

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV120720\
 Data File : VV019489.D
 Acq On : 07 Dec 2020 13:20
 Operator : SY/MD
 Sample : VSTD10062
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10062

Quant Time: Dec 07 13:42:19 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM120720WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Dec 07 13:33:21 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	331892	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	321178	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	163485	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	202308	64.78	ug/L	0.00
7) Chloroethane-d5	1.57	69	191857	74.84	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.12	63	488074	85.25	ug/L	0.00
21) 2-Butanone-d5	3.89	46	344693	177.56	ug/L	0.00
24) Chloroform-d	4.37	84	494036	93.53	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.05	65	333788	95.89	ug/L	0.00
32) Benzene-d6	5.07	84	950679	100.60	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.09	67	320091	101.48	ug/L	0.00
41) Toluene-d8	7.33	98	845014	100.51	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.64	79	160881	106.26	ug/L	0.00
47) 2-Hexanone-d5	8.10	63	229445	195.21	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.23	84	400087	99.28	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.64	152	308477	98.11	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.14	85	141844	57.614	ug/L	100
3) Chloromethane	1.25	50	161051	49.820	ug/L	98
5) Vinyl chloride	1.32	62	192257	59.942	ug/L	100
6) Bromomethane	1.52	94	166672	79.494	ug/L	99
8) Chloroethane	1.59	64	150349	72.621	ug/L	99
9) Trichlorofluoromethane	1.76	101	318400	77.002	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	187110	83.008	ug/L	100
12) 1,1-Dichloroethene	2.13	96	178858	77.679	ug/L	96
13) Acetone	2.17	43	334975	205.986	ug/L	99
14) Carbon disulfide	2.31	76	480689	72.753	ug/L	99
15) Methyl Acetate	2.44	43	319857	101.468	ug/L	100
16) Methylene chloride	2.52	84	241397	87.641	ug/L	100
17) trans-1,2-Dichloroethene	2.78	96	204581	87.782	ug/L	98
18) Methyl tert-butyl Ether	2.78	73	789884	103.403	ug/L	99
19) 1,1-Dichloroethane	3.21	63	481776	98.163	ug/L	99
20) cis-1,2-Dichloroethene	3.93	96	244562	94.585	ug/L	97
22) 2-Butanone	3.97	43	496632	235.836	ug/L	100
23) Bromochloromethane	4.27	128	120180	88.367	ug/L	98
25) Chloroform	4.40	83	475138	96.417	ug/L	99
27) 1,2-Dichloroethane	5.15	62	390321	100.052	ug/L	98
29) Cyclohexane	4.70	56	359372	106.819	ug/L	100
30) 1,1,1-Trichloroethane	4.63	97	396046	101.845	ug/L	100
31) Carbon tetrachloride	4.85	117	323398	97.565	ug/L	99
33) Benzene	5.12	78	956979	100.275	ug/L	100
34) Trichloroethene	5.93	95	249318	93.662	ug/L	99
35) Methylcyclohexane	6.15	83	321469	102.462	ug/L	99
37) 1,2-Dichloropropane	6.19	63	288094	107.222	ug/L	100
38) Bromodichloromethane	6.53	83	371450	104.928	ug/L	97
39) cis-1,3-Dichloropropene	7.04	75	424273	108.310	ug/L	97
40) 4-Methyl-2-pentanone	7.24	43	914288	239.199	ug/L	99

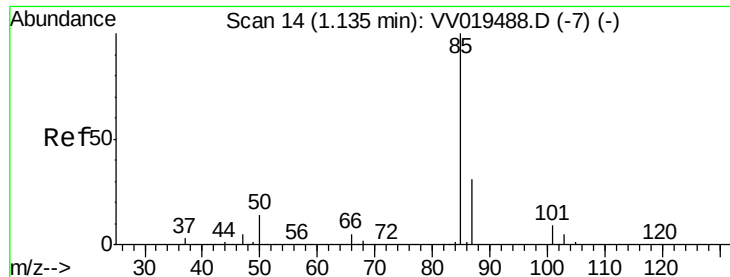
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.41	91	990282	100.631	ug/L	100
44) trans-1,3-Dichloropropene	7.67	75	427612	109.733	ug/L	100
45) 1,1,2-Trichloroethane	7.86	97	251596	101.667	ug/L	98
46) Tetrachloroethene	7.99	164	157317	87.185	ug/L	97
48) 2-Hexanone	8.15	43	710763	234.490	ug/L	99
49) Dibromochloromethane	8.26	129	267676	98.993	ug/L	99
50) 1,2-Dibromoethane	8.37	107	251231	96.777	ug/L	99
51) Chlorobenzene	8.90	112	611802	94.376	ug/L	100
52) Ethylbenzene	9.03	91	1101200	103.966	ug/L	100
53) m,p-Xylene	9.15	106	387910	99.931	ug/L	98
54) o-xylene	9.56	106	384614	101.808	ug/L	99
55) Styrene	9.58	104	702627	103.658	ug/L	99
56) Isopropylbenzene	9.95	105	1052839	105.373	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.26	83	411852	108.360	ug/L	97
59) 1,2,3-Trichloropropane	10.29	75	350967	101.000	ug/L	100
61) Bromoform	9.75	173	194581	104.271	ug/L	98
62) 1,3-Dichlorobenzene	11.20	146	488137	102.731	ug/L	99
63) 1,4-Dichlorobenzene	11.29	146	495279	99.289	ug/L	98
65) 1,2-Dichlorobenzene	11.66	146	502015	102.689	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.45	75	108296	124.895	ug/L	98
67) 1,3,5-Trichlorobenzene	12.67	180	375819	107.865	ug/L	100
68) 1,2,4-trichlorobenzene	13.28	180	357724	116.280	ug/L	100
69) Naphthalene	13.52	128	1016734	129.883	ug/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	359159	111.986	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 57.614 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

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MSVOA_V

ClientSampleId :

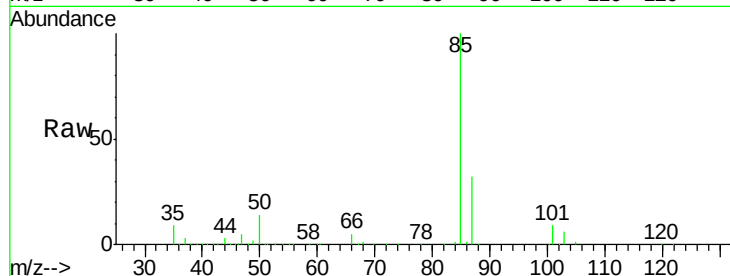
VSTD10062

Tgt Ion: 85 Resp: 141844

Ion Ratio Lower Upper

85 100

87 31.8 25.4 38.0



Abundance Ion 85.00 (84.70 to 85.70): VV019488.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VV019488.D (-7) (-)

1.14

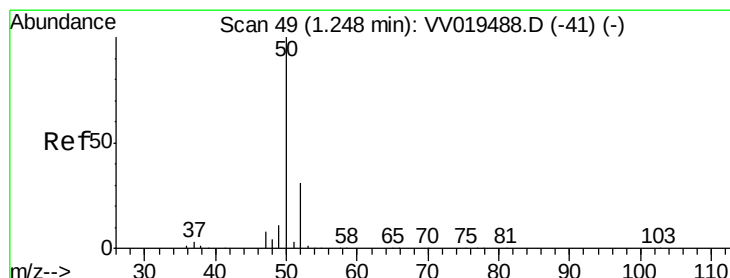
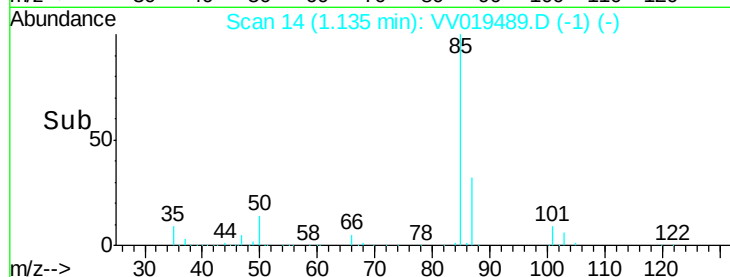
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 49.820 ug/L

RT: 1.25 min Scan# 49

Delta R.T. 0.00 min

Lab File: VV019489.D

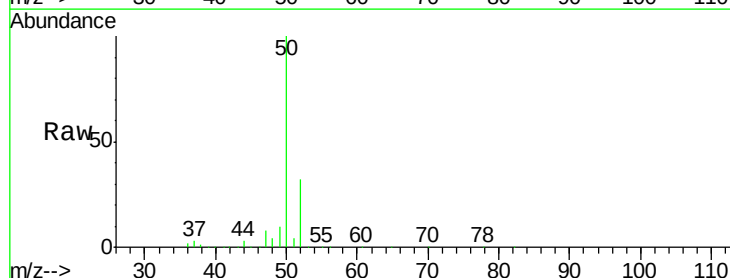
Acq: 07 Dec 2020 13:20

Tgt Ion: 50 Resp: 161051

Ion Ratio Lower Upper

50 100

52 32.1 21.7 40.3



Abundance Ion 50.00 (49.70 to 50.70): VV019488.D (-41) (-)

Ion 52.00 (51.70 to 52.70): VV019488.D (-41) (-)

1.25

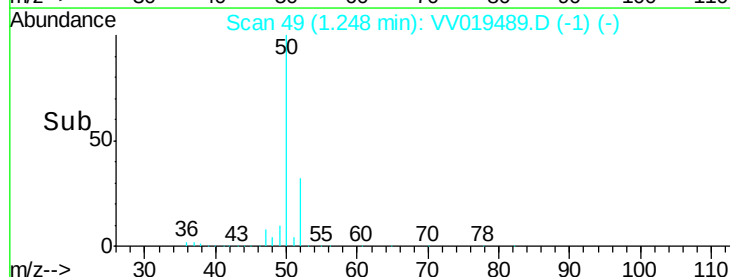
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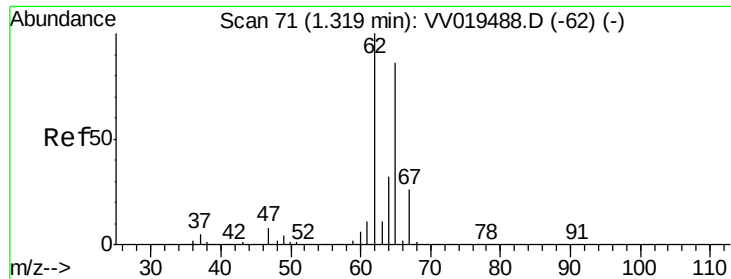
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50000

0

Time-->





#5

Vinyl chloride

Concen: 59.942 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV019489.D

Acq: 07 Dec 2020 13:20

Instrument :

MSVOA_V

ClientSampleId :

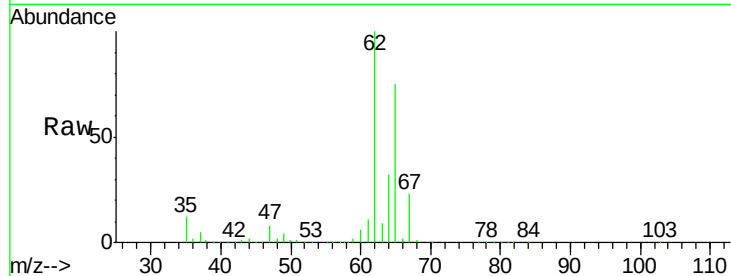
VSTD10062

Tgt Ion: 62 Resp: 192257

Ion Ratio Lower Upper

62 100

64 32.0 22.6 42.0



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0

200000

150000

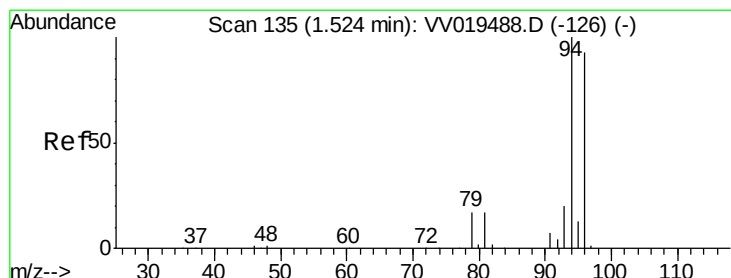
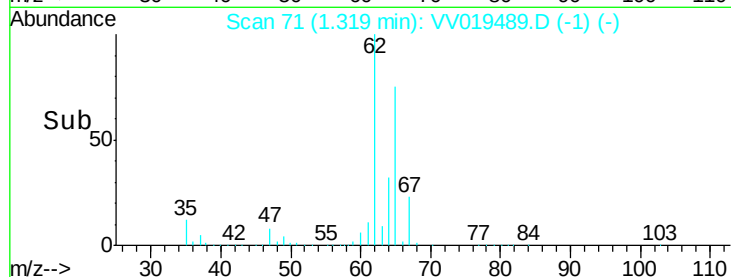
100000

50000

0

1.25 1.30 1.35 1.40

Time-->



#6

Bromomethane

Concen: 79.494 ug/L

RT: 1.52 min Scan# 133

Delta R.T. -0.01 min

Lab File: VV019489.D

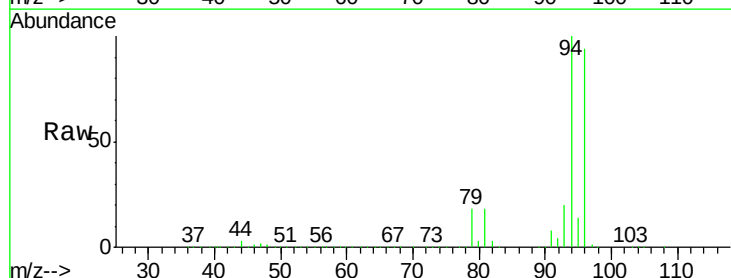
Acq: 07 Dec 2020 13:20

Tgt Ion: 94 Resp: 166672

Ion Ratio Lower Upper

94 100

96 93.9 65.3 121.3



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

150000

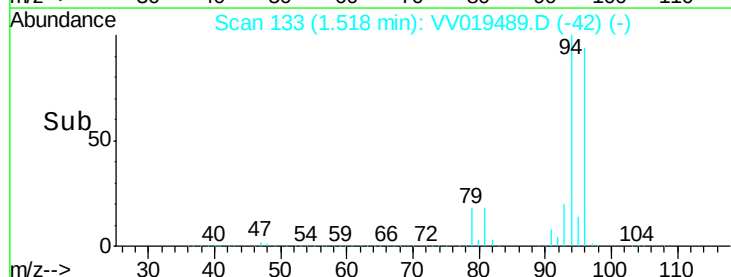
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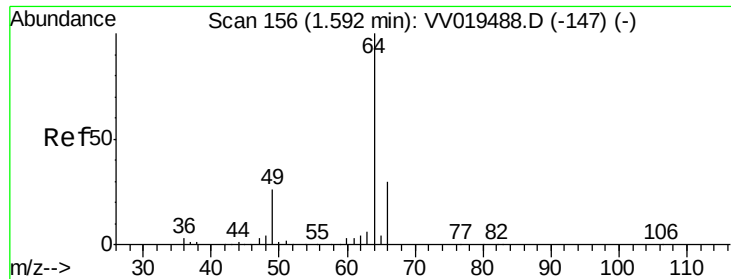
50000

0

1.45 1.50 1.55 1.60

Time-->





#8

Chloroethane

Concen: 72.621 ug/L

RT: 1.59 min Scan# 155

Delta R.T. -0.00 min

Lab File: VV019489.D

Acq: 07 Dec 2020 13:20

Instrument :

MSVOA_V

ClientSampleId :

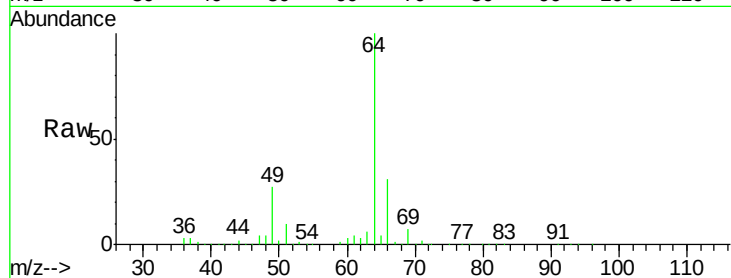
VSTD10062

Tgt Ion: 64 Resp: 150349

Ion Ratio Lower Upper

64 100

66 31.4 21.4 39.8



Abundance Ion 64.00 (63.70 to 64.70): VV019488.D (-147) (-)

Ion 66.00 (65.70 to 66.70): VV019488.D (-147) (-)

1.59

150000

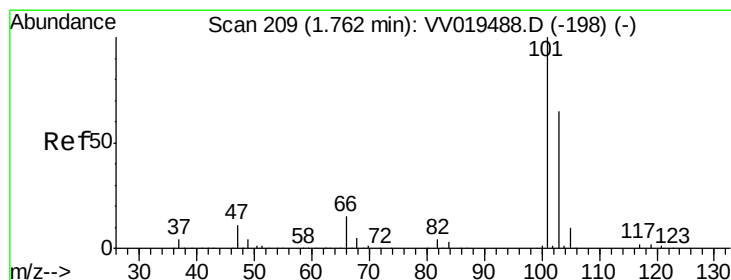
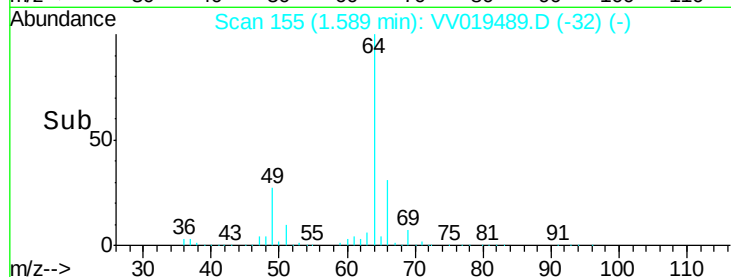
100000

50000

0

Time-->

1.55 1.60 1.65



#9

Trichlorofluoromethane

Concen: 77.002 ug/L

RT: 1.76 min Scan# 208

Delta R.T. -0.00 min

Lab File: VV019489.D

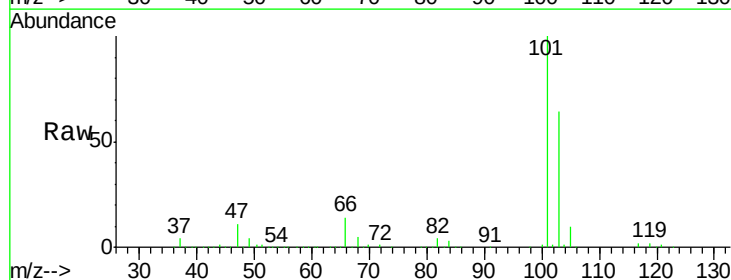
Acq: 07 Dec 2020 13:20

Tgt Ion: 101 Resp: 318400

Ion Ratio Lower Upper

101 100

103 64.0 51.5 77.3



Abundance Ion 101.00 (100.70 to 101.70): VV019488.D (-198) (-)

Ion 103.00 (102.70 to 103.70): VV019488.D (-198) (-)

