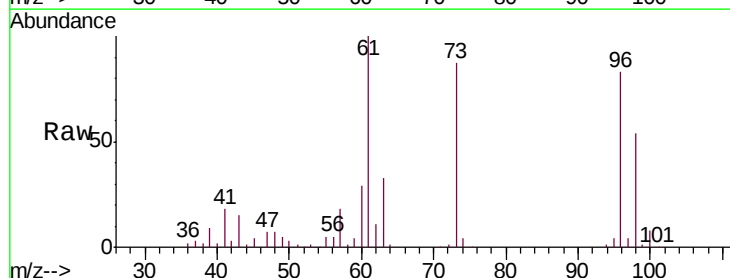


Abundance Ion 73.00 (72.70 to 73.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 57.00 (56.70 to 57.70): VW

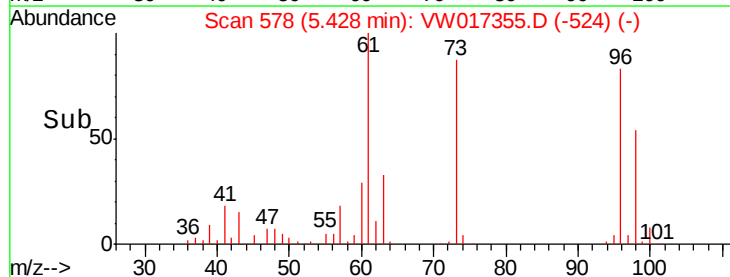
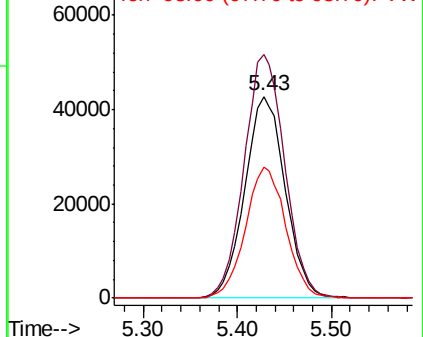


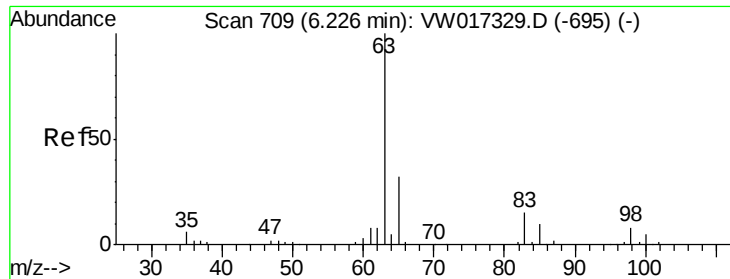
#18
trans-1,2-Dichloroethene
Concen: 23.820 ug/L
RT: 5.43 min Scan# 578
Delta R.T. -0.00 min
Lab File: VW017355.D
Acq: 19 Nov 2020 02:07

Tgt Ion: 96 Resp: 128808
Ion Ratio Lower Upper
96 100
61 120.7 84.3 156.5
98 64.7 41.5 77.1



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

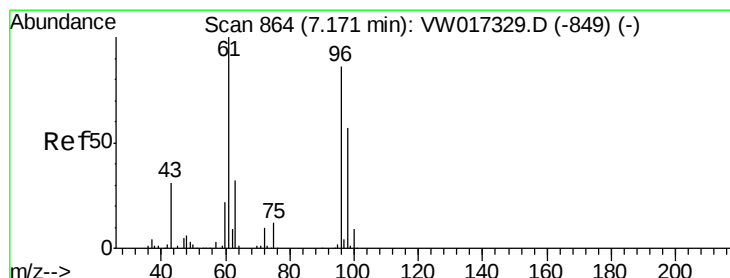
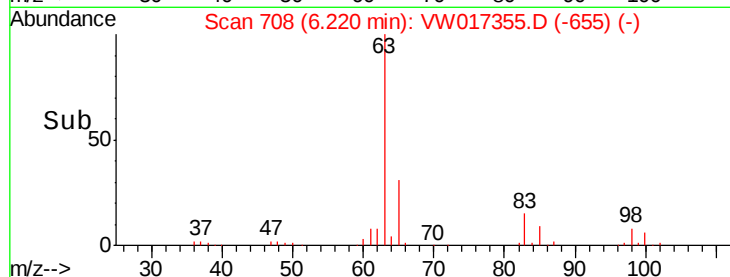
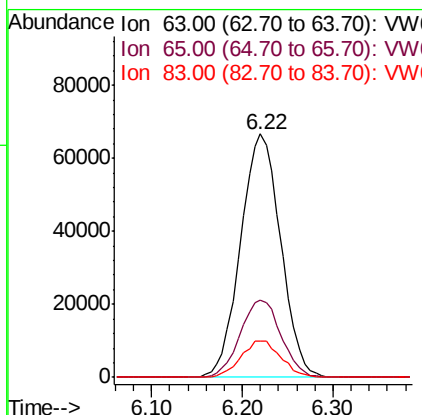
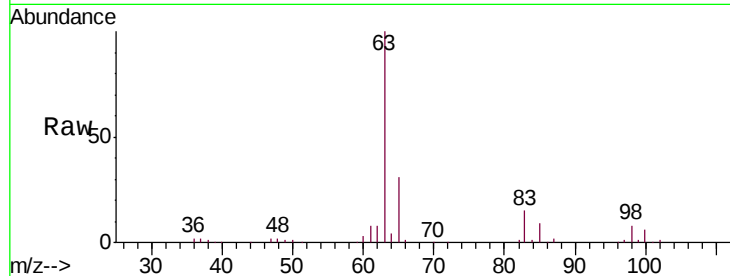




#19
 1,1-Dichloroethane
 Concen: 24.624 ug/L
 RT: 6.22 min Scan# 708
 Delta R.T. -0.01 min
 Lab File: VW017355.D
 Acq: 19 Nov 2020 02:07

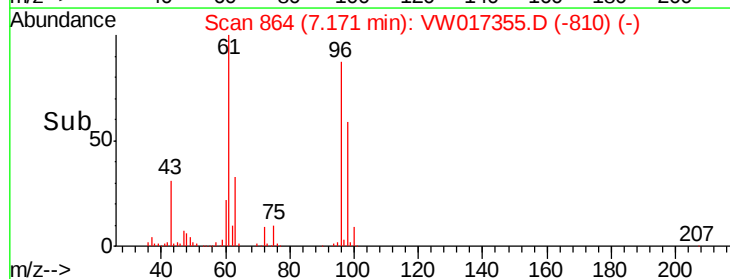
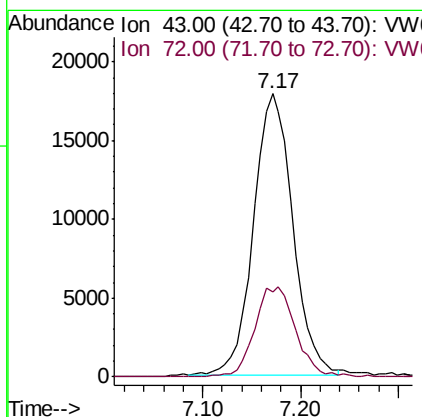
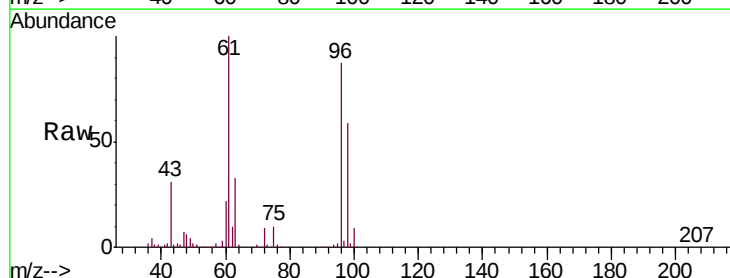
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02513

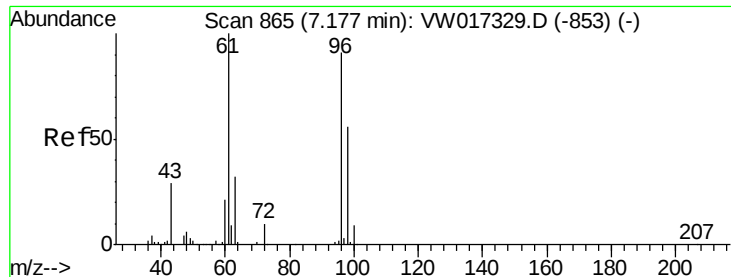
Tgt Ion	Ratio	Lower	Upper
63	100		
65	31.5	22.3	41.5
83	14.9	10.1	18.7



#21
 2-Butanone
 Concen: 47.986 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. -0.00 min
 Lab File: VW017355.D
 Acq: 19 Nov 2020 02:07

Tgt Ion	Ratio	Lower	Upper
43	100		
72	33.3	16.4	49.1



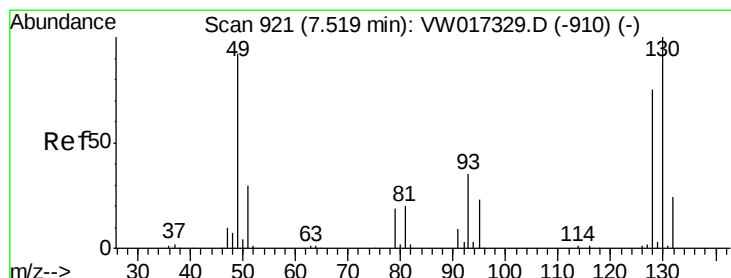
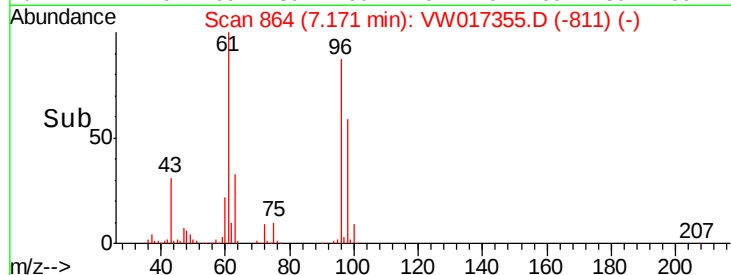
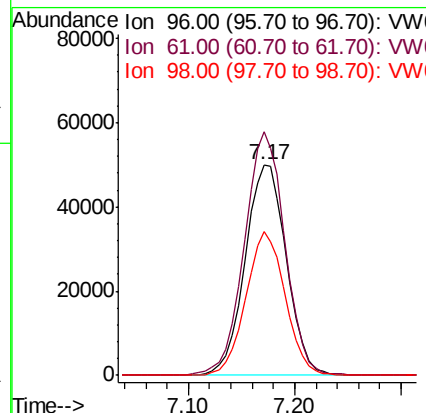
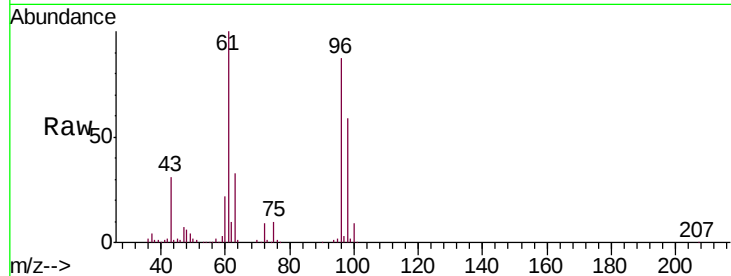


#22

cis-1,2-Dichloroethene
Concen: 24.722 ug/L
RT: 7.17 min Scan# 864
Delta R.T. -0.01 min
Lab File: VW017355.D
Acq: 19 Nov 2020 02:07

Instrument :
MSVOA_W
ClientSampleId :
VSTD02513

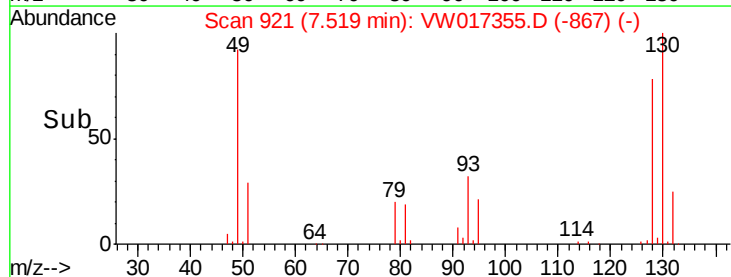
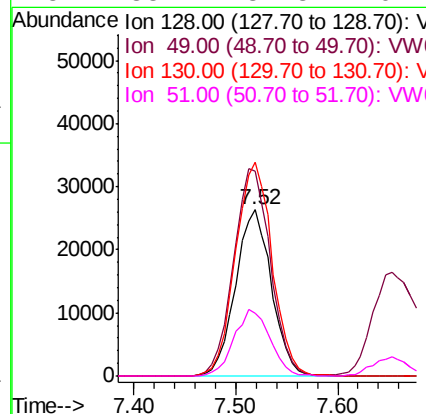
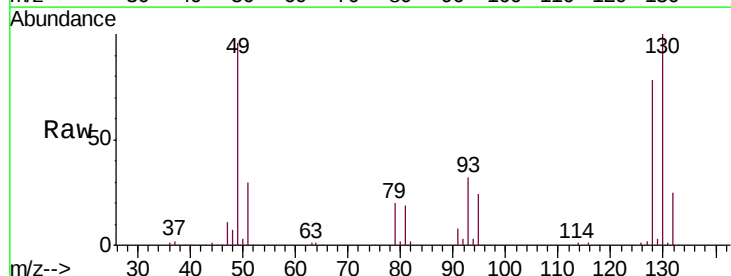
Tgt Ion: 96 Resp: 135776
Ion Ratio Lower Upper
96 100
61 115.5 76.1 141.3
98 68.0 44.7 82.9

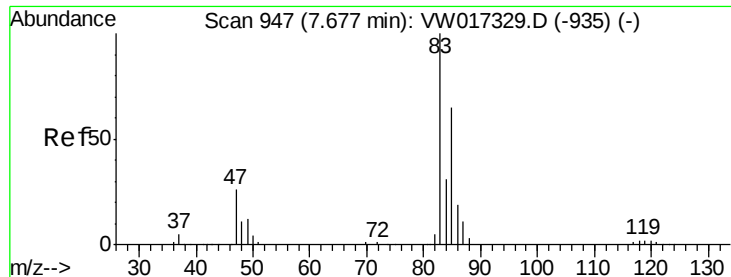


#23

Bromochloromethane
Concen: 24.935 ug/L
RT: 7.52 min Scan# 921
Delta R.T. -0.00 min
Lab File: VW017355.D
Acq: 19 Nov 2020 02:07

