

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV122420\
 Data File : VV019826.D
 Acq On : 24 Dec 2020 09:08
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05073

Quant Time: Dec 25 05:30:07 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM121020WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Dec 24 09:41:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.62	114	665567	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.86	117	627304	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.25	152	312374	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	245741	51.49	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	102.98%
7) Chloroethane-d5	1.57	69	198449	52.72	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	105.44%
11) 1,1-Dichloroethene-d2	2.11	63	462043	52.16	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	104.32%
21) 2-Butanone-d5	3.89	46	350767	135.22	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	135.22%#
24) Chloroform-d	4.35	84	457202	53.15	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.30%
26) 1,2-Dichloroethane-d4	5.03	65	302397	53.80	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	107.60%
32) Benzene-d6	5.05	84	879034	52.54	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.08%
36) 1,2-Dichloropropane-d6	6.07	67	282440	53.89	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	107.78%
41) Toluene-d8	7.32	98	789393	52.40	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	104.80%
43) trans-1,3-Dichloropropene-	7.62	79	138902	46.60	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.20%
47) 2-Hexanone-d5	8.09	63	233060	113.31	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	113.31%
57) 1,1,2,2-Tetrachloroethane-	10.22	84	365769	51.60	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	103.20%
64) 1,2-Dichlorobenzene-d4	11.63	152	292363	50.07	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.14%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.13	85	224157	41.733	ug/L	99
3) Chloromethane	1.24	50	251374	44.029	ug/L	99
5) Vinyl chloride	1.31	62	253464	44.260	ug/L	99
6) Bromomethane	1.52	94	150896	43.876	ug/L	99
8) Chloroethane	1.59	64	160059	46.337	ug/L	100
9) Trichlorofluoromethane	1.75	101	331512	47.381	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	195094	50.491	ug/L	97
12) 1,1-Dichloroethene	2.12	96	180209	45.449	ug/L #	67
13) Acetone	2.18	43	272873	123.475	ug/L	99
14) Carbon disulfide	2.30	76	510063	39.150	ug/L	99
15) Methyl Acetate	2.43	43	251106	52.153	ug/L	98
16) Methylene chloride	2.51	84	222274	47.812	ug/L	97
17) trans-1,2-Dichloroethene	2.76	96	198750	45.732	ug/L	99
18) Methyl tert-butyl Ether	2.77	73	701133	46.169	ug/L	99
19) 1,1-Dichloroethane	3.19	63	414857	49.238	ug/L	98
20) cis-1,2-Dichloroethene	3.91	96	224028	46.892	ug/L #	92
22) 2-Butanone	3.97	43	375744	115.911	ug/L	97

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 QLast Update : Thu Dec 24 09:41:07 2020
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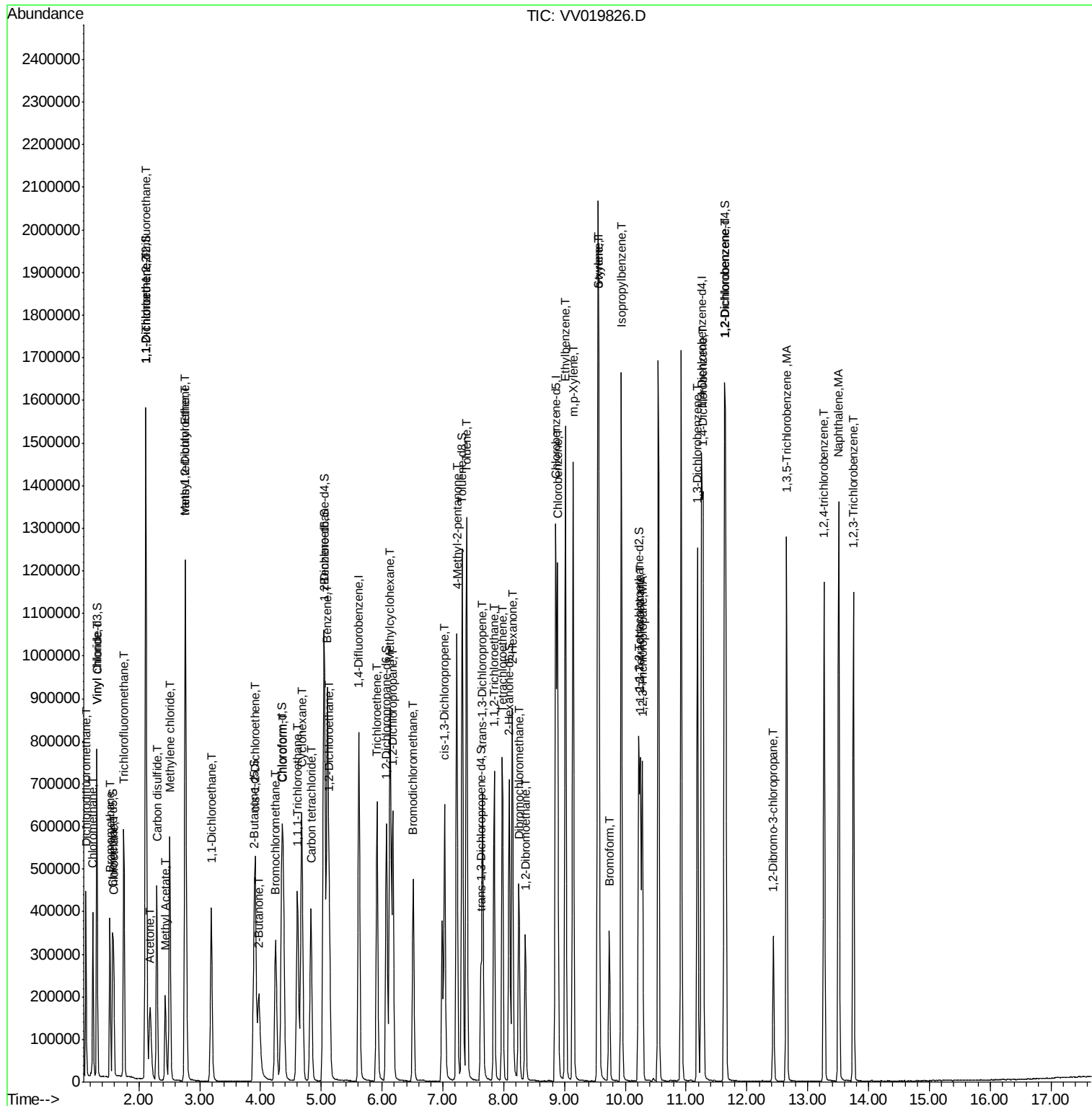
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.25	128	107722	45.826	ug/L	92
25) Chloroform	4.38	83	410373	48.767	ug/L	99
27) 1,2-Dichloroethane	5.13	62	338886	48.611	ug/L	98
29) Cyclohexane	4.68	56	348175	45.286	ug/L	99
30) 1,1,1-Trichloroethane	4.61	97	357291	45.424	ug/L	99
31) Carbon tetrachloride	4.83	117	293533	44.207	ug/L	99
33) Benzene	5.10	78	864398	47.149	ug/L	100
34) Trichloroethene	5.92	95	225785	46.621	ug/L	98
35) Methylcyclohexane	6.13	83	352428	47.901	ug/L	99
37) 1,2-Dichloropropane	6.18	63	237262	49.556	ug/L	100
38) Bromodichloromethane	6.51	83	308483	46.077	ug/L	99
39) cis-1,3-Dichloropropene	7.03	75	365586	45.975	ug/L	100
40) 4-Methyl-2-pentanone	7.23	43	702082	101.643	ug/L	96
42) Toluene	7.39	91	903163	46.741	ug/L	100
44) trans-1,3-Dichloropropene	7.65	75	362075	44.969	ug/L	97
45) 1,1,2-Trichloroethane	7.84	97	213866	47.039	ug/L	97
46) Tetrachloroethene	7.98	164	151824	45.305	ug/L	97
48) 2-Hexanone	8.14	43	556949	106.264	ug/L	97
49) Dibromochloromethane	8.25	129	222297	44.646	ug/L	99
50) 1,2-Dibromoethane	8.36	107	221144	46.189	ug/L	97
51) Chlorobenzene	8.88	112	572699	46.406	ug/L	99
52) Ethylbenzene	9.02	91	1029609	46.768	ug/L	100
53) m,p-Xylene	9.14	106	374096	45.484	ug/L	100
54) o-xylene	9.55	106	371279	46.055	ug/L	100
55) Styrene	9.57	104	651453	46.365	ug/L	99
56) Isopropylbenzene	9.94	105	1012853	47.160	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.25	83	346764	47.427	ug/L	99
59) 1,2,3-Trichloropropane	10.28	75	294260	49.412	ug/L	99
61) Bromoform	9.74	173	141097	40.822	ug/L	97
62) 1,3-Dichlorobenzene	11.19	146	449907	46.944	ug/L	99
63) 1,4-Dichlorobenzene	11.28	146	454713	46.854	ug/L	99
65) 1,2-Dichlorobenzene	11.65	146	444969	46.986	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.43	75	84948	42.972	ug/L	90
67) 1,3,5-Trichlorobenzene	12.65	180	334813	49.446	ug/L	100
68) 1,2,4-trichlorobenzene	13.27	180	311142	49.144	ug/L	98
69) Naphthalene	13.51	128	971270	44.181	ug/L	100
70) 1,2,3-Trichlorobenzene	13.75	180	295633	47.782	ug/L	100

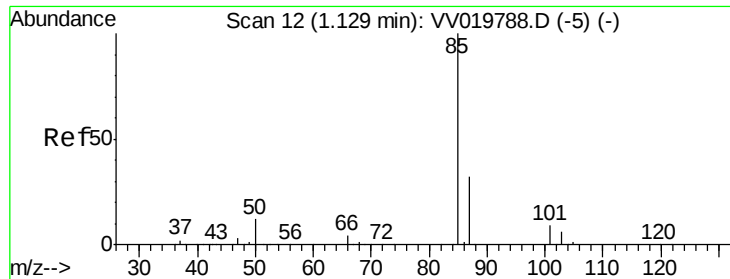
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Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 41.733 ug/L

RT: 1.13 min Scan# 12

Delta R.T. -0.00 min

Lab File: VV019826.D

Acq: 24 Dec 2020 09:08

Instrument :

MSVOA_V

ClientSampleId :

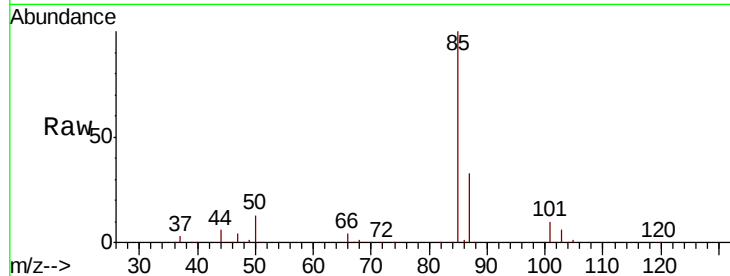
VSTD05073

Tot Ion: 85 Resp: 224157

Ion Ratio Lower Upper

85 100

87 32.5 25.7 38.5



Abundance Ion 85.00 (84.70 to 85.70): VV019788.D (-5) (-)

Ion 87.00 (86.70 to 87.70): VV019788.D (-5) (-)

1.13

250000

200000

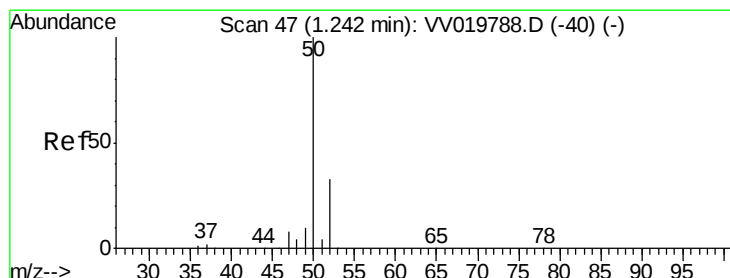
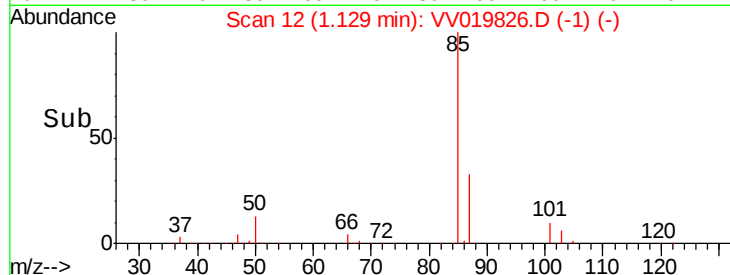
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 44.029 ug/L

RT: 1.24 min Scan# 47

Delta R.T. -0.00 min

Lab File: VV019826.D

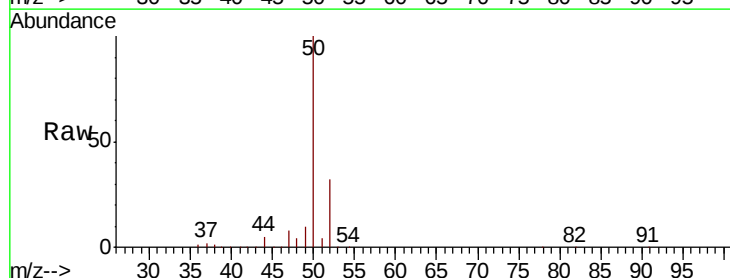
Acq: 24 Dec 2020 09:08

Tgt Ion: 50 Resp: 251374

Ion Ratio Lower Upper

50 100

52 32.4 23.2 43.0



Abundance Ion 50.00 (49.70 to 50.70): VV019788.D (-40) (-)

Ion 52.00 (51.70 to 52.70): VV019788.D (-40) (-)

1.24

250000

200000

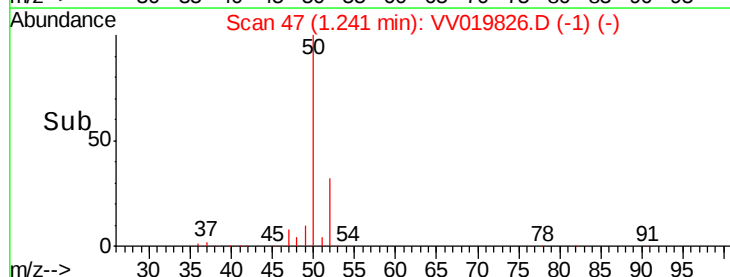
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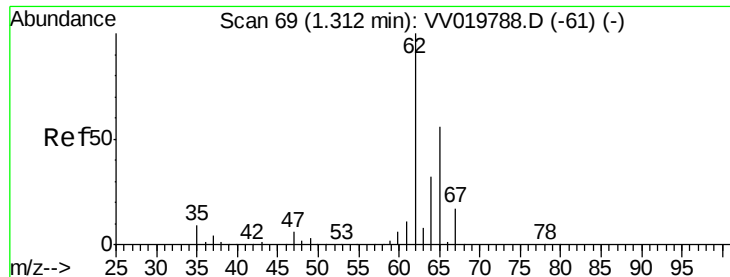
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 44.260 ug/L

RT: 1.31 min Scan# 69

Delta R.T. -0.00 min

Lab File: VV019826.D

Acq: 24 Dec 2020 09:08

Instrument :

MSVOA_V

ClientSampleId :

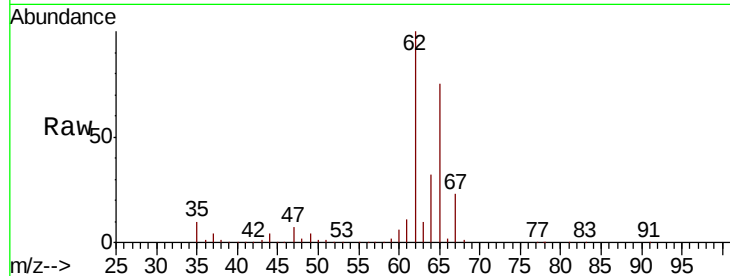
VSTD05073

Tot Ion: 62 Resp: 253464

Ion Ratio Lower Upper

62 100

64 32.5 22.5 41.7



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0

300000

250000

200000

150000

100000

50000

0

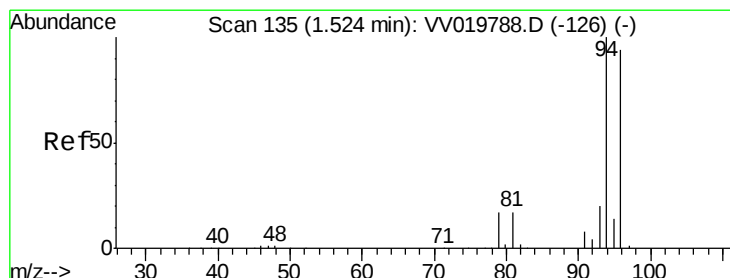
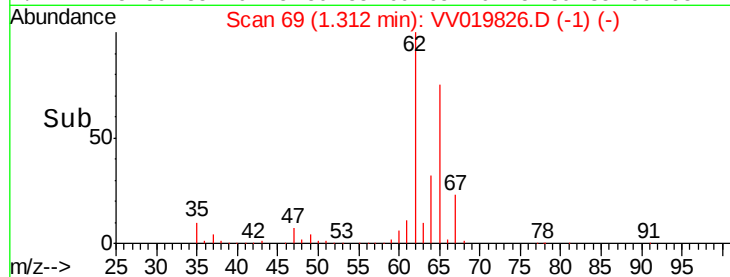
1.25

1.30

1.35

1.40

Time-->



#6

Bromomethane

Concen: 43.876 ug/L

RT: 1.52 min Scan# 135

Delta R.T. -0.00 min

Lab File: VV019826.D

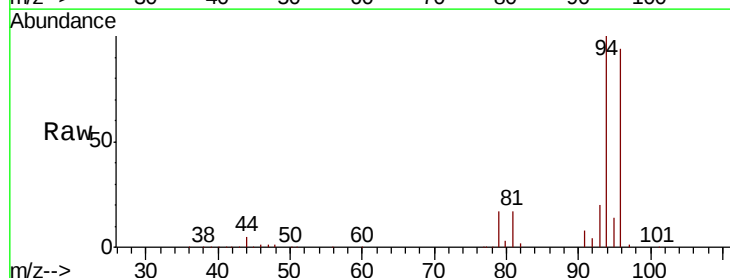
Acq: 24 Dec 2020 09:08

Tgt Ion: 94 Resp: 150896

Ion Ratio Lower Upper

94 100

96 94.4 65.2 121.2



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

150000

100000

50000

0

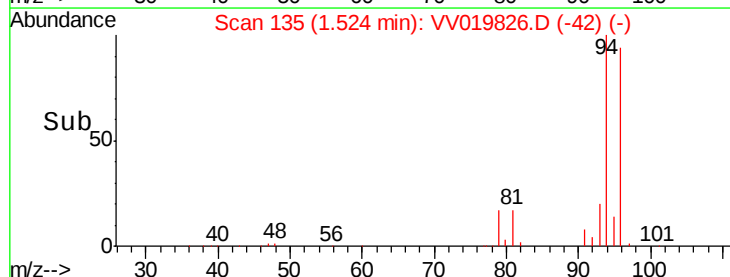
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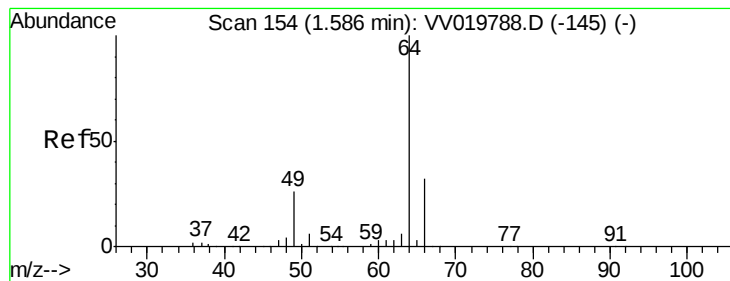
1.50

1.55

1.60

Time-->





#8

Chloroethane

Concen: 46.337 ug/L

RT: 1.59 min Scan# 154

Delta R.T. -0.00 min

Lab File: VV019826.D

Acq: 24 Dec 2020 09:08

Instrument :

MSVOA_V

ClientSampleId :

