

Data File : VV019423.D
Acq On : 23 Nov 2020 15:29
Operator : SY/MD
Sample : VSTDCCC50
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD05069

Quant Time: Nov 24 05:22:22 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM112320WMA.M
Quant Title : VOC Analysis
QLast Update : Mon Nov 23 14:50:28 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	379803	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	379248	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	208050	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	188144	49.60	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	99.20%
7) Chloroethane-d5	1.57	69	153579	49.75	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	99.50%
11) 1,1-Dichloroethene-d2	2.12	63	337516	49.99	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	99.98%
21) 2-Butanone-d5	3.90	46	246206	106.49	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	106.49%
24) Chloroform-d	4.37	84	312998	51.04	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.08%
26) 1,2-Dichloroethane-d4	5.05	65	204965	51.06	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.12%
32) Benzene-d6	5.07	84	598229	53.35	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.70%
36) 1,2-Dichloropropane-d6	6.09	67	197736	53.00	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	106.00%
41) Toluene-d8	7.33	98	545826	54.34	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	108.68%
43) trans-1,3-Dichloropropene-	7.64	79	97355	54.03	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	108.06%
47) 2-Hexanone-d5	8.10	63	171026	116.35	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	116.35%
57) 1,1,2,2-Tetrachloroethane-	10.23	84	253690	52.53	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	105.06%
64) 1,2-Dichlorobenzene-d4	11.64	152	212443	52.58	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	105.16%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	148663	48.426	ug/L 99
3) Chloromethane	1.25	50	203862	49.380	ug/L 100
5) Vinyl chloride	1.32	62	196772	49.883	ug/L 99
6) Bromomethane	1.52	94	127141	49.439	ug/L 98
8) Chloroethane	1.59	64	125401	49.951	ug/L 99
9) Trichlorofluoromethane	1.76	101	244449	49.356	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	128992	48.431	ug/L 99
12) 1,1-Dichloroethene	2.13	96	137084	49.437	ug/L 97
13) Acetone	2.17	43	165443	93.588	ug/L 98
14) Carbon disulfide	2.31	76	406468	50.503	ug/L 100
15) Methyl Acetate	2.44	43	184045	51.419	ug/L 100
16) Methylene chloride	2.52	84	158138	49.236	ug/L 99
17) trans-1,2-Dichloroethene	2.78	96	140968	51.400	ug/L 99
18) Methyl tert-butyl Ether	2.78	73	467973	53.661	ug/L 100
19) 1,1-Dichloroethane	3.21	63	284205	50.520	ug/L 99
20) cis-1,2-Dichloroethene	3.93	96	158099	52.458	ug/L 98
22) 2-Butanone	3.98	43	249896	106.590	ug/L 99

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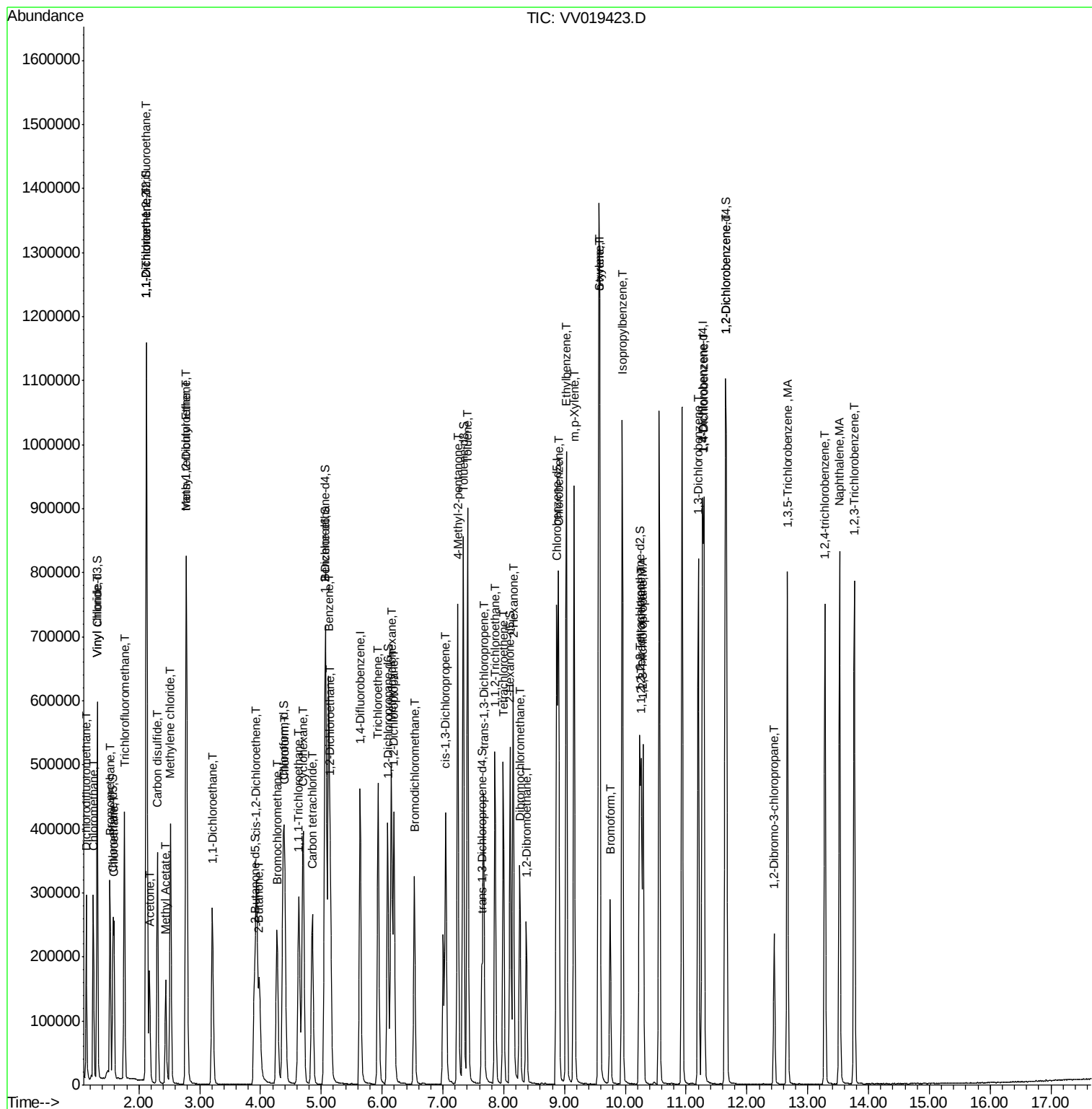
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.27	128	80645	50.524	ug/L	98
25) Chloroform	4.40	83	288299	50.697	ug/L	99
27) 1,2-Dichloroethane	5.15	62	232415	52.088	ug/L	99
29) Cyclohexane	4.70	56	216126	54.440	ug/L	99
30) 1,1,1-Trichloroethane	4.63	97	239935	52.376	ug/L	99
31) Carbon tetrachloride	4.85	117	201133	51.143	ug/L	99
33) Benzene	5.12	78	609380	53.692	ug/L	100
34) Trichloroethene	5.94	95	161646	51.072	ug/L	98
35) Methylcyclohexane	6.15	83	195928	52.607	ug/L	98
37) 1,2-Dichloropropane	6.20	63	166855	53.300	ug/L	99
38) Bromodichloromethane	6.53	83	216714	52.215	ug/L	98
39) cis-1,3-Dichloropropene	7.05	75	251702	54.433	ug/L	99
40) 4-Methyl-2-pentanone	7.24	43	492219	111.508	ug/L	99
42) Toluene	7.41	91	634674	53.907	ug/L	99
44) trans-1,3-Dichloropropene	7.67	75	251437	54.589	ug/L	98
45) 1,1,2-Trichloroethane	7.86	97	156460	53.374	ug/L	97
46) Tetrachloroethene	7.99	164	113146	51.473	ug/L	98
48) 2-Hexanone	8.15	43	388316	111.070	ug/L	99
49) Dibromochloromethane	8.26	129	167479	51.695	ug/L	98
50) 1,2-Dibromoethane	8.37	107	164211	52.784	ug/L	100
51) Chlorobenzene	8.90	112	397793	51.215	ug/L	99
52) Ethylbenzene	9.03	91	674621	53.394	ug/L	99
53) m,p-Xylene	9.16	106	250512	53.587	ug/L	98
54) o-xylene	9.56	106	247463	54.365	ug/L	99
55) Styrene	9.58	104	450193	55.250	ug/L	98
56) Isopropylbenzene	9.95	105	638621	53.551	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.26	83	236434	52.768	ug/L	99
59) 1,2,3-Trichloropropane	10.29	75	214738	52.221	ug/L	99
61) Bromoform	9.75	173	125765	52.875	ug/L	99
62) 1,3-Dichlorobenzene	11.20	146	320531	52.958	ug/L	99
63) 1,4-Dichlorobenzene	11.29	146	329573	51.807	ug/L	99
65) 1,2-Dichlorobenzene	11.66	146	324040	52.147	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.45	75	59898	55.705	ug/L	93
67) 1,3,5-Trichlorobenzene	12.67	180	239375	54.331	ug/L	99
68) 1,2,4-trichlorobenzene	13.28	180	218415	55.993	ug/L	98
69) Naphthalene	13.52	128	605704	61.064	ug/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	237459	58.239	ug/L	99

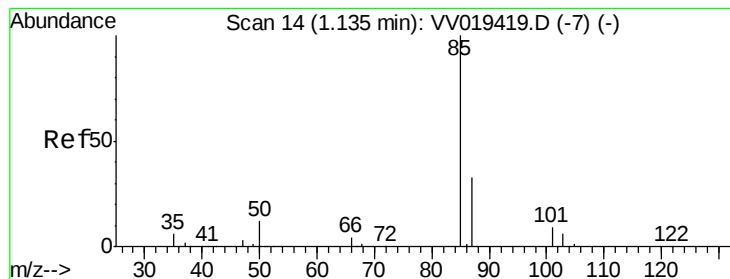
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 48.426 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

Lab File: VV019423.D

Acq: 23 Nov 2020 15:29

Instrument :

MSVOA_V

ClientSampleId :

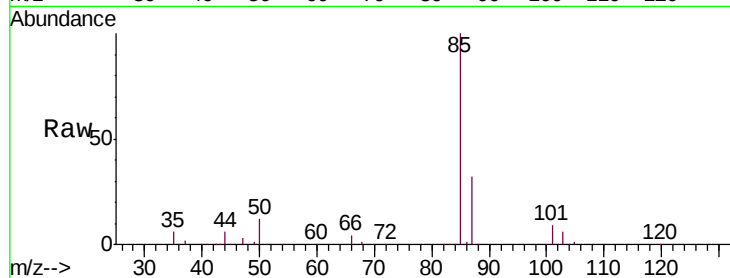
VSTD05069

Tgt Ion: 85 Resp: 148663

Ion Ratio Lower Upper

85 100

87 32.3 26.2 39.2



Abundance Ion 85.00 (84.70 to 85.70): VV019423.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VV019423.D (-1) (-)

1.14

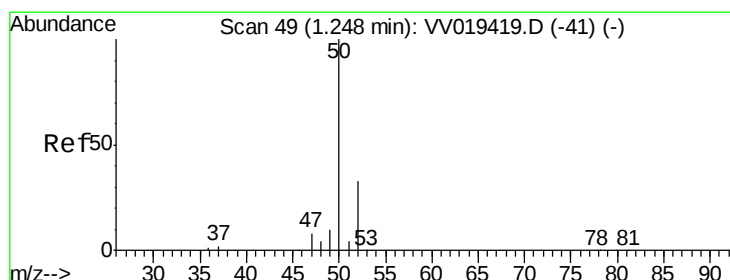
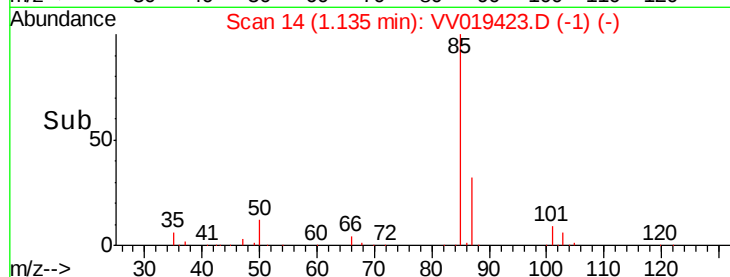
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 49.380 ug/L

RT: 1.25 min Scan# 49

Delta R.T. 0.00 min

Lab File: VV019423.D

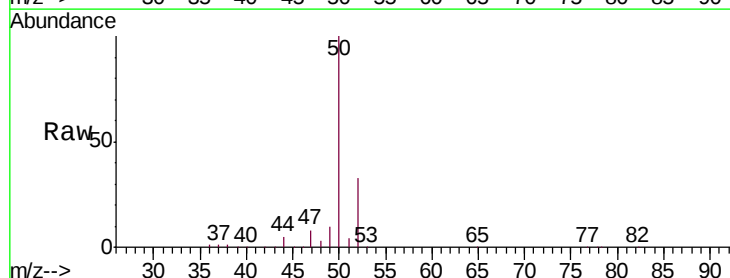
Acq: 23 Nov 2020 15:29

Tgt Ion: 50 Resp: 203862

Ion Ratio Lower Upper

50 100

52 32.9 23.0 42.8



Abundance Ion 50.00 (49.70 to 50.70): VV019423.D (-1) (-)

Ion 52.00 (51.70 to 52.70): VV019423.D (-1) (-)

1.25

200000

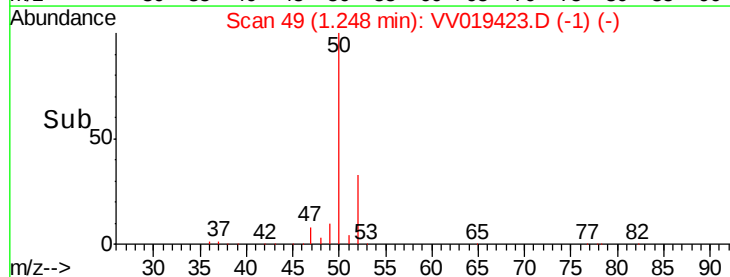
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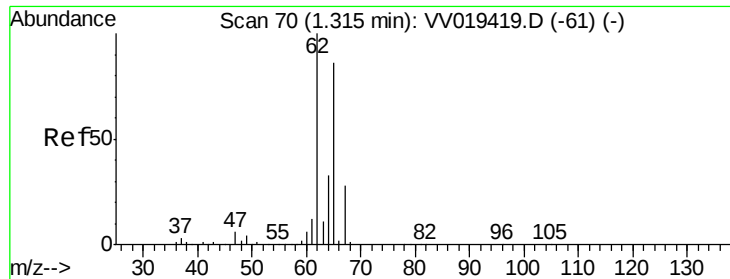
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 49.883 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV019423.D

Acq: 23 Nov 2020 15:29

Instrument :

MSVOA_V

ClientSampleId :

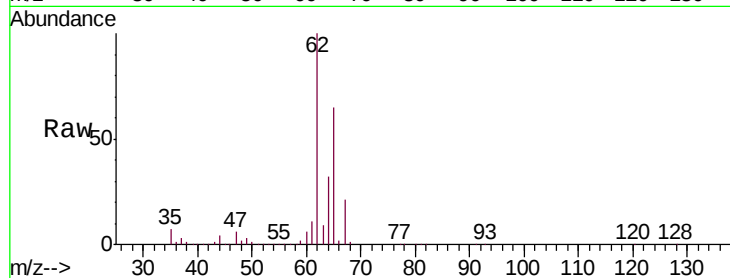
VSTD05069

Tgt Ion: 62 Resp: 196772

Ion Ratio Lower Upper

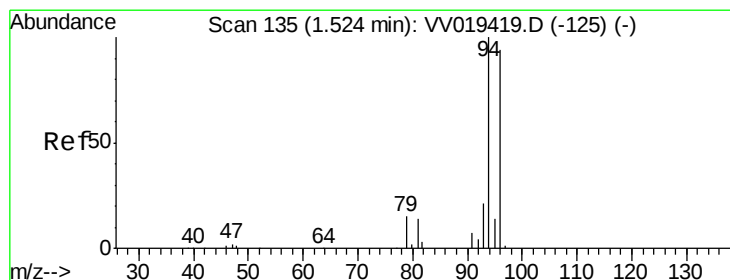
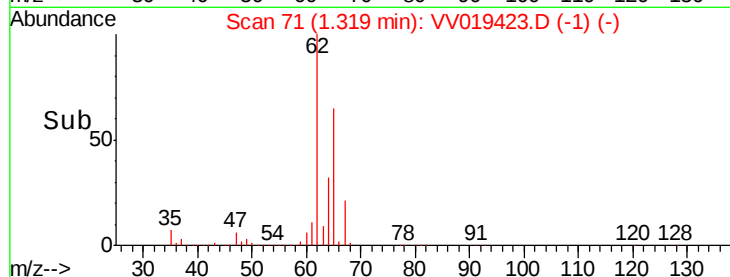
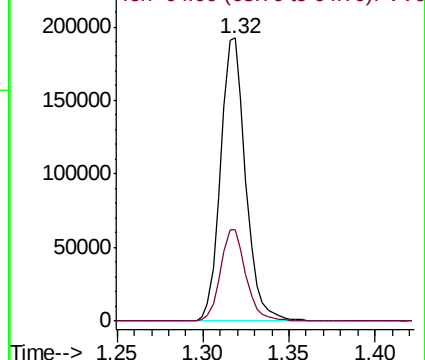
62 100

64 32.3 23.1 42.9



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#6

Bromomethane

Concen: 49.439 ug/L

RT: 1.52 min Scan# 135

Delta R.T. 0.00 min

Lab File: VV019423.D

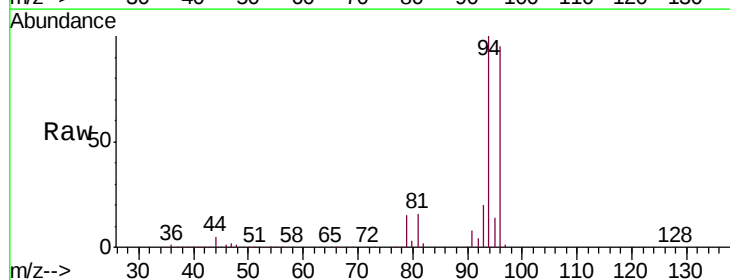
Acq: 23 Nov 2020 15:29

Tgt Ion: 94 Resp: 127141

Ion Ratio Lower Upper

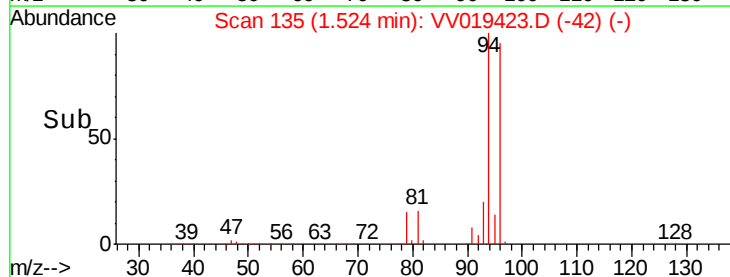
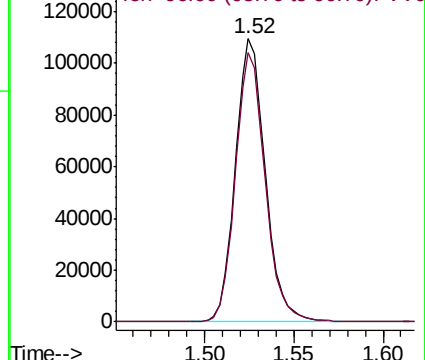
94 100

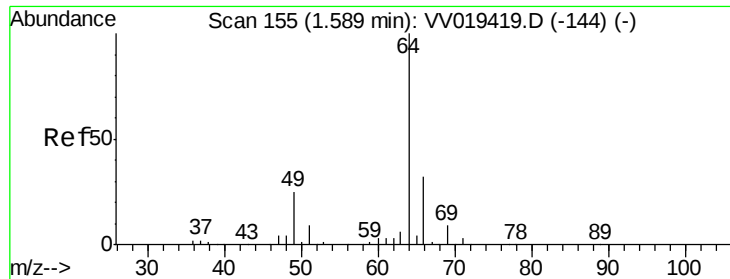
96 95.3 65.5 121.7



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 49.951 ug/L

RT: 1.59 min Scan# 156

Delta R.T. 0.00 min

Lab File: VV019423.D

Acq: 23 Nov 2020 15:29

Instrument :