1.76

250000

200000

150000

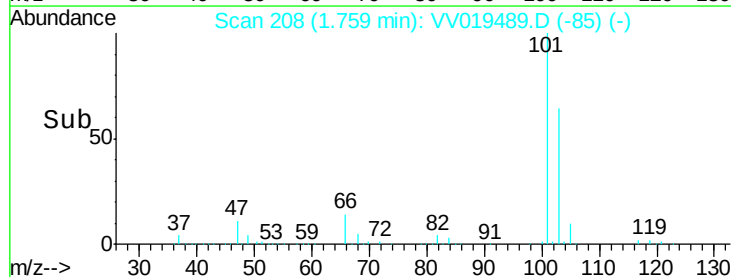
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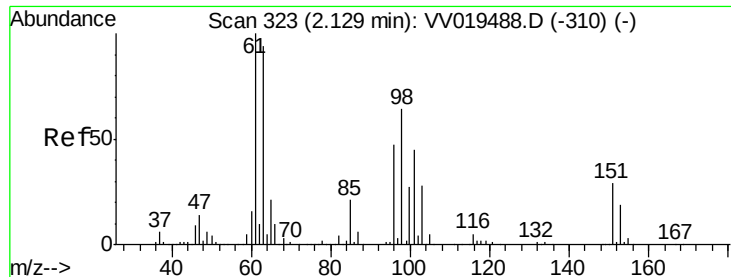
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0

Time-->

1.70 1.75 1.80 1.85





#10

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

Concen: 83.008 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV019489.D

Acq: 07 Dec 2020 13:20

Instrument :

MSVOA_V

ClientSampleId :

VSTD10062

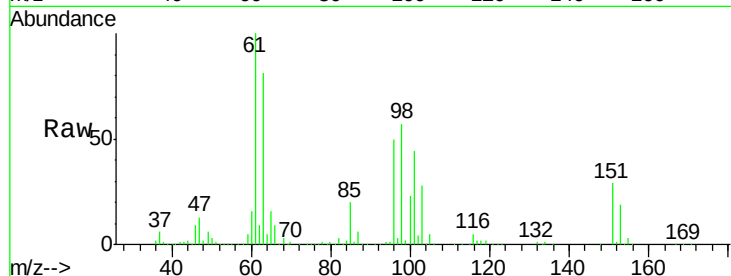
Tgt Ion: 101 Resp: 187110

Ion Ratio Lower Upper

101 100

85 46.1 37.3 55.9

151 66.5 53.3 79.9



Abundance Ion 101.00 (100.70 to 101.70): VV019488.D (-310) (-)

Ion 85.00 (84.70 to 85.70): VV019488.D (-310) (-)

Ion 151.00 (150.70 to 151.70): VV019488.D (-310) (-)

2.13

150000

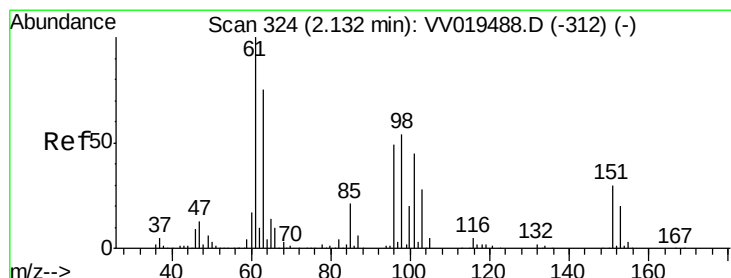
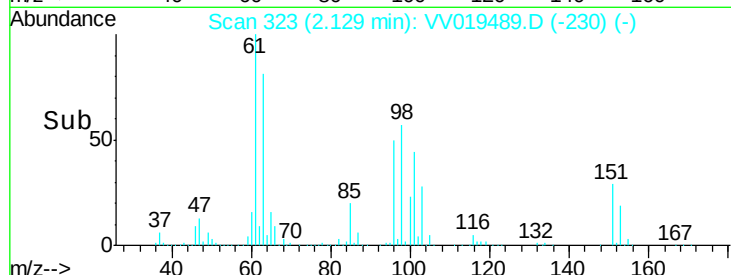
100000

50000

0

Time-->

2.05 2.10 2.15 2.20



#12

1,1-Dichloroethene

Concen: 77.679 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV019489.D

Acq: 07 Dec 2020 13:20

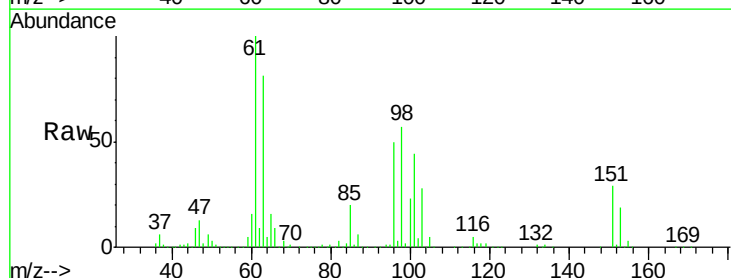
Tgt Ion: 96 Resp: 178858

Ion Ratio Lower Upper

96 100

61 201.3 144.8 268.8

63 163.9 110.0 204.2



Abundance Ion 96.00 (95.70 to 96.70): VV019488.D (-312) (-)

Ion 61.00 (60.70 to 61.70): VV019488.D (-312) (-)

Ion 63.00 (62.70 to 63.70): VV019488.D (-312) (-)

2.13

400000

300000

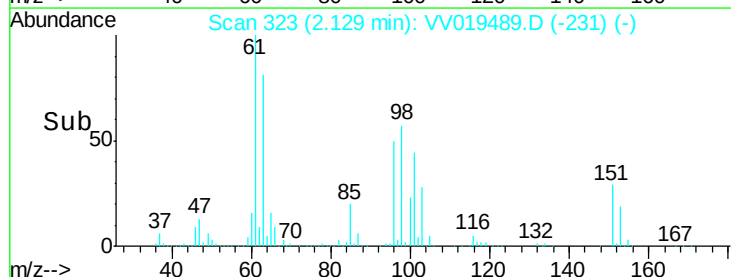
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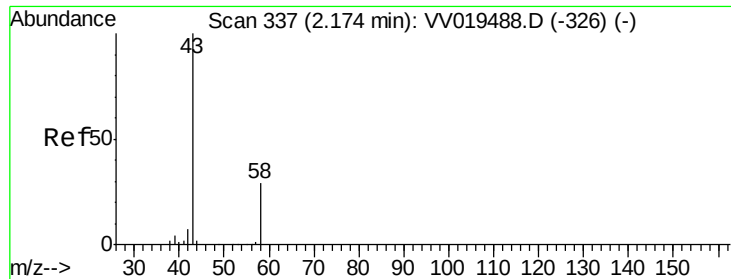
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Time-->

2.05 2.10 2.15 2.20





#13

Acetone

Concen: 205.986 ug/L

RT: 2.17 min Scan# 336

Delta R.T. -0.00 min

Lab File: VV019489.D

Acq: 07 Dec 2020 13:20

Instrument :

MSVOA_V

ClientSampleId :

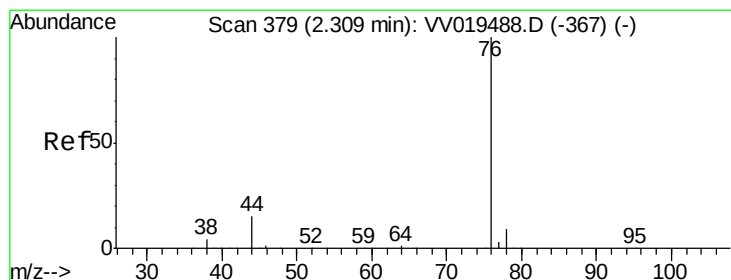
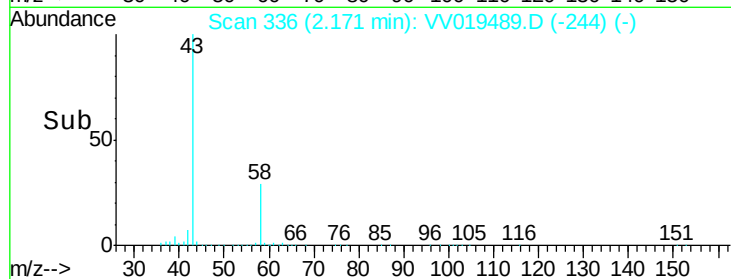
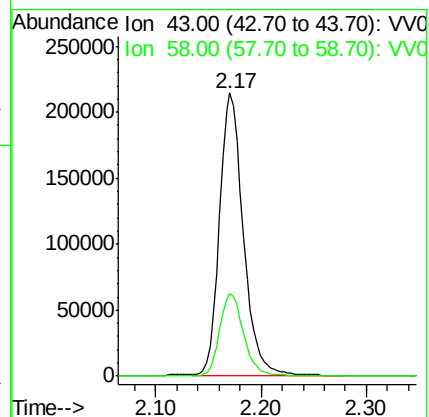
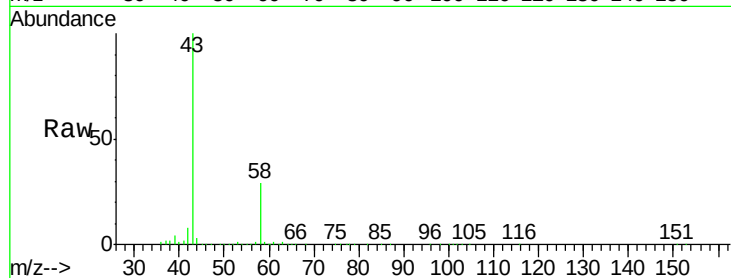
VSTD10062

Tgt Ion: 43 Resp: 334975

Ion Ratio Lower Upper

43 100

58 29.3 0.0 58.0



#14

Carbon disulfide

Concen: 72.753 ug/L

RT: 2.31 min Scan# 378

Delta R.T. -0.00 min

Lab File: VV019489.D

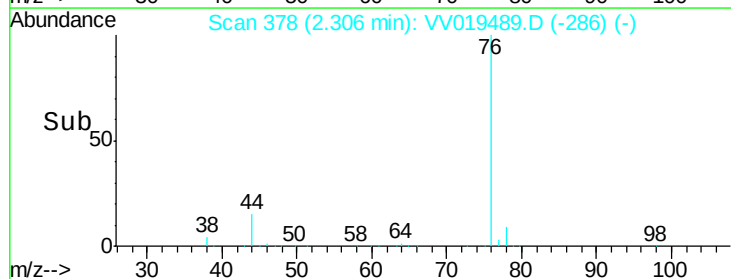
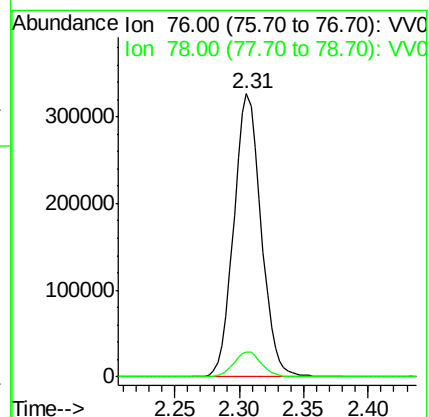
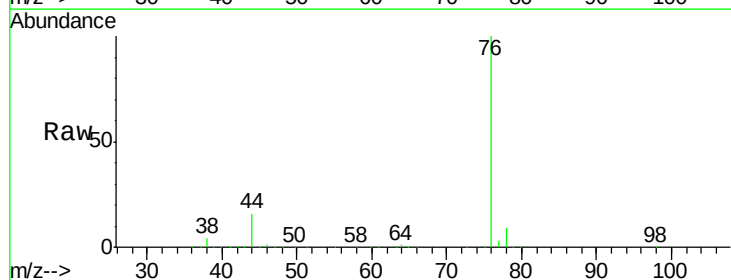
Acq: 07 Dec 2020 13:20

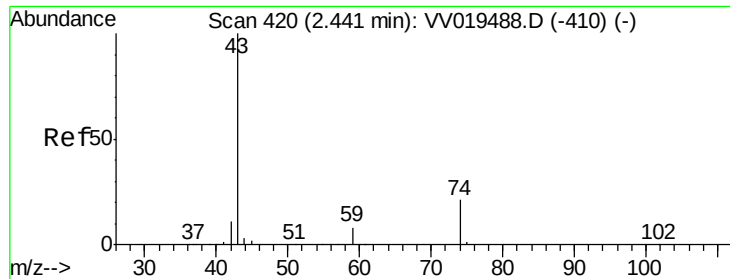
Tgt Ion: 76 Resp: 480689

Ion Ratio Lower Upper

76 100

78 9.0 7.4 11.0

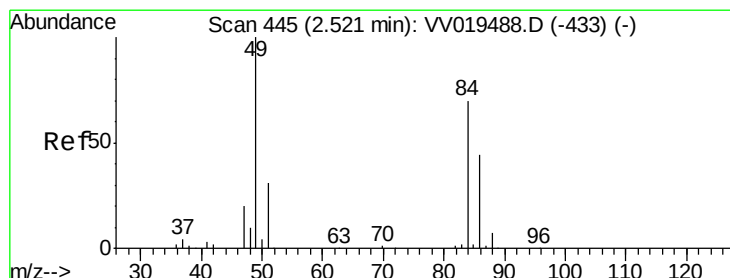
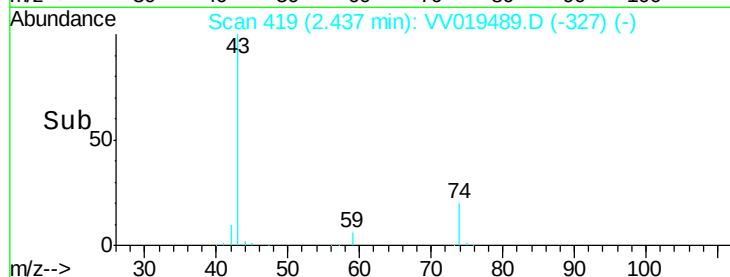
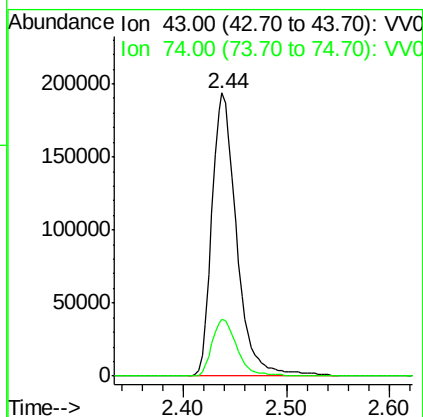
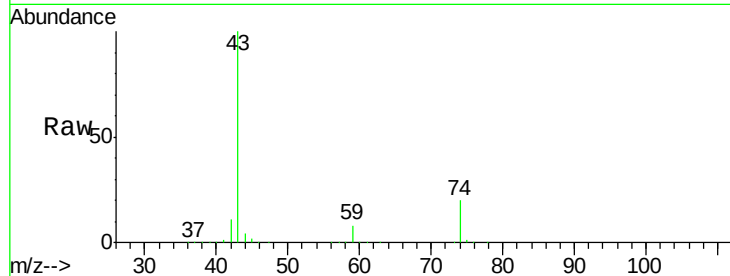




#15
Methyl Acetate
Concen: 101.468 ug/L
RT: 2.44 min Scan# 419
Delta R.T. -0.00 min
Lab File: VV019489.D
Acq: 07 Dec 2020 13:20

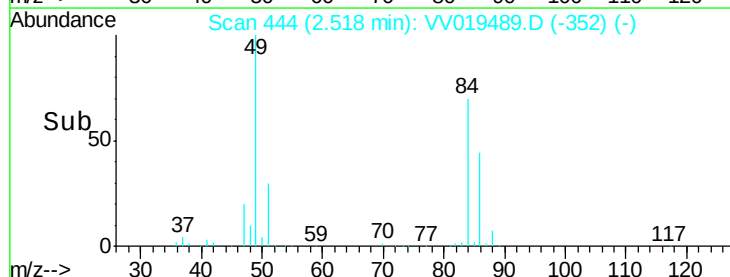
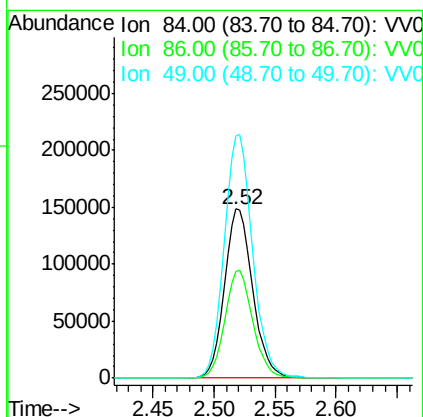
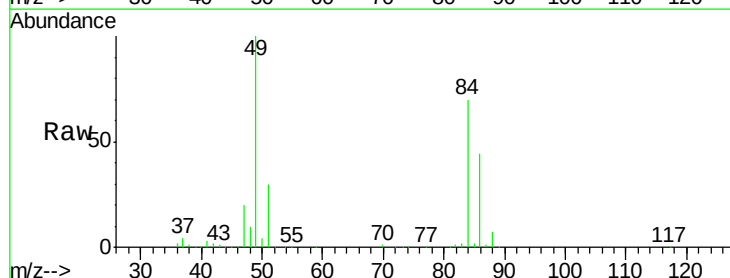
Instrument :
MSVOA_V
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VSTD10062

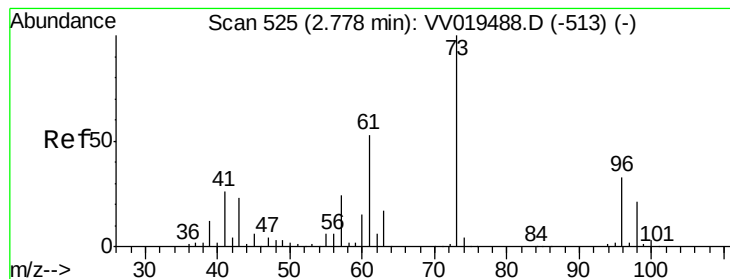
Tgt Ion: 43 Resp: 319857
Ion Ratio Lower Upper
43 100
74 20.4 16.2 24.4



#16
Methylene chloride
Concen: 87.641 ug/L
RT: 2.52 min Scan# 444
Delta R.T. -0.00 min
Lab File: VV019489.D
Acq: 07 Dec 2020 13:20

Tgt Ion: 84 Resp: 241397
Ion Ratio Lower Upper
84 100
86 63.5 44.4 82.4
49 143.7 100.4 186.4





#17

trans-1,2-Dichloroethene

Concen: 87.782 ug/L

RT: 2.78 min Scan# 524

Delta R.T. -0.00 min

Lab File: VV019489.D

Acq: 07 Dec 2020 13:20

Instrument :

MSVOA_V

ClientSampleId :

VSTD10062

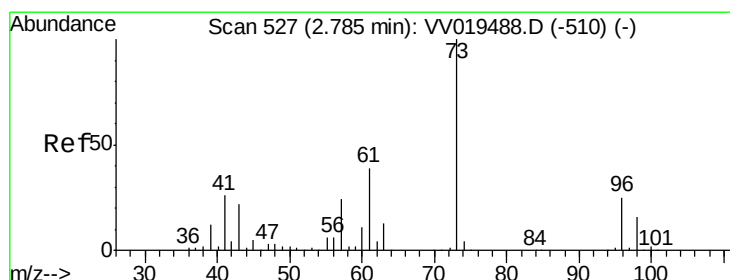
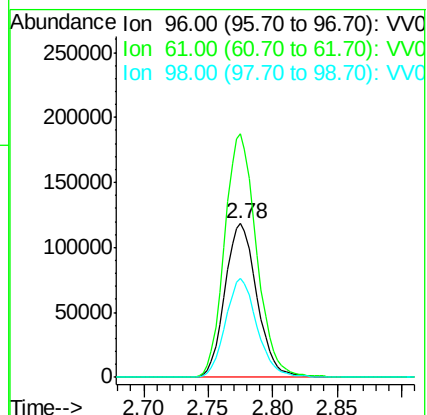
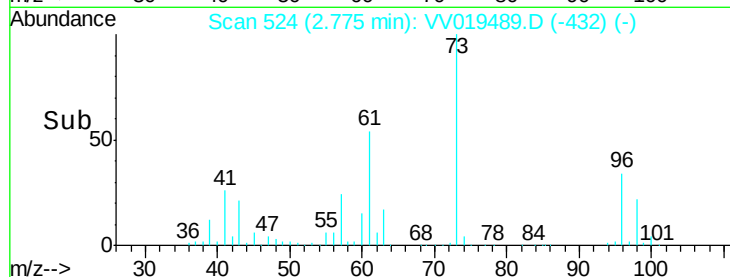
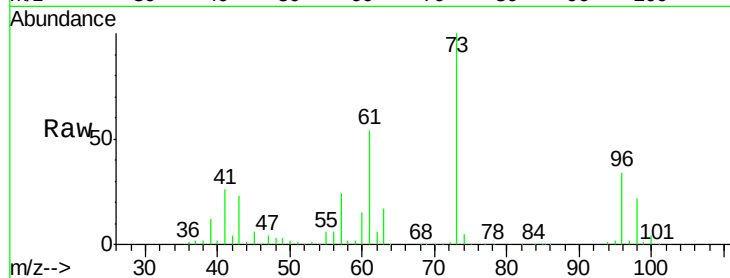
Tgt Ion: 96 Resp: 204581

