

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV060920\
 Data File : VV016746.D
 Acq On : 10 Jun 2020 02:44
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05077

Quant Time: Jun 10 03:48:59 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060820WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jun 10 03:42:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	342476	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	325148	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	174659	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	93826	38.83	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	77.66%
7) Chloroethane-d5	1.56	69	68571	47.29	ug/L	-0.01
Spiked Amount	50.000	Range	70 - 130	Recovery	=	94.58%
11) 1,1-Dichloroethene-d2	2.12	63	179468	44.23	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.46%
21) 2-Butanone-d5	3.89	46	177088	99.01	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	99.01%
24) Chloroform-d	4.37	84	230601	46.93	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.86%
26) 1,2-Dichloroethane-d4	5.05	65	162957	48.76	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.52%
32) Benzene-d6	5.07	84	431302	46.02	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.04%
36) 1,2-Dichloropropane-d6	6.09	67	139098	47.61	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.22%
41) Toluene-d8	7.34	98	392923	45.68	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.36%
43) trans-1,3-Dichloropropene-	7.64	79	67380	44.28	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.56%
47) 2-Hexanone-d5	8.11	63	129689	101.82	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	101.82%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	192331	49.73	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	99.46%
64) 1,2-Dichlorobenzene-d4	11.65	152	172689	46.33	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.66%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.13	85	130482	48.056	ug/L 99
3) Chloromethane	1.25	50	126784	51.060	ug/L 100
5) Vinyl chloride	1.32	62	114160	46.753	ug/L 99
6) Bromomethane	1.51	94	40572	39.895	ug/L 95
8) Chloroethane	1.58	64	62252	51.612	ug/L 99
9) Trichlorofluoromethane	1.75	101	175769	48.102	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	83701	45.968	ug/L 99
12) 1,1-Dichloroethene	2.13	96	80009	47.070	ug/L 98
13) Acetone	2.17	43	104326	88.527	ug/L 98
14) Carbon disulfide	2.30	76	283781	46.111	ug/L 100
15) Methyl Acetate	2.44	43	126654	48.219	ug/L 99
16) Methylene chloride	2.52	84	118838	47.644	ug/L 98
17) trans-1,2-Dichloroethene	2.78	96	108969	47.018	ug/L 99
18) Methyl tert-butyl Ether	2.78	73	372788	48.544	ug/L 99
19) 1,1-Dichloroethane	3.21	63	208257	47.738	ug/L 98
22) 2-Butanone	3.98	43	175889	96.787	ug/L 96
23) Bromochloromethane	4.27	128	66512	49.972	ug/L 97

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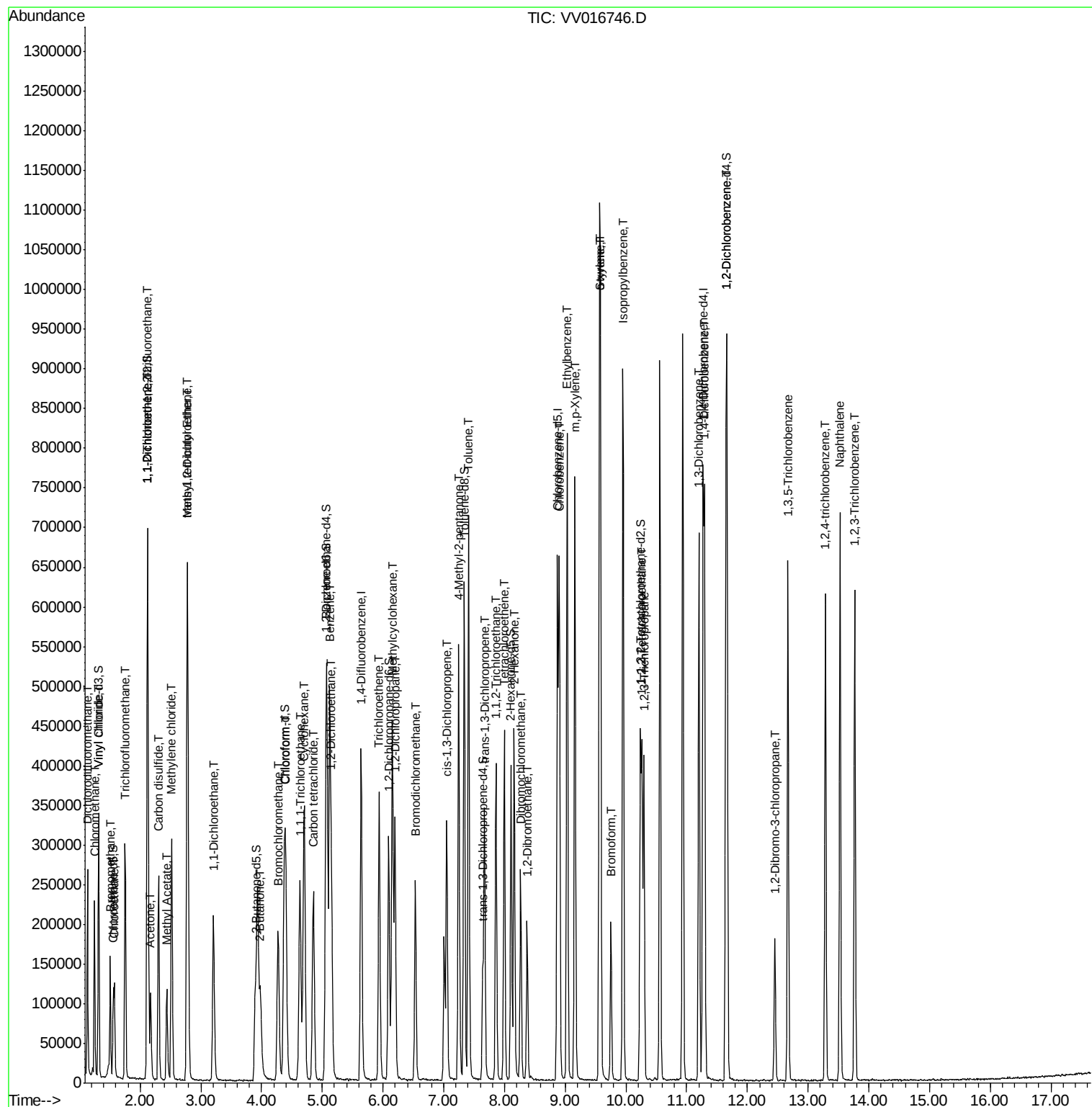
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Chloroform	4.40	83	222888	49.715	ug/L	97
27) 1,2-Dichloroethane	5.15	62	186500	49.623	ug/L	96
29) Cyclohexane	4.70	56	186328	46.115	ug/L	100
30) 1,1,1-Trichloroethane	4.63	97	202908	48.934	ug/L	99
31) Carbon tetrachloride	4.85	117	176525	49.210	ug/L	97
33) Benzene	5.12	78	458106	47.619	ug/L	100
34) Trichloroethene	5.94	95	122163	47.348	ug/L	100
35) Methylcyclohexane	6.15	83	182369	45.056	ug/L	98
37) 1,2-Dichloropropane	6.20	63	119612	47.810	ug/L	100
38) Bromodichloromethane	6.53	83	160638	48.234	ug/L	98
39) cis-1,3-Dichloropropene	7.05	75	182050	46.846	ug/L	100
40) 4-Methyl-2-pentanone	7.24	43	350651	98.911	ug/L	100
42) Toluene	7.41	91	486944	48.015	ug/L	99
44) trans-1,3-Dichloropropene	7.67	75	175310	46.402	ug/L	99
45) 1,1,2-Trichloroethane	7.86	97	114801	47.562	ug/L	98
46) Tetrachloroethene	8.00	164	95618	47.121	ug/L	96
48) 2-Hexanone	8.16	43	270844	98.533	ug/L	99
49) Dibromochloromethane	8.27	129	126242	48.917	ug/L	99
50) 1,2-Dibromoethane	8.37	107	123653	48.921	ug/L	99
51) Chlorobenzene	8.90	112	319861	48.342	ug/L	98
52) Ethylbenzene	9.03	91	548083	48.792	ug/L	100
53) m,p-Xylene	9.16	106	207733	49.668	ug/L	95
54) o-xylene	9.57	106	203936	49.440	ug/L	98
55) Styrene	9.58	104	347832	49.876	ug/L	99
56) Isopropylbenzene	9.95	105	543641	49.049	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	183375	49.551	ug/L	99
59) 1,2,3-Trichloropropane	10.30	75	153182	49.349	ug/L	100
61) Bromoform	9.75	173	85117	47.379	ug/L	99
62) 1,3-Dichlorobenzene	11.20	146	259354	46.882	ug/L	98
63) 1,4-Dichlorobenzene	11.30	146	260770	46.329	ug/L	97
65) 1,2-Dichlorobenzene	11.67	146	269941	48.692	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.45	75	41482	47.586	ug/L	94
67) 1,3,5-Trichlorobenzene	12.67	180	189396	45.912	ug/L	98
68) 1,2,4-trichlorobenzene	13.29	180	171730	45.386	ug/L	99
69) Naphthalene	13.53	128	533754	49.040	ug/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	174245	47.065	ug/L	99

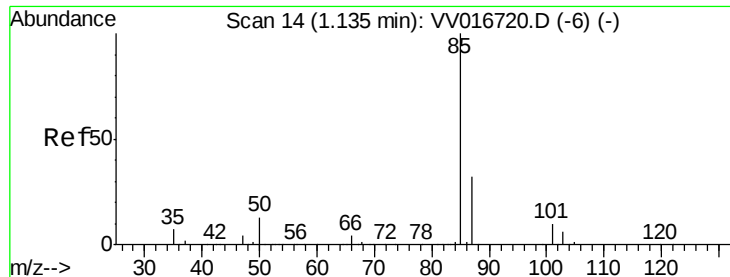
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 48.056 ug/L

RT: 1.13 min Scan# 13

Delta R.T. -0.00 min

Lab File: VV016746.D

Acq: 10 Jun 2020 02:44

Instrument :

MSVOA_V

ClientSampleId :

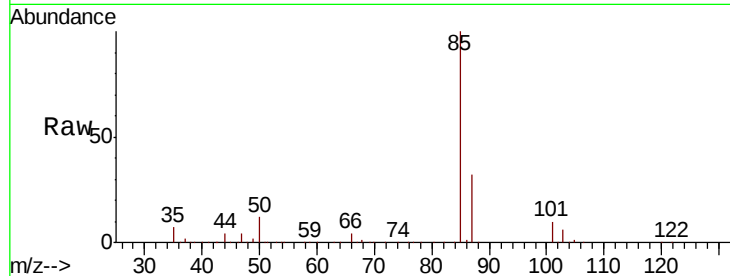
VSTD05077

Tot Ion: 85 Resp: 130482

Ion Ratio Lower Upper

85 100

87 32.6 25.6 38.4



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0

1.13

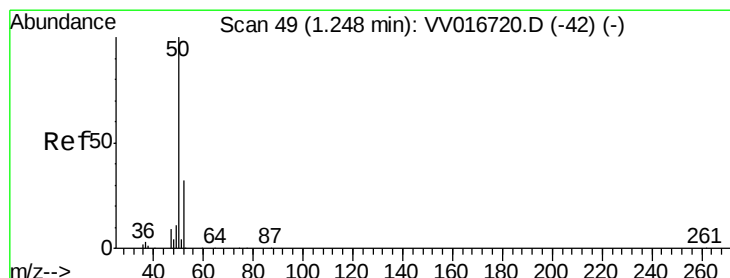
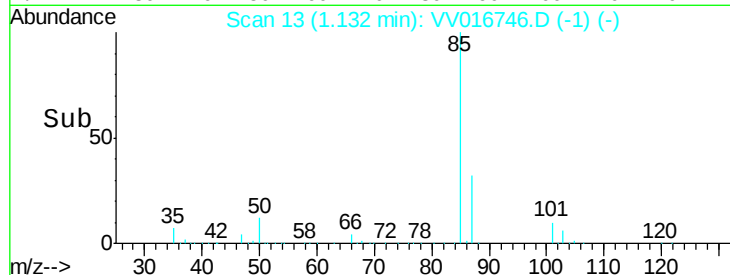
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 51.060 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV016746.D

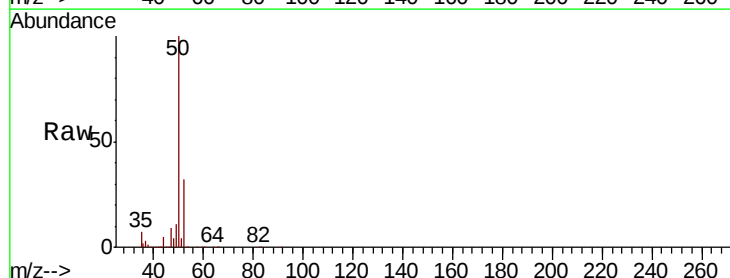
Acq: 10 Jun 2020 02:44

Tgt Ion: 50 Resp: 126784

Ion Ratio Lower Upper

50 100

52 32.0 22.5 41.7



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0

1.25

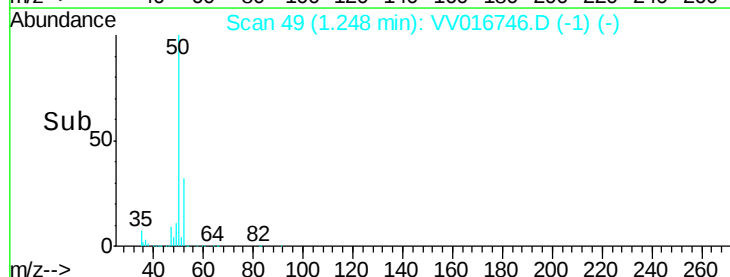
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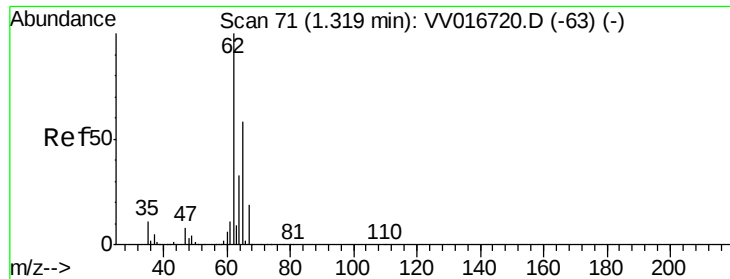
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 46.753 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV016746.D

Acq: 10 Jun 2020 02:44

Instrument :

MSVOA_V

ClientSampleId :

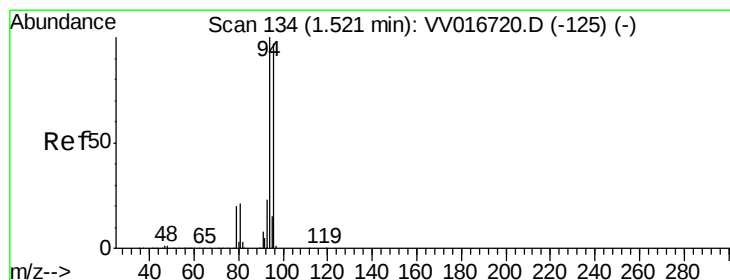
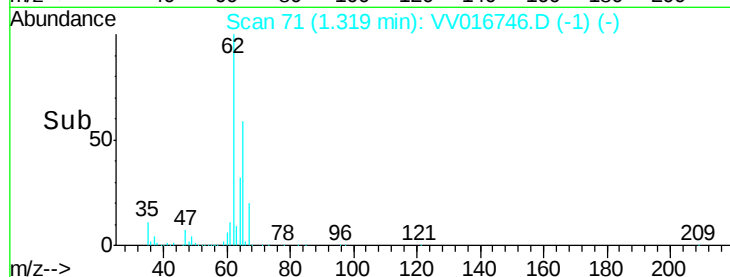
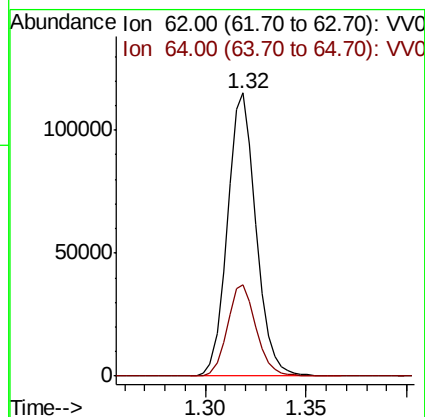
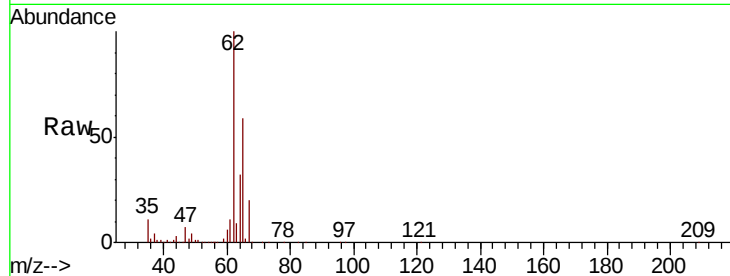
VSTD05077

Tot Ion: 62 Resp: 114160

Ion Ratio Lower Upper

62 100

64 32.3 22.3 41.5



#6

Bromomethane

Concen: 39.895 ug/L

RT: 1.51 min Scan# 130

Delta R.T. -0.01 min

Lab File: VV016746.D

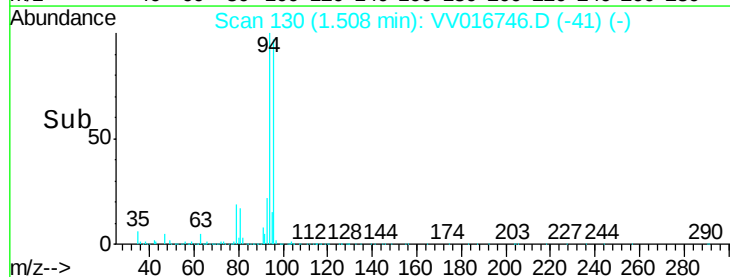
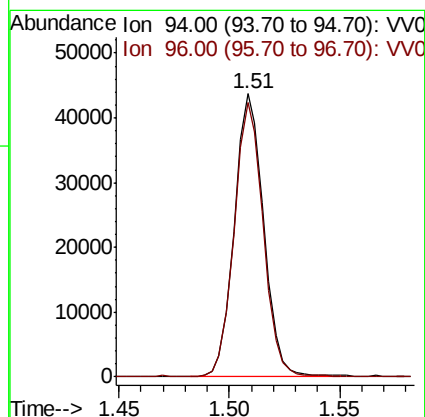
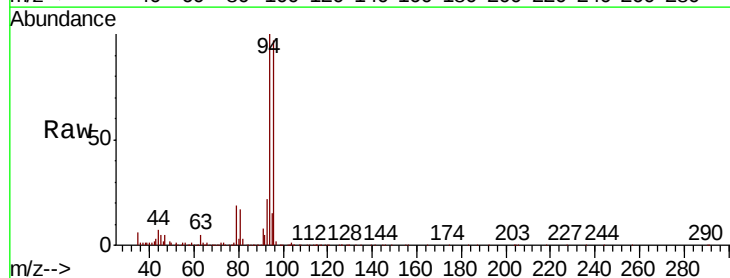
Acq: 10 Jun 2020 02:44

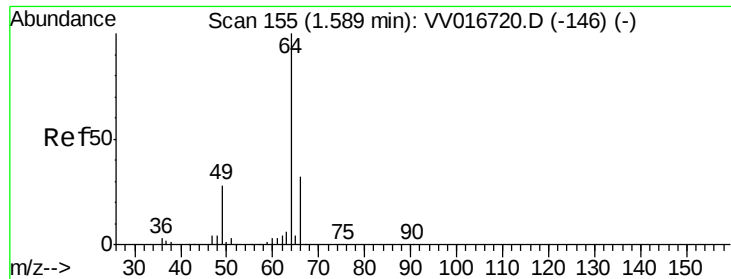
Tgt Ion: 94 Resp: 40572

Ion Ratio Lower Upper

94 100

96 97.0 64.5 119.9





#8

Chloroethane

Concen: 51.612 ug/L

RT: 1.58 min Scan# 151

Delta R.T. -0.01 min

Lab File: VV016746.D

Acq: 10 Jun 2020 02:44

Instrument :

MSVOA_V

ClientSampleId :

