

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV092220\
 Data File : VV018401.D
 Acq On : 22 Sep 2020 17:39
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05084

Quant Time: Sep 23 05:58:58 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM090920WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Sep 23 05:49:41 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	322074	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	318061	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	177670	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	92528	35.25	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	70.50%
7) Chloroethane-d5	1.58	69	78994	36.78	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	73.56%
11) 1,1-Dichloroethene-d2	2.12	63	189677	39.40	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	78.80%
21) 2-Butanone-d5	3.92	46	131217	81.68	ug/L	0.01
Spiked Amount	100.000	Range	40 - 130	Recovery	=	81.68%
24) Chloroform-d	4.37	84	189781	41.67	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	83.34%
26) 1,2-Dichloroethane-d4	5.05	65	119906	41.07	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	82.14%
32) Benzene-d6	5.07	84	372943	40.96	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	81.92%
36) 1,2-Dichloropropane-d6	6.09	67	118553	40.98	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	81.96%
41) Toluene-d8	7.33	98	352597	42.49	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	84.98%
43) trans-1,3-Dichloropropene-	7.64	79	60164	40.92	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	81.84%
47) 2-Hexanone-d5	8.11	63	93308	85.15	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	85.15%
57) 1,1,2,2-Tetrachloroethane-	10.23	84	152607	42.03	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	84.06%
64) 1,2-Dichlorobenzene-d4	11.65	152	147472	40.42	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	80.84%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	101163	43.075	ug/L 100
3) Chloromethane	1.25	50	110986	43.279	ug/L 100
5) Vinyl chloride	1.32	62	113289	43.080	ug/L 100
6) Bromomethane	1.53	94	72096	44.854	ug/L 99
8) Chloroethane	1.60	64	72080	43.755	ug/L 99
9) Trichlorofluoromethane	1.76	101	164275	45.402	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	100771	46.366	ug/L 99
12) 1,1-Dichloroethene	2.13	96	93736	44.325	ug/L 94
13) Acetone	2.20	43	144448	112.283	ug/L 98
14) Carbon disulfide	2.31	76	267214	41.295	ug/L 100
15) Methyl Acetate	2.45	43	100915	43.650	ug/L 99
16) Methylene chloride	2.52	84	111622	47.064	ug/L 98
17) trans-1,2-Dichloroethene	2.78	96	95984	44.042	ug/L 99
18) Methyl tert-butyl Ether	2.78	73	296863	44.034	ug/L 100
19) 1,1-Dichloroethane	3.21	63	184491	44.773	ug/L 99
20) cis-1,2-Dichloroethene	3.94	96	103580	44.460	ug/L 98
22) 2-Butanone	4.00	43	161825	106.229	ug/L 97

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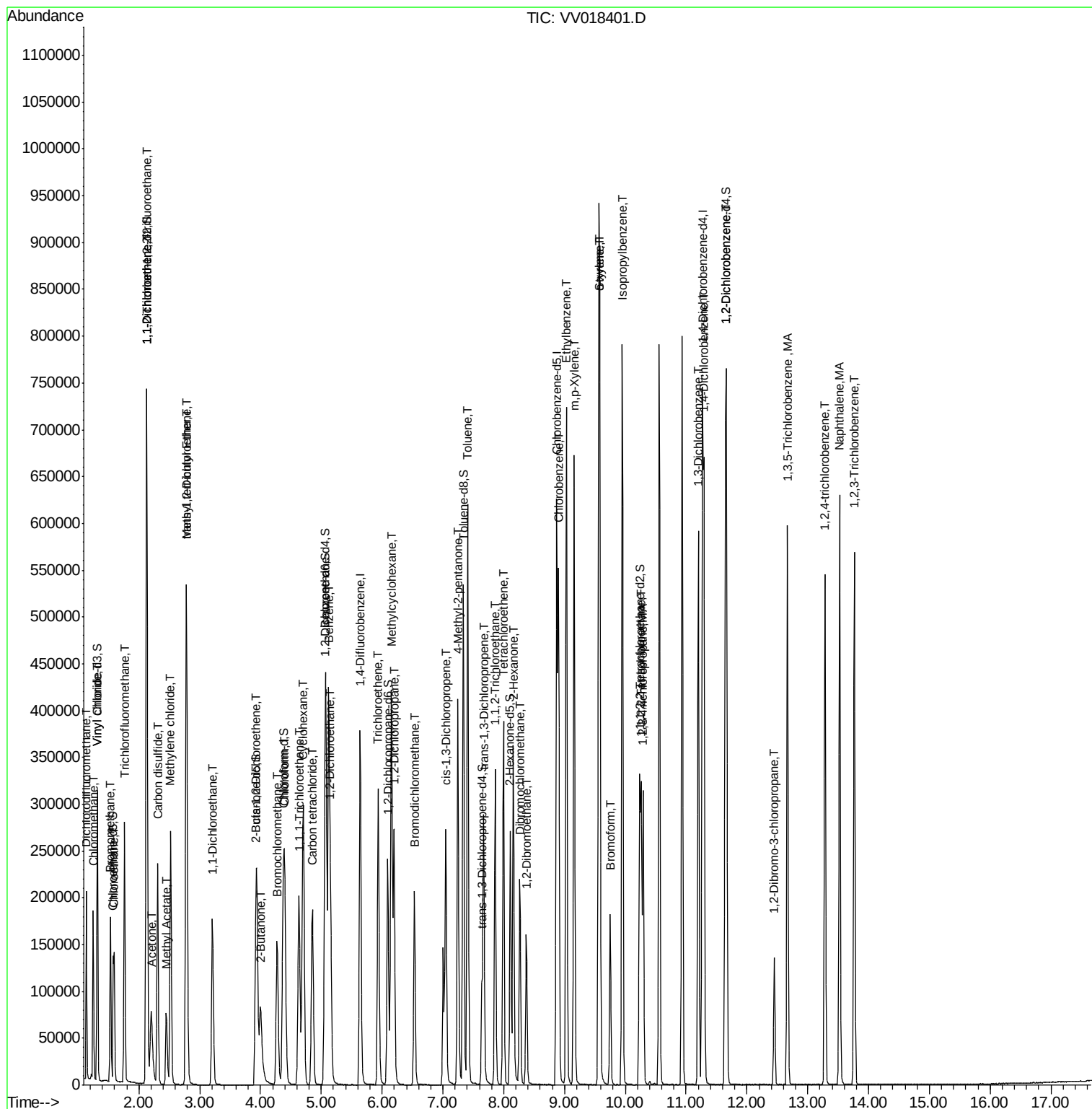
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.27	128	54531	44.737	ug/L	94
25) Chloroform	4.40	83	187459	44.755	ug/L	100
27) 1,2-Dichloroethane	5.15	62	147210	45.399	ug/L	99
29) Cyclohexane	4.70	56	167668	45.652	ug/L	99
30) 1,1,1-Trichloroethane	4.63	97	165325	44.789	ug/L	100
31) Carbon tetrachloride	4.85	117	144206	44.430	ug/L	98
33) Benzene	5.12	78	409047	44.981	ug/L	100
34) Trichloroethene	5.94	95	110669	44.674	ug/L	98
35) Methylcyclohexane	6.15	83	172101	46.141	ug/L	99
37) 1,2-Dichloropropane	6.20	63	108592	45.064	ug/L	99
38) Bromodichloromethane	6.53	83	138928	44.303	ug/L	100
39) cis-1,3-Dichloropropene	7.05	75	166030	44.718	ug/L	99
40) 4-Methyl-2-pentanone	7.24	43	265852	90.939	ug/L	100
42) Toluene	7.41	91	439812	45.701	ug/L	99
44) trans-1,3-Dichloropropene	7.67	75	163891	45.336	ug/L	98
45) 1,1,2-Trichloroethane	7.86	97	100372	44.939	ug/L	97
46) Tetrachloroethene	8.00	164	88781	45.708	ug/L	100
48) 2-Hexanone	8.16	43	226464	98.259	ug/L	99
49) Dibromochloromethane	8.27	129	111917	44.640	ug/L	98
50) 1,2-Dibromoethane	8.37	107	105055	44.692	ug/L	99
51) Chlorobenzene	8.90	112	284233	45.478	ug/L	100
52) Ethylbenzene	9.03	91	488294	46.475	ug/L	100
53) m,p-Xylene	9.16	106	183978	46.913	ug/L	98
54) o-xylene	9.56	106	176183	46.633	ug/L	100
55) Styrene	9.58	104	313724	47.775	ug/L	99
56) Isopropylbenzene	9.95	105	485074	47.639	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	148827	45.046	ug/L	99
59) 1,2,3-Trichloropropane	10.29	75	127770	45.080	ug/L	100
61) Bromoform	9.75	173	81706	42.808	ug/L	100
62) 1,3-Dichlorobenzene	11.20	146	237295	44.915	ug/L	100
63) 1,4-Dichlorobenzene	11.29	146	243180	44.782	ug/L	99
65) 1,2-Dichlorobenzene	11.67	146	234433	43.901	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.45	75	33347	44.253	ug/L	99
67) 1,3,5-Trichlorobenzene	12.67	180	186877	44.869	ug/L	100
68) 1,2,4-trichlorobenzene	13.28	180	170727	46.032	ug/L	98
69) Naphthalene	13.52	128	465467	49.598	ug/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	172494	47.220	ug/L	99

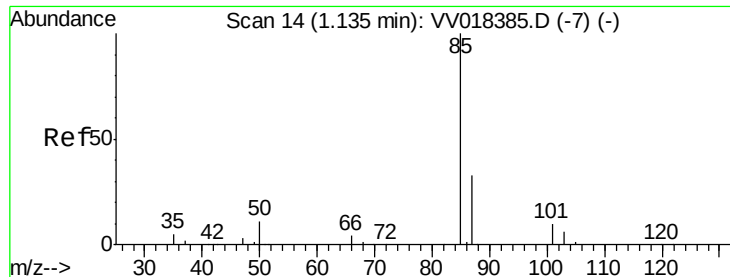
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 43.075 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

Lab File: VV018401.D

Acq: 22 Sep 2020 17:39

Instrument :

MSVOA_V

ClientSampleId :

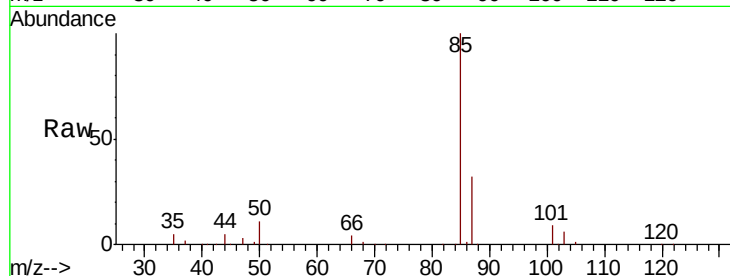
VSTD05084

Tot Ion: 85 Resp: 101163

Ion Ratio Lower Upper

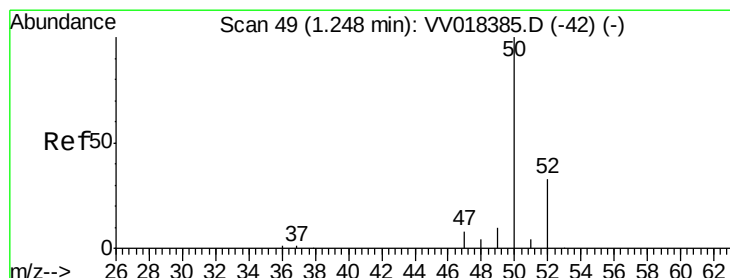
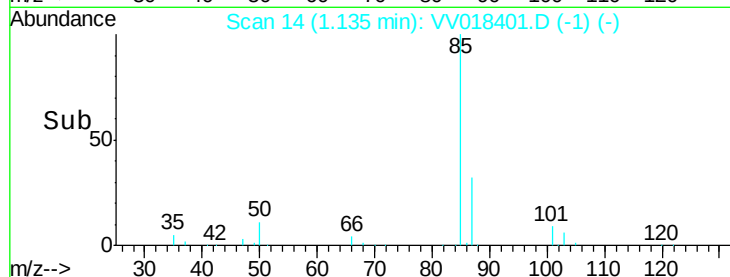
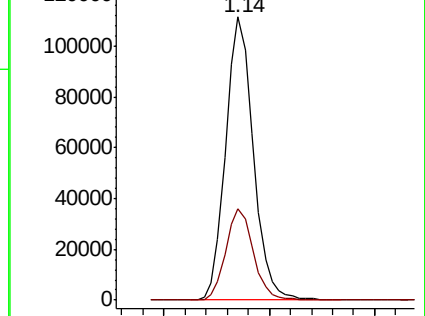
85 100

87 32.2 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: 43.279 ug/L

RT: 1.25 min Scan# 49

Delta R.T. 0.00 min

Lab File: VV018401.D

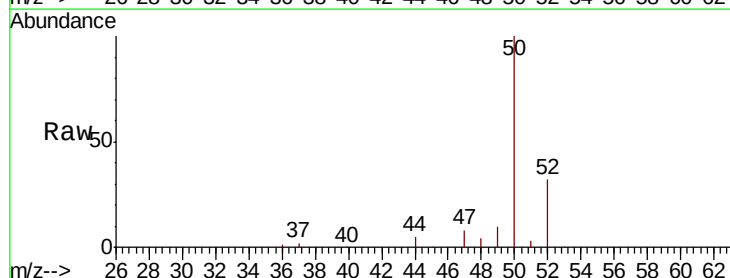
Acq: 22 Sep 2020 17:39

Tgt Ion: 50 Resp: 110986

Ion Ratio Lower Upper

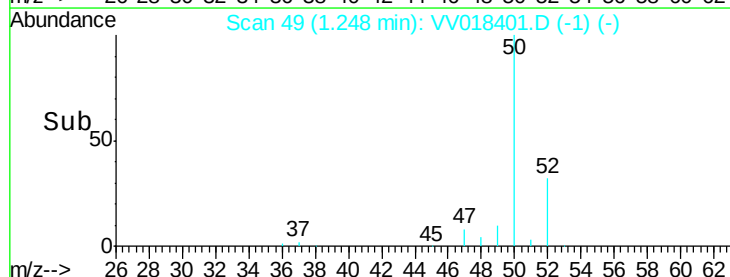
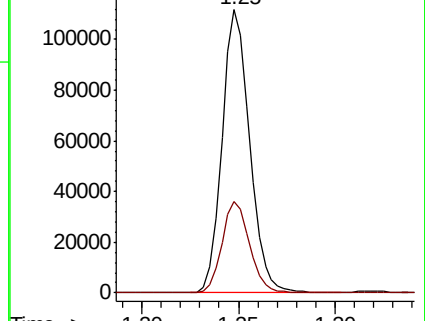
50 100

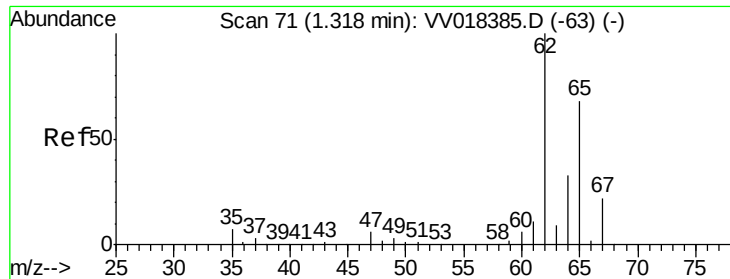
52 32.5 22.7 42.3



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0





#5

Vinyl chloride

Concen: 43.080 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV018401.D

Acq: 22 Sep 2020 17:39

Instrument :

MSVOA_V

ClientSampleId :

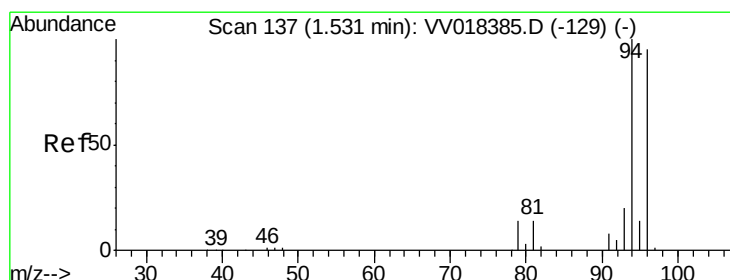
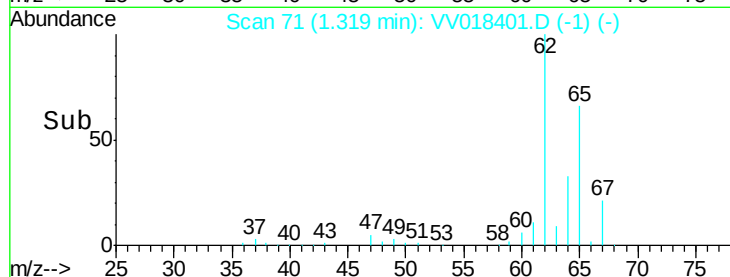
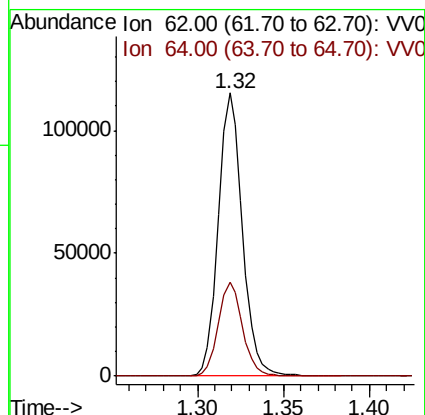
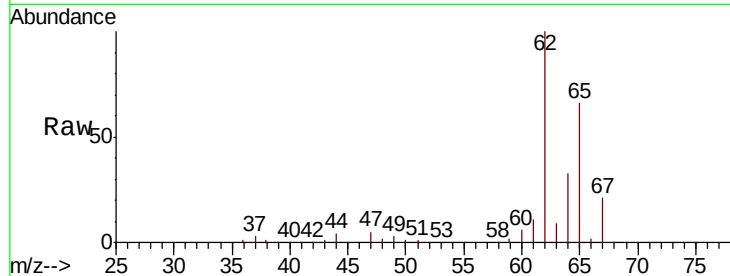
VSTD05084

Tot Ion: 62 Resp: 113289

Ion Ratio Lower Upper

62 100

64 33.1 23.1 42.9



#6

Bromomethane

Concen: 44.854 ug/L

RT: 1.53 min Scan# 137

Delta R.T. 0.00 min

Lab File: VV018401.D

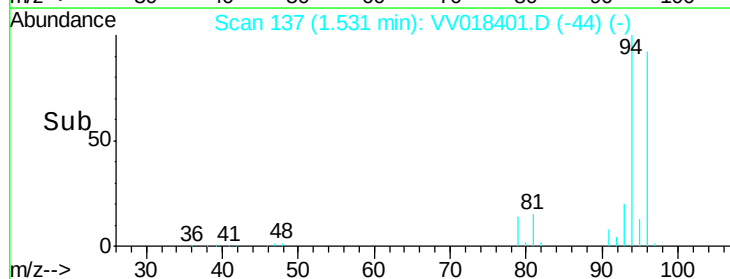
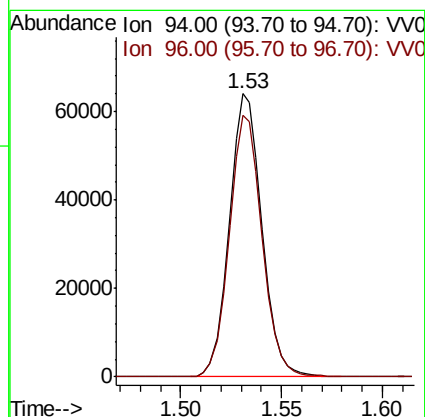
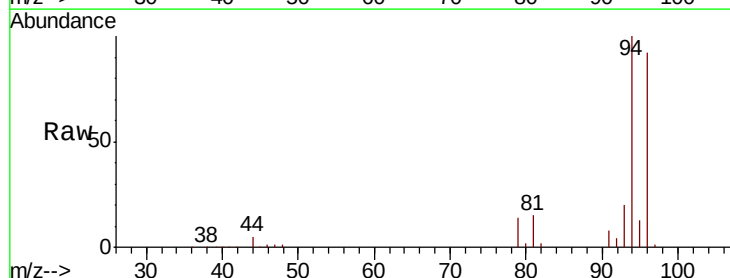
Acq: 22 Sep 2020 17:39

