

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV122820\
 Data File : VV019845.D
 Acq On : 28 Dec 2020 11:56
 Operator : SY/MD
 Sample : VSTD05063
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05063

Quant Time: Dec 28 12:21:15 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	622690	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.86	117	594761	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.26	152	304358	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	242425	53.87	ug/L	0.00
7) Chloroethane-d5	1.57	69	190606	53.71	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.11	63	449118	53.77	ug/L	0.00
21) 2-Butanone-d5	3.89	46	369215	138.50	ug/L	0.00
24) Chloroform-d	4.35	84	449773	54.90	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.04	65	298933	55.67	ug/L	0.00
32) Benzene-d6	5.05	84	859577	53.65	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.07	67	278874	55.25	ug/L	0.00
41) Toluene-d8	7.32	98	766947	53.34	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.62	79	141182	50.21	ug/L	0.00
47) 2-Hexanone-d5	8.09	63	256070	123.47	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.22	84	372358	54.18	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.63	152	287103	50.46	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.13	85	232185	47.557	ug/L	100
3) Chloromethane	1.24	50	284368	52.722	ug/L	100
5) Vinyl chloride	1.31	62	279450	52.099	ug/L	100
6) Bromomethane	1.52	94	166725	51.979	ug/L	100
8) Chloroethane	1.59	64	172698	53.042	ug/L	100
9) Trichlorofluoromethane	1.75	101	336540	51.813	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	188755	52.530	ug/L	100
12) 1,1-Dichloroethene	2.12	96	190101	51.294	ug/L	100
13) Acetone	2.19	43	270874	122.329	ug/L	100
14) Carbon disulfide	2.30	76	617868	51.105	ug/L	100
15) Methyl Acetate	2.43	43	276324	58.769	ug/L	100
16) Methylene chloride	2.51	84	238132	53.729	ug/L	100
17) trans-1,2-Dichloroethene	2.76	96	215169	52.700	ug/L	100
18) Methyl tert-butyl Ether	2.77	73	726051	51.069	ug/L	100
19) 1,1-Dichloroethane	3.19	63	427634	53.465	ug/L	100
20) cis-1,2-Dichloroethene	3.92	96	232459	51.870	ug/L	100
22) 2-Butanone	3.97	43	388974	121.904	ug/L	100
23) Bromochloromethane	4.25	128	115196	52.134	ug/L	100
25) Chloroform	4.38	83	426951	53.501	ug/L	100
27) 1,2-Dichloroethane	5.14	62	353790	53.438	ug/L	100
29) Cyclohexane	4.68	56	367120	50.964	ug/L	100
30) 1,1,1-Trichloroethane	4.61	97	366089	49.500	ug/L	100
31) Carbon tetrachloride	4.83	117	303251	48.912	ug/L	100
33) Benzene	5.10	78	915762	52.293	ug/L	100
34) Trichloroethene	5.92	95	234430	51.003	ug/L	100
35) Methylcyclohexane	6.14	83	360600	52.081	ug/L	100
37) 1,2-Dichloropropane	6.18	63	246969	53.727	ug/L	100
38) Bromodichloromethane	6.51	83	320807	50.559	ug/L	100
39) cis-1,3-Dichloropropene	7.03	75	385692	51.114	ug/L	100
40) 4-Methyl-2-pentanone	7.23	43	758614	112.165	ug/L	100

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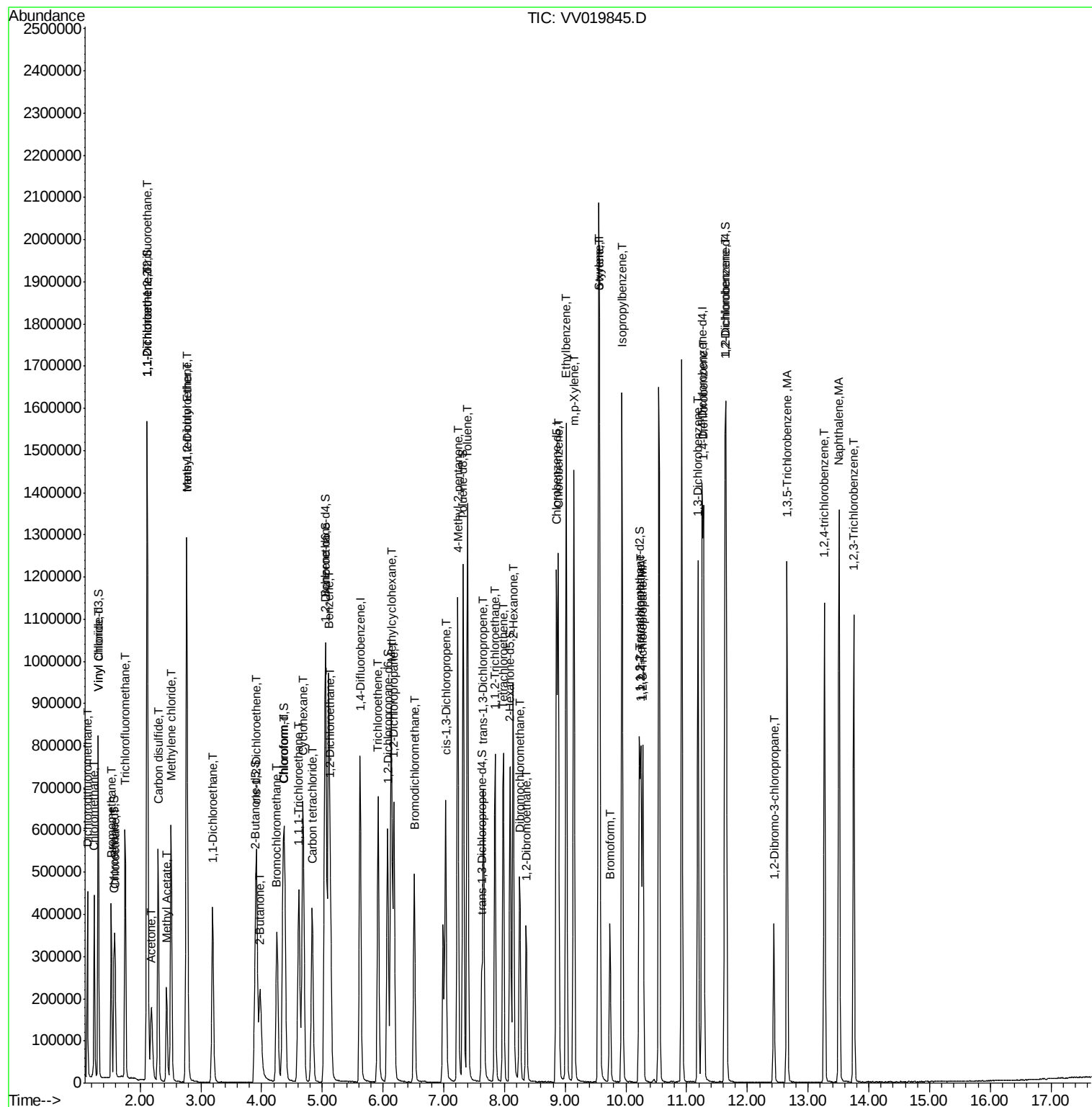
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.39	91	945129	51.537	ug/L	100
44) trans-1,3-Dichloropropene	7.65	75	372769	49.201	ug/L	100
45) 1,1,2-Trichloroethane	7.84	97	222996	51.410	ug/L	100
46) Tetrachloroethene	7.98	164	157785	50.187	ug/L	100
48) 2-Hexanone	8.14	43	597086	115.230	ug/L	100
49) Dibromochloromethane	8.25	129	229908	49.184	ug/L	100
50) 1,2-Dibromoethane	8.36	107	234739	51.589	ug/L	100
51) Chlorobenzene	8.89	112	589642	50.504	ug/L	100
52) Ethylbenzene	9.02	91	1048306	50.478	ug/L	100
53) m,p-Xylene	9.14	106	386415	50.054	ug/L	100
54) o-xylene	9.55	106	373080	49.328	ug/L	100
55) Styrene	9.57	104	666213	50.377	ug/L	100
56) Isopropylbenzene	9.94	105	1001911	49.763	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.25	83	362623	51.713	ug/L	100
59) 1,2,3-Trichloropropane	10.28	75	310083	53.781	ug/L	100
61) Bromoform	9.74	173	150768	45.813	ug/L	100
62) 1,3-Dichlorobenzene	11.19	146	445089	48.366	ug/L	100
63) 1,4-Dichlorobenzene	11.28	146	452502	48.503	ug/L	100
65) 1,2-Dichlorobenzene	11.65	146	447803	49.060	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.44	75	91400	47.811	ug/L	100
67) 1,3,5-Trichlorobenzene	12.65	180	326161	49.934	ug/L	100
68) 1,2,4-trichlorobenzene	13.27	180	295196	48.710	ug/L	100
69) Naphthalene	13.51	128	986097	47.164	ug/L	100
70) 1,2,3-Trichlorobenzene	13.75	180	287081	48.465	ug/L	100

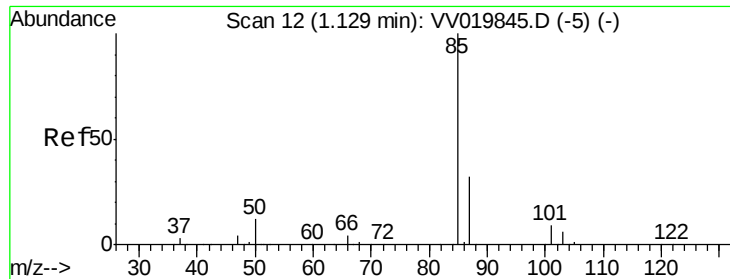
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 47.557 ug/L

RT: 1.13 min Scan# 12

Delta R.T. 0.00 min

Lab File: VV019845.D

Acq: 28 Dec 2020 11:56

Instrument :

MSVOA_V

ClientSampled :

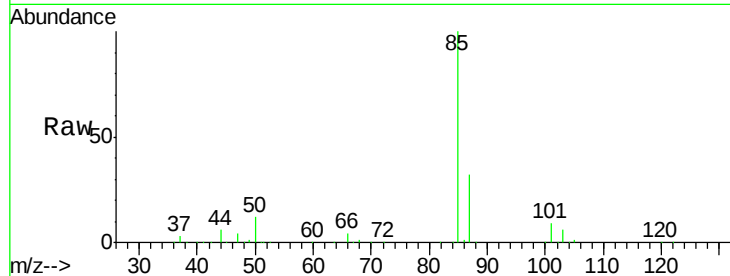
VSTD05063

Tgt Ion: 85 Resp: 232185

Ion Ratio Lower Upper

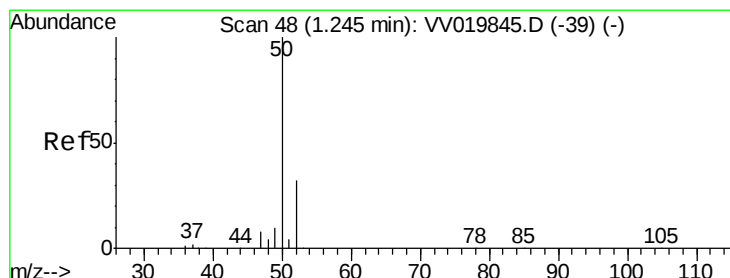
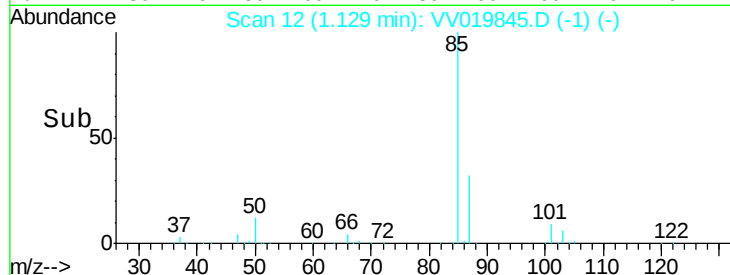
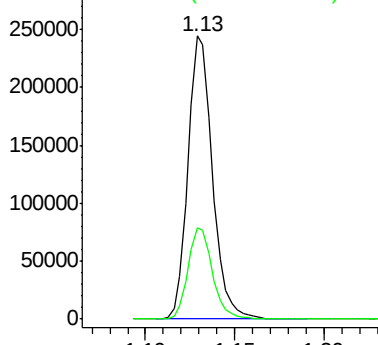
85 100