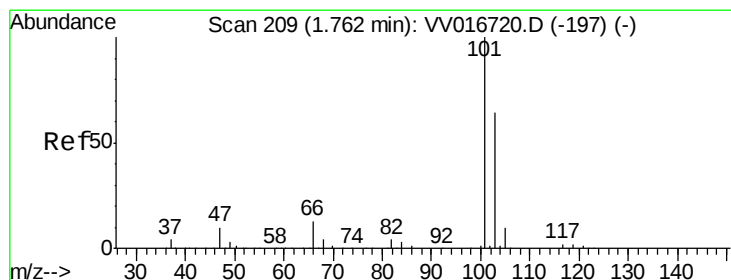
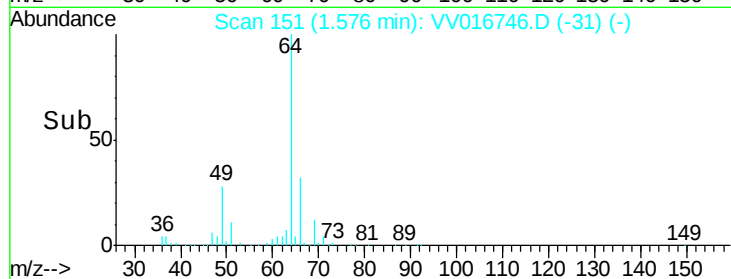
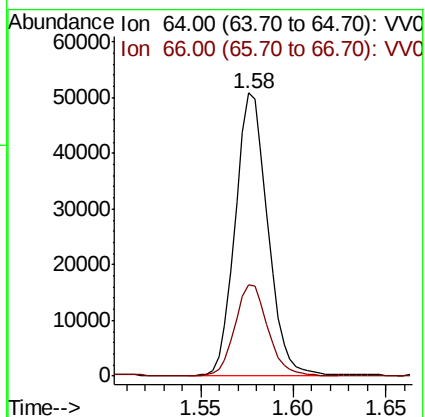
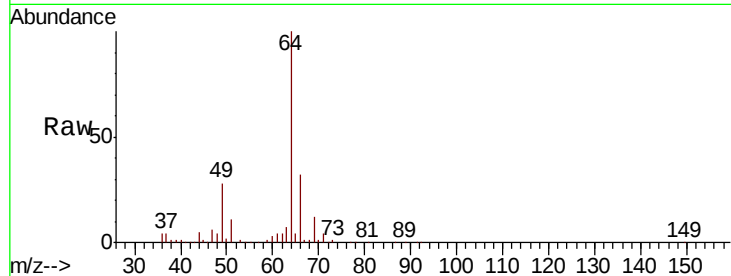
VSTD05077

Tot Ion: 64 Resp: 62252

Ion Ratio Lower Upper

64 100

66 32.3 23.2 43.0



#9

Trichlorofluoromethane

Concen: 48.102 ug/L

RT: 1.75 min Scan# 206

Delta R.T. -0.01 min

Lab File: VV016746.D

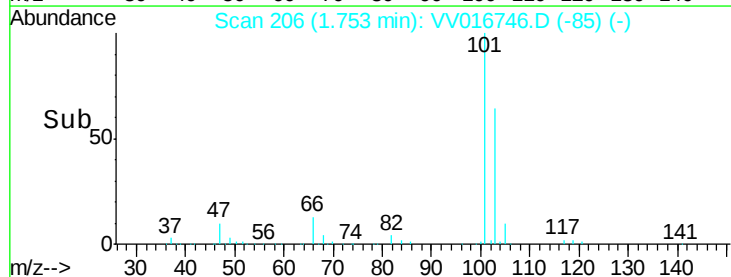
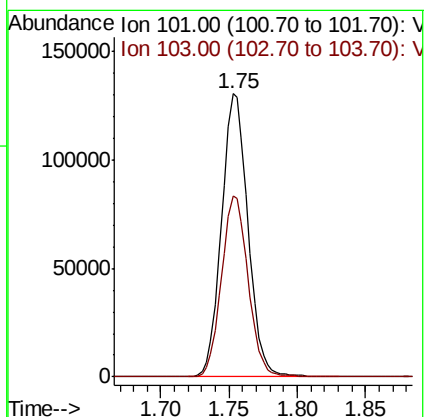
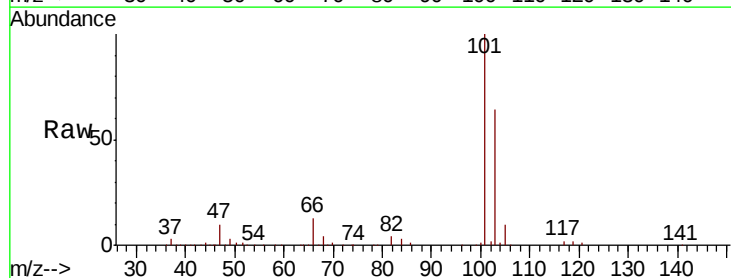
Acq: 10 Jun 2020 02:44

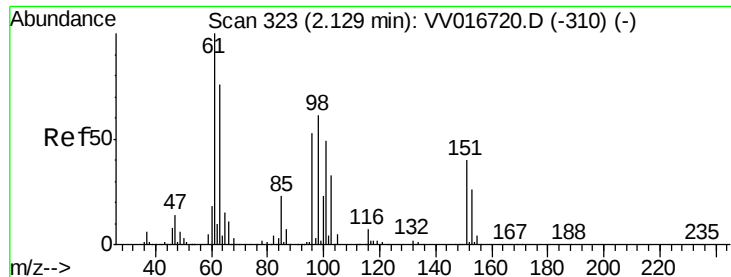
Tgt Ion: 101 Resp: 175769

Ion Ratio Lower Upper

101 100

103 64.5 51.3 76.9





#10

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

Concen: 45.968 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.00 min

Lab File: VV016746.D

Acq: 10 Jun 2020 02:44

Instrument :

MSVOA_V

ClientSampleId :

VSTD05077

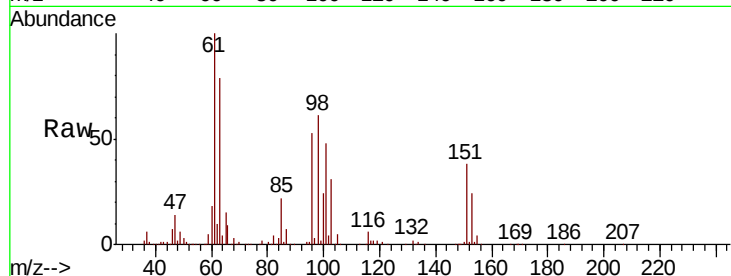
Tot Ion:101 Resp: 83701

Ion Ratio Lower Upper

101 100

85 45.3 35.5 53.3

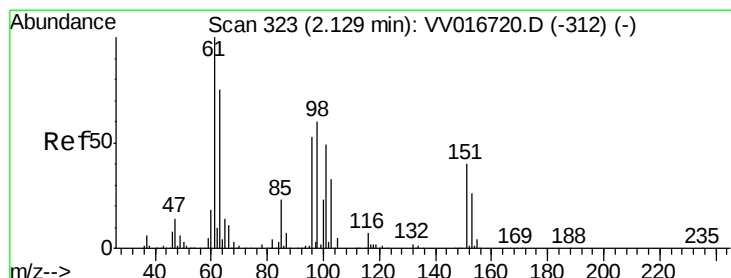
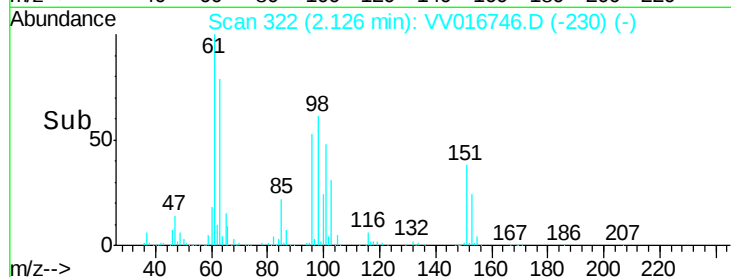
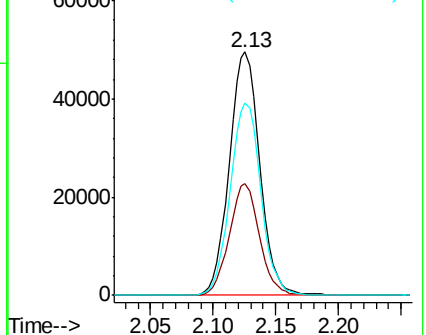
151 79.6 63.9 95.9



Abundance Ion 101.00 (100.70 to 101.70): VV016746.D (-230) (-)

Ion 85.00 (84.70 to 85.70): VV016746.D (-230) (-)

Ion 151.00 (150.70 to 151.70): VV016746.D (-230) (-)



#12

1,1-Dichloroethene

Concen: 47.070 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.00 min

Lab File: VV016746.D

Acq: 10 Jun 2020 02:44

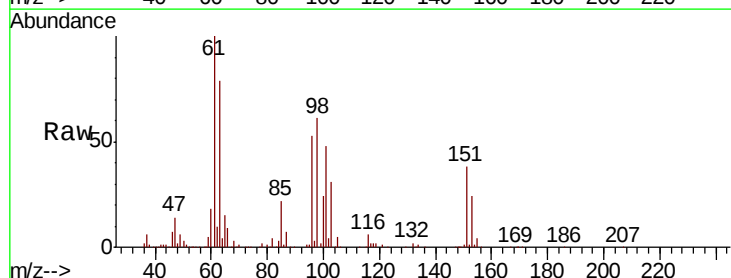
Tgt Ion: 96 Resp: 80009

Ion Ratio Lower Upper

96 100

61 189.8 130.4 242.2

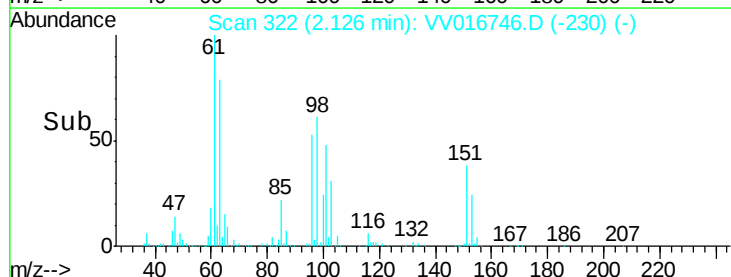
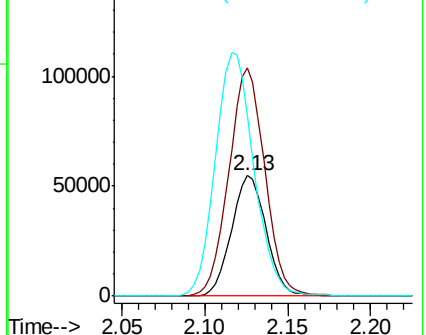
63 150.4 103.3 191.9

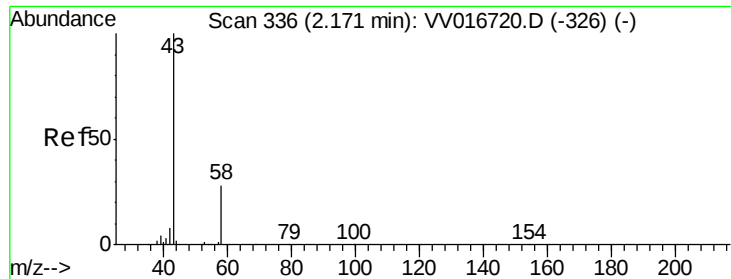


Abundance Ion 96.00 (95.70 to 96.70): VV016746.D (-230) (-)

Ion 61.00 (60.70 to 61.70): VV016746.D (-230) (-)

Ion 63.00 (62.70 to 63.70): VV016746.D (-230) (-)





#13

Acetone

Concen: 88.527 ug/L

RT: 2.17 min Scan# 336

Delta R.T. -0.00 min

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Acq: 10 Jun 2020 02:44

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ClientSampleId :

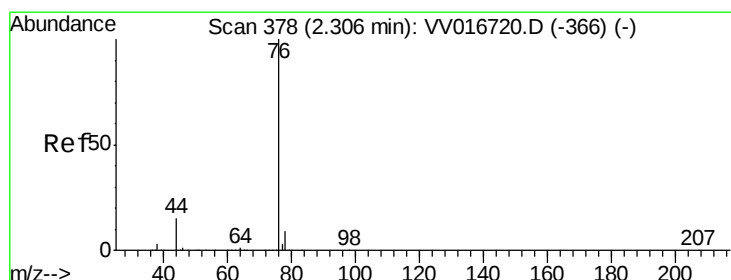
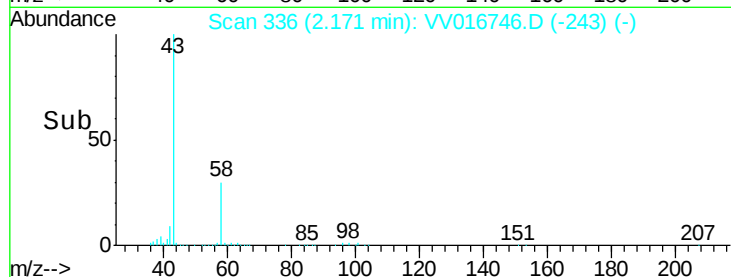
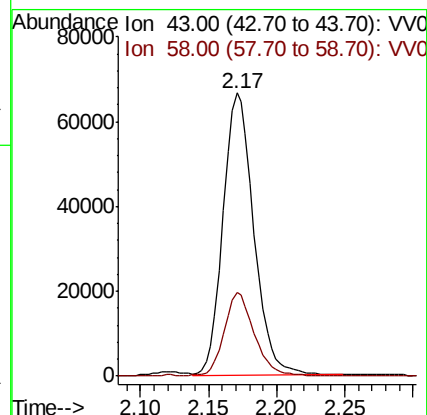
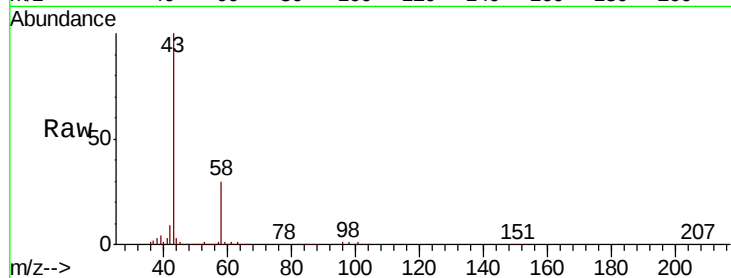
VSTD05077

Tot Ion: 43 Resp: 104326

Ion Ratio Lower Upper

43 100

58 28.6 0.0 55.2



#14

Carbon disulfide

Concen: 46.111 ug/L

RT: 2.30 min Scan# 377

Delta R.T. -0.00 min

Lab File: VV016746.D

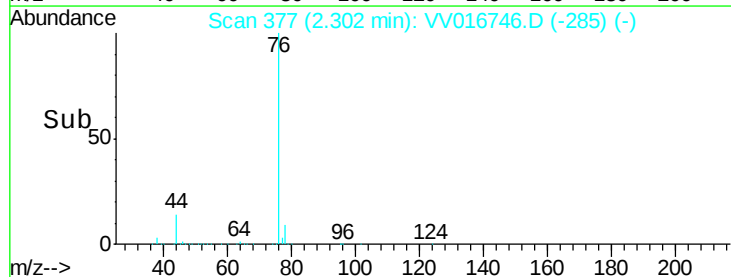
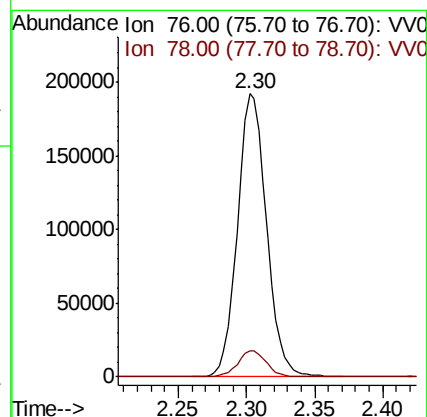
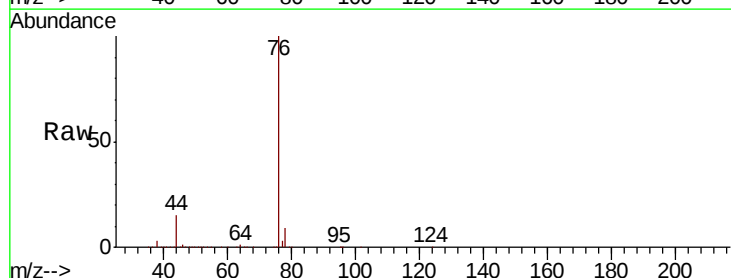
Acq: 10 Jun 2020 02:44

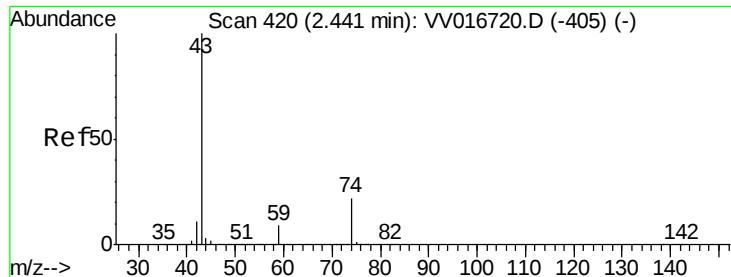
Tgt Ion: 76 Resp: 283781

Ion Ratio Lower Upper

76 100

78 9.3 7.4 11.0

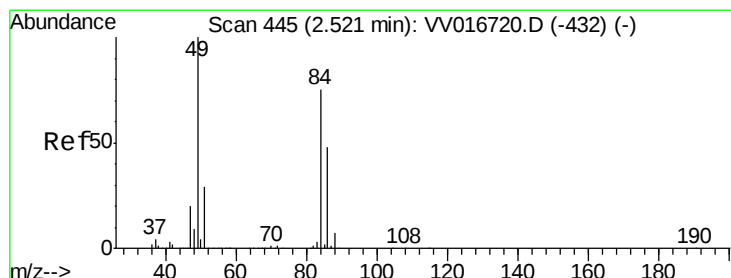
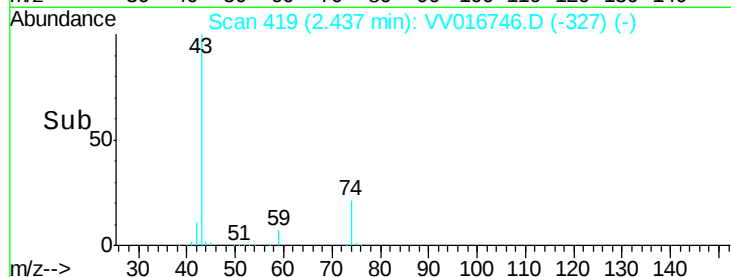
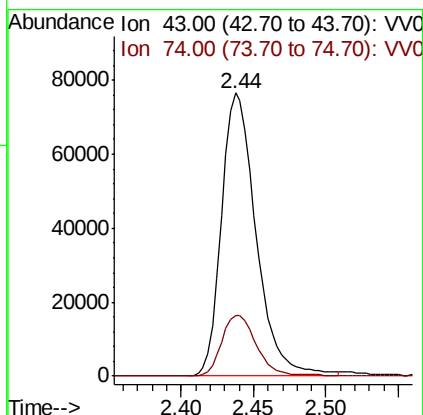
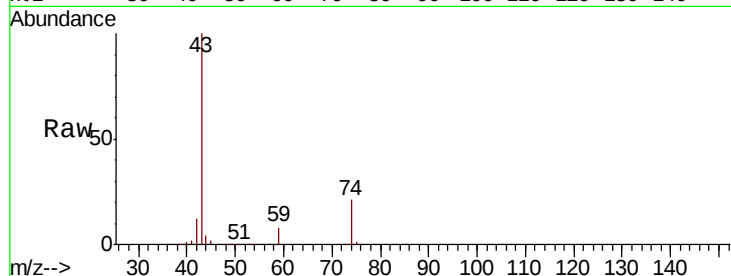




#15
Methvl Acetate
Concen: 48.219 ug/L
RT: 2.44 min Scan# 419
Delta R.T. -0.00 min
Lab File: VV016746.D
Acq: 10 Jun 2020 02:44