MSVOA_V

ClientSampleId :

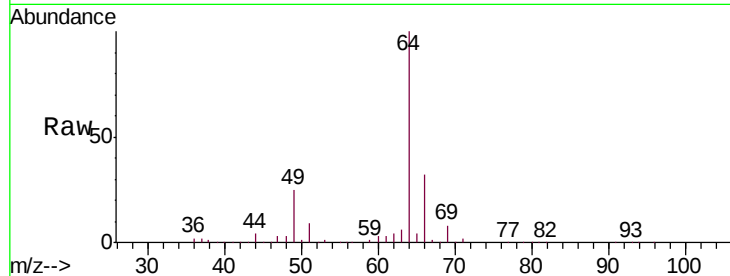
VSTD05069

Tgt Ion: 64 Resp: 125401

Ion Ratio Lower Upper

64 100

66 31.8 22.6 42.0



Abundance Ion 64.00 (63.70 to 64.70): VV019419.D (-144) (-)

Ion 66.00 (65.70 to 66.70): VV019419.D (-144) (-)

1.59

120000

100000

80000

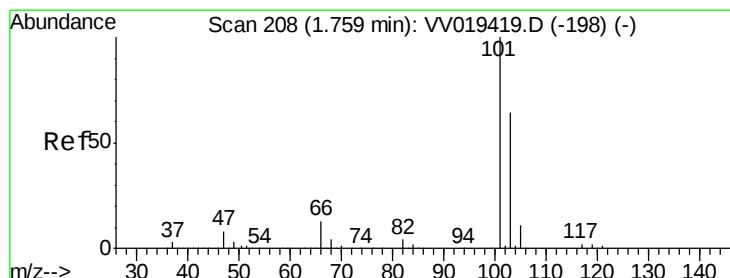
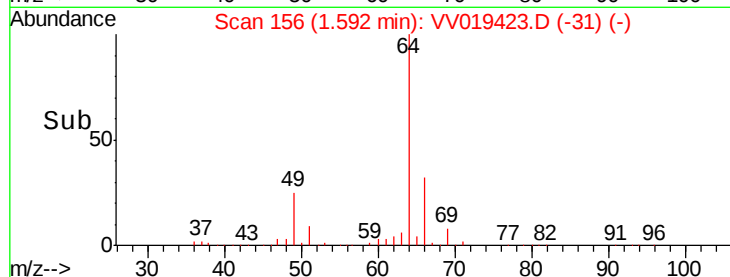
60000

40000

20000

0

Time-->



#9

Trichlorofluoromethane

Concen: 49.356 ug/L

RT: 1.76 min Scan# 209

Delta R.T. 0.00 min

Lab File: VV019423.D

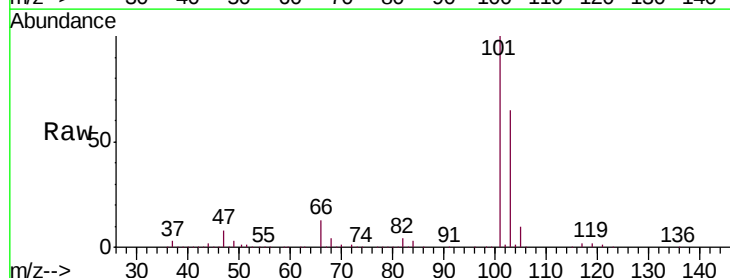
Acq: 23 Nov 2020 15:29

Tgt Ion: 101 Resp: 244449

Ion Ratio Lower Upper

101 100

103 64.9 51.8 77.8



Abundance Ion 101.00 (100.70 to 101.70): VV019419.D (-198) (-)

Ion 103.00 (102.70 to 103.70): VV019419.D (-198) (-)

1.76

200000

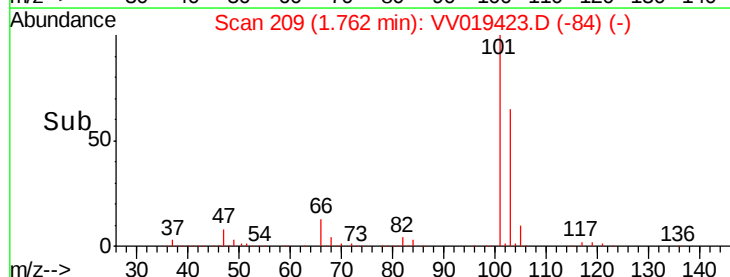
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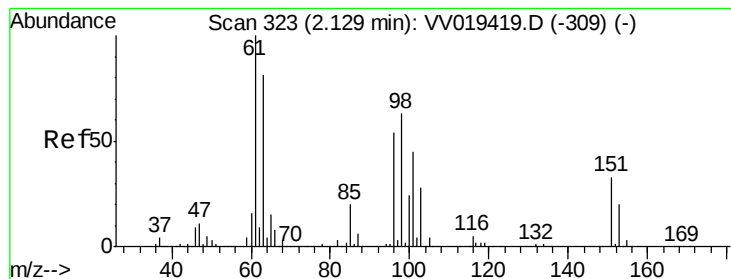
100000

50000

0

Time-->





#10

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

Concen: 48.431 ug/L

RT: 2.13 min Scan# 323

Delta R.T. 0.00 min

Lab File: VV019423.D

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Instrument :

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VSTD05069

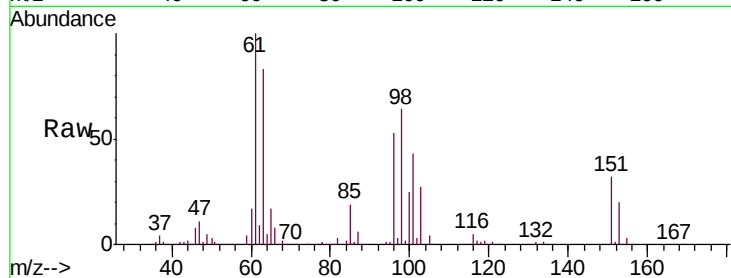
Tgt Ion: 101 Resp: 128992

Ion Ratio Lower Upper

101 100

85 43.7 35.5 53.3

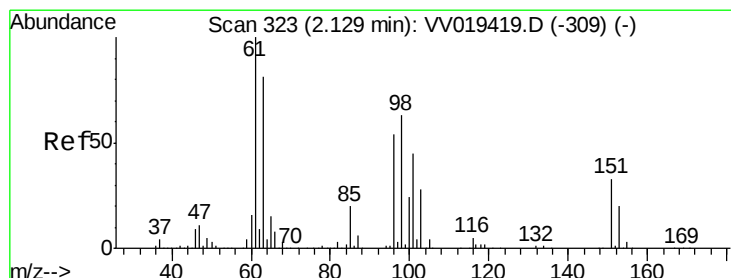
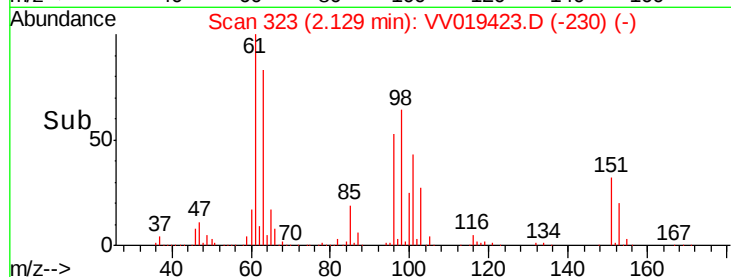
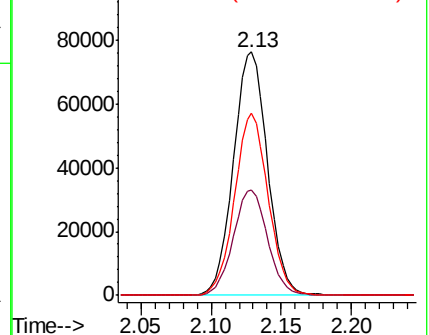
151 73.8 58.9 88.3



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 49.437 ug/L

RT: 2.13 min Scan# 323

Delta R.T. 0.00 min

Lab File: VV019423.D

Acq: 23 Nov 2020 15:29

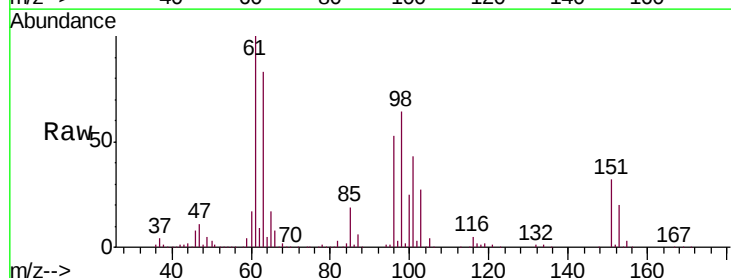
Tgt Ion: 96 Resp: 137084

Ion Ratio Lower Upper

96 100

61 187.6 130.0 241.4

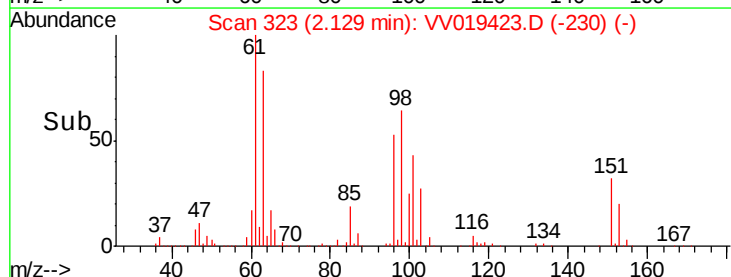
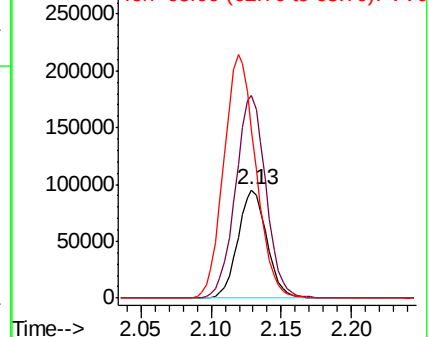
63 155.5 105.1 195.3

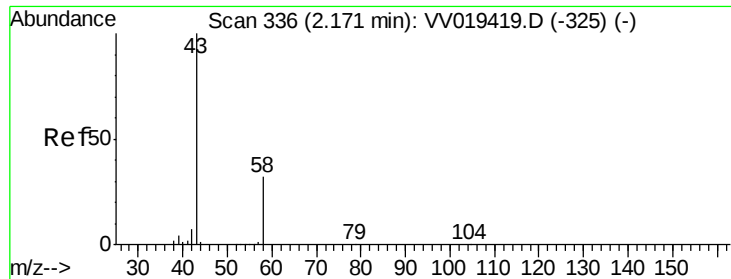


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 93.588 ug/L

RT: 2.17 min Scan# 337

Delta R.T. 0.00 min

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ClientSampleId :

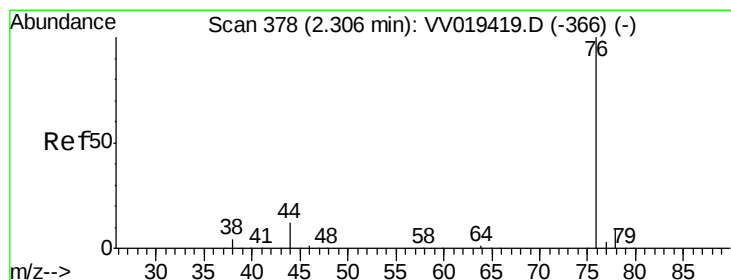
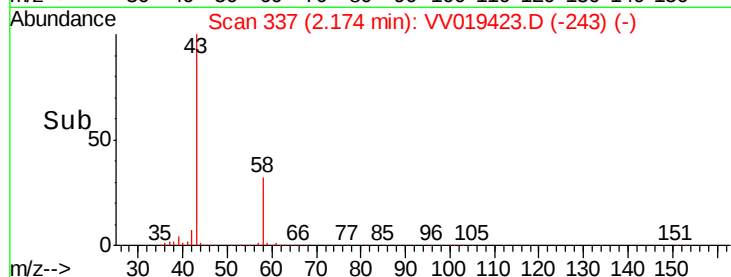
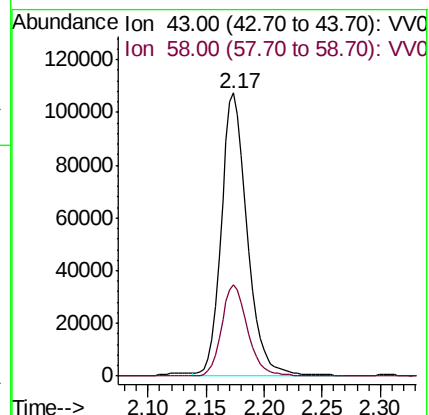
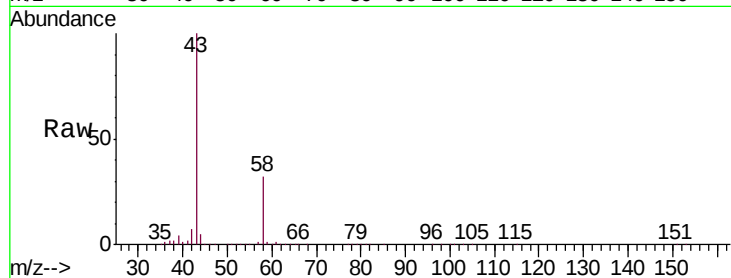
VSTD05069

Tgt Ion: 43 Resp: 165443

Ion Ratio Lower Upper

43 100

58 32.2 0.0 66.4



#14

Carbon disulfide

Concen: 50.503 ug/L

RT: 2.31 min Scan# 378

Delta R.T. 0.00 min

Lab File: VV019423.D

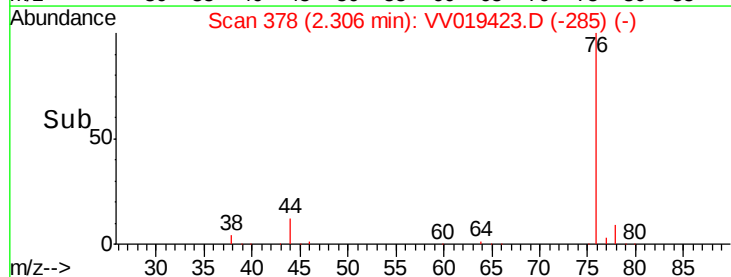
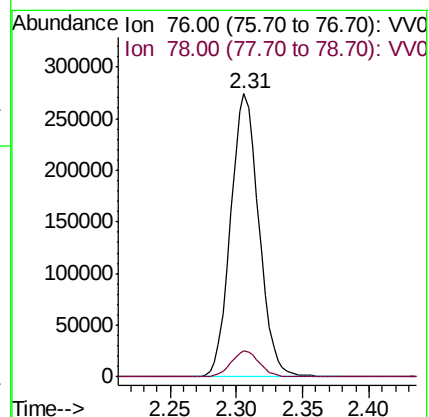
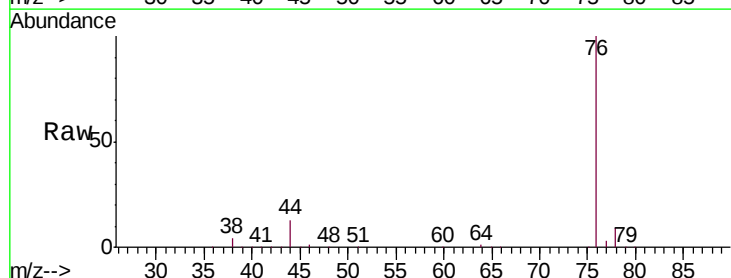
Acq: 23 Nov 2020 15:29

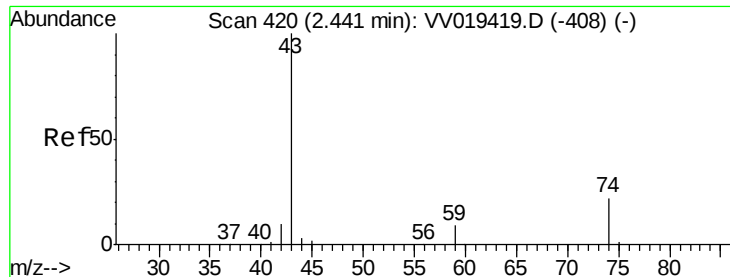
Tgt Ion: 76 Resp: 406468

Ion Ratio Lower Upper

76 100

78 9.2 7.4 11.0

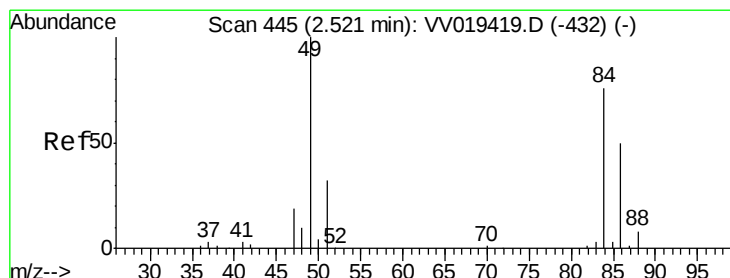
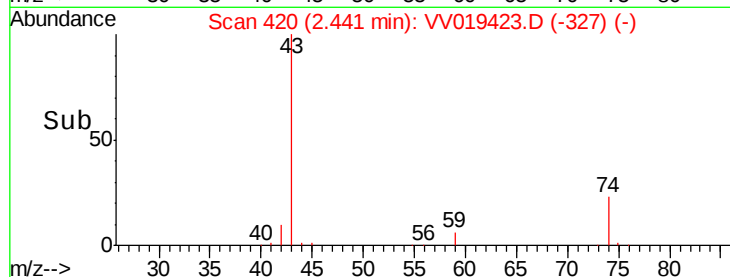
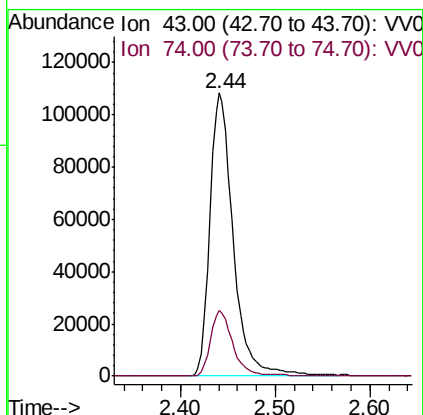
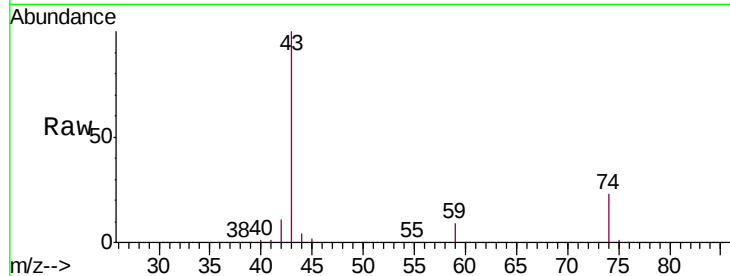




#15
Methyl Acetate
Concen: 51.419 ug/L
RT: 2.44 min Scan# 420
Delta R.T. 0.00 min
Lab File: VV019423.D
Acq: 23 Nov 2020 15:29

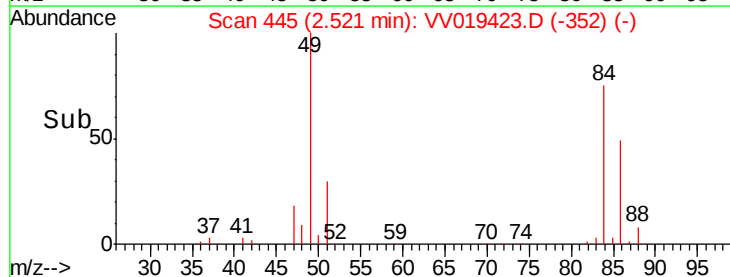
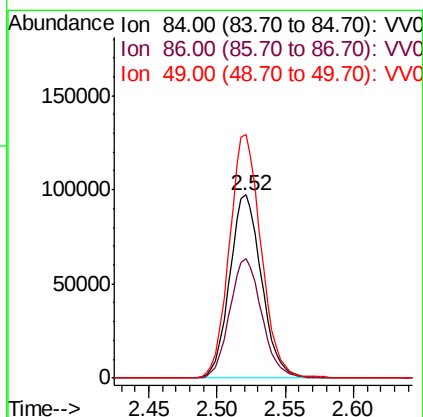
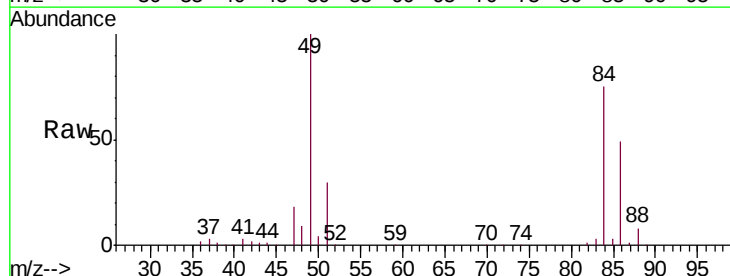
Instrument :
MSVOA_V
ClientSampleId :
VSTD05069

