

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV122220\
 Data File : VV019788.D
 Acq On : 22 Dec 2020 09:53
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05069

Quant Time: Dec 23 00:59:32 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM121020WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Dec 22 00:24:34 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.62	114	726805	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.86	117	690628	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.25	152	338702	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	195038	37.42	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	74.84%
7) Chloroethane-d5	1.57	69	169427	41.22	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	82.44%
11) 1,1-Dichloroethene-d2	2.11	63	412722	42.67	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	85.34%
21) 2-Butanone-d5	3.88	46	344630	121.66	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	121.66%
24) Chloroform-d	4.35	84	430557	45.84	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.68%
26) 1,2-Dichloroethane-d4	5.03	65	286220	46.63	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.26%
32) Benzene-d6	5.05	84	806196	43.77	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.54%
36) 1,2-Dichloropropane-d6	6.07	67	266523	46.19	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	92.38%
41) Toluene-d8	7.32	98	720075	43.42	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	86.84%
43) trans-1,3-Dichloropropene-	7.62	79	132492	40.37	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	80.74%
47) 2-Hexanone-d5	8.09	63	233730	103.21	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	103.21%
57) 1,1,2,2-Tetrachloroethane-	10.22	84	363425	46.57	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	93.14%
64) 1,2-Dichlorobenzene-d4	11.63	152	276741	43.71	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.42%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.13	85	258451	44.063	ug/L 99
3) Chloromethane	1.24	50	281732	45.189	ug/L 99
5) Vinyl chloride	1.31	62	282782	45.219	ug/L 100
6) Bromomethane	1.52	94	168724	44.927	ug/L 99
8) Chloroethane	1.59	64	174023	46.135	ug/L 100
9) Trichlorofluoromethane	1.75	101	361751	47.347	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	211418	50.106	ug/L 97
13) Acetone	2.18	43	274930	113.924	ug/L 98
14) Carbon disulfide	2.30	76	575275	40.435	ug/L 99
15) Methyl Acetate	2.43	43	269235	51.206	ug/L 99
16) Methylene chloride	2.51	84	240246	47.324	ug/L 98
17) trans-1,2-Dichloroethene	2.76	96	214708	45.241	ug/L 98
18) Methyl tert-butyl Ether	2.77	73	751186	45.298	ug/L 99
19) 1,1-Dichloroethane	3.19	63	441132	47.945	ug/L 99
20) cis-1,2-Dichloroethene	3.91	96	238885	45.789	ug/L # 94
22) 2-Butanone	3.97	43	388022	109.613	ug/L 100
23) Bromochloromethane	4.25	128	117483	45.768	ug/L 94

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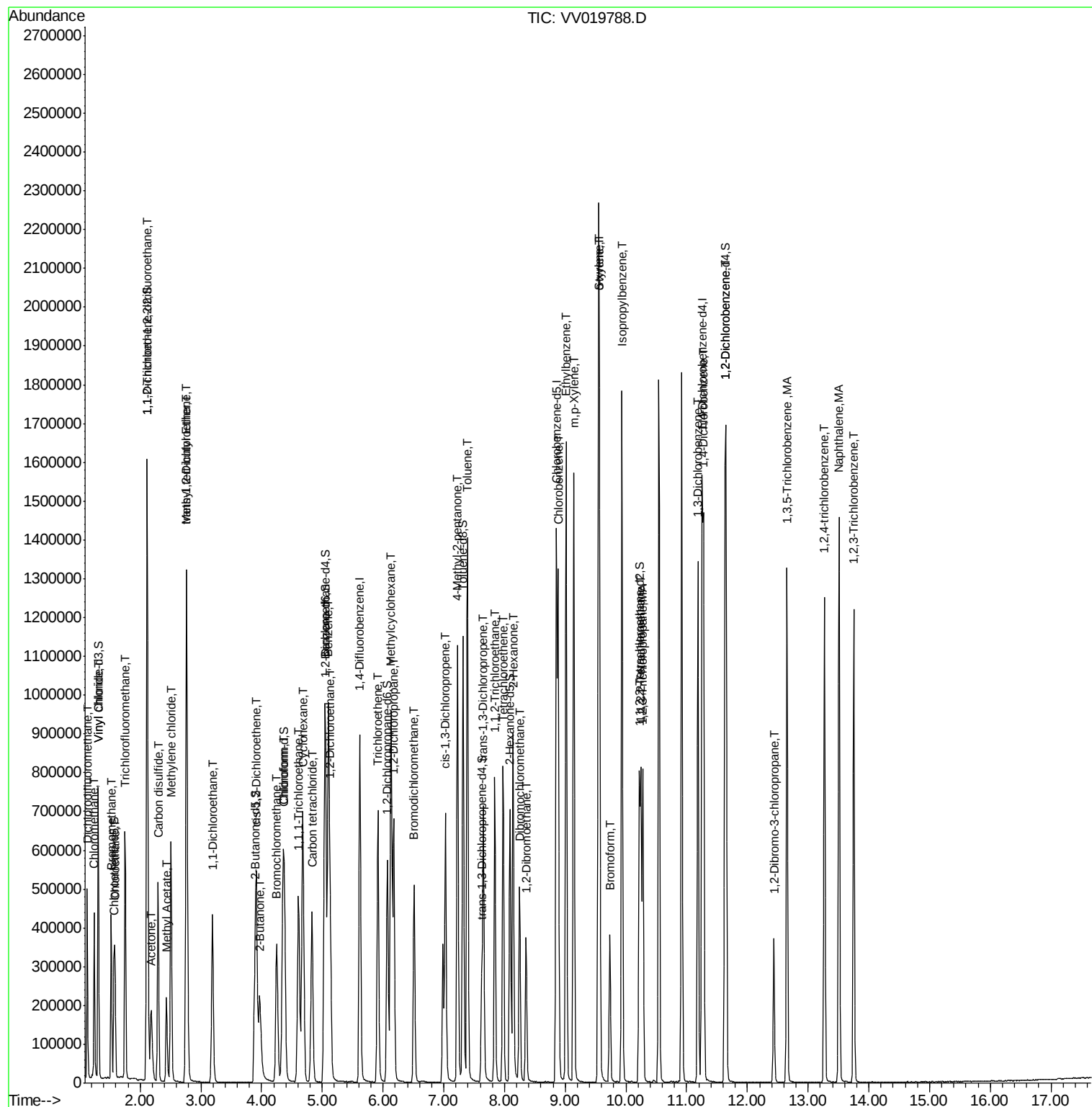
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Chloroform	4.38	83	435421	47.384	ug/L	100
27) 1,2-Dichloroethane	5.13	62	355925	46.754	ug/L	99
29) Cyclohexane	4.68	56	386602	45.674	ug/L	98
30) 1,1,1-Trichloroethane	4.61	97	387734	44.775	ug/L	99
31) Carbon tetrachloride	4.83	117	321922	44.037	ug/L	99
33) Benzene	5.10	78	932225	46.186	ug/L	100
34) Trichloroethene	5.92	95	244211	45.802	ug/L	99
35) Methylcyclohexane	6.13	83	388948	48.018	ug/L	99
37) 1,2-Dichloropropane	6.17	63	254765	48.333	ug/L	100
38) Bromodichloromethane	6.51	83	333673	45.270	ug/L	99
39) cis-1,3-Dichloropropene	7.03	75	389262	44.464	ug/L	99
40) 4-Methyl-2-pentanone	7.23	43	735941	96.775	ug/L	98
42) Toluene	7.39	91	967216	45.466	ug/L	100
44) trans-1,3-Dichloropropene	7.65	75	386455	43.596	ug/L	99
45) 1,1,2-Trichloroethane	7.84	97	228906	45.731	ug/L	97
46) Tetrachloroethene	7.98	164	164377	44.554	ug/L	98
48) 2-Hexanone	8.14	43	577780	100.131	ug/L	96
49) Dibromochloromethane	8.25	129	242141	44.172	ug/L	100
50) 1,2-Dibromoethane	8.35	107	238343	45.217	ug/L	100
51) Chlorobenzene	8.88	112	623698	45.904	ug/L	99
52) Ethylbenzene	9.02	91	1114699	45.990	ug/L	100
53) m,p-Xylene	9.14	106	405326	44.763	ug/L	100
54) o-xylene	9.55	106	397949	44.837	ug/L	99
55) Styrene	9.56	104	706502	45.672	ug/L	100
56) Isopropylbenzene	9.94	105	1088956	46.054	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.25	83	368572	45.788	ug/L	99
59) 1,2,3-Trichloropropane	10.28	75	309723	47.240	ug/L	100
61) Bromoform	9.74	173	156248	41.692	ug/L	100
62) 1,3-Dichlorobenzene	11.19	146	475580	45.765	ug/L	99
63) 1,4-Dichlorobenzene	11.28	146	482215	45.826	ug/L	99
65) 1,2-Dichlorobenzene	11.65	146	477549	46.507	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.44	75	92325	43.073	ug/L	95
67) 1,3,5-Trichlorobenzene	12.65	180	355298	48.392	ug/L	99
68) 1,2,4-trichlorobenzene	13.27	180	326481	47.558	ug/L	99
69) Naphthalene	13.51	128	1040021	43.631	ug/L	100
70) 1,2,3-Trichlorobenzene	13.75	180	312120	46.525	ug/L	99

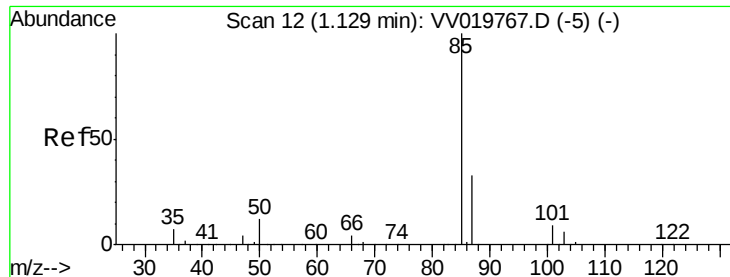
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 44.063 ug/L

RT: 1.13 min Scan# 12

Delta R.T. 0.00 min

Lab File: VV019788.D

Acq: 22 Dec 2020 09:53

Instrument :

MSVOA_V

ClientSampleId :

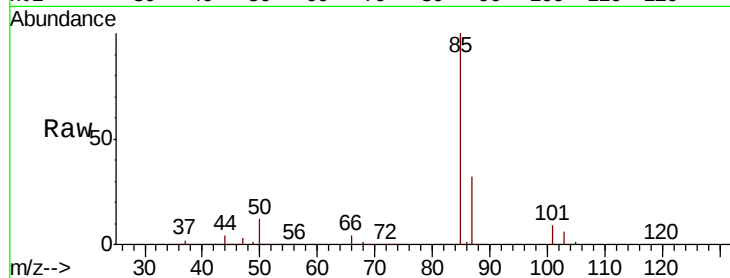
VSTD05069

Tot Ion: 85 Resp: 258451

Ion Ratio Lower Upper

85 100

87 32.4 25.7 38.5



Abundance Ion 85.00 (84.70 to 85.70): VV019767.D (-5) (-)

Ion 87.00 (86.70 to 87.70): VV019767.D (-5) (-)

1.13

250000

200000

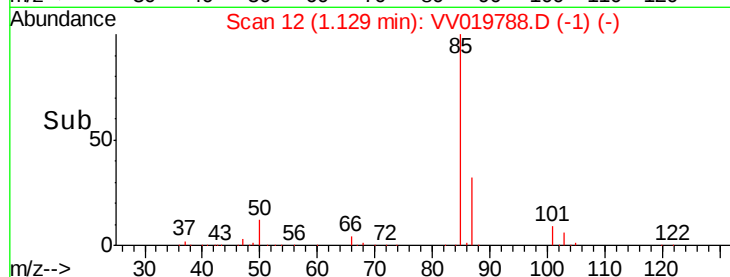
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100000

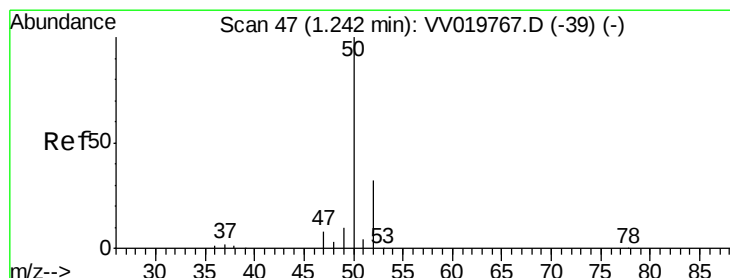
50000

0

Time-->



Time-->



#3

Chloromethane

Concen: 45.189 ug/L

RT: 1.24 min Scan# 47

Delta R.T. -0.00 min

Lab File: VV019788.D

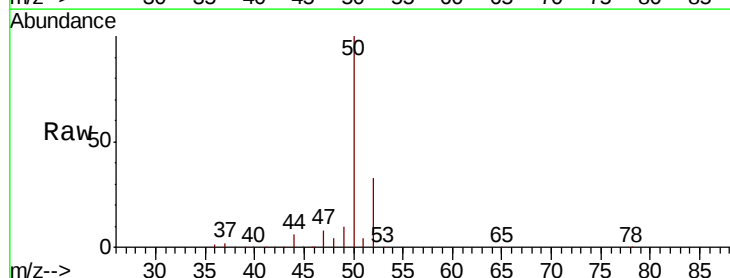
Acq: 22 Dec 2020 09:53

Tgt Ion: 50 Resp: 281732

Ion Ratio Lower Upper

50 100

52 32.6 23.2 43.0



Abundance Ion 50.00 (49.70 to 50.70): VV019767.D (-39) (-)

Ion 52.00 (51.70 to 52.70): VV019767.D (-39) (-)

1.24

250000

200000

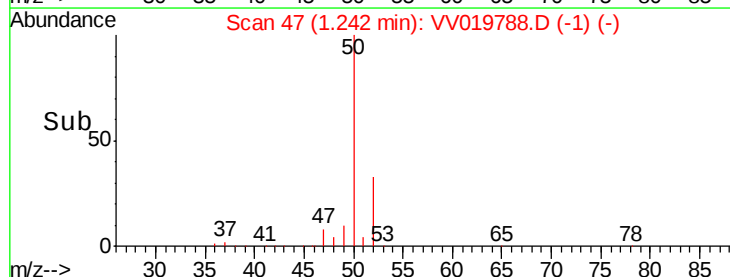
150000

100000

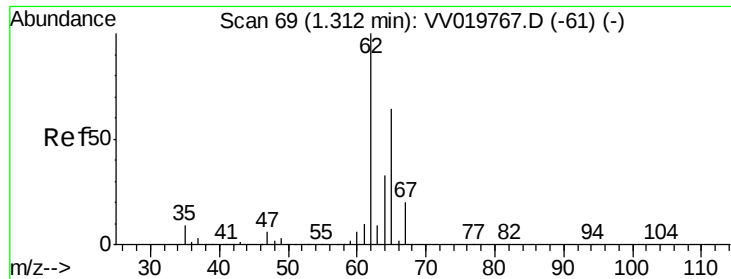
50000

0

Time-->



Time-->



#5

Vinyl chloride

Concen: 45.219 ug/L

RT: 1.31 min Scan# 69

Delta R.T. -0.00 min

Lab File: VV019788.D

Acq: 22 Dec 2020 09:53

Instrument :

MSVOA_V

ClientSampleId :

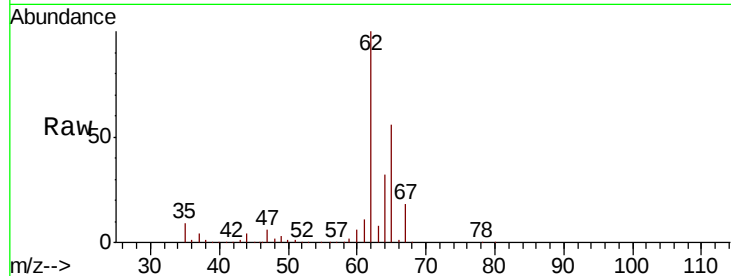
VSTD05069

Tot Ion: 62 Resp: 282782

Ion Ratio Lower Upper

62 100

64 32.1 22.5 41.7



Abundance Ion 62.00 (61.70 to 62.70): VV019767.D (-61) (-)

Ion 64.00 (63.70 to 64.70): VV019767.D (-61) (-)

1.31

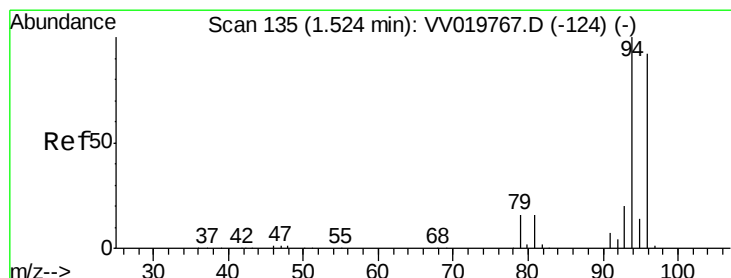
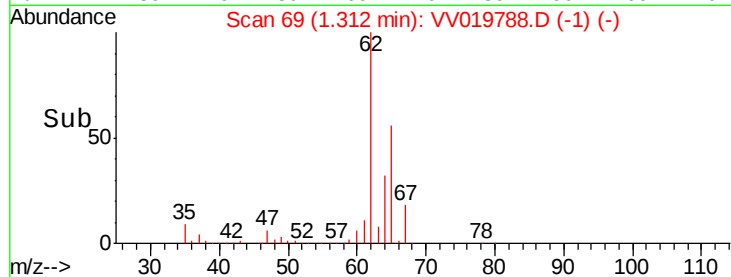
300000

200000

100000

0

Time-->



#6

Bromomethane

Concen: 44.927 ug/L

RT: 1.52 min Scan# 135

Delta R.T. 0.00 min

Lab File: VV019788.D

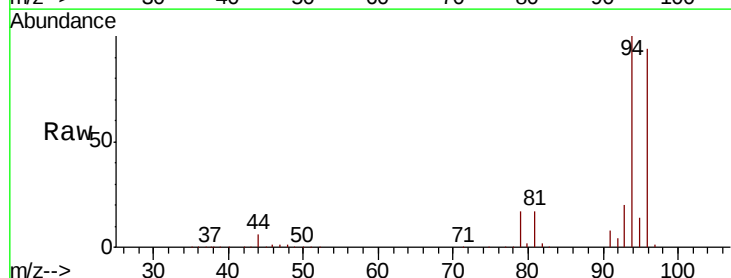
Acq: 22 Dec 2020 09:53

Tgt Ion: 94 Resp: 168724

Ion Ratio Lower Upper

94 100

96 94.0 65.2 121.2



Abundance Ion 94.00 (93.70 to 94.70): VV019767.D (-124) (-)

Ion 96.00 (95.70 to 96.70): VV019767.D (-124) (-)

1.52

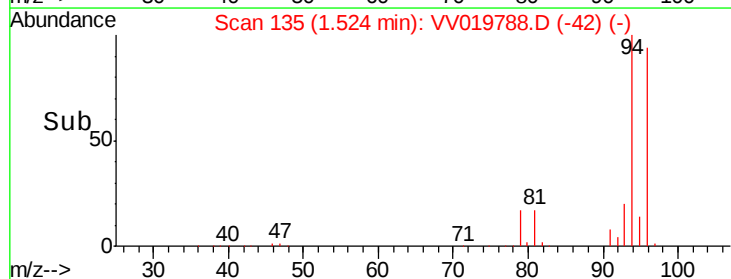
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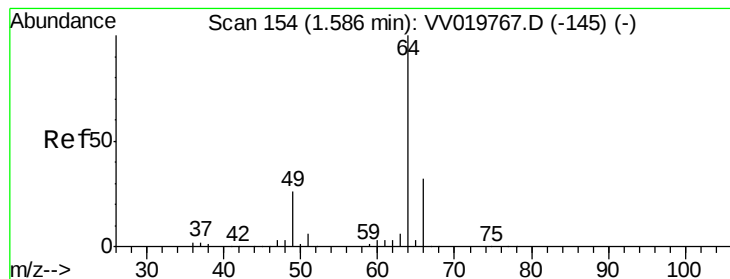
100000