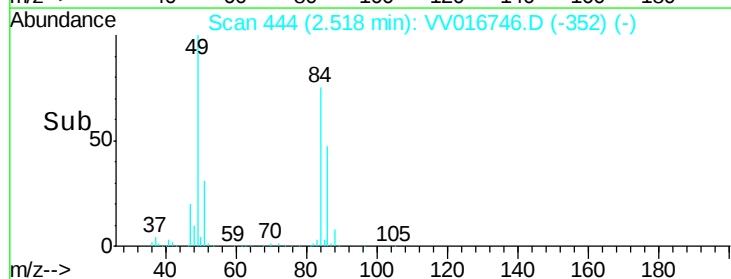
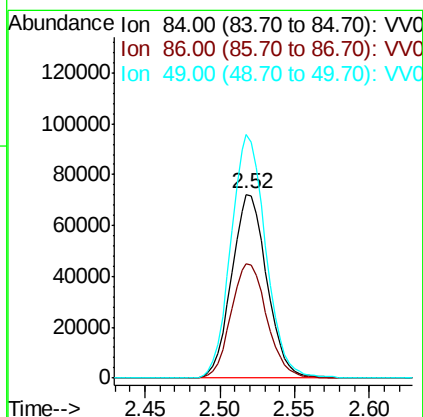
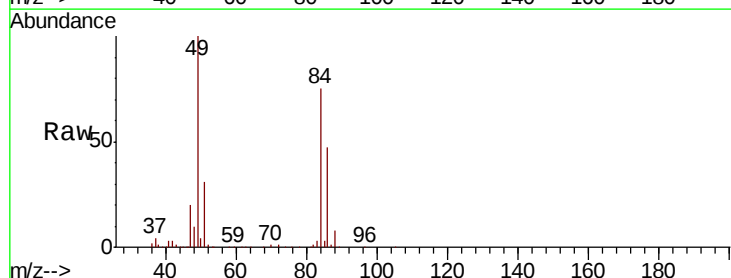
Instrument :
MSVOA_V
ClientSampleId :
VSTD05077

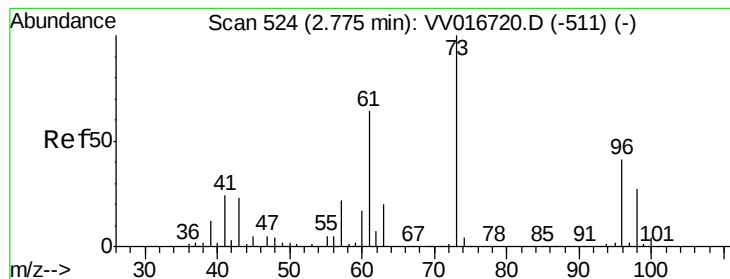
Tot Ion: 43 Resp: 126654
Ion Ratio Lower Upper
43 100
74 21.8 17.9 26.9



#16
Methylene chloride
Concen: 47.644 ug/L
RT: 2.52 min Scan# 444
Delta R.T. -0.00 min
Lab File: VV016746.D
Acq: 10 Jun 2020 02:44

Tgt Ion: 84 Resp: 118838
Ion Ratio Lower Upper
84 100
86 62.4 44.0 81.8
49 132.5 90.9 168.9





#17

trans-1,2-Dichloroethene

Concen: 47.018 ug/L

RT: 2.78 min Scan# 524

Delta R.T. -0.00 min

Lab File: VV016746.D

Acq: 10 Jun 2020 02:44

Instrument :

MSVOA_V

ClientSampled :

VSTD05077

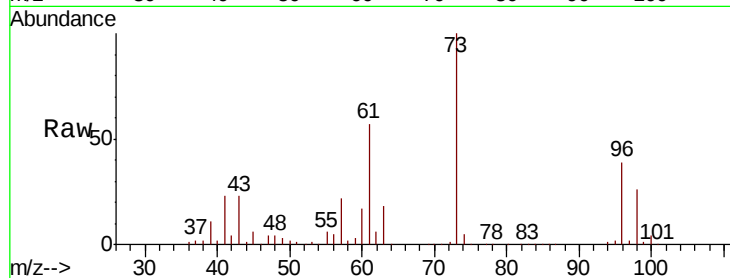
Tot Ion: 96 Resp: 108969

Ion Ratio Lower Upper

96 100

61 145.1 102.9 191.1

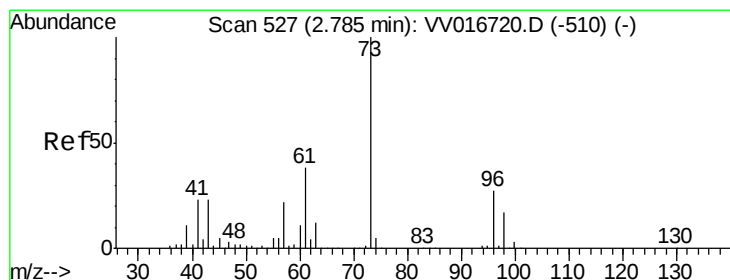
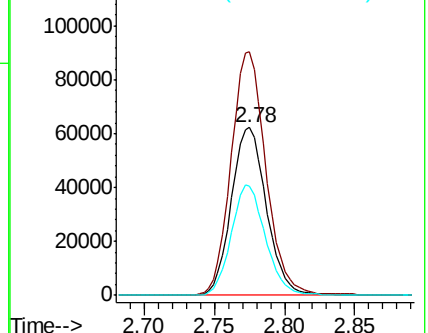
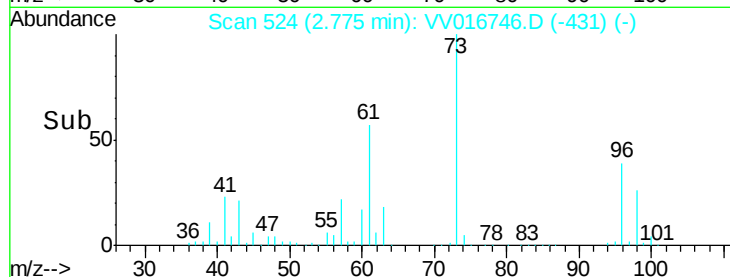
98 65.3 45.5 84.5



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: 48.544 ug/L

RT: 2.78 min Scan# 526

Delta R.T. -0.00 min

Lab File: VV016746.D

Acq: 10 Jun 2020 02:44

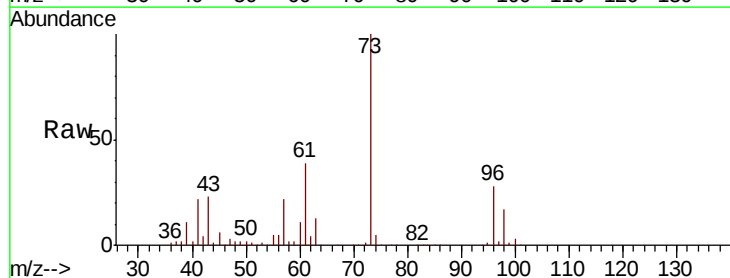
Tgt Ion: 73 Resp: 372788

Ion Ratio Lower Upper

73 100

43 22.9 17.8 26.6

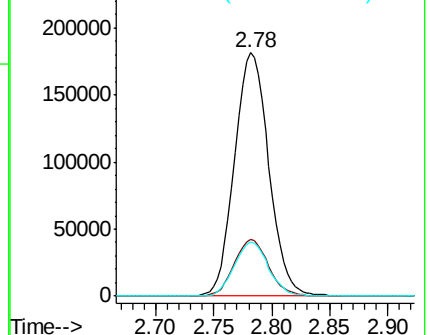
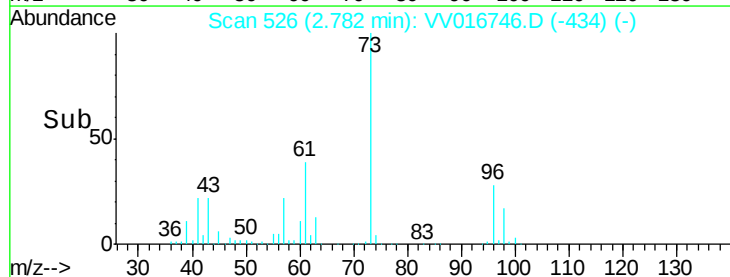
57 22.2 17.7 26.5

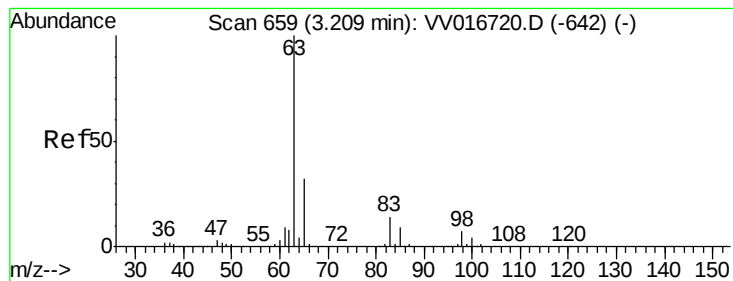


Abundance Ion 73.00 (72.70 to 73.70): VV0

Ion 43.00 (42.70 to 43.70): VV0

Ion 57.00 (56.70 to 57.70): VV0





#19

1,1-Dichloroethane

Concen: 47.738 ug/L

RT: 3.21 min Scan# 658

Delta R.T. -0.00 min

Lab File: VV016746.D

Acq: 10 Jun 2020 02:44

Instrument :

MSVOA_V

ClientSampleId :

VSTD05077

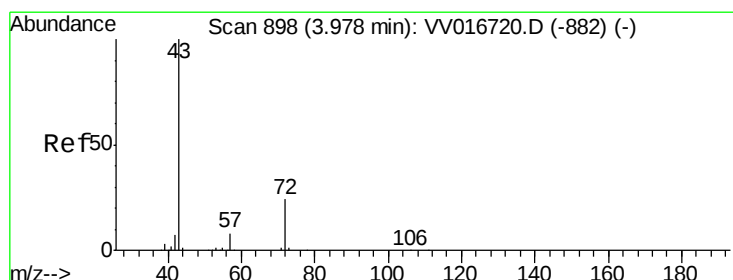
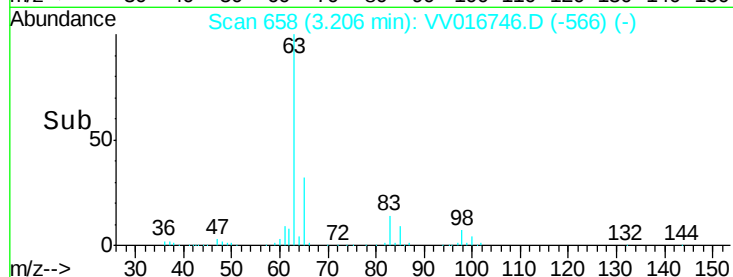
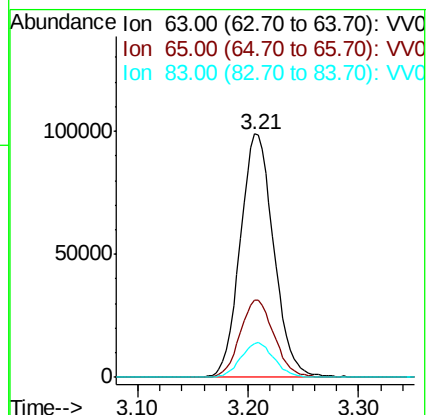
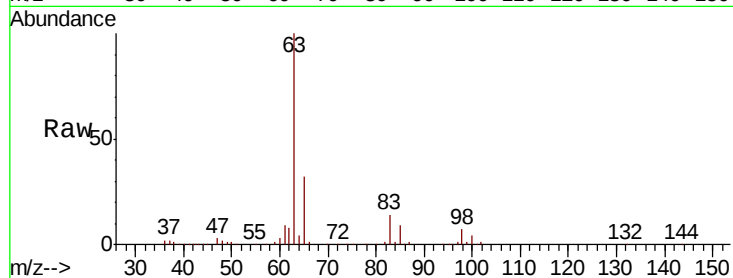
Tot Ion: 63 Resp: 208257

Ion	Ratio	Lower	Upper
63	100		
65	31.6	23.2	43.0
83	14.0	10.0	18.6

63 100

65 31.6 23.2 43.0

83 14.0 10.0 18.6



#22

2-Butanone

Concen: 96.787 ug/L

RT: 3.98 min Scan# 898

Delta R.T. -0.00 min

Lab File: VV016746.D

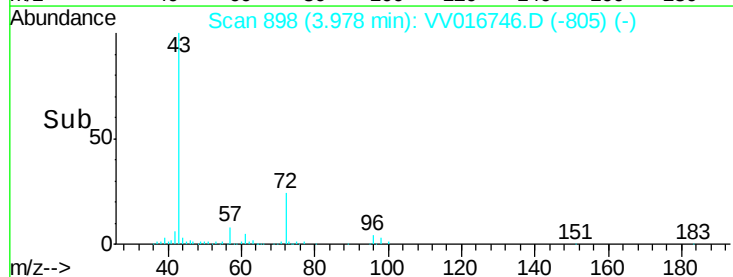
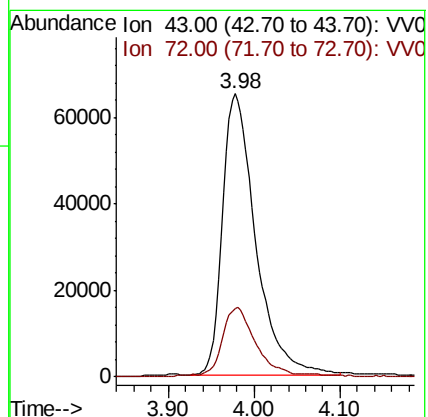
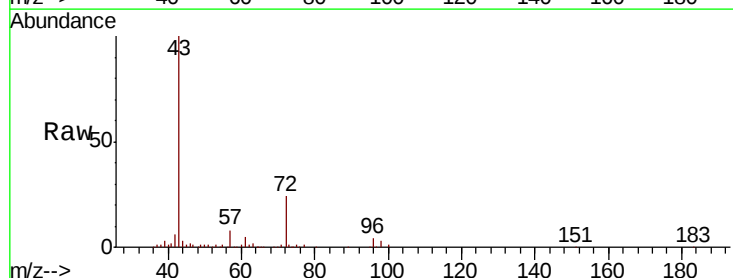
Acq: 10 Jun 2020 02:44

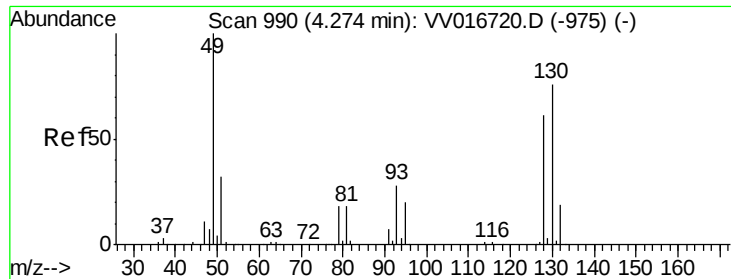
Tgt Ion: 43 Resp: 175889

Ion	Ratio	Lower	Upper
43	100		
72	23.0	12.4	37.4

43 100

72 23.0 12.4 37.4





#23

Bromochloromethane

Concen: 49.972 ug/L

RT: 4.27 min Scan# 989

Delta R.T. -0.00 min

Lab File: VV016746.D

Acq: 10 Jun 2020 02:44

Instrument :
MSVOA_V
ClientSampleId :
VSTD05077

Tot Ion:128 Resp: 66512

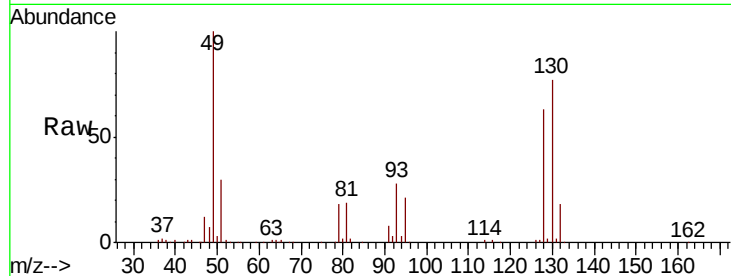
Ion Ratio Lower Upper

128 100

49 159.8 111.9 207.9

130 123.2 91.5 169.9

51 48.0 42.1 63.1

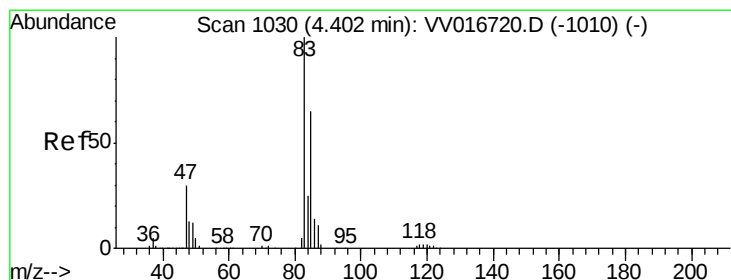
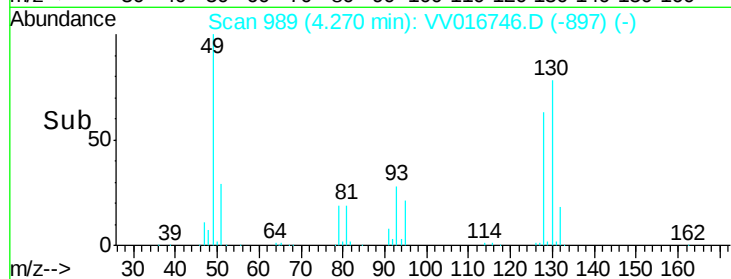
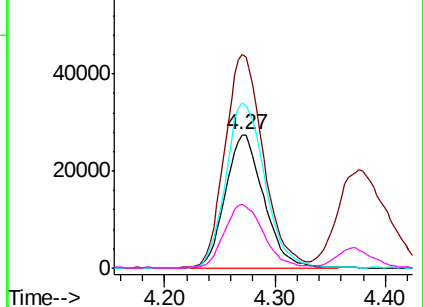


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VV0

Ion 130.00 (129.70 to 130.70): V

Ion 51.00 (50.70 to 51.70): VV0



#25

Chloroform

Concen: 49.715 ug/L

RT: 4.40 min Scan# 1029

Delta R.T. -0.00 min

Lab File: VV016746.D

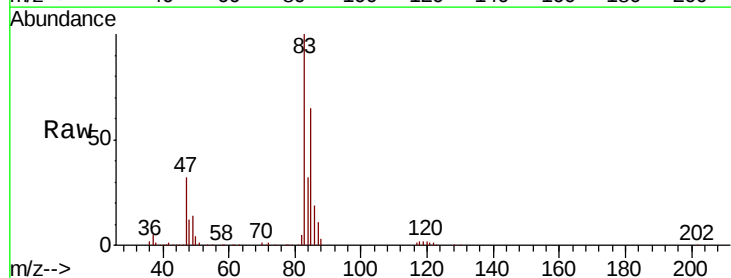
Acq: 10 Jun 2020 02:44

Tgt Ion: 83 Resp: 222888

Ion Ratio Lower Upper

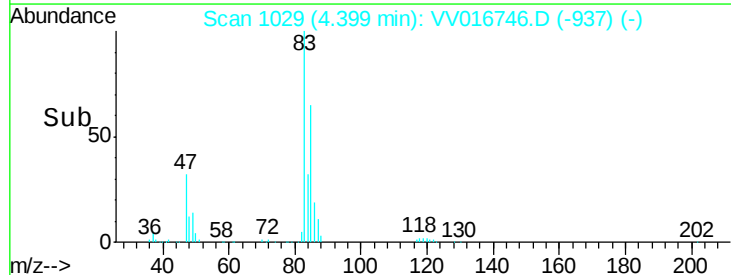
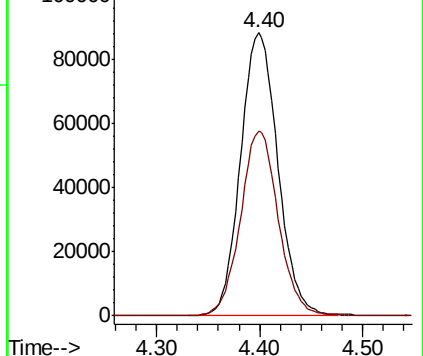
83 100