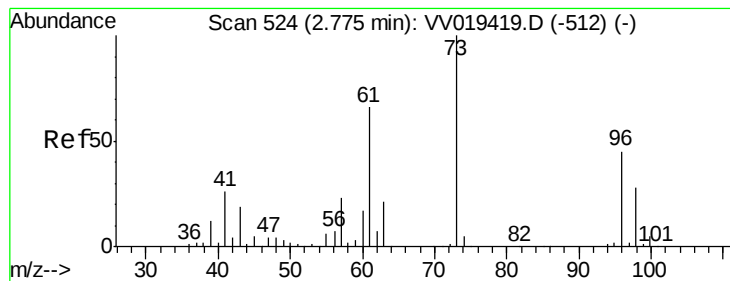
Tgt Ion: 43 Resp: 184045
Ion Ratio Lower Upper
43 100
74 22.1 17.8 26.8



#16
Methylene chloride
Concen: 49.236 ug/L
RT: 2.52 min Scan# 445
Delta R.T. 0.00 min
Lab File: VV019423.D
Acq: 23 Nov 2020 15:29

Tgt Ion: 84 Resp: 158138
Ion Ratio Lower Upper
84 100
86 64.8 45.8 85.2
49 132.8 92.0 170.9





#17

trans-1,2-Dichloroethene

Concen: 51.400 ug/L

RT: 2.78 min Scan# 524

Delta R.T. -0.00 min

Lab File: VV019423.D

Acq: 23 Nov 2020 15:29

Instrument :

MSVOA_V

ClientSampleId :

VSTD05069

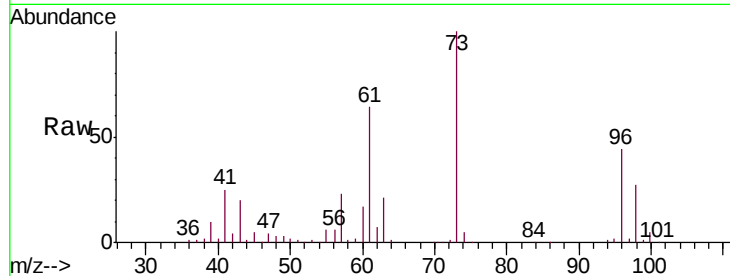
Tgt Ion: 96 Resp: 140968

Ion Ratio Lower Upper

96 100

61 147.0 103.7 192.5

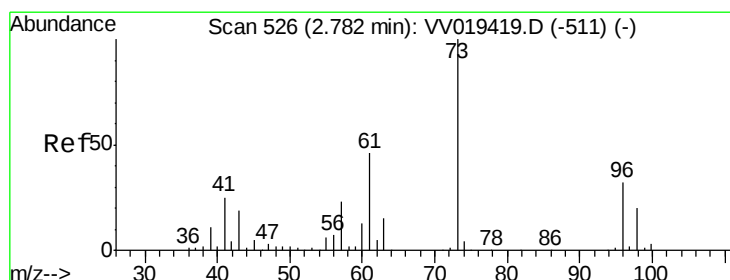
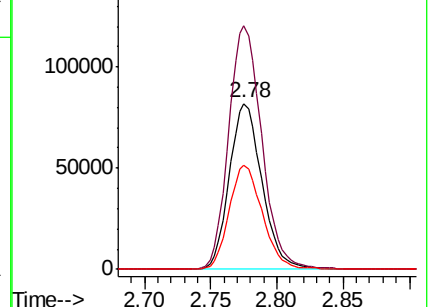
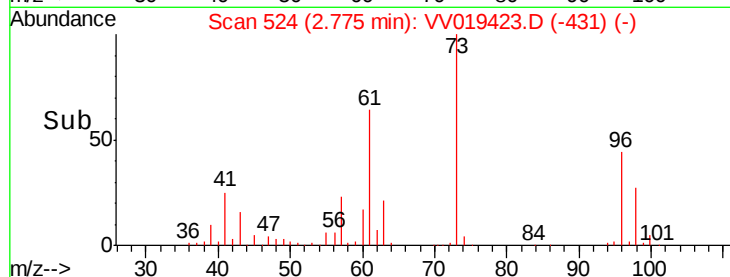
98 62.9 44.0 81.6



Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 98.00 (97.70 to 98.70): VV0



#18

Methyl tert-butyl Ether

Concen: 53.661 ug/L

RT: 2.78 min Scan# 527

Delta R.T. 0.00 min

Lab File: VV019423.D

Acq: 23 Nov 2020 15:29

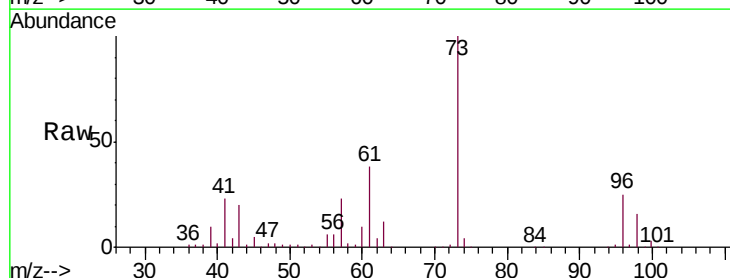
Tgt Ion: 73 Resp: 467973

Ion Ratio Lower Upper

73 100

43 19.5 15.6 23.4

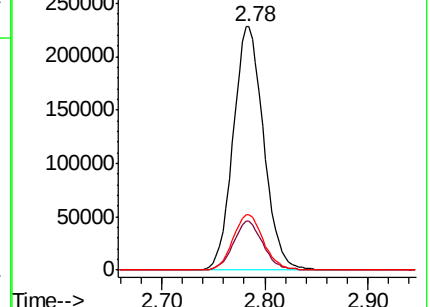
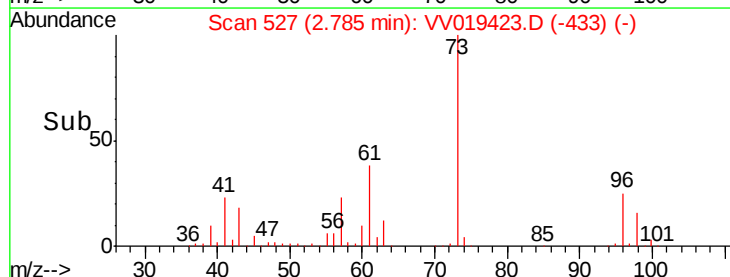
57 22.9 18.3 27.5

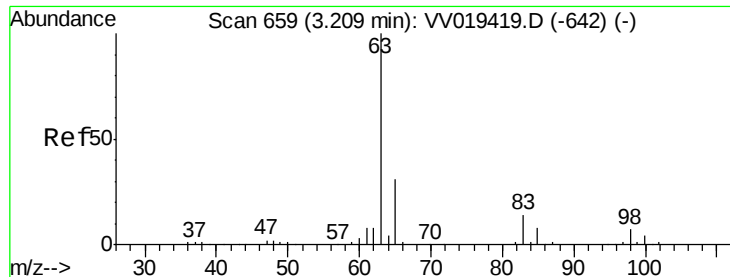


Abundance Ion 73.00 (72.70 to 73.70): VV0

Ion 43.00 (42.70 to 43.70): VV0

Ion 57.00 (56.70 to 57.70): VV0

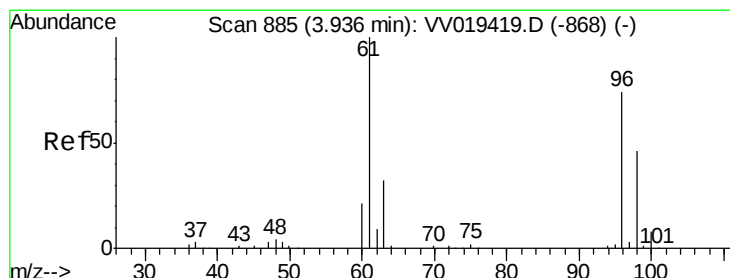
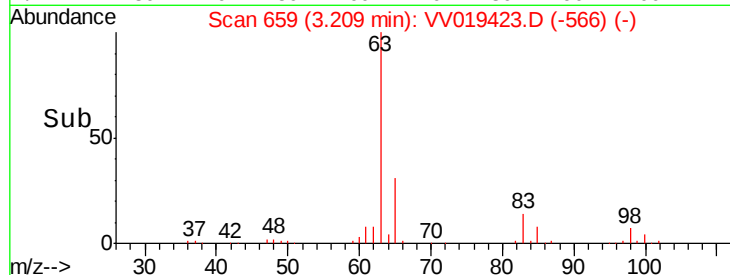
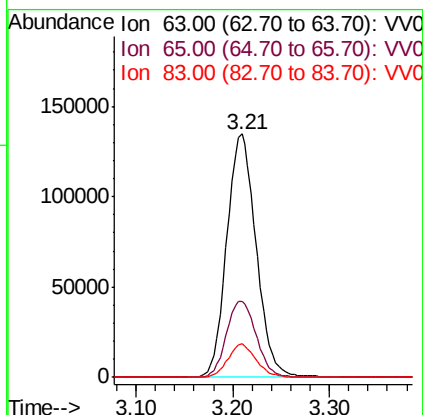
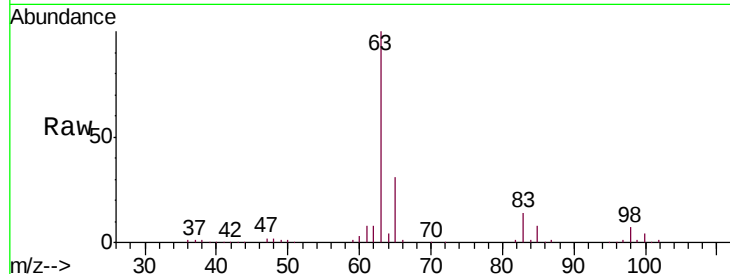




#19
1,1-Dichloroethane
Concen: 50.520 ug/L
RT: 3.21 min Scan# 659
Delta R.T. -0.00 min
Lab File: VV019423.D
Acq: 23 Nov 2020 15:29

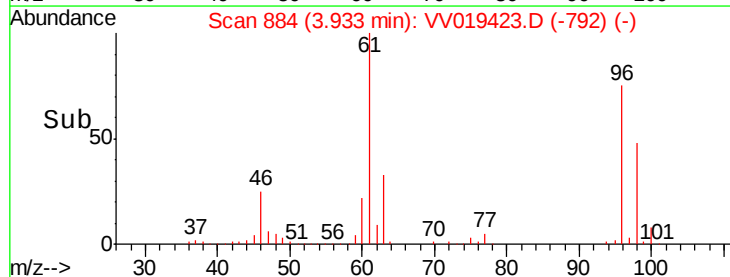
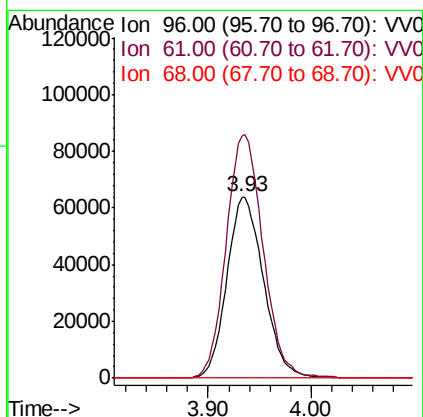
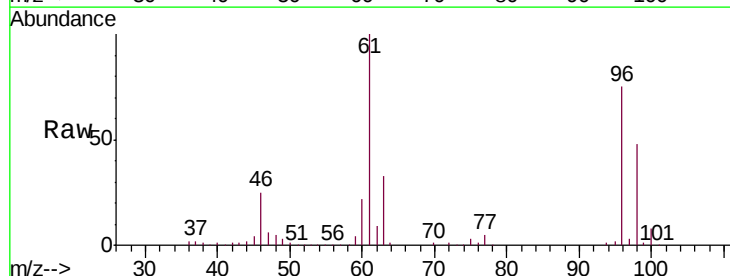
Instrument :
MSVOA_V
ClientSampleId :
VSTD05069

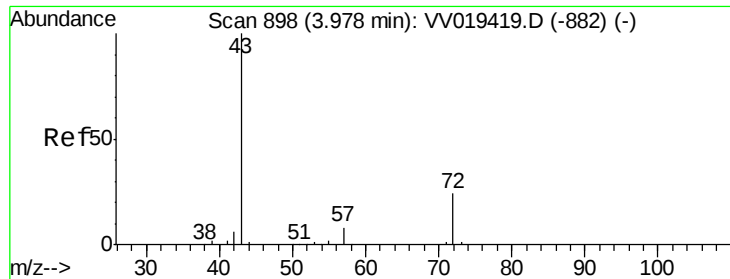
Tgt Ion: 63 Resp: 284205
Ion Ratio Lower Upper
63 100
65 31.4 21.8 40.4
83 13.7 9.8 18.2



#20
cis-1,2-Dichloroethene
Concen: 52.458 ug/L
RT: 3.93 min Scan# 884
Delta R.T. -0.00 min
Lab File: VV019423.D
Acq: 23 Nov 2020 15:29

Tgt Ion: 96 Resp: 158099
Ion Ratio Lower Upper
96 100
61 133.7 95.5 177.3
68 0.0 0.0 0.0





#22

2-Butanone

Concen: 106.590 ug/L

RT: 3.98 min Scan# 899

Delta R.T. 0.00 min

Lab File: VV019423.D

Acq: 23 Nov 2020 15:29

Instrument :

MSVOA_V

ClientSampleId :

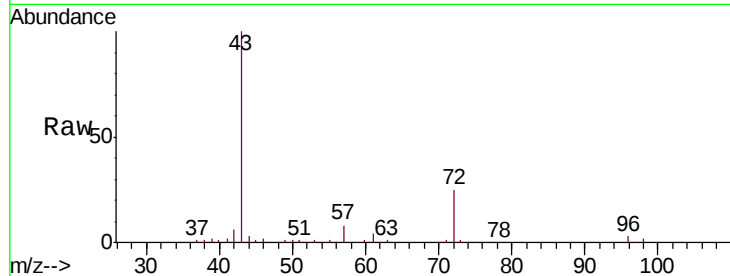
VSTD05069

Tgt Ion: 43 Resp: 249896

Ion Ratio Lower Upper

43 100

72 25.8 12.7 38.1



Abundance Ion 43.00 (42.70 to 43.70): VV019419.D (-882) (-)

Ion 72.00 (71.70 to 72.70): VV019419.D (-882) (-)

3.98

100000

80000

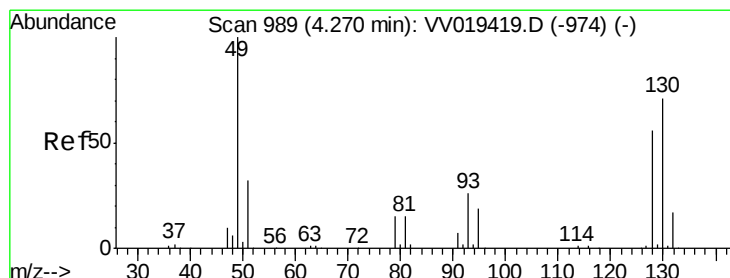
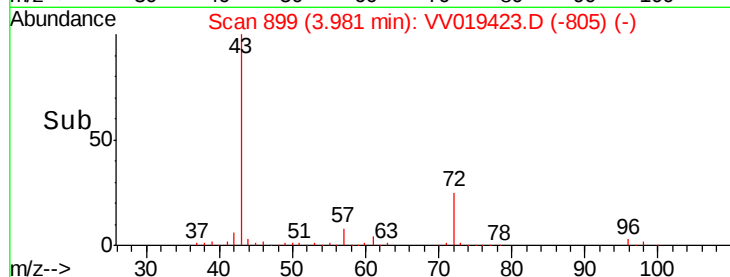
60000

40000

20000

0

Time-->



#23

Bromochloromethane

Concen: 50.524 ug/L

RT: 4.27 min Scan# 989

Delta R.T. -0.00 min

Lab File: VV019423.D

Acq: 23 Nov 2020 15:29

Tgt Ion: 128 Resp: 80645

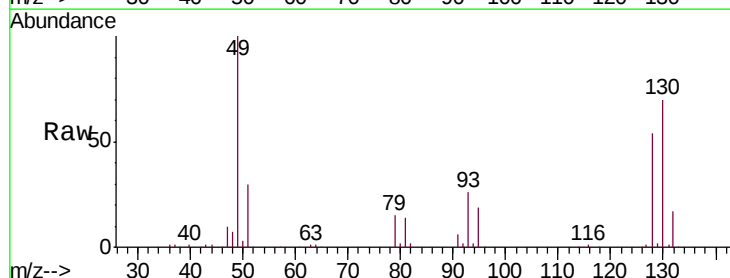
Ion Ratio Lower Upper

128 100

49 184.4 126.1 234.1

130 128.8 89.4 166.0

51 55.8 46.5 69.7



Abundance Ion 128.00 (127.70 to 128.70): VV019419.D (-974) (-)

Ion 49.00 (48.70 to 49.70): VV019419.D (-974) (-)

Ion 130.00 (129.70 to 130.70): VV019419.D (-974) (-)

Ion 51.00 (50.70 to 51.70): VV019419.D (-974) (-)

80000

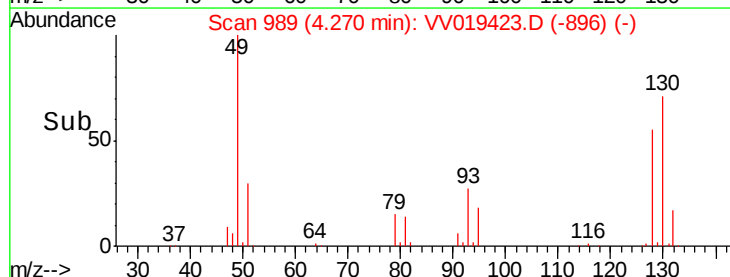
60000

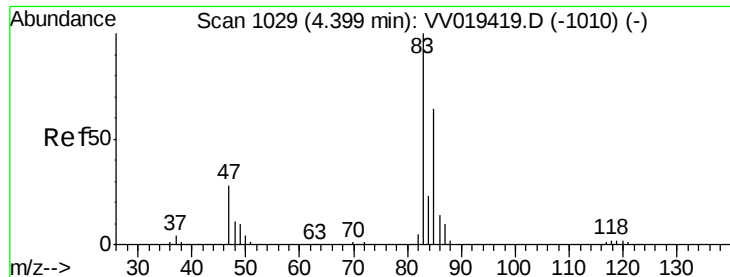
40000

20000

0

Time-->

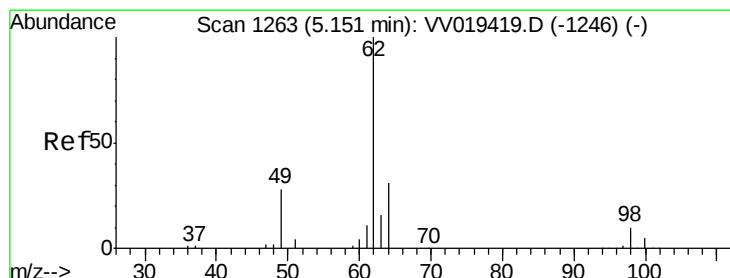
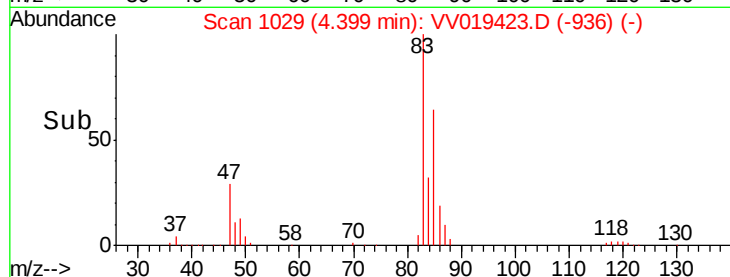
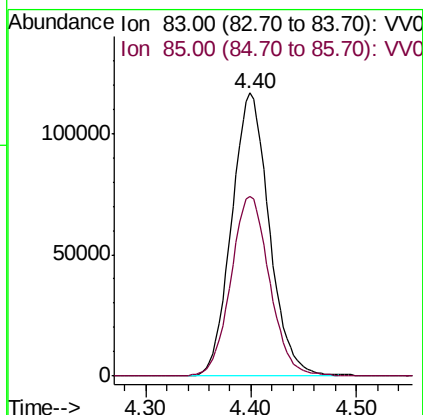
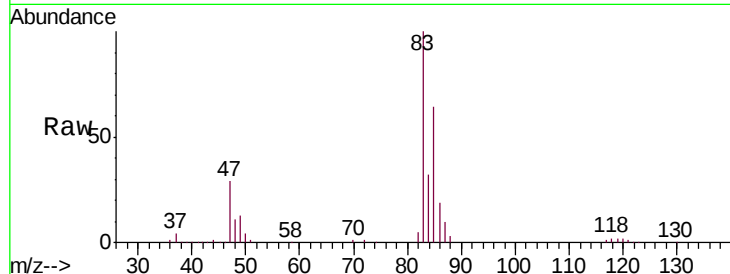