50000

0

Time-->





#8

Chloroethane

Concen: 46.135 ug/L

RT: 1.59 min Scan# 154

Delta R.T. -0.00 min

Lab File: VV019788.D

Acq: 22 Dec 2020 09:53

Instrument :

MSVOA_V

ClientSampleId :

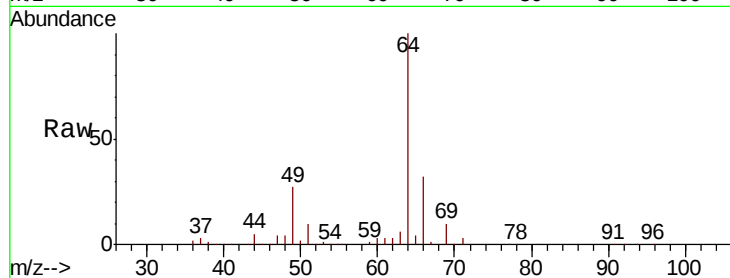
VSTD05069

Tot Ion: 64 Resp: 174023

Ion Ratio Lower Upper

64 100

66 31.9 22.5 41.7



Abundance Ion 64.00 (63.70 to 64.70): VV019767.D (-145) (-)

Ion 66.00 (65.70 to 66.70): VV019767.D (-145) (-)

1.59

150000

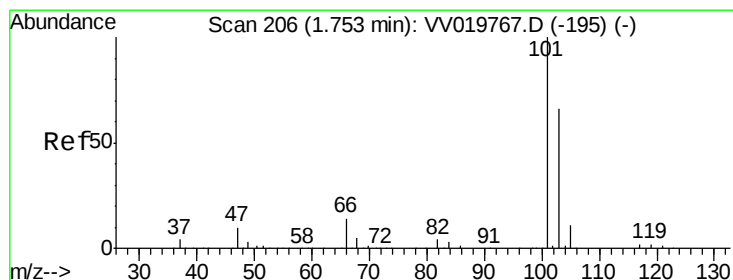
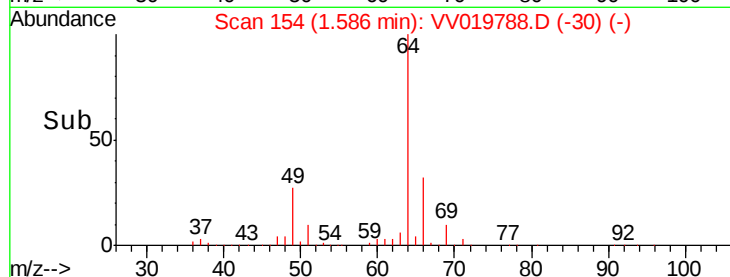
100000

50000

0

1.55 1.60 1.65

Time-->



#9

Trichlorofluoromethane

Concen: 47.347 ug/L

RT: 1.75 min Scan# 206

Delta R.T. -0.00 min

Lab File: VV019788.D

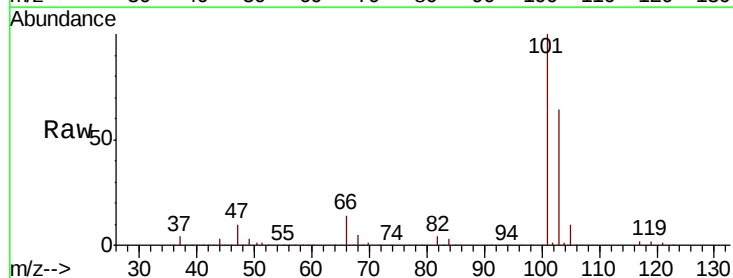
Acq: 22 Dec 2020 09:53

Tgt Ion:101 Resp: 361751

Ion Ratio Lower Upper

101 100

103 65.2 51.6 77.4



Abundance Ion 101.00 (100.70 to 101.70): VV019767.D (-195) (-)

Ion 103.00 (102.70 to 103.70): VV019767.D (-195) (-)

1.75

300000

250000

200000

150000

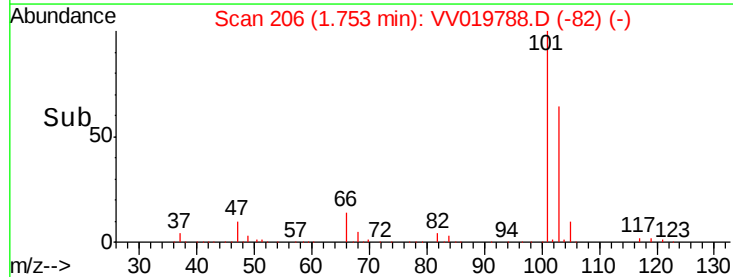
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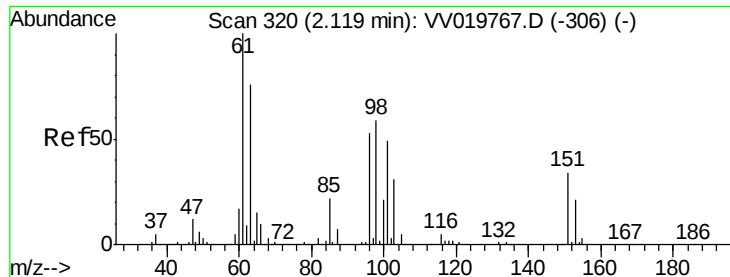
50000

0

1.70 1.75 1.80 1.85

Time-->





#10

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

Concen: 50.106 ug/L

RT: 2.12 min Scan# 320

Delta R.T. 0.00 min

Lab File: VV019788.D

Acq: 22 Dec 2020 09:53

Instrument :

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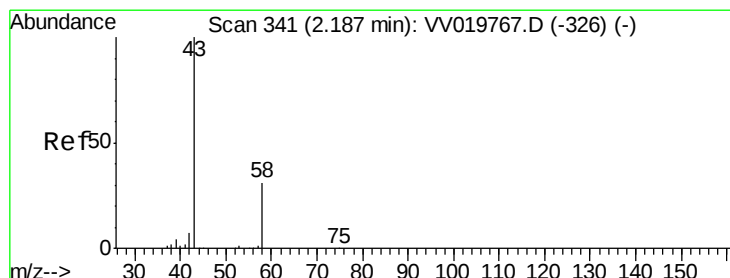
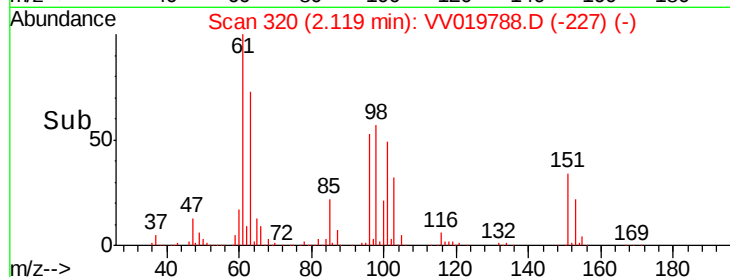
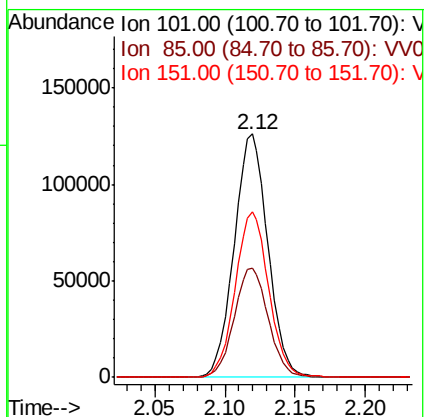
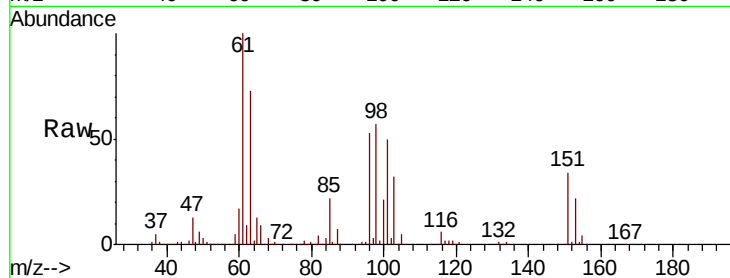
Tot Ion:101 Resp: 211418

Ion Ratio Lower Upper

101 100

85 45.2 35.0 52.4

151 67.5 55.8 83.8



#13

Acetone

Concen: 113.924 ug/L

RT: 2.18 min Scan# 339

Delta R.T. -0.01 min

Lab File: VV019788.D

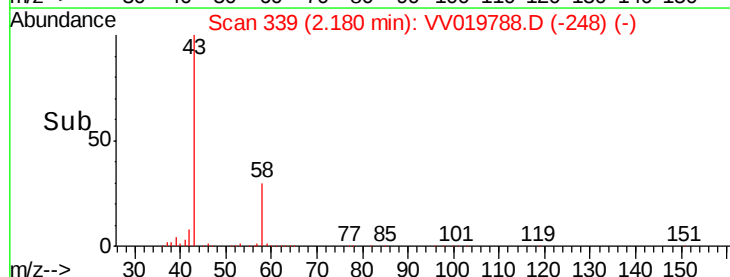
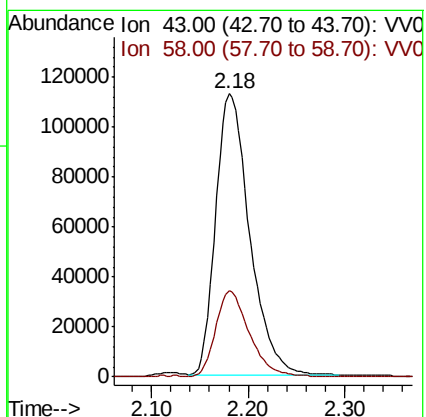
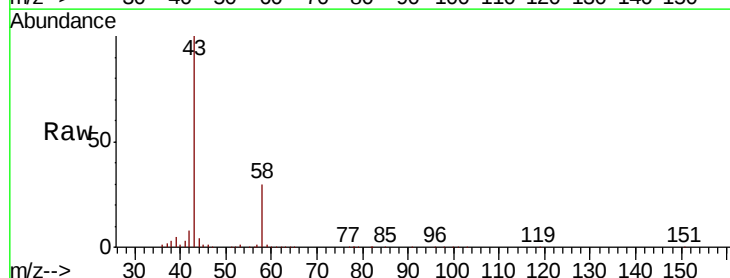
Acq: 22 Dec 2020 09:53

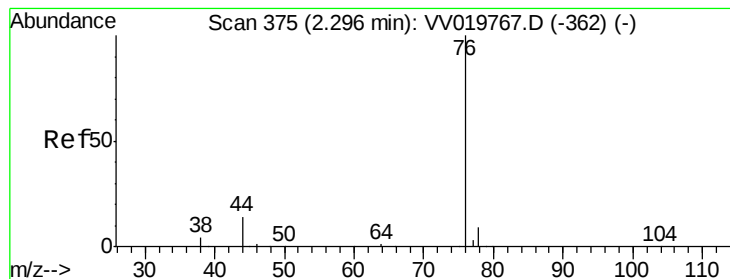
Tgt Ion: 43 Resp: 274930

Ion Ratio Lower Upper

43 100

58 29.9 0.0 61.6





#14

Carbon disulfide

Concen: 40.435 ug/L

RT: 2.30 min Scan# 375

Delta R.T. -0.00 min

Lab File: VV019788.D

Acq: 22 Dec 2020 09:53

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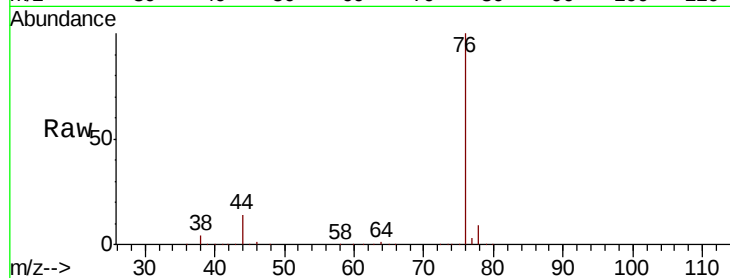
VSTD05069

Tot Ion: 76 Resp: 575275

Ion Ratio Lower Upper

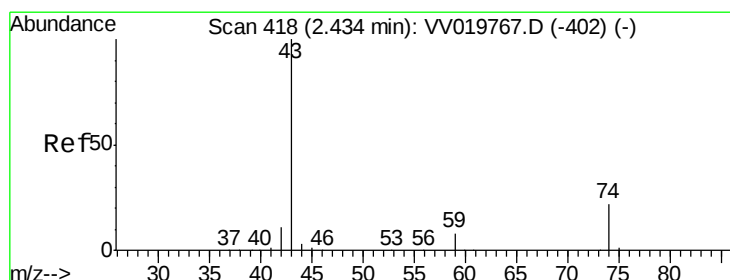
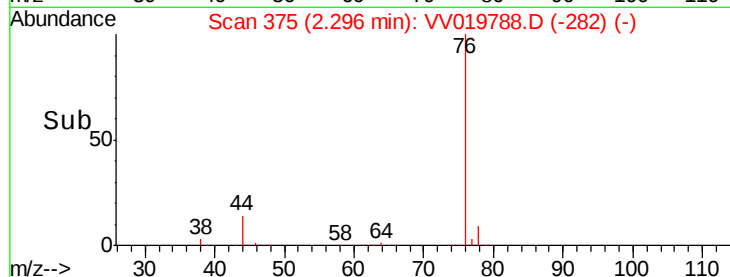
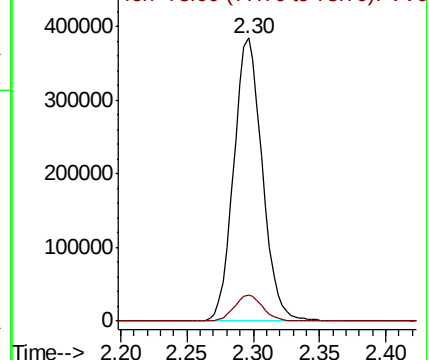
76 100

78 9.3 7.2 10.8



Abundance Ion 76.00 (75.70 to 76.70): VV0

Ion 78.00 (77.70 to 78.70): VV0



#15

Methyl Acetate

Concen: 51.206 ug/L

RT: 2.43 min Scan# 418

Delta R.T. 0.00 min

Lab File: VV019788.D

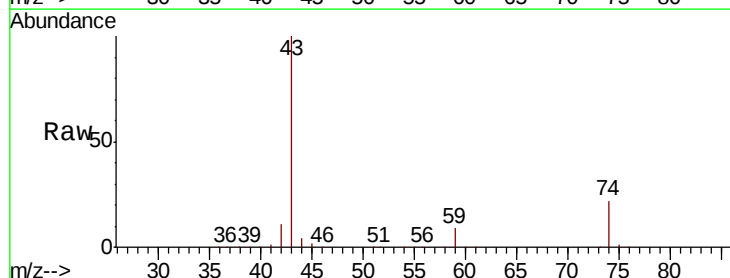
Acq: 22 Dec 2020 09:53

Tgt Ion: 43 Resp: 269235

Ion Ratio Lower Upper

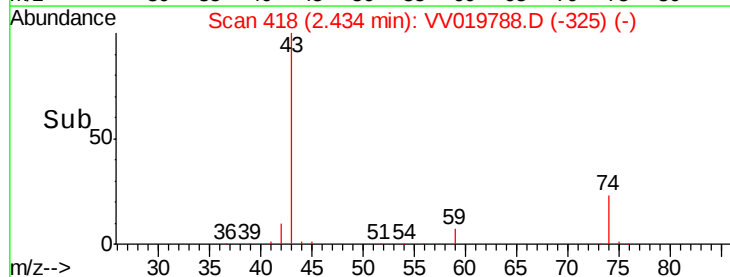
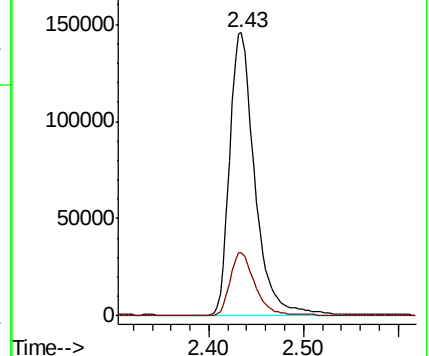
43 100

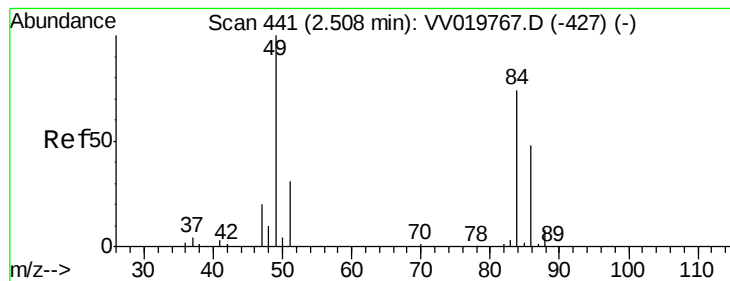
74 22.1 18.2 27.4



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 74.00 (73.70 to 74.70): VV0





#16

Methylene chloride

Concen: 47.324 ug/L

RT: 2.51 min Scan# 441

Delta R.T. 0.00 min

Lab File: VV019788.D

Acq: 22 Dec 2020 09:53

Instrument :

MSVOA_V

ClientSampleId :

VSTD05069

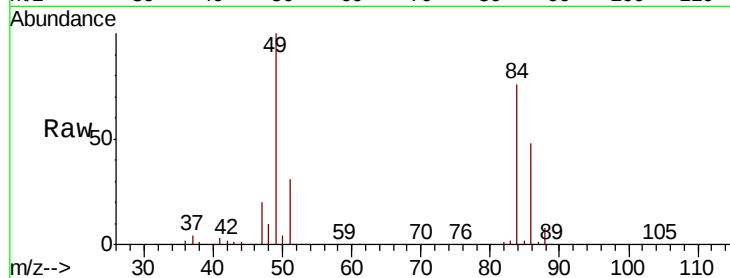
Tot Ion: 84 Resp: 240246

Ion Ratio Lower Upper

84 100

86 63.8 45.7 84.9

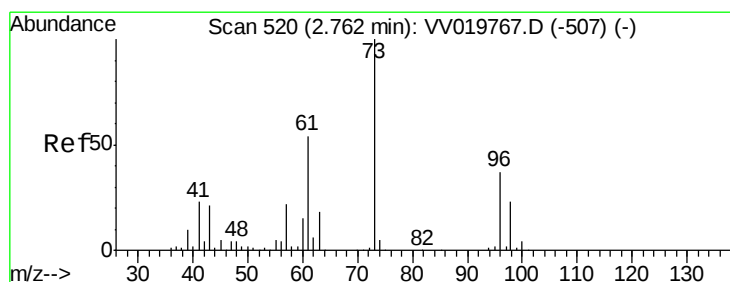
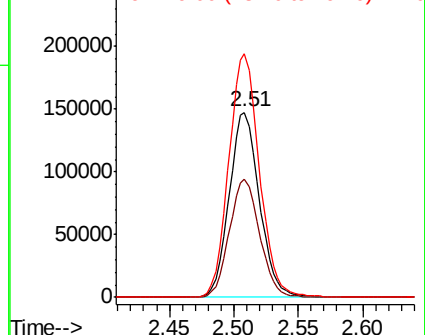
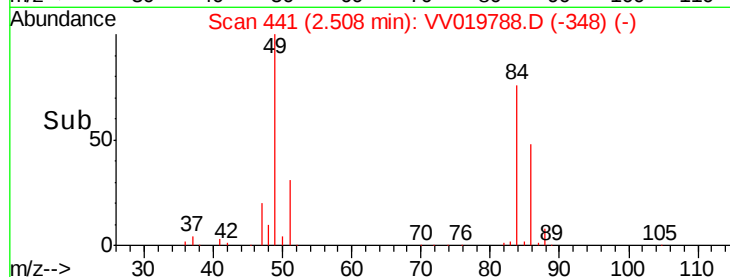
49 131.7 90.6 168.3



