

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV122820\
 Data File : VV019843.D
 Acq On : 28 Dec 2020 11:07
 Operator : SY/MD
 Sample : VSTD00561
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00561

Quant Time: Dec 28 12:20:41 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM122820WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Dec 28 12:18:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.62	114	595326	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.86	117	562257	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.25	152	274000	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	21658	5.03	ug/L	0.00
7) Chloroethane-d5	1.57	69	17909	5.28	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.11	63	42695	5.35	ug/L	0.00
21) 2-Butanone-d5	3.91	46	31033	12.18	ug/L	0.02
24) Chloroform-d	4.35	84	41987	5.36	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.04	65	26467	5.16	ug/L	0.00
32) Benzene-d6	5.06	84	76295	5.04	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.08	67	26100	5.47	ug/L	0.00
41) Toluene-d8	7.32	98	66001	4.86	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.63	79	11855	4.46	ug/L	0.00
47) 2-Hexanone-d5	8.10	63	16256	8.29	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.22	84	31355	4.83	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.63	152	24890	4.86	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.13	85	23474	5.029 ug/L	100
3) Chloromethane	1.24	50	29014	5.626 ug/L	100
5) Vinyl chloride	1.31	62	27504	5.363 ug/L	99
6) Bromomethane	1.52	94	17090	5.573 ug/L	95
8) Chloroethane	1.59	64	17394	5.588 ug/L	99
9) Trichlorofluoromethane	1.76	101	33689	5.425 ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	19037	5.541 ug/L	98
12) 1,1-Dichloroethene	2.12	96	19130	5.399 ug/L	81
13) Acetone	2.19	43	29168	13.778 ug/L	97
14) Carbon disulfide	2.30	76	61418	5.313 ug/L	100
15) Methyl Acetate	2.44	43	26330	5.857 ug/L	97
16) Methylene chloride	2.51	84	24489	5.779 ug/L	95
17) trans-1,2-Dichloroethene	2.77	96	20613	5.281 ug/L	95
18) Methyl tert-butyl Ether	2.77	73	69525	5.115 ug/L	99
19) 1,1-Dichloroethane	3.20	63	42843	5.603 ug/L	96
20) cis-1,2-Dichloroethene	3.92	96	22503	5.252 ug/L	98
22) 2-Butanone	4.00	43	27097	8.883 ug/L	80
23) Bromochloromethane	4.25	128	11308	5.353 ug/L	93
25) Chloroform	4.38	83	41830	5.483 ug/L	96
27) 1,2-Dichloroethane	5.14	62	33728	5.329 ug/L	97
29) Cyclohexane	4.68	56	34393	5.050 ug/L	# 89
30) 1,1,1-Trichloroethane	4.61	97	36207	5.179 ug/L	98
31) Carbon tetrachloride	4.84	117	29294	4.998 ug/L	99
33) Benzene	5.11	78	85954	5.192 ug/L	100
34) Trichloroethene	5.92	95	24169	5.562 ug/L	97
35) Methylcyclohexane	6.14	83	34170	5.220 ug/L	98
37) 1,2-Dichloropropane	6.18	63	22285	5.128 ug/L	98
38) Bromodichloromethane	6.52	83	29958	4.994 ug/L	99
39) cis-1,3-Dichloropropene	7.04	75	33555	4.704 ug/L	96
40) 4-Methyl-2-pentanone	7.23	43	66768	10.443 ug/L	100

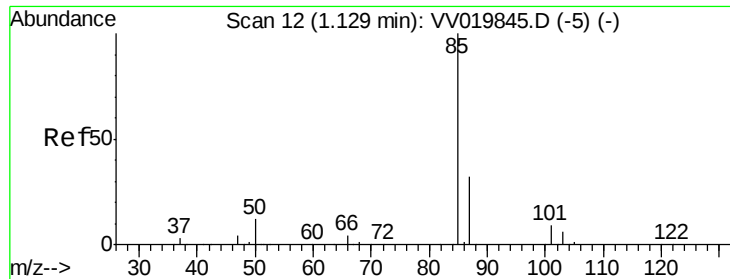
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV122820\
 Data File : VV019843.D
 Acq On : 28 Dec 2020 11:07
 Operator : SY/MD
 Sample : VSTD00561
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00561

Quant Time: Dec 28 12:20:41 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM122820WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Dec 28 12:18:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.40	91	86109	4.967	ug/L	95
44) trans-1,3-Dichloropropene	7.66	75	32505	4.538	ug/L	99
45) 1,1,2-Trichloroethane	7.85	97	21198	5.170	ug/L	99
46) Tetrachloroethene	7.98	164	15722	5.290	ug/L	98
48) 2-Hexanone	8.15	43	48957	9.994	ug/L	95
49) Dibromochloromethane	8.25	129	20921	4.734	ug/L	97
50) 1,2-Dibromoethane	8.36	107	22215	5.164	ug/L	98
51) Chlorobenzene	8.89	112	56055	5.079	ug/L	96
52) Ethylbenzene	9.02	91	97864	4.985	ug/L	100
53) m,p-Xylene	9.14	106	34151	4.679	ug/L	97
54) o-xylene	9.55	106	33439	4.677	ug/L	96
55) Styrene	9.57	104	55329	4.426	ug/L	100
56) Isopropylbenzene	9.94	105	91368	4.800	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.25	83	32219	4.860	ug/L	99
59) 1,2,3-Trichloropropane	10.28	75	30507	5.597	ug/L	99
61) Bromoform	9.74	173	13128	4.431	ug/L	97
62) 1,3-Dichlorobenzene	11.19	146	40951	4.943	ug/L	98
63) 1,4-Dichlorobenzene	11.28	146	43596	5.191	ug/L	99
65) 1,2-Dichlorobenzene	11.65	146	42393	5.159	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.44	75	7076	4.112	ug/L	90
67) 1,3,5-Trichlorobenzene	12.66	180	28822	4.901	ug/L	99
68) 1,2,4-trichlorobenzene	13.27	180	23551	4.317	ug/L	99
69) Naphthalene	13.51	128	61545	3.270	ug/L	99
70) 1,2,3-Trichlorobenzene	13.76	180	22697	4.256	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 5.029 ug/L

RT: 1.13 min Scan# 12

Delta R.T. 0.00 min

Lab File: VV019843.D

Acq: 28 Dec 2020 11:07

Instrument :

MSVOA_V

ClientSampleId :

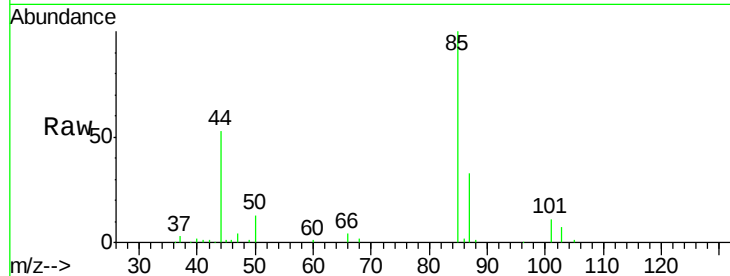
VSTD00561

Tgt Ion: 85 Resp: 23474

Ion Ratio Lower Upper

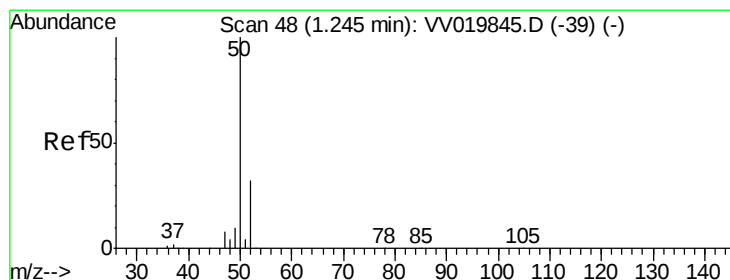
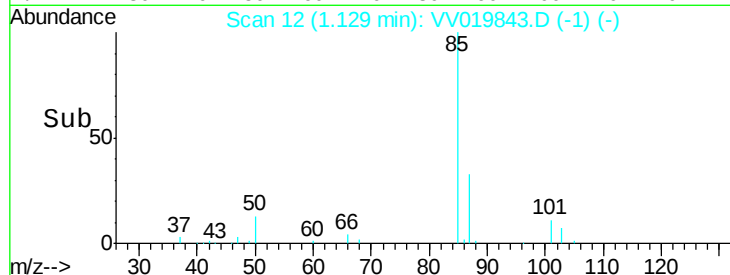
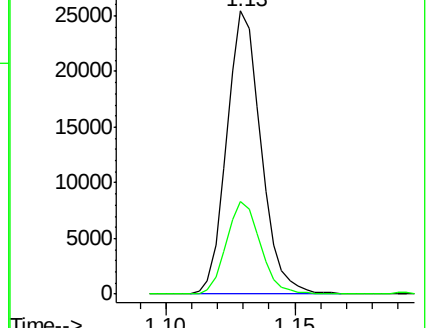
85 100

87 32.5 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VV019843.D (-5) (-)

Ion 87.00 (86.70 to 87.70): VV019843.D (-5) (-)



#3

Chloromethane

Concen: 5.626 ug/L

RT: 1.24 min Scan# 47

Delta R.T. -0.00 min

Lab File: VV019843.D

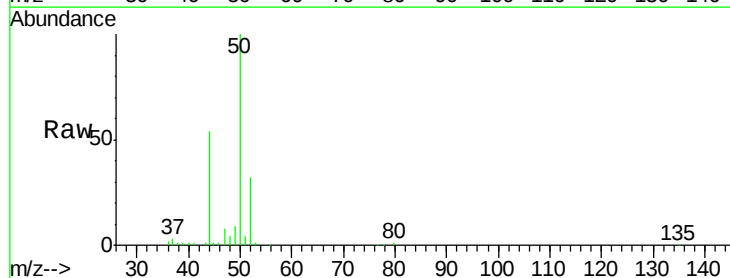
Acq: 28 Dec 2020 11:07

Tgt Ion: 50 Resp: 29014

Ion Ratio Lower Upper

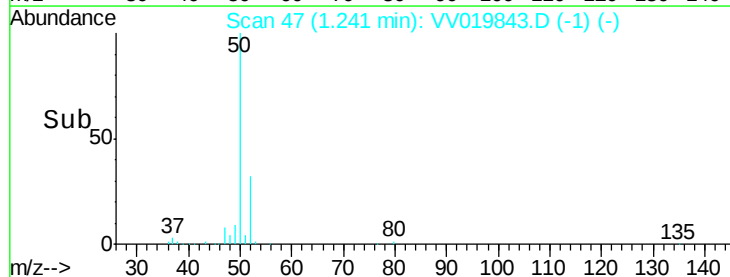
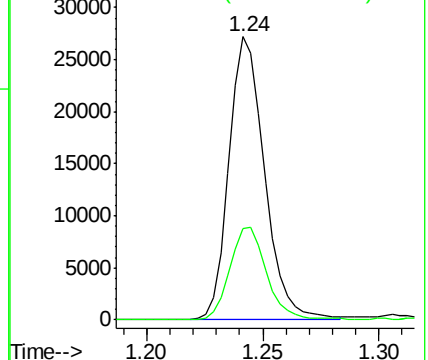
50 100

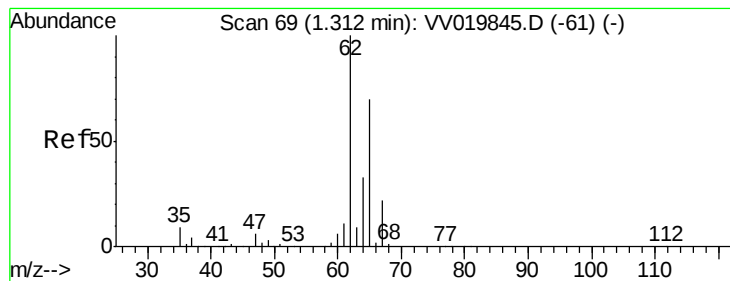
52 32.3 22.7 42.1



Abundance Ion 50.00 (49.70 to 50.70): VV019843.D (-39) (-)

Ion 52.00 (51.70 to 52.70): VV019843.D (-39) (-)





#5

Vinyl chloride

Concen: 5.363 ug/L

RT: 1.31 min Scan# 69

Delta R.T. 0.00 min

Lab File: VV019843.D

Acq: 28 Dec 2020 11:07

Instrument :

MSVOA_V

ClientSampleId :

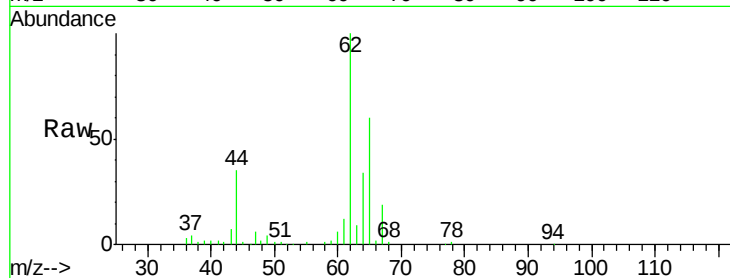
VSTD00561

Tgt Ion: 62 Resp: 27504

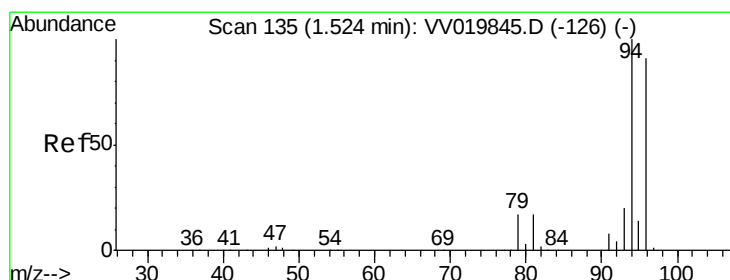
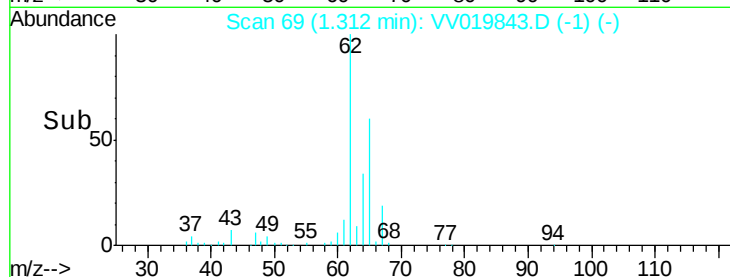
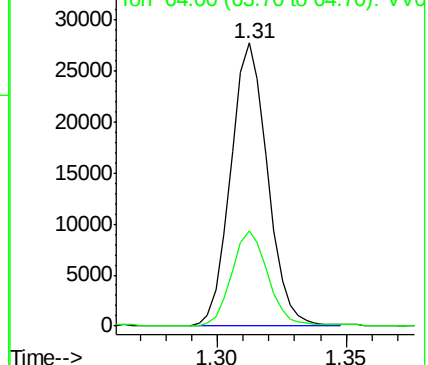
Ion Ratio Lower Upper

62 100

64 33.6 23.0 42.6



Abundance Ion 62.00 (61.70 to 62.70): VV019843.D (-61) (-)



#6

Bromomethane

Concen: 5.573 ug/L

RT: 1.52 min Scan# 135

Delta R.T. 0.00 min

Lab File: VV019843.D

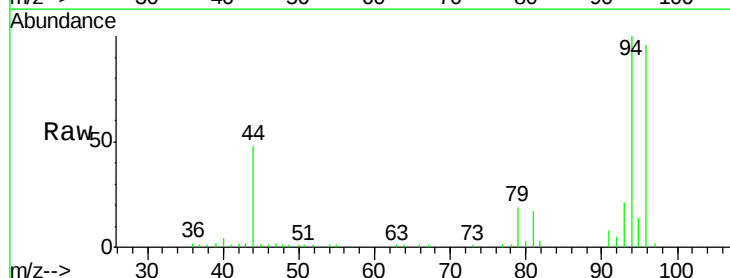
Acq: 28 Dec 2020 11:07

Tgt Ion: 94 Resp: 17090

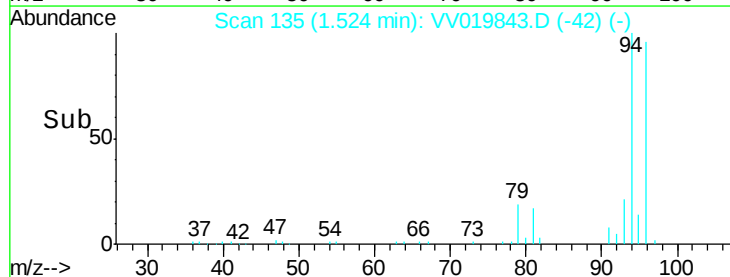
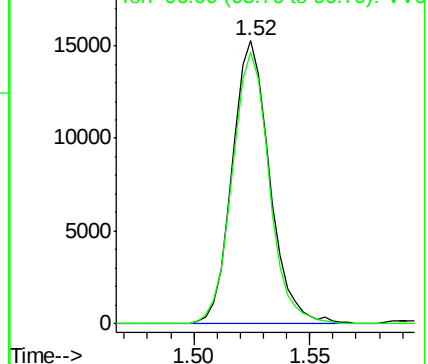
Ion Ratio Lower Upper

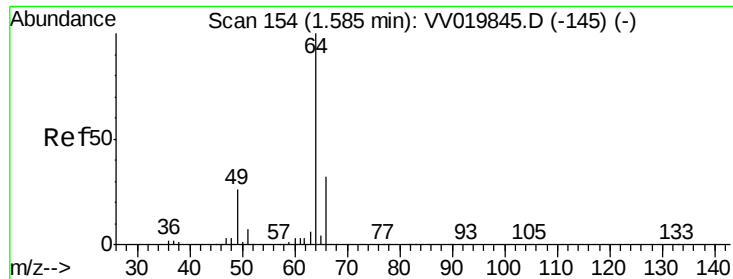
94 100

96 96.0 63.6 118.2



Abundance Ion 94.00 (93.70 to 94.70): VV019843.D (-126) (-)





#8

Chloroethane

Concen: 5.588 ug/L

RT: 1.59 min Scan# 154

Delta R.T. 0.00 min

Lab File: VV019843.D

Acq: 28 Dec 2020 11:07

Instrument :

MSVOA_V

ClientSampleId :

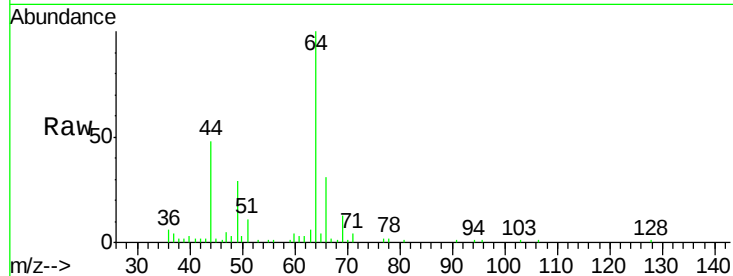
VSTD00561

Tgt Ion: 64 Resp: 17394

Ion Ratio Lower Upper

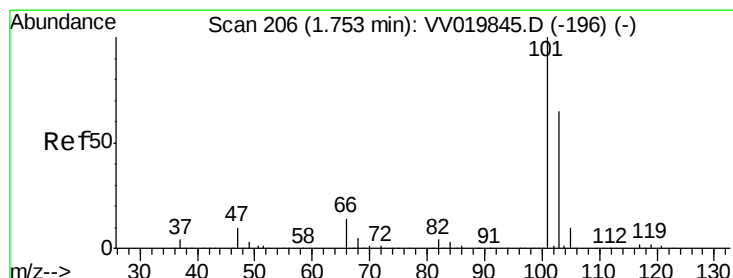
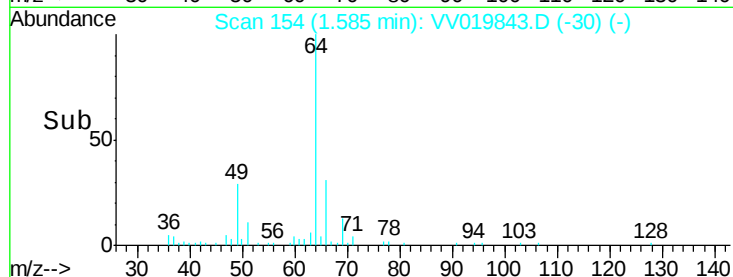
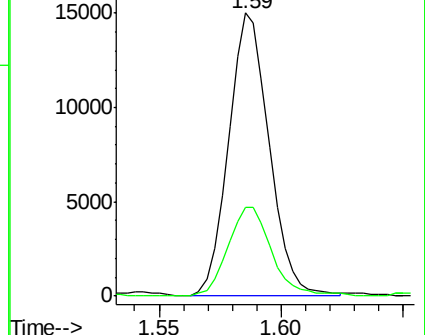
64 100