Tgt Ion: 128 Resp: 64256
Ion Ratio Lower Upper
128 100
49 123.7 85.5 158.7
130 128.8 91.5 169.9
51 38.1 32.8 49.2

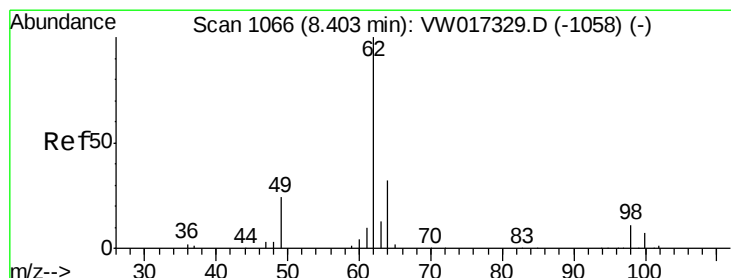
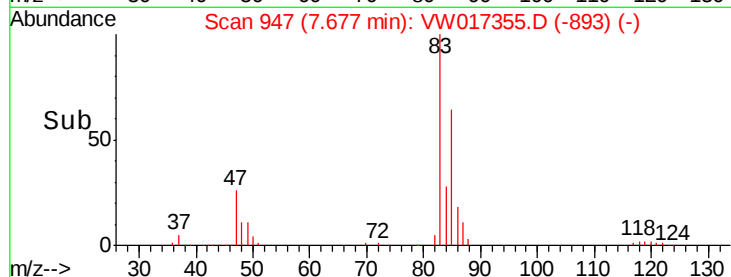
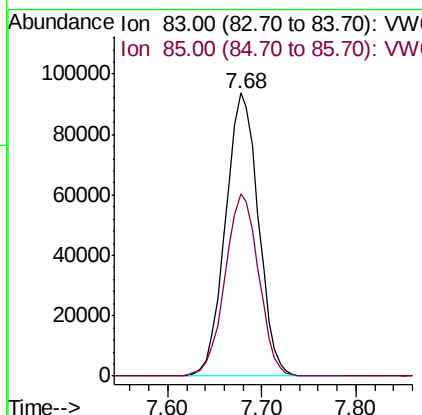
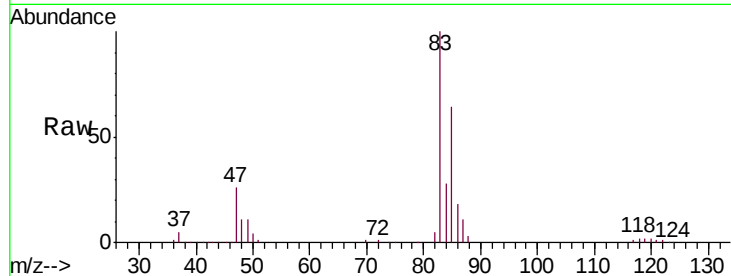




#25
Chloroform
Concen: 24.607 ug/L
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW017355.D
Acq: 19 Nov 2020 02:07

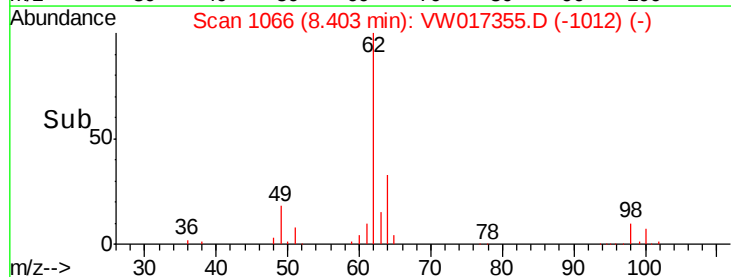
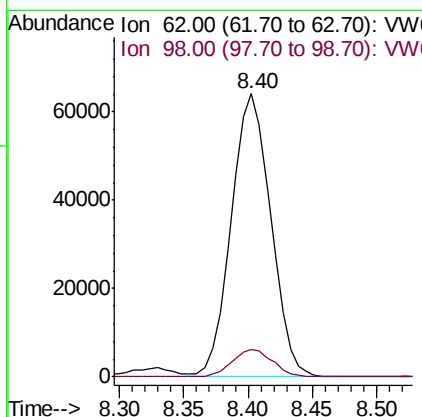
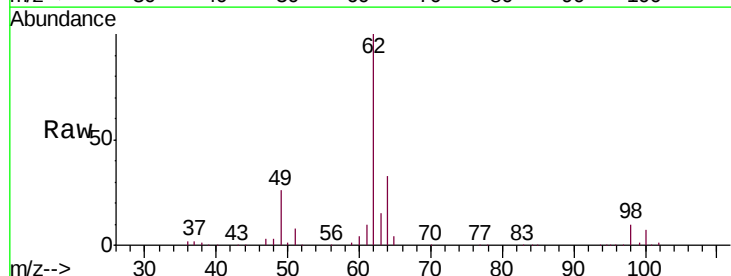
Instrument :
MSVOA_W
ClientSampleId :
VSTD02513

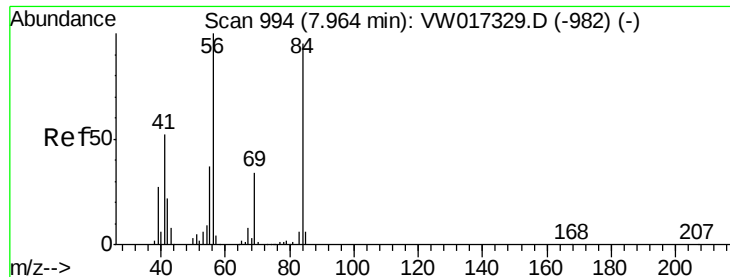
Tgt Ion: 83 Resp: 227640
Ion Ratio Lower Upper
83 100
85 65.9 46.1 85.5



#27
1,2-Dichloroethane
Concen: 25.594 ug/L
RT: 8.40 min Scan# 1066
Delta R.T. -0.00 min
Lab File: VW017355.D
Acq: 19 Nov 2020 02:07

Tgt Ion: 62 Resp: 137212
Ion Ratio Lower Upper
62 100
98 9.8 7.7 11.5

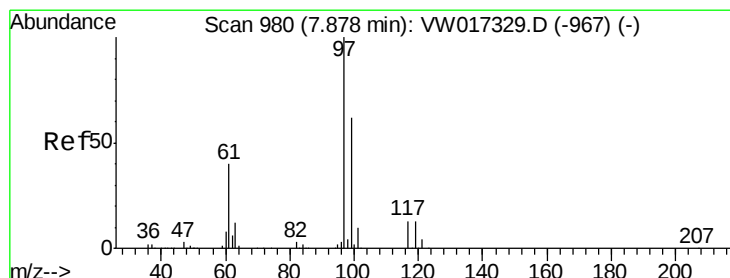
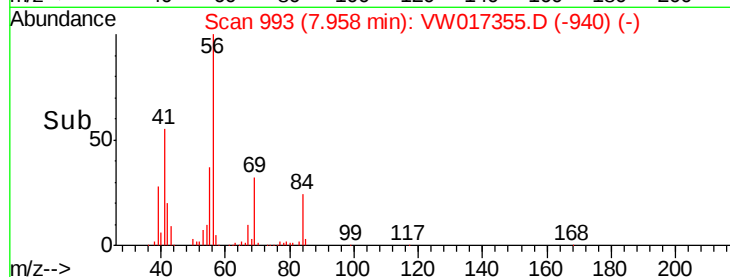
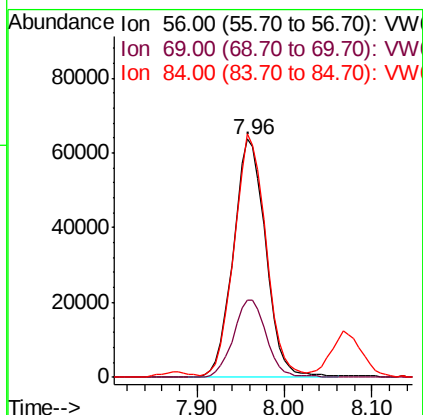
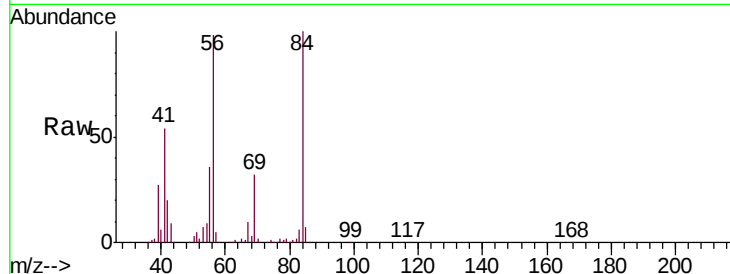




#30
Cyclohexane
Concen: 22.952 ug/L
RT: 7.96 min Scan# 993
Delta R.T. -0.01 min
Lab File: VW017355.D
Acq: 19 Nov 2020 02:07

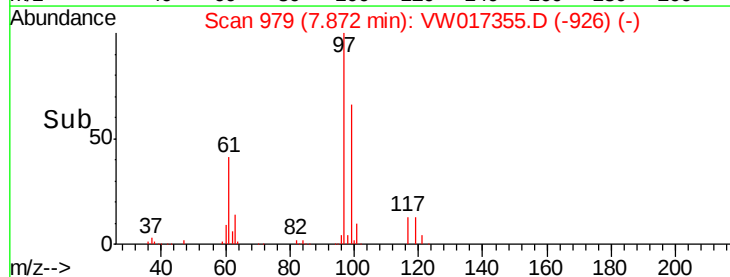
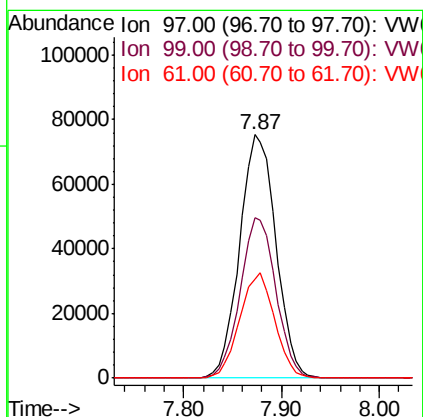
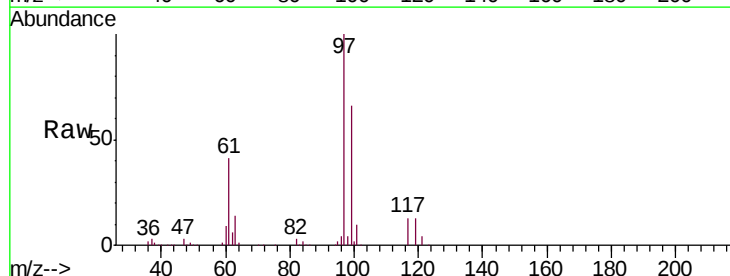
Instrument :
MSVOA_W
ClientSampleId :
VSTD02513

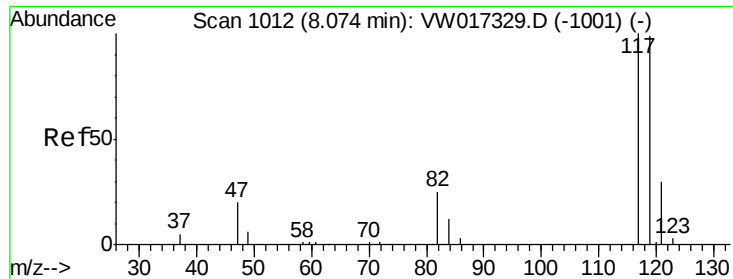
Tgt Ion: 56 Resp: 164498
Ion Ratio Lower Upper
56 100
69 33.1 27.0 40.6
84 99.9 82.2 123.4



#31
1,1,1-Trichloroethane
Concen: 23.134 ug/L
RT: 7.87 min Scan# 979
Delta R.T. -0.01 min
Lab File: VW017355.D
Acq: 19 Nov 2020 02:07

Tgt Ion: 97 Resp: 193635
Ion Ratio Lower Upper
97 100
99 64.9 51.4 77.2
61 41.8 32.7 49.1





#32

Carbon tetrachloride

Concen: 23.799 ug/L

RT: 8.07 min Scan# 1012

Delta R.T. -0.00 min

Lab File: VW017355.D

Acq: 19 Nov 2020 02:07

Instrument :

MSVOA_W

ClientSampleId :

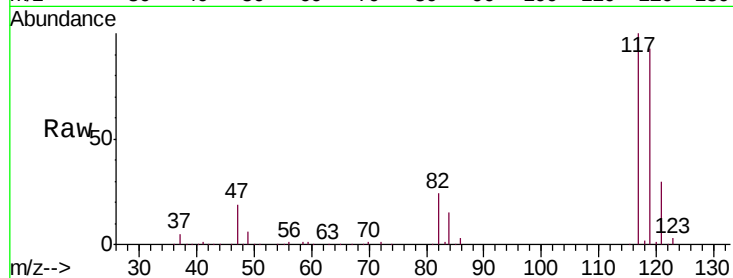
VSTD02513

Tgt Ion:117 Resp: 190125

Ion Ratio Lower Upper

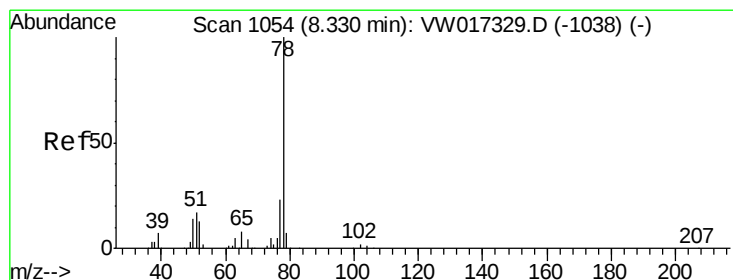
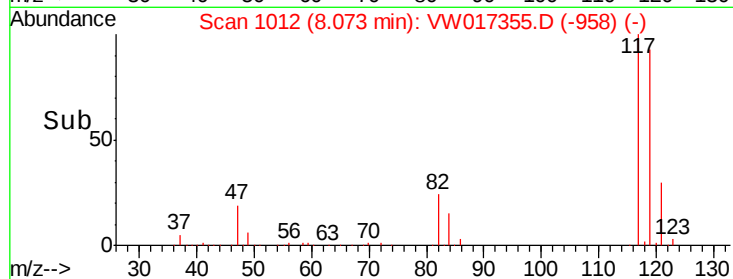
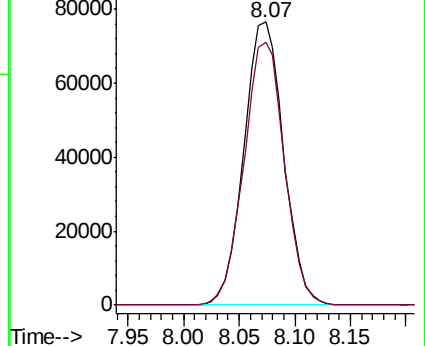
117 100