Abundance Ion 84.00 (83.70 to 84.70): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.00 (48.70 to 49.70): VV0



#17

trans-1,2-Dichloroethene

Concen: 45.241 ug/L

RT: 2.76 min Scan# 520

Delta R.T. 0.00 min

Lab File: VV019788.D

Acq: 22 Dec 2020 09:53

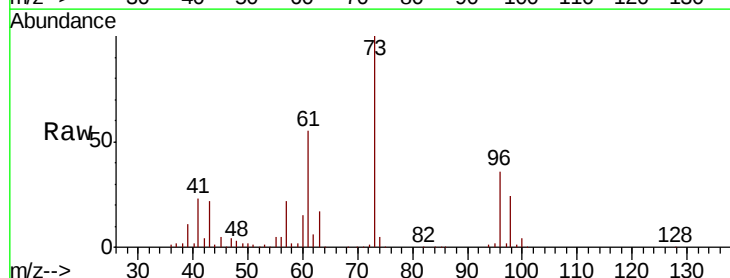
Tgt Ion: 96 Resp: 214708

Ion Ratio Lower Upper

96 100

61 150.9 103.5 192.1

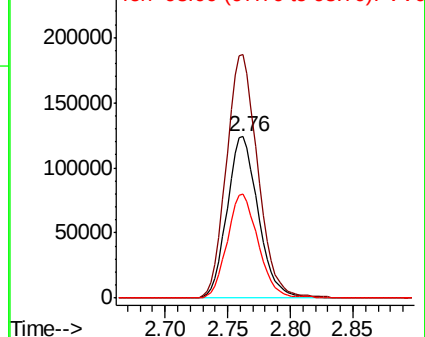
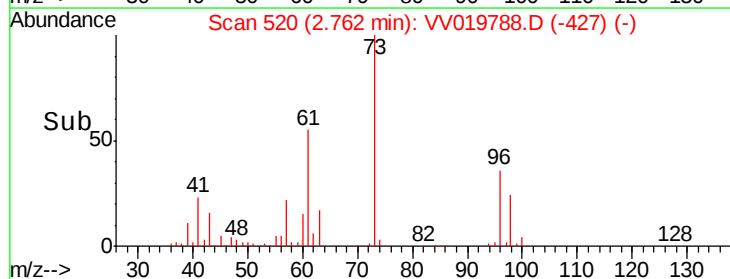
98 64.7 44.4 82.5

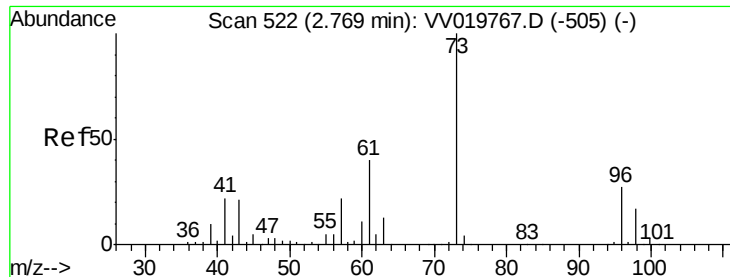


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

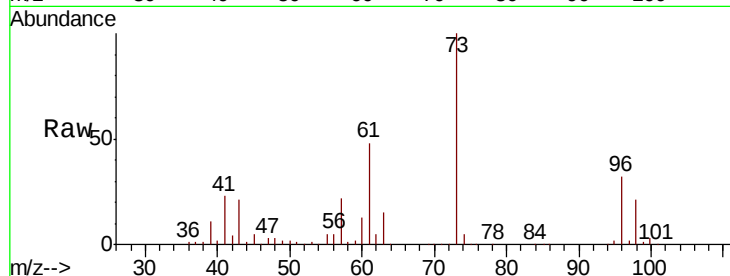




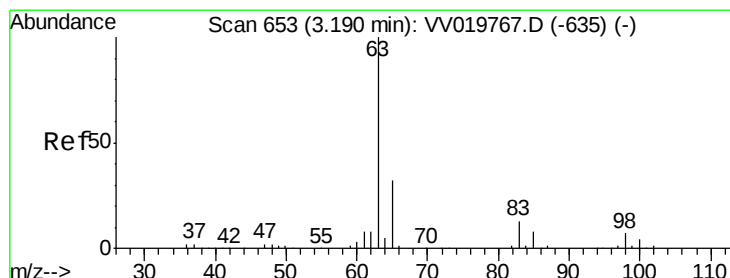
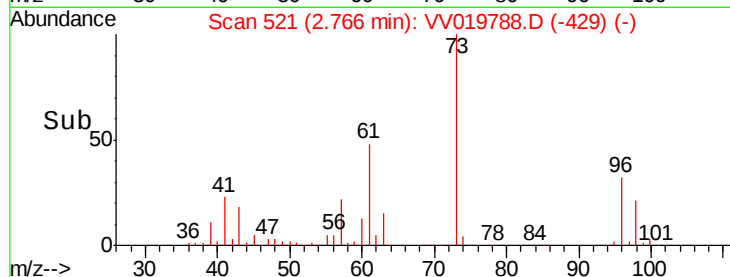
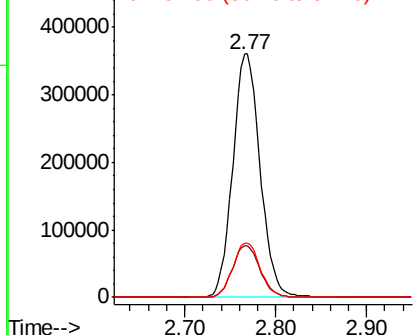
#18
Methvl tert-butvl Ether
Concen: 45.298 ug/L
RT: 2.77 min Scan# 521
Delta R.T. -0.00 min
Lab File: VV019788.D
Acq: 22 Dec 2020 09:53

Instrument :
MSVOA_V
ClientSampleId :
VSTD05069

Tot Ion: 73 Resp: 751186
Ion Ratio Lower Upper
73 100
43 21.4 17.3 25.9
57 22.5 17.5 26.3

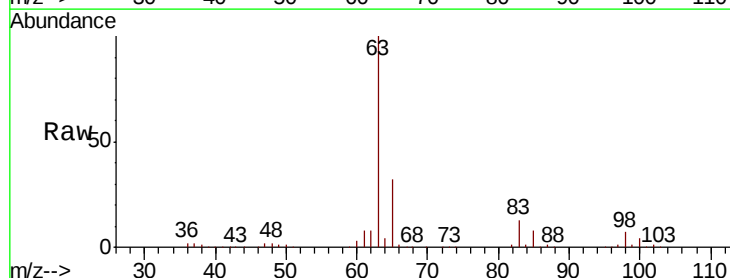


Abundance Ion 73.00 (72.70 to 73.70): VV0
Ion 43.00 (42.70 to 43.70): VV0
Ion 57.00 (56.70 to 57.70): VV0

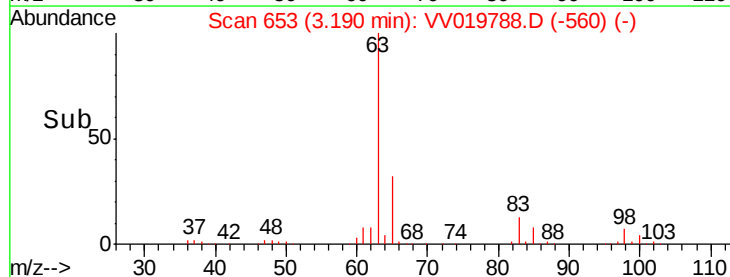
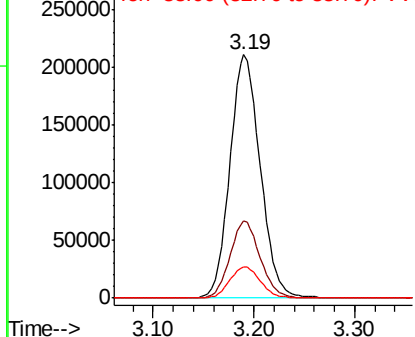


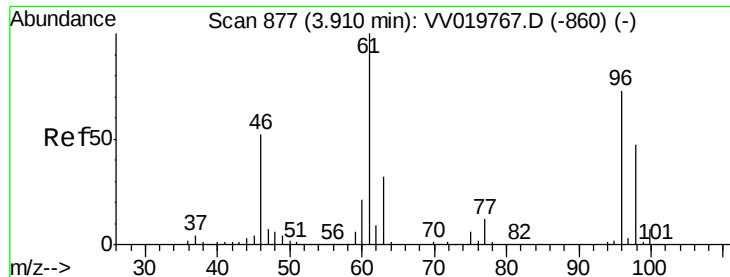
#19
1,1-Dichloroethane
Concen: 47.945 ug/L
RT: 3.19 min Scan# 653
Delta R.T. 0.00 min
Lab File: VV019788.D
Acq: 22 Dec 2020 09:53

Tgt Ion: 63 Resp: 441132
Ion Ratio Lower Upper
63 100
65 31.5 22.4 41.6
83 12.9 9.6 17.8



Abundance Ion 63.00 (62.70 to 63.70): VV0
Ion 65.00 (64.70 to 65.70): VV0
Ion 83.00 (82.70 to 83.70): VV0

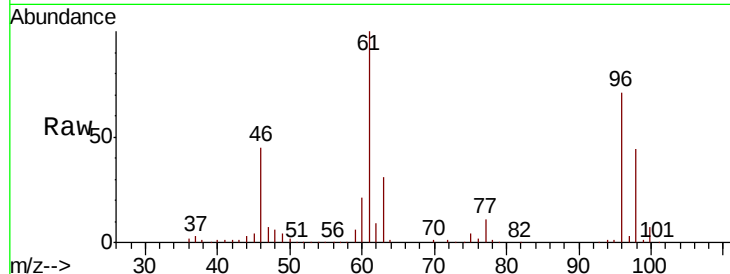




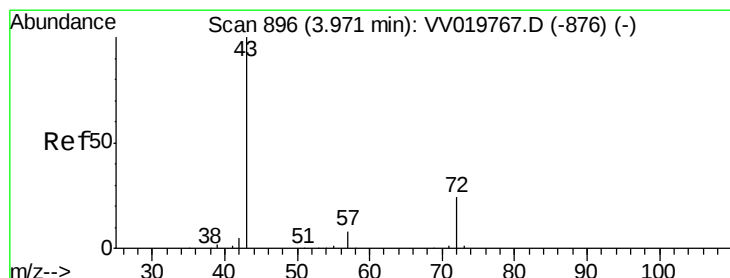
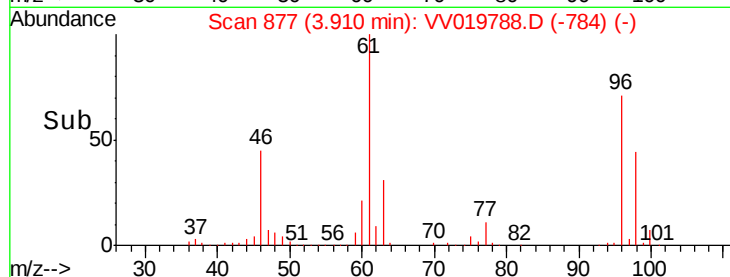
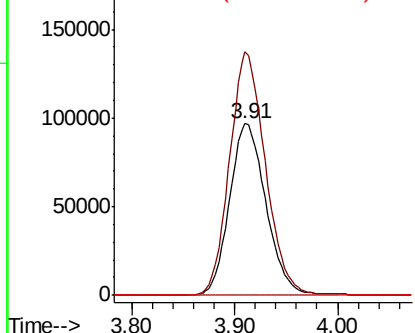
#20
 cis-1,2-Dichloroethene
 Concen: 45.789 ug/L
 RT: 3.91 min Scan# 877
 Delta R.T. -0.00 min
 Lab File: VV019788.D
 Acq: 22 Dec 2020 09:53

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05069

Tot Ion: 96 Resp: 23885
 Ion Ratio Lower Upper
 96 100
 61 141.8 94.1 174.8
 68 0.0 0.1 0.1#

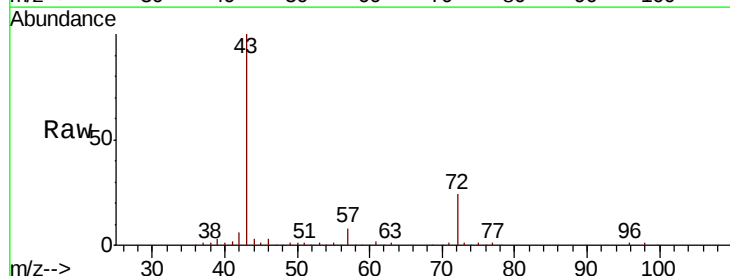


Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.00 (60.70 to 61.70): VV0
 Ion 68.00 (67.70 to 68.70): VV0

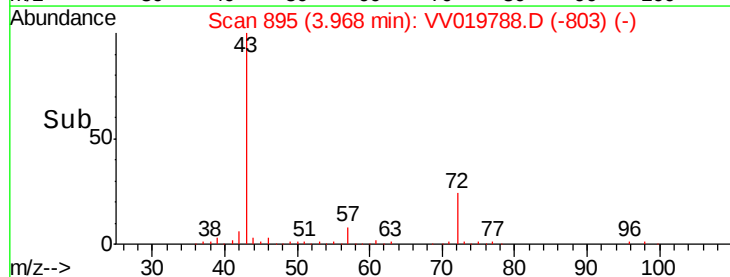
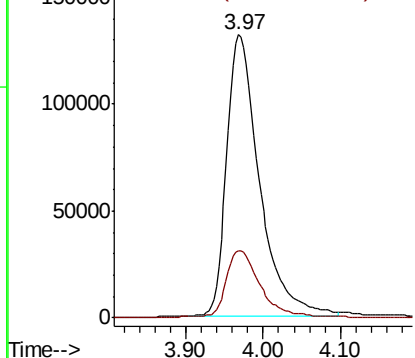


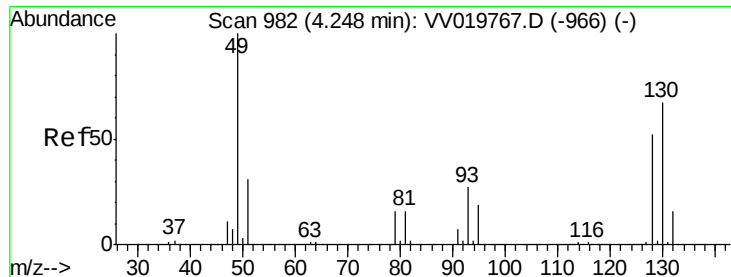
#22
 2-Butanone
 Concen: 109.613 ug/L
 RT: 3.97 min Scan# 895
 Delta R.T. -0.00 min
 Lab File: VV019788.D
 Acq: 22 Dec 2020 09:53

Tgt Ion: 43 Resp: 388022
 Ion Ratio Lower Upper
 43 100
 72 24.8 12.3 36.9



Abundance Ion 43.00 (42.70 to 43.70): VV0
 Ion 72.00 (71.70 to 72.70): VV0





#23

Bromochloromethane

Concen: 45.768 ug/L

RT: 4.25 min Scan# 982

Delta R.T. 0.00 min

Lab File: VV019788.D

Acq: 22 Dec 2020 09:53

Instrument :

MSVOA_V

ClientSampleId :

VSTD05069

Tot Ion:128 Resp: 117483

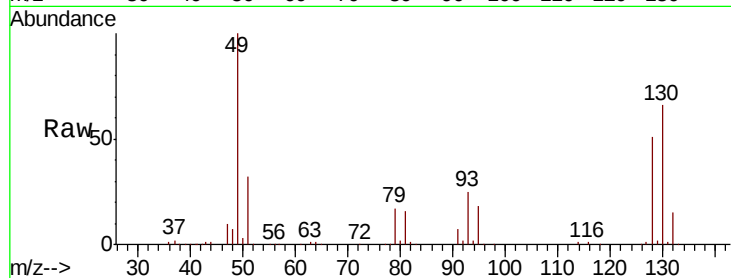
Ion Ratio Lower Upper

128 100

49 194.4 127.0 235.8

130 128.9 90.3 167.7

51 62.9 44.5 66.7

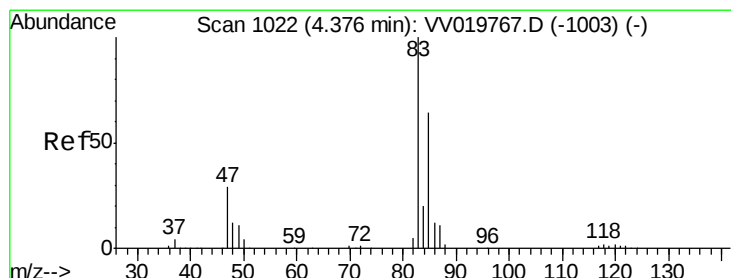
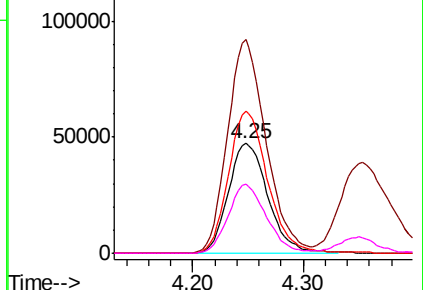
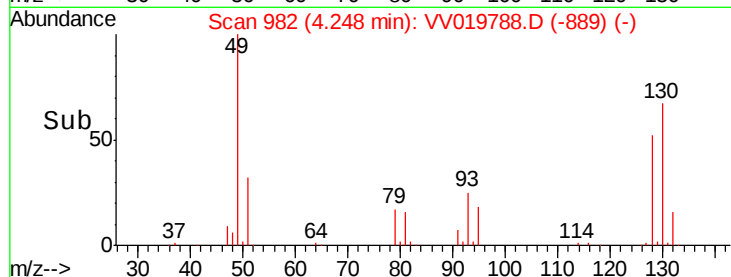


Abundance Ion 128.00 (127.70 to 128.70): V

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: 47.384 ug/L

RT: 4.38 min Scan# 1022

Delta R.T. 0.00 min

Lab File: VV019788.D

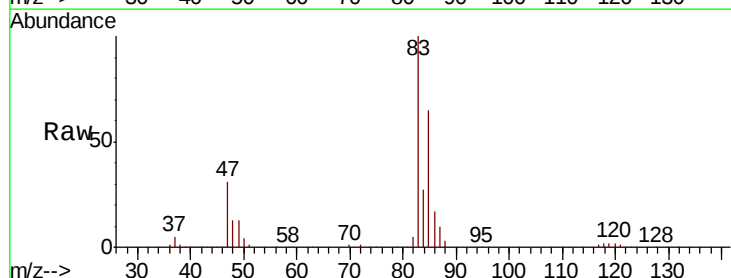
Acq: 22 Dec 2020 09:53

Tgt Ion: 83 Resp: 435421

Ion Ratio Lower Upper

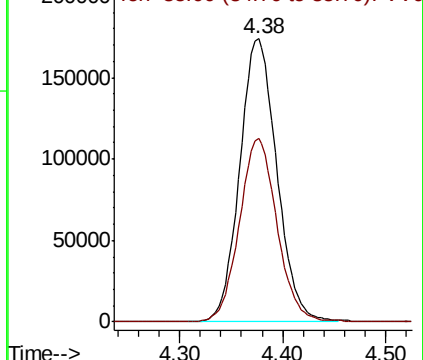
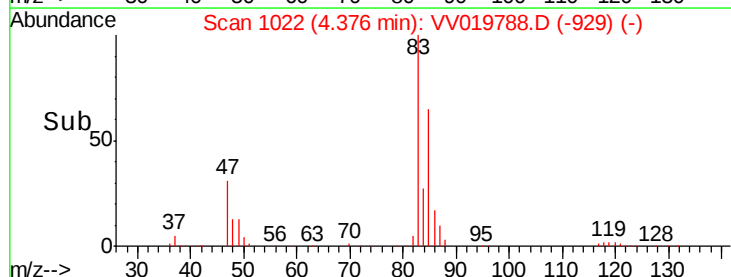
83 100

