

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092920\
 Data File : VW016699.D
 Acq On : 29 Sep 2020 20:14
 Operator : SY/VA
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02512

Quant Time: Sep 30 07:18:13 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM091520S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Sep 30 07:14:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	586435	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	529102	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	262033	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.37	65	94634	16.67	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	66.68%
7) Chloroethane-d5	2.90	69	90678	19.56	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	78.24%
10) 1,1-Dichloroethene-d2	4.04	63	241733	19.05	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	76.20%
20) 2-Butanone-d5	7.09	46	65265	42.17	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	84.34%
24) Chloroform-d	7.66	84	287955	23.47	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	93.88%
26) 1,2-Dichloroethane-d4	8.31	65	138302	21.96	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	87.84%
29) Benzene-d6	8.28	84	485455	20.46	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	81.84%
33) 1,2-Dichloropropane-d6	9.28	67	144342	22.45	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	89.80%
37) Toluene-d8	10.33	98	439703	18.84	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	75.36%
38) trans-1,3-Dichloropropene-	10.58	79	63443	19.57	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	78.28%
39) 2-Hexanone-d5	10.93	63	51490	44.02	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	88.04%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	126319	23.09	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	92.36%
61) 1,2-Dichlorobenzene-d4	13.85	152	192976	23.05	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	92.20%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.03	85	170888	23.589	ug/L 99
3) Chloromethane	2.23	50	142255	26.836	ug/L 97
5) Vinyl chloride	2.38	62	205807	26.310	ug/L 97
6) Bromomethane	2.80	94	147155	24.792	ug/L 99
8) Chloroethane	2.94	64	123545	26.698	ug/L 99
9) Trichlorofluoromethane	3.28	101	178656	22.653	ug/L 99
11) 1,1,2-Trichloro-1,2,2-trif	4.09	101	198322	26.248	ug/L 96
12) 1,1-Dichloroethene	4.06	96	194387	26.169	ug/L 87
13) Acetone	4.13	43	50061	41.295	ug/L 99
14) Carbon disulfide	4.40	76	535894	23.913	ug/L 99
15) Methyl Acetate	4.68	43	60195	21.806	ug/L 99
16) Methylene chloride	4.93	84	199673	22.076	ug/L 98
17) Methyl tert-butyl Ether	5.43	73	238766	23.468	ug/L 98
18) trans-1,2-Dichloroethene	5.44	96	204679	26.608	ug/L 97
19) 1,1-Dichloroethane	6.23	63	323411	26.586	ug/L 98
21) 2-Butanone	7.18	43	78343	37.986	ug/L 95
22) cis-1,2-Dichloroethene	7.18	96	217012	27.189	ug/L 97

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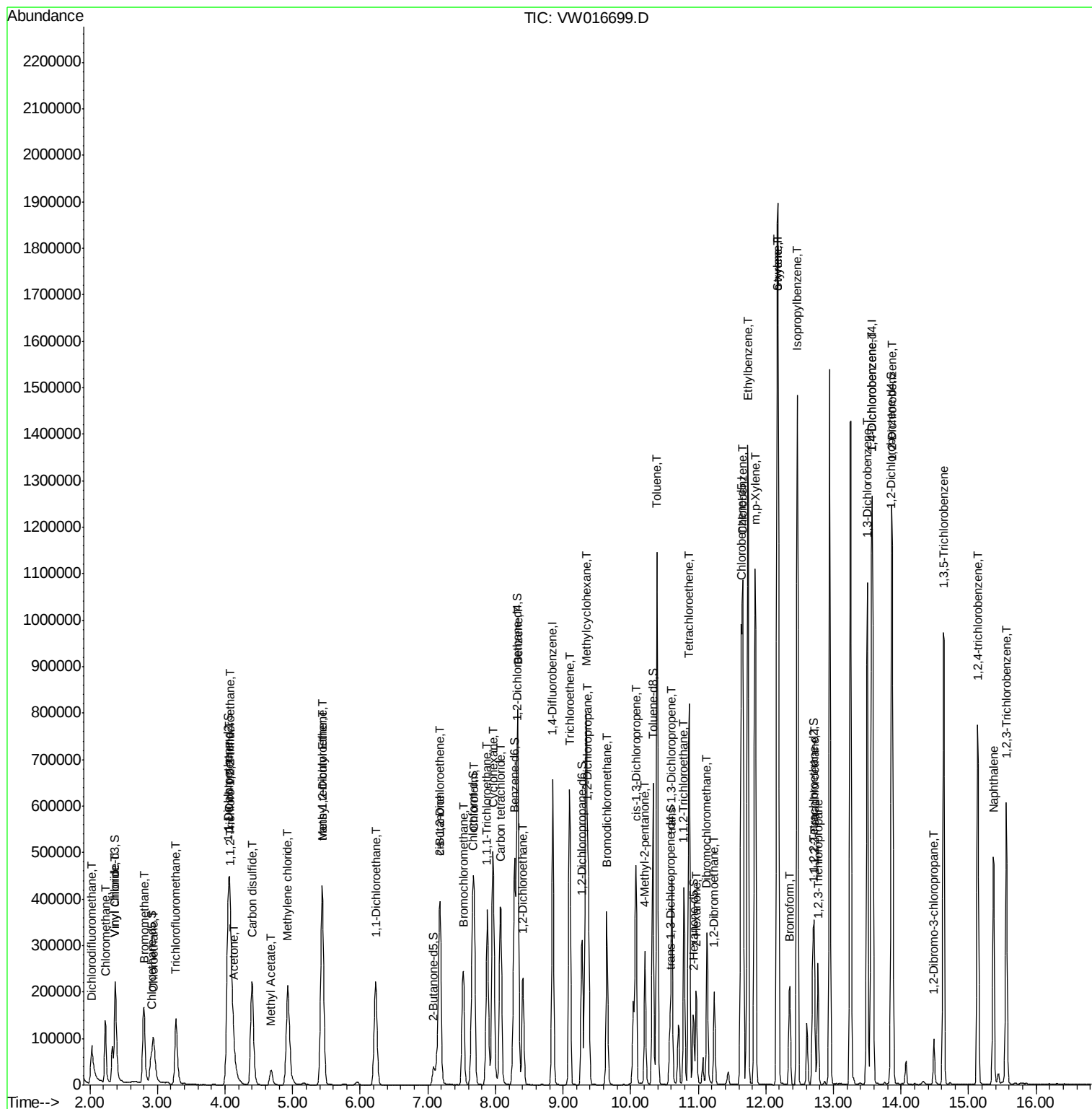
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.52	128	99592	25.667	ug/L	96
25) Chloroform	7.68	83	361403	27.249	ug/L	99
27) 1,2-Dichloroethane	8.41	62	213344	25.070	ug/L	98
30) Cyclohexane	7.96	56	282745	24.454	ug/L	98
31) 1,1,1-Trichloroethane	7.88	97	311873	25.238	ug/L	99
32) Carbon tetrachloride	8.07	117	304601	25.372	ug/L	100
34) Benzene	8.33	78	761351	26.847	ug/L	100
35) Trichloroethene	9.10	95	218168	26.590	ug/L	100
36) Methylcyclohexane	9.34	83	354022	25.438	ug/L	99
40) 1,2-Dichloropropane	9.37	63	173368	26.285	ug/L	100
41) Bromodichloromethane	9.65	83	252600	25.843	ug/L	96
42) cis-1,3-Dichloropropene	10.08	75	282836	25.105	ug/L	100
43) 4-Methyl-2-pentanone	10.21	43	174485	41.637	ug/L	97
44) Toluene	10.39	91	852441	26.732	ug/L	94
45) trans-1,3-Dichloropropene	10.61	75	240255	24.510	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	139445	25.095	ug/L	99
47) Tetrachloroethene	10.87	164	193401	26.104	ug/L	92
49) 2-Hexanone	10.97	43	117154	44.050	ug/L	96
50) Dibromochloromethane	11.13	129	180229	24.843	ug/L	98
51) 1,2-Dibromoethane	11.24	107	134640	24.201	ug/L	92
52) Chlorobenzene	11.66	112	570758	26.646	ug/L	98
53) Ethylbenzene	11.73	91	978462	27.026	ug/L	95
54) m,p-Xylene	11.84	106	376237	26.539	ug/L	97
55) o-xylene	12.17	106	362466	26.688	ug/L	98
56) Styrene	12.18	104	601753	26.682	ug/L	98
57) Isopropylbenzene	12.46	105	993158	26.761	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	147143	23.680	ug/L	97
59) 1,2,3-Trichloropropane	12.77	75	106128	22.931	ug/L	100
62) Bromoform	12.35	173	102186	23.121	ug/L	100
63) 1,3-Dichlorobenzene	13.50	146	469963	27.574	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	449230	26.914	ug/L	100
65) 1,2-Dichlorobenzene	13.87	146	405806	26.647	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.49	75	23375	21.413	ug/L	90
67) 1,3,5-Trichlorobenzene	14.63	180	335731	26.934	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	259765	25.762	ug/L	95
69) Naphthalene	15.36	128	446308	24.968	ug/L	97
70) 1,2,3-Trichlorobenzene	15.56	180	224491	25.886	ug/L	98

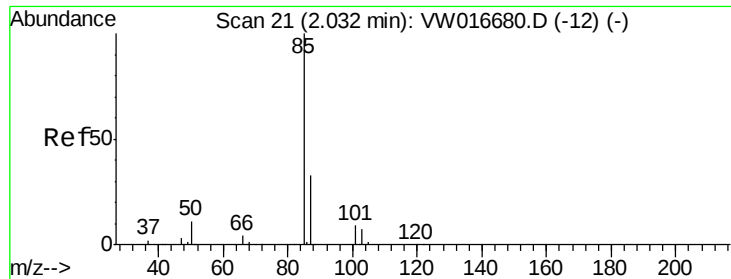
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 23.589 ug/L

RT: 2.03 min Scan# 20

Delta R.T. -0.01 min

Lab File: VW016699.D

Acq: 29 Sep 2020 20:14

Instrument :

MSVOA_W

ClientSampled :

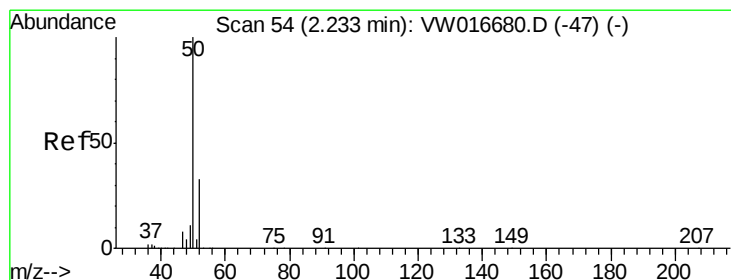
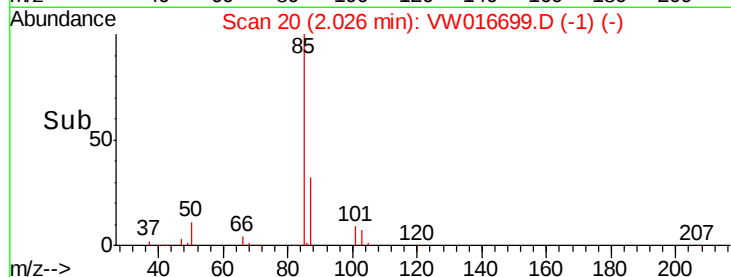
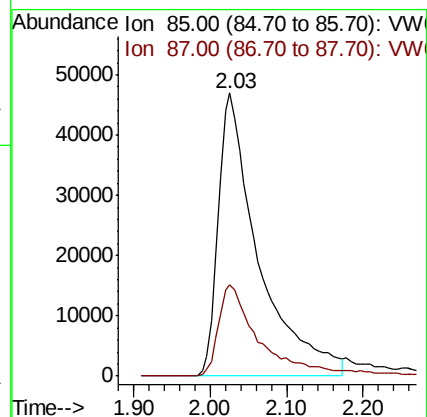
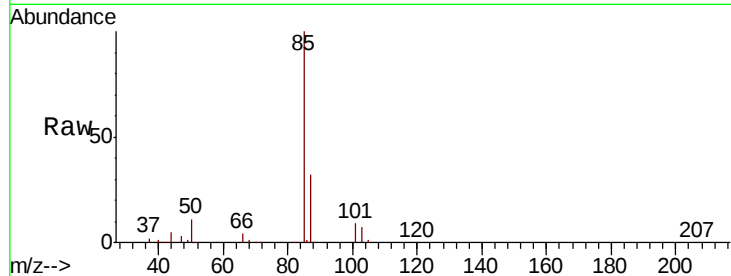
VSTD02512

Tot Ion: 85 Resp: 170888

Ion Ratio Lower Upper

85 100

87 32.1 22.2 41.2



#3

Chloromethane

Concen: 26.836 ug/L

RT: 2.23 min Scan# 53

Delta R.T. -0.01 min

Lab File: VW016699.D

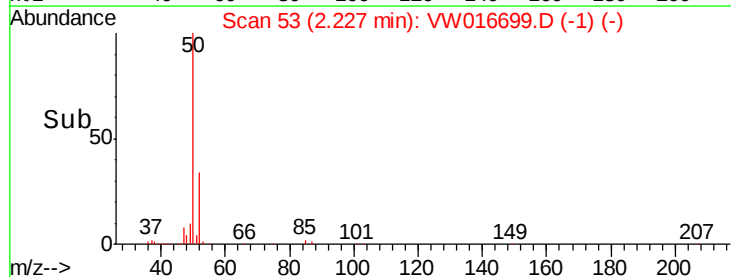
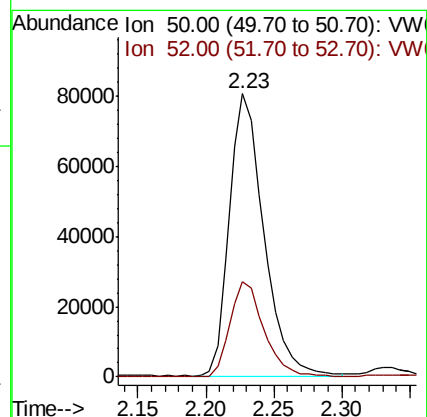
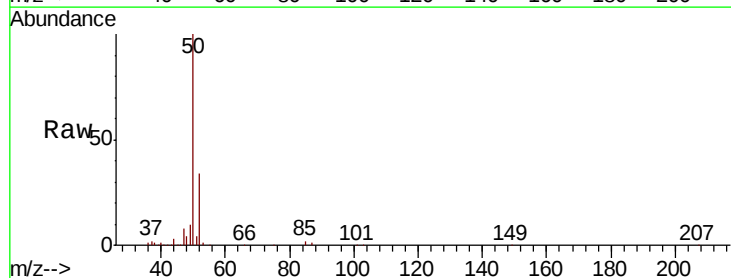
Acq: 29 Sep 2020 20:14

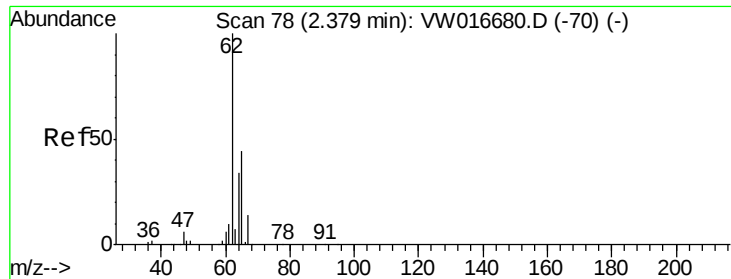
Tgt Ion: 50 Resp: 142255

Ion Ratio Lower Upper

50 100

52 33.5 22.4 41.6





#5

Vinyl chloride

Concen: 26.310 ug/L

RT: 2.38 min Scan# 78

Delta R.T. 0.00 min

Lab File: VW016699.D

Acq: 29 Sep 2020 20:14

Instrument :

MSVOA_W

ClientSampled :

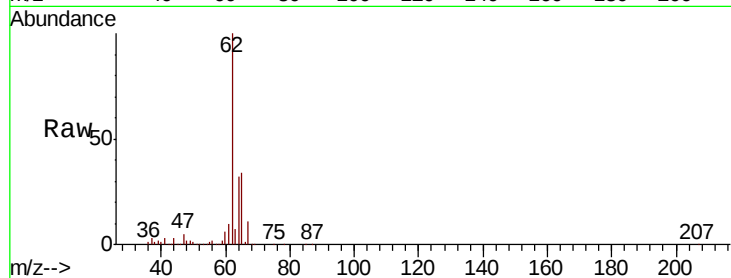
VSTD02512

Tot Ion: 62 Resp: 205807

Ion Ratio Lower Upper

62 100

64 31.9 23.4 43.4



Abundance Ion 62.00 (61.70 to 62.70): VW

Ion 64.00 (63.70 to 64.70): VW

2.38

100000

80000

60000

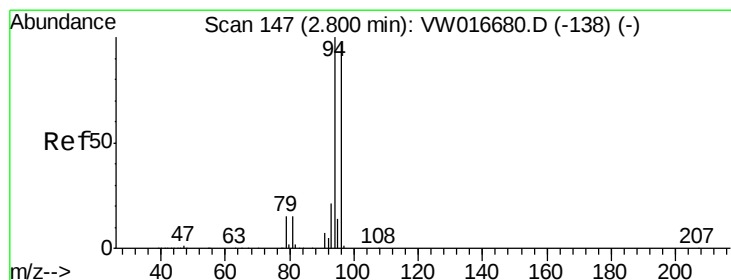
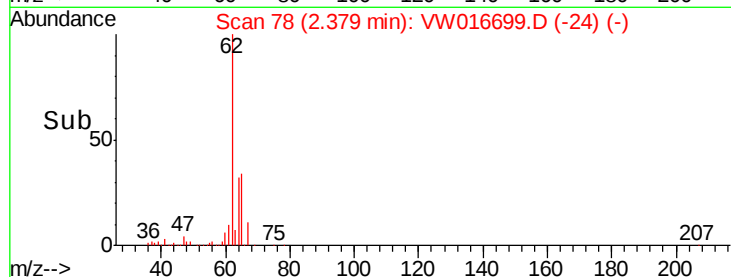
40000

20000

0

Time-->

2.30 2.40 2.50



#6

Bromomethane

Concen: 24.792 ug/L

RT: 2.80 min Scan# 147

Delta R.T. 0.00 min

Lab File: VW016699.D

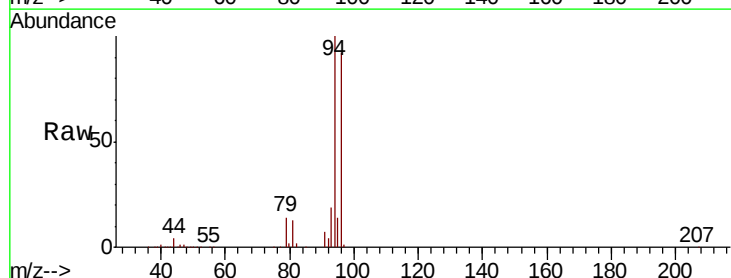
Acq: 29 Sep 2020 20:14

Tgt Ion: 94 Resp: 147155

Ion Ratio Lower Upper

94 100

96 94.3 9.6 181.6



Abundance Ion 94.00 (93.70 to 94.70): VW

Ion 96.00 (95.70 to 96.70): VW

2.80

60000

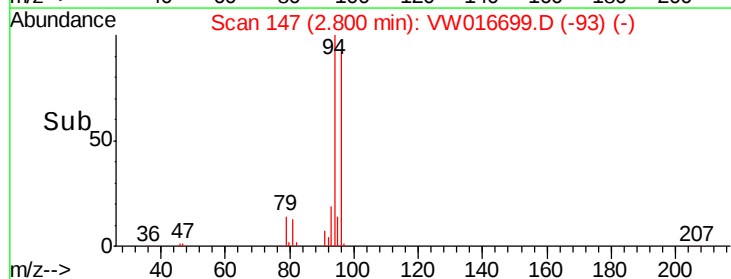
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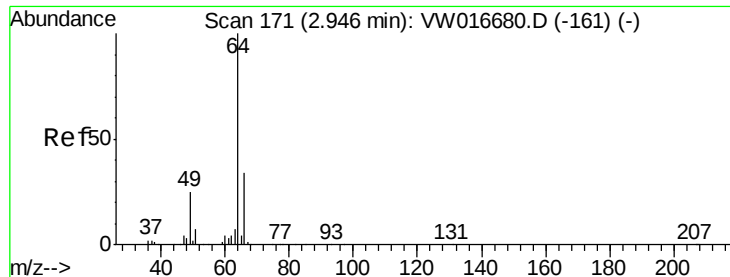
20000

