

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV092520\
 Data File : VV018480.D
 Acq On : 26 Sep 2020 00:33
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05089

Quant Time: Sep 26 02:58:36 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM090920WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Sep 26 02:48:35 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	381212	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	364983	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	193409	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	135328	43.56	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	87.12%
7) Chloroethane-d5	1.58	69	110732	43.56	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	87.12%
11) 1,1-Dichloroethene-d2	2.12	63	246007	43.17	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.34%
21) 2-Butanone-d5	3.92	46	173791	91.39	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	91.39%
24) Chloroform-d	4.38	84	241269	44.76	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.52%
26) 1,2-Dichloroethane-d4	5.06	65	151008	43.70	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.40%
32) Benzene-d6	5.08	84	487899	46.70	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.40%
36) 1,2-Dichloropropane-d6	6.09	67	153493	46.23	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	92.46%
41) Toluene-d8	7.34	98	446897	46.93	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.86%
43) trans-1,3-Dichloropropene-	7.64	79	75614	44.82	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.64%
47) 2-Hexanone-d5	8.11	63	120885	96.13	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	96.13%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	198284	47.59	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.18%
64) 1,2-Dichlorobenzene-d4	11.65	152	184506	46.45	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.90%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	111046	39.948	ug/L	99
3) Chloromethane	1.25	50	131763	43.410	ug/L	100
5) Vinyl chloride	1.32	62	139925	44.954	ug/L	99
6) Bromomethane	1.53	94	87167	45.818	ug/L	99
8) Chloroethane	1.60	64	89188	45.741	ug/L	100
9) Trichlorofluoromethane	1.77	101	186059	43.446	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	112617	43.779	ug/L	100
12) 1,1-Dichloroethene	2.13	96	115675	46.214	ug/L	93
13) Acetone	2.20	43	112116	73.631	ug/L	100
14) Carbon disulfide	2.31	76	303299	39.600	ug/L	100
15) Methyl Acetate	2.45	43	129704	47.399	ug/L	99
16) Methylene chloride	2.52	84	132205	47.096	ug/L	98
17) trans-1,2-Dichloroethene	2.78	96	121214	46.990	ug/L	95
18) Methyl tert-butyl Ether	2.78	73	398486	49.939	ug/L	98
19) 1,1-Dichloroethane	3.21	63	232117	47.592	ug/L	99
20) cis-1,2-Dichloroethene	3.94	96	135843	49.263	ug/L	97
22) 2-Butanone	4.00	43	171874	95.323	ug/L	98

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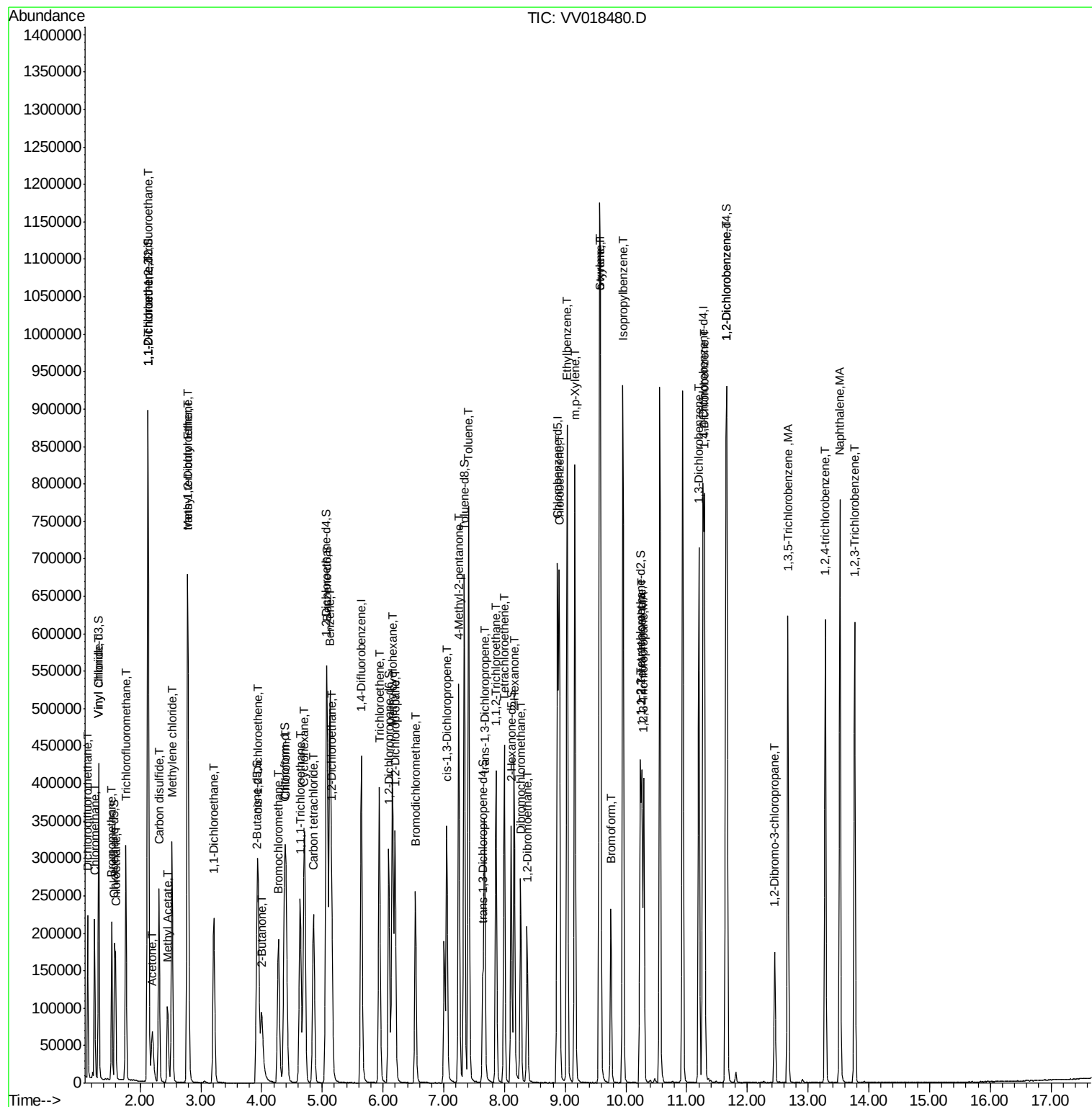
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.28	128	69771	48.360	ug/L	98
25) Chloroform	4.40	83	234669	47.335	ug/L	99
27) 1,2-Dichloroethane	5.16	62	176657	46.029	ug/L	98
29) Cyclohexane	4.70	56	194207	46.080	ug/L	99
30) 1,1,1-Trichloroethane	4.64	97	202453	47.796	ug/L	100
31) Carbon tetrachloride	4.86	117	173308	46.531	ug/L	99
33) Benzene	5.13	78	516029	49.450	ug/L	100
34) Trichloroethene	5.94	95	139492	49.070	ug/L	100
35) Methylcyclohexane	6.16	83	180370	42.141	ug/L	98
37) 1,2-Dichloropropane	6.20	63	136227	49.264	ug/L	100
38) Bromodichloromethane	6.53	83	172818	48.025	ug/L	100
39) cis-1,3-Dichloropropene	7.05	75	203552	47.776	ug/L	100
40) 4-Methyl-2-pentanone	7.25	43	346597	103.318	ug/L	98
42) Toluene	7.41	91	552905	50.067	ug/L	100
44) trans-1,3-Dichloropropene	7.67	75	201587	48.595	ug/L	99
45) 1,1,2-Trichloroethane	7.86	97	129179	50.401	ug/L	99
46) Tetrachloroethene	8.00	164	102659	46.058	ug/L	99
48) 2-Hexanone	8.16	43	263670	99.695	ug/L	97
49) Dibromochloromethane	8.27	129	139614	48.529	ug/L	99
50) 1,2-Dibromoethane	8.37	107	136829	50.725	ug/L	99
51) Chlorobenzene	8.90	112	359208	50.085	ug/L	99
52) Ethylbenzene	9.03	91	607192	50.362	ug/L	100
53) m,p-Xylene	9.16	106	228442	50.763	ug/L	96
54) o-xylene	9.56	106	224475	51.777	ug/L	99
55) Styrene	9.58	104	393750	52.253	ug/L	99
56) Isopropylbenzene	9.95	105	590321	50.522	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	193331	50.993	ug/L	100
59) 1,2,3-Trichloropropane	10.29	75	164127	50.463	ug/L	100
61) Bromoform	9.75	173	105389	50.722	ug/L	99
62) 1,3-Dichlorobenzene	11.20	146	289135	50.274	ug/L	99
63) 1,4-Dichlorobenzene	11.29	146	294711	49.855	ug/L	99
65) 1,2-Dichlorobenzene	11.67	146	291278	50.107	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.45	75	41406	50.476	ug/L	95
67) 1,3,5-Trichlorobenzene	12.67	180	195758	43.176	ug/L	100
68) 1,2,4-trichlorobenzene	13.28	180	189404	46.912	ug/L	99
69) Naphthalene	13.52	128	590275	57.779	ug/L	99
70) 1,2,3-Trichlorobenzene	13.77	180	190888	48.002	ug/L	100

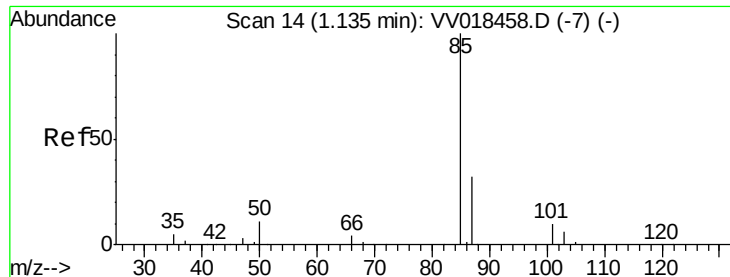
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 39.948 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

Lab File: VV018480.D

Acq: 26 Sep 2020 00:33

Instrument :

MSVOA_V

ClientSampleId :

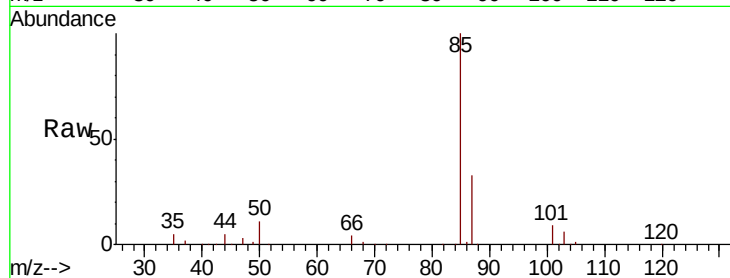
VSTD05089

Tot Ion: 85 Resp: 111046

Ion Ratio Lower Upper

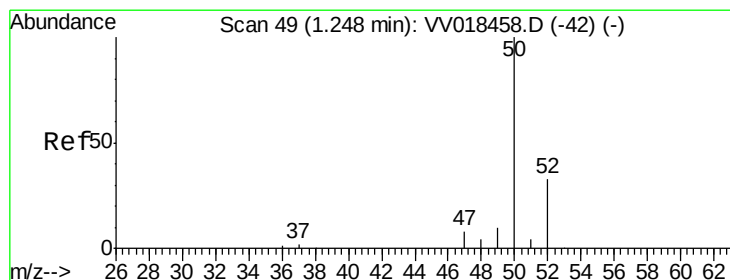
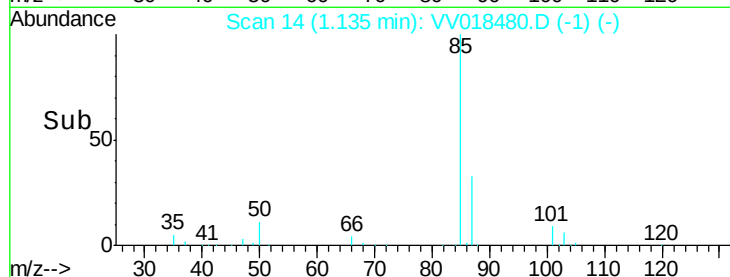
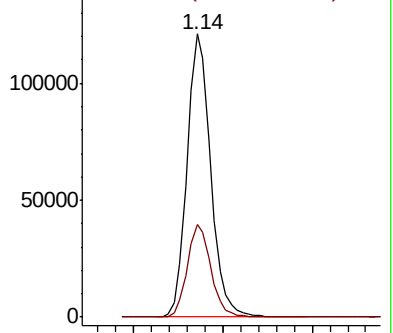
85 100

87 32.6 25.7 38.5



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 43.410 ug/L

RT: 1.25 min Scan# 49

Delta R.T. 0.00 min

Lab File: VV018480.D

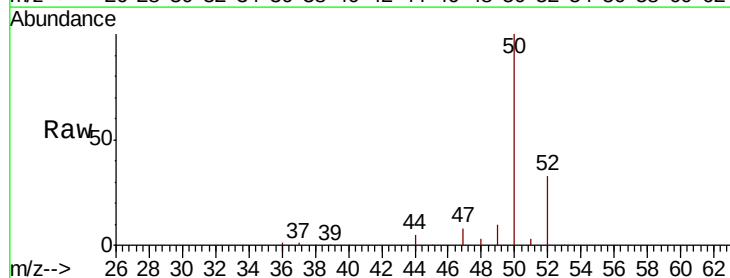
Acq: 26 Sep 2020 00:33

Tgt Ion: 50 Resp: 131763

Ion Ratio Lower Upper

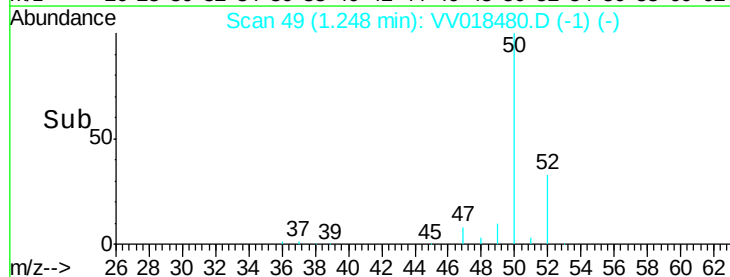
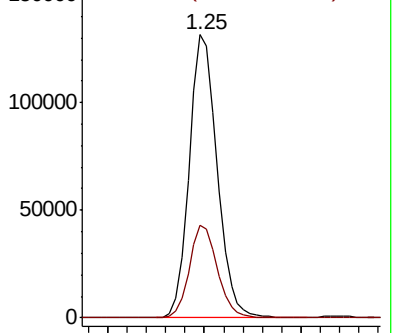
50 100

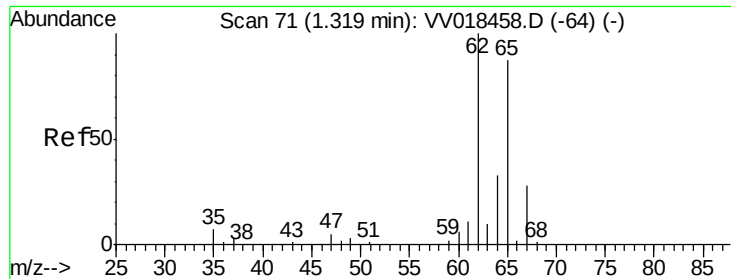
52 32.5 22.7 42.3



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0





#5

Vinyl chloride

Concen: 44.954 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV018480.D

Acq: 26 Sep 2020 00:33

Instrument :

MSVOA_V

ClientSampleId :

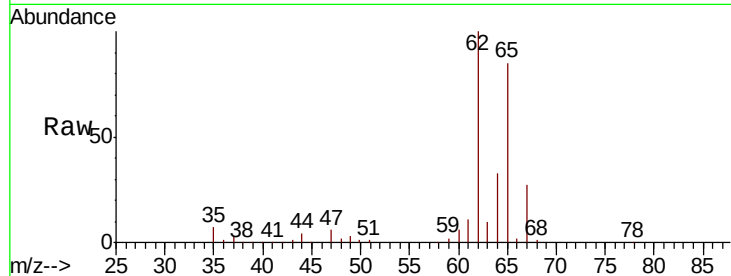
VSTD05089

Tot Ion: 62 Resp: 139925

Ion Ratio Lower Upper

62 100

64 32.7 23.1 42.9



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0

1.32

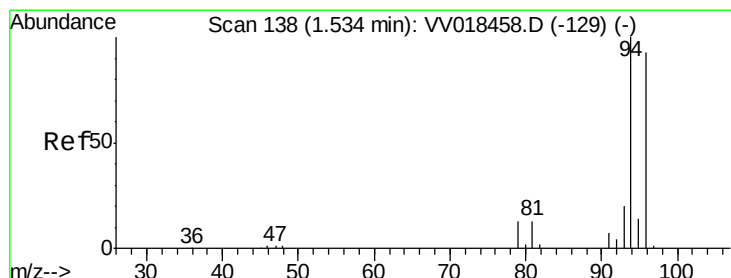
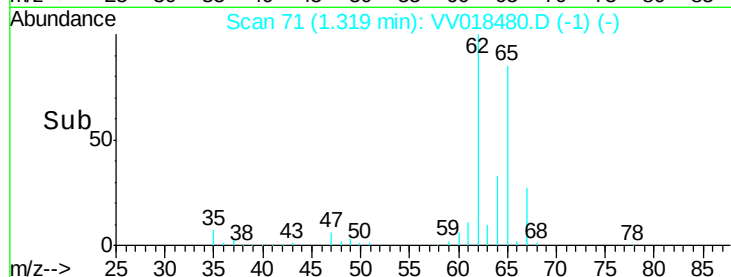
150000

100000

50000

0

Time-->



#6

Bromomethane

Concen: 45.818 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV018480.D

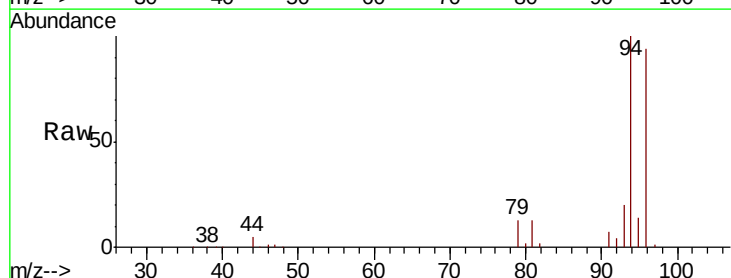
Acq: 26 Sep 2020 00:33

Tgt Ion: 94 Resp: 87167

Ion Ratio Lower Upper

94 100

96 94.0 65.1 120.9



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

1.53

80000

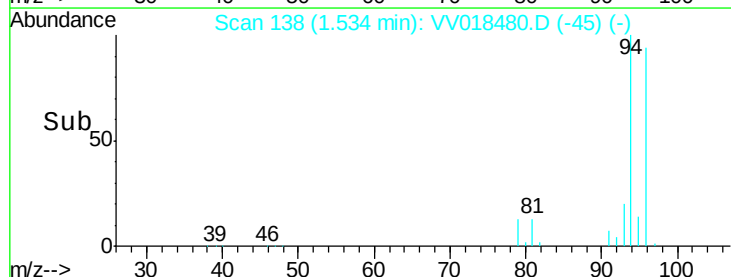
60000

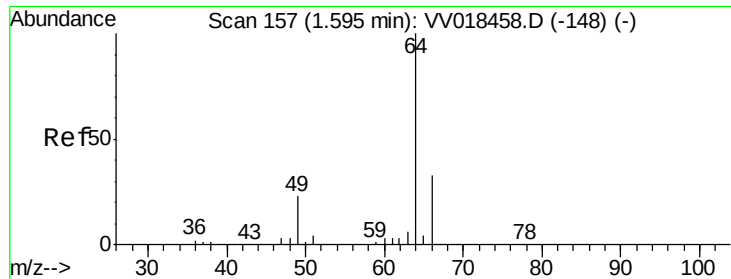
40000

20000

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Time-->

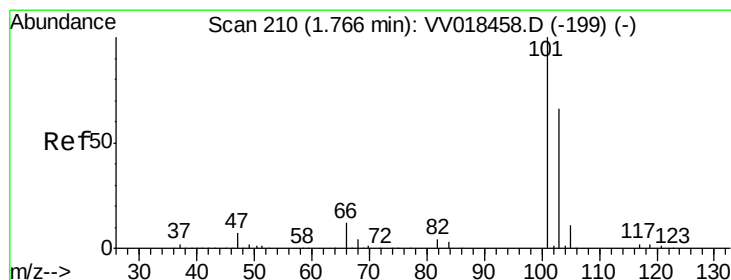
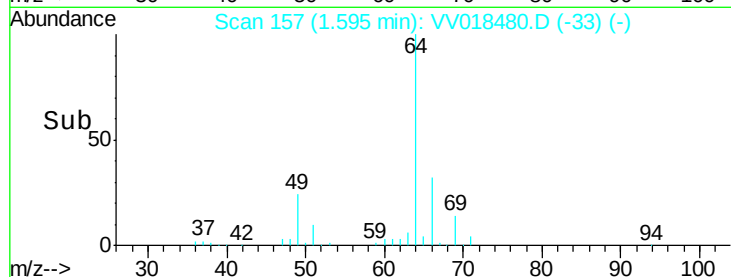
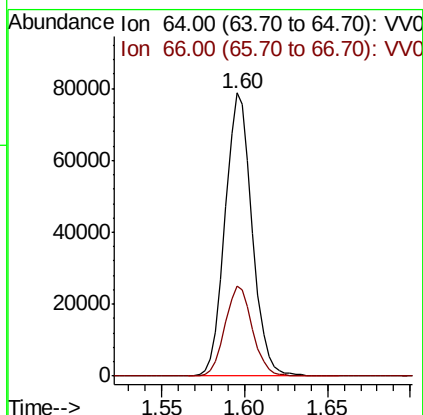
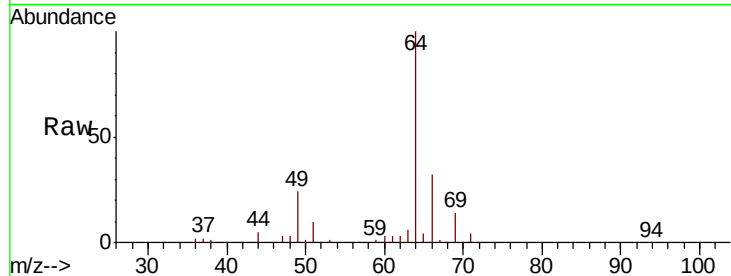