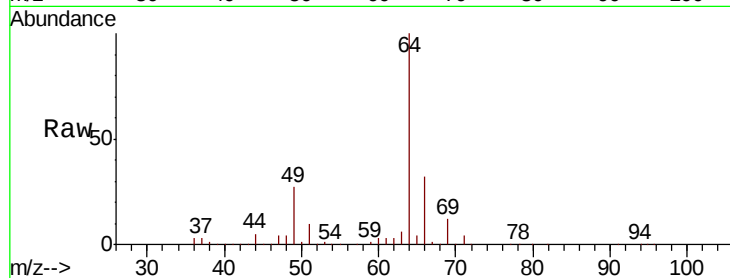
VSTD05073

Tot Ion: 64 Resp: 160059

Ion Ratio Lower Upper

64 100

66 32.1 22.5 41.7



Abundance Ion 64.00 (63.70 to 64.70): VV019788.D (-145) (-)

Ion 66.00 (65.70 to 66.70): VV019788.D (-145) (-)

1.59

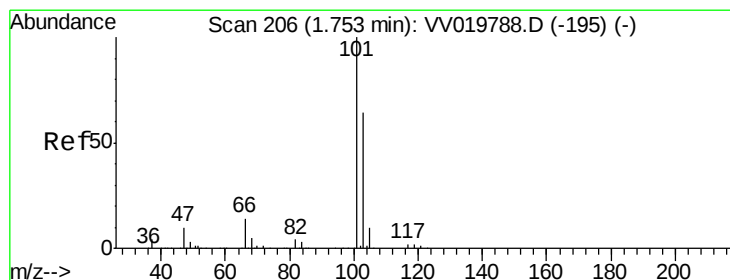
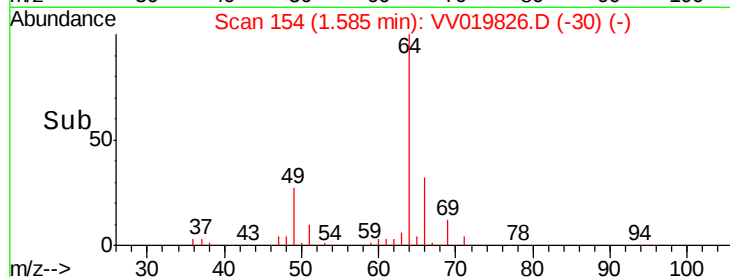
150000

100000

50000

0

Time-->



#9

Trichlorofluoromethane

Concen: 47.381 ug/L

RT: 1.75 min Scan# 206

Delta R.T. -0.00 min

Lab File: VV019826.D

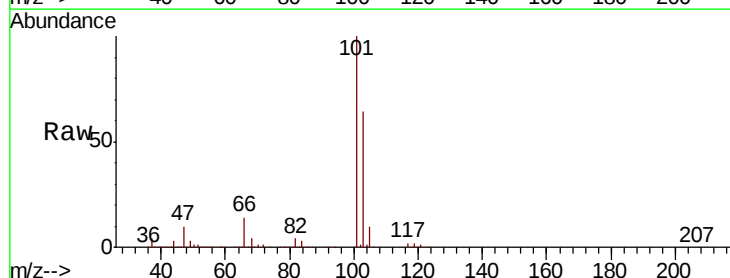
Acq: 24 Dec 2020 09:08

Tgt Ion: 101 Resp: 331512

Ion Ratio Lower Upper

101 100

103 64.1 51.6 77.4



Abundance Ion 101.00 (100.70 to 101.70): VV019788.D (-195) (-)

Ion 103.00 (102.70 to 103.70): VV019788.D (-195) (-)

1.75

300000

250000

200000

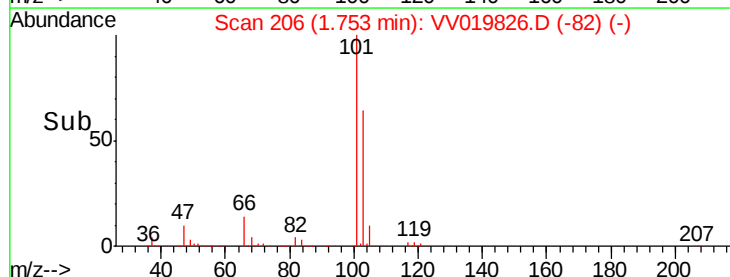
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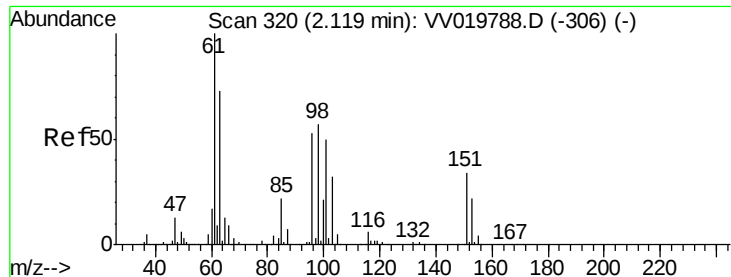
100000

50000

0

Time-->





#10

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

Concen: 50.491 ug/L

RT: 2.12 min Scan# 320

Delta R.T. -0.00 min

Lab File: VV019826.D

Acq: 24 Dec 2020 09:08

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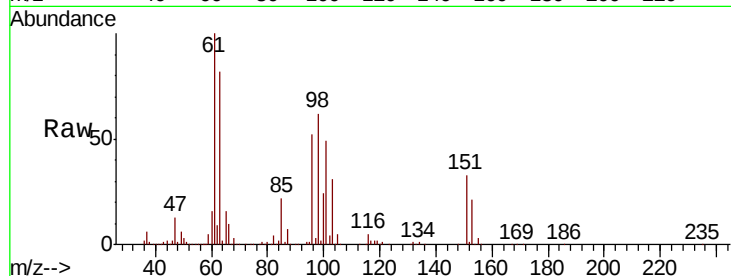
Tot Ion:101 Resp: 195094

Ion Ratio Lower Upper

101 100

85 45.0 35.0 52.4

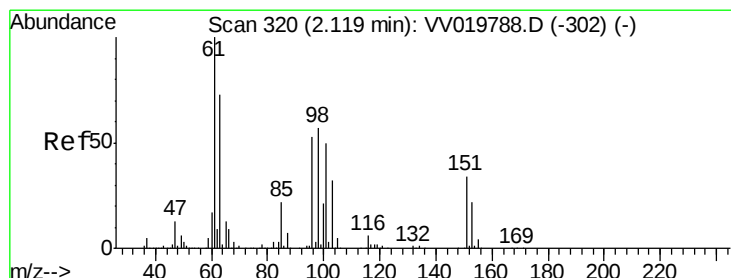
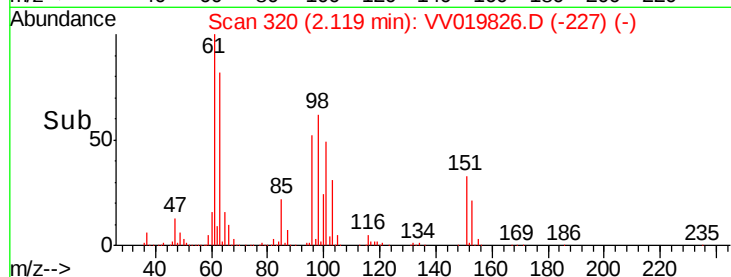
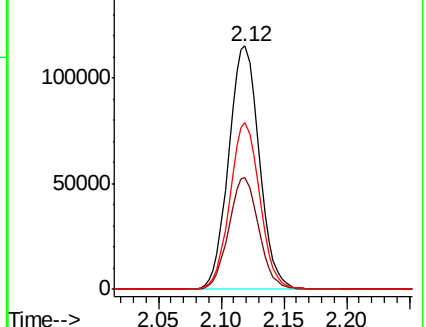
151 67.4 55.8 83.8



Abundance Ion 101.00 (100.70 to 101.70): VV019788.D (-306) (-)

Ion 85.00 (84.70 to 85.70): VV019788.D (-306) (-)

Ion 151.00 (150.70 to 151.70): VV019788.D (-306) (-)



#12

1,1-Dichloroethene

Concen: 45.449 ug/L

RT: 2.12 min Scan# 320

Delta R.T. -0.00 min

Lab File: VV019826.D

Acq: 24 Dec 2020 09:08

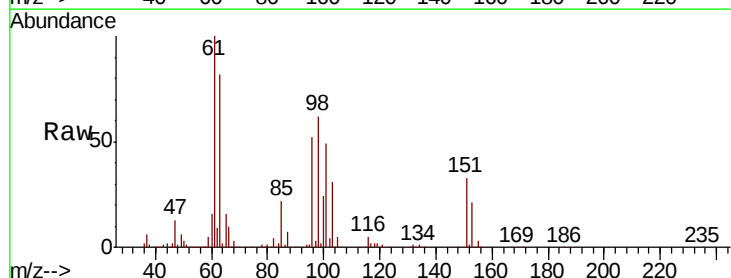
Tgt Ion: 96 Resp: 180209

Ion Ratio Lower Upper

96 100

61 191.0 120.7 224.1

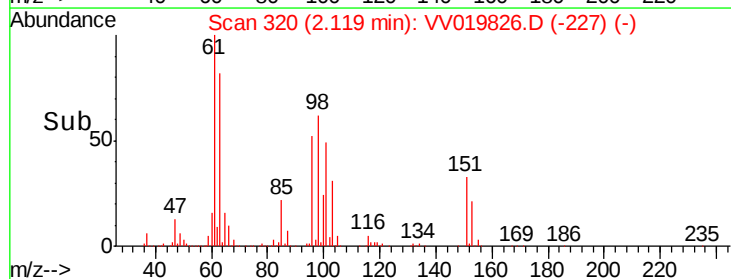
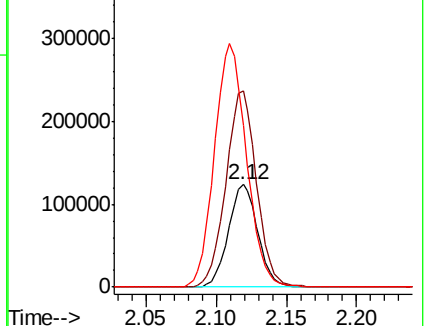
63 157.2 64.3 119.5#

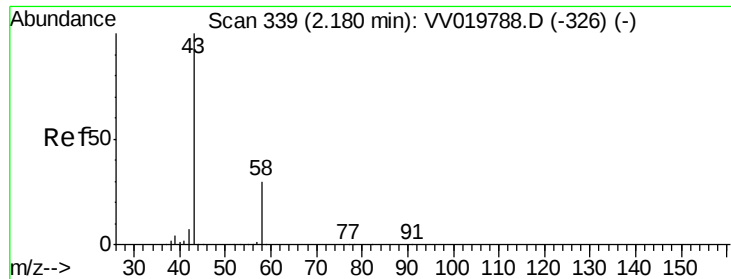


Abundance Ion 96.00 (95.70 to 96.70): VV019826.D (-227) (-)

Ion 61.00 (60.70 to 61.70): VV019826.D (-227) (-)

Ion 63.00 (62.70 to 63.70): VV019826.D (-227) (-)





#13

Acetone

Concen: 123.475 ug/L

RT: 2.18 min Scan# 340

Delta R.T. 0.00 min

Lab File: VV019826.D

Acq: 24 Dec 2020 09:08

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MSVOA_V

ClientSampleId :

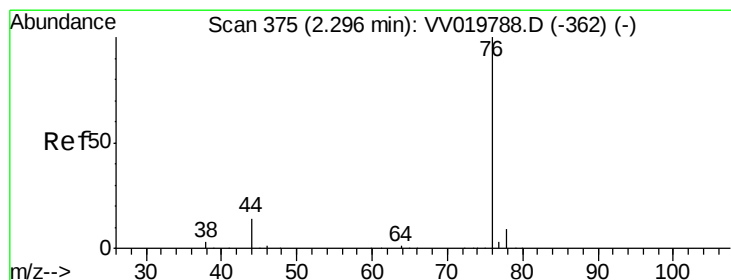
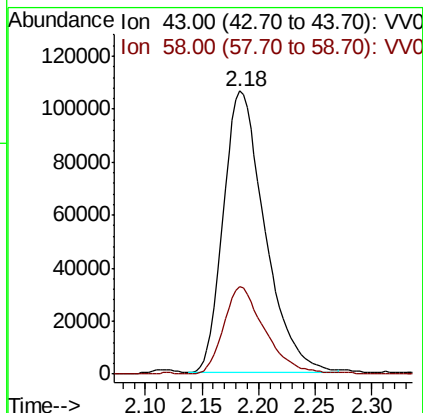
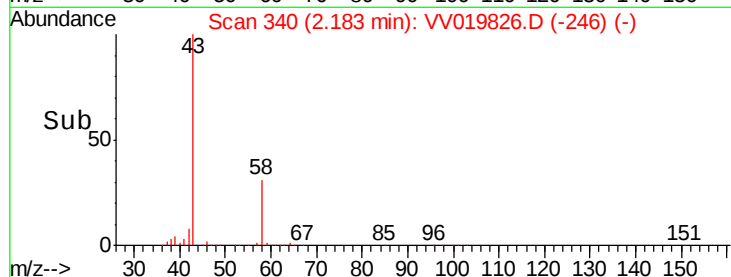
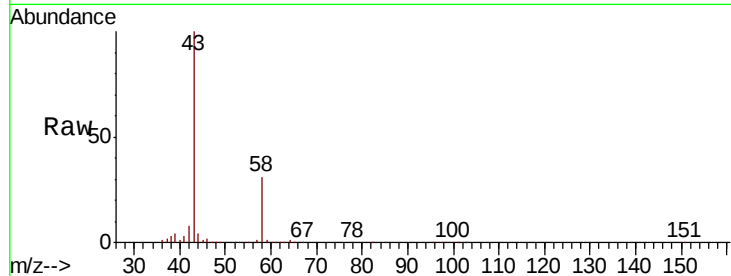
VSTD05073

Tot Ion: 43 Resp: 272873

Ion Ratio Lower Upper

43 100

58 30.4 0.0 61.6



#14

Carbon disulfide

Concen: 39.150 ug/L

RT: 2.30 min Scan# 375

Delta R.T. -0.00 min

Lab File: VV019826.D

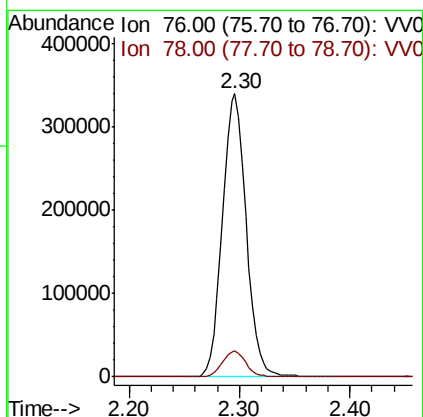
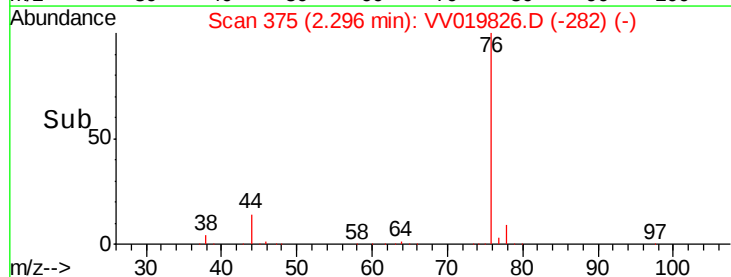
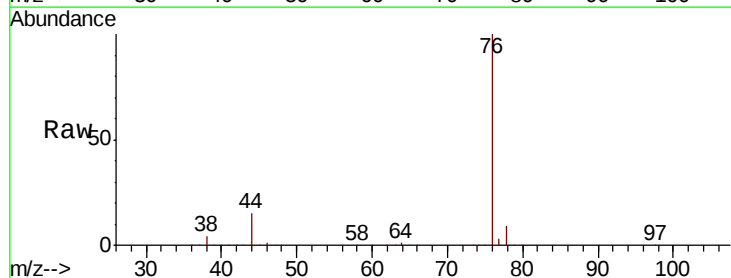
Acq: 24 Dec 2020 09:08

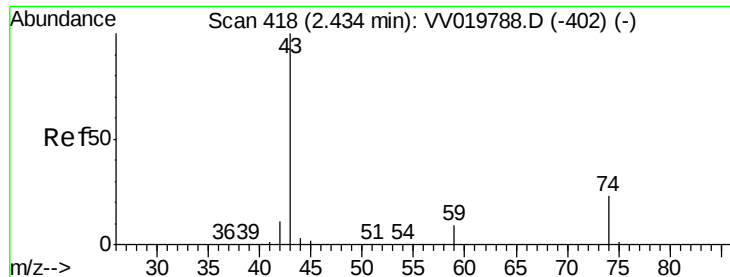
Tgt Ion: 76 Resp: 510063

Ion Ratio Lower Upper

76 100

78 9.3 7.2 10.8

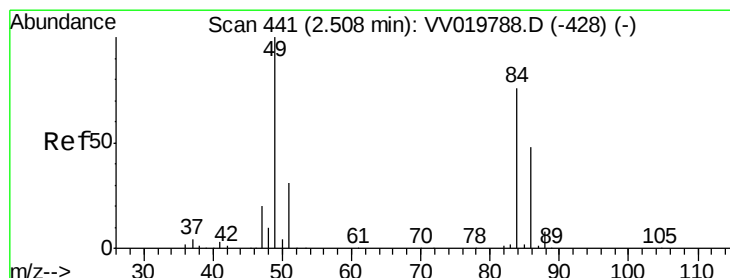
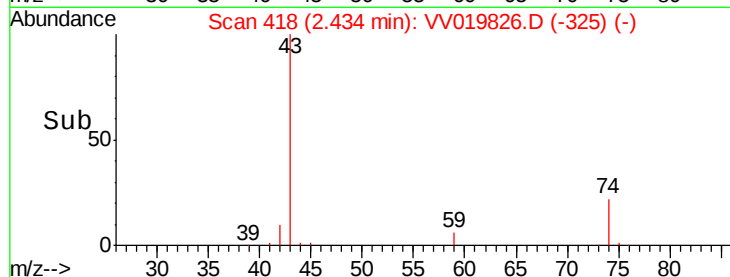
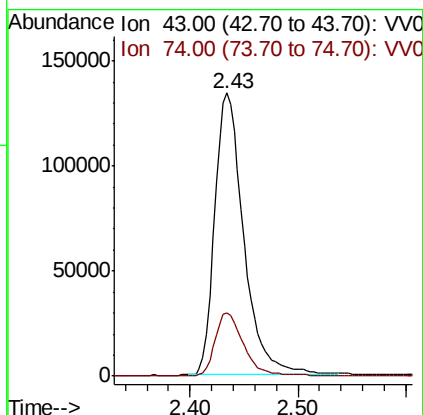
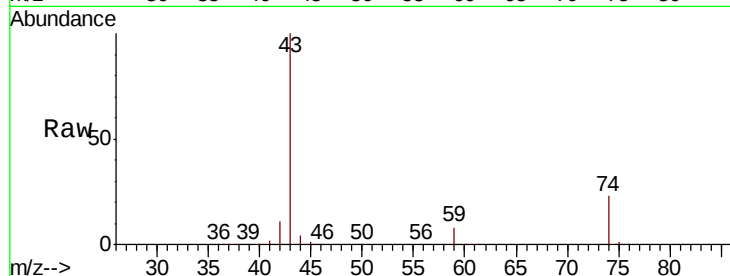




#15
Methyl Acetate
Concen: 52.153 ug/L
RT: 2.43 min Scan# 418
Delta R.T. -0.00 min
Lab File: VV019826.D
Acq: 24 Dec 2020 09:08

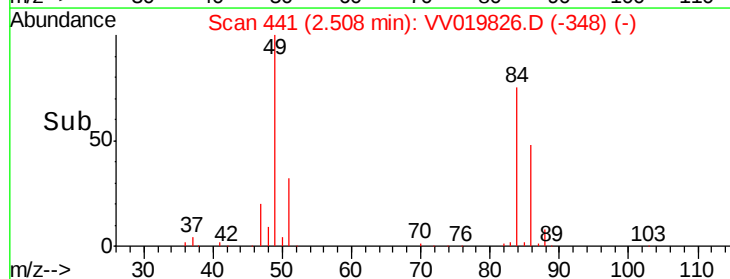
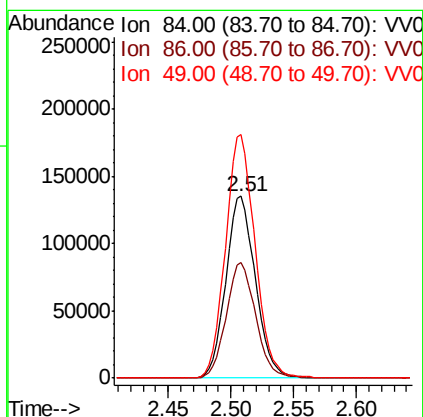
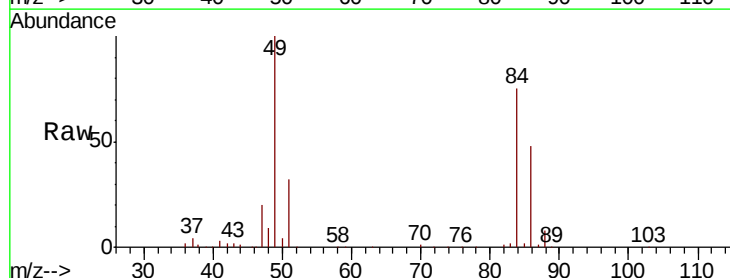
Instrument :
MSVOA_V
ClientSampled :
VSTD05073