66 31.3 22.4 41.6



Abundance Ion 64.00 (63.70 to 64.70): VV019845.D (-145) (-)

Ion 66.00 (65.70 to 66.70): VV019845.D (-145) (-)



#9

Trichlorofluoromethane

Concen: 5.425 ug/L

RT: 1.76 min Scan# 207

Delta R.T. 0.00 min

Lab File: VV019843.D

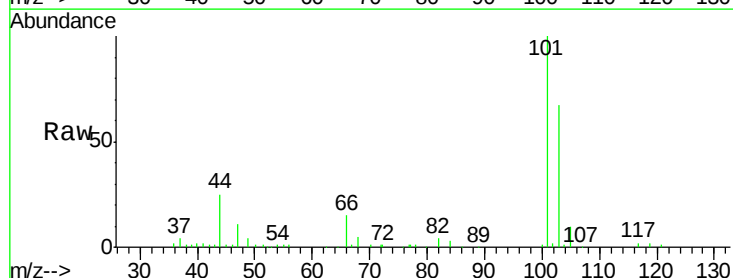
Acq: 28 Dec 2020 11:07

Tgt Ion: 101 Resp: 33689

Ion Ratio Lower Upper

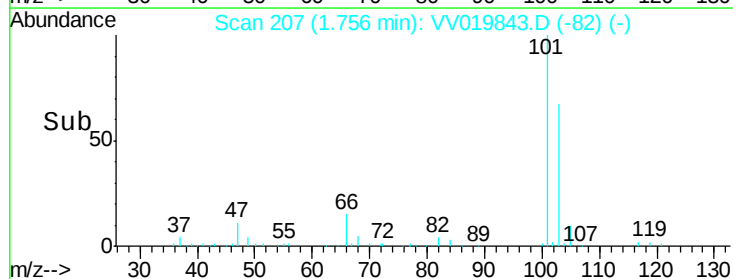
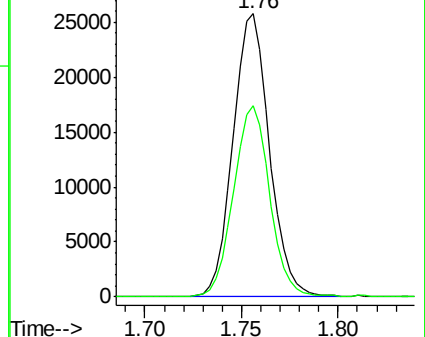
101 100

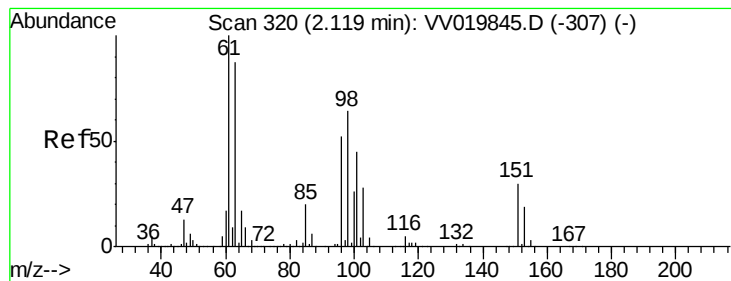
103 66.9 51.7 77.5



Abundance Ion 101.00 (100.70 to 101.70): VV019845.D (-196) (-)

Ion 103.00 (102.70 to 103.70): VV019845.D (-196) (-)





#10

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

Concen: 5.541 ug/L

RT: 2.12 min Scan# 320

Delta R.T. 0.00 min

Lab File: VV019843.D

Acq: 28 Dec 2020 11:07

Instrument :

MSVOA_V

ClientSampled :

VSTD00561

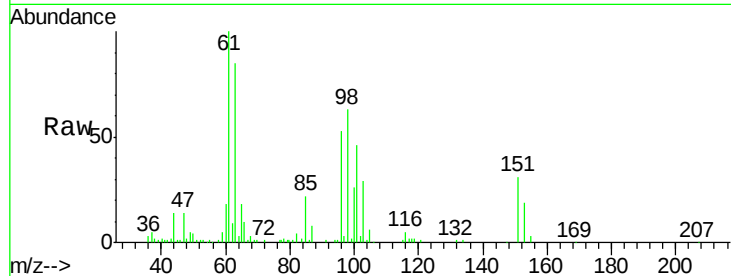
Tgt Ion: 101 Resp: 19037

Ion Ratio Lower Upper

101 100

85 46.3 35.3 52.9

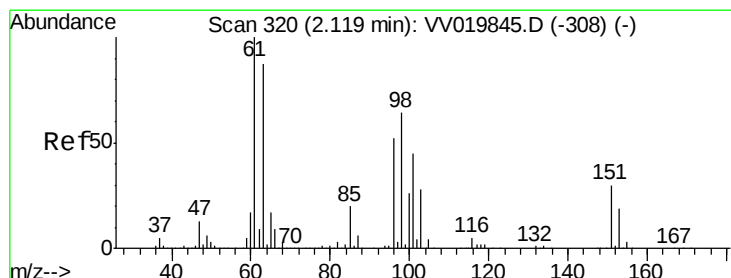
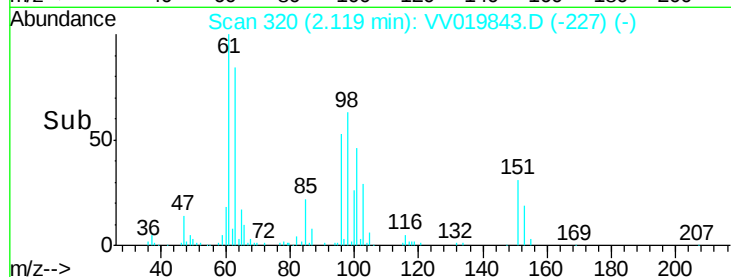
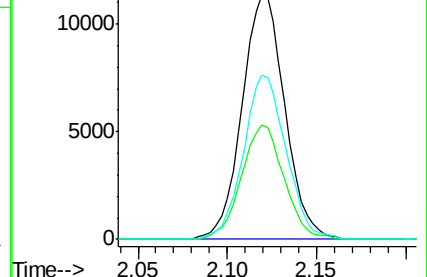
151 67.3 53.6 80.4



Abundance Ion 101.00 (100.70 to 101.70): VV019843.D (-227) (-)

Ion 85.00 (84.70 to 85.70): VV019843.D (-227) (-)

Ion 151.00 (150.70 to 151.70): VV019843.D (-227) (-)



#12

1,1-Dichloroethene

Concen: 5.399 ug/L

RT: 2.12 min Scan# 321

Delta R.T. 0.00 min

Lab File: VV019843.D

Acq: 28 Dec 2020 11:07

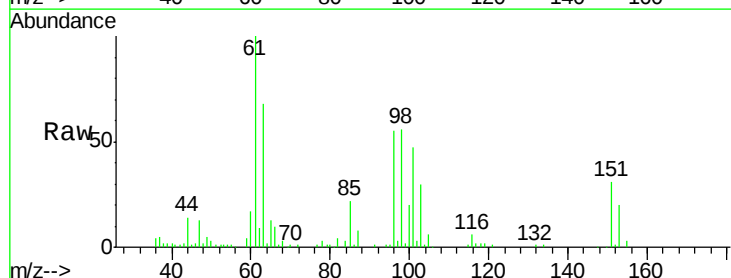
Tgt Ion: 96 Resp: 19130

Ion Ratio Lower Upper

96 100

61 181.1 134.9 250.5

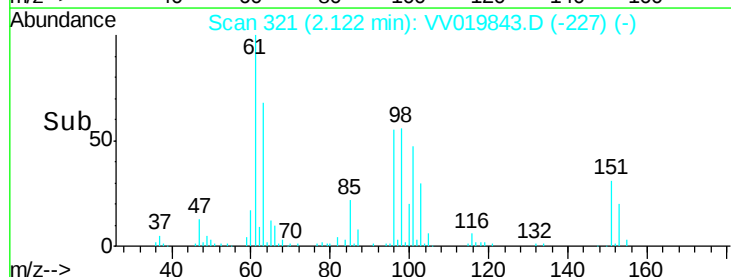
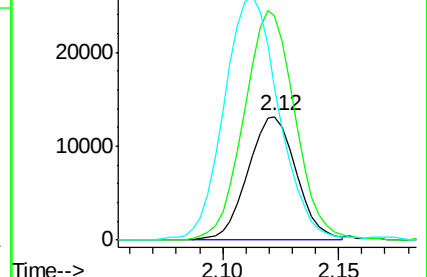
63 124.0 117.6 218.4

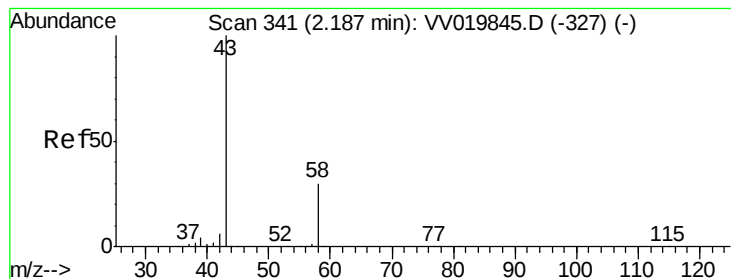


Abundance Ion 96.00 (95.70 to 96.70): VV019843.D (-227) (-)

Ion 61.00 (60.70 to 61.70): VV019843.D (-227) (-)

Ion 63.00 (62.70 to 63.70): VV019843.D (-227) (-)





#13

Acetone

Concen: 13.778 ug/L

RT: 2.19 min Scan# 342

Delta R.T. 0.00 min

Lab File: VV019843.D

Acq: 28 Dec 2020 11:07

Instrument :

MSVOA_V

ClientSampleId :

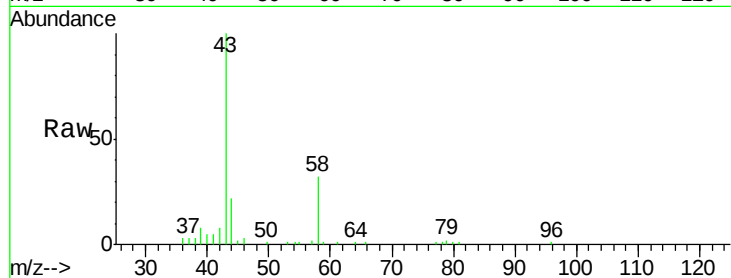
VSTD00561

Tgt Ion: 43 Resp: 29168

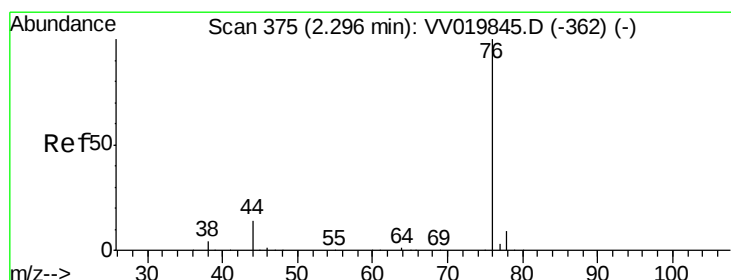
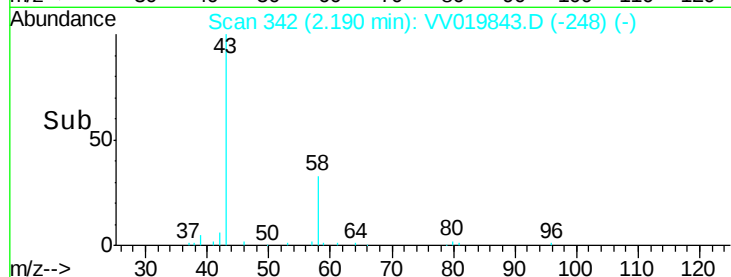
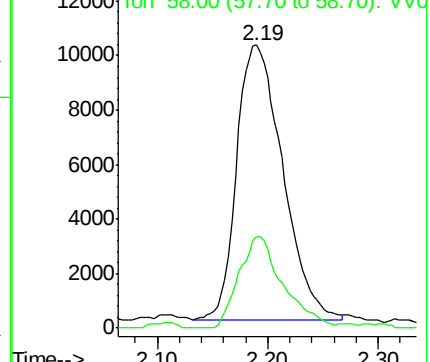
Ion Ratio Lower Upper

43 100

58 32.0 0.0 60.2



Abundance Ion 43.00 (42.70 to 43.70): VV019843.D (-248) (-)



#14

Carbon disulfide

Concen: 5.313 ug/L

RT: 2.30 min Scan# 375

Delta R.T. 0.00 min

Lab File: VV019843.D

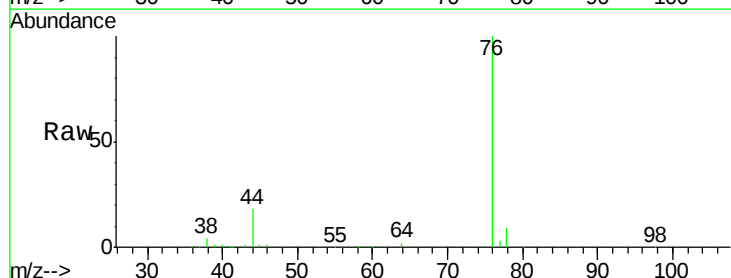
Acq: 28 Dec 2020 11:07

Tgt Ion: 76 Resp: 61418

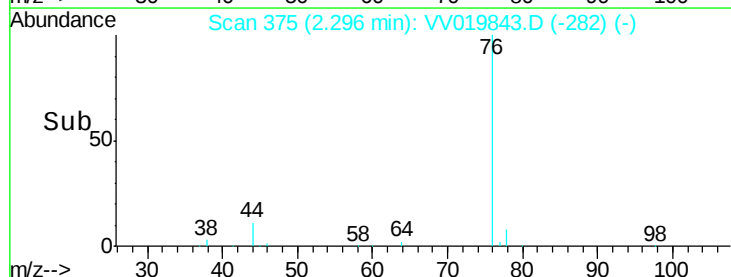
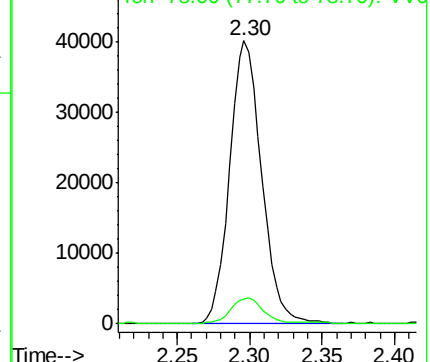
Ion Ratio Lower Upper

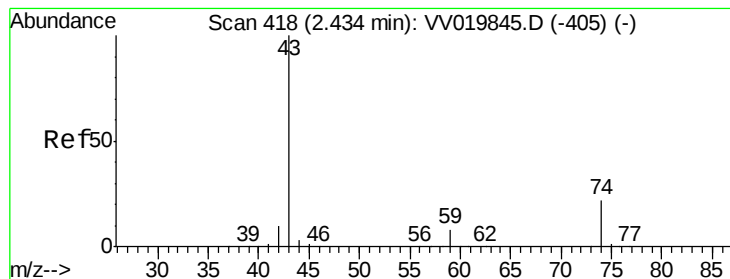
76 100

78 9.0 7.2 10.8



Abundance Ion 76.00 (75.70 to 76.70): VV019843.D (-282) (-)





#15

Methyl Acetate

Concen: 5.857 ug/L

RT: 2.44 min Scan# 421

Delta R.T. 0.01 min

Lab File: VV019843.D

Acq: 28 Dec 2020 11:07

Instrument :

MSVOA_V

ClientSampled :

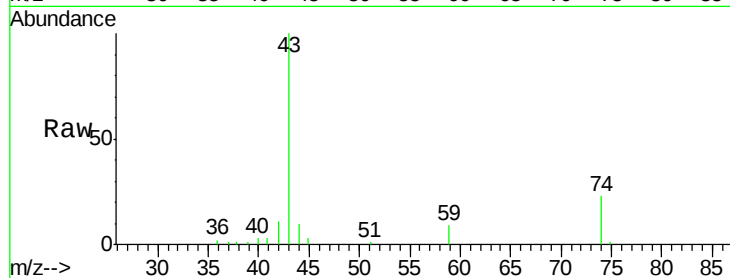
VSTD00561

Tgt Ion: 43 Resp: 26330

Ion Ratio Lower Upper

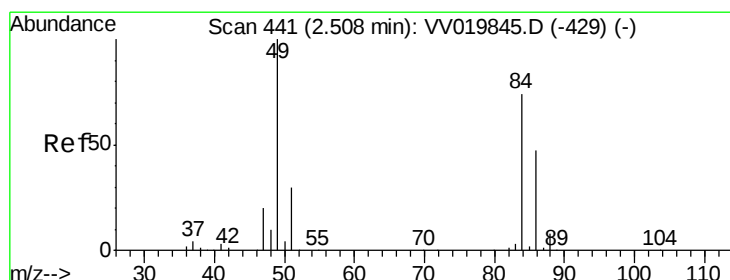
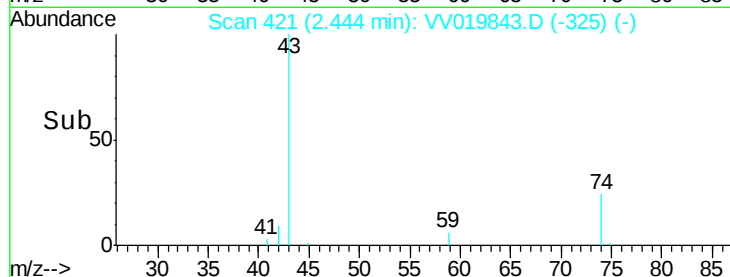
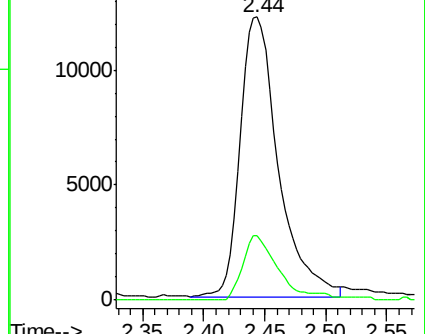
43 100

74 20.6 17.6 26.4



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 74.00 (73.70 to 74.70): VV0



#16

Methylene chloride

Concen: 5.779 ug/L

RT: 2.51 min Scan# 441

Delta R.T. 0.00 min

Lab File: VV019843.D

Acq: 28 Dec 2020 11:07

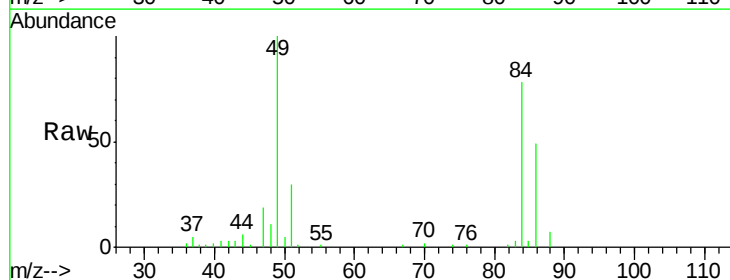
Tgt Ion: 84 Resp: 24489

Ion Ratio Lower Upper

84 100

86 62.4 44.6 82.8

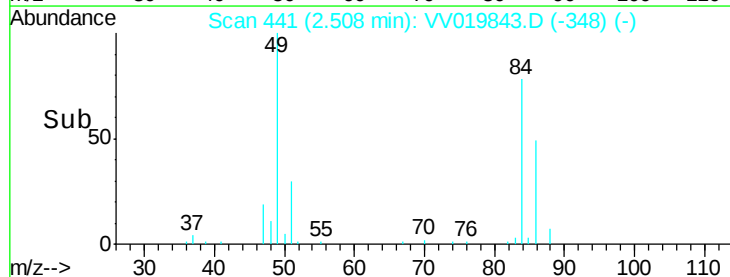
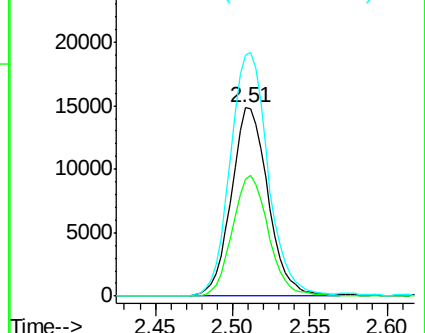
49 128.2 94.6 175.8