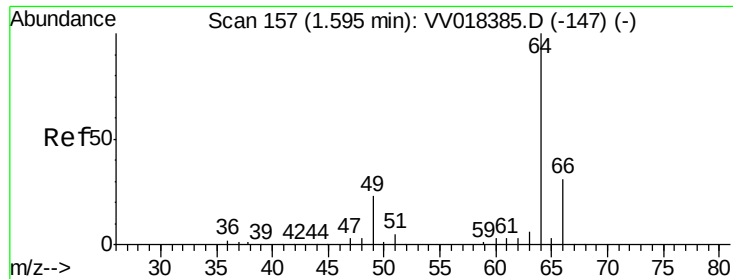
Tgt Ion: 94 Resp: 72096

Ion Ratio Lower Upper

94 100

96 92.4 65.1 120.9

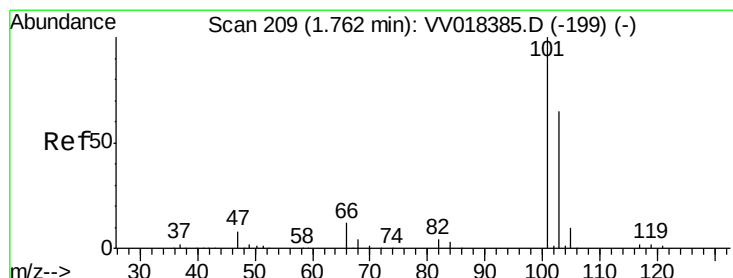
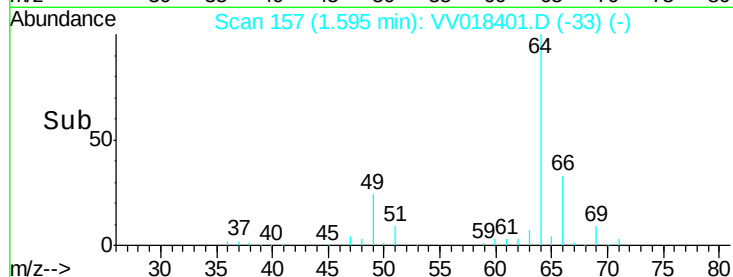
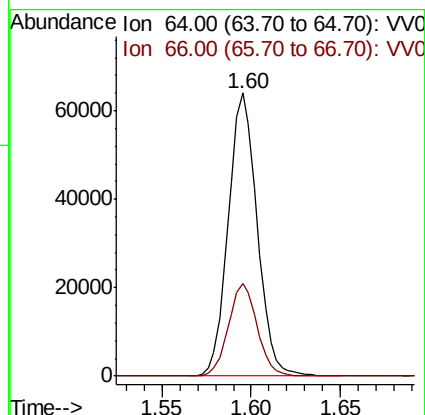
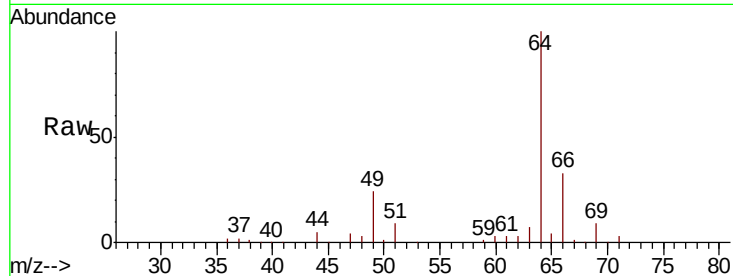




#8
Chloroethane
Concen: 43.755 ug/L
RT: 1.60 min Scan# 157
Delta R.T. 0.00 min
Lab File: VV018401.D
Acq: 22 Sep 2020 17:39

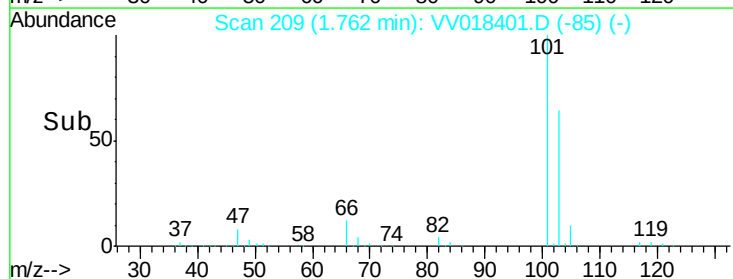
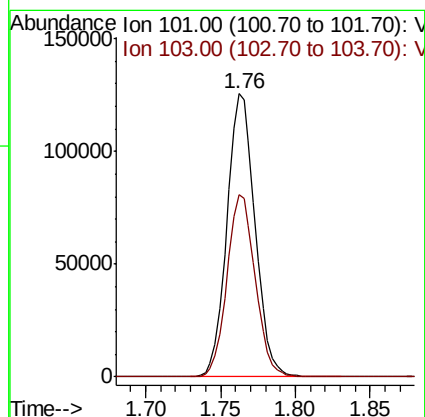
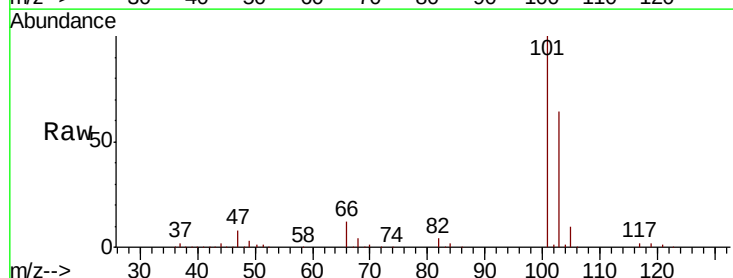
Instrument :
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VSTD05084

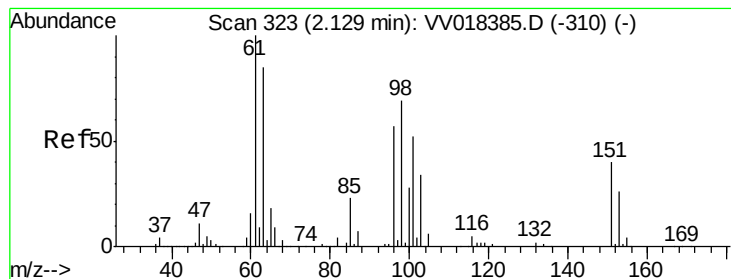
Tot Ion: 64 Resp: 72080
Ion Ratio Lower Upper
64 100
66 32.7 22.5 41.7



#9
Trichlorofluoromethane
Concen: 45.402 ug/L
RT: 1.76 min Scan# 209
Delta R.T. 0.00 min
Lab File: VV018401.D
Acq: 22 Sep 2020 17:39

Tgt Ion:101 Resp: 164275
Ion Ratio Lower Upper
101 100
103 64.4 51.8 77.6





#10

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

Concen: 46.366 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV018401.D

Acq: 22 Sep 2020 17:39

Instrument :

MSVOA_V

ClientSampleId :

VSTD05084

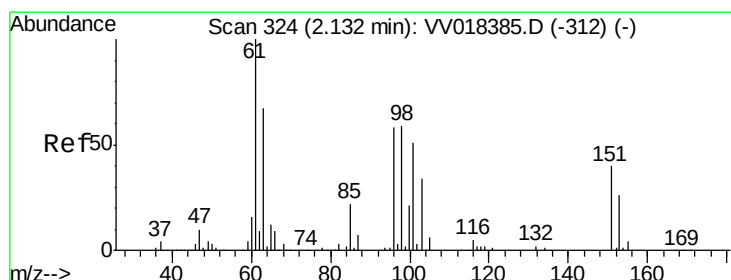
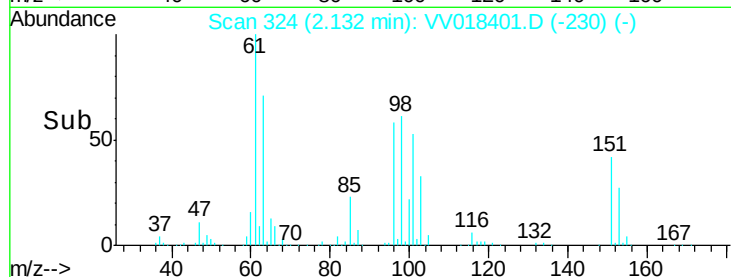
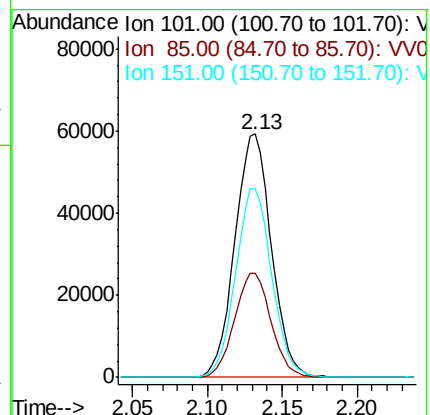
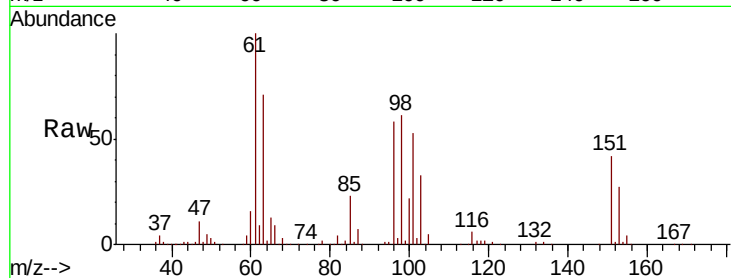
Tot Ion:101 Resp: 100771

Ion Ratio Lower Upper

101 100

85 42.8 33.5 50.3

151 77.0 62.2 93.2



#12

1,1-Dichloroethene

Concen: 44.325 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV018401.D

Acq: 22 Sep 2020 17:39

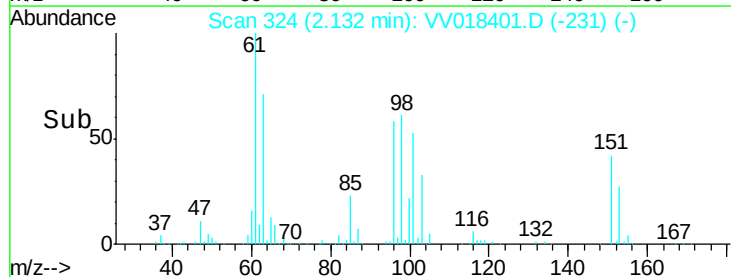
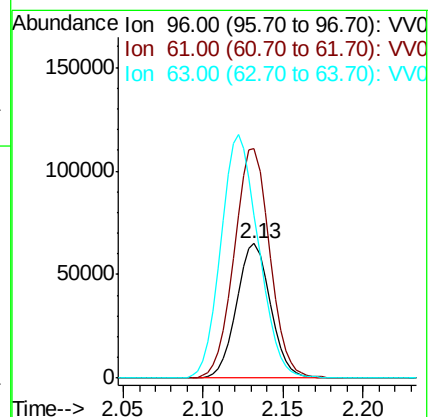
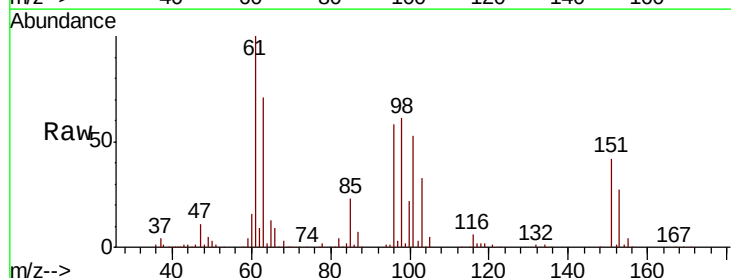
Tgt Ion: 96 Resp: 93736

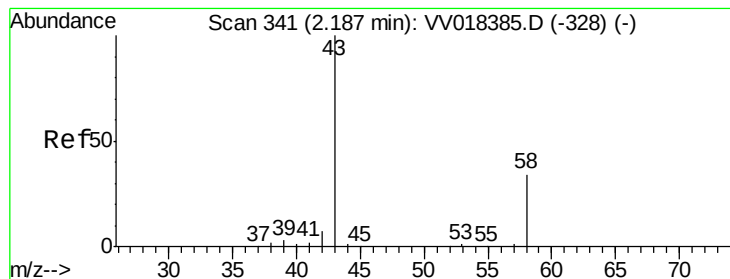
Ion Ratio Lower Upper

96 100

61 171.2 122.9 228.3

63 121.0 91.9 170.7





#13

Acetone

Concen: 112.283 ug/L

RT: 2.20 min Scan# 346

Delta R.T. 0.02 min

Lab File: VV018401.D

Acq: 22 Sep 2020 17:39

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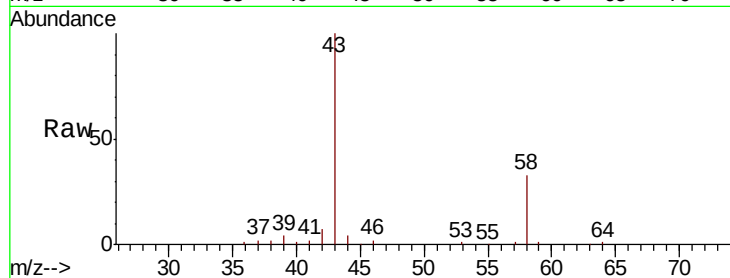
VSTD05084

Tot Ion: 43 Resp: 144448

Ion Ratio Lower Upper

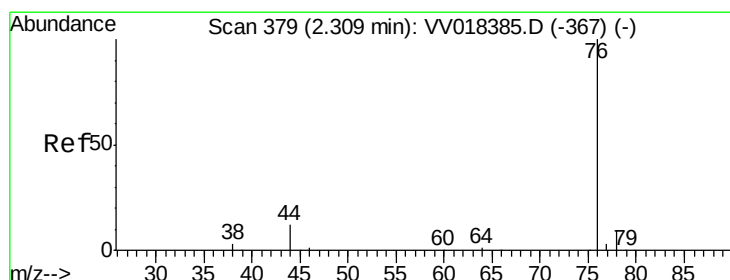
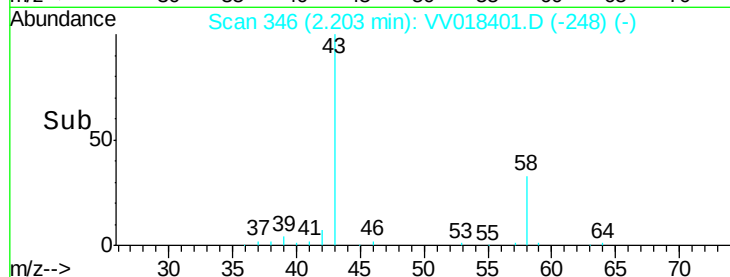
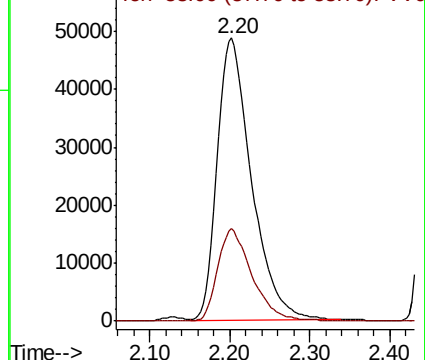
43 100

58 32.4 0.0 67.4



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0



#14

Carbon disulfide

Concen: 41.295 ug/L

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VV018401.D

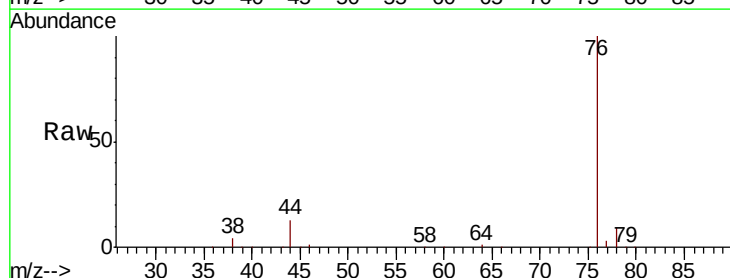
Acq: 22 Sep 2020 17:39

Tgt Ion: 76 Resp: 267214

Ion Ratio Lower Upper

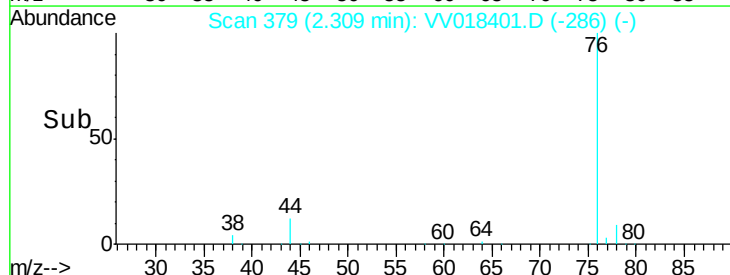
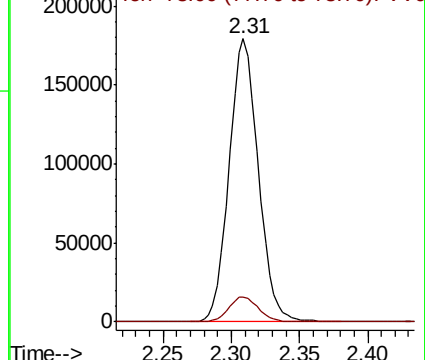
76 100

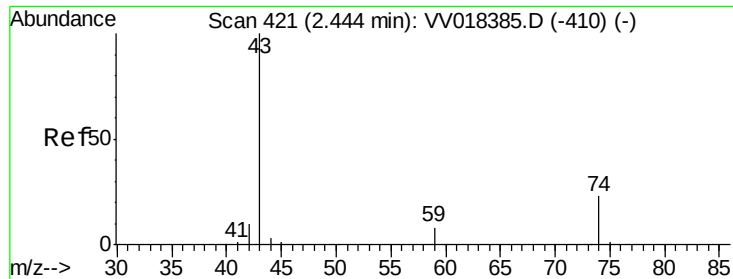
78 8.9 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VV0

Ion 78.00 (77.70 to 78.70): VV0

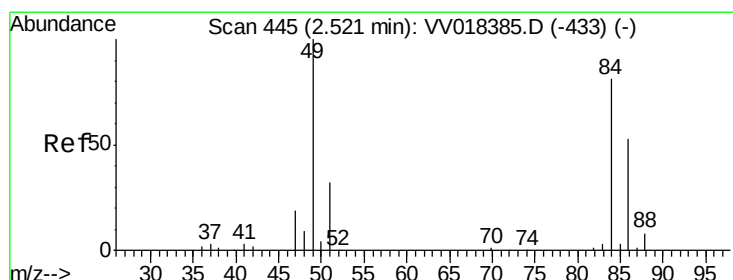
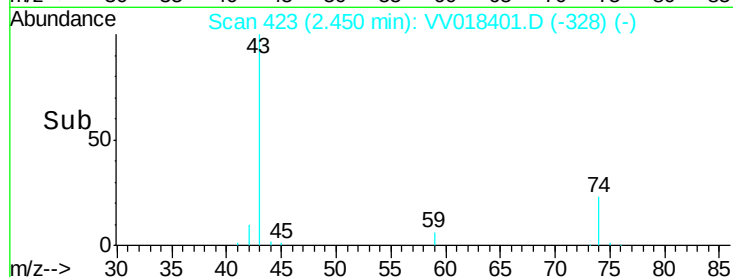
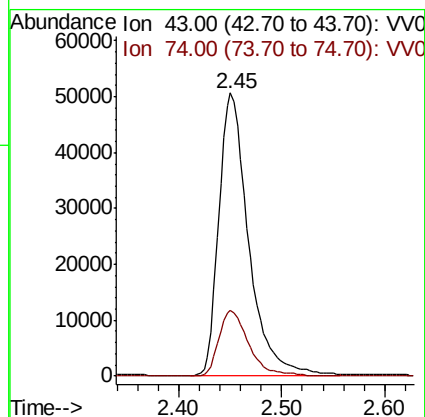
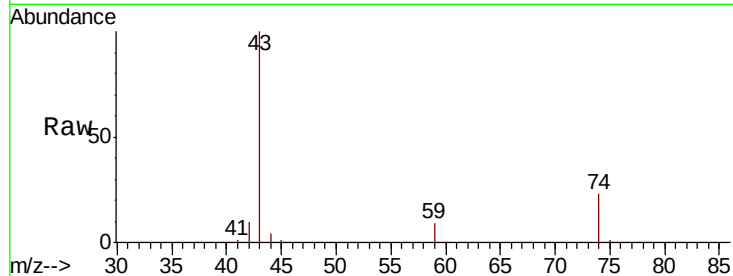