87 32.4 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 52.722 ug/L

RT: 1.24 min Scan# 48

Delta R.T. 0.00 min

Lab File: VV019845.D

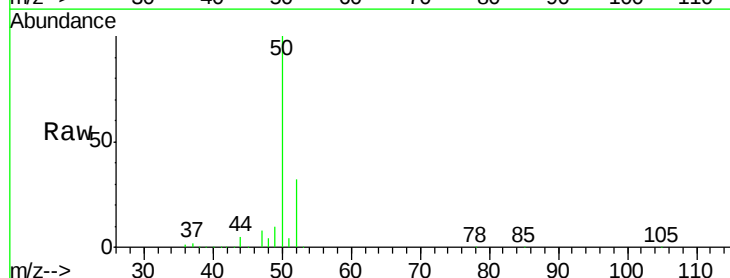
Acq: 28 Dec 2020 11:56

Tgt Ion: 50 Resp: 284368

Ion Ratio Lower Upper

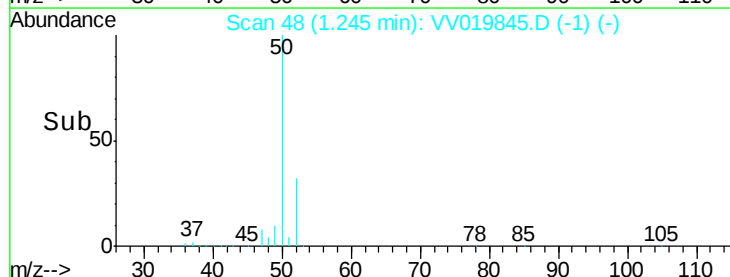
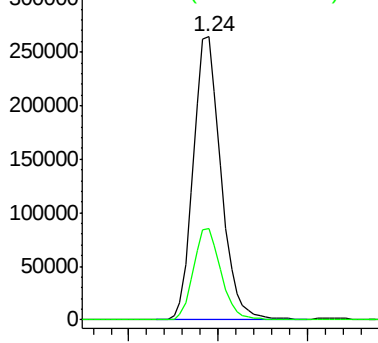
50 100

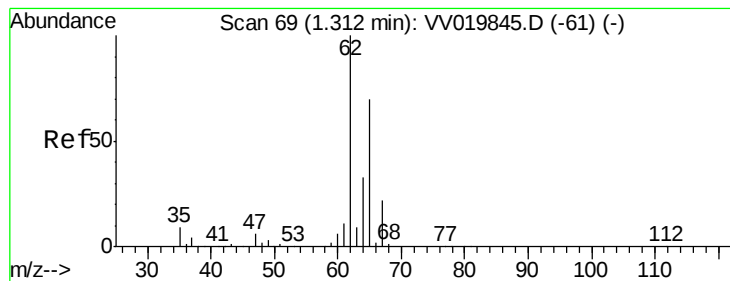
52 32.4 22.7 42.1



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0





#5

Vinyl chloride

Concen: 52.099 ug/L

RT: 1.31 min Scan# 69

Delta R.T. 0.00 min

Lab File: VV019845.D

Acq: 28 Dec 2020 11:56

Instrument :

MSVOA_V

ClientSampleId :

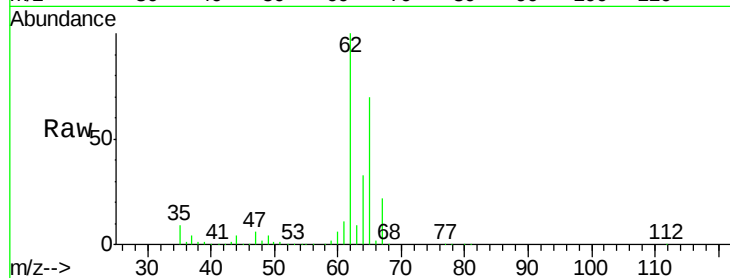
VSTD05063

Tgt Ion: 62 Resp: 279450

Ion Ratio Lower Upper

62 100

64 32.8 23.0 42.6



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0

1.31

300000

250000

200000

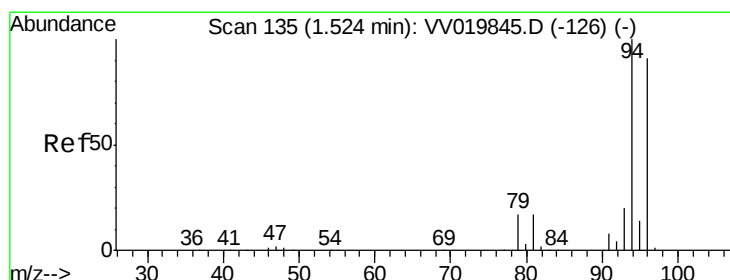
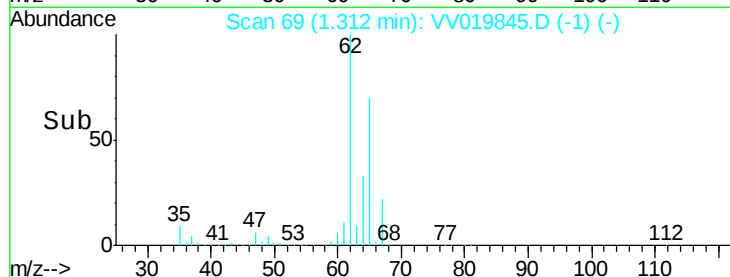
150000

100000

50000

0

Time--> 1.25 1.30 1.35 1.40



#6

Bromomethane

Concen: 51.979 ug/L

RT: 1.52 min Scan# 135

Delta R.T. 0.00 min

Lab File: VV019845.D

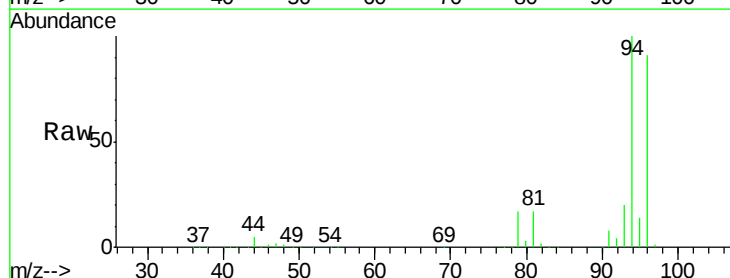
Acq: 28 Dec 2020 11:56

Tgt Ion: 94 Resp: 166725

Ion Ratio Lower Upper

94 100

96 90.9 63.6 118.2



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

1.52

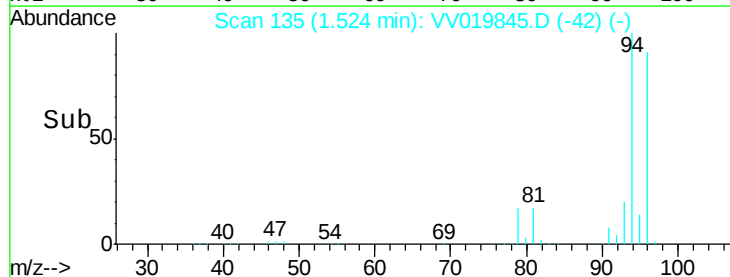
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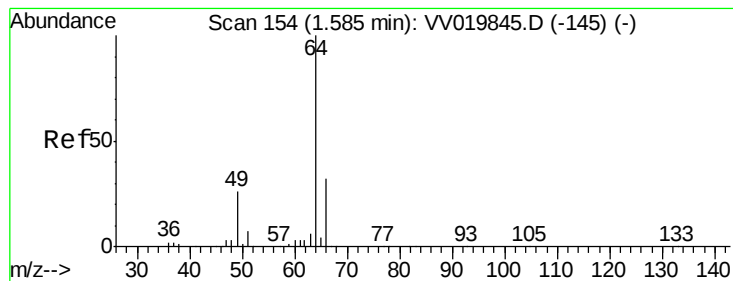
100000

50000

0

Time--> 1.50 1.55 1.60





#8

Chloroethane

Concen: 53.042 ug/L

RT: 1.59 min Scan# 154

Delta R.T. 0.00 min

Lab File: VV019845.D

Acq: 28 Dec 2020 11:56

Instrument :

MSVOA_V

ClientSampleId :

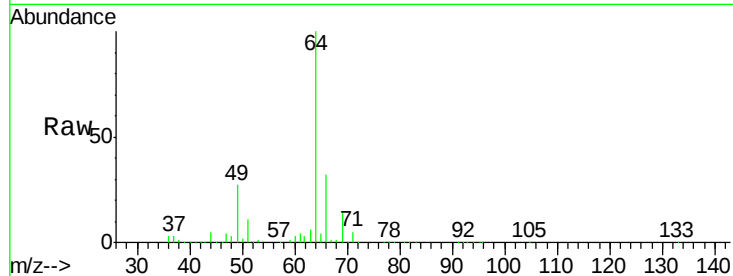
VSTD05063

Tgt Ion: 64 Resp: 172698

Ion Ratio Lower Upper

64 100

66 32.0 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) (-)

1.59

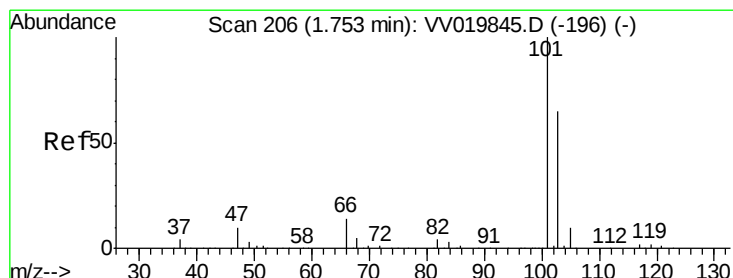
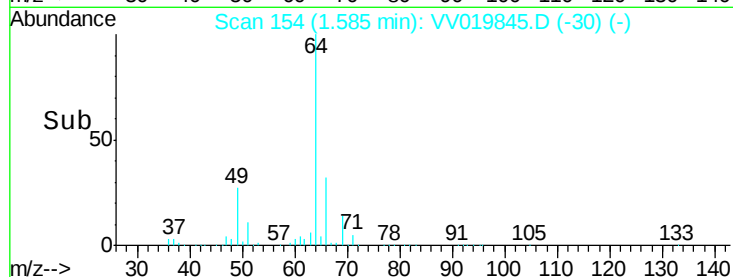
150000

100000

50000

0

Time-->



#9

Trichlorofluoromethane

Concen: 51.813 ug/L

RT: 1.75 min Scan# 206

Delta R.T. 0.00 min

Lab File: VV019845.D

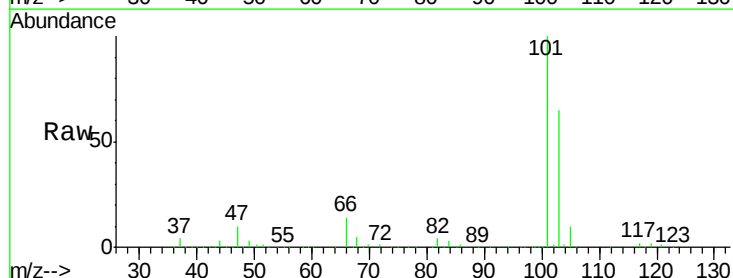
Acq: 28 Dec 2020 11:56

Tgt Ion: 101 Resp: 336540

Ion Ratio Lower Upper

101 100

103 64.6 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) (-)

1.75

300000

250000

200000

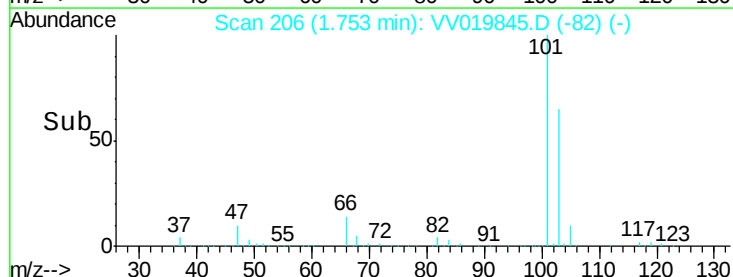
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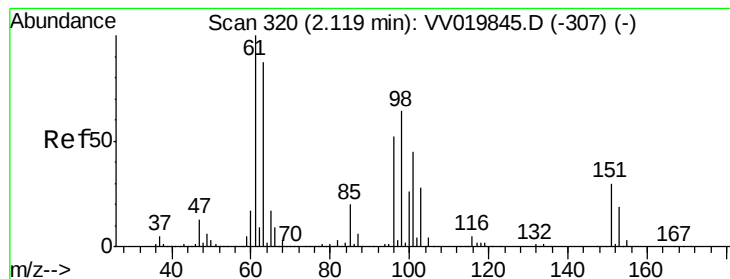
100000

50000

0

Time-->





#10

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

Concen: 52.530 ug/L

RT: 2.12 min Scan# 320

Delta R.T. 0.00 min

Lab File: VV019845.D

Acq: 28 Dec 2020 11:56

Instrument :

MSVOA_V

ClientSampleId :