0

Time-->

2.70 2.80 2.90





#8

Chloroethane

Concen: 26.698 ug/L

RT: 2.94 min Scan# 170

Delta R.T. -0.01 min

Lab File: VW016699.D

Acq: 29 Sep 2020 20:14

Instrument :

MSVOA_W

ClientSampleId :

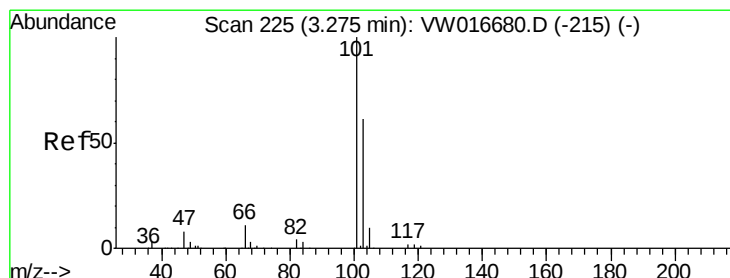
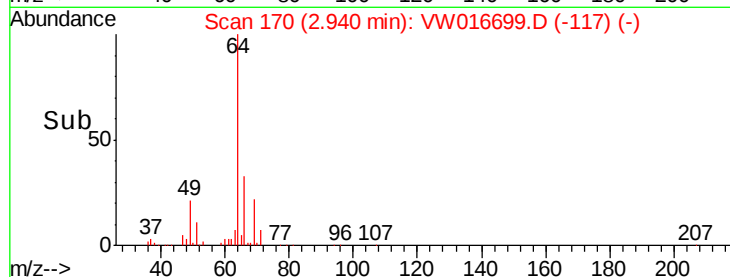
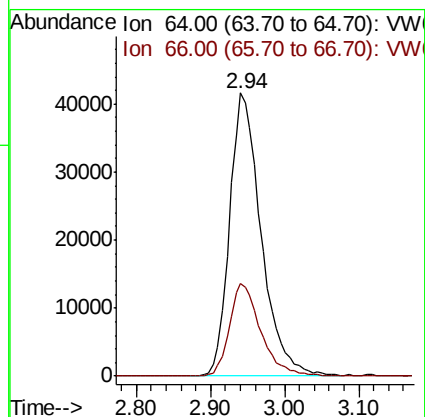
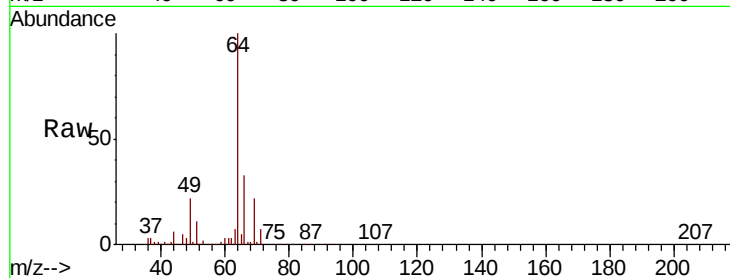
VSTD02512

Tot Ion: 64 Resp: 123545

Ion Ratio Lower Upper

64 100

66 32.6 23.2 43.2



#9

Trichlorofluoromethane

Concen: 22.653 ug/L

RT: 3.28 min Scan# 225

Delta R.T. 0.00 min

Lab File: VW016699.D

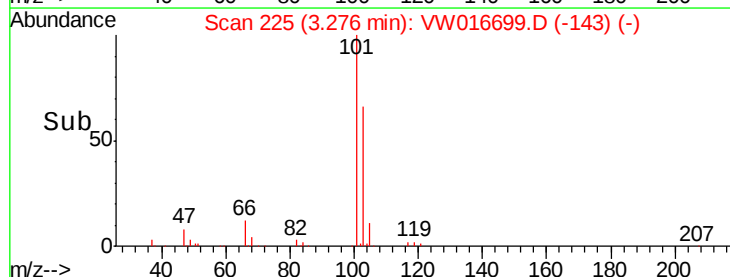
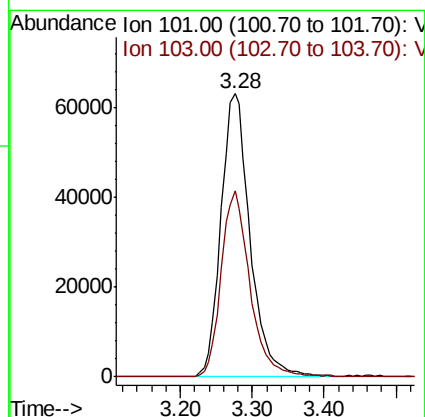
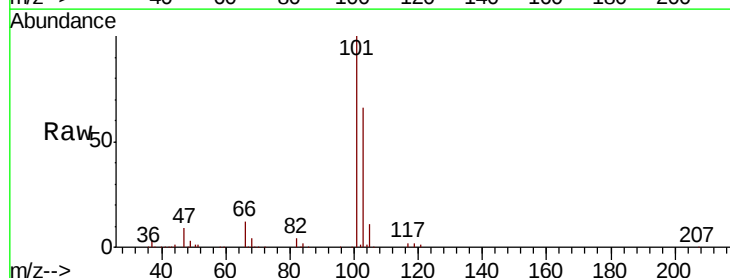
Acq: 29 Sep 2020 20:14

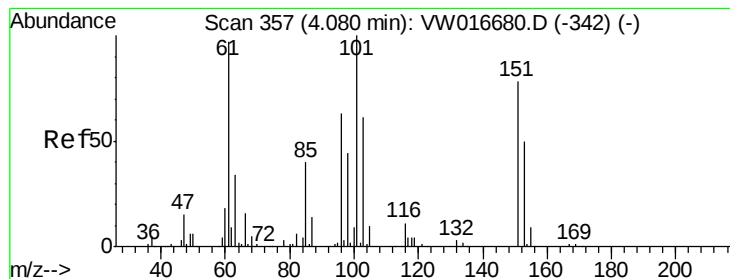
Tgt Ion:101 Resp: 178656

Ion Ratio Lower Upper

101 100

103 63.9 45.2 84.0





#11

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

Concen: 26.248 ug/L

RT: 4.09 min Scan# 358

Delta R.T. 0.01 min

Lab File: VW016699.D

Acq: 29 Sep 2020 20:14

Instrument :

MSVOA_W

ClientSampleId :

VSTD02512

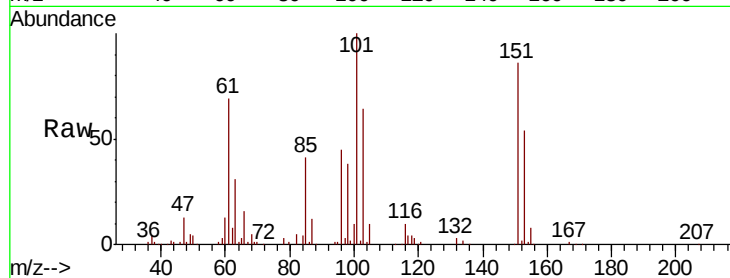
Tot Ion:101 Resp: 198322

Ion Ratio Lower Upper

101 100

85 42.3 32.6 49.0

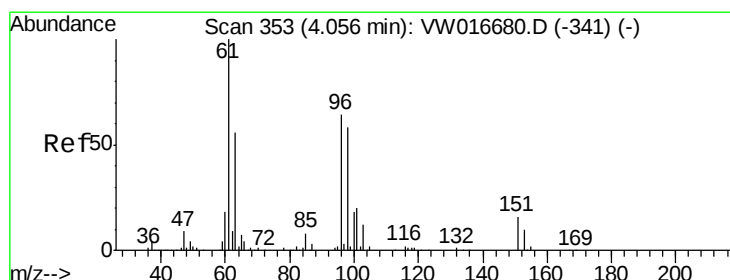
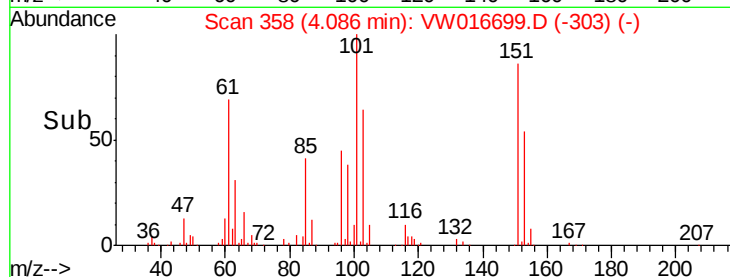
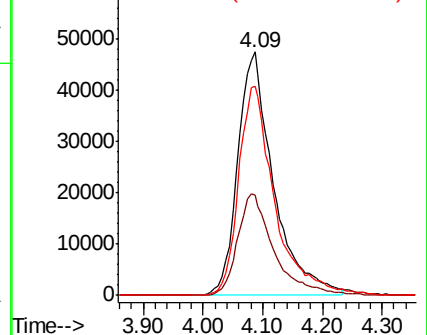
151 86.5 66.0 99.0



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: 26.169 ug/L

RT: 4.06 min Scan# 353

Delta R.T. 0.00 min

Lab File: VW016699.D

Acq: 29 Sep 2020 20:14

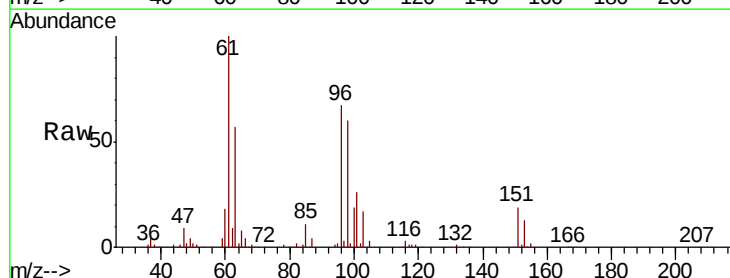
Tgt Ion: 96 Resp: 194387

Ion Ratio Lower Upper

96 100

61 148.3 111.4 206.8

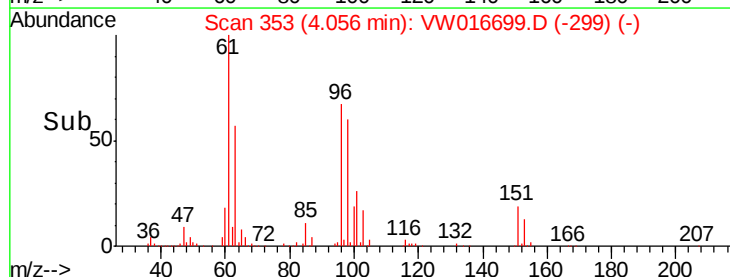
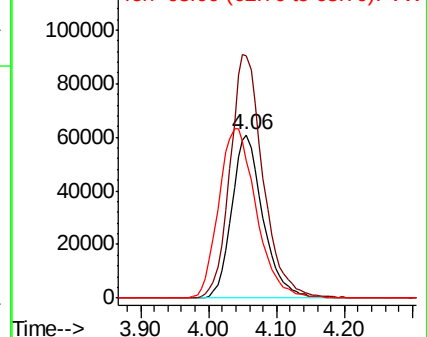
63 84.5 73.0 135.6

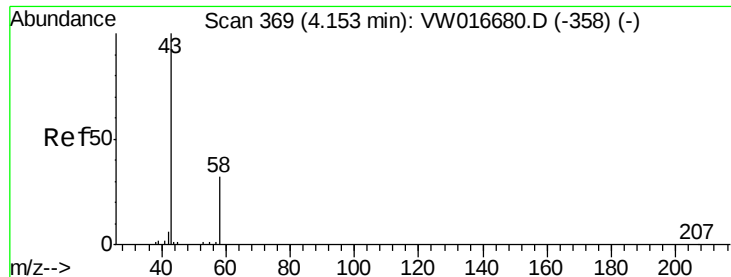


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 41.295 ug/L

RT: 4.13 min Scan# 365

Delta R.T. -0.02 min

Lab File: VW016699.D

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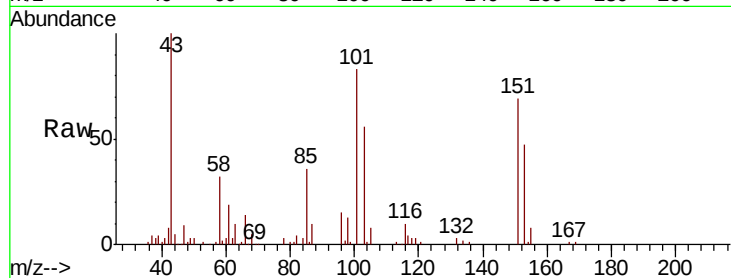
VSTD02512

Tot Ion: 43 Resp: 50061

Ion Ratio Lower Upper

43 100

58 30.6 0.0 60.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.13

20000

15000

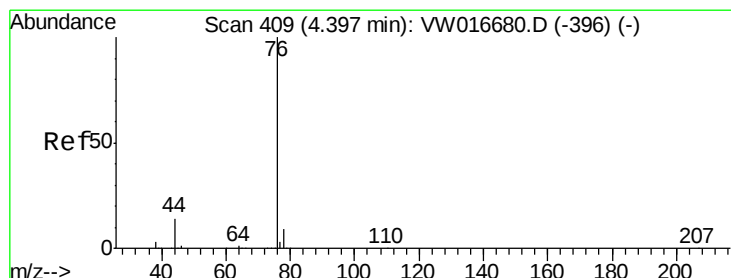
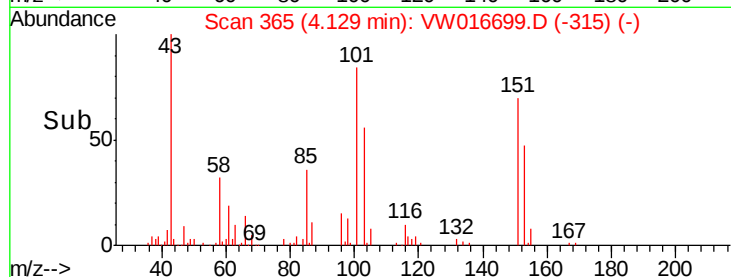
10000

5000

0

Time-->

4.00 4.10 4.20



#14

Carbon disulfide

Concen: 23.913 ug/L

RT: 4.40 min Scan# 409

Delta R.T. 0.00 min

Lab File: VW016699.D

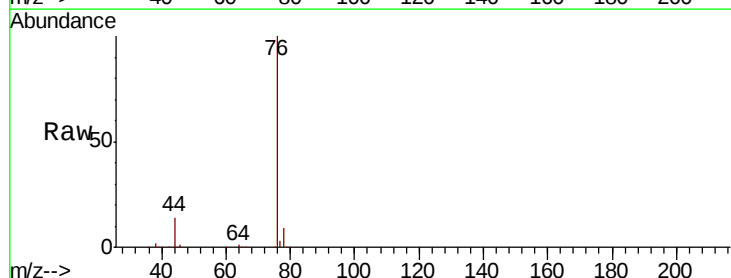
Acq: 29 Sep 2020 20:14

Tgt Ion: 76 Resp: 535894

Ion Ratio Lower Upper

76 100

78 9.3 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

4.40

200000

150000

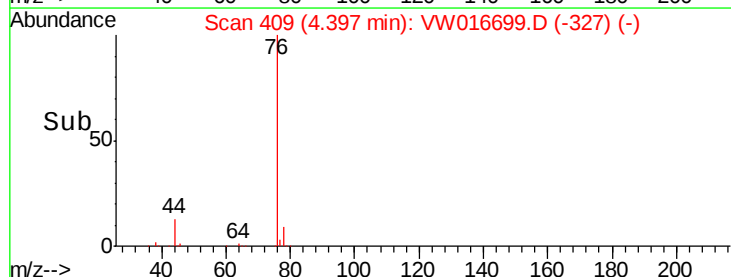
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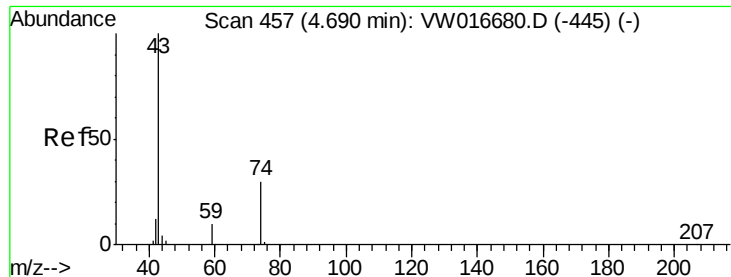
50000

0

Time-->

4.30 4.40 4.50





#15

Methvl Acetate

Concen: 21.806 ug/L

RT: 4.68 min Scan# 455

Delta R.T. -0.01 min

Lab File: VW016699.D

Acq: 29 Sep 2020 20:14

Instrument :

MSVOA_W

ClientSampleId :

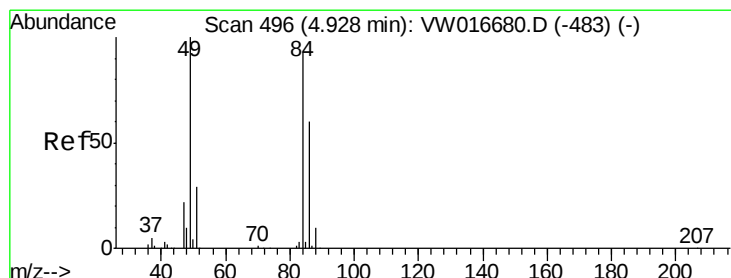
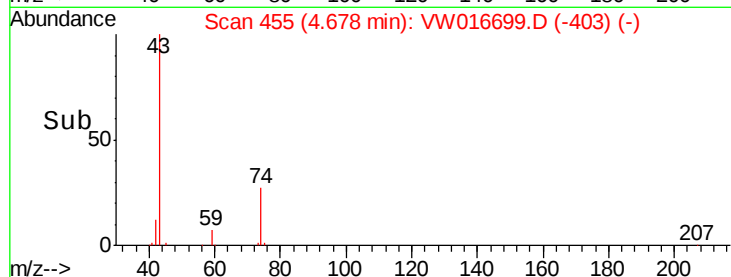
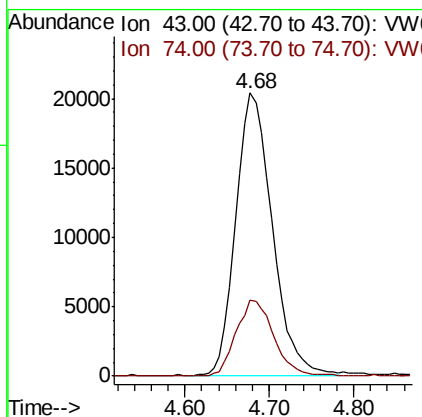
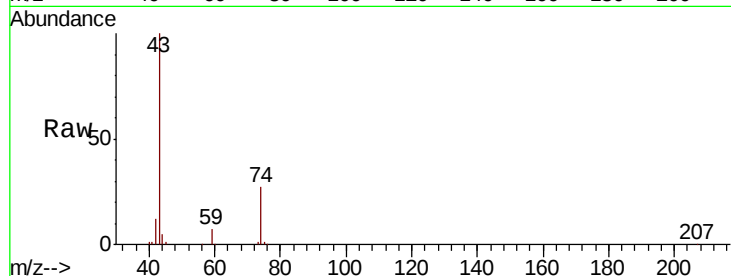
VSTD02512