#8
Chloroethane
Concen: 45.741 ug/L
RT: 1.60 min Scan# 157
Delta R.T. 0.00 min
Lab File: VV018480.D
Acq: 26 Sep 2020 00:33

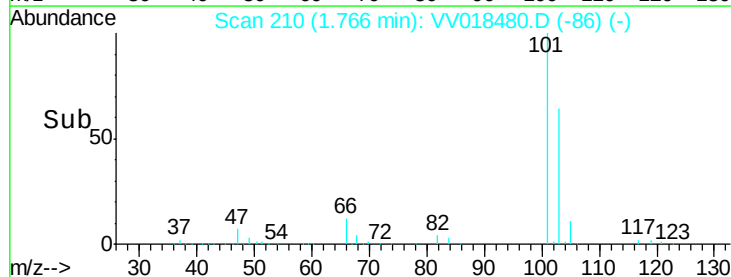
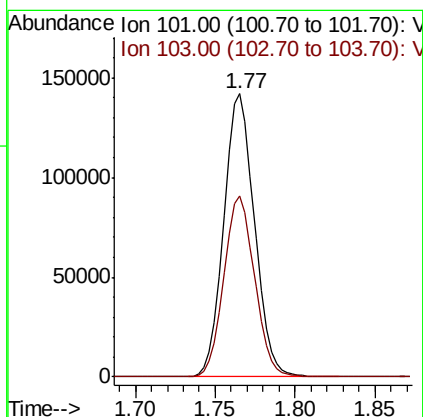
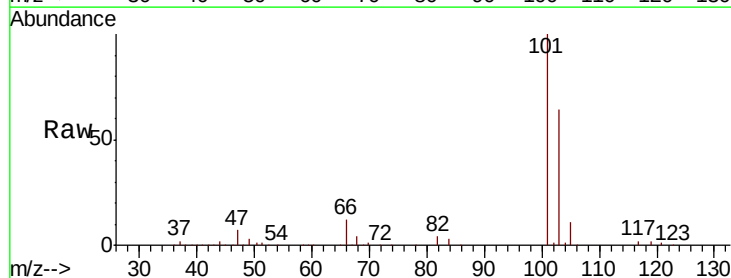
Instrument :
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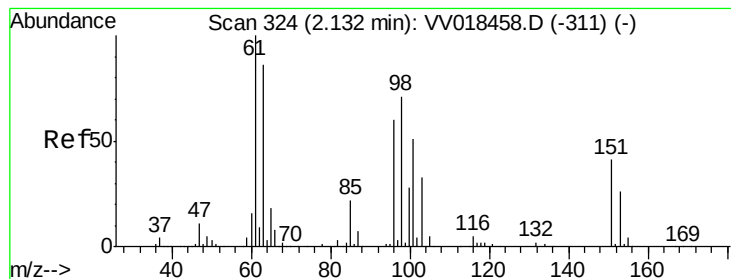
Tot Ion: 64 Resp: 89188
Ion Ratio Lower Upper
64 100
66 31.8 22.5 41.7



#9
Trichlorofluoromethane
Concen: 43.446 ug/L
RT: 1.77 min Scan# 210
Delta R.T. 0.00 min
Lab File: VV018480.D
Acq: 26 Sep 2020 00:33

Tgt Ion: 101 Resp: 186059
Ion Ratio Lower Upper
101 100
103 64.2 51.8 77.6





#10

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

Concen: 43.779 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV018480.D

Acq: 26 Sep 2020 00:33

Instrument :

MSVOA_V

ClientSampleId :

VSTD05089

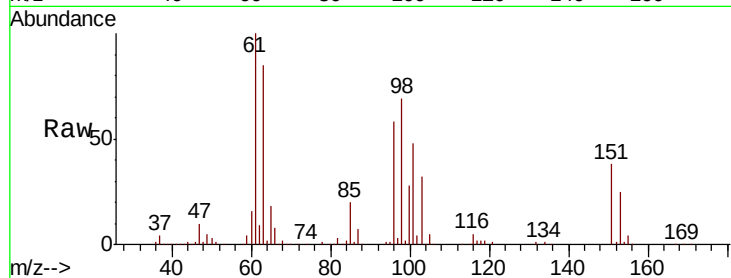
Tot Ion:101 Resp: 112617

Ion Ratio Lower Upper

101 100

85 42.0 33.5 50.3

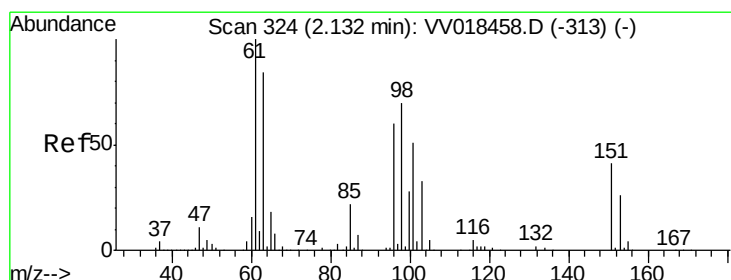
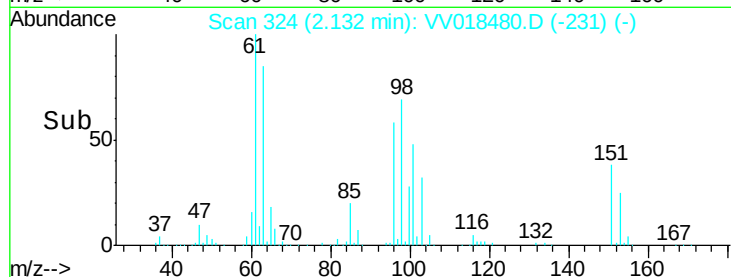
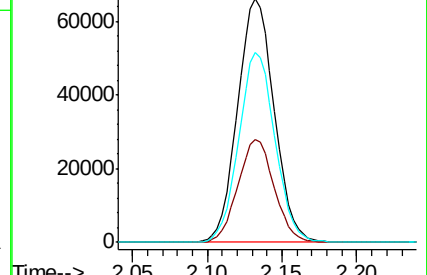
151 77.3 62.2 93.2



Abundance Ion 101.00 (100.70 to 101.70): VV018480.D (-231) (-)

Ion 85.00 (84.70 to 85.70): VV018480.D (-231) (-)

Ion 151.00 (150.70 to 151.70): VV018480.D (-231) (-)



#12

1,1-Dichloroethene

Concen: 46.214 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV018480.D

Acq: 26 Sep 2020 00:33

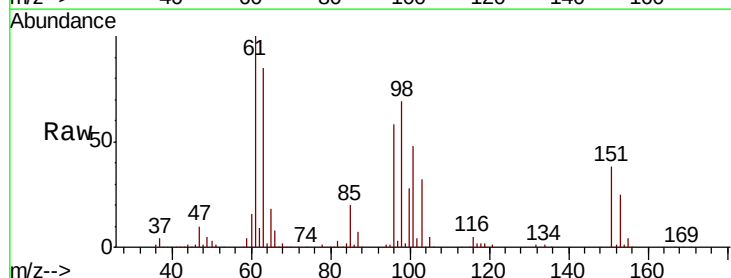
Tgt Ion: 96 Resp: 115675

Ion Ratio Lower Upper

96 100

61 171.4 122.9 228.3

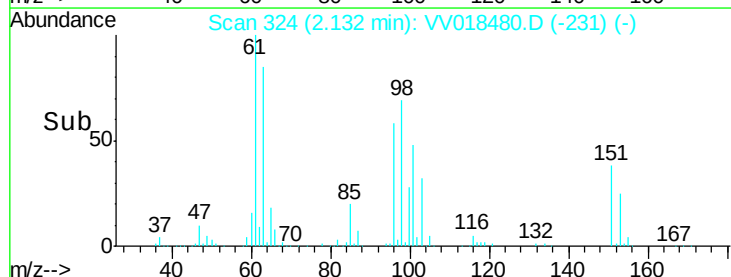
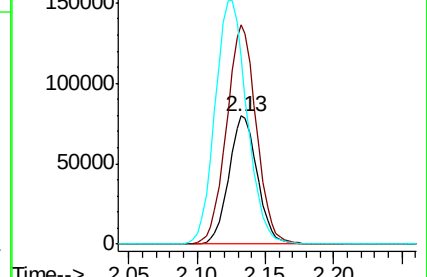
63 145.9 91.9 170.7

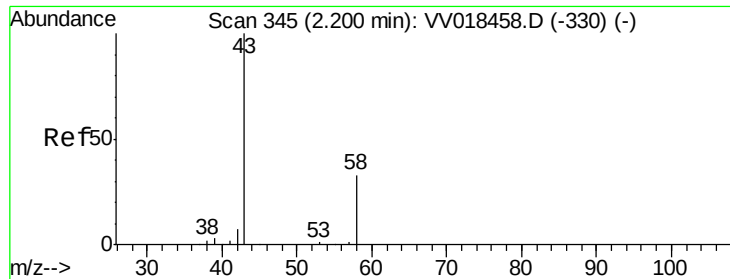


Abundance Ion 96.00 (95.70 to 96.70): VV018480.D (-231) (-)

Ion 61.00 (60.70 to 61.70): VV018480.D (-231) (-)

Ion 63.00 (62.70 to 63.70): VV018480.D (-231) (-)





#13

Acetone

Concen: 73.631 ug/L

RT: 2.20 min Scan# 345

Delta R.T. 0.00 min

Lab File: VV018480.D

Acq: 26 Sep 2020 00:33

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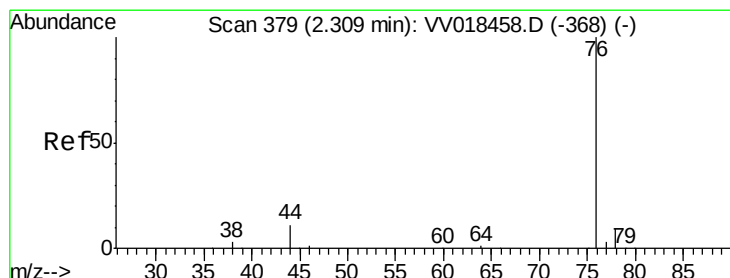
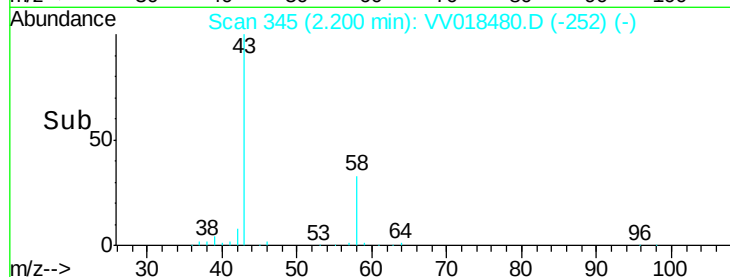
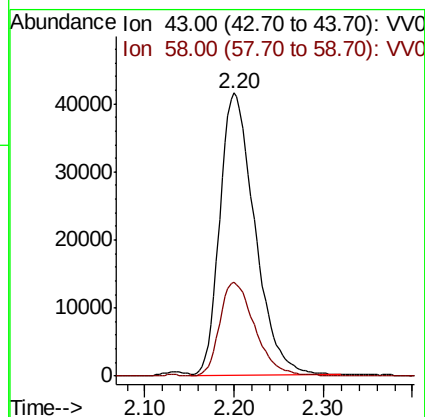
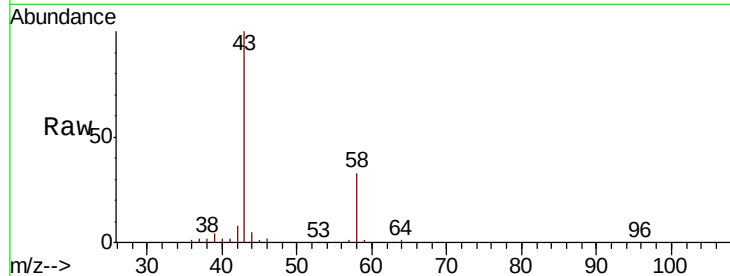
VSTD05089

Tot Ion: 43 Resp: 112116

Ion Ratio Lower Upper

43 100

58 33.9 0.0 67.4



#14

Carbon disulfide

Concen: 39.600 ug/L

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VV018480.D

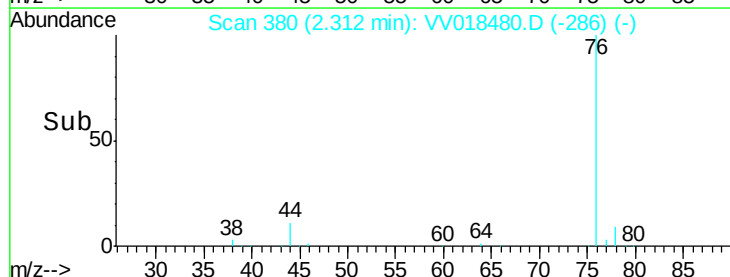
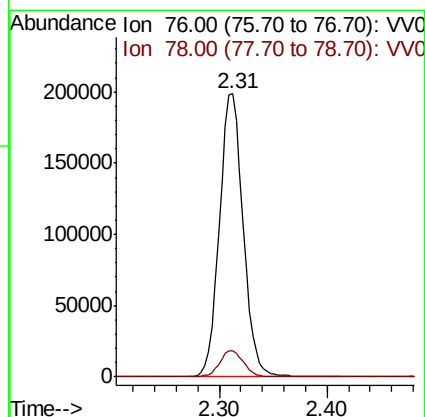
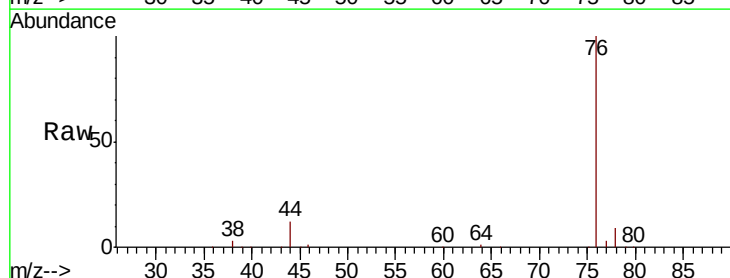
Acq: 26 Sep 2020 00:33

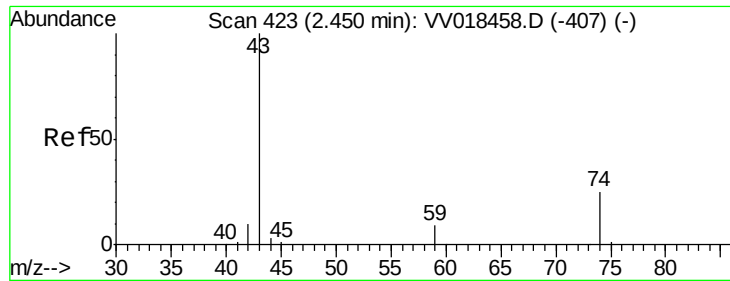
Tgt Ion: 76 Resp: 303299

Ion Ratio Lower Upper

76 100

78 9.2 7.3 10.9

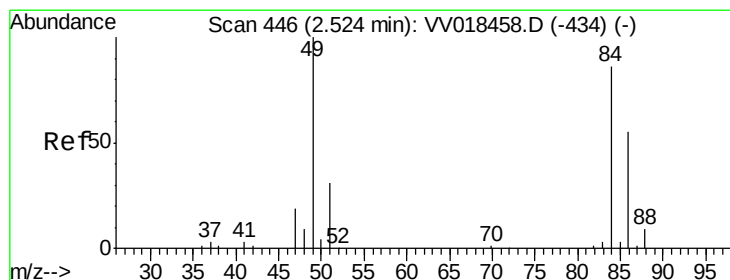
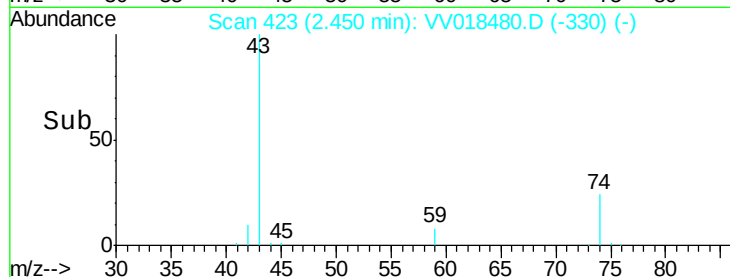
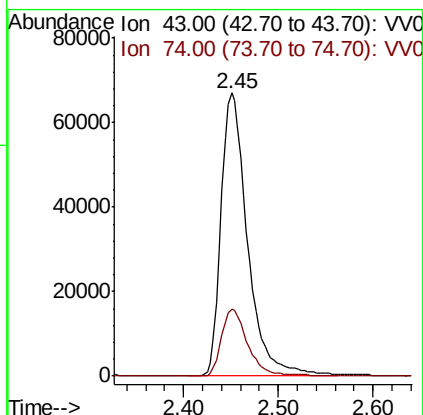
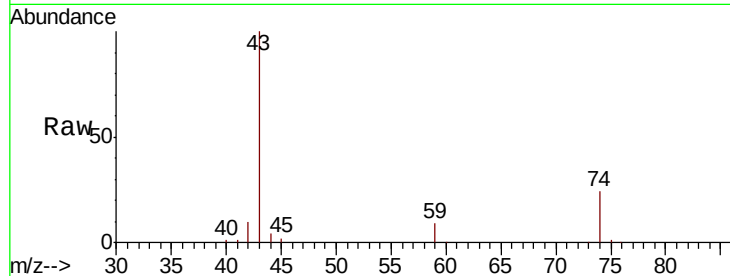




#15
Methyl Acetate
Concen: 47.399 ug/L
RT: 2.45 min Scan# 423
Delta R.T. 0.00 min
Lab File: VV018480.D
Acq: 26 Sep 2020 00:33