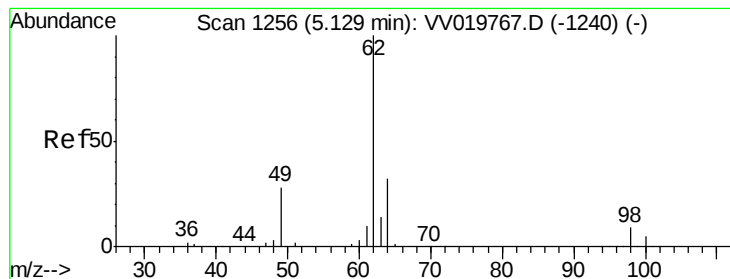
85 64.8 45.6 84.6



Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0





#27

1,2-Dichloroethane

Concen: 46.754 ug/L

RT: 5.13 min Scan# 1256

Delta R.T. -0.00 min

Lab File: VV019788.D

Acq: 22 Dec 2020 09:53

Instrument :

MSVOA_V

ClientSampleId :

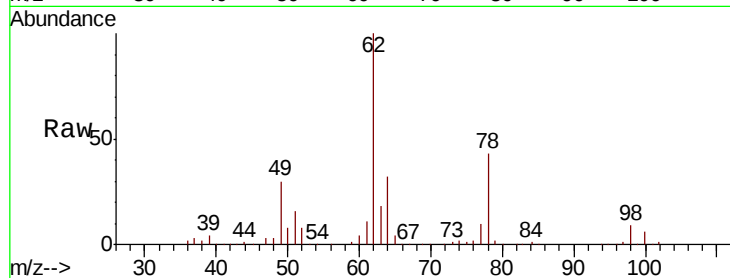
VSTD05069

Tot Ion: 62 Resp: 355925

Ion Ratio Lower Upper

62 100

98 8.9 7.4 11.0



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

5.13

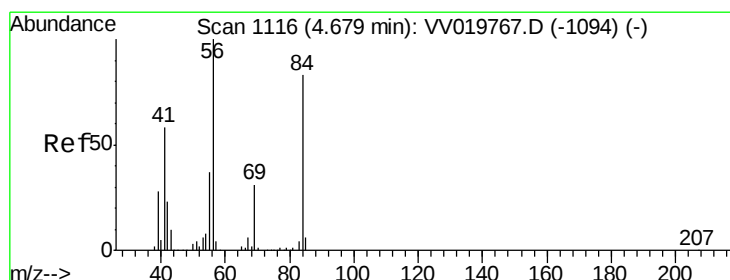
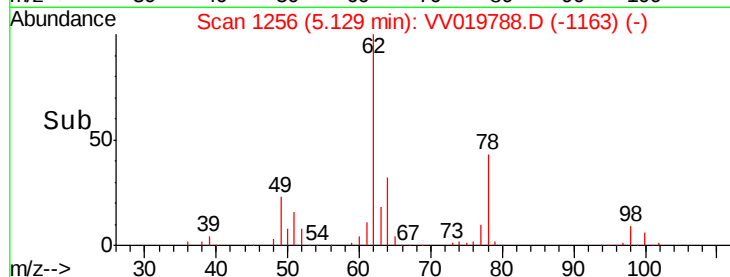
150000

100000

50000

0

Time-->



#29

Cyclohexane

Concen: 45.674 ug/L

RT: 4.68 min Scan# 1116

Delta R.T. 0.00 min

Lab File: VV019788.D

Acq: 22 Dec 2020 09:53

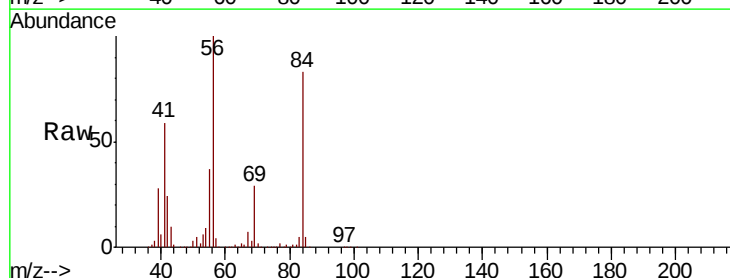
Tgt Ion: 56 Resp: 386602

Ion Ratio Lower Upper

56 100

69 29.9 24.6 37.0

84 83.8 68.2 102.4



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

200000

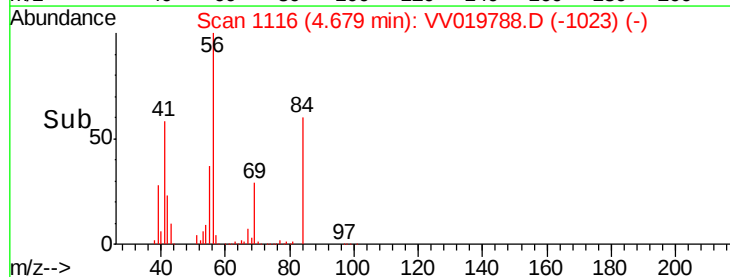
150000

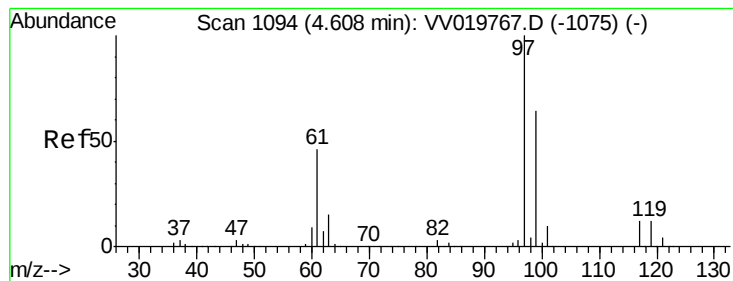
100000

50000

0

Time-->





#30

1,1,1-Trichloroethane

Concen: 44.775 ug/L

RT: 4.61 min Scan# 1095

Delta R.T. 0.00 min

Lab File: VV019788.D

Acq: 22 Dec 2020 09:53

Instrument :

MSVOA_V

ClientSampleId :

VSTD05069

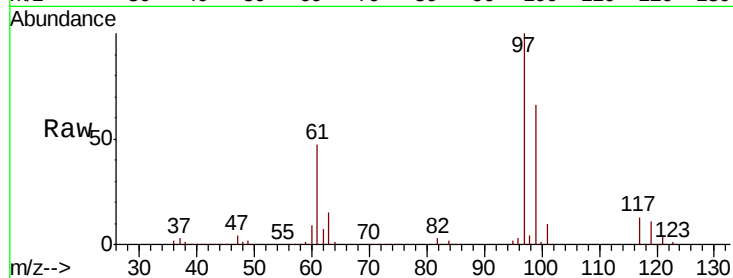
Tot Ion: 97 Resp: 387734

Ion Ratio Lower Upper

97 100

99 63.8 51.3 76.9

61 47.0 36.3 54.5

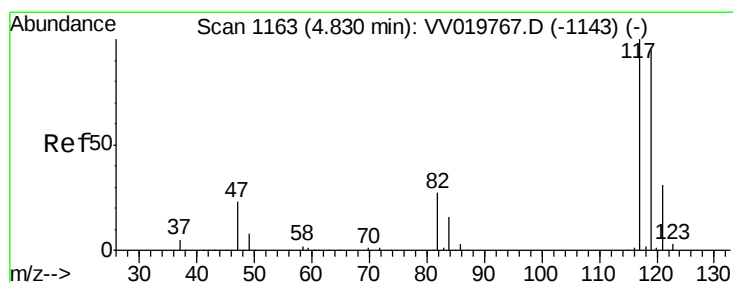
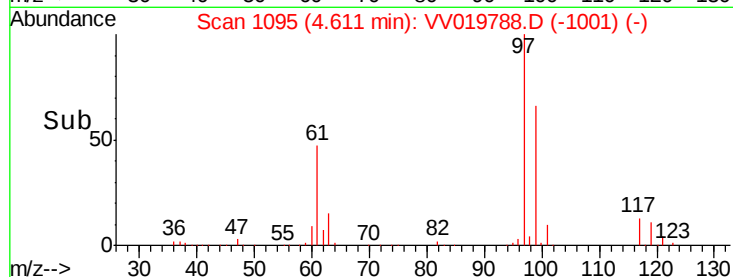
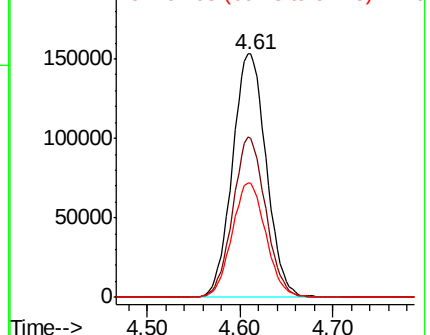


Abundance

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: 44.037 ug/L

RT: 4.83 min Scan# 1163

Delta R.T. 0.00 min

Lab File: VV019788.D

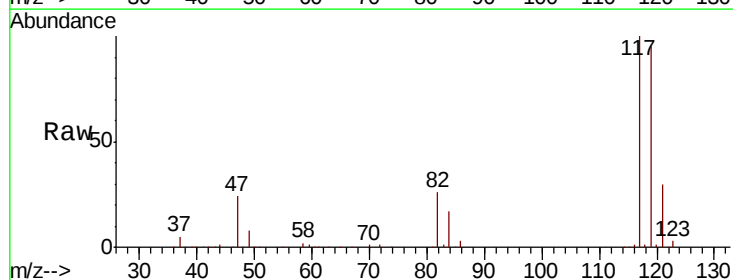
Acq: 22 Dec 2020 09:53

Tgt Ion: 117 Resp: 321922

Ion Ratio Lower Upper

117 100

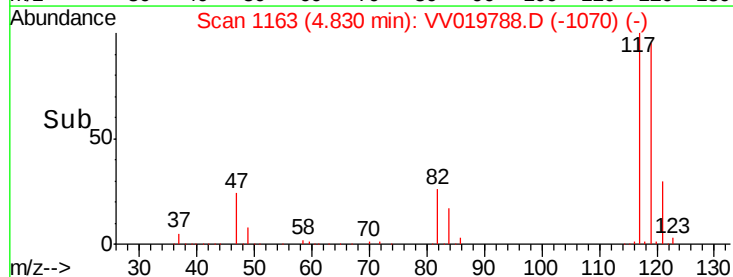
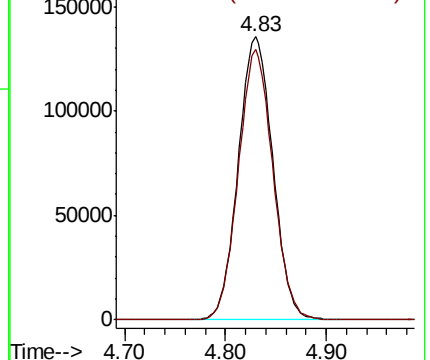
119 95.3 75.7 113.5

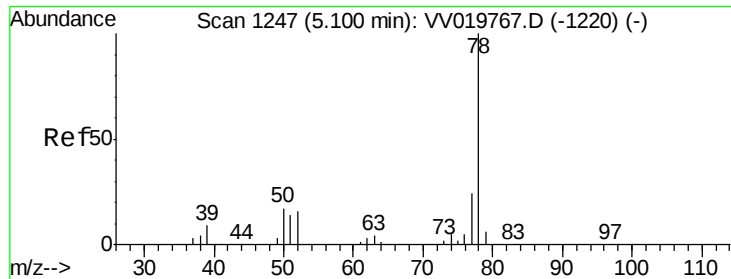


Abundance

Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V





#33

Benzene

Concen: 46.186 ug/L

RT: 5.10 min Scan# 1247

Delta R.T. 0.00 min

Lab File: VV019788.D

Acq: 22 Dec 2020 09:53

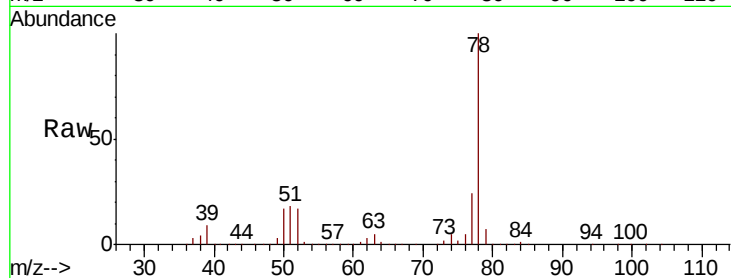
Instrument :

MSVOA_V

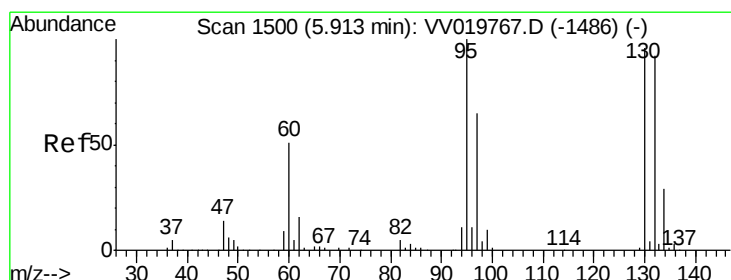
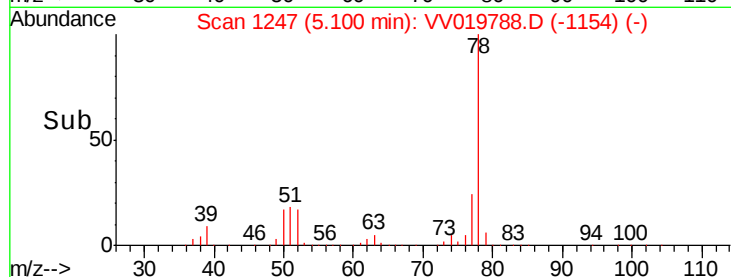
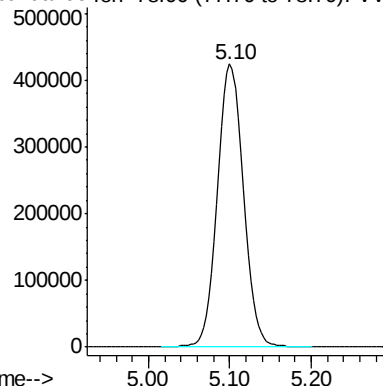
ClientSampleId :

VSTD05069

Tgt Ion: 78 Resp: 932225



Abundance Ion 78.00 (77.70 to 78.70): VV0



#34

Trichloroethene

Concen: 45.802 ug/L

RT: 5.92 min Scan# 1501

Delta R.T. 0.00 min

Lab File: VV019788.D

Acq: 22 Dec 2020 09:53

Tgt Ion: 95 Resp: 244211

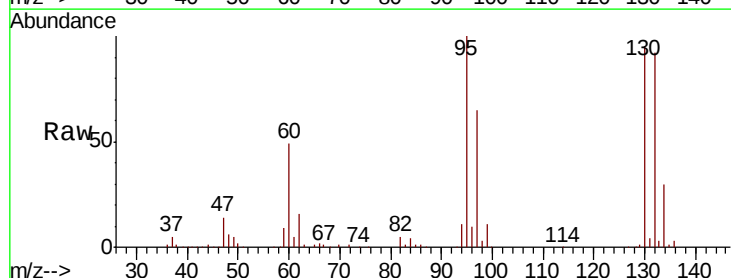
Ion	Ratio	Lower	Upper
95	100		
97	64.8	44.4	82.4
132	91.5	64.3	119.3
130	94.8	67.8	125.8

Ion 95.00 (94.70 to 95.70): VV0

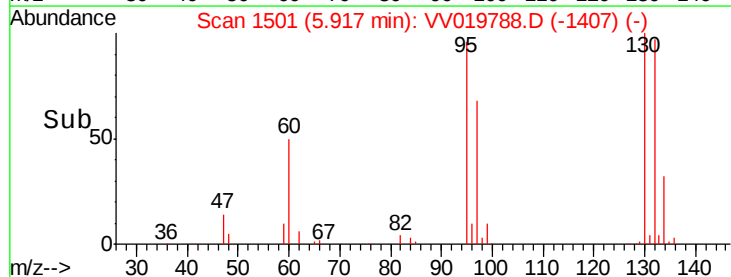
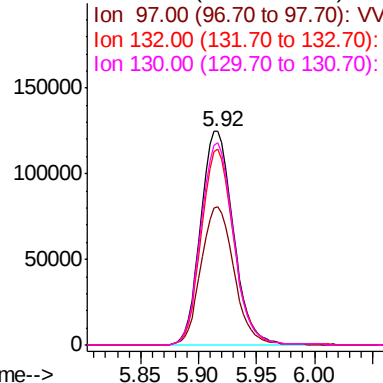
Ion 97.00 (96.70 to 97.70): VV0

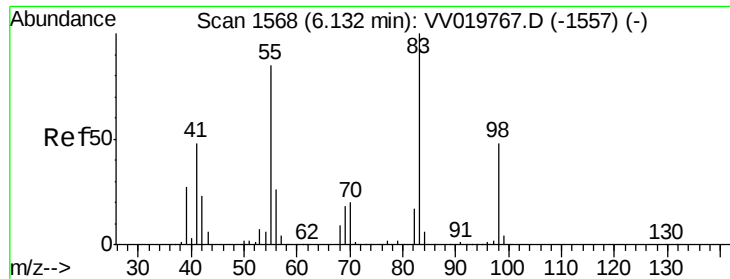
Ion 132.00 (131.70 to 132.70): VV0

Ion 130.00 (129.70 to 130.70): VV0



Abundance Ion 95.00 (94.70 to 95.70): VV0

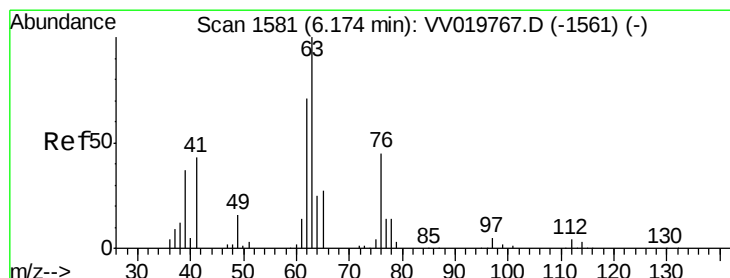
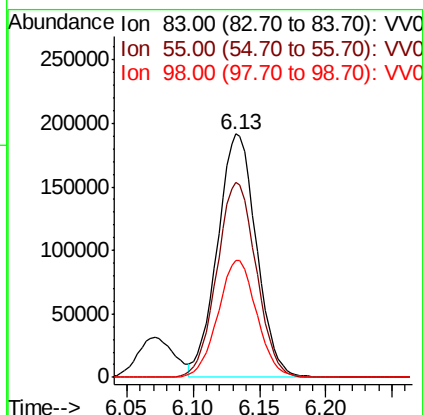
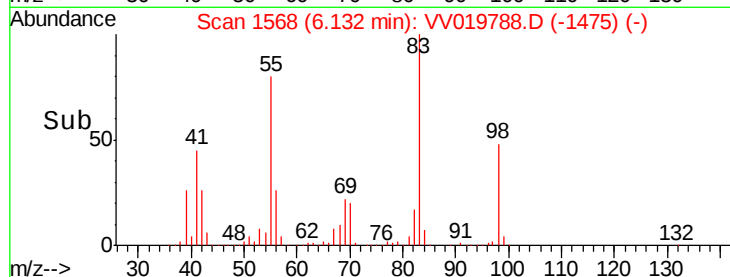
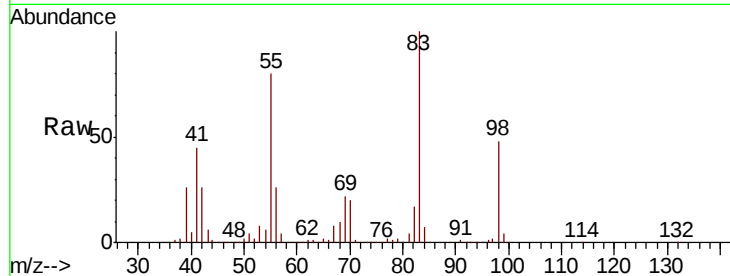