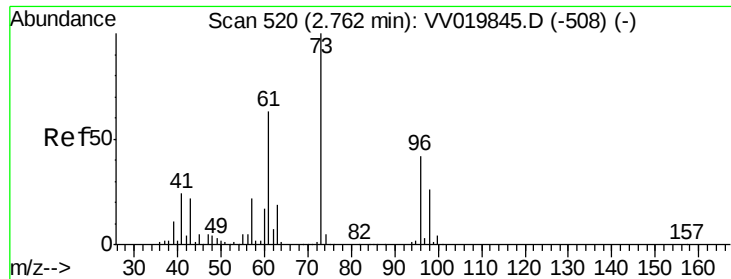


Abundance Ion 84.00 (83.70 to 84.70): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.00 (48.70 to 49.70): VV0

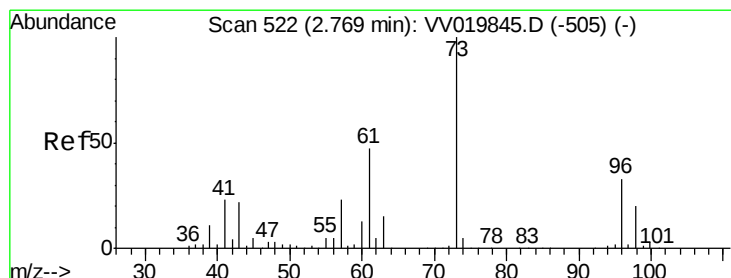
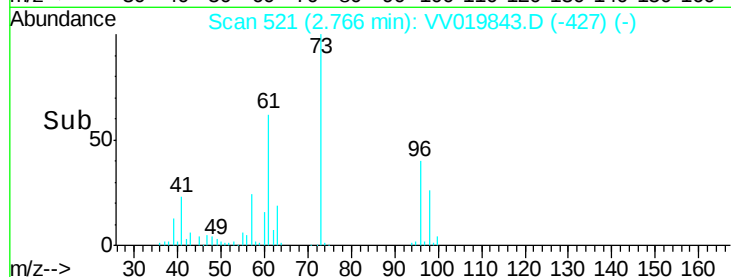
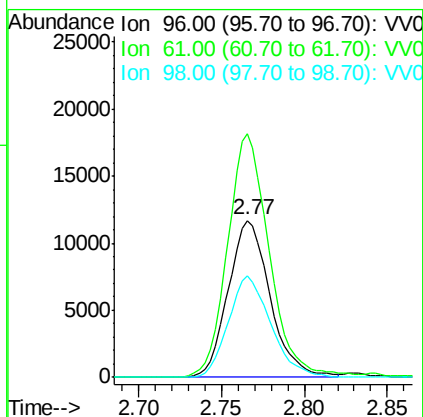
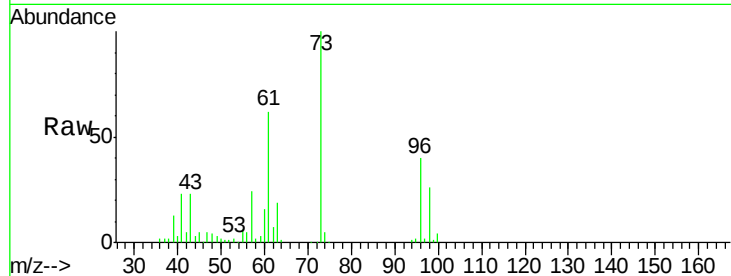




#17
trans-1,2-Dichloroethene
Concen: 5.281 ug/L
RT: 2.77 min Scan# 521
Delta R.T. 0.00 min
Lab File: VV019843.D
Acq: 28 Dec 2020 11:07

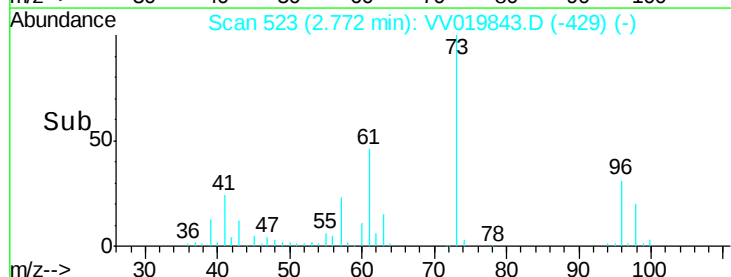
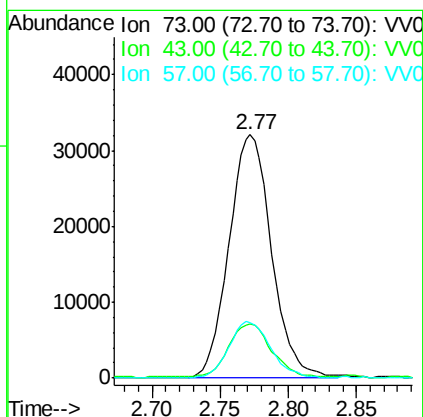
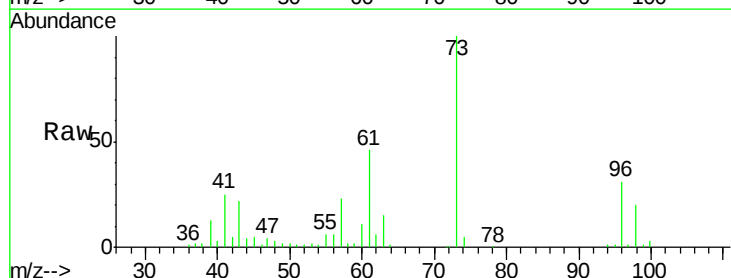
Instrument :
MSVOA_V
ClientSampleId :
VSTD00561

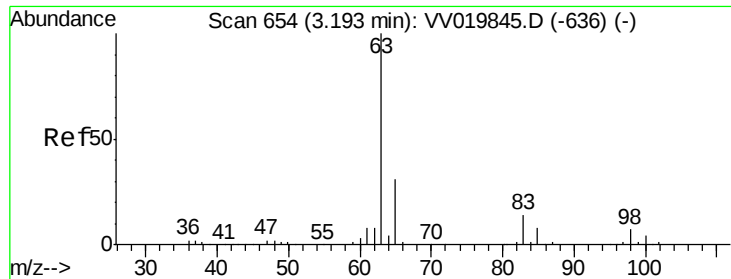
Tgt Ion: 96 Resp: 20613
Ion Ratio Lower Upper
96 100
61 155.2 103.1 191.5
98 64.3 43.1 80.1



#18
Methyl tert-butyl Ether
Concen: 5.115 ug/L
RT: 2.77 min Scan# 523
Delta R.T. 0.00 min
Lab File: VV019843.D
Acq: 28 Dec 2020 11:07

Tgt Ion: 73 Resp: 69525
Ion Ratio Lower Upper
73 100
43 21.9 17.3 25.9
57 22.9 17.9 26.9

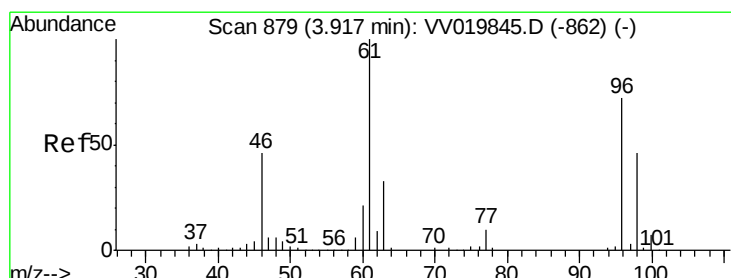
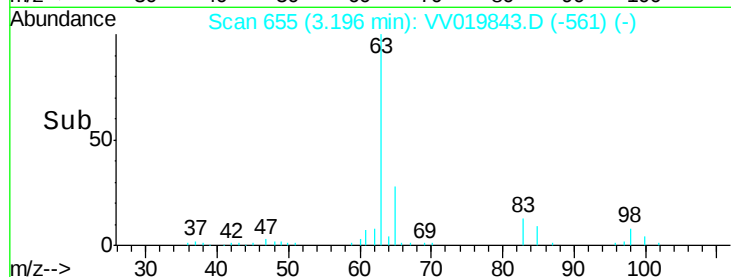
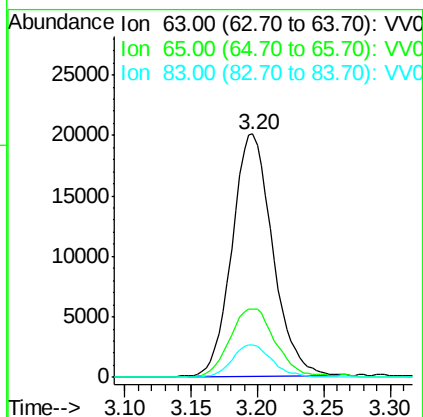
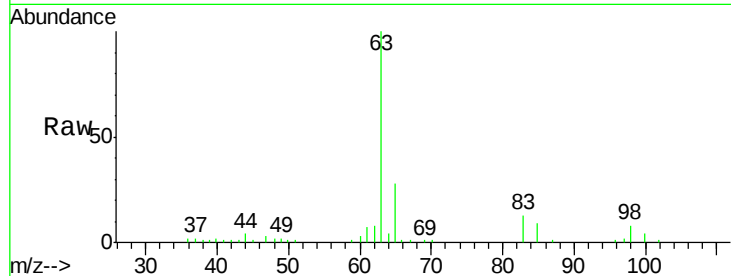




#19
 1,1-Dichloroethane
 Concen: 5.603 ug/L
 RT: 3.20 min Scan# 655
 Delta R.T. 0.00 min
 Lab File: VV019843.D
 Acq: 28 Dec 2020 11:07

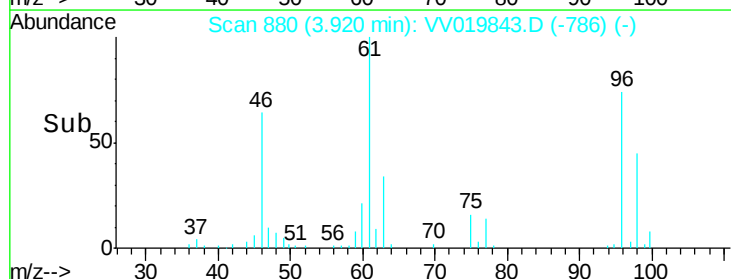
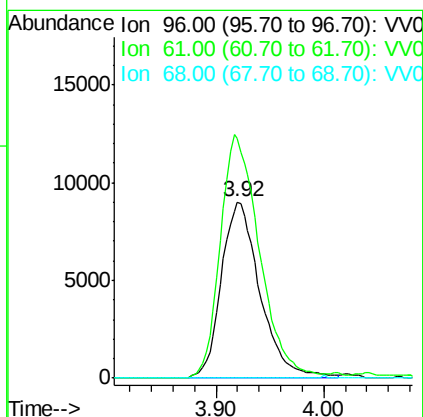
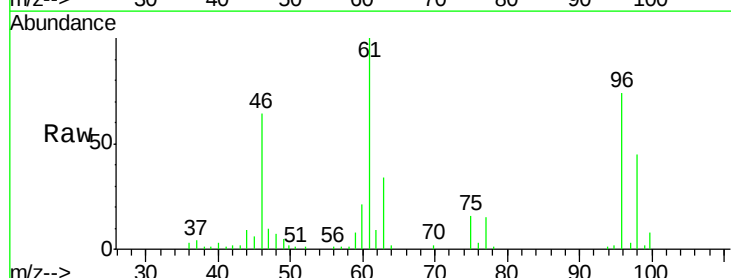
Instrument :
 MSVOA_V
 ClientSampled :
 VSTD00561

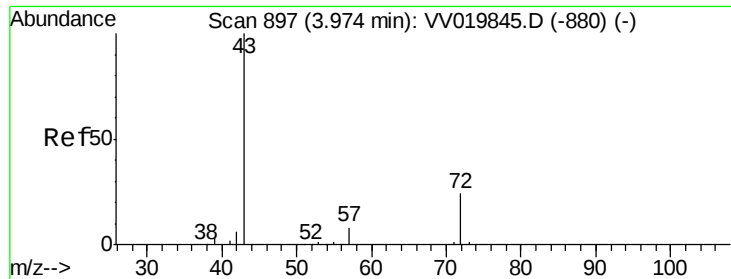
Tgt Ion: 63 Resp: 42843
 Ion Ratio Lower Upper
 63 100
 65 28.3 21.9 40.7
 83 13.5 9.5 17.7



#20
 cis-1,2-Dichloroethene
 Concen: 5.252 ug/L
 RT: 3.92 min Scan# 880
 Delta R.T. 0.00 min
 Lab File: VV019843.D
 Acq: 28 Dec 2020 11:07

Tgt Ion: 96 Resp: 22503
 Ion Ratio Lower Upper
 96 100
 61 135.9 96.9 179.9
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 8.883 ug/L

RT: 4.00 min Scan# 904

Delta R.T. 0.02 min

Lab File: VV019843.D

Acq: 28 Dec 2020 11:07

Instrument :

MSVOA_V

ClientSampled :

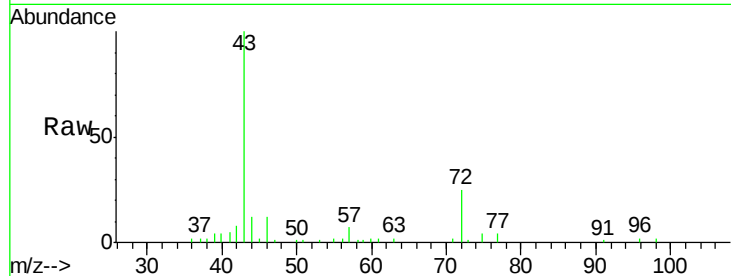
VSTD00561

Tgt Ion: 43 Resp: 27097

Ion Ratio Lower Upper

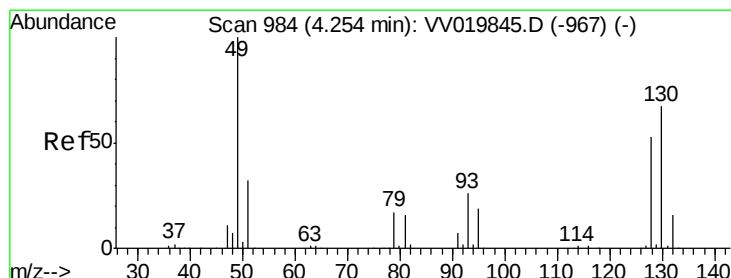
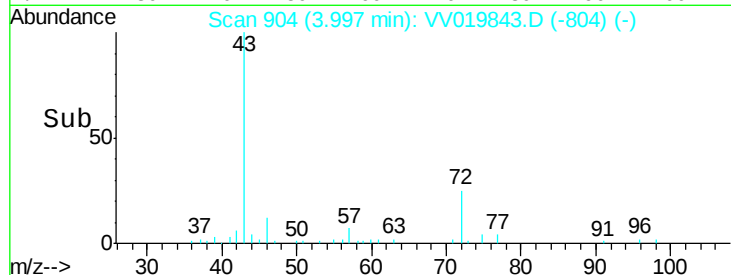
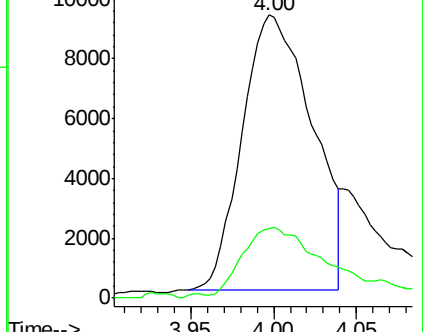
43 100

72 14.3 12.2 36.6



Abundance Ion 43.00 (42.70 to 43.70): VV019843.D (-804) (-)

Ion 72.00 (71.70 to 72.70): VV019843.D (-804) (-)



#23

Bromochloromethane

Concen: 5.353 ug/L

RT: 4.25 min Scan# 984

Delta R.T. 0.00 min

Lab File: VV019843.D

Acq: 28 Dec 2020 11:07

Tgt Ion: 128 Resp: 11308

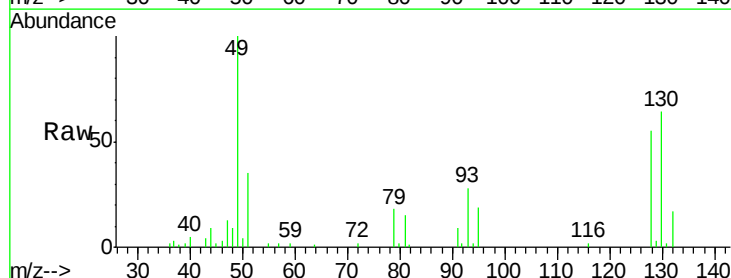
Ion Ratio Lower Upper

128 100

49 181.6 133.1 247.1

130 115.6 89.0 165.4

51 63.0 49.3 73.9

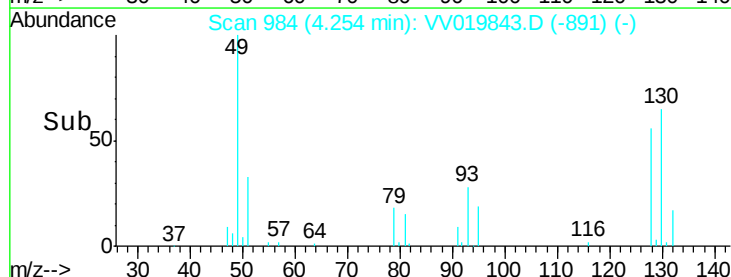
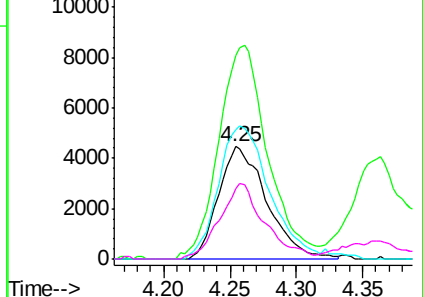


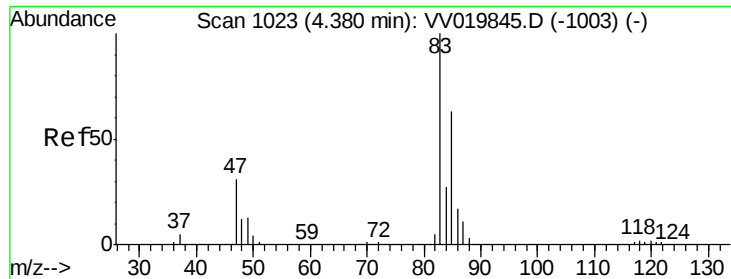
Abundance Ion 128.00 (127.70 to 128.70): VV019843.D (-891) (-)

Ion 49.00 (48.70 to 49.70): VV019843.D (-891) (-)

Ion 130.00 (129.70 to 130.70): VV019843.D (-891) (-)

Ion 51.00 (50.70 to 51.70): VV019843.D (-891) (-)