Tot Ion: 43 Resp: 60195

Ion Ratio Lower Upper

43 100

74 27.3 21.5 32.3



#16

Methylene chloride

Concen: 22.076 ug/L

RT: 4.93 min Scan# 496

Delta R.T. 0.00 min

Lab File: VW016699.D

Acq: 29 Sep 2020 20:14

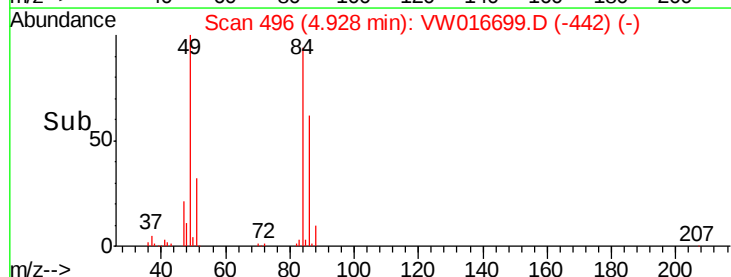
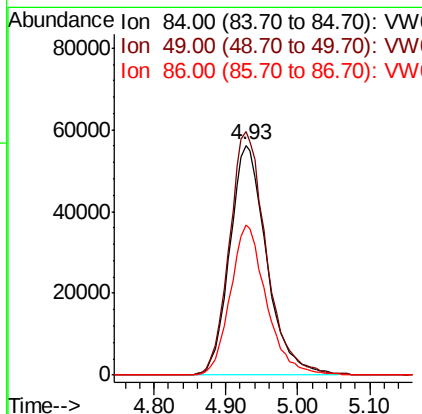
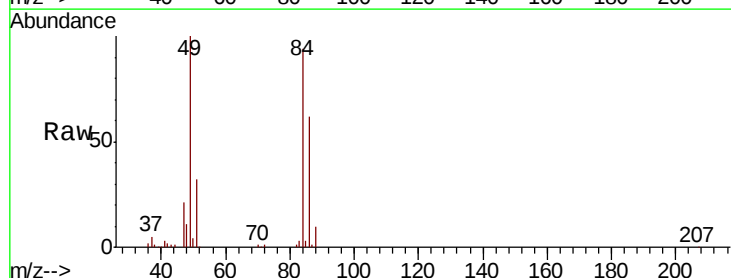
Tgt Ion: 84 Resp: 199673

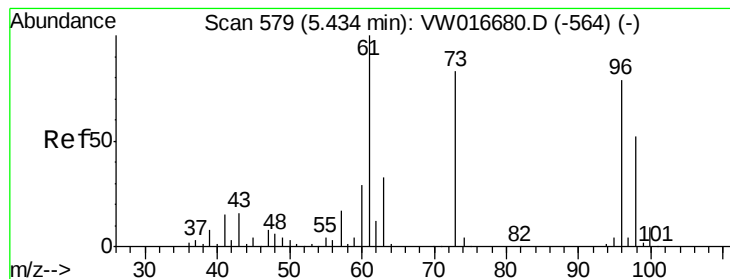
Ion Ratio Lower Upper

84 100

49 105.9 76.0 141.2

86 65.2 45.6 84.6



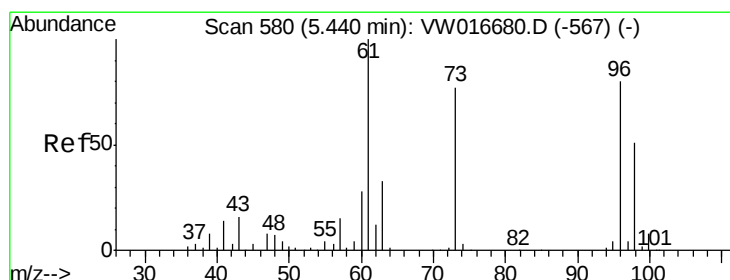
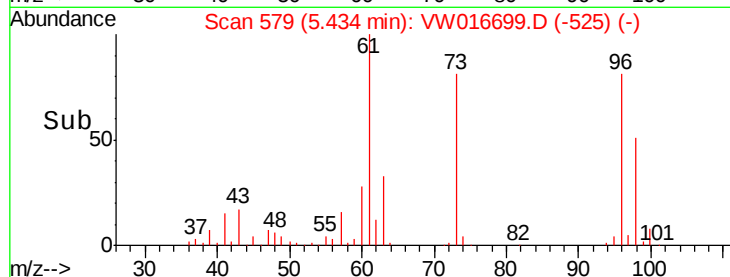
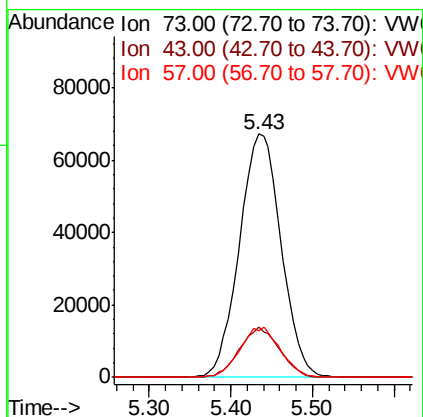
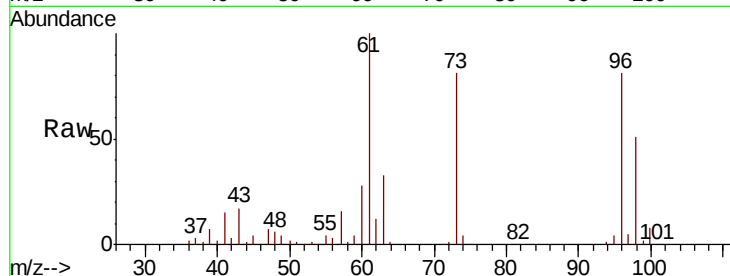


#17

Methvl tert-butvl Ether
 Concen: 23.468 ug/L
 RT: 5.43 min Scan# 579
 Delta R.T. 0.00 min
 Lab File: VW016699.D
 Acq: 29 Sep 2020 20:14

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02512

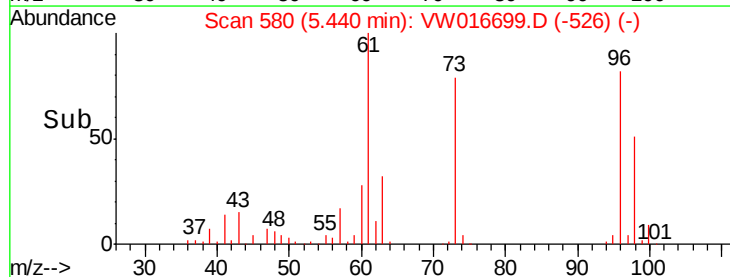
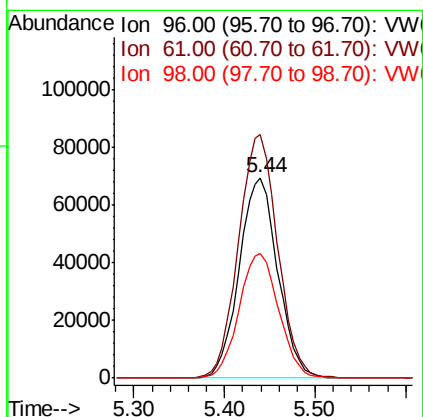
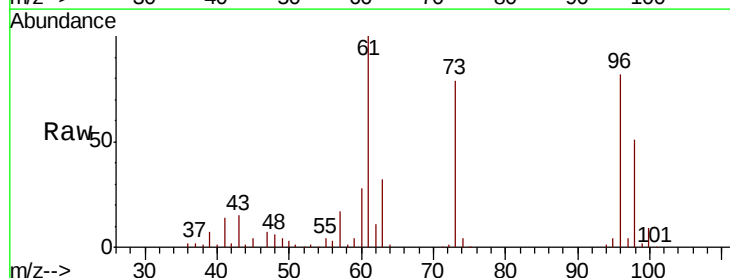
Tot Ion: 73 Resp: 238766
 Ion Ratio Lower Upper
 73 100
 43 19.7 17.2 25.8
 57 20.1 16.3 24.5

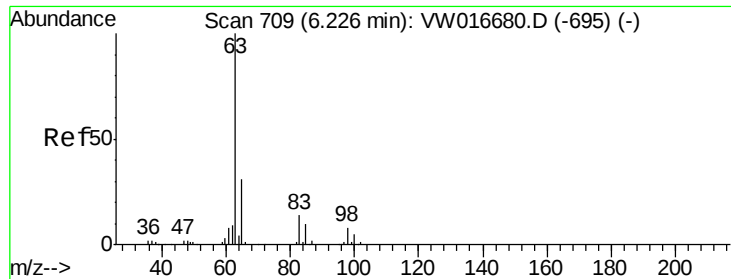


#18

trans-1,2-Dichloroethene
 Concen: 26.608 ug/L
 RT: 5.44 min Scan# 580
 Delta R.T. 0.00 min
 Lab File: VW016699.D
 Acq: 29 Sep 2020 20:14

Tgt Ion: 96 Resp: 204679
 Ion Ratio Lower Upper
 96 100
 61 121.6 88.4 164.2
 98 62.2 43.0 80.0

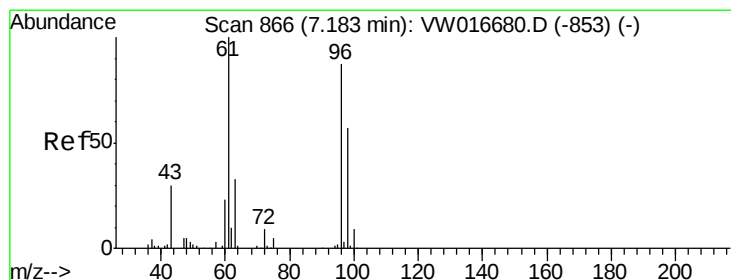
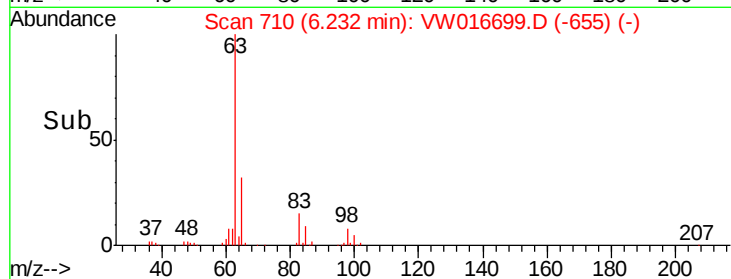
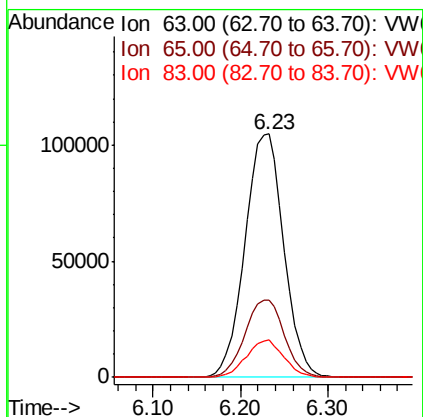
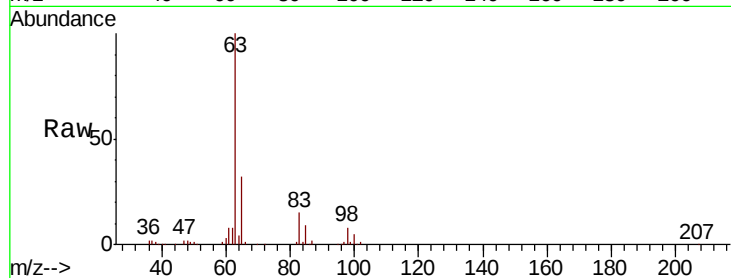




#19
 1,1-Dichloroethane
 Concen: 26.586 ug/L
 RT: 6.23 min Scan# 710
 Delta R.T. 0.01 min
 Lab File: VW016699.D
 Acq: 29 Sep 2020 20:14

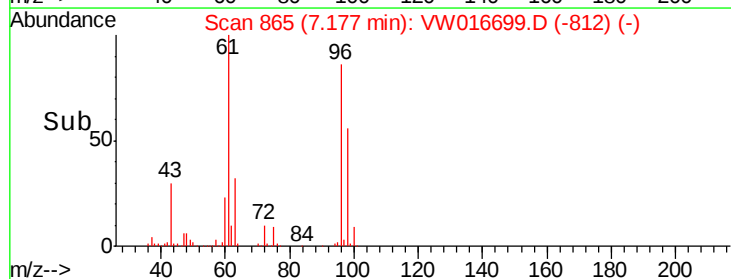
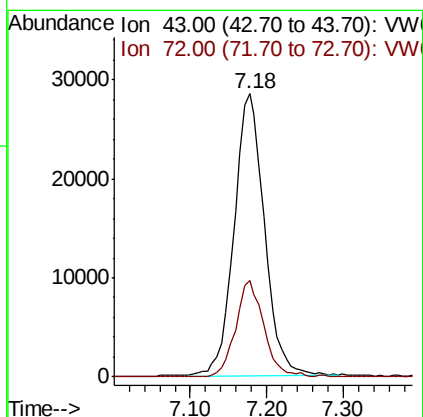
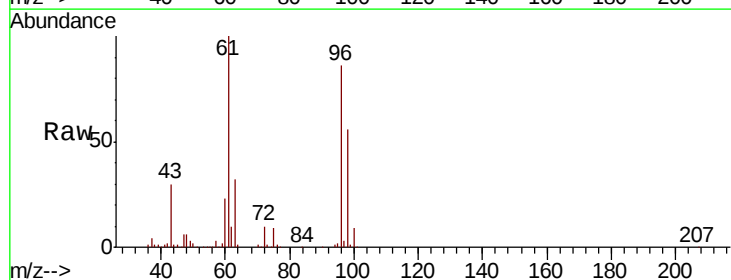
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02512

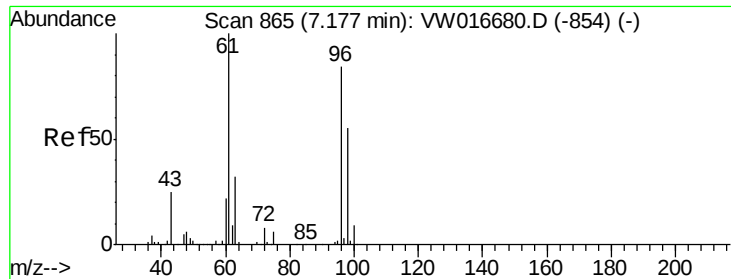
Tot Ion: 63 Resp: 323411
 Ion Ratio Lower Upper
 63 100
 65 31.9 21.6 40.0
 83 15.4 10.4 19.2



#21
 2-Butanone
 Concen: 37.986 ug/L
 RT: 7.18 min Scan# 865
 Delta R.T. -0.01 min
 Lab File: VW016699.D
 Acq: 29 Sep 2020 20:14

Tgt Ion: 43 Resp: 78343
 Ion Ratio Lower Upper
 43 100
 72 31.7 14.6 43.8



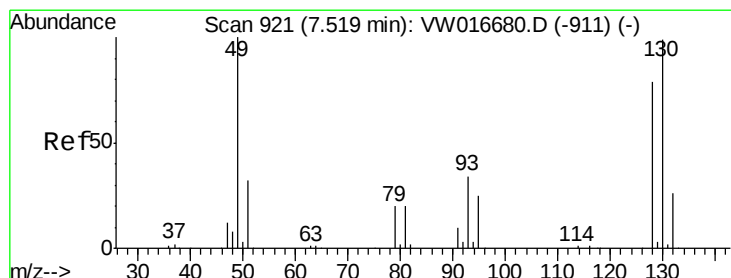
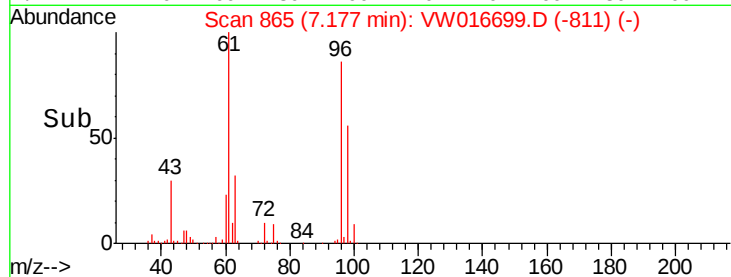
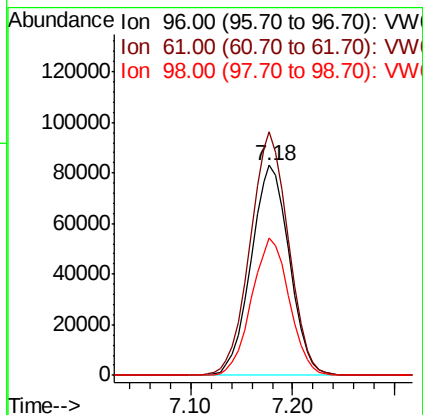
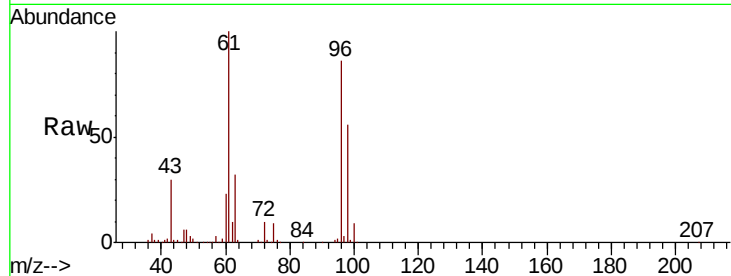


#22

cis-1,2-Dichloroethene
 Concen: 27.189 ug/L
 RT: 7.18 min Scan# 865
 Delta R.T. 0.00 min
 Lab File: VW016699.D
 Acq: 29 Sep 2020 20:14

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02512

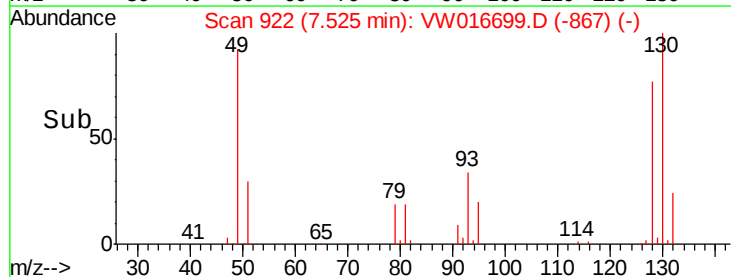
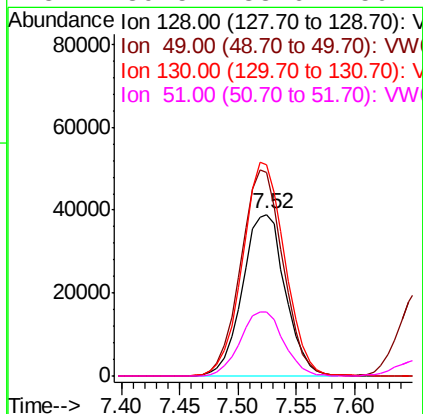
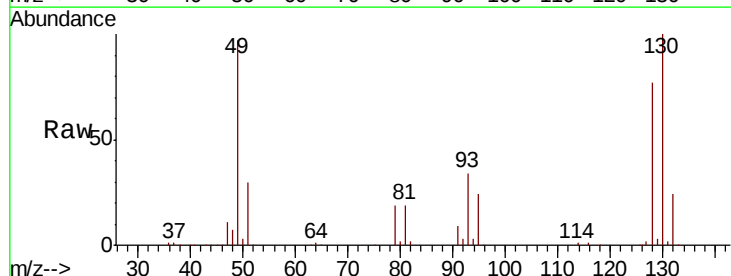
Tot Ion: 96 Resp: 217012
 Ion Ratio Lower Upper
 96 100
 61 115.9 78.4 145.6
 98 65.1 44.8 83.2

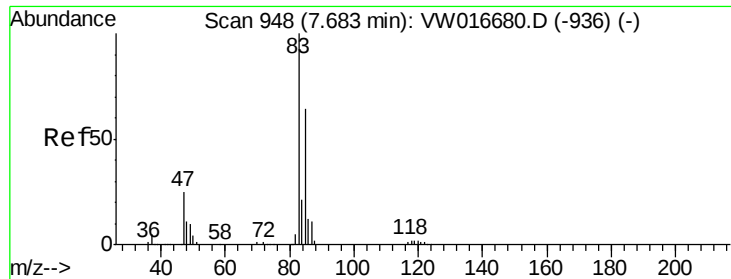


#23

Bromochloromethane
 Concen: 25.667 ug/L
 RT: 7.52 min Scan# 922
 Delta R.T. 0.01 min
 Lab File: VW016699.D
 Acq: 29 Sep 2020 20:14