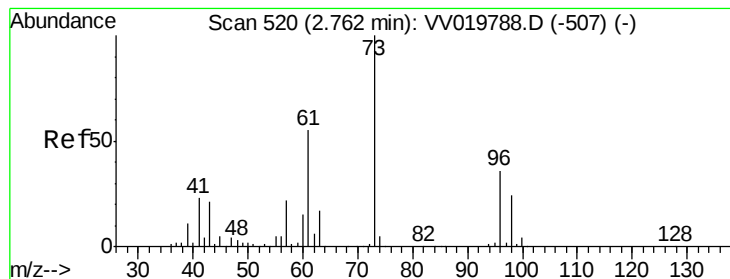
Tot Ion: 43 Resp: 251106
Ion Ratio Lower Upper
43 100
74 22.0 18.2 27.4



#16
Methylene chloride
Concen: 47.812 ug/L
RT: 2.51 min Scan# 441
Delta R.T. -0.00 min
Lab File: VV019826.D
Acq: 24 Dec 2020 09:08

Tgt Ion: 84 Resp: 222274
Ion Ratio Lower Upper
84 100
86 63.9 45.7 84.9
49 134.0 90.6 168.3





#17

trans-1,2-Dichloroethene

Concen: 45.732 ug/L

RT: 2.76 min Scan# 519

Delta R.T. -0.00 min

Lab File: VV019826.D

Acq: 24 Dec 2020 09:08

Instrument :

MSVOA_V

ClientSampleId :

VSTD05073

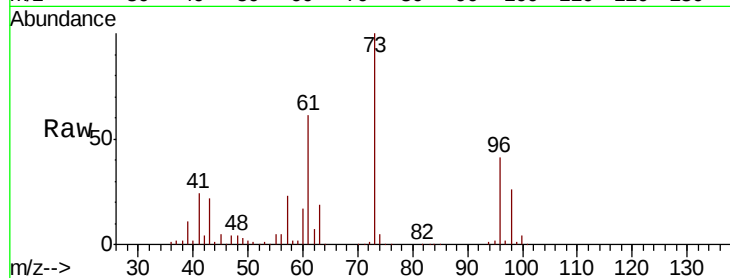
Tot Ion: 96 Resp: 198750

Ion Ratio Lower Upper

96 100

61 149.1 103.5 192.1

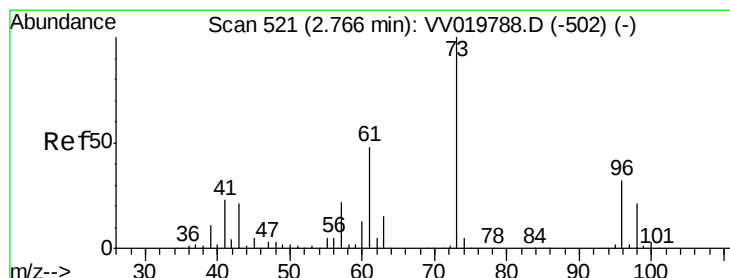
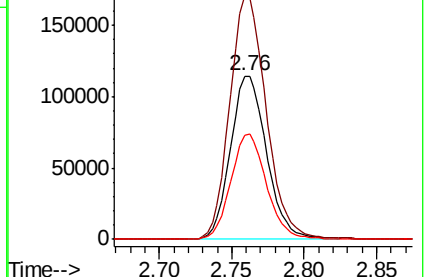
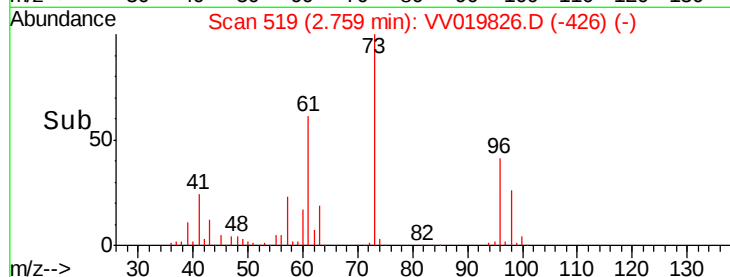
98 63.5 44.4 82.5



Abundance Ion 96.00 (95.70 to 96.70): VV019826.D (-426) (-)

Ion 61.00 (60.70 to 61.70): VV019826.D (-426) (-)

Ion 98.00 (97.70 to 98.70): VV019826.D (-426) (-)



#18

Methyl tert-butyl Ether

Concen: 46.169 ug/L

RT: 2.77 min Scan# 522

Delta R.T. 0.00 min

Lab File: VV019826.D

Acq: 24 Dec 2020 09:08

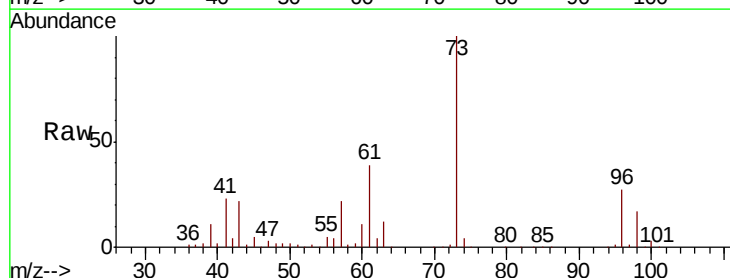
Tgt Ion: 73 Resp: 701133

Ion Ratio Lower Upper

73 100

43 21.8 17.3 25.9

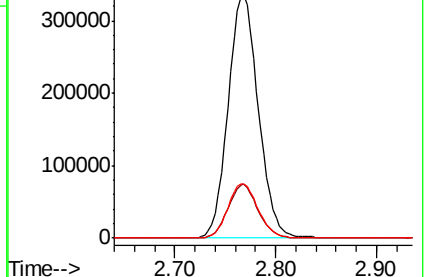
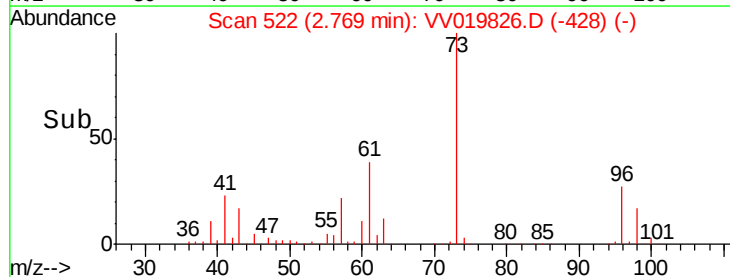
57 22.5 17.5 26.3

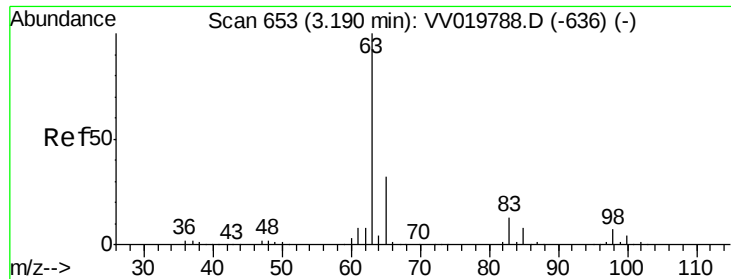


Abundance Ion 73.00 (72.70 to 73.70): VV019826.D (-428) (-)

Ion 43.00 (42.70 to 43.70): VV019826.D (-428) (-)

Ion 57.00 (56.70 to 57.70): VV019826.D (-428) (-)





#19

1,1-Dichloroethane

Concen: 49.238 ug/L

RT: 3.19 min Scan# 653

Delta R.T. -0.00 min

Lab File: VV019826.D

Acq: 24 Dec 2020 09:08

Instrument :

MSVOA_V

ClientSampleId :

VSTD05073

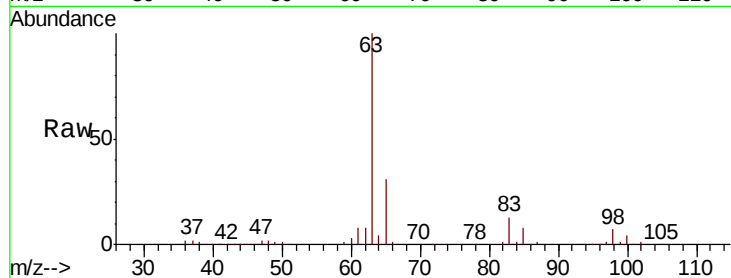
Tot Ion: 63 Resp: 414857

Ion Ratio Lower Upper

63 100

65 30.7 22.4 41.6

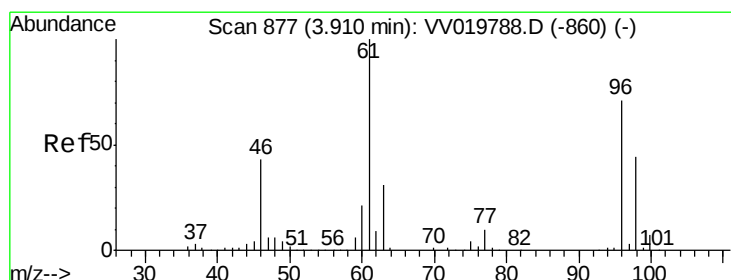
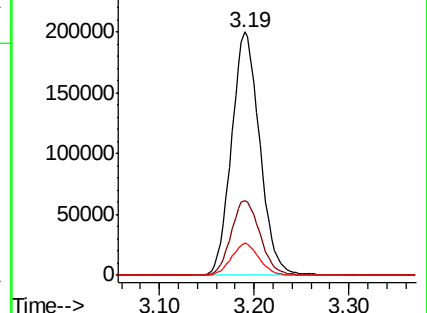
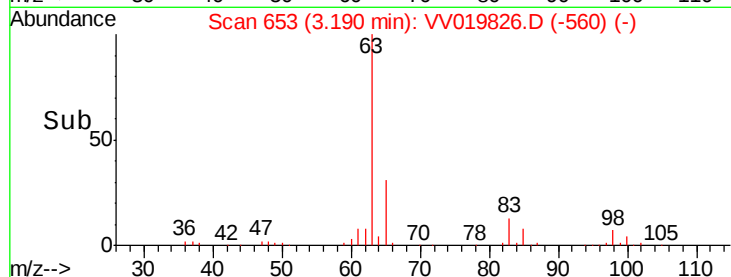
83 13.1 9.6 17.8



Abundance Ion 63.00 (62.70 to 63.70): VV019788.D (-636) (-)

Ion 65.00 (64.70 to 65.70): VV019788.D (-636) (-)

Ion 83.00 (82.70 to 83.70): VV019788.D (-636) (-)



#20

cis-1,2-Dichloroethene

Concen: 46.892 ug/L

RT: 3.91 min Scan# 877

Delta R.T. -0.00 min

Lab File: VV019826.D

Acq: 24 Dec 2020 09:08

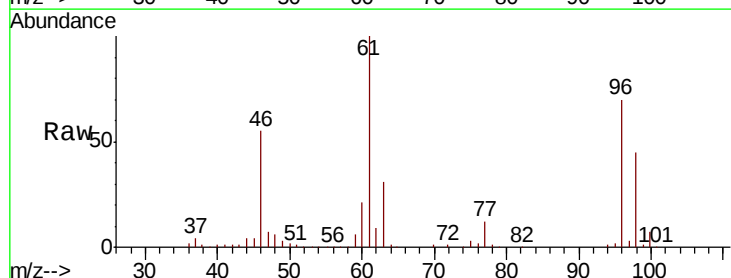
Tgt Ion: 96 Resp: 224028

Ion Ratio Lower Upper

96 100

61 143.5 94.1 174.8

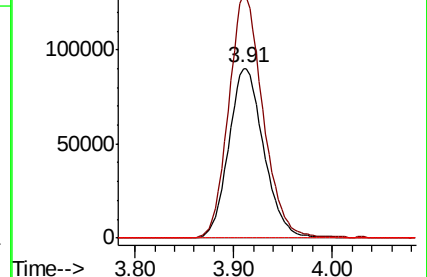
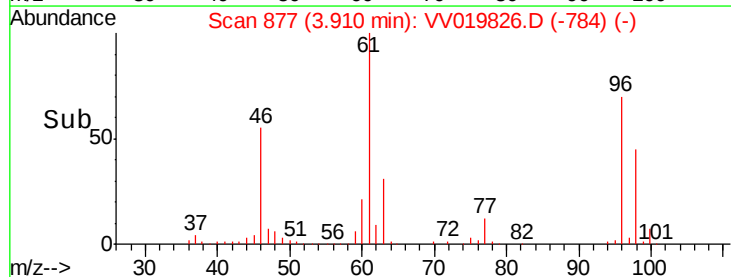
68 0.0 0.1 0.1#

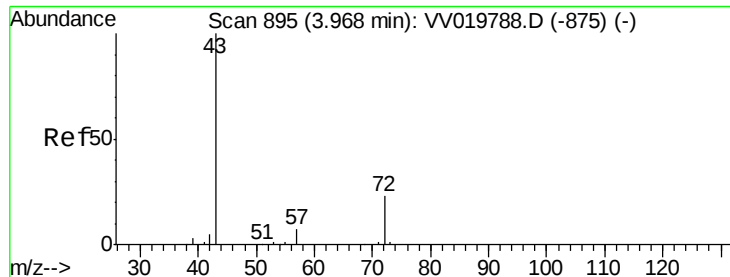


Abundance Ion 96.00 (95.70 to 96.70): VV019788.D (-860) (-)

Ion 61.00 (60.70 to 61.70): VV019788.D (-860) (-)

Ion 68.00 (67.70 to 68.70): VV019788.D (-860) (-)





#22

2-Butanone

Concen: 115.911 ug/L

RT: 3.97 min Scan# 896

Delta R.T. -0.00 min

Lab File: VV019826.D

Acq: 24 Dec 2020 09:08

Instrument :

MSVOA_V

ClientSampled :

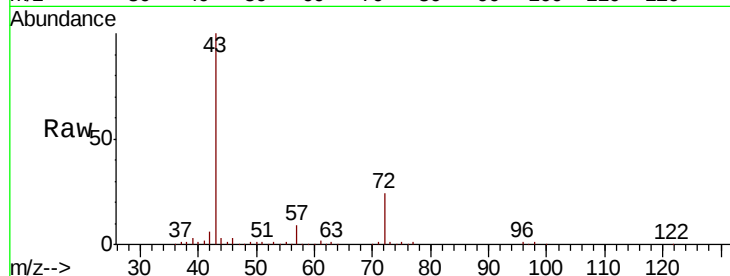
VSTD05073

Tot Ion: 43 Resp: 375744

Ion Ratio Lower Upper

43 100

72 23.0 12.3 36.9



Abundance Ion 43.00 (42.70 to 43.70): VV019788.D (-875) (-)

Ion 72.00 (71.70 to 72.70): VV019788.D (-875) (-)

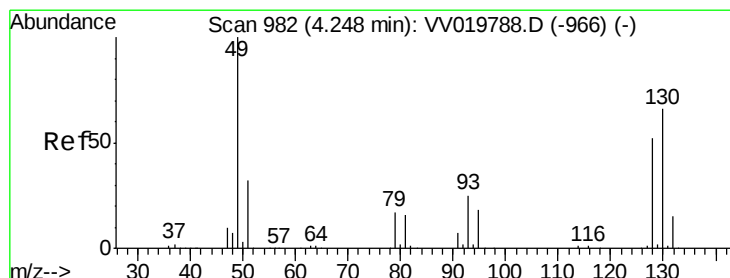
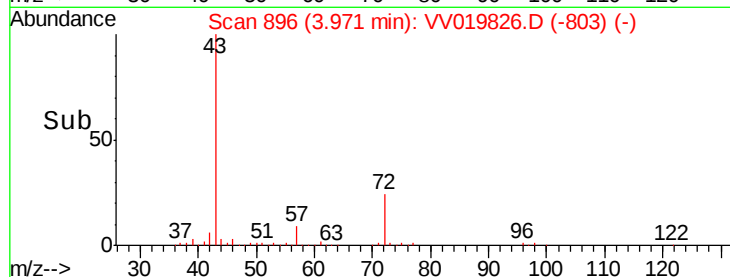
3.97

100000

50000

0

Time-->



#23

Bromochloromethane

Concen: 45.826 ug/L

RT: 4.25 min Scan# 982

Delta R.T. -0.00 min

Lab File: VV019826.D

Acq: 24 Dec 2020 09:08

Tgt Ion:128 Resp: 107722

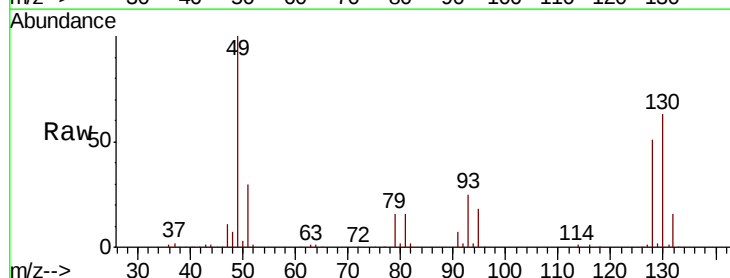
Ion Ratio Lower Upper

128 100

49 198.0 127.0 235.8

130 124.9 90.3 167.7

51 59.4 44.5 66.7



Abundance Ion 128.00 (127.70 to 128.70): VV019826.D (-889) (-)

Ion 49.00 (48.70 to 49.70): VV019826.D (-889) (-)

Ion 130.00 (129.70 to 130.70): VV019826.D (-889) (-)

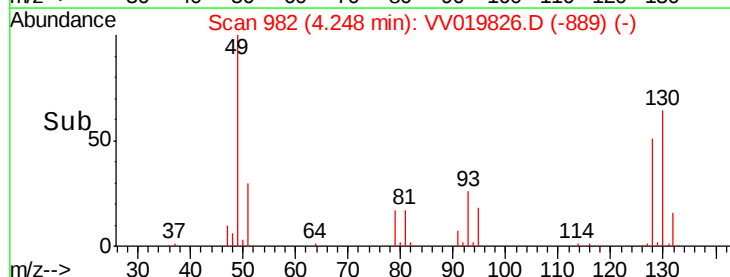
Ion 51.00 (50.70 to 51.70): VV019826.D (-889) (-)