119 94.6 77.8 116.6



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 24.155 ug/L

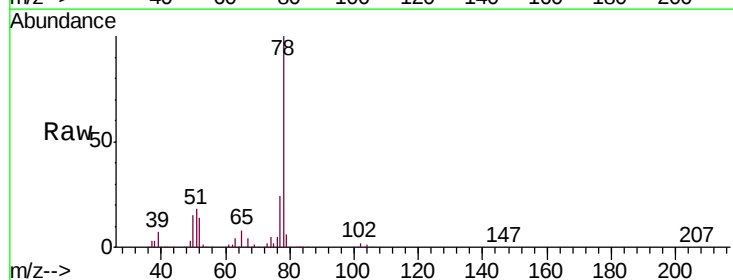
RT: 8.33 min Scan# 1054

Delta R.T. -0.00 min

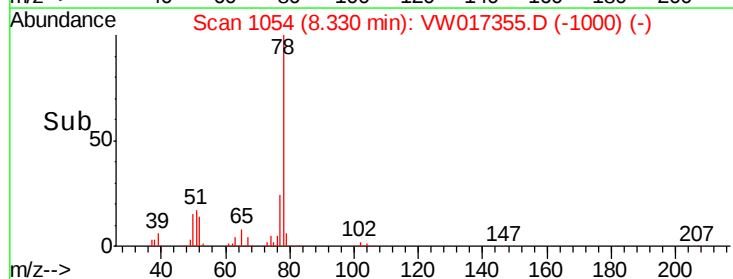
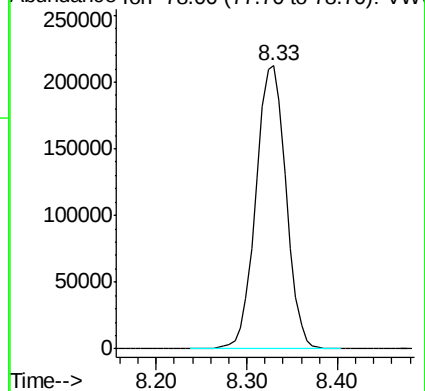
Lab File: VW017355.D

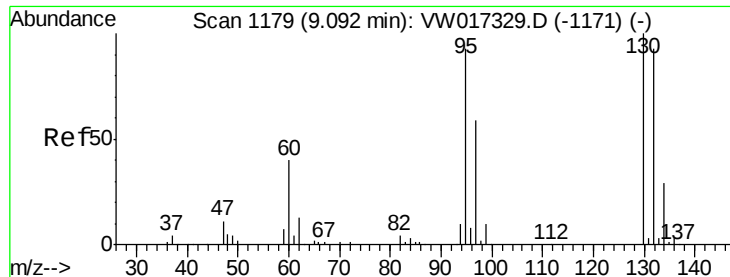
Acq: 19 Nov 2020 02:07

Tgt Ion: 78 Resp: 488031



Abundance Ion 78.00 (77.70 to 78.70): VW





#35

Trichloroethene

Concen: 23.349 ug/L

RT: 9.10 min Scan# 1180

Delta R.T. 0.01 min

Lab File: VW017355.D

Acq: 19 Nov 2020 02:07

Instrument :

MSVOA_W

ClientSampled :

VSTD02513

Tgt Ion: 95 Resp: 133444

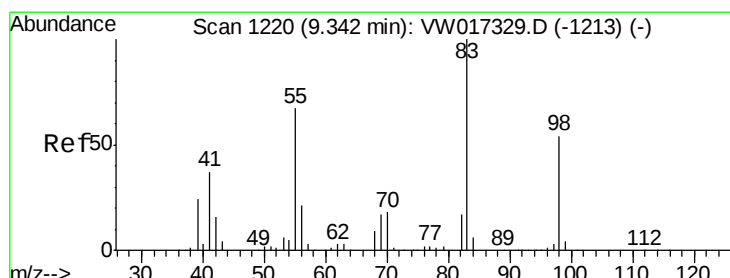
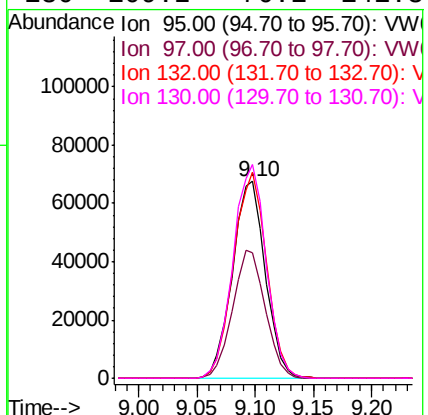
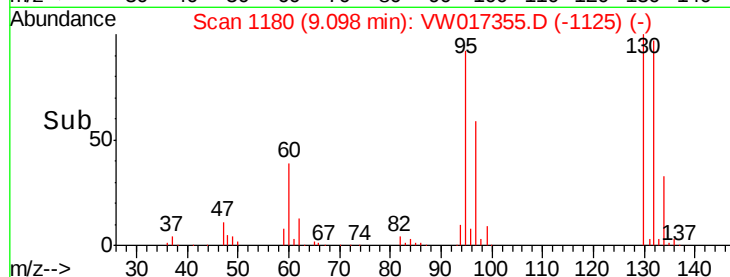
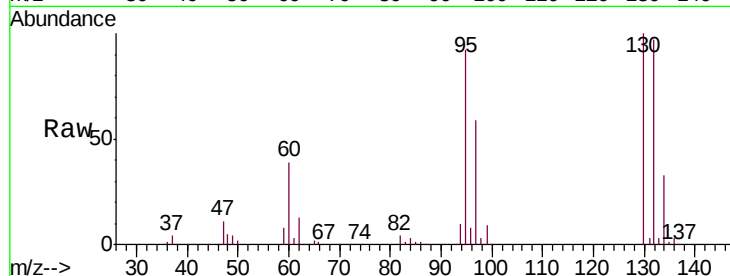
Ion Ratio Lower Upper

95 100

97 64.4 44.7 82.9

132 105.0 72.7 134.9

130 109.2 76.1 141.3



#36

Methylcyclohexane

Concen: 23.048 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. -0.01 min

Lab File: VW017355.D

Acq: 19 Nov 2020 02:07

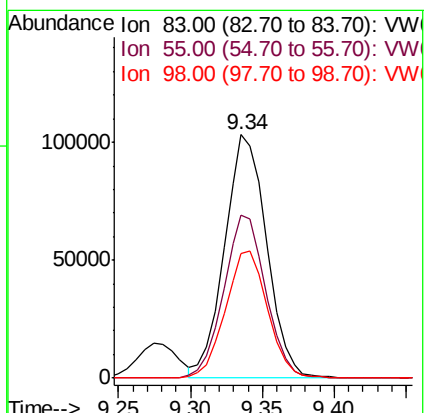
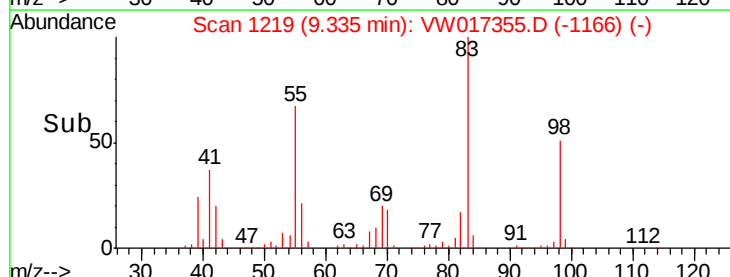
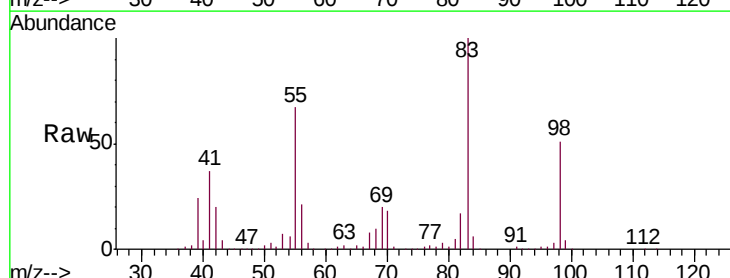
Tgt Ion: 83 Resp: 210463

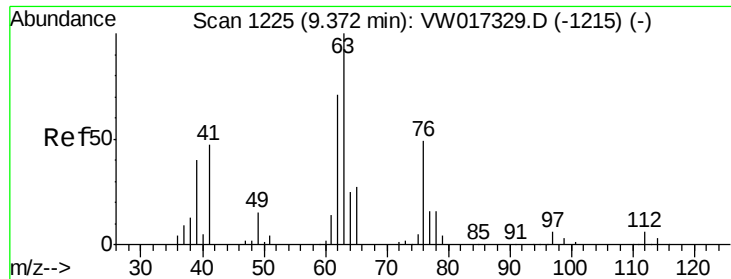
Ion Ratio Lower Upper

83 100

55 66.7 54.6 81.8

98 52.6 41.5 62.3

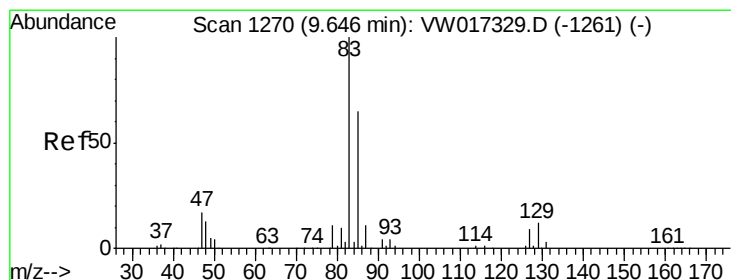
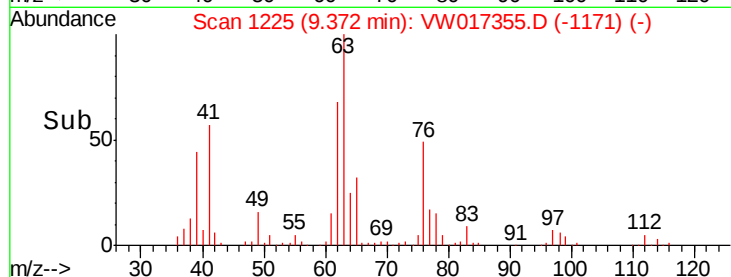
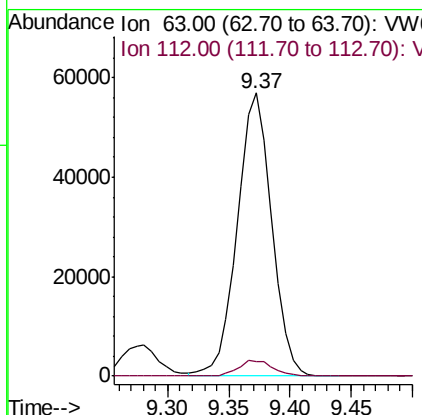
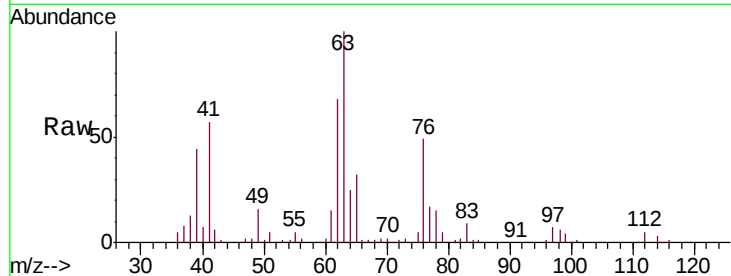




#40
 1,2-Dichloropropane
 Concen: 24.330 ug/L
 RT: 9.37 min Scan# 1225
 Delta R.T. -0.00 min
 Lab File: VW017355.D
 Acq: 19 Nov 2020 02:07

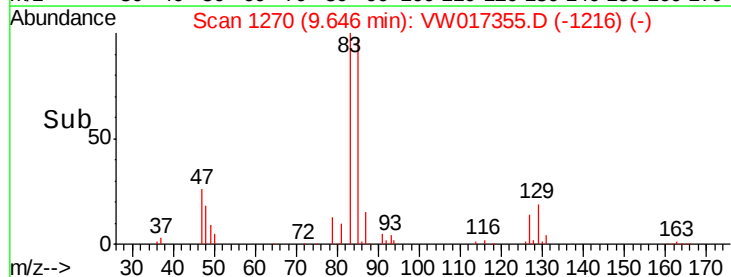
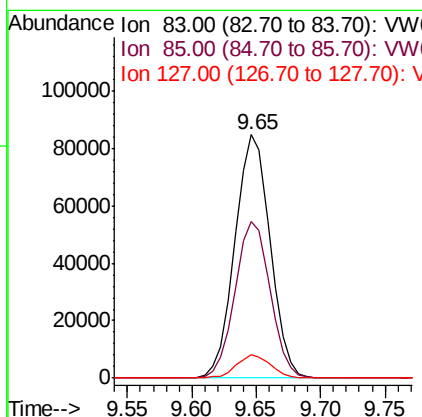
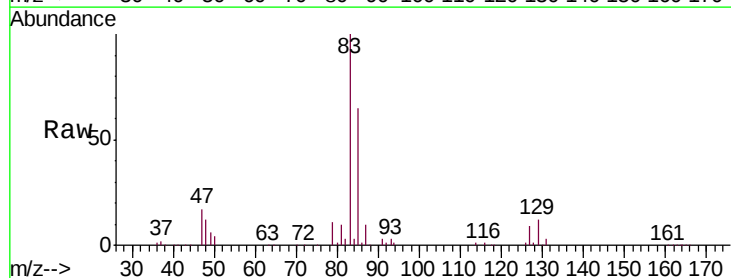
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02513

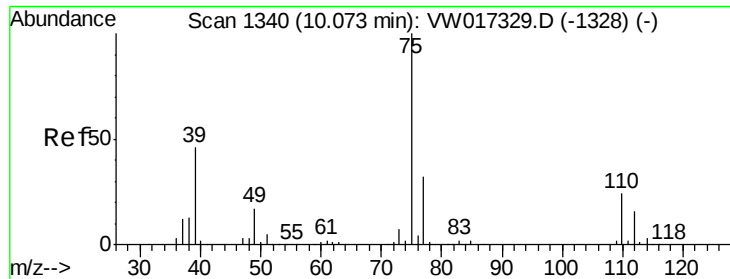
Tgt Ion: 63 Resp: 111192
 Ion Ratio Lower Upper
 63 100
 112 5.6 4.2 6.4