Ion Ratio Lower Upper

96 100

61 158.4 112.5 208.9

98 64.0 43.4 80.6



#18

Methyl tert-butyl Ether

Concen: 103.403 ug/L

RT: 2.78 min Scan# 526

Delta R.T. -0.00 min

Lab File: VV019489.D

Acq: 07 Dec 2020 13:20

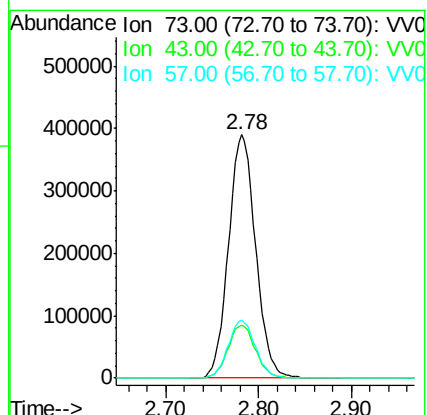
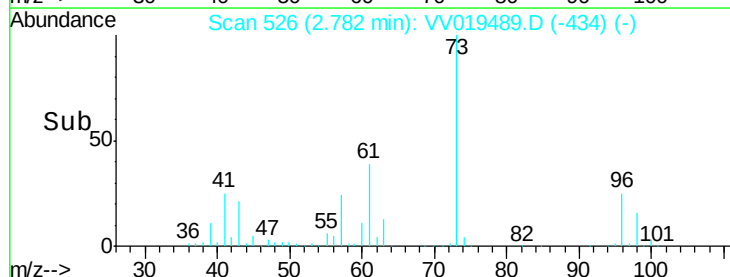
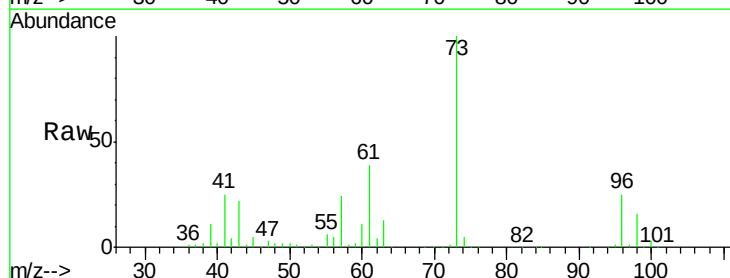
Tgt Ion: 73 Resp: 789884

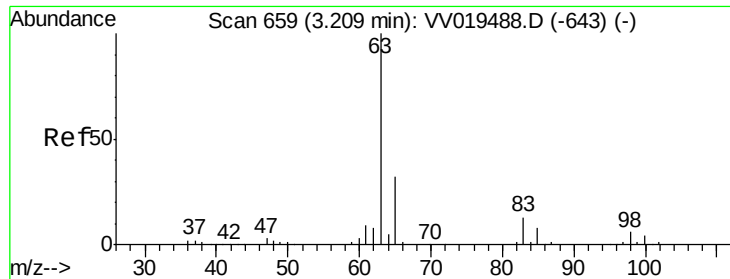
Ion Ratio Lower Upper

73 100

43 22.0 18.0 27.0

57 23.9 19.4 29.2

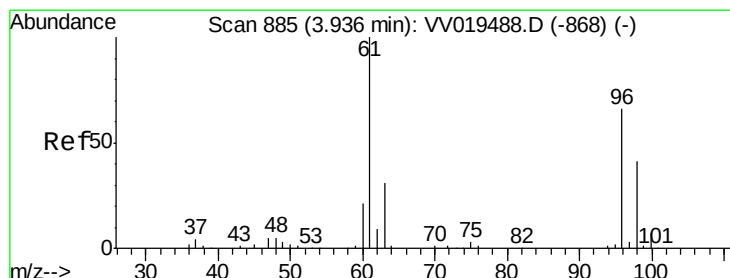
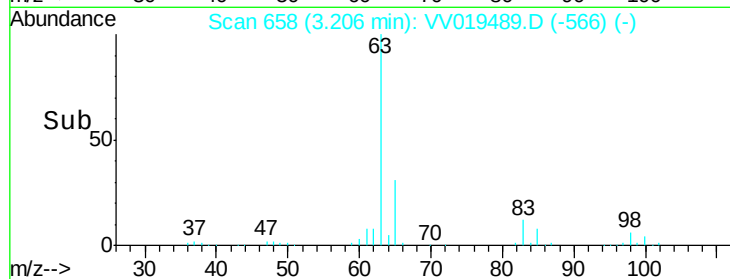
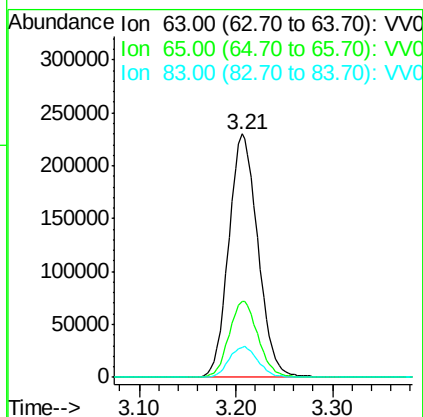
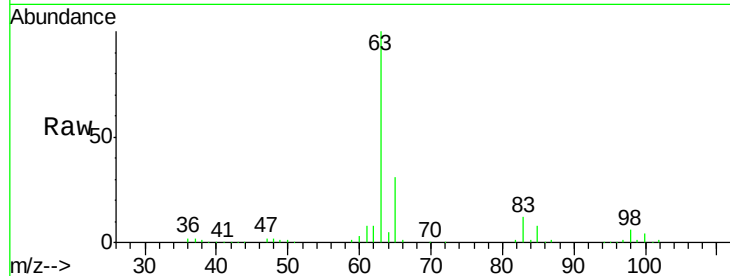




#19
 1,1-Dichloroethane
 Concen: 98.163 ug/L
 RT: 3.21 min Scan# 658
 Delta R.T. -0.00 min
 Lab File: VV019489.D
 Acq: 07 Dec 2020 13:20

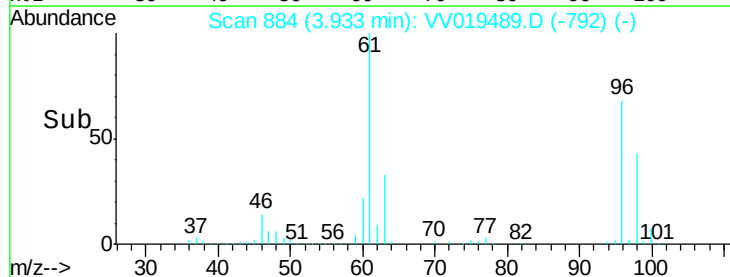
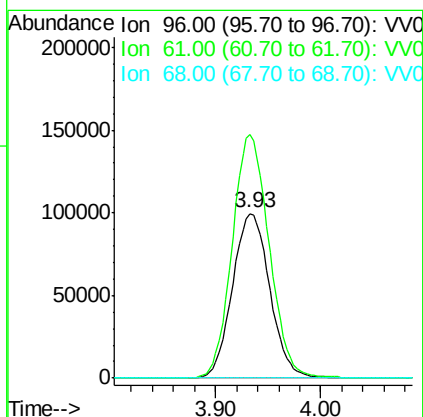
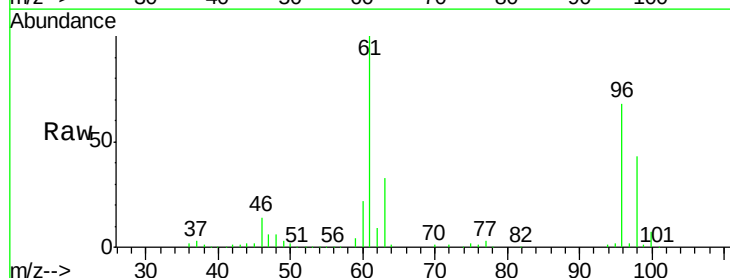
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10062

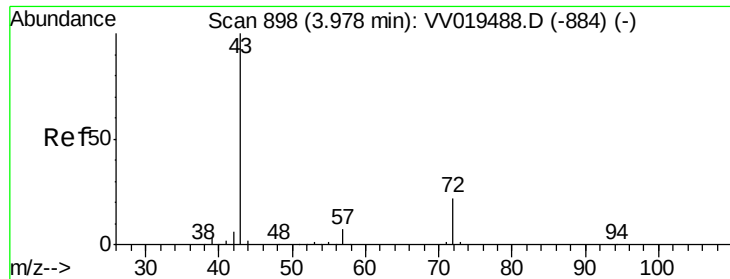
Tgt Ion: 63 Resp: 481776
 Ion Ratio Lower Upper
 63 100
 65 31.0 22.2 41.2
 83 12.5 9.2 17.2



#20
 cis-1,2-Dichloroethene
 Concen: 94.585 ug/L
 RT: 3.93 min Scan# 884
 Delta R.T. -0.00 min
 Lab File: VV019489.D
 Acq: 07 Dec 2020 13:20

Tgt Ion: 96 Resp: 244562
 Ion Ratio Lower Upper
 96 100
 61 147.9 106.2 197.2
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 235.836 ug/L

RT: 3.97 min Scan# 897

Delta R.T. -0.00 min

Lab File: VV019489.D

Acq: 07 Dec 2020 13:20

Instrument :

MSVOA_V

ClientSampleId :

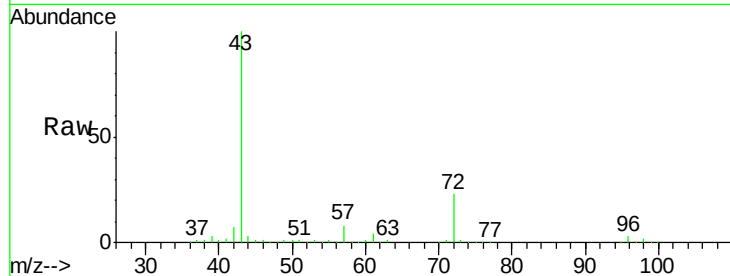
VSTD10062

Tgt Ion: 43 Resp: 496632

Ion Ratio Lower Upper

43 100

72 23.2 11.5 34.5



Abundance Ion 43.00 (42.70 to 43.70): VV019488.D (-884) (-)

Ion 72.00 (71.70 to 72.70): VV019488.D (-884) (-)

3.97

200000

150000

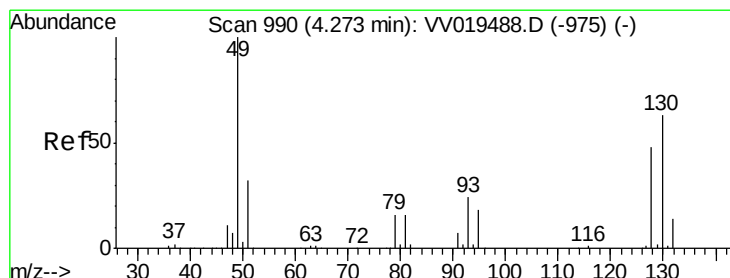
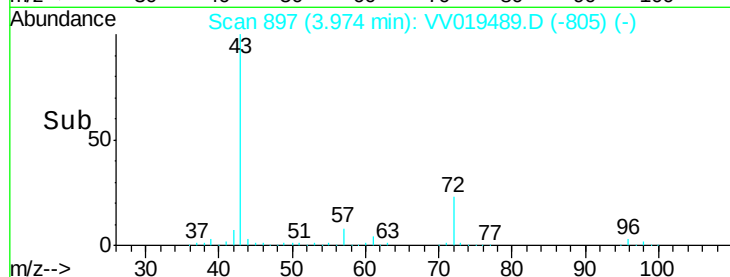
100000

50000

0

3.90 4.00 4.10

Time-->



#23

Bromochloromethane

Concen: 88.367 ug/L

RT: 4.27 min Scan# 989

Delta R.T. -0.00 min

Lab File: VV019489.D

Acq: 07 Dec 2020 13:20

Tgt Ion: 128 Resp: 120180

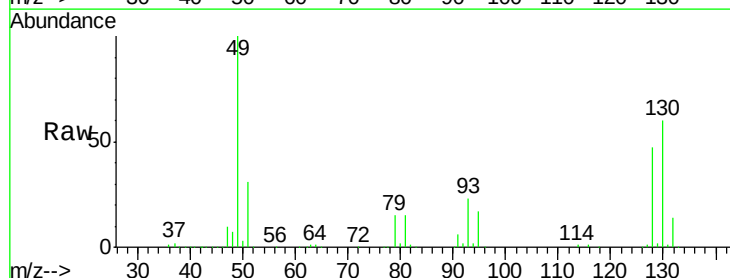
Ion Ratio Lower Upper

128 100

49 211.9 145.7 270.5

130 128.0 91.3 169.5

51 66.0 53.4 80.2



Abundance Ion 128.00 (127.70 to 128.70): VV019489.D (-897) (-)

Ion 49.00 (48.70 to 49.70): VV019489.D (-897) (-)

Ion 130.00 (129.70 to 130.70): VV019489.D (-897) (-)

Ion 51.00 (50.70 to 51.70): VV019489.D (-897) (-)

150000

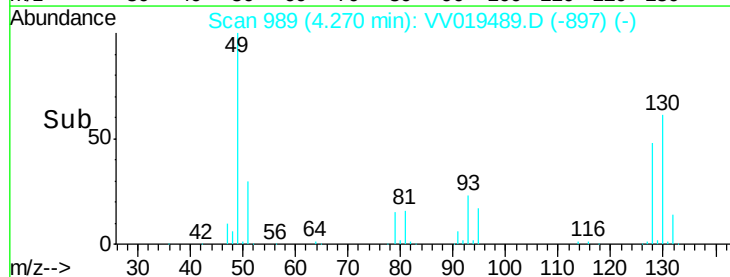
100000

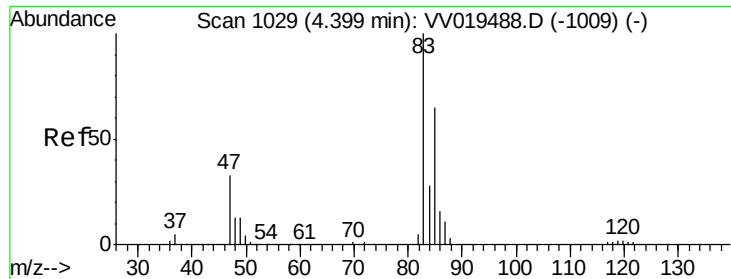
50000

0

4.20 4.30 4.40

Time-->

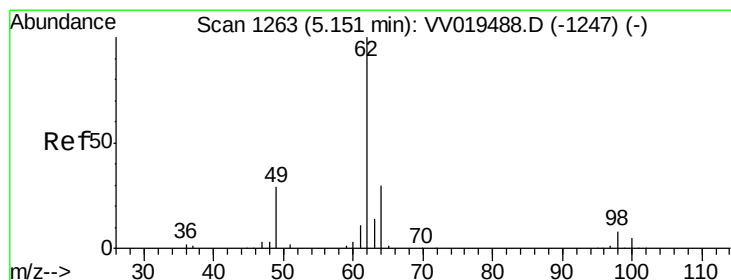
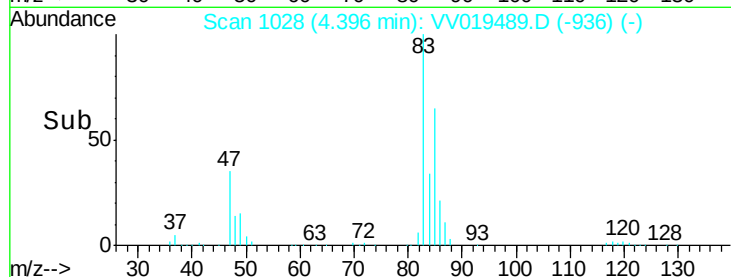
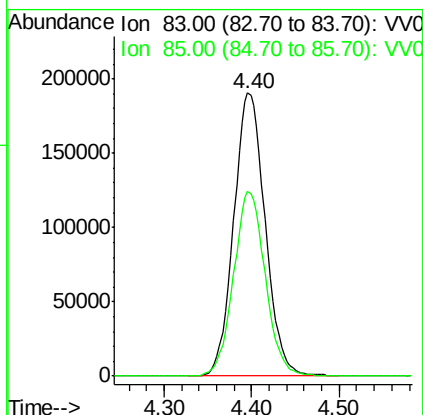
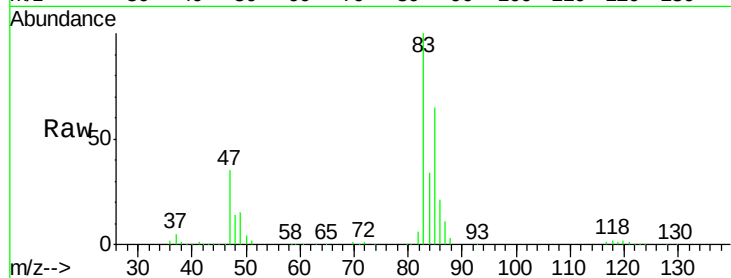




#25
Chloroform
Concen: 96.417 ug/L
RT: 4.40 min Scan# 1028
Delta R.T. -0.00 min
Lab File: VV019489.D
Acq: 07 Dec 2020 13:20

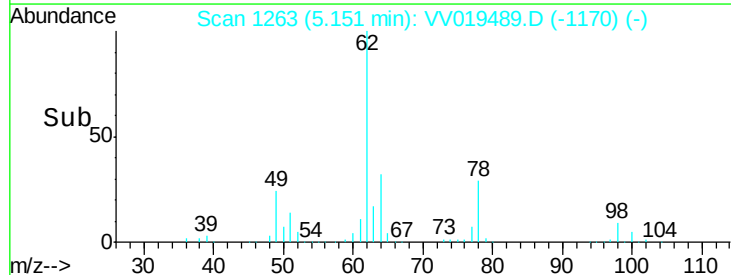
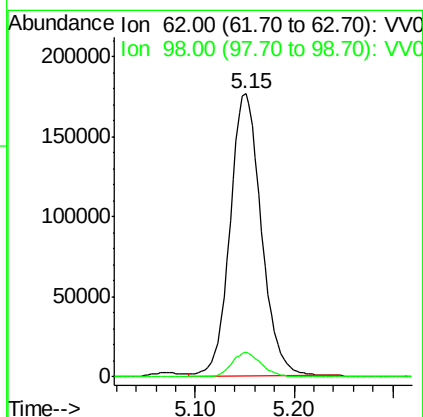
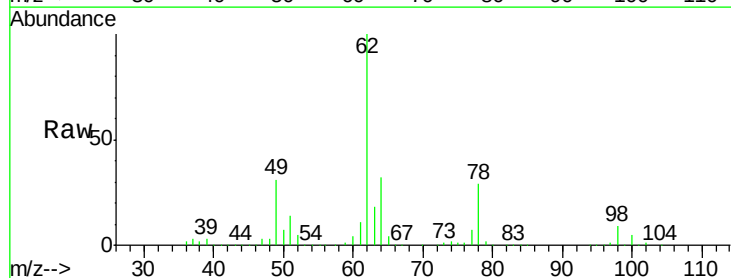
Instrument :
MSVOA_V
ClientSampleId :
VSTD10062