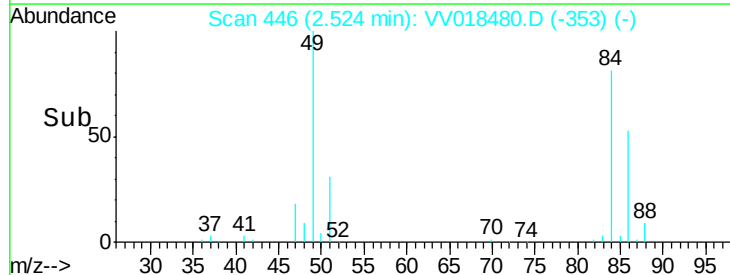
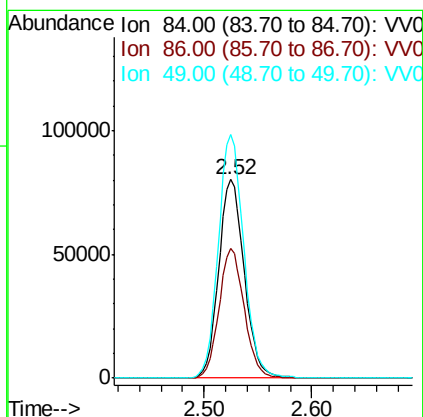
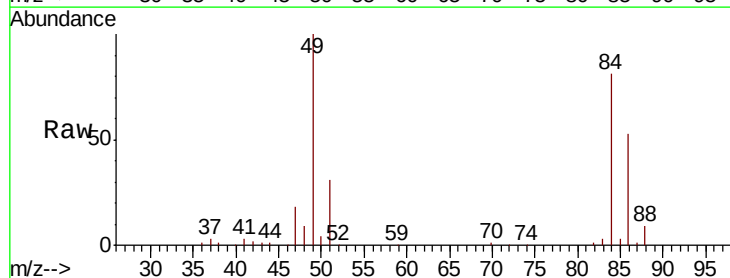
Instrument :
MSVOA_V
ClientSampleId :
VSTD05089

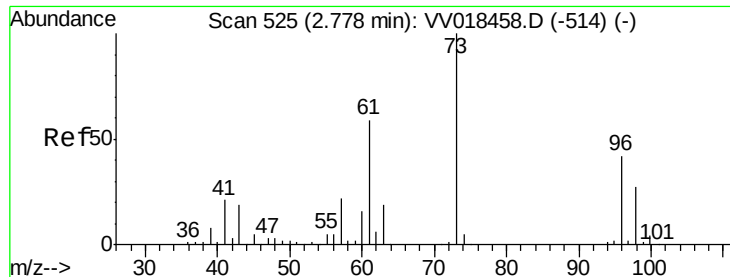
Tot Ion: 43 Resp: 129704
Ion Ratio Lower Upper
43 100
74 23.5 18.4 27.6



#16
Methylene chloride
Concen: 47.096 ug/L
RT: 2.52 min Scan# 446
Delta R.T. 0.00 min
Lab File: VV018480.D
Acq: 26 Sep 2020 00:33

Tgt Ion: 84 Resp: 132205
Ion Ratio Lower Upper
84 100
86 65.2 44.4 82.4
49 122.8 87.2 162.0





#17

trans-1,2-Dichloroethene

Concen: 46.990 ug/L

RT: 2.78 min Scan# 526

Delta R.T. 0.00 min

Lab File: VV018480.D

Acq: 26 Sep 2020 00:33

Instrument :

MSVOA_V

ClientSampleId :

VSTD05089

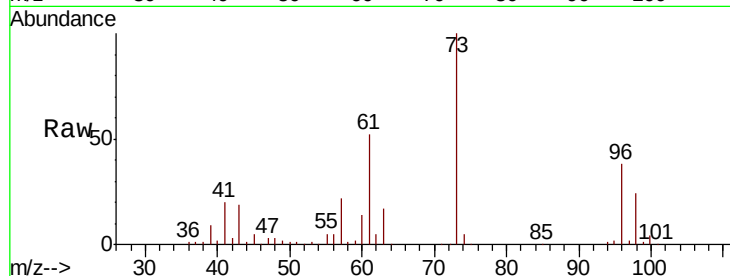
Tot Ion: 96 Resp: 121214

Ion Ratio Lower Upper

96 100

61 135.8 100.7 186.9

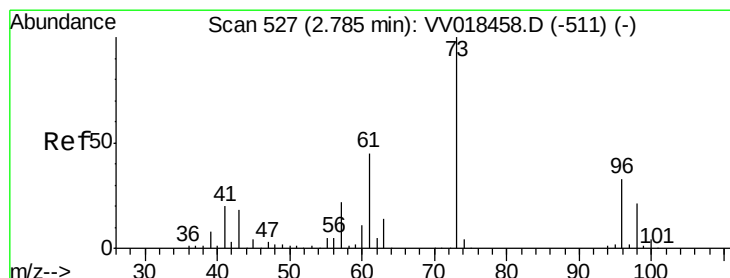
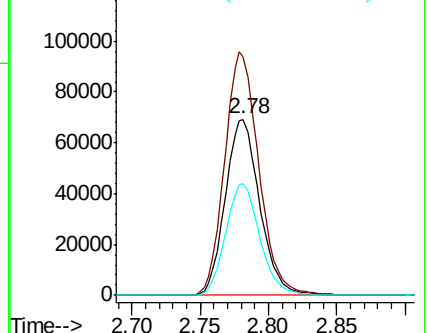
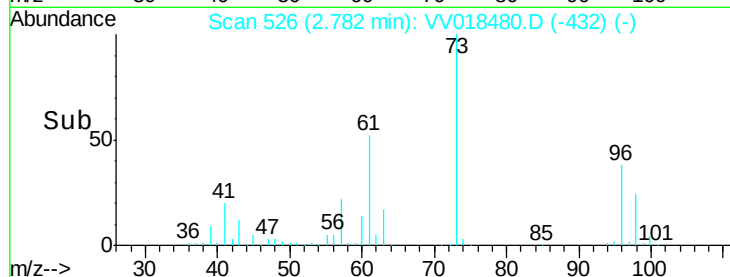
98 63.7 45.2 84.0



Abundance Ion 96.00 (95.70 to 96.70): VV018480.D (-432) (-)

Ion 61.00 (60.70 to 61.70): VV018480.D (-432) (-)

Ion 98.00 (97.70 to 98.70): VV018480.D (-432) (-)



#18

Methyl tert-butyl Ether

Concen: 49.939 ug/L

RT: 2.78 min Scan# 527

Delta R.T. 0.00 min

Lab File: VV018480.D

Acq: 26 Sep 2020 00:33

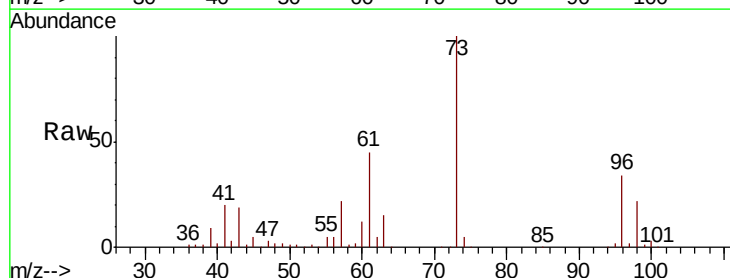
Tgt Ion: 73 Resp: 398486

Ion Ratio Lower Upper

73 100

43 18.2 15.4 23.0

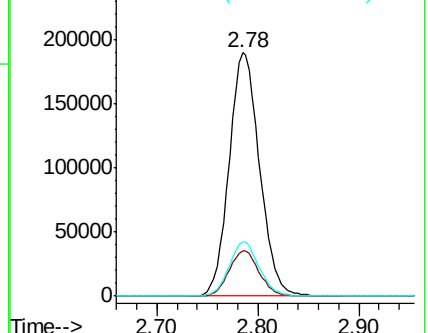
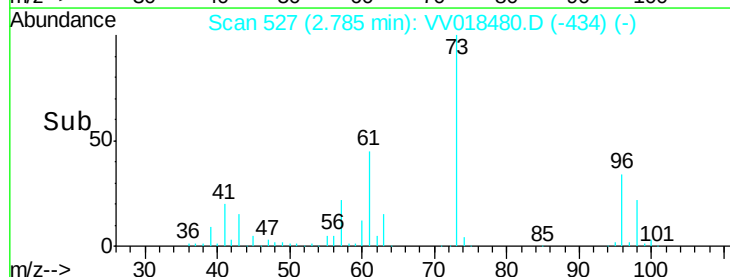
57 22.0 18.0 27.0

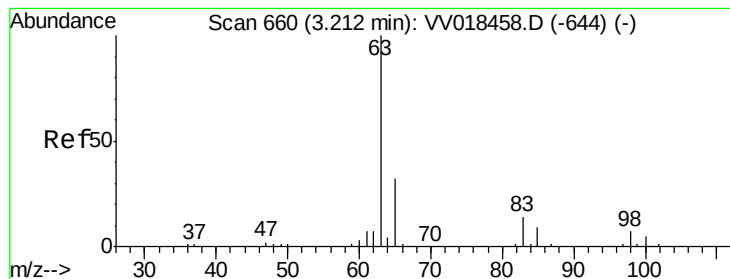


Abundance Ion 73.00 (72.70 to 73.70): VV018480.D (-434) (-)

Ion 43.00 (42.70 to 43.70): VV018480.D (-434) (-)

Ion 57.00 (56.70 to 57.70): VV018480.D (-434) (-)





#19

1,1-Dichloroethane

Concen: 47.592 ug/L

RT: 3.21 min Scan# 660

Delta R.T. 0.00 min

Lab File: VV018480.D

Acq: 26 Sep 2020 00:33

Instrument :

MSVOA_V

ClientSampled :

VSTD05089

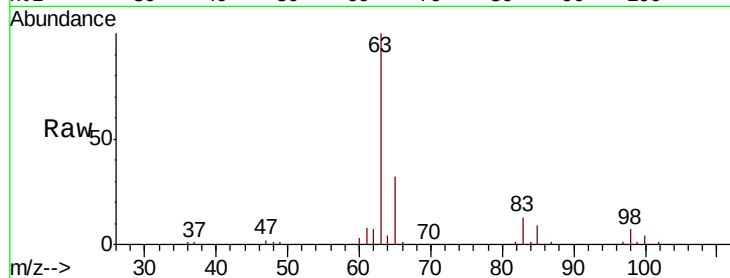
Tot Ion: 63 Resp: 232117

Ion Ratio Lower Upper

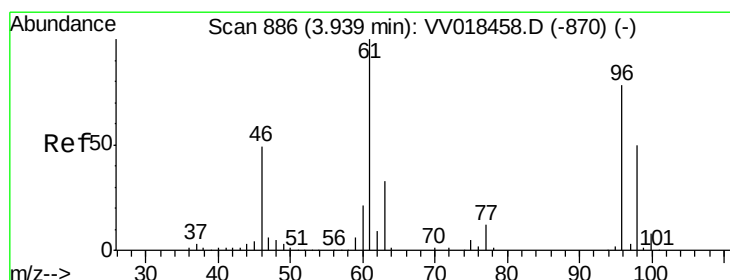
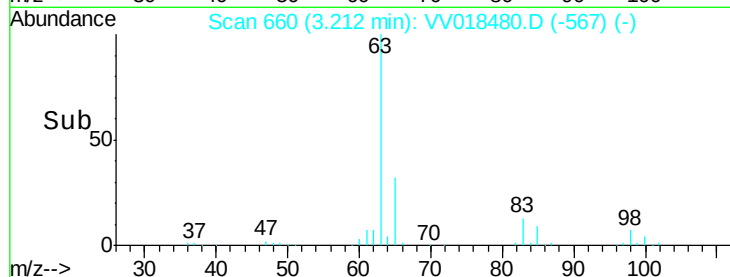
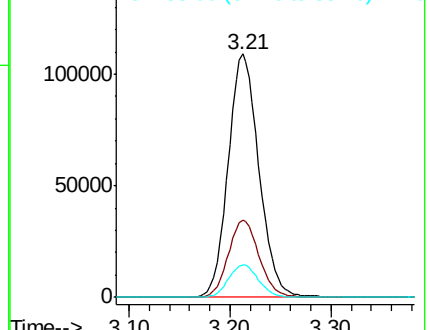
63 100

65 31.6 22.5 41.7

83 13.4 9.3 17.3



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: 49.263 ug/L

RT: 3.94 min Scan# 886

Delta R.T. 0.00 min

Lab File: VV018480.D

Acq: 26 Sep 2020 00:33

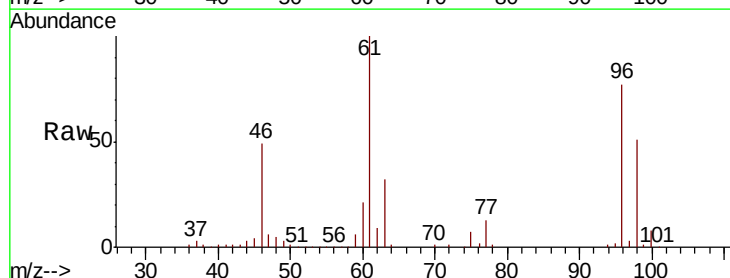
Tgt Ion: 96 Resp: 135843

Ion Ratio Lower Upper

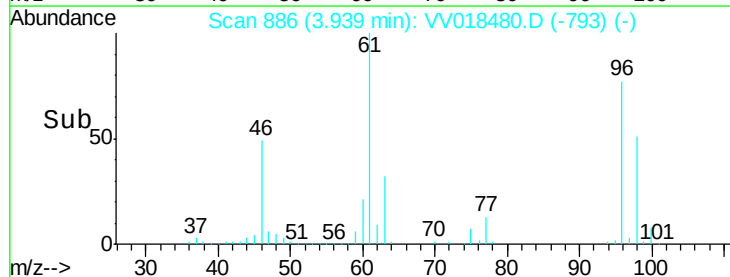
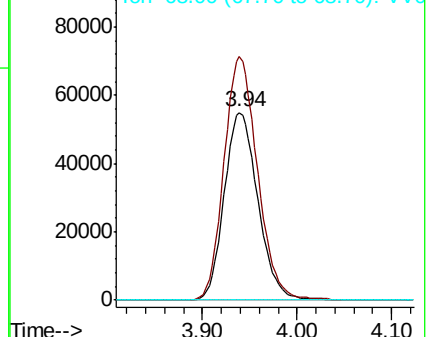
96 100

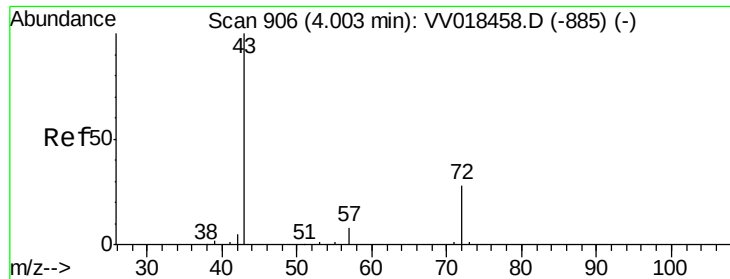
61 129.6 93.6 173.8

68 0.0 0.0 0.0



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: 95.323 ug/L

RT: 4.00 min Scan# 905

Delta R.T. -0.00 min

Lab File: VV018480.D

Acq: 26 Sep 2020 00:33

Instrument :

MSVOA_V

ClientSampleId :

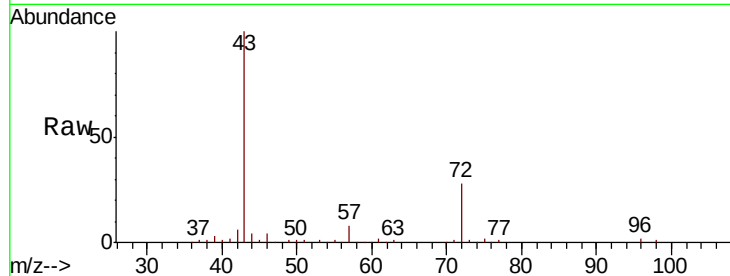
VSTD05089

Tot Ion: 43 Resp: 171874

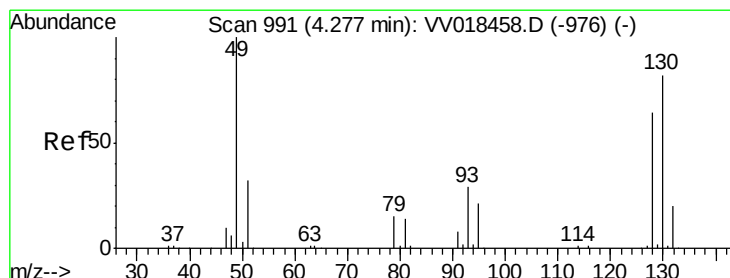
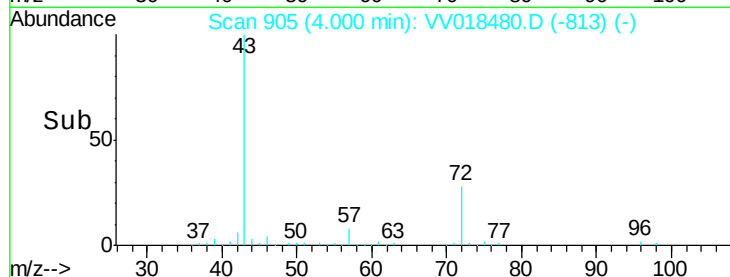
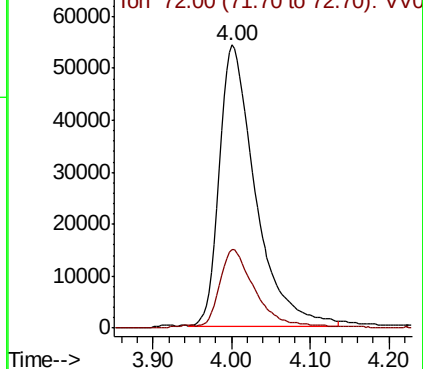
Ion Ratio Lower Upper

43 100

72 27.0 13.1 39.3



Abundance Ion 43.00 (42.70 to 43.70): VV018480.D (-813) (-)



#23

Bromochloromethane

Concen: 48.360 ug/L

RT: 4.28 min Scan# 991

Delta R.T. 0.00 min

Lab File: VV018480.D

Acq: 26 Sep 2020 00:33

Tgt Ion: 128 Resp: 69771

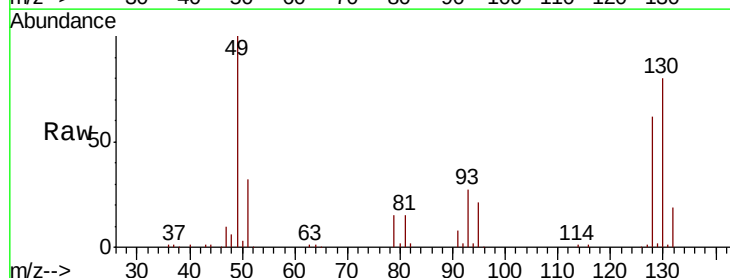
Ion Ratio Lower Upper

128 100

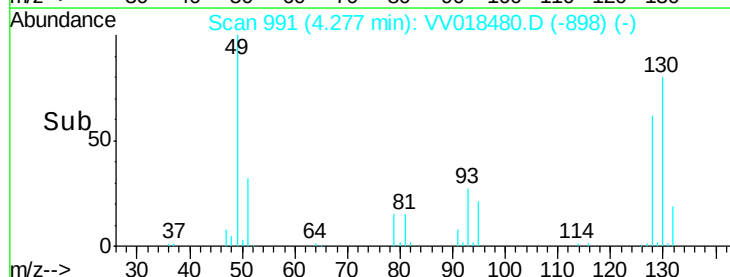
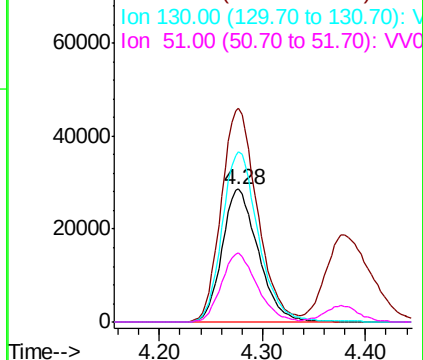
49 161.0 114.4 212.6

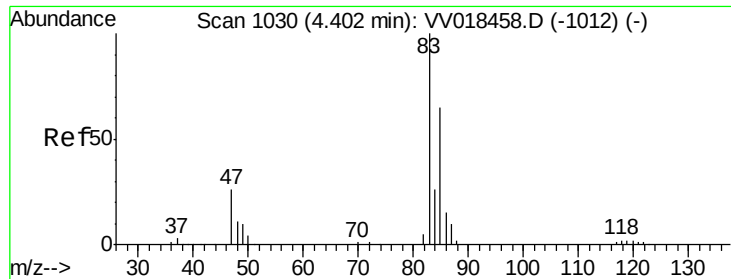
130 128.1 87.9 163.3

51 51.8 41.8 62.8



Abundance Ion 128.00 (127.70 to 128.70): VV018480.D (-898) (-)