#15
Methvl Acetate
Concen: 43.650 ug/L
RT: 2.45 min Scan# 423
Delta R.T. 0.01 min
Lab File: VV018401.D
Acq: 22 Sep 2020 17:39

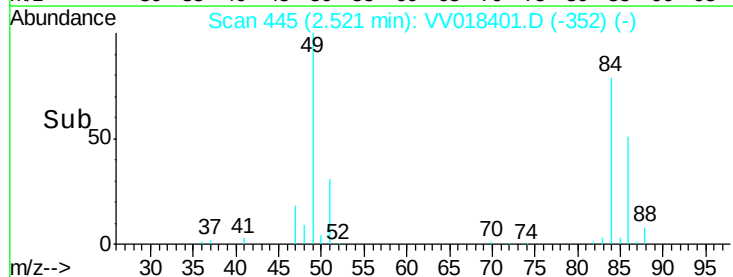
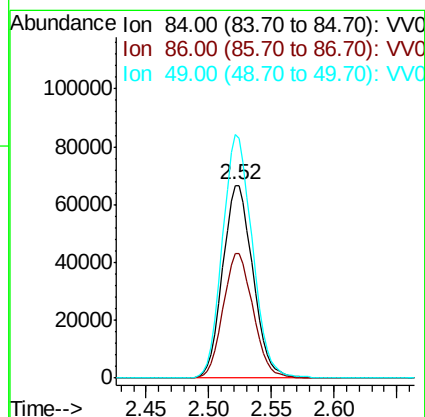
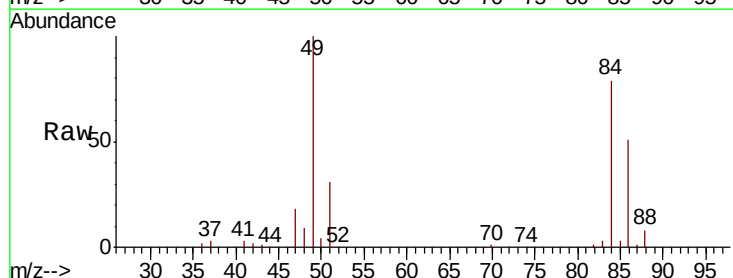
Instrument :
MSVOA_V
ClientSampleId :
VSTD05084

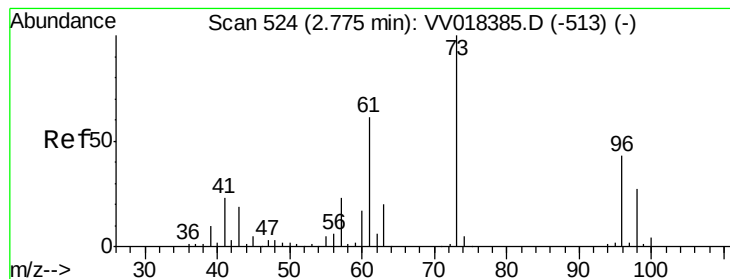
Tot Ion: 43 Resp: 100915
Ion Ratio Lower Upper
43 100
74 23.7 18.4 27.6



#16
Methylene chloride
Concen: 47.064 ug/L
RT: 2.52 min Scan# 445
Delta R.T. 0.00 min
Lab File: VV018401.D
Acq: 22 Sep 2020 17:39

Tgt Ion: 84 Resp: 111622
Ion Ratio Lower Upper
84 100
86 64.9 44.4 82.4
49 126.4 87.2 162.0





#17

trans-1,2-Dichloroethene

Concen: 44.042 ug/L

RT: 2.78 min Scan# 525

Delta R.T. 0.00 min

Lab File: VV018401.D

Acq: 22 Sep 2020 17:39

Instrument :

MSVOA_V

ClientSampleId :

VSTD05084

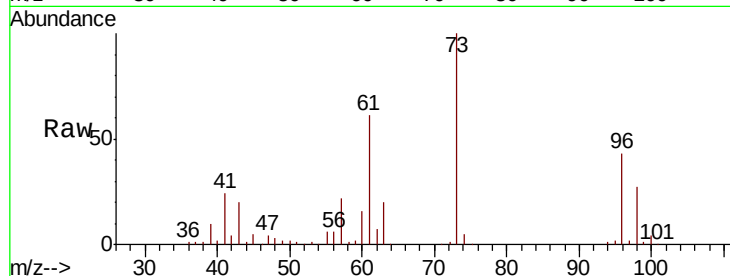
Tot Ion: 96 Resp: 95984

Ion Ratio Lower Upper

96 100

61 143.4 100.7 186.9

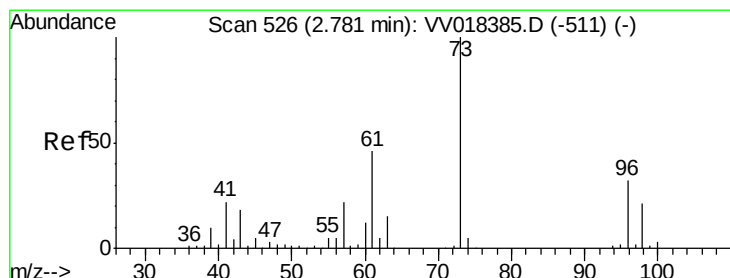
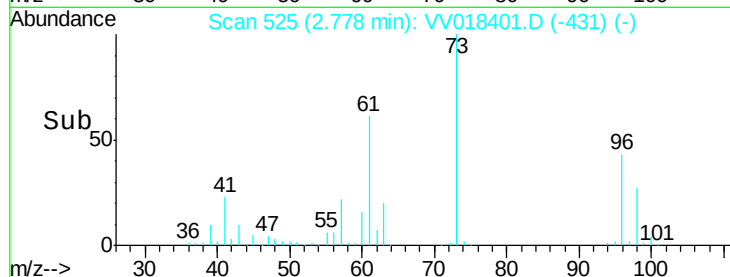
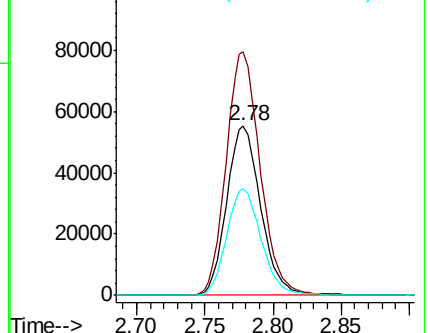
98 62.9 45.2 84.0



Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 98.00 (97.70 to 98.70): VV0



#18

Methyl tert-butyl Ether

Concen: 44.034 ug/L

RT: 2.78 min Scan# 527

Delta R.T. 0.00 min

Lab File: VV018401.D

Acq: 22 Sep 2020 17:39

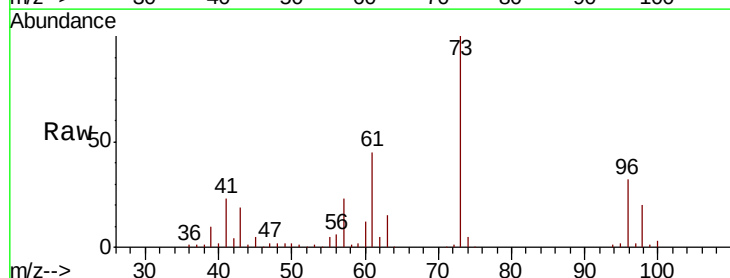
Tgt Ion: 73 Resp: 296863

Ion Ratio Lower Upper

73 100

43 19.4 15.4 23.0

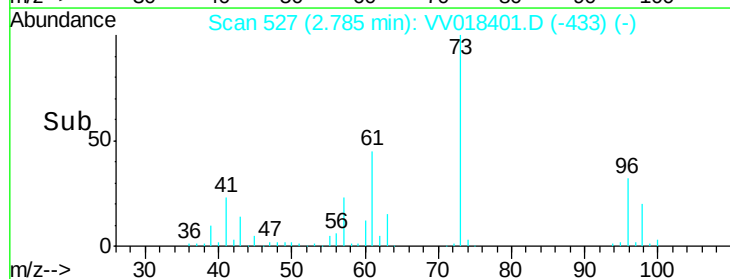
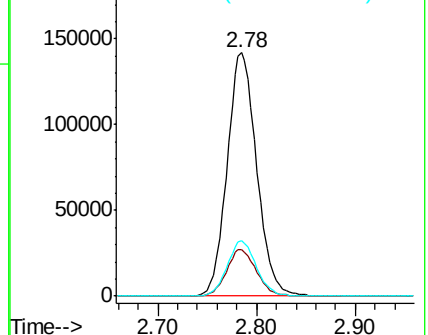
57 22.6 18.0 27.0

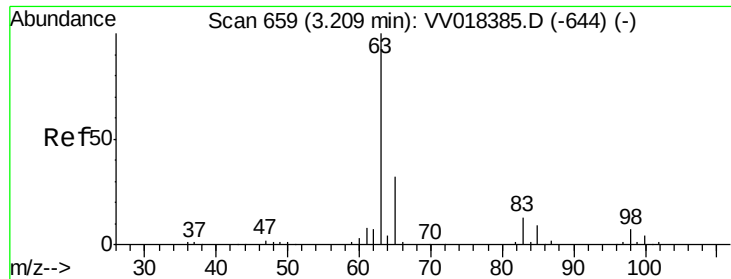


Abundance Ion 73.00 (72.70 to 73.70): VV0

Ion 43.00 (42.70 to 43.70): VV0

Ion 57.00 (56.70 to 57.70): VV0

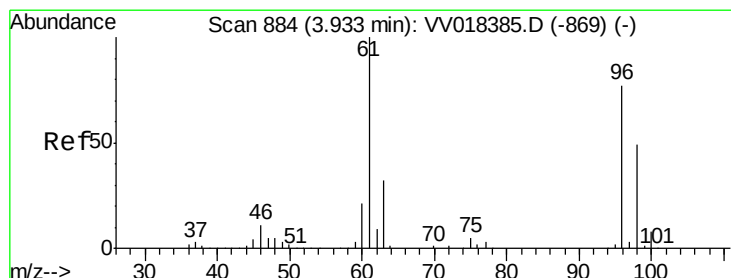
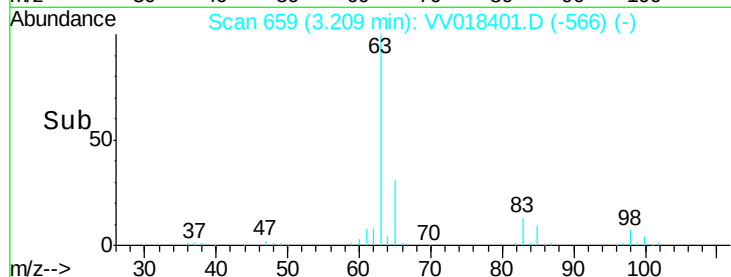
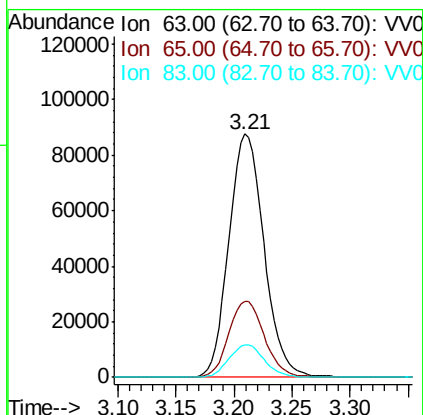
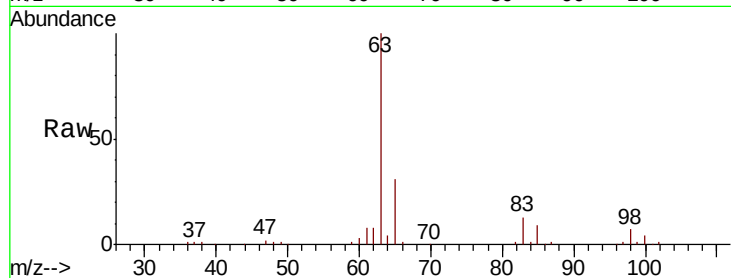




#19
 1,1-Dichloroethane
 Concen: 44.773 ug/L
 RT: 3.21 min Scan# 659
 Delta R.T. 0.00 min
 Lab File: VV018401.D
 Acq: 22 Sep 2020 17:39

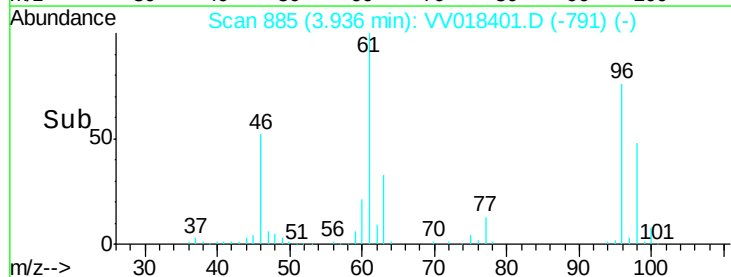
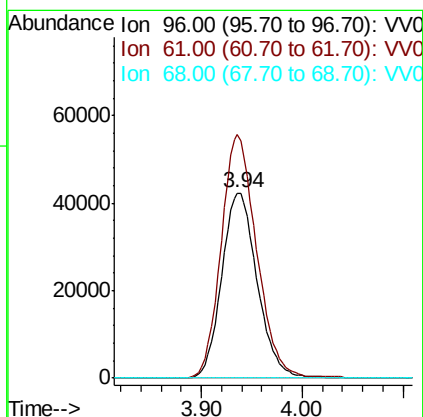
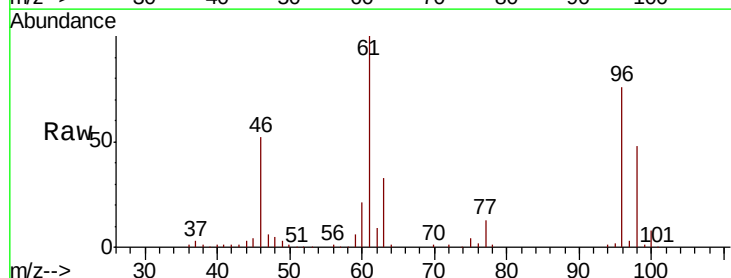
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05084

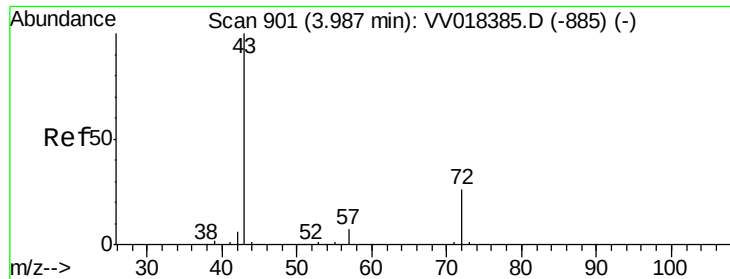
Tot Ion: 63 Resp: 184491
 Ion Ratio Lower Upper
 63 100
 65 31.3 22.5 41.7
 83 13.2 9.3 17.3



#20
 cis-1,2-Dichloroethene
 Concen: 44.460 ug/L
 RT: 3.94 min Scan# 885
 Delta R.T. 0.00 min
 Lab File: VV018401.D
 Acq: 22 Sep 2020 17:39

Tgt Ion: 96 Resp: 103580
 Ion Ratio Lower Upper
 96 100
 61 131.4 93.6 173.8
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 106.229 ug/L

RT: 4.00 min Scan# 905

Delta R.T. 0.01 min

Lab File: VV018401.D

Acq: 22 Sep 2020 17:39

Instrument :

MSVOA_V

ClientSampleId :

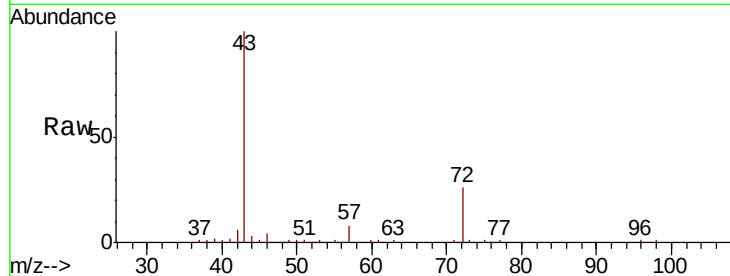
VSTD05084

Tot Ion: 43 Resp: 161825

Ion Ratio Lower Upper

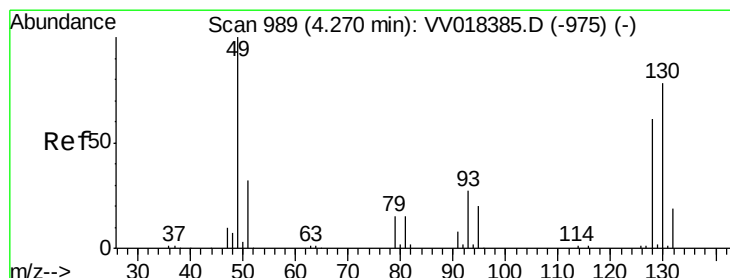
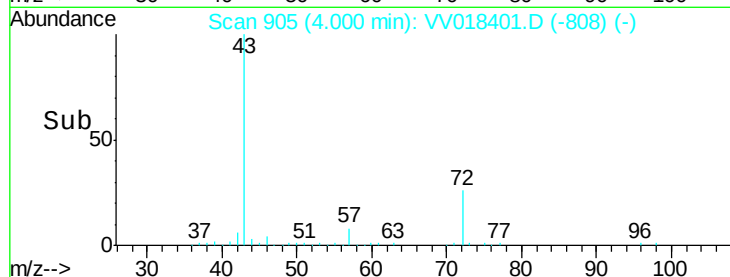
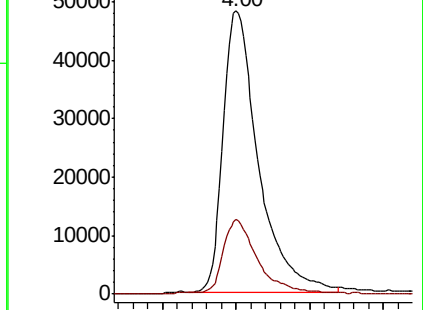
43 100

72 24.6 13.1 39.3



Abundance Ion 43.00 (42.70 to 43.70): VV018401.D (-896) (-)

Ion 72.00 (71.70 to 72.70): VV018401.D (-896) (-)



#23

Bromochloromethane

Concen: 44.737 ug/L

RT: 4.27 min Scan# 990

Delta R.T. 0.00 min

Lab File: VV018401.D

Acq: 22 Sep 2020 17:39

Tgt Ion: 128 Resp: 54531

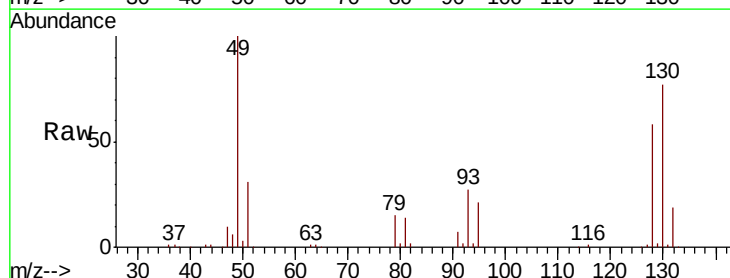
Ion Ratio Lower Upper

128 100

49 172.6 114.4 212.6

130 133.1 87.9 163.3

51 54.0 41.8 62.8

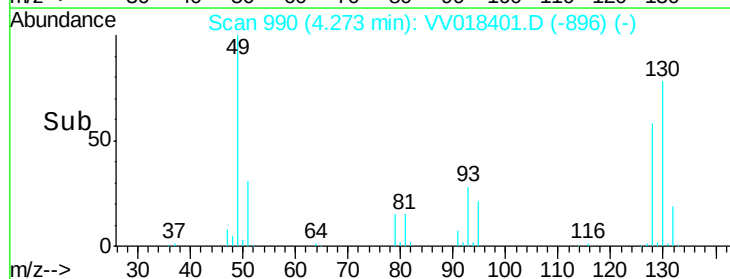
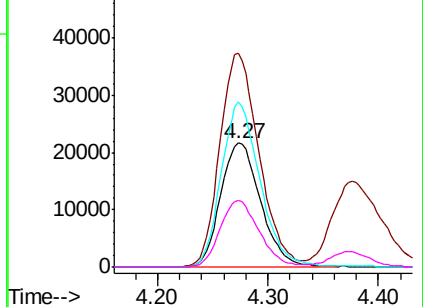