Tgt Ion: 128 Resp: 99592
 Ion Ratio Lower Upper
 128 100
 49 125.8 92.1 171.1
 130 130.2 87.8 163.0
 51 39.5 33.6 50.4





#25

Chloroform

Concen: 27.249 ug/L

RT: 7.68 min Scan# 948

Delta R.T. 0.00 min

Lab File: VW016699.D

Acq: 29 Sep 2020 20:14

Instrument :

MSVOA_W

ClientSampleId :

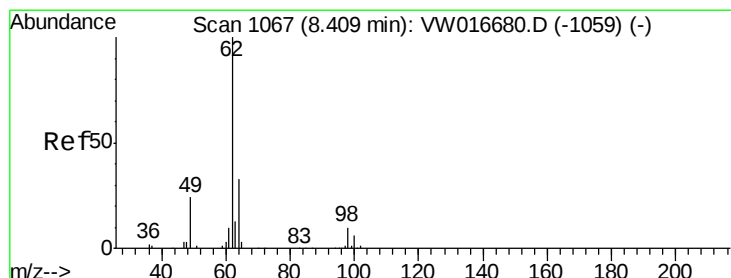
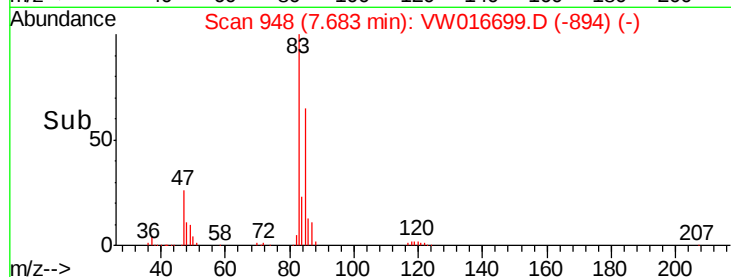
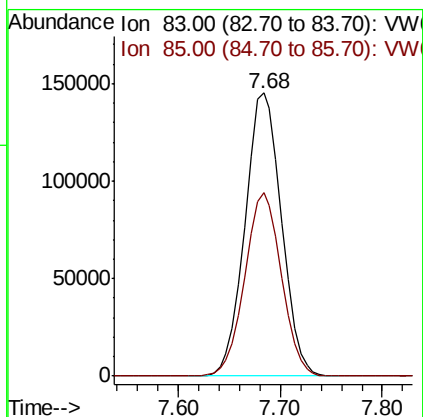
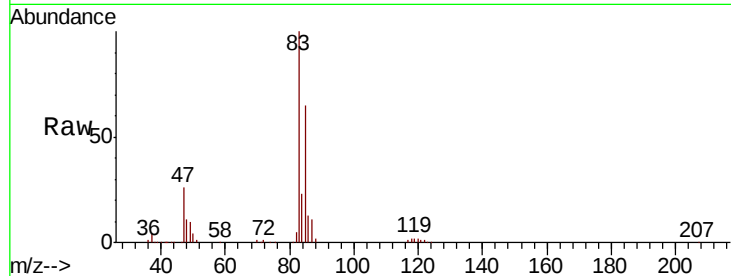
VSTD02512

Tot Ion: 83 Resp: 361403

Ion Ratio Lower Upper

83 100

85 65.1 46.1 85.5



#27

1,2-Dichloroethane

Concen: 25.070 ug/L

RT: 8.41 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VW016699.D

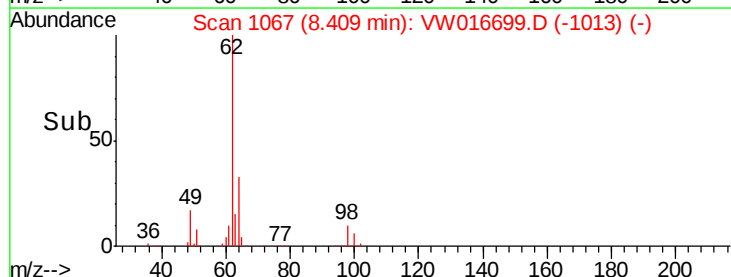
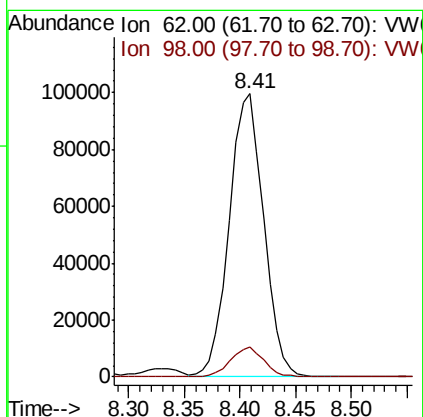
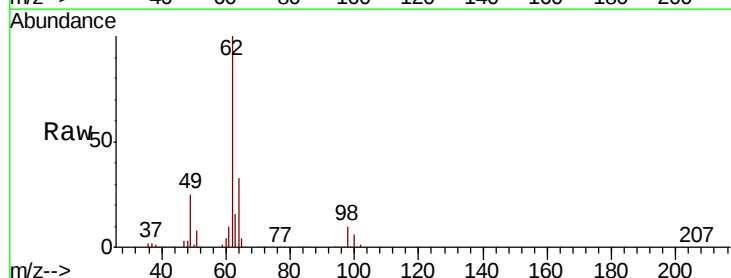
Acq: 29 Sep 2020 20:14

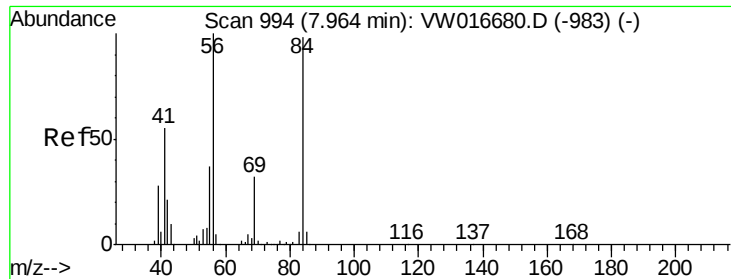
Tgt Ion: 62 Resp: 213344

Ion Ratio Lower Upper

62 100

98 10.5 7.9 11.9

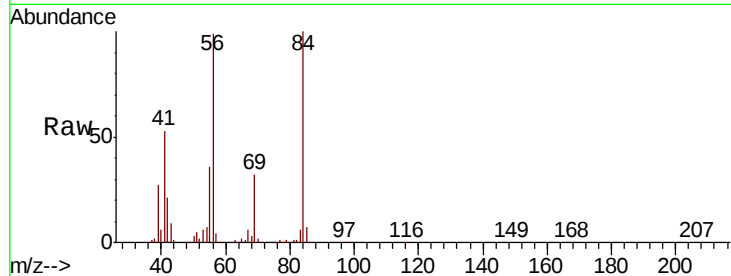




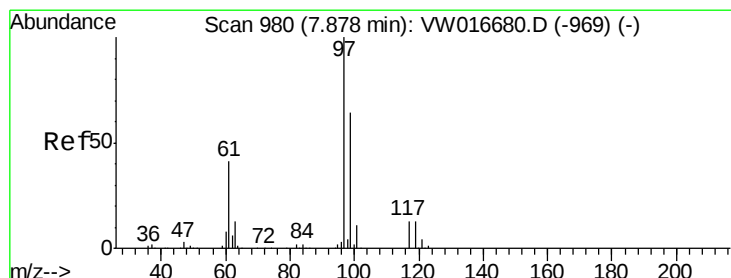
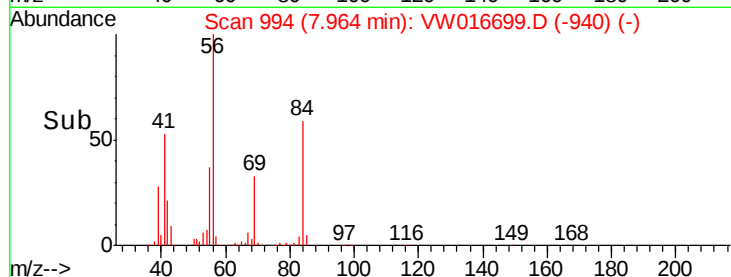
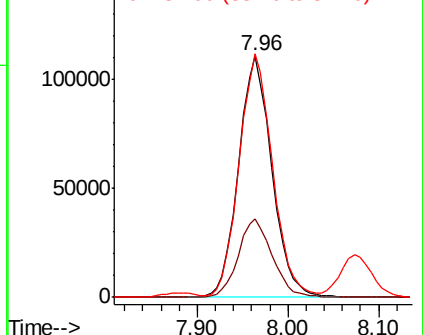
#30
Cvclohexane
Concen: 24.454 ug/L
RT: 7.96 min Scan# 994
Delta R.T. 0.00 min
Lab File: VW016699.D
Acq: 29 Sep 2020 20:14

Instrument :
MSVOA_W
ClientSampleId :
VSTD02512

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.2	26.5	39.7
84	101.1	79.0	118.6

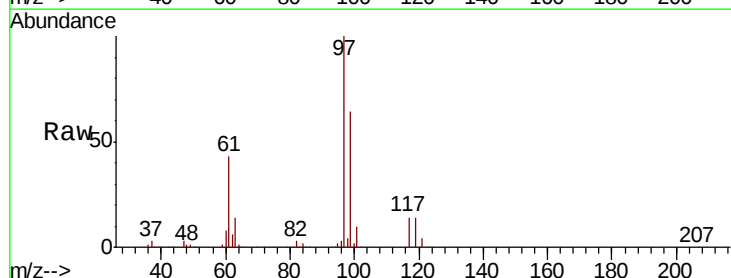


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

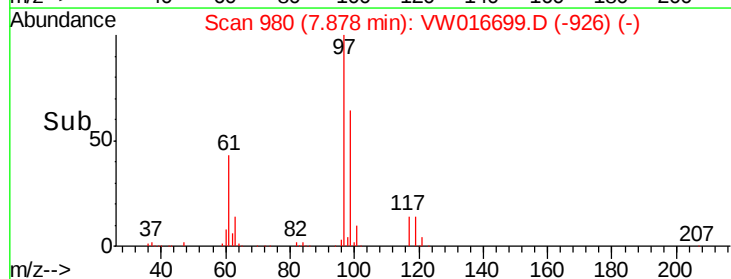
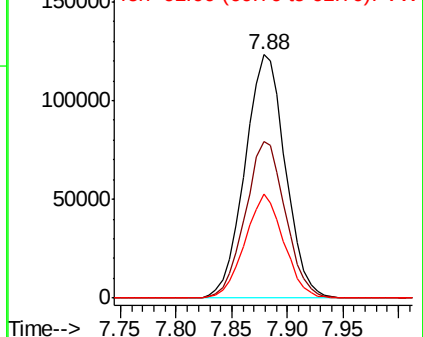


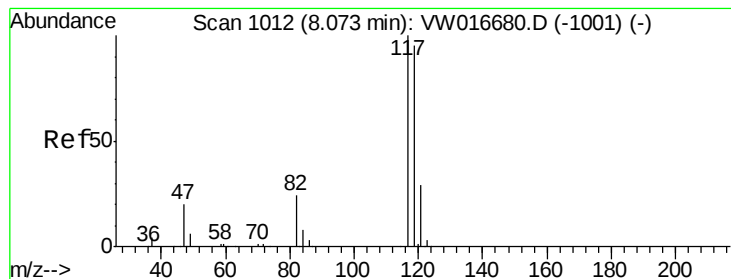
#31
1,1,1-Trichloroethane
Concen: 25.238 ug/L
RT: 7.88 min Scan# 980
Delta R.T. 0.00 min
Lab File: VW016699.D
Acq: 29 Sep 2020 20:14

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.8	77.6
61	41.0	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: 25.372 ug/L

RT: 8.07 min Scan# 1012

Delta R.T. 0.00 min

Lab File: VW016699.D

Acq: 29 Sep 2020 20:14

Instrument :

MSVOA_W

ClientSampleId :

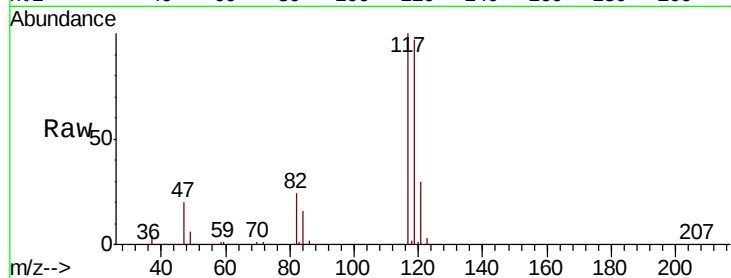
VSTD02512

Tot Ion:117 Resp: 304601

Ion Ratio Lower Upper

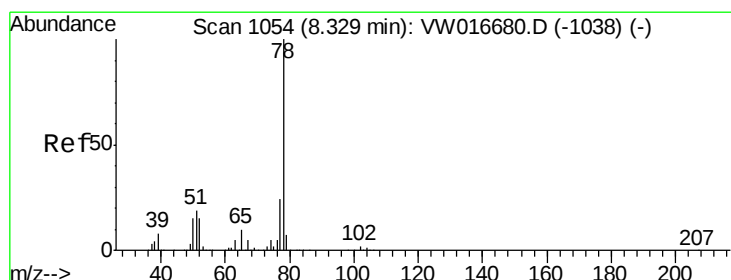
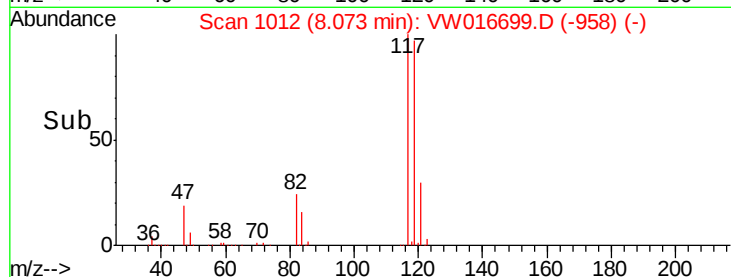
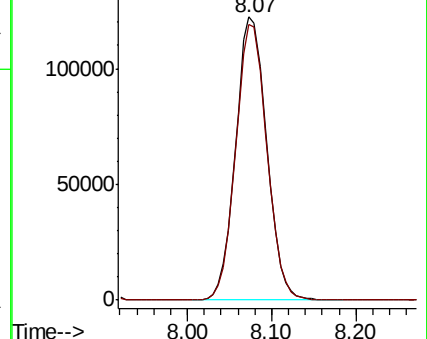
117 100

119 97.4 78.2 117.4



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 26.847 ug/L

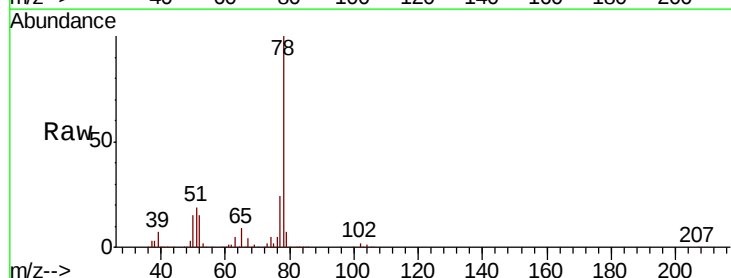
RT: 8.33 min Scan# 1054

Delta R.T. 0.00 min

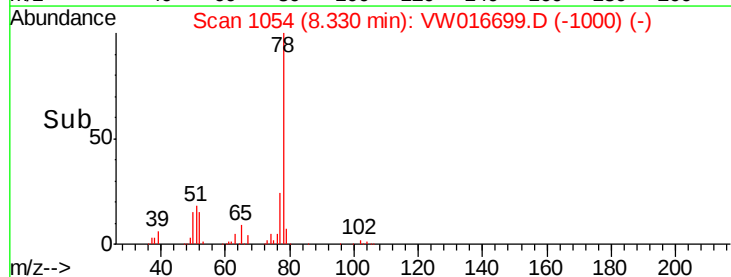
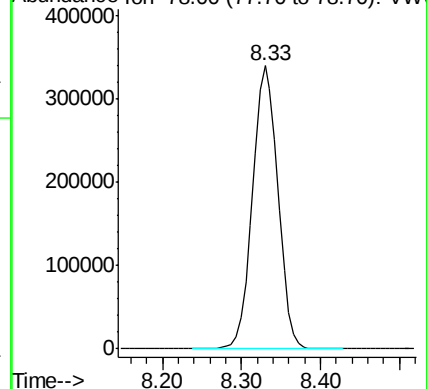
Lab File: VW016699.D

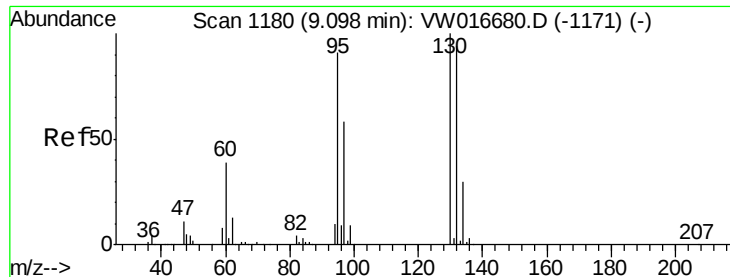
Acq: 29 Sep 2020 20:14

Tgt Ion: 78 Resp: 761351



Abundance Ion 78.00 (77.70 to 78.70): VW





#35

Trichloroethene

Concen: 26.590 ug/L

RT: 9.10 min Scan# 1180

Delta R.T. 0.00 min

Lab File: VW016699.D

Acq: 29 Sep 2020 20:14

Instrument :

MSVOA_W

ClientSampleId :

VSTD02512

Tot Ion: 95 Resp: 218168

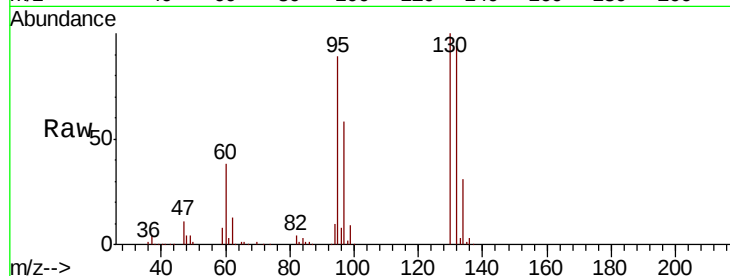
Ion Ratio Lower Upper

95 100

97 64.9 45.2 84.0

132 104.9 73.3 136.1

130 110.0 77.5 143.9

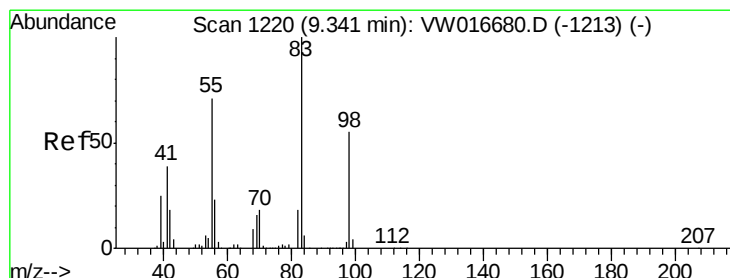
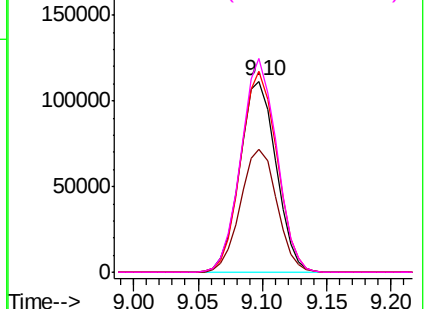
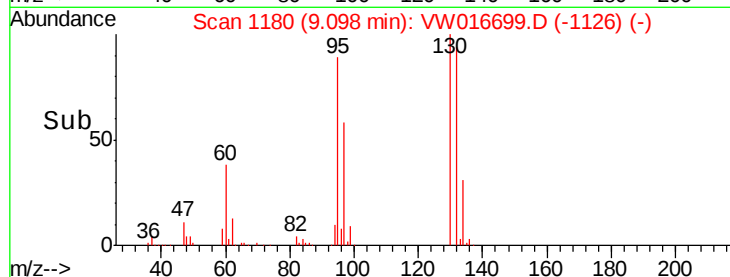