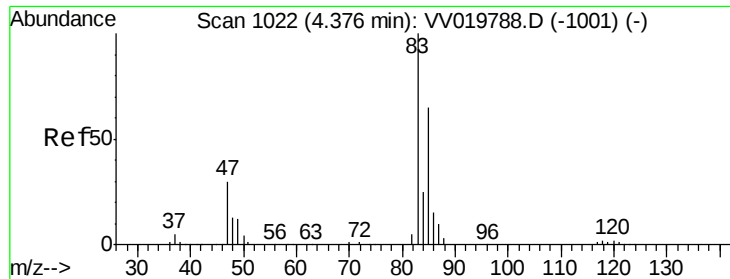
100000

50000

0

Time-->

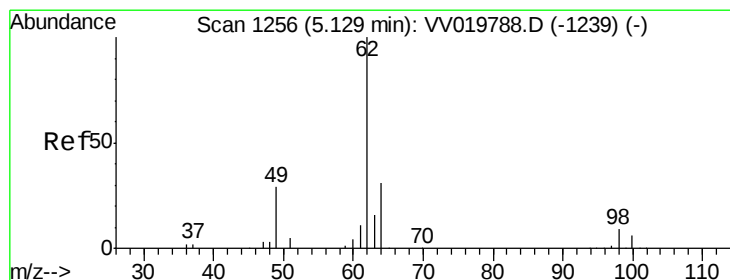
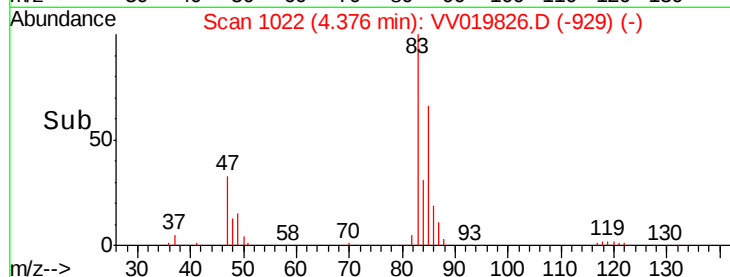
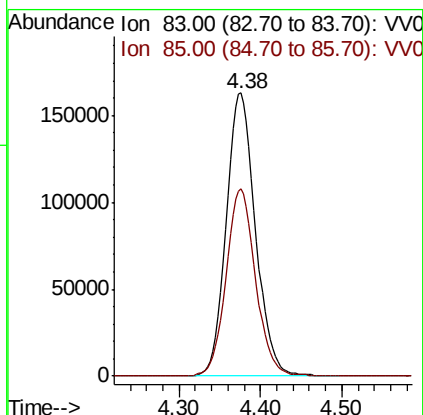
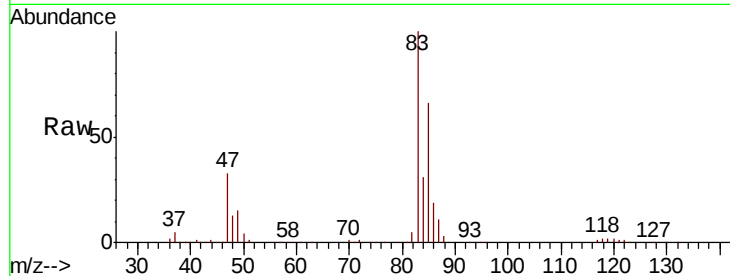




#25
Chloroform
Concen: 48.767 ug/L
RT: 4.38 min Scan# 1022
Delta R.T. -0.00 min
Lab File: VV019826.D
Acq: 24 Dec 2020 09:08

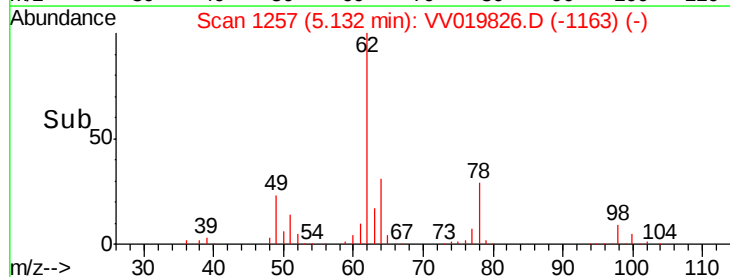
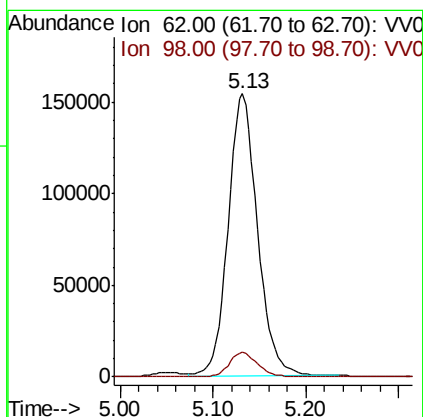
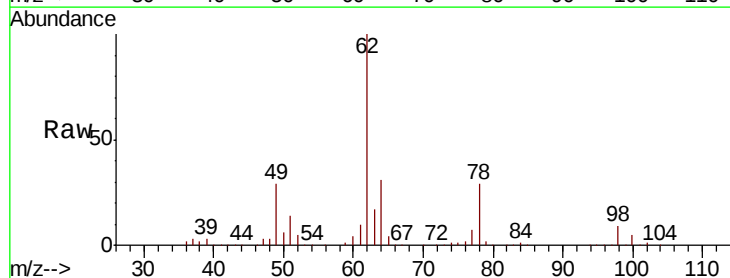
Instrument :
MSVOA_V
ClientSampleId :
VSTD05073

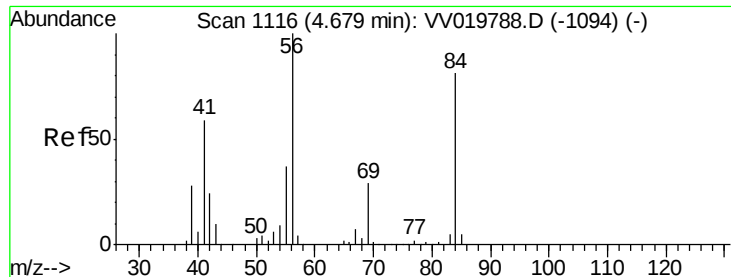
Tot Ion: 83 Resp: 410373
Ion Ratio Lower Upper
83 100
85 66.1 45.6 84.6



#27
1,2-Dichloroethane
Concen: 48.611 ug/L
RT: 5.13 min Scan# 1257
Delta R.T. 0.00 min
Lab File: VV019826.D
Acq: 24 Dec 2020 09:08

Tgt Ion: 62 Resp: 338886
Ion Ratio Lower Upper
62 100
98 8.6 7.4 11.0

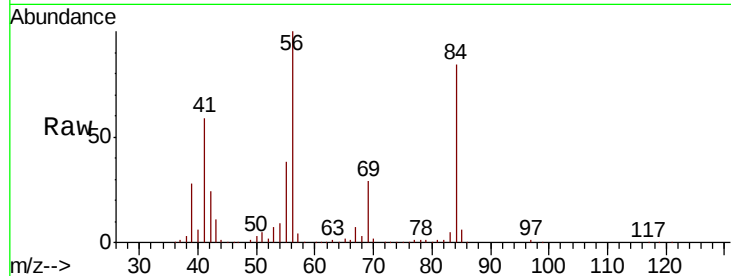




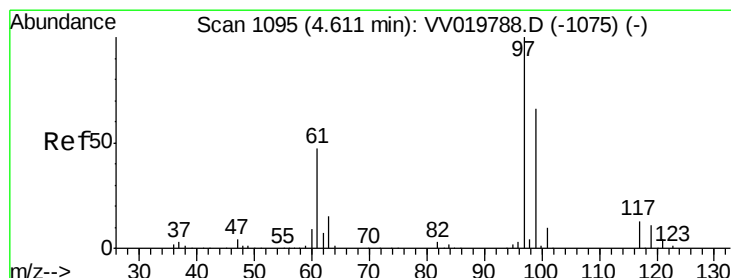
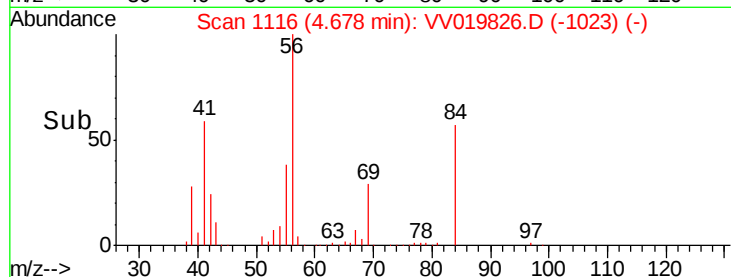
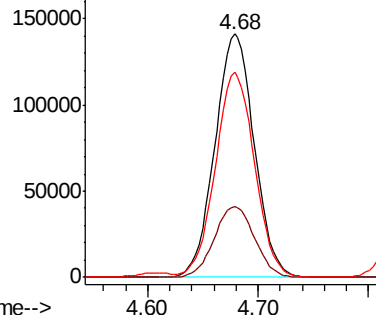
#29
Cyclohexane
Concen: 45.286 ug/L
RT: 4.68 min Scan# 1116
Delta R.T. -0.00 min
Lab File: VV019826.D
Acq: 24 Dec 2020 09:08

Instrument :
MSVOA_V
ClientSampled :
VSTD05073

Tot Ion: 56 Resp: 348175
Ion Ratio Lower Upper
56 100
69 29.8 24.6 37.0
84 84.2 68.2 102.4

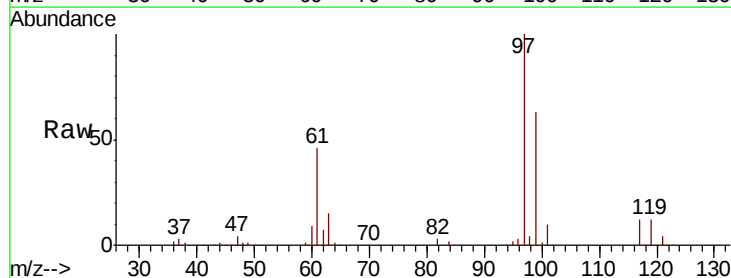


Abundance Ion 56.00 (55.70 to 56.70): VV0
Ion 69.00 (68.70 to 69.70): VV0
Ion 84.00 (83.70 to 84.70): VV0

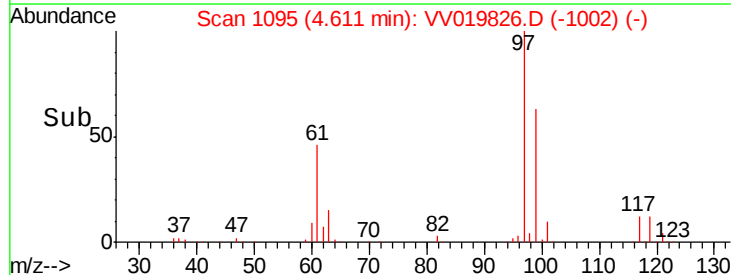
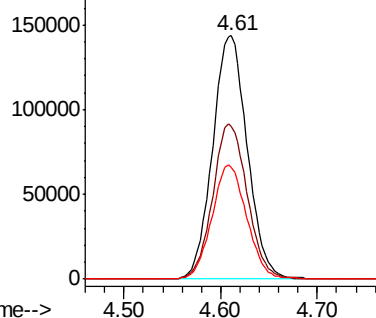


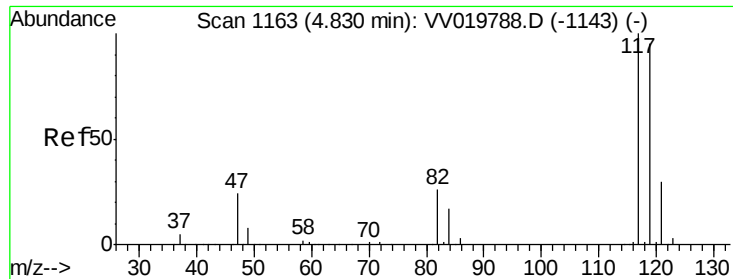
#30
1,1,1-Trichloroethane
Concen: 45.424 ug/L
RT: 4.61 min Scan# 1095
Delta R.T. -0.00 min
Lab File: VV019826.D
Acq: 24 Dec 2020 09:08

Tgt Ion: 97 Resp: 357291
Ion Ratio Lower Upper
97 100
99 63.6 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: 44.207 ug/L

RT: 4.83 min Scan# 1163

Delta R.T. -0.00 min

Lab File: VV019826.D

Acq: 24 Dec 2020 09:08

Instrument :

MSVOA_V

ClientSampled :

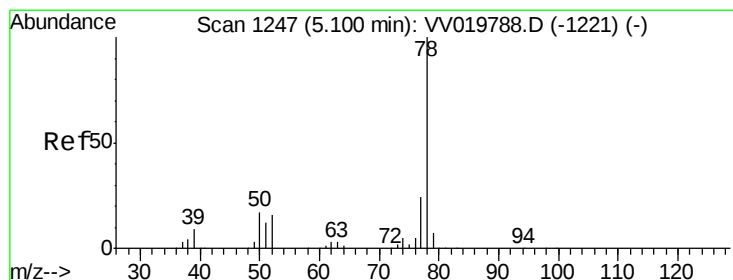
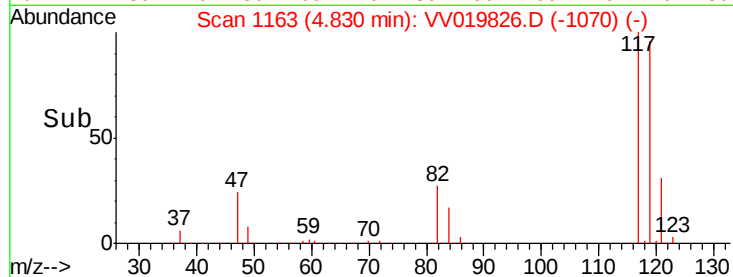
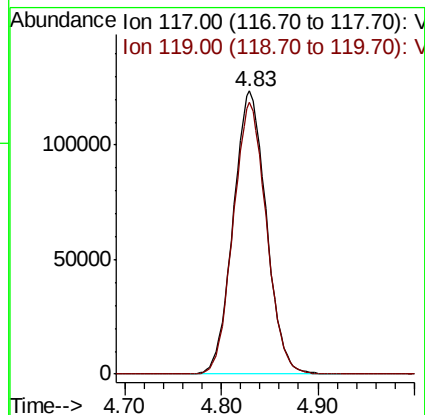
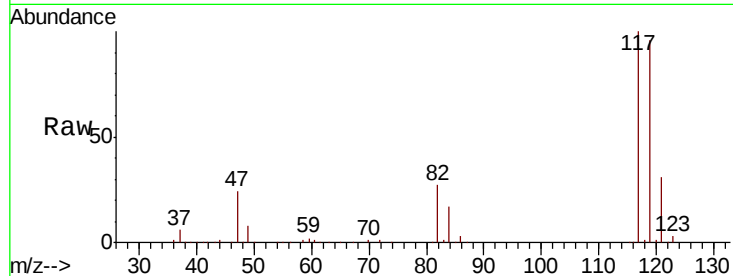
VSTD05073

Tot Ion:117 Resp: 293533

Ion Ratio Lower Upper

117 100

119 96.0 75.7 113.5



#33

Benzene

Concen: 47.149 ug/L

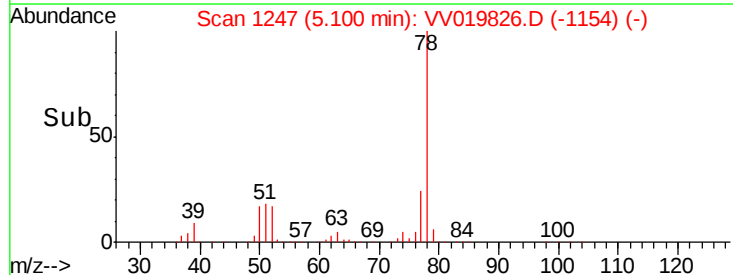
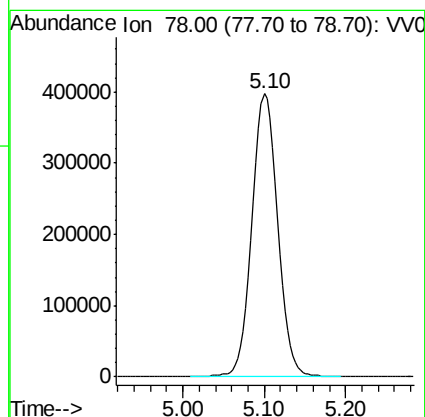
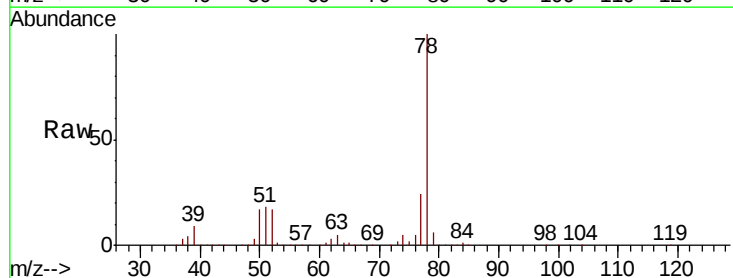
RT: 5.10 min Scan# 1247

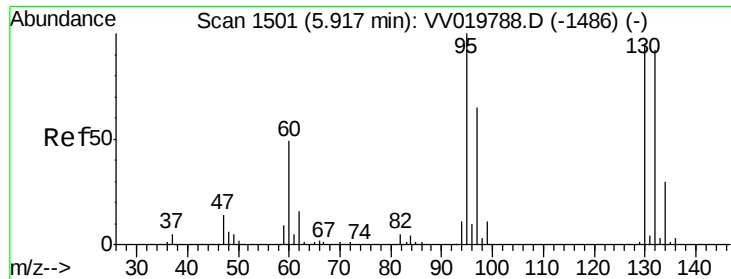
Delta R.T. -0.00 min

Lab File: VV019826.D

Acq: 24 Dec 2020 09:08

Tgt Ion: 78 Resp: 864398

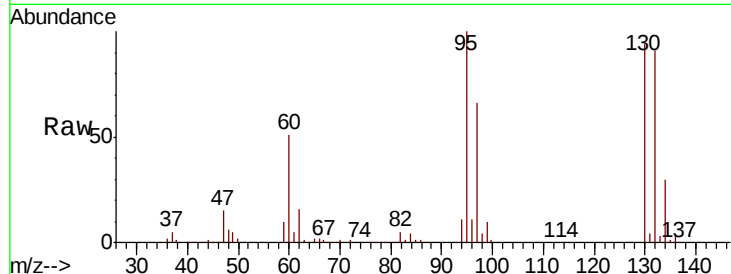




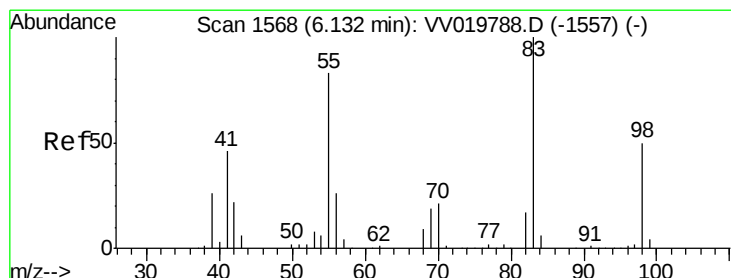
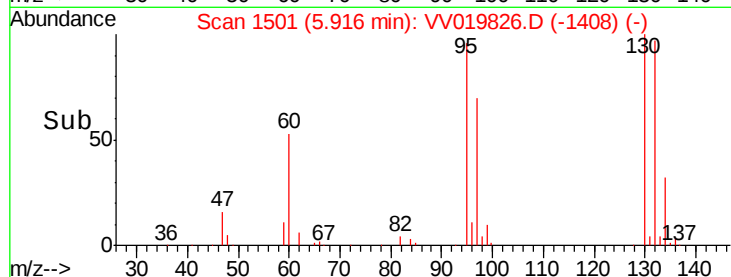
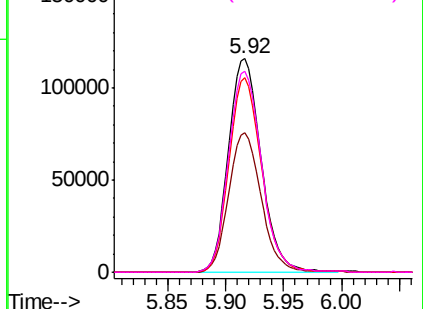
#34
 Trichloroethene
 Concen: 46.621 ug/L
 RT: 5.92 min Scan# 1501
 Delta R.T. -0.00 min
 Lab File: VV019826.D
 Acq: 24 Dec 2020 09:08

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05073

Tot Ion: 95 Resp: 225785
 Ion Ratio Lower Upper
 95 100
 97 65.6 44.4 82.4
 132 91.1 64.3 119.3
 130 94.3 67.8 125.8

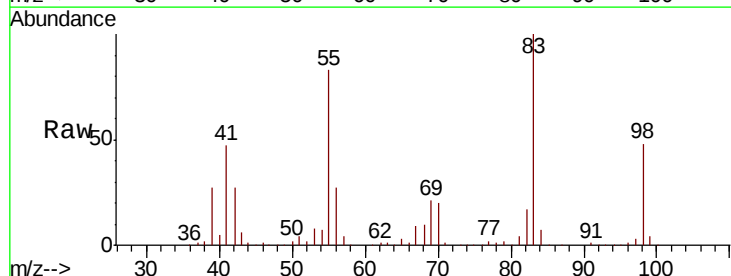


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 97.00 (96.70 to 97.70): VV0
 Ion 132.00 (131.70 to 132.70): VV0
 Ion 130.00 (129.70 to 130.70): VV0