VSTD05063

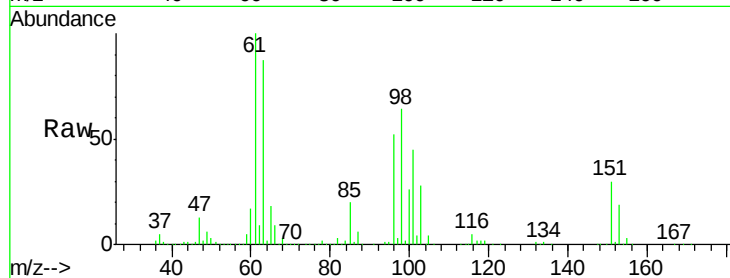
Tgt Ion: 101 Resp: 188755

Ion Ratio Lower Upper

101 100

85 44.1 35.3 52.9

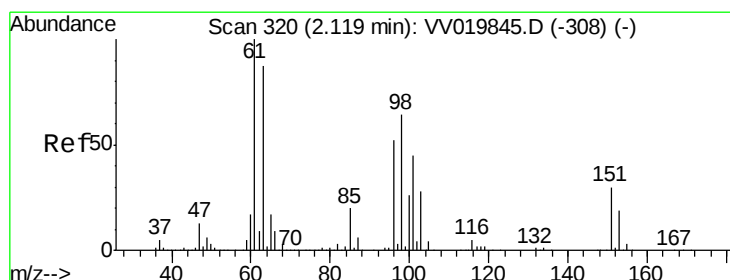
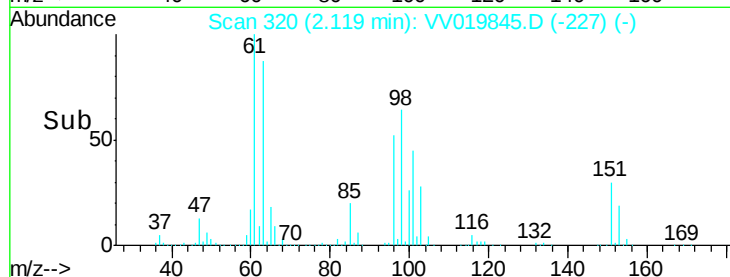
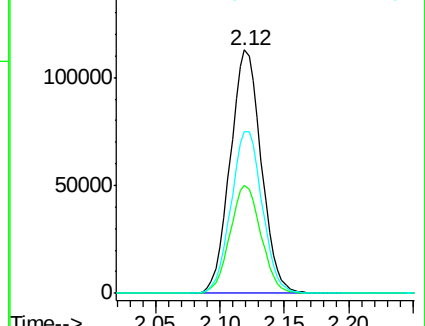
151 67.0 53.6 80.4



Abundance Ion 101.00 (100.70 to 101.70): VV019845.D (-307) (-)

Ion 85.00 (84.70 to 85.70): VV019845.D (-307) (-)

Ion 151.00 (150.70 to 151.70): VV019845.D (-307) (-)



#12

1,1-Dichloroethene

Concen: 51.294 ug/L

RT: 2.12 min Scan# 320

Delta R.T. 0.00 min

Lab File: VV019845.D

Acq: 28 Dec 2020 11:56

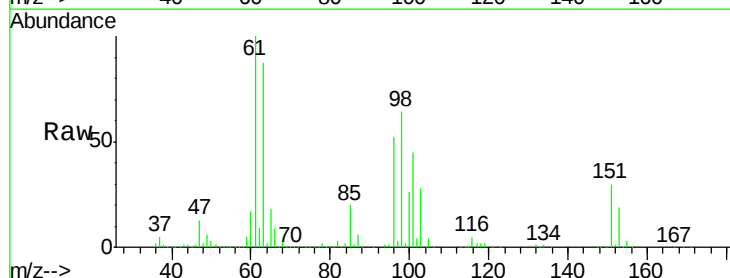
Tgt Ion: 96 Resp: 190101

Ion Ratio Lower Upper

96 100

61 192.7 134.9 250.5

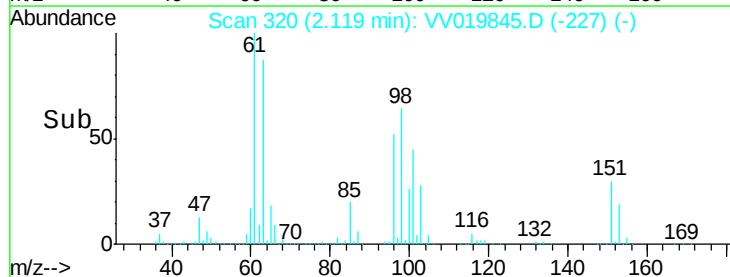
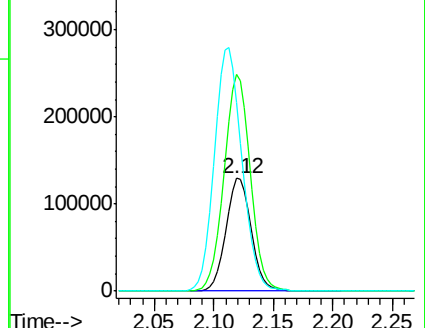
63 168.0 117.6 218.4

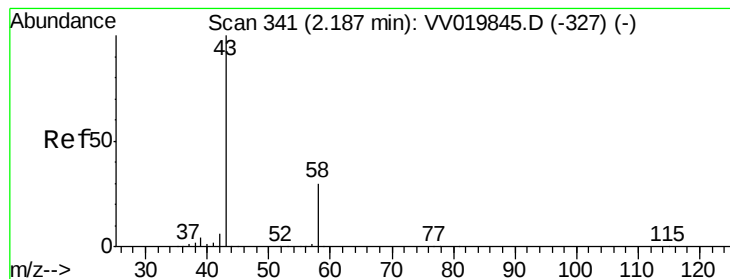


Abundance Ion 96.00 (95.70 to 96.70): VV019845.D (-308) (-)

Ion 61.00 (60.70 to 61.70): VV019845.D (-308) (-)

Ion 63.00 (62.70 to 63.70): VV019845.D (-308) (-)





#13

Acetone

Concen: 122.329 ug/L

RT: 2.19 min Scan# 341

Delta R.T. 0.00 min

Lab File: VV019845.D

Acq: 28 Dec 2020 11:56

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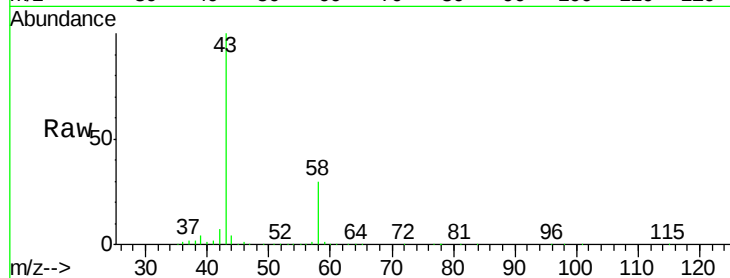
VSTD05063

Tgt Ion: 43 Resp: 270874

Ion Ratio Lower Upper

43 100

58 30.1 0.0 60.2



Abundance Ion 43.00 (42.70 to 43.70): VV019845.D (-327) (-)

Ion 58.00 (57.70 to 58.70): VV019845.D (-327) (-)

2.19

120000

100000

80000

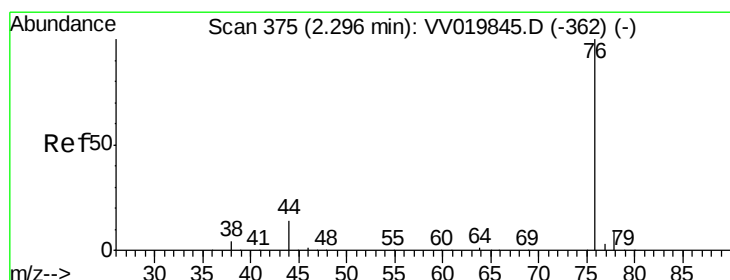
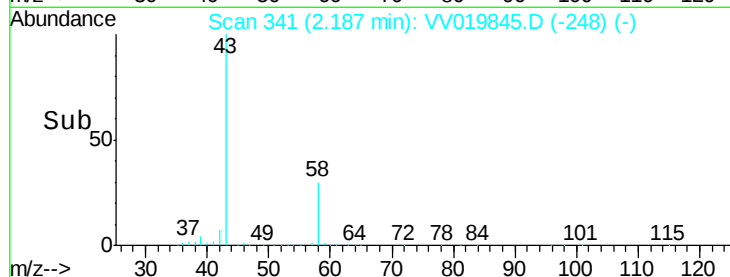
60000

40000

20000

0

Time-->



#14

Carbon disulfide

Concen: 51.105 ug/L

RT: 2.30 min Scan# 375

Delta R.T. 0.00 min

Lab File: VV019845.D

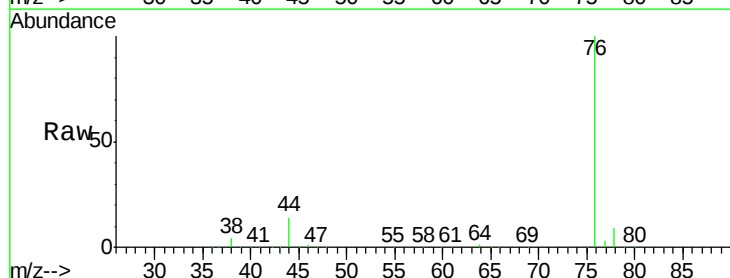
Acq: 28 Dec 2020 11:56

Tgt Ion: 76 Resp: 617868

Ion Ratio Lower Upper

76 100

78 9.0 7.2 10.8



Abundance Ion 76.00 (75.70 to 76.70): VV019845.D (-362) (-)

Ion 78.00 (77.70 to 78.70): VV019845.D (-362) (-)

2.30

400000

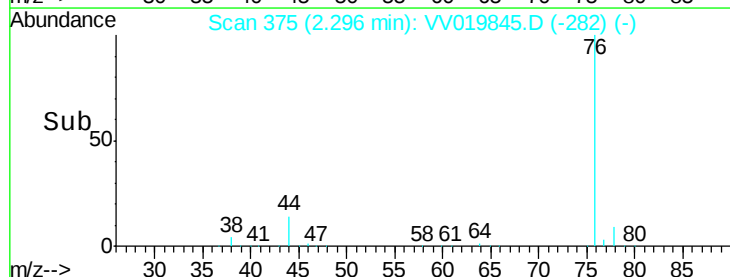
300000

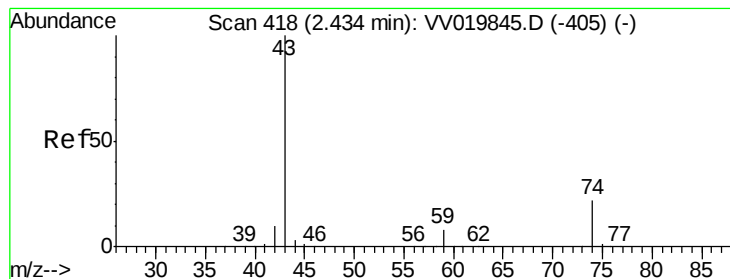
200000

100000

0

Time-->





#15

Methyl Acetate

Concen: 58.769 ug/L

RT: 2.43 min Scan# 418

Delta R.T. 0.00 min

Lab File: VV019845.D

Acq: 28 Dec 2020 11:56

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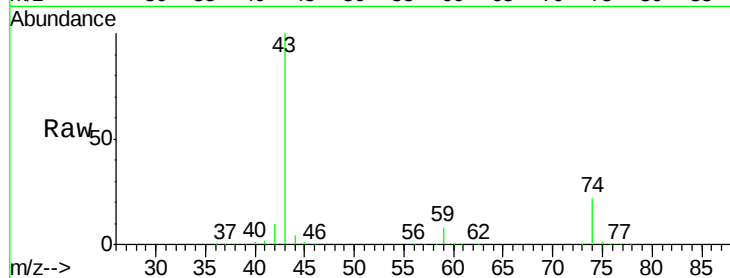
VSTD05063

Tgt Ion: 43 Resp: 276324

Ion Ratio Lower Upper

43 100

74 22.0 17.6 26.4



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 74.00 (73.70 to 74.70): VV0

2.43

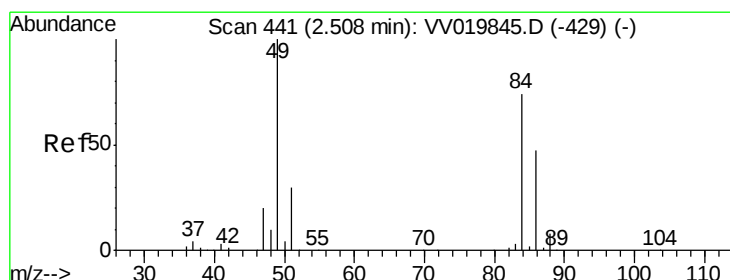
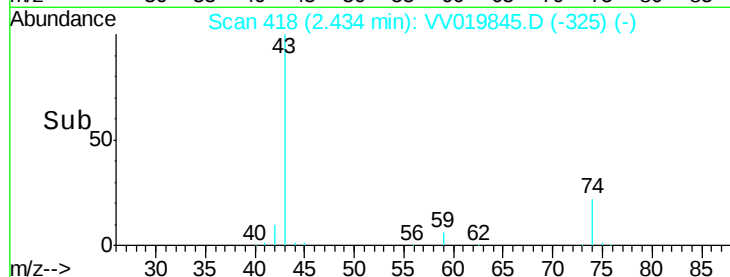
150000