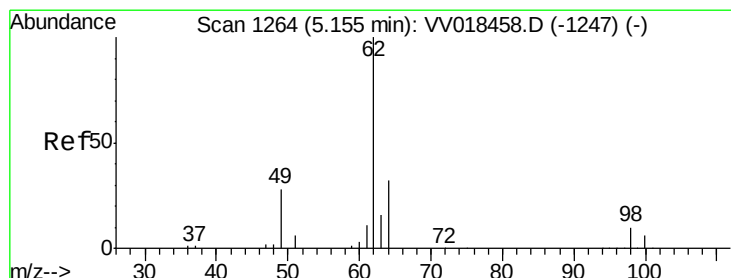
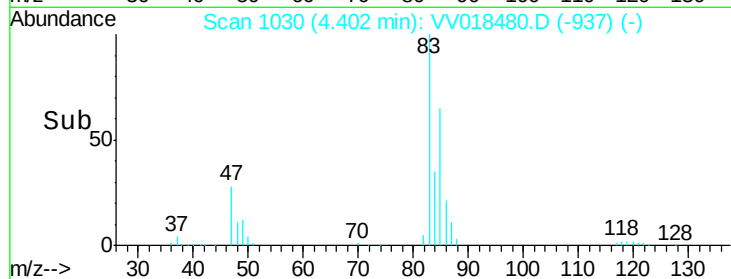
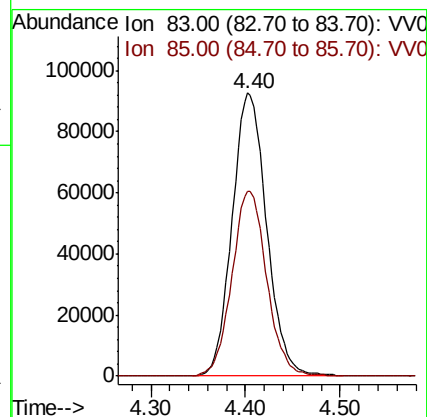
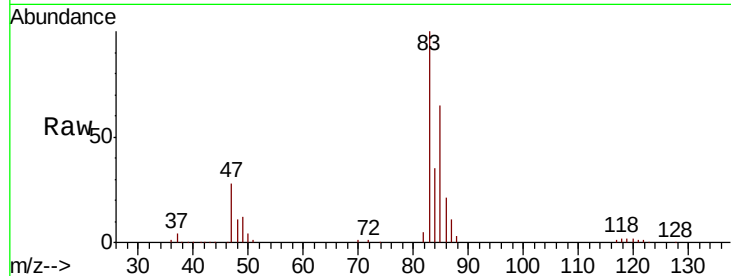




#25
Chloroform
Concen: 47.335 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VV018480.D
Acq: 26 Sep 2020 00:33

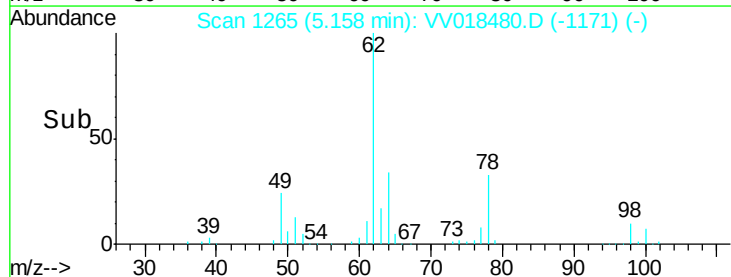
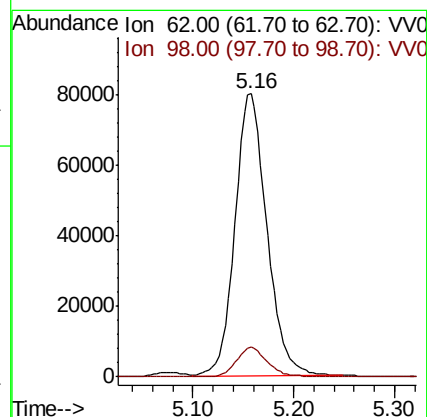
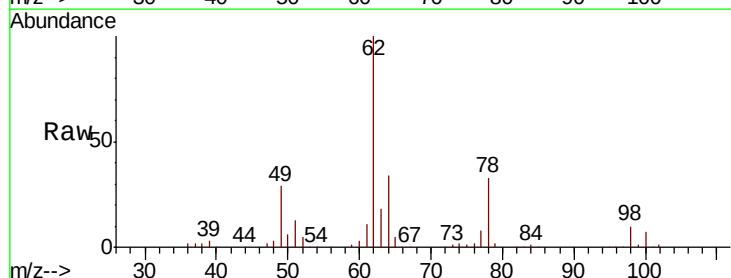
Instrument :
MSVOA_V
ClientSampleId :
VSTD05089

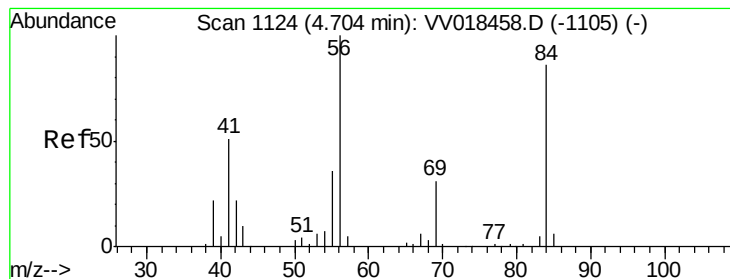
Tot Ion: 83 Resp: 234669
Ion Ratio Lower Upper
83 100
85 65.5 45.0 83.6



#27
1,2-Dichloroethane
Concen: 46.029 ug/L
RT: 5.16 min Scan# 1265
Delta R.T. 0.00 min
Lab File: VV018480.D
Acq: 26 Sep 2020 00:33

Tgt Ion: 62 Resp: 176657
Ion Ratio Lower Upper
62 100
98 10.4 7.6 11.4





#29

Cyclohexane

Concen: 46.080 ug/L

RT: 4.70 min Scan# 1124

Delta R.T. 0.00 min

Lab File: VV018480.D

Acq: 26 Sep 2020 00:33

Instrument :

MSVOA_V

ClientSampleId :

VSTD05089

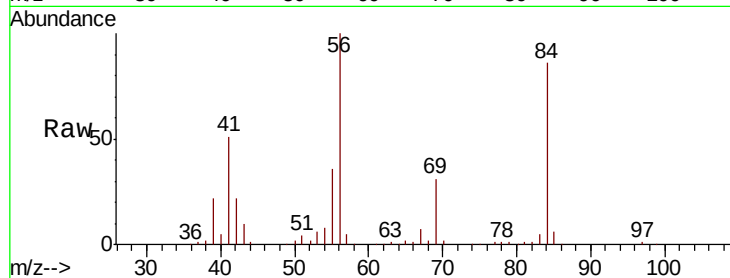
Tot Ion: 56 Resp: 194207

Ion Ratio Lower Upper

56 100

69 30.5 24.2 36.2

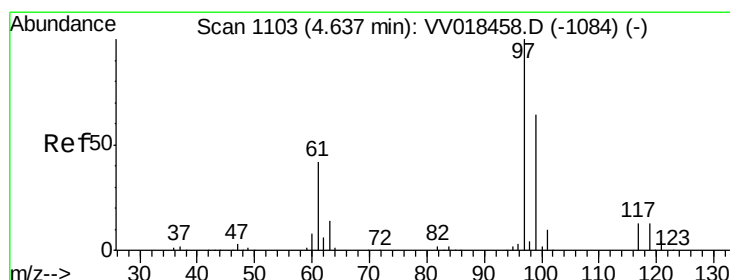
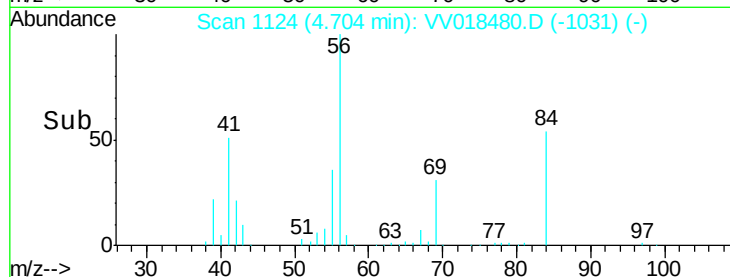
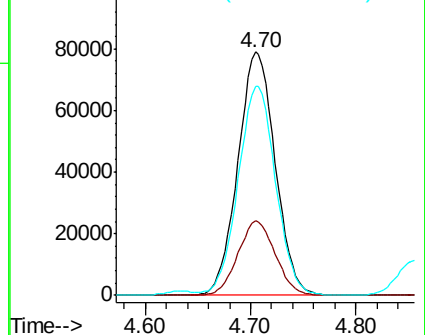
84 86.6 68.3 102.5



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: 47.796 ug/L

RT: 4.64 min Scan# 1103

Delta R.T. 0.00 min

Lab File: VV018480.D

Acq: 26 Sep 2020 00:33

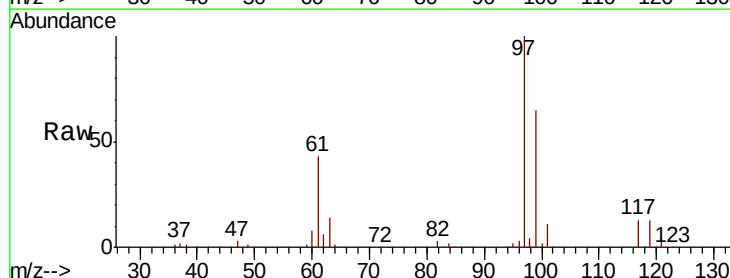
Tgt Ion: 97 Resp: 202453

Ion Ratio Lower Upper

97 100

99 64.5 51.6 77.4

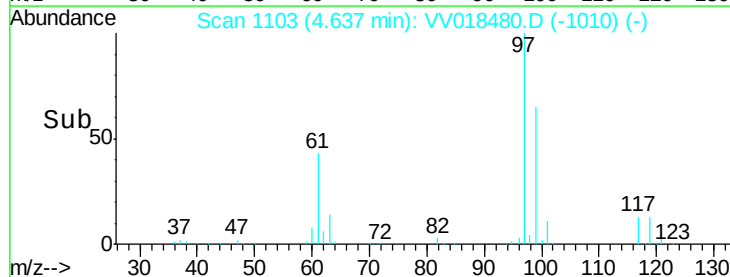
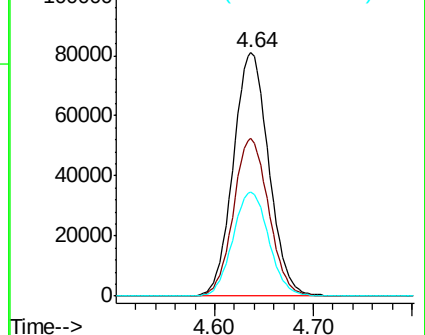
61 43.4 34.9 52.3

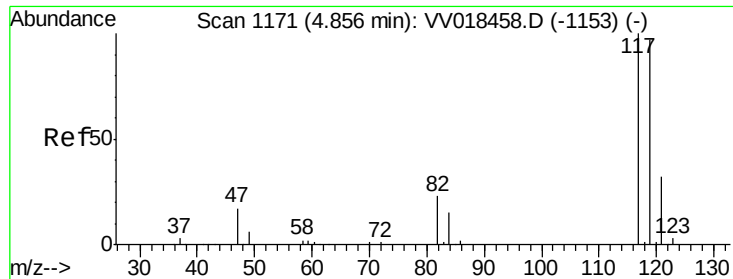


Abundance Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

Ion 61.05 (60.75 to 61.75): VV0





#31

Carbon tetrachloride

Concen: 46.531 ug/L

RT: 4.86 min Scan# 1171

Delta R.T. 0.00 min

Lab File: VV018480.D

Acq: 26 Sep 2020 00:33

Instrument :

MSVOA_V

ClientSampleId :

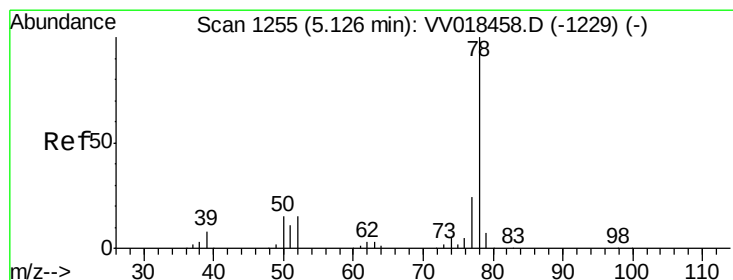
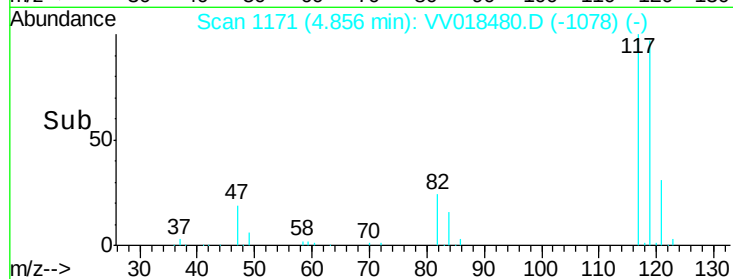
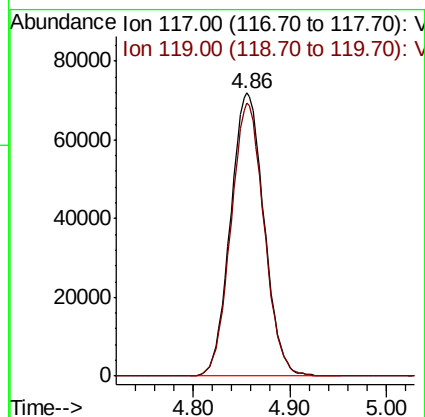
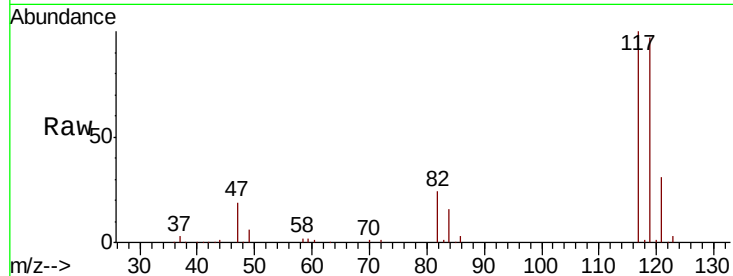
VSTD05089

Tot Ion:117 Resp: 173308

Ion Ratio Lower Upper

117 100

119 95.2 75.7 113.5



#33

Benzene

Concen: 49.450 ug/L

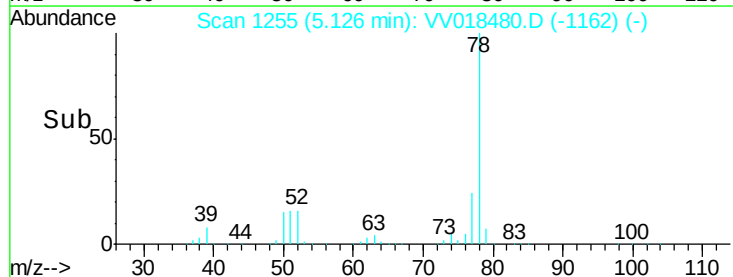
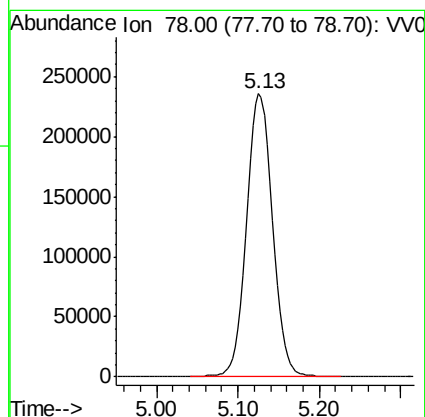
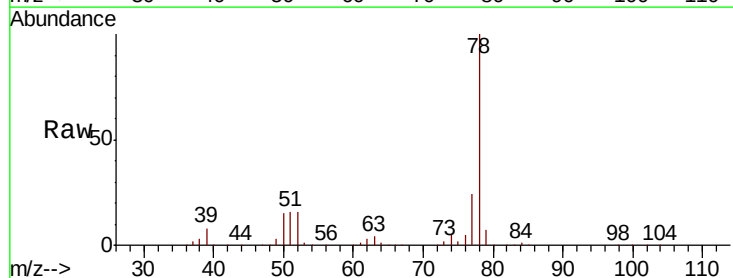
RT: 5.13 min Scan# 1255

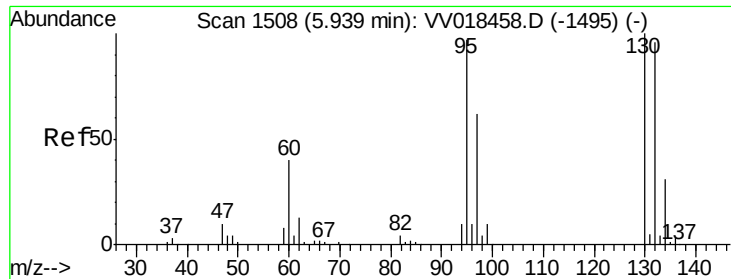
Delta R.T. 0.00 min

Lab File: VV018480.D

Acq: 26 Sep 2020 00:33

Tgt Ion: 78 Resp: 516029





#34

Trichloroethene

Concen: 49.070 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VV018480.D

Acq: 26 Sep 2020 00:33

Instrument :

MSVOA_V

ClientSampleId :

VSTD05089

Tot Ion: 95 Resp: 139492

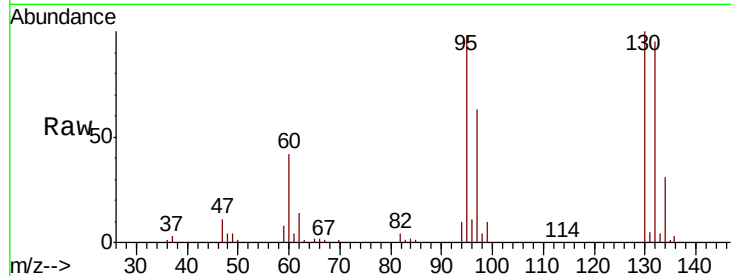
Ion Ratio Lower Upper

95 100

97 64.6 46.3 85.9

132 97.2 68.1 126.5

130 102.2 71.5 132.9

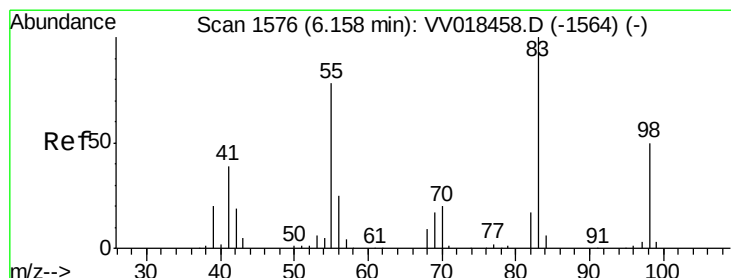
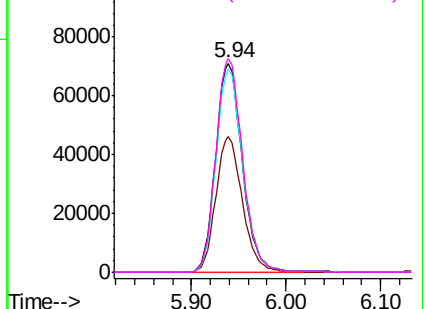
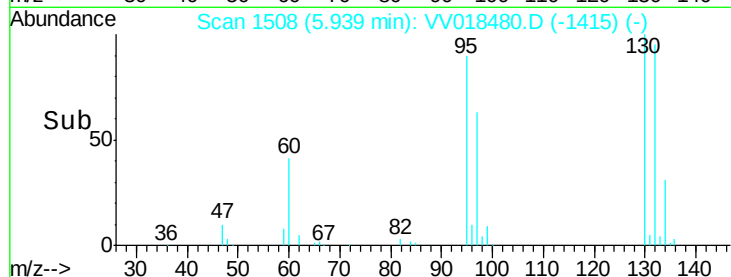