Abundance Ion 95.00 (94.70 to 95.70): VW

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: 25.438 ug/L

RT: 9.34 min Scan# 1220

Delta R.T. 0.00 min

Lab File: VW016699.D

Acq: 29 Sep 2020 20:14

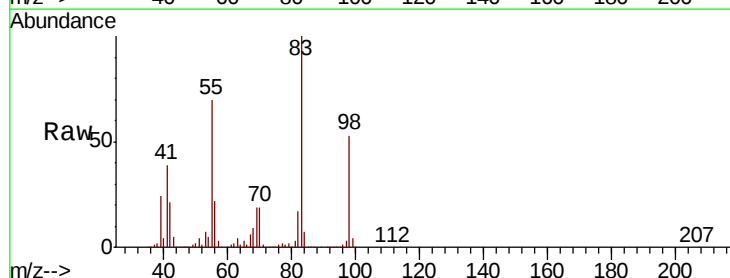
Tgt Ion: 83 Resp: 354022

Ion Ratio Lower Upper

83 100

55 68.2 55.9 83.9

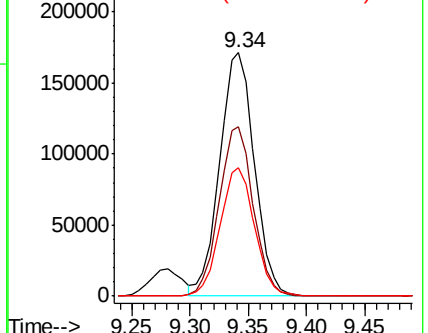
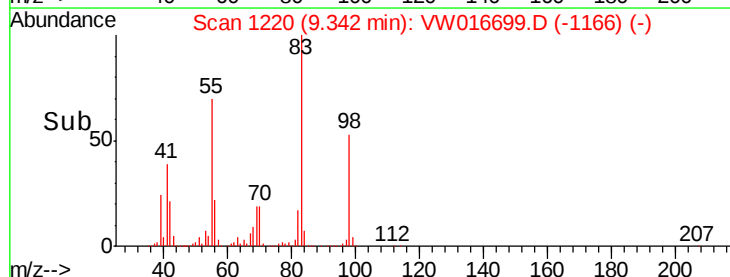
98 52.2 42.1 63.1

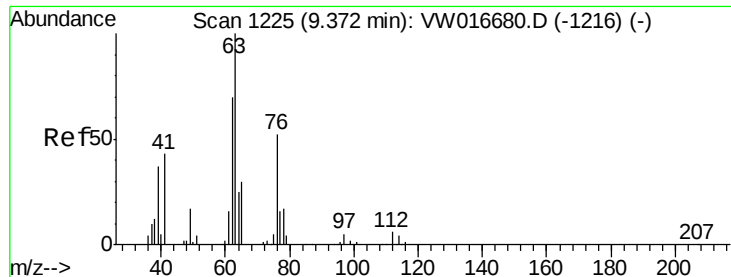


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW

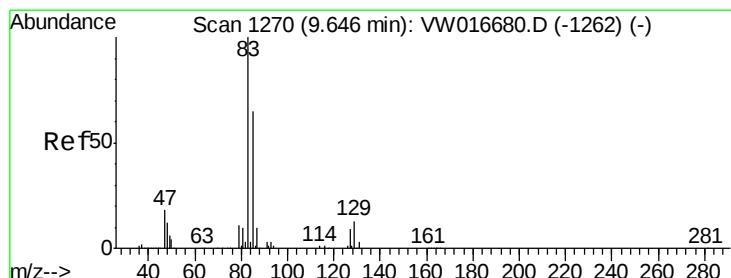
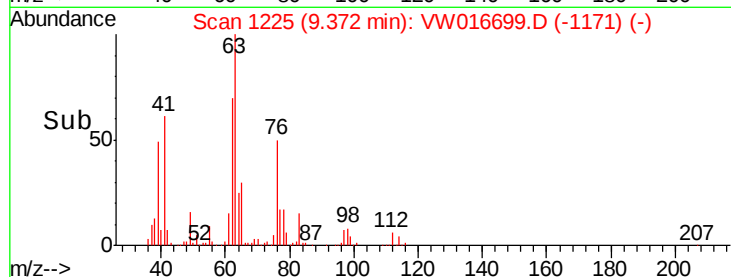
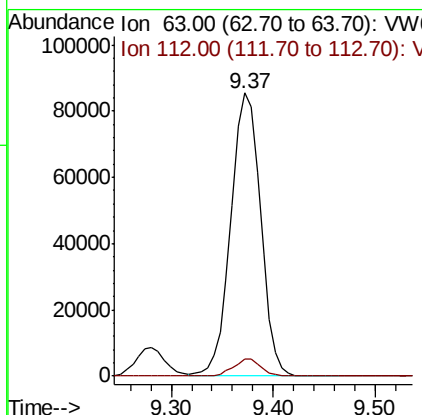
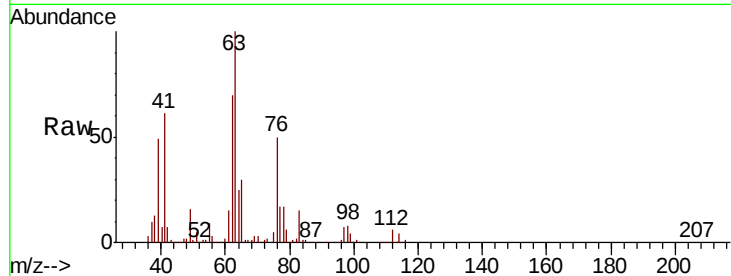




#40
 1,2-Dichloropropane
 Concen: 26.285 ug/L
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.00 min
 Lab File: VW016699.D
 Acq: 29 Sep 2020 20:14

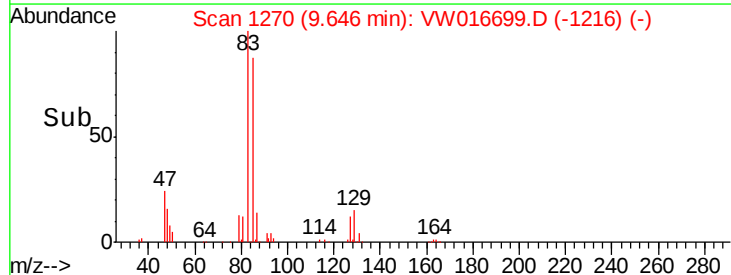
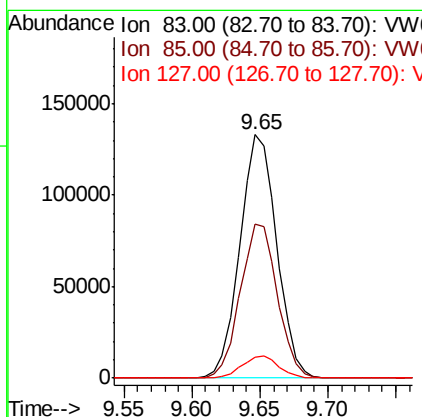
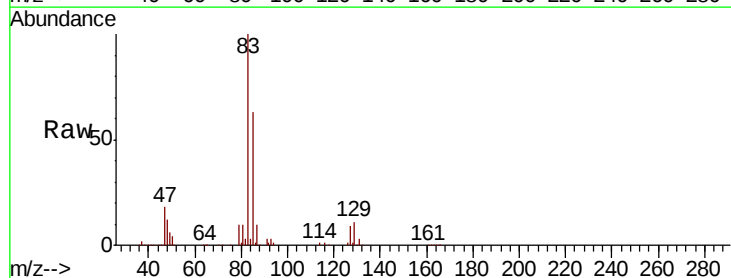
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02512

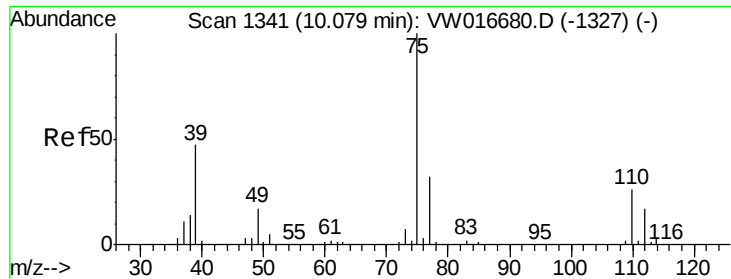
Tot Ion: 63 Resp: 173368
 Ion Ratio Lower Upper
 63 100
 112 5.7 4.5 6.7



#41
 Bromodichloromethane
 Concen: 25.843 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VW016699.D
 Acq: 29 Sep 2020 20:14

Tgt Ion: 83 Resp: 252600
 Ion Ratio Lower Upper
 83 100
 85 63.3 46.8 86.8
 127 8.6 6.8 10.2

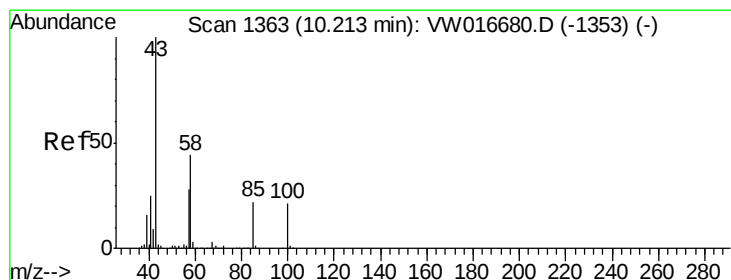
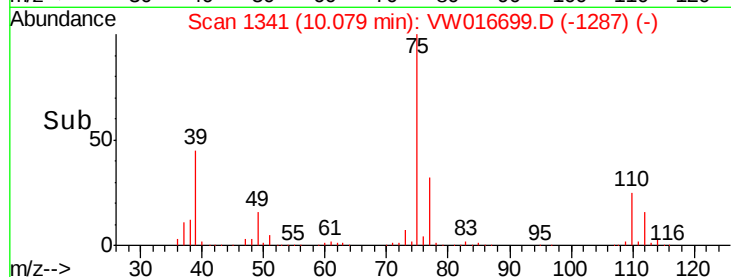
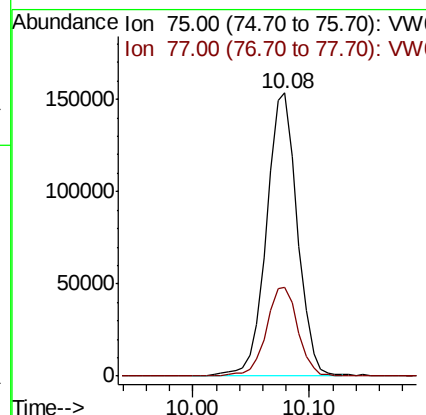
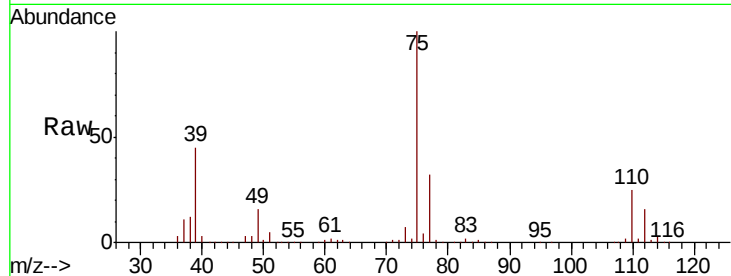




#42
 cis-1,3-Dichloropropene
 Concen: 25.105 ug/L
 RT: 10.08 min Scan# 1341
 Delta R.T. 0.00 min
 Lab File: VW016699.D
 Acq: 29 Sep 2020 20:14

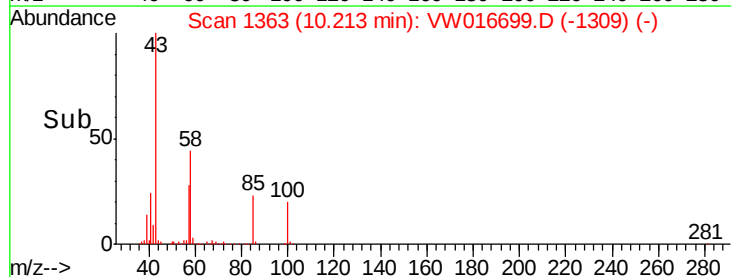
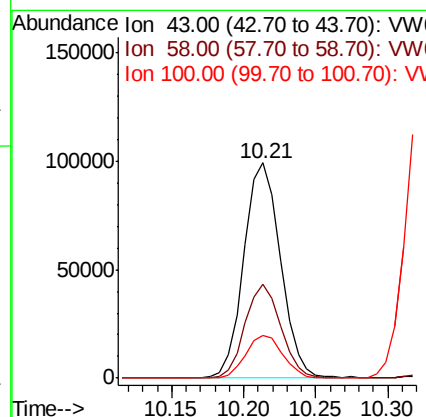
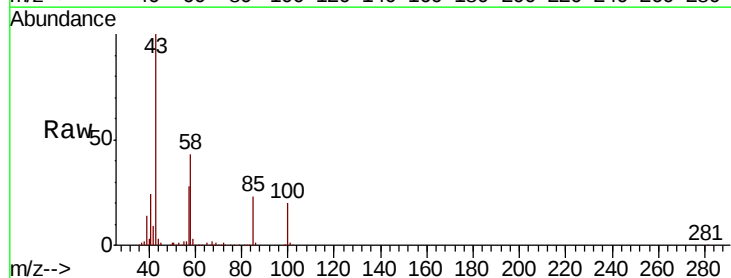
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02512

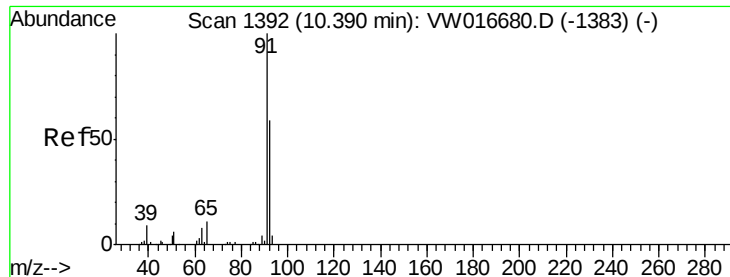
Tot Ion: 75 Resp: 282836
 Ion Ratio Lower Upper
 75 100
 77 31.6 22.2 41.2



#43
 4-Methyl-2-pentanone
 Concen: 41.637 ug/L
 RT: 10.21 min Scan# 1363
 Delta R.T. 0.00 min
 Lab File: VW016699.D
 Acq: 29 Sep 2020 20:14

Tgt Ion: 43 Resp: 174485
 Ion Ratio Lower Upper
 43 100
 58 42.9 32.2 48.4
 100 20.3 15.8 23.6





#44

Toluene

Concen: 26.732 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW016699.D

Acq: 29 Sep 2020 20:14

Instrument :

MSVOA_W

ClientSampleId :

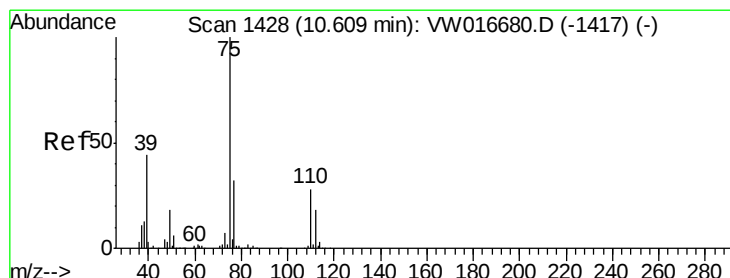
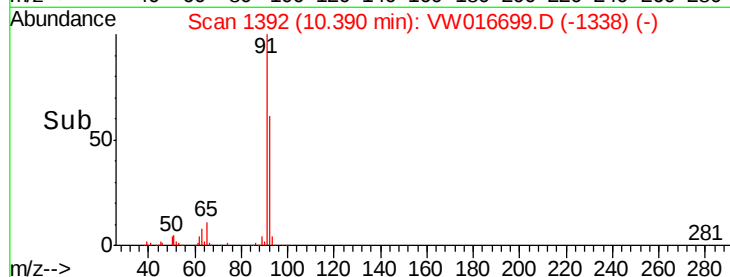
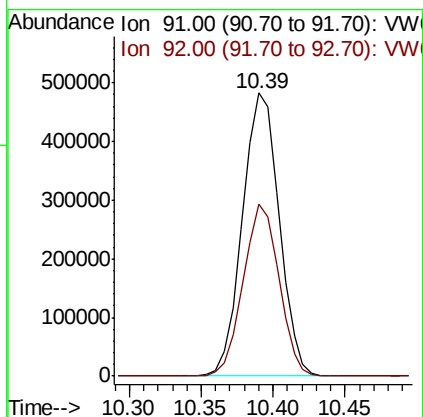
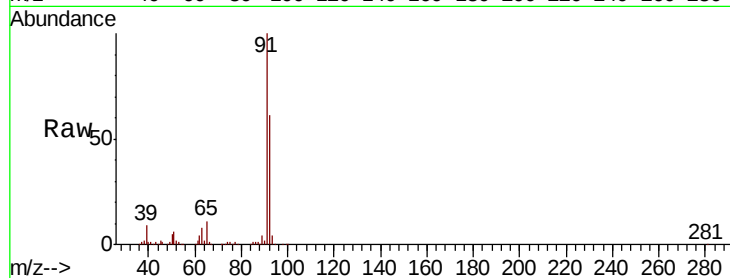
VSTD02512

Tot Ion: 91 Resp: 852441

Ion Ratio Lower Upper

91 100

92 60.7 39.6 73.6



#45

trans-1,3-Dichloropropene

Concen: 24.510 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW016699.D

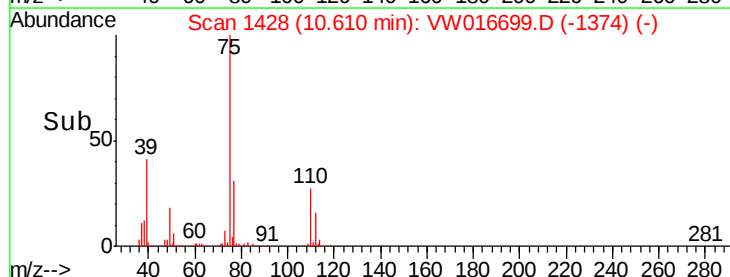
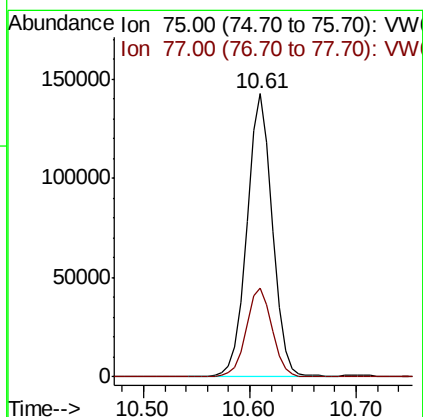
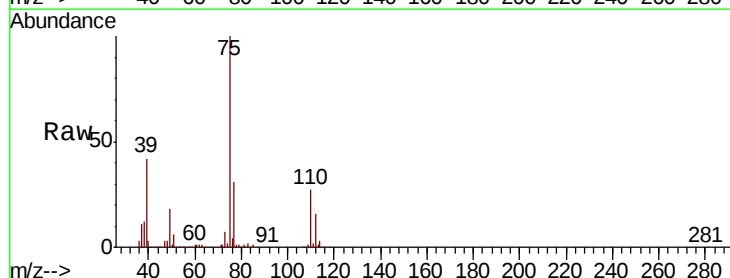
Acq: 29 Sep 2020 20:14