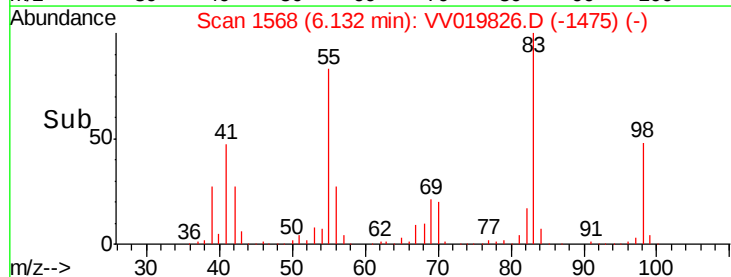
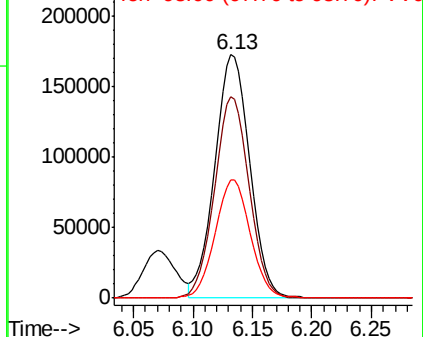


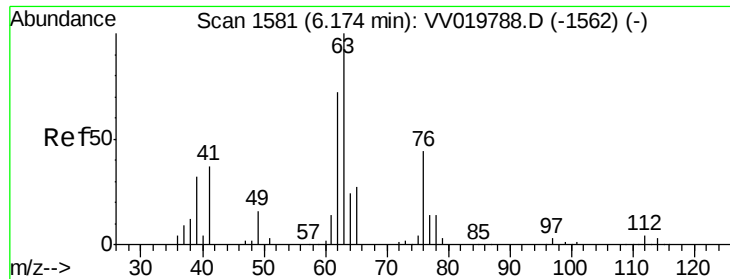
#35
 Methylcyclohexane
 Concen: 47.901 ug/L
 RT: 6.13 min Scan# 1568
 Delta R.T. -0.00 min
 Lab File: VV019826.D
 Acq: 24 Dec 2020 09:08

Tgt Ion: 83 Resp: 352428
 Ion Ratio Lower Upper
 83 100
 55 81.3 64.2 96.4
 98 48.4 39.3 58.9



Abundance Ion 83.00 (82.70 to 83.70): VV0
 Ion 55.00 (54.70 to 55.70): VV0
 Ion 98.00 (97.70 to 98.70): VV0

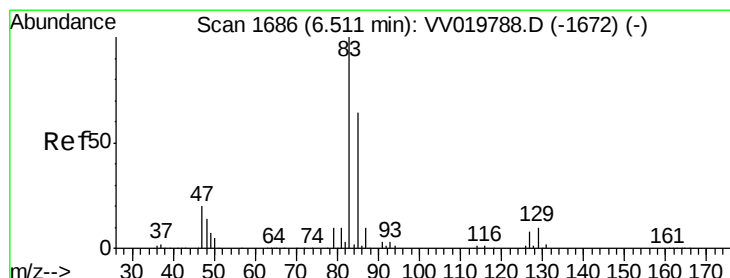
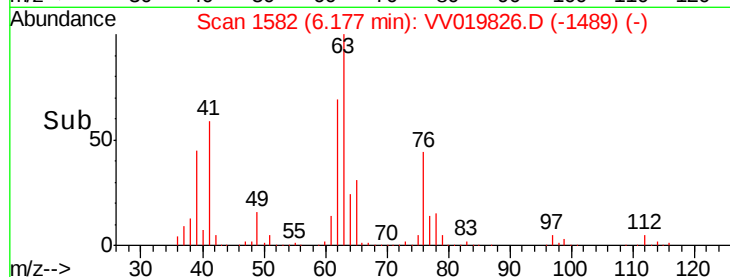
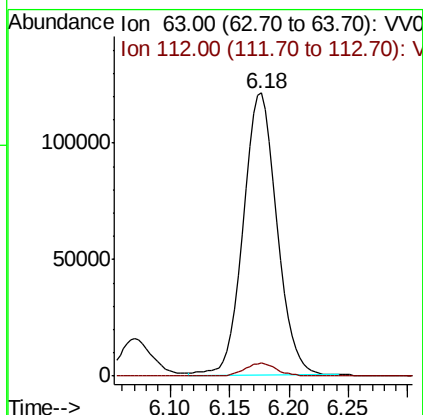
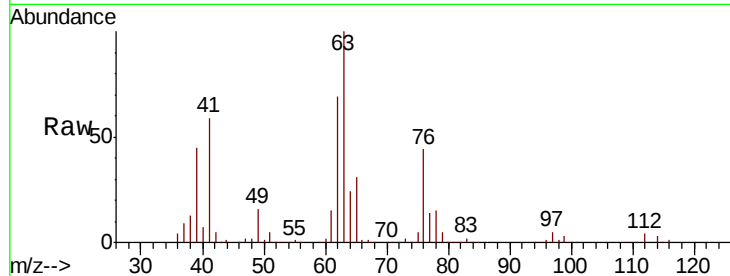




#37
 1,2-Dichloropropane
 Concen: 49.556 ug/L
 RT: 6.18 min Scan# 1582
 Delta R.T. -0.00 min
 Lab File: VV019826.D
 Acq: 24 Dec 2020 09:08

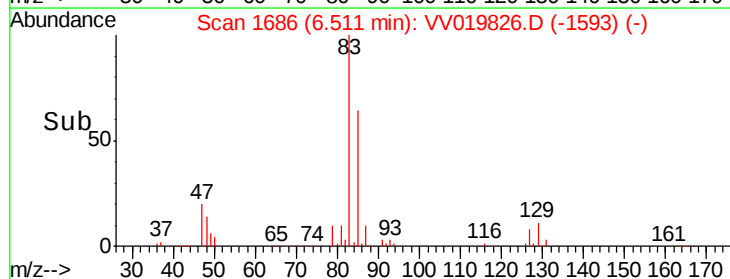
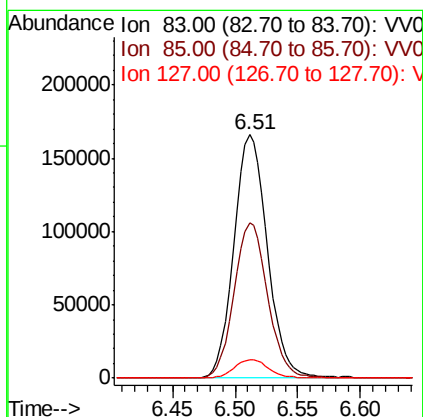
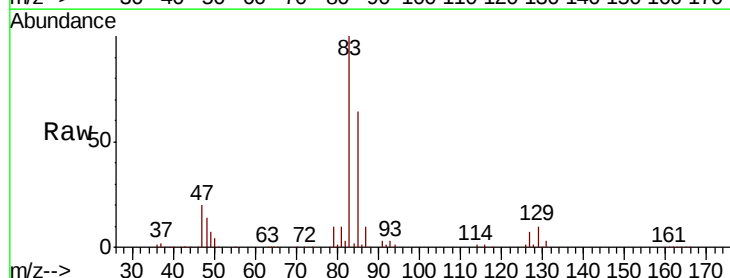
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05073

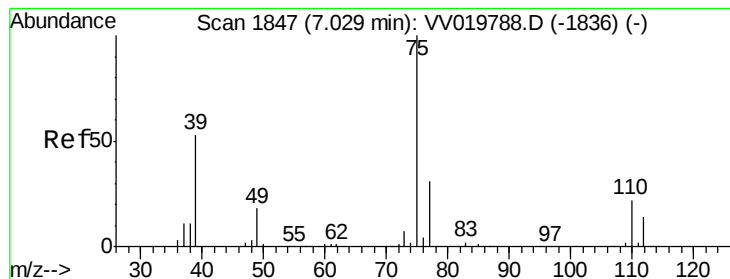
Tot Ion: 63 Resp: 237262
 Ion Ratio Lower Upper
 63 100
 112 4.5 3.5 5.3



#38
 Bromodichloromethane
 Concen: 46.077 ug/L
 RT: 6.51 min Scan# 1686
 Delta R.T. -0.00 min
 Lab File: VV019826.D
 Acq: 24 Dec 2020 09:08

Tgt Ion: 83 Resp: 308483
 Ion Ratio Lower Upper
 83 100
 85 63.6 44.9 83.5
 127 7.5 6.7 10.1



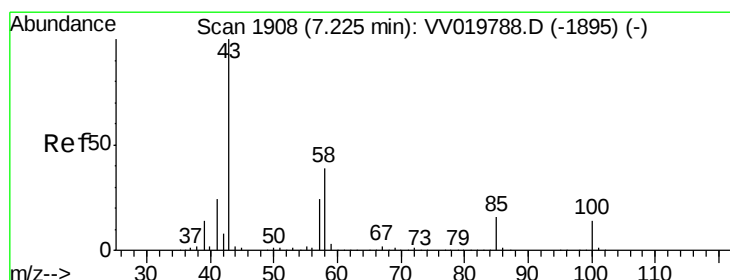
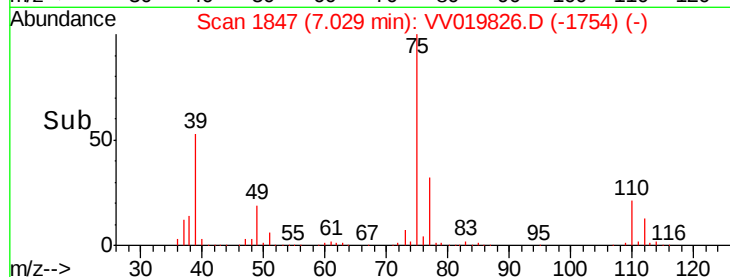
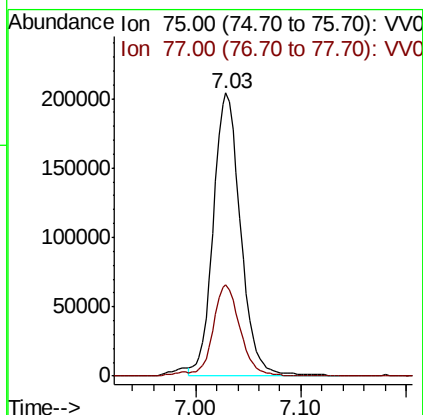
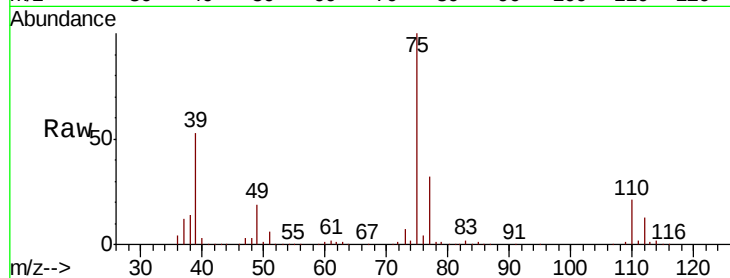


#39

cis-1,3-Dichloropropene
Concen: 45.975 ug/L
RT: 7.03 min Scan# 1847
Delta R.T. -0.00 min
Lab File: VV019826.D
Acq: 24 Dec 2020 09:08

Instrument :
MSVOA_V
ClientSampleId :
VSTD05073

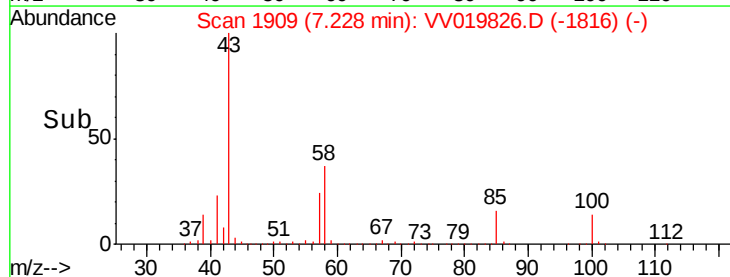
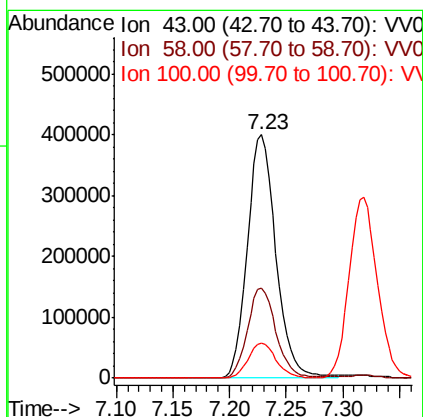
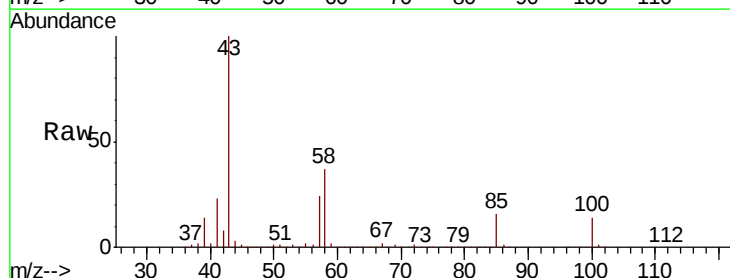
Tot Ion: 75 Resp: 365586
Ion Ratio Lower Upper
75 100
77 32.1 22.4 41.6

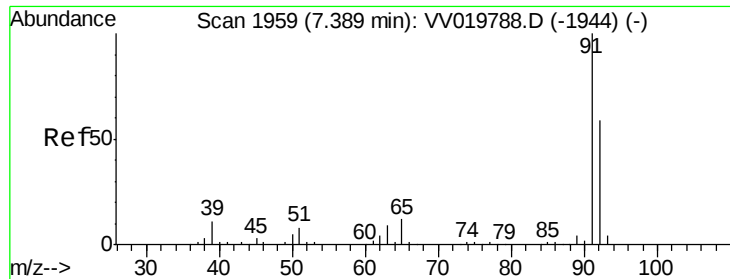


#40

4-Methyl-2-pentanone
Concen: 101.643 ug/L
RT: 7.23 min Scan# 1909
Delta R.T. -0.00 min
Lab File: VV019826.D
Acq: 24 Dec 2020 09:08

Tgt Ion: 43 Resp: 702082
Ion Ratio Lower Upper
43 100
58 37.1 31.7 47.5
100 14.2 12.5 18.7





#42

Toluene

Concen: 46.741 ug/L

RT: 7.39 min Scan# 1959

Delta R.T. -0.00 min

Lab File: VV019826.D

Acq: 24 Dec 2020 09:08

Instrument :

MSVOA_V

ClientSampleId :

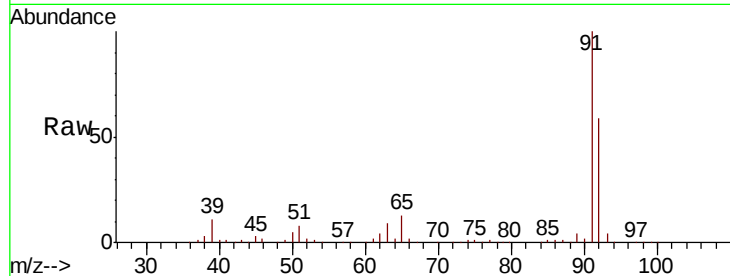
VSTD05073

Tot Ion: 91 Resp: 903163

Ion Ratio Lower Upper

91 100

92 58.8 41.4 76.8



Abundance Ion 91.00 (90.70 to 91.70): VV019788.D (-1944) (-)

Ion 92.00 (91.70 to 92.70): VV019788.D (-1944) (-)

7.39

600000

500000

400000

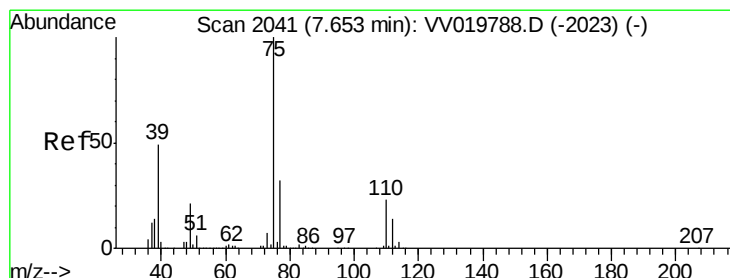
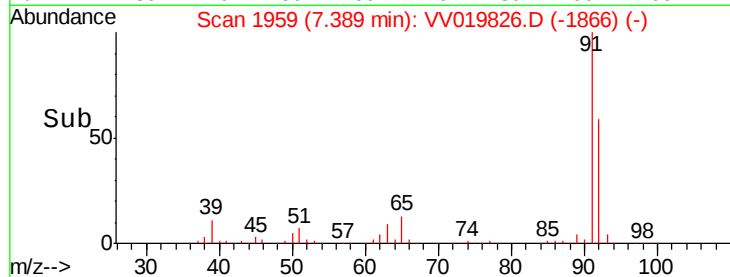
300000

200000

100000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 44.969 ug/L

RT: 7.65 min Scan# 2041

Delta R.T. -0.00 min

Lab File: VV019826.D

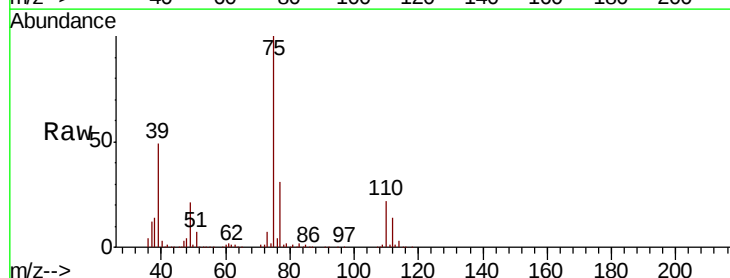
Acq: 24 Dec 2020 09:08

Tgt Ion: 75 Resp: 362075

Ion Ratio Lower Upper

75 100

77 30.7 22.5 41.9



Abundance Ion 75.00 (74.70 to 75.70): VV019788.D (-2023) (-)

Ion 77.00 (76.70 to 77.70): VV019788.D (-2023) (-)

7.65

250000

200000

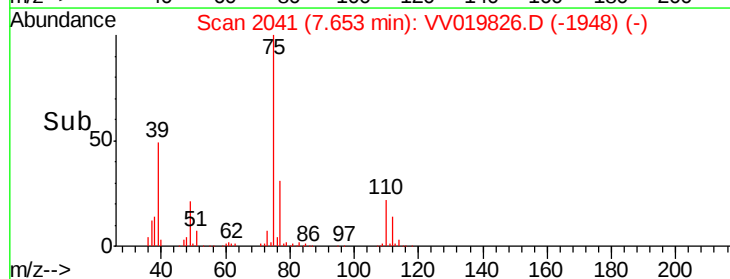
150000

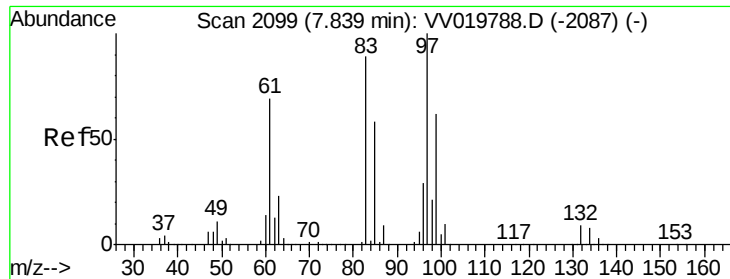
100000

50000

0

Time-->

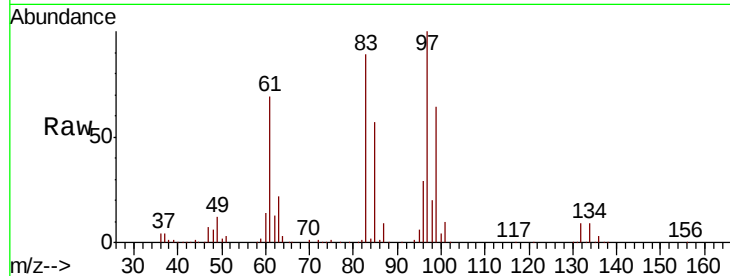




#45
1,1,2-Trichloroethane
Concen: 47.039 ug/L
RT: 7.84 min Scan# 2100
Delta R.T. -0.00 min
Lab File: VV019826.D
Acq: 24 Dec 2020 09:08