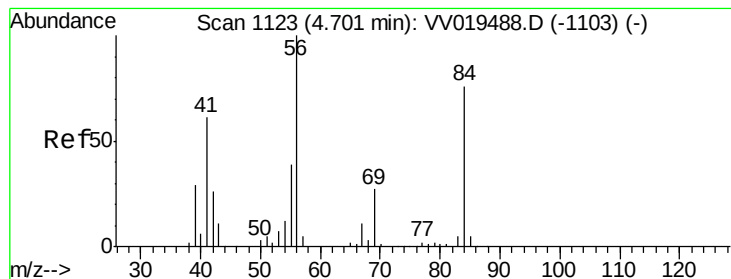
Tgt Ion: 83 Resp: 475138
Ion Ratio Lower Upper
83 100
85 65.3 45.4 84.2



#27
1,2-Dichloroethane
Concen: 100.052 ug/L
RT: 5.15 min Scan# 1263
Delta R.T. 0.00 min
Lab File: VV019489.D
Acq: 07 Dec 2020 13:20

Tgt Ion: 62 Resp: 390321
Ion Ratio Lower Upper
62 100
98 8.6 6.4 9.6





#29

Cyclohexane

Concen: 106.819 ug/L

RT: 4.70 min Scan# 1123

Delta R.T. 0.00 min

Lab File: VV019489.D

Acq: 07 Dec 2020 13:20

Instrument :

MSVOA_V

ClientSampleId :

VSTD10062

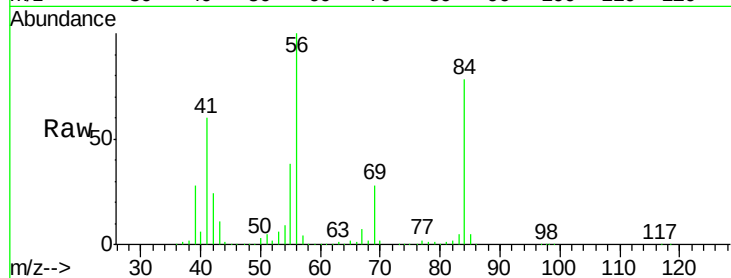
Tgt Ion: 56 Resp: 359372

Ion Ratio Lower Upper

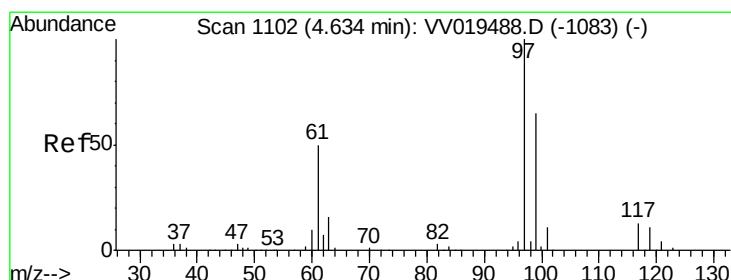
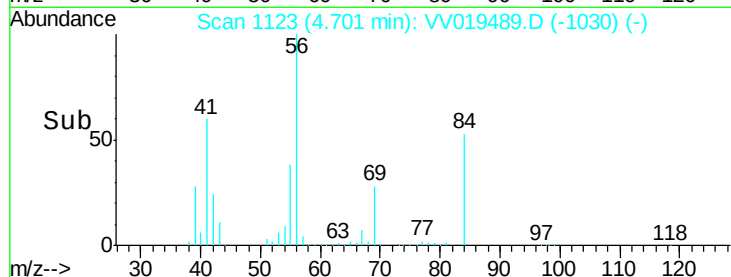
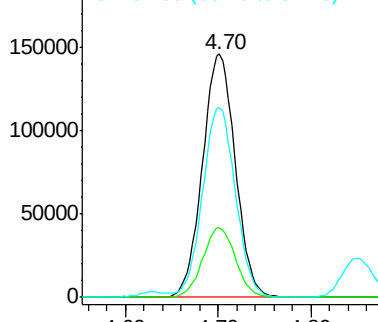
56 100

69 28.6 22.6 34.0

84 77.5 61.9 92.9



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: 101.845 ug/L

RT: 4.63 min Scan# 1101

Delta R.T. -0.00 min

Lab File: VV019489.D

Acq: 07 Dec 2020 13:20

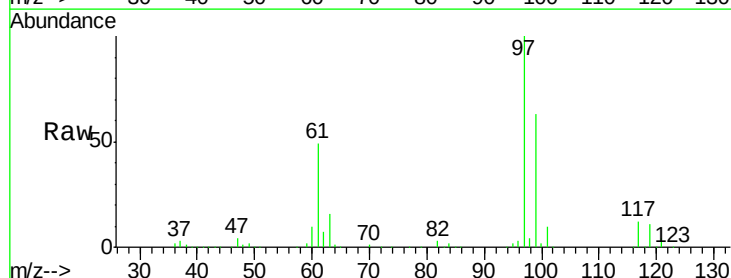
Tgt Ion: 97 Resp: 396046

Ion Ratio Lower Upper

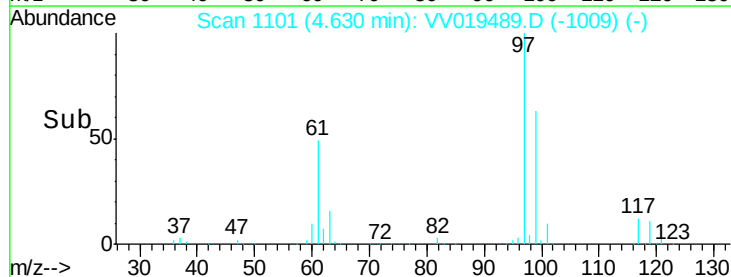
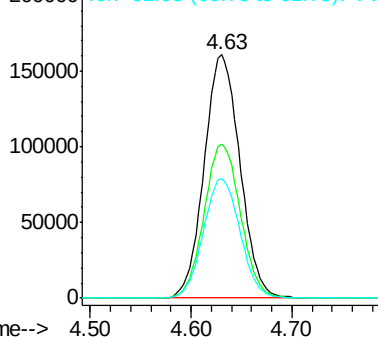
97 100

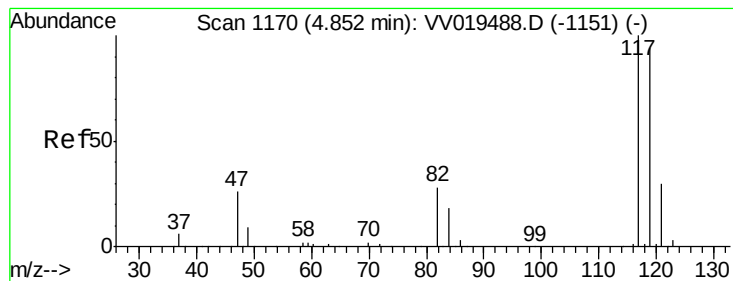
99 64.3 51.3 76.9

61 50.2 40.4 60.6



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: 97.565 ug/L

RT: 4.85 min Scan# 1169

Delta R.T. -0.00 min

Lab File: VV019489.D

Acq: 07 Dec 2020 13:20

Instrument :

MSVOA_V

ClientSampleId :

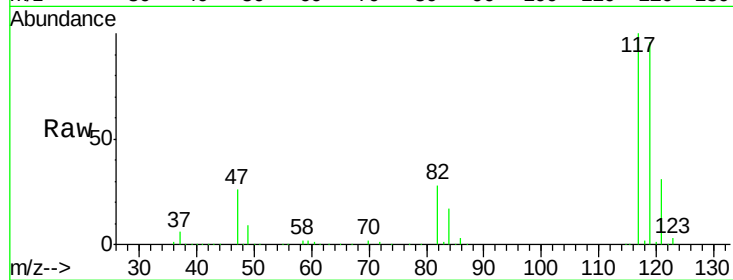
VSTD10062

Tgt Ion:117 Resp: 323398

Ion Ratio Lower Upper

117 100

119 95.2 75.4 113.2



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

4.85

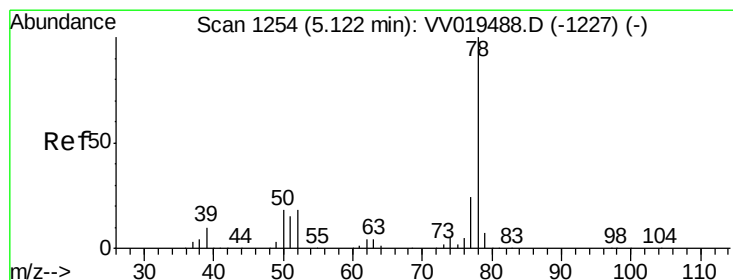
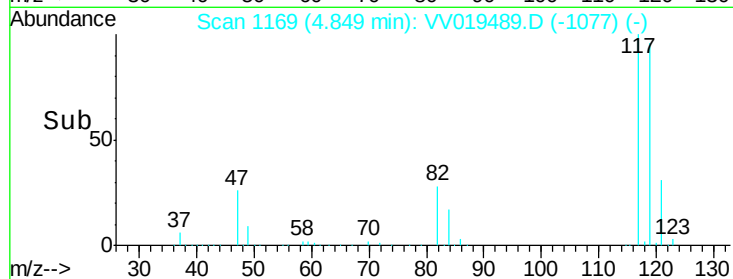
150000

100000

50000

0

Time-->



#33

Benzene

Concen: 100.275 ug/L

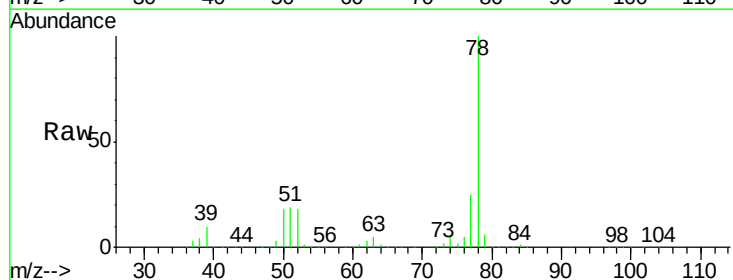
RT: 5.12 min Scan# 1253

Delta R.T. -0.00 min

Lab File: VV019489.D

Acq: 07 Dec 2020 13:20

Tgt Ion: 78 Resp: 956979



Abundance Ion 78.00 (77.70 to 78.70): VV0

500000

400000

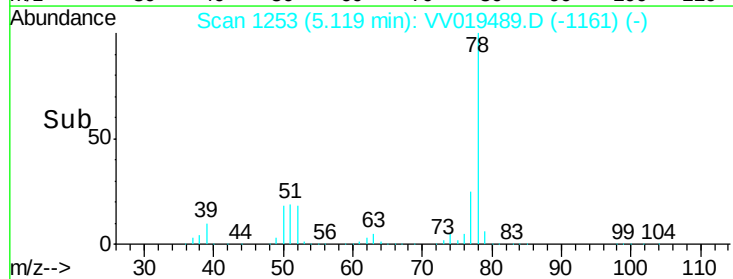
300000

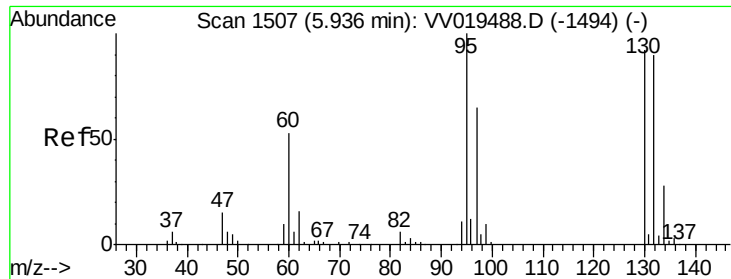
200000

100000

0

Time-->





#34

Trichloroethene

Concen: 93.662 ug/L

RT: 5.93 min Scan# 1506

Delta R.T. -0.00 min

Lab File: VV019489.D

Acq: 07 Dec 2020 13:20

Instrument :

MSVOA_V

ClientSampleId :

VSTD10062

Tgt Ion: 95 Resp: 249318

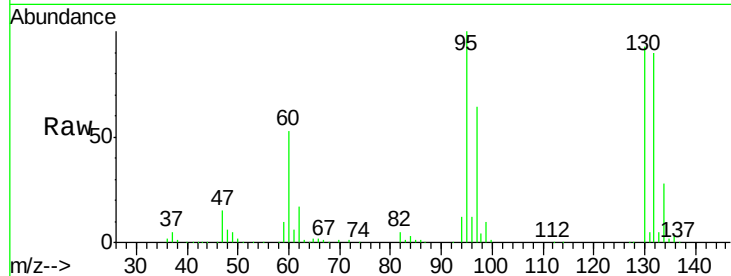
Ion Ratio Lower Upper

95 100

97 63.7 45.5 84.5

132 90.4 62.9 116.9

130 92.9 64.8 120.3



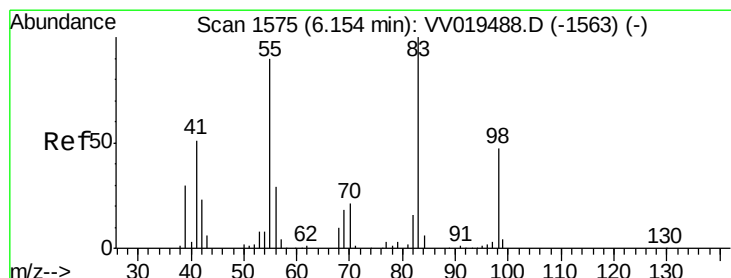
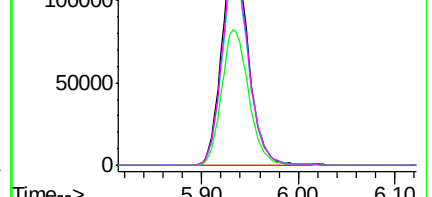
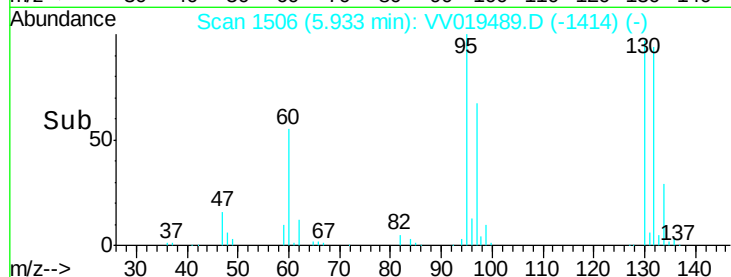
Abundance Ion 95.00 (94.70 to 95.70): VV019488.D (-1494) (-)

Ion 97.00 (96.70 to 97.70): VV019488.D (-1494) (-)

Ion 132.00 (131.70 to 132.70): VV019488.D (-1494) (-)

Ion 130.00 (129.70 to 130.70): VV019488.D (-1494) (-)

Time-->



#35

Methylcyclohexane

Concen: 102.462 ug/L

RT: 6.15 min Scan# 1574

Delta R.T. -0.00 min

Lab File: VV019489.D

Acq: 07 Dec 2020 13:20

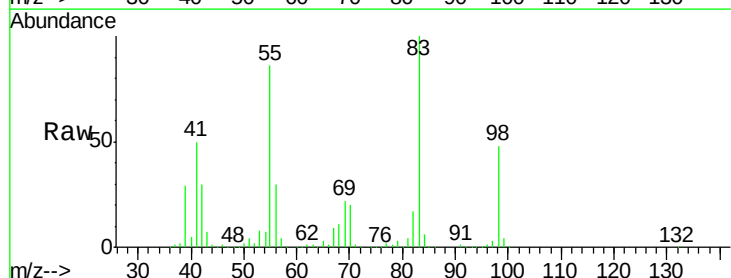
Tgt Ion: 83 Resp: 321469

Ion Ratio Lower Upper

83 100

55 86.8 69.8 104.8

98 47.6 37.0 55.6

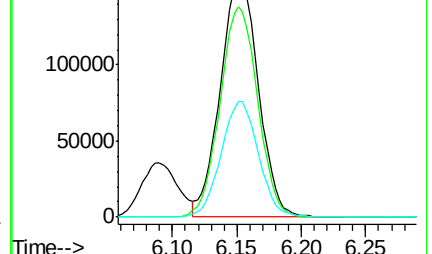
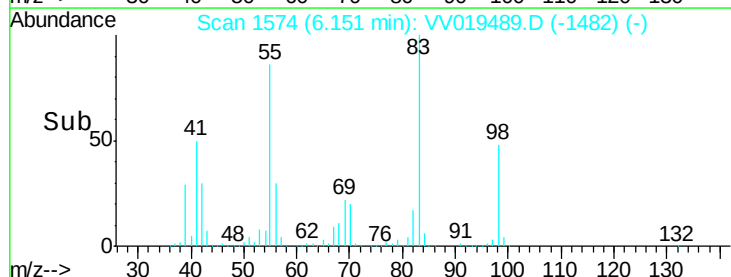


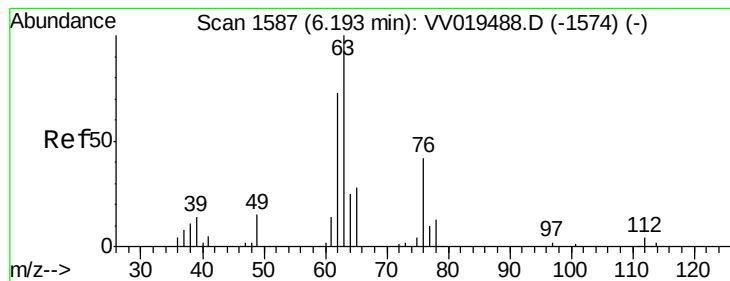
Abundance Ion 83.00 (82.70 to 83.70): VV019488.D (-1563) (-)

Ion 55.00 (54.70 to 55.70): VV019488.D (-1563) (-)

Ion 98.00 (97.70 to 98.70): VV019488.D (-1563) (-)

Time-->





#37

1,2-Dichloropropane

Concen: 107.222 ug/L

RT: 6.19 min Scan# 1587

Delta R.T. 0.00 min

Lab File: VV019489.D

Acq: 07 Dec 2020 13:20

Instrument :

MSVOA_V

ClientSampleId :