#25
 Chloroform
 Concen: 50.697 ug/L
 RT: 4.40 min Scan# 1029
 Delta R.T. 0.00 min
 Lab File: VV019423.D
 Acq: 23 Nov 2020 15:29

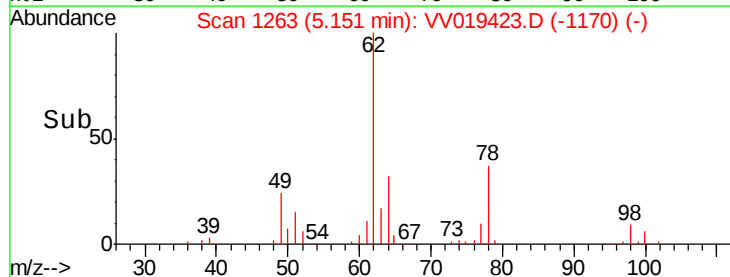
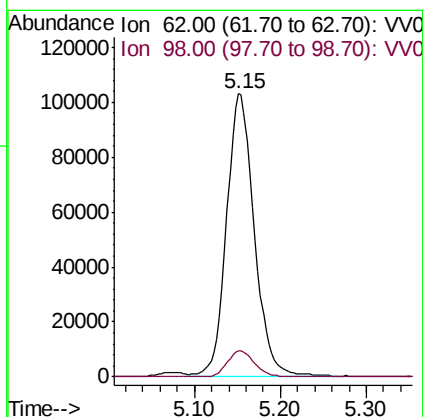
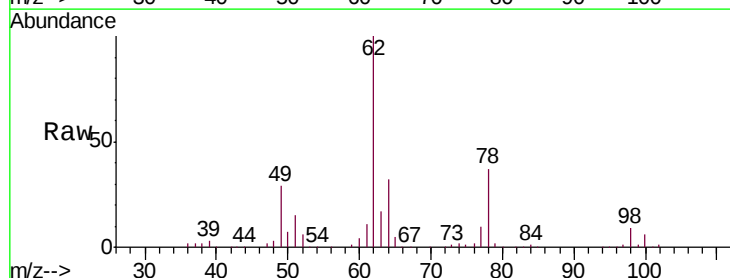
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05069

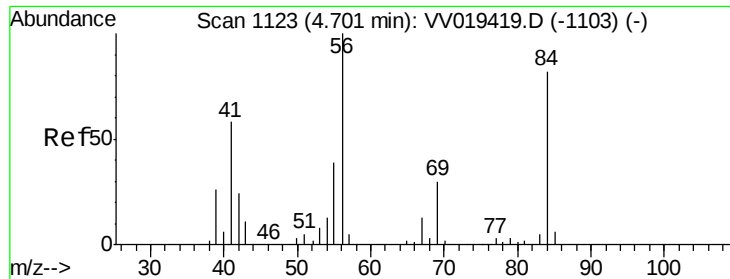
Tgt Ion: 83 Resp: 288299
 Ion Ratio Lower Upper
 83 100
 85 63.7 45.1 83.9



#27
 1,2-Dichloroethane
 Concen: 52.088 ug/L
 RT: 5.15 min Scan# 1263
 Delta R.T. 0.00 min
 Lab File: VV019423.D
 Acq: 23 Nov 2020 15:29

Tgt Ion: 62 Resp: 232415
 Ion Ratio Lower Upper
 62 100
 98 9.3 7.6 11.4

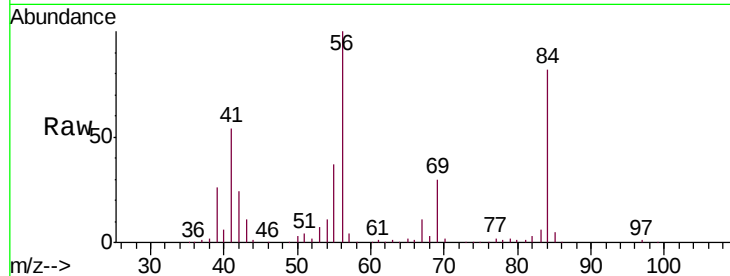




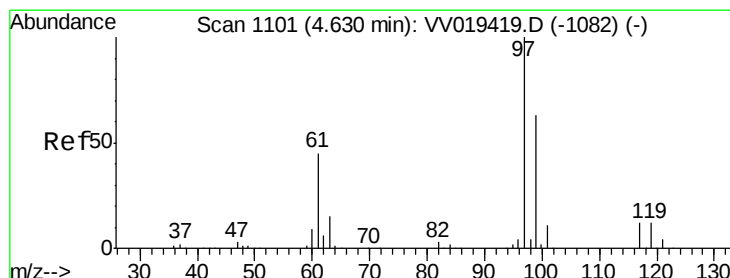
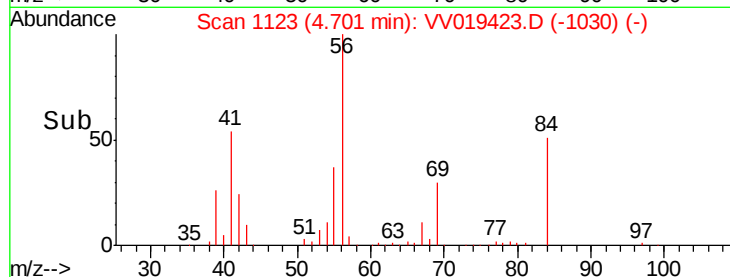
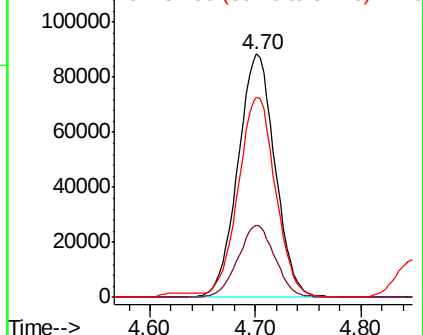
#29
Cyclohexane
Concen: 54.440 ug/L
RT: 4.70 min Scan# 1123
Delta R.T. 0.00 min
Lab File: VV019423.D
Acq: 23 Nov 2020 15:29

Instrument :
MSVOA_V
ClientSampleId :
VSTD05069

Tgt Ion: 56 Resp: 216126
Ion Ratio Lower Upper
56 100
69 29.5 23.8 35.8
84 82.6 67.0 100.6

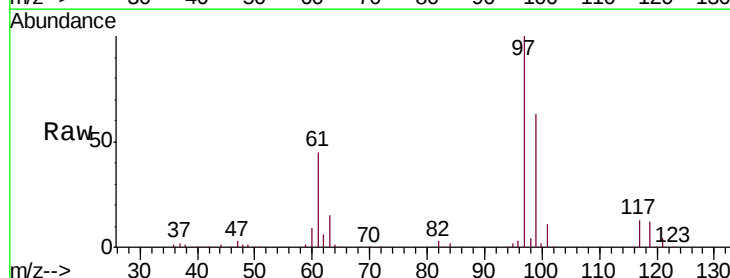


Abundance Ion 56.00 (55.70 to 56.70): VV0
Ion 69.00 (68.70 to 69.70): VV0
Ion 84.00 (83.70 to 84.70): VV0

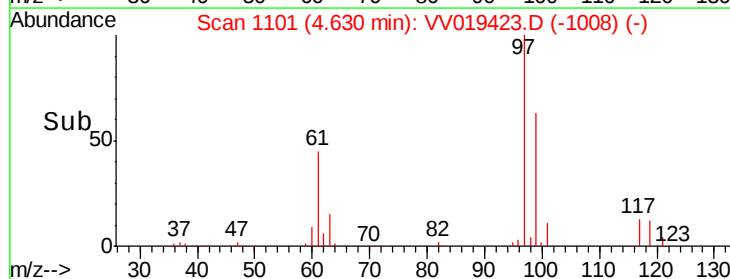
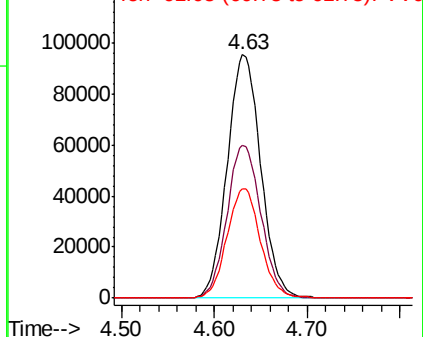


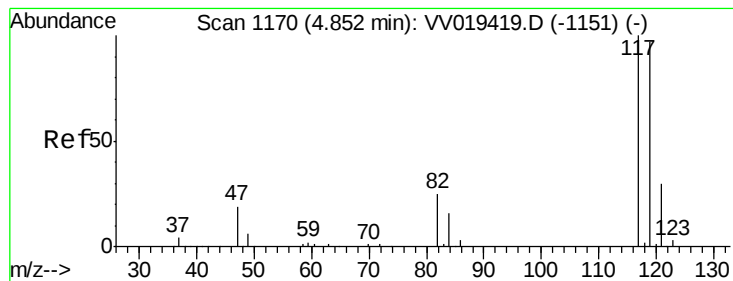
#30
1,1,1-Trichloroethane
Concen: 52.376 ug/L
RT: 4.63 min Scan# 1101
Delta R.T. 0.00 min
Lab File: VV019423.D
Acq: 23 Nov 2020 15:29

Tgt Ion: 97 Resp: 239935
Ion Ratio Lower Upper
97 100
99 63.3 51.0 76.6
61 44.8 36.9 55.3



Abundance Ion 97.00 (96.70 to 97.70): VV0
Ion 99.00 (98.70 to 99.70): VV0
Ion 61.05 (60.75 to 61.75): VV0





#31

Carbon tetrachloride

Concen: 51.143 ug/L

RT: 4.85 min Scan# 1170

Delta R.T. 0.00 min

Lab File: VV019423.D

Acq: 23 Nov 2020 15:29

Instrument :

MSVOA_V

ClientSampleId :

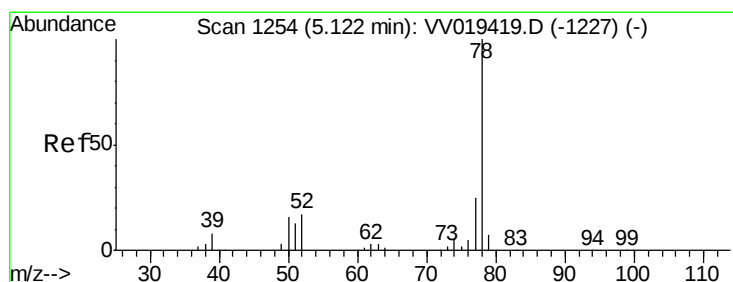
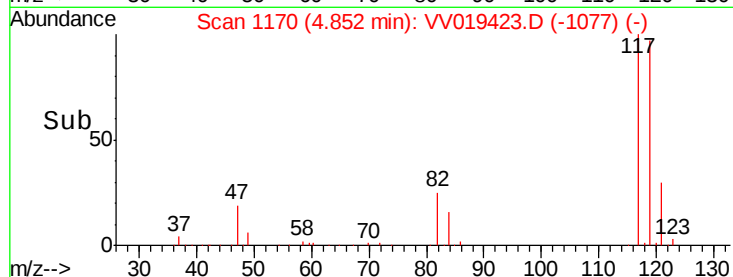
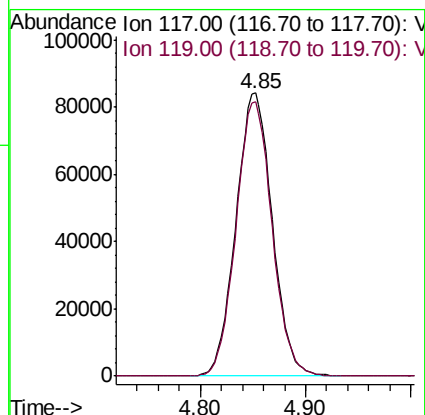
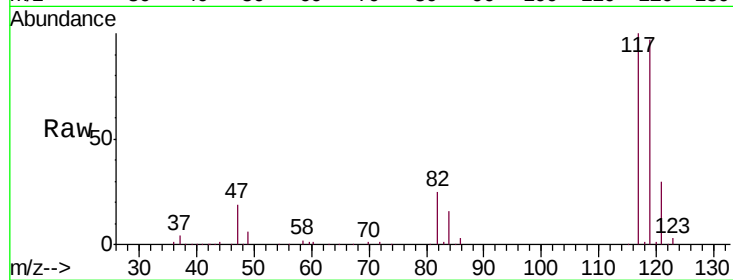
VSTD05069

Tgt Ion:117 Resp: 201133

Ion Ratio Lower Upper

117 100

119 96.3 76.2 114.4



#33

Benzene

Concen: 53.692 ug/L

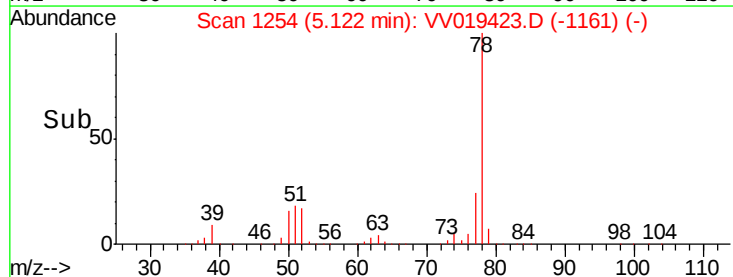
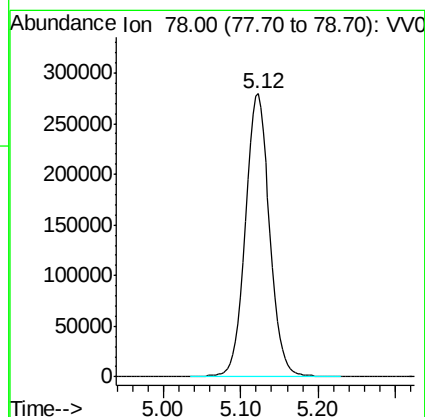
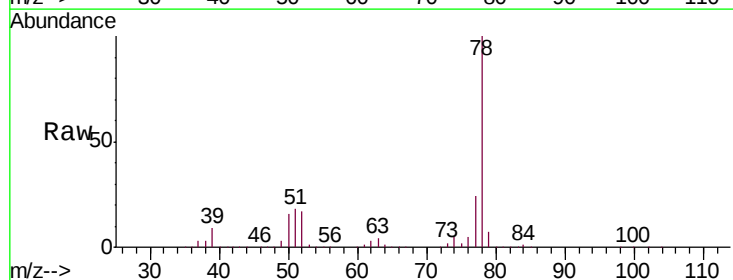
RT: 5.12 min Scan# 1254

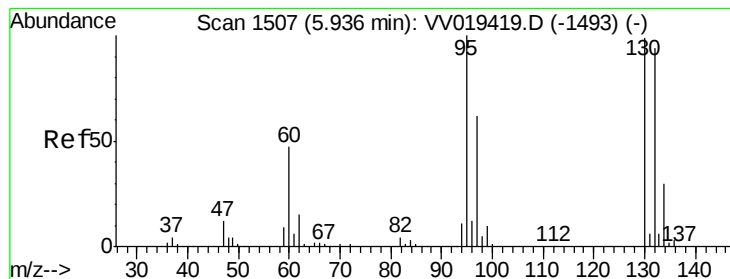
Delta R.T. 0.00 min

Lab File: VV019423.D

Acq: 23 Nov 2020 15:29

Tgt Ion: 78 Resp: 609380





#34

Trichloroethene

Concen: 51.072 ug/L

RT: 5.94 min Scan# 1507

Delta R.T. 0.00 min

Lab File: VV019423.D

Acq: 23 Nov 2020 15:29

Instrument :

MSVOA_V

ClientSampleId :

VSTD05069

Tgt Ion: 95 Resp: 161646

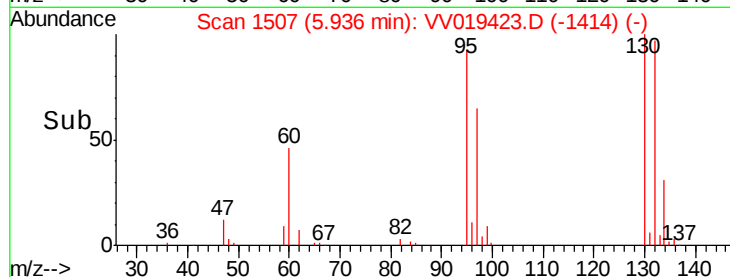
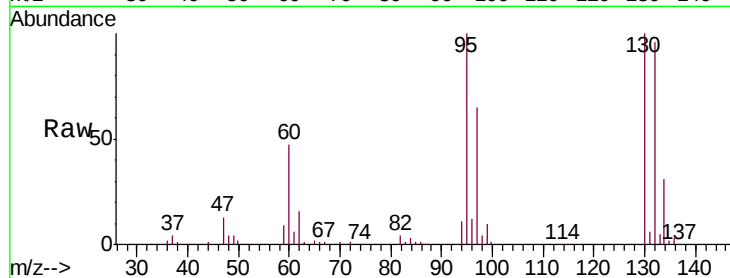
Ion Ratio Lower Upper

95 100

97 65.1 43.8 81.3

132 96.4 65.6 121.8

130 99.8 69.2 128.6

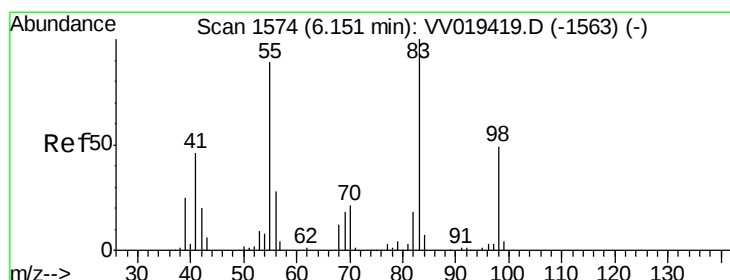
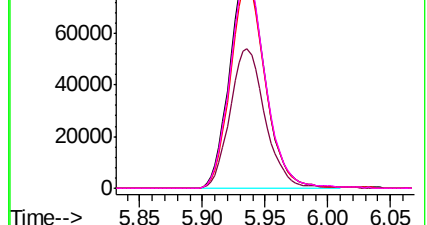


Abundance Ion 95.00 (94.70 to 95.70): VV019423.D (-1414) (-)

Ion 97.00 (96.70 to 97.70): VV019423.D (-1414) (-)

Ion 132.00 (131.70 to 132.70): VV019423.D (-1414) (-)

Ion 130.00 (129.70 to 130.70): VV019423.D (-1414) (-)