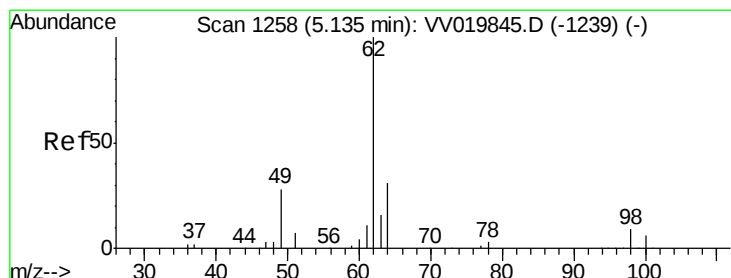
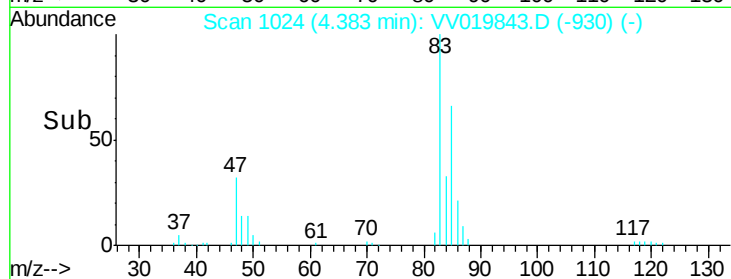
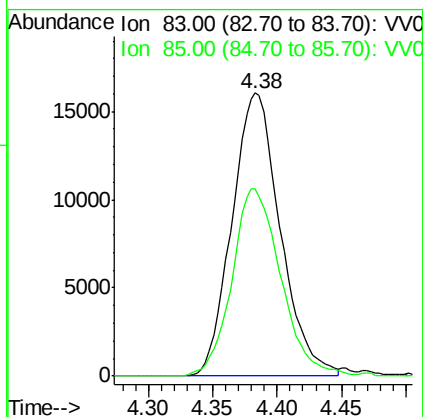
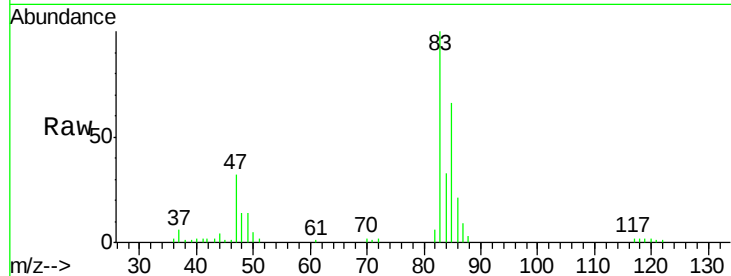




#25
Chloroform
Concen: 5.483 ug/L
RT: 4.38 min Scan# 1024
Delta R.T. 0.00 min
Lab File: VV019843.D
Acq: 28 Dec 2020 11:07

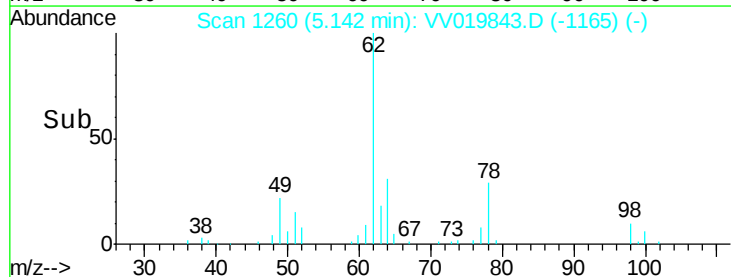
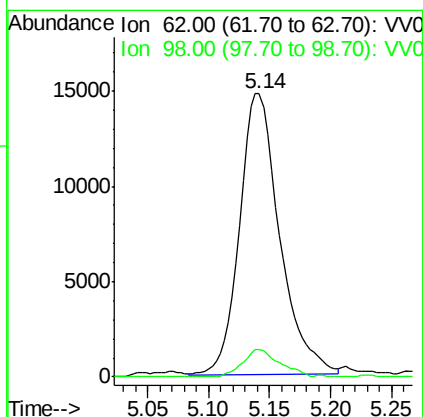
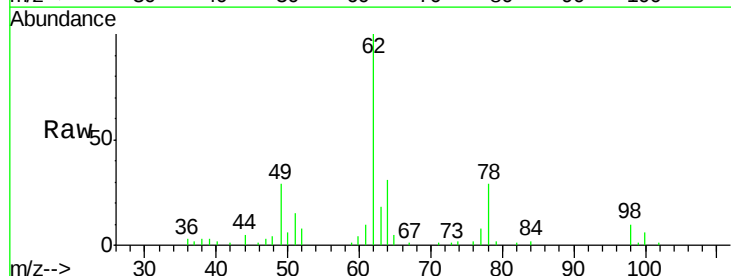
Instrument :
MSVOA_V
ClientSampleId :
VSTD00561

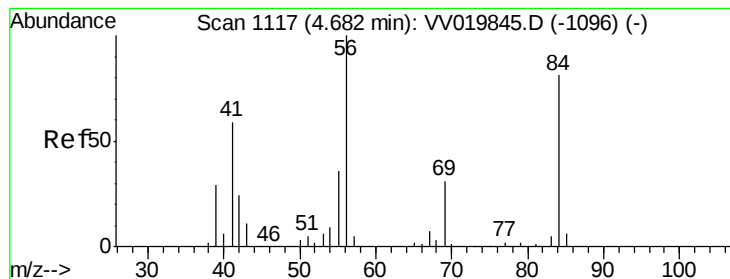
Tgt Ion: 83 Resp: 41830
Ion Ratio Lower Upper
83 100
85 66.3 44.2 82.2



#27
1,2-Dichloroethane
Concen: 5.329 ug/L
RT: 5.14 min Scan# 1260
Delta R.T. 0.01 min
Lab File: VV019843.D
Acq: 28 Dec 2020 11:07

Tgt Ion: 62 Resp: 33728
Ion Ratio Lower Upper
62 100
98 9.8 6.9 10.3





#29

Cyclohexane

Concen: 5.050 ug/L

RT: 4.68 min Scan# 1117

Delta R.T. 0.00 min

Lab File: VV019843.D

Acq: 28 Dec 2020 11:07

Instrument :

MSVOA_V

ClientSampleId :

VSTD00561

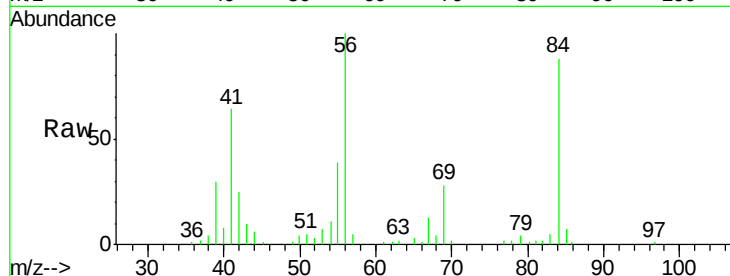
Tgt Ion: 56 Resp: 34393

Ion Ratio Lower Upper

56 100

69 15.9 24.2 36.2#

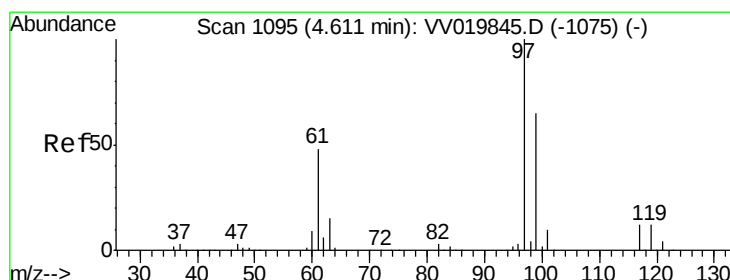
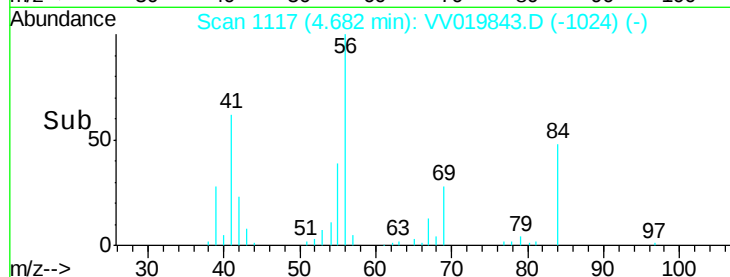
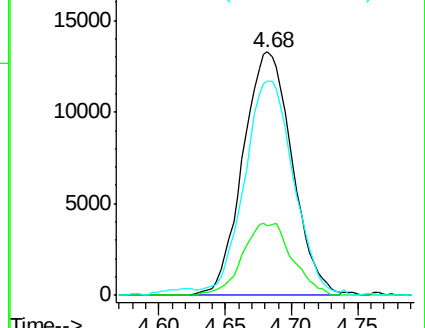
84 88.0 66.3 99.5



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: 5.179 ug/L

RT: 4.61 min Scan# 1096

Delta R.T. 0.00 min

Lab File: VV019843.D

Acq: 28 Dec 2020 11:07

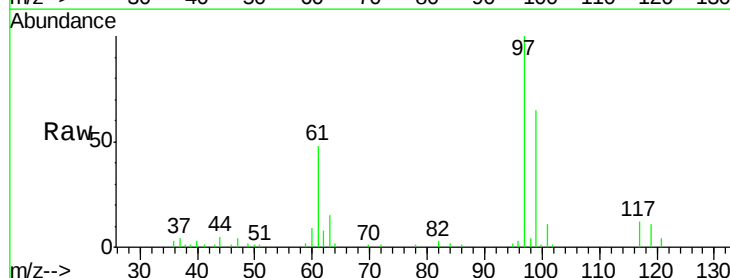
Tgt Ion: 97 Resp: 36207

Ion Ratio Lower Upper

97 100

99 65.7 51.2 76.8

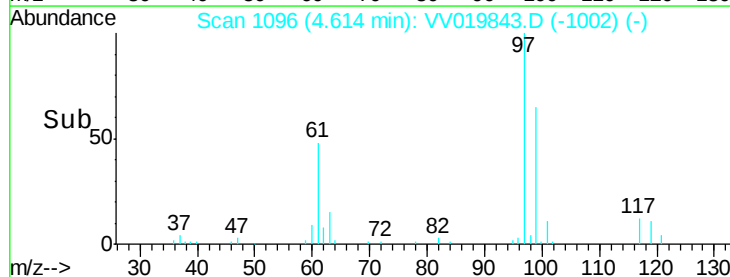
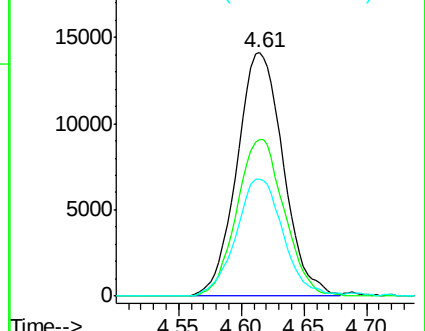
61 48.7 38.5 57.7

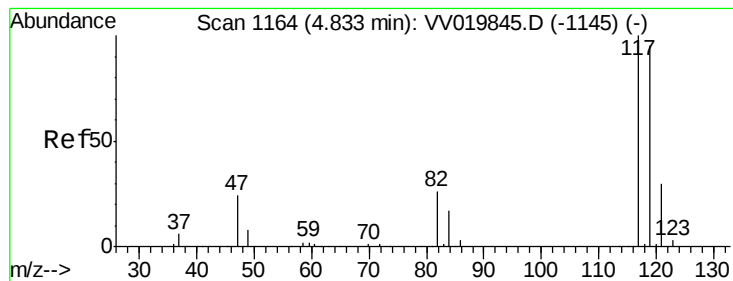


Abundance Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

Ion 61.05 (60.75 to 61.75): VV0





#31

Carbon tetrachloride

Concen: 4.998 ug/L

RT: 4.84 min Scan# 1165

Delta R.T. 0.00 min

Lab File: VV019843.D

Acq: 28 Dec 2020 11:07

Instrument :

MSVOA_V

ClientSampleId :

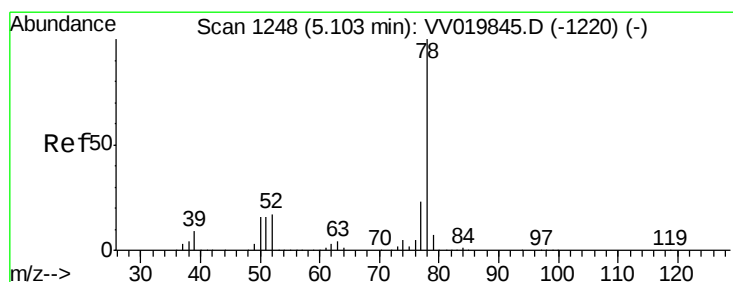
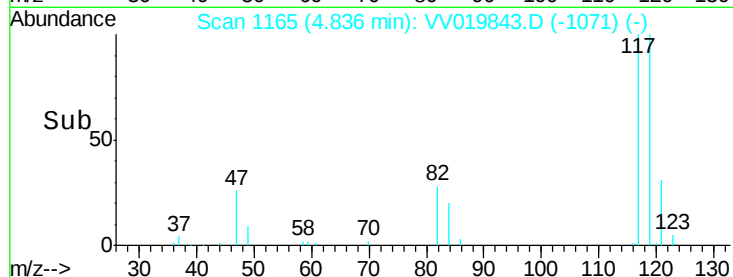
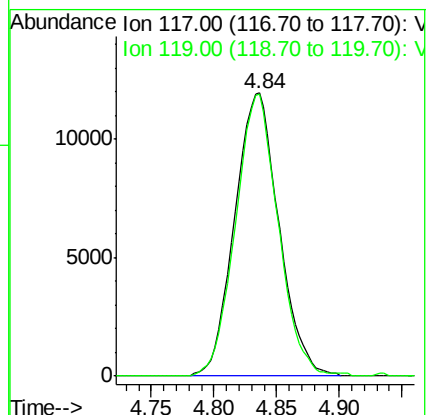
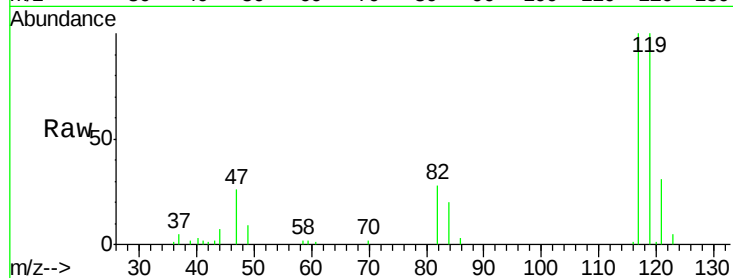
VSTD00561

Tgt Ion:117 Resp: 29294

Ion Ratio Lower Upper

117 100

119 95.9 76.3 114.5



#33

Benzene

Concen: 5.192 ug/L

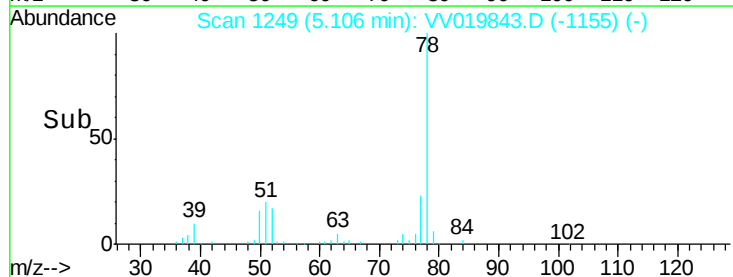
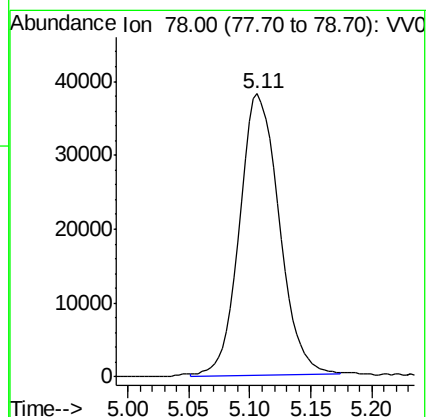
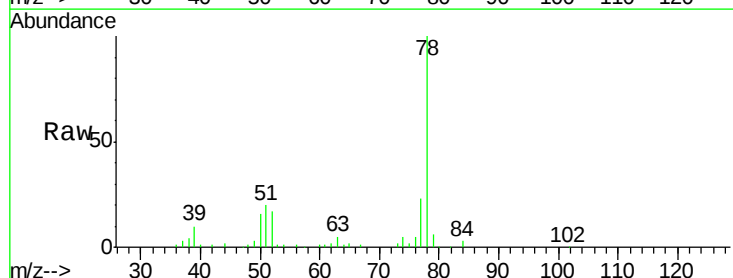
RT: 5.11 min Scan# 1249

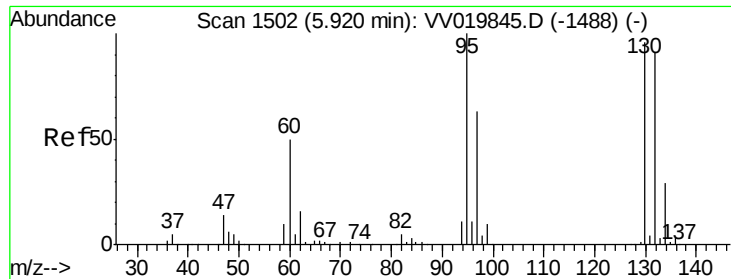
Delta R.T. 0.00 min

Lab File: VV019843.D

Acq: 28 Dec 2020 11:07

Tgt Ion: 78 Resp: 85954





#34

Trichloroethene

Concen: 5.562 ug/L

RT: 5.92 min Scan# 1502

Delta R.T. 0.00 min

Lab File: VV019843.D

Acq: 28 Dec 2020 11:07

Instrument :

MSVOA_V

ClientSampleId :

VSTD00561

Tgt Ion: 95 Resp: 24169

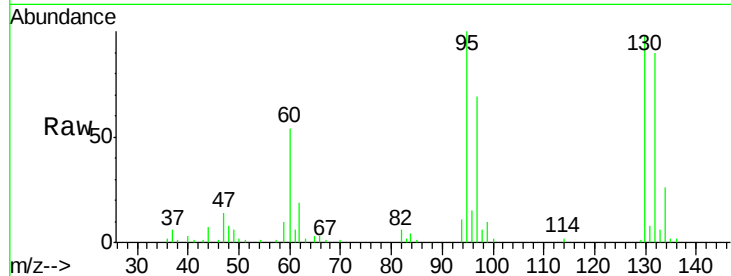
Ion Ratio Lower Upper

95 100

97 68.6 44.5 82.7

132 90.3 63.4 117.8

130 98.0 67.1 124.5

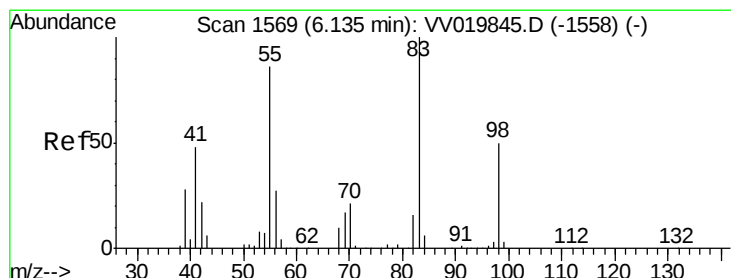
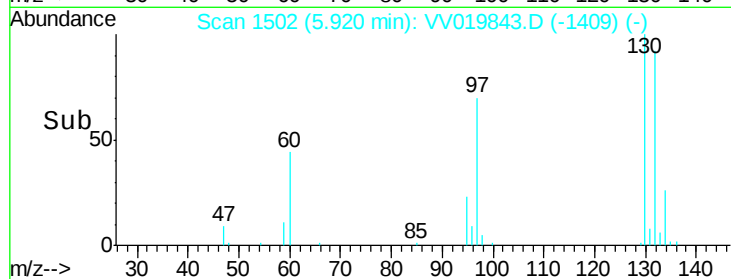
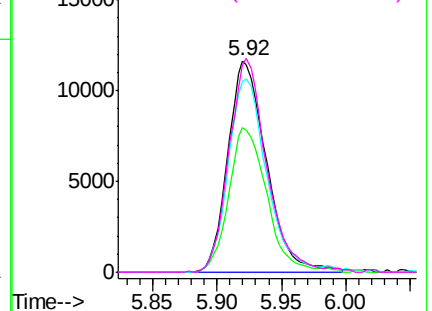