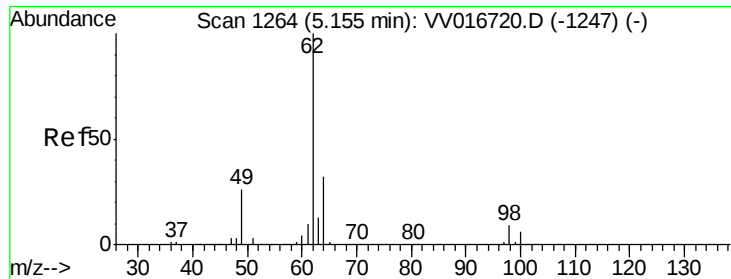
85 65.1 44.1 81.9



Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0





#27

1,2-Dichloroethane

Concen: 49.623 ug/L

RT: 5.15 min Scan# 1263

Delta R.T. -0.00 min

Lab File: VV016746.D

Acq: 10 Jun 2020 02:44

Instrument :

MSVOA_V

ClientSampleId :

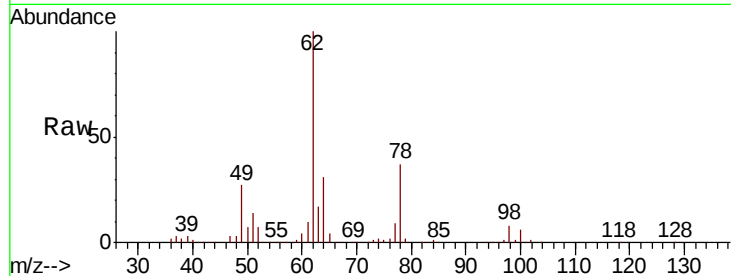
VSTD05077

Tot Ion: 62 Resp: 186500

Ion Ratio Lower Upper

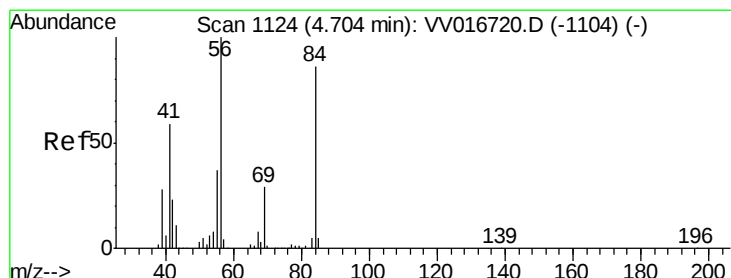
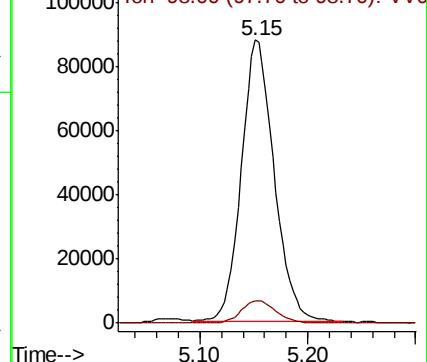
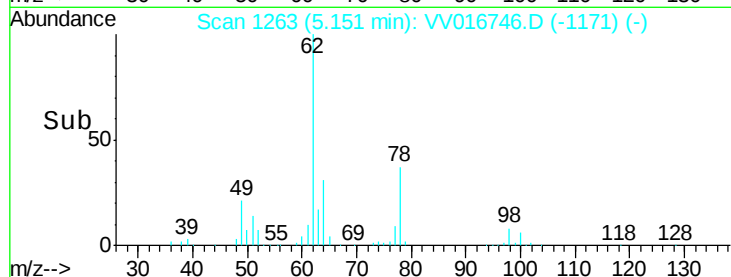
62 100

98 7.9 7.4 11.2



Abundance Ion 62.00 (61.70 to 62.70): VV016746.D (-1171) (-)

Ion 98.00 (97.70 to 98.70): VV016746.D (-1171) (-)



#29

Cyclohexane

Concen: 46.115 ug/L

RT: 4.70 min Scan# 1123

Delta R.T. -0.00 min

Lab File: VV016746.D

Acq: 10 Jun 2020 02:44

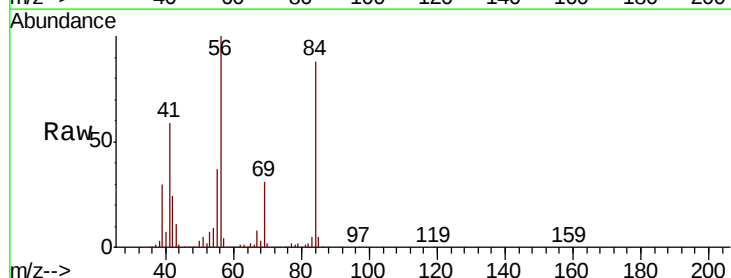
Tgt Ion: 56 Resp: 186328

Ion Ratio Lower Upper

56 100

69 30.7 25.0 37.4

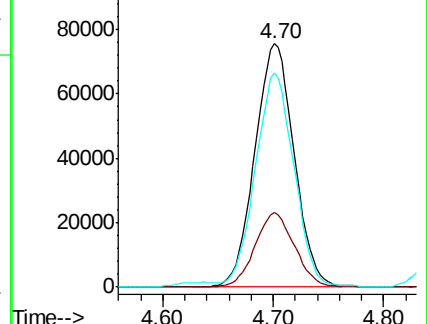
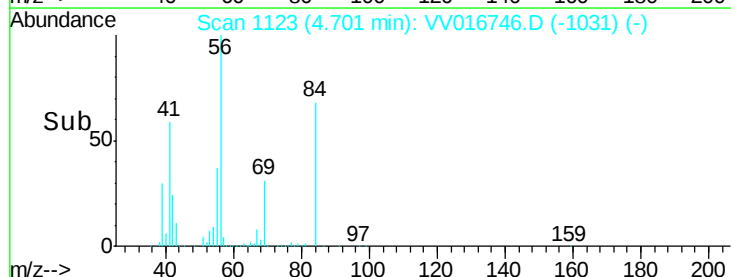
84 87.1 69.5 104.3

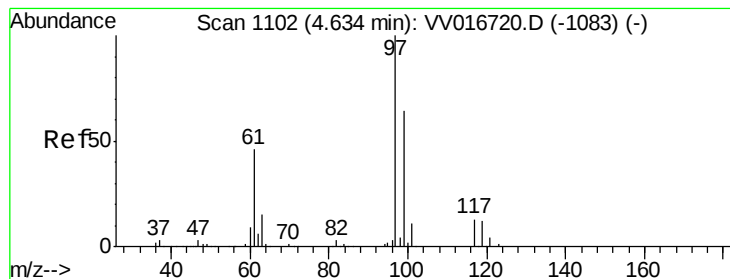


Abundance Ion 56.00 (55.70 to 56.70): VV016746.D (-1031) (-)

Ion 69.00 (68.70 to 69.70): VV016746.D (-1031) (-)

Ion 84.00 (83.70 to 84.70): VV016746.D (-1031) (-)





#30

1,1,1-Trichloroethane

Concen: 48.934 ug/L

RT: 4.63 min Scan# 1102

Delta R.T. -0.00 min

Lab File: VV016746.D

Acq: 10 Jun 2020 02:44

Instrument :

MSVOA_V

ClientSampleId :

VSTD05077

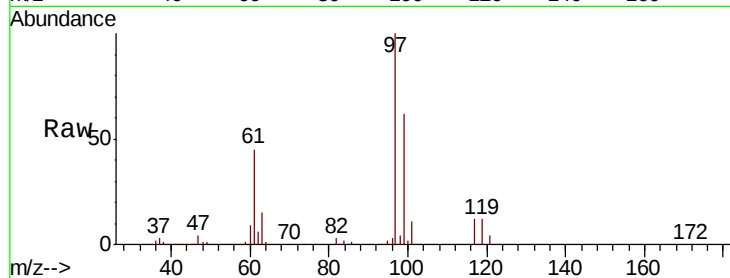
Tot Ion: 97 Resp: 202908

Ion Ratio Lower Upper

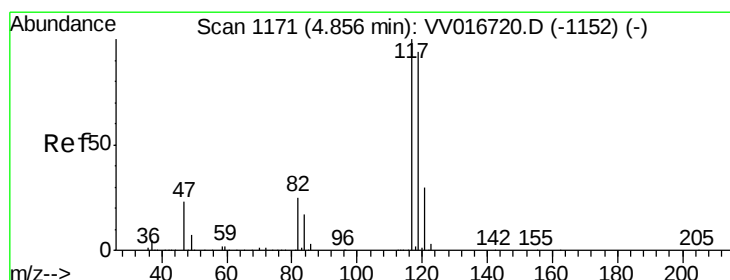
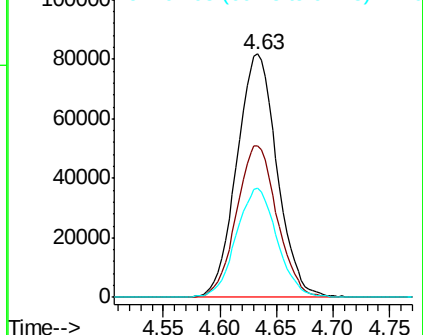
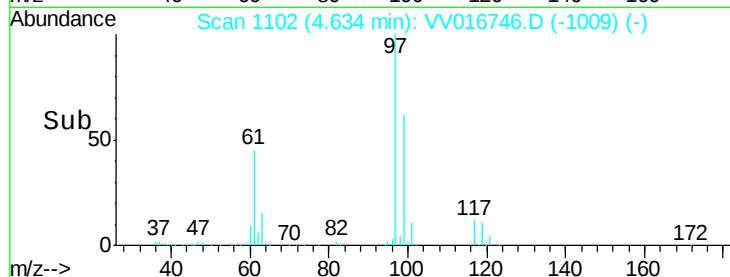
97 100

99 62.9 51.3 76.9

61 45.4 36.7 55.1



Abundance Ion 97.00 (96.70 to 97.70): VV016746.D (-1009) (-)



#31

Carbon tetrachloride

Concen: 49.210 ug/L

RT: 4.85 min Scan# 1170

Delta R.T. -0.00 min

Lab File: VV016746.D

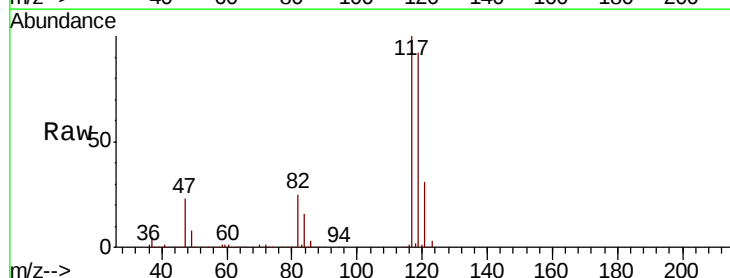
Acq: 10 Jun 2020 02:44

Tgt Ion: 117 Resp: 176525

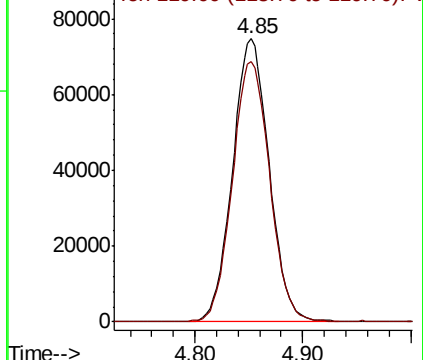
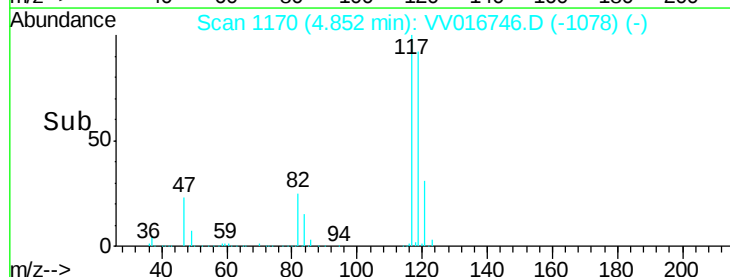
Ion Ratio Lower Upper

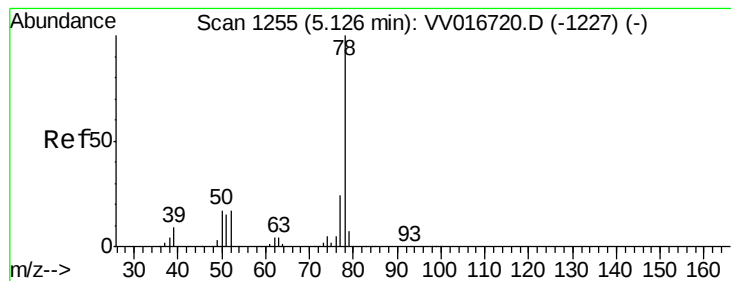
117 100

119 94.0 77.4 116.2



Abundance Ion 117.00 (116.70 to 117.70): VV016746.D (-1078) (-)





#33

Benzene

Concen: 47.619 ug/L

RT: 5.12 min Scan# 1254

Delta R.T. -0.00 min

Lab File: VV016746.D

Acq: 10 Jun 2020 02:44

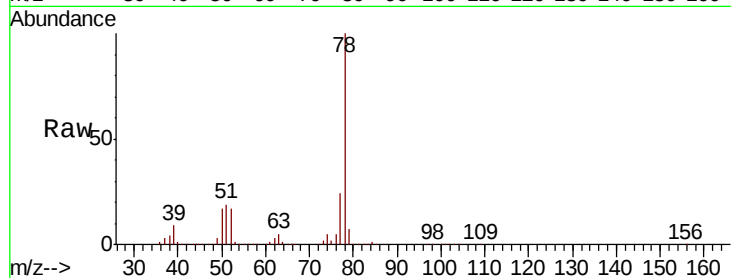
Instrument :

MSVOA_V

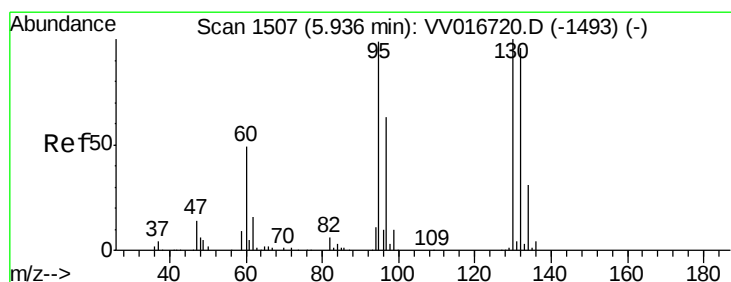
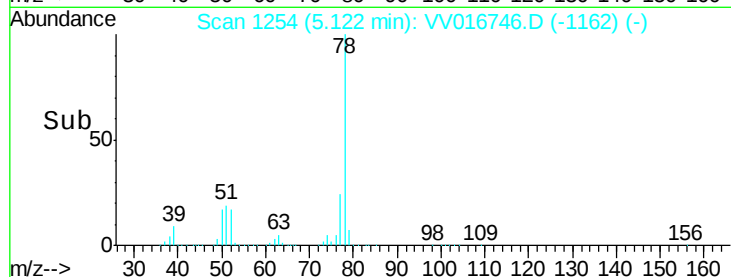
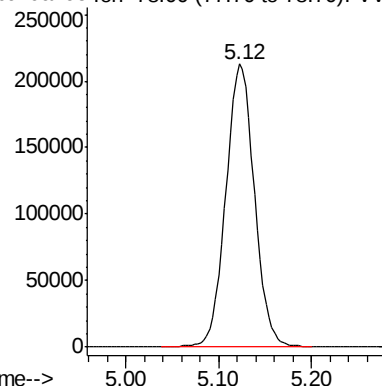
ClientSampleId :

VSTD05077

Tgt Ion: 78 Resp: 458106



Abundance Ion 78.00 (77.70 to 78.70): VV0



#34

Trichloroethene

Concen: 47.348 ug/L

RT: 5.94 min Scan# 1507

Delta R.T. -0.00 min

Lab File: VV016746.D

Acq: 10 Jun 2020 02:44

Tgt Ion: 95 Resp: 122163

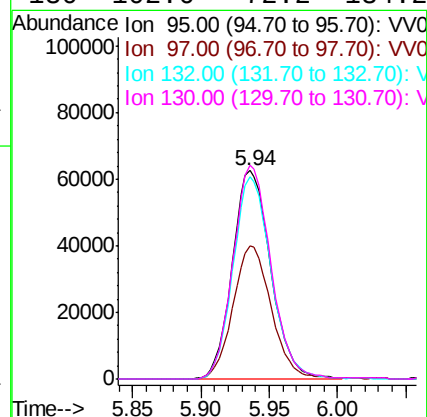
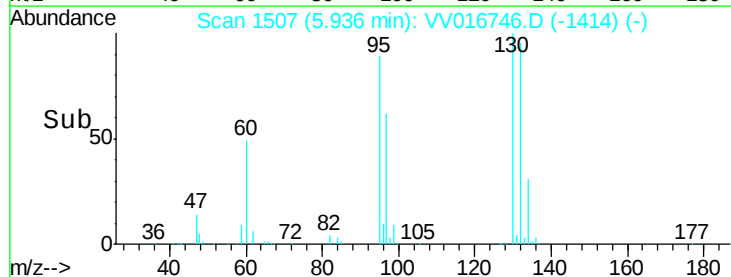
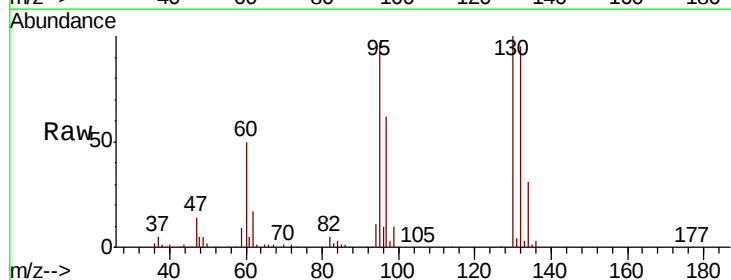
Ion	Ratio	Lower	Upper
95	100		
97	63.7	44.3	82.3
132	97.1	67.9	126.1
130	102.6	72.2	134.2

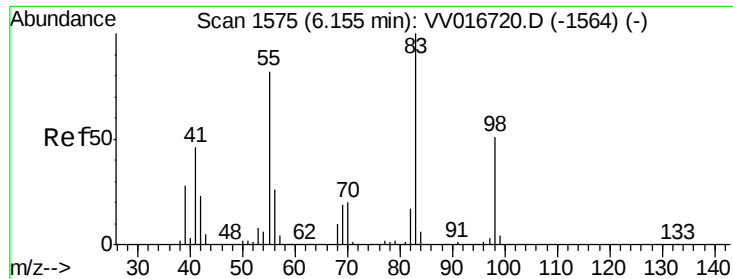
Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): VV0

Ion 130.00 (129.70 to 130.70): VV0

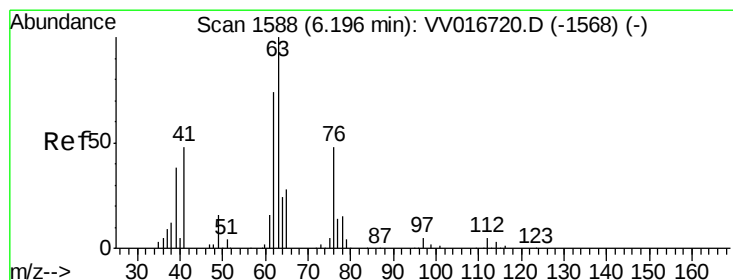
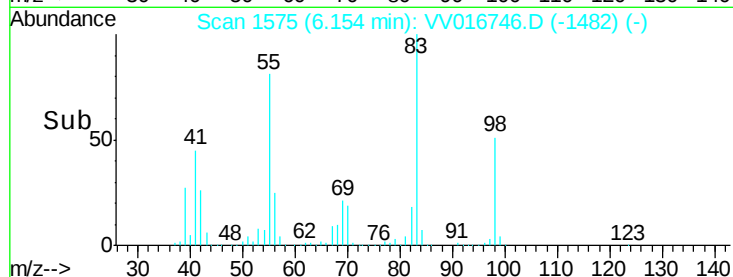
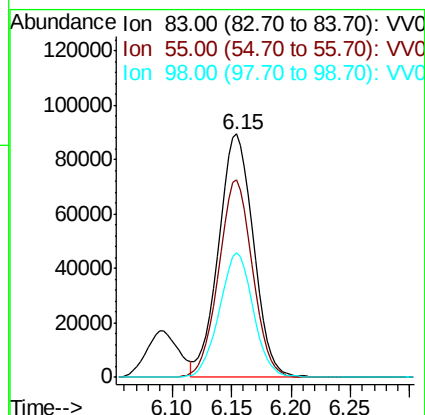
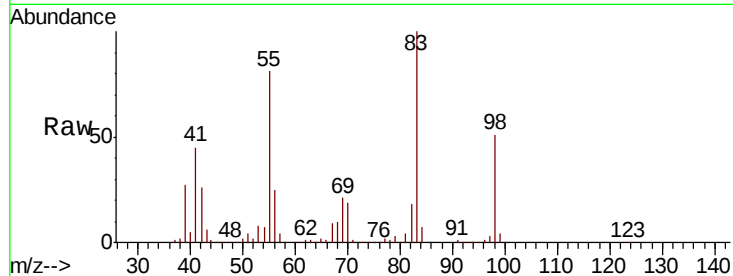