#35

Methylcyclohexane

Concen: 52.607 ug/L

RT: 6.15 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VV019423.D

Acq: 23 Nov 2020 15:29

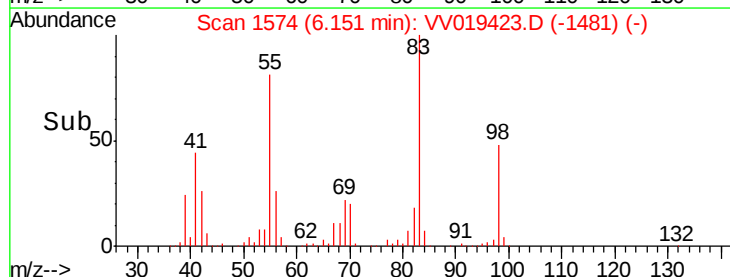
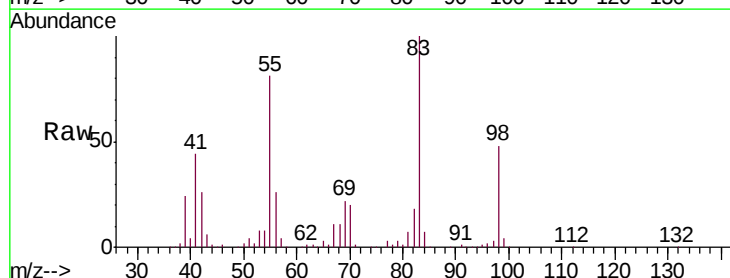
Tgt Ion: 83 Resp: 195928

Ion Ratio Lower Upper

83 100

55 81.8 67.4 101.2

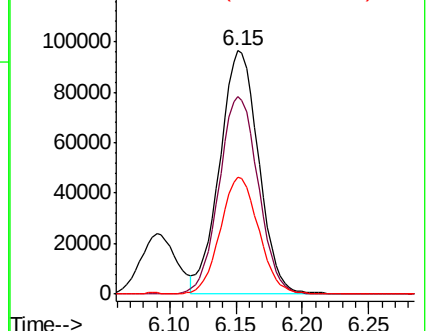
98 47.8 38.3 57.5

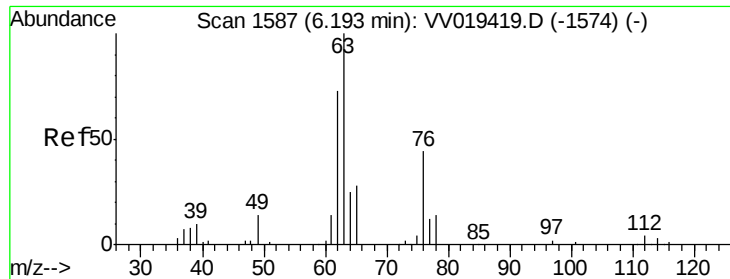


Abundance Ion 83.00 (82.70 to 83.70): VV019423.D (-1481) (-)

Ion 55.00 (54.70 to 55.70): VV019423.D (-1481) (-)

Ion 98.00 (97.70 to 98.70): VV019423.D (-1481) (-)





#37

1,2-Dichloropropane

Concen: 53.300 ug/L

RT: 6.20 min Scan# 1588

Delta R.T. 0.00 min

Lab File: VV019423.D

Acq: 23 Nov 2020 15:29

Instrument :

MSVOA_V

ClientSampleId :

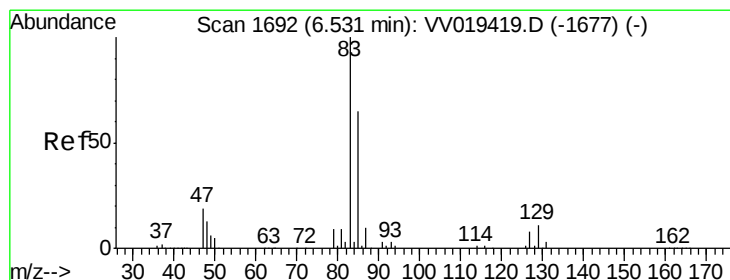
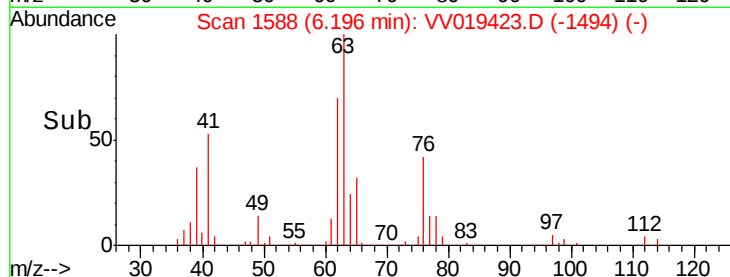
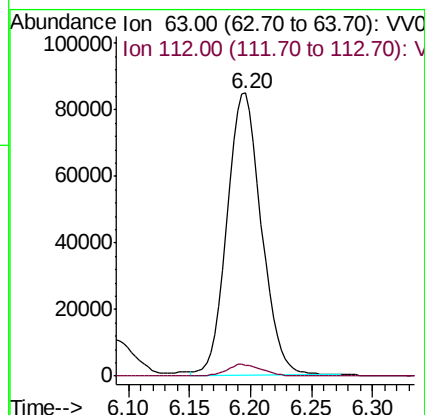
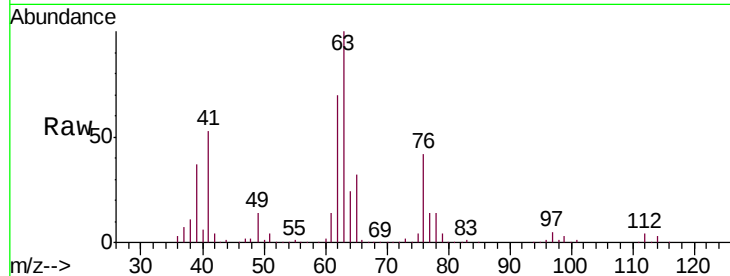
VSTD05069

Tgt Ion: 63 Resp: 166855

Ion Ratio Lower Upper

63 100

112 4.4 3.8 5.6



#38

Bromodichloromethane

Concen: 52.215 ug/L

RT: 6.53 min Scan# 1692

Delta R.T. 0.00 min

Lab File: VV019423.D

Acq: 23 Nov 2020 15:29

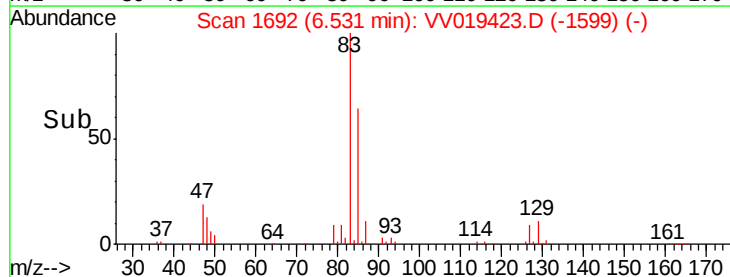
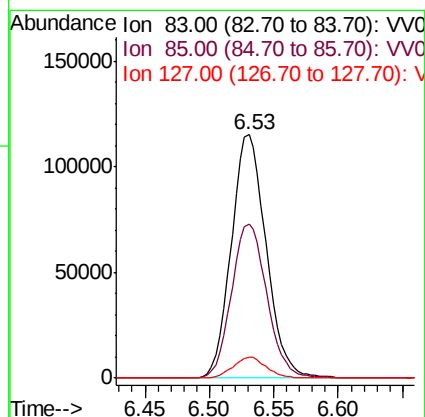
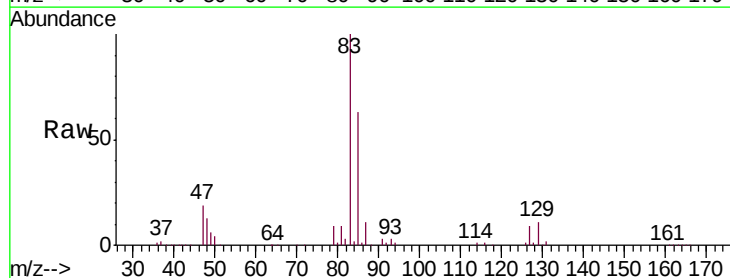
Tgt Ion: 83 Resp: 216714

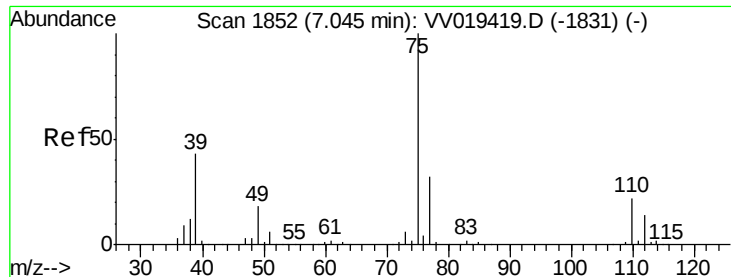
Ion Ratio Lower Upper

83 100

85 63.5 45.3 84.1

127 8.6 6.6 9.8

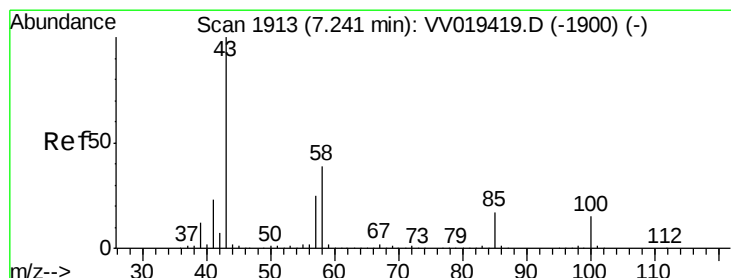
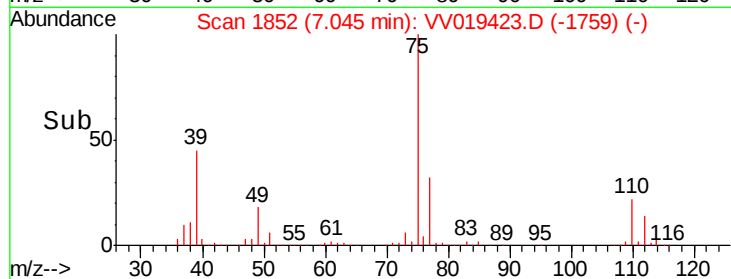
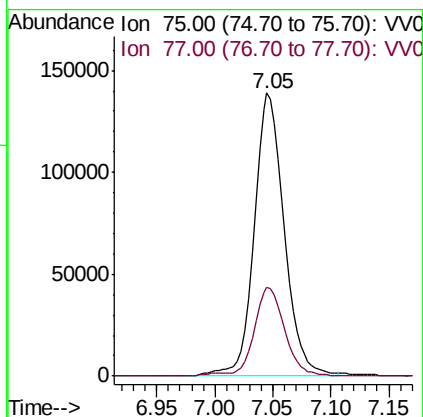
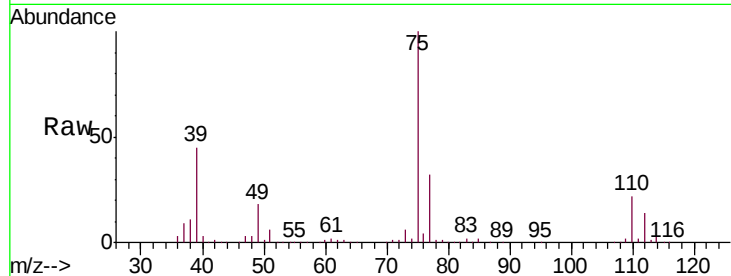




#39
 cis-1,3-Dichloropropene
 Concen: 54.433 ug/L
 RT: 7.05 min Scan# 1852
 Delta R.T. 0.00 min
 Lab File: VV019423.D
 Acq: 23 Nov 2020 15:29

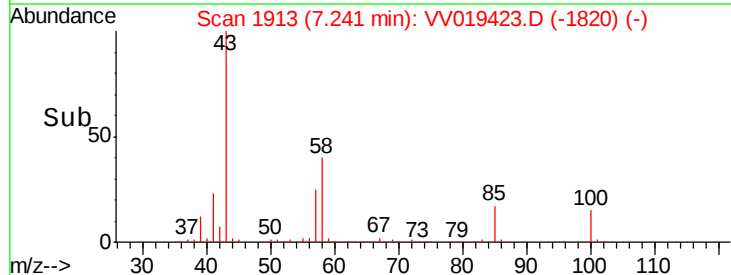
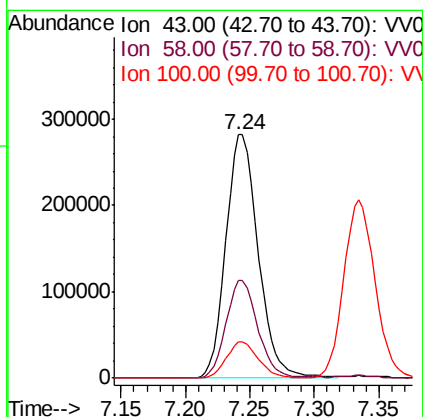
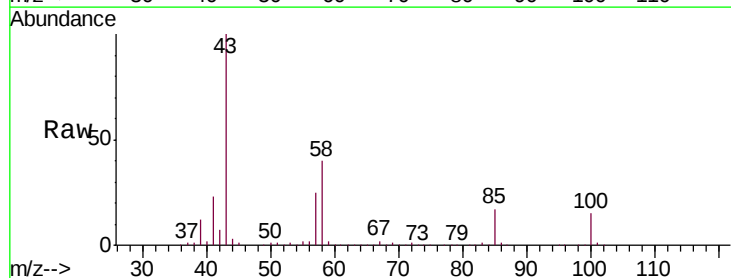
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05069

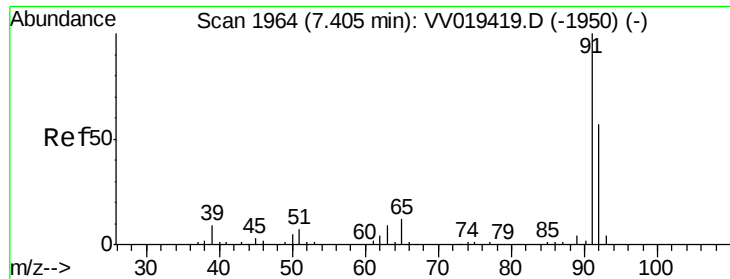
Tgt Ion: 75 Resp: 251702
 Ion Ratio Lower Upper
 75 100
 77 31.6 22.5 41.7



#40
 4-Methyl-2-pentanone
 Concen: 111.508 ug/L
 RT: 7.24 min Scan# 1913
 Delta R.T. 0.00 min
 Lab File: VV019423.D
 Acq: 23 Nov 2020 15:29

Tgt Ion: 43 Resp: 492219
 Ion Ratio Lower Upper
 43 100
 58 39.5 31.0 46.4
 100 14.5 11.7 17.5





#42

Toluene

Concen: 53.907 ug/L

RT: 7.41 min Scan# 1964

Delta R.T. 0.00 min

Lab File: VV019423.D

Acq: 23 Nov 2020 15:29

Instrument :

MSVOA_V

ClientSampleId :

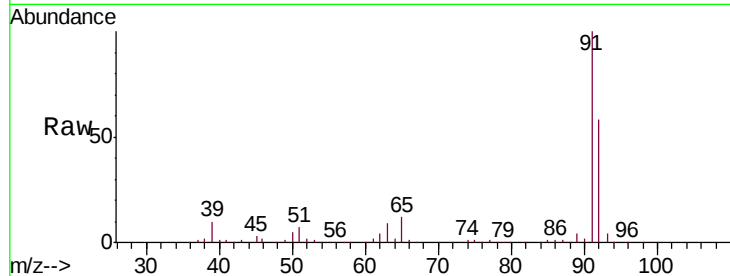
VSTD05069

Tgt Ion: 91 Resp: 634674

Ion Ratio Lower Upper

91 100

92 58.1 40.0 74.4



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 92.00 (91.70 to 92.70): VV0

7.41

400000

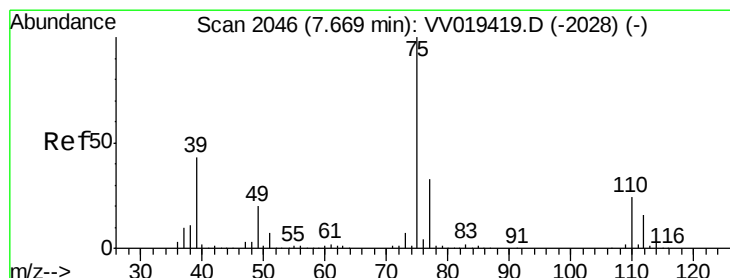
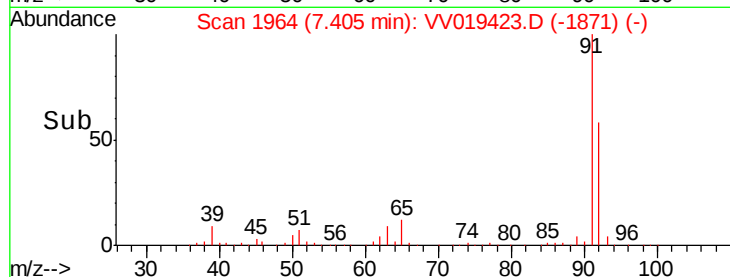
300000

200000

100000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 54.589 ug/L

RT: 7.67 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VV019423.D

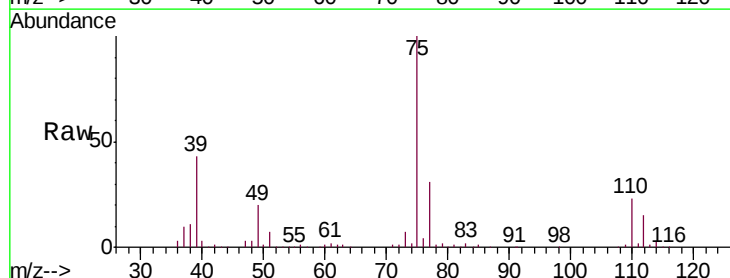
Acq: 23 Nov 2020 15:29

Tgt Ion: 75 Resp: 251437

Ion Ratio Lower Upper

75 100

77 31.2 22.8 42.4



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

7.67

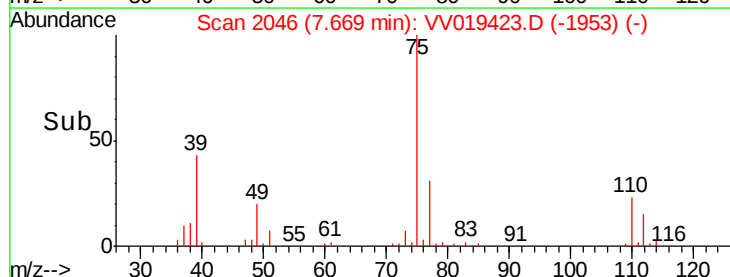
150000

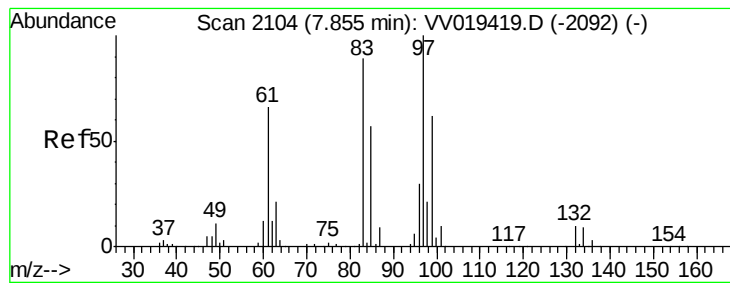
100000

50000

0

Time-->





#45

1,1,2-Trichloroethane

Concen: 53.374 ug/L

RT: 7.86 min Scan# 2104

Delta R.T. 0.00 min

Lab File: VV019423.D

Acq: 23 Nov 2020 15:29

Instrument :

MSVOA_V

ClientSampled :