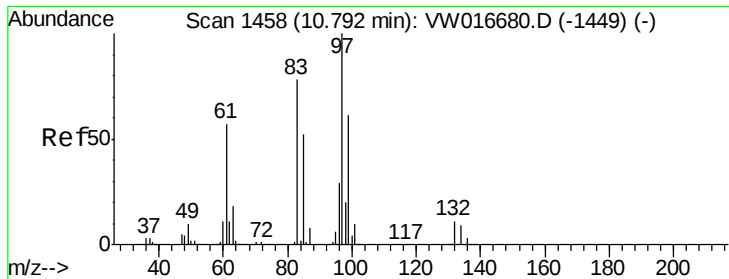
Tgt Ion: 75 Resp: 240255

Ion Ratio Lower Upper

75 100

77 31.3 22.5 41.9

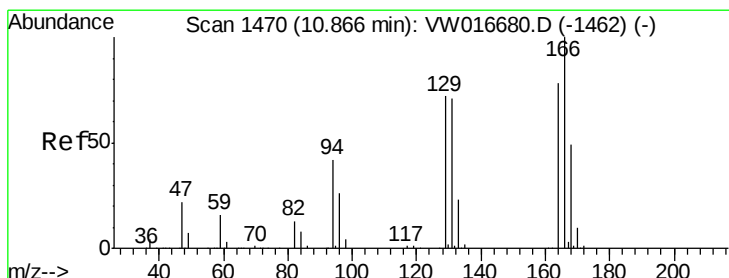
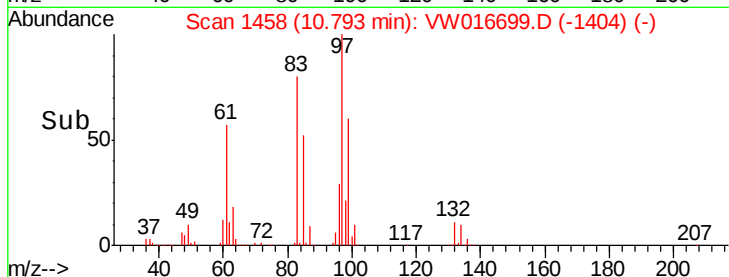
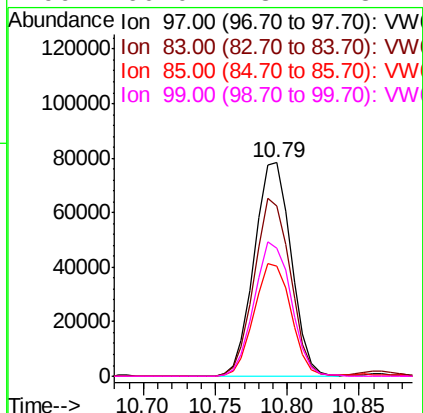
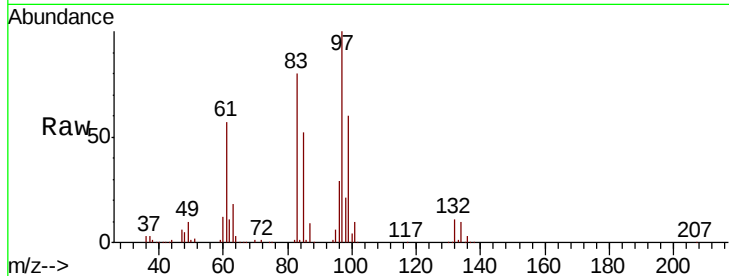




#46
 1,1,2-Trichloroethane
 Concen: 25.095 ug/L
 RT: 10.79 min Scan# 1458
 Delta R.T. 0.00 min
 Lab File: VW016699.D
 Acq: 29 Sep 2020 20:14

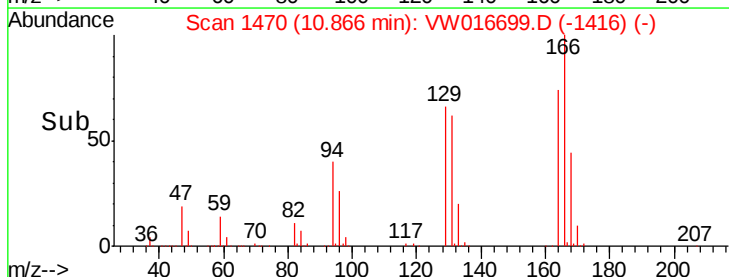
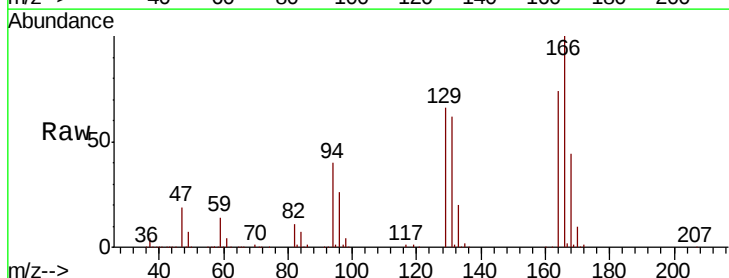
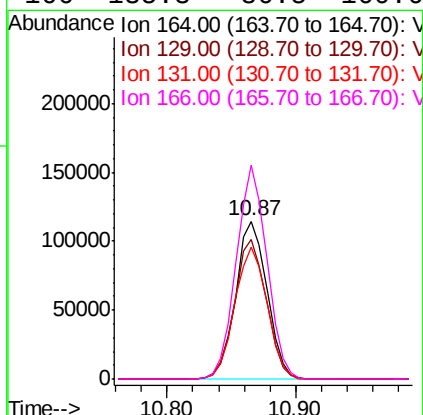
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02512

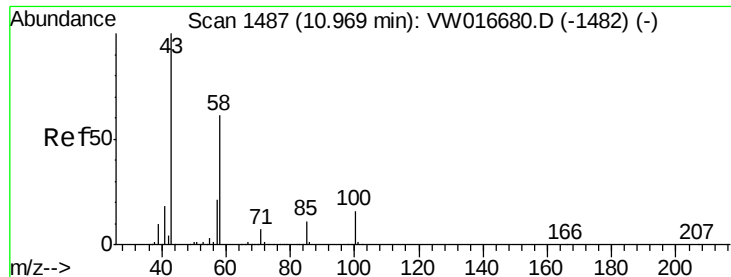
Tot Ion	97	Resp	139445
Ion	Ratio	Lower	Upper
97	100		
83	79.8	55.7	103.5
85	51.8	36.8	68.4
99	60.0	43.7	81.1



#47
 Tetrachloroethene
 Concen: 26.104 ug/L
 RT: 10.87 min Scan# 1470
 Delta R.T. 0.00 min
 Lab File: VW016699.D
 Acq: 29 Sep 2020 20:14

Tgt Ion	164	Resp	193401
Ion	Ratio	Lower	Upper
164	100		
129	88.7	55.6	103.2
131	83.7	57.2	106.2
166	135.3	86.5	160.6





#49

2-Hexanone

Concen: 44.050 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW016699.D

Acq: 29 Sep 2020 20:14

Instrument :

MSVOA_W

ClientSampled :

VSTD02512

Tot Ion: 43 Resp: 117154

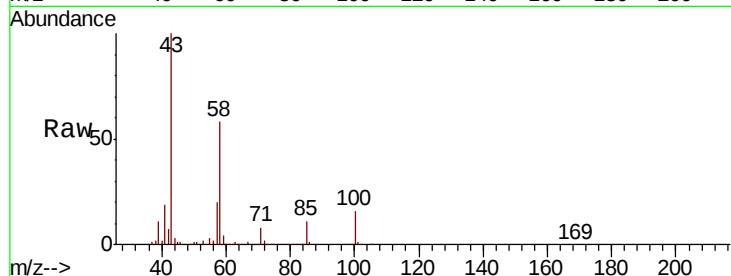
Ion Ratio Lower Upper

43 100

58 60.1 44.2 66.2

57 20.7 16.3 24.5

100 16.0 12.4 18.6

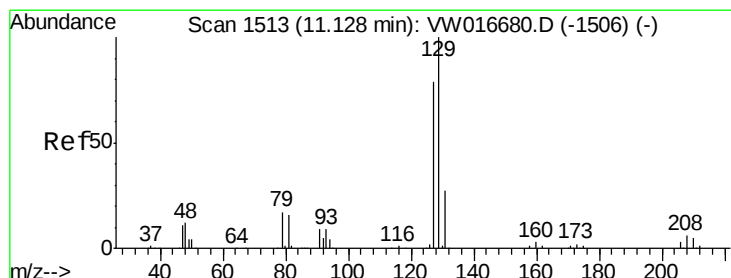
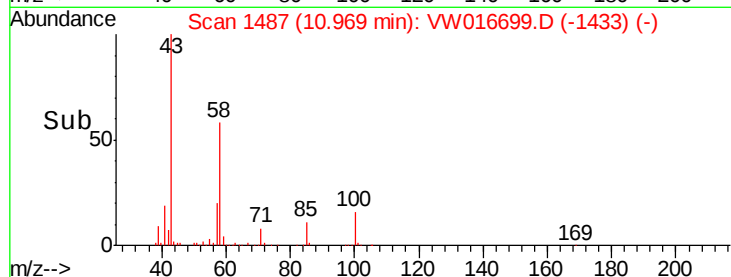
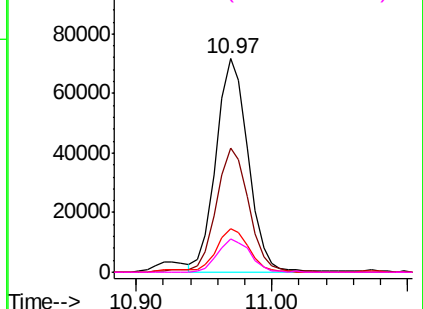


Abundance Ion 43.00 (42.70 to 43.70): VW

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: 24.843 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VW016699.D

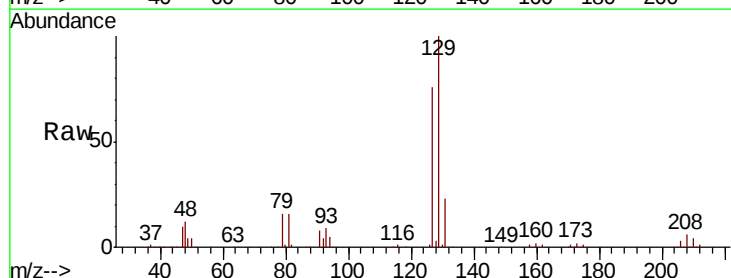
Acq: 29 Sep 2020 20:14

Tgt Ion: 129 Resp: 180229

Ion Ratio Lower Upper

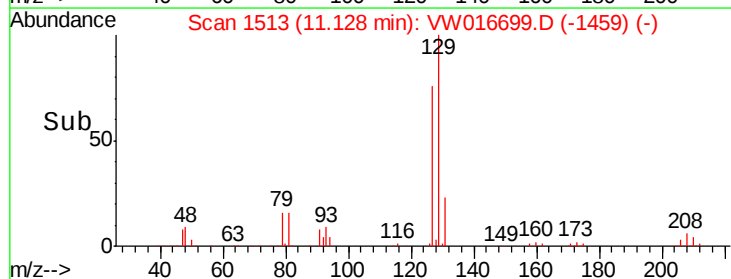
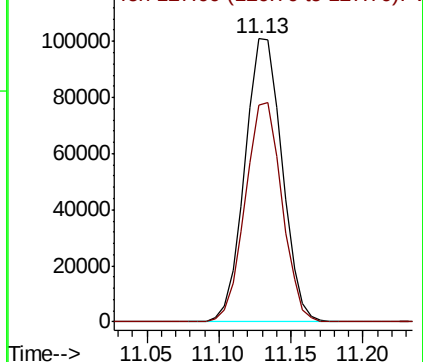
129 100

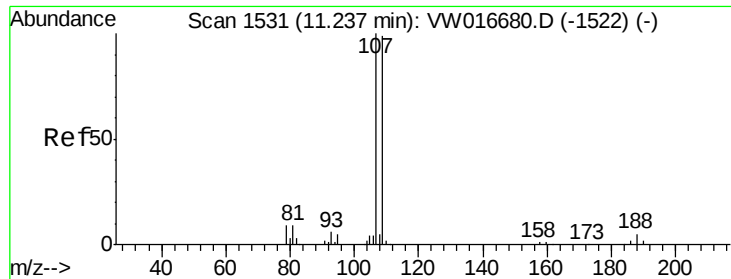
127 76.5 52.4 97.4



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

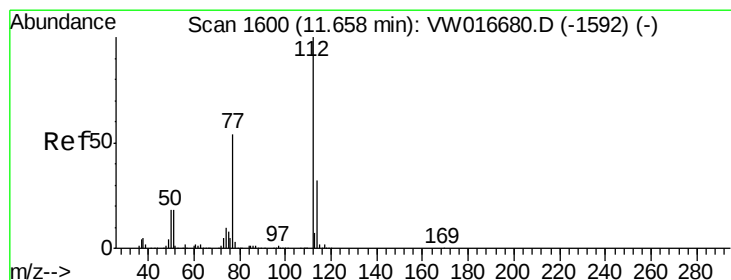
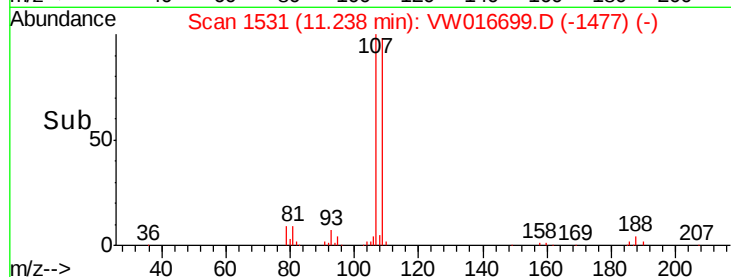
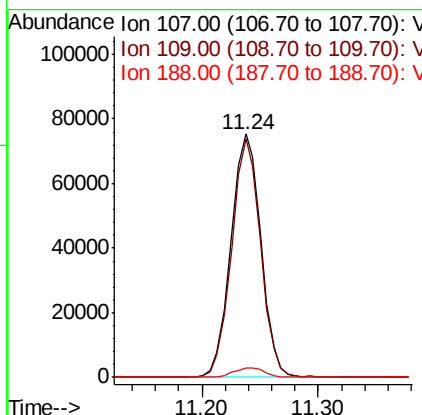
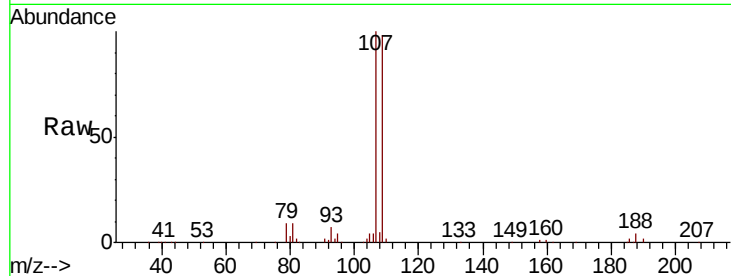




#51
 1,2-Dibromoethane
 Concen: 24.201 ug/L
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW016699.D
 Acq: 29 Sep 2020 20:14

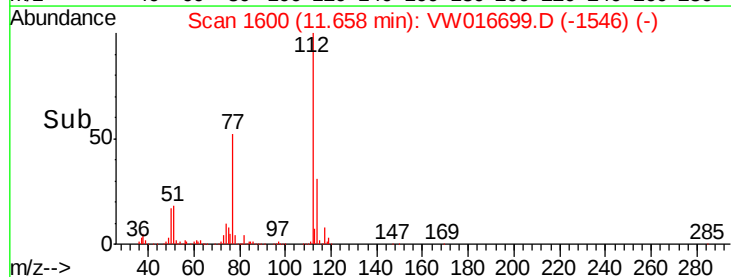
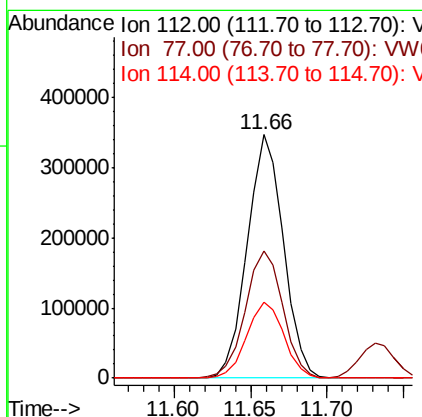
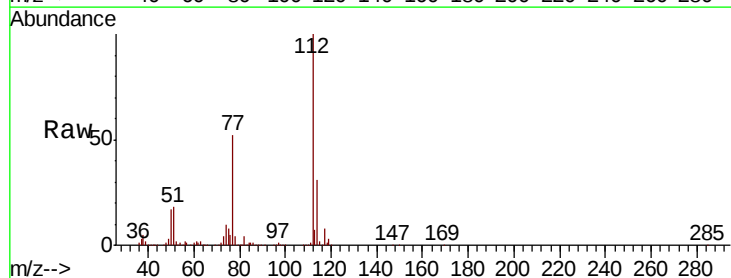
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02512

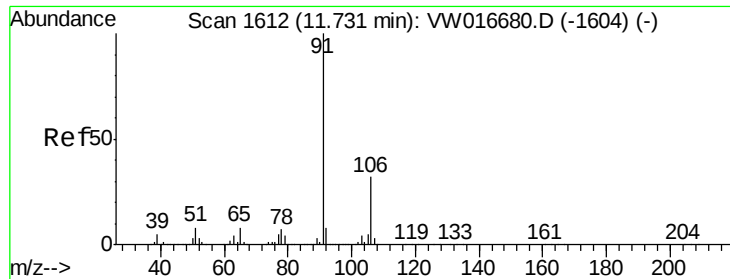
Tot Ion:107 Resp: 134640
 Ion Ratio Lower Upper
 107 100
 109 97.9 63.0 117.0
 188 4.1 3.1 4.7



#52
 Chlorobenzene
 Concen: 26.646 ug/L
 RT: 11.66 min Scan# 1600
 Delta R.T. 0.00 min
 Lab File: VW016699.D
 Acq: 29 Sep 2020 20:14

Tgt Ion:112 Resp: 570758
 Ion Ratio Lower Upper
 112 100
 77 52.0 43.1 64.7
 114 30.9 22.3 41.3

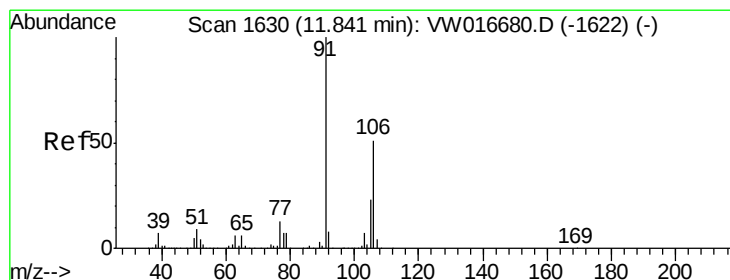
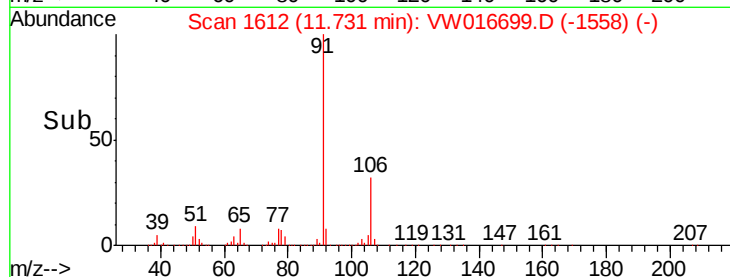
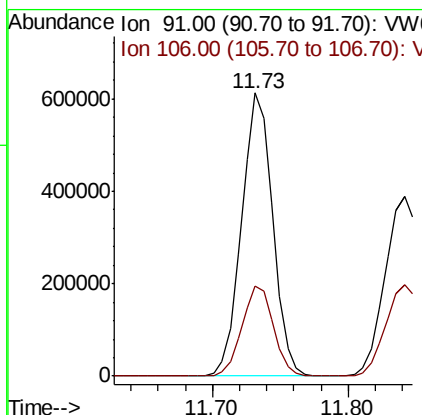
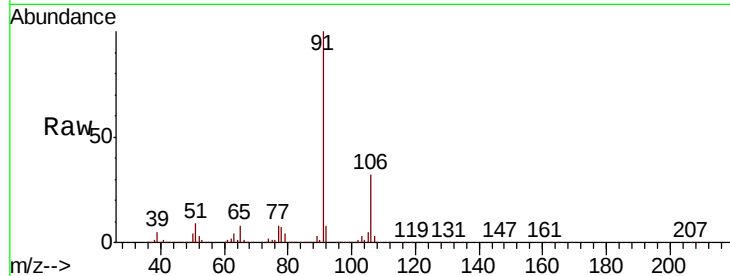




#53
Ethylbenzene
Concen: 27.026 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW016699.D
Acq: 29 Sep 2020 20:14