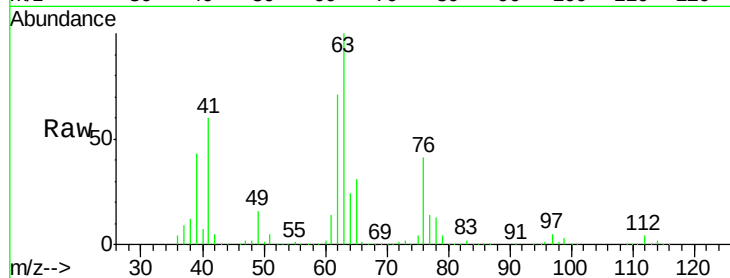
VSTD10062

Tgt Ion: 63 Resp: 288094

Ion Ratio Lower Upper

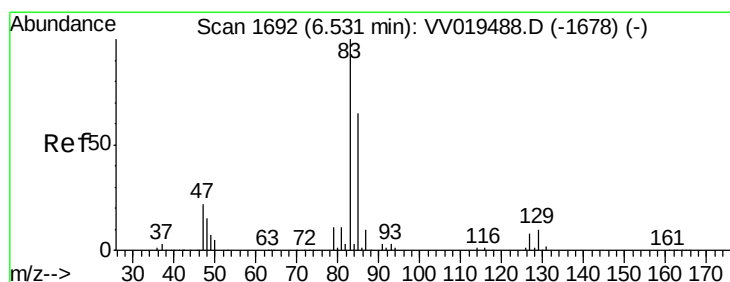
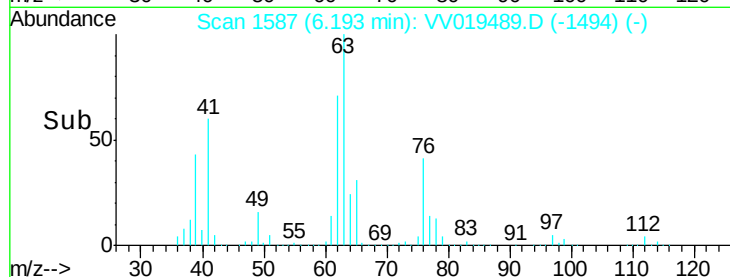
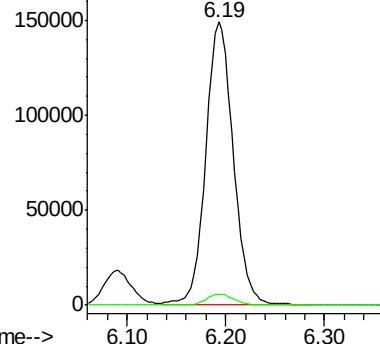
63 100

112 3.9 3.1 4.7



Abundance Ion 63.00 (62.70 to 63.70): VV0

Ion 112.00 (111.70 to 112.70): V



#38

Bromodichloromethane

Concen: 104.928 ug/L

RT: 6.53 min Scan# 1691

Delta R.T. -0.00 min

Lab File: VV019489.D

Acq: 07 Dec 2020 13:20

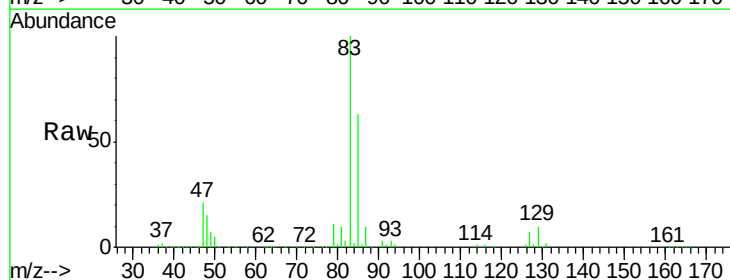
Tgt Ion: 83 Resp: 371450

Ion Ratio Lower Upper

83 100

85 62.5 45.5 84.5

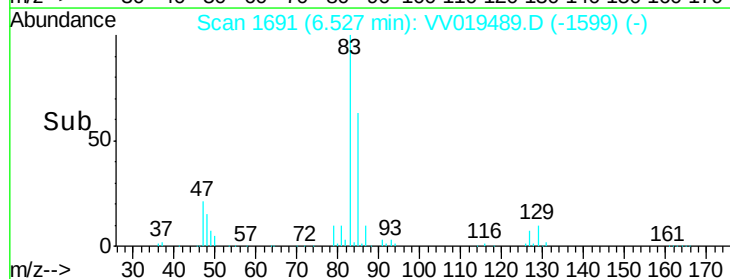
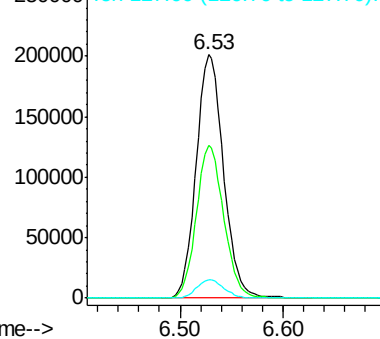
127 7.5 6.4 9.6

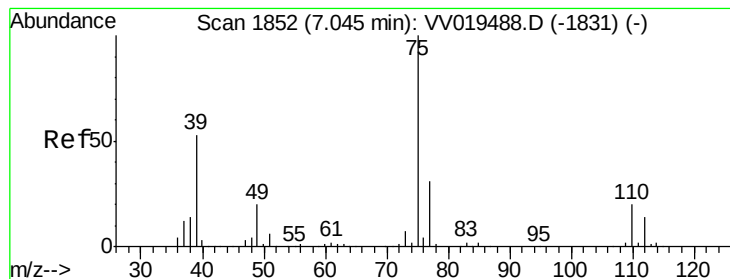


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 127.00 (126.70 to 127.70): V



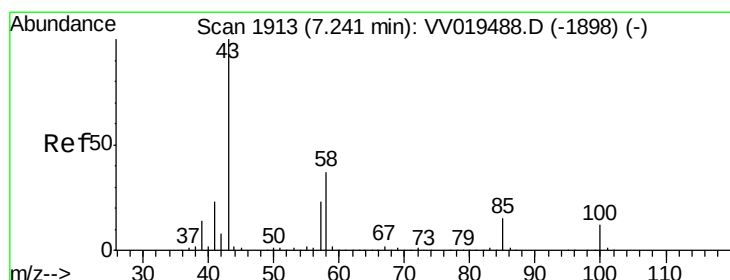
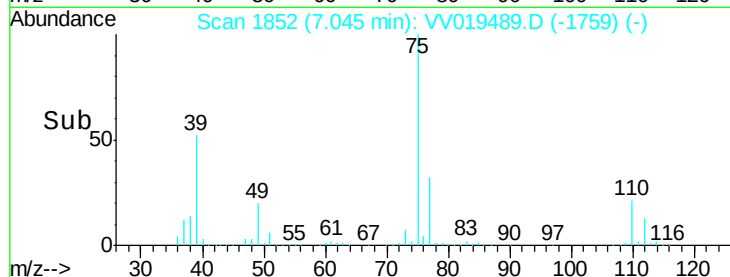
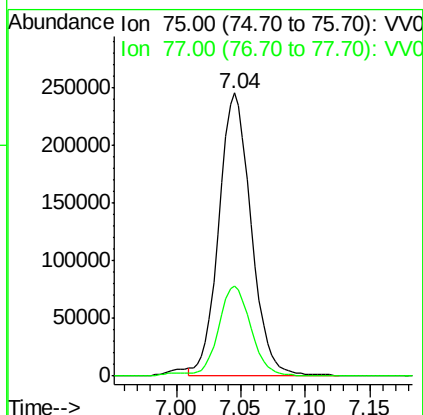
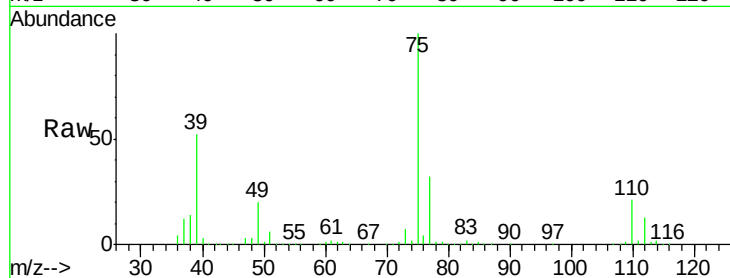


#39

cis-1,3-Dichloropropene
Concen: 108.310 ug/L
RT: 7.04 min Scan# 1852
Delta R.T. -0.00 min
Lab File: VV019489.D
Acq: 07 Dec 2020 13:20

Instrument :
MSVOA_V
ClientSampled :
VSTD10062

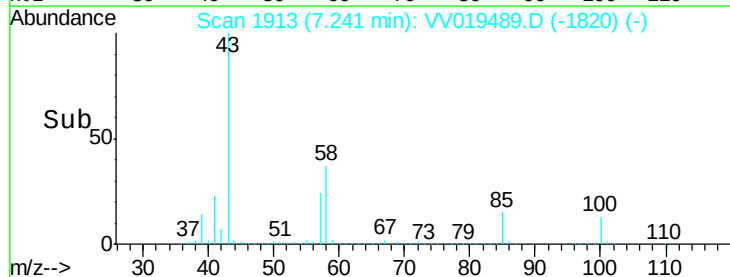
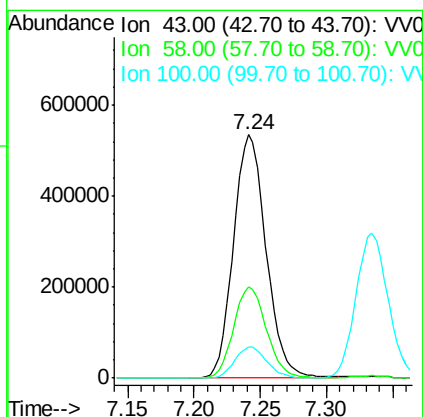
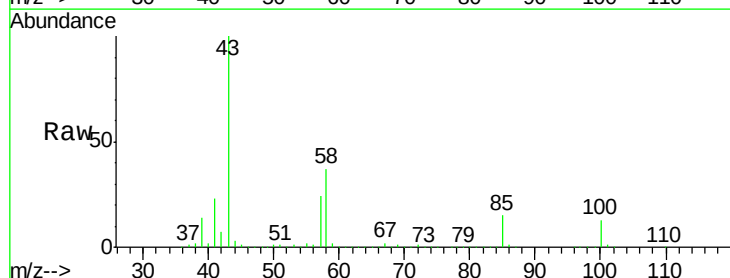
Tgt Ion: 75 Resp: 424273
Ion Ratio Lower Upper
75 100
77 32.0 21.4 39.8

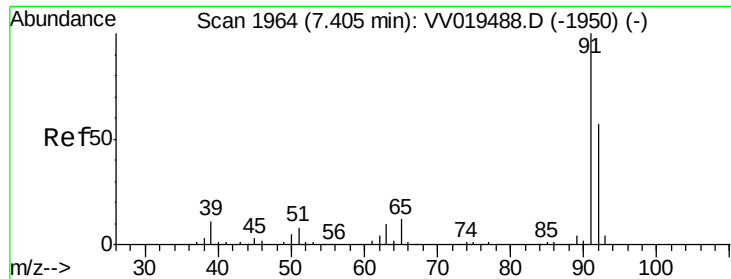


#40

4-Methyl-2-pentanone
Concen: 239.199 ug/L
RT: 7.24 min Scan# 1913
Delta R.T. -0.00 min
Lab File: VV019489.D
Acq: 07 Dec 2020 13:20

Tgt Ion: 43 Resp: 914288
Ion Ratio Lower Upper
43 100
58 37.6 29.5 44.3
100 12.7 10.0 15.0





#42

Toluene

Concen: 100.631 ug/L

RT: 7.41 min Scan# 1964

Delta R.T. -0.00 min

Lab File: VV019489.D

Acq: 07 Dec 2020 13:20

Instrument :

MSVOA_V

ClientSampleId :

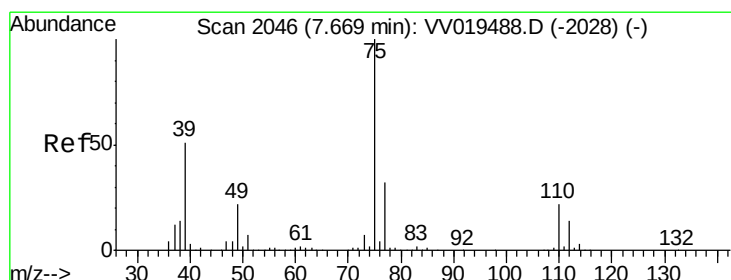
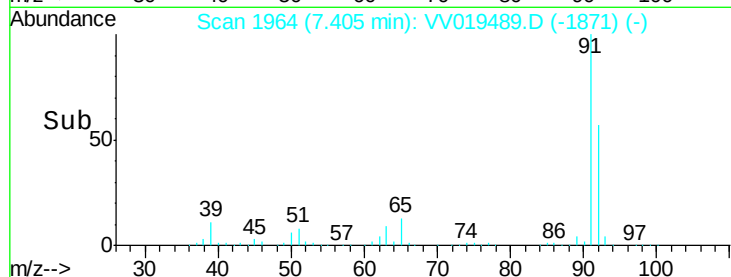
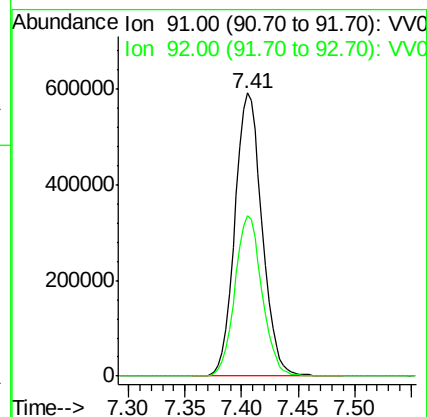
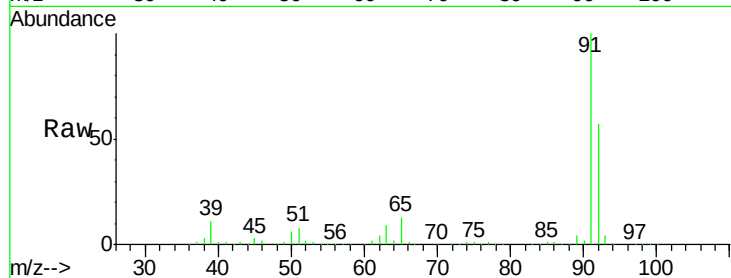
VSTD10062

Tgt Ion: 91 Resp: 990282

Ion Ratio Lower Upper

91 100

92 56.6 39.8 73.8



#44

trans-1,3-Dichloropropene

Concen: 109.733 ug/L

RT: 7.67 min Scan# 2045

Delta R.T. -0.00 min

Lab File: VV019489.D

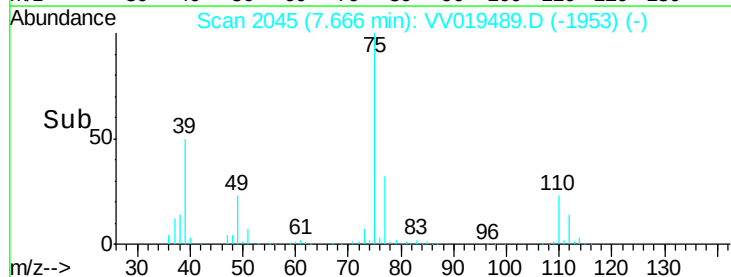
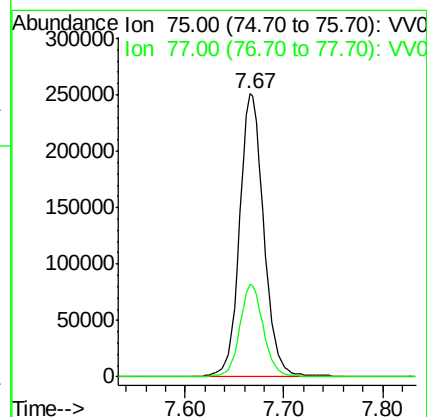
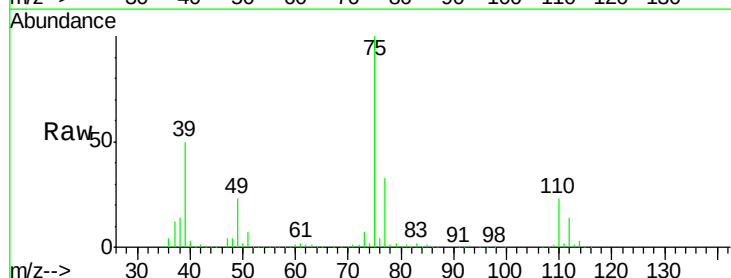
Acq: 07 Dec 2020 13:20

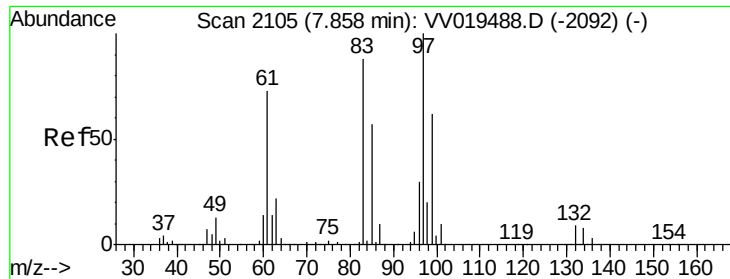
Tgt Ion: 75 Resp: 427612

Ion Ratio Lower Upper

75 100

77 32.5 22.7 42.1

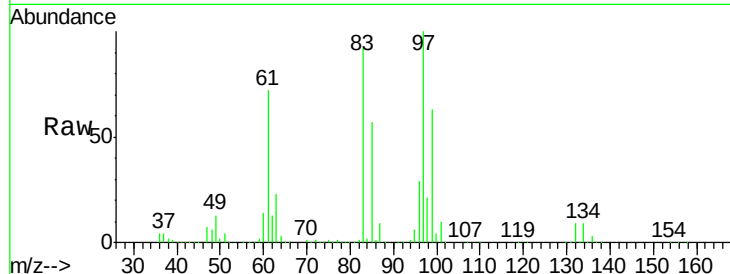




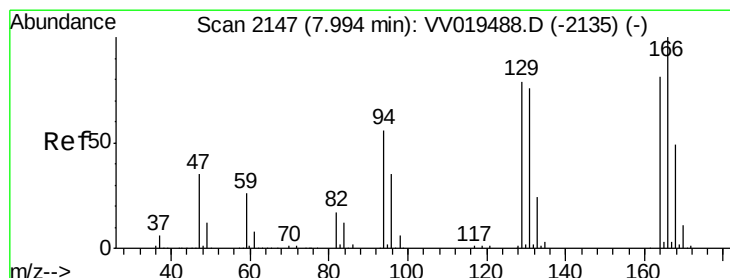
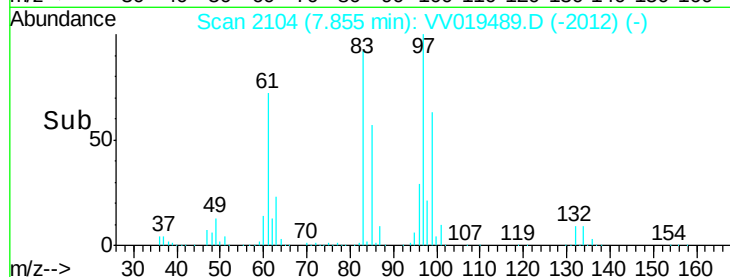
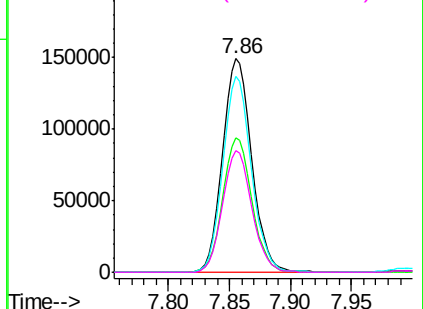
#45
 1,1,2-Trichloroethane
 Concen: 101.667 ug/L
 RT: 7.86 min Scan# 2104
 Delta R.T. -0.00 min
 Lab File: VV019489.D
 Acq: 07 Dec 2020 13:20

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10062

Tgt Ion:	97	Resp:	251596
Ion	Ratio	Lower	Upper
97	100		
99	62.7	43.1	80.1
83	91.6	61.7	114.7
85	57.1	40.2	74.6

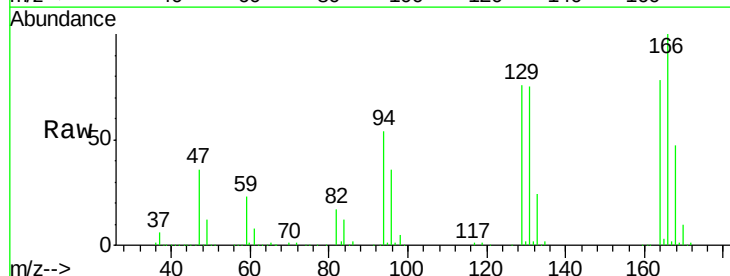


Abundance Ion 97.00 (96.70 to 97.70): VV019489.D (-2102) (-)
 Ion 99.00 (98.70 to 99.70): VV019489.D (-2102) (-)
 Ion 83.00 (82.70 to 83.70): VV019489.D (-2102) (-)
 Ion 85.00 (84.70 to 85.70): VV019489.D (-2102) (-)