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 42.141 ug/L

RT: 6.16 min Scan# 1576

Delta R.T. 0.00 min

Lab File: VV018480.D

Acq: 26 Sep 2020 00:33

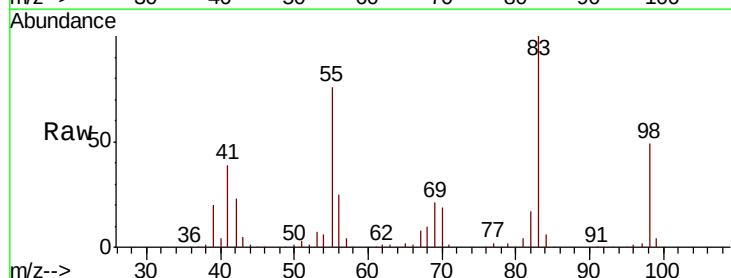
Tgt Ion: 83 Resp: 180370

Ion Ratio Lower Upper

83 100

55 76.4 63.4 95.2

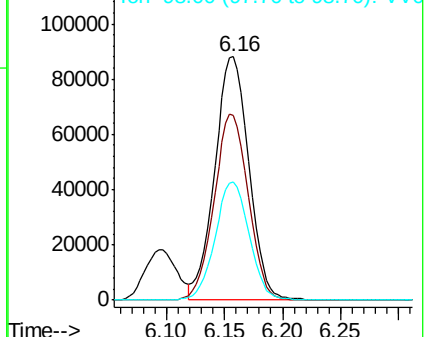
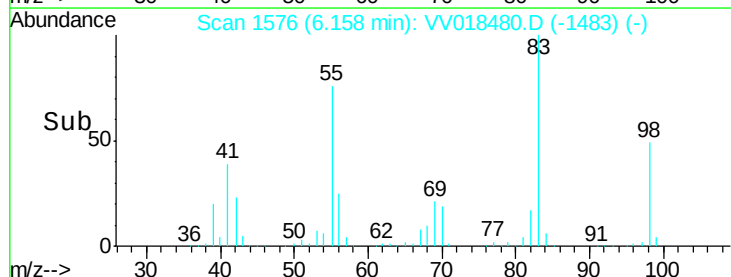
98 48.4 38.8 58.2

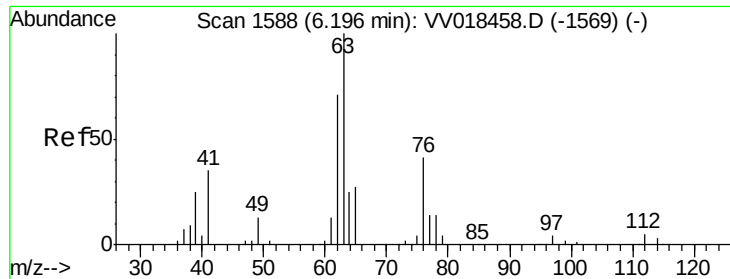


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

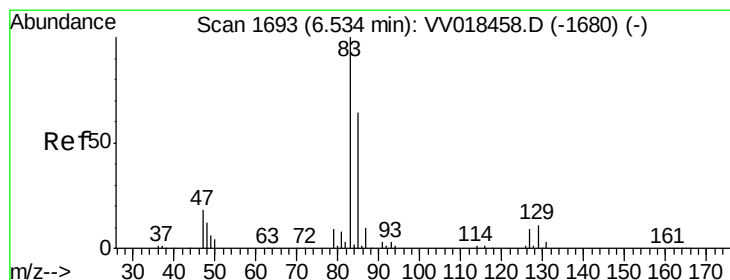
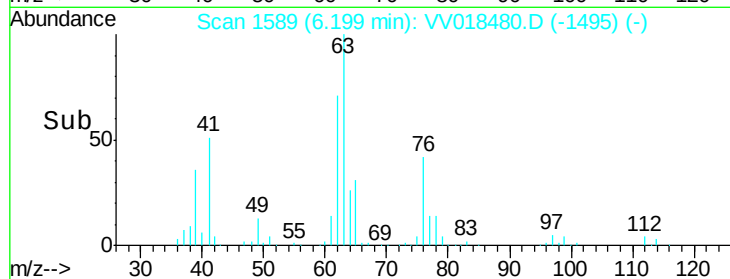
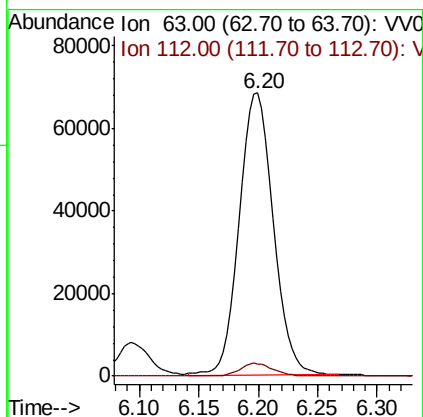
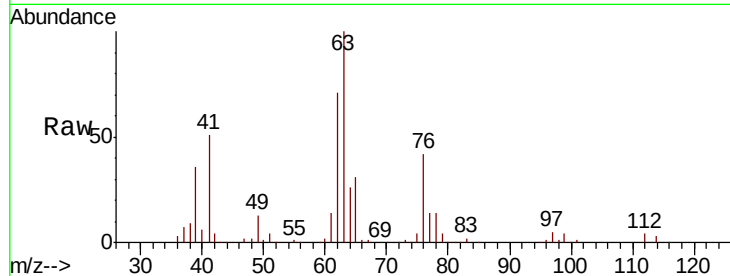




#37
 1,2-Dichloropropane
 Concen: 49.264 ug/L
 RT: 6.20 min Scan# 1589
 Delta R.T. 0.00 min
 Lab File: VV018480.D
 Acq: 26 Sep 2020 00:33

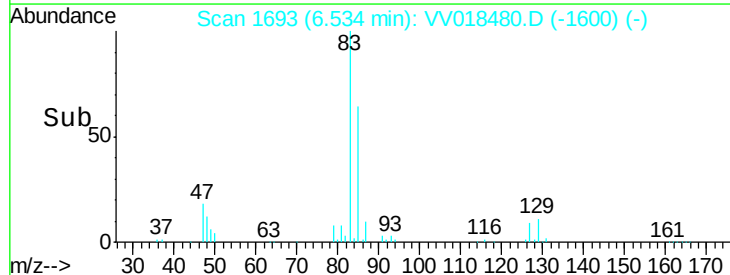
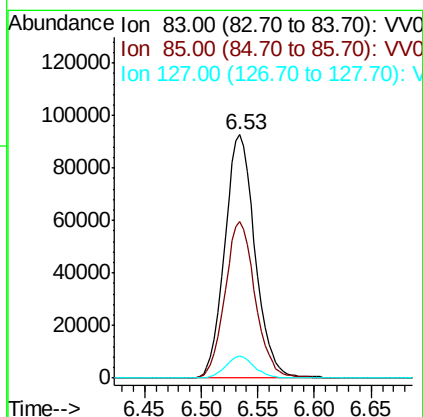
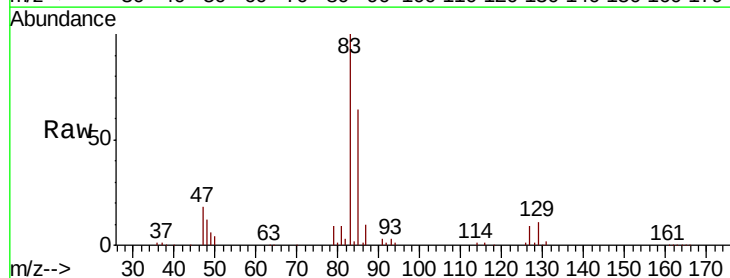
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05089

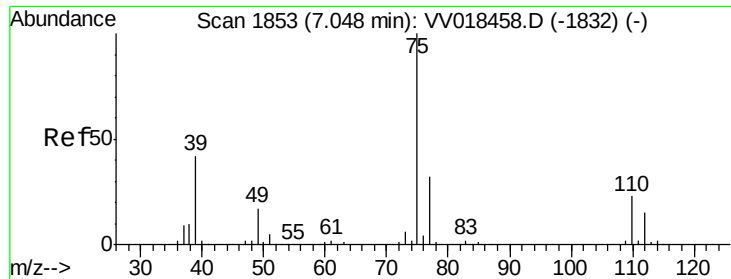
Tot Ion: 63 Resp: 136227
 Ion Ratio Lower Upper
 63 100
 112 4.4 3.4 5.2



#38
 Bromodichloromethane
 Concen: 48.025 ug/L
 RT: 6.53 min Scan# 1693
 Delta R.T. 0.00 min
 Lab File: VV018480.D
 Acq: 26 Sep 2020 00:33

Tgt Ion: 83 Resp: 172818
 Ion Ratio Lower Upper
 83 100
 85 64.1 44.7 82.9
 127 8.9 6.7 10.1

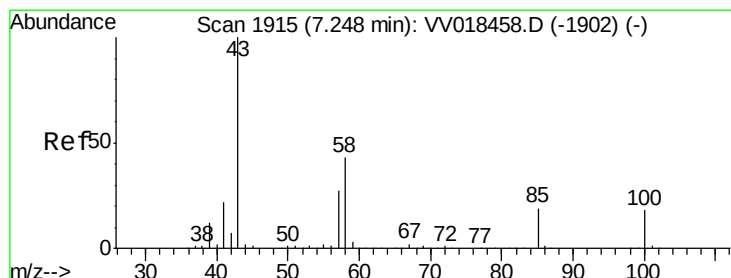
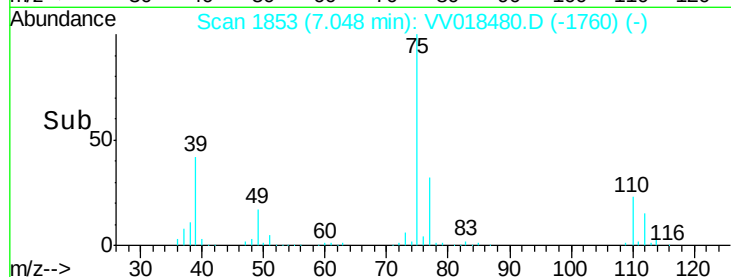
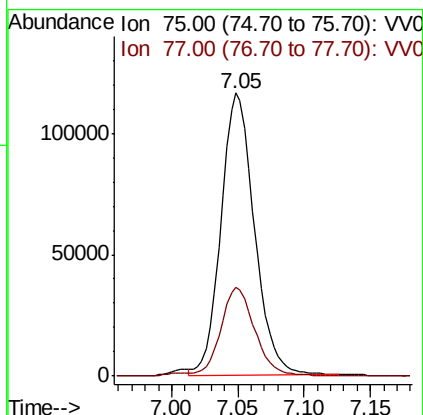
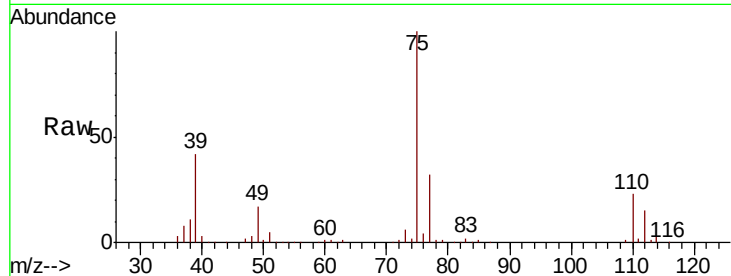




#39
 cis-1,3-Dichloropropene
 Concen: 47.776 ug/L
 RT: 7.05 min Scan# 1853
 Delta R.T. 0.00 min
 Lab File: VV018480.D
 Acq: 26 Sep 2020 00:33

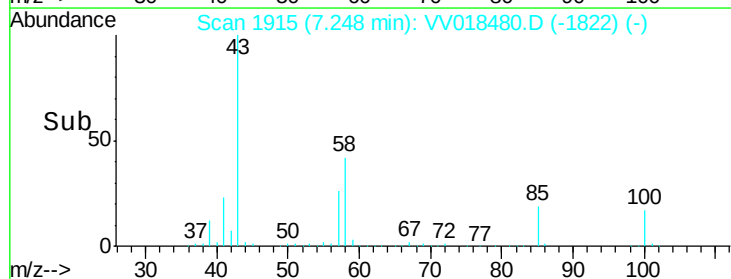
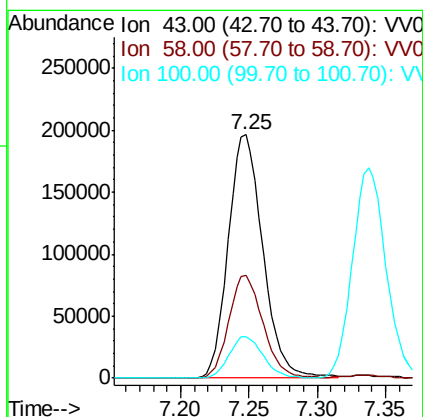
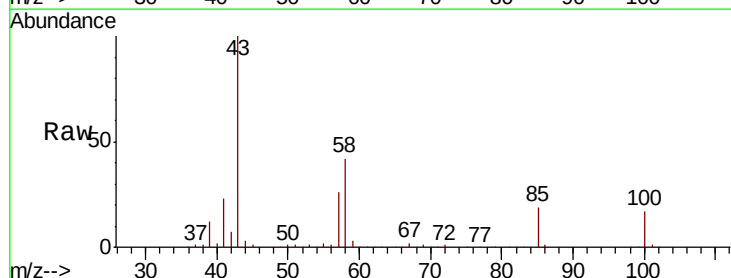
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05089

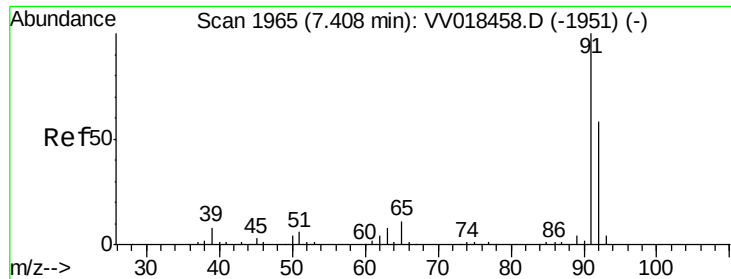
Tot Ion: 75 Resp: 203552
 Ion Ratio Lower Upper
 75 100
 77 31.6 22.3 41.3



#40
 4-Methyl-2-pentanone
 Concen: 103.318 ug/L
 RT: 7.25 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VV018480.D
 Acq: 26 Sep 2020 00:33

Tgt Ion: 43 Resp: 346597
 Ion Ratio Lower Upper
 43 100
 58 41.6 32.4 48.6
 100 16.8 12.7 19.1





#42

Toluene

Concen: 50.067 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VV018480.D

Acq: 26 Sep 2020 00:33

Instrument :

MSVOA_V

ClientSampleId :

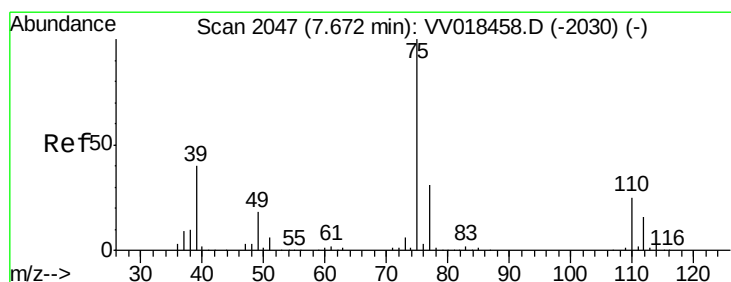
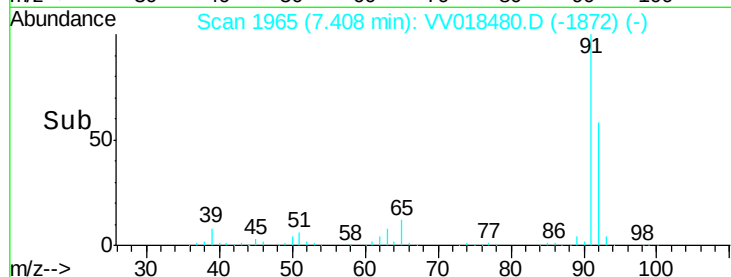
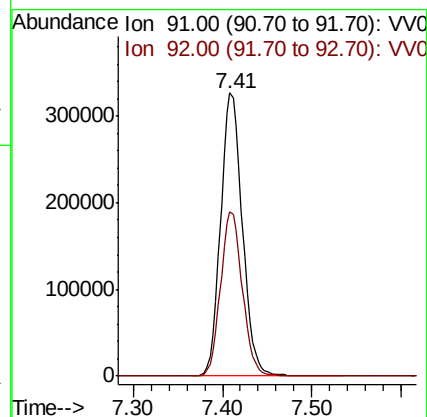
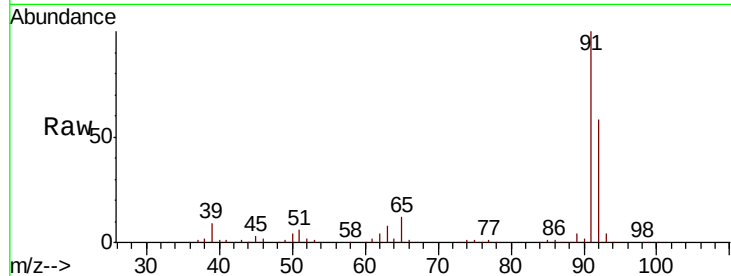
VSTD05089

Tot Ion: 91 Resp: 552905

Ion Ratio Lower Upper

91 100

92 58.1 40.7 75.5



#44

trans-1,3-Dichloropropene

Concen: 48.595 ug/L

RT: 7.67 min Scan# 2047

Delta R.T. 0.00 min

Lab File: VV018480.D

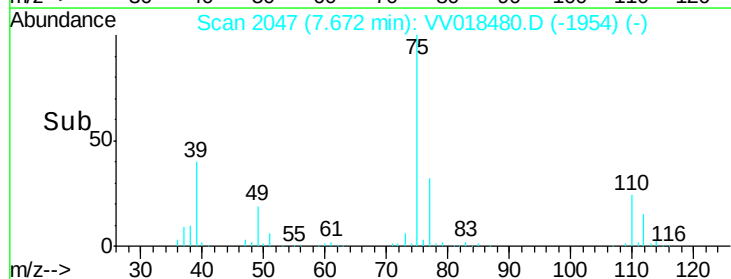
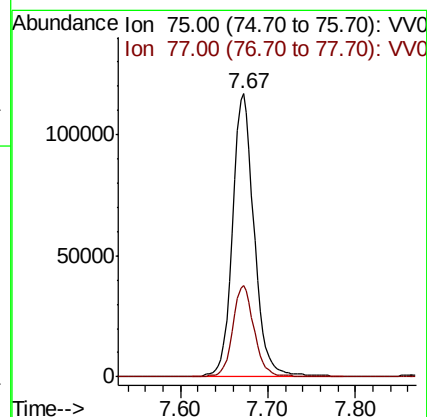
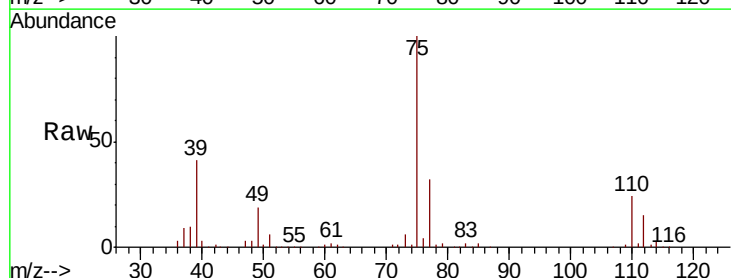
Acq: 26 Sep 2020 00:33

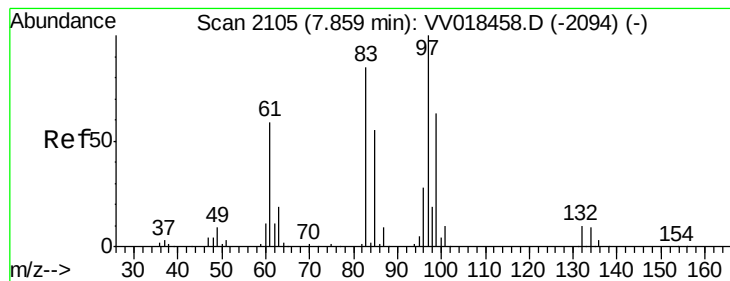
Tgt Ion: 75 Resp: 201587

Ion Ratio Lower Upper

75 100

77 32.4 22.3 41.5





#45

1,1,2-Trichloroethane

Concen: 50.401 ug/L

RT: 7.86 min Scan# 2105

Delta R.T. 0.00 min

Lab File: VV018480.D

Acq: 26 Sep 2020 00:33

Instrument :