Instrument :
MSVOA_V
ClientSampleId :
VSTD05073

Tot Ion:	97	Resp:	213866
Ion	Ratio	Lower	Upper
97	100		
99	63.8	44.1	81.9
83	88.8	60.0	111.4
85	57.5	38.6	71.8



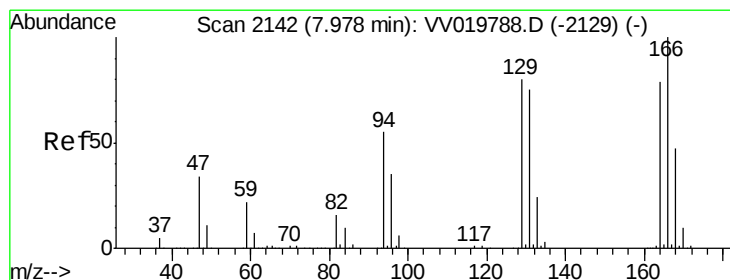
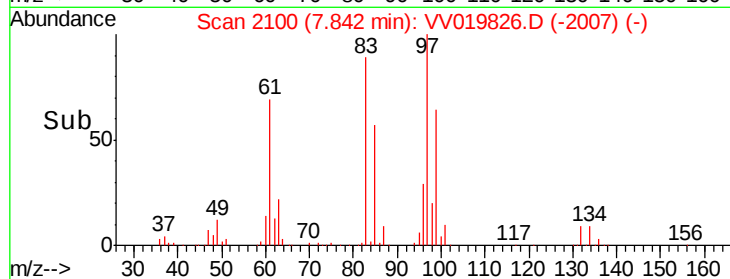
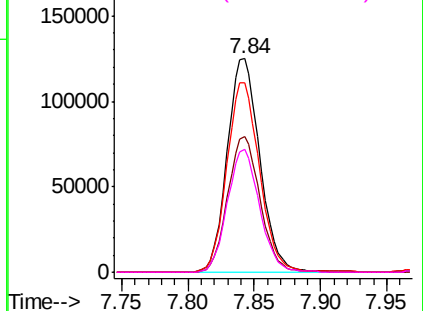
Abundance

Ion 97.00 (96.70 to 97.70): VV019788.D (-2087) (-)

Ion 99.00 (98.70 to 99.70): VV019788.D (-2087) (-)

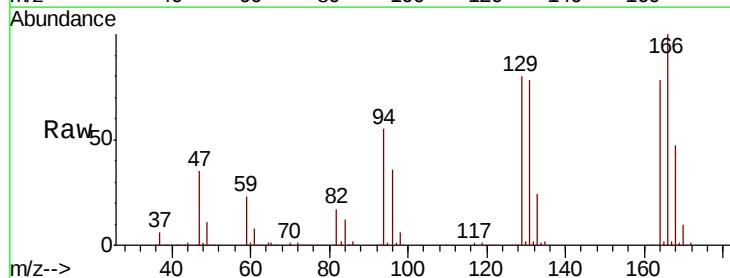
Ion 83.00 (82.70 to 83.70): VV019788.D (-2087) (-)

Ion 85.00 (84.70 to 85.70): VV019788.D (-2087) (-)



#46
Tetrachloroethene
Concen: 45.305 ug/L
RT: 7.98 min Scan# 2142
Delta R.T. -0.00 min
Lab File: VV019826.D
Acq: 24 Dec 2020 09:08

Tgt Ion:	164	Resp:	151824
Ion	Ratio	Lower	Upper
164	100		
129	102.8	70.6	131.0
131	100.0	68.0	126.4
166	128.9	86.9	161.5



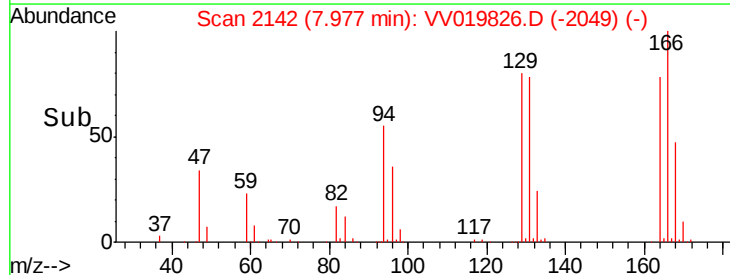
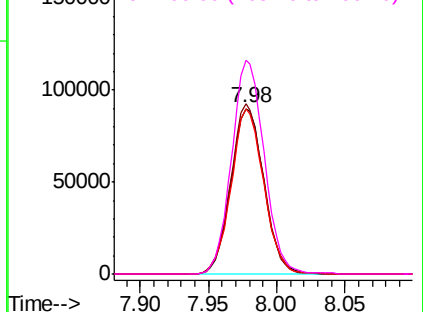
Abundance

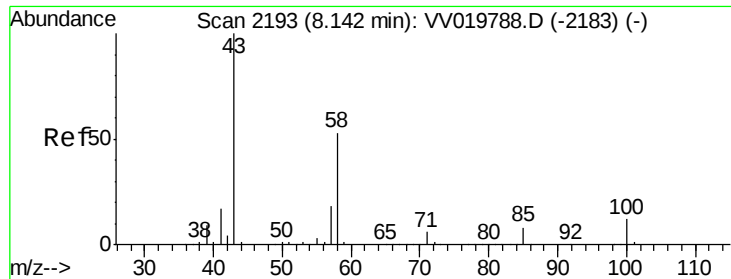
Ion 164.00 (163.70 to 164.70): VV019788.D (-2129) (-)

Ion 129.00 (128.70 to 129.70): VV019788.D (-2129) (-)

Ion 131.00 (130.70 to 131.70): VV019788.D (-2129) (-)

Ion 166.00 (165.70 to 166.70): VV019788.D (-2129) (-)

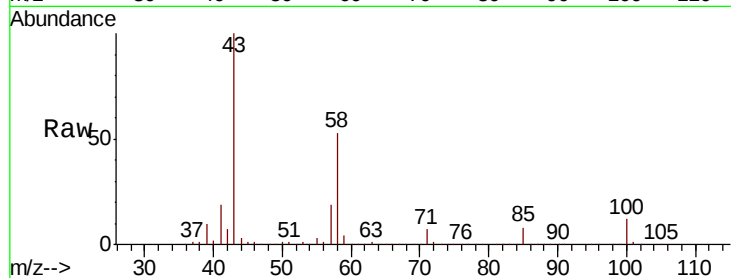




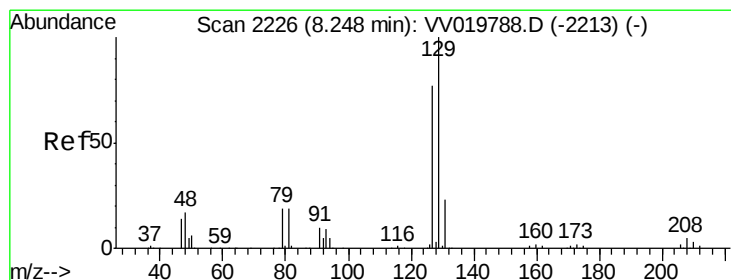
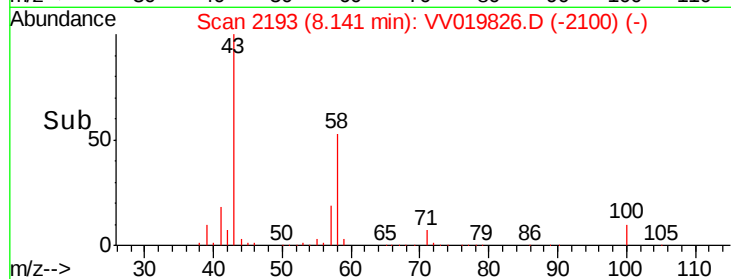
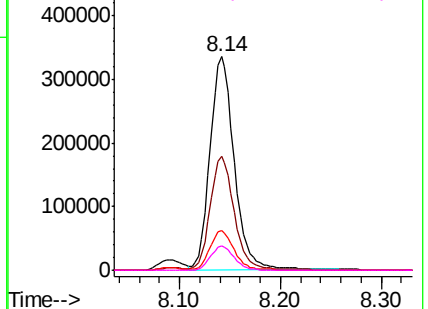
#48
2-Hexanone
Concen: 106.264 ug/L
RT: 8.14 min Scan# 2193
Delta R.T. -0.00 min
Lab File: VV019826.D
Acq: 24 Dec 2020 09:08

Instrument :
MSVOA_V
ClientSampleId :
VSTD05073

Tot Ion: 43 Resp: 556949
Ion Ratio Lower Upper
43 100
58 52.7 44.4 66.6
57 18.4 15.7 23.5
100 11.3 9.9 14.9

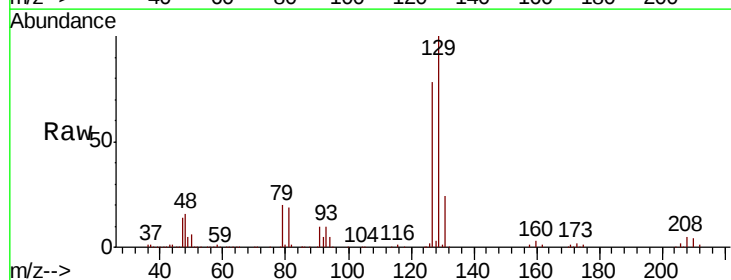


Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 58.00 (57.70 to 58.70): VV0
Ion 57.00 (56.70 to 57.70): VV0
Ion 100.00 (99.70 to 100.70): VV0

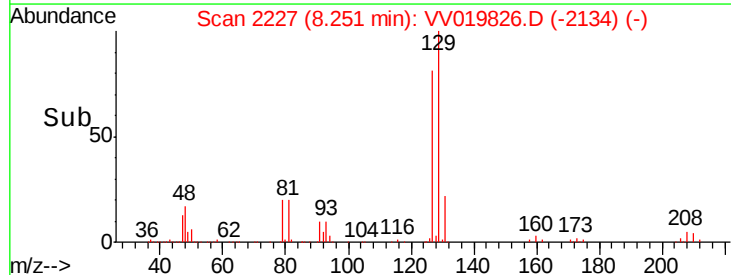
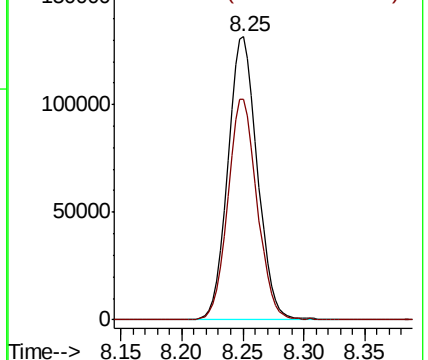


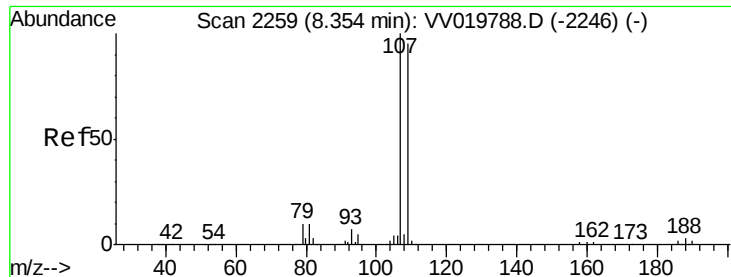
#49
Dibromochloromethane
Concen: 44.646 ug/L
RT: 8.25 min Scan# 2227
Delta R.T. -0.00 min
Lab File: VV019826.D
Acq: 24 Dec 2020 09:08

Tgt Ion: 129 Resp: 222297
Ion Ratio Lower Upper
129 100
127 78.1 54.2 100.6



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

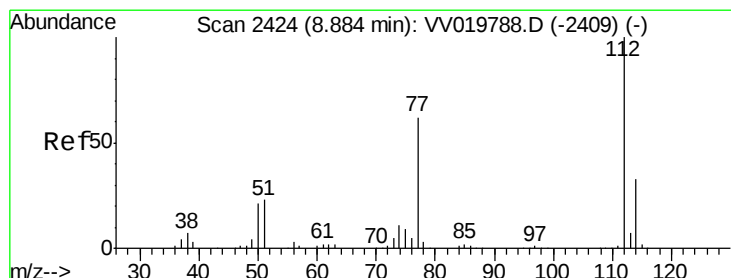
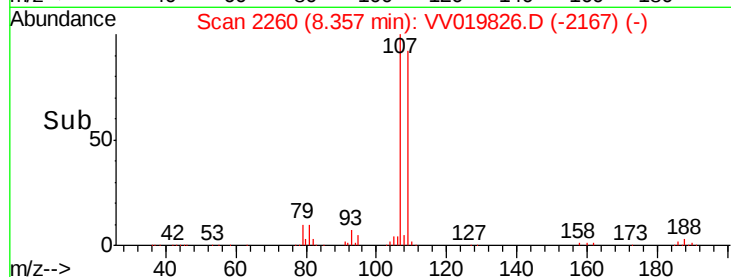
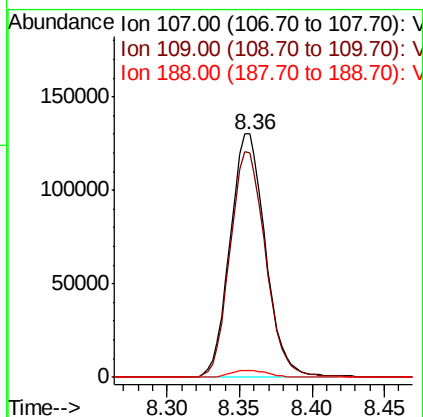
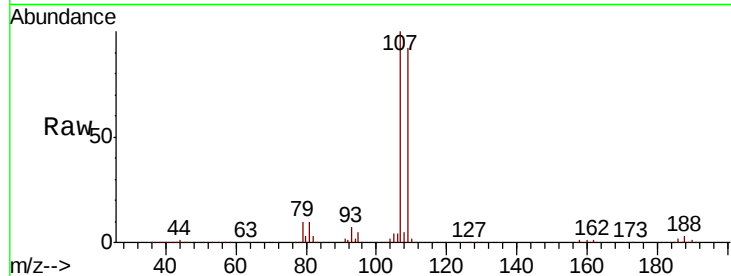




#50
1,2-Dibromoethane
Concen: 46.189 ug/L
RT: 8.36 min Scan# 2260
Delta R.T. -0.00 min
Lab File: VV019826.D
Acq: 24 Dec 2020 09:08

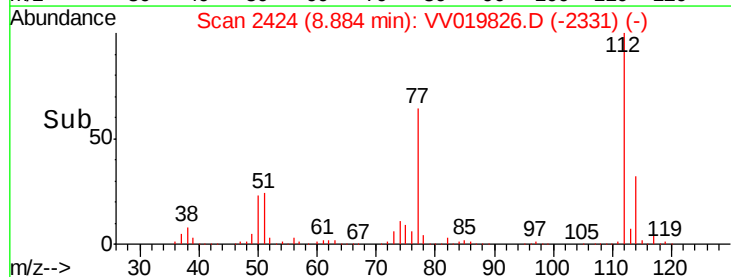
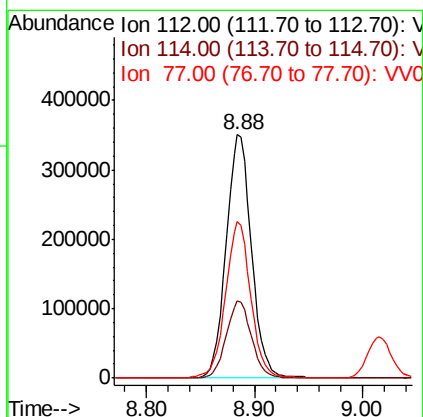
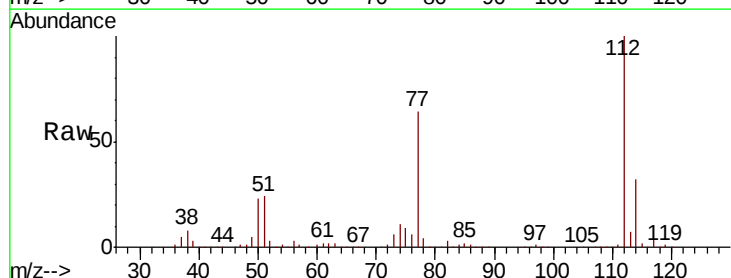
Instrument :
MSVOA_V
ClientSampleId :
VSTD05073

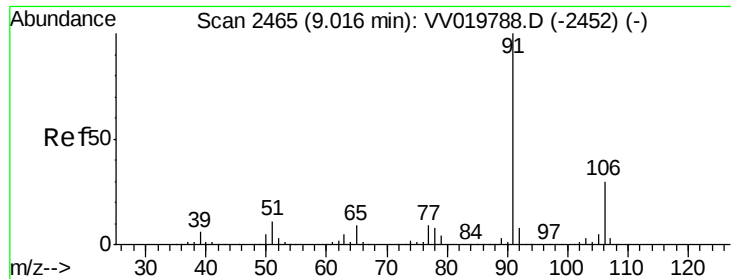
Tot Ion:107 Resp: 221144
Ion Ratio Lower Upper
107 100
109 92.3 66.4 123.2
188 3.0 2.9 4.3



#51
Chlorobenzene
Concen: 46.406 ug/L
RT: 8.88 min Scan# 2424
Delta R.T. -0.00 min
Lab File: VV019826.D
Acq: 24 Dec 2020 09:08

Tgt Ion:112 Resp: 572699
Ion Ratio Lower Upper
112 100
114 31.9 22.2 41.2
77 64.5 50.6 75.8





#52

Ethylbenzene

Concen: 46.768 ug/L

RT: 9.02 min Scan# 2465

Delta R.T. -0.00 min

Lab File: VV019826.D

Acq: 24 Dec 2020 09:08

Instrument :

MSVOA_V

ClientSampleId :

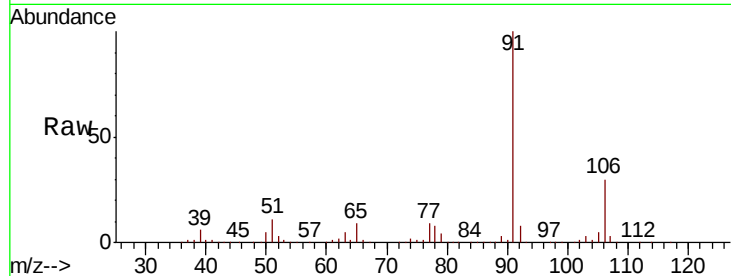
VSTD05073

Tot Ion: 91 Resp: 1029609

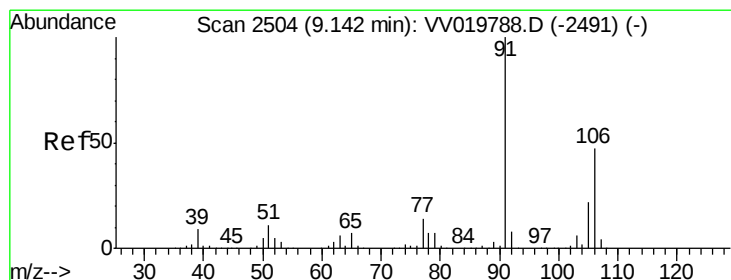
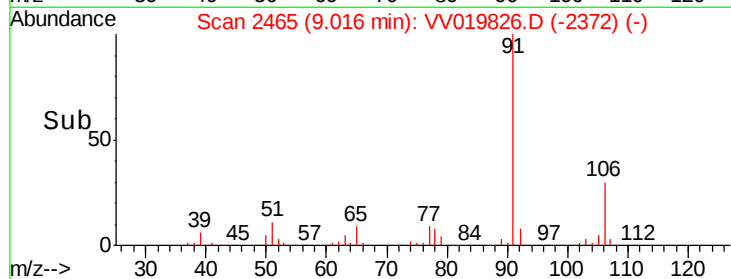
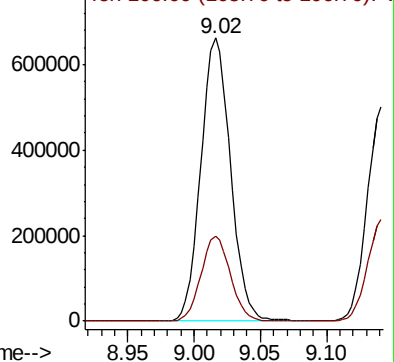
Ion Ratio Lower Upper

91 100

106 30.0 21.1 39.3



Abundance Ion 91.00 (90.70 to 91.70): VV019788.D (-2452) (-)