#35
Methvlcvclohexane
Concen: 45.056 ug/L
RT: 6.15 min Scan# 1575
Delta R.T. -0.00 min
Lab File: VV016746.D
Acq: 10 Jun 2020 02:44

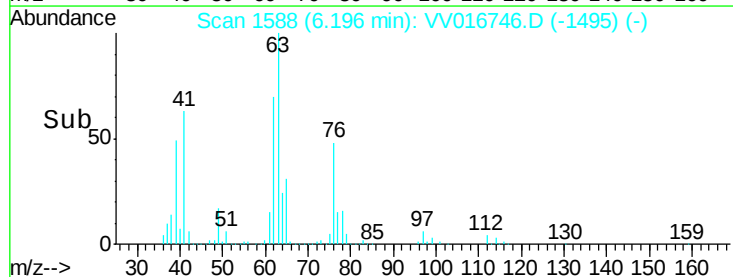
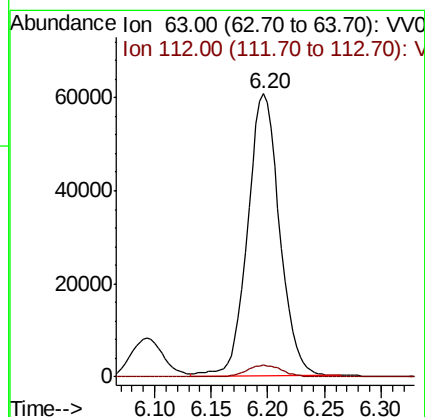
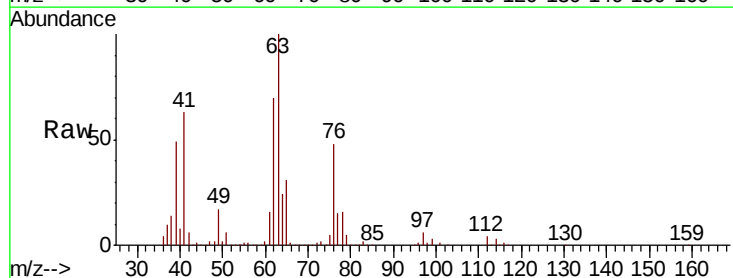
Instrument :
MSVOA_V
ClientSampleId :
VSTD05077

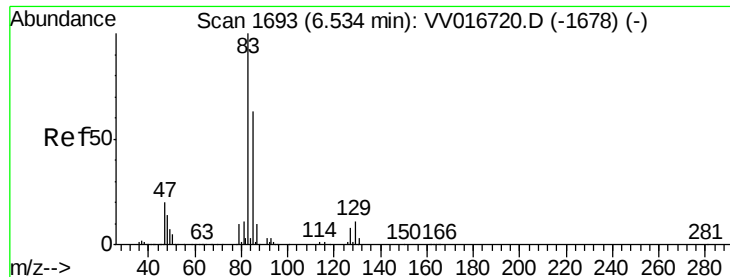
Tot Ion: 83 Resp: 182369
Ion Ratio Lower Upper
83 100
55 78.5 64.2 96.2
98 49.7 40.3 60.5



#37
1,2-Dichloropropane
Concen: 47.810 ug/L
RT: 6.20 min Scan# 1588
Delta R.T. -0.00 min
Lab File: VV016746.D
Acq: 10 Jun 2020 02:44

Tgt Ion: 63 Resp: 119612
Ion Ratio Lower Upper
63 100
112 4.6 3.8 5.6





#38

Bromodichloromethane

Concen: 48.234 ug/L

RT: 6.53 min Scan# 1692

Delta R.T. -0.00 min

Lab File: VV016746.D

Acq: 10 Jun 2020 02:44

Instrument :

MSVOA_V

ClientSampleId :

VSTD05077

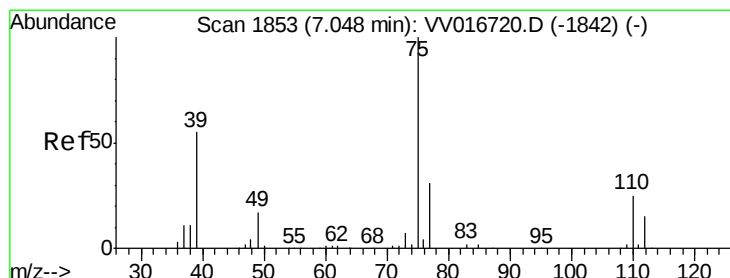
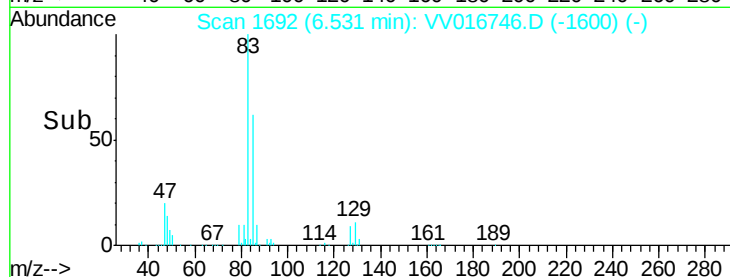
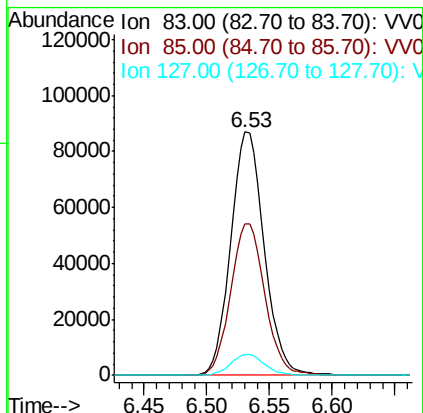
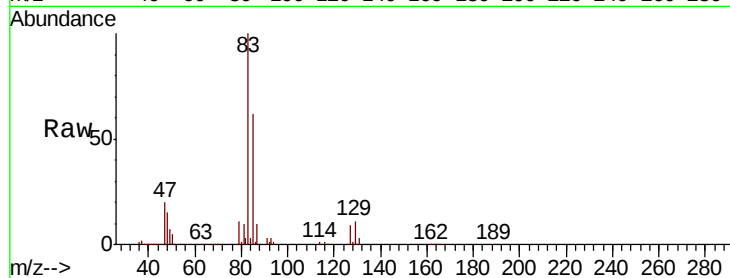
Tot Ion: 83 Resp: 160638

Ion Ratio Lower Upper

83 100

85 62.3 44.4 82.5

127 8.6 7.4 11.0



#39

cis-1,3-Dichloropropene

Concen: 46.846 ug/L

RT: 7.05 min Scan# 1853

Delta R.T. -0.00 min

Lab File: VV016746.D

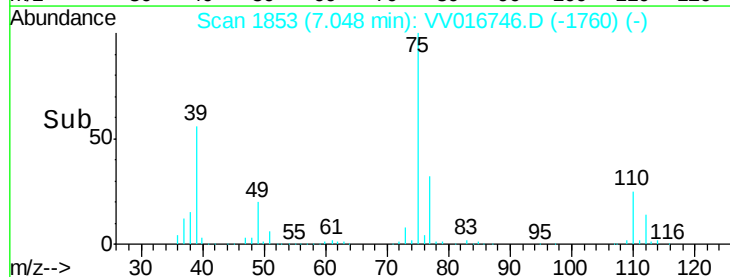
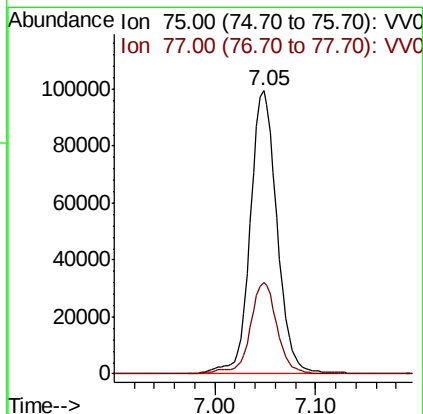
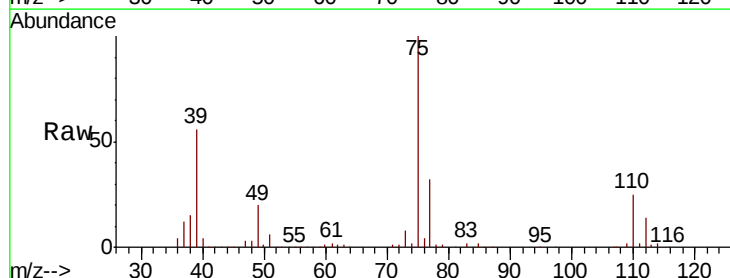
Acq: 10 Jun 2020 02:44

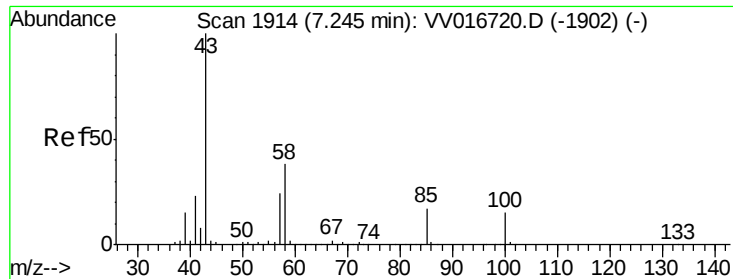
Tgt Ion: 75 Resp: 182050

Ion Ratio Lower Upper

75 100

77 32.5 22.7 42.1

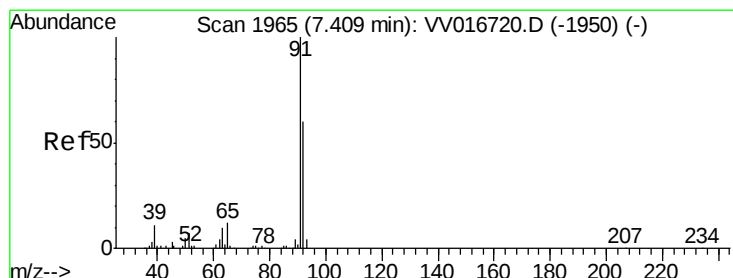
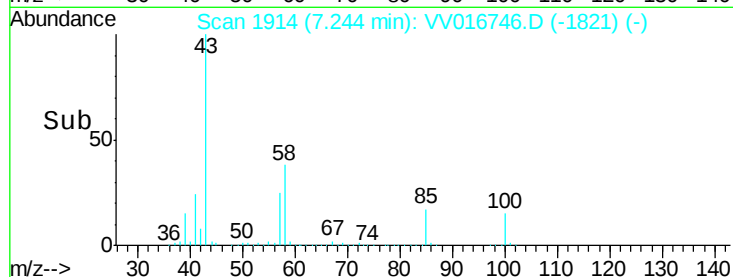
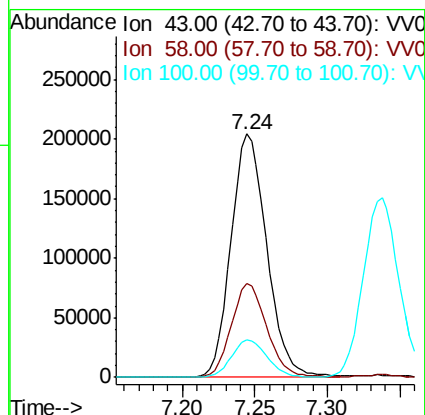
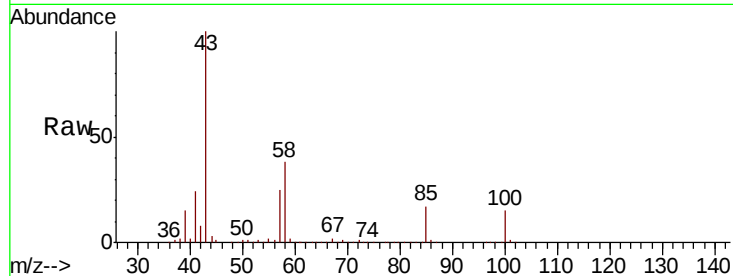




#40
4-Methyl-2-pentanone
Concen: 98.911 ug/L
RT: 7.24 min Scan# 1914
Delta R.T. -0.00 min
Lab File: VV016746.D
Acq: 10 Jun 2020 02:44

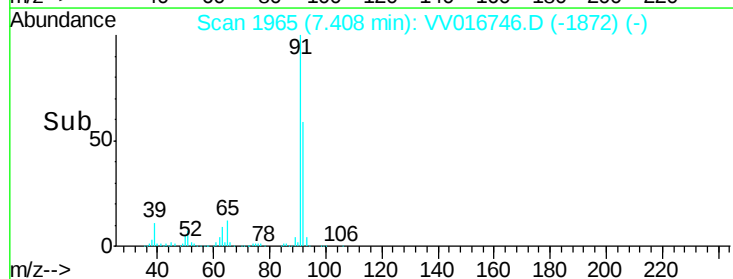
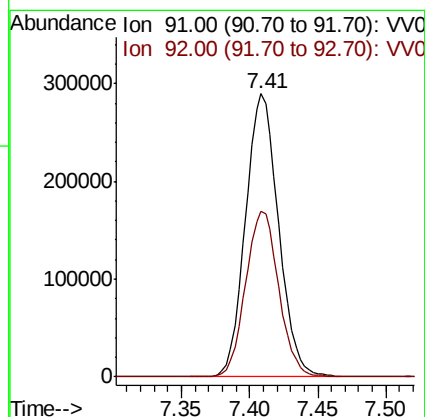
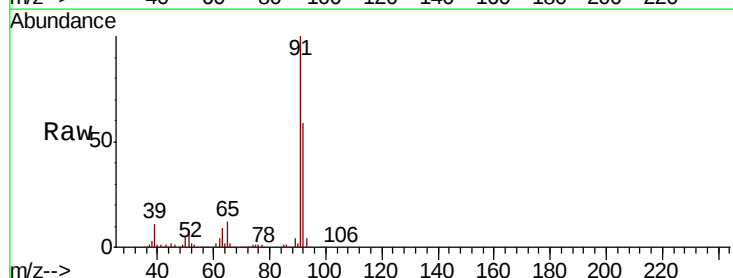
Instrument :
MSVOA_V
ClientSampleId :
VSTD05077

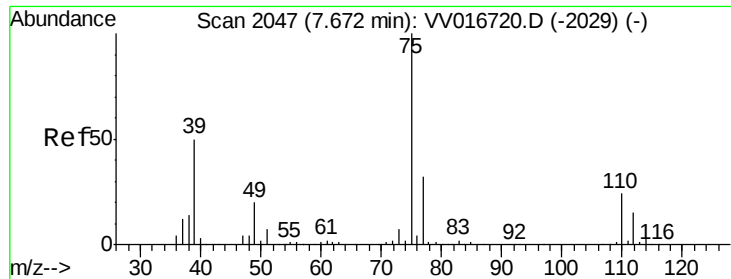
Tot Ion: 43 Resp: 350651
Ion Ratio Lower Upper
43 100
58 38.0 30.2 45.4
100 15.3 12.3 18.5



#42
Toluene
Concen: 48.015 ug/L
RT: 7.41 min Scan# 1965
Delta R.T. -0.00 min
Lab File: VV016746.D
Acq: 10 Jun 2020 02:44

Tgt Ion: 91 Resp: 486944
Ion Ratio Lower Upper
91 100
92 58.5 40.4 75.0





#44

trans-1,3-Dichloropropene

Concen: 46.402 ug/L

RT: 7.67 min Scan# 2047

Delta R.T. -0.00 min

Lab File: VV016746.D

Acq: 10 Jun 2020 02:44

Instrument :

MSVOA_V

ClientSampleId :

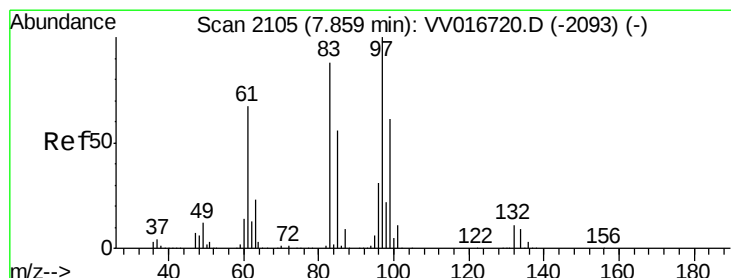
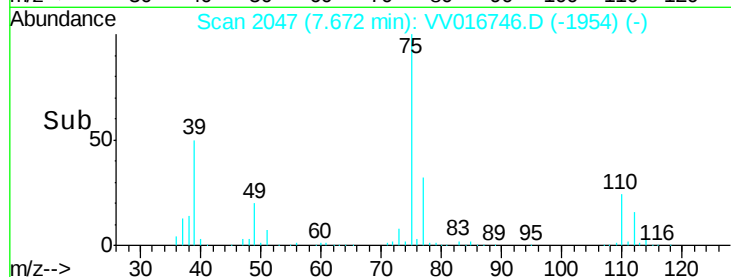
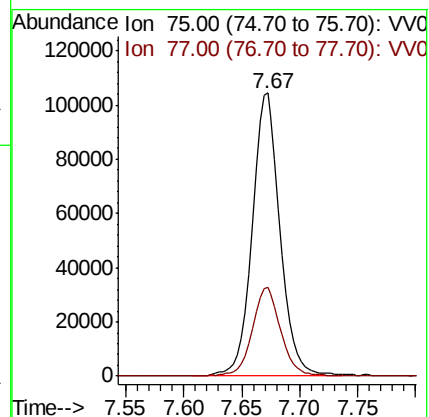
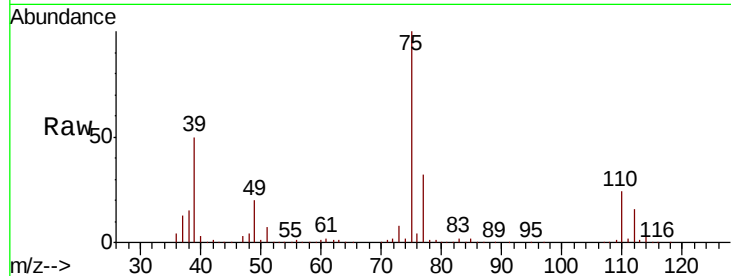
VSTD05077

Tot Ion: 75 Resp: 175310

Ion Ratio Lower Upper

75 100

77 31.6 21.7 40.3



#45

1,1,2-Trichloroethane

Concen: 47.562 ug/L

RT: 7.86 min Scan# 2105

Delta R.T. -0.00 min

Lab File: VV016746.D

Acq: 10 Jun 2020 02:44

Tgt Ion: 97 Resp: 114801

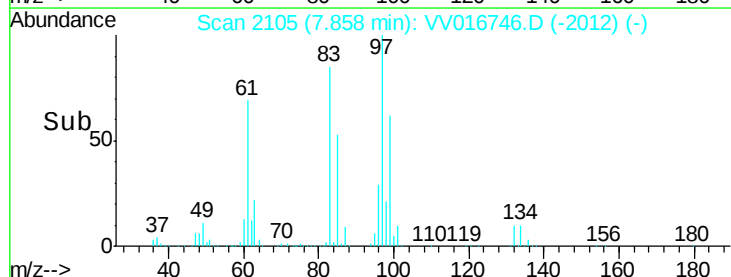
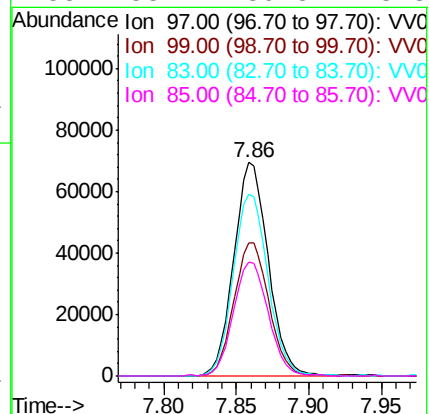
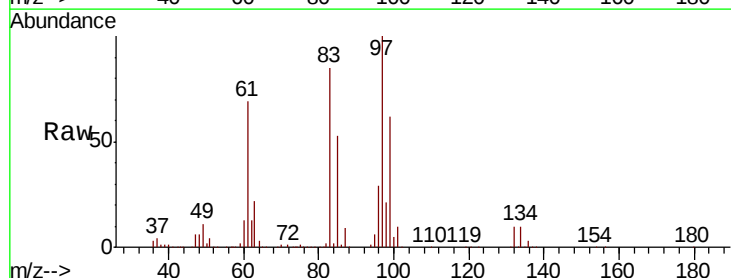
Ion Ratio Lower Upper