MSVOA_V

ClientSampleId :

VSTD05089

Tot Ion: 97 Resp: 129179

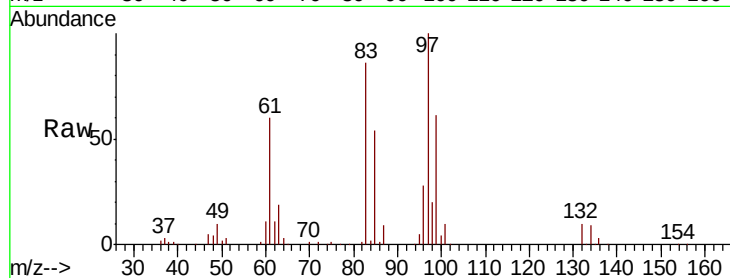
Ion Ratio Lower Upper

97 100

99 60.9 43.7 81.1

83 85.7 59.9 111.3

85 54.4 37.6 69.8



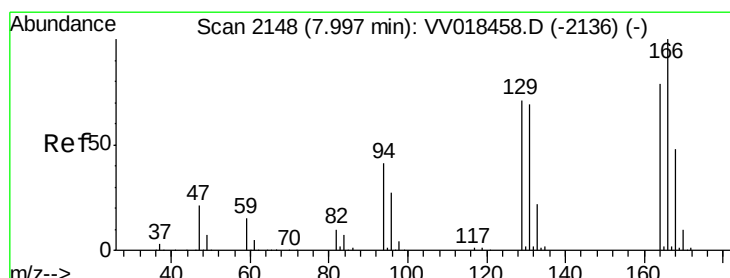
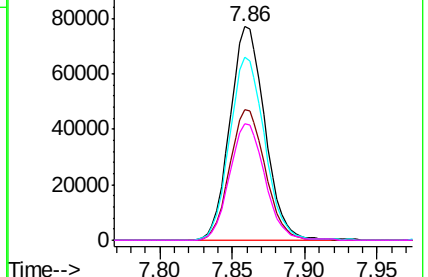
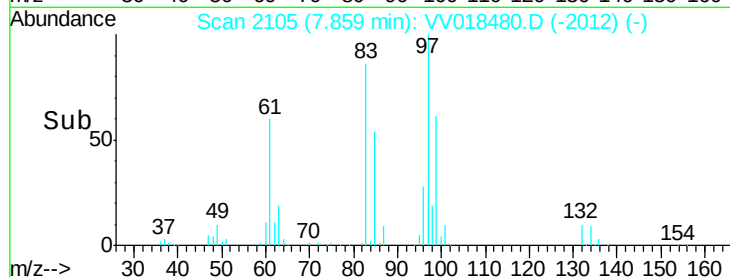
Abundance Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Time-->



#46

Tetrachloroethene

Concen: 46.058 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. 0.00 min

Lab File: VV018480.D

Acq: 26 Sep 2020 00:33

Tgt Ion: 164 Resp: 102659

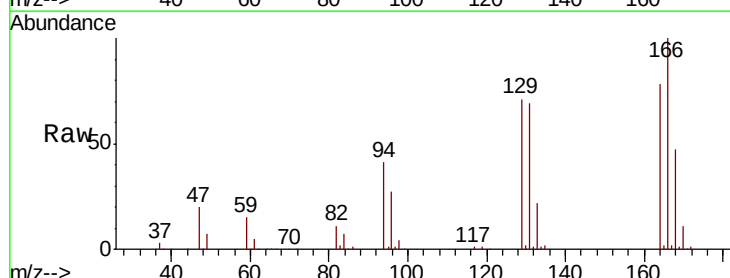
Ion Ratio Lower Upper

164 100

129 91.5 64.5 119.7

131 88.3 61.8 114.8

166 128.3 90.6 168.2



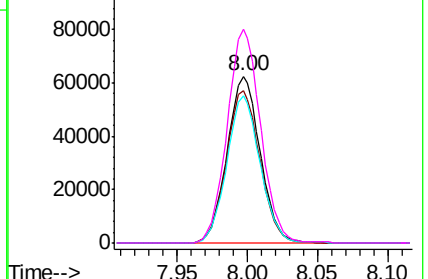
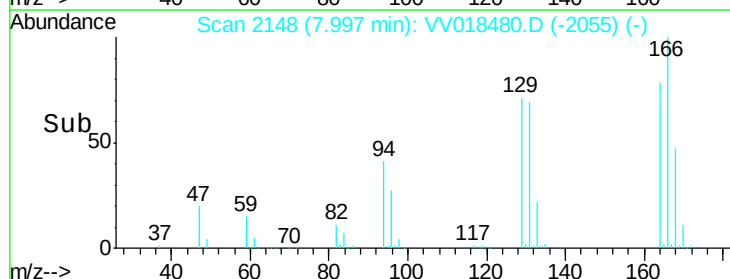
Abundance Ion 164.00 (163.70 to 164.70): V

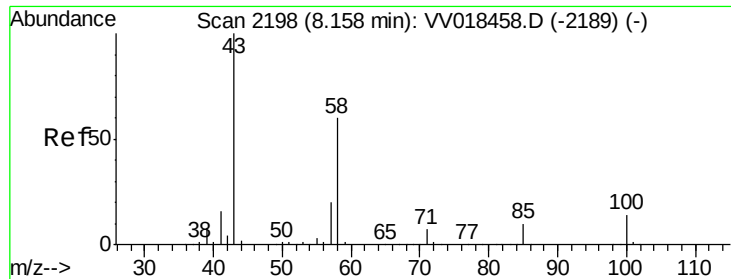
Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

Time-->

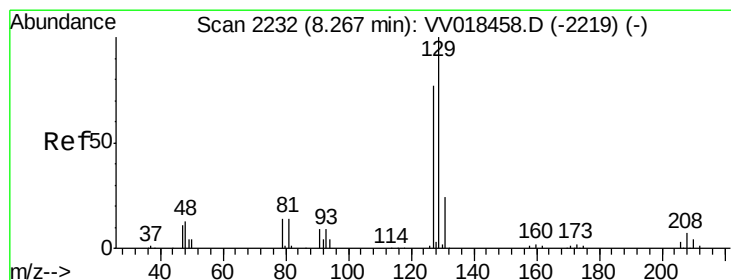
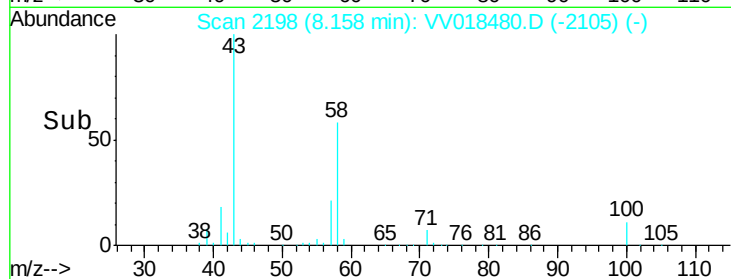
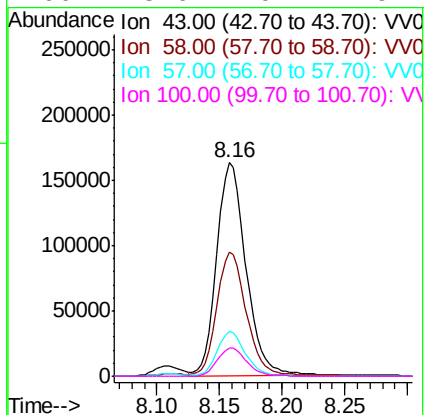
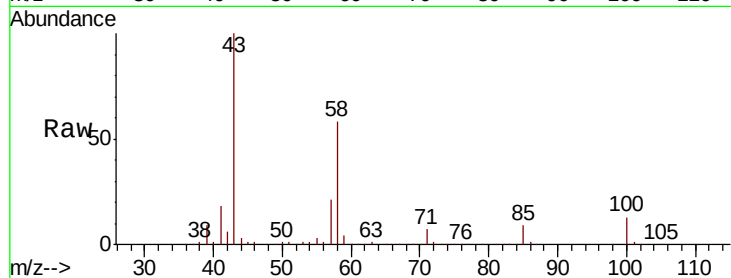




#48
2-Hexanone
Concen: 99.695 ug/L
RT: 8.16 min Scan# 2198
Delta R.T. 0.00 min
Lab File: VV018480.D
Acq: 26 Sep 2020 00:33

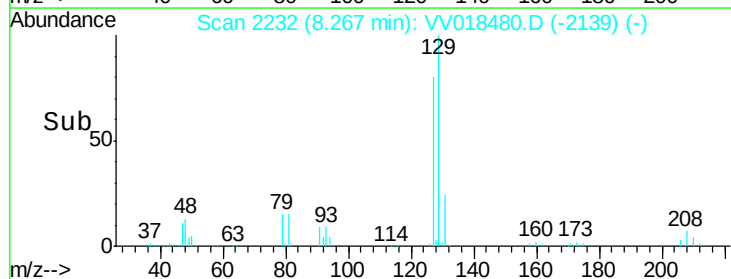
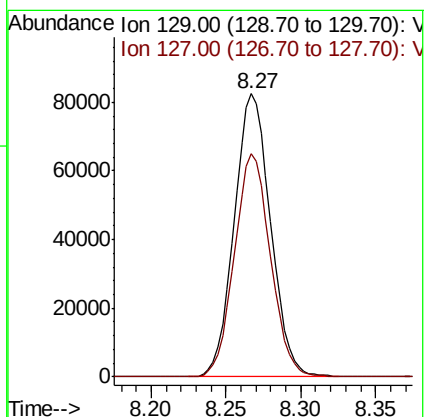
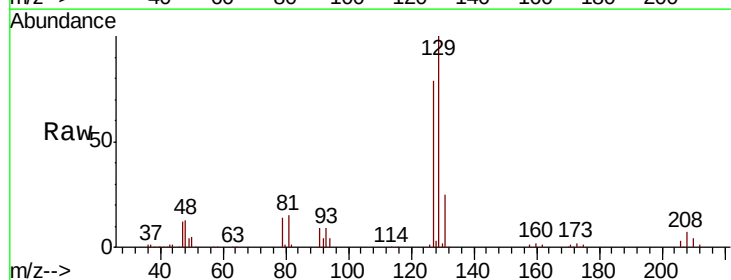
Instrument :
MSVOA_V
ClientSampleId :
VSTD05089

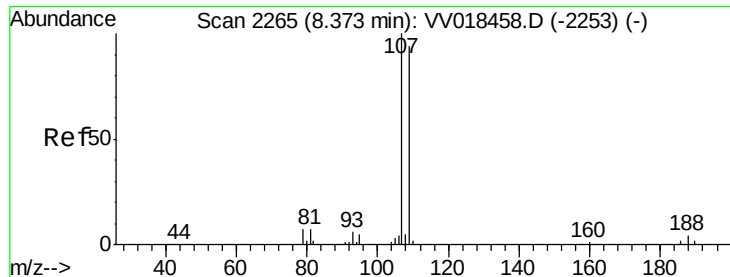
Tot Ion: 43 Resp: 263670
Ion Ratio Lower Upper
43 100
58 59.1 44.8 67.2
57 20.2 15.8 23.6
100 13.6 10.2 15.4



#49
Dibromochloromethane
Concen: 48.529 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. 0.00 min
Lab File: VV018480.D
Acq: 26 Sep 2020 00:33

Tgt Ion: 129 Resp: 139614
Ion Ratio Lower Upper
129 100
127 78.9 54.5 101.1

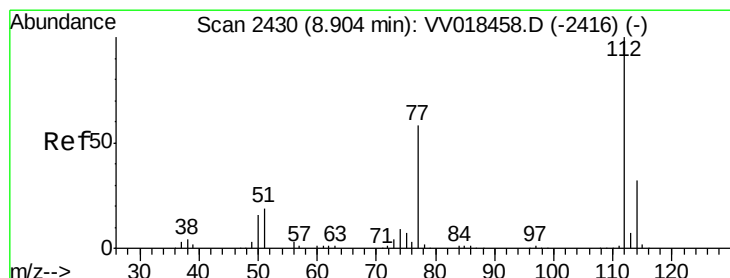
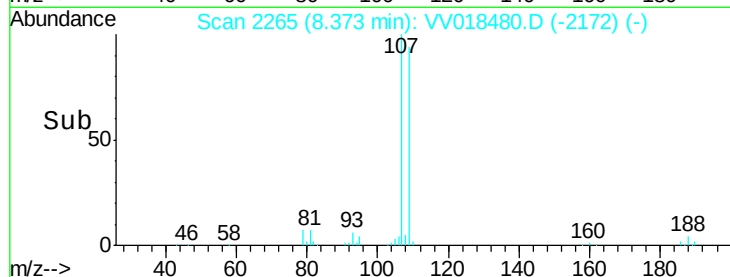
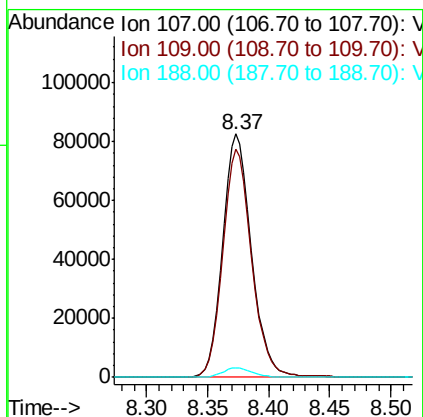
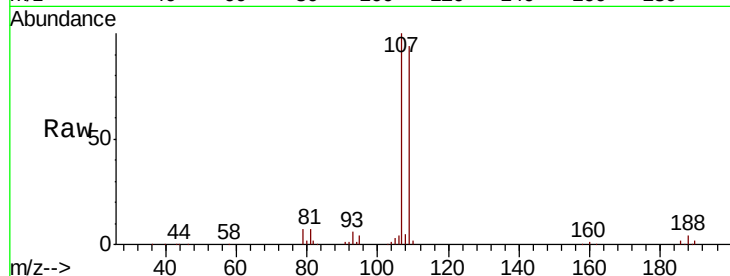




#50
1,2-Dibromoethane
Concen: 50.725 ug/L
RT: 8.37 min Scan# 2265
Delta R.T. 0.00 min
Lab File: VV018480.D
Acq: 26 Sep 2020 00:33

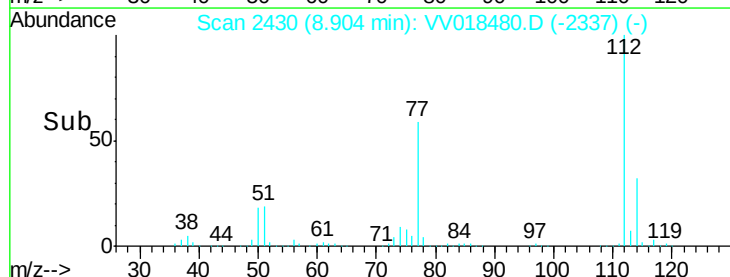
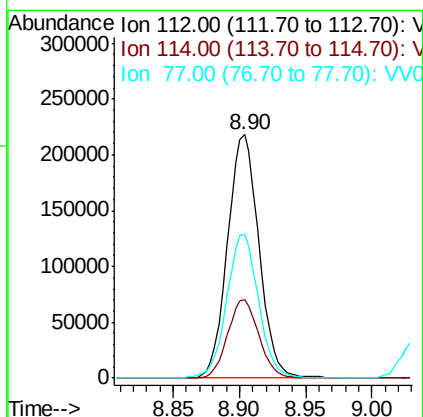
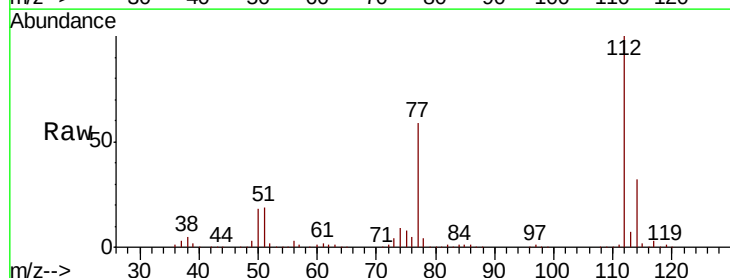
Instrument :
MSVOA_V
ClientSampleId :
VSTD05089

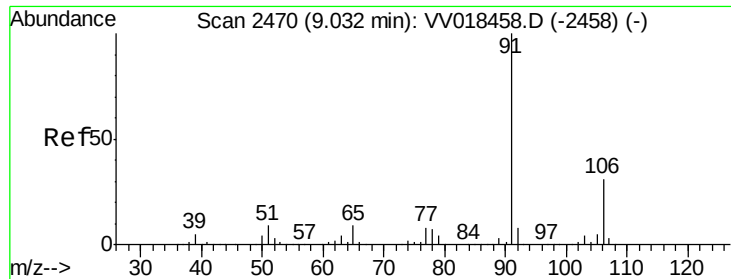
Tot Ion	Ratio	Lower	Upper
107	100		
109	93.6	66.1	122.8
188	4.0	3.2	4.8



#51
Chlorobenzene
Concen: 50.085 ug/L
RT: 8.90 min Scan# 2430
Delta R.T. 0.00 min
Lab File: VV018480.D
Acq: 26 Sep 2020 00:33

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.3	22.6	42.0
77	58.9	48.0	72.0





#52

Ethylbenzene

Concen: 50.362 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. 0.00 min

Lab File: VV018480.D

Acq: 26 Sep 2020 00:33

Instrument :

MSVOA_V

ClientSampleId :

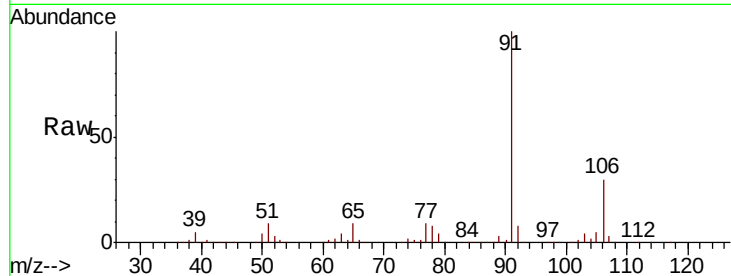
VSTD05089

Tot Ion: 91 Resp: 607192

Ion Ratio Lower Upper

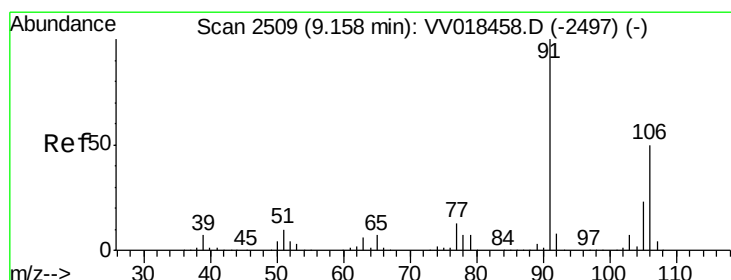
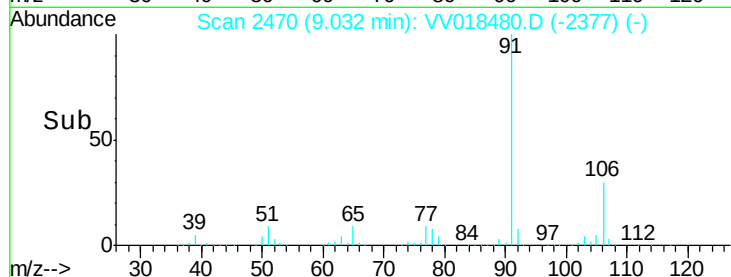
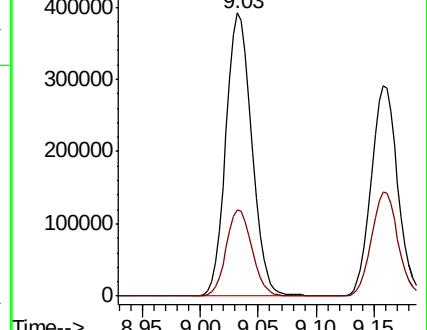
91 100

106 30.4 21.3 39.5



Abundance Ion 91.00 (90.70 to 91.70): VV018480.D (-2377) (-)

Ion 106.00 (105.70 to 106.70): VV018480.D (-2377) (-)