100000

50000

0

Time-->



#16

Methylene chloride

Concen: 53.729 ug/L

RT: 2.51 min Scan# 441

Delta R.T. 0.00 min

Lab File: VV019845.D

Acq: 28 Dec 2020 11:56

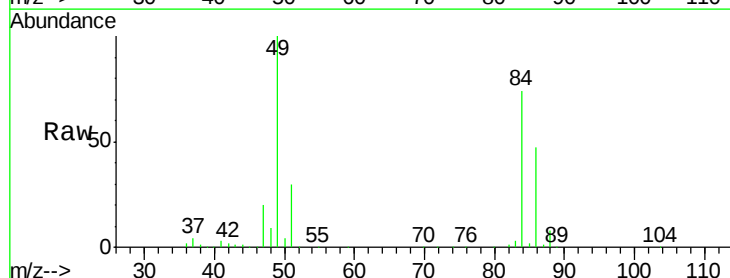
Tgt Ion: 84 Resp: 238132

Ion Ratio Lower Upper

84 100

86 63.7 44.6 82.8

49 135.2 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

250000

200000

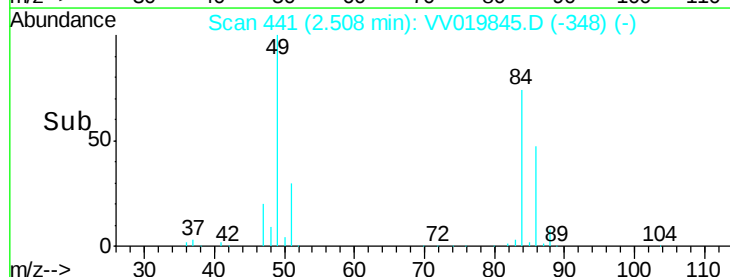
150000

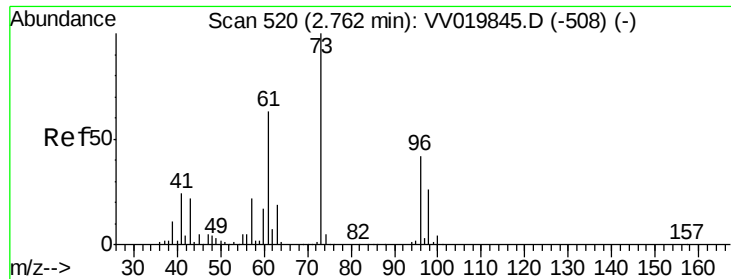
100000

50000

0

Time-->





#17

trans-1,2-Dichloroethene

Concen: 52.700 ug/L

RT: 2.76 min Scan# 520

Delta R.T. 0.00 min

Lab File: VV019845.D

Acq: 28 Dec 2020 11:56

Instrument :

MSVOA_V

ClientSampleId :

VSTD05063

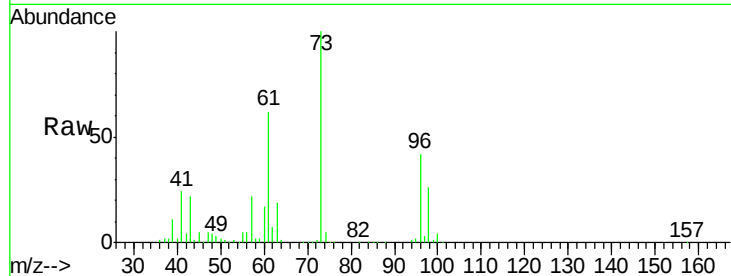
Tgt Ion: 96 Resp: 215169

Ion Ratio Lower Upper

96 100

61 147.3 103.1 191.5

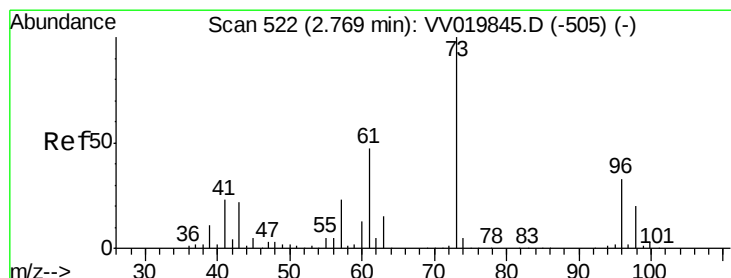
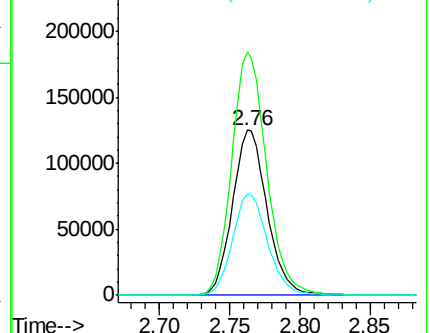
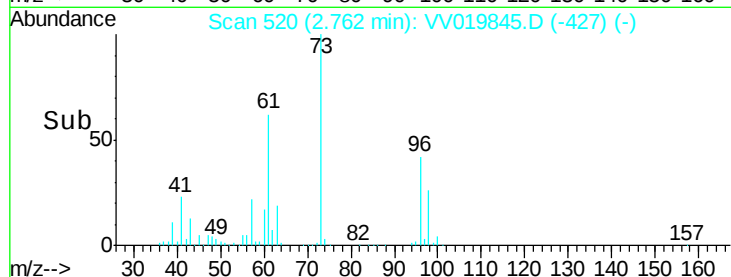
98 61.6 43.1 80.1



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: 51.069 ug/L

RT: 2.77 min Scan# 522

Delta R.T. 0.00 min

Lab File: VV019845.D

Acq: 28 Dec 2020 11:56

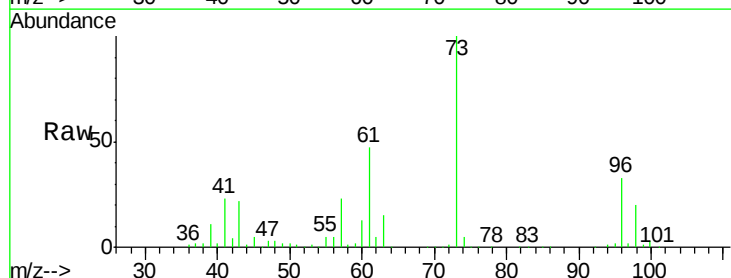
Tgt Ion: 73 Resp: 726051

Ion Ratio Lower Upper

73 100

43 21.6 17.3 25.9

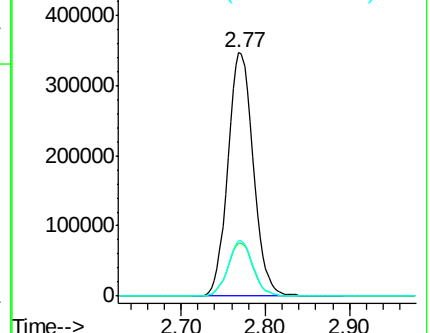
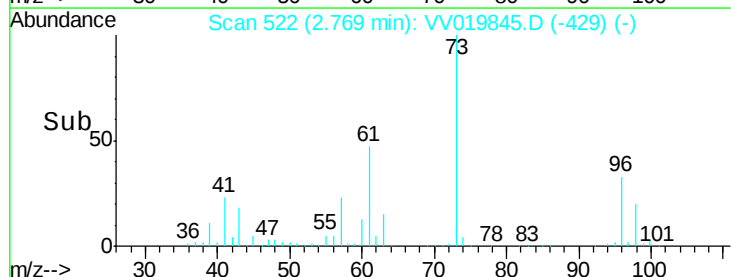
57 22.4 17.9 26.9

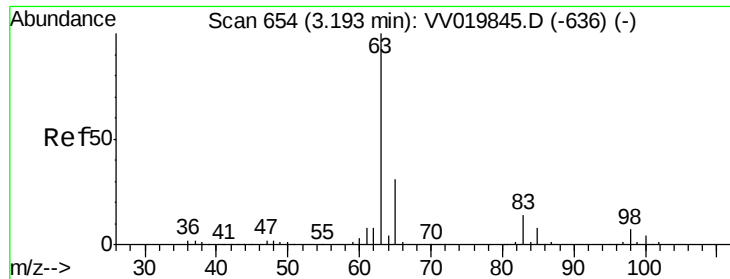


Abundance Ion 73.00 (72.70 to 73.70): VV0

Ion 43.00 (42.70 to 43.70): VV0

Ion 57.00 (56.70 to 57.70): VV0

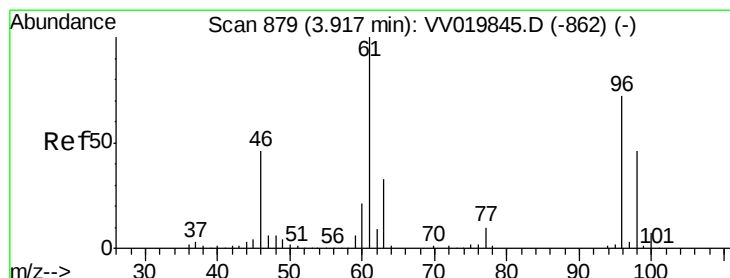
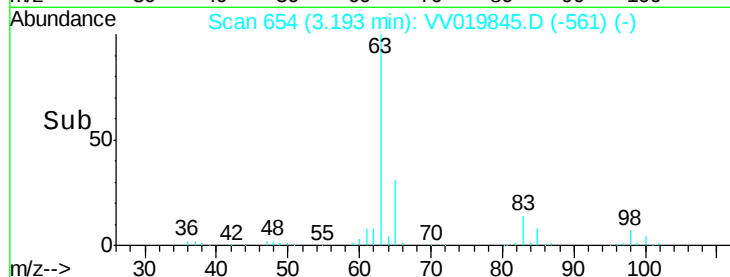
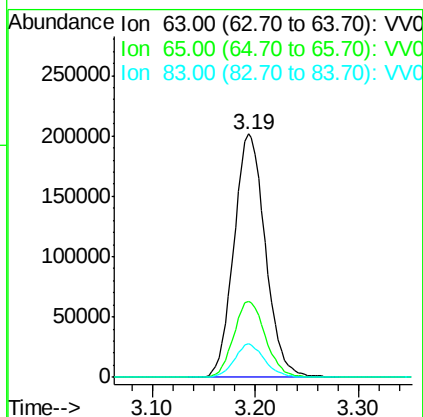
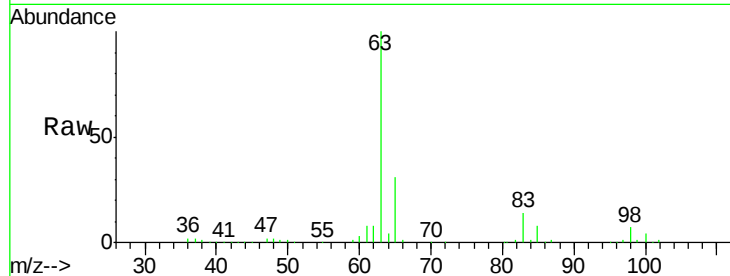




#19
 1,1-Dichloroethane
 Concen: 53.465 ug/L
 RT: 3.19 min Scan# 654
 Delta R.T. 0.00 min
 Lab File: VV019845.D
 Acq: 28 Dec 2020 11:56

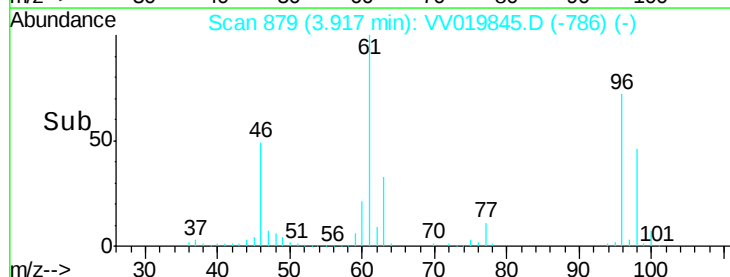
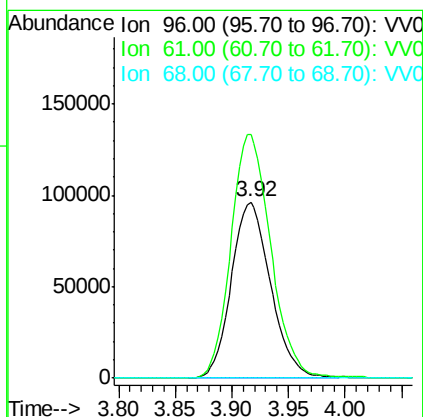
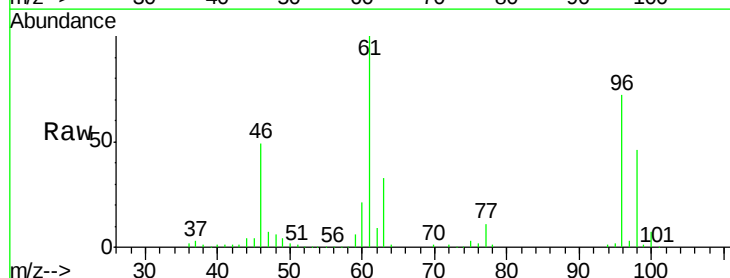
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05063

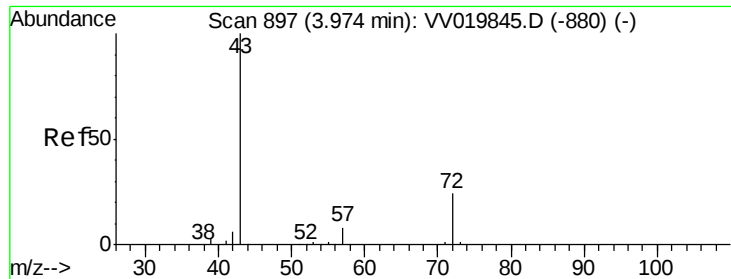
Tgt Ion: 63 Resp: 427634
 Ion Ratio Lower Upper
 63 100
 65 31.3 21.9 40.7
 83 13.6 9.5 17.7