#35
Methvlcvclohexane
Concen: 48.018 ug/L
RT: 6.13 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VV019788.D
Acq: 22 Dec 2020 09:53

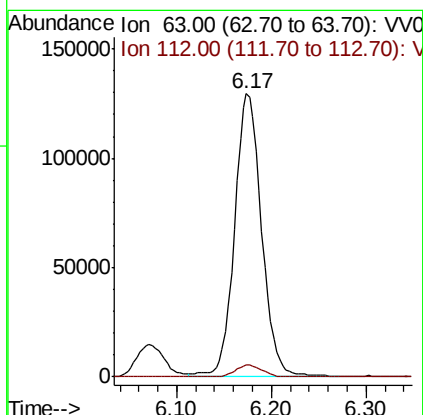
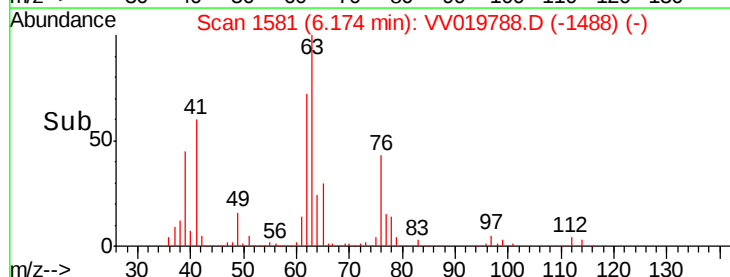
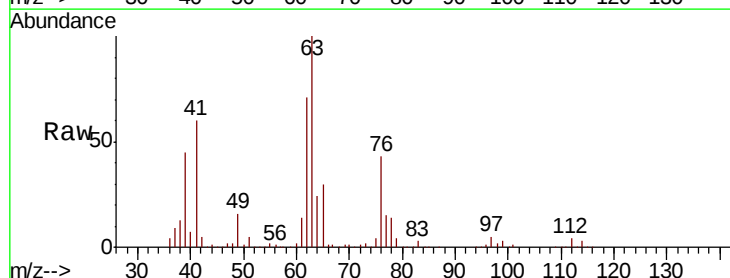
Instrument :
MSVOA_V
ClientSampleId :
VSTD05069

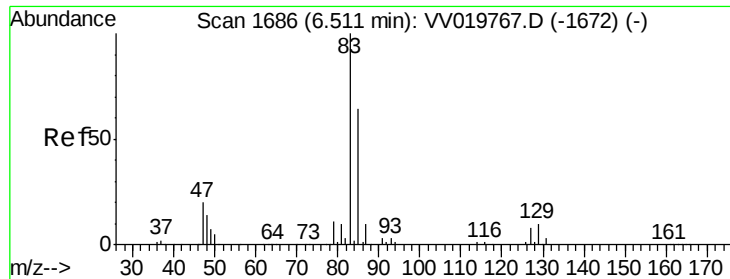
Tot Ion: 83 Resp: 388948
Ion Ratio Lower Upper
83 100
55 81.4 64.2 96.4
98 48.2 39.3 58.9



#37
1,2-Dichloropropane
Concen: 48.333 ug/L
RT: 6.17 min Scan# 1581
Delta R.T. 0.00 min
Lab File: VV019788.D
Acq: 22 Dec 2020 09:53

Tgt Ion: 63 Resp: 254765
Ion Ratio Lower Upper
63 100
112 4.3 3.5 5.3

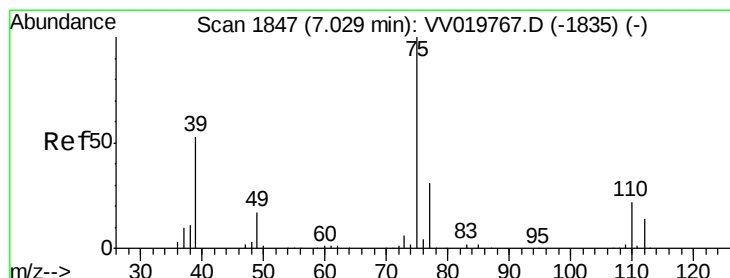
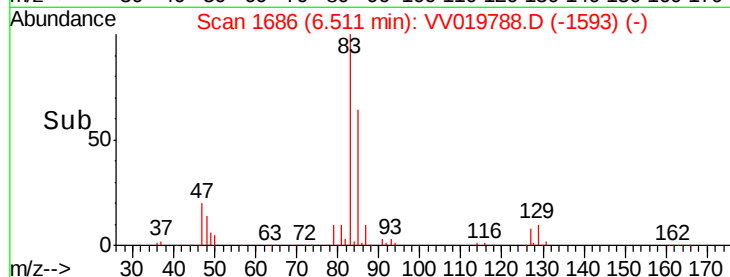
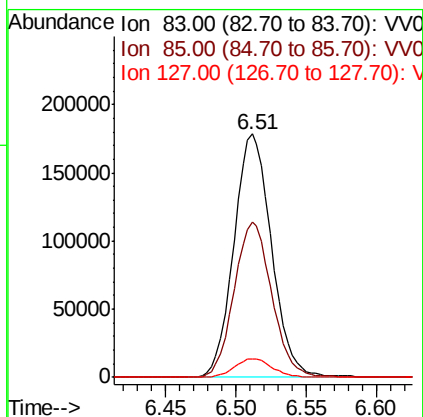
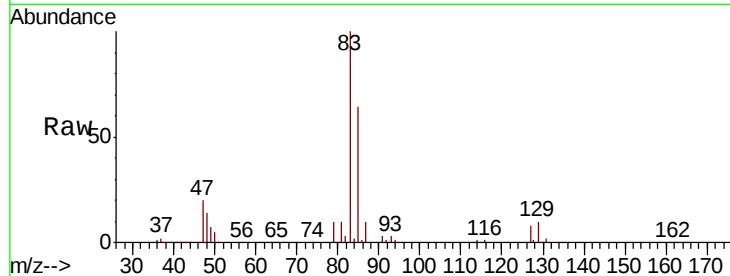




#38
 Bromodichloromethane
 Concen: 45.270 ug/L
 RT: 6.51 min Scan# 1686
 Delta R.T. -0.00 min
 Lab File: VV019788.D
 Acq: 22 Dec 2020 09:53

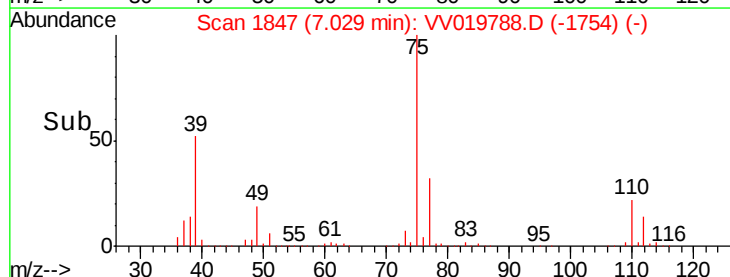
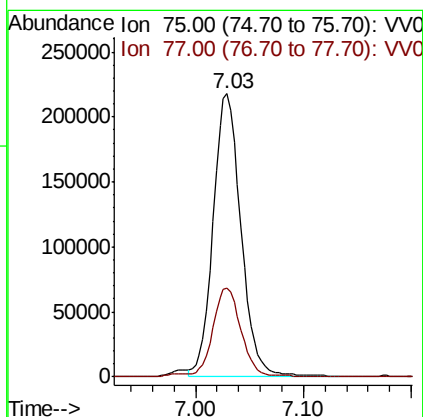
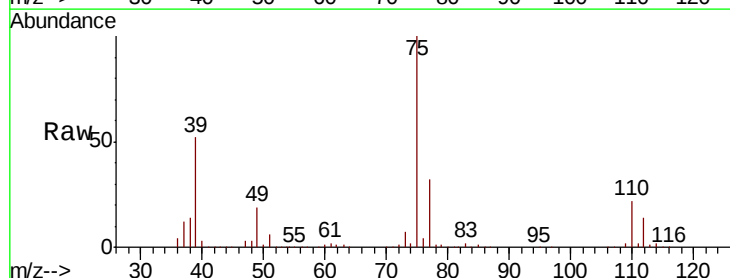
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05069

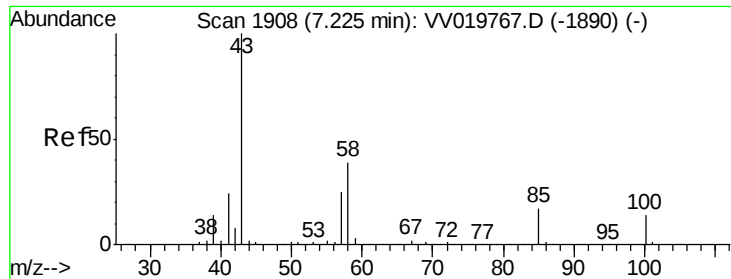
Tot Ion: 83 Resp: 333673
 Ion Ratio Lower Upper
 83 100
 85 63.8 44.9 83.5
 127 7.8 6.7 10.1



#39
 cis-1,3-Dichloropropene
 Concen: 44.464 ug/L
 RT: 7.03 min Scan# 1847
 Delta R.T. 0.00 min
 Lab File: VV019788.D
 Acq: 22 Dec 2020 09:53

Tgt Ion: 75 Resp: 389262
 Ion Ratio Lower Upper
 75 100
 77 31.6 22.4 41.6

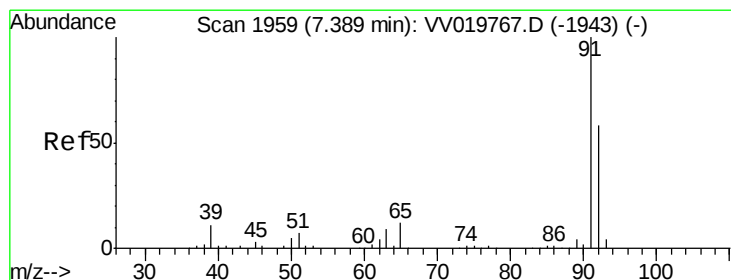
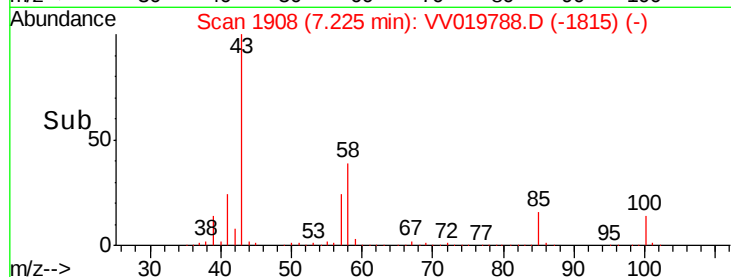
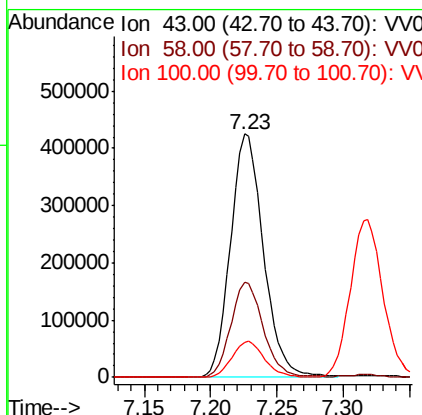
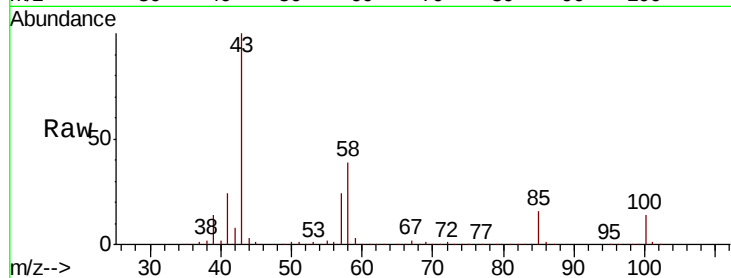




#40
4-Methyl-2-pentanone
Concen: 96.775 ug/L
RT: 7.23 min Scan# 1908
Delta R.T. 0.00 min
Lab File: VV019788.D
Acq: 22 Dec 2020 09:53

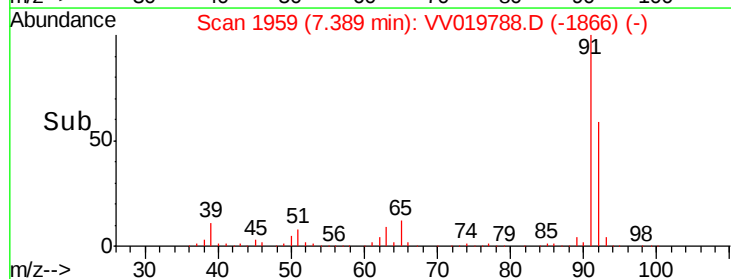
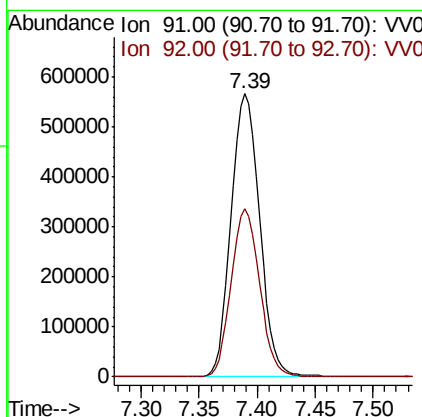
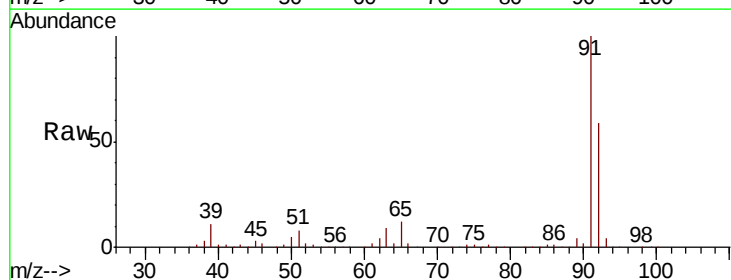
Instrument :
MSVOA_V
ClientSampleId :
VSTD05069

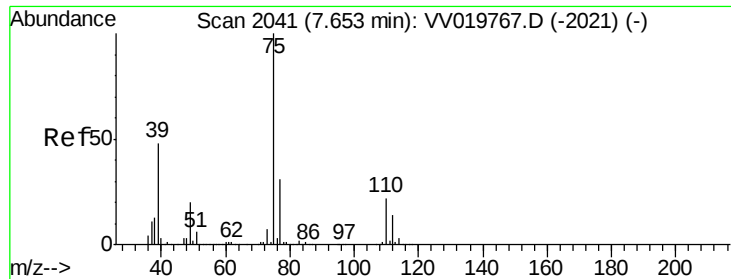
Tot Ion: 43 Resp: 735941
Ion Ratio Lower Upper
43 100
58 38.5 31.7 47.5
100 14.7 12.5 18.7



#42
Toluene
Concen: 45.466 ug/L
RT: 7.39 min Scan# 1959
Delta R.T. 0.00 min
Lab File: VV019788.D
Acq: 22 Dec 2020 09:53

Tgt Ion: 91 Resp: 967216
Ion Ratio Lower Upper
91 100
92 59.3 41.4 76.8





#44

trans-1,3-Dichloropropene

Concen: 43.596 ug/L

RT: 7.65 min Scan# 2041

Delta R.T. -0.00 min

Lab File: VV019788.D

Acq: 22 Dec 2020 09:53

Instrument :

MSVOA_V

ClientSampleId :

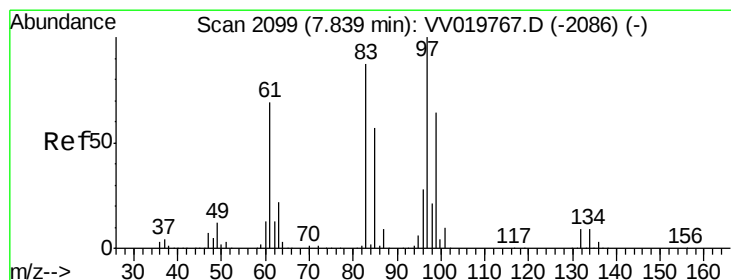
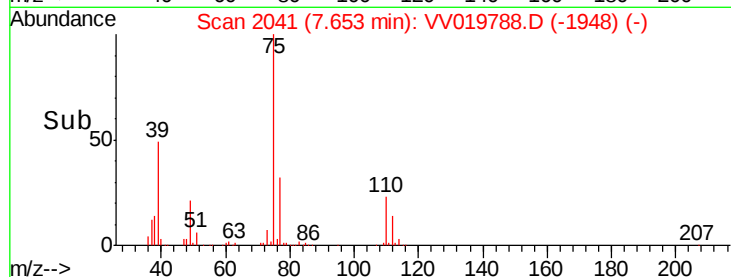
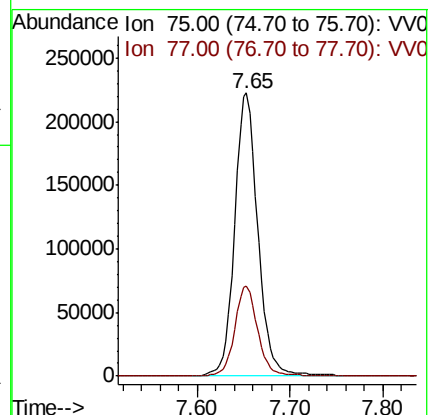
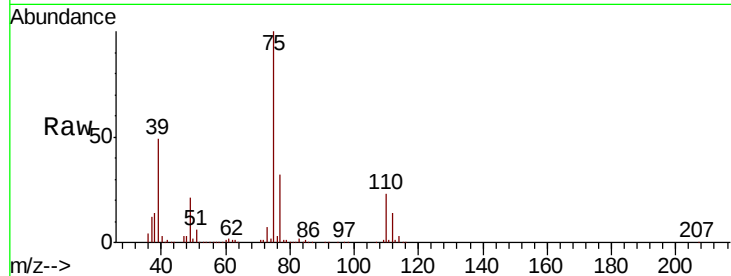
VSTD05069

Tot Ion: 75 Resp: 386455

Ion Ratio Lower Upper

75 100

77 31.8 22.5 41.9



#45

1,1,2-Trichloroethane

Concen: 45.731 ug/L

RT: 7.84 min Scan# 2099

Delta R.T. 0.00 min

Lab File: VV019788.D

Acq: 22 Dec 2020 09:53

Tgt Ion: 97 Resp: 228906

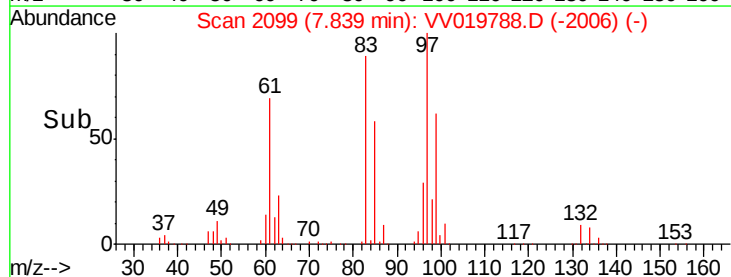
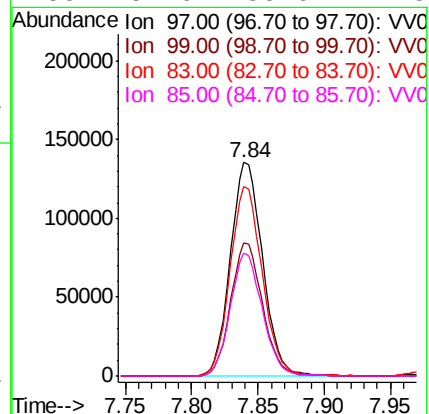
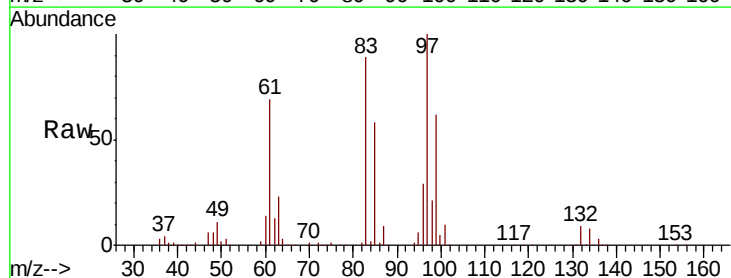
Ion Ratio Lower Upper