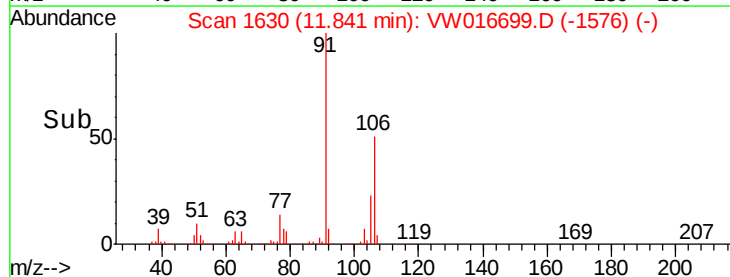
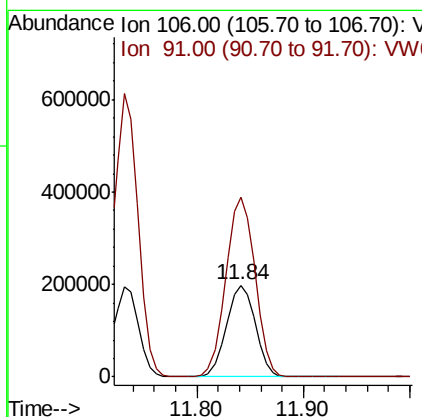
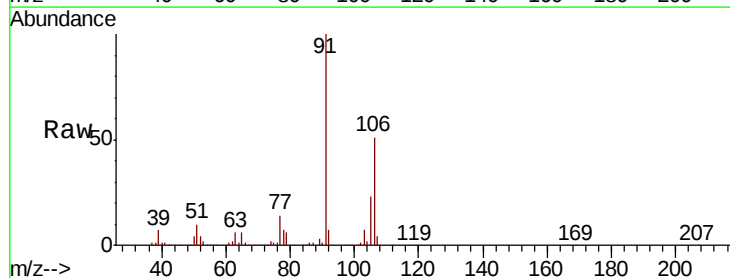
Instrument :
MSVOA_W
ClientSampleId :
VSTD02512

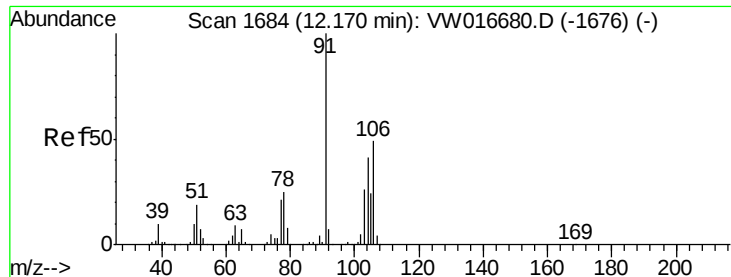
Tot Ion: 91 Resp: 978462
Ion Ratio Lower Upper
91 100
106 32.0 20.7 38.5



#54
m,p-Xylene
Concen: 26.539 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW016699.D
Acq: 29 Sep 2020 20:14

Tgt Ion: 106 Resp: 376237
Ion Ratio Lower Upper
106 100
91 195.7 139.7 259.5





#55

o-xylene

Concen: 26.688 ug/L

RT: 12.17 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VW016699.D

Acq: 29 Sep 2020 20:14

Instrument :

MSVOA_W

ClientSampleId :

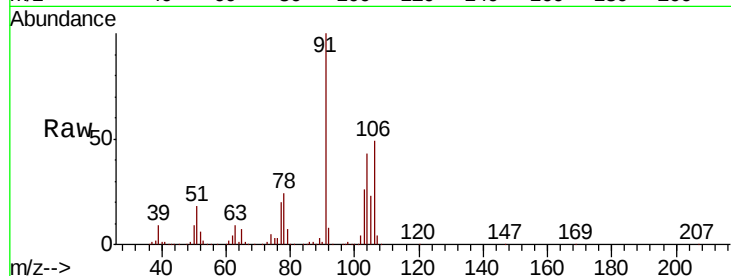
VSTD02512

Tot Ion:106 Resp: 362466

Ion Ratio Lower Upper

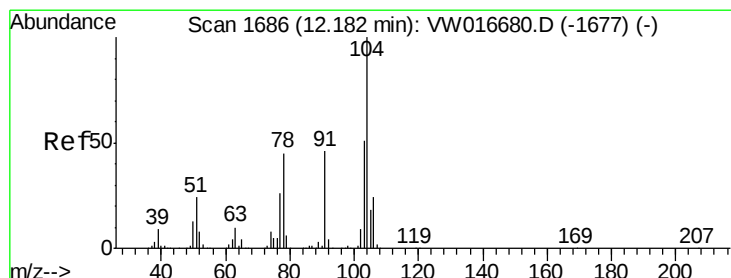
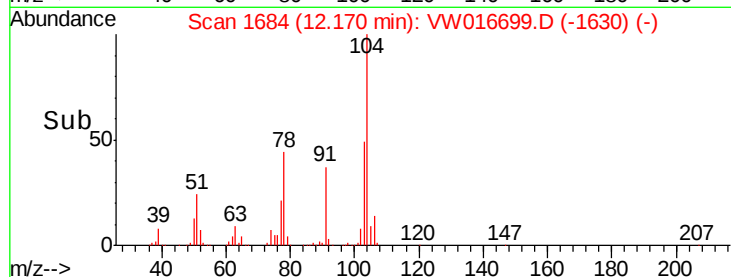
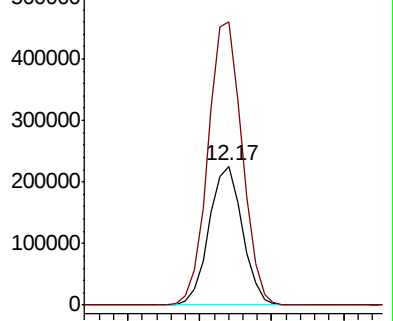
106 100

91 203.8 144.8 268.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 26.682 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VW016699.D

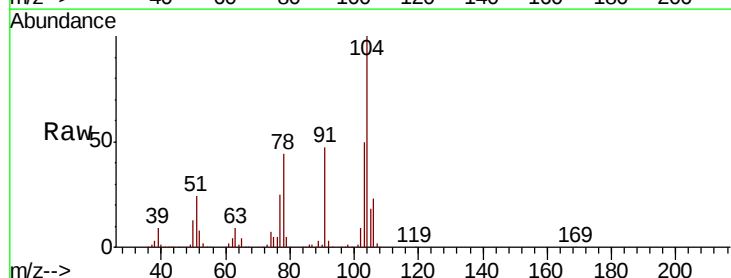
Acq: 29 Sep 2020 20:14

Tgt Ion:104 Resp: 601753

Ion Ratio Lower Upper

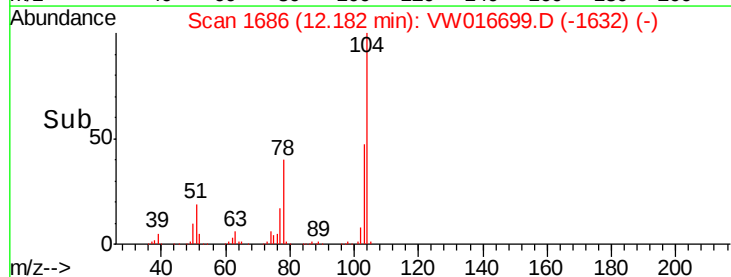
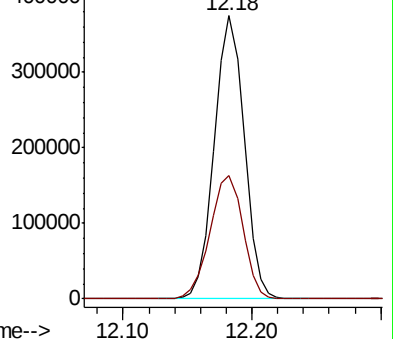
104 100

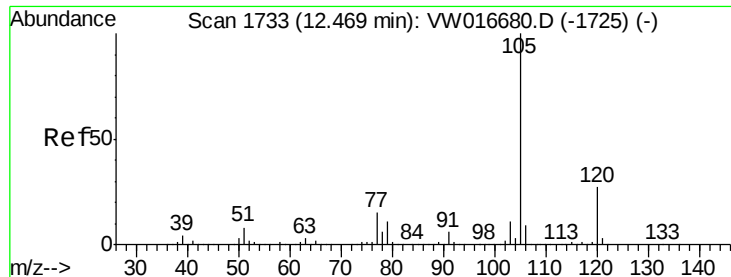
78 43.7 31.4 58.2



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 26.761 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.01 min

Lab File: VW016699.D

Acq: 29 Sep 2020 20:14

Instrument :

MSVOA_W

ClientSampleId :

VSTD02512

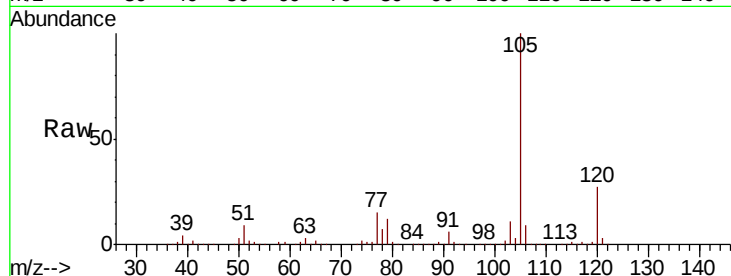
Tot Ion:105 Resp: 993158

Ion Ratio Lower Upper

105 100

120 26.9 21.8 32.8

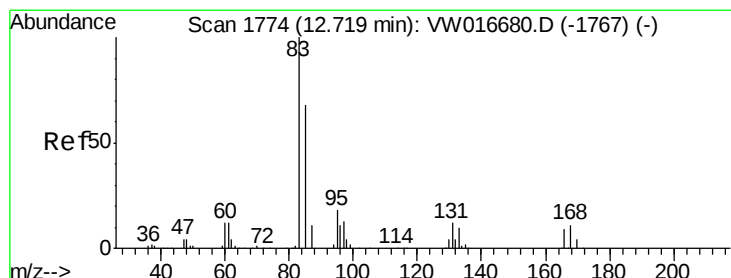
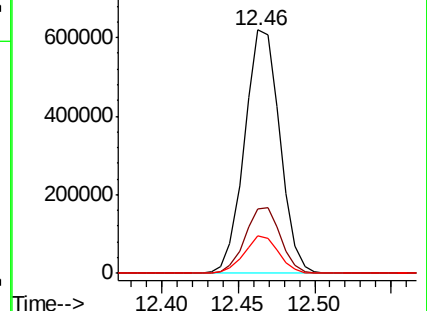
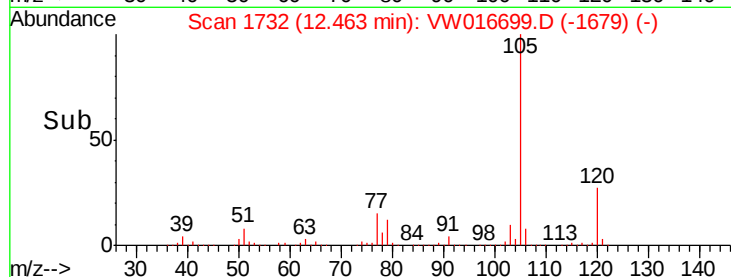
77 14.9 12.2 18.2



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: 23.680 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.01 min

Lab File: VW016699.D

Acq: 29 Sep 2020 20:14

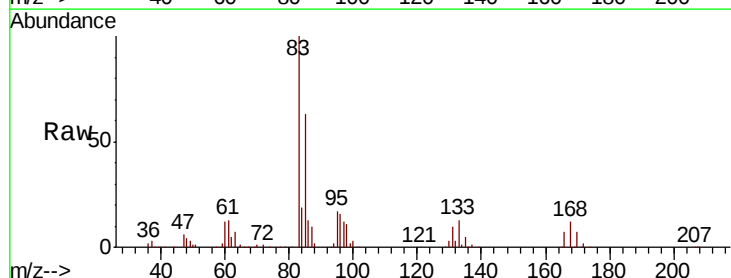
Tgt Ion: 83 Resp: 147143

Ion Ratio Lower Upper

83 100

85 63.3 46.0 85.4

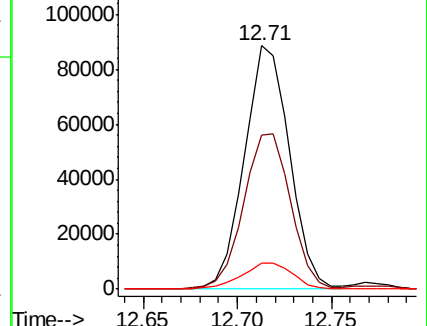
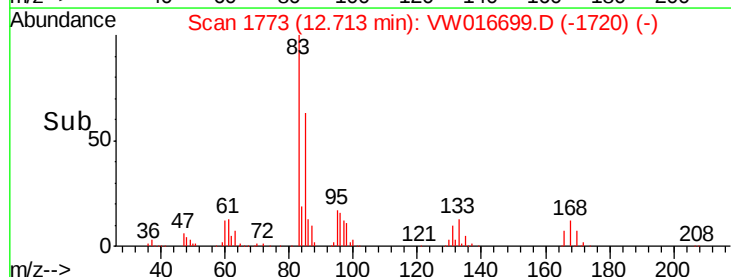
131 10.5 9.0 13.6

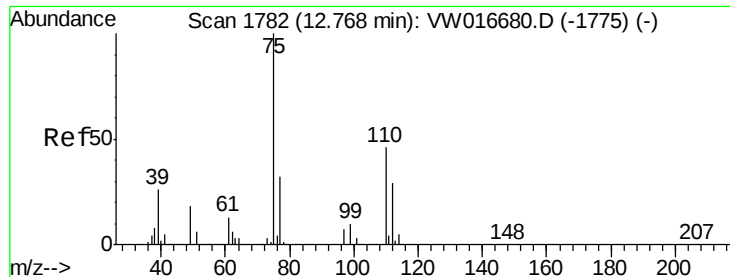


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 22.931 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW016699.D

Acq: 29 Sep 2020 20:14

Instrument :

MSVOA_W

ClientSampleId :

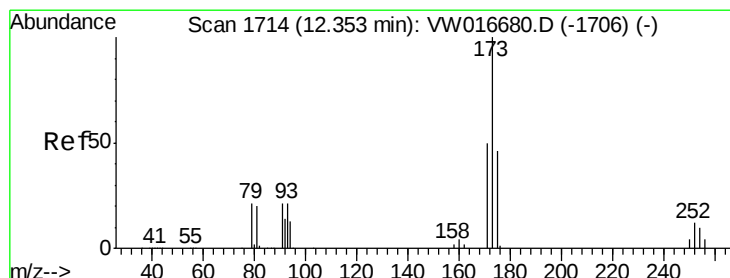
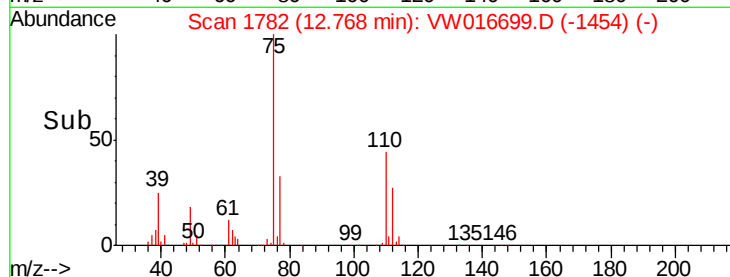
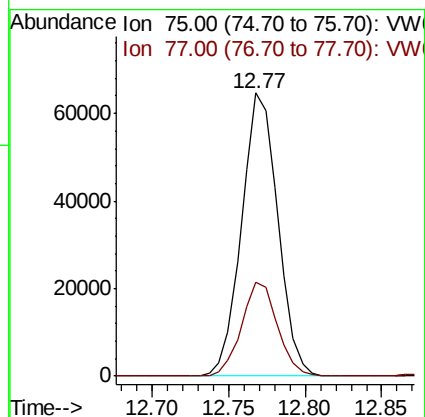
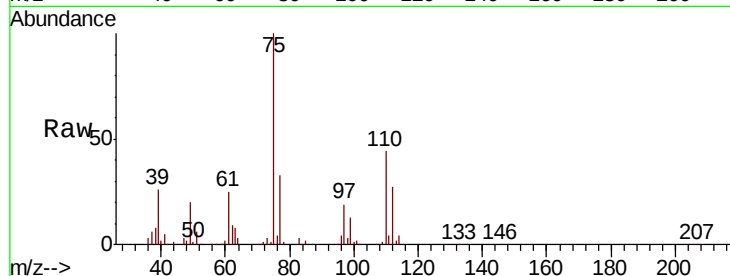
VSTD02512

Tot Ion: 75 Resp: 106128

Ion Ratio Lower Upper

75 100

77 33.0 26.2 39.4



#62

Bromoform

Concen: 23.121 ug/L

RT: 12.35 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VW016699.D

Acq: 29 Sep 2020 20:14

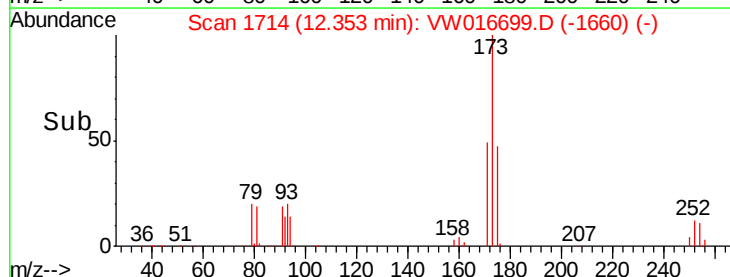
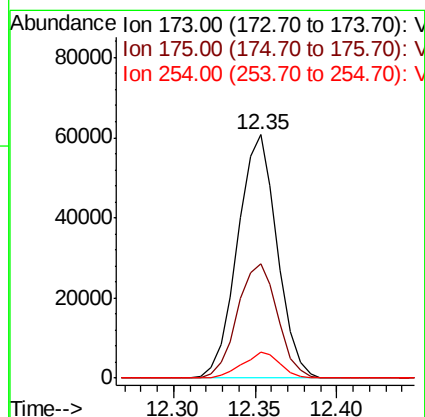
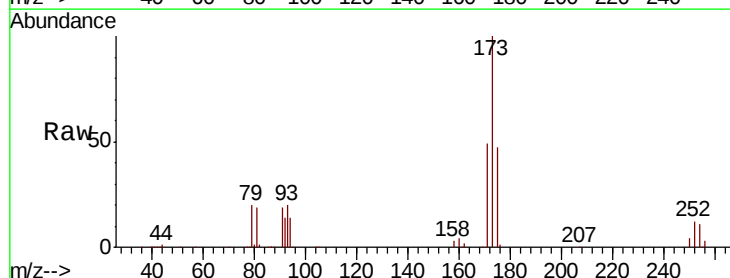
Tgt Ion: 173 Resp: 102186