#20
 cis-1,2-Dichloroethene
 Concen: 51.870 ug/L
 RT: 3.92 min Scan# 879
 Delta R.T. 0.00 min
 Lab File: VV019845.D
 Acq: 28 Dec 2020 11:56

Tgt Ion: 96 Resp: 232459
 Ion Ratio Lower Upper
 96 100
 61 138.4 96.9 179.9
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 121.904 ug/L

RT: 3.97 min Scan# 897

Delta R.T. 0.00 min

Lab File: VV019845.D

Acq: 28 Dec 2020 11:56

Instrument :

MSVOA_V

ClientSampleId :

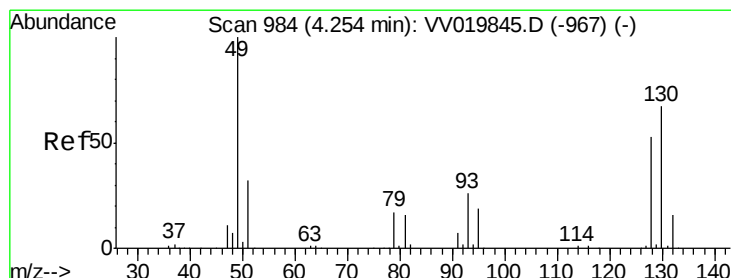
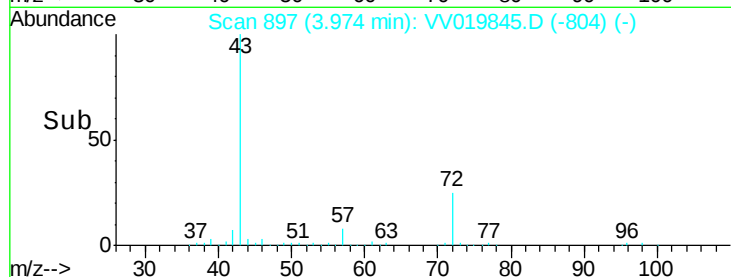
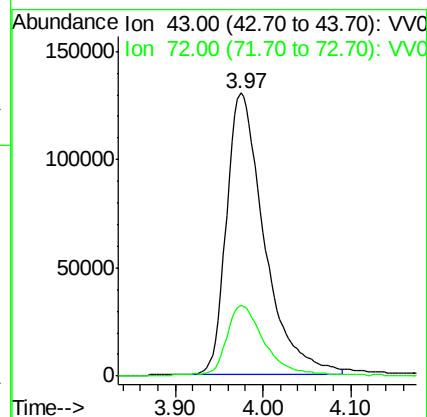
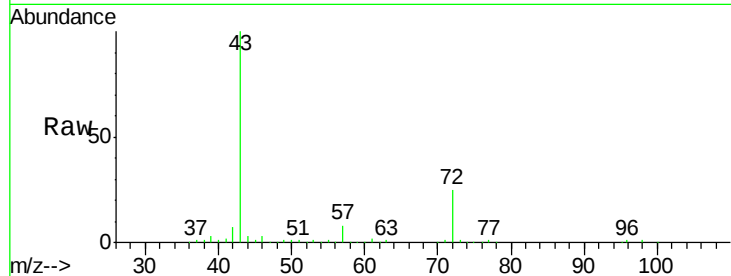
VSTD05063

Tgt Ion: 43 Resp: 388974

Ion Ratio Lower Upper

43 100

72 24.4 12.2 36.6



#23

Bromochloromethane

Concen: 52.134 ug/L

RT: 4.25 min Scan# 984

Delta R.T. 0.00 min

Lab File: VV019845.D

Acq: 28 Dec 2020 11:56

Tgt Ion: 128 Resp: 115196

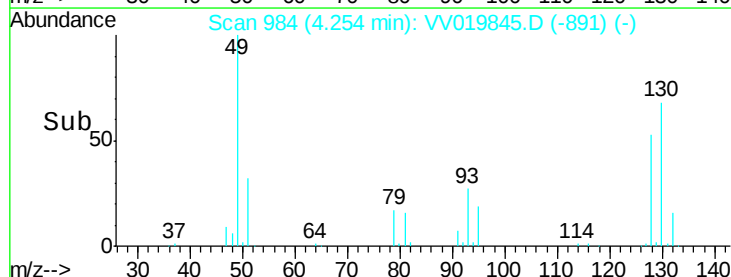
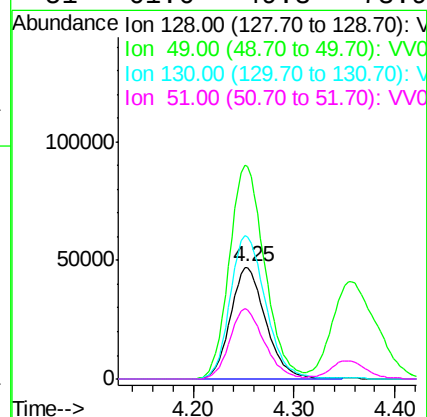
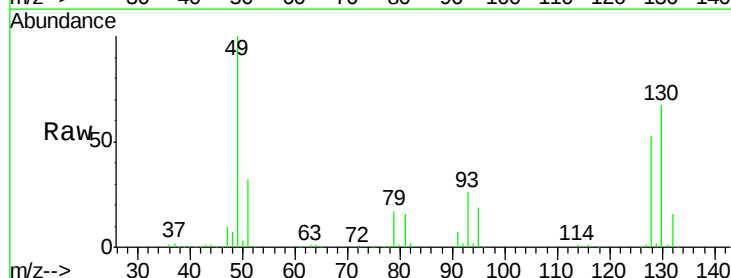
Ion Ratio Lower Upper

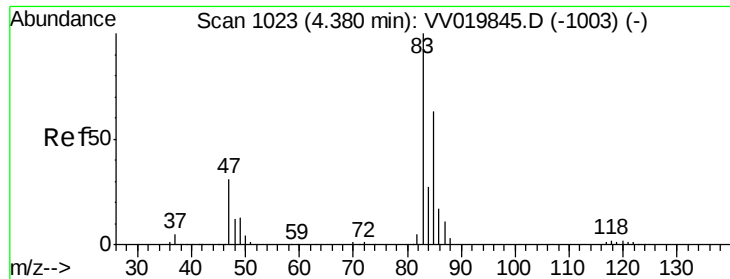
128 100

49 190.1 133.1 247.1

130 127.2 89.0 165.4

51 61.6 49.3 73.9

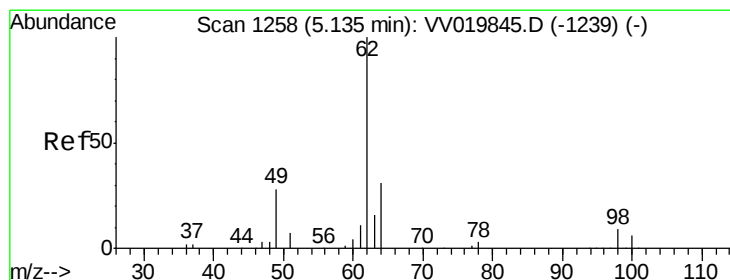
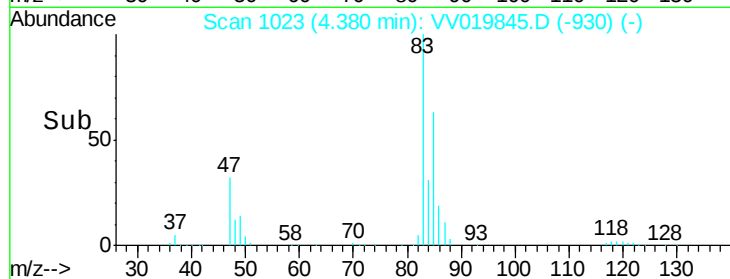
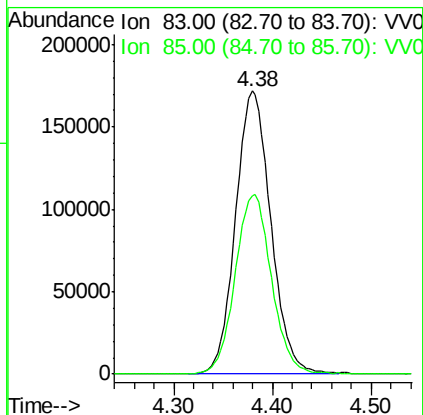
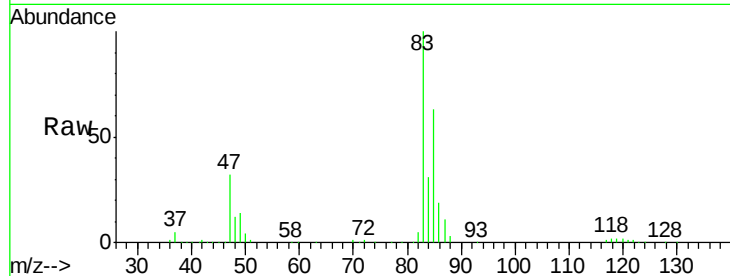




#25
Chloroform
Concen: 53.501 ug/L
RT: 4.38 min Scan# 1023
Delta R.T. 0.00 min
Lab File: VV019845.D
Acq: 28 Dec 2020 11:56

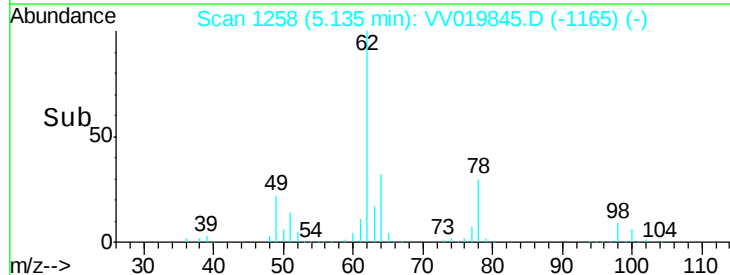
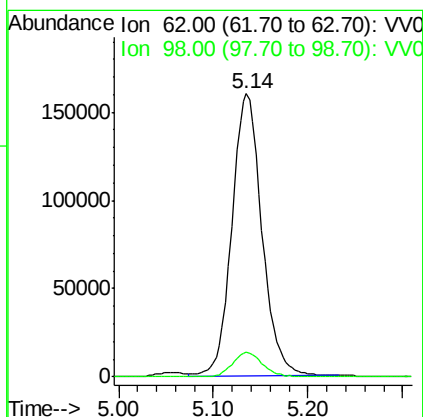
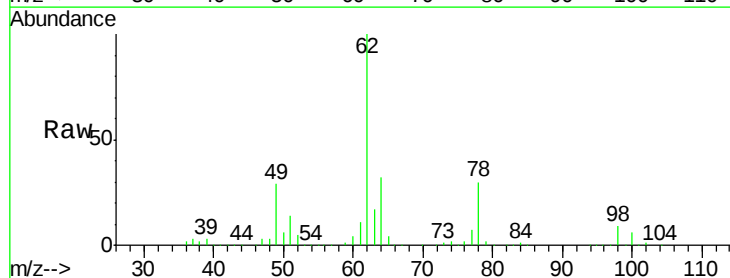
Instrument :
MSVOA_V
ClientSampleId :
VSTD05063

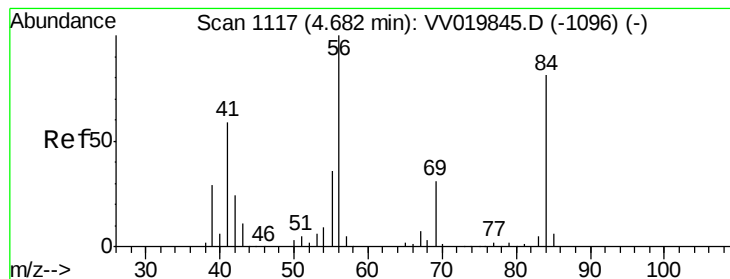
Tgt Ion: 83 Resp: 426951
Ion Ratio Lower Upper
83 100
85 63.2 44.2 82.2



#27
1,2-Dichloroethane
Concen: 53.438 ug/L
RT: 5.14 min Scan# 1258
Delta R.T. 0.00 min
Lab File: VV019845.D
Acq: 28 Dec 2020 11:56

Tgt Ion: 62 Resp: 353790
Ion Ratio Lower Upper
62 100
98 8.6 6.9 10.3





#29

Cyclohexane

Concen: 50.964 ug/L

RT: 4.68 min Scan# 1117

Delta R.T. 0.00 min

Lab File: VV019845.D

Acq: 28 Dec 2020 11:56

Instrument :

MSVOA_V

ClientSampleId :