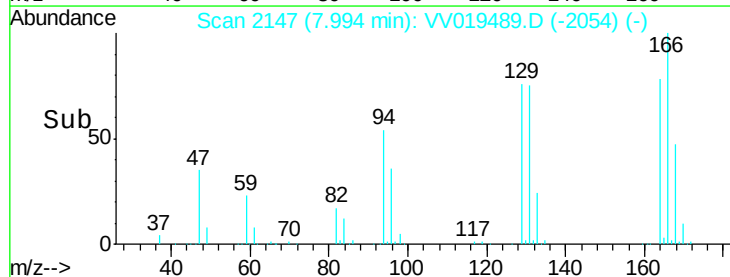
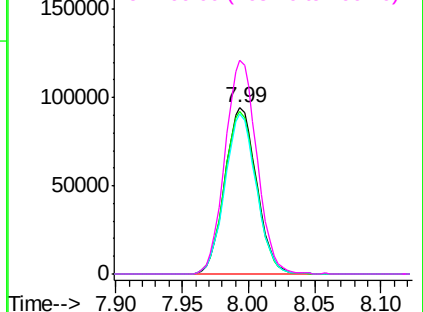


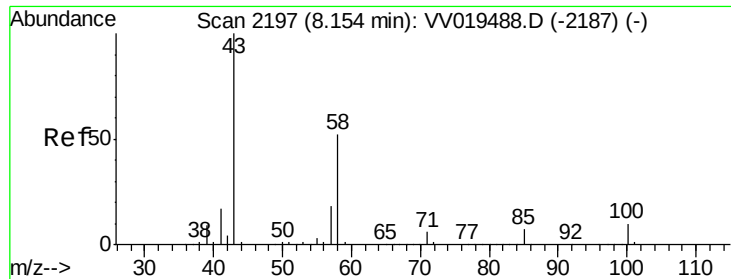
#46
 Tetrachloroethene
 Concen: 87.185 ug/L
 RT: 7.99 min Scan# 2147
 Delta R.T. -0.00 min
 Lab File: VV019489.D
 Acq: 07 Dec 2020 13:20

Tgt Ion:	164	Resp:	157317
Ion	Ratio	Lower	Upper
164	100		
129	98.1	68.4	127.0
131	96.6	65.6	121.8
166	128.6	86.4	160.4



Abundance Ion 164.00 (163.70 to 164.70): VV019489.D (-2147) (-)
 Ion 129.00 (128.70 to 129.70): VV019489.D (-2147) (-)
 Ion 131.00 (130.70 to 131.70): VV019489.D (-2147) (-)
 Ion 166.00 (165.70 to 166.70): VV019489.D (-2147) (-)

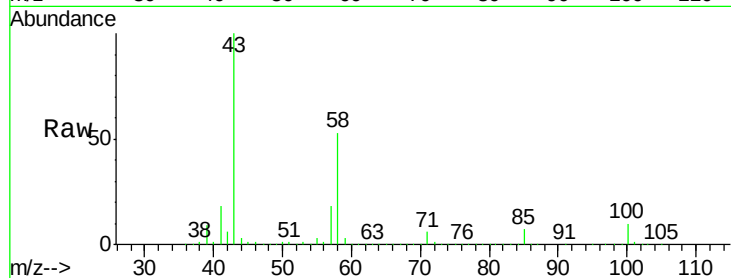




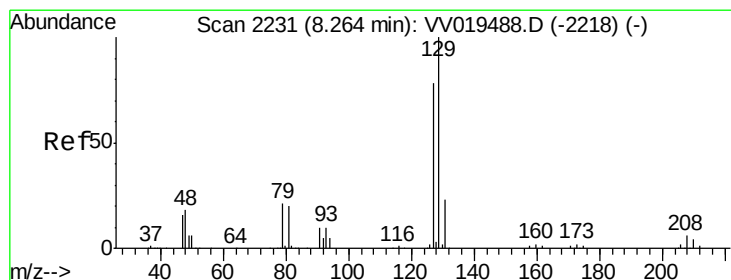
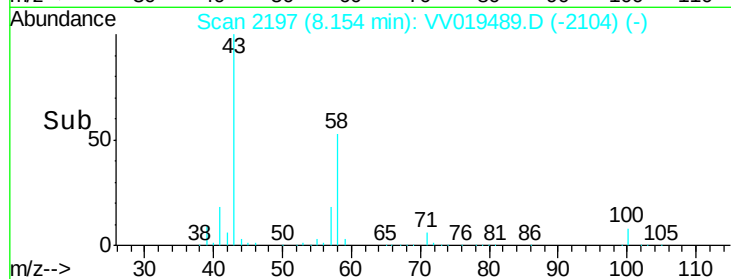
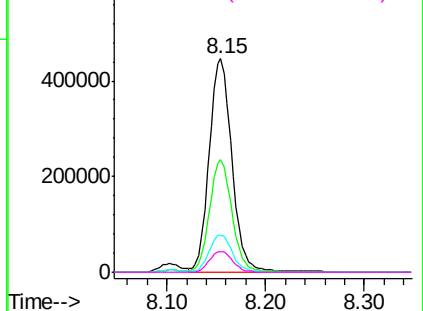
#48
2-Hexanone
Concen: 234.490 ug/L
RT: 8.15 min Scan# 2197
Delta R.T. -0.00 min
Lab File: VV019489.D
Acq: 07 Dec 2020 13:20

Instrument :
MSVOA_V
ClientSampleId :
VSTD10062

Tgt Ion: 43 Resp: 710763
Ion Ratio Lower Upper
43 100
58 52.0 41.0 61.6
57 17.8 14.2 21.2
100 10.1 8.0 12.0

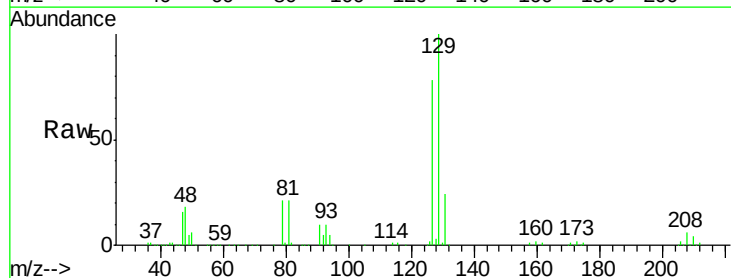


Abundance Ion 43.00 (42.70 to 43.70): VV019489.D (-2104) (-)
Ion 58.00 (57.70 to 58.70): VV019489.D (-2104) (-)
Ion 57.00 (56.70 to 57.70): VV019489.D (-2104) (-)
Ion 100.00 (99.70 to 100.70): VV019489.D (-2104) (-)

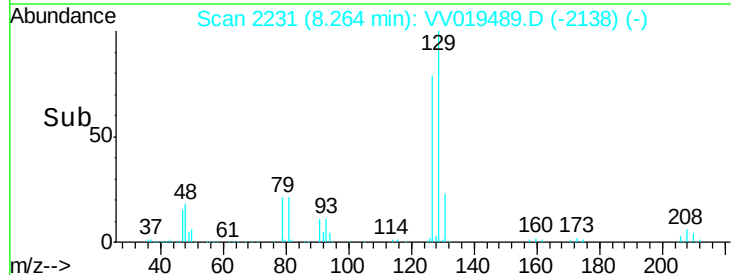
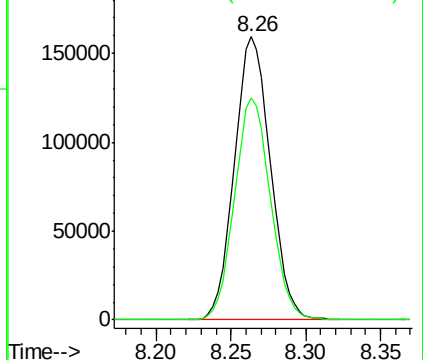


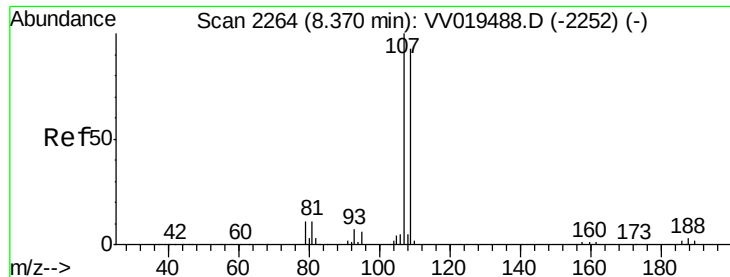
#49
Dibromochloromethane
Concen: 98.993 ug/L
RT: 8.26 min Scan# 2231
Delta R.T. -0.00 min
Lab File: VV019489.D
Acq: 07 Dec 2020 13:20

Tgt Ion: 129 Resp: 267676
Ion Ratio Lower Upper
129 100
127 78.4 54.3 100.9



Abundance Ion 129.00 (128.70 to 129.70): VV019489.D (-2138) (-)
Ion 127.00 (126.70 to 127.70): VV019489.D (-2138) (-)

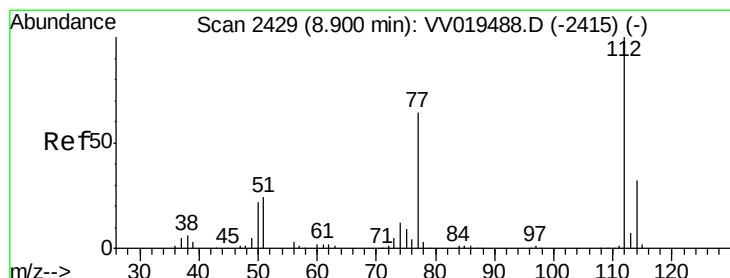
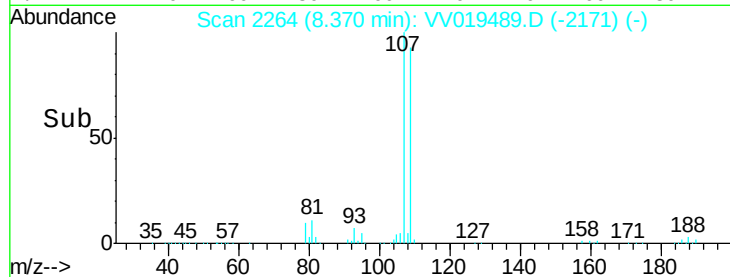
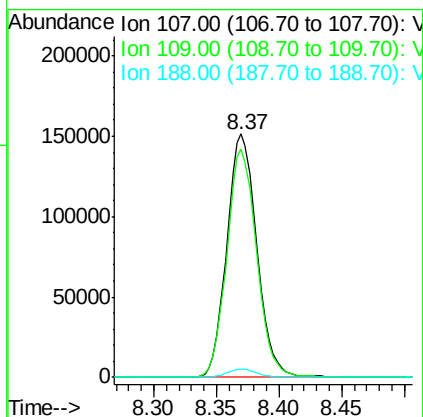
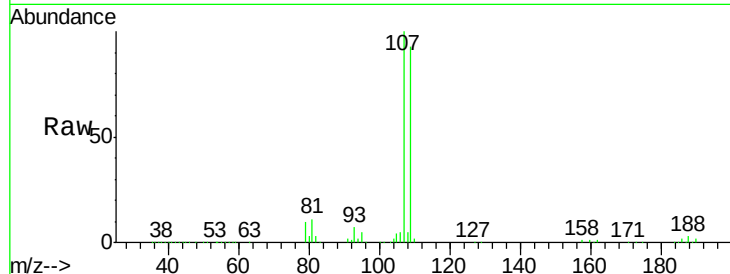




#50
1,2-Dibromoethane
Concen: 96.777 ug/L
RT: 8.37 min Scan# 2264
Delta R.T. 0.00 min
Lab File: VV019489.D
Acq: 07 Dec 2020 13:20

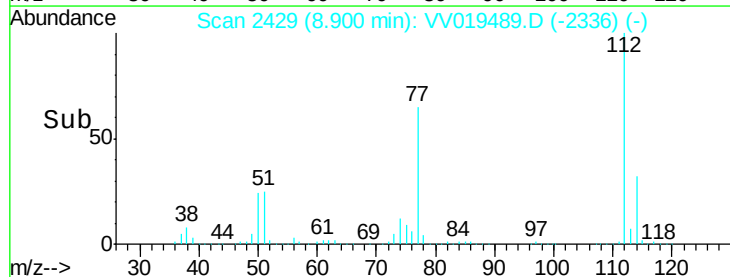
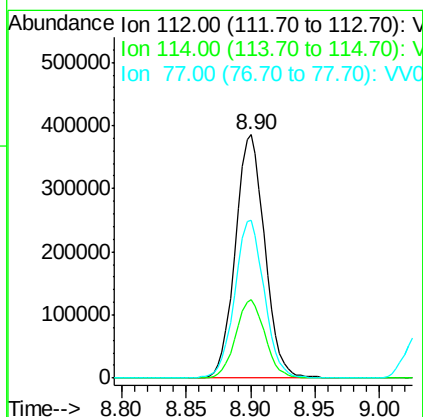
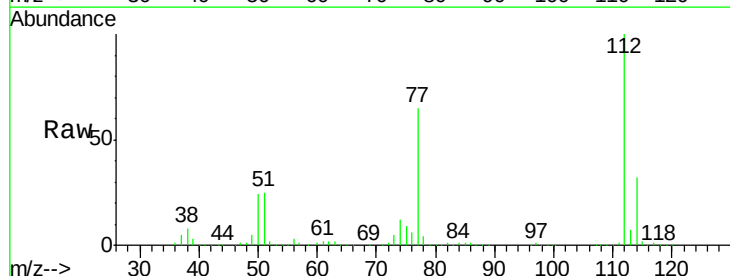
Instrument :
MSVOA_V
ClientSampleId :
VSTD10062

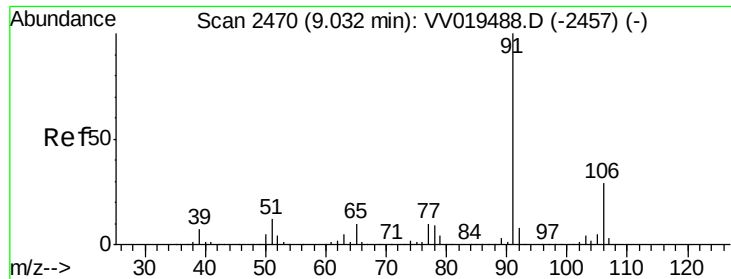
Tgt Ion	Ratio	Lower	Upper
107	100		
109	93.5	65.1	120.9
188	3.1	2.6	4.0



#51
Chlorobenzene
Concen: 94.376 ug/L
RT: 8.90 min Scan# 2429
Delta R.T. -0.00 min
Lab File: VV019489.D
Acq: 07 Dec 2020 13:20

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.1	22.4	41.6
77	64.7	51.6	77.4

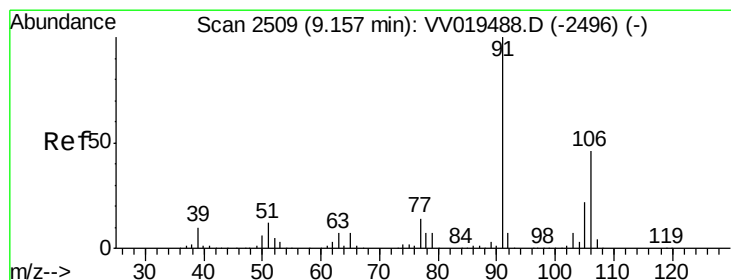
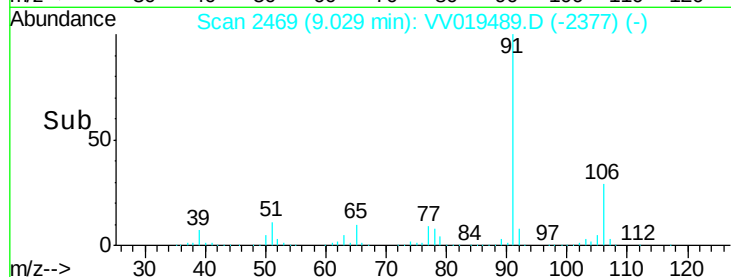
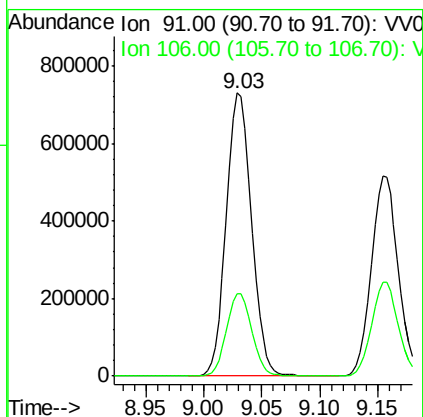
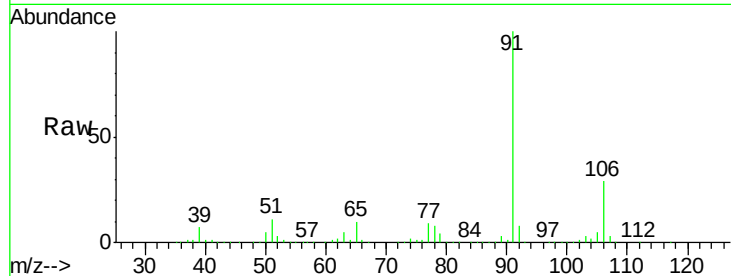




#52
Ethylbenzene
Concen: 103.966 ug/L
RT: 9.03 min Scan# 2469
Delta R.T. -0.00 min
Lab File: VV019489.D
Acq: 07 Dec 2020 13:20

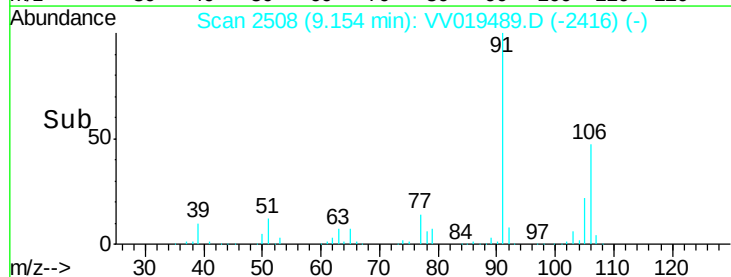
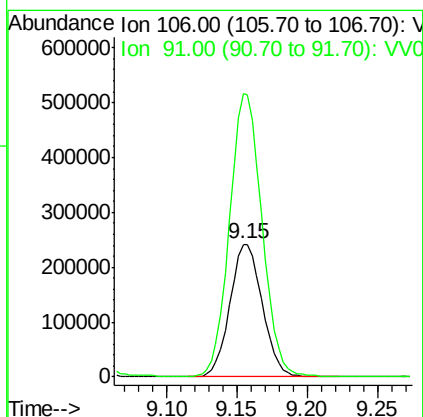
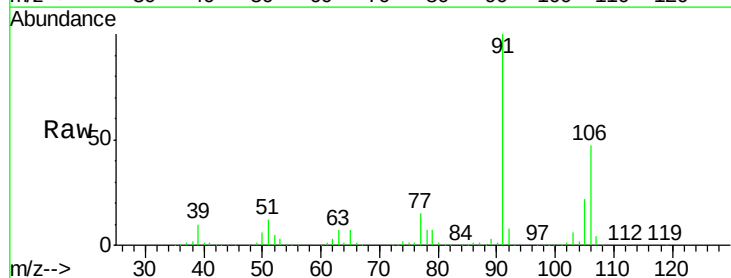
Instrument :
MSVOA_V
ClientSampleId :
VSTD10062