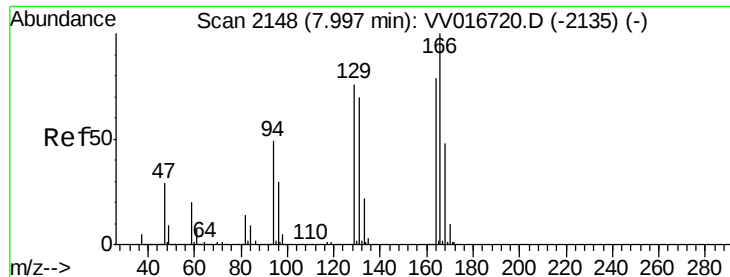
97 100

99 62.3 44.3 82.3

83 85.2 60.0 111.4

85 53.2 39.5 73.3





#46

Tetrachloroethene

Concen: 47.121 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. -0.00 min

Lab File: VV016746.D

Acq: 10 Jun 2020 02:44

Instrument :

MSVOA_V

ClientSampleId :

VSTD05077

Tot Ion:164 Resp: 95618

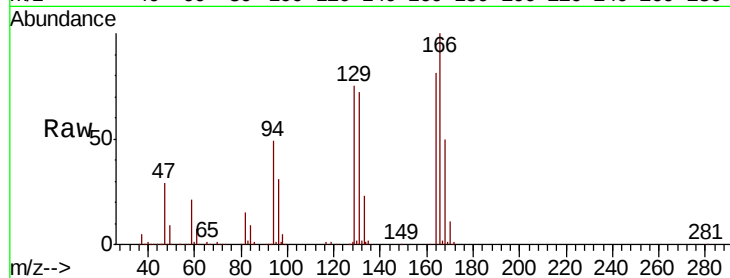
Ion Ratio Lower Upper

164 100

129 92.7 67.0 124.4

131 88.5 64.8 120.3

166 122.9 90.4 167.8

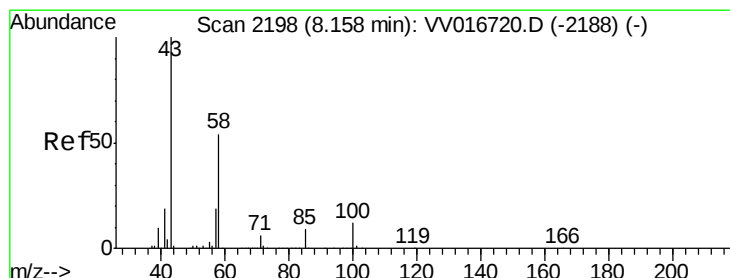
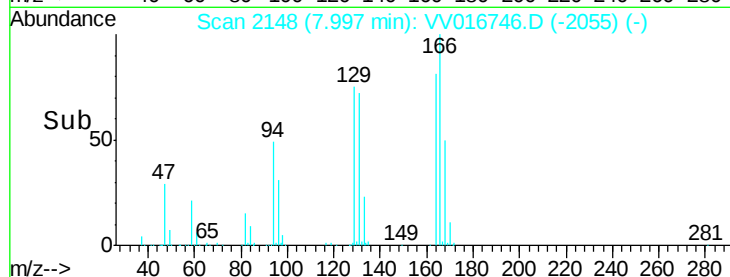
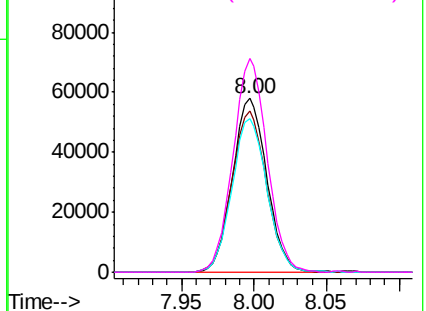


Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V



#48

2-Hexanone

Concen: 98.533 ug/L

RT: 8.16 min Scan# 2198

Delta R.T. -0.00 min

Lab File: VV016746.D

Acq: 10 Jun 2020 02:44

Tgt Ion: 43 Resp: 270844

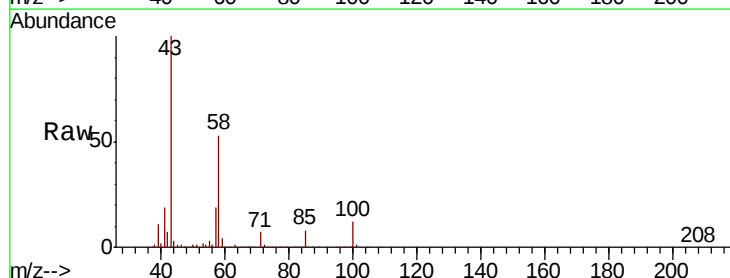
Ion Ratio Lower Upper

43 100

58 53.2 43.1 64.7

57 18.9 15.3 22.9

100 12.0 10.0 15.0

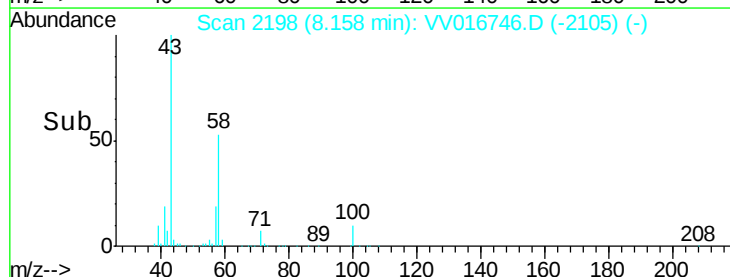
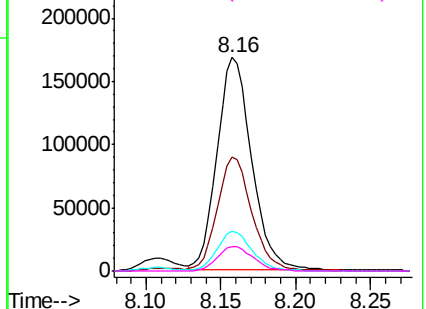


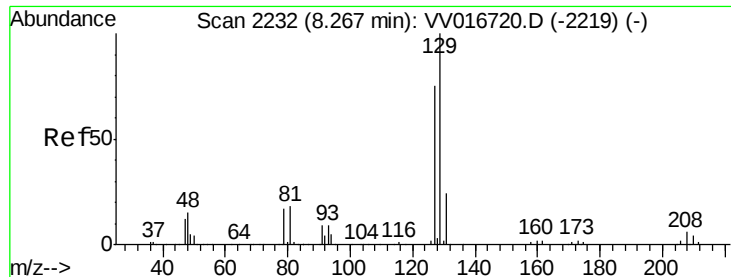
Abundance Ion 43.00 (42.70 to 43.70): VV0

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: 48.917 ug/L

RT: 8.27 min Scan# 2232

Delta R.T. -0.00 min

Lab File: VV016746.D

Acq: 10 Jun 2020 02:44

Instrument :

MSVOA_V

ClientSampleId :

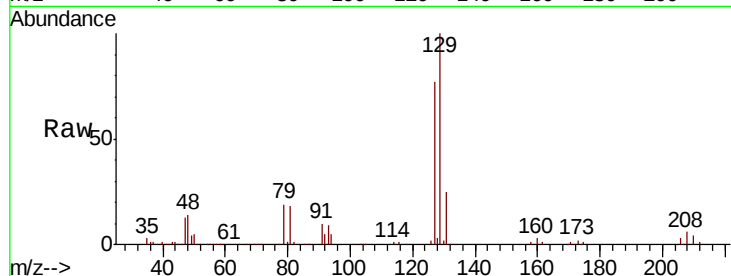
VSTD05077

Tot Ion:129 Resp: 126242

Ion Ratio Lower Upper

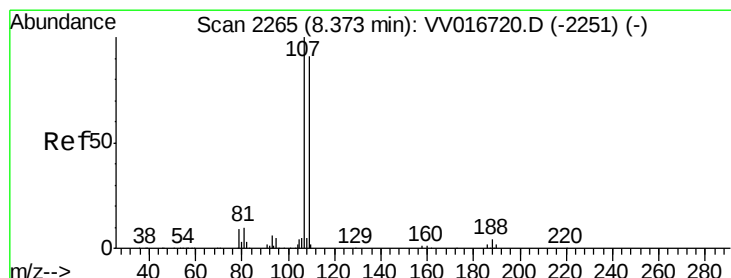
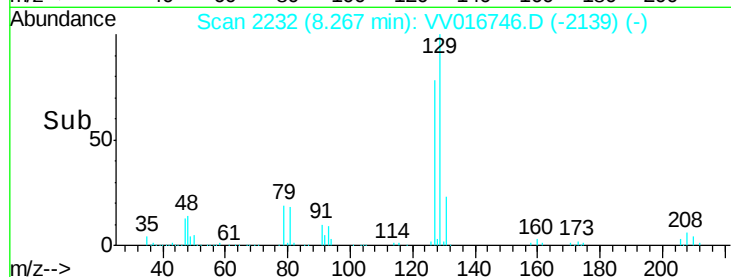
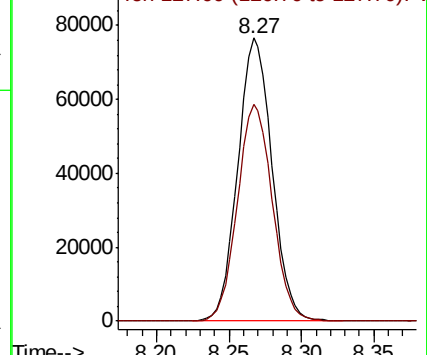
129 100

127 76.7 54.2 100.6



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#50

1,2-Dibromoethane

Concen: 48.921 ug/L

RT: 8.37 min Scan# 2265

Delta R.T. -0.00 min

Lab File: VV016746.D

Acq: 10 Jun 2020 02:44

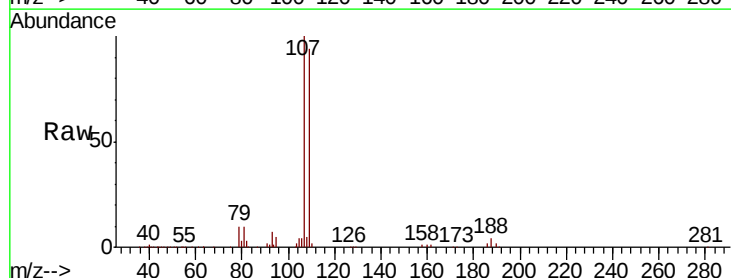
Tgt Ion:107 Resp: 123653

Ion Ratio Lower Upper

107 100

109 93.8 66.4 123.2

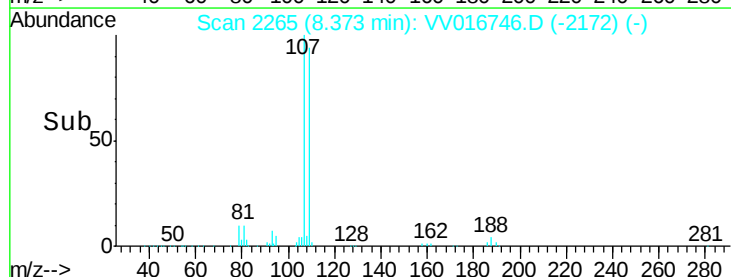
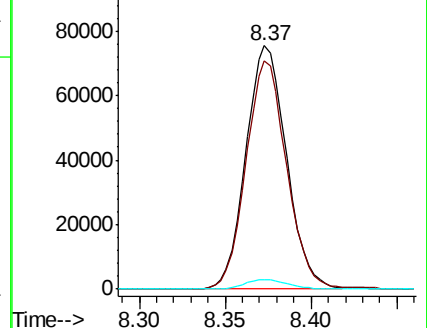
188 3.9 3.1 4.7

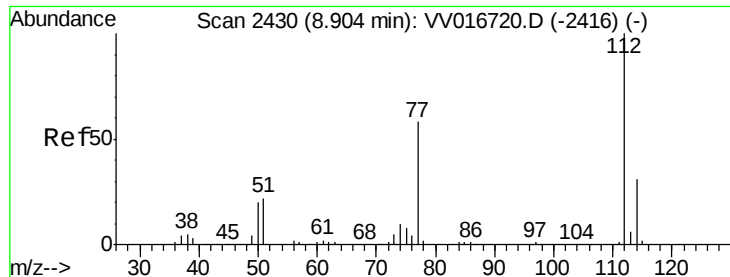


Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V





#51

Chlorobenzene

Concen: 48.342 ug/L

RT: 8.90 min Scan# 2430

Delta R.T. -0.00 min

Lab File: VV016746.D

Acq: 10 Jun 2020 02:44

Instrument :

MSVOA_V

ClientSampleId :

VSTD05077

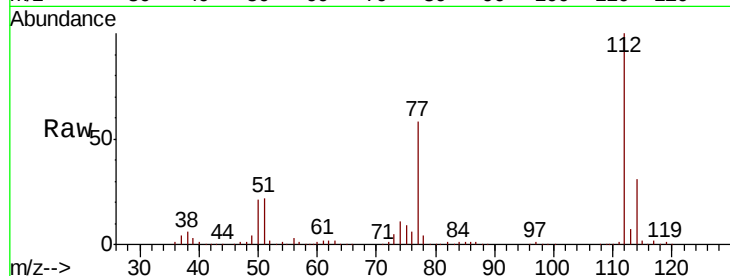
Tot Ion:112 Resp: 319861

Ion Ratio Lower Upper

112 100

114 31.4 22.3 41.3

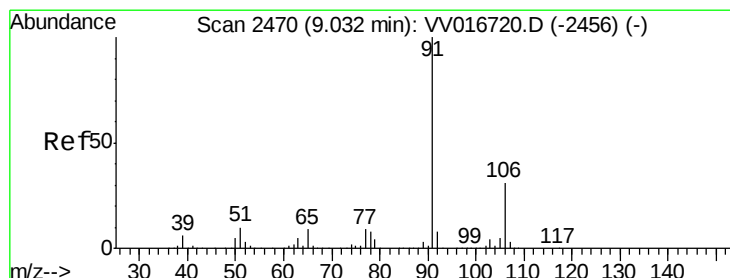
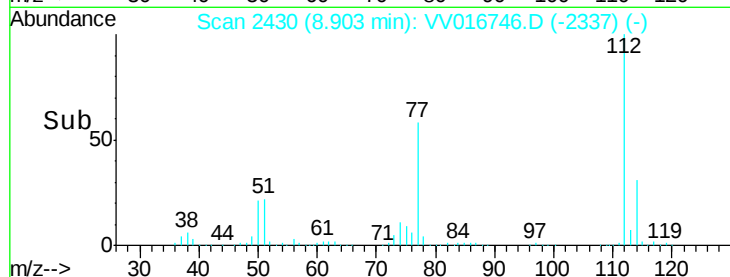
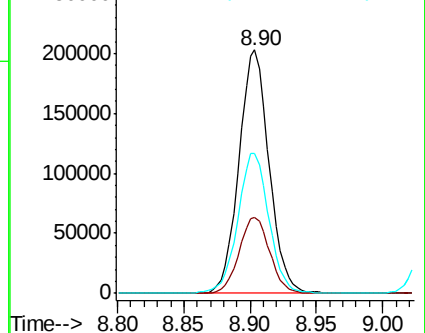
77 57.6 47.9 71.9



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): V



#52

Ethylbenzene

Concen: 48.792 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. -0.00 min

Lab File: VV016746.D

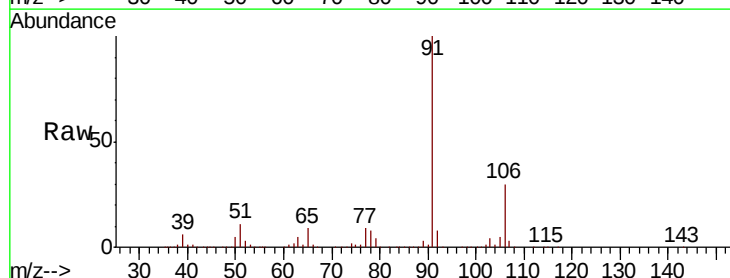
Acq: 10 Jun 2020 02:44

Tgt Ion: 91 Resp: 548083

Ion Ratio Lower Upper

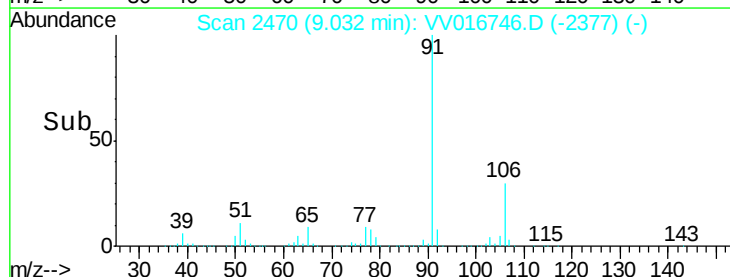
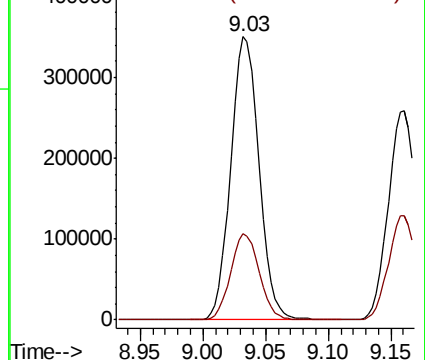
91 100

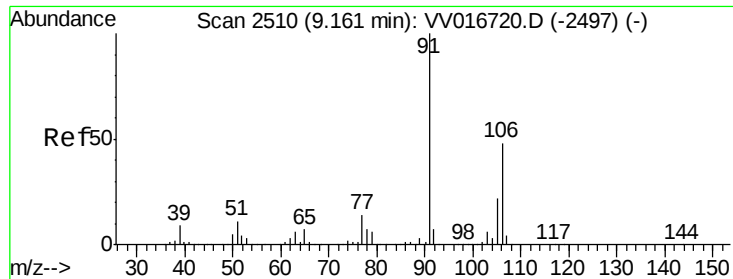
106 30.4 21.1 39.1



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 106.00 (105.70 to 106.70): V





#53

m,p-Xylene

Concen: 49.668 ug/L

RT: 9.16 min Scan# 2510

Delta R.T. -0.00 min

Lab File: VV016746.D

Acq: 10 Jun 2020 02:44

Instrument :

MSVOA_V

ClientSampleId :