VSTD05063

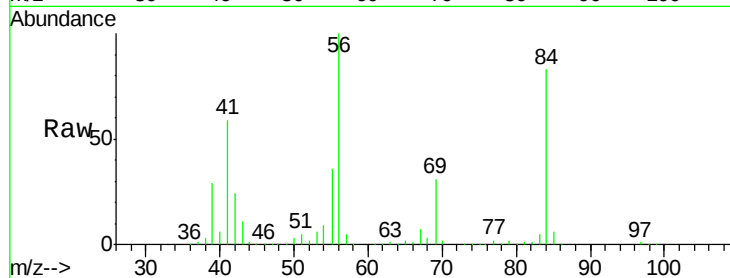
Tgt Ion: 56 Resp: 367120

Ion Ratio Lower Upper

56 100

69 30.2 24.2 36.2

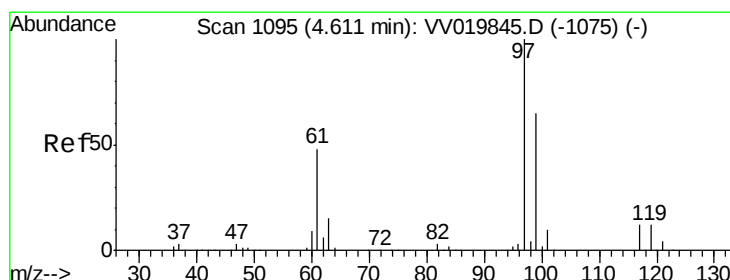
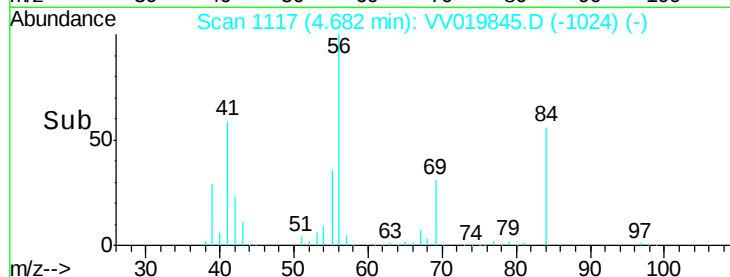
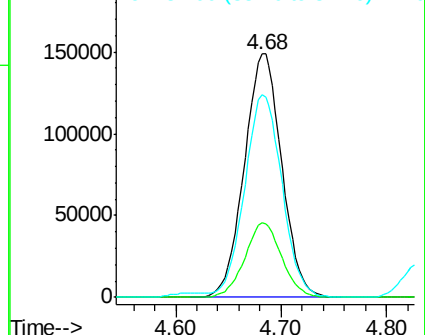
84 82.9 66.3 99.5



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: 49.500 ug/L

RT: 4.61 min Scan# 1095

Delta R.T. 0.00 min

Lab File: VV019845.D

Acq: 28 Dec 2020 11:56

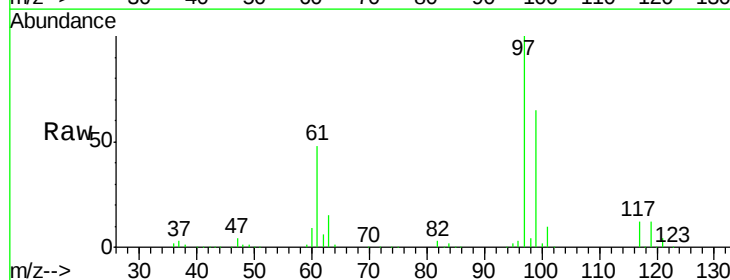
Tgt Ion: 97 Resp: 366089

Ion Ratio Lower Upper

97 100

99 64.0 51.2 76.8

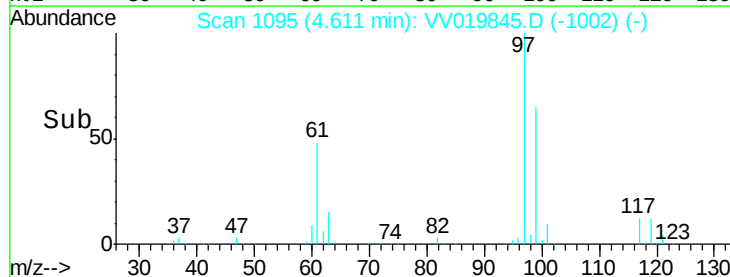
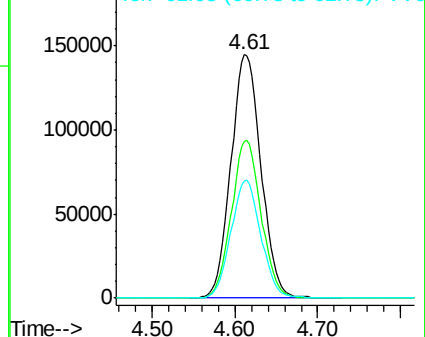
61 48.1 38.5 57.7

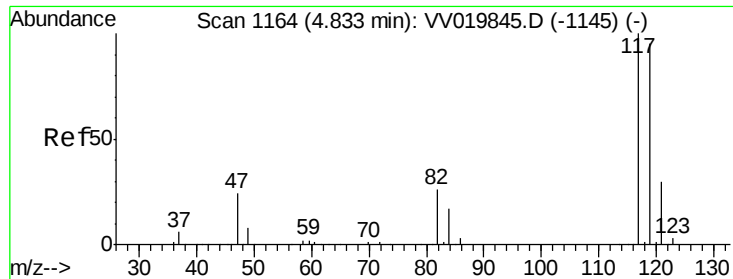


Abundance Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

Ion 61.05 (60.75 to 61.75): VV0





#31

Carbon tetrachloride

Concen: 48.912 ug/L

RT: 4.83 min Scan# 1164

Delta R.T. 0.00 min

Lab File: VV019845.D

Acq: 28 Dec 2020 11:56

Instrument :

MSVOA_V

ClientSampleId :

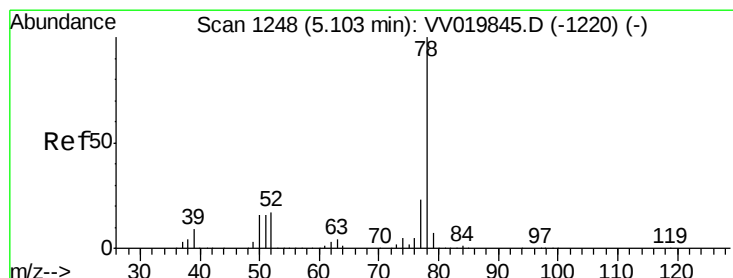
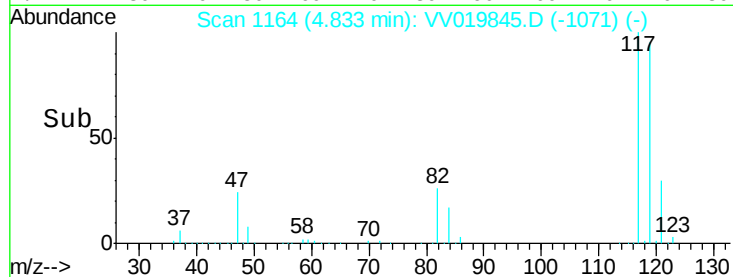
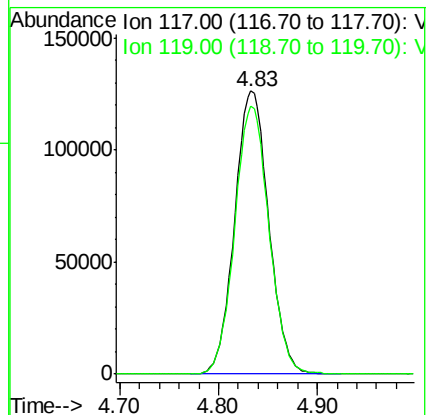
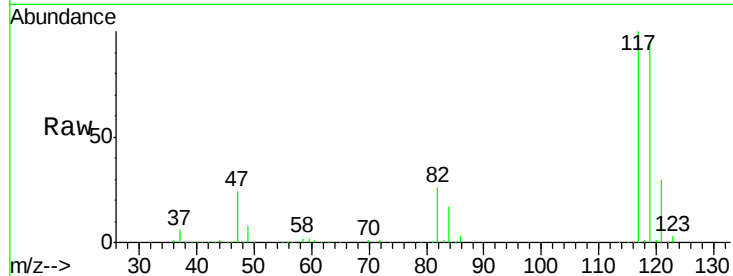
VSTD05063

Tgt Ion:117 Resp: 303251

Ion Ratio Lower Upper

117 100

119 95.4 76.3 114.5



#33

Benzene

Concen: 52.293 ug/L

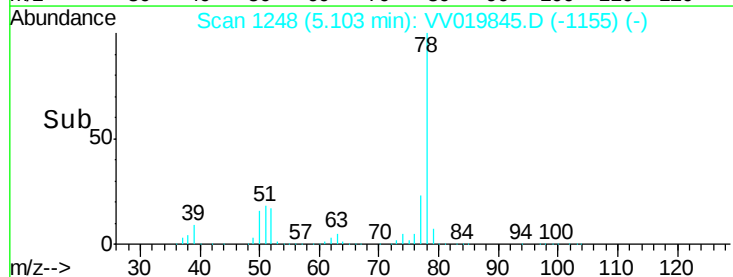
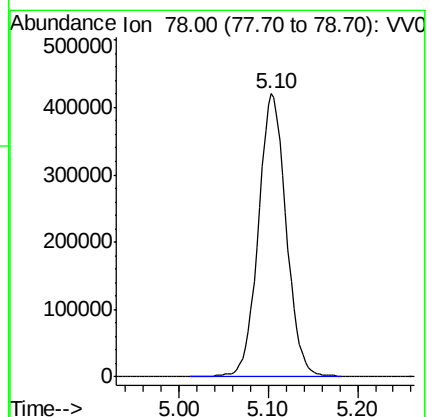
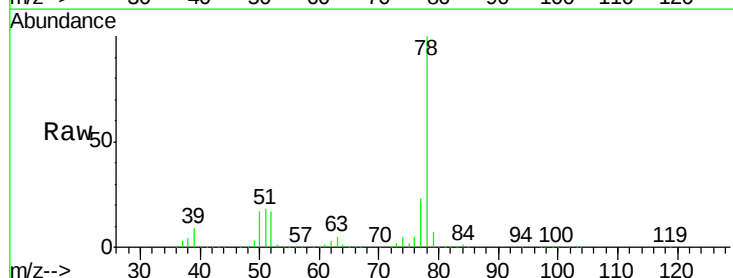
RT: 5.10 min Scan# 1248

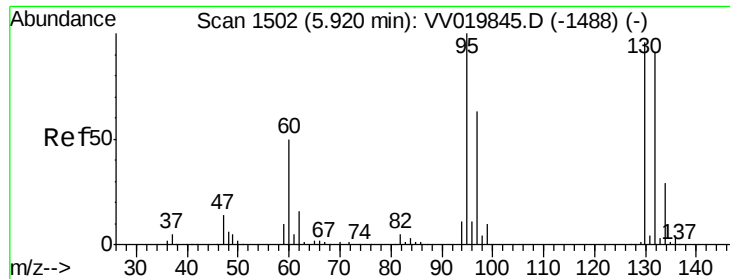
Delta R.T. 0.00 min

Lab File: VV019845.D

Acq: 28 Dec 2020 11:56

Tgt Ion: 78 Resp: 915762

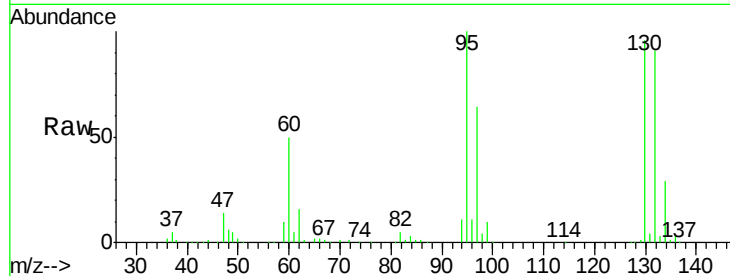




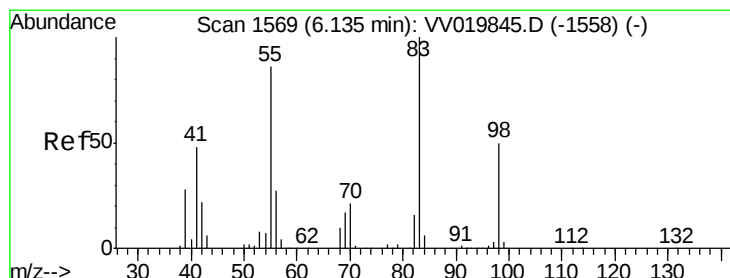
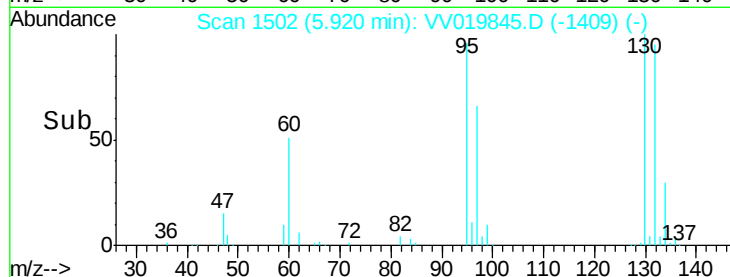
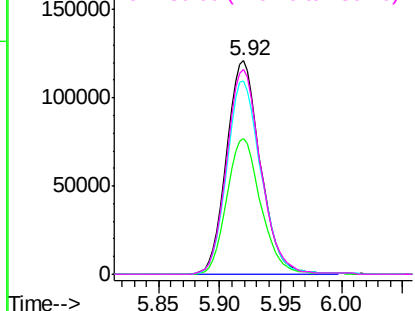
#34
 Trichloroethene
 Concen: 51.003 ug/L
 RT: 5.92 min Scan# 1502
 Delta R.T. 0.00 min
 Lab File: VV019845.D
 Acq: 28 Dec 2020 11:56