#53

m,p-Xylene

Concen: 45.484 ug/L

RT: 9.14 min Scan# 2504

Delta R.T. -0.00 min

Lab File: VV019826.D

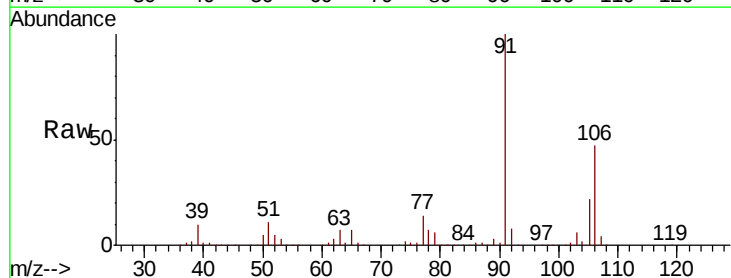
Acq: 24 Dec 2020 09:08

Tgt Ion: 106 Resp: 374096

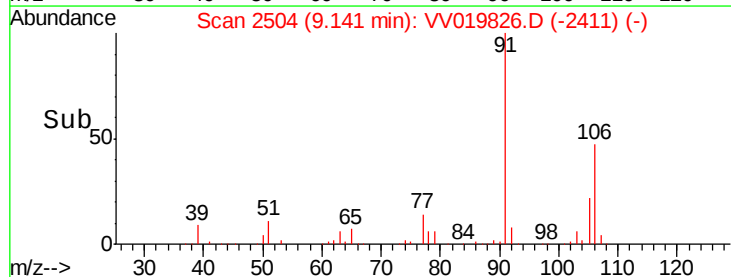
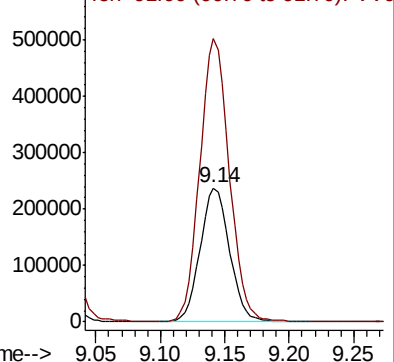
Ion Ratio Lower Upper

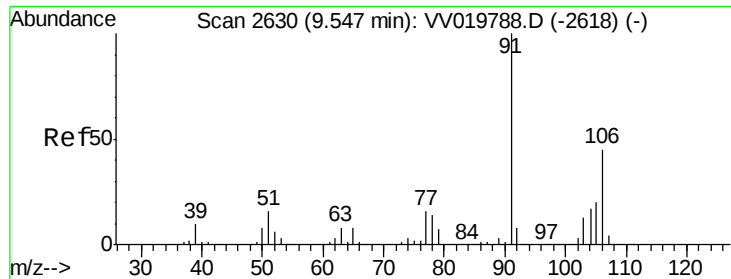
106 100

91 210.8 147.7 274.3



Abundance Ion 106.00 (105.70 to 106.70): VV019826.D (-2411) (-)





#54

o-xylene

Concen: 46.055 ug/L

RT: 9.55 min Scan# 2630

Delta R.T. -0.00 min

Lab File: VV019826.D

Acq: 24 Dec 2020 09:08

Instrument :

MSVOA_V

ClientSampleId :

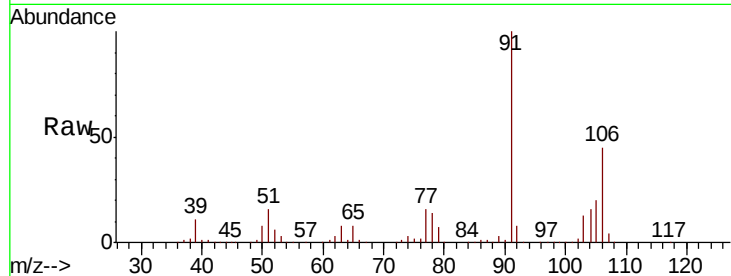
VSTD05073

Tot Ion:106 Resp: 371279

Ion Ratio Lower Upper

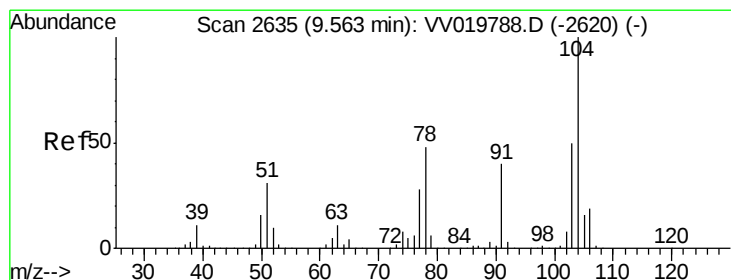
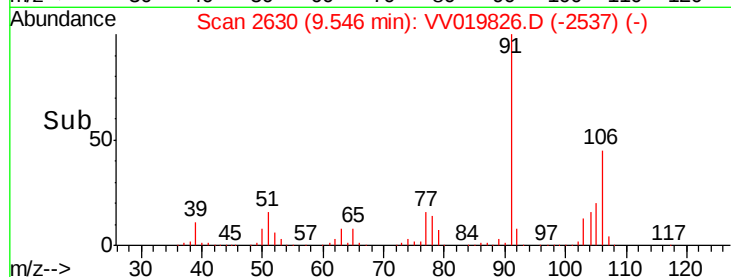
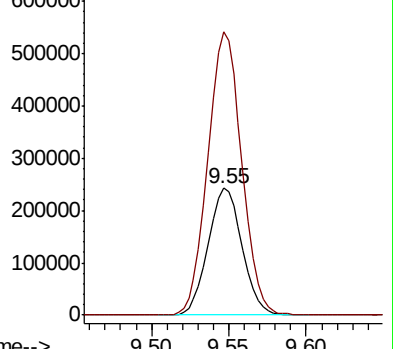
106 100

91 223.5 156.7 291.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 46.365 ug/L

RT: 9.57 min Scan# 2636

Delta R.T. -0.00 min

Lab File: VV019826.D

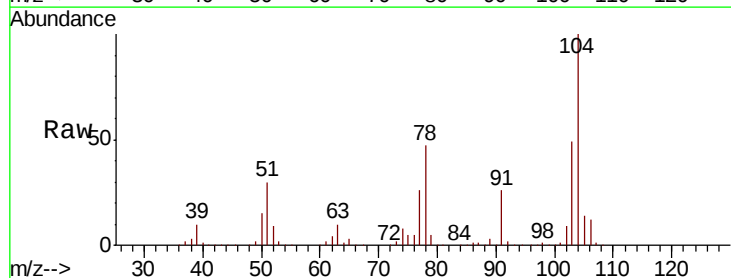
Acq: 24 Dec 2020 09:08

Tgt Ion:104 Resp: 651453

Ion Ratio Lower Upper

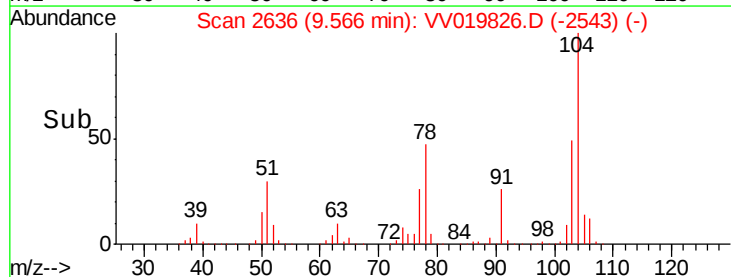
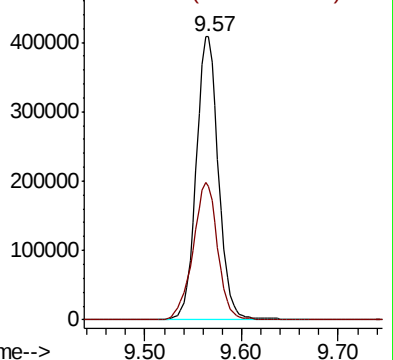
104 100

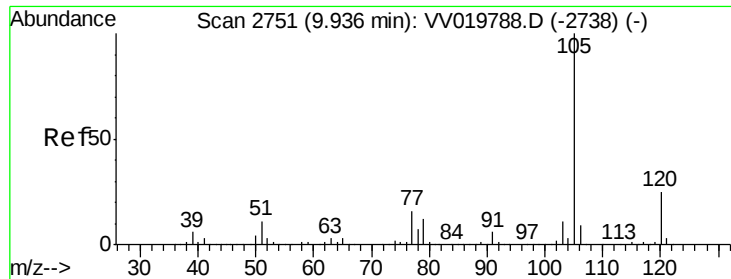
78 47.4 33.7 62.7



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 47.160 ug/L

RT: 9.94 min Scan# 2751

Delta R.T. -0.00 min

Lab File: VV019826.D

Acq: 24 Dec 2020 09:08

Instrument :

MSVOA_V

ClientSampleId :

VSTD05073

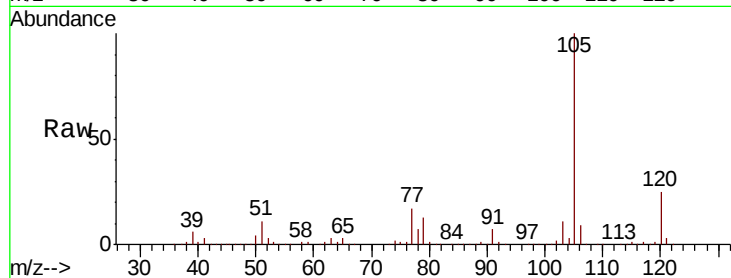
Tot Ion:105 Resp: 1012853

Ion Ratio Lower Upper

105 100

120 25.4 20.6 31.0

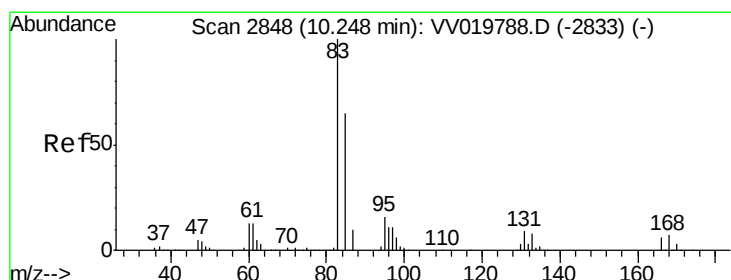
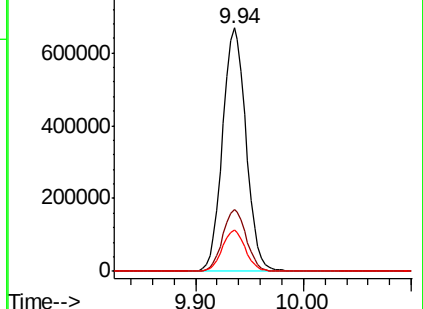
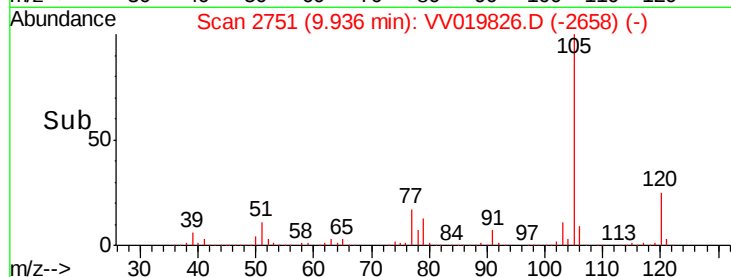
77 16.8 13.2 19.8



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): V



#58

1,1,2,2-Tetrachloroethane

Concen: 47.427 ug/L

RT: 10.25 min Scan# 2848

Delta R.T. -0.00 min

Lab File: VV019826.D

Acq: 24 Dec 2020 09:08

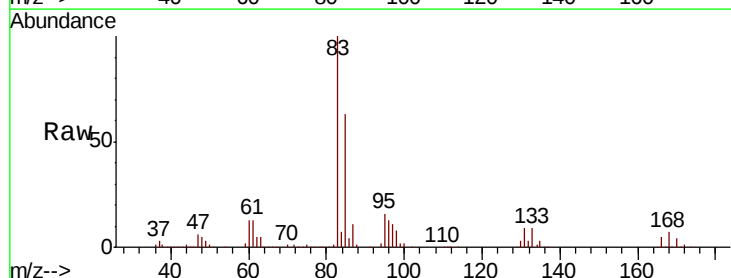
Tgt Ion: 83 Resp: 346764

Ion Ratio Lower Upper

83 100

85 63.5 44.9 83.5

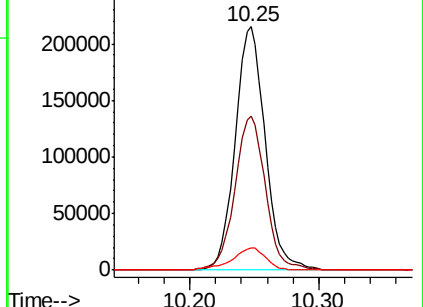
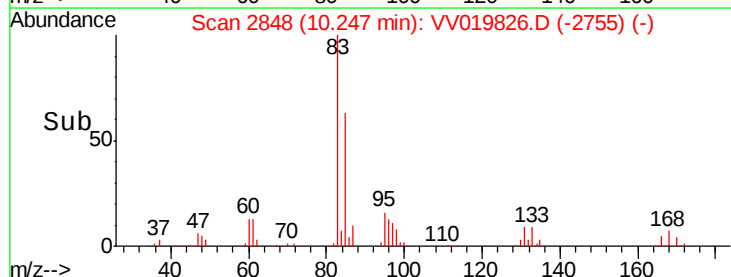
131 9.2 7.6 11.4

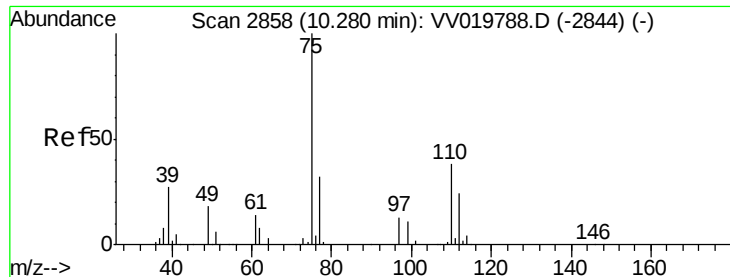


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 49.412 ug/L

RT: 10.28 min Scan# 2858

Delta R.T. -0.00 min

Lab File: VV019826.D

Acq: 24 Dec 2020 09:08

Instrument :

MSVOA_V

ClientSampleId :

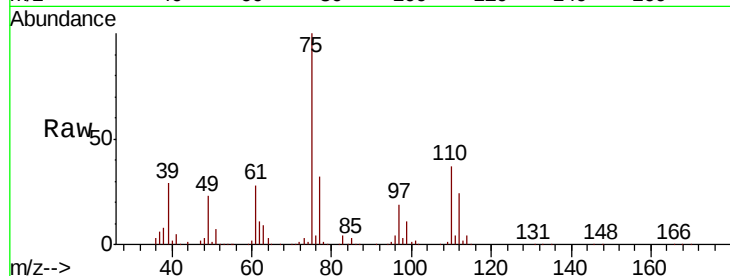
VSTD05073

Tot Ion: 75 Resp: 294260

Ion Ratio Lower Upper

75 100

77 32.0 25.8 38.8



Abundance Ion 75.00 (74.70 to 75.70): VV019788.D (-2844) (-)

Ion 77.00 (76.70 to 77.70): VV019788.D (-2844) (-)

10.28

200000

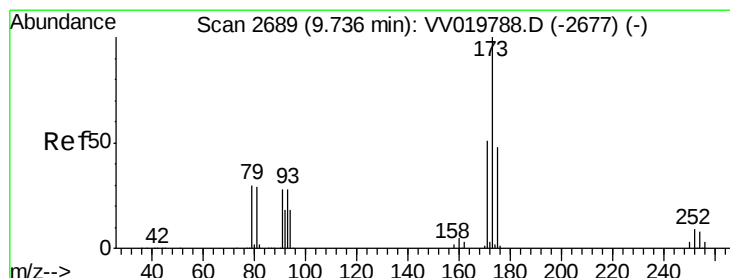
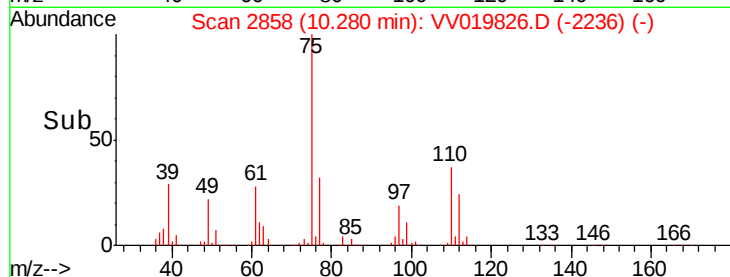
150000

100000

50000

0

Time--> 10.20 10.25 10.30 10.35



#61

Bromoform

Concen: 40.822 ug/L

RT: 9.74 min Scan# 2689

Delta R.T. -0.00 min

Lab File: VV019826.D

Acq: 24 Dec 2020 09:08

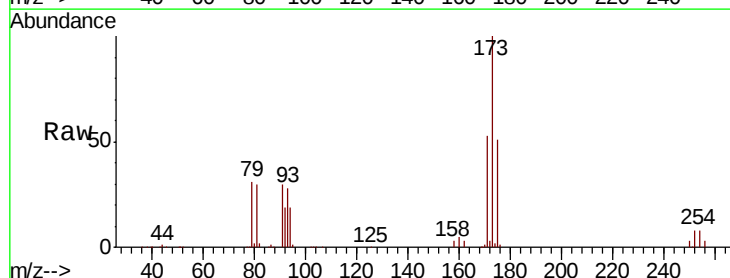
Tgt Ion: 173 Resp: 141097

Ion Ratio Lower Upper

173 100

175 50.0 38.4 57.6

254 7.4 6.6 10.0



Abundance Ion 173.00 (172.70 to 173.70): VV019788.D (-2677) (-)

Ion 175.00 (174.70 to 175.70): VV019788.D (-2677) (-)

Ion 254.00 (253.70 to 254.70): VV019788.D (-2677) (-)

9.74

120000

100000

80000

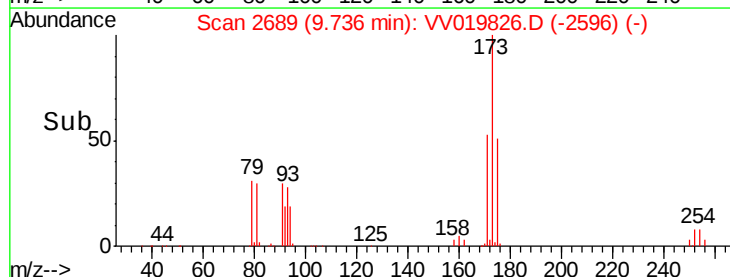
60000

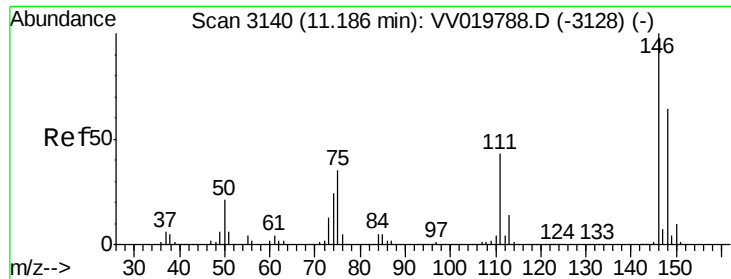
40000

20000

0

Time--> 9.65 9.70 9.75 9.80 9.85

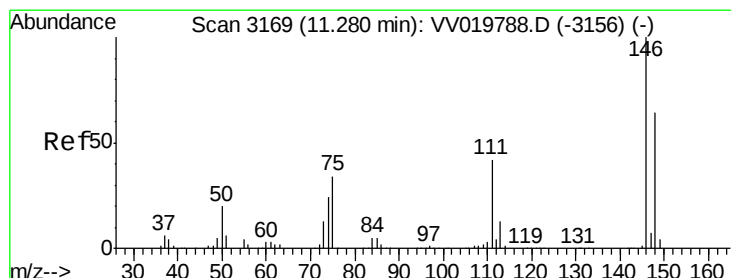
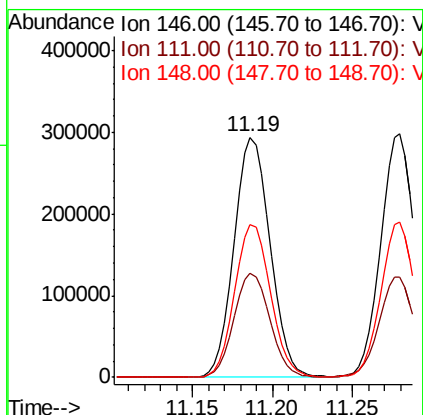
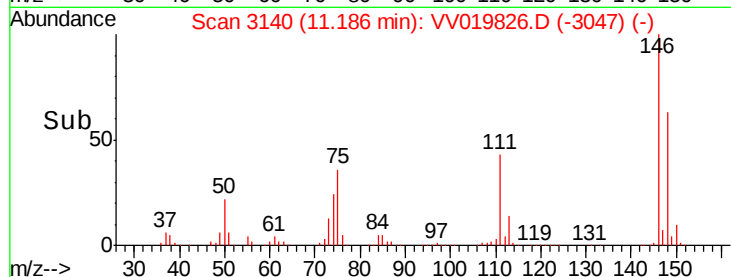
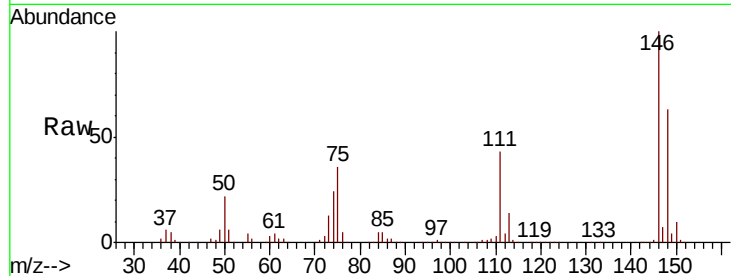