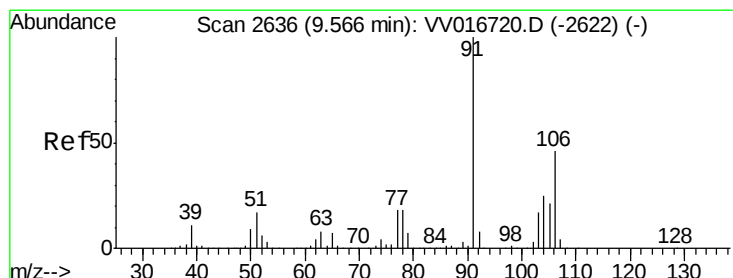
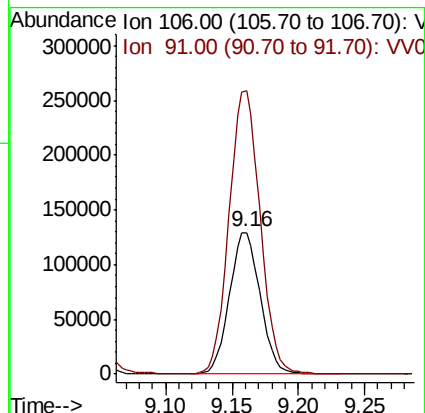
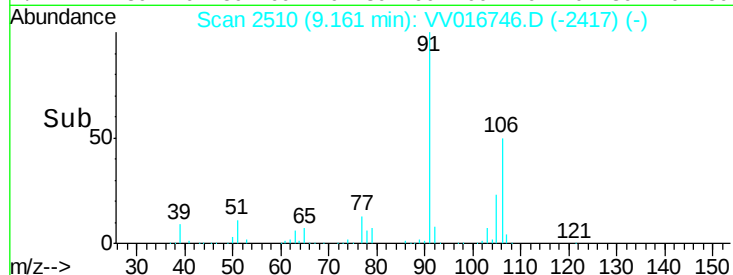
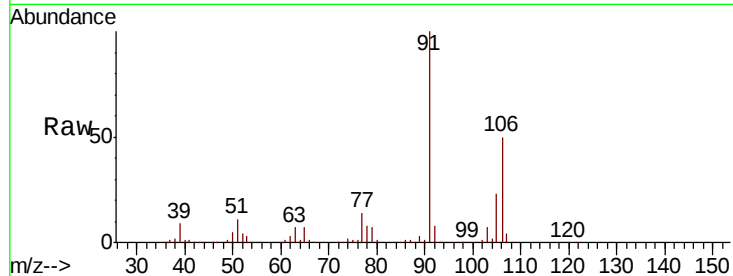
VSTD05077

Tot Ion:106 Resp: 207733

Ion Ratio Lower Upper

106 100

91 199.5 144.6 268.6



#54

o-xylene

Concen: 49.440 ug/L

RT: 9.57 min Scan# 2636

Delta R.T. -0.00 min

Lab File: VV016746.D

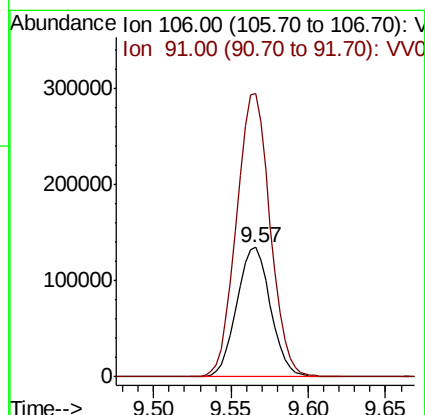
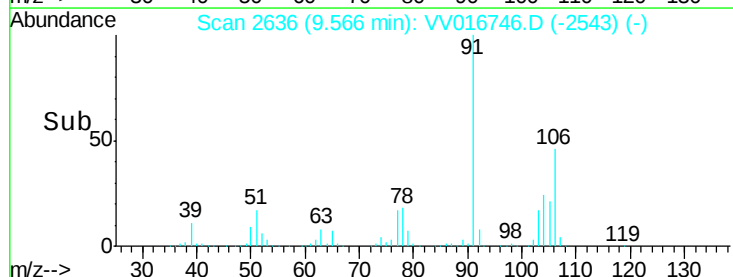
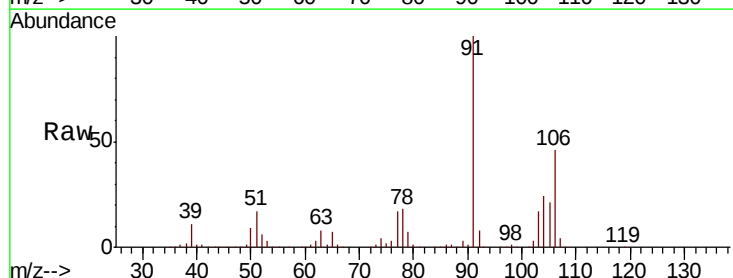
Acq: 10 Jun 2020 02:44

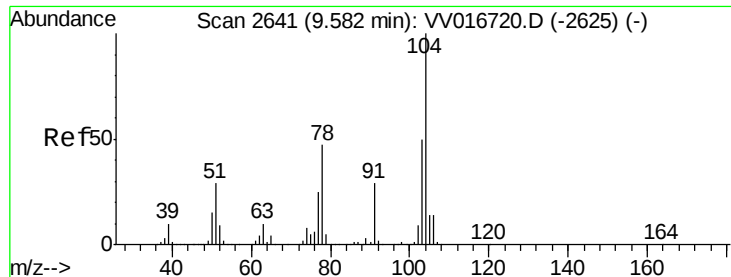
Tgt Ion:106 Resp: 203936

Ion Ratio Lower Upper

106 100

91 219.1 155.9 289.5





#55

Stvrene

Concen: 49.876 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. -0.00 min

Lab File: VV016746.D

Acq: 10 Jun 2020 02:44

Instrument :

MSVOA_V

ClientSampleId :

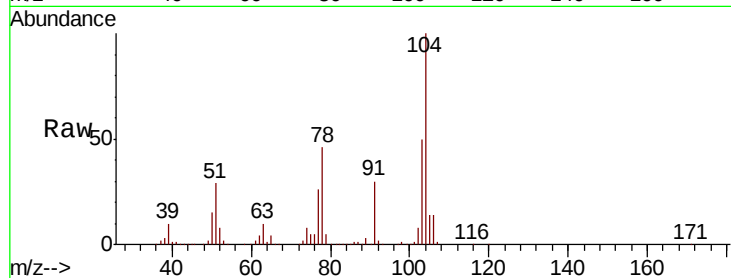
VSTD05077

Tot Ion:104 Resp: 347832

Ion Ratio Lower Upper

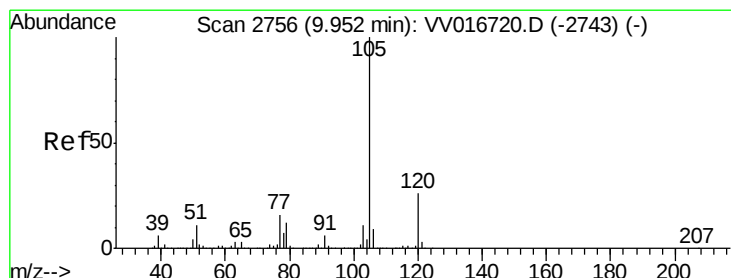
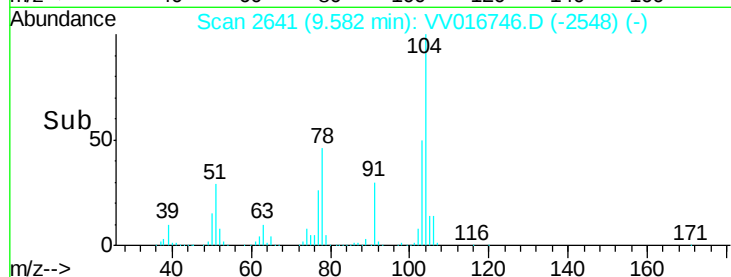
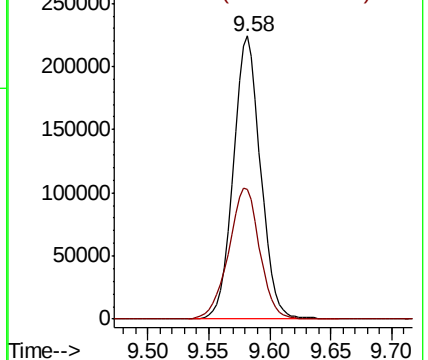
104 100

78 46.1 32.6 60.6



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0



#56

Isopropylbenzene

Concen: 49.049 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VV016746.D

Acq: 10 Jun 2020 02:44

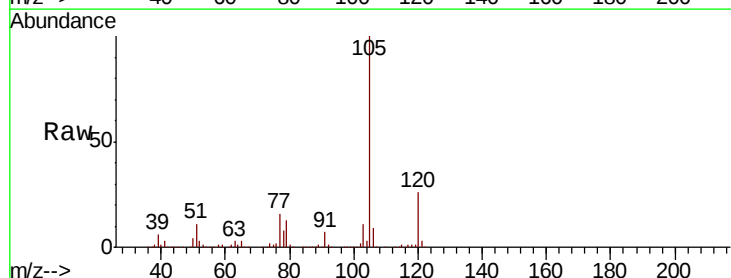
Tgt Ion:105 Resp: 543641

Ion Ratio Lower Upper

105 100

120 26.5 21.2 31.8

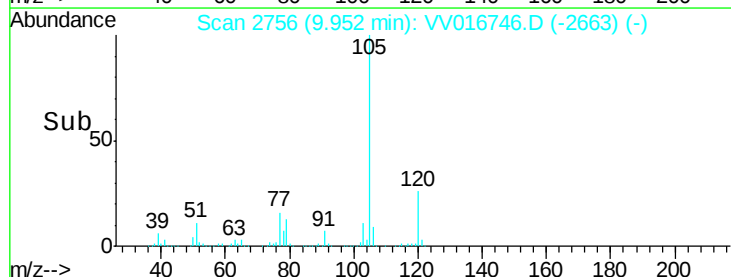
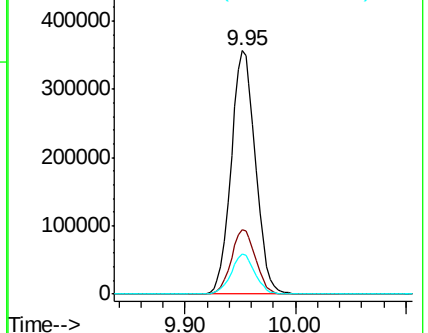
77 16.2 13.0 19.4

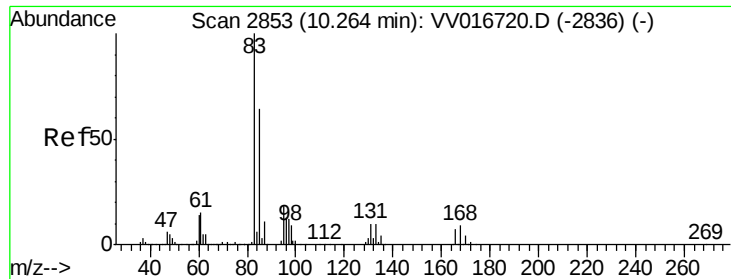


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): VV0





#58

1,1,2,2-Tetrachloroethane

Concen: 49.551 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. -0.00 min

Lab File: VV016746.D

Acq: 10 Jun 2020 02:44

Instrument :

MSVOA_V

ClientSampleId :

VSTD05077

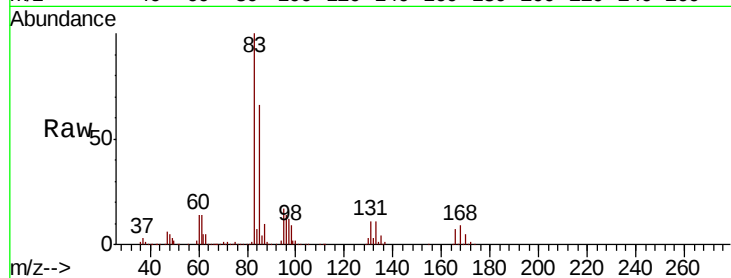
Tot Ion: 83 Resp: 183375

Ion Ratio Lower Upper

83 100

85 65.9 46.8 86.8

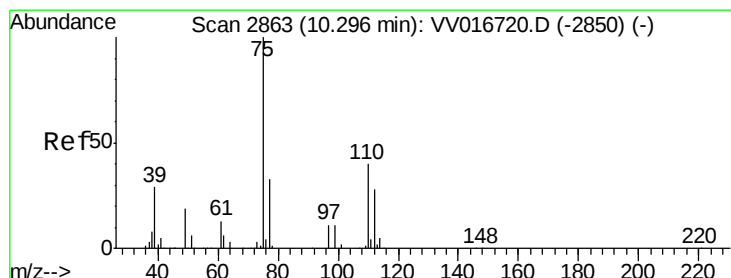
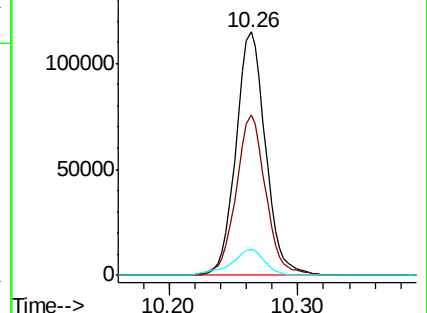
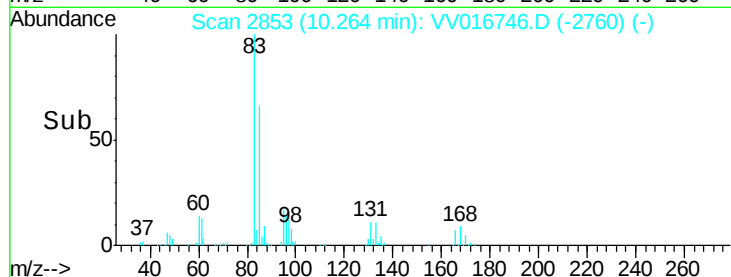
131 10.9 7.9 11.9



Abundance Ion 83.00 (82.70 to 83.70): VV016746.D (-2760) (-)

Ion 85.00 (84.70 to 85.70): VV016746.D (-2760) (-)

Ion 131.00 (130.70 to 131.70): VV016746.D (-2760) (-)



#59

1,2,3-Trichloropropane

Concen: 49.349 ug/L

RT: 10.30 min Scan# 2863

Delta R.T. -0.00 min

Lab File: VV016746.D

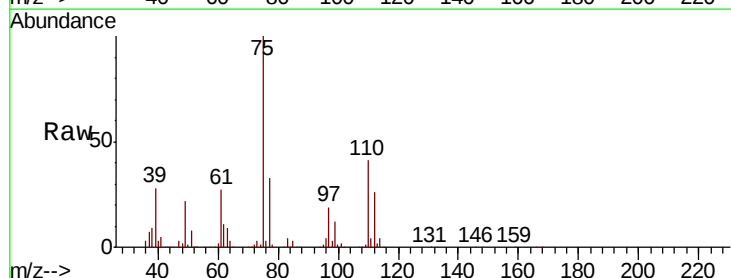
Acq: 10 Jun 2020 02:44

Tgt Ion: 75 Resp: 153182

Ion Ratio Lower Upper

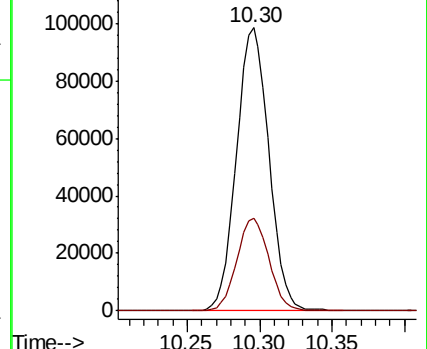
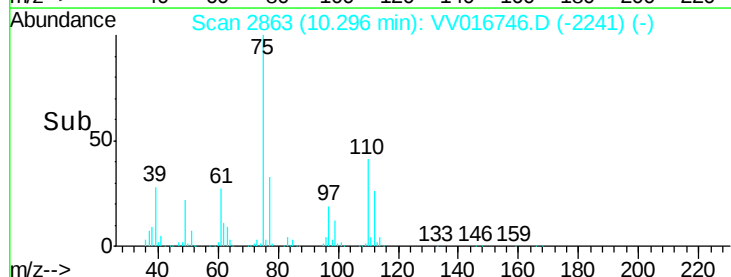
75 100

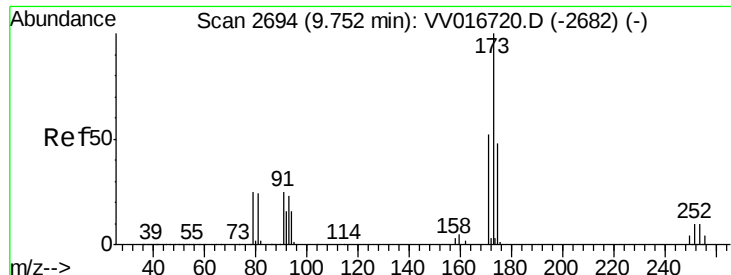
77 32.4 26.1 39.1



Abundance Ion 75.00 (74.70 to 75.70): VV016746.D (-2241) (-)

Ion 77.00 (76.70 to 77.70): VV016746.D (-2241) (-)





#61

Bromoform

Concen: 47.379 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. -0.00 min

Lab File: VV016746.D

Acq: 10 Jun 2020 02:44

Instrument :

MSVOA_V

ClientSampleId :

VSTD05077

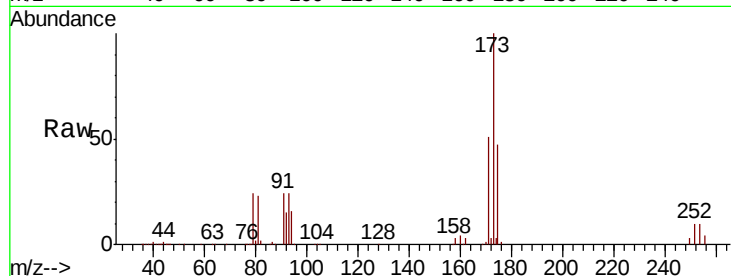
Tot Ion:173 Resp: 85117

Ion Ratio Lower Upper

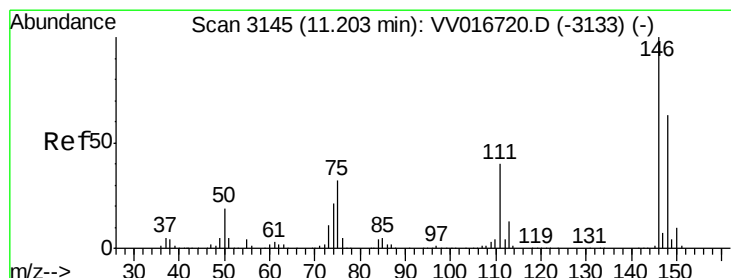
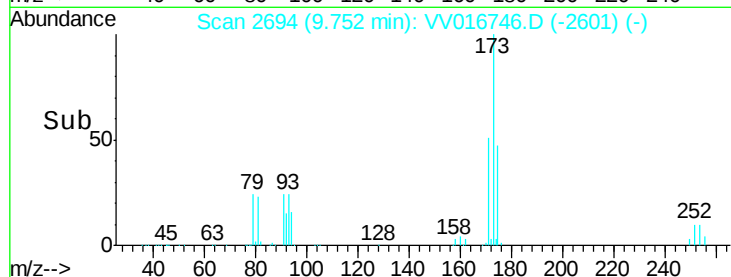
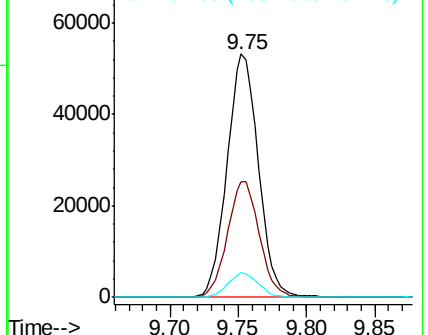
173 100

175 48.2 39.0 58.4

254 9.7 7.6 11.4



Abundance Ion 173.00 (172.70 to 173.70): V
Ion 175.00 (174.70 to 175.70): V
Ion 254.00 (253.70 to 254.70): V