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#35

Methylcyclohexane

Concen: 5.220 ug/L

RT: 6.14 min Scan# 1569

Delta R.T. 0.00 min

Lab File: VV019843.D

Acq: 28 Dec 2020 11:07

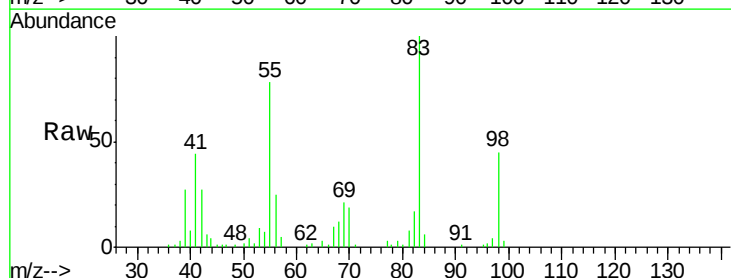
Tgt Ion: 83 Resp: 34170

Ion Ratio Lower Upper

83 100

55 81.6 65.1 97.7

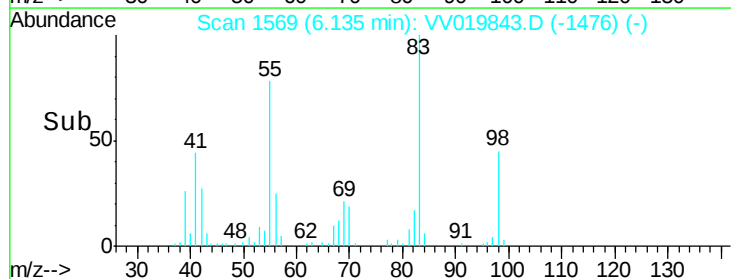
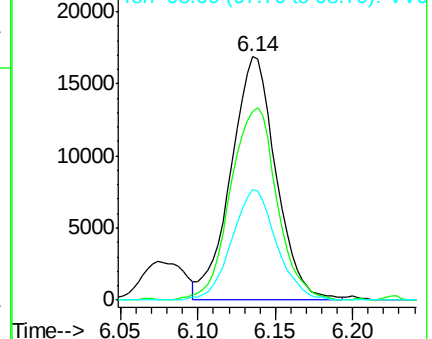
98 44.7 38.2 57.2

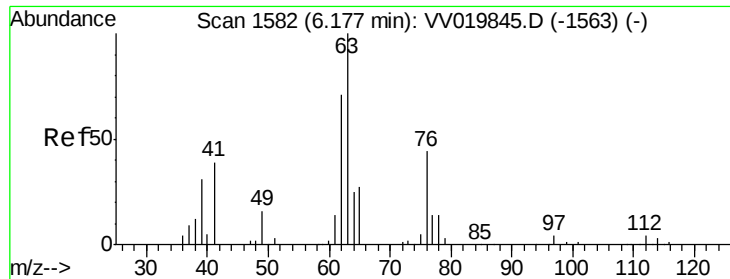


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

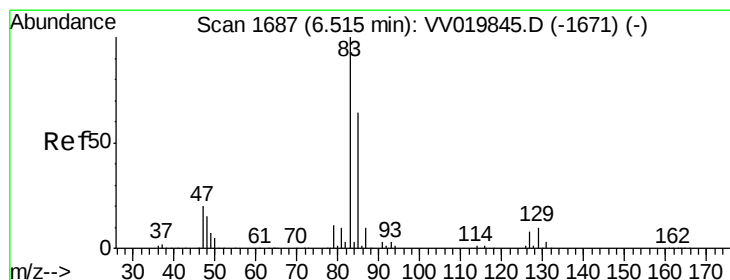
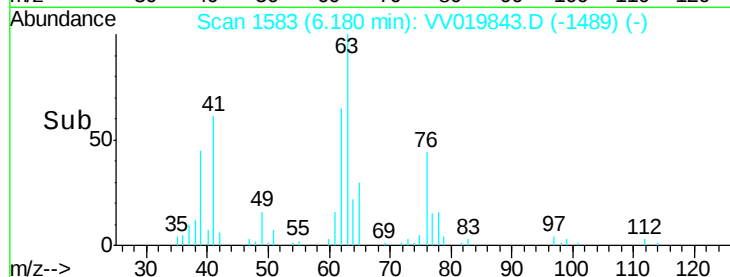
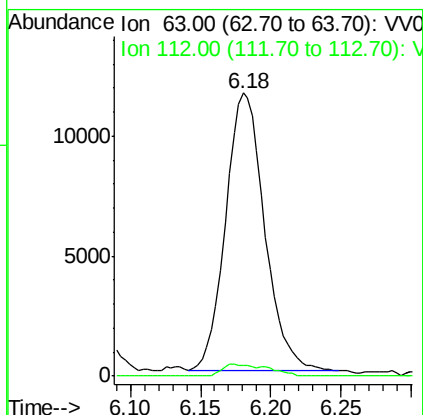
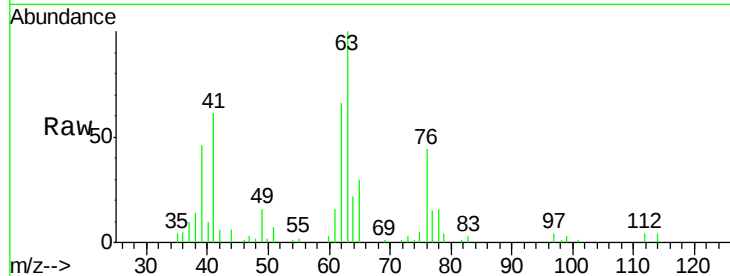




#37
 1,2-Dichloropropane
 Concen: 5.128 ug/L
 RT: 6.18 min Scan# 1583
 Delta R.T. 0.00 min
 Lab File: VV019843.D
 Acq: 28 Dec 2020 11:07

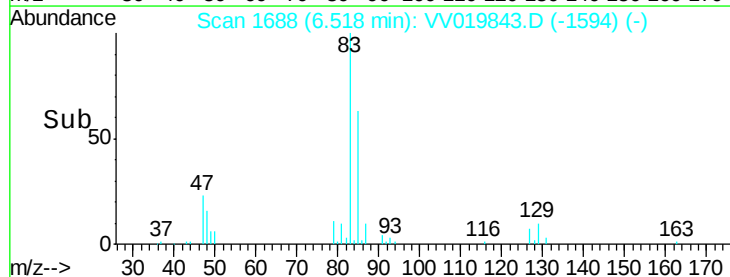
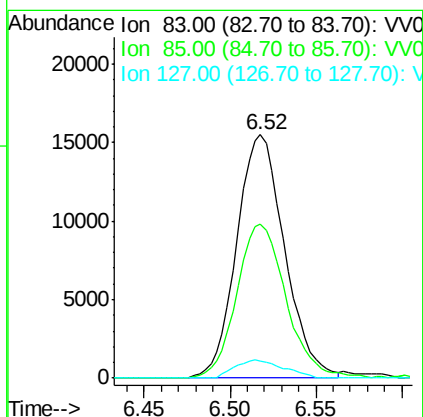
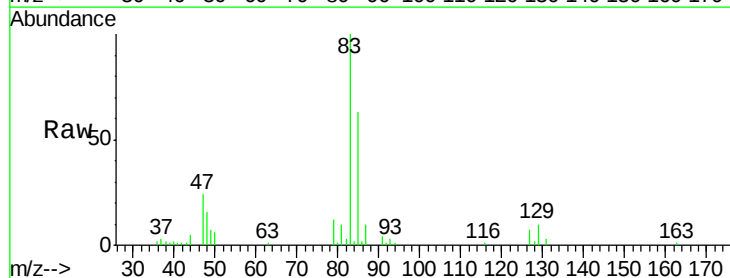
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00561

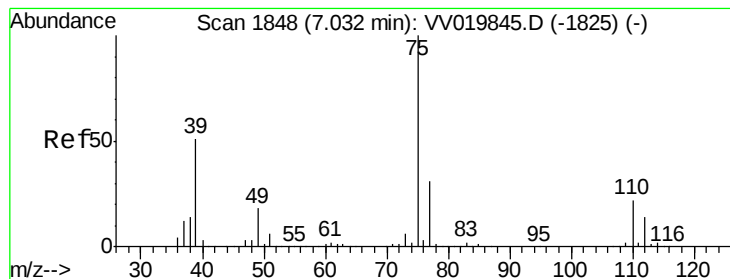
Tgt Ion: 63 Resp: 22285
 Ion Ratio Lower Upper
 63 100
 112 3.3 3.3 4.9



#38
 Bromodichloromethane
 Concen: 4.994 ug/L
 RT: 6.52 min Scan# 1688
 Delta R.T. 0.00 min
 Lab File: VV019843.D
 Acq: 28 Dec 2020 11:07

Tgt Ion: 83 Resp: 29958
 Ion Ratio Lower Upper
 83 100
 85 63.2 44.5 82.7
 127 7.0 6.3 9.5





#39

cis-1,3-Dichloropropene

Concen: 4.704 ug/L

RT: 7.04 min Scan# 1849

Delta R.T. 0.00 min

Lab File: VV019843.D

Acq: 28 Dec 2020 11:07

Instrument :

MSVOA_V

ClientSampleId :

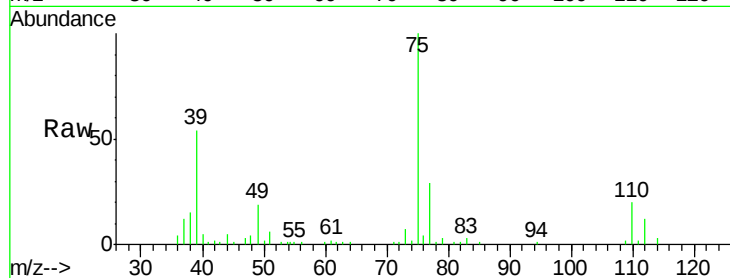
VSTD00561

Tgt Ion: 75 Resp: 33555

Ion Ratio Lower Upper

75 100

77 28.9 21.8 40.6



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

7.04

15000

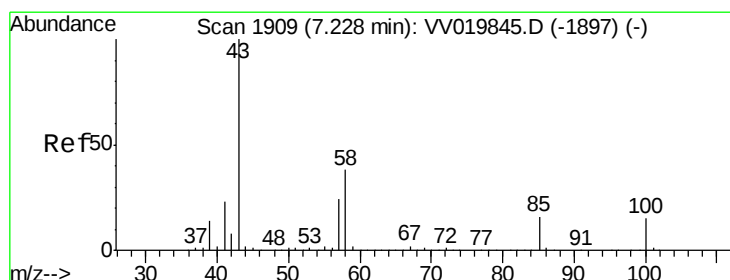
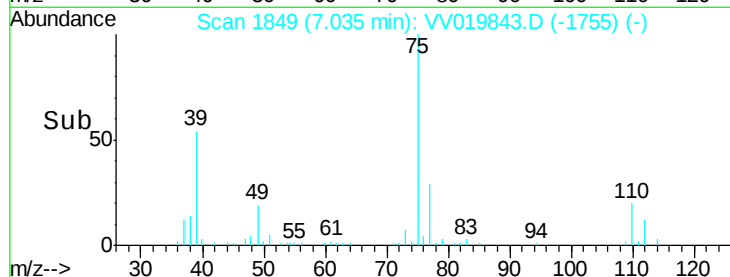
10000

5000

0

7.00 7.05 7.10

Time-->



#40

4-Methyl-2-pentanone

Concen: 10.443 ug/L

RT: 7.23 min Scan# 1911

Delta R.T. 0.01 min

Lab File: VV019843.D

Acq: 28 Dec 2020 11:07

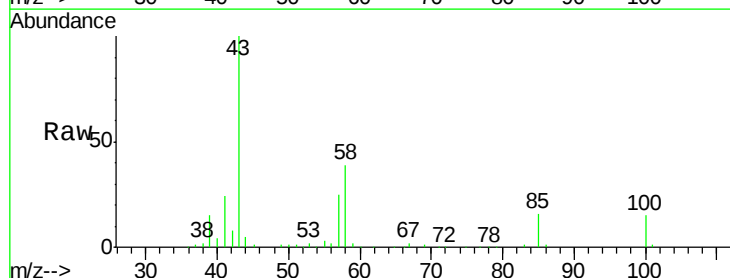
Tgt Ion: 43 Resp: 66768

Ion Ratio Lower Upper

43 100

58 38.4 30.7 46.1

100 14.0 11.6 17.4



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0

Ion 100.00 (99.70 to 100.70): VV0

7.23

40000

30000

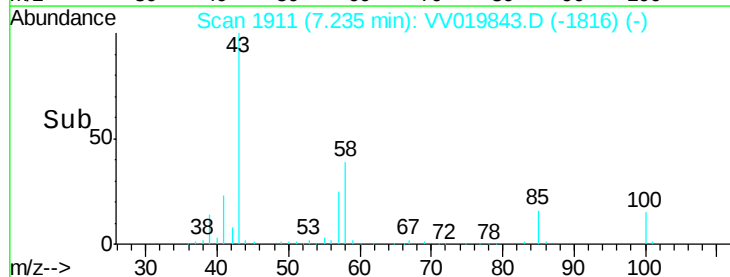
20000

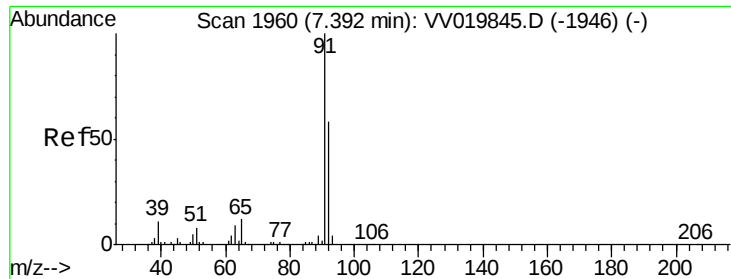
10000

0

7.15 7.20 7.25 7.30

Time-->





#42

Toluene

Concen: 4.967 ug/L

RT: 7.40 min Scan# 1961

Delta R.T. 0.00 min

Lab File: VV019843.D

Acq: 28 Dec 2020 11:07

Instrument :

MSVOA_V

ClientSampleId :

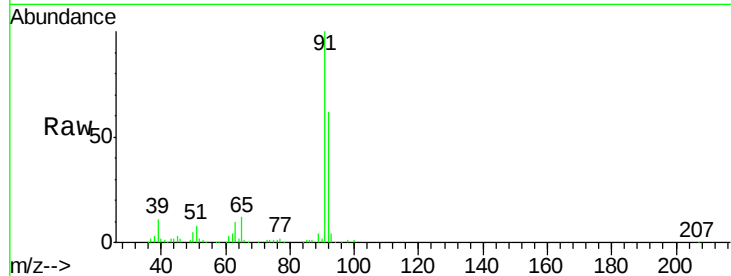
VSTD00561

Tgt Ion: 91 Resp: 86109

Ion Ratio Lower Upper

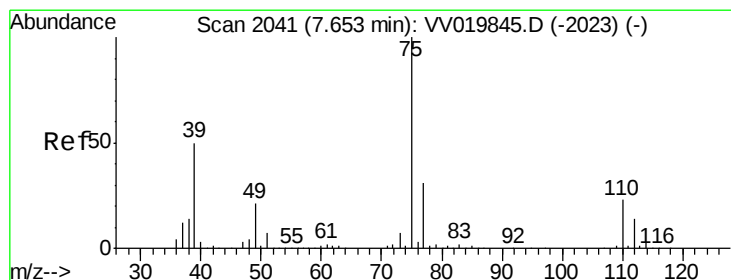
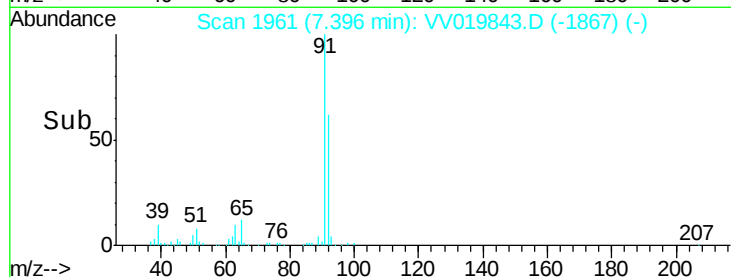
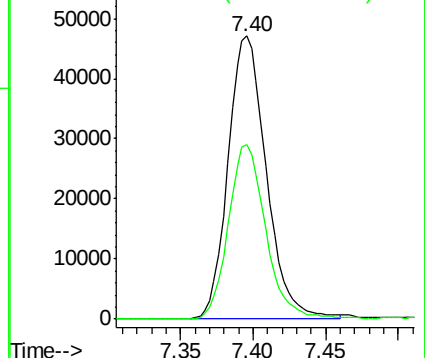
91 100

92 61.6 40.7 75.7



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 92.00 (91.70 to 92.70): VV0



#44

trans-1,3-Dichloropropene

Concen: 4.538 ug/L

RT: 7.66 min Scan# 2043

Delta R.T. 0.01 min

Lab File: VV019843.D

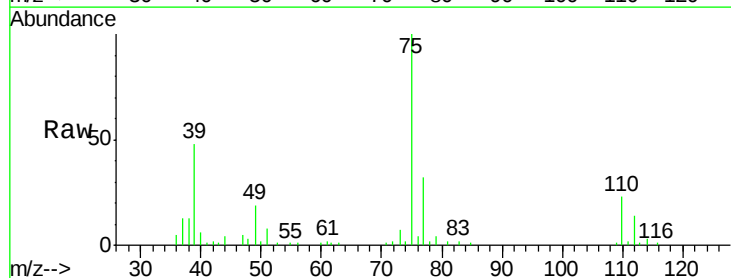
Acq: 28 Dec 2020 11:07

Tgt Ion: 75 Resp: 32505

Ion Ratio Lower Upper

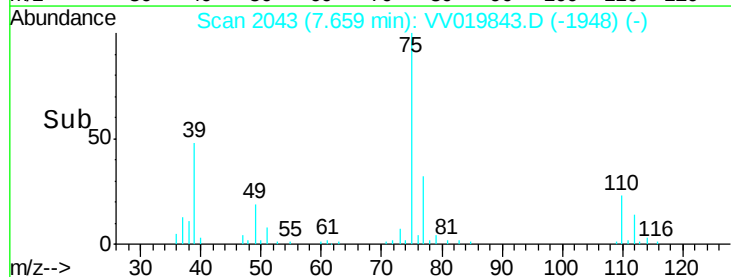
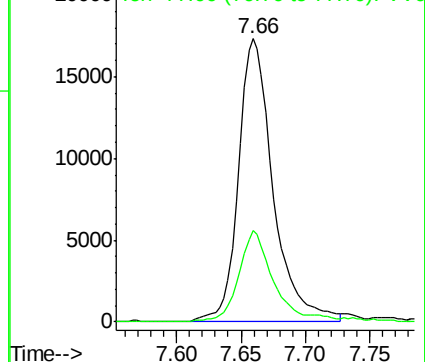
75 100

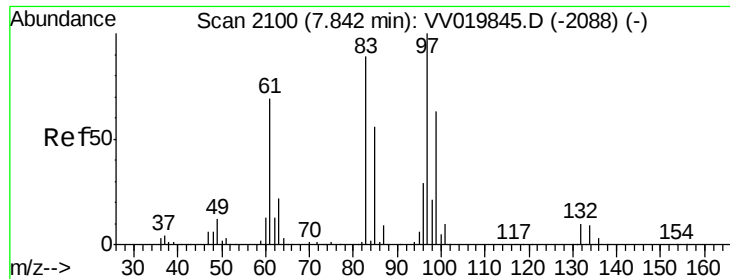
77 32.2 22.0 41.0



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

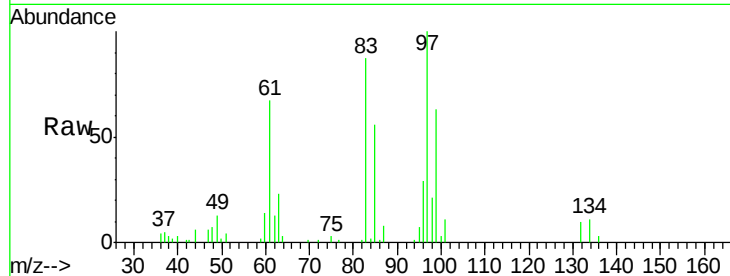




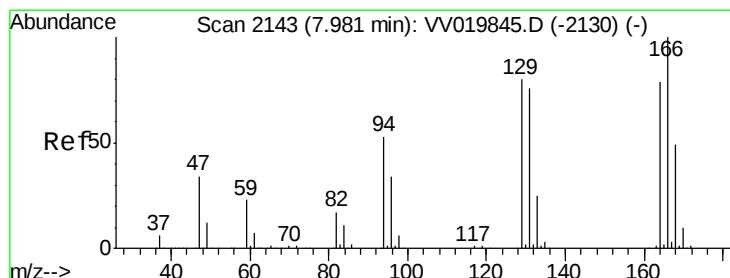
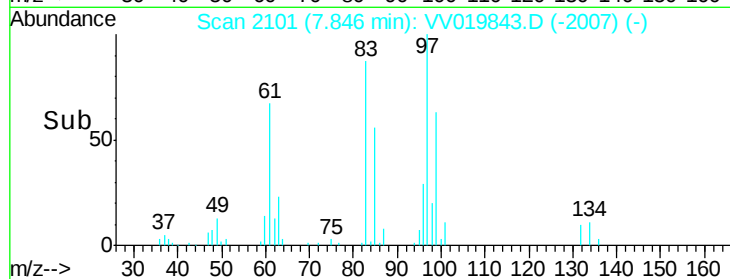
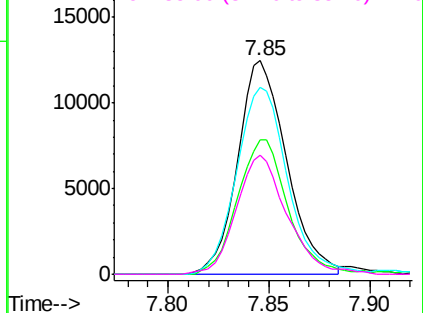
#45
 1,1,2-Trichloroethane
 Concen: 5.170 ug/L
 RT: 7.85 min Scan# 2101
 Delta R.T. 0.00 min
 Lab File: VV019843.D
 Acq: 28 Dec 2020 11:07