VSTD05069

Tgt Ion: 97 Resp: 156460

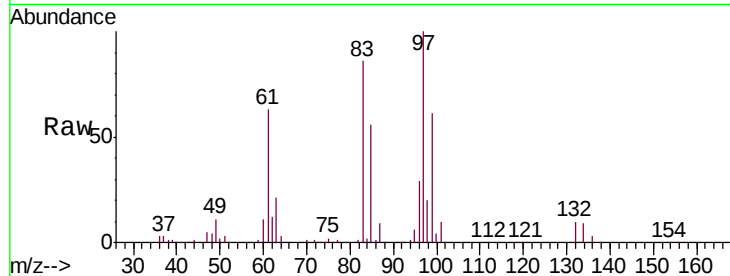
Ion Ratio Lower Upper

97 100

99 60.6 43.7 81.1

83 85.6 62.0 115.2

85 55.8 40.0 74.4

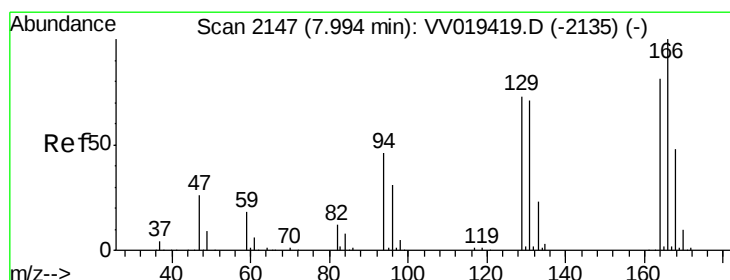
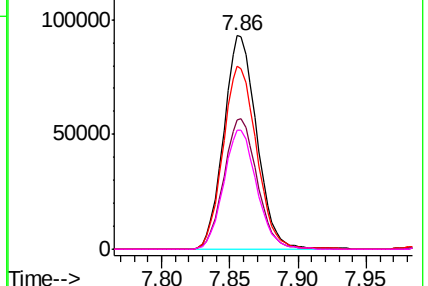
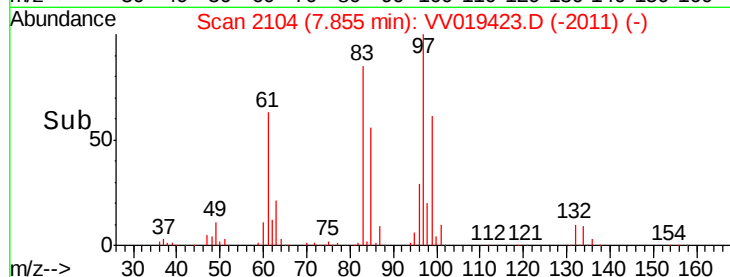


Abundance Ion 97.00 (96.70 to 97.70): VV019423.D (-2011) (-)

Ion 99.00 (98.70 to 99.70): VV019423.D (-2011) (-)

Ion 83.00 (82.70 to 83.70): VV019423.D (-2011) (-)

Ion 85.00 (84.70 to 85.70): VV019423.D (-2011) (-)



#46

Tetrachloroethene

Concen: 51.473 ug/L

RT: 7.99 min Scan# 2147

Delta R.T. 0.00 min

Lab File: VV019423.D

Acq: 23 Nov 2020 15:29

Tgt Ion: 164 Resp: 113146

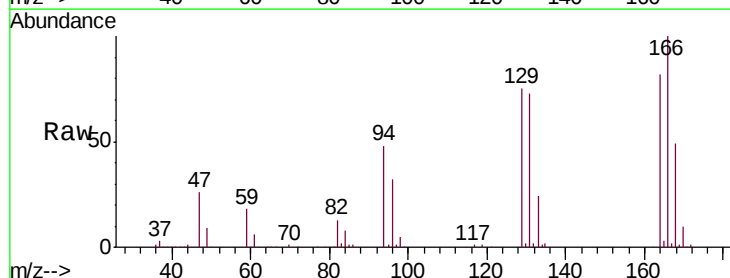
Ion Ratio Lower Upper

164 100

129 92.1 62.9 116.7

131 88.9 61.1 113.5

166 122.3 86.5 160.6

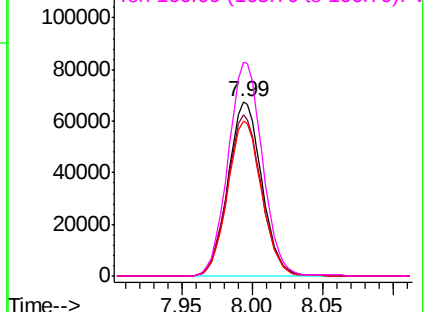
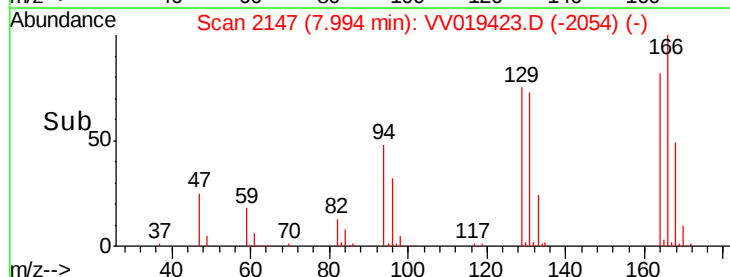


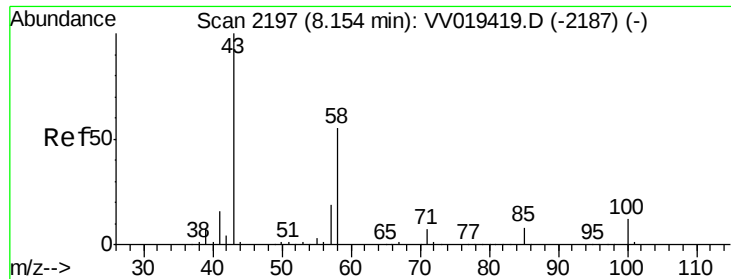
Abundance Ion 164.00 (163.70 to 164.70): VV019423.D (-2054) (-)

Ion 129.00 (128.70 to 129.70): VV019423.D (-2054) (-)

Ion 131.00 (130.70 to 131.70): VV019423.D (-2054) (-)

Ion 166.00 (165.70 to 166.70): VV019423.D (-2054) (-)

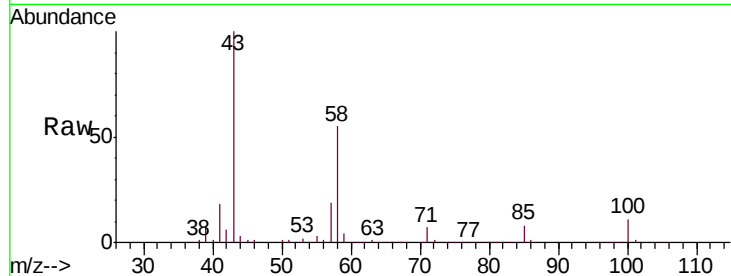




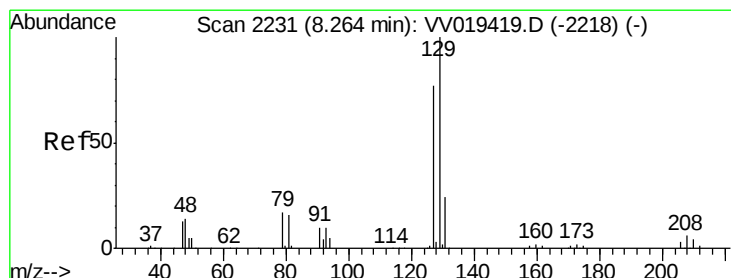
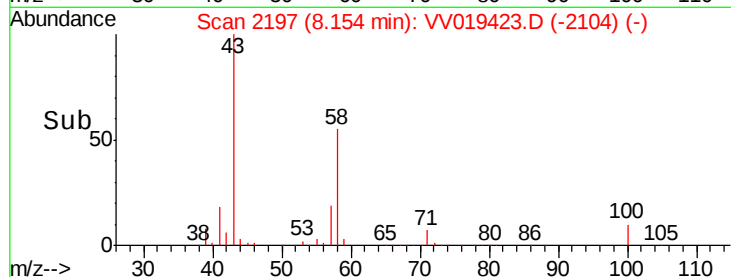
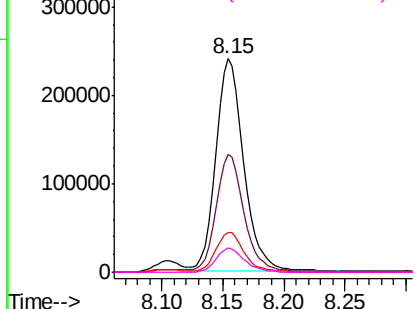
#48
2-Hexanone
Concen: 111.070 ug/L
RT: 8.15 min Scan# 2197
Delta R.T. 0.00 min
Lab File: VV019423.D
Acq: 23 Nov 2020 15:29

Instrument :
MSVOA_V
ClientSampleId :
VSTD05069

Tgt Ion:	43	Resp:	388316
Ion	Ratio	Lower	Upper
43	100		
58	55.0	43.8	65.6
57	18.8	15.4	23.2
100	11.4	9.0	13.6

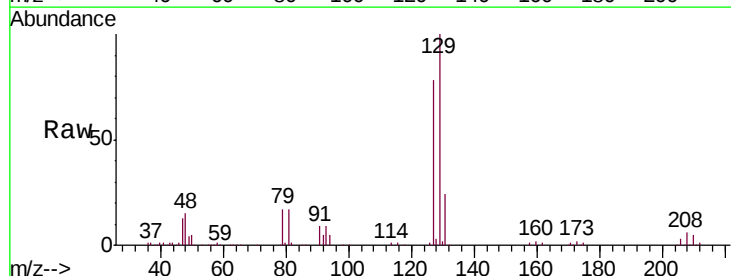


Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 58.00 (57.70 to 58.70): VV0
Ion 57.00 (56.70 to 57.70): VV0
Ion 100.00 (99.70 to 100.70): VV0

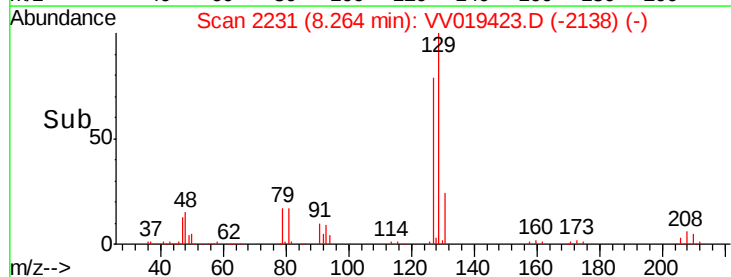
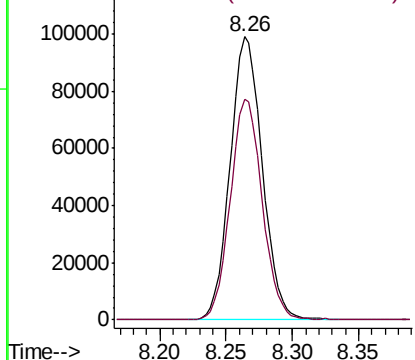


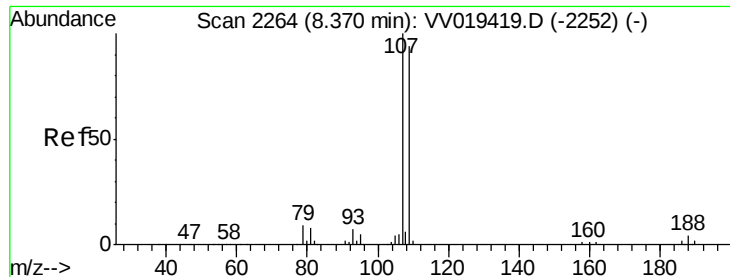
#49
Dibromochloromethane
Concen: 51.695 ug/L
RT: 8.26 min Scan# 2231
Delta R.T. 0.00 min
Lab File: VV019423.D
Acq: 23 Nov 2020 15:29

Tgt Ion:	129	Resp:	167479
Ion	Ratio	Lower	Upper
129	100		
127	78.1	53.5	99.5



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

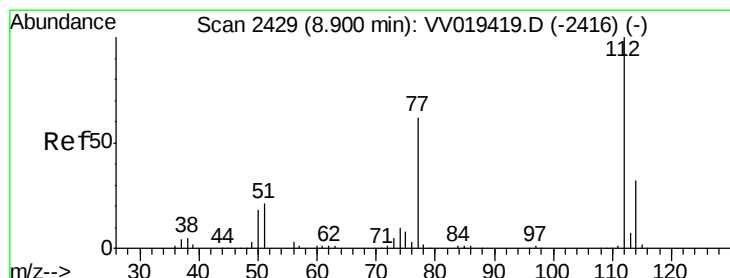
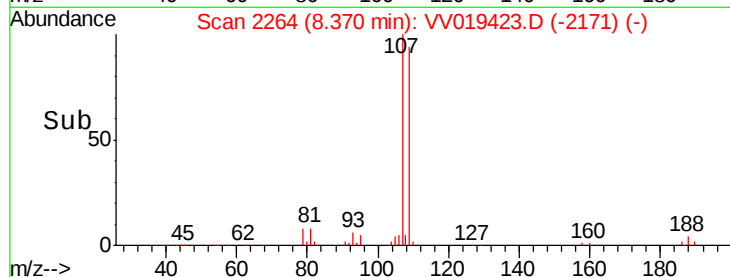
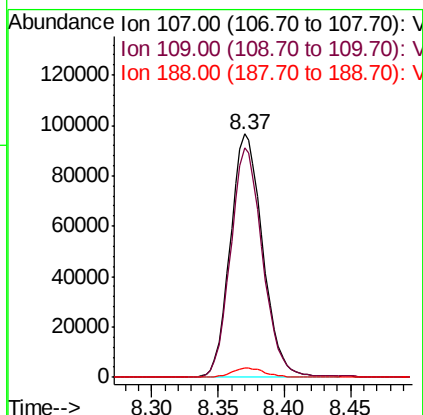
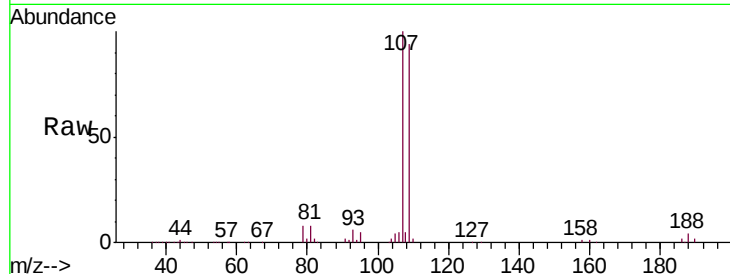




#50
1,2-Dibromoethane
Concen: 52.784 ug/L
RT: 8.37 min Scan# 2264
Delta R.T. 0.00 min
Lab File: VV019423.D
Acq: 23 Nov 2020 15:29

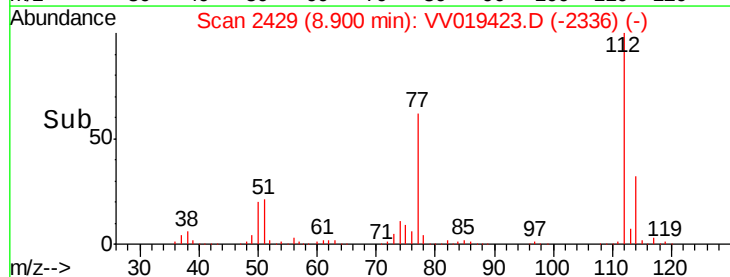
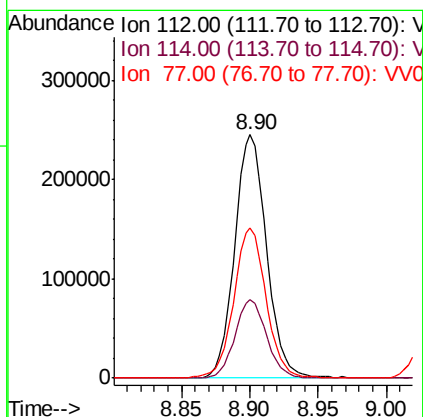
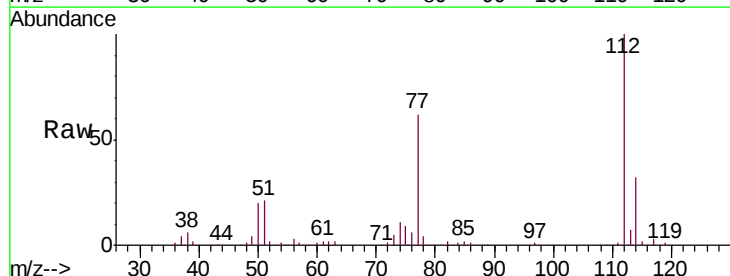
Instrument :
MSVOA_V
ClientSampleId :
VSTD05069

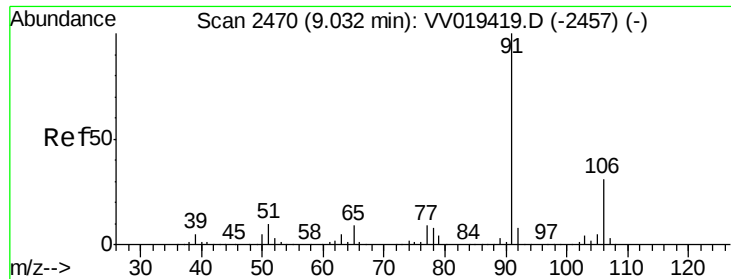
Tgt Ion:107 Resp: 164211
Ion Ratio Lower Upper
107 100
109 94.2 66.1 122.8
188 3.8 3.0 4.4



#51
Chlorobenzene
Concen: 51.215 ug/L
RT: 8.90 min Scan# 2429
Delta R.T. 0.00 min
Lab File: VV019423.D
Acq: 23 Nov 2020 15:29

Tgt Ion:112 Resp: 397793
Ion Ratio Lower Upper
112 100
114 32.1 22.7 42.1
77 61.6 50.3 75.5





#52

Ethylbenzene

Concen: 53.394 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. -0.00 min

Lab File: VV019423.D

Acq: 23 Nov 2020 15:29

Instrument :

MSVOA_V

ClientSampleId :

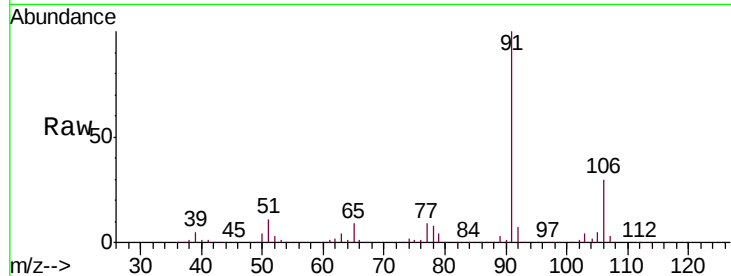
VSTD05069

Tgt Ion: 91 Resp: 674621

Ion Ratio Lower Upper

91 100

106 30.0 21.4 39.8



Abundance Ion 91.00 (90.70 to 91.70): VV019419.D (-2457) (-)

Ion 106.00 (105.70 to 106.70): VV019419.D (-2457) (-)

9.03

400000

300000

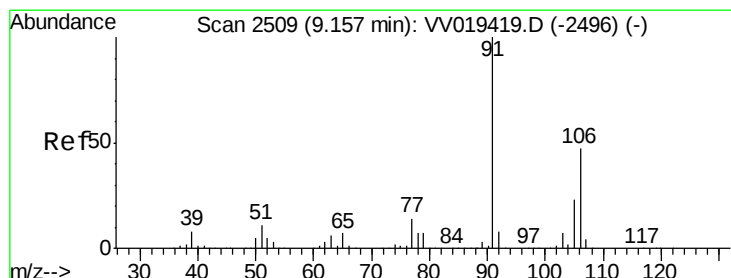
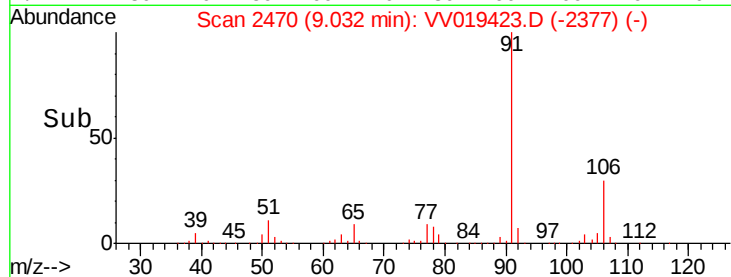
200000