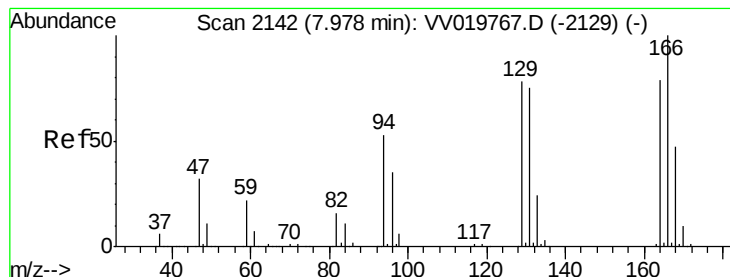
97 100

99 62.1 44.1 81.9

83 88.8 60.0 111.4

85 57.6 38.6 71.8





#46

Tetrachloroethene

Concen: 44.554 ug/L

RT: 7.98 min Scan# 2142

Delta R.T. 0.00 min

Lab File: VV019788.D

Acq: 22 Dec 2020 09:53

Instrument :

MSVOA_V

ClientSampleId :

VSTD05069

Tot Ion:164 Resp: 164377

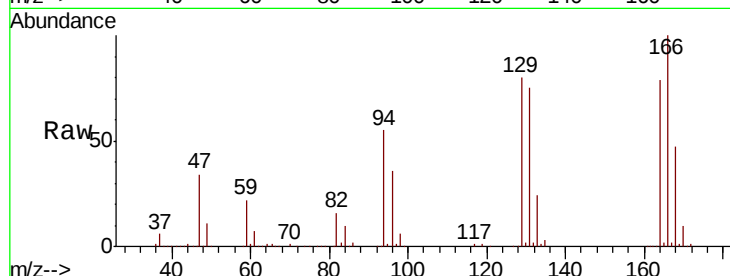
Ion Ratio Lower Upper

164 100

129 102.0 70.6 131.0

131 95.8 68.0 126.4

166 127.3 86.9 161.5



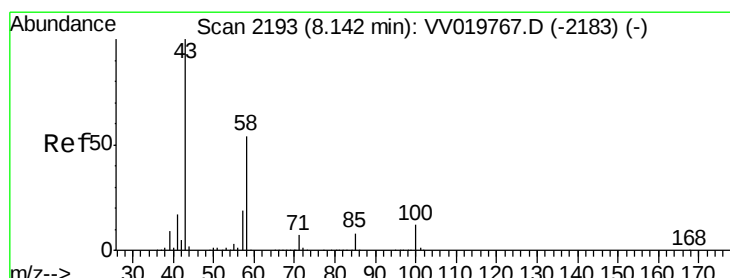
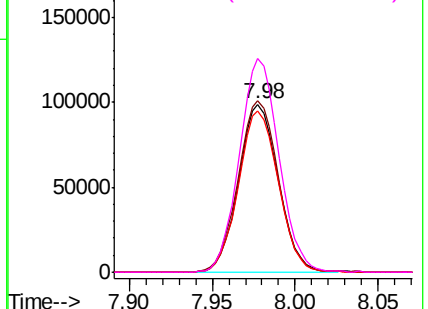
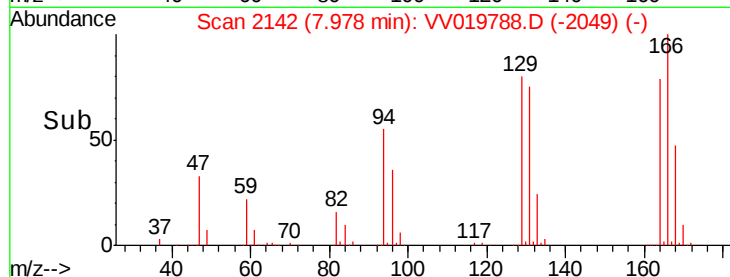
Abundance

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: 100.131 ug/L

RT: 8.14 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VV019788.D

Acq: 22 Dec 2020 09:53

Tgt Ion: 43 Resp: 577780

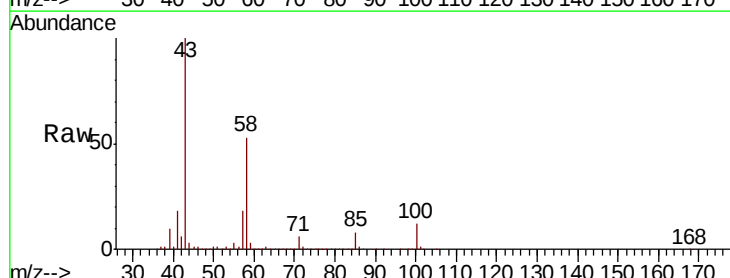
Ion Ratio Lower Upper

43 100

58 52.1 44.4 66.6

57 18.2 15.7 23.5

100 11.6 9.9 14.9



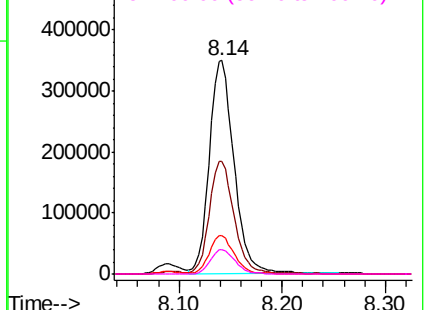
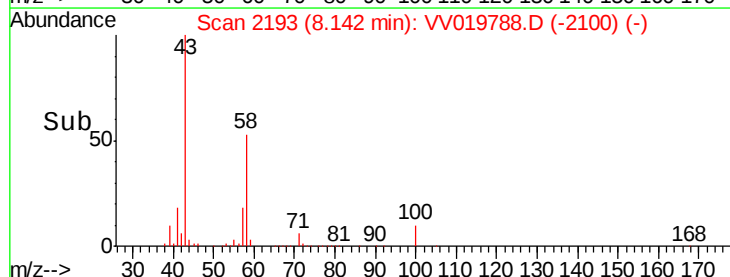
Abundance

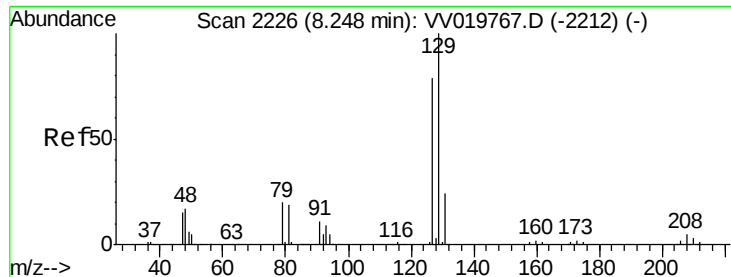
Ion 43.00 (42.70 to 43.70): VV0

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: 44.172 ug/L

RT: 8.25 min Scan# 2226

Delta R.T. 0.00 min

Lab File: VV019788.D

Acq: 22 Dec 2020 09:53

Instrument :

MSVOA_V

ClientSampleId :

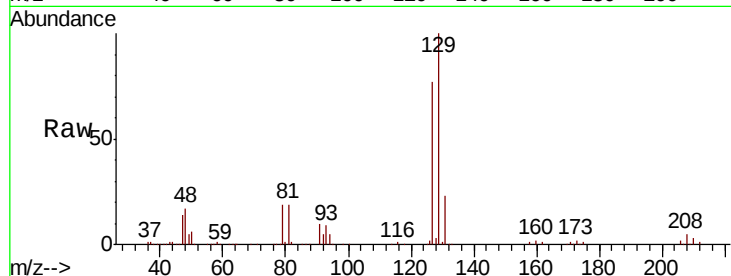
VSTD05069

Tot Ion:129 Resp: 242141

Ion Ratio Lower Upper

129 100

127 77.0 54.2 100.6



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

8.25

150000

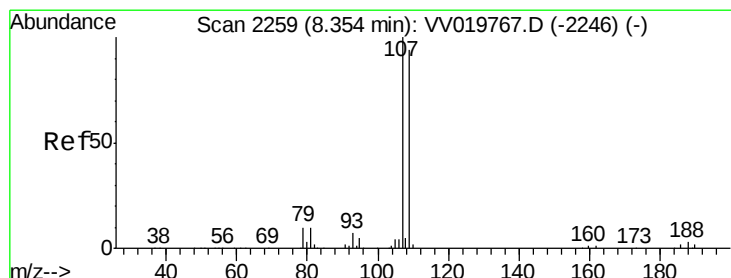
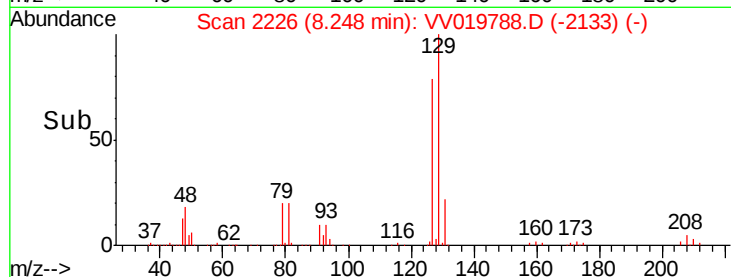
100000

50000

0

Time-->

8.20 8.25 8.30



#50

1,2-Dibromoethane

Concen: 45.217 ug/L

RT: 8.35 min Scan# 2259

Delta R.T. -0.00 min

Lab File: VV019788.D

Acq: 22 Dec 2020 09:53

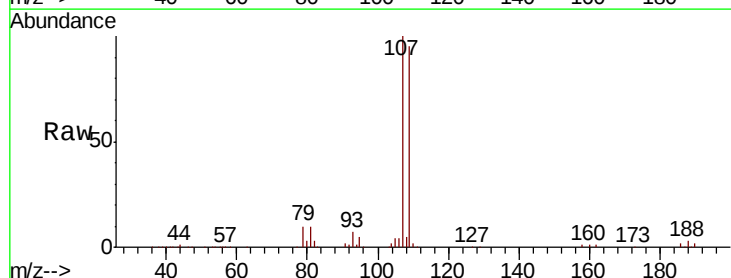
Tgt Ion:107 Resp: 238343

Ion Ratio Lower Upper

107 100

109 94.6 66.4 123.2

188 3.2 2.9 4.3



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

8.35

150000

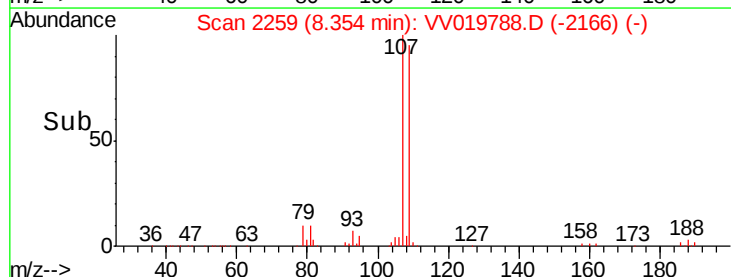
100000

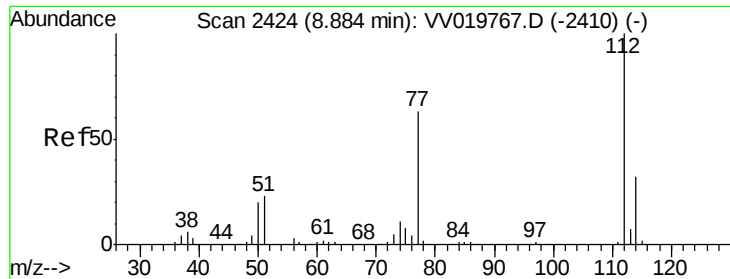
50000

0

Time-->

8.30 8.35 8.40 8.45

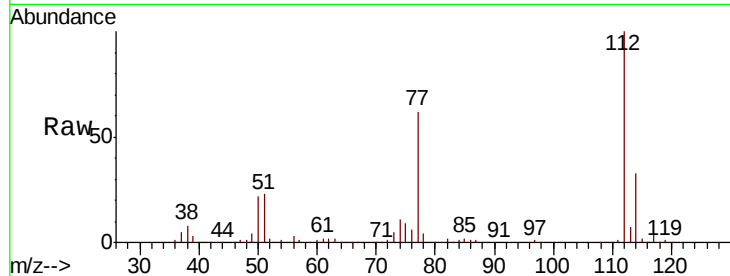




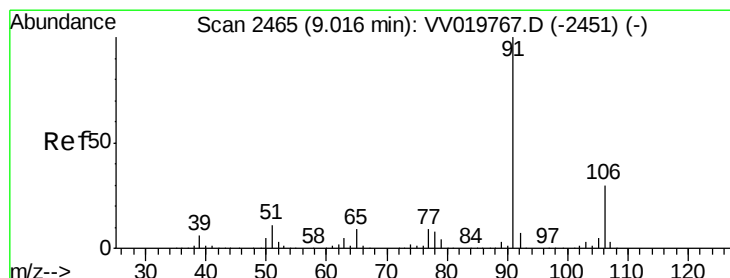
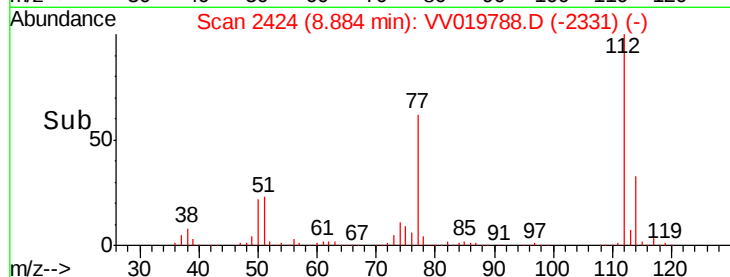
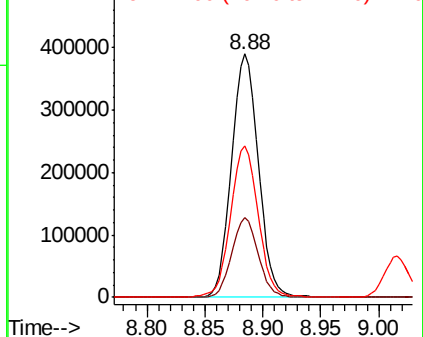
#51
Chlorobenzene
Concen: 45.904 ug/L
RT: 8.88 min Scan# 2424
Delta R.T. 0.00 min
Lab File: VV019788.D
Acq: 22 Dec 2020 09:53

Instrument :
MSVOA_V
ClientSampleId :
VSTD05069

Tot Ion:112 Resp: 623698
Ion Ratio Lower Upper
112 100
114 32.5 22.2 41.2
77 62.0 50.6 75.8

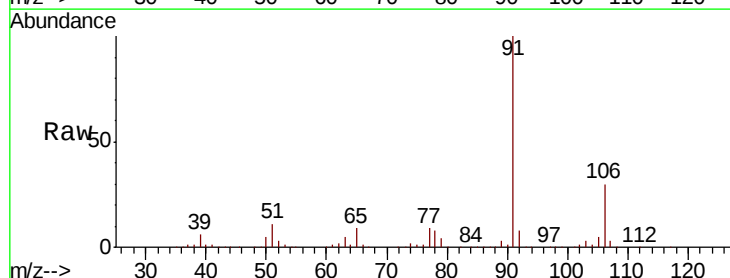


Abundance Ion 112.00 (111.70 to 112.70): V
Ion 114.00 (113.70 to 114.70): V
Ion 77.00 (76.70 to 77.70): V

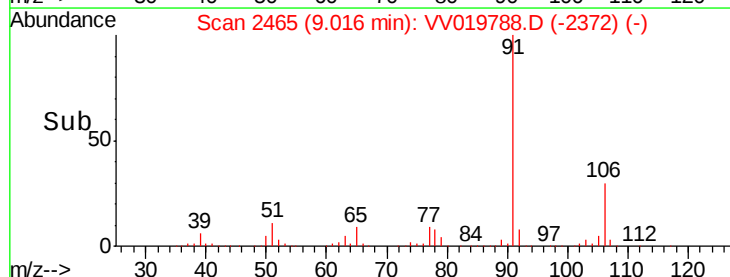
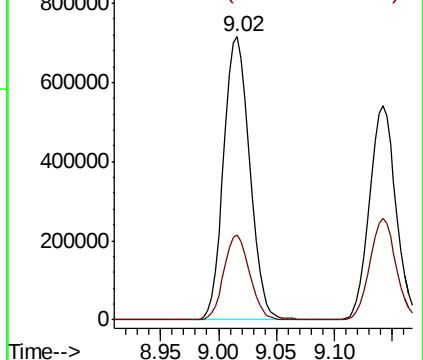


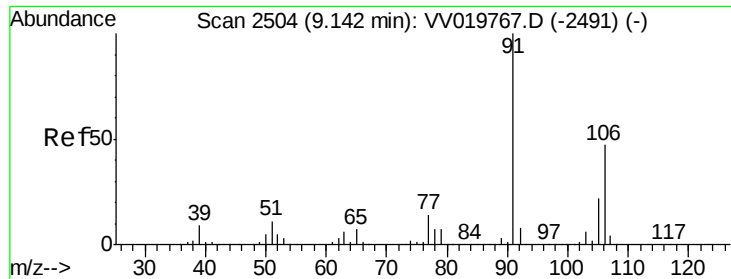
#52
Ethylbenzene
Concen: 45.990 ug/L
RT: 9.02 min Scan# 2465
Delta R.T. 0.00 min
Lab File: VV019788.D
Acq: 22 Dec 2020 09:53

Tgt Ion: 91 Resp: 1114699
Ion Ratio Lower Upper
91 100
106 30.0 21.1 39.3



Abundance Ion 91.00 (90.70 to 91.70): VV0
Ion 106.00 (105.70 to 106.70): V





#53

m,p-Xylene

Concen: 44.763 ug/L

RT: 9.14 min Scan# 2504

Delta R.T. -0.00 min

Lab File: VV019788.D

Acq: 22 Dec 2020 09:53

Instrument :

MSVOA_V

ClientSampleId :