#41
 Bromodichloromethane
 Concen: 25.103 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VW017355.D
 Acq: 19 Nov 2020 02:07

Tgt Ion: 83 Resp: 161124
 Ion Ratio Lower Upper
 83 100
 85 64.6 44.1 81.9
 127 9.4 7.3 10.9





#42

cis-1,3-Dichloropropene

Concen: 24.845 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW017355.D

Acq: 19 Nov 2020 02:07

Instrument :

MSVOA_W

ClientSampled :

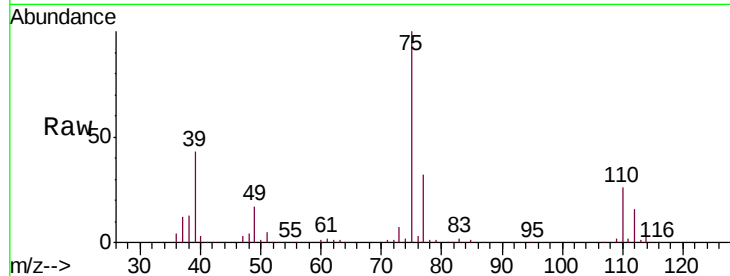
VSTD02513

Tgt Ion: 75 Resp: 176226

Ion Ratio Lower Upper

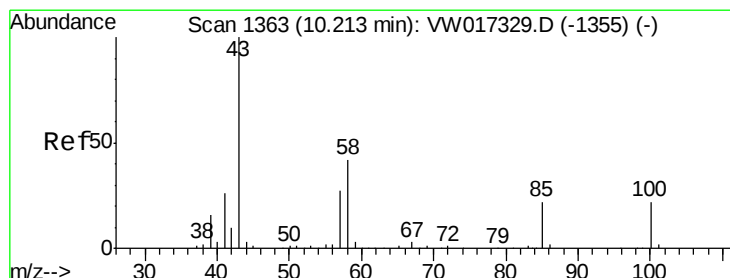
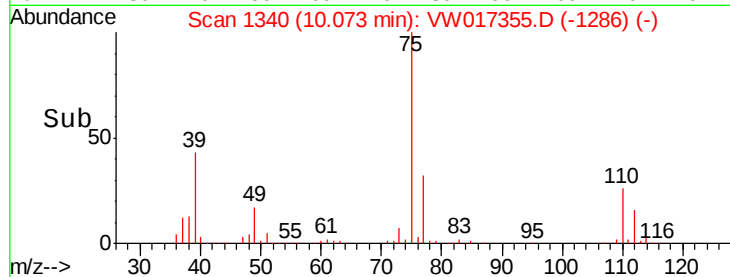
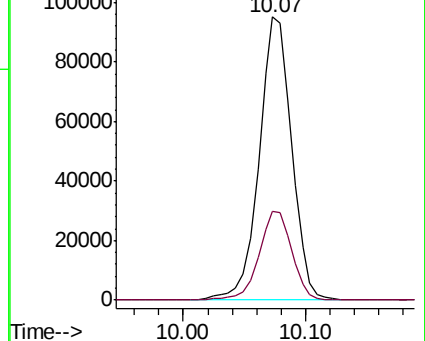
75 100

77 31.5 21.8 40.4



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW



#43

4-Methyl-2-pentanone

Concen: 49.933 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VW017355.D

Acq: 19 Nov 2020 02:07

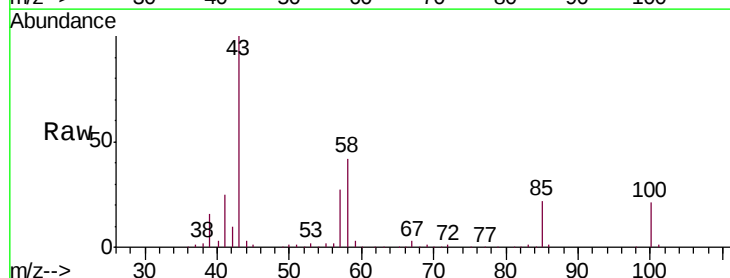
Tgt Ion: 43 Resp: 113264

Ion Ratio Lower Upper

43 100

58 42.1 33.4 50.2

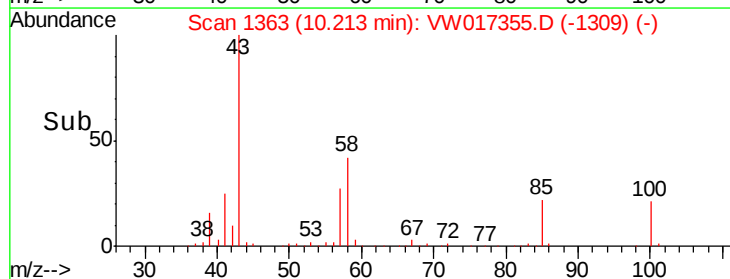
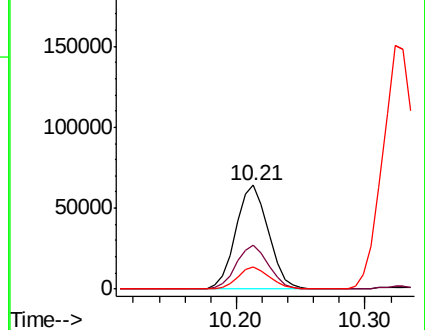
100 20.8 16.3 24.5

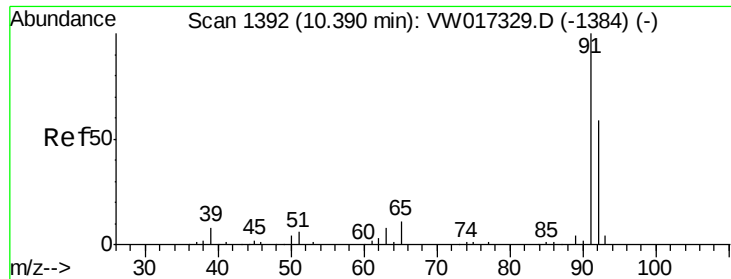


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 100.00 (99.70 to 100.70): VW





#44

Toluene

Concen: 24.307 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW017355.D

Acq: 19 Nov 2020 02:07

Instrument :

MSVOA_W

ClientSampleId :

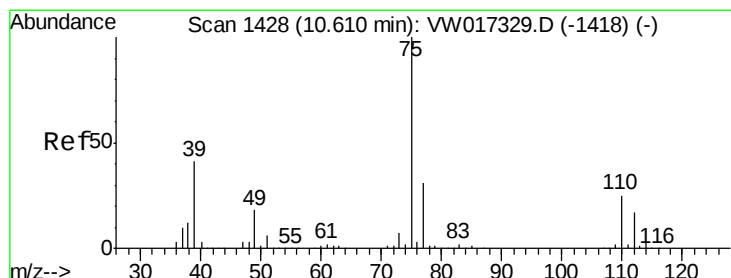
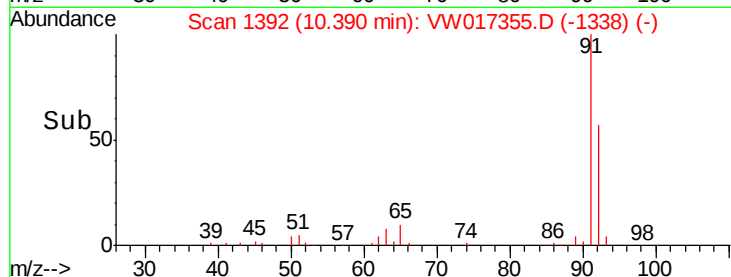
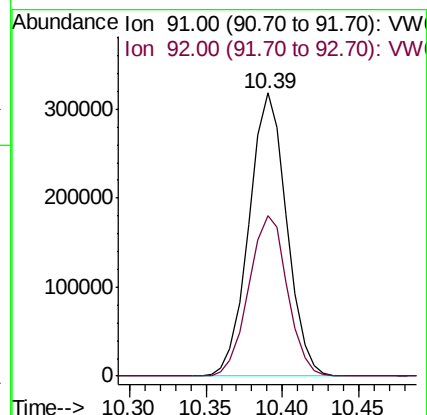
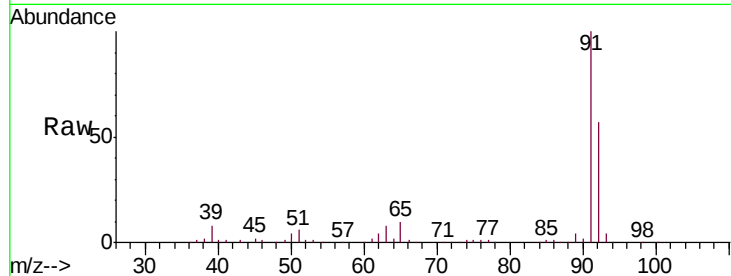
VSTD02513

Tgt Ion: 91 Resp: 544775

Ion Ratio Lower Upper

91 100

92 56.6 41.4 76.8



#45

trans-1,3-Dichloropropene

Concen: 24.815 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. -0.00 min

Lab File: VW017355.D

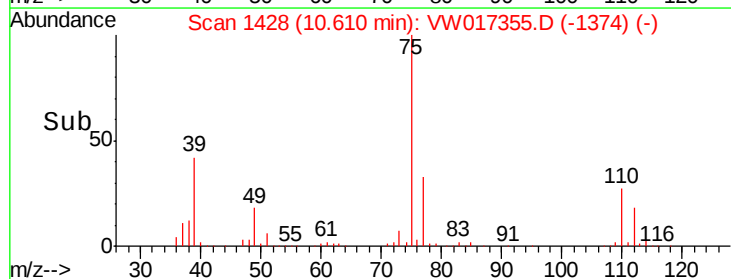
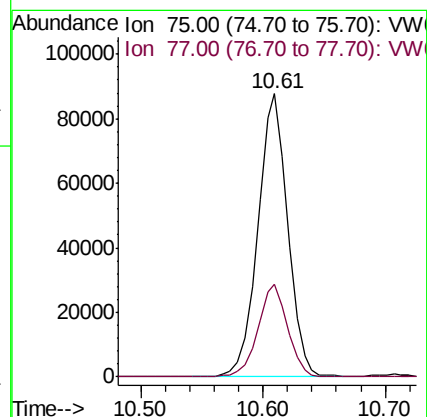
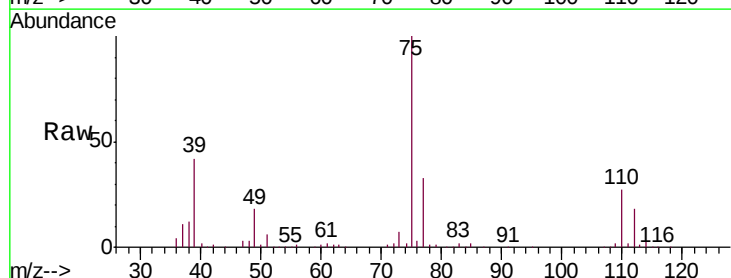
Acq: 19 Nov 2020 02:07

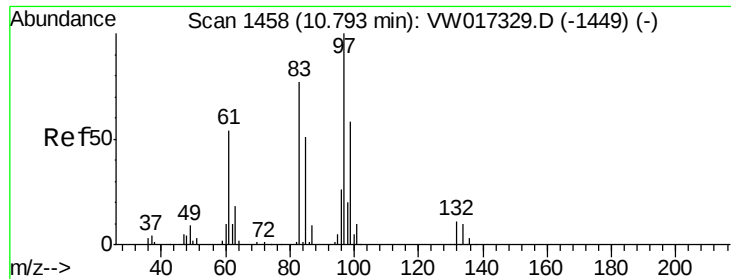
Tgt Ion: 75 Resp: 149124

Ion Ratio Lower Upper

75 100

77 32.7 22.0 40.8

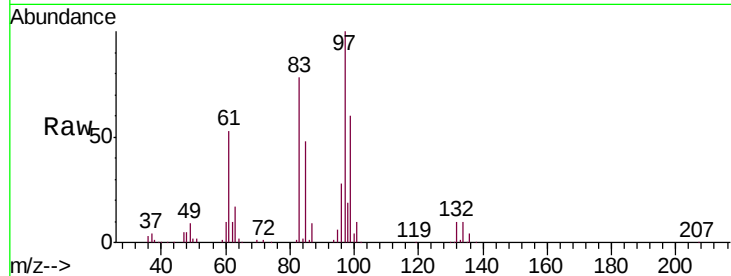




#46
 1,1,2-Trichloroethane
 Concen: 25.852 ug/L
 RT: 10.79 min Scan# 1458
 Delta R.T. -0.00 min
 Lab File: VW017355.D
 Acq: 19 Nov 2020 02:07

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02513

Tgt Ion:	97	Resp:	93075
Ion	Ratio	Lower	Upper
97	100		
83	77.6	56.6	105.2
85	48.4	37.7	69.9
99	59.8	44.8	83.2



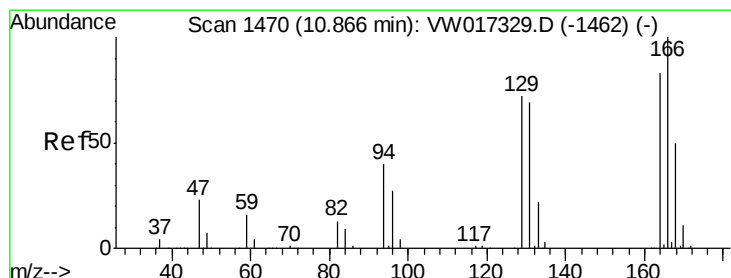
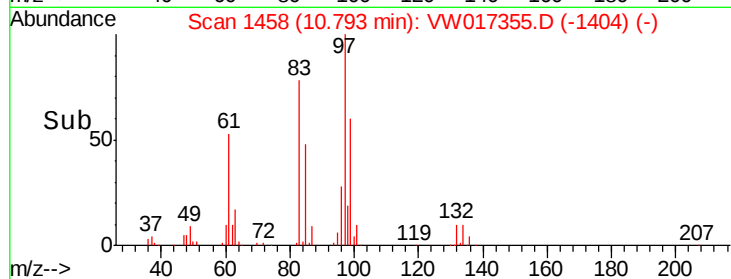
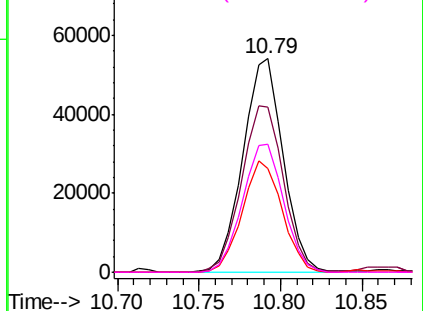
Abundance