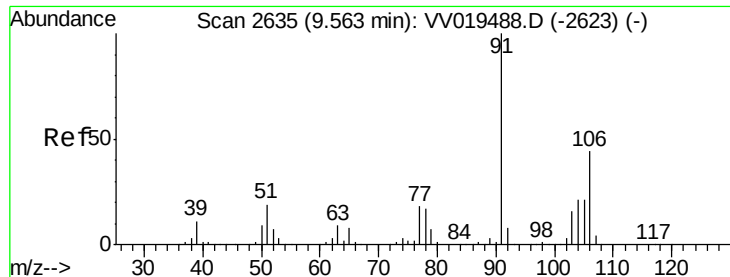
Tgt Ion: 91 Resp: 1101200
Ion Ratio Lower Upper
91 100
106 29.1 20.6 38.2



#53
m,p-Xylene
Concen: 99.931 ug/L
RT: 9.15 min Scan# 2508
Delta R.T. -0.00 min
Lab File: VV019489.D
Acq: 07 Dec 2020 13:20

Tgt Ion: 106 Resp: 387910
Ion Ratio Lower Upper
106 100
91 213.3 151.7 281.7





#54

o-xylene

Concen: 101.808 ug/L

RT: 9.56 min Scan# 2635

Delta R.T. -0.00 min

Lab File: VV019489.D

Acq: 07 Dec 2020 13:20

Instrument :

MSVOA_V

ClientSampleId :

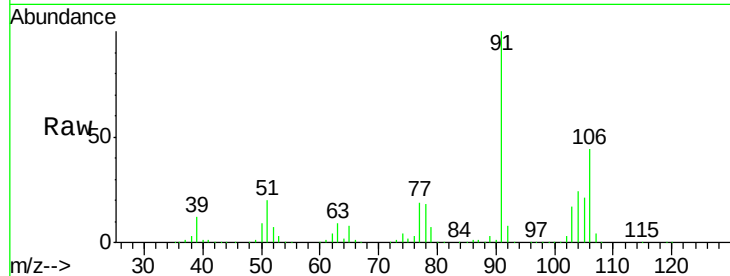
VSTD10062

Tgt Ion:106 Resp: 384614

Ion Ratio Lower Upper

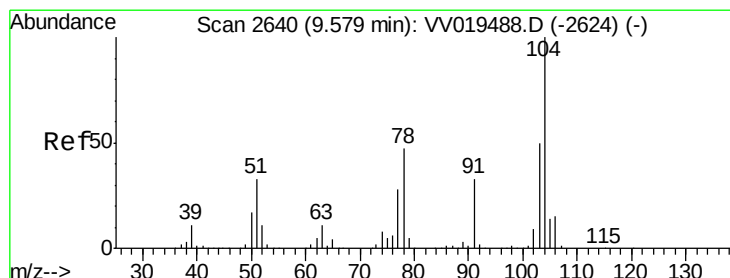
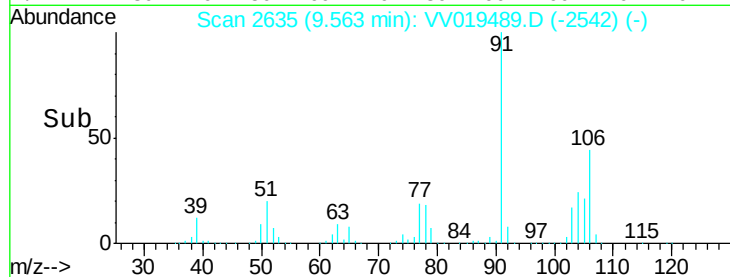
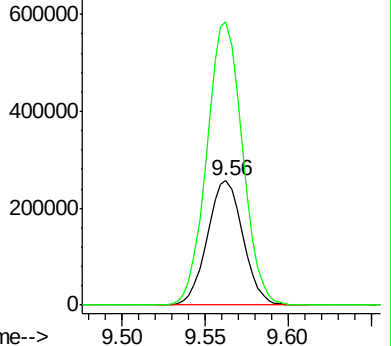
106 100

91 227.7 158.1 293.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 103.658 ug/L

RT: 9.58 min Scan# 2640

Delta R.T. 0.00 min

Lab File: VV019489.D

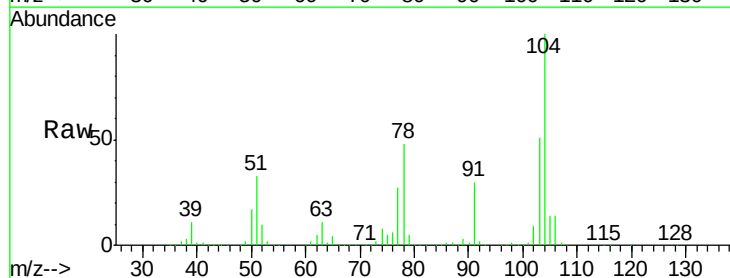
Acq: 07 Dec 2020 13:20

Tgt Ion:104 Resp: 702627

Ion Ratio Lower Upper

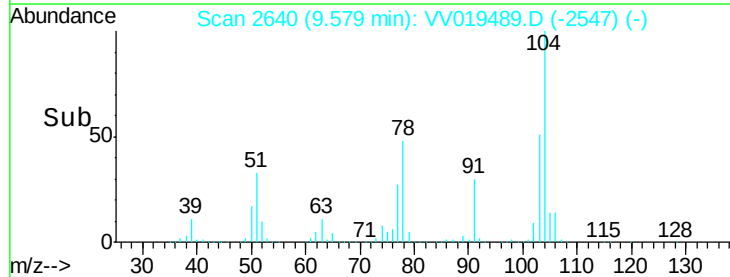
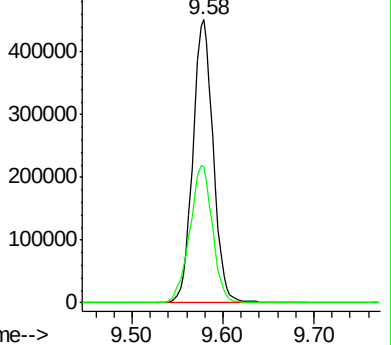
104 100

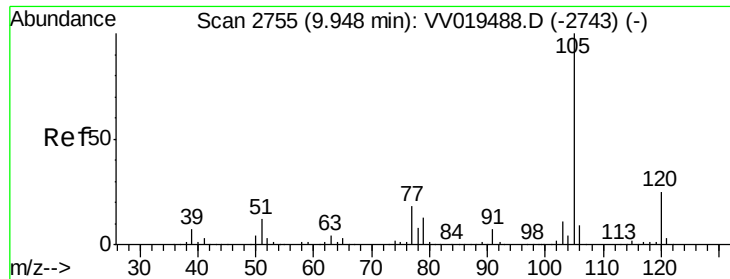
78 47.9 33.2 61.6



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 105.373 ug/L

RT: 9.95 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VV019489.D

Acq: 07 Dec 2020 13:20

Instrument :

MSVOA_V

ClientSampleId :

VSTD10062

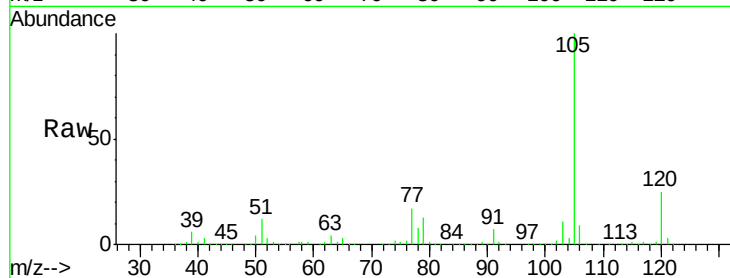
Tgt Ion:105 Resp: 1052839

Ion Ratio Lower Upper

105 100

120 25.4 20.2 30.4

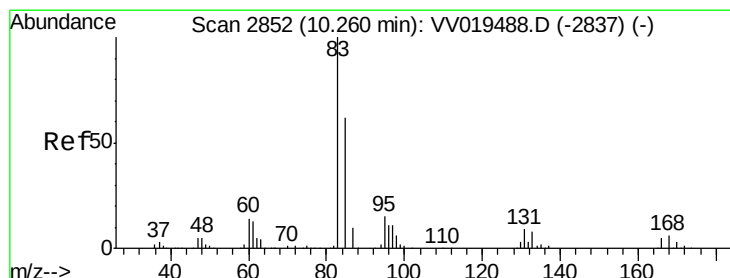
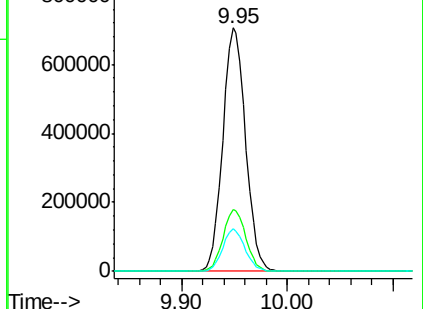
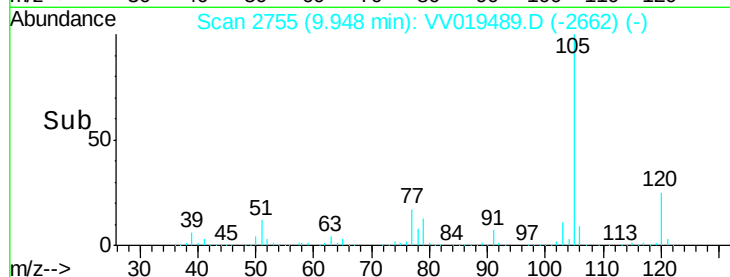
77 17.2 14.1 21.1



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: 108.360 ug/L

RT: 10.26 min Scan# 2852

Delta R.T. 0.00 min

Lab File: VV019489.D

Acq: 07 Dec 2020 13:20

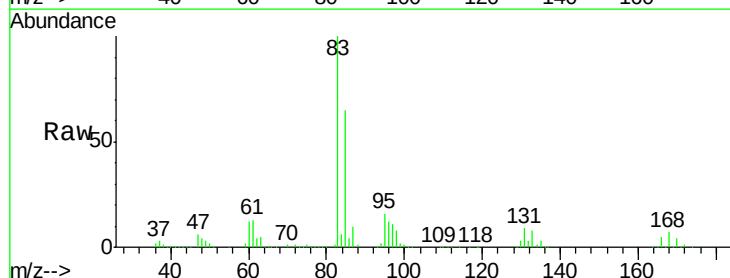
Tgt Ion: 83 Resp: 411852

Ion Ratio Lower Upper

83 100

85 64.5 43.3 80.3

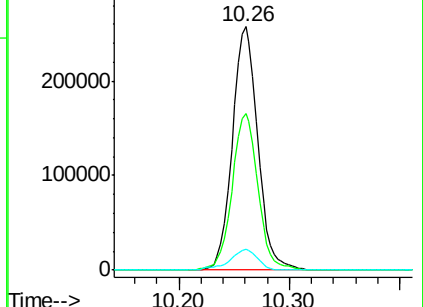
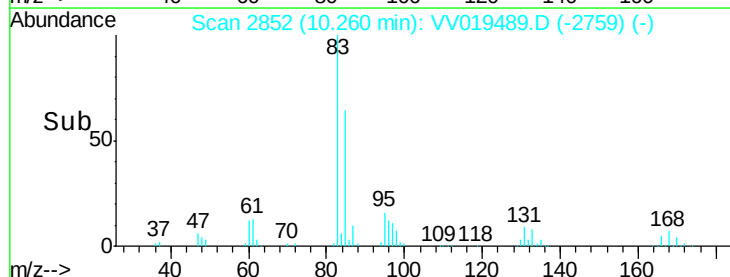
131 8.6 7.0 10.4

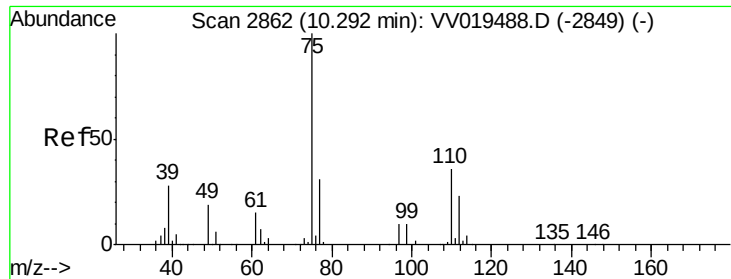


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 101.000 ug/L

RT: 10.29 min Scan# 2862

Delta R.T. 0.00 min

Lab File: VV019489.D

Acq: 07 Dec 2020 13:20

Instrument :

MSVOA_V

ClientSampleId :

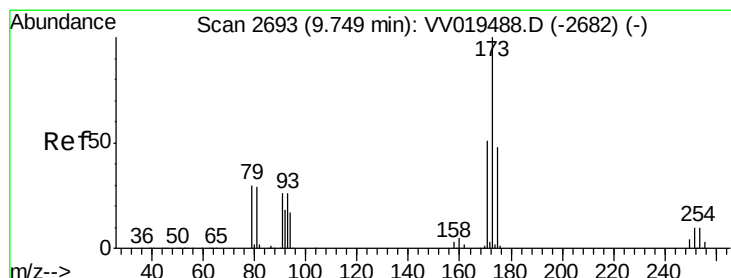
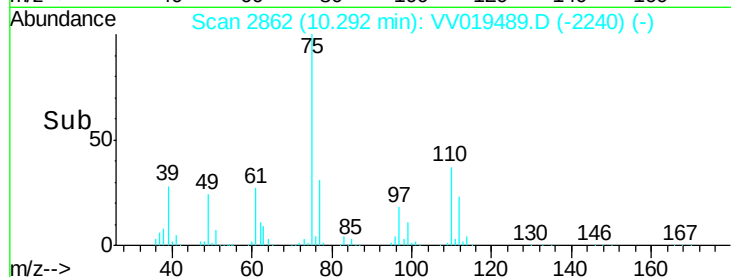
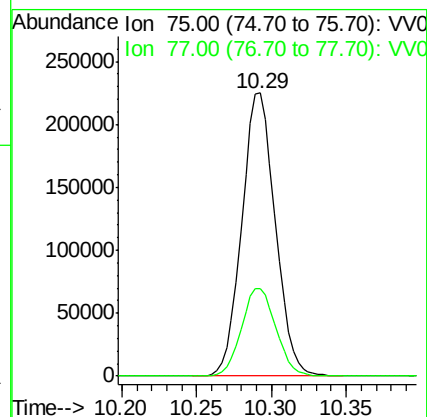
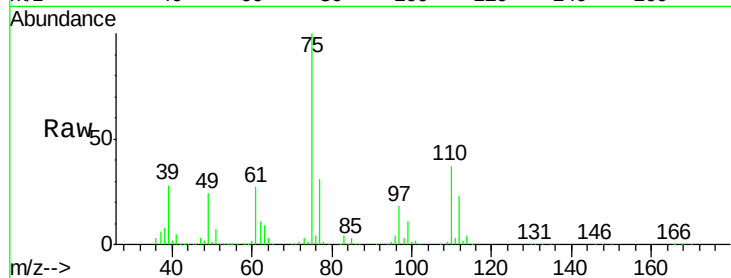
VSTD10062

Tgt Ion: 75 Resp: 350967

Ion Ratio Lower Upper

75 100

77 31.9 25.5 38.3



#61

Bromoform

Concen: 104.271 ug/L

RT: 9.75 min Scan# 2693

Delta R.T. 0.00 min

Lab File: VV019489.D

Acq: 07 Dec 2020 13:20

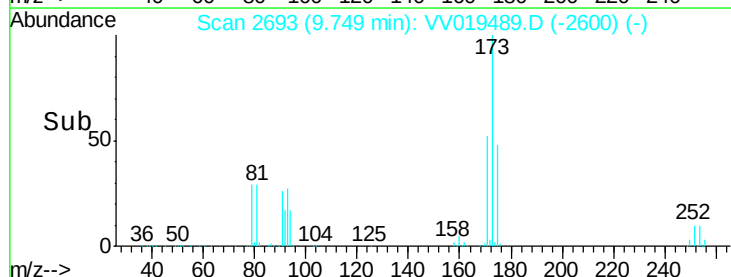
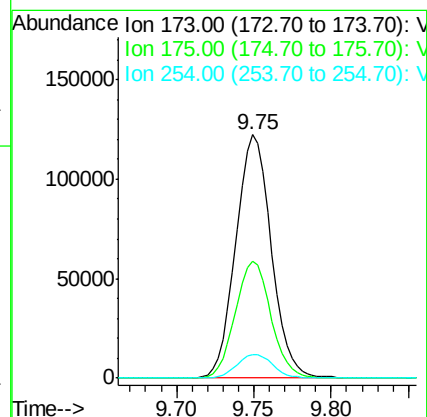
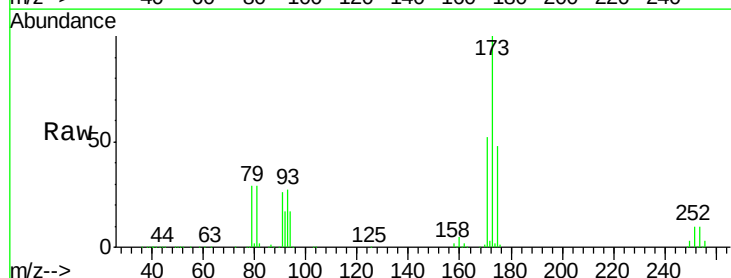
Tgt Ion: 173 Resp: 194581

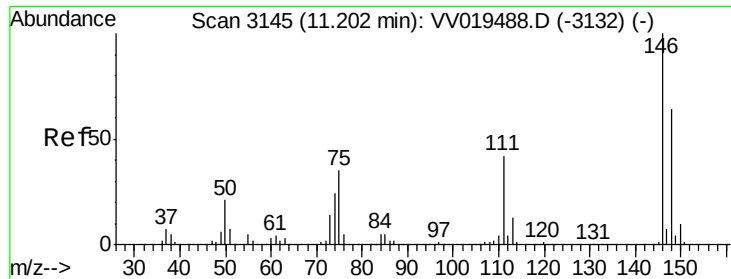
Ion Ratio Lower Upper

173 100

175 48.3 37.8 56.6

254 9.8 7.4 11.2

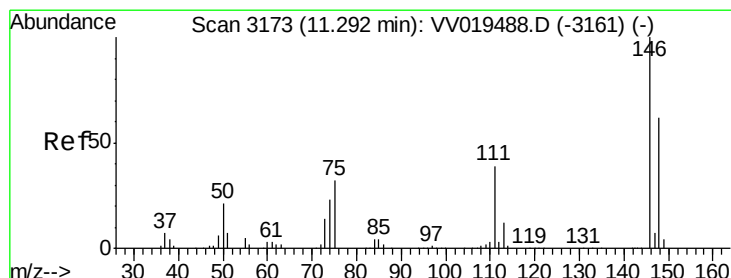
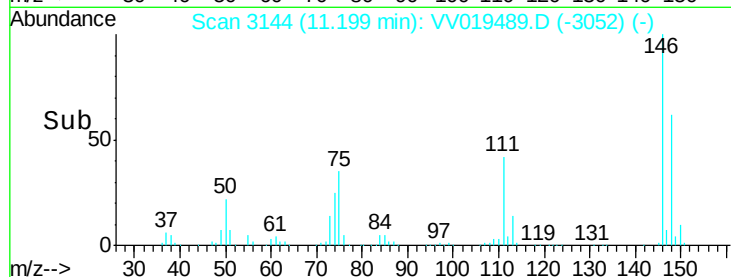
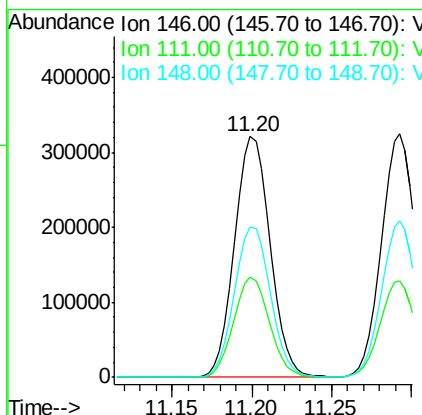
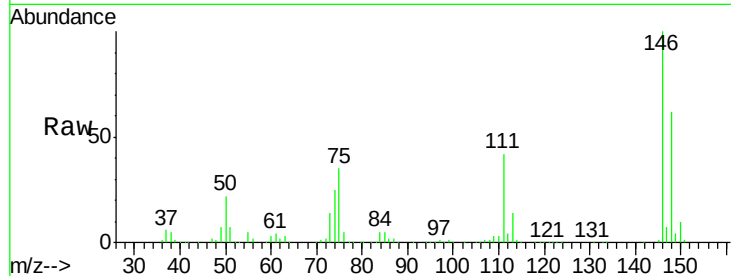