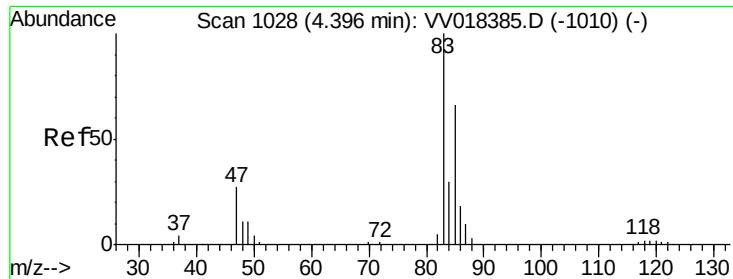
Abundance Ion 128.00 (127.70 to 128.70): VV018401.D (-896) (-)

Ion 49.00 (48.70 to 49.70): VV018401.D (-896) (-)

Ion 130.00 (129.70 to 130.70): VV018401.D (-896) (-)

Ion 51.00 (50.70 to 51.70): VV018401.D (-896) (-)

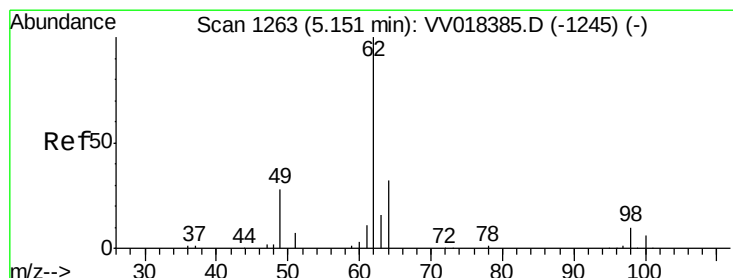
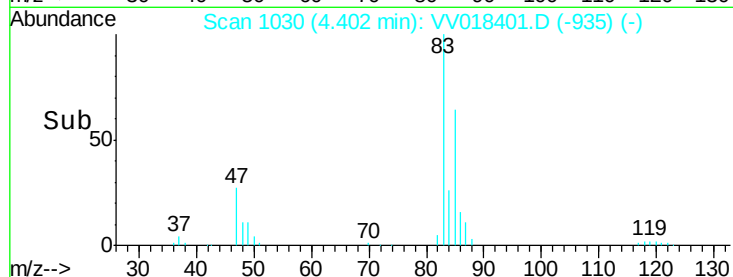
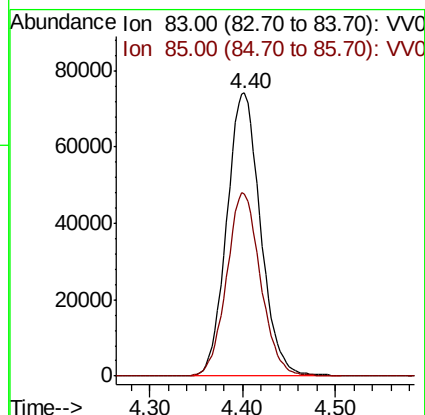
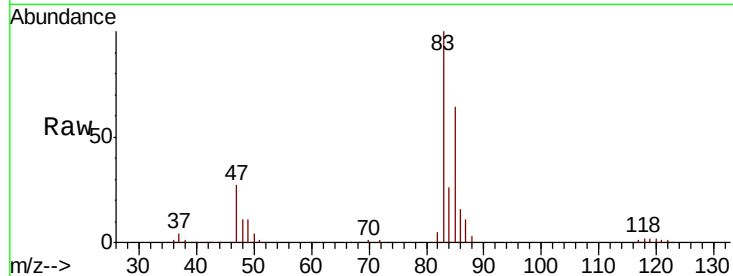




#25
Chloroform
Concen: 44.755 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. 0.01 min
Lab File: VV018401.D
Acq: 22 Sep 2020 17:39

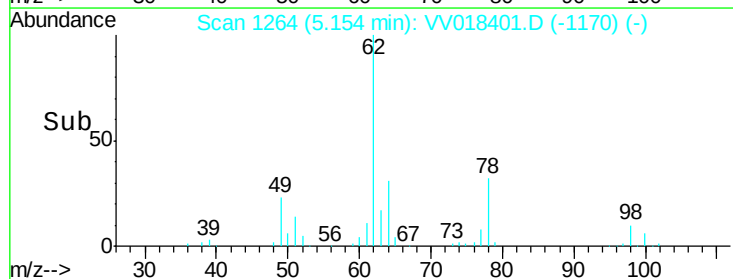
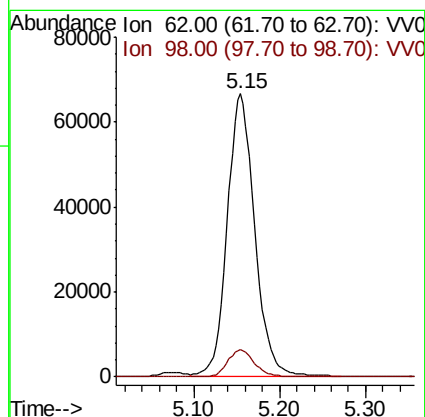
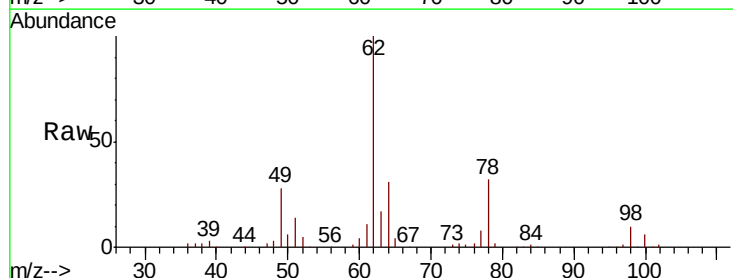
Instrument :
MSVOA_V
ClientSampled :
VSTD05084

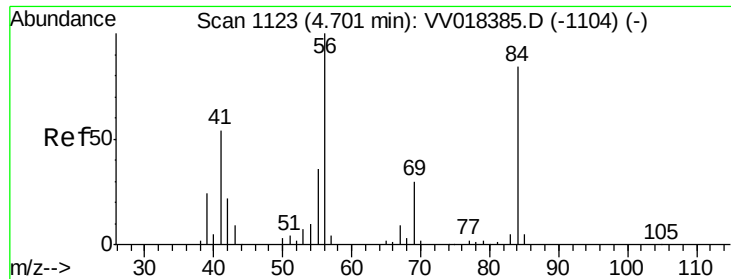
Tot Ion: 83 Resp: 187459
Ion Ratio Lower Upper
83 100
85 64.3 45.0 83.6



#27
1,2-Dichloroethane
Concen: 45.399 ug/L
RT: 5.15 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VV018401.D
Acq: 22 Sep 2020 17:39

Tgt Ion: 62 Resp: 147210
Ion Ratio Lower Upper
62 100
98 9.7 7.6 11.4





#29

Cyclohexane

Concen: 45.652 ug/L

RT: 4.70 min Scan# 1124

Delta R.T. 0.00 min

Lab File: VV018401.D

Acq: 22 Sep 2020 17:39

Instrument :

MSVOA_V

ClientSampleId :

VSTD05084

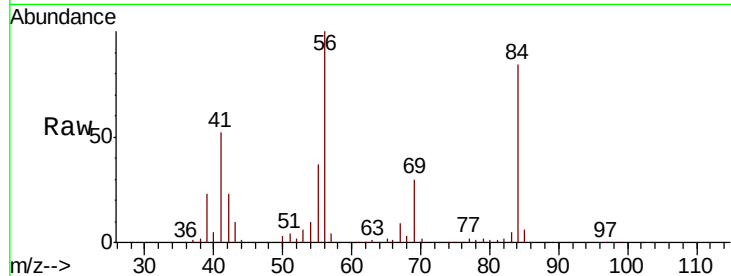
Tot Ion: 56 Resp: 167668

Ion Ratio Lower Upper

56 100

69 29.9 24.2 36.2

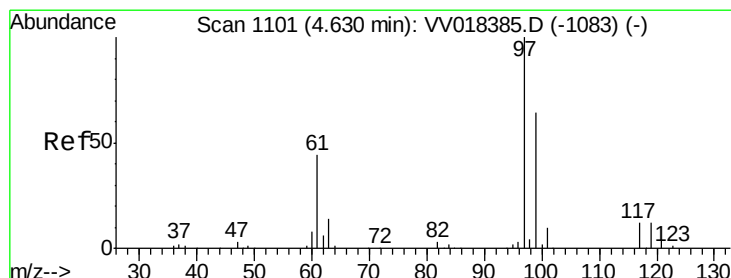
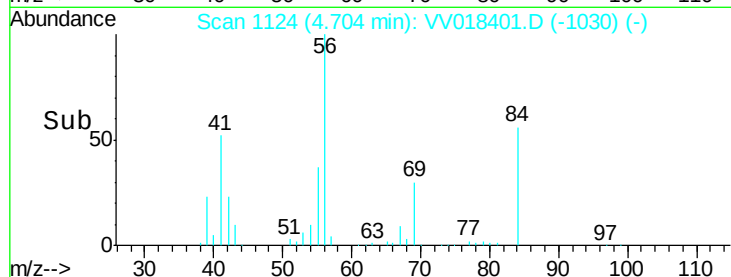
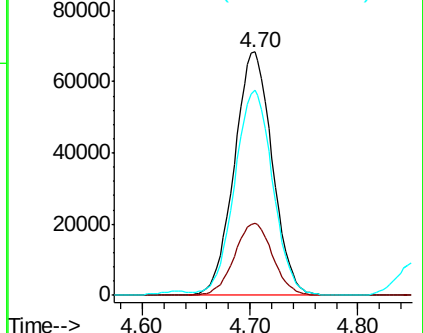
84 84.9 68.3 102.5



Abundance Ion 56.00 (55.70 to 56.70): VV018401.D (-1030) (-)

Ion 69.00 (68.70 to 69.70): VV018401.D (-1030) (-)

Ion 84.00 (83.70 to 84.70): VV018401.D (-1030) (-)



#30

1,1,1-Trichloroethane

Concen: 44.789 ug/L

RT: 4.63 min Scan# 1102

Delta R.T. 0.00 min

Lab File: VV018401.D

Acq: 22 Sep 2020 17:39

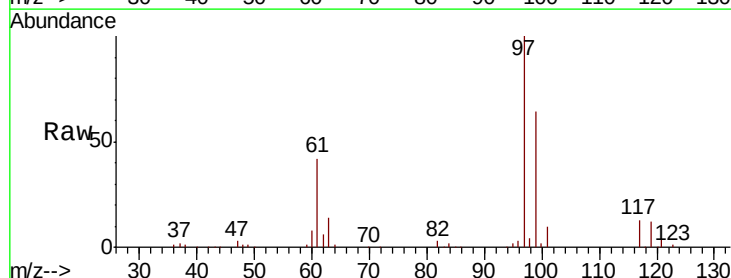
Tgt Ion: 97 Resp: 165325

Ion Ratio Lower Upper

97 100

99 64.2 51.6 77.4

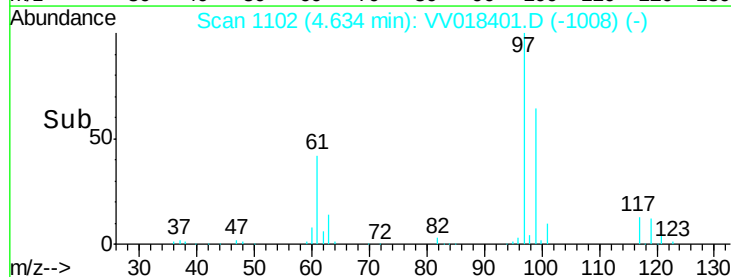
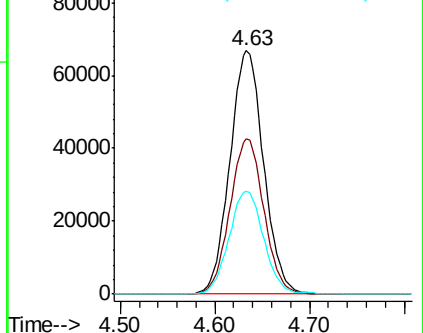
61 43.4 34.9 52.3

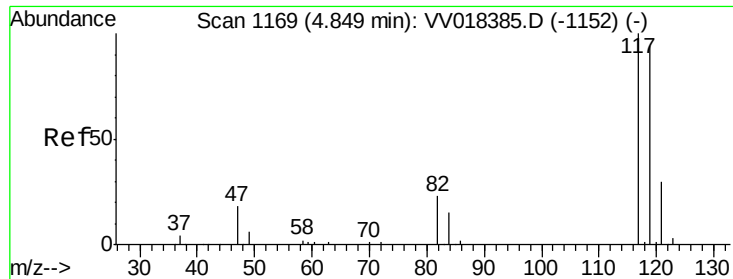


Abundance Ion 97.00 (96.70 to 97.70): VV018401.D (-1008) (-)

Ion 99.00 (98.70 to 99.70): VV018401.D (-1008) (-)

Ion 61.05 (60.75 to 61.75): VV018401.D (-1008) (-)





#31

Carbon tetrachloride

Concen: 44.430 ug/L

RT: 4.85 min Scan# 1170

Delta R.T. 0.00 min

Lab File: VV018401.D

Acq: 22 Sep 2020 17:39

Instrument :

MSVOA_V

ClientSampleId :

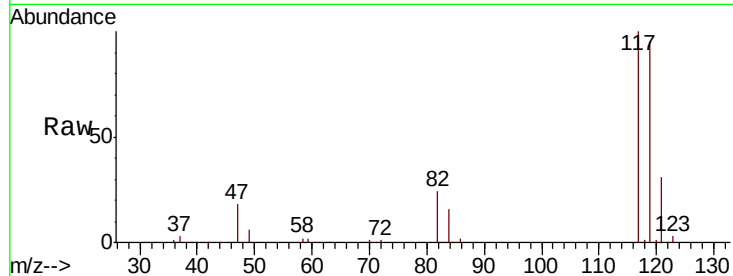
VSTD05084

Tot Ion:117 Resp: 144206

Ion Ratio Lower Upper

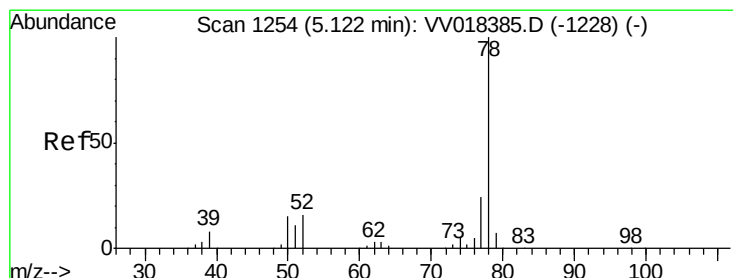
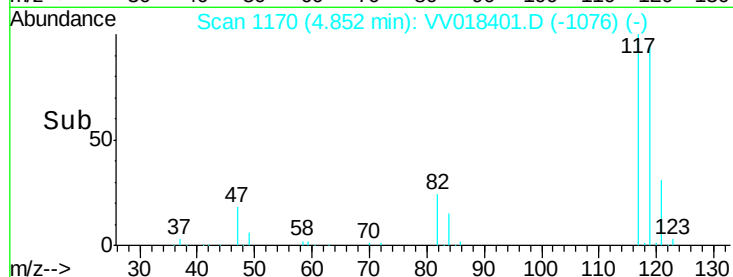
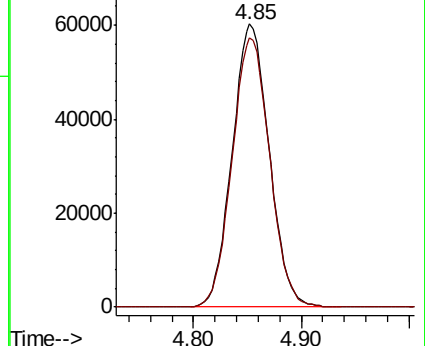
117 100

119 96.6 75.7 113.5



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 44.981 ug/L

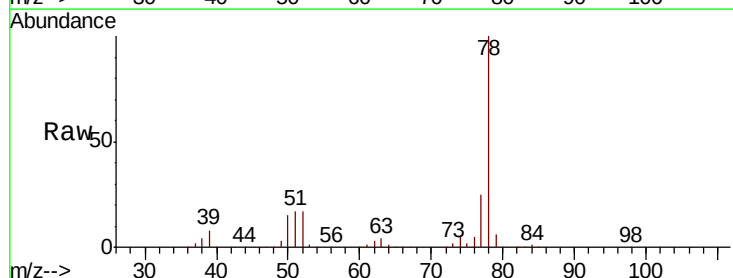
RT: 5.12 min Scan# 1254

Delta R.T. 0.00 min

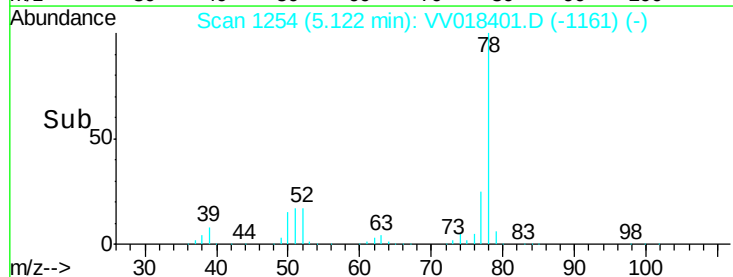
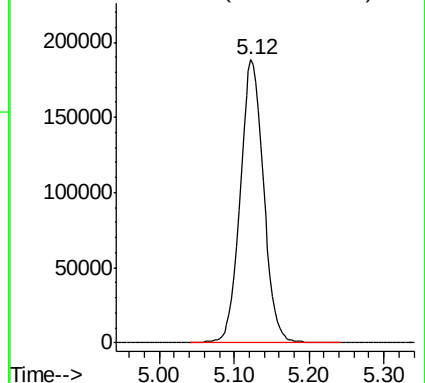
Lab File: VV018401.D

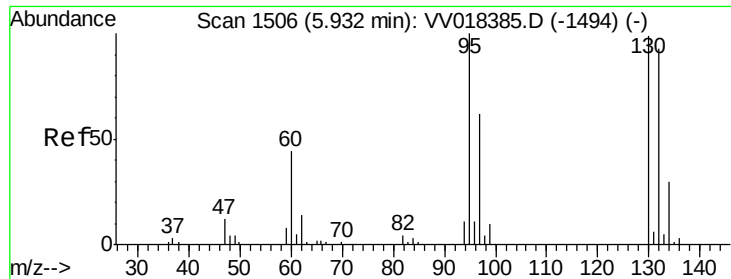
Acq: 22 Sep 2020 17:39

Tgt Ion: 78 Resp: 409047



Abundance Ion 78.00 (77.70 to 78.70): VV0





#34

Trichloroethene

Concen: 44.674 ug/L

RT: 5.94 min Scan# 1507

Delta R.T. 0.00 min

Lab File: VV018401.D

Acq: 22 Sep 2020 17:39

Instrument :

MSVOA_V

ClientSampleId :

VSTD05084

Tot Ion: 95 Resp: 110669

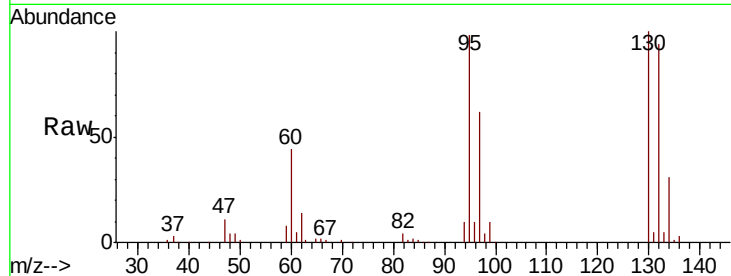
Ion Ratio Lower Upper

95 100

97 63.1 46.3 85.9

132 95.8 68.1 126.5

130 101.9 71.5 132.9



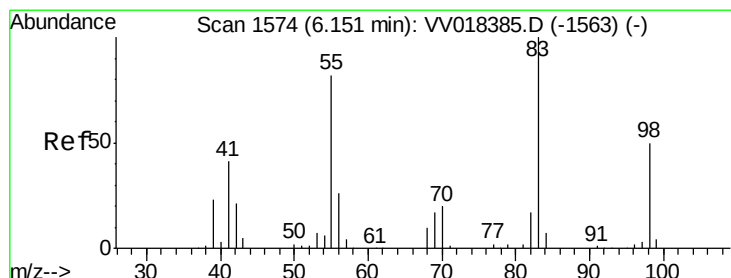
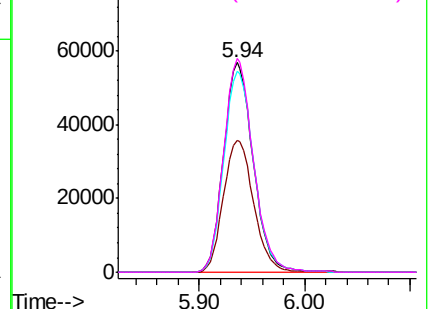
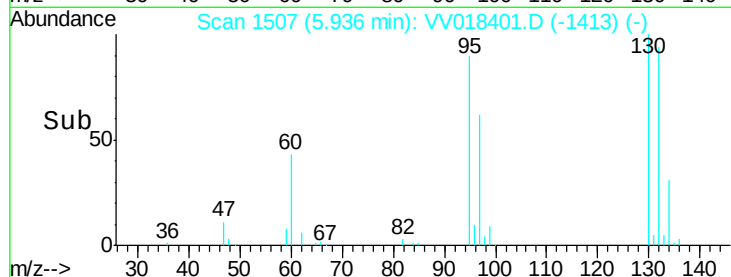
Abundance