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00561

Tgt Ion:	97	Resp:	21198
Ion	Ratio	Lower	Upper
97	100		
99	62.9	43.8	81.3
83	87.4	62.2	115.4
85	55.5	39.0	72.4

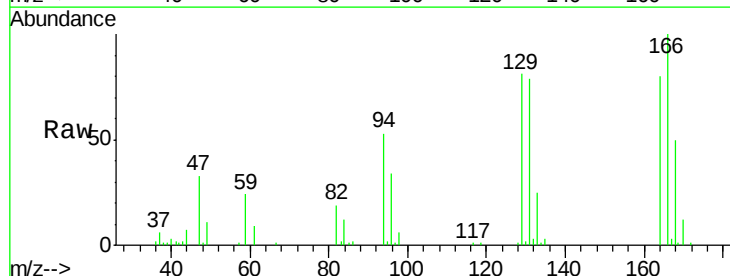


Abundance Ion 97.00 (96.70 to 97.70): VV019843.D (-2007) (-)

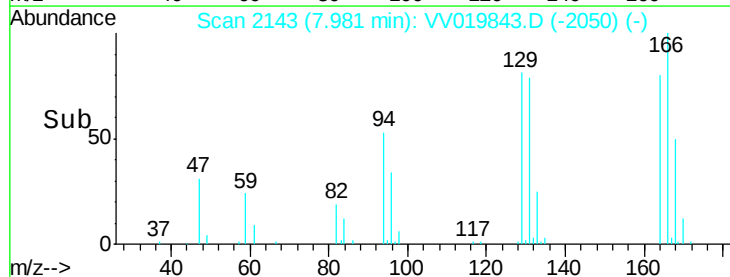
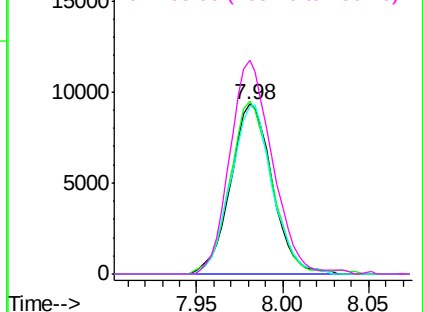


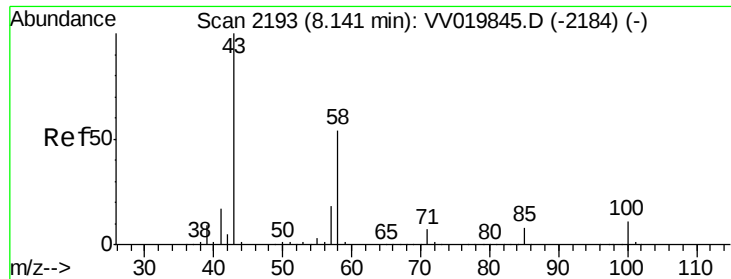
#46
 Tetrachloroethene
 Concen: 5.290 ug/L
 RT: 7.98 min Scan# 2143
 Delta R.T. 0.00 min
 Lab File: VV019843.D
 Acq: 28 Dec 2020 11:07

Tgt Ion:	164	Resp:	15722
Ion	Ratio	Lower	Upper
164	100		
129	102.1	70.6	131.0
131	99.1	66.8	124.0
166	125.8	88.2	163.8



Abundance Ion 164.00 (163.70 to 164.70): VV019843.D (-2050) (-)

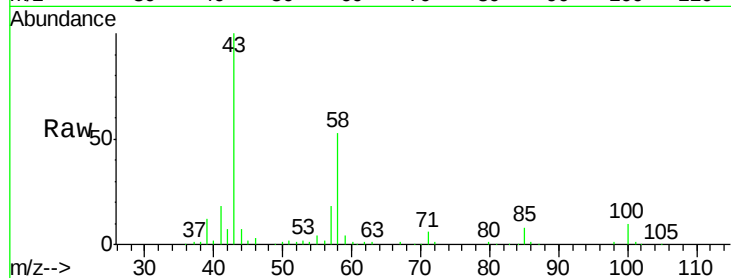




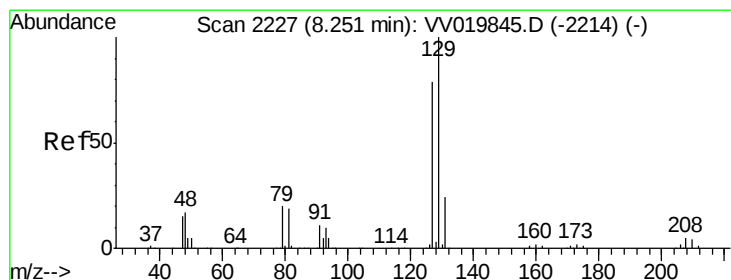
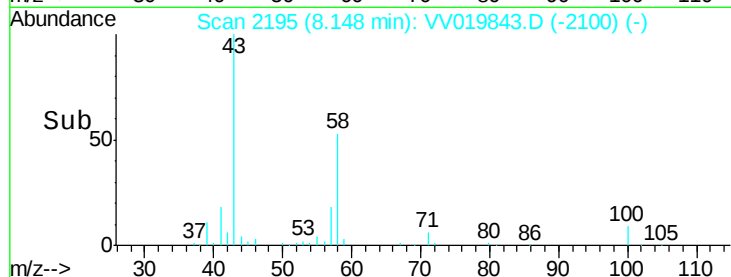
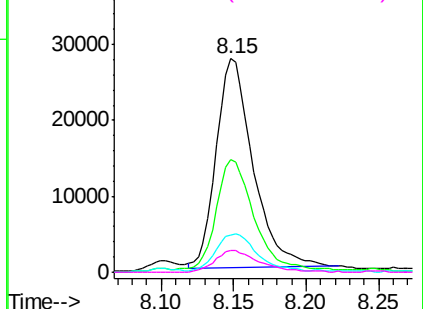
#48
2-Hexanone
Concen: 9.994 ug/L
RT: 8.15 min Scan# 2195
Delta R.T. 0.01 min
Lab File: VV019843.D
Acq: 28 Dec 2020 11:07

Instrument :
MSVOA_V
ClientSampleId :
VSTD00561

Tgt Ion:	43	Resp:	48957
Ion	Ratio	Lower	Upper
43	100		
58	56.3	41.8	62.6
57	20.3	15.0	22.4
100	12.3	8.9	13.3

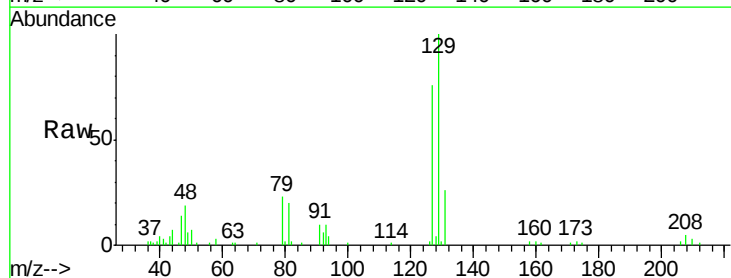


Abundance Ion 43.00 (42.70 to 43.70): VV019843.D (-2100) (-)
Ion 58.00 (57.70 to 58.70): VV019843.D (-2100) (-)
Ion 57.00 (56.70 to 57.70): VV019843.D (-2100) (-)
Ion 100.00 (99.70 to 100.70): VV019843.D (-2100) (-)

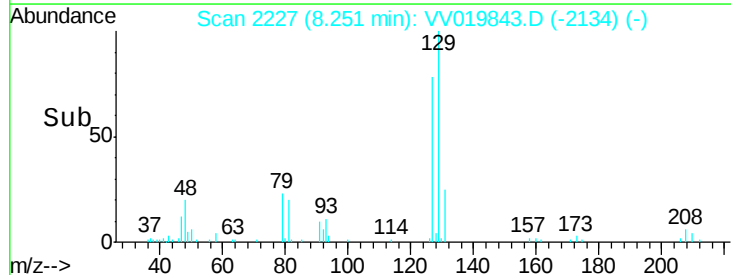
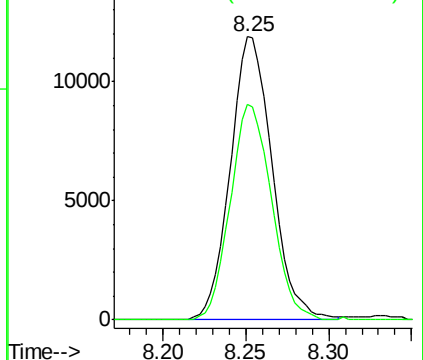


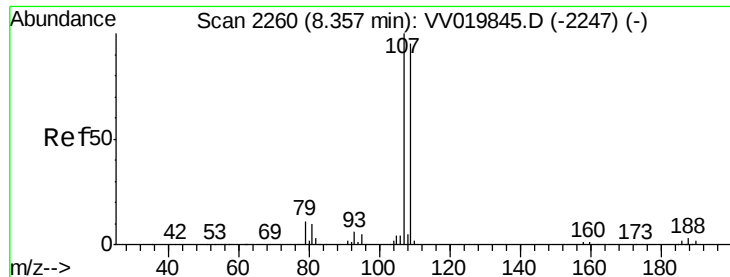
#49
Dibromochloromethane
Concen: 4.734 ug/L
RT: 8.25 min Scan# 2227
Delta R.T. 0.00 min
Lab File: VV019843.D
Acq: 28 Dec 2020 11:07

Tgt Ion:	129	Resp:	20921
Ion	Ratio	Lower	Upper
129	100		
127	76.3	55.2	102.6



Abundance Ion 129.00 (128.70 to 129.70): VV019843.D (-2134) (-)
Ion 127.00 (126.70 to 127.70): VV019843.D (-2134) (-)

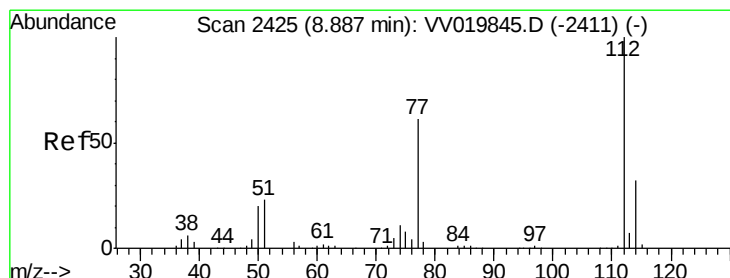
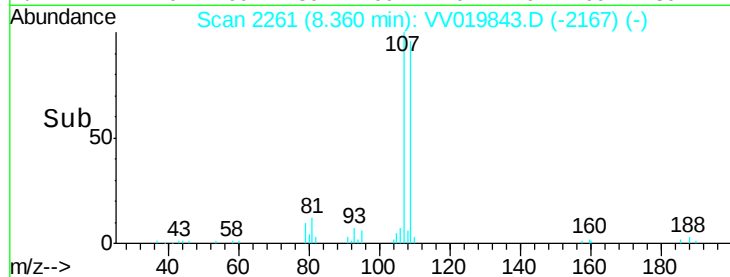
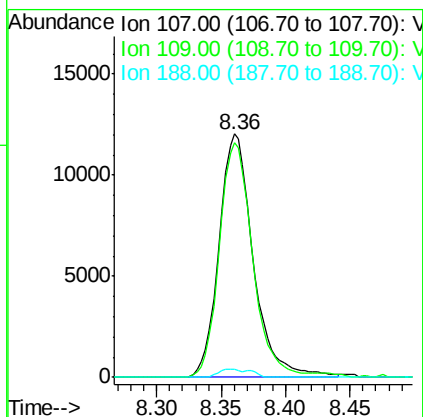
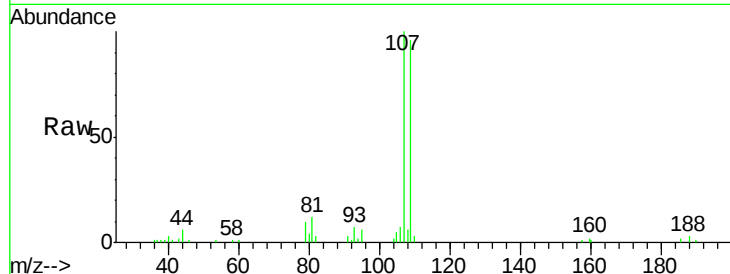




#50
1,2-Dibromoethane
Concen: 5.164 ug/L
RT: 8.36 min Scan# 2261
Delta R.T. 0.00 min
Lab File: VV019843.D
Acq: 28 Dec 2020 11:07

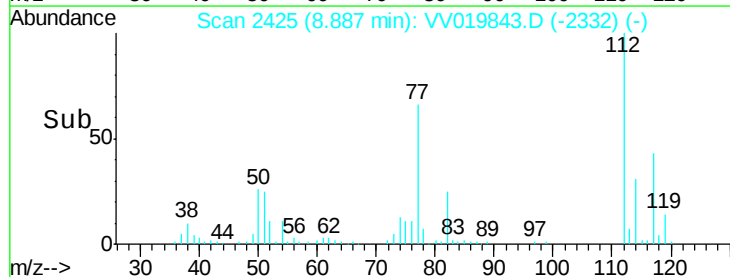
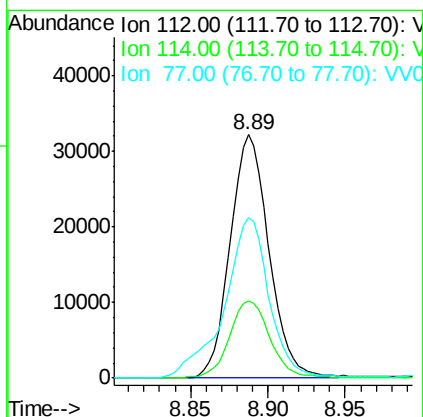
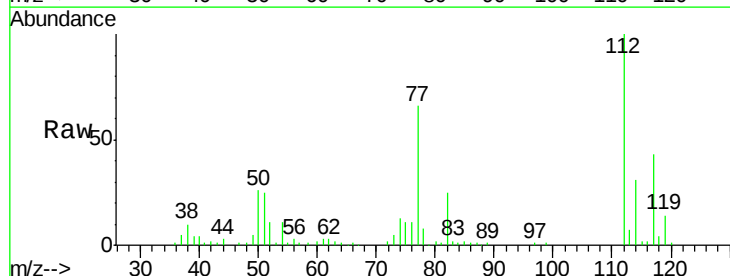
Instrument :
MSVOA_V
ClientSampleId :
VSTD00561

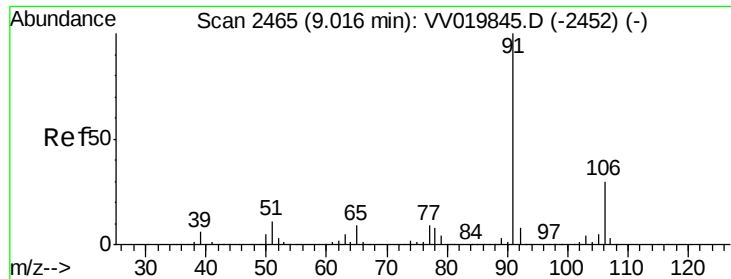
Tgt Ion:107 Resp: 22215
Ion Ratio Lower Upper
107 100
109 96.3 66.2 123.0
188 3.1 2.6 3.8



#51
Chlorobenzene
Concen: 5.079 ug/L
RT: 8.89 min Scan# 2425
Delta R.T. 0.00 min
Lab File: VV019843.D
Acq: 28 Dec 2020 11:07

Tgt Ion:112 Resp: 56055
Ion Ratio Lower Upper
112 100
114 31.5 22.2 41.2
77 66.0 49.0 73.6

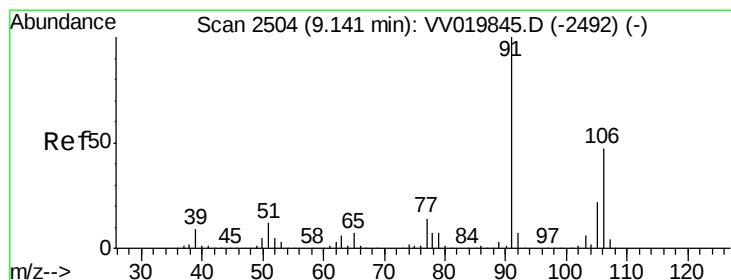
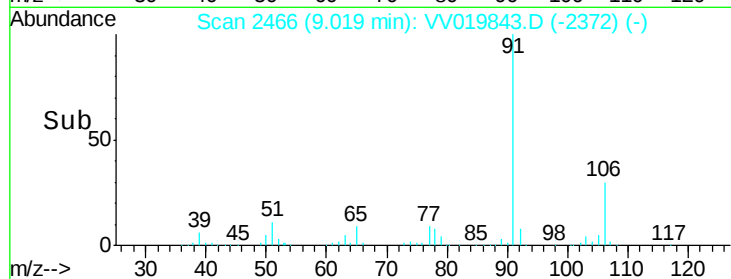
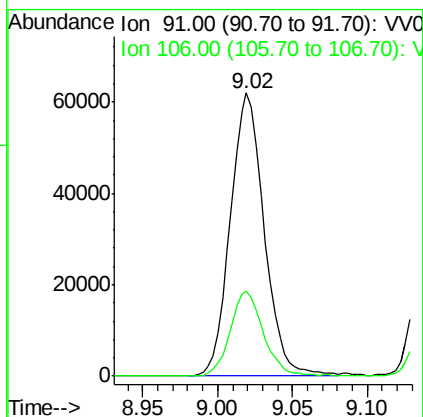
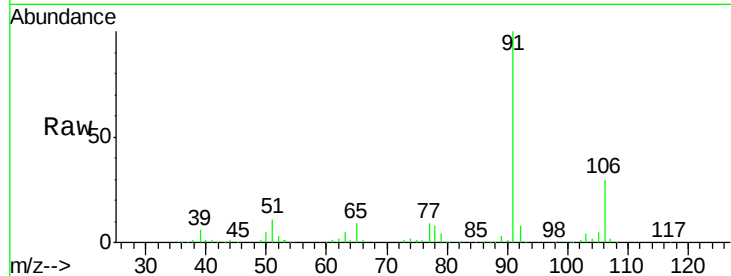




#52
Ethylbenzene
Concen: 4.985 ug/L
RT: 9.02 min Scan# 2466
Delta R.T. 0.00 min
Lab File: VV019843.D
Acq: 28 Dec 2020 11:07