#62

1,3-Dichlorobenzene

Concen: 46.882 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. -0.00 min

Lab File: VV016746.D

Acq: 10 Jun 2020 02:44

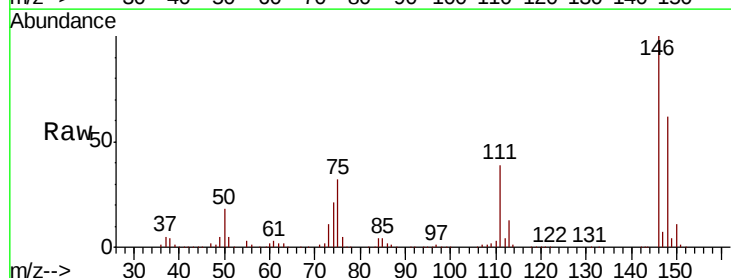
Tgt Ion:146 Resp: 259354

Ion Ratio Lower Upper

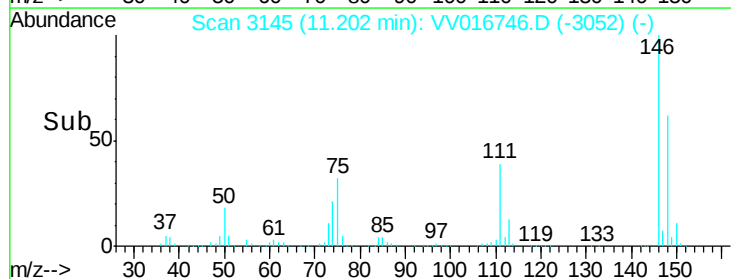
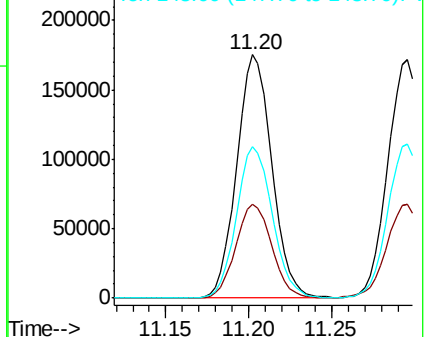
146 100

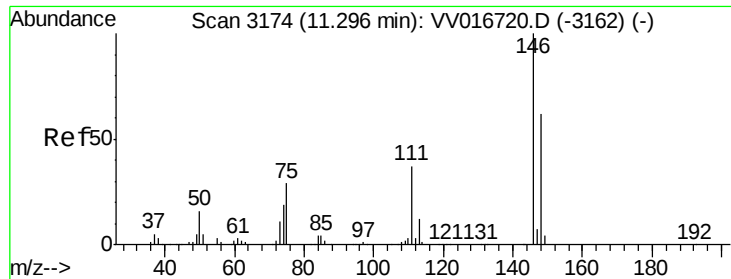
111 38.6 28.3 52.7

148 62.4 44.2 82.2



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





#63

1,4-Dichlorobenzene

Concen: 46.329 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. -0.00 min

Lab File: VV016746.D

Acq: 10 Jun 2020 02:44

Instrument :

MSVOA_V

ClientSampleId :

VSTD05077

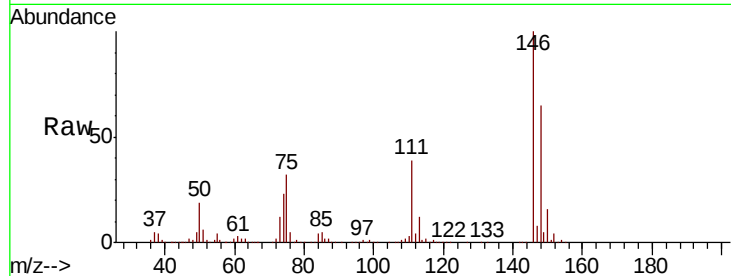
Tot Ion:146 Resp: 260770

Ion Ratio Lower Upper

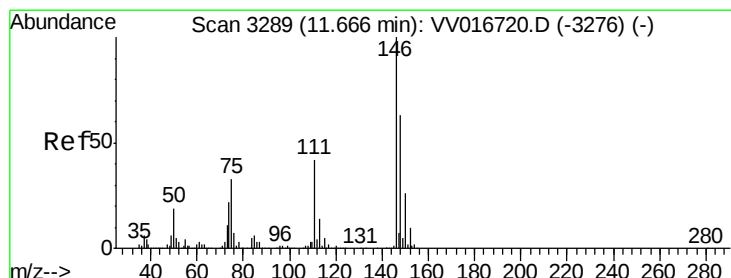
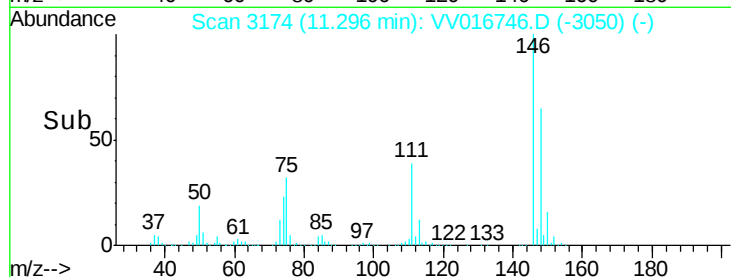
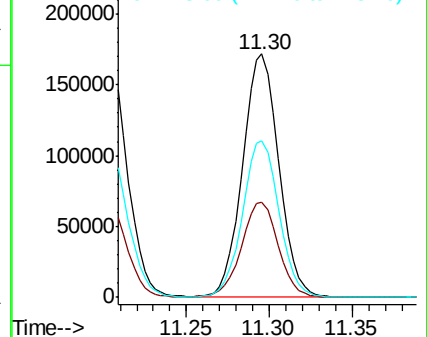
146 100

111 39.2 26.7 49.7

148 64.6 43.5 80.9



Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V



#65

1,2-Dichlorobenzene

Concen: 48.692 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. -0.00 min

Lab File: VV016746.D

Acq: 10 Jun 2020 02:44

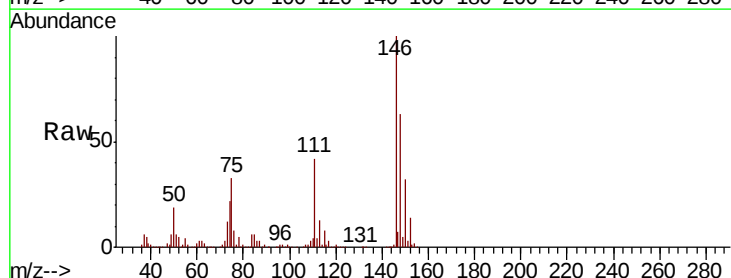
Tgt Ion:146 Resp: 269941

Ion Ratio Lower Upper

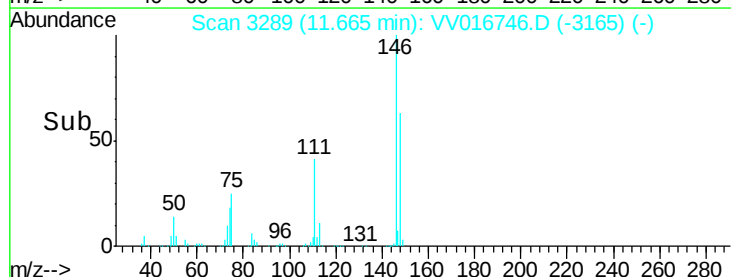
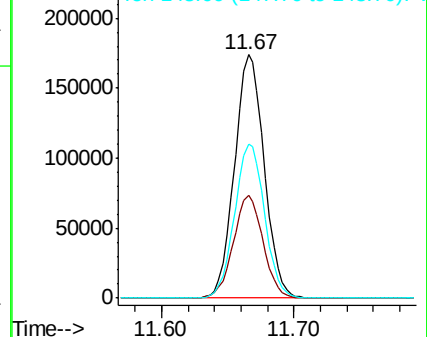
146 100

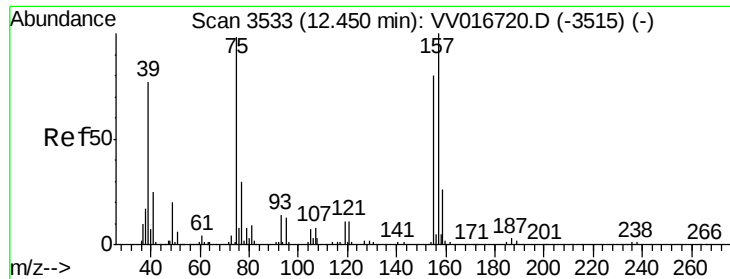
111 42.1 33.7 50.5

148 63.3 50.7 76.1



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

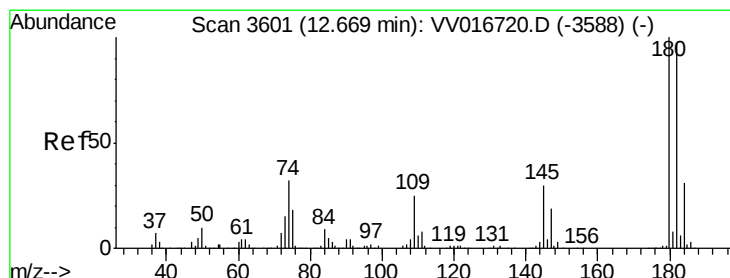
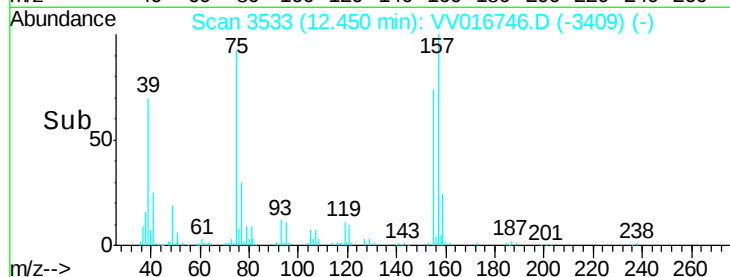
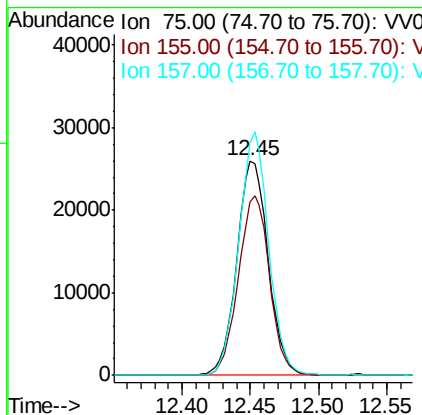
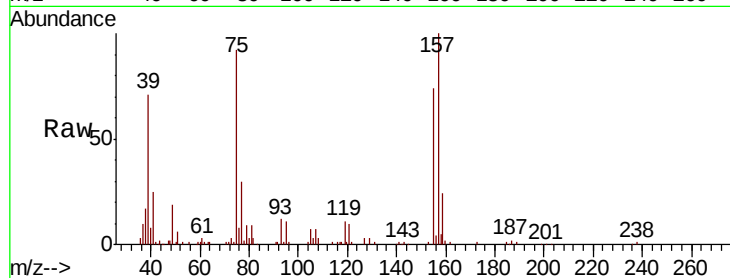




#66
 1,2-Dibromo-3-chloropropane
 Concen: 47.586 ug/L
 RT: 12.45 min Scan# 3533
 Delta R.T. -0.00 min
 Lab File: VV016746.D
 Acq: 10 Jun 2020 02:44

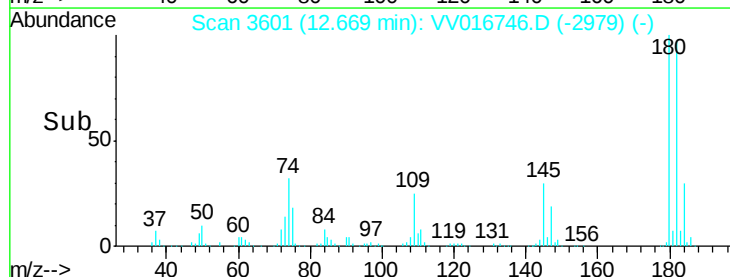
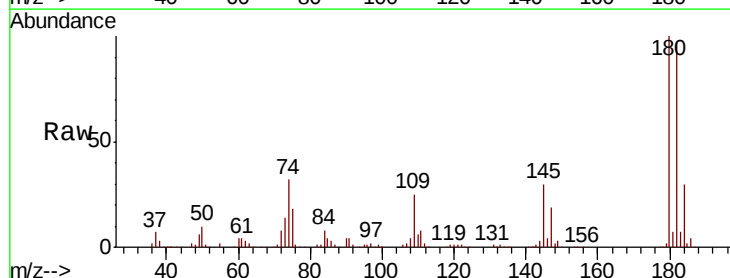
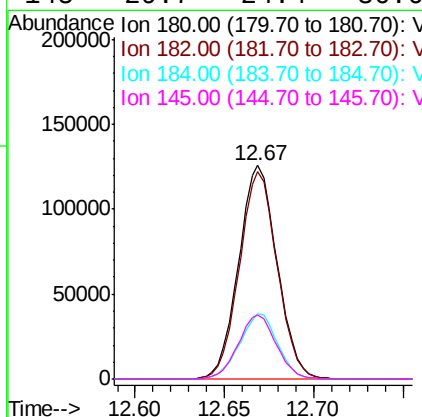
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05077

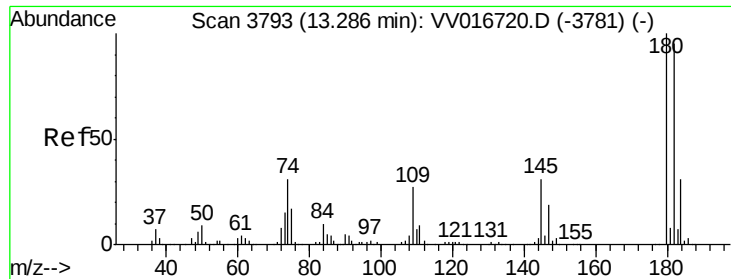
Tot Ion: 75 Resp: 41482
 Ion Ratio Lower Upper
 75 100
 155 80.6 69.8 104.6
 157 108.6 83.4 125.2



#67
 1,3,5-Trichlorobenzene
 Concen: 45.912 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. -0.00 min
 Lab File: VV016746.D
 Acq: 10 Jun 2020 02:44

Tgt Ion: 180 Resp: 189396
 Ion Ratio Lower Upper
 180 100
 182 95.7 75.0 112.6
 184 30.4 24.5 36.7
 145 29.7 24.4 36.6

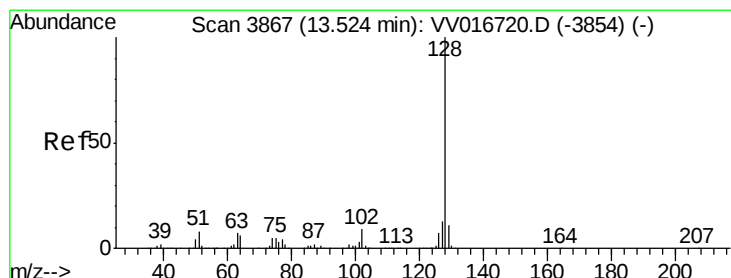
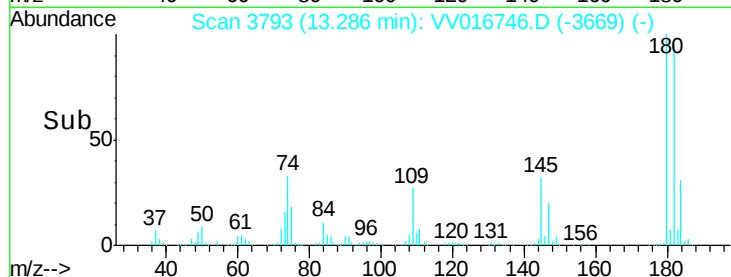
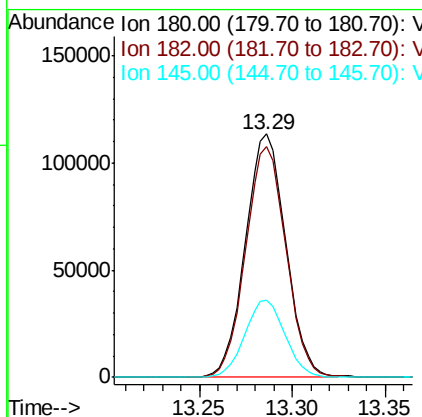
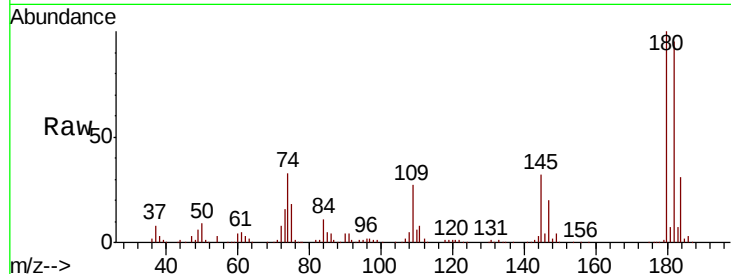




#68
 1,2,4-trichlorobenzene
 Concen: 45.386 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. -0.00 min
 Lab File: VV016746.D
 Acq: 10 Jun 2020 02:44

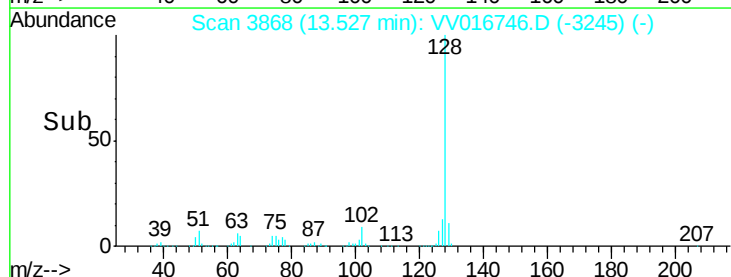
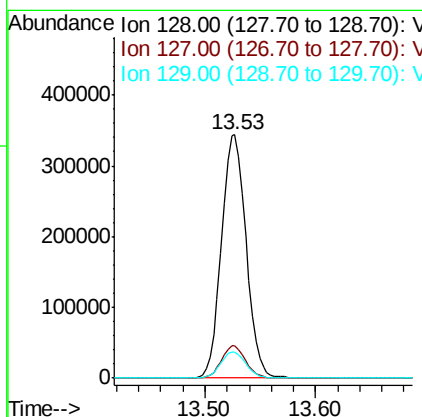
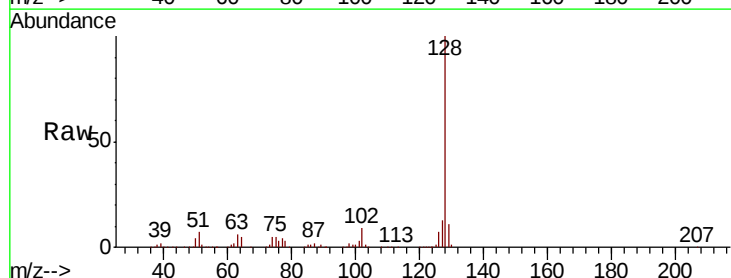
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05077

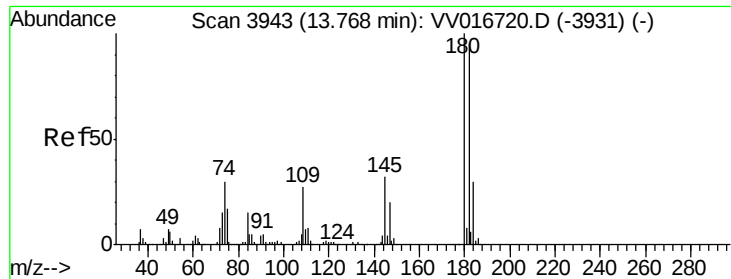
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.8	76.9	115.3
145	31.7	25.2	37.8



#69
 Naphthalene
 Concen: 49.040 ug/L
 RT: 13.53 min Scan# 3868
 Delta R.T. 0.00 min
 Lab File: VV016746.D
 Acq: 10 Jun 2020 02:44

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.5	15.7
129	10.9	8.7	13.1





#70

1,2,3-Trichlorobenzene

Concen: 47.065 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. -0.00 min

Lab File: VV016746.D

Acq: 10 Jun 2020 02:44

Instrument :

MSVOA_V

ClientSampleId :

VSTD05077

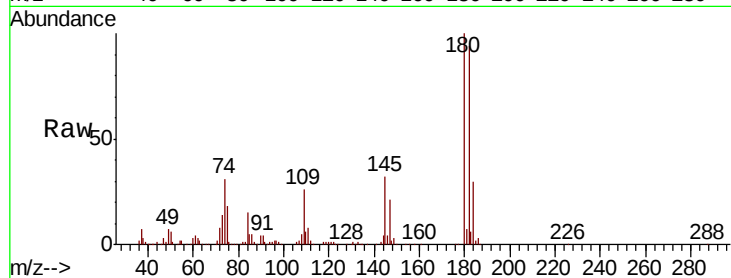
Tot Ion:180 Resp: 174245

Ion Ratio Lower Upper

180 100

182 94.2 76.5 114.7

145 32.6 26.1 39.1



Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