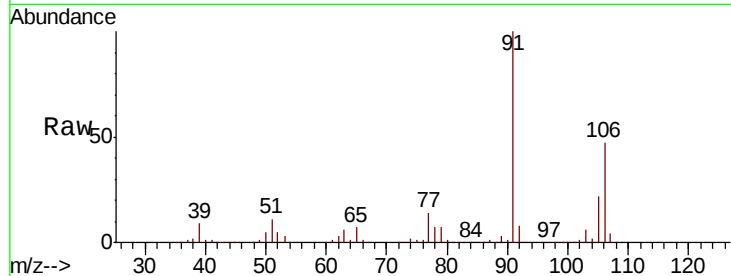
VSTD05069

Tot Ion:106 Resp: 405326

Ion Ratio Lower Upper

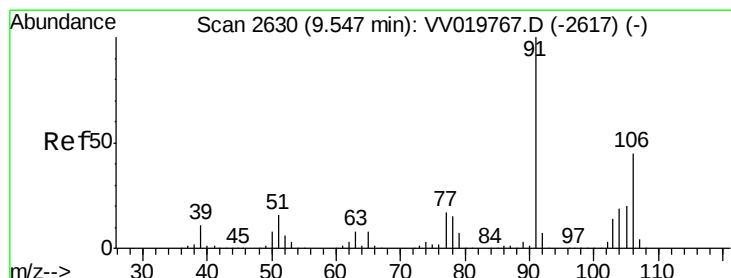
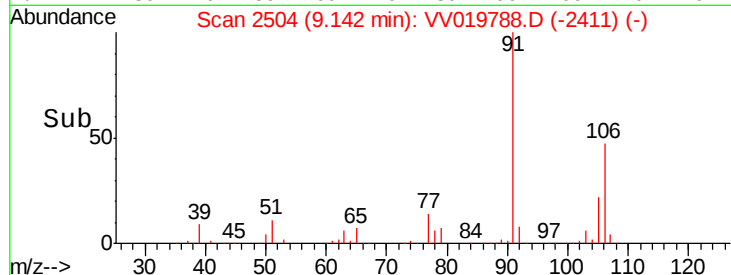
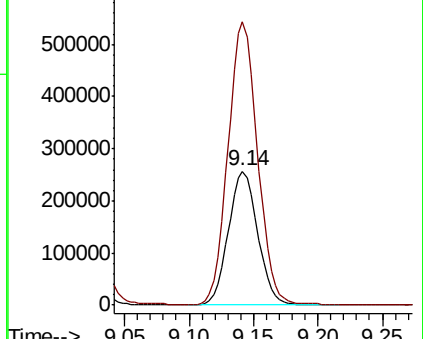
106 100

91 211.6 147.7 274.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#54

o-xylene

Concen: 44.837 ug/L

RT: 9.55 min Scan# 2630

Delta R.T. 0.00 min

Lab File: VV019788.D

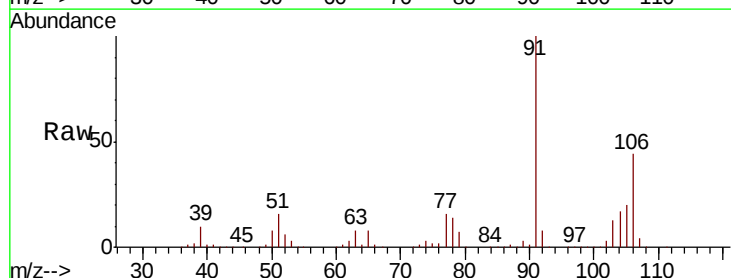
Acq: 22 Dec 2020 09:53

Tgt Ion:106 Resp: 397949

Ion Ratio Lower Upper

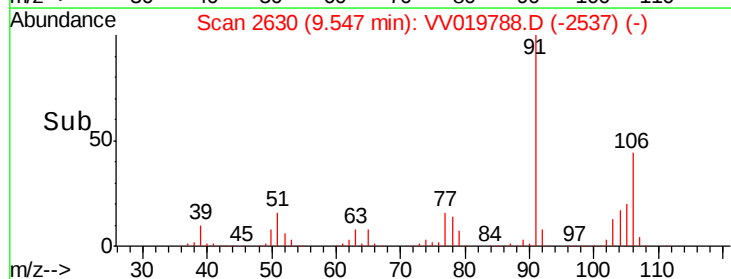
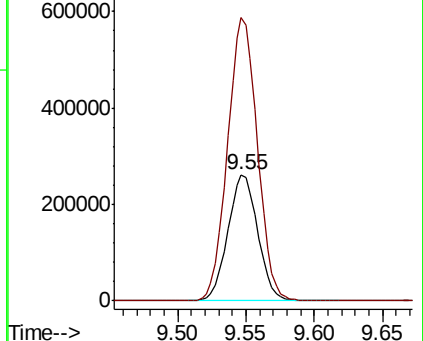
106 100

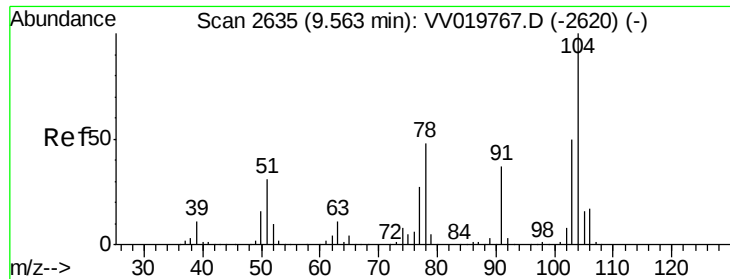
91 224.8 156.7 291.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0





#55

Stvrene

Concen: 45.672 ug/L

RT: 9.56 min Scan# 2635

Delta R.T. 0.00 min

Lab File: VV019788.D

Acq: 22 Dec 2020 09:53

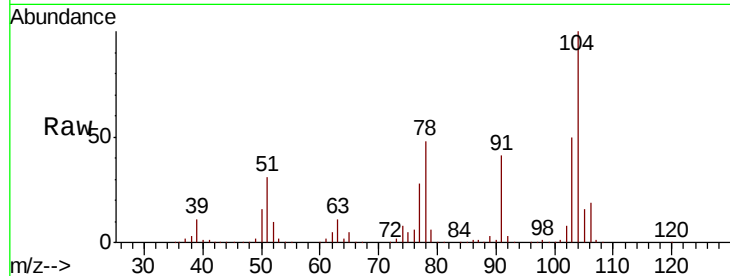
Instrument :
MSVOA_V
ClientSampleId :
VSTD05069

Tot Ion:104 Resp: 706502

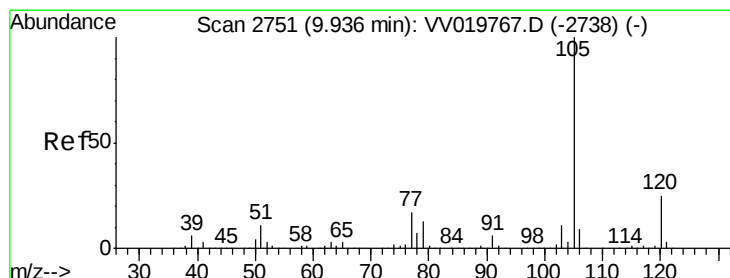
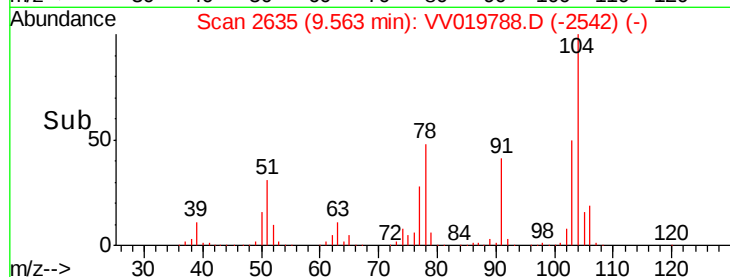
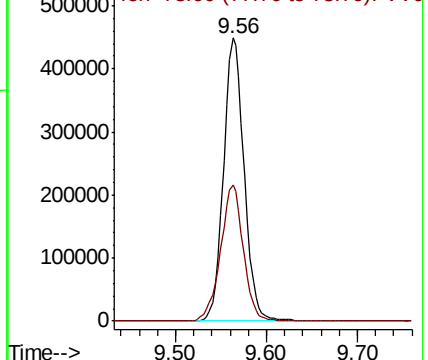
Ion Ratio Lower Upper

104 100

78 48.3 33.7 62.7



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VV0



#56

Isopropylbenzene

Concen: 46.054 ug/L

RT: 9.94 min Scan# 2751

Delta R.T. -0.00 min

Lab File: VV019788.D

Acq: 22 Dec 2020 09:53

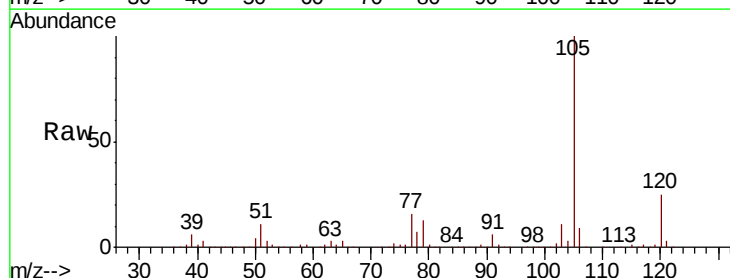
Tgt Ion:105 Resp: 1088956

Ion Ratio Lower Upper

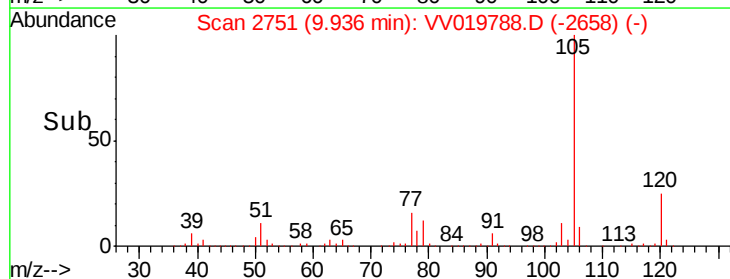
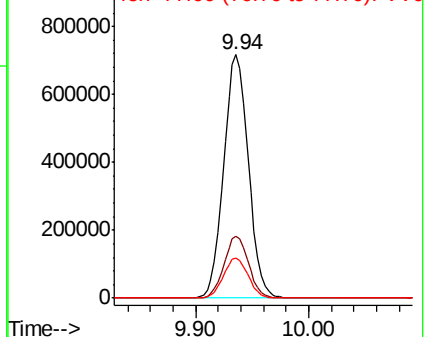
105 100

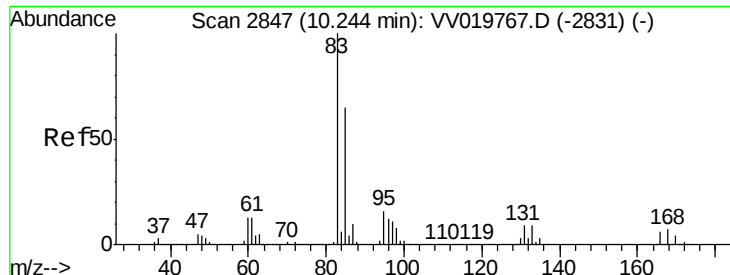
120 25.4 20.6 31.0

77 16.6 13.2 19.8



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: 45.788 ug/L

RT: 10.25 min Scan# 2848

Delta R.T. 0.00 min

Lab File: VV019788.D

Acq: 22 Dec 2020 09:53

Instrument :

MSVOA_V

ClientSampleId :

VSTD05069

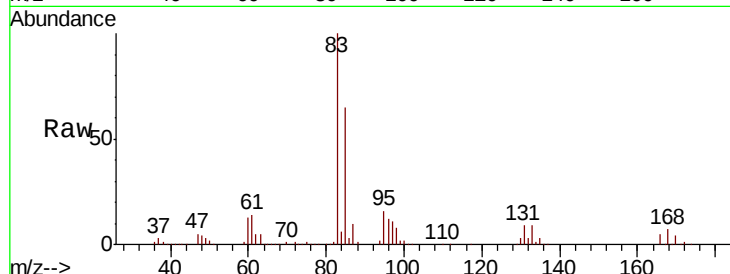
Tot Ion: 83 Resp: 368572

Ion Ratio Lower Upper

83 100

85 64.9 44.9 83.5

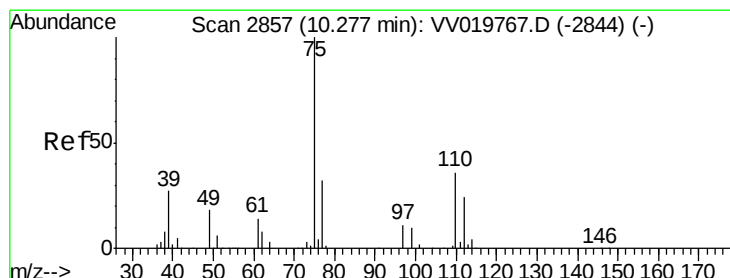
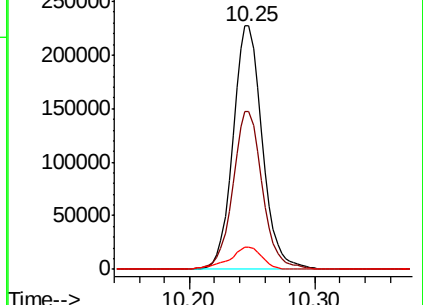
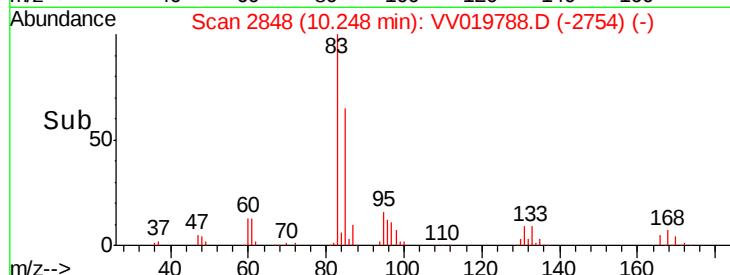
131 9.1 7.6 11.4



Abundance Ion 83.00 (82.70 to 83.70): VV019767.D (-2831) (-)

Ion 85.00 (84.70 to 85.70): VV019767.D (-2831) (-)

Ion 131.00 (130.70 to 131.70): VV019767.D (-2831) (-)



#59

1,2,3-Trichloropropane

Concen: 47.240 ug/L

RT: 10.28 min Scan# 2858

Delta R.T. 0.00 min

Lab File: VV019788.D

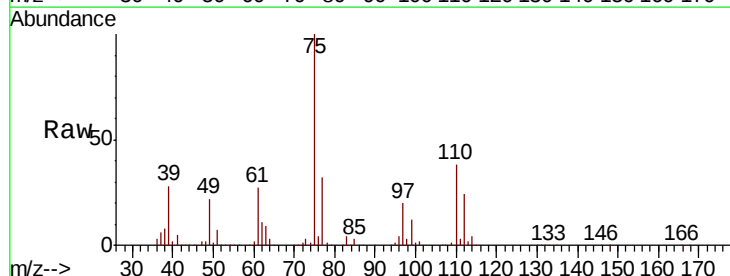
Acq: 22 Dec 2020 09:53

Tgt Ion: 75 Resp: 309723

Ion Ratio Lower Upper

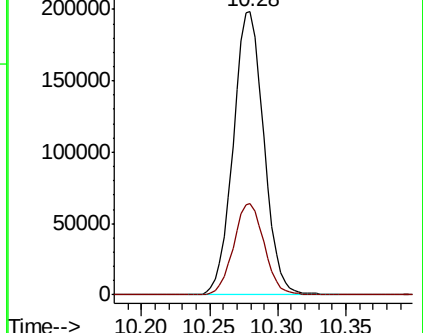
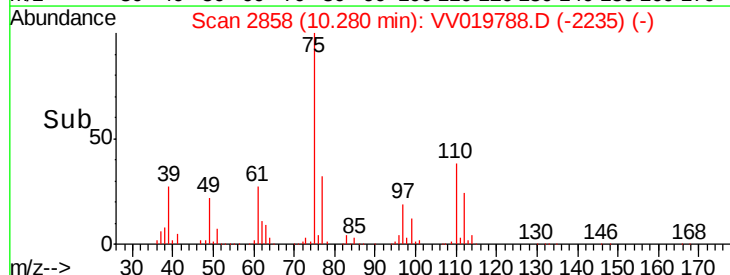
75 100

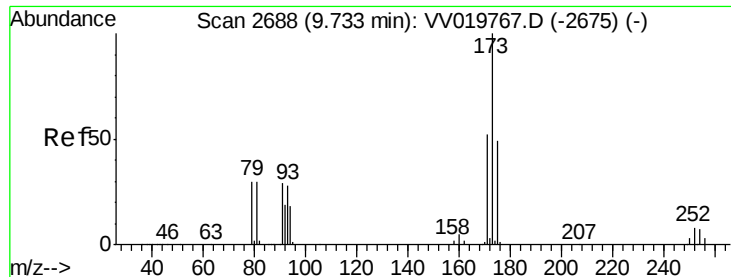
77 32.4 25.8 38.8



Abundance Ion 75.00 (74.70 to 75.70): VV019767.D (-2844) (-)

Ion 77.00 (76.70 to 77.70): VV019767.D (-2844) (-)





#61

Bromoform

Concen: 41.692 ug/L

RT: 9.74 min Scan# 2689

Delta R.T. 0.00 min

Lab File: VV019788.D

Acq: 22 Dec 2020 09:53

Instrument :

MSVOA_V

ClientSampleId :

VSTD05069

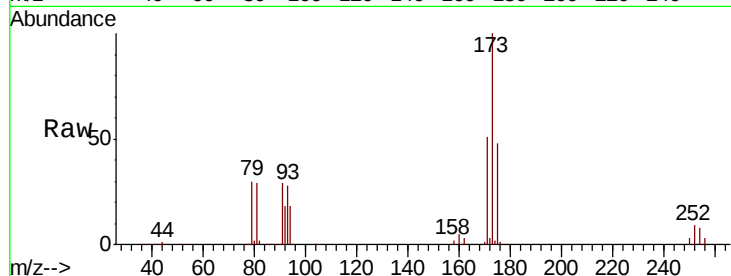
Tot Ion:173 Resp: 156248

Ion Ratio Lower Upper

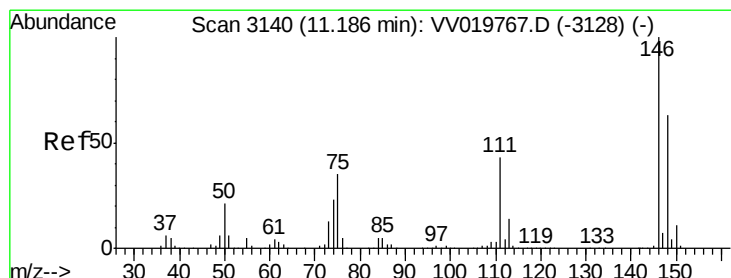
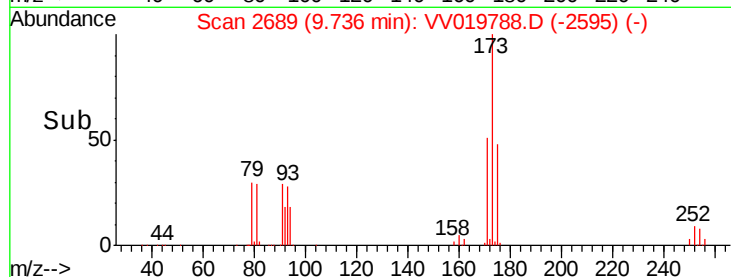
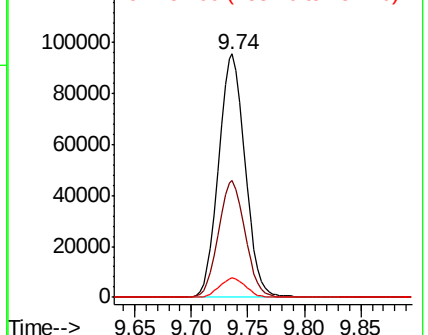
173 100