#62
 1,3-Dichlorobenzene
 Concen: 46.944 ug/L
 RT: 11.19 min Scan# 3140
 Delta R.T. -0.00 min
 Lab File: VV019826.D
 Acq: 24 Dec 2020 09:08

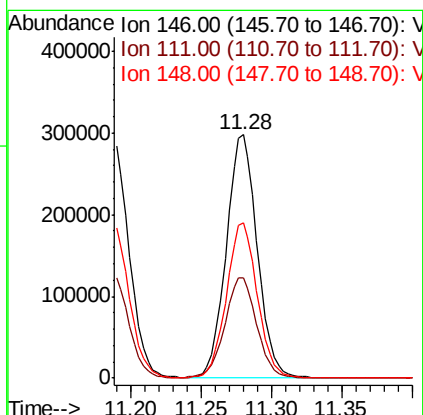
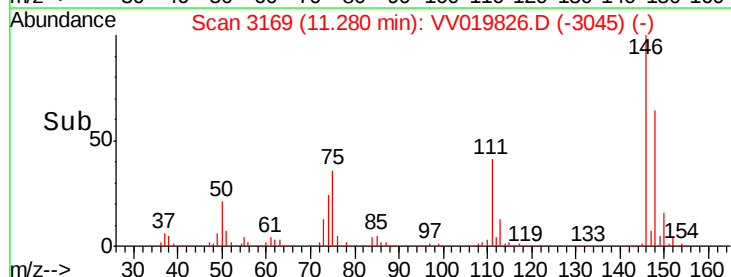
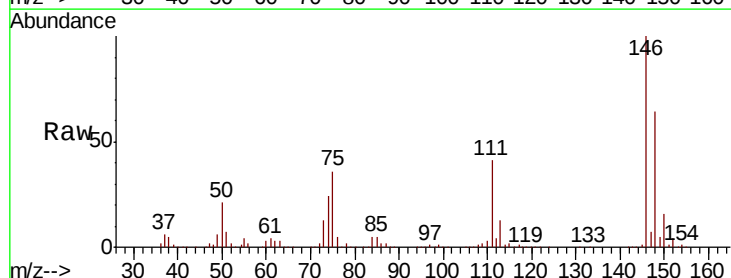
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05073

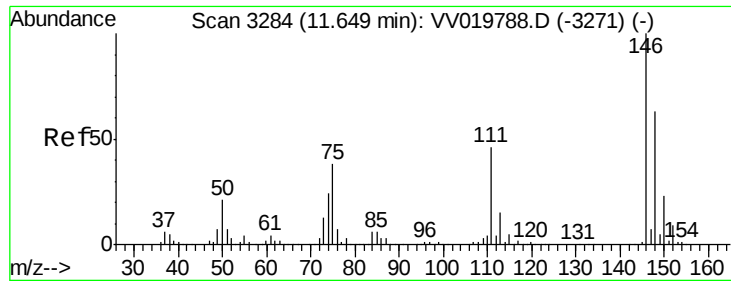
Tot Ion	Ratio	Lower	Upper
146	100		
111	43.2	30.7	57.1
148	63.4	45.3	84.1



#63
 1,4-Dichlorobenzene
 Concen: 46.854 ug/L
 RT: 11.28 min Scan# 3169
 Delta R.T. -0.00 min
 Lab File: VV019826.D
 Acq: 24 Dec 2020 09:08

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.3	29.8	55.4
148	63.6	44.2	82.0





#65

1,2-Dichlorobenzene

Concen: 46.986 ug/L

RT: 11.65 min Scan# 3284

Delta R.T. -0.00 min

Lab File: VV019826.D

Acq: 24 Dec 2020 09:08

Instrument :

MSVOA_V

ClientSampleId :

VSTD05073

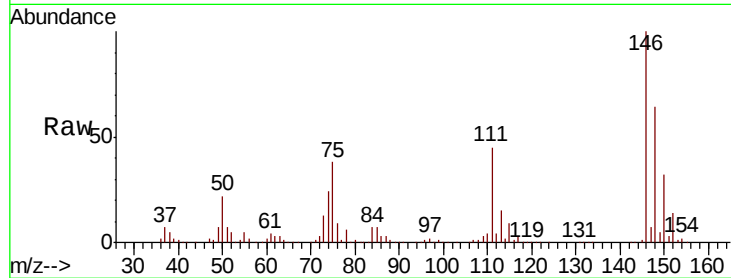
Tot Ion:146 Resp: 444969

Ion Ratio Lower Upper

146 100

111 45.3 36.6 55.0

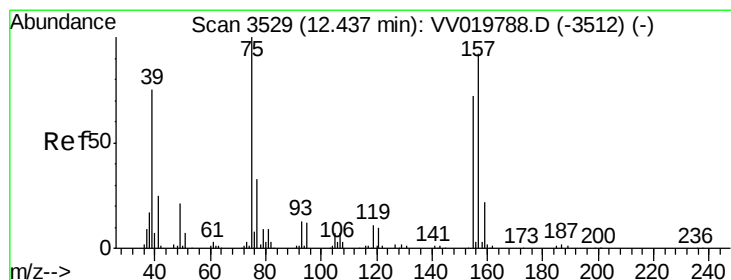
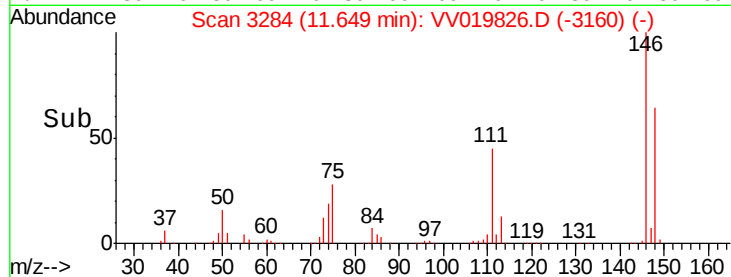
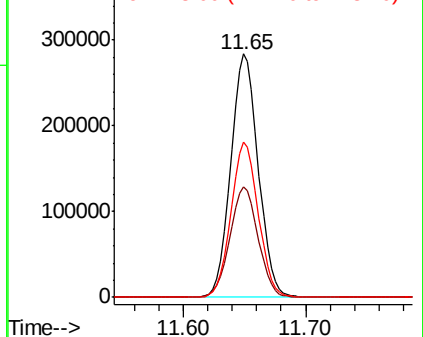
148 63.8 50.7 76.1



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: 42.972 ug/L

RT: 12.43 min Scan# 3528

Delta R.T. -0.00 min

Lab File: VV019826.D

Acq: 24 Dec 2020 09:08

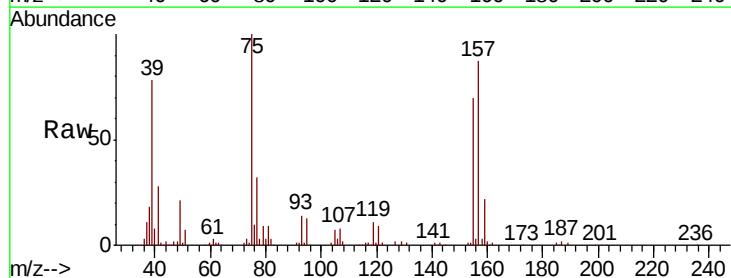
Tgt Ion: 75 Resp: 84948

Ion Ratio Lower Upper

75 100

155 69.8 61.1 91.7

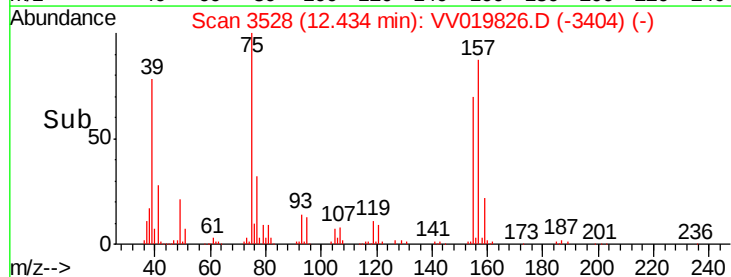
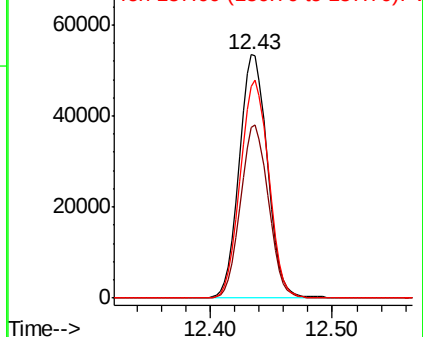
157 87.1 78.7 118.1

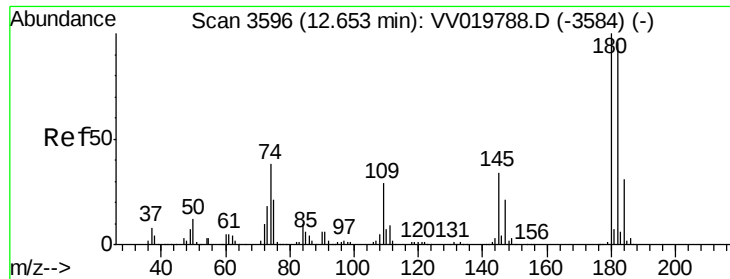


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

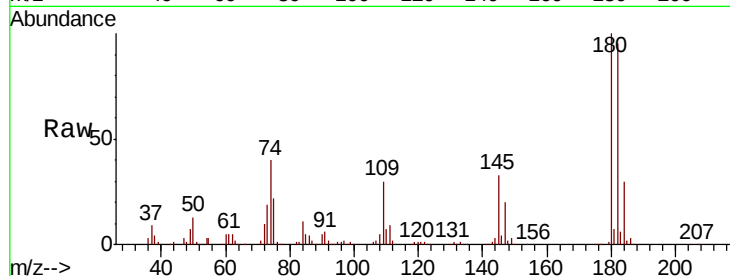




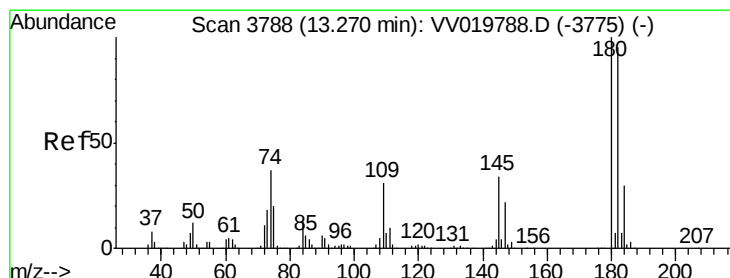
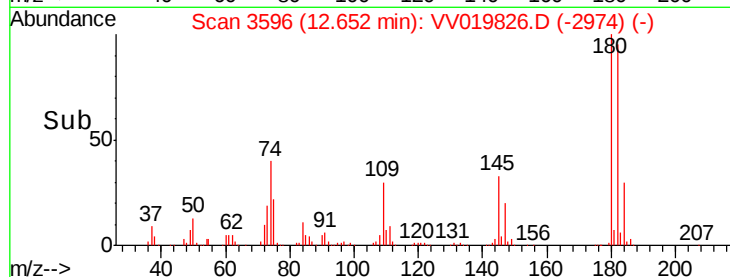
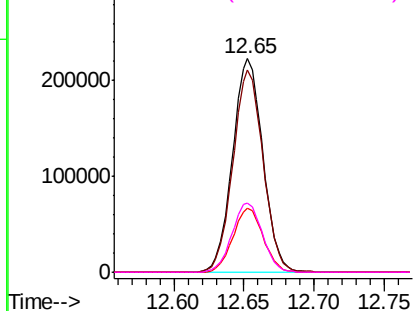
#67
 1,3,5-Trichlorobenzene
 Concen: 49.446 ug/L
 RT: 12.65 min Scan# 3596
 Delta R.T. -0.00 min
 Lab File: VV019826.D
 Acq: 24 Dec 2020 09:08

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05073

Tot Ion:180	Resp:	334813
Ion Ratio	Lower	Upper
180	100	
182	94.4	75.8 113.6
184	30.0	23.9 35.9
145	32.8	26.2 39.2

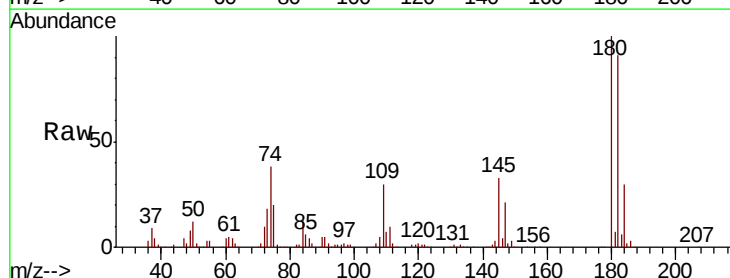


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

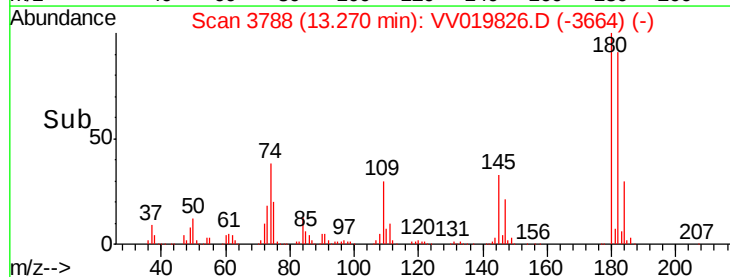
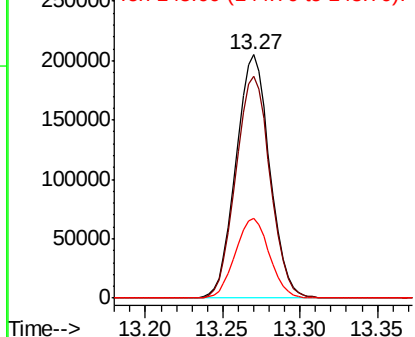


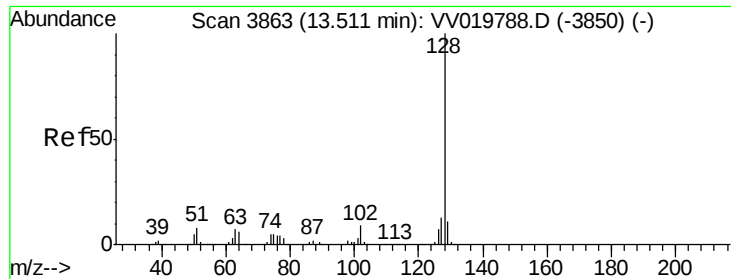
#68
 1,2,4-trichlorobenzene
 Concen: 49.144 ug/L
 RT: 13.27 min Scan# 3788
 Delta R.T. -0.00 min
 Lab File: VV019826.D
 Acq: 24 Dec 2020 09:08

Tgt Ion:180	Resp:	311142
Ion Ratio	Lower	Upper
180	100	
182	92.7	76.5 114.7
145	33.1	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: 44.181 ug/L

RT: 13.51 min Scan# 3863

Delta R.T. -0.00 min

Lab File: VV019826.D

Acq: 24 Dec 2020 09:08

Instrument :

MSVOA_V

ClientSampleId :

VSTD05073

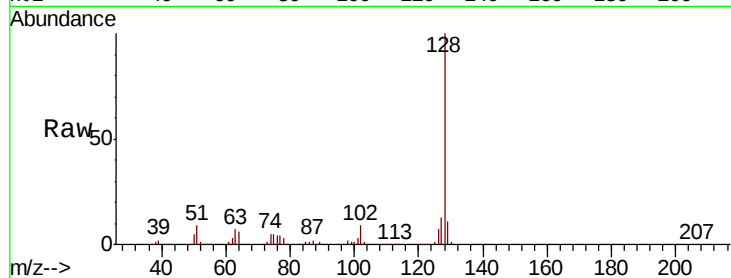
Tot Ion:128 Resp: 971270

Ion Ratio Lower Upper

128 100

127 12.9 10.3 15.5

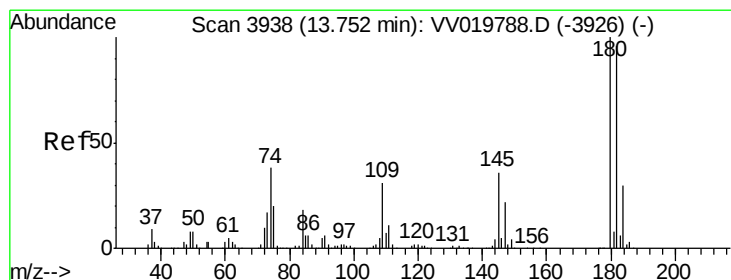
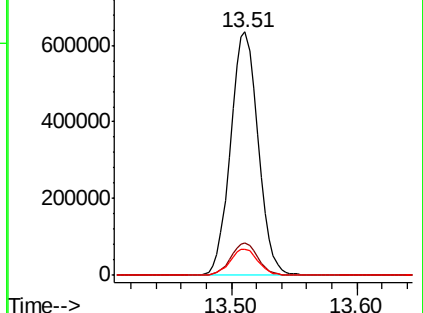
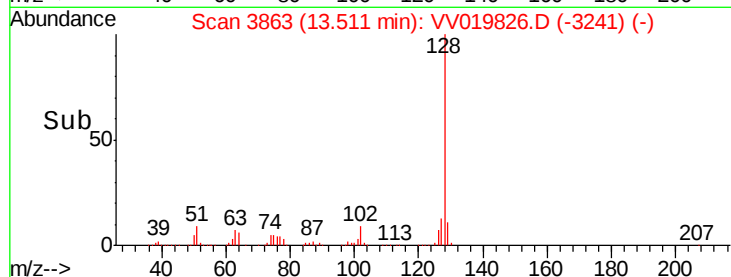
129 10.9 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 47.782 ug/L

RT: 13.75 min Scan# 3938

Delta R.T. -0.00 min

Lab File: VV019826.D

Acq: 24 Dec 2020 09:08

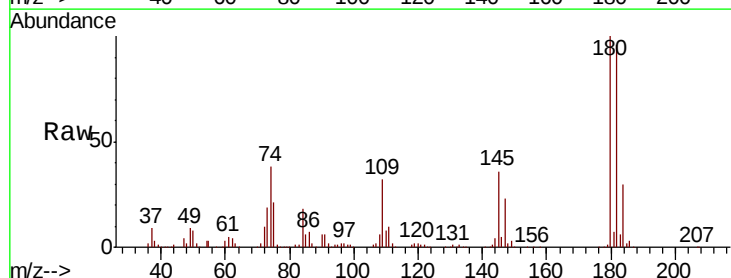
Tgt Ion:180 Resp: 295633

Ion Ratio Lower Upper

180 100

182 95.0 75.8 113.6

145 36.0 29.1 43.7



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