#62
 1,3-Dichlorobenzene
 Concen: 102.731 ug/L
 RT: 11.20 min Scan# 3144
 Delta R.T. -0.00 min
 Lab File: VV019489.D
 Acq: 07 Dec 2020 13:20

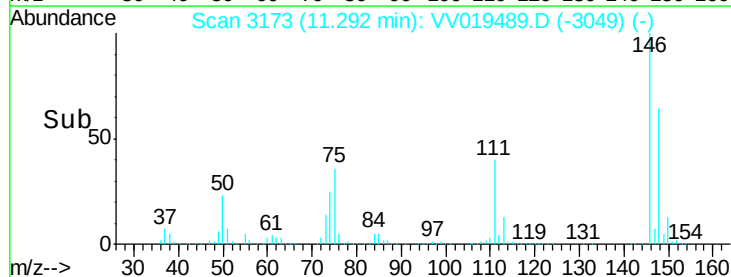
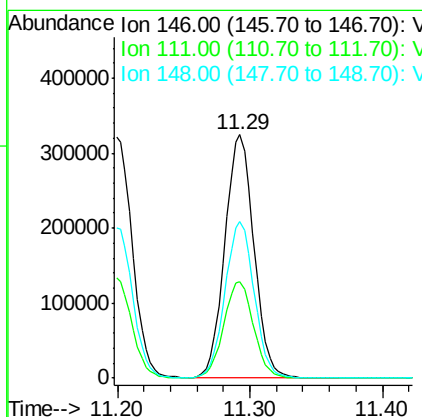
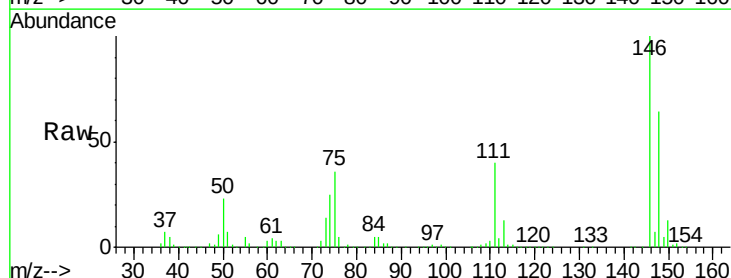
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10062

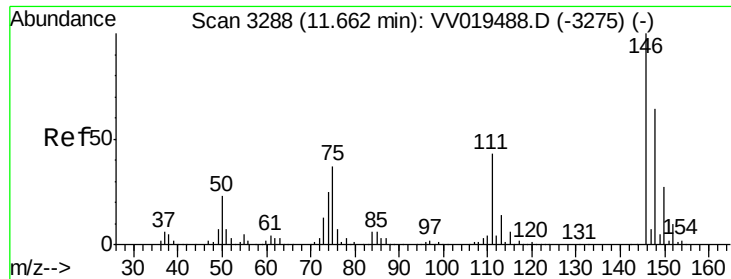
Tgt Ion:146 Resp: 488137
 Ion Ratio Lower Upper
 146 100
 111 41.8 29.6 55.0
 148 62.4 44.6 82.8



#63
 1,4-Dichlorobenzene
 Concen: 99.289 ug/L
 RT: 11.29 min Scan# 3173
 Delta R.T. 0.00 min
 Lab File: VV019489.D
 Acq: 07 Dec 2020 13:20

Tgt Ion:146 Resp: 495279
 Ion Ratio Lower Upper
 146 100
 111 39.8 27.6 51.2
 148 64.4 43.7 81.1

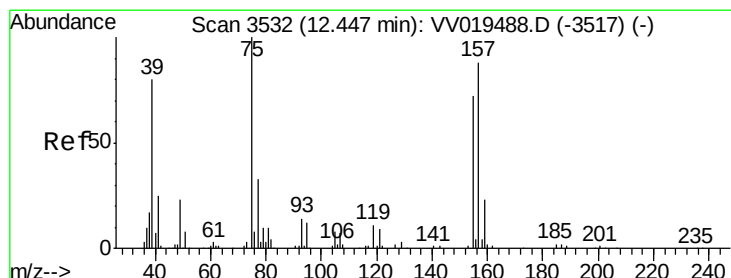
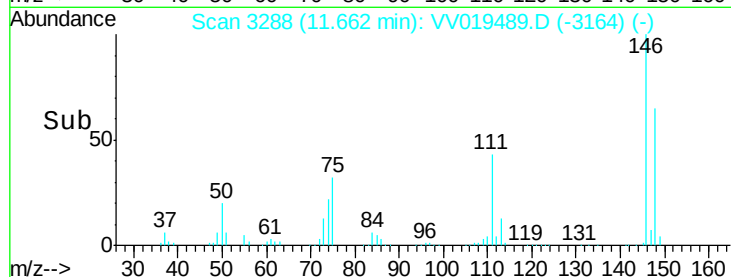
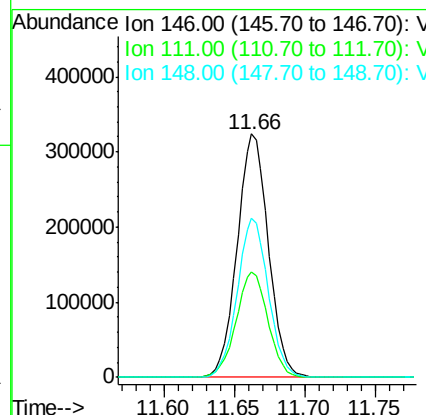
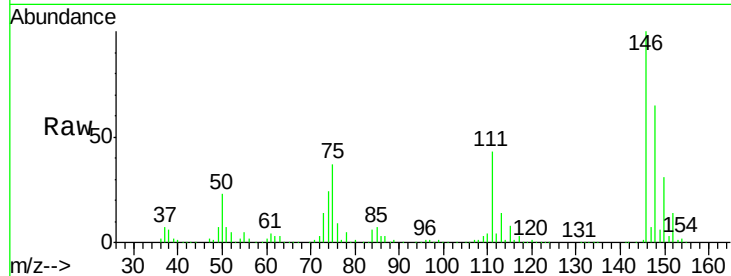




#65
 1,2-Dichlorobenzene
 Concen: 102.689 ug/L
 RT: 11.66 min Scan# 3288
 Delta R.T. 0.00 min
 Lab File: VV019489.D
 Acq: 07 Dec 2020 13:20

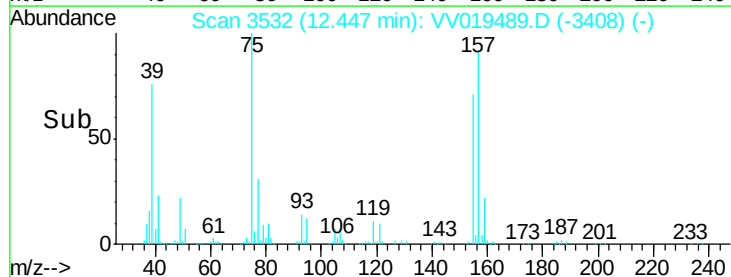
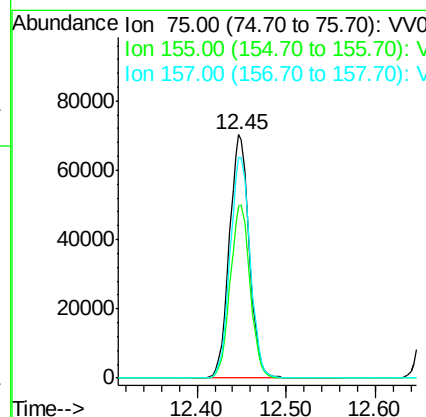
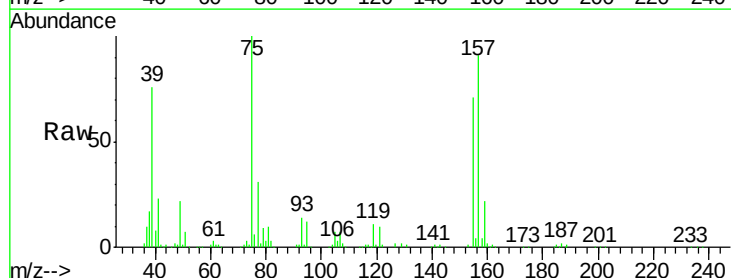
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10062

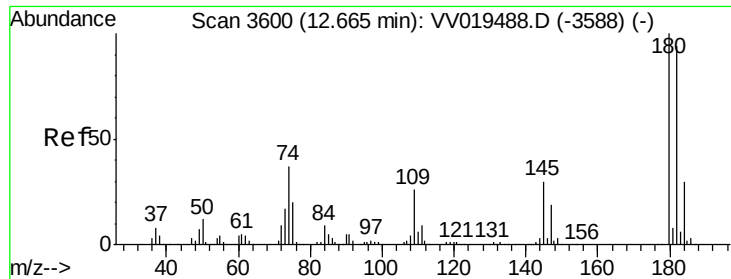
Tgt Ion: 146 Resp: 502015
 Ion Ratio Lower Upper
 146 100
 111 43.4 34.7 52.1
 148 65.2 51.0 76.4



#66
 1,2-Dibromo-3-chloropropane
 Concen: 124.895 ug/L
 RT: 12.45 min Scan# 3532
 Delta R.T. 0.00 min
 Lab File: VV019489.D
 Acq: 07 Dec 2020 13:20

Tgt Ion: 75 Resp: 108296
 Ion Ratio Lower Upper
 75 100
 155 70.7 57.9 86.9
 157 90.7 70.6 106.0

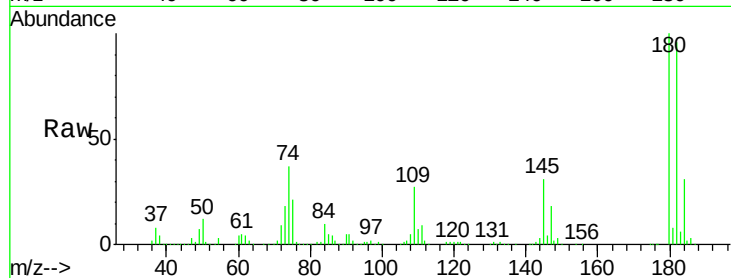




#67
 1,3,5-Trichlorobenzene
 Concen: 107.865 ug/L
 RT: 12.67 min Scan# 3600
 Delta R.T. 0.00 min
 Lab File: VV019489.D
 Acq: 07 Dec 2020 13:20

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10062

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.4	75.9	113.9
184	30.3	24.3	36.5
145	30.5	24.2	36.4

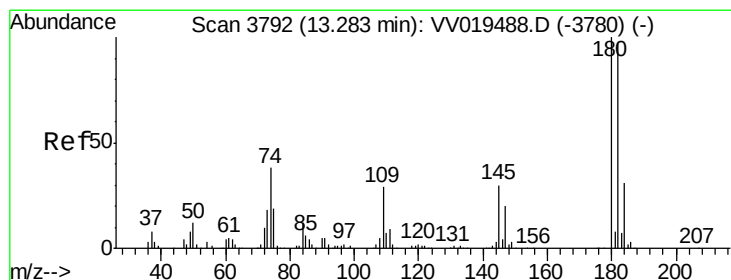
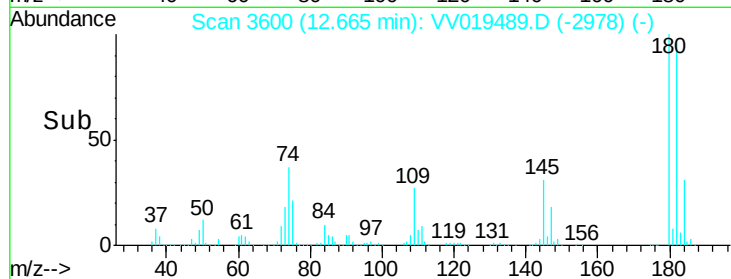
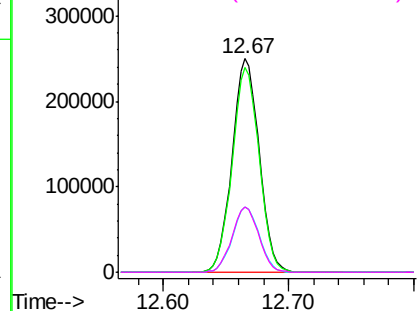


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

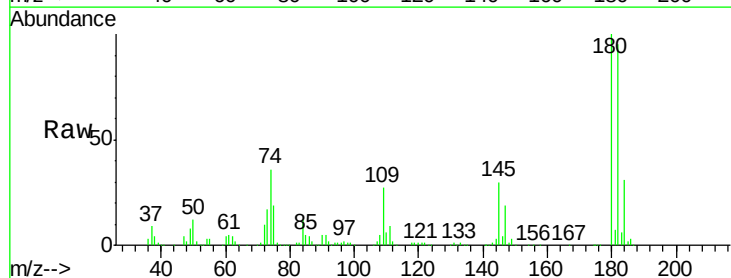
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 116.280 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. 0.00 min
 Lab File: VV019489.D
 Acq: 07 Dec 2020 13:20

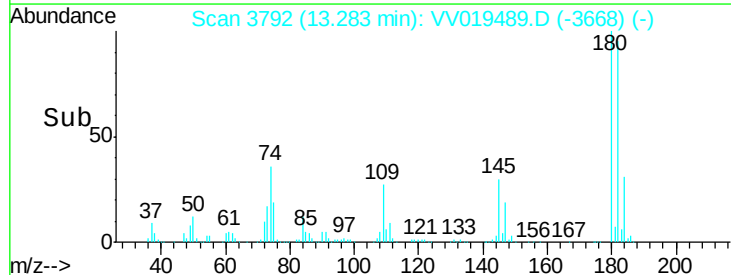
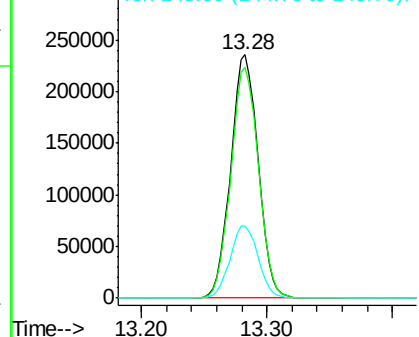
Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.5	76.5	114.7
145	30.4	24.2	36.4

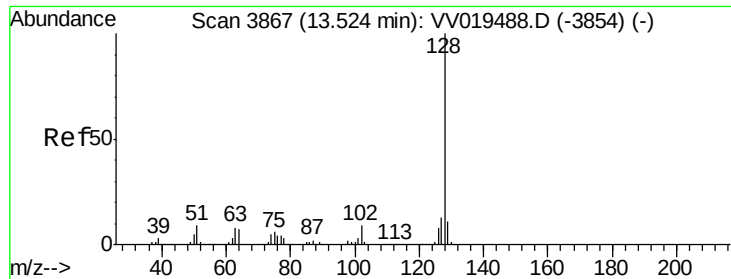


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 129.883 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. 0.00 min

Lab File: VV019489.D

Acq: 07 Dec 2020 13:20

Instrument :

MSVOA_V

ClientSampleId :

VSTD10062

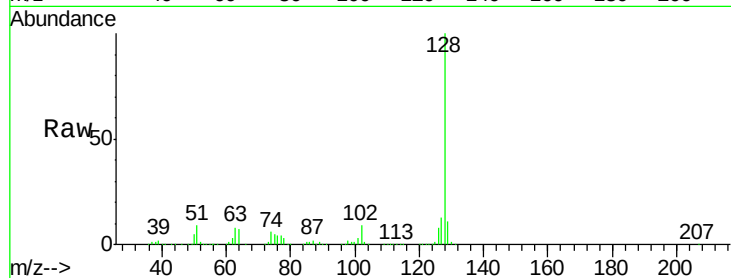
Tgt Ion:128 Resp: 1016734

Ion Ratio Lower Upper

128 100

127 13.2 10.6 16.0

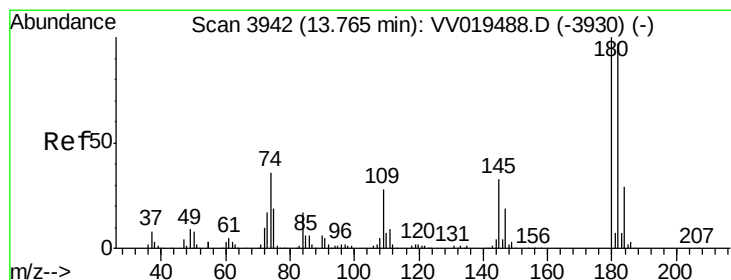
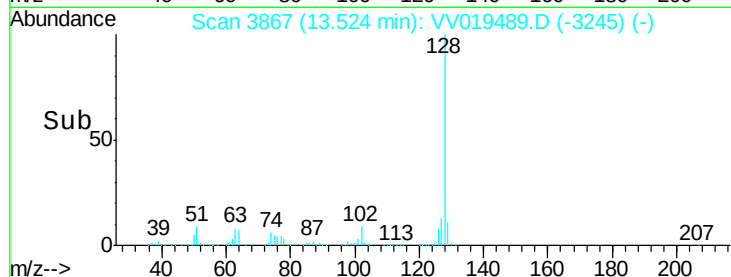
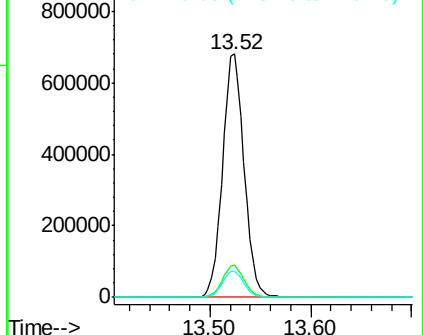
129 10.9 8.6 12.8



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: 111.986 ug/L

RT: 13.77 min Scan# 3942

Delta R.T. 0.00 min

Lab File: VV019489.D

Acq: 07 Dec 2020 13:20

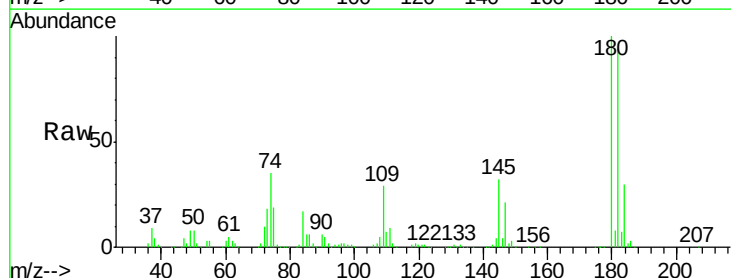
Tgt Ion:180 Resp: 359159

Ion Ratio Lower Upper

180 100

182 94.3 77.0 115.4

145 32.7 26.2 39.4



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