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: 46.141 ug/L

RT: 6.15 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VV018401.D

Acq: 22 Sep 2020 17:39

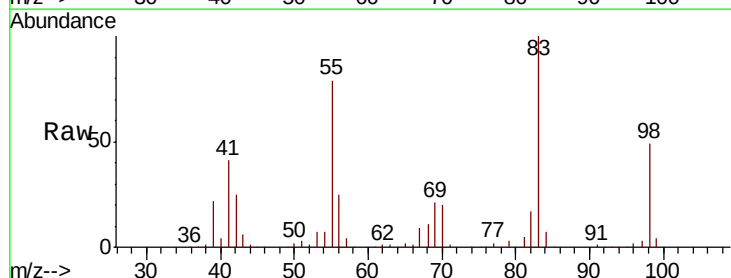
Tgt Ion: 83 Resp: 172101

Ion Ratio Lower Upper

83 100

55 79.7 63.4 95.2

98 49.0 38.8 58.2

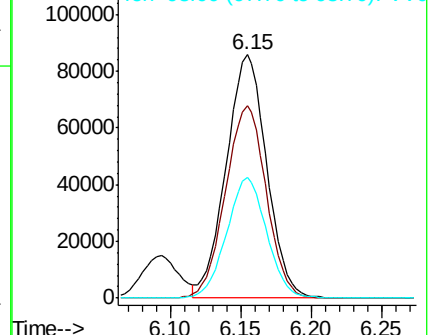
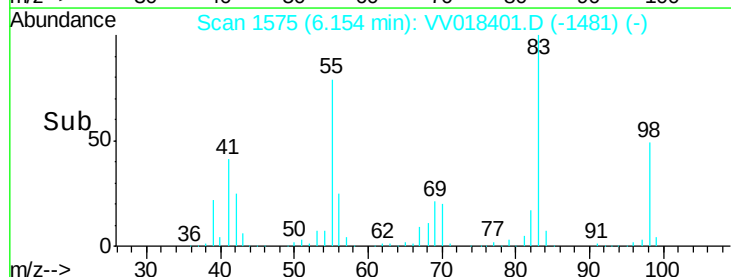


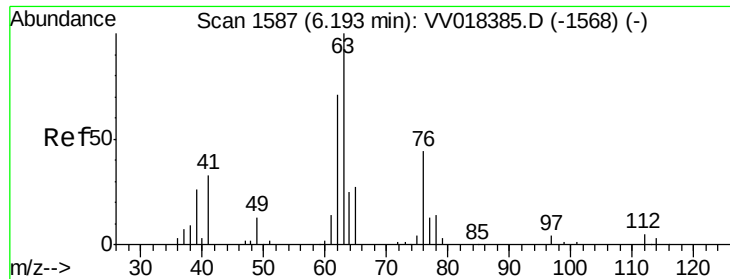
Abundance

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

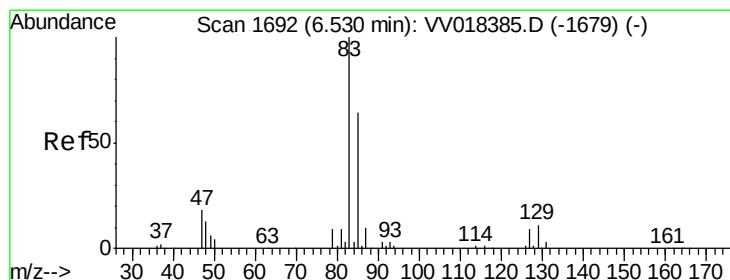
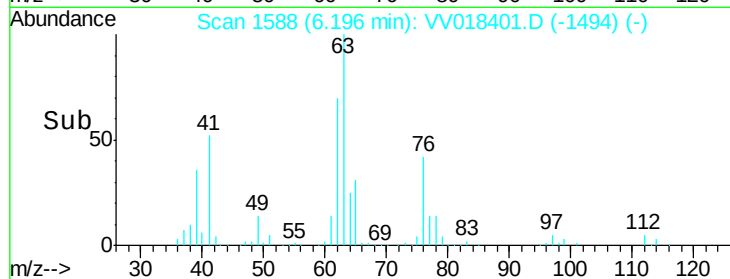
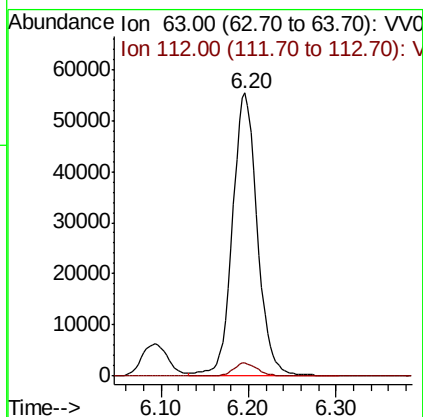
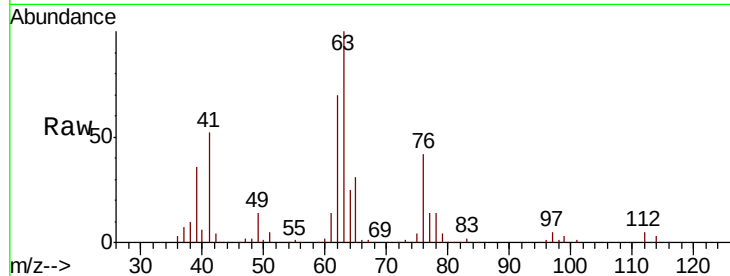




#37
 1,2-Dichloropropane
 Concen: 45.064 ug/L
 RT: 6.20 min Scan# 1588
 Delta R.T. 0.00 min
 Lab File: VV018401.D
 Acq: 22 Sep 2020 17:39

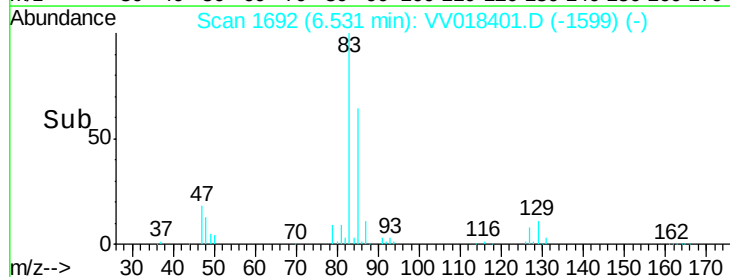
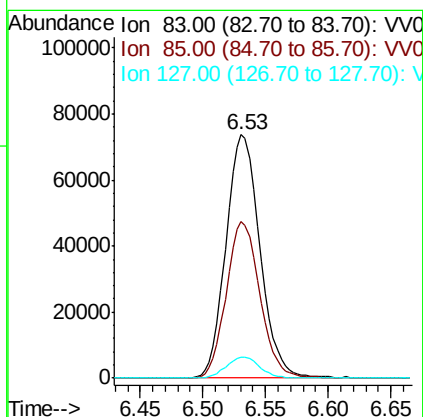
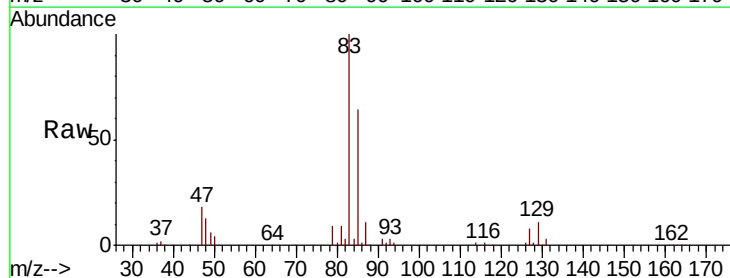
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05084

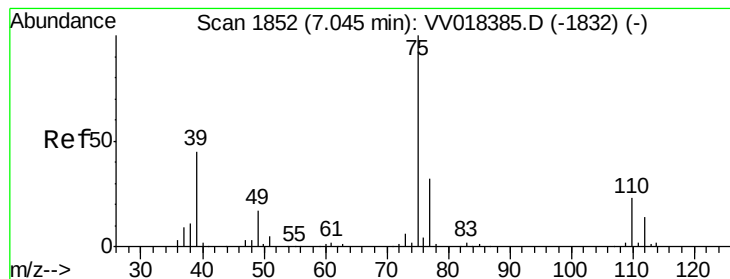
Tot Ion: 63 Resp: 108592
 Ion Ratio Lower Upper
 63 100
 112 4.6 3.4 5.2



#38
 Bromodichloromethane
 Concen: 44.303 ug/L
 RT: 6.53 min Scan# 1692
 Delta R.T. 0.00 min
 Lab File: VV018401.D
 Acq: 22 Sep 2020 17:39

Tgt Ion: 83 Resp: 138928
 Ion Ratio Lower Upper
 83 100
 85 64.1 44.7 82.9
 127 8.4 6.7 10.1



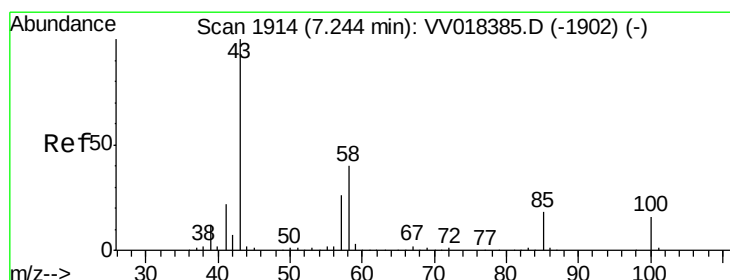
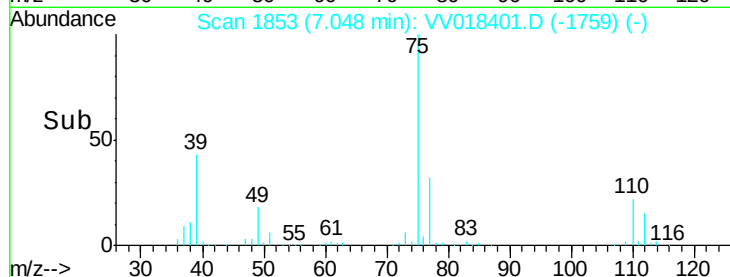
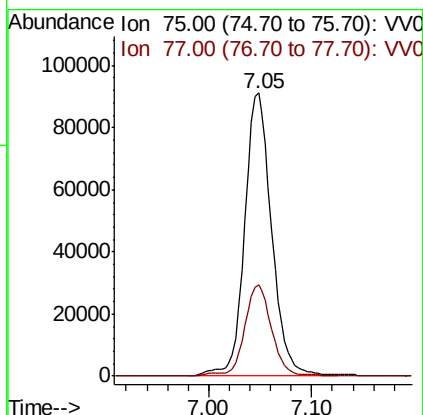
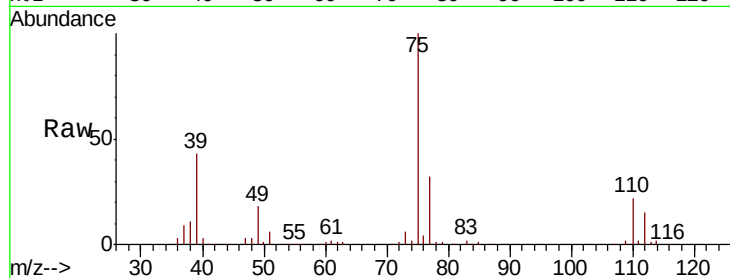


#39

cis-1,3-Dichloropropene
 Concen: 44.718 ug/L
 RT: 7.05 min Scan# 1853
 Delta R.T. 0.00 min
 Lab File: VV018401.D
 Acq: 22 Sep 2020 17:39

Instrument :
 MSVOA_V
 ClientSampled :
 VSTD05084

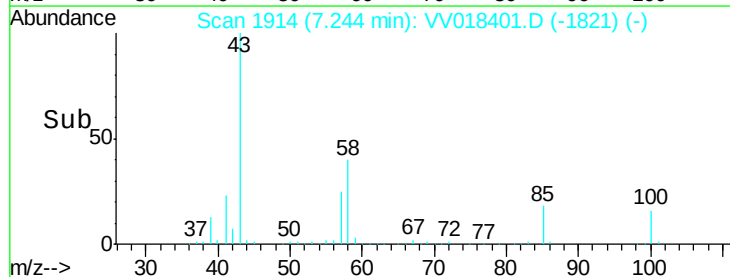
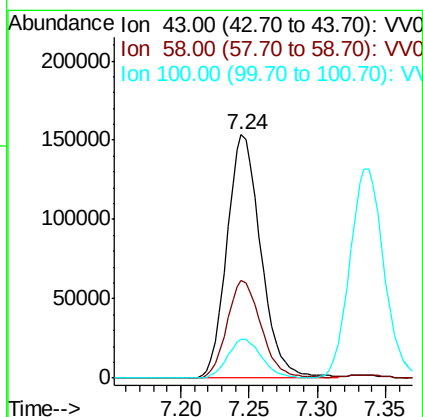
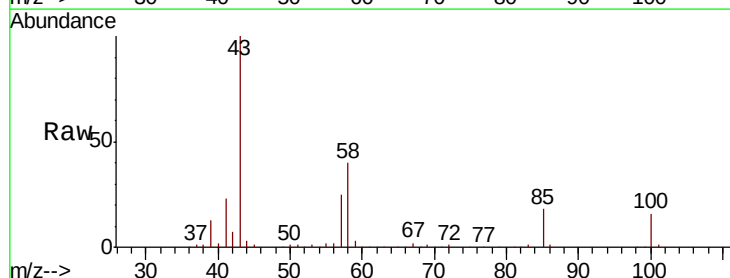
Tot Ion: 75 Resp: 166030
 Ion Ratio Lower Upper
 75 100
 77 32.1 22.3 41.3

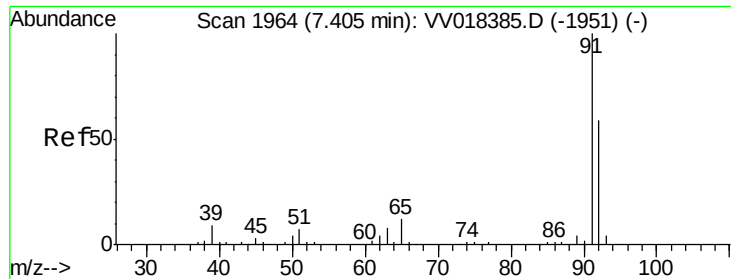


#40

4-Methyl-2-pentanone
 Concen: 90.939 ug/L
 RT: 7.24 min Scan# 1914
 Delta R.T. 0.00 min
 Lab File: VV018401.D
 Acq: 22 Sep 2020 17:39

Tgt Ion: 43 Resp: 265852
 Ion Ratio Lower Upper
 43 100
 58 40.3 32.4 48.6
 100 16.0 12.7 19.1





#42

Toluene

Concen: 45.701 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VV018401.D

Acq: 22 Sep 2020 17:39

Instrument :

MSVOA_V

ClientSampleId :

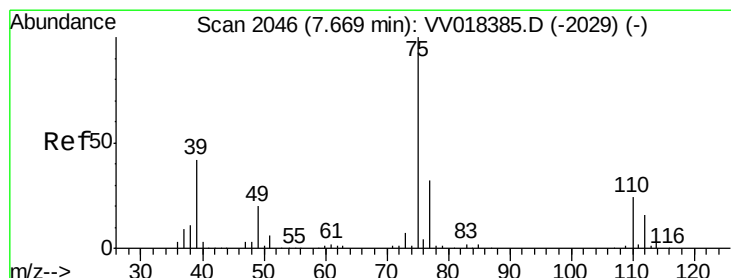
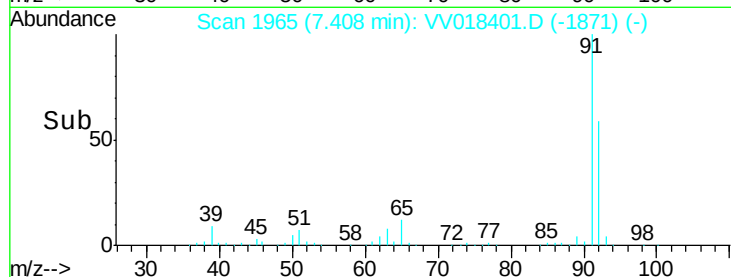
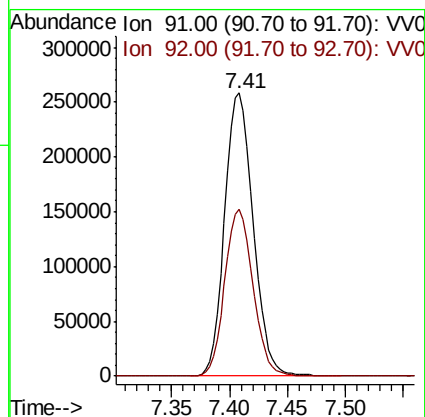
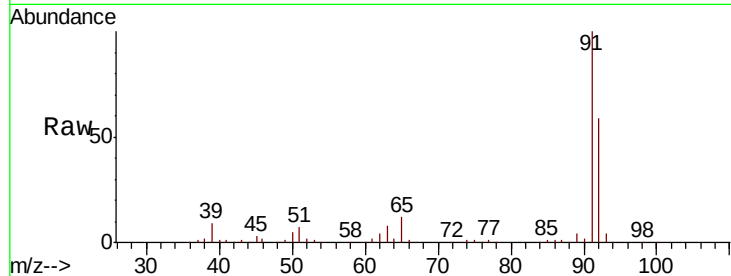
VSTD05084

Tot Ion: 91 Resp: 439812

Ion Ratio Lower Upper

91 100

92 58.9 40.7 75.5



#44

trans-1,3-Dichloropropene

Concen: 45.336 ug/L

RT: 7.67 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VV018401.D

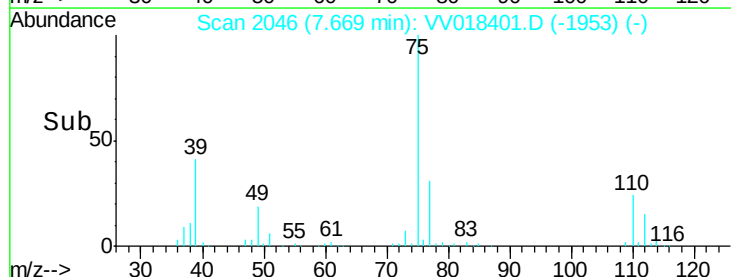
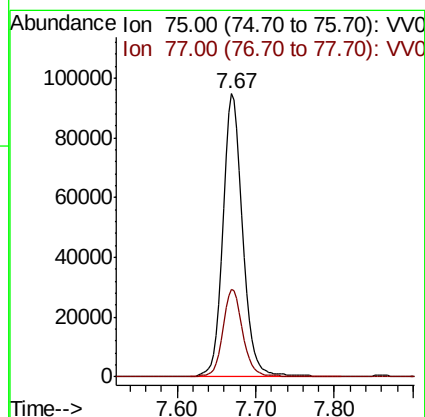
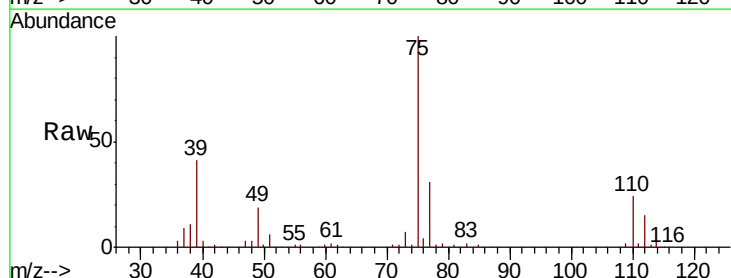
Acq: 22 Sep 2020 17:39