#53

m,p-Xylene

Concen: 50.763 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VV018480.D

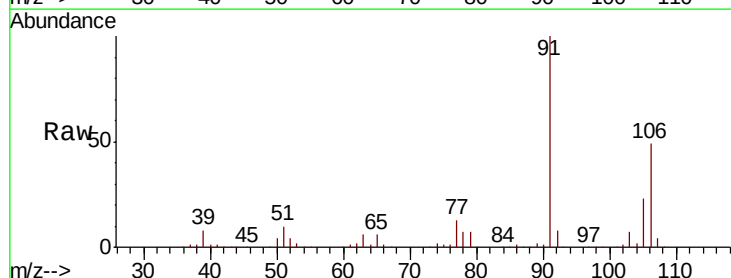
Acq: 26 Sep 2020 00:33

Tgt Ion: 106 Resp: 228442

Ion Ratio Lower Upper

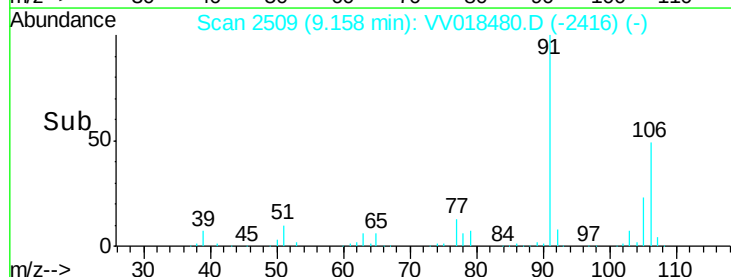
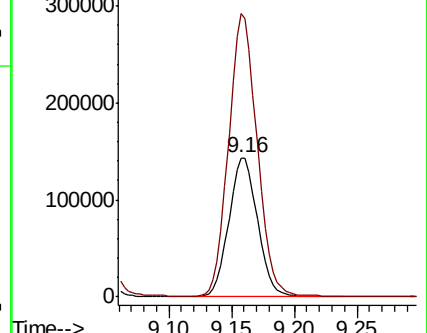
106 100

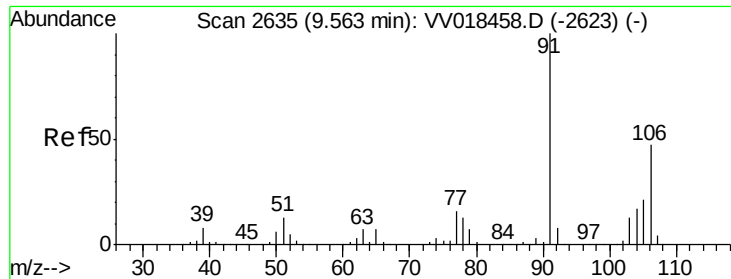
91 203.3 146.7 272.5



Abundance Ion 106.00 (105.70 to 106.70): VV018480.D (-2416) (-)

Ion 91.00 (90.70 to 91.70): VV018480.D (-2416) (-)





#54

o-xylene

Concen: 51.777 ug/L

RT: 9.56 min Scan# 2635

Delta R.T. 0.00 min

Lab File: VV018480.D

Acq: 26 Sep 2020 00:33

Instrument :

MSVOA_V

ClientSampleId :

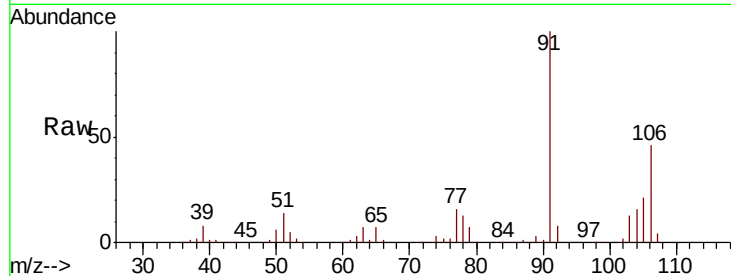
VSTD05089

Tot Ion:106 Resp: 224475

Ion Ratio Lower Upper

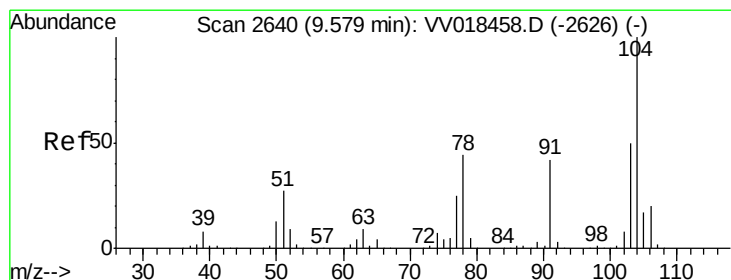
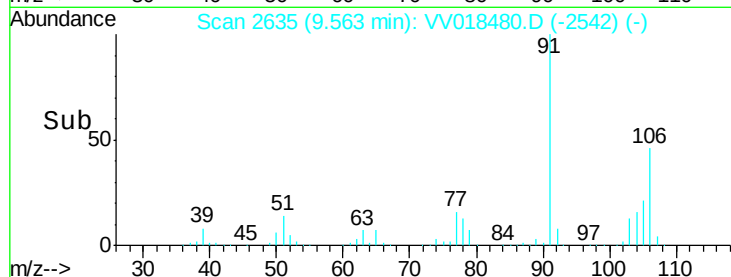
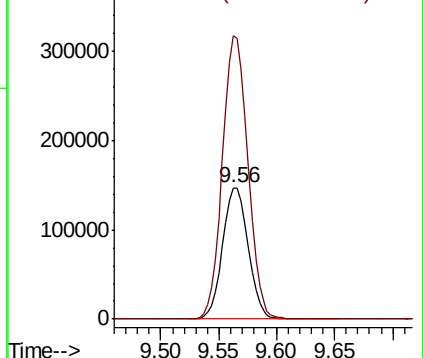
106 100

91 215.6 152.2 282.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 52.253 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. 0.00 min

Lab File: VV018480.D

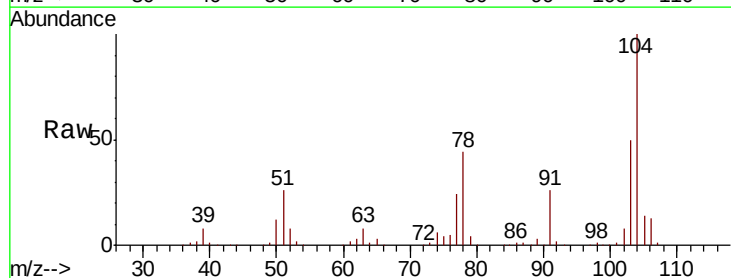
Acq: 26 Sep 2020 00:33

Tgt Ion:104 Resp: 393750

Ion Ratio Lower Upper

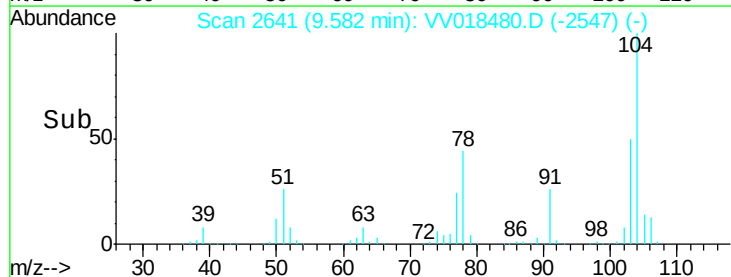
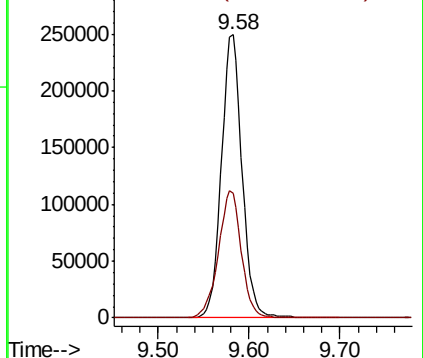
104 100

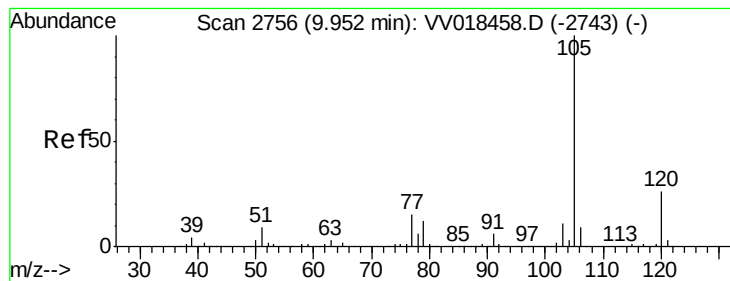
78 43.9 31.4 58.2



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 50.522 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV018480.D

Acq: 26 Sep 2020 00:33

Instrument :

MSVOA_V

ClientSampleId :

VSTD05089

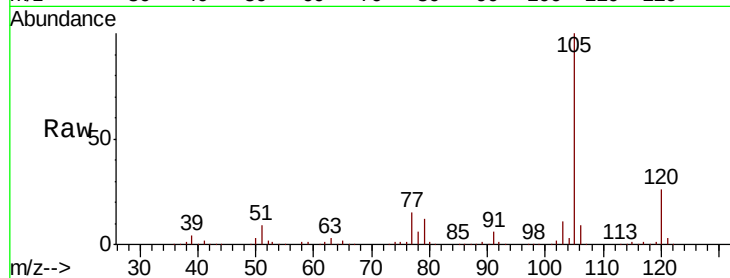
Tot Ion:105 Resp: 590321

Ion Ratio Lower Upper

105 100

120 25.9 20.9 31.3

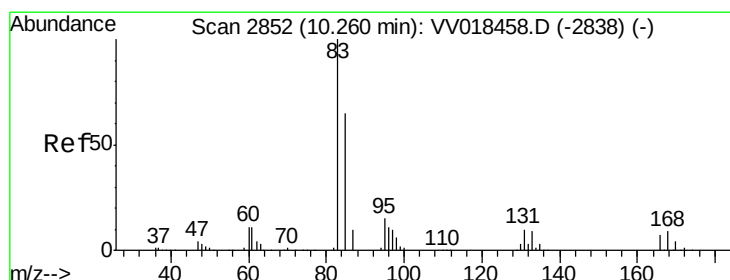
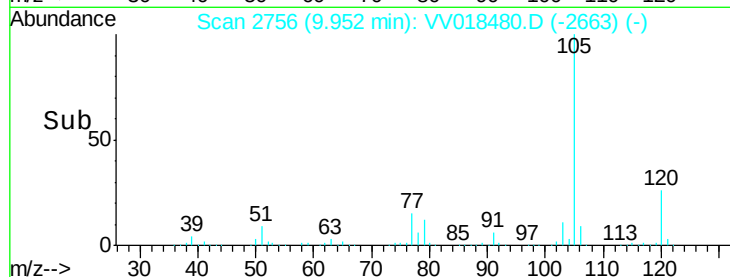
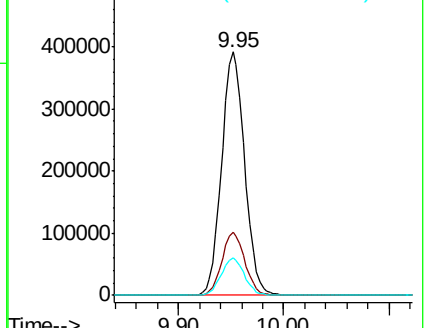
77 15.5 12.5 18.7



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: 50.993 ug/L

RT: 10.26 min Scan# 2852

Delta R.T. 0.00 min

Lab File: VV018480.D

Acq: 26 Sep 2020 00:33

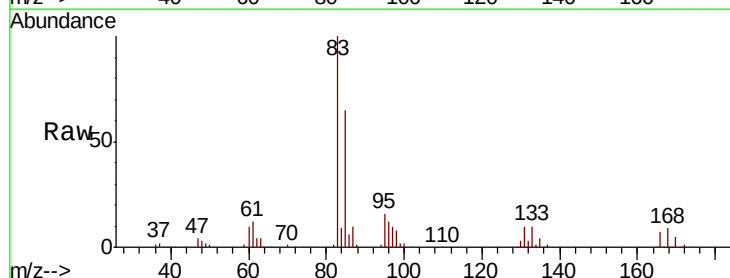
Tgt Ion: 83 Resp: 193331

Ion Ratio Lower Upper

83 100

85 65.3 45.8 85.2

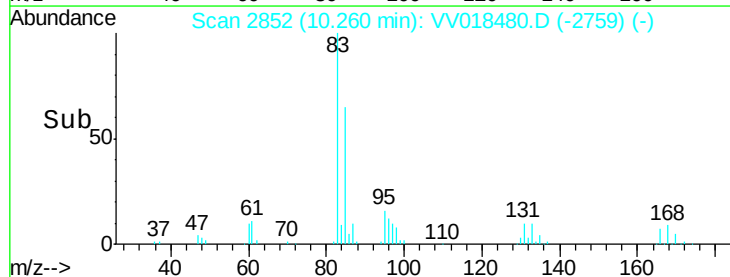
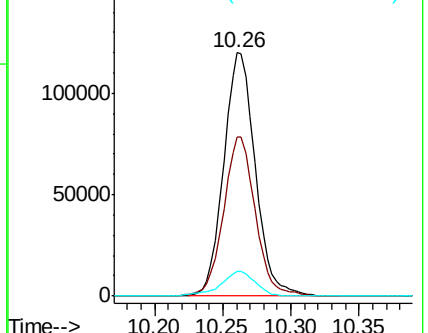
131 10.2 8.0 12.0

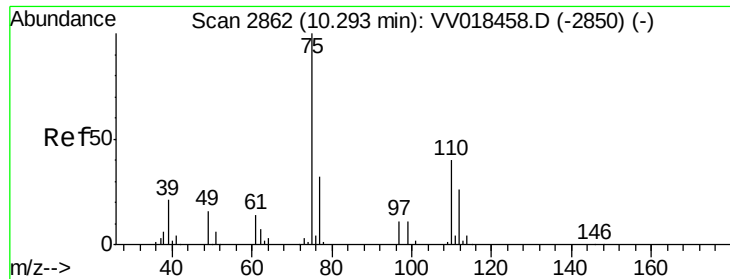


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 50.463 ug/L

RT: 10.29 min Scan# 2862

Delta R.T. 0.00 min

Lab File: VV018480.D

Acq: 26 Sep 2020 00:33

Instrument :

MSVOA_V

ClientSampleId :

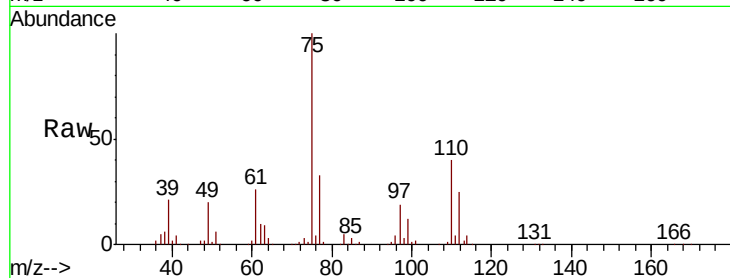
VSTD05089

Tot Ion: 75 Resp: 164127

Ion Ratio Lower Upper

75 100

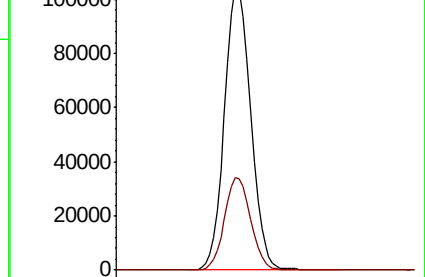
77 32.4 25.8 38.6



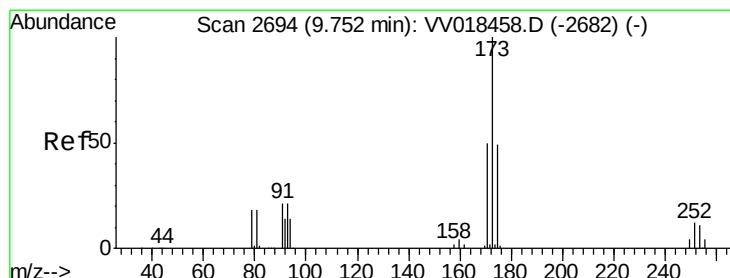
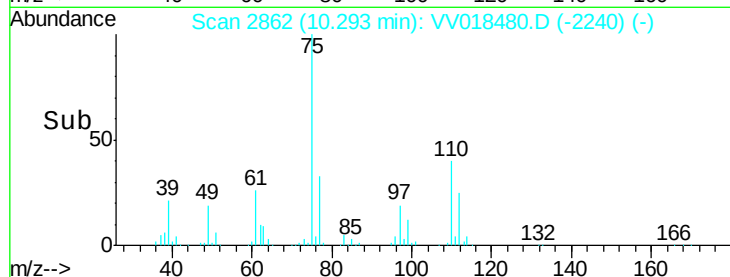
Abundance Ion 75.00 (74.70 to 75.70): VV018458.D (-2850) (-)

Ion 77.00 (76.70 to 77.70): VV018458.D (-2850) (-)

10.29



Time-->



#61

Bromoform

Concen: 50.722 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VV018480.D

Acq: 26 Sep 2020 00:33

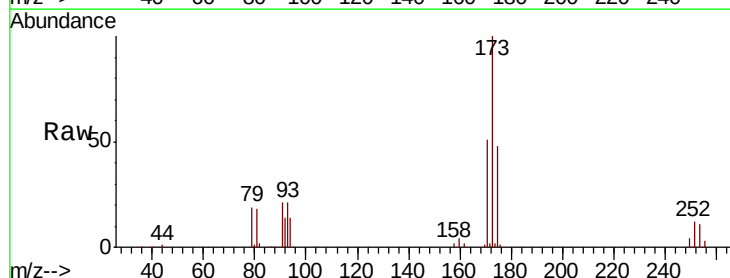
Tgt Ion: 173 Resp: 105389

Ion Ratio Lower Upper

173 100

175 48.0 39.0 58.6

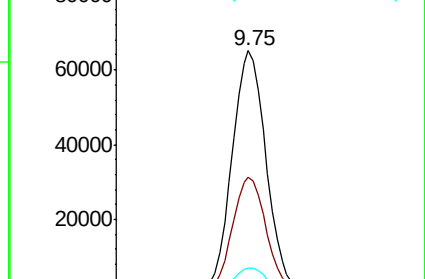
254 11.1 9.0 13.4



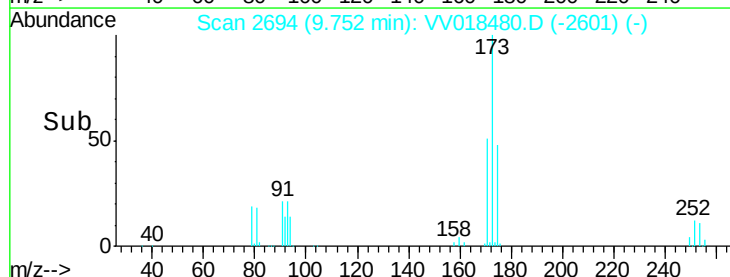
Abundance Ion 173.00 (172.70 to 173.70): VV018458.D (-2682) (-)

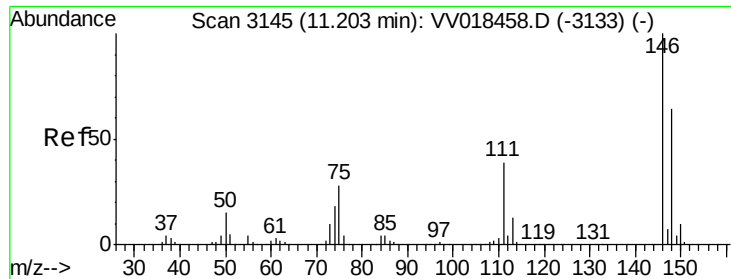
Ion 175.00 (174.70 to 175.70): VV018458.D (-2682) (-)

Ion 254.00 (253.70 to 254.70): VV018458.D (-2682) (-)