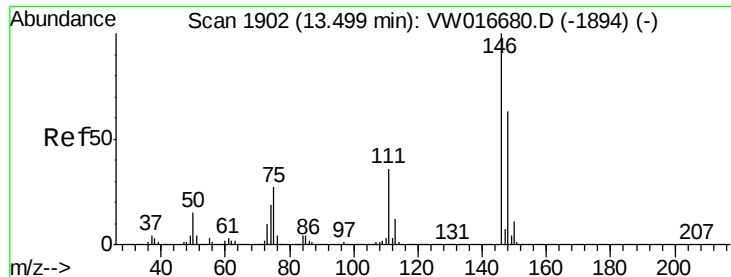
Ion Ratio Lower Upper

173 100

175 48.0 38.6 57.8

254 10.3 8.2 12.4

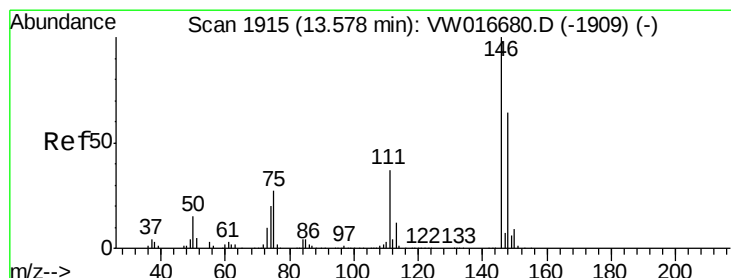
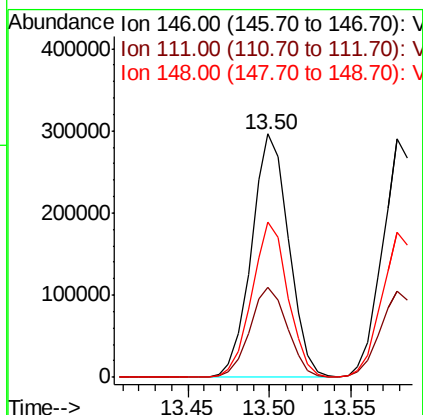
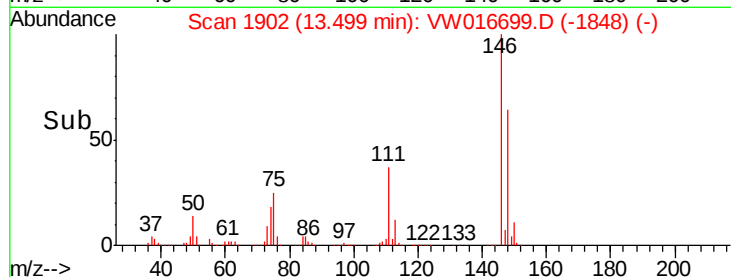
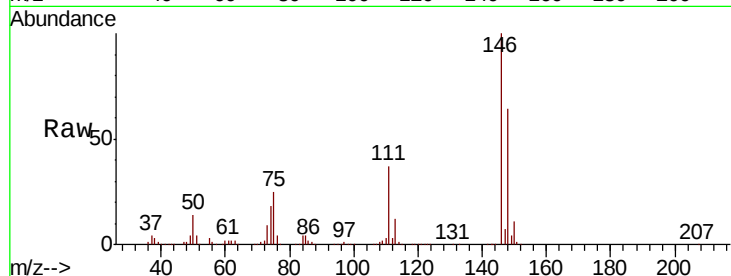




#63
 1,3-Dichlorobenzene
 Concen: 27.574 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW016699.D
 Acq: 29 Sep 2020 20:14

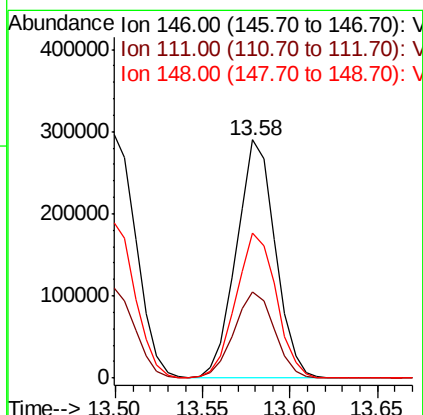
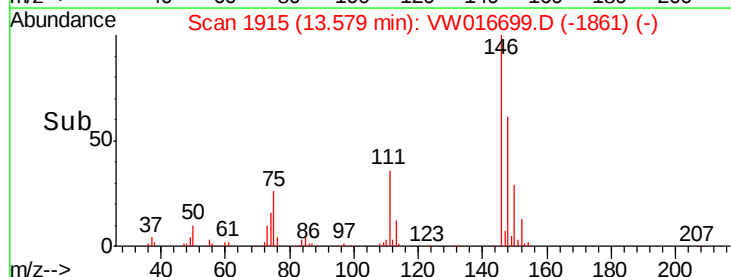
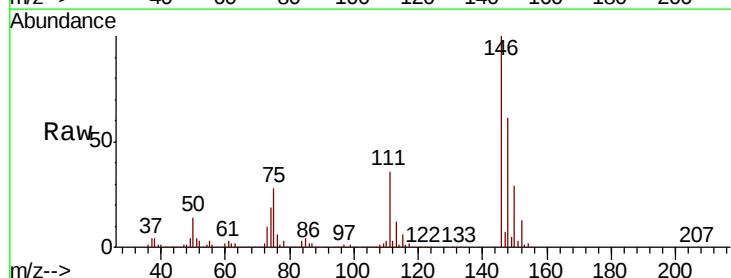
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02512

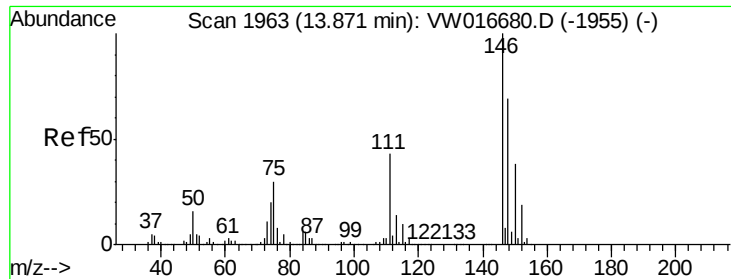
Tot Ion	Ratio	Lower	Upper
146	100		
111	37.2	25.0	46.4
148	63.9	44.0	81.8



#64
 1,4-Dichlorobenzene
 Concen: 26.914 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW016699.D
 Acq: 29 Sep 2020 20:14

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.9	25.1	46.5
148	60.7	42.3	78.5

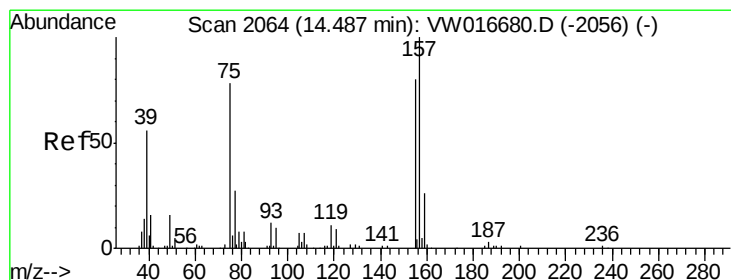
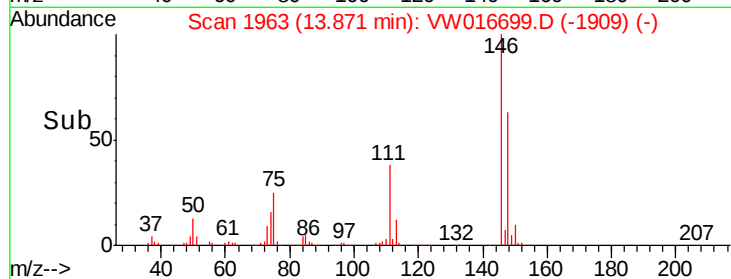
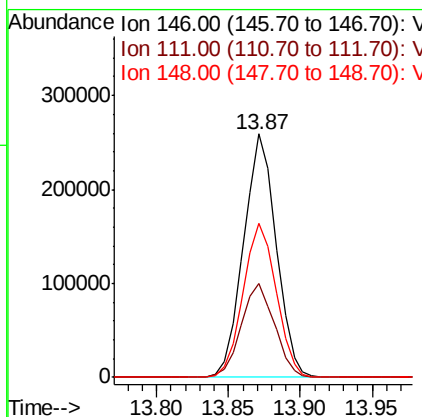
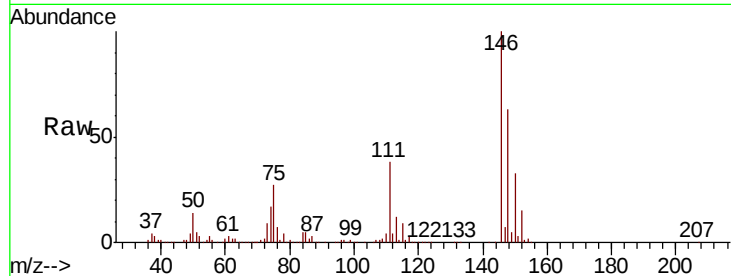




#65
 1,2-Dichlorobenzene
 Concen: 26.647 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW016699.D
 Acq: 29 Sep 2020 20:14

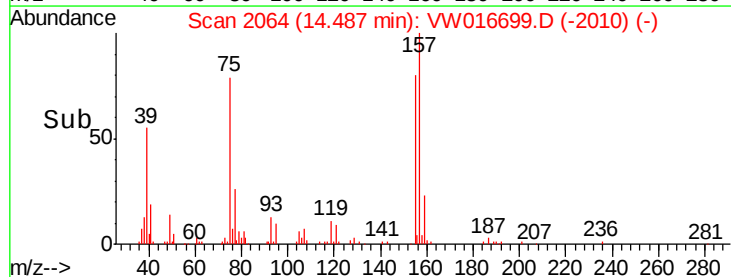
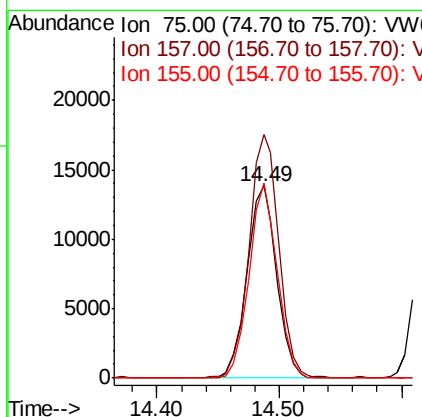
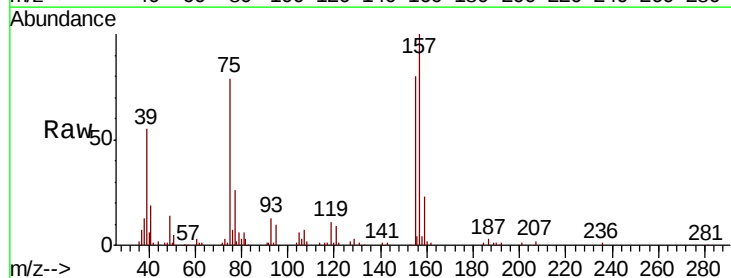
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02512

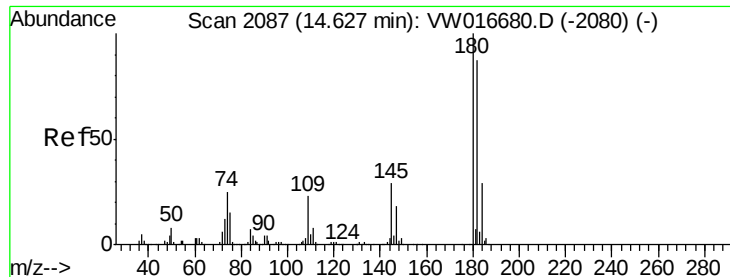
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.3	31.4	47.0
148	63.0	49.3	73.9



#66
 1,2-Dibromo-3-chloropropane
 Concen: 21.413 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW016699.D
 Acq: 29 Sep 2020 20:14

Tgt Ion	Ratio	Lower	Upper
75	100		
157	126.6	92.2	138.4
155	101.7	73.5	110.3

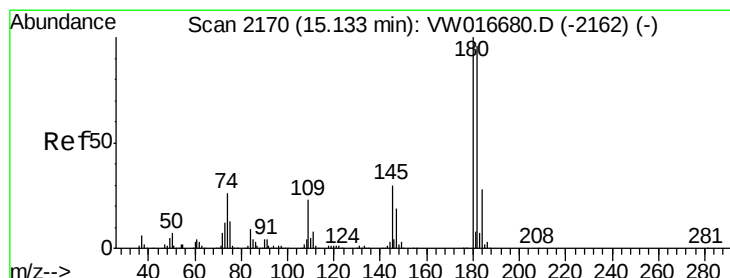
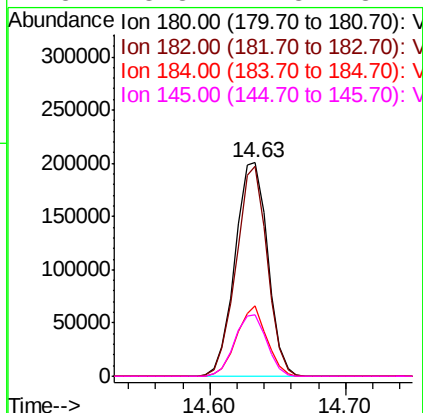
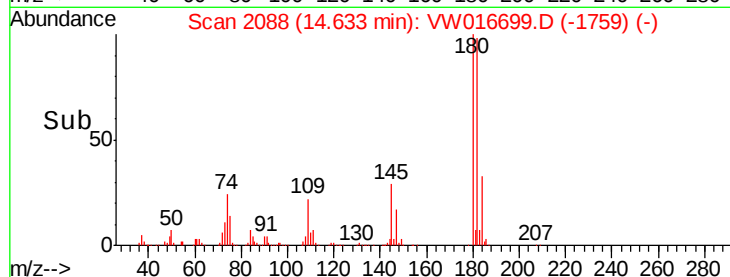
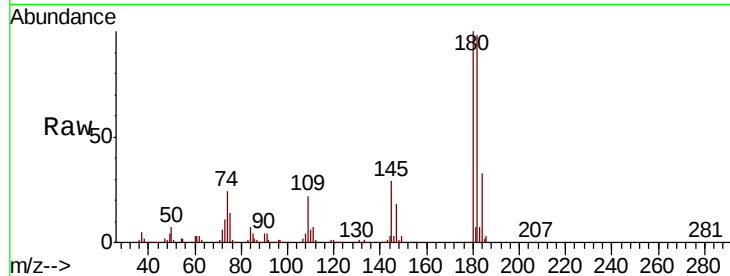




#67
 1,3,5-Trichlorobenzene
 Concen: 26.934 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. 0.01 min
 Lab File: VW016699.D
 Acq: 29 Sep 2020 20:14

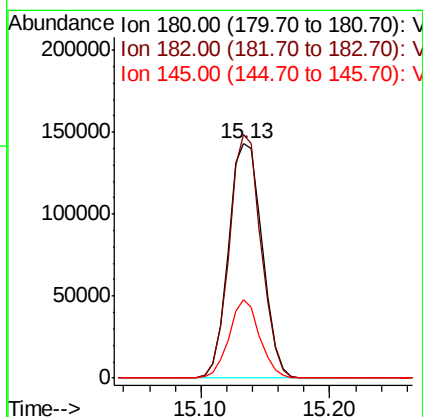
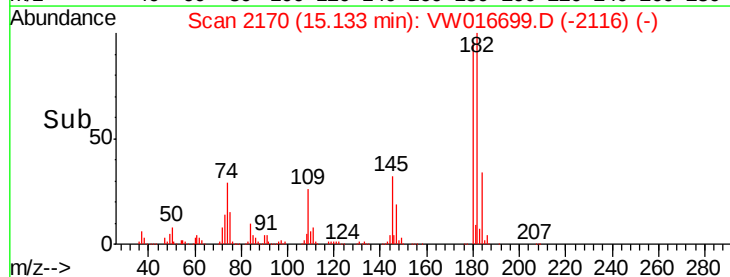
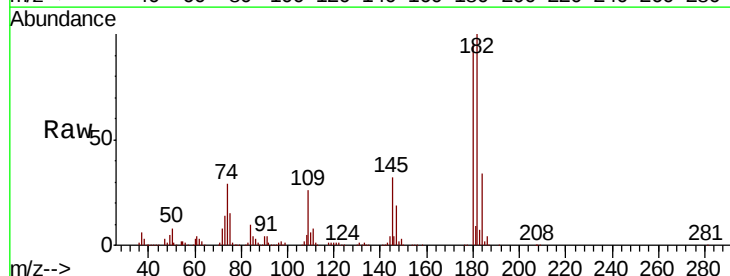
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02512

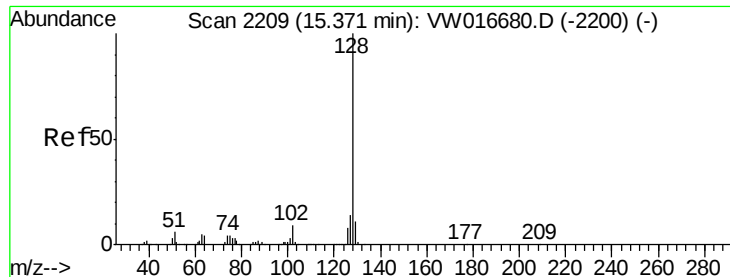
Tot Ion	Ratio	Lower	Upper
180	100		
182	93.3	73.8	110.8
184	30.1	23.7	35.5
145	28.3	22.8	34.2



#68
 1,2,4-trichlorobenzene
 Concen: 25.762 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW016699.D
 Acq: 29 Sep 2020 20:14

Tgt Ion	Ratio	Lower	Upper
180	100		
182	98.3	74.5	111.7
145	30.3	23.1	34.7





#69

Naphthalene

Concen: 24.968 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. -0.01 min

Lab File: VW016699.D

Acq: 29 Sep 2020 20:14

Instrument :

MSVOA_W

ClientSampleId :

VSTD02512

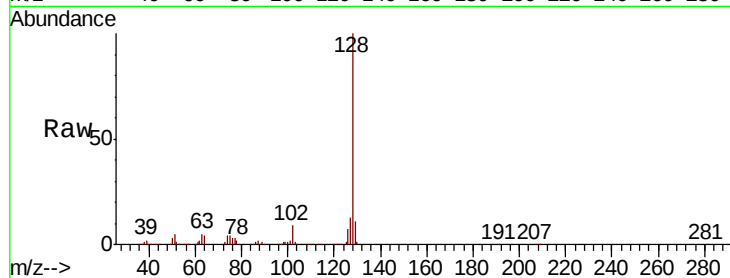
Tot Ion:128 Resp: 446308

Ion Ratio Lower Upper

128 100

129 10.5 8.9 13.3

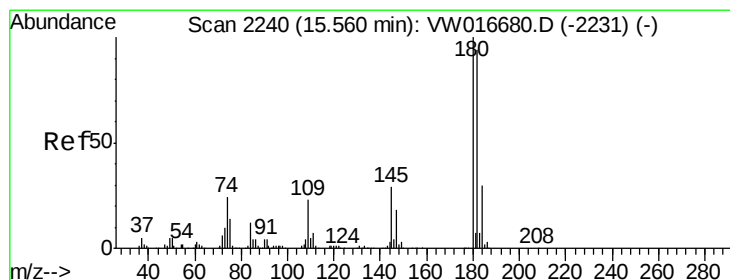
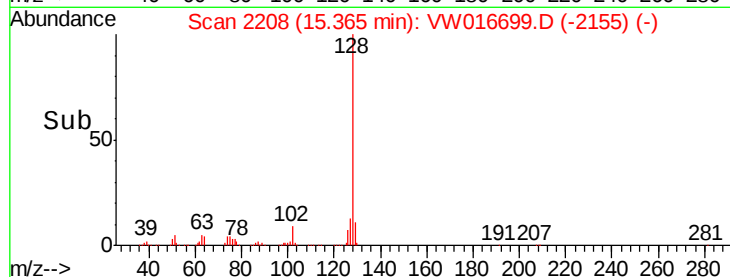
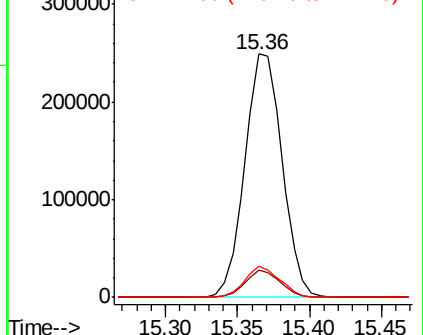
127 12.1 10.8 16.2



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



#70

1,2,3-Trichlorobenzene

Concen: 25.886 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. 0.00 min

Lab File: VW016699.D

Acq: 29 Sep 2020 20:14

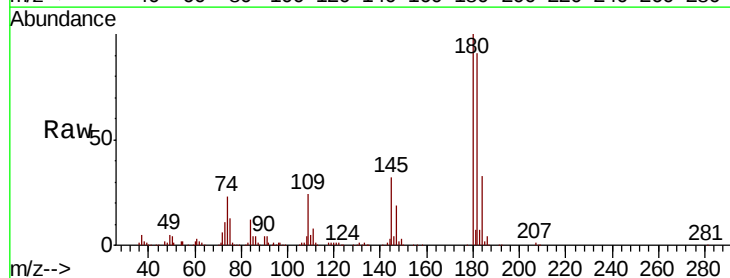
Tgt Ion:180 Resp: 224491

Ion Ratio Lower Upper

180 100

182 96.5 76.3 114.5

145 31.9 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