100000

0

8.95 9.00 9.05 9.10 9.15

Time-->



#53

m,p-Xylene

Concen: 53.587 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VV019423.D

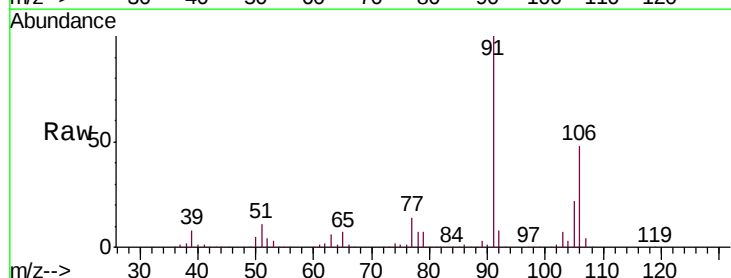
Acq: 23 Nov 2020 15:29

Tgt Ion: 106 Resp: 250512

Ion Ratio Lower Upper

106 100

91 208.9 148.7 276.3



Abundance Ion 106.00 (105.70 to 106.70): VV019419.D (-2496) (-)

Ion 91.00 (90.70 to 91.70): VV019419.D (-2496) (-)

9.16

300000

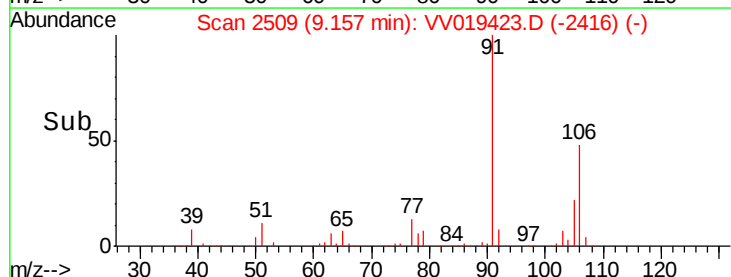
200000

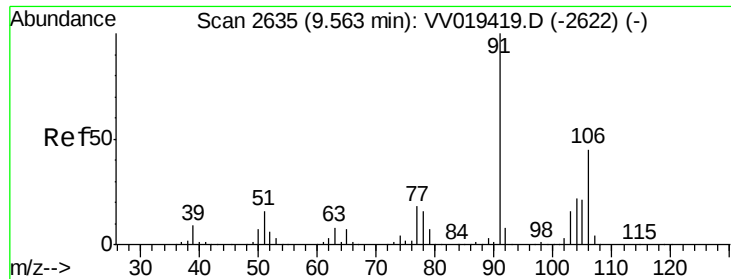
100000

0

9.10 9.15 9.20 9.25

Time-->





#54

o-xylene

Concen: 54.365 ug/L

RT: 9.56 min Scan# 2635

Delta R.T. 0.00 min

Lab File: VV019423.D

Acq: 23 Nov 2020 15:29

Instrument :

MSVOA_V

ClientSampleId :

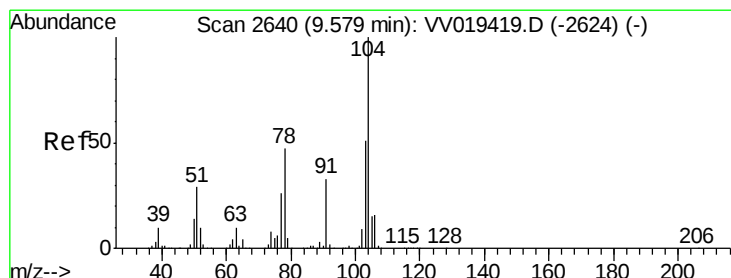
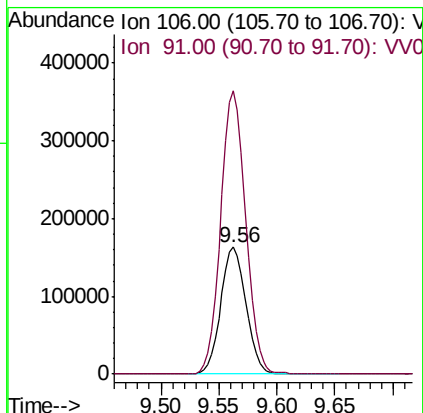
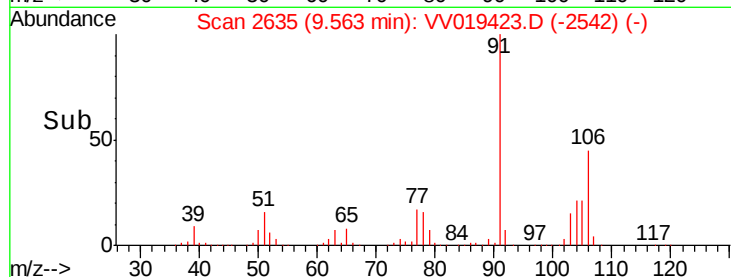
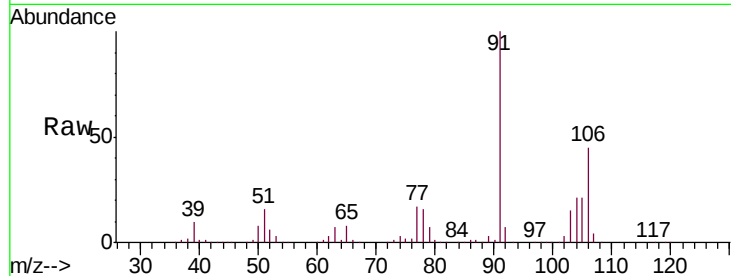
VSTD05069

Tgt Ion:106 Resp: 247463

Ion Ratio Lower Upper

106 100

91 223.1 155.1 288.1



#55

Styrene

Concen: 55.250 ug/L

RT: 9.58 min Scan# 2640

Delta R.T. 0.00 min

Lab File: VV019423.D

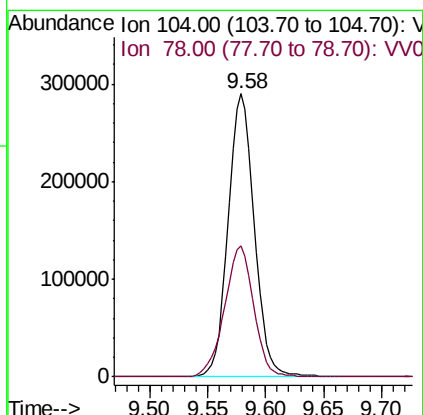
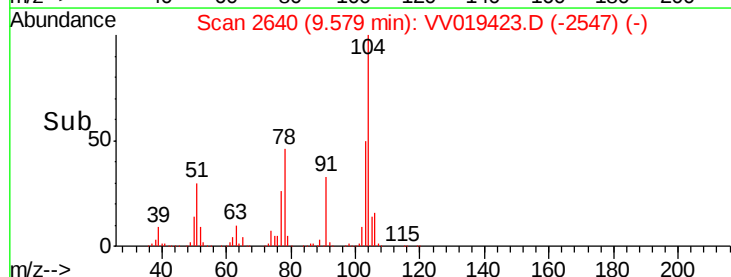
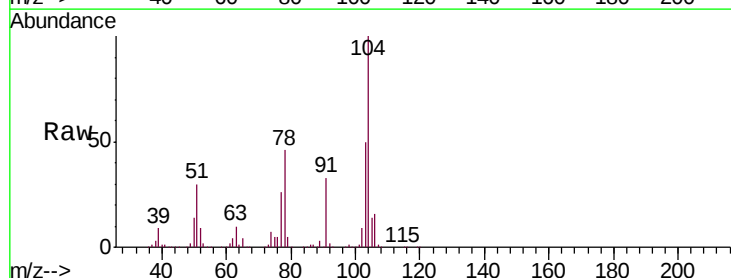
Acq: 23 Nov 2020 15:29

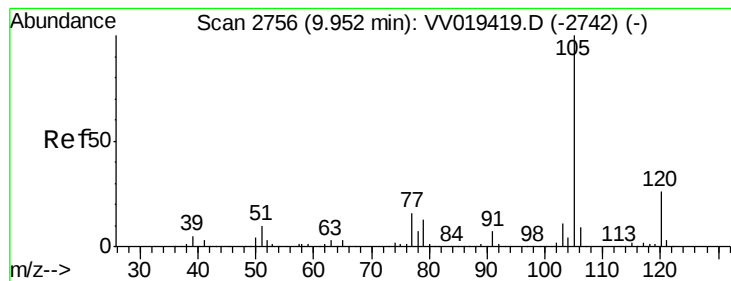
Tgt Ion:104 Resp: 450193

Ion Ratio Lower Upper

104 100

78 46.1 33.0 61.4





#56

Isopropylbenzene

Concen: 53.551 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV019423.D

Acq: 23 Nov 2020 15:29

Instrument :

MSVOA_V

ClientSampled :

VSTD05069

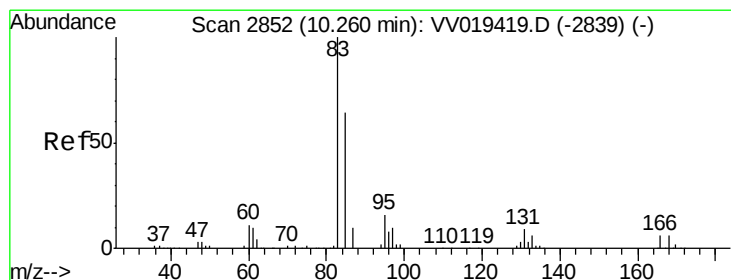
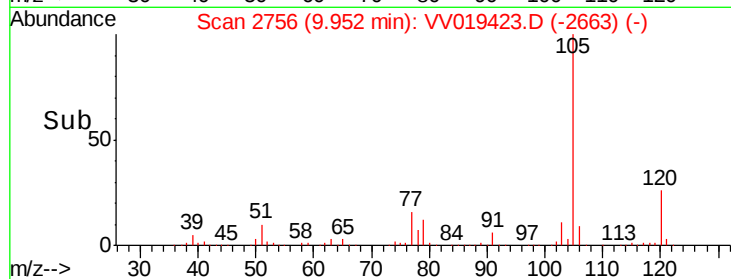
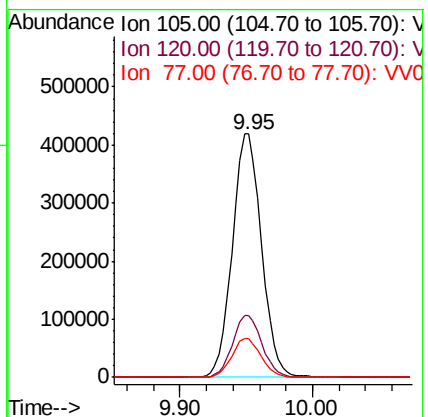
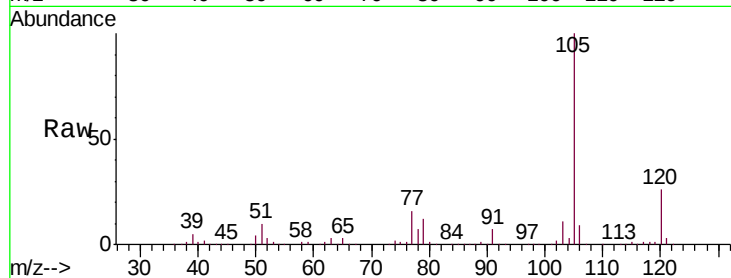
Tgt Ion: 105 Resp: 638621

Ion Ratio Lower Upper

105 100

120 25.7 20.8 31.2

77 16.2 13.1 19.7



#58

1,1,2,2-Tetrachloroethane

Concen: 52.768 ug/L

RT: 10.26 min Scan# 2852

Delta R.T. 0.00 min

Lab File: VV019423.D

Acq: 23 Nov 2020 15:29

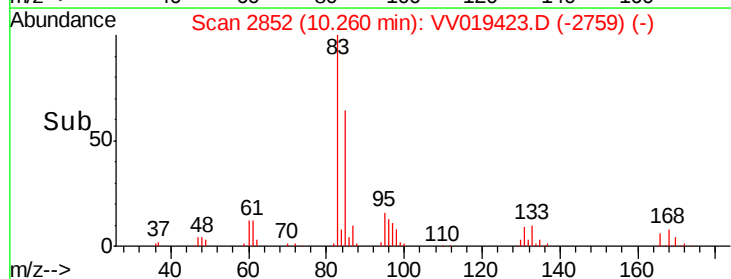
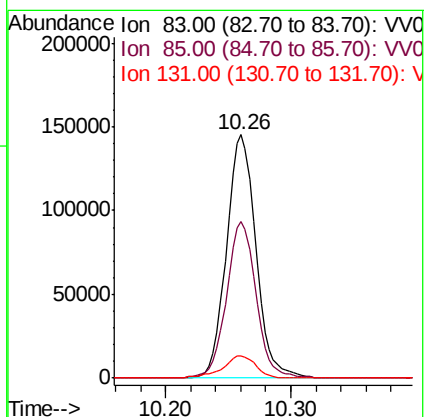
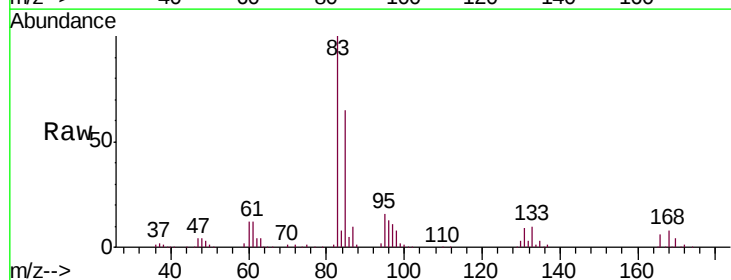
Tgt Ion: 83 Resp: 236434

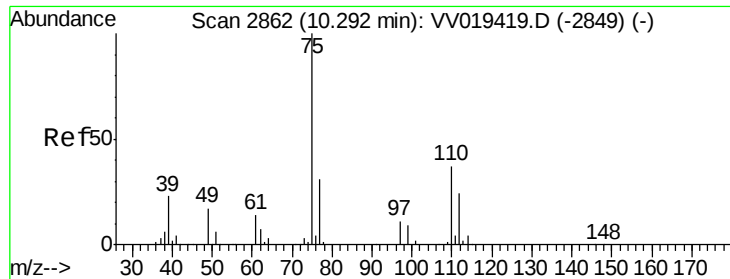
Ion Ratio Lower Upper

83 100

85 64.6 44.8 83.2

131 9.1 7.2 10.8





#59

1,2,3-Trichloropropane

Concen: 52.221 ug/L

RT: 10.29 min Scan# 2862

Delta R.T. 0.00 min

Lab File: VV019423.D

Acq: 23 Nov 2020 15:29

Instrument :

MSVOA_V

ClientSampleId :

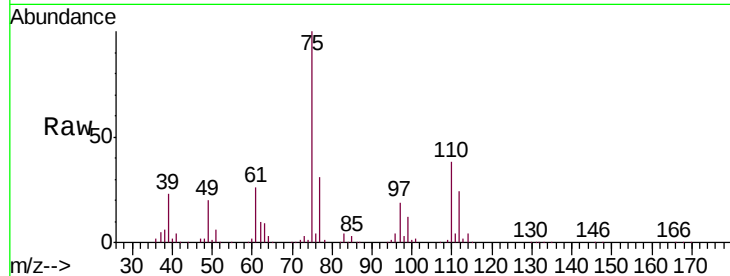
VSTD05069

Tgt Ion: 75 Resp: 214738

Ion Ratio Lower Upper

75 100

77 31.2 25.2 37.8



Abundance Ion 75.00 (74.70 to 75.70): VV019419.D (-2849) (-)

Ion 77.00 (76.70 to 77.70): VV019419.D (-2849) (-)

10.29

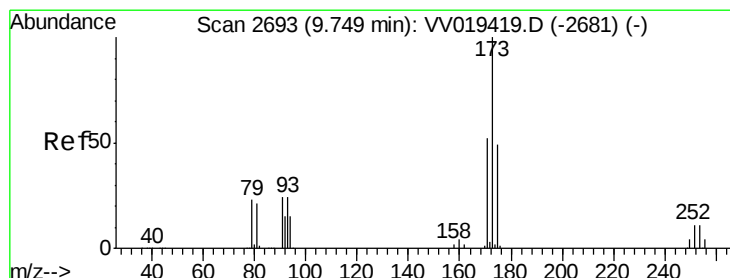
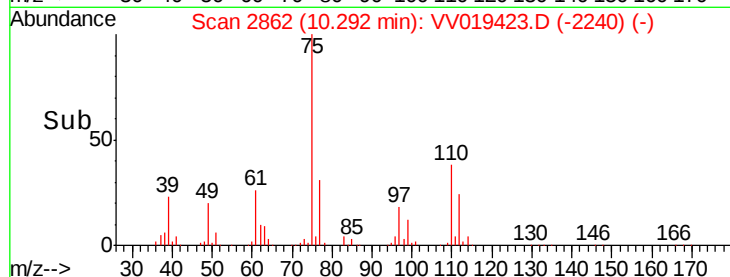
150000

100000

50000

0

Time-->



#61

Bromoform

Concen: 52.875 ug/L

RT: 9.75 min Scan# 2693

Delta R.T. 0.00 min

Lab File: VV019423.D

Acq: 23 Nov 2020 15:29

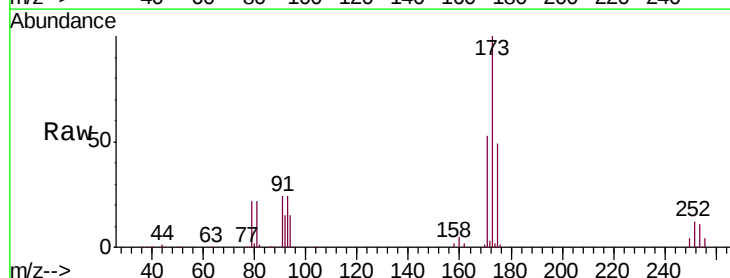
Tgt Ion: 173 Resp: 125765

Ion Ratio Lower Upper

173 100

175 49.0 38.8 58.2

254 10.5 8.6 13.0



Abundance Ion 173.00 (172.70 to 173.70): VV019419.D (-2681) (-)

Ion 175.00 (174.70 to 175.70): VV019419.D (-2681) (-)

Ion 254.00 (253.70 to 254.70): VV019419.D (-2681) (-)

9.75

100000

80000

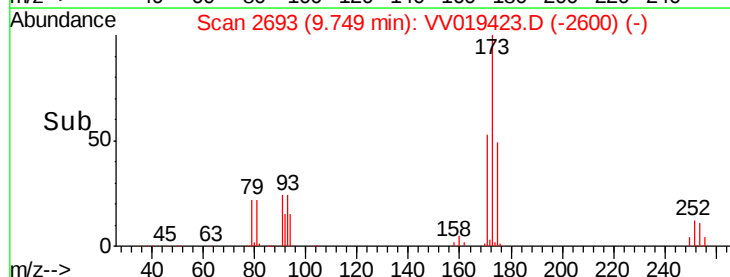
60000

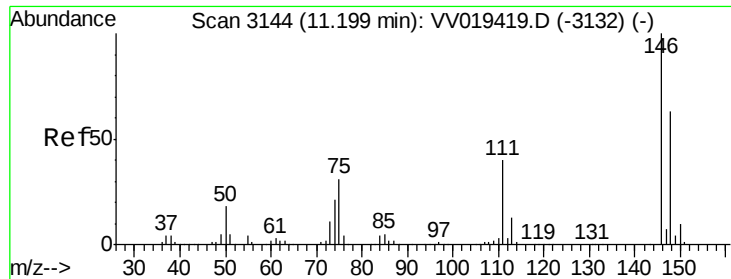
40000

20000

0

Time-->

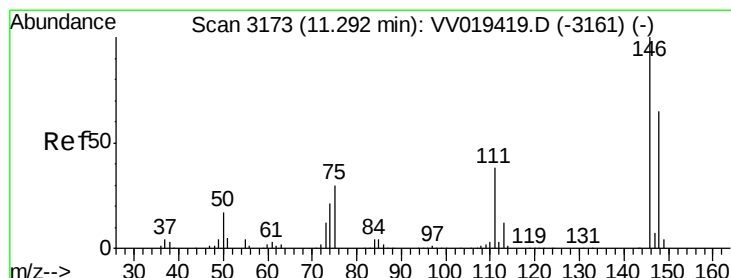
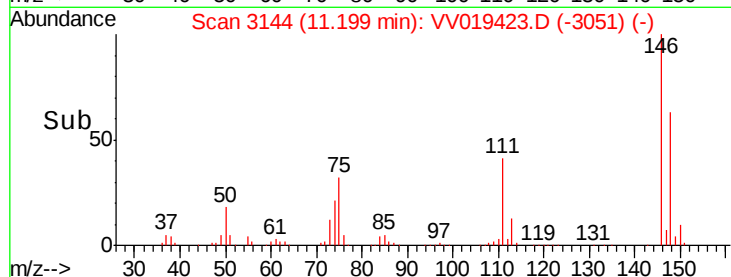
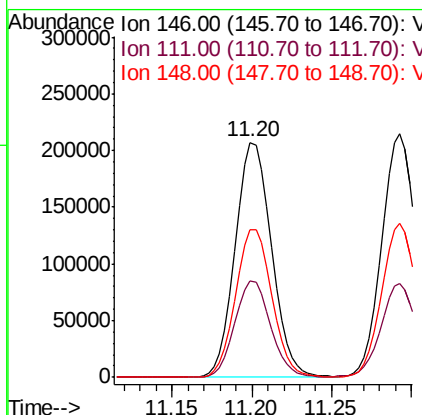
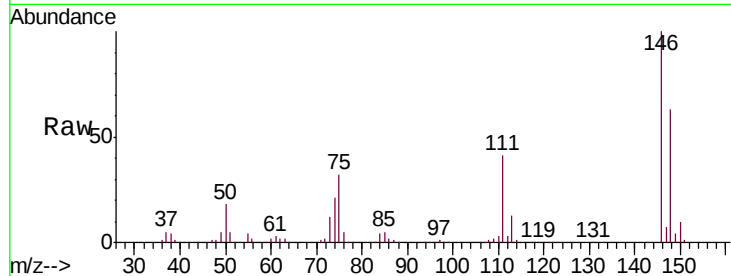