Ion 97.00 (96.70 to 97.70): VW

Ion 83.00 (82.70 to 83.70): VW

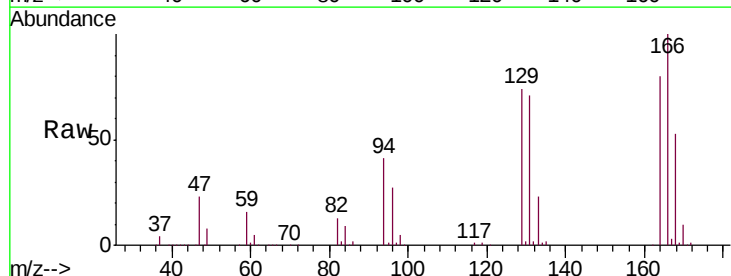
Ion 85.00 (84.70 to 85.70): VW

Ion 99.00 (98.70 to 99.70): VW



#47
 Tetrachloroethene
 Concen: 22.493 ug/L
 RT: 10.87 min Scan# 1470
 Delta R.T. -0.00 min
 Lab File: VW017355.D
 Acq: 19 Nov 2020 02:07

Tgt Ion:	164	Resp:	116558
Ion	Ratio	Lower	Upper
164	100		
129	91.9	60.6	112.6
131	88.1	60.4	112.2
166	124.8	88.6	164.6



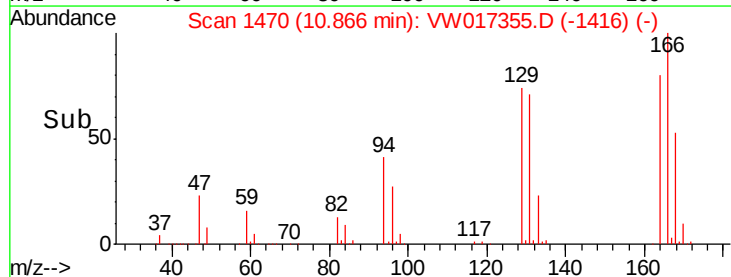
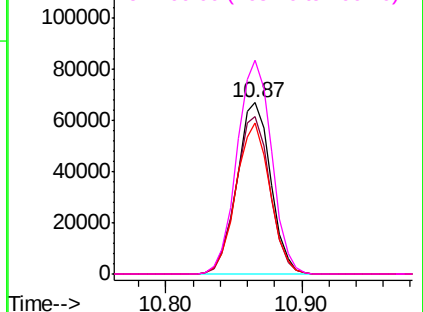
Abundance

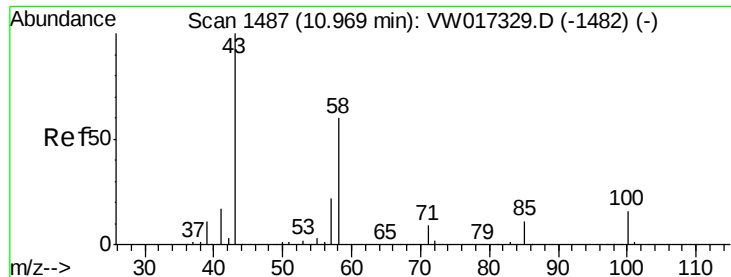
Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V





#49

2-Hexanone

Concen: 55.387 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VW017355.D

Acq: 19 Nov 2020 02:07

Instrument :

MSVOA_W

ClientSampleId :

VSTD02513

Tgt Ion: 43 Resp: 75616

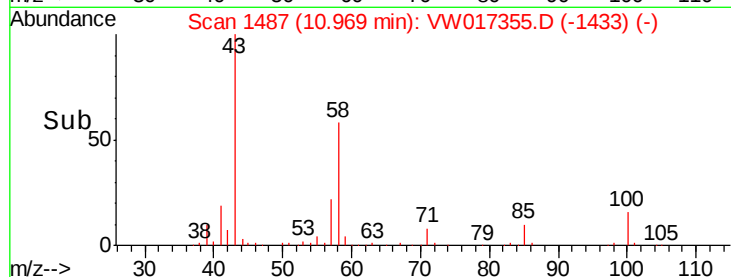
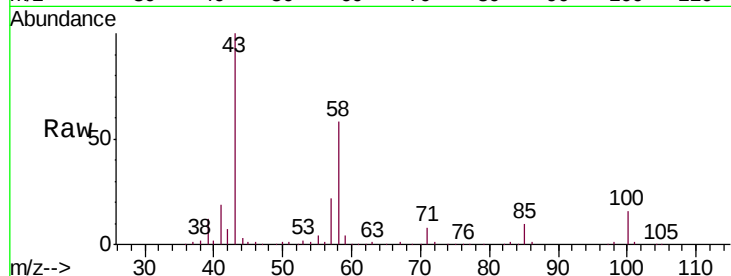
Ion Ratio Lower Upper

43 100

58 59.0 49.4 74.0

57 20.6 17.0 25.4

100 16.2 13.1 19.7

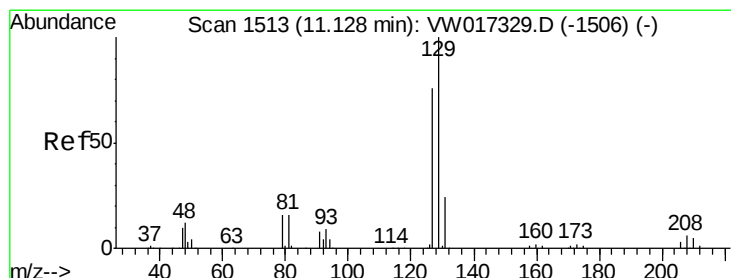
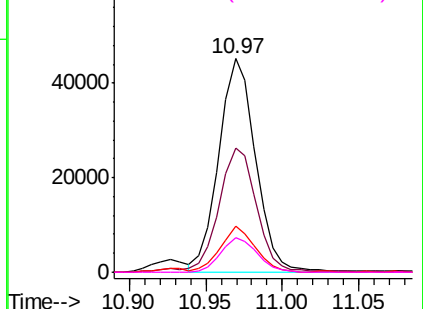


Abundance Ion 43.00 (42.70 to 43.70): VW

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: 25.007 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VW017355.D

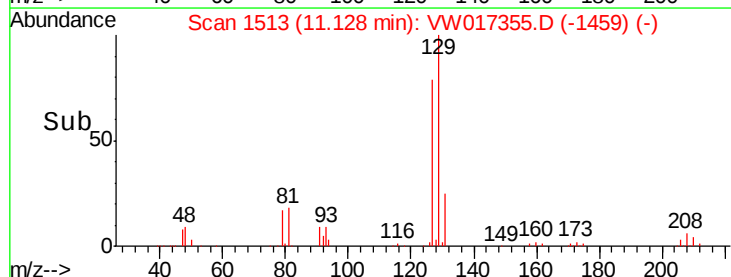
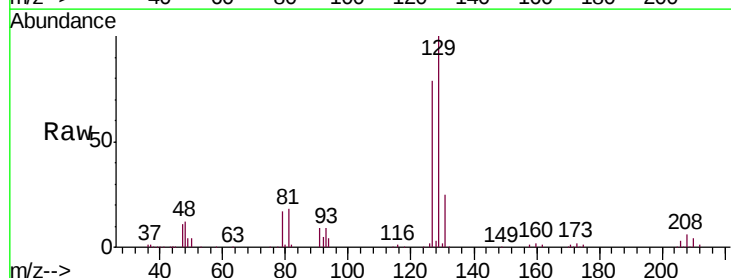
Acq: 19 Nov 2020 02:07

Tgt Ion: 129 Resp: 115116

Ion Ratio Lower Upper

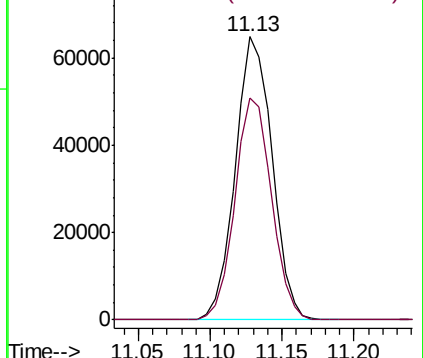
129 100

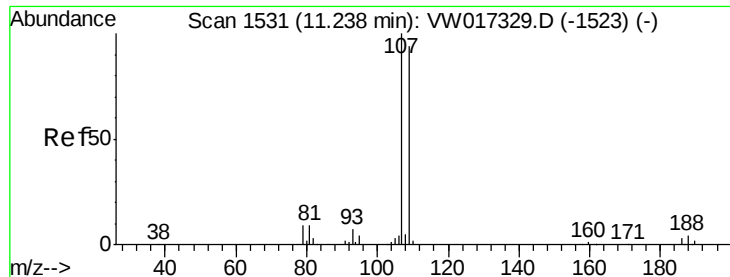
127 78.6 51.8 96.2



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

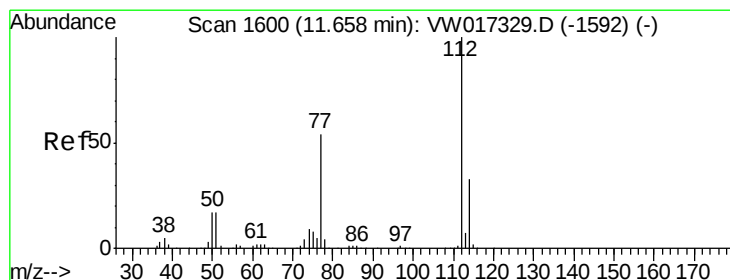
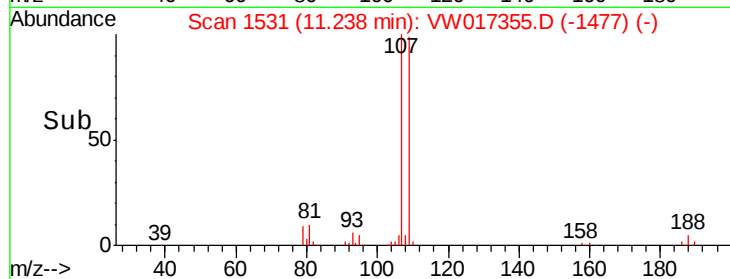
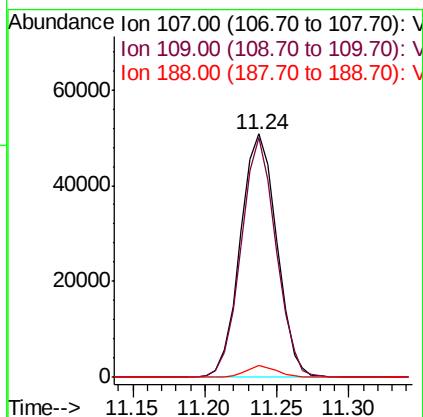
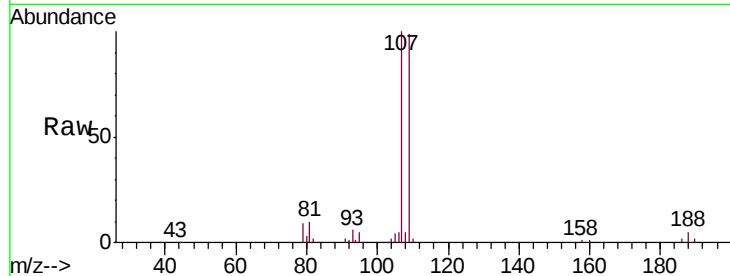




#51
1,2-Dibromoethane
Concen: 25.219 ug/L
RT: 11.24 min Scan# 1531
Delta R.T. -0.00 min
Lab File: VW017355.D
Acq: 19 Nov 2020 02:07

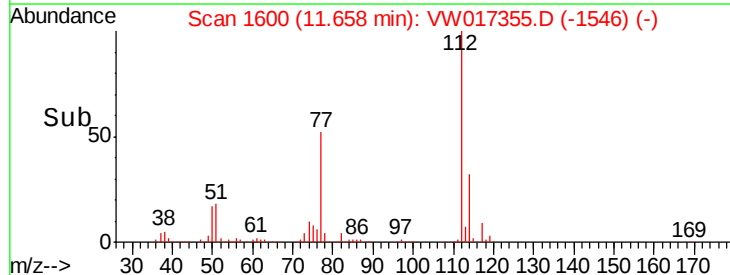
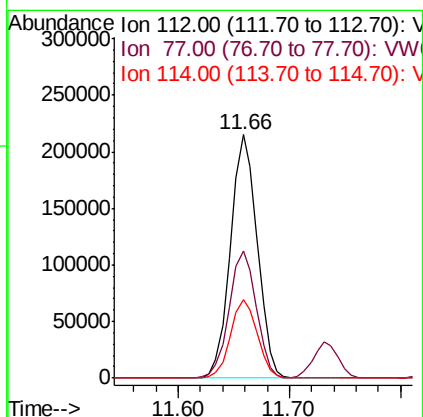
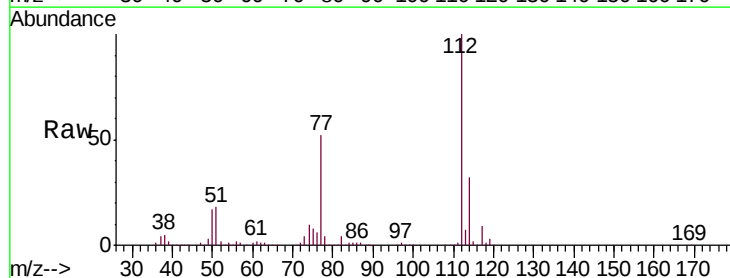
Instrument :
MSVOA_W
ClientSampleId :
VSTD02513

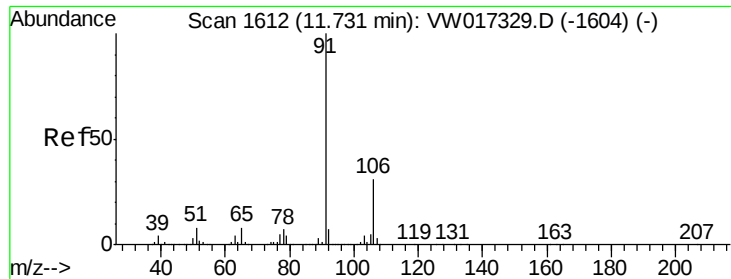
Tgt Ion:107 Resp: 89067
Ion Ratio Lower Upper
107 100
109 98.5 68.2 126.6
188 4.9 3.3 4.9