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05063

Tgt Ion: 95 Resp: 234430
 Ion Ratio Lower Upper
 95 100
 97 63.6 44.5 82.7
 132 90.6 63.4 117.8
 130 95.8 67.1 124.5

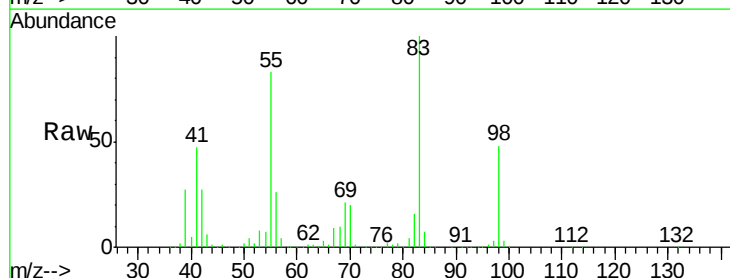


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 97.00 (96.70 to 97.70): VV0
 Ion 132.00 (131.70 to 132.70): VV0
 Ion 130.00 (129.70 to 130.70): VV0

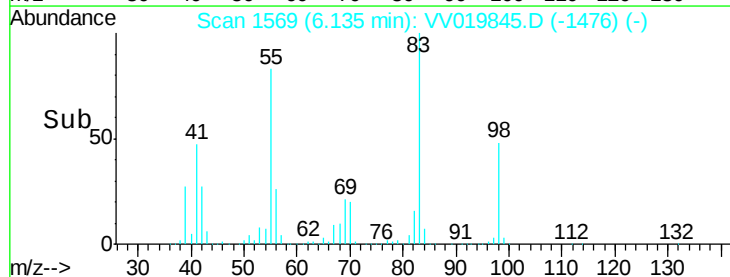
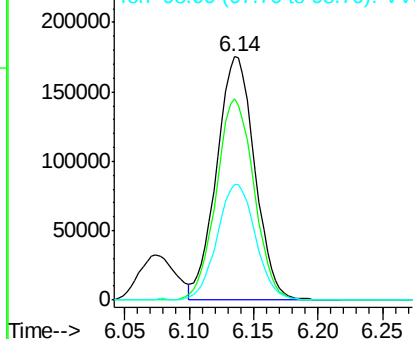


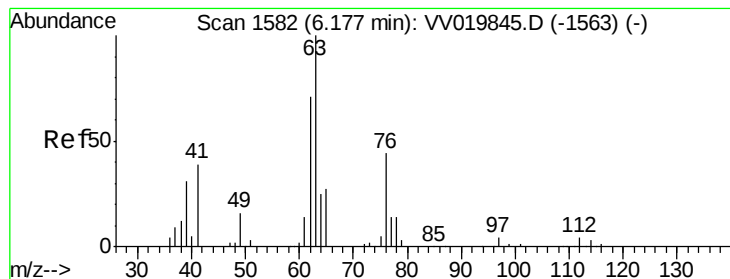
#35
 Methylcyclohexane
 Concen: 52.081 ug/L
 RT: 6.14 min Scan# 1569
 Delta R.T. 0.00 min
 Lab File: VV019845.D
 Acq: 28 Dec 2020 11:56

Tgt Ion: 83 Resp: 360600
 Ion Ratio Lower Upper
 83 100
 55 81.4 65.1 97.7
 98 47.7 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: 53.727 ug/L

RT: 6.18 min Scan# 1582

Delta R.T. 0.00 min

Lab File: VV019845.D

Acq: 28 Dec 2020 11:56

Instrument :

MSVOA_V

ClientSampleId :

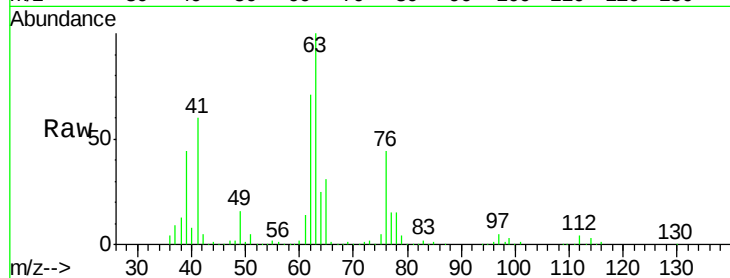
VSTD05063

Tgt Ion: 63 Resp: 246969

Ion Ratio Lower Upper

63 100

112 4.1 3.3 4.9



Abundance Ion 63.00 (62.70 to 63.70): VV019845.D (-1563) (-)

Ion 112.00 (111.70 to 112.70): VV019845.D (-1563) (-)

150000

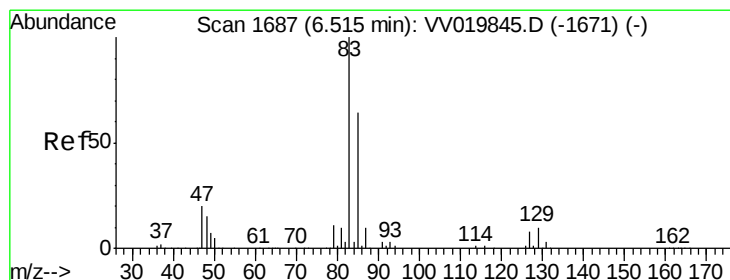
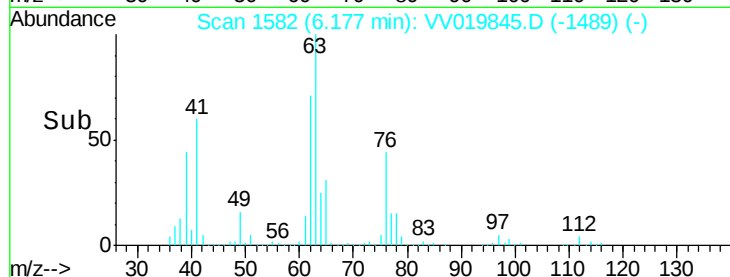
100000

50000

0

6.10 6.20 6.30

Time-->



#38

Bromodichloromethane

Concen: 50.559 ug/L

RT: 6.51 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VV019845.D

Acq: 28 Dec 2020 11:56

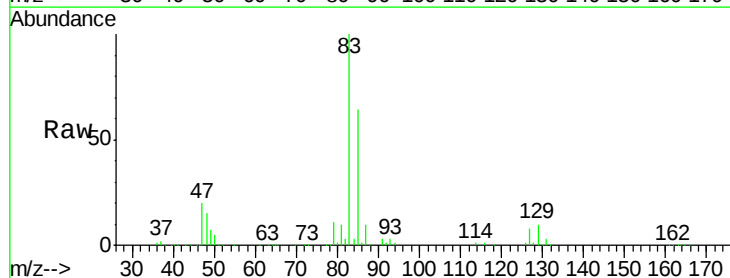
Tgt Ion: 83 Resp: 320807

Ion Ratio Lower Upper

83 100

85 63.6 44.5 82.7

127 7.9 6.3 9.5



Abundance Ion 83.00 (82.70 to 83.70): VV019845.D (-1671) (-)

Ion 85.00 (84.70 to 85.70): VV019845.D (-1671) (-)

Ion 127.00 (126.70 to 127.70): VV019845.D (-1671) (-)

200000

150000

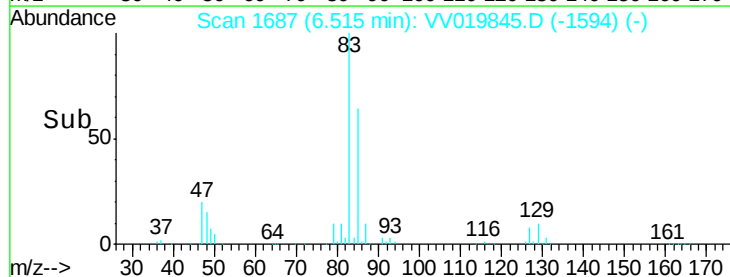
100000

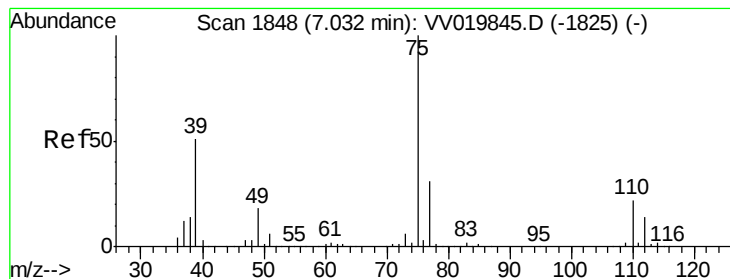
50000

0

6.40 6.50 6.60

Time-->





#39

cis-1,3-Dichloropropene

Concen: 51.114 ug/L

RT: 7.03 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VV019845.D

Acq: 28 Dec 2020 11:56

Instrument :

MSVOA_V

ClientSampleId :

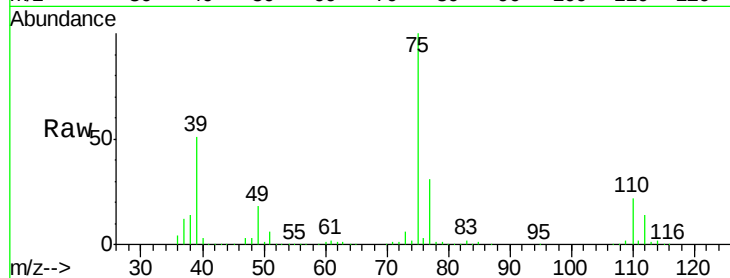
VSTD05063

Tgt Ion: 75 Resp: 385692

Ion Ratio Lower Upper

75 100

77 31.2 21.8 40.6



Abundance Ion 75.00 (74.70 to 75.70): VV019845.D (-1825) (-)

Ion 77.00 (76.70 to 77.70): VV019845.D (-1825) (-)

7.03

250000

200000

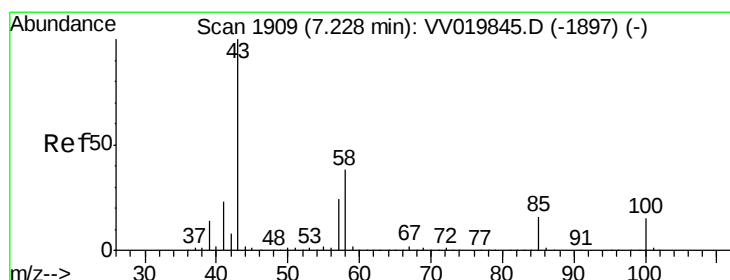
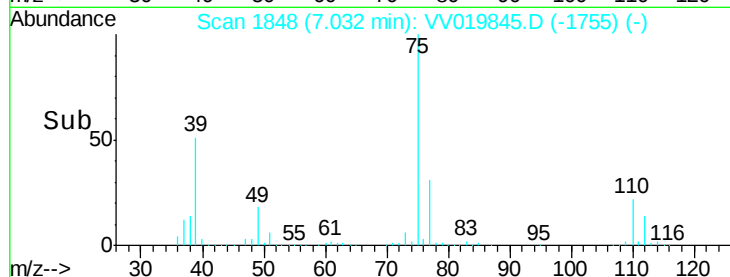
150000

100000

50000

0

Time--> 6.90 7.00 7.10



#40

4-Methyl-2-pentanone

Concen: 112.165 ug/L

RT: 7.23 min Scan# 1909

Delta R.T. 0.00 min

Lab File: VV019845.D

Acq: 28 Dec 2020 11:56

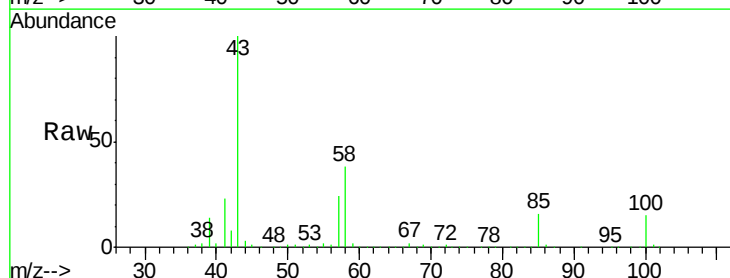
Tgt Ion: 43 Resp: 758614

Ion Ratio Lower Upper

43 100

58 38.4 30.7 46.1

100 14.5 11.6 17.4



Abundance Ion 43.00 (42.70 to 43.70): VV019845.D (-1897) (-)

Ion 58.00 (57.70 to 58.70): VV019845.D (-1897) (-)

Ion 100.00 (99.70 to 100.70): VV019845.D (-1897) (-)