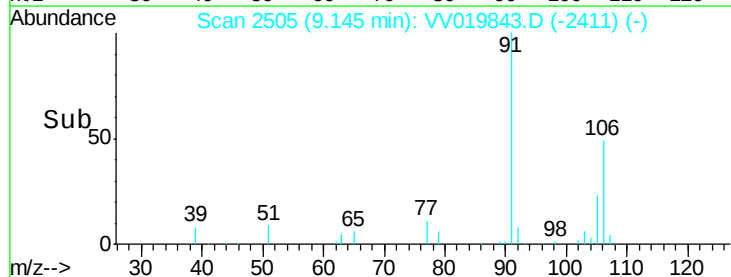
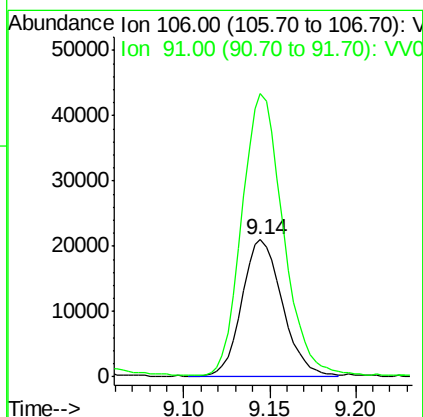
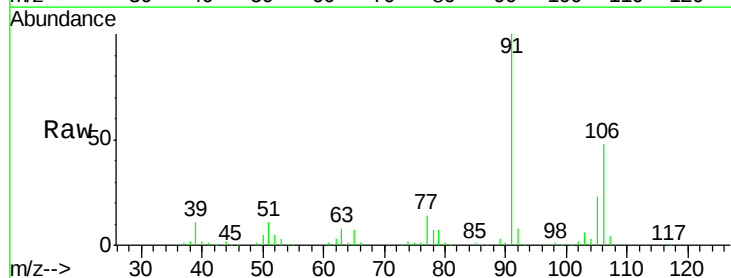
Instrument :
MSVOA_V
ClientSampleId :
VSTD00561

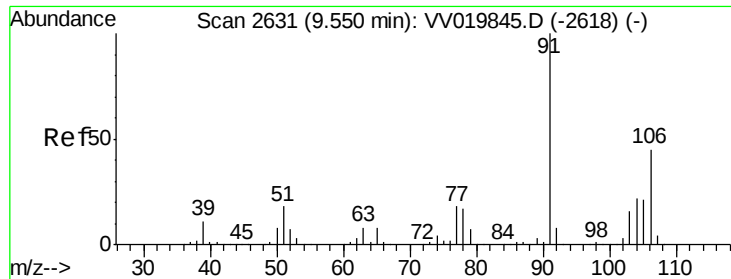
Tgt Ion: 91 Resp: 97864
Ion Ratio Lower Upper
91 100
106 29.9 21.0 39.0



#53
m,p-Xylene
Concen: 4.679 ug/L
RT: 9.14 min Scan# 2505
Delta R.T. 0.00 min
Lab File: VV019843.D
Acq: 28 Dec 2020 11:07

Tgt Ion: 106 Resp: 34151
Ion Ratio Lower Upper
106 100
91 206.8 148.1 275.0





#54

o-xylene

Concen: 4.677 ug/L

RT: 9.55 min Scan# 2631

Delta R.T. 0.00 min

Lab File: VV019843.D

Acq: 28 Dec 2020 11:07

Instrument :

MSVOA_V

ClientSampleId :

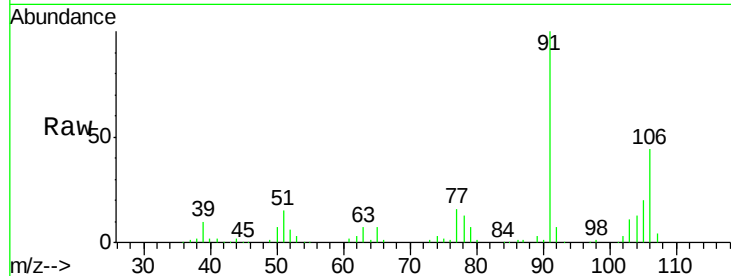
VSTD00561

Tgt Ion:106 Resp: 33439

Ion Ratio Lower Upper

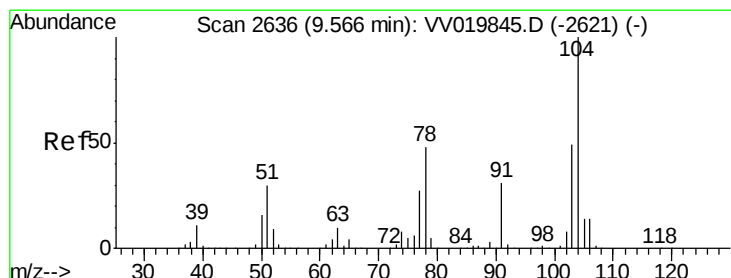
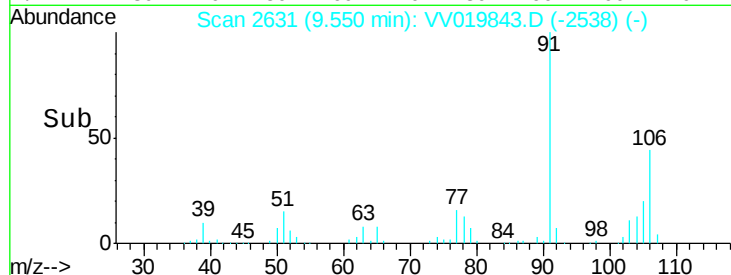
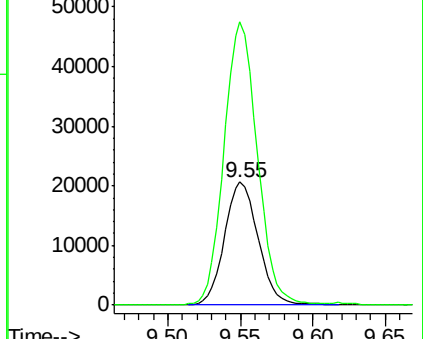
106 100

91 229.6 156.4 290.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 4.426 ug/L

RT: 9.57 min Scan# 2637

Delta R.T. 0.00 min

Lab File: VV019843.D

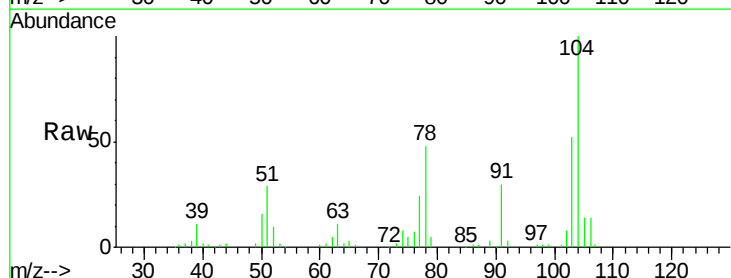
Acq: 28 Dec 2020 11:07

Tgt Ion:104 Resp: 55329

Ion Ratio Lower Upper

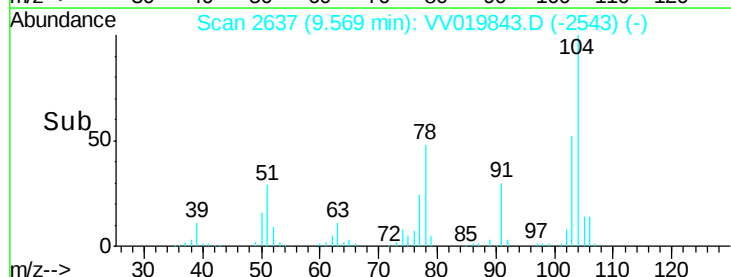
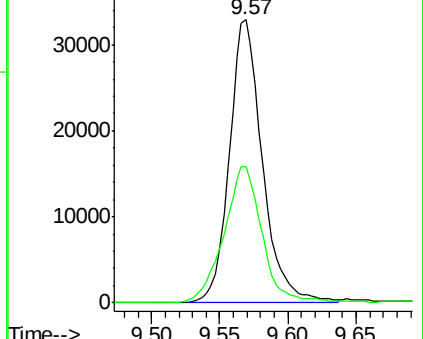
104 100

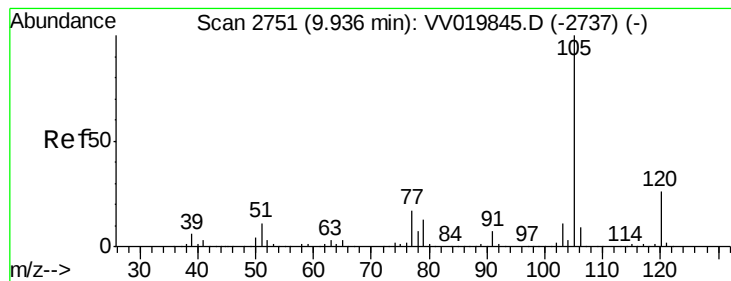
78 48.0 33.7 62.5



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 4.800 ug/L

RT: 9.94 min Scan# 2752

Delta R.T. 0.00 min

Lab File: VV019843.D

Acq: 28 Dec 2020 11:07

Instrument :

MSVOA_V

ClientSampleId :

VSTD00561

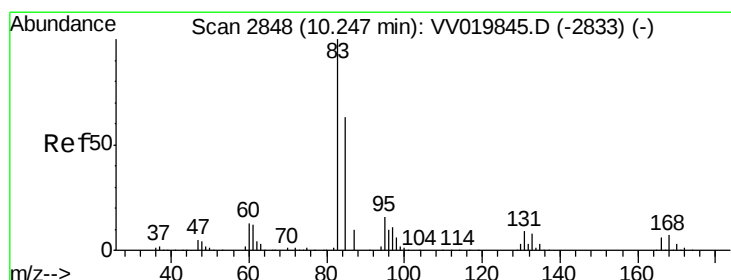
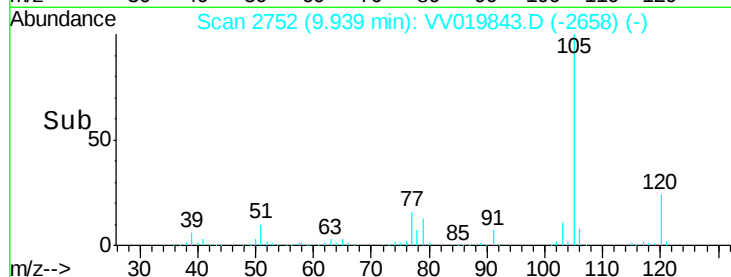
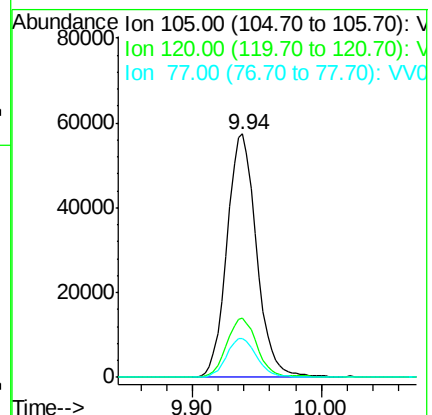
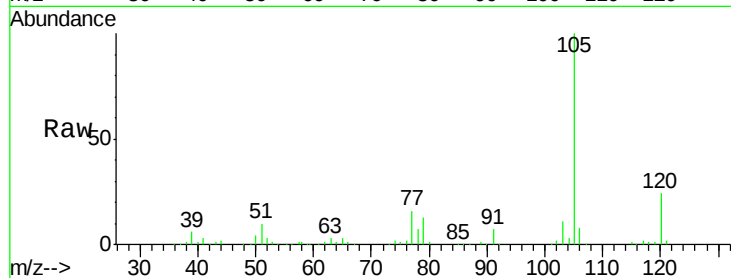
Tgt Ion: 105 Resp: 91368

Ion Ratio Lower Upper

105 100

120 25.0 20.5 30.7

77 16.3 13.6 20.4



#58

1,1,2,2-Tetrachloroethane

Concen: 4.860 ug/L

RT: 10.25 min Scan# 2848

Delta R.T. 0.00 min

Lab File: VV019843.D

Acq: 28 Dec 2020 11:07

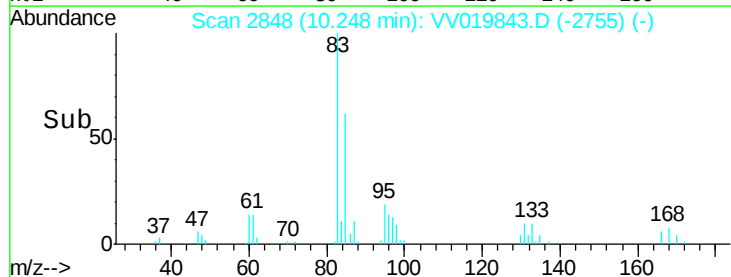
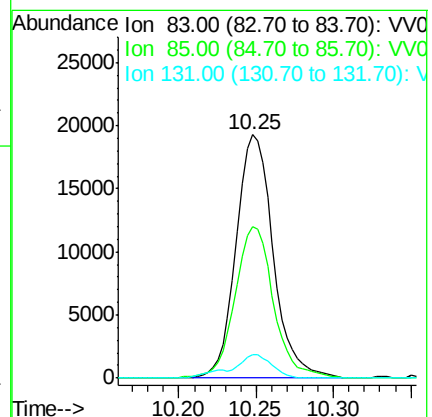
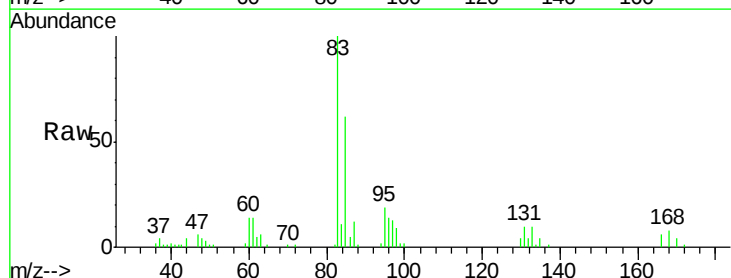
Tgt Ion: 83 Resp: 32219

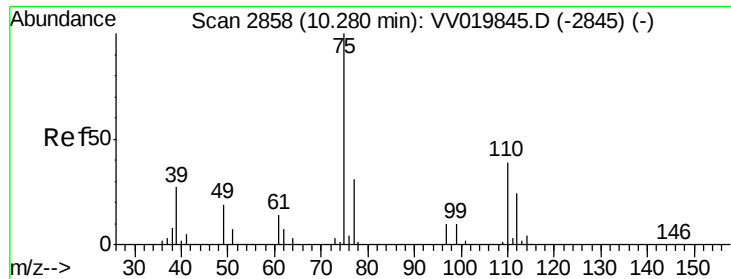
Ion Ratio Lower Upper

83 100

85 62.4 44.3 82.3

131 9.9 7.3 10.9





#59

1,2,3-Trichloropropane

Concen: 5.597 ug/L

RT: 10.28 min Scan# 2858

Delta R.T. 0.00 min

Lab File: VV019843.D

Acq: 28 Dec 2020 11:07

Instrument :

MSVOA_V

ClientSampleId :

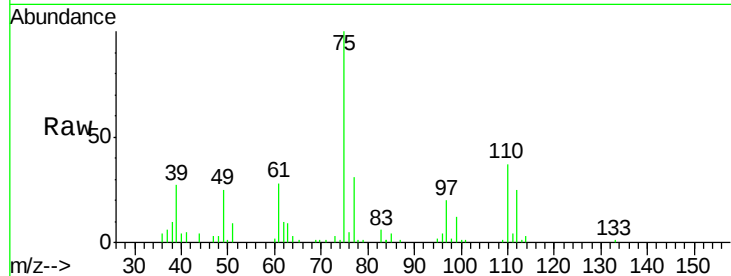
VSTD00561

Tgt Ion: 75 Resp: 30507

Ion Ratio Lower Upper

75 100

77 31.0 25.4 38.0



Abundance Ion 75.00 (74.70 to 75.70): VV019845.D (-2845) (-)

Ion 77.00 (76.70 to 77.70): VV019845.D (-2845) (-)

10.28

20000

15000

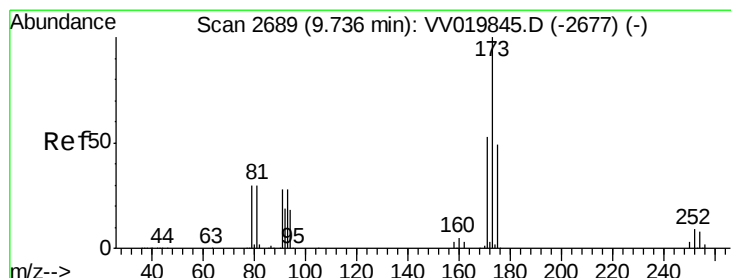
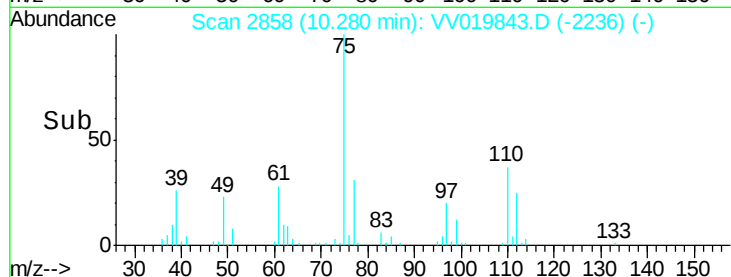
10000

5000

0

Time-->

10.25 10.30 10.35



#61

Bromoform

Concen: 4.431 ug/L

RT: 9.74 min Scan# 2689

Delta R.T. 0.00 min

Lab File: VV019843.D

Acq: 28 Dec 2020 11:07

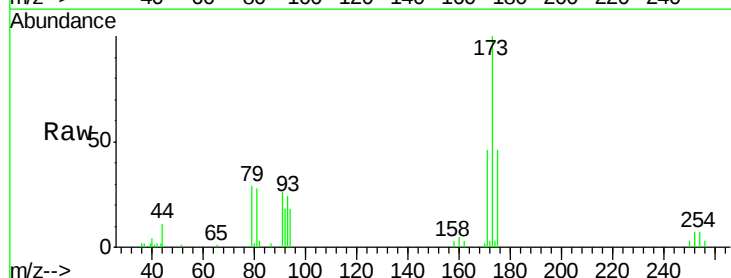
Tgt Ion: 173 Resp: 13128

Ion Ratio Lower Upper

173 100

175 46.1 38.6 57.8

254 6.6 6.5 9.7



Abundance Ion 173.00 (172.70 to 173.70): VV019845.D (-2677) (-)

Ion 175.00 (174.70 to 175.70): VV019845.D (-2677) (-)

Ion 254.00 (253.70 to 254.70): VV019845.D (-2677) (-)

9.74

10000

8000

6000

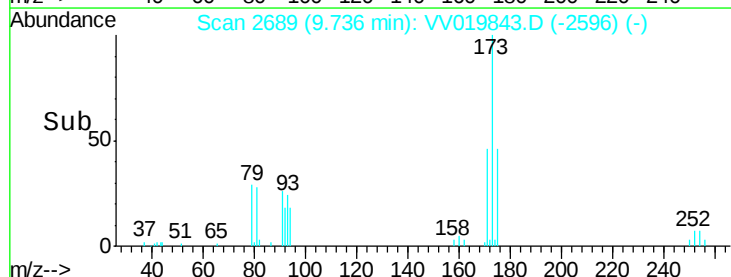
4000

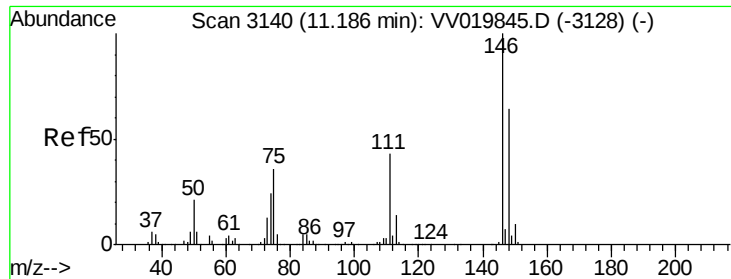
2000

0

Time-->

9.70 9.75 9.80





#62

1,3-Dichlorobenzene

Concen: 4.943 ug/L

RT: 11.19 min Scan# 3141

Delta R.T. 0.00 min

Lab File: VV019843.D

Acq: 28 Dec 2020 11:07

Instrument :

MSVOA_V

ClientSampleId :