#52
Chlorobenzene
Concen: 23.924 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW017355.D
Acq: 19 Nov 2020 02:07

Tgt Ion:112 Resp: 357041
Ion Ratio Lower Upper
112 100
77 52.1 42.2 63.4
114 32.1 22.1 41.1

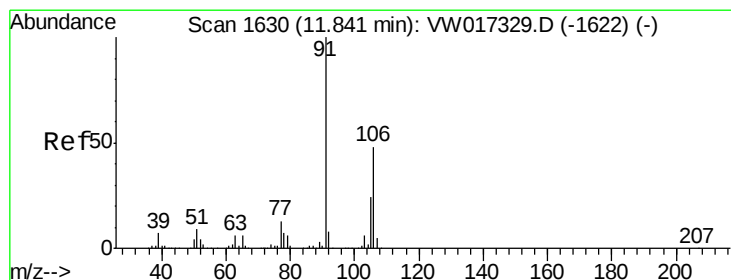
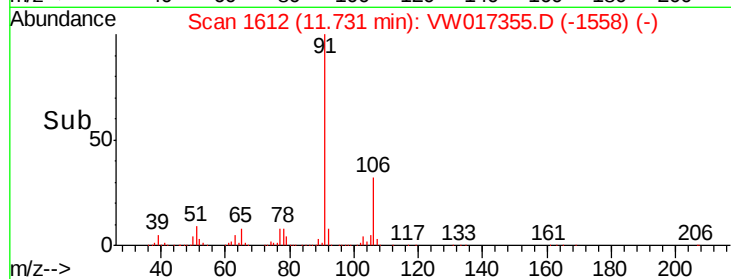
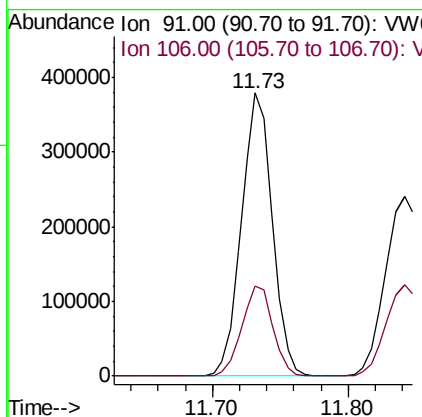
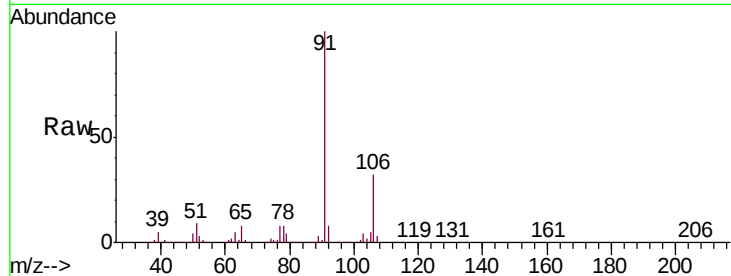




#53
Ethylbenzene
Concen: 23.870 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW017355.D
Acq: 19 Nov 2020 02:07

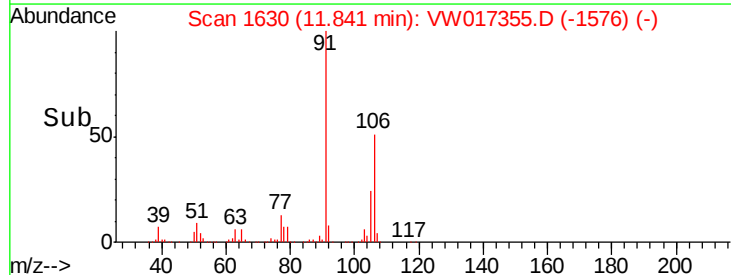
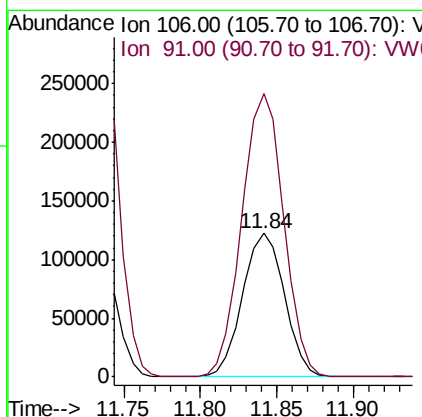
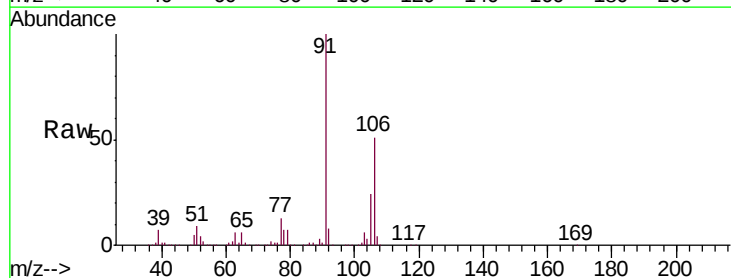
Instrument :
MSVOA_W
ClientSampleId :
VSTD02513

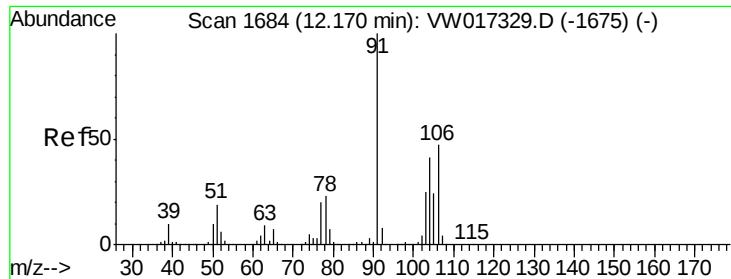
Tgt Ion: 91 Resp: 599907
Ion Ratio Lower Upper
91 100
106 31.8 20.8 38.6



#54
m,p-Xylene
Concen: 24.112 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW017355.D
Acq: 19 Nov 2020 02:07

Tgt Ion: 106 Resp: 233510
Ion Ratio Lower Upper
106 100
91 197.1 126.9 235.7





#55

o-xylene

Concen: 24.253 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. -0.01 min

Lab File: VW017355.D

Acq: 19 Nov 2020 02:07

Instrument :

MSVOA_W

ClientSampleId :

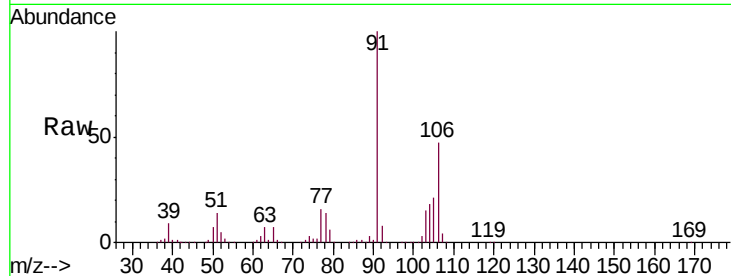
VSTD02513

Tgt Ion:106 Resp: 222889

Ion Ratio Lower Upper

106 100

91 214.6 139.5 259.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW

300000

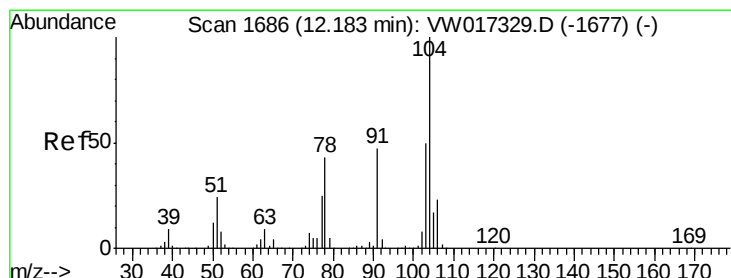
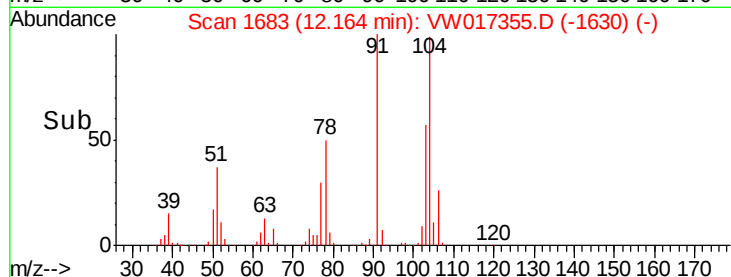
200000

100000

0

12.10 12.20

Time-->



#56

Styrene

Concen: 25.084 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VW017355.D

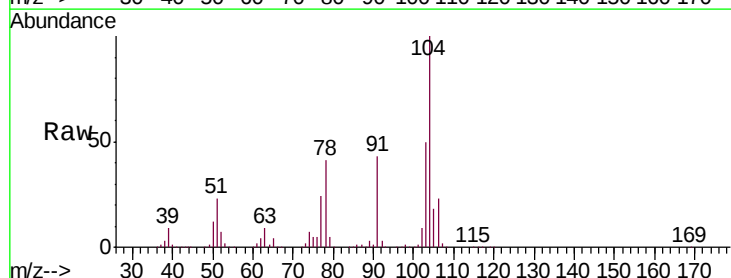
Acq: 19 Nov 2020 02:07

Tgt Ion:104 Resp: 382161

Ion Ratio Lower Upper

104 100

78 41.0 29.3 54.5



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW

250000

200000

150000

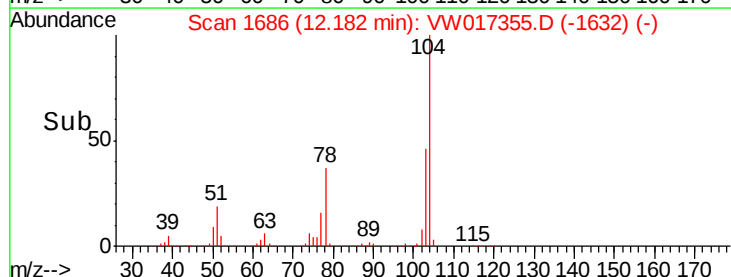
100000

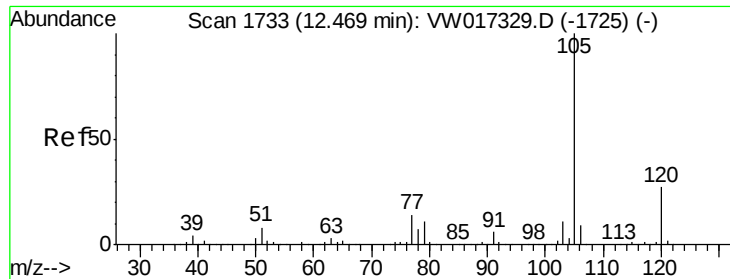
50000

0

12.10 12.20 12.30

Time-->





#57

Isopropylbenzene

Concen: 23.985 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.01 min

Lab File: VW017355.D

Acq: 19 Nov 2020 02:07

Instrument :

MSVOA_W

ClientSampleId :

VSTD02513

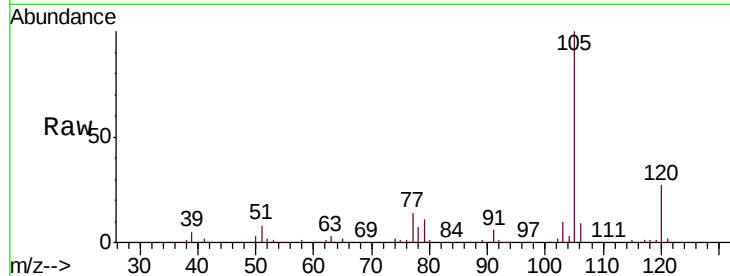
Tgt Ion: 105 Resp: 603642

Ion Ratio Lower Upper

105 100

120 27.3 21.6 32.4

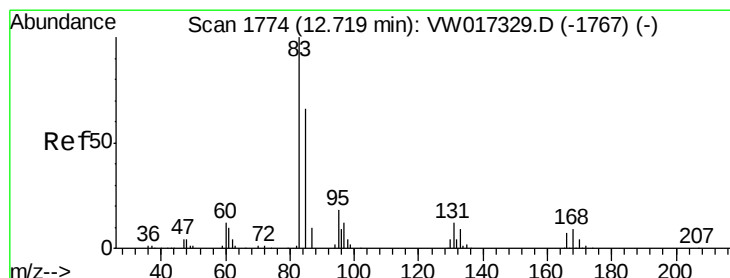
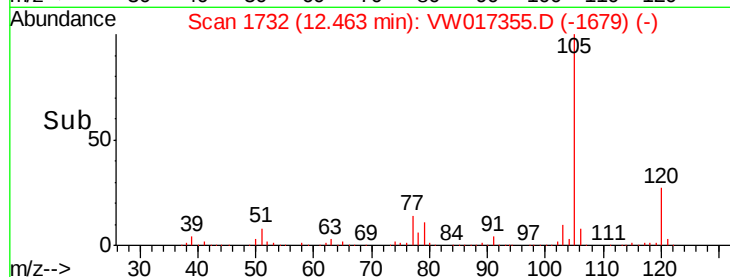
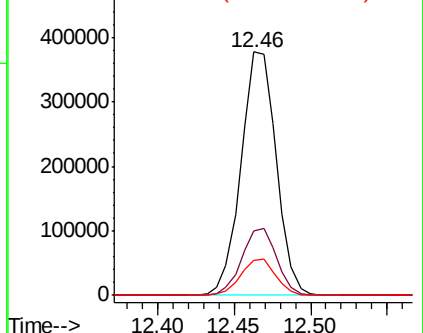
77 14.8 11.8 17.6



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: 25.881 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.01 min