175 48.0 38.4 57.6

254 8.0 6.6 10.0



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: 45.765 ug/L

RT: 11.19 min Scan# 3140

Delta R.T. -0.00 min

Lab File: VV019788.D

Acq: 22 Dec 2020 09:53

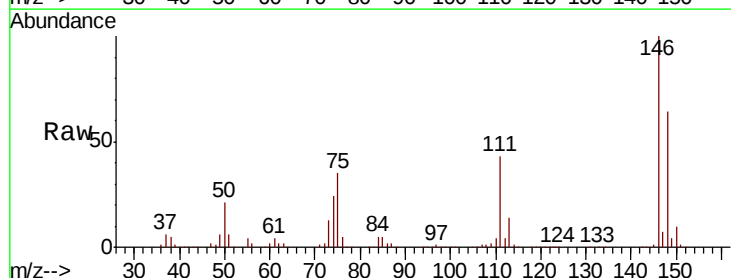
Tgt Ion:146 Resp: 475580

Ion Ratio Lower Upper

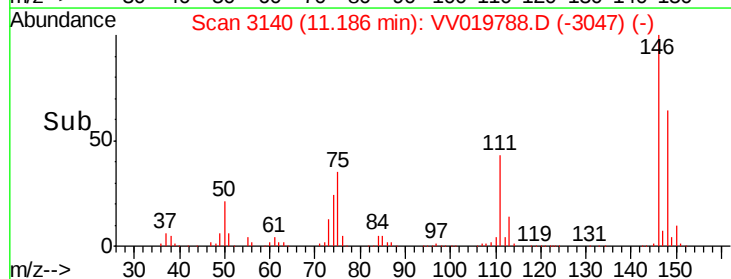
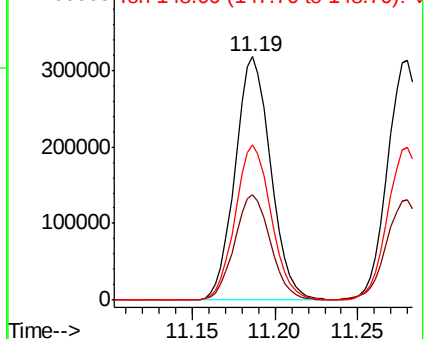
146 100

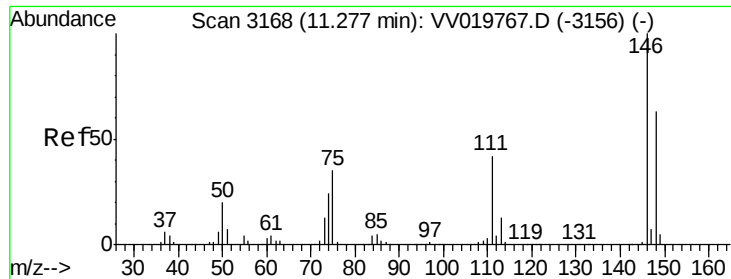
111 43.5 30.7 57.1

148 63.6 45.3 84.1



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

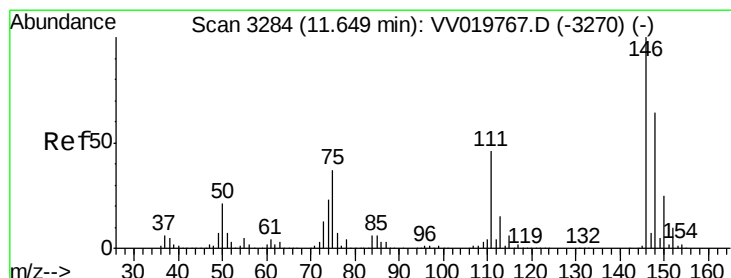
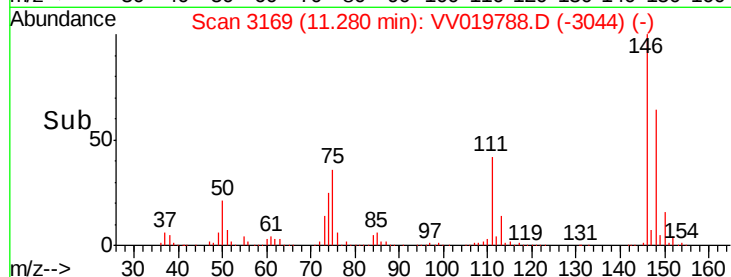
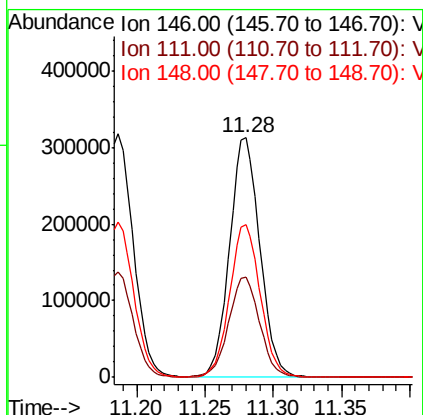
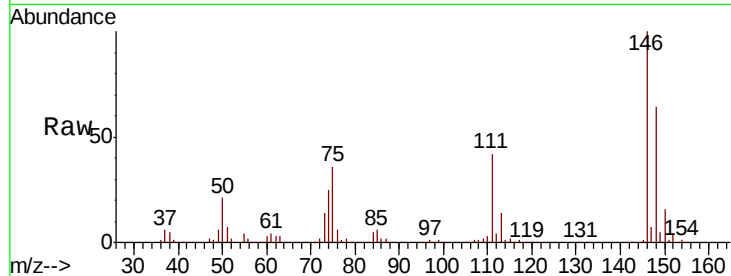




#63
1,4-Dichlorobenzene
Concen: 45.826 ug/L
RT: 11.28 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VV019788.D
Acq: 22 Dec 2020 09:53

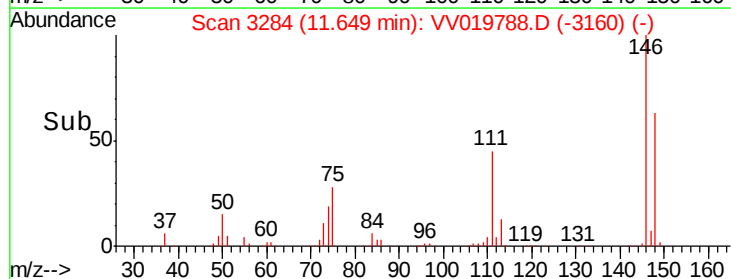
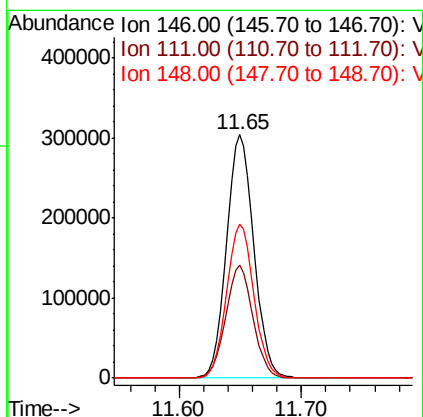
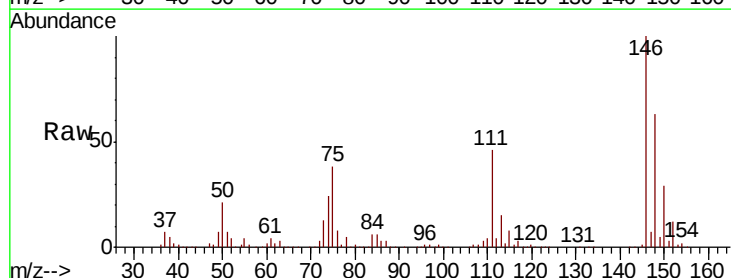
Instrument :
MSVOA_V
ClientSampled :
VSTD05069

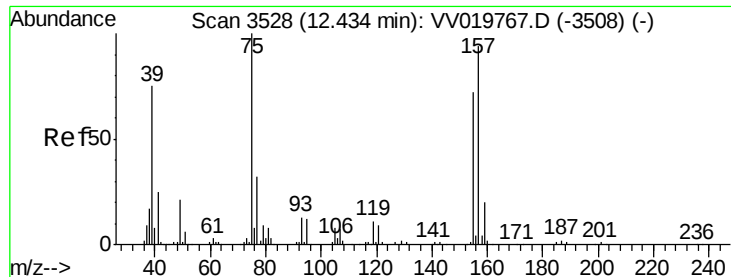
Tot Ion:146 Resp: 482215
Ion Ratio Lower Upper
146 100
111 41.8 29.8 55.4
148 63.7 44.2 82.0



#65
1,2-Dichlorobenzene
Concen: 46.507 ug/L
RT: 11.65 min Scan# 3284
Delta R.T. 0.00 min
Lab File: VV019788.D
Acq: 22 Dec 2020 09:53

Tgt Ion:146 Resp: 477549
Ion Ratio Lower Upper
146 100
111 46.2 36.6 55.0
148 63.1 50.7 76.1

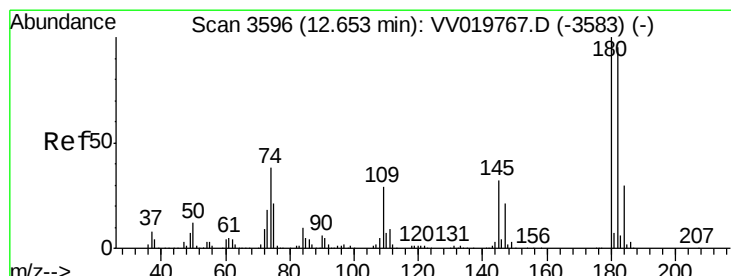
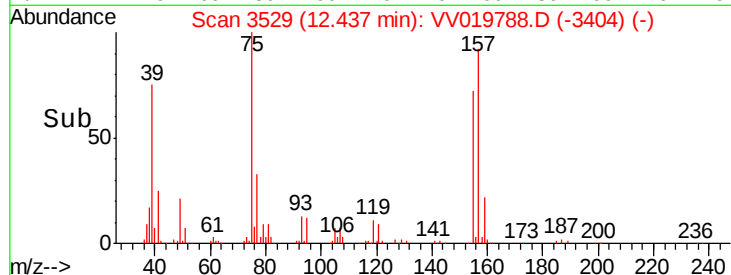
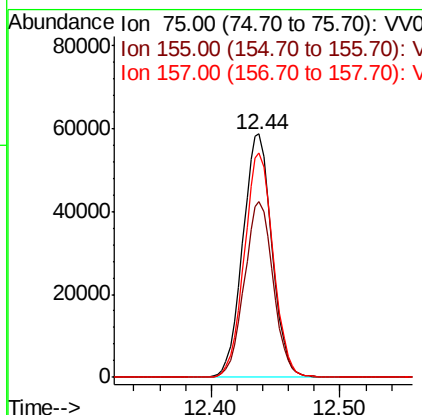
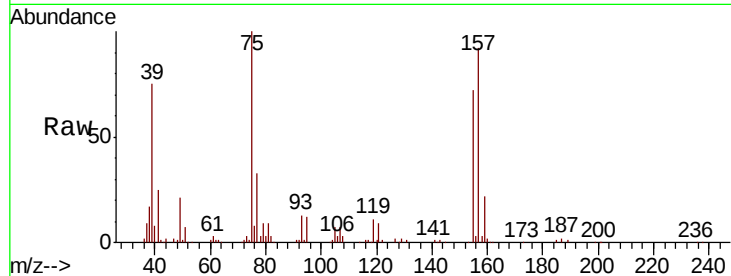




#66
 1,2-Dibromo-3-chloropropane
 Concen: 43.073 ug/L
 RT: 12.44 min Scan# 3529
 Delta R.T. 0.00 min
 Lab File: VV019788.D
 Acq: 22 Dec 2020 09:53

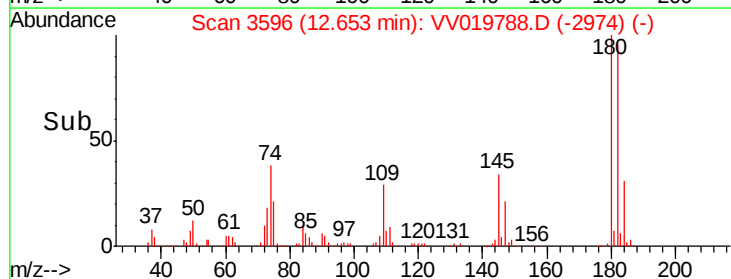
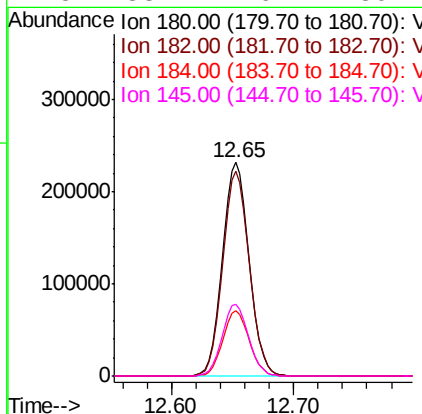
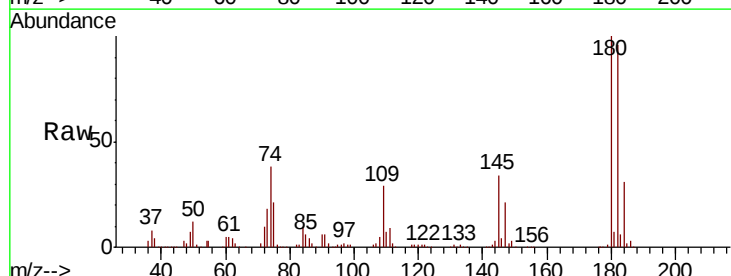
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05069

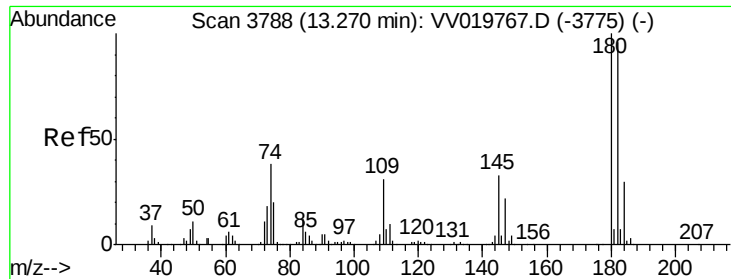
Tot Ion: 75 Resp: 92325
 Ion Ratio Lower Upper
 75 100
 155 72.4 61.1 91.7
 157 92.3 78.7 118.1



#67
 1,3,5-Trichlorobenzene
 Concen: 48.392 ug/L
 RT: 12.65 min Scan# 3596
 Delta R.T. -0.00 min
 Lab File: VV019788.D
 Acq: 22 Dec 2020 09:53

Tgt Ion: 180 Resp: 355298
 Ion Ratio Lower Upper
 180 100
 182 95.7 75.8 113.6
 184 30.5 23.9 35.9
 145 33.4 26.2 39.2

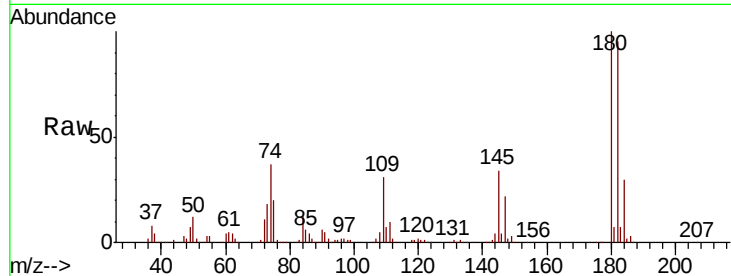




#68
1,2,4-trichlorobenzene
Concen: 47.558 ug/L
RT: 13.27 min Scan# 3788
Delta R.T. 0.00 min
Lab File: VV019788.D
Acq: 22 Dec 2020 09:53

Instrument :
MSVOA_V
ClientSampleId :
VSTD05069

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.3	76.5	114.7
145	33.8	27.0	40.6

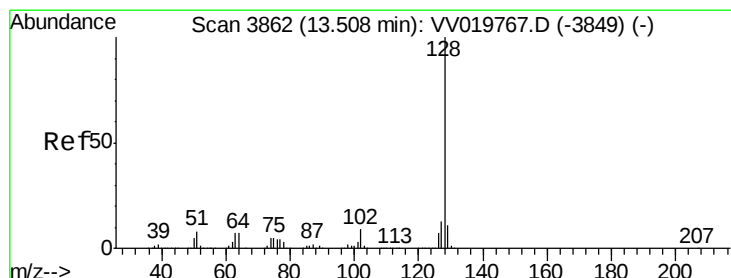
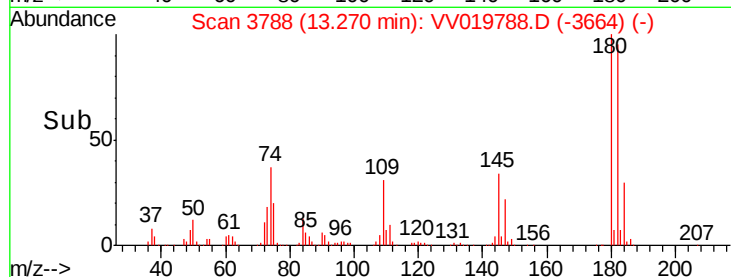
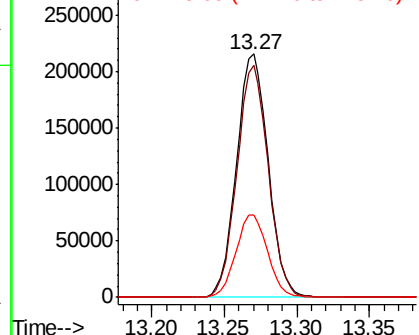


Abundance

Ion 180.00 (179.70 to 180.70): V

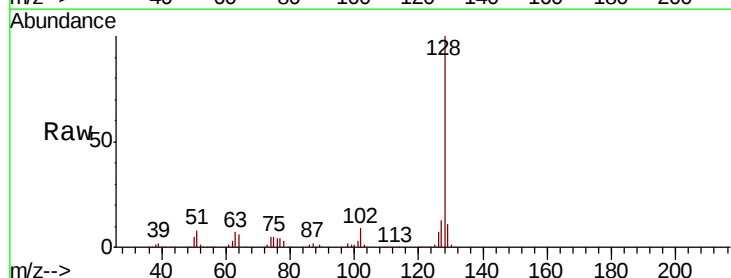
Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#69
Naphthalene
Concen: 43.631 ug/L
RT: 13.51 min Scan# 3863
Delta R.T. 0.00 min
Lab File: VV019788.D
Acq: 22 Dec 2020 09:53

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.3	15.5
129	10.8	8.6	12.8

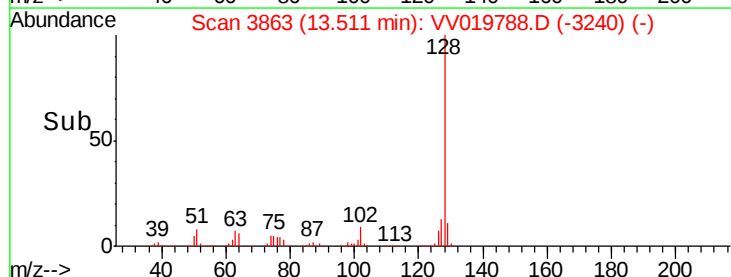
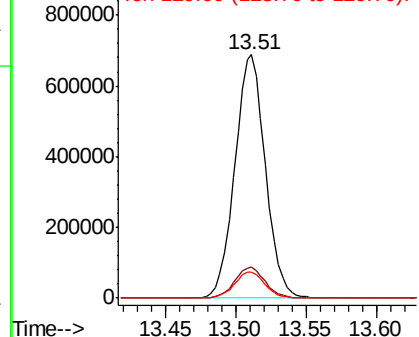


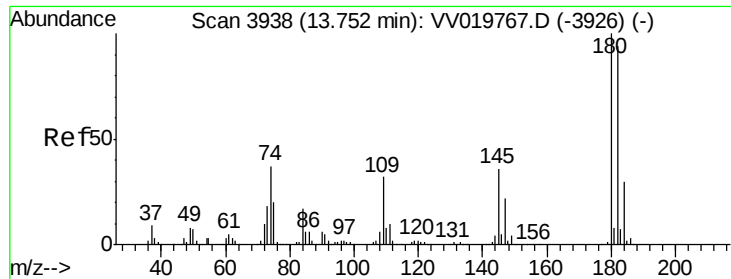
Abundance

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: 46.525 ug/L
 RT: 13.75 min Scan# 3938
 Delta R.T. -0.00 min
 Lab File: VV019788.D
 Acq: 22 Dec 2020 09:53

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05069

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.8	75.8	113.6
145	35.9	29.1	43.7