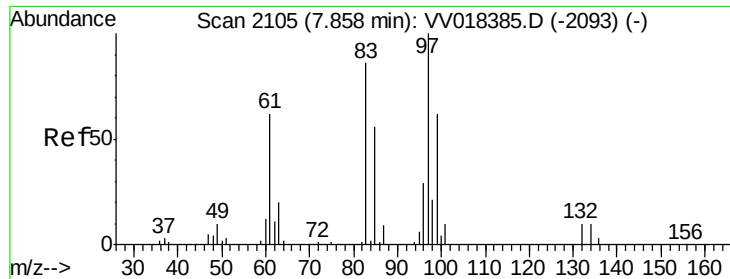
Tgt Ion: 75 Resp: 163891

Ion Ratio Lower Upper

75 100

77 30.8 22.3 41.5

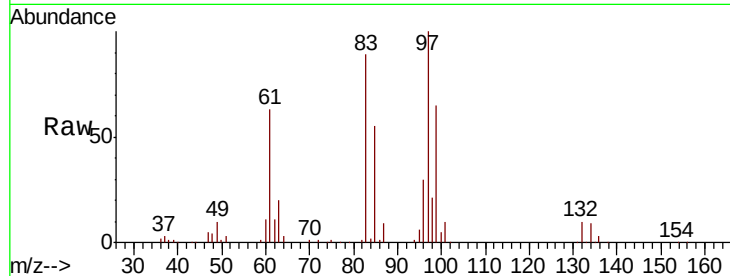




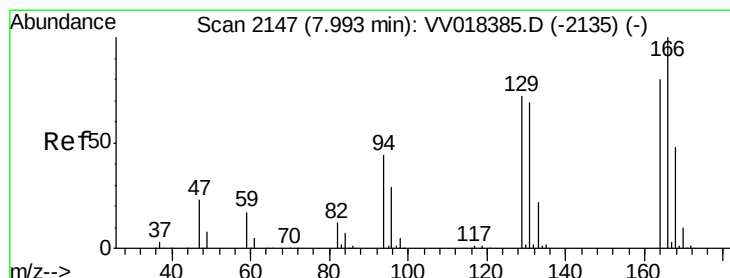
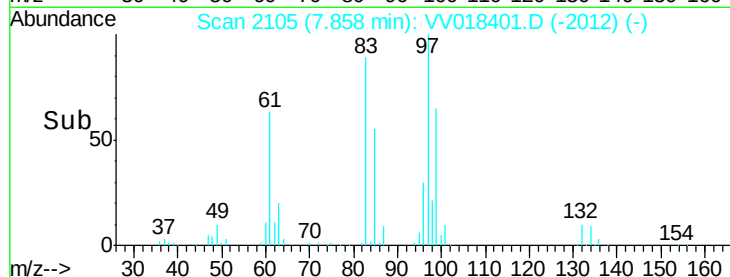
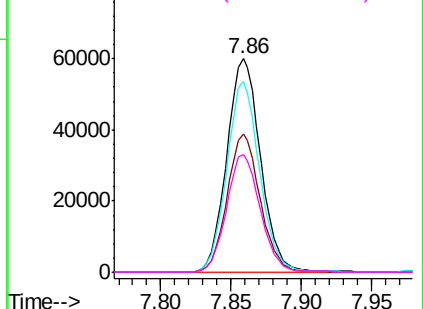
#45
 1,1,2-Trichloroethane
 Concen: 44.939 ug/L
 RT: 7.86 min Scan# 2105
 Delta R.T. 0.00 min
 Lab File: VV018401.D
 Acq: 22 Sep 2020 17:39

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05084

Tot Ion:	97	Resp:	100372
Ion	Ratio	Lower	Upper
97	100		
99	64.9	43.7	81.1
83	89.5	59.9	111.3
85	55.4	37.6	69.8

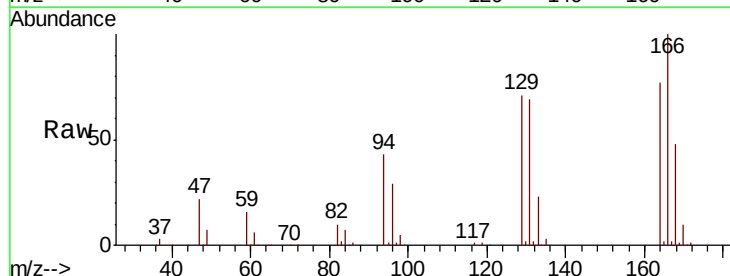


Abundance Ion 97.00 (96.70 to 97.70): VV018401.D (-2012) (-)

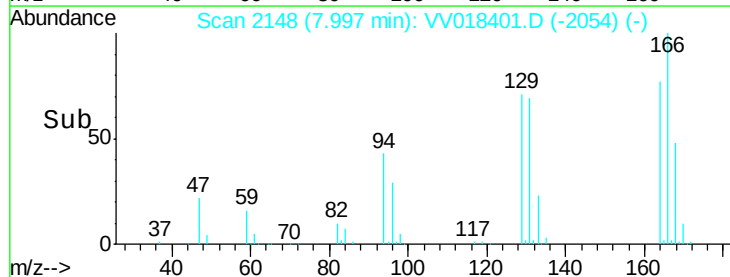
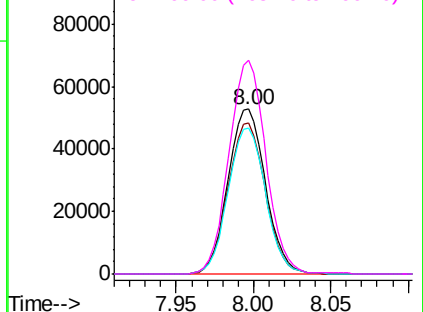


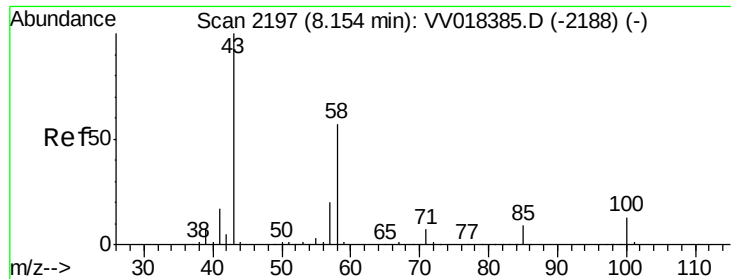
#46
 Tetrachloroethene
 Concen: 45.708 ug/L
 RT: 8.00 min Scan# 2148
 Delta R.T. 0.00 min
 Lab File: VV018401.D
 Acq: 22 Sep 2020 17:39

Tgt Ion:	164	Resp:	88781
Ion	Ratio	Lower	Upper
164	100		
129	91.4	64.5	119.7
131	88.8	61.8	114.8
166	129.5	90.6	168.2



Abundance Ion 164.00 (163.70 to 164.70): VV018401.D (-2054) (-)

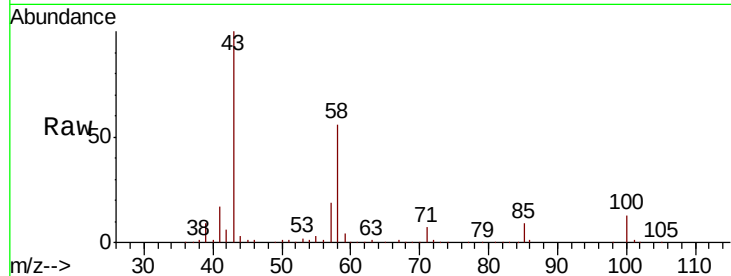




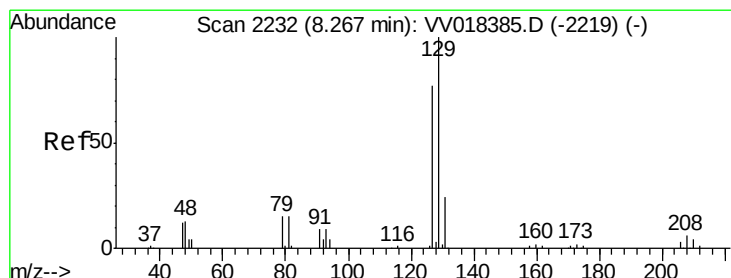
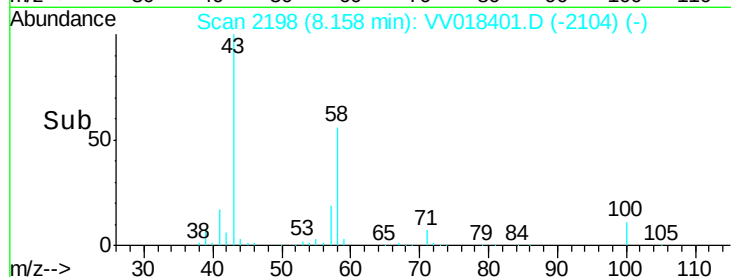
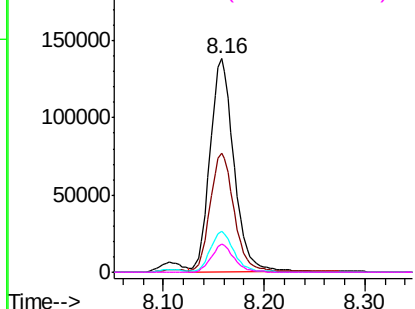
#48
2-Hexanone
Concen: 98.259 ug/L
RT: 8.16 min Scan# 2198
Delta R.T. 0.00 min
Lab File: VV018401.D
Acq: 22 Sep 2020 17:39

Instrument :
MSVOA_V
ClientSampleId :
VSTD05084

Tot Ion: 43 Resp: 226464
Ion Ratio Lower Upper
43 100
58 56.3 44.8 67.2
57 19.1 15.8 23.6
100 12.6 10.2 15.4

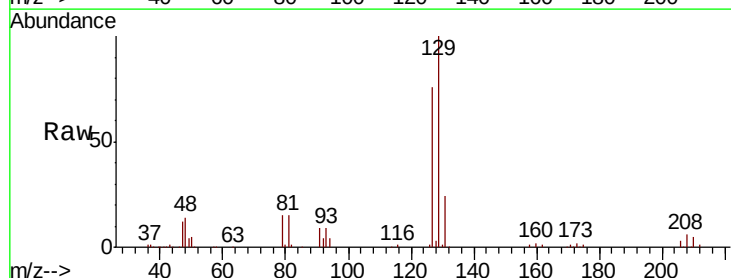


Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 58.00 (57.70 to 58.70): VV0
Ion 57.00 (56.70 to 57.70): VV0
Ion 100.00 (99.70 to 100.70): VV0

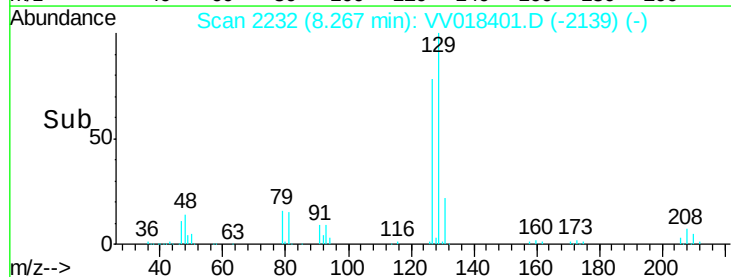
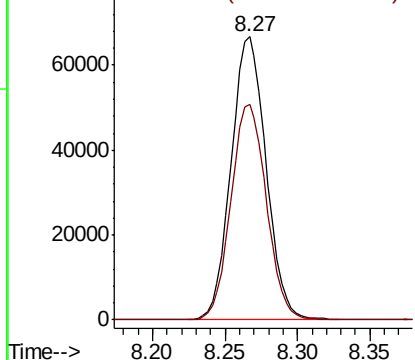


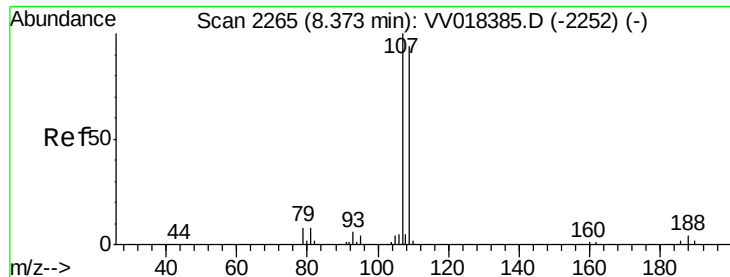
#49
Dibromochloromethane
Concen: 44.640 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. 0.00 min
Lab File: VV018401.D
Acq: 22 Sep 2020 17:39

Tgt Ion: 129 Resp: 111917
Ion Ratio Lower Upper
129 100
127 76.2 54.5 101.1



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

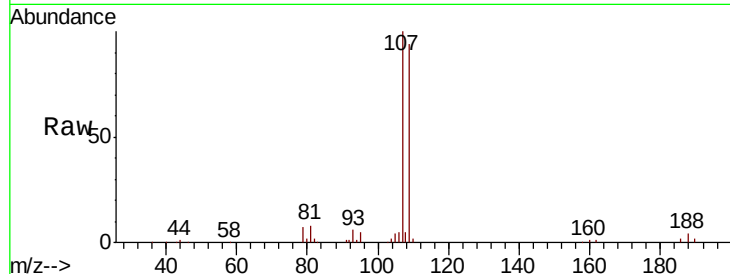




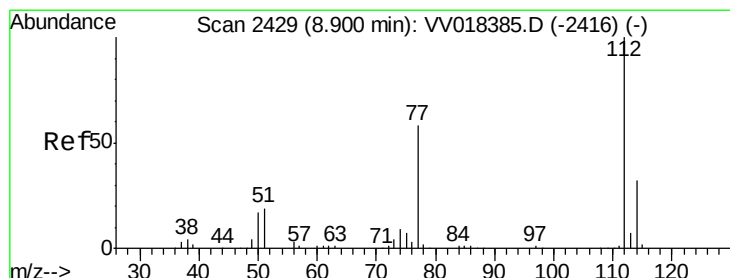
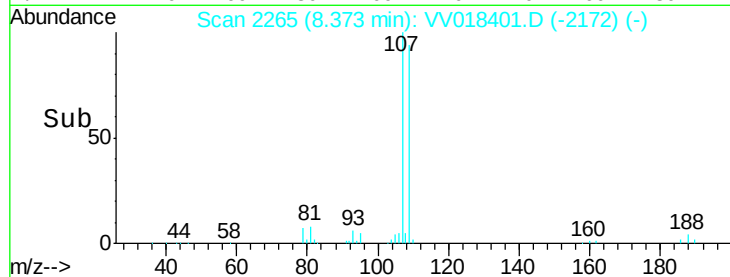
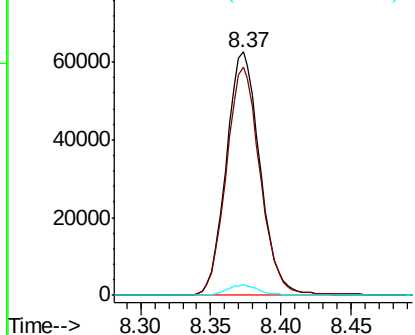
#50
1,2-Dibromoethane
Concen: 44.692 ug/L
RT: 8.37 min Scan# 2265
Delta R.T. 0.00 min
Lab File: VV018401.D
Acq: 22 Sep 2020 17:39

Instrument :
MSVOA_V
ClientSampleId :
VSTD05084

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.9	66.1	122.8
188	4.2	3.2	4.8

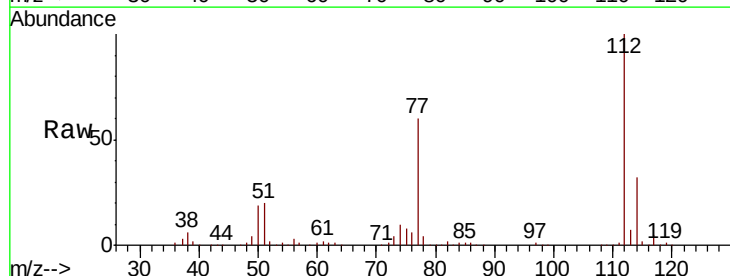


Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V

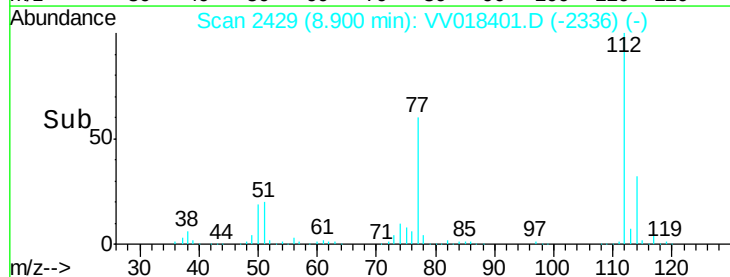
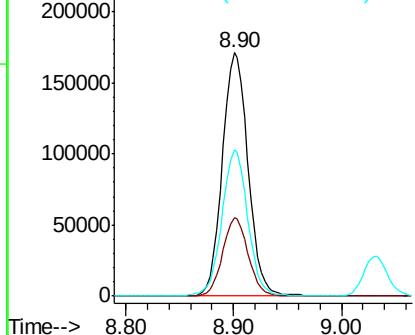


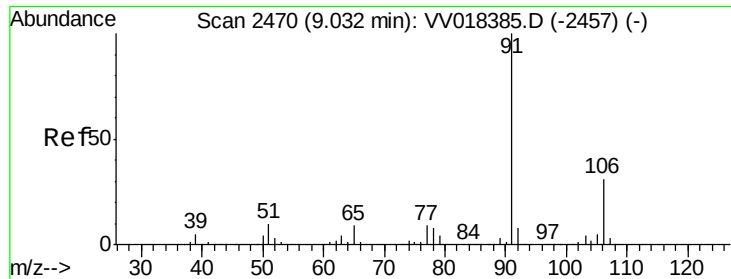
#51
Chlorobenzene
Concen: 45.478 ug/L
RT: 8.90 min Scan# 2429
Delta R.T. 0.00 min
Lab File: VV018401.D
Acq: 22 Sep 2020 17:39

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.2	22.6	42.0
77	60.2	48.0	72.0



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





#52

Ethylbenzene

Concen: 46.475 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. 0.00 min

Lab File: VV018401.D

Acq: 22 Sep 2020 17:39

Instrument :

MSVOA_V

ClientSampleId :

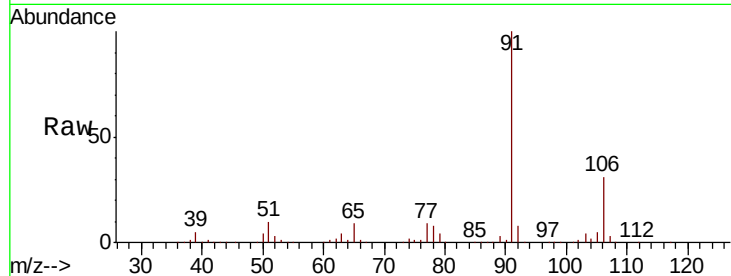
VSTD05084

Tot Ion: 91 Resp: 488294

Ion Ratio Lower Upper

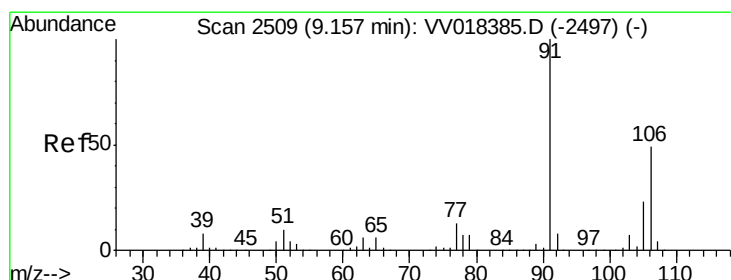
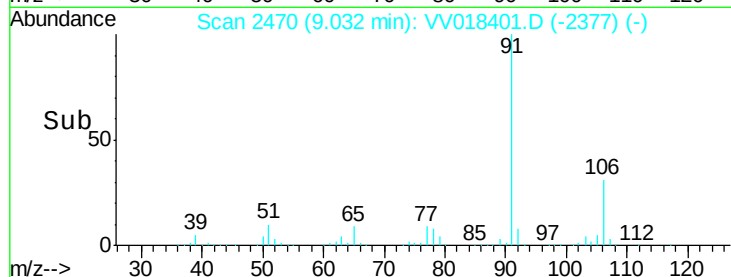
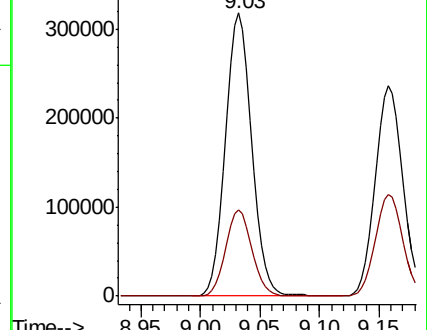
91 100