Lab File: VW017355.D

Acq: 19 Nov 2020 02:07

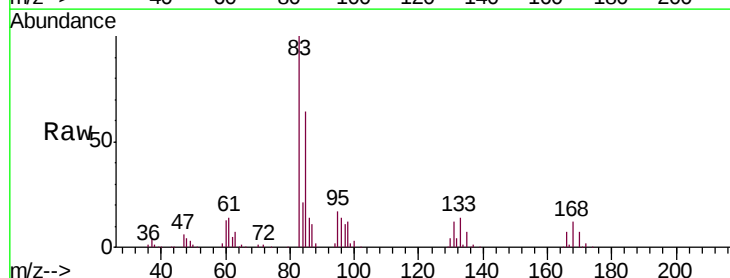
Tgt Ion: 83 Resp: 100927

Ion Ratio Lower Upper

83 100

85 64.4 44.2 82.0

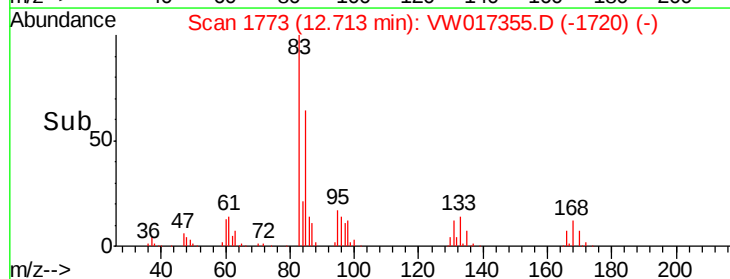
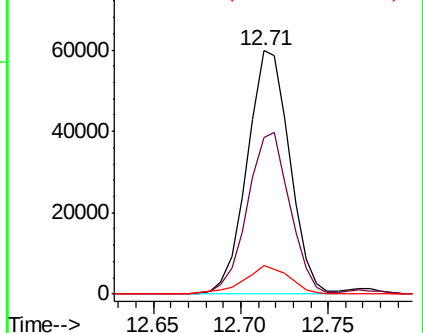
131 11.6 8.7 13.1

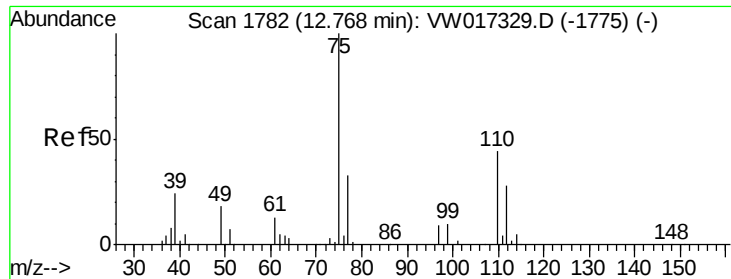


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 25.693 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW017355.D

Acq: 19 Nov 2020 02:07

Instrument :

MSVOA_W

ClientSampleId :

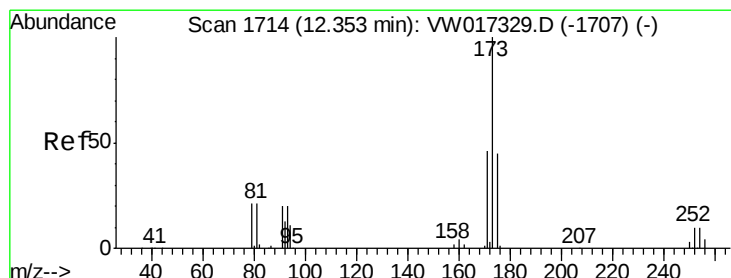
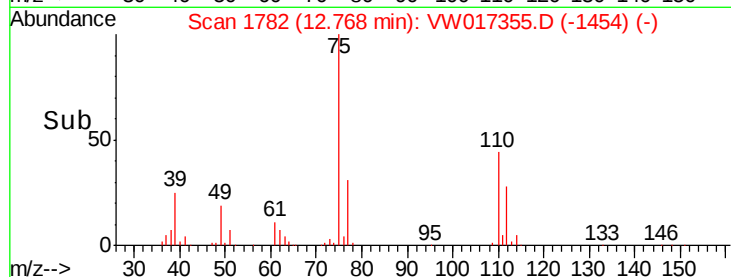
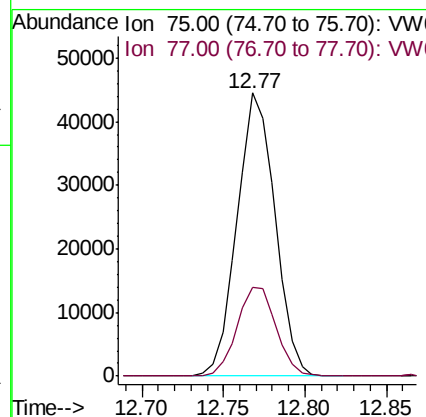
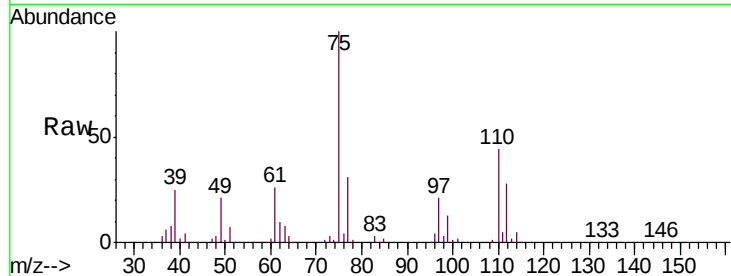
VSTD02513

Tgt Ion: 75 Resp: 72356

Ion Ratio Lower Upper

75 100

77 32.3 26.6 40.0



#62

Bromoform

Concen: 25.695 ug/L

RT: 12.35 min Scan# 1714

Delta R.T. -0.00 min

Lab File: VW017355.D

Acq: 19 Nov 2020 02:07

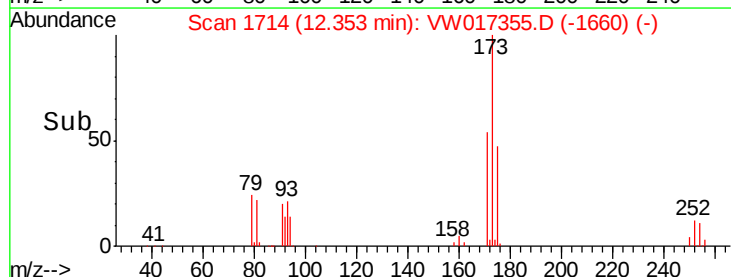
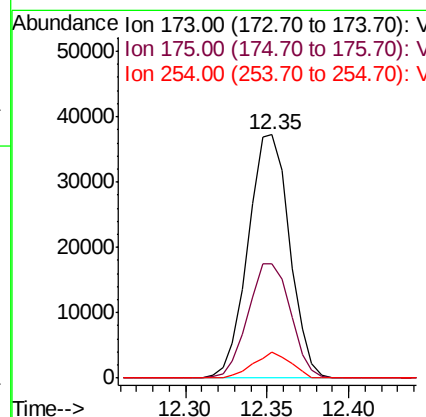
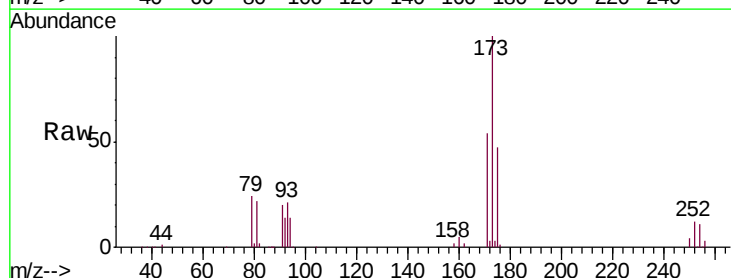
Tgt Ion: 173 Resp: 66106

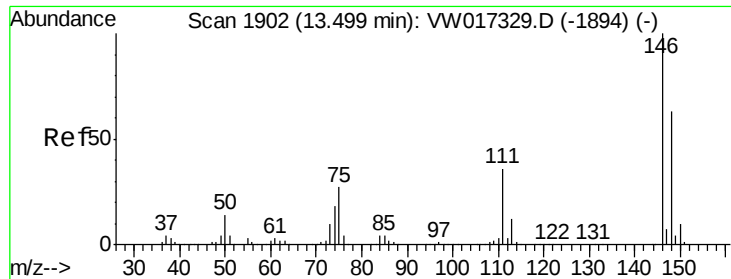
Ion Ratio Lower Upper

173 100

175 48.4 40.0 60.0

254 9.6 8.0 12.0

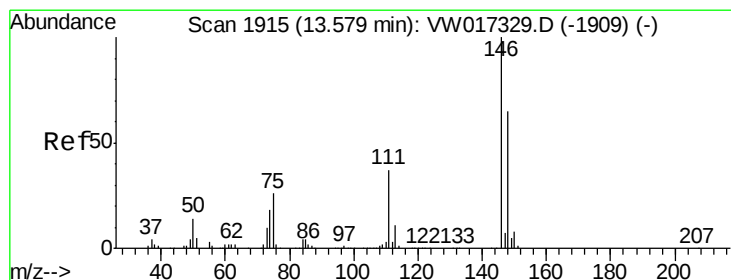
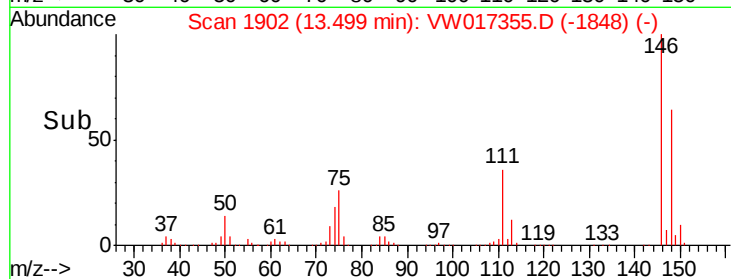
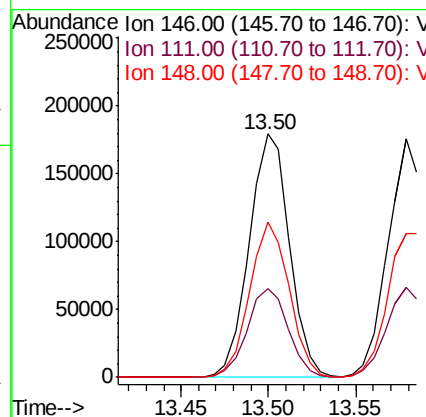
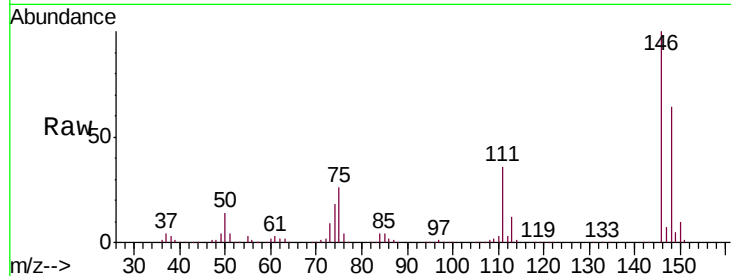




#63
 1,3-Dichlorobenzene
 Concen: 24.238 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW017355.D
 Acq: 19 Nov 2020 02:07

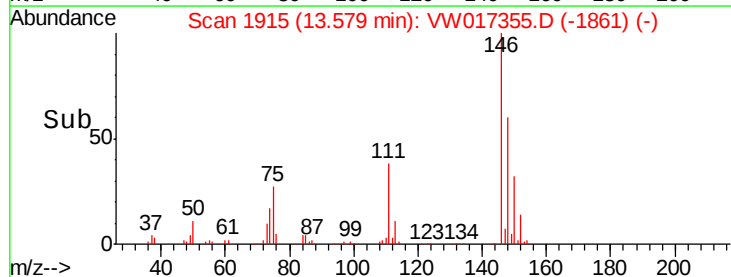
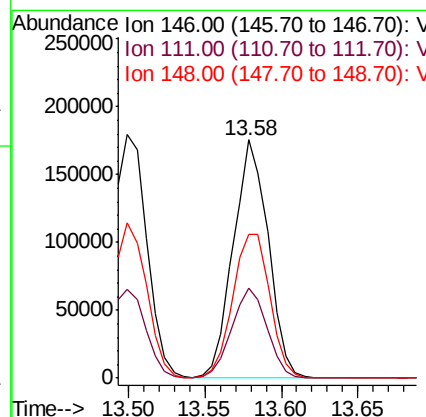
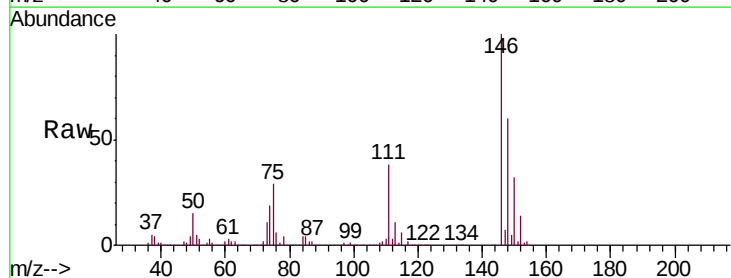
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02513

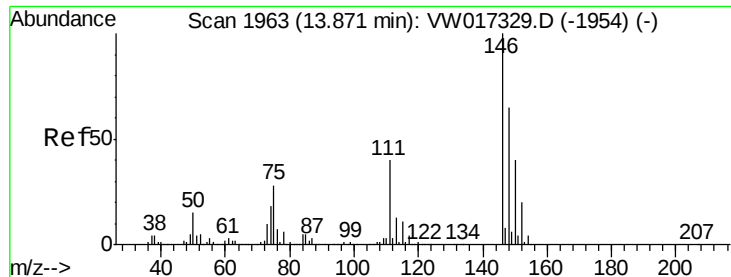
Tgt Ion:146 Resp: 288814
 Ion Ratio Lower Upper
 146 100
 111 36.4 24.5 45.5
 148 63.8 40.4 75.0



#64
 1,4-Dichlorobenzene
 Concen: 23.701 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW017355.D
 Acq: 19 Nov 2020 02:07

Tgt Ion:146 Resp: 278648
 Ion Ratio Lower Upper
 146 100
 111 37.8 26.2 48.8
 148 60.1 45.2 84.0