Time-->

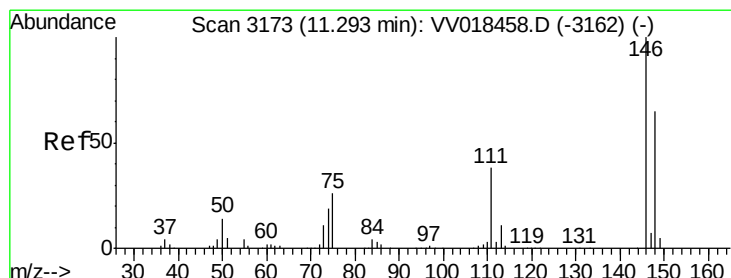
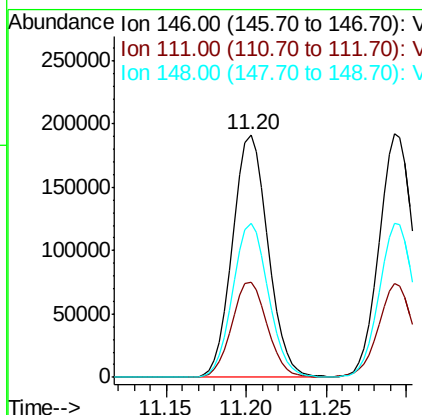
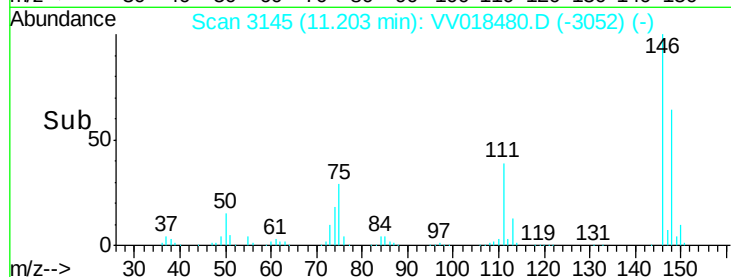
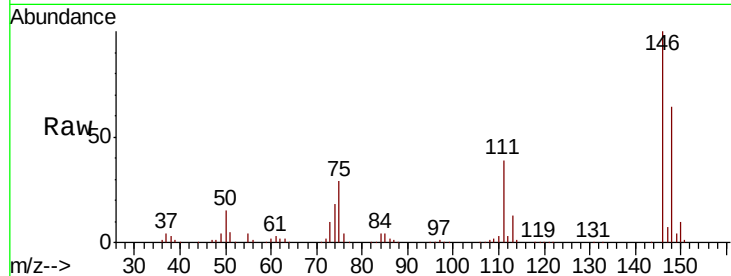




#62
 1,3-Dichlorobenzene
 Concen: 50.274 ug/L
 RT: 11.20 min Scan# 3145
 Delta R.T. 0.00 min
 Lab File: VV018480.D
 Acq: 26 Sep 2020 00:33

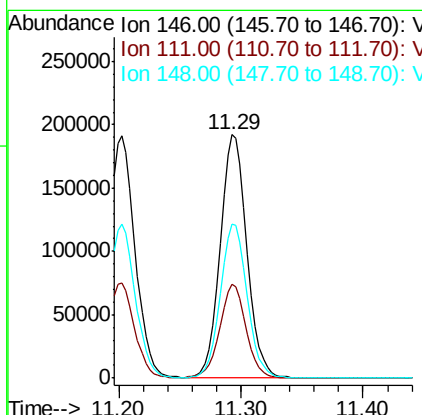
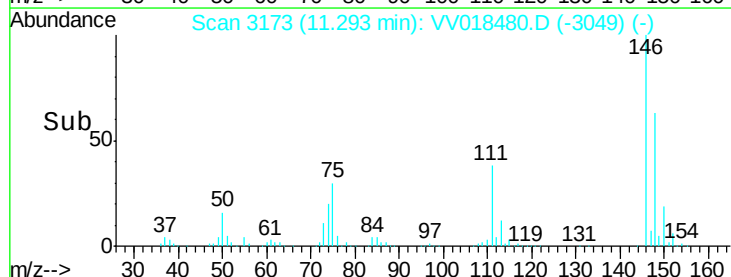
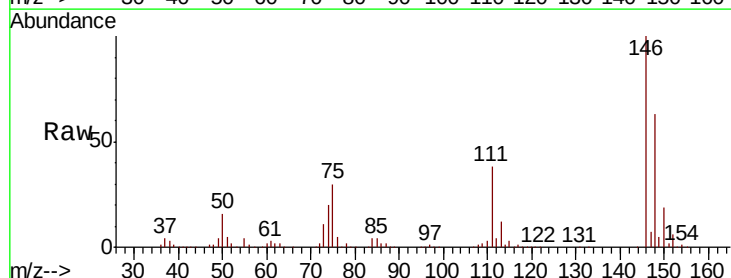
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05089

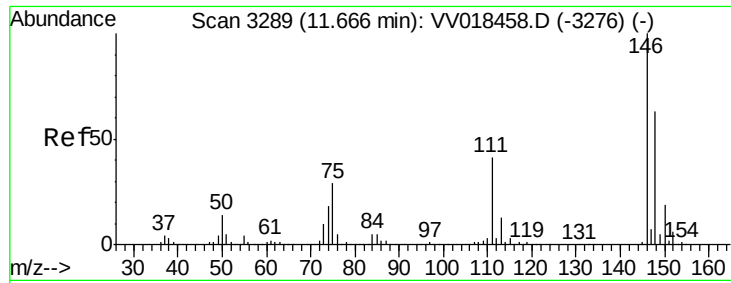
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.4	27.6	51.2
148	63.7	45.4	84.2



#63
 1,4-Dichlorobenzene
 Concen: 49.855 ug/L
 RT: 11.29 min Scan# 3173
 Delta R.T. 0.00 min
 Lab File: VV018480.D
 Acq: 26 Sep 2020 00:33

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.3	27.1	50.3
148	63.3	45.4	84.2

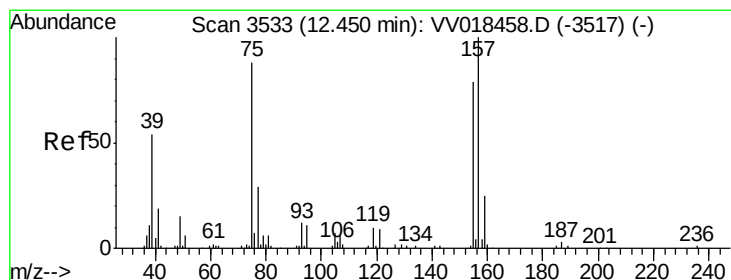
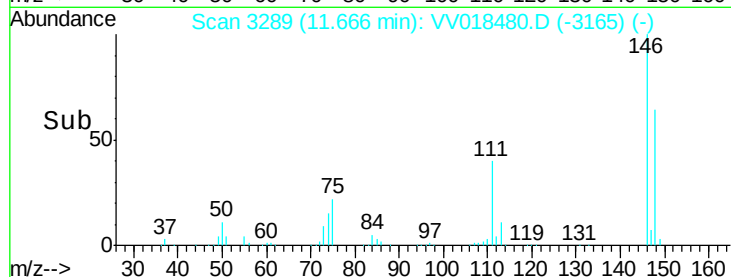
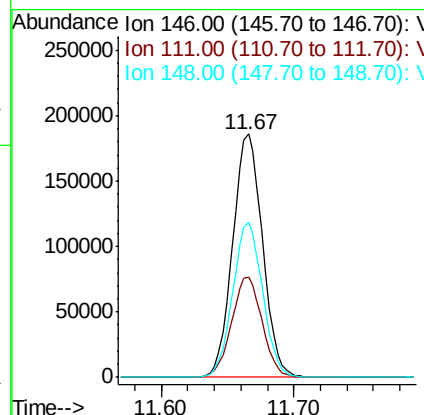
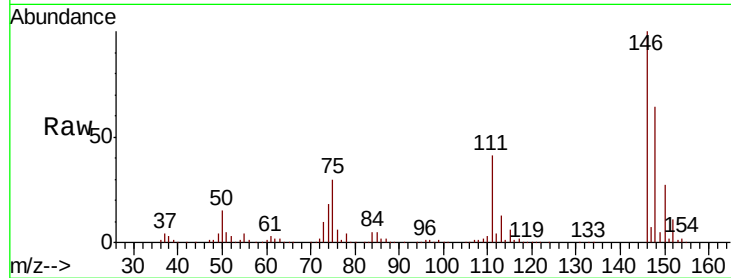




#65
 1,2-Dichlorobenzene
 Concen: 50.107 ug/L
 RT: 11.67 min Scan# 3289
 Delta R.T. 0.00 min
 Lab File: VV018480.D
 Acq: 26 Sep 2020 00:33

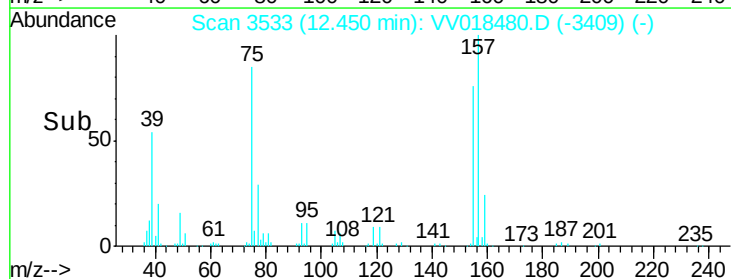
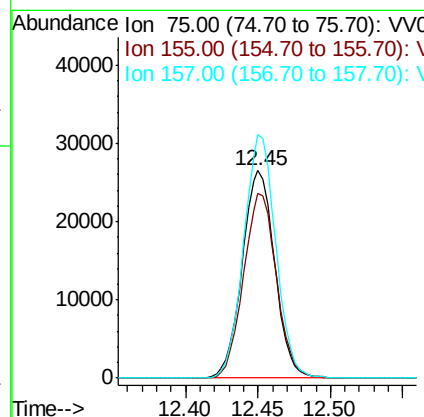
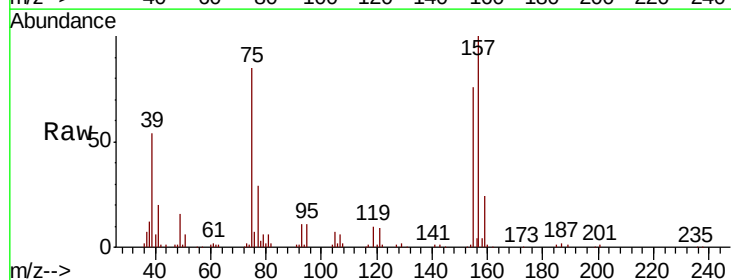
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05089

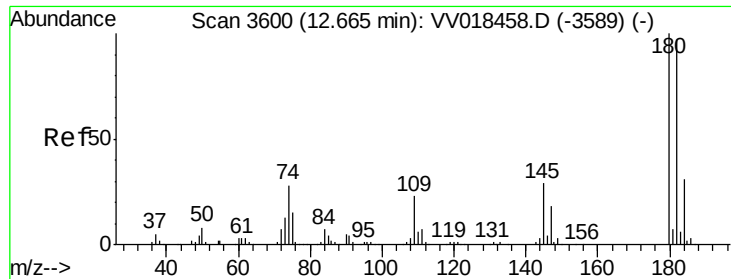
Tot Ion:146 Resp: 291278
 Ion Ratio Lower Upper
 146 100
 111 41.4 32.8 49.2
 148 63.7 50.7 76.1



#66
 1,2-Dibromo-3-chloropropane
 Concen: 50.476 ug/L
 RT: 12.45 min Scan# 3533
 Delta R.T. 0.00 min
 Lab File: VV018480.D
 Acq: 26 Sep 2020 00:33

Tgt Ion: 75 Resp: 41406
 Ion Ratio Lower Upper
 75 100
 155 88.8 69.7 104.5
 157 117.4 88.2 132.4

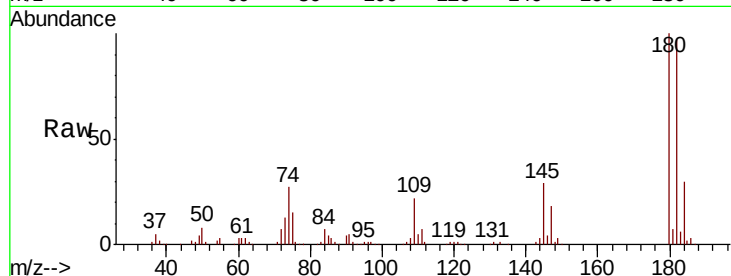




#67
 1,3,5-Trichlorobenzene
 Concen: 43.176 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. 0.00 min
 Lab File: VV018480.D
 Acq: 26 Sep 2020 00:33

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05089

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.4	76.8	115.2
184	30.6	24.6	36.8
145	28.7	22.7	34.1

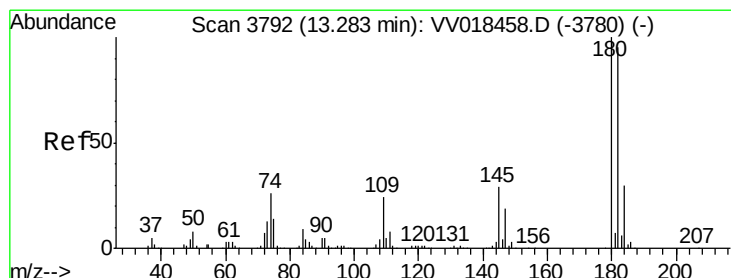
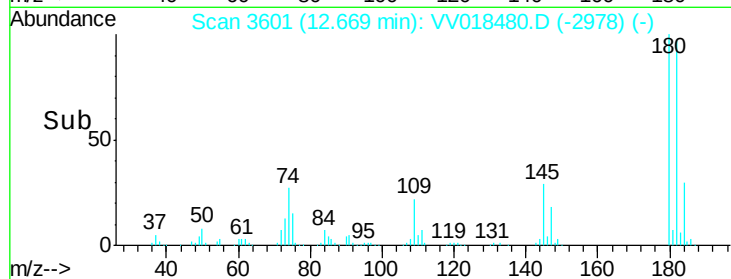
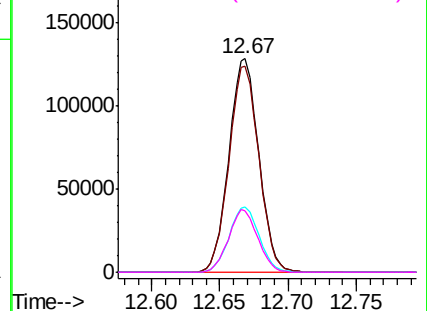


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

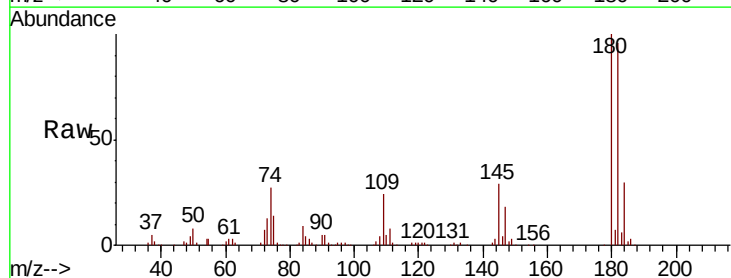
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 46.912 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. 0.00 min
 Lab File: VV018480.D
 Acq: 26 Sep 2020 00:33

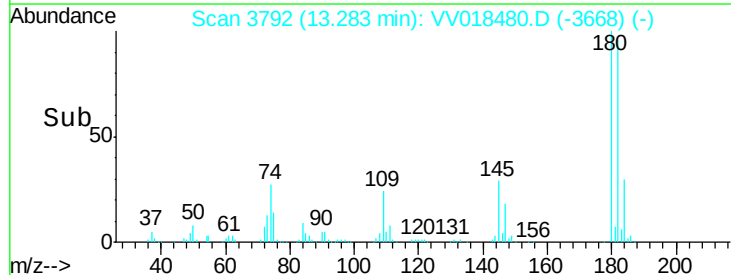
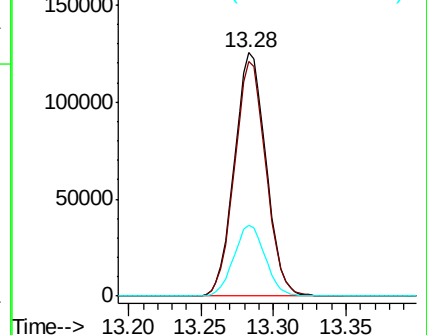
Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.8	77.4	116.2
145	29.0	23.2	34.8

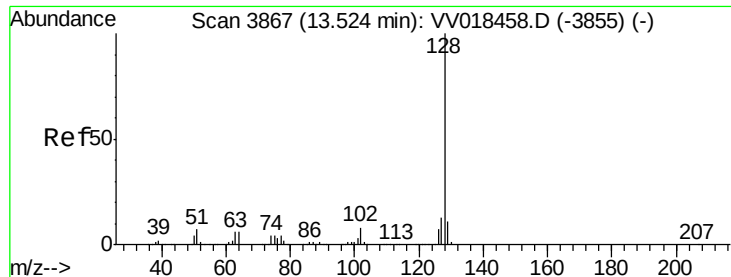


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 57.779 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. 0.00 min

Lab File: VV018480.D

Acq: 26 Sep 2020 00:33

Instrument :

MSVOA_V

ClientSampleId :

VSTD05089

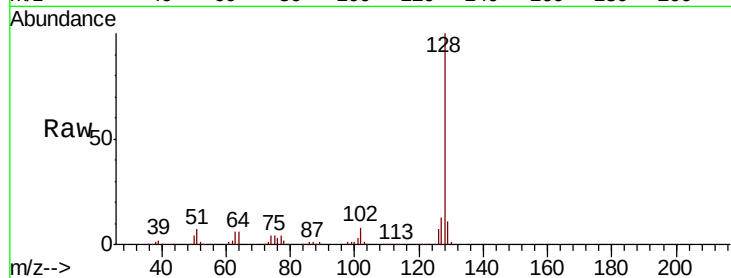
Tot Ion:128 Resp: 590275

Ion Ratio Lower Upper

128 100

127 12.8 10.6 15.8

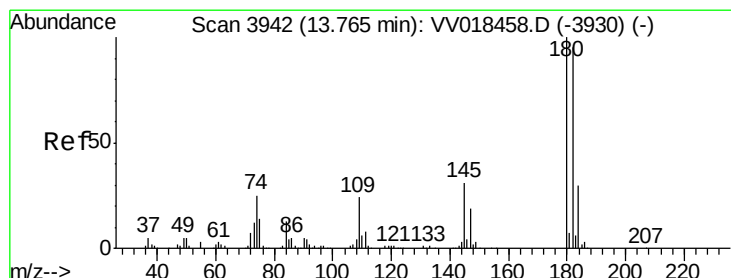
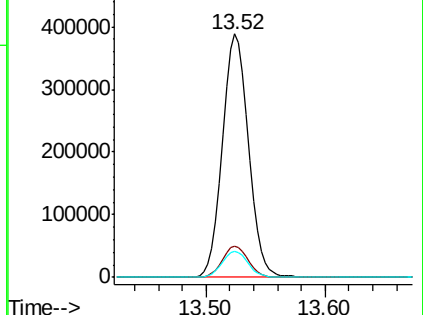
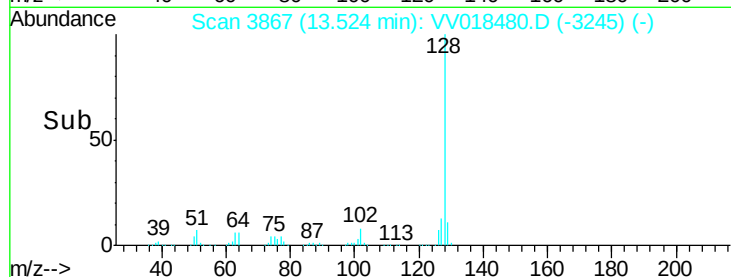
129 10.8 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 48.002 ug/L

RT: 13.77 min Scan# 3942

Delta R.T. 0.00 min

Lab File: VV018480.D

Acq: 26 Sep 2020 00:33

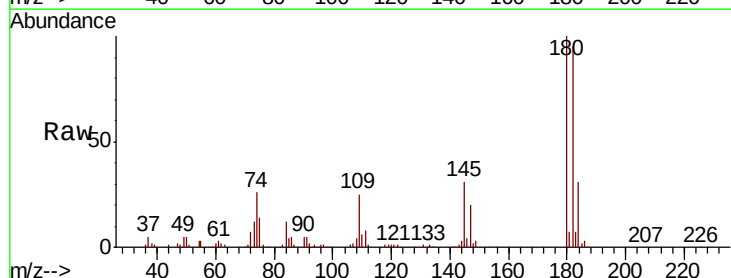
Tgt Ion:180 Resp: 190888

Ion Ratio Lower Upper

180 100

182 95.0 76.5 114.7

145 31.1 24.9 37.3



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