106 30.6 21.3 39.5



Abundance Ion 91.00 (90.70 to 91.70): VV018401.D (-2377) (-)

Ion 106.00 (105.70 to 106.70): VV018401.D (-2377) (-)



#53

m,p-Xylene

Concen: 46.913 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VV018401.D

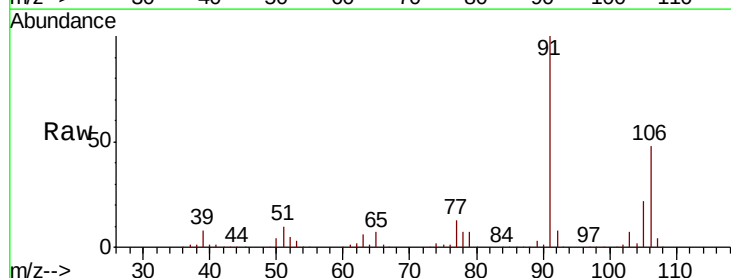
Acq: 22 Sep 2020 17:39

Tgt Ion: 106 Resp: 183978

Ion Ratio Lower Upper

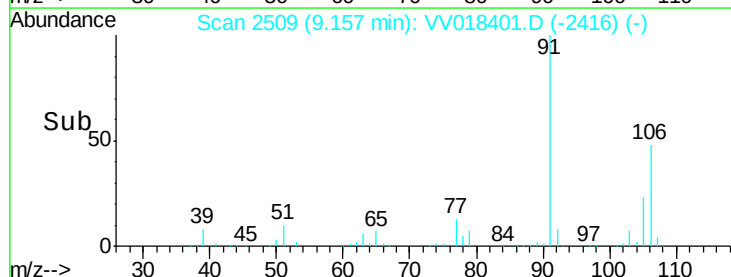
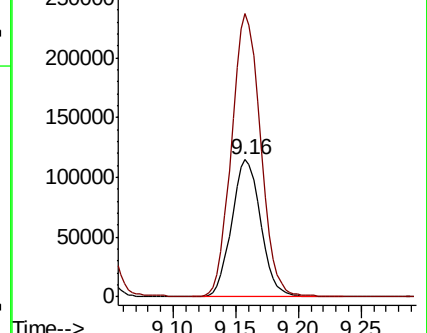
106 100

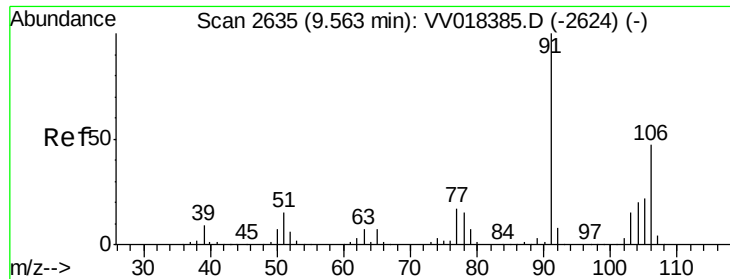
91 206.4 146.7 272.5



Abundance Ion 106.00 (105.70 to 106.70): VV018401.D (-2416) (-)

Ion 91.00 (90.70 to 91.70): VV018401.D (-2416) (-)





#54

o-xylene

Concen: 46.633 ug/L

RT: 9.56 min Scan# 2635

Delta R.T. 0.00 min

Lab File: VV018401.D

Acq: 22 Sep 2020 17:39

Instrument :

MSVOA_V

ClientSampleId :

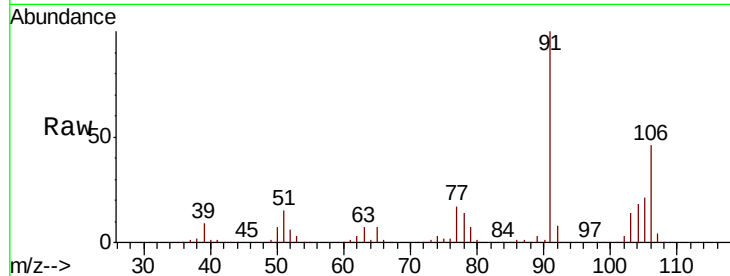
VSTD05084

Tot Ion:106 Resp: 176183

Ion Ratio Lower Upper

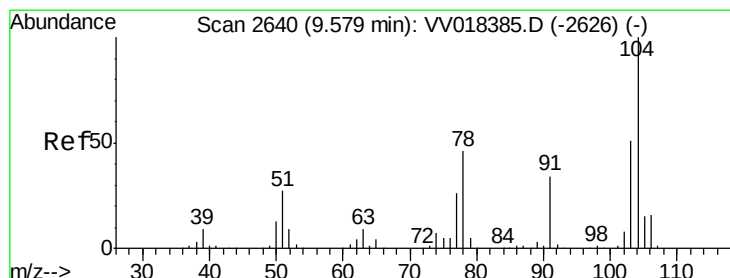
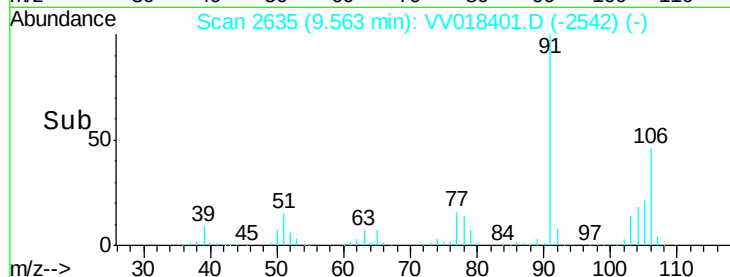
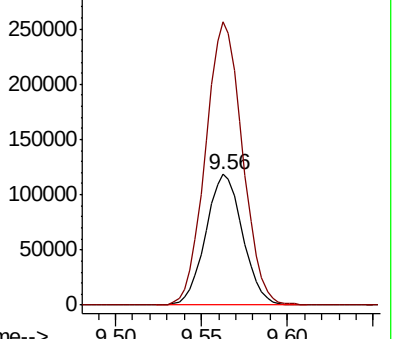
106 100

91 217.0 152.2 282.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 47.775 ug/L

RT: 9.58 min Scan# 2640

Delta R.T. 0.00 min

Lab File: VV018401.D

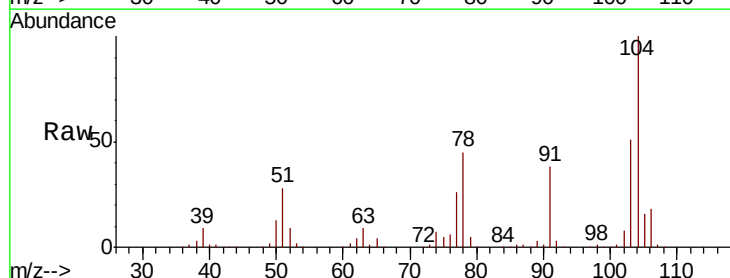
Acq: 22 Sep 2020 17:39

Tgt Ion:104 Resp: 313724

Ion Ratio Lower Upper

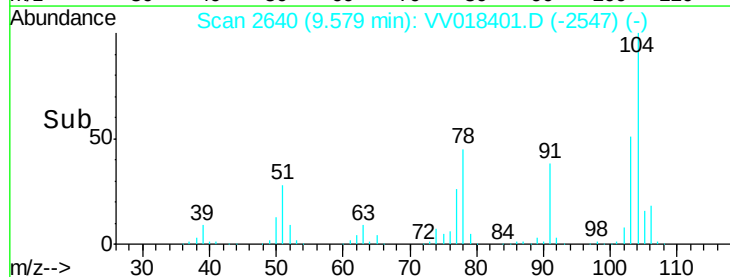
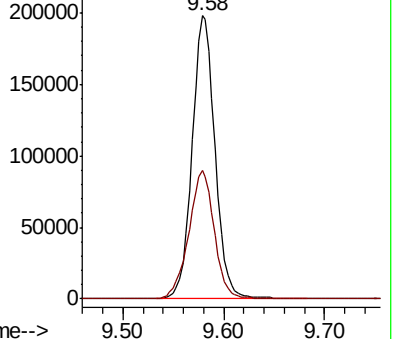
104 100

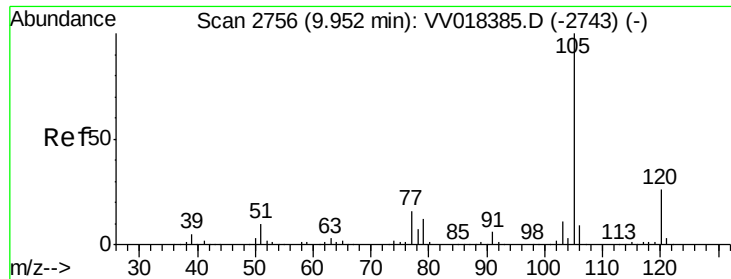
78 45.2 31.4 58.2



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 47.639 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV018401.D

Acq: 22 Sep 2020 17:39

Instrument :

MSVOA_V

ClientSampleId :

VSTD05084

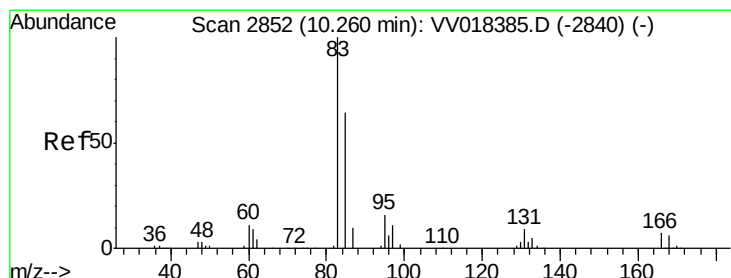
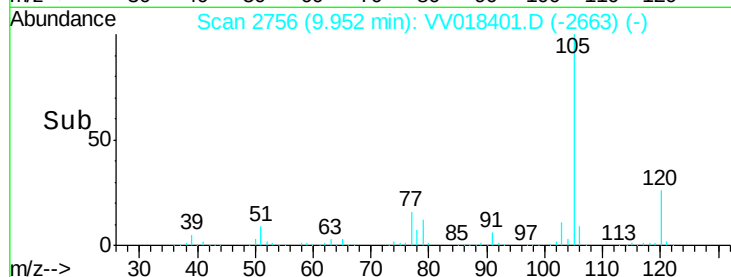
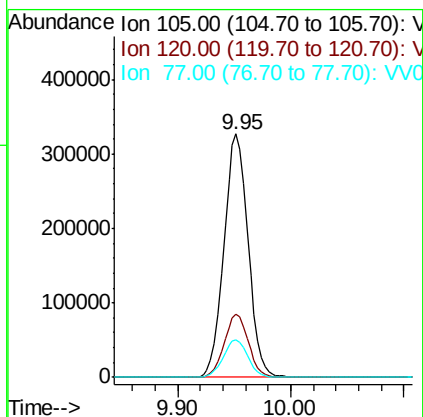
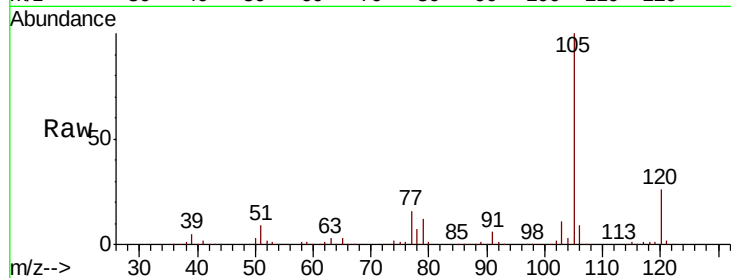
Tot Ion:105 Resp: 485074

Ion Ratio Lower Upper

105 100

120 26.0 20.9 31.3

77 15.7 12.5 18.7



#58

1,1,2,2-Tetrachloroethane

Concen: 45.046 ug/L

RT: 10.26 min Scan# 2852

Delta R.T. 0.00 min

Lab File: VV018401.D

Acq: 22 Sep 2020 17:39

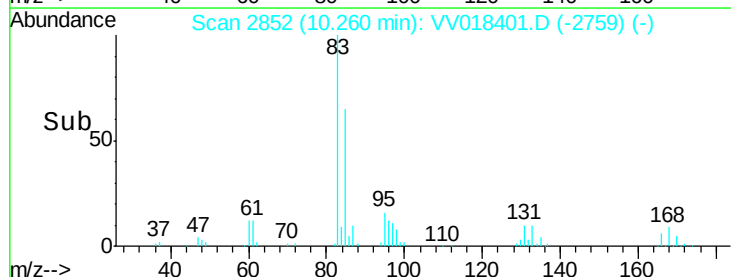
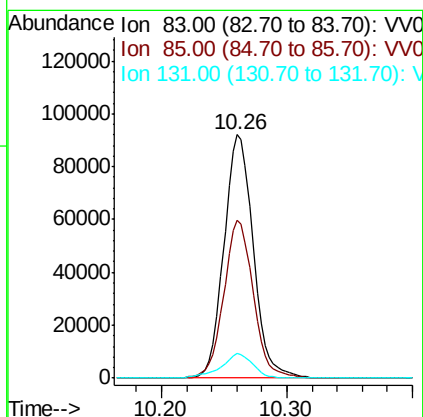
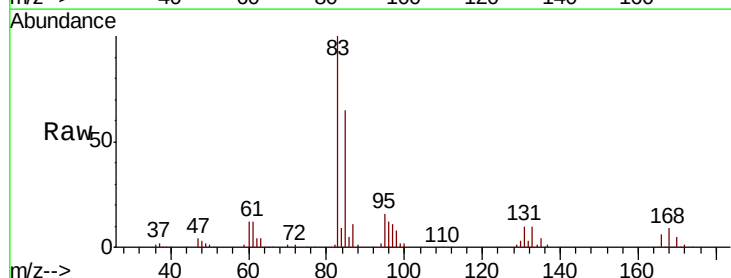
Tgt Ion: 83 Resp: 148827

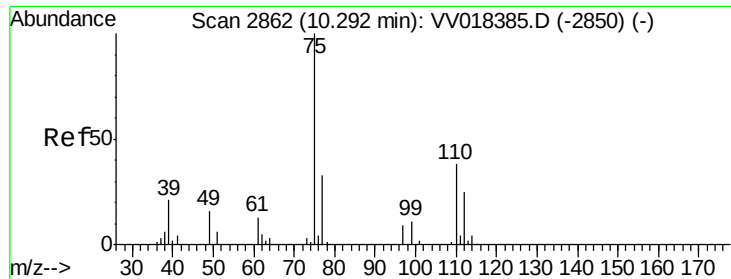
Ion Ratio Lower Upper

83 100

85 64.9 45.8 85.2

131 9.9 8.0 12.0





#59

1,2,3-Trichloropropane

Concen: 45.080 ug/L

RT: 10.29 min Scan# 2862

Delta R.T. 0.00 min

Lab File: VV018401.D

Acq: 22 Sep 2020 17:39

Instrument :

MSVOA_V

ClientSampleId :

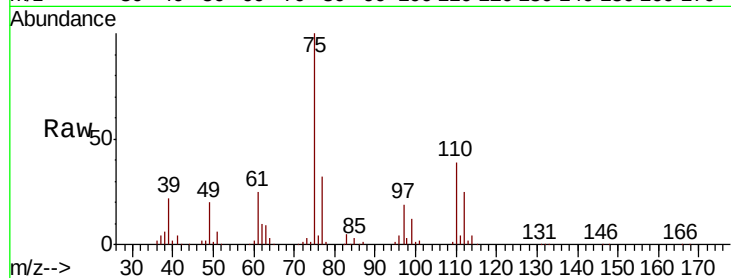
VSTD05084

Tot Ion: 75 Resp: 127770

Ion Ratio Lower Upper

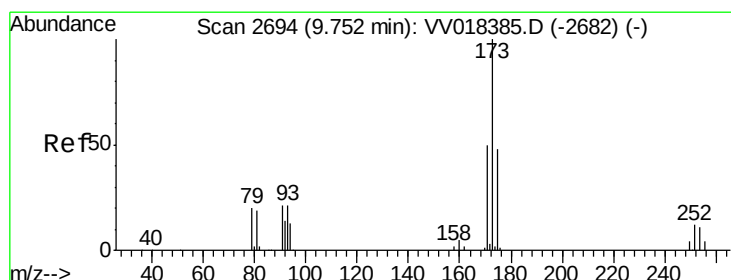
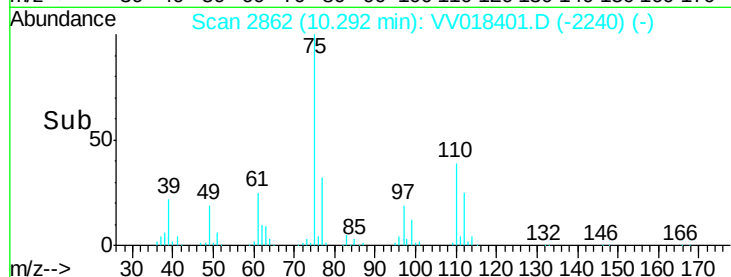
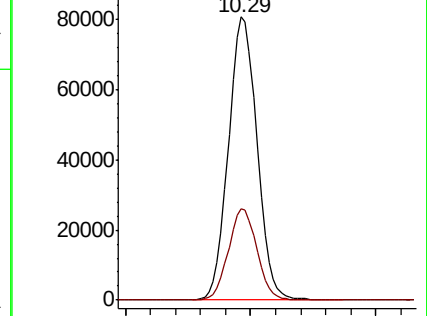
75 100

77 32.1 25.8 38.6



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0



#61

Bromoform

Concen: 42.808 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VV018401.D

Acq: 22 Sep 2020 17:39

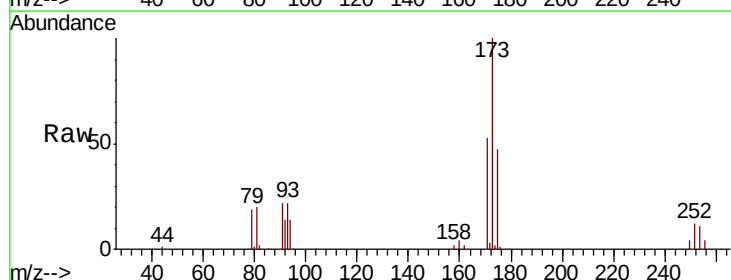
Tgt Ion: 173 Resp: 81706

Ion Ratio Lower Upper

173 100

175 48.6 39.0 58.6

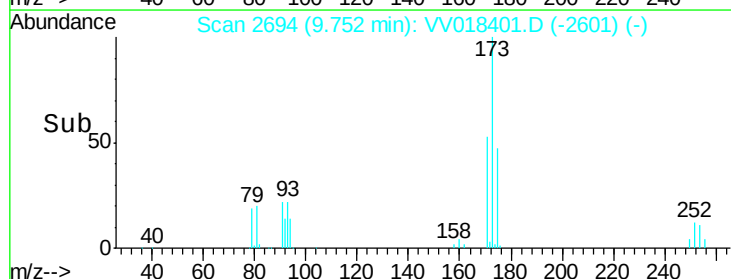
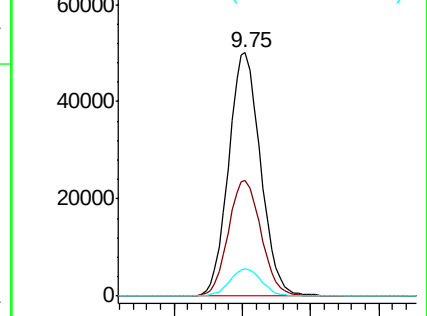
254 11.1 9.0 13.4

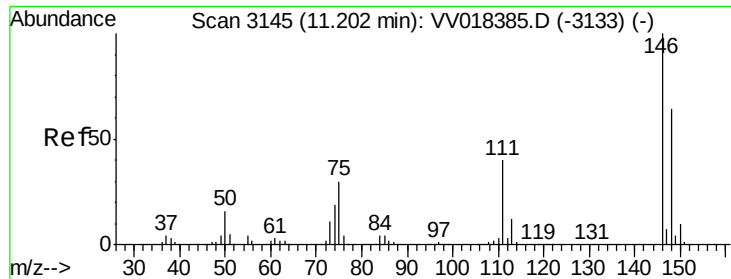


Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V





#62

1,3-Dichlorobenzene

Concen: 44.915 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. 0.00 min

Lab File: VV018401.D

Acq: 22 Sep 2020 17:39

Instrument :