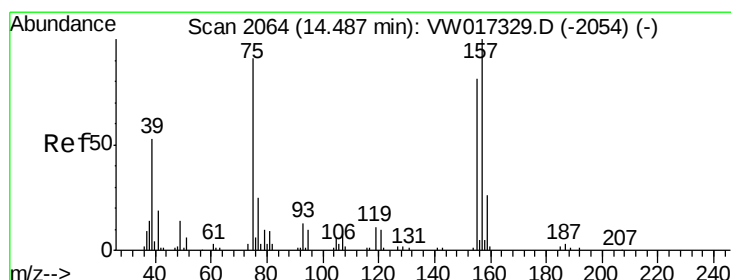
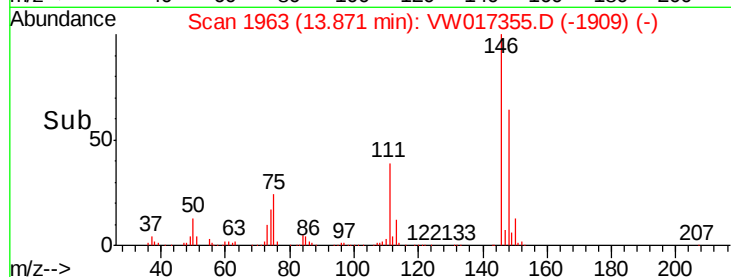
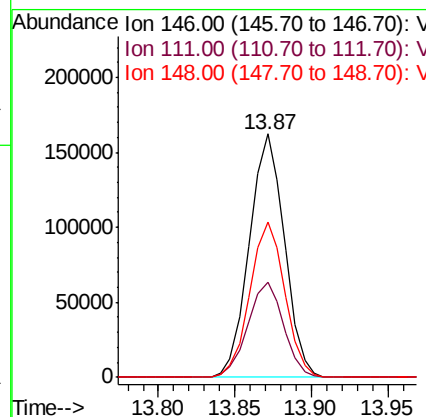
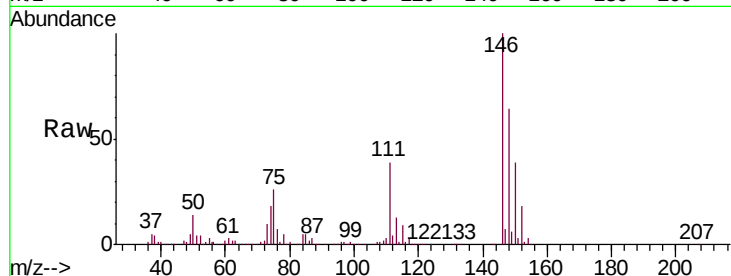




#65
1,2-Dichlorobenzene
Concen: 25.028 ug/L
RT: 13.87 min Scan# 1963
Delta R.T. -0.00 min
Lab File: VW017355.D
Acq: 19 Nov 2020 02:07

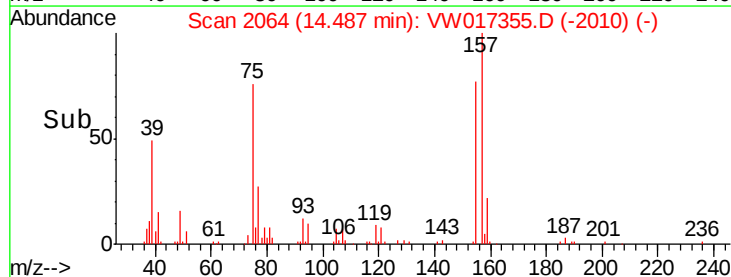
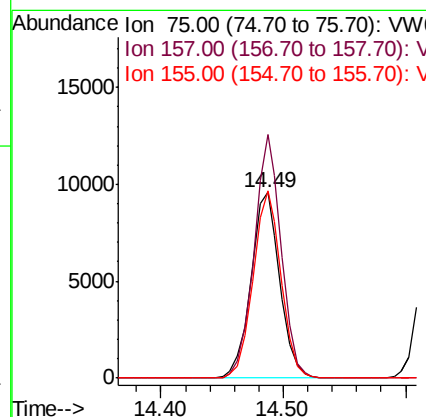
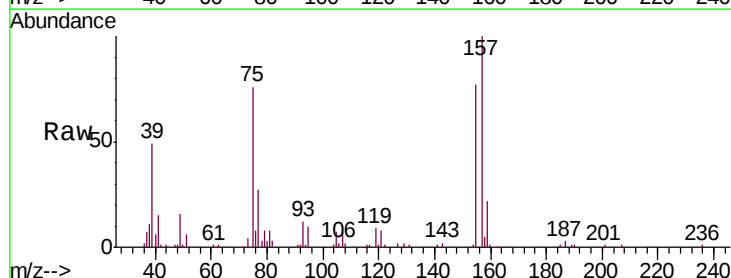
Instrument :
MSVOA_W
ClientSampleId :
VSTD02513

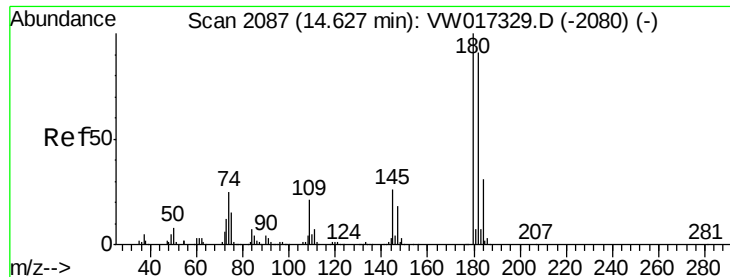
Tgt Ion:146 Resp: 259211
Ion Ratio Lower Upper
146 100
111 38.9 30.8 46.2
148 63.6 49.0 73.4



#66
1,2-Dibromo-3-chloropropane
Concen: 26.994 ug/L
RT: 14.49 min Scan# 2064
Delta R.T. -0.00 min
Lab File: VW017355.D
Acq: 19 Nov 2020 02:07

Tgt Ion: 75 Resp: 15582
Ion Ratio Lower Upper
75 100
157 131.0 106.7 160.1
155 101.0 70.6 106.0

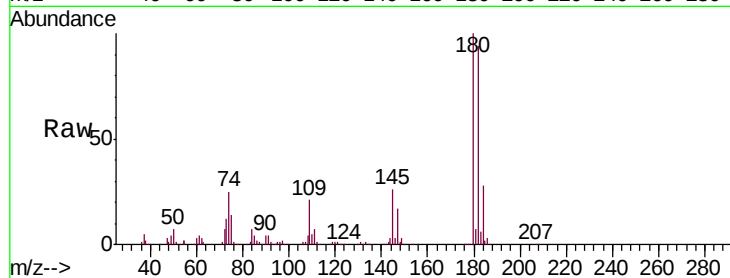




#67
 1,3,5-Trichlorobenzene
 Concen: 23.342 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. -0.00 min
 Lab File: VW017355.D
 Acq: 19 Nov 2020 02:07

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02513

Tgt Ion:	180	Resp:	202357
Ion	Ratio	Lower	Upper
180	100		
182	97.6	76.8	115.2
184	30.3	23.9	35.9
145	28.4	22.6	33.8



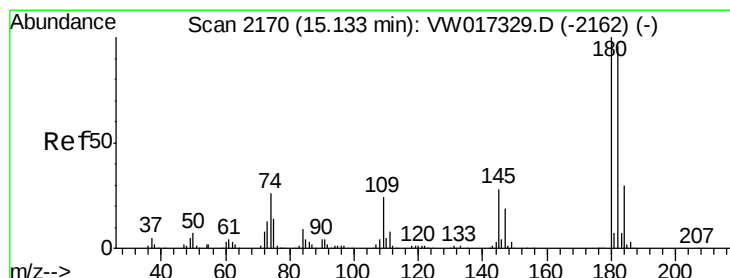
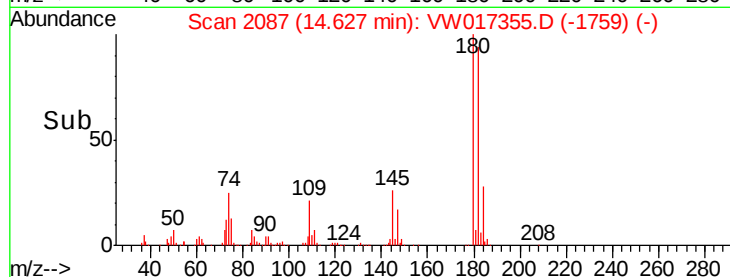
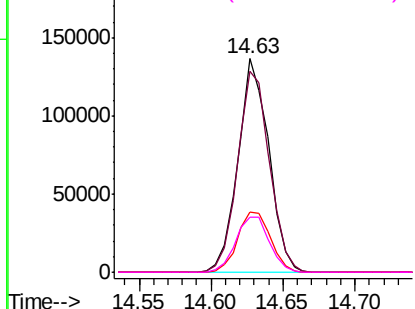
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

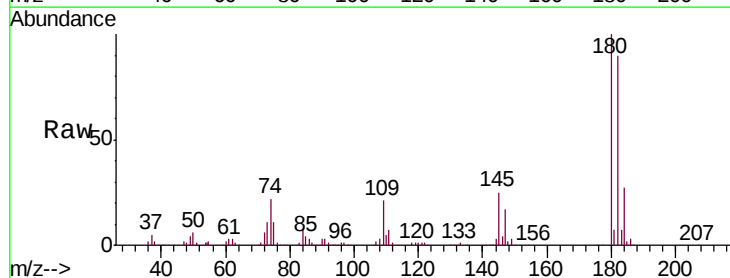
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 23.919 ug/L
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.01 min
 Lab File: VW017355.D
 Acq: 19 Nov 2020 02:07

Tgt Ion:	180	Resp:	159134
Ion	Ratio	Lower	Upper
180	100		
182	98.3	77.0	115.6
145	29.1	22.9	34.3

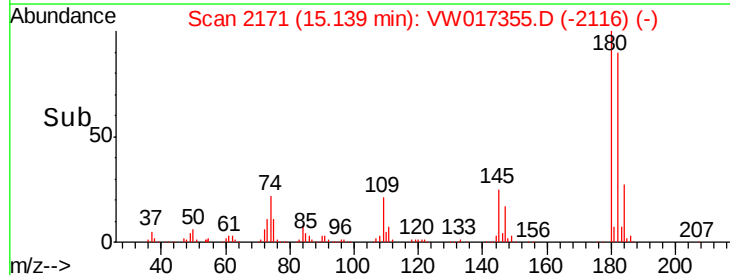
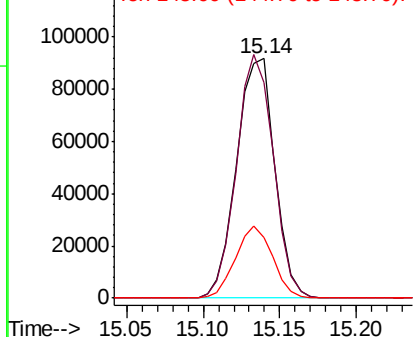


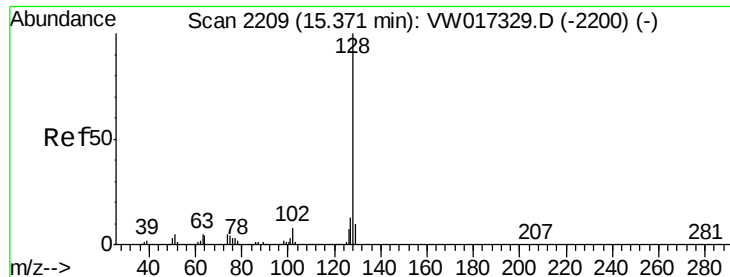
Abundance

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: 27.311 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. -0.01 min

Lab File: VW017355.D

Acq: 19 Nov 2020 02:07

Instrument :

MSVOA_W

ClientSampleId :

VSTD02513

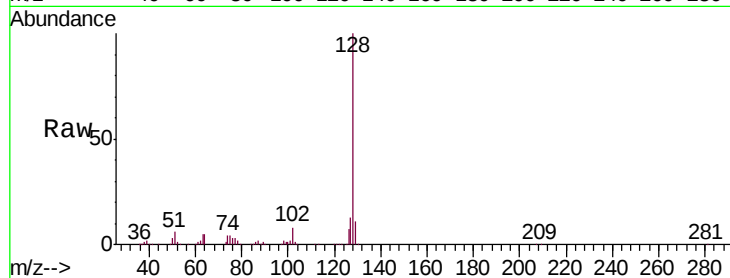
Tgt Ion:128 Resp: 260873

Ion Ratio Lower Upper

128 100

129 10.9 8.6 13.0

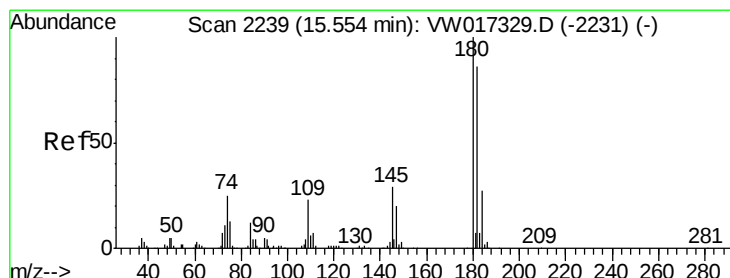
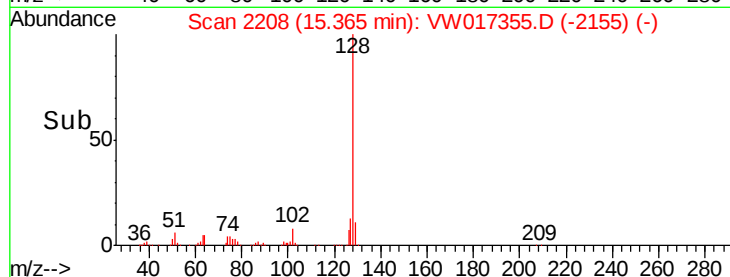
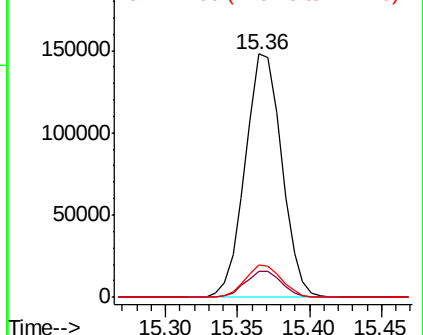
127 13.2 10.4 15.6



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: 24.990 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. -0.00 min

Lab File: VW017355.D

Acq: 19 Nov 2020 02:07

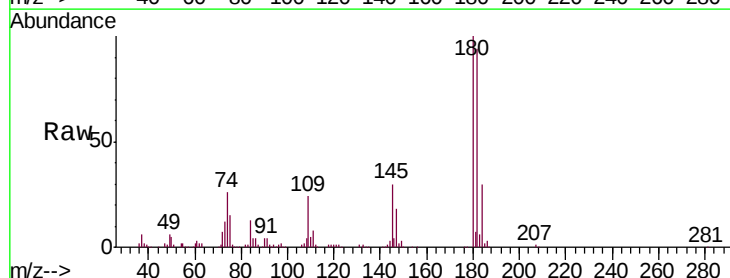
Tgt Ion:180 Resp: 146266

Ion Ratio Lower Upper

180 100

182 95.1 78.6 118.0

145 29.9 25.4 38.0



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