VSTD00561

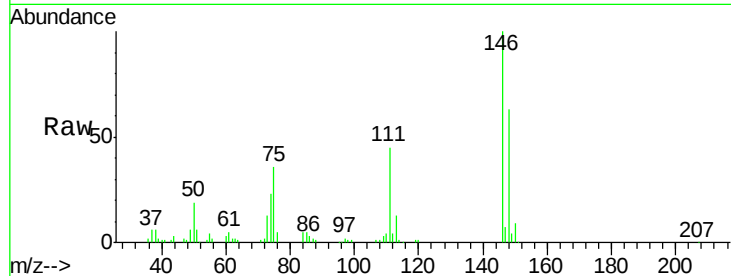
Tgt Ion:146 Resp: 40951

Ion Ratio Lower Upper

146 100

111 45.3 30.2 56.2

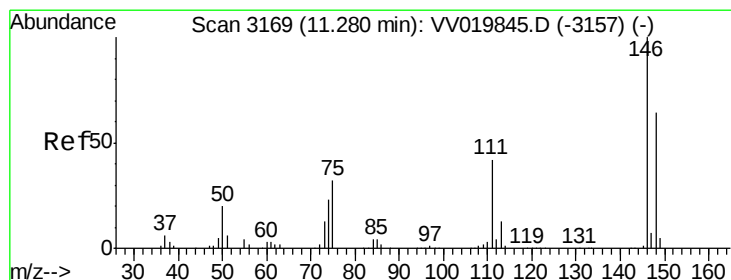
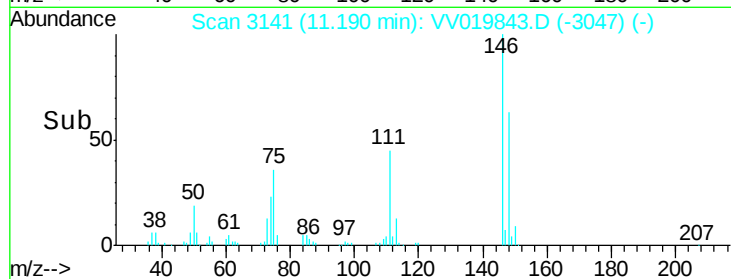
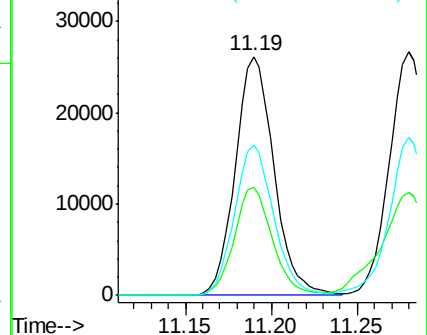
148 63.1 45.0 83.6



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: 5.191 ug/L

RT: 11.28 min Scan# 3169

Delta R.T. 0.00 min

Lab File: VV019843.D

Acq: 28 Dec 2020 11:07

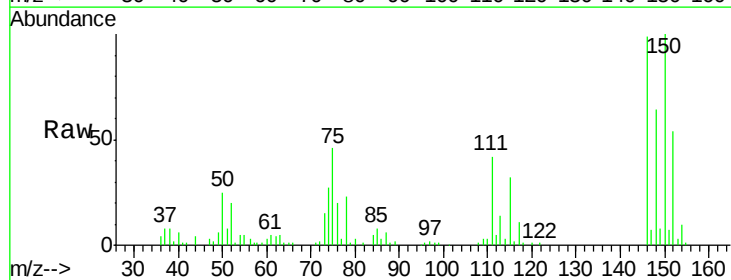
Tgt Ion:146 Resp: 43596

Ion Ratio Lower Upper

146 100

111 42.4 29.4 54.6

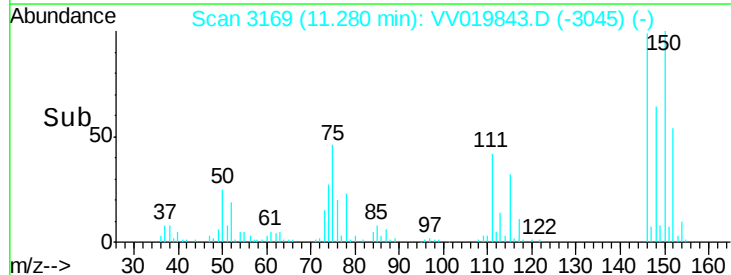
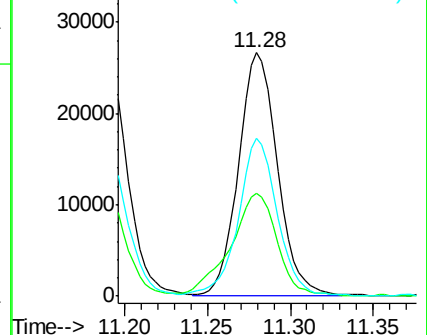
148 64.8 44.7 83.1

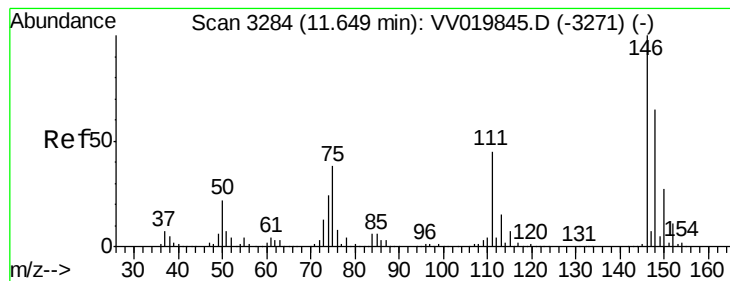


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 5.159 ug/L

RT: 11.65 min Scan# 3285

Delta R.T. 0.00 min

Lab File: VV019843.D

Acq: 28 Dec 2020 11:07

Instrument :

MSVOA_V

ClientSampleId :

VSTD00561

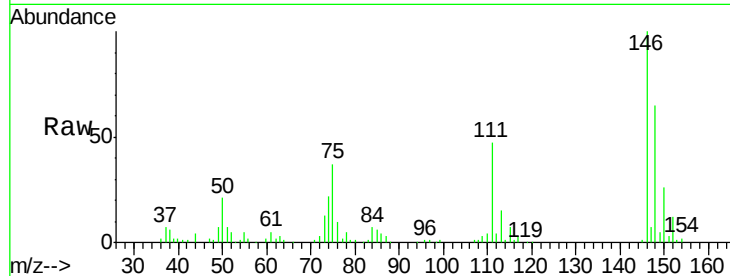
Tgt Ion: 146 Resp: 42393

Ion Ratio Lower Upper

146 100

111 47.2 36.3 54.5

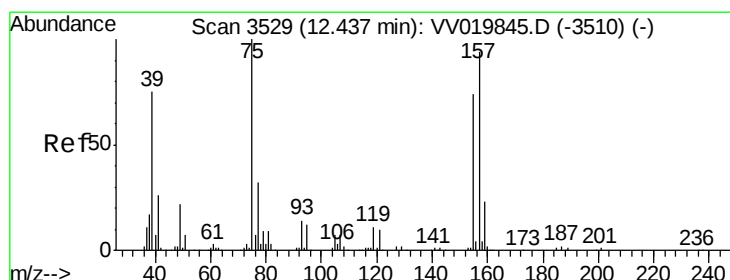
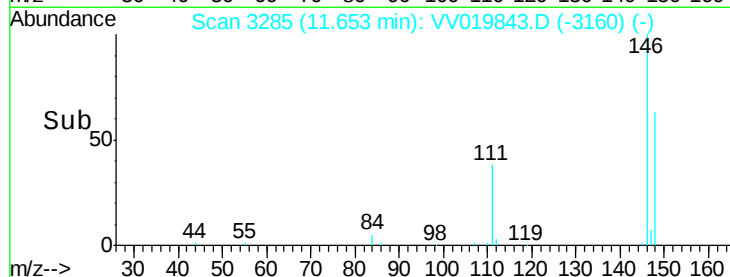
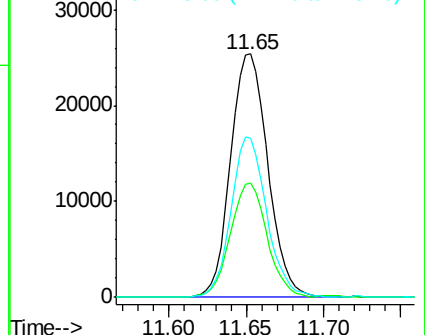
148 65.4 51.7 77.5



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: 4.112 ug/L

RT: 12.44 min Scan# 3529

Delta R.T. 0.00 min

Lab File: VV019843.D

Acq: 28 Dec 2020 11:07

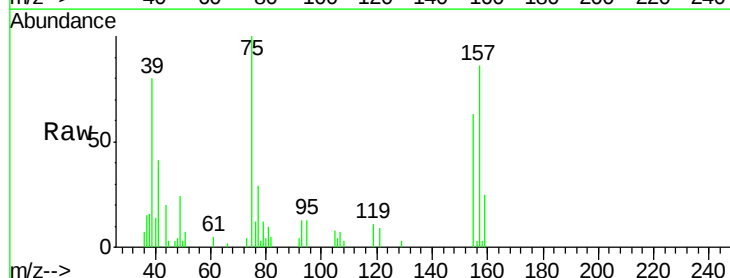
Tgt Ion: 75 Resp: 7076

Ion Ratio Lower Upper

75 100

155 63.5 59.1 88.7

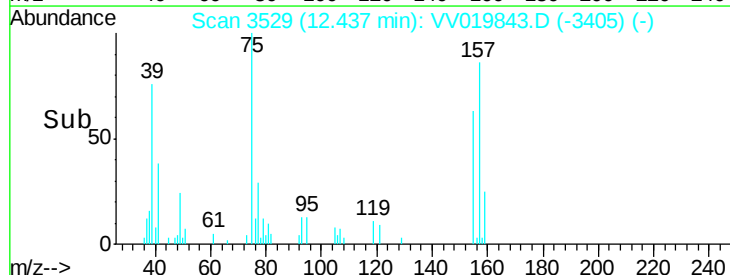
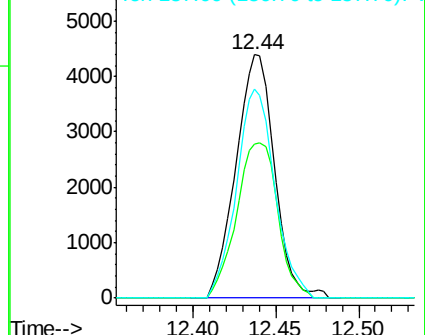
157 86.1 75.4 113.0

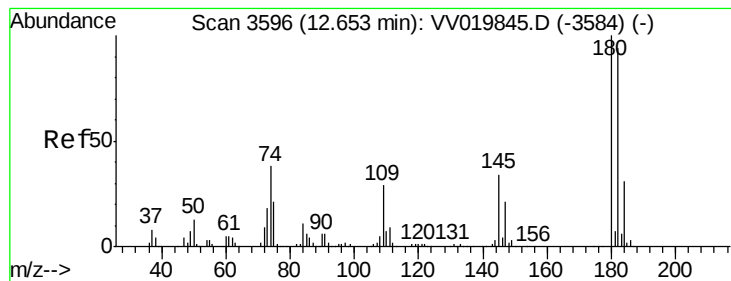


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V





#67

1,3,5-Trichlorobenzene

Concen: 4.901 ug/L

RT: 12.66 min Scan# 3597

Delta R.T. 0.00 min

Lab File: VV019843.D

Acq: 28 Dec 2020 11:07

Instrument :

MSVOA_V

ClientSampleId :

VSTD00561

Tgt Ion:180 Resp: 28822

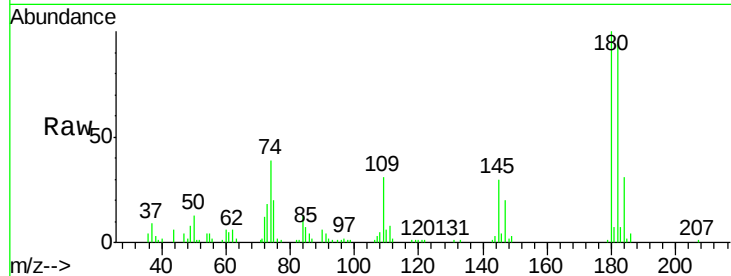
Ion Ratio Lower Upper

180 100

182 92.6 75.0 112.6

184 29.9 24.0 36.0

145 30.9 25.8 38.6

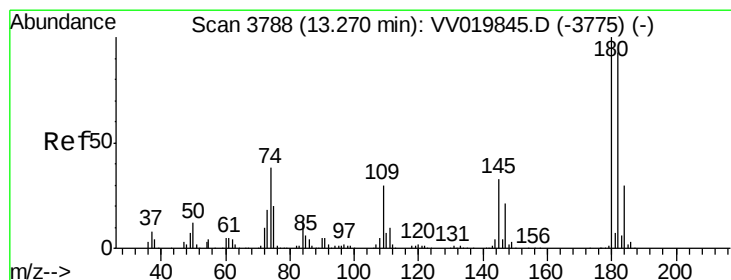
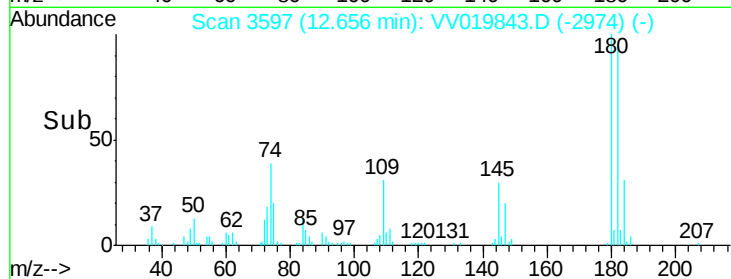
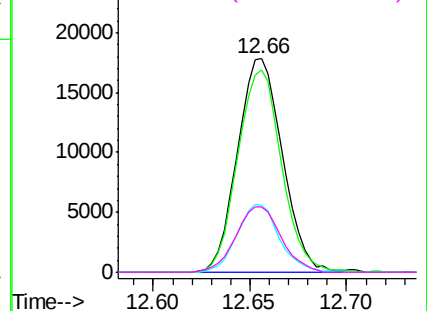


Abundance Ion 180.00 (179.70 to 180.70): V

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: 4.317 ug/L

RT: 13.27 min Scan# 3788

Delta R.T. 0.00 min

Lab File: VV019843.D

Acq: 28 Dec 2020 11:07

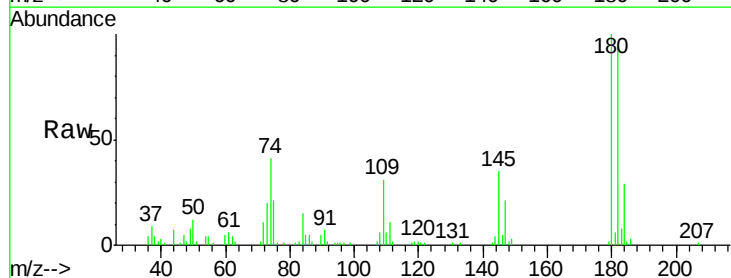
Tgt Ion:180 Resp: 23551

Ion Ratio Lower Upper

180 100

182 92.0 75.1 112.7

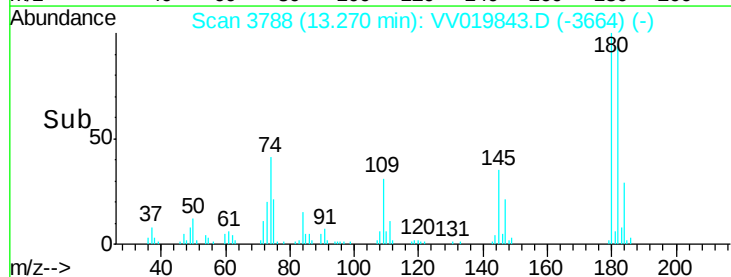
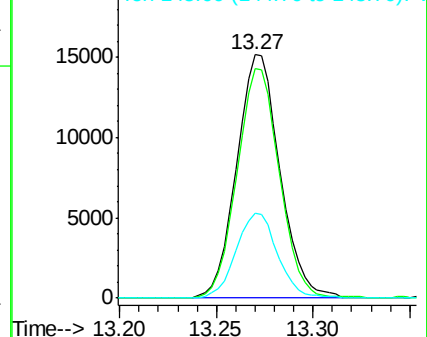
145 33.6 26.8 40.2

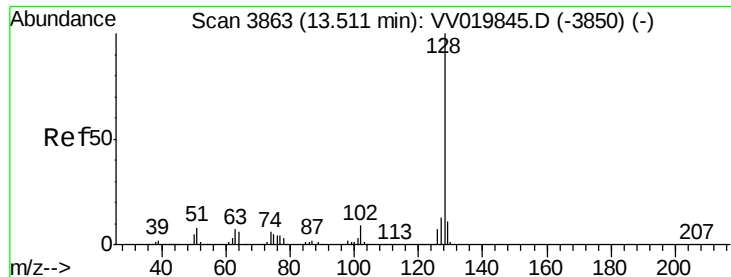


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 3.270 ug/L

RT: 13.51 min Scan# 3863

Delta R.T. 0.00 min

Lab File: VV019843.D

Acq: 28 Dec 2020 11:07

Instrument :

MSVOA_V

ClientSampleId :

VSTD00561

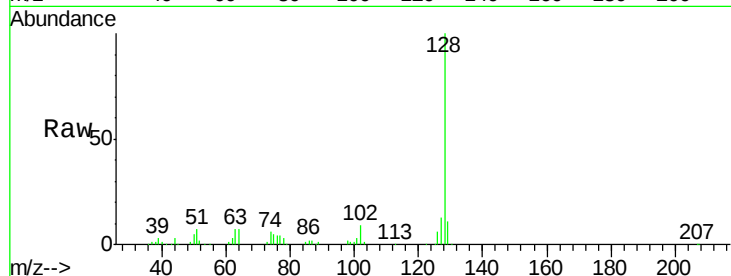
Tgt Ion:128 Resp: 61545

Ion Ratio Lower Upper

128 100

127 13.2 10.3 15.5

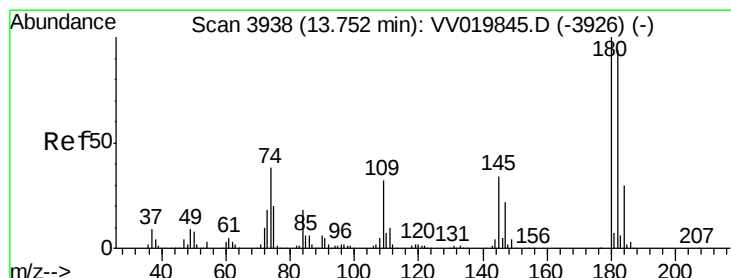
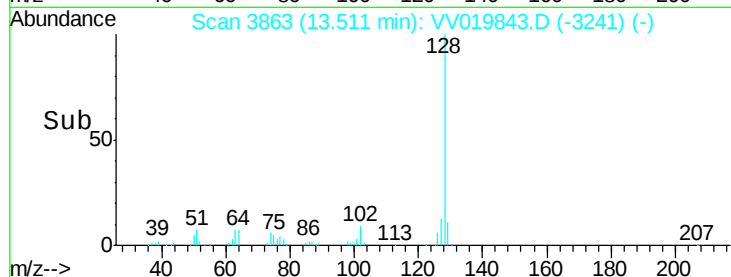
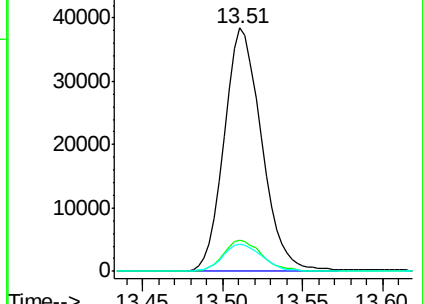
129 11.7 8.6 13.0



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: 4.256 ug/L

RT: 13.76 min Scan# 3939

Delta R.T. 0.00 min

Lab File: VV019843.D

Acq: 28 Dec 2020 11:07

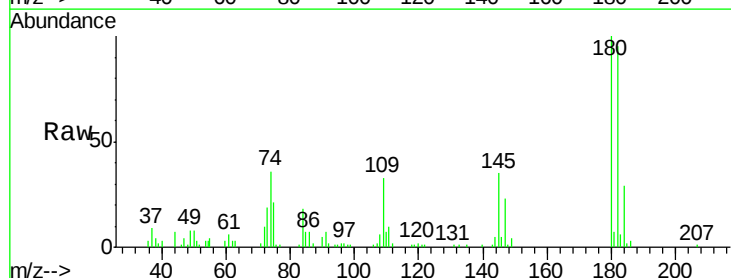
Tgt Ion:180 Resp: 22697

Ion Ratio Lower Upper

180 100

182 96.4 76.1 114.1

145 35.6 27.9 41.9



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