MSVOA_V

ClientSampleId :

VSTD05084

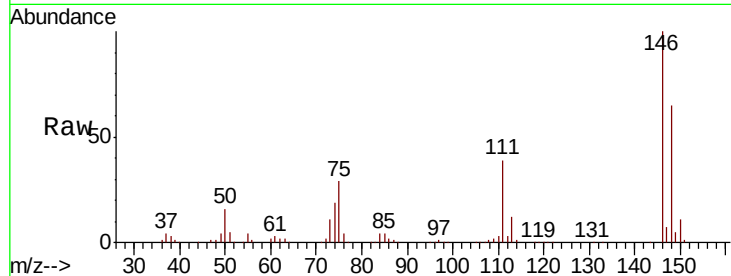
Tot Ion:146 Resp: 237295

Ion Ratio Lower Upper

146 100

111 39.2 27.6 51.2

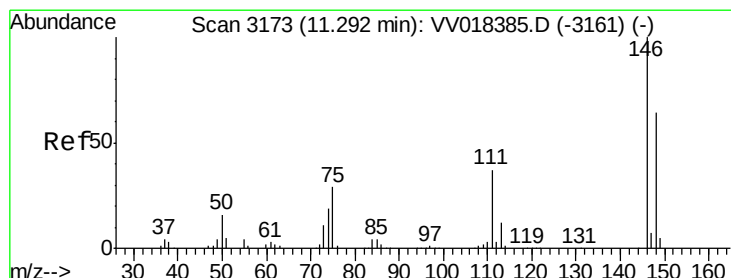
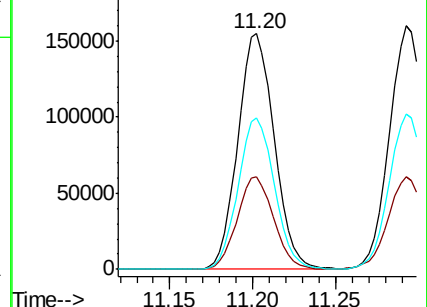
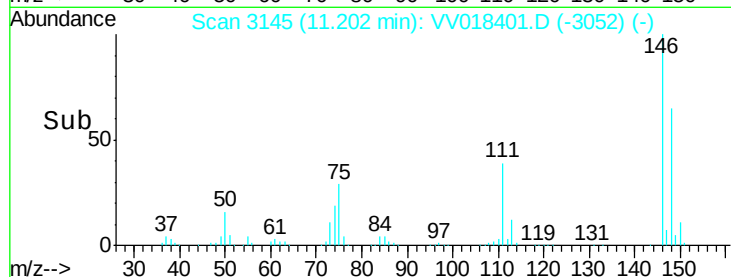
148 64.5 45.4 84.2



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 44.782 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. 0.00 min

Lab File: VV018401.D

Acq: 22 Sep 2020 17:39

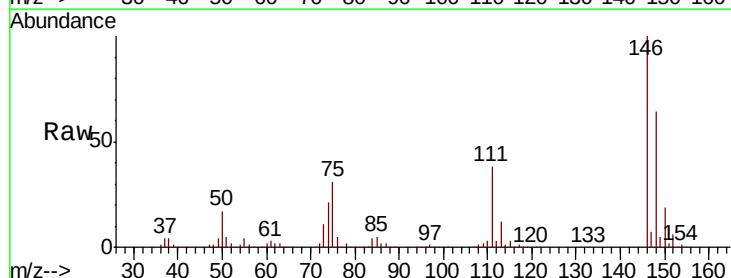
Tgt Ion:146 Resp: 243180

Ion Ratio Lower Upper

146 100

111 38.1 27.1 50.3

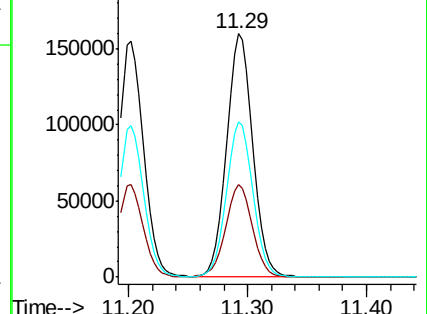
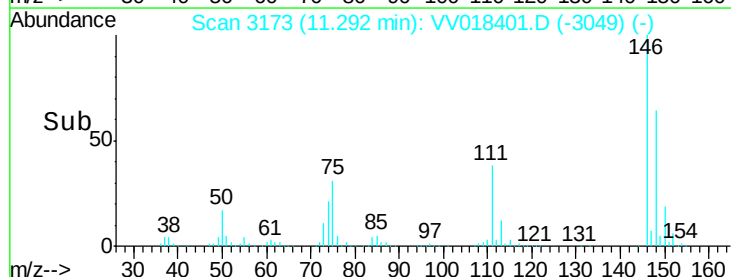
148 63.9 45.4 84.2

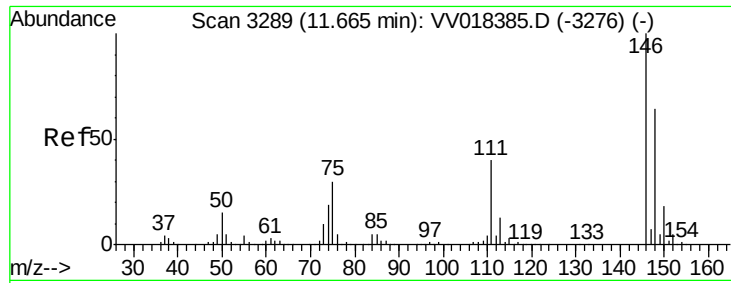


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 43.901 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. 0.00 min

Lab File: VV018401.D

Acq: 22 Sep 2020 17:39

Instrument :

MSVOA_V

ClientSampleId :

VSTD05084

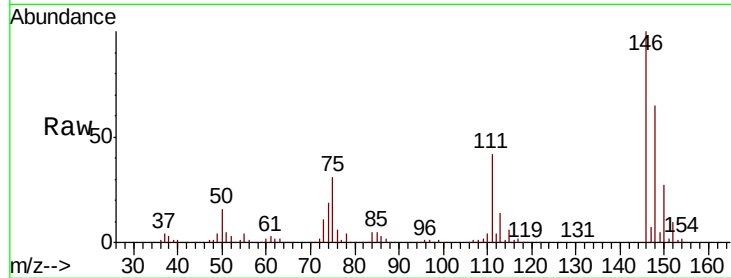
Tot Ion:146 Resp: 234433

Ion Ratio Lower Upper

146 100

111 41.5 32.8 49.2

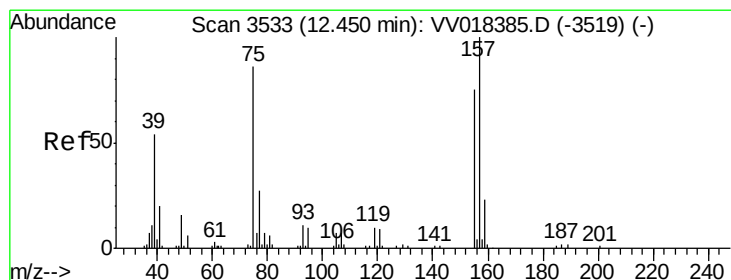
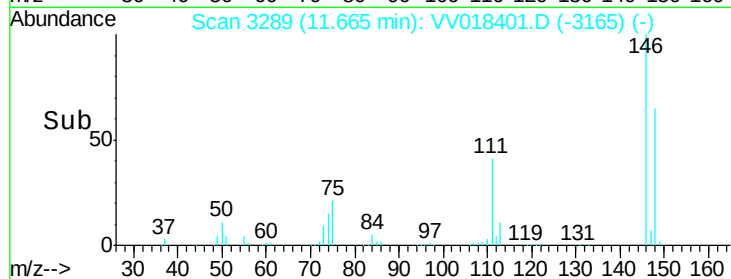
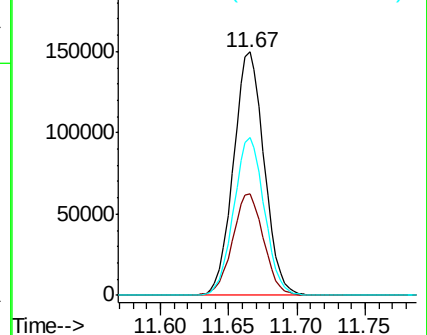
148 65.0 50.7 76.1



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: 44.253 ug/L

RT: 12.45 min Scan# 3533

Delta R.T. 0.00 min

Lab File: VV018401.D

Acq: 22 Sep 2020 17:39

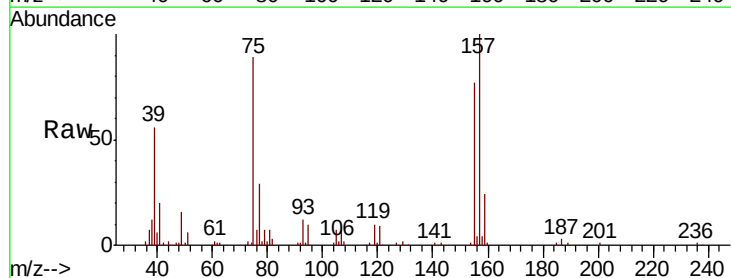
Tgt Ion: 75 Resp: 33347

Ion Ratio Lower Upper

75 100

155 86.8 69.7 104.5

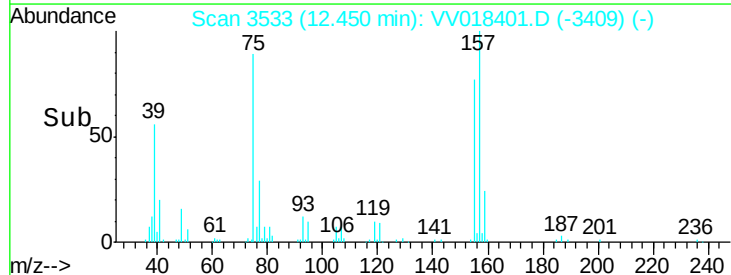
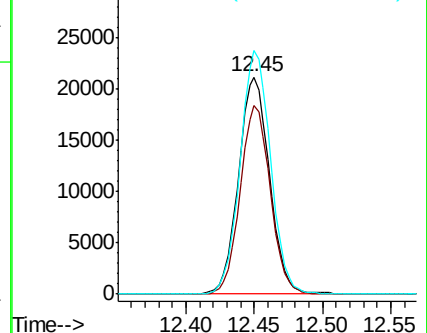
157 112.0 88.2 132.4

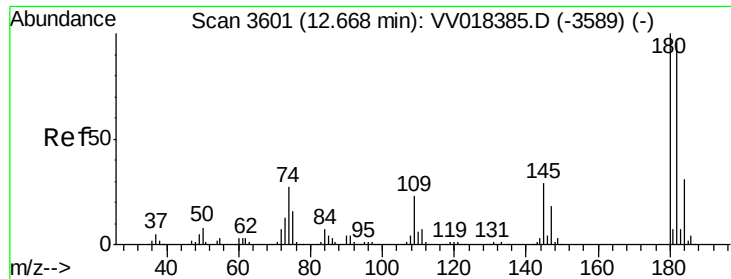


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

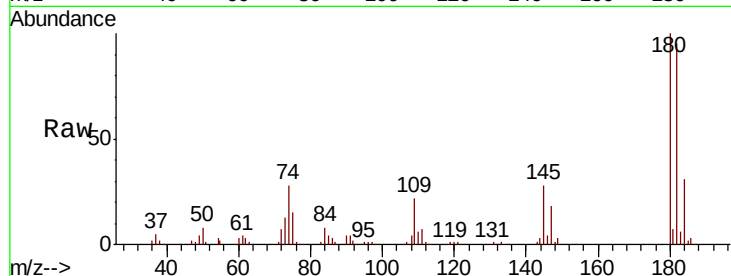




#67
 1,3,5-Trichlorobenzene
 Concen: 44.869 ug/L
 RT: 12.67 min Scan# 3600
 Delta R.T. -0.00 min
 Lab File: VV018401.D
 Acq: 22 Sep 2020 17:39

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05084

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.4	76.8	115.2
184	30.7	24.6	36.8
145	28.2	22.7	34.1

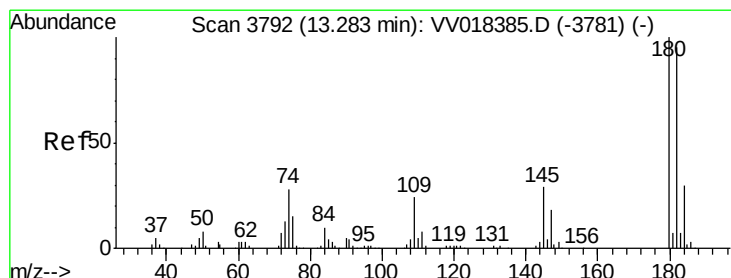
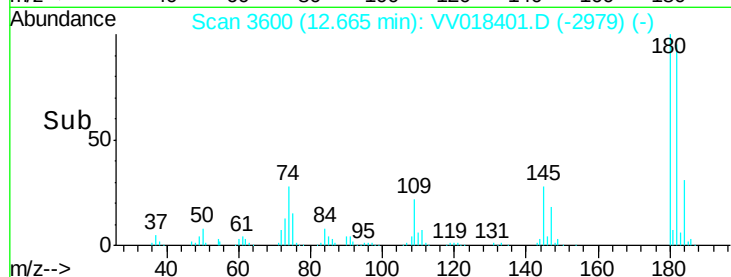
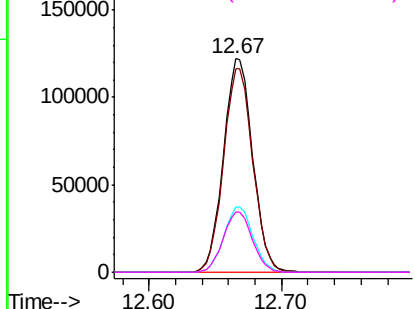


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

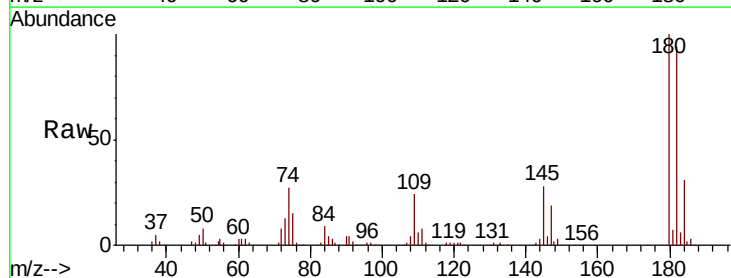
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 46.032 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. 0.00 min
 Lab File: VV018401.D
 Acq: 22 Sep 2020 17:39

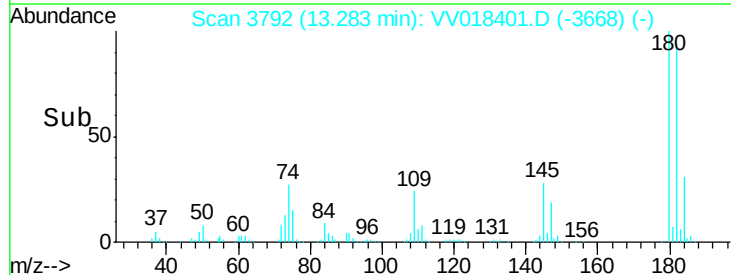
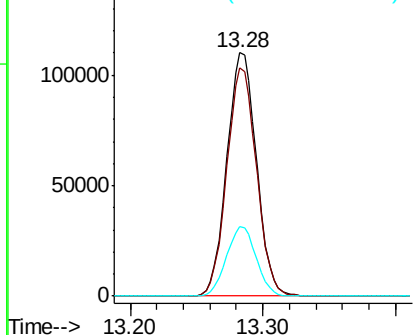
Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.0	77.4	116.2
145	28.7	23.2	34.8

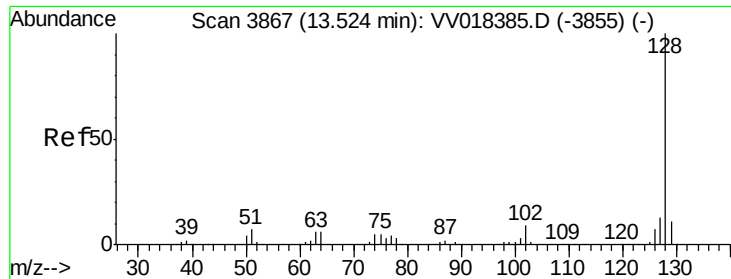


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 49.598 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. 0.00 min

Lab File: VV018401.D

Acq: 22 Sep 2020 17:39

Instrument :

MSVOA_V

ClientSampleId :

VSTD05084

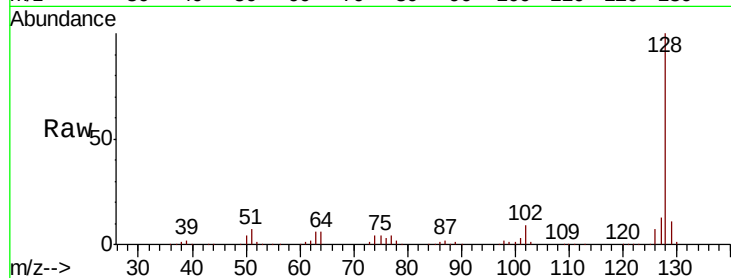
Tot Ion:128 Resp: 465467

Ion Ratio Lower Upper

128 100

127 12.9 10.6 15.8

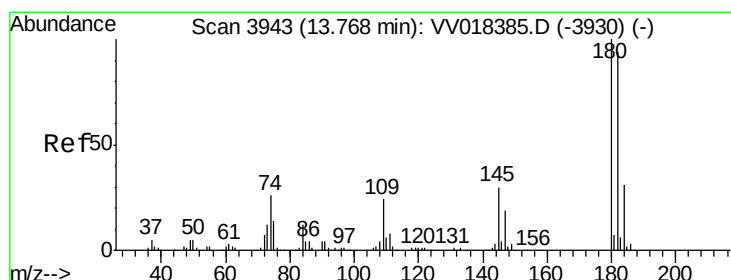
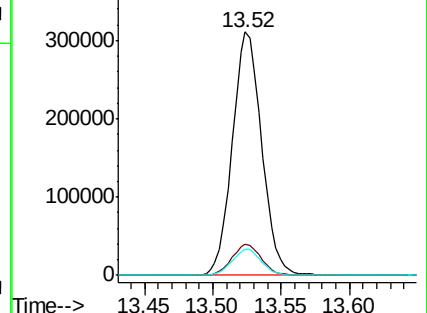
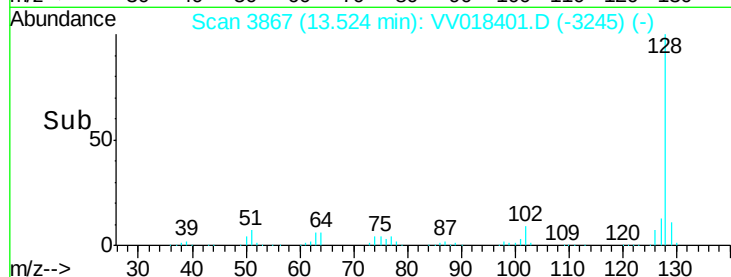
129 10.7 8.6 13.0



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: 47.220 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. 0.00 min

Lab File: VV018401.D

Acq: 22 Sep 2020 17:39

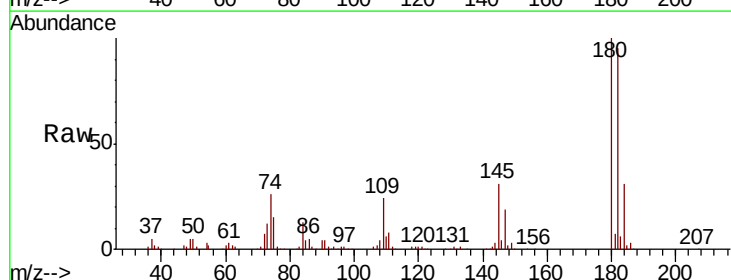
Tgt Ion:180 Resp: 172494

Ion Ratio Lower Upper

180 100

182 94.9 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