#62
 1,3-Dichlorobenzene
 Concen: 52.958 ug/L
 RT: 11.20 min Scan# 3144
 Delta R.T. 0.00 min
 Lab File: VV019423.D
 Acq: 23 Nov 2020 15:29

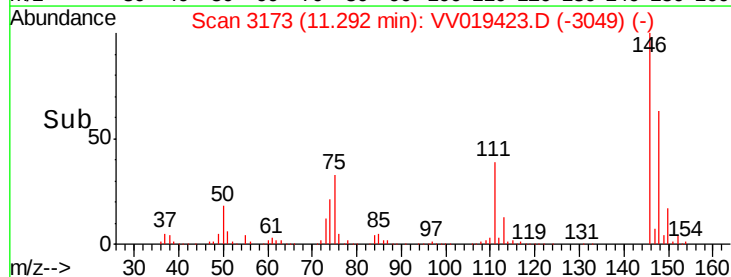
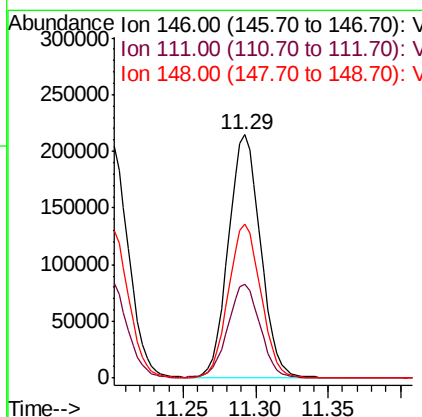
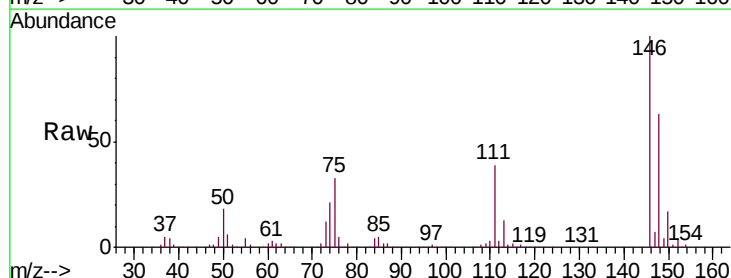
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05069

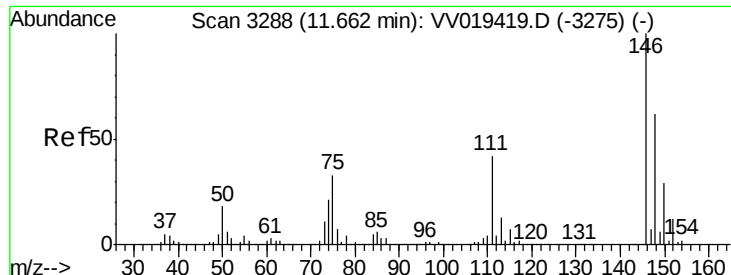
Tgt Ion:146 Resp: 320531
 Ion Ratio Lower Upper
 146 100
 111 41.1 27.9 51.7
 148 63.0 44.4 82.5



#63
 1,4-Dichlorobenzene
 Concen: 51.807 ug/L
 RT: 11.29 min Scan# 3173
 Delta R.T. 0.00 min
 Lab File: VV019423.D
 Acq: 23 Nov 2020 15:29

Tgt Ion:146 Resp: 329573
 Ion Ratio Lower Upper
 146 100
 111 38.8 26.7 49.7
 148 63.2 45.2 84.0





#65

1,2-Dichlorobenzene

Concen: 52.147 ug/L

RT: 11.66 min Scan# 3288

Delta R.T. 0.00 min

Lab File: VV019423.D

Acq: 23 Nov 2020 15:29

Instrument :

MSVOA_V

ClientSampled :

VSTD05069

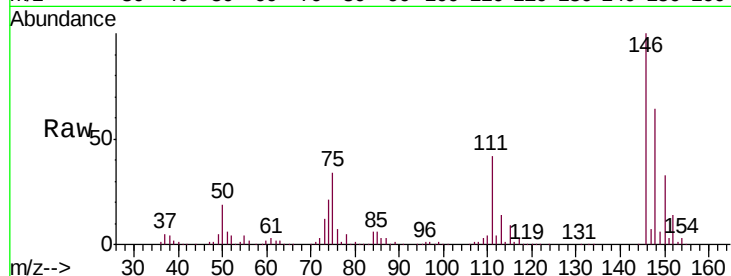
Tgt Ion:146 Resp: 324040

Ion Ratio Lower Upper

146 100

111 42.2 33.8 50.8

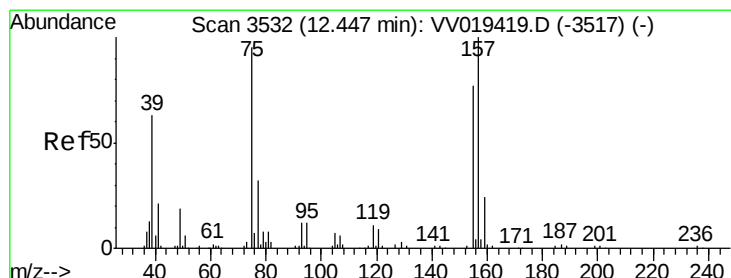
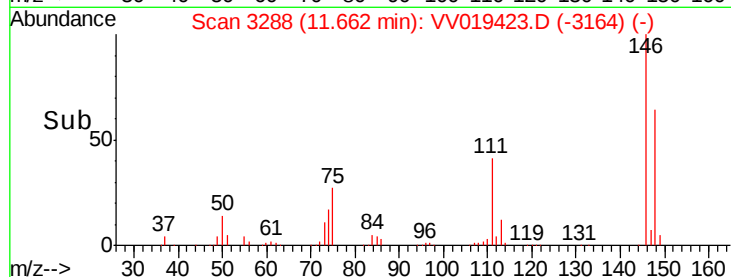
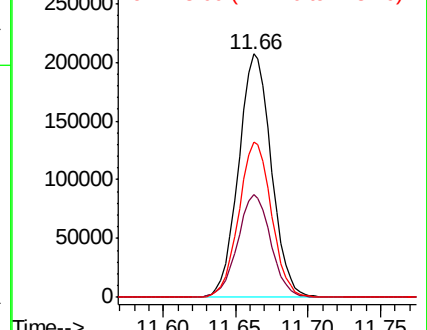
148 64.0 49.8 74.8



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 55.705 ug/L

RT: 12.45 min Scan# 3532

Delta R.T. 0.00 min

Lab File: VV019423.D

Acq: 23 Nov 2020 15:29

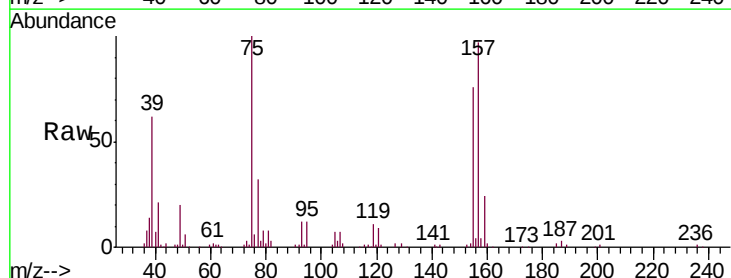
Tgt Ion: 75 Resp: 59898

Ion Ratio Lower Upper

75 100

155 76.4 64.5 96.7

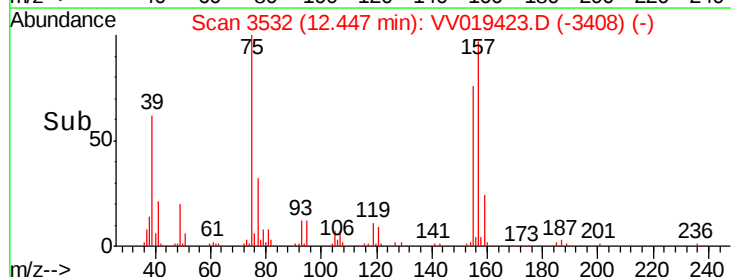
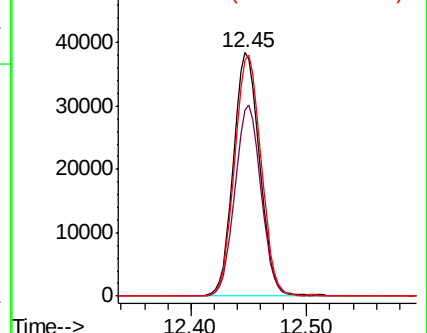
157 96.9 84.2 126.2

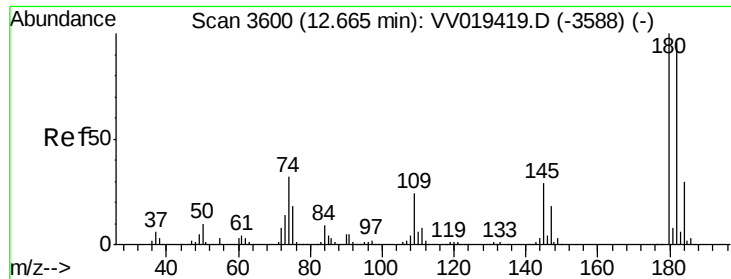


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

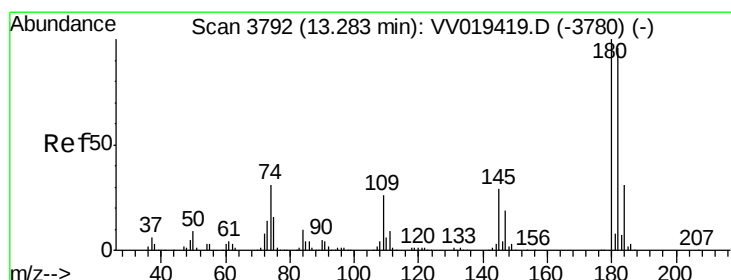
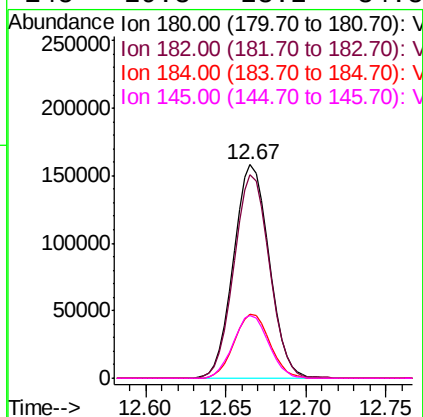
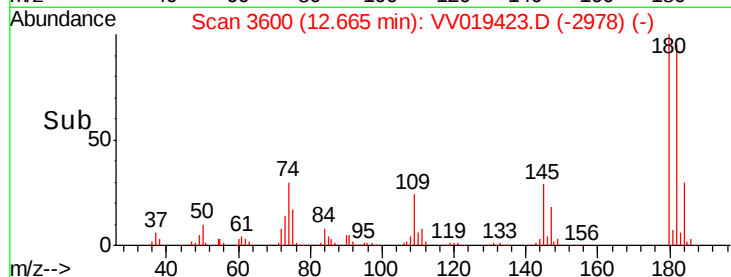
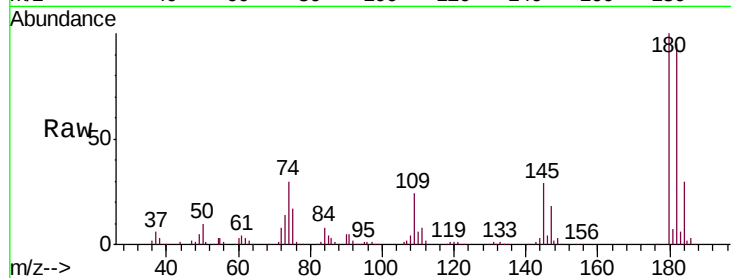




#67
 1,3,5-Trichlorobenzene
 Concen: 54.331 ug/L
 RT: 12.67 min Scan# 3600
 Delta R.T. 0.00 min
 Lab File: VV019423.D
 Acq: 23 Nov 2020 15:29

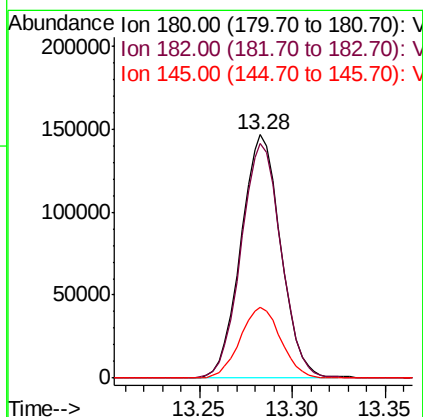
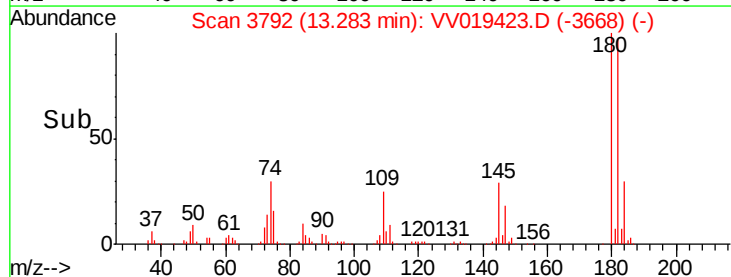
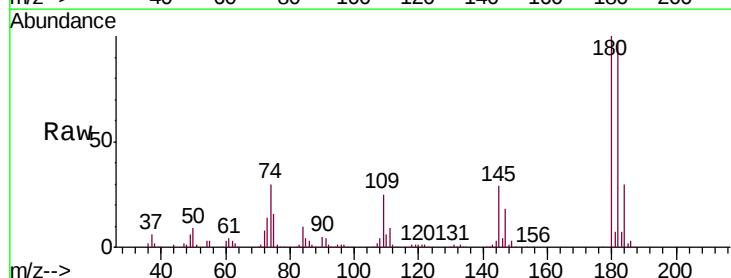
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05069

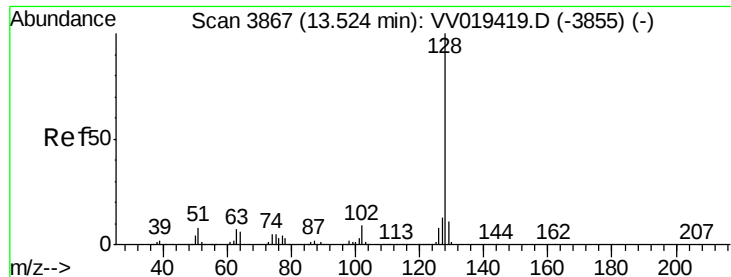
Tgt Ion:	180	Resp:	239375
Ion	Ratio	Lower	Upper
180	100		
182	94.9	77.0	115.4
184	29.9	24.2	36.2
145	29.3	23.2	34.8



#68
 1,2,4-trichlorobenzene
 Concen: 55.993 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. 0.00 min
 Lab File: VV019423.D
 Acq: 23 Nov 2020 15:29

Tgt Ion:	180	Resp:	218415
Ion	Ratio	Lower	Upper
180	100		
182	97.3	76.3	114.5
145	29.6	23.4	35.2





#69

Naphthalene

Concen: 61.064 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. 0.00 min

Lab File: VV019423.D

Acq: 23 Nov 2020 15:29

Instrument :

MSVOA_V

ClientSampleId :

VSTD05069

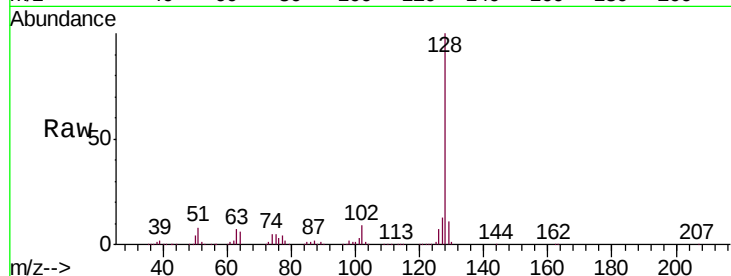
Tgt Ion:128 Resp: 605704

Ion Ratio Lower Upper

128 100

127 13.1 10.7 16.1

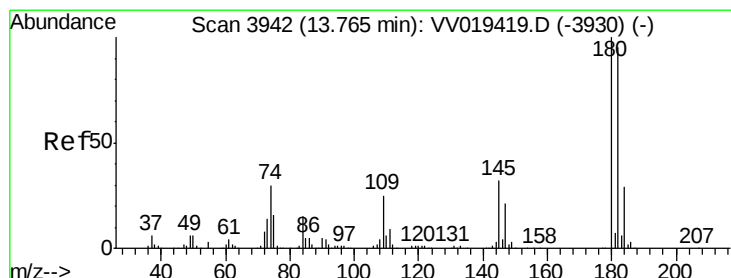
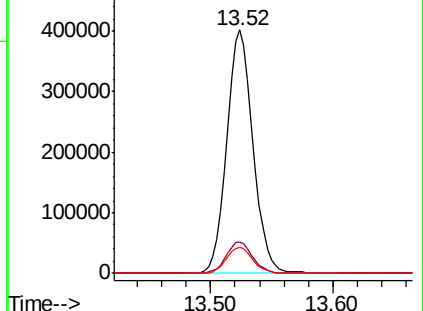
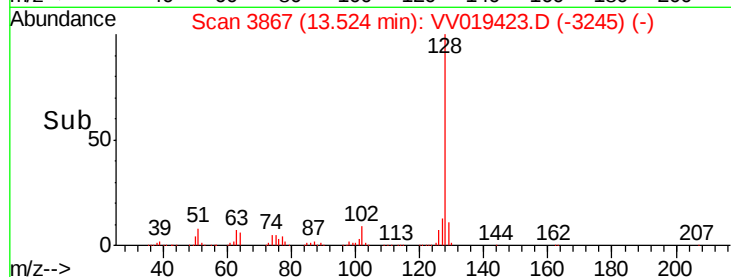
129 10.8 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 58.239 ug/L

RT: 13.77 min Scan# 3942

Delta R.T. 0.00 min

Lab File: VV019423.D

Acq: 23 Nov 2020 15:29

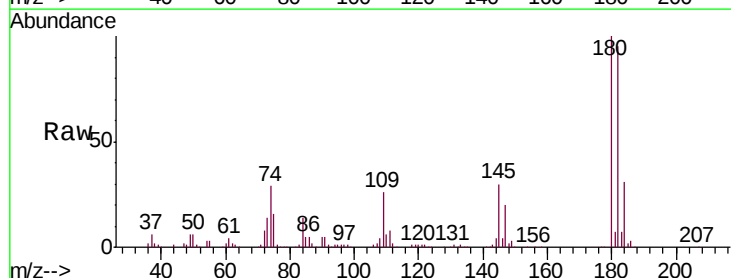
Tgt Ion:180 Resp: 237459

Ion Ratio Lower Upper

180 100

182 94.4 76.6 115.0

145 30.7 25.0 37.6



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