7.23

600000

500000

400000

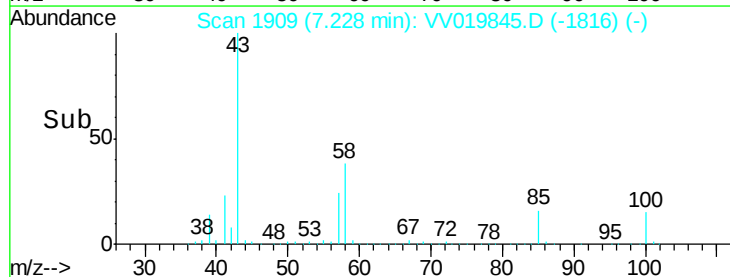
300000

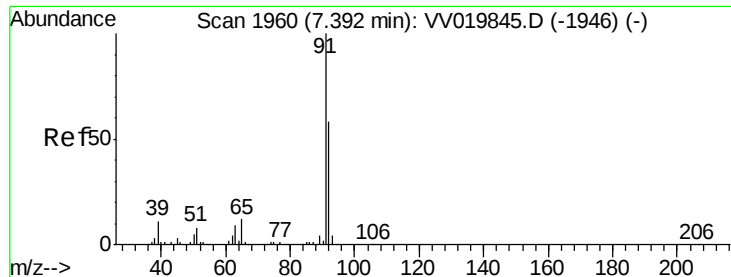
200000

100000

0

Time--> 7.15 7.20 7.25 7.30





#42

Toluene

Concen: 51.537 ug/L

RT: 7.39 min Scan# 1960

Delta R.T. 0.00 min

Lab File: VV019845.D

Acq: 28 Dec 2020 11:56

Instrument :

MSVOA_V

ClientSampleId :

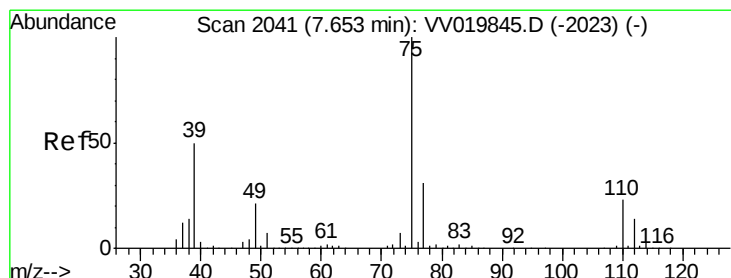
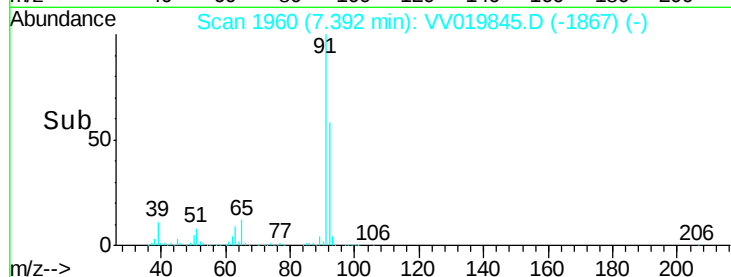
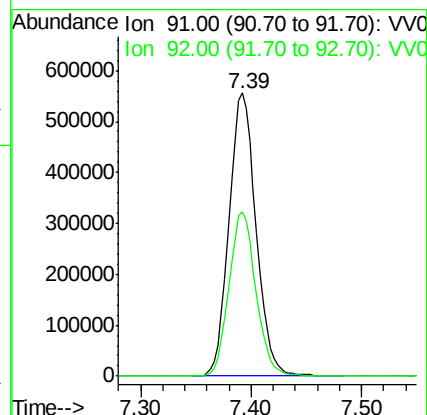
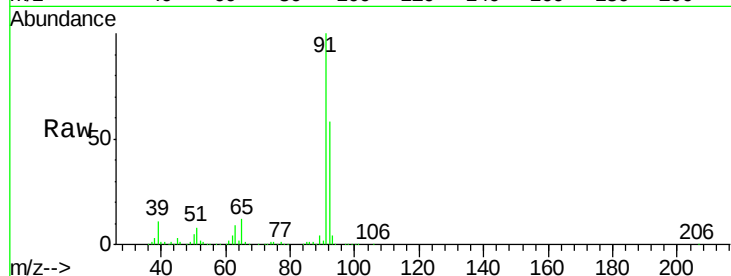
VSTD05063

Tgt Ion: 91 Resp: 945129

Ion Ratio Lower Upper

91 100

92 58.2 40.7 75.7



#44

trans-1,3-Dichloropropene

Concen: 49.201 ug/L

RT: 7.65 min Scan# 2041

Delta R.T. 0.00 min

Lab File: VV019845.D

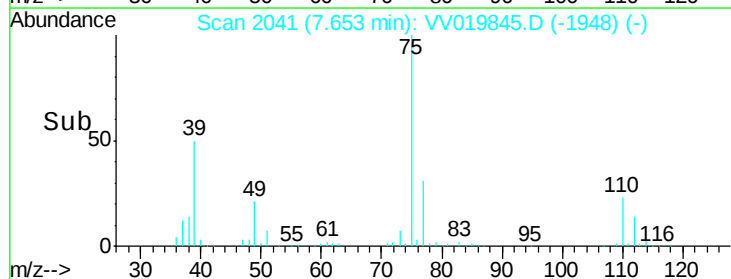
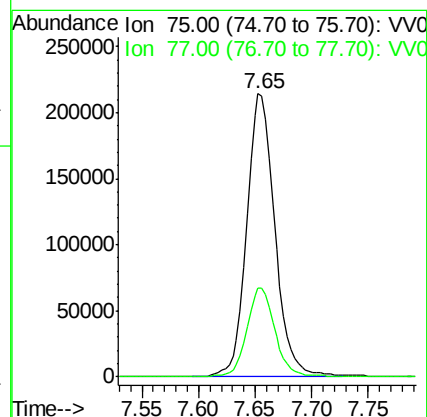
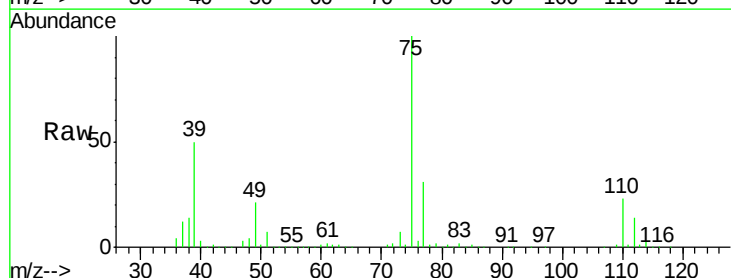
Acq: 28 Dec 2020 11:56

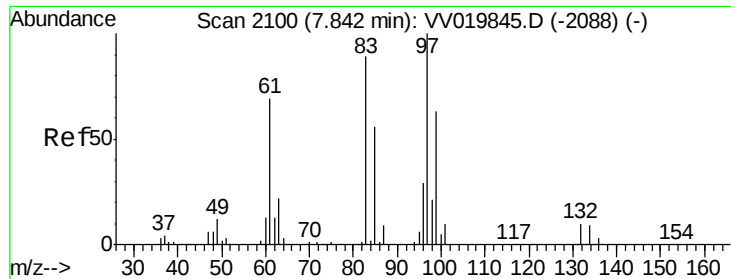
Tgt Ion: 75 Resp: 372769

Ion Ratio Lower Upper

75 100

77 31.5 22.0 41.0





#45

1,1,2-Trichloroethane

Concen: 51.410 ug/L

RT: 7.84 min Scan# 2100

Delta R.T. 0.00 min

Lab File: VV019845.D

Acq: 28 Dec 2020 11:56

Instrument :

MSVOA_V

ClientSampleId :

VSTD05063

Tgt Ion: 97 Resp: 222996

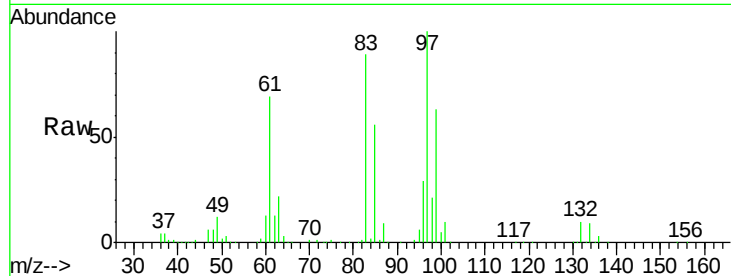
Ion Ratio Lower Upper

97 100

99 62.5 43.8 81.3

83 88.8 62.2 115.4

85 55.7 39.0 72.4

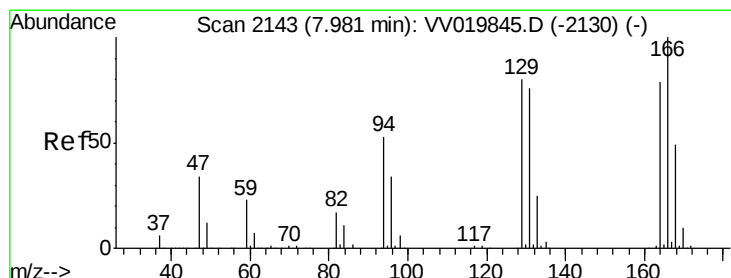
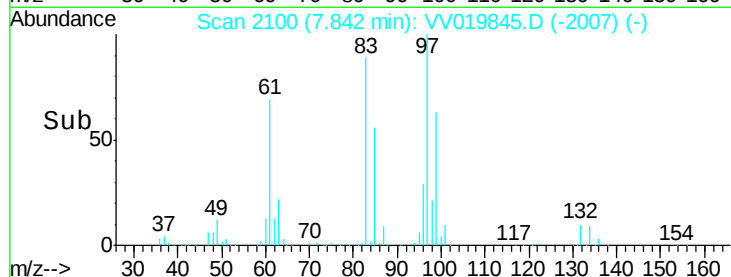
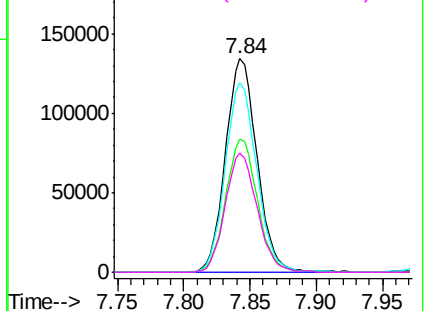


Abundance Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0



#46

Tetrachloroethene

Concen: 50.187 ug/L

RT: 7.98 min Scan# 2143

Delta R.T. 0.00 min

Lab File: VV019845.D

Acq: 28 Dec 2020 11:56

Tgt Ion: 164 Resp: 157785

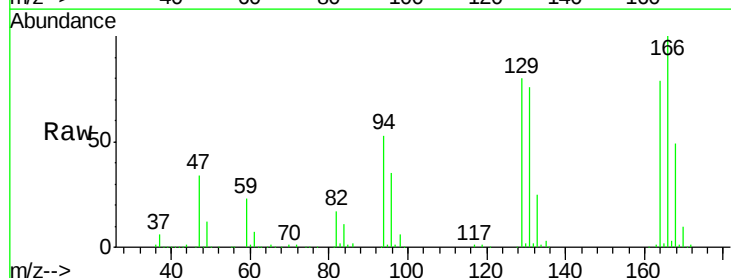
Ion Ratio Lower Upper

164 100

129 100.8 70.6 131.0

131 95.4 66.8 124.0

166 126.0 88.2 163.8

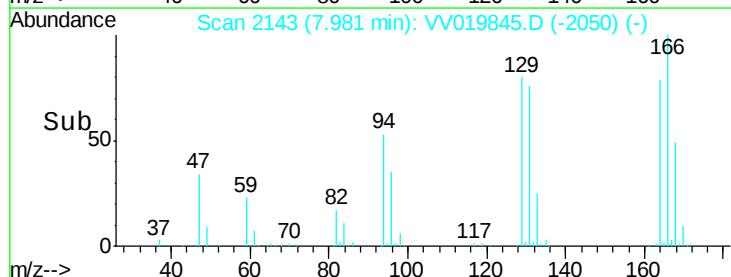
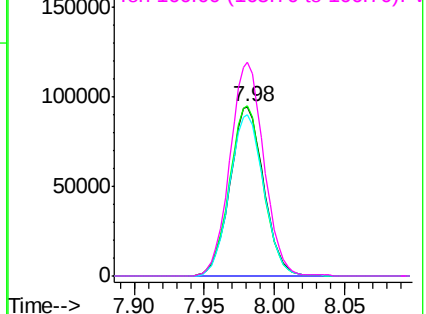


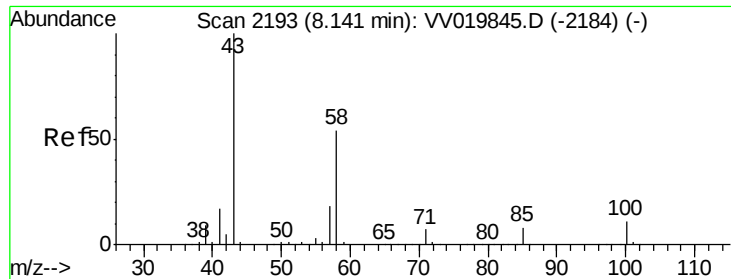
Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

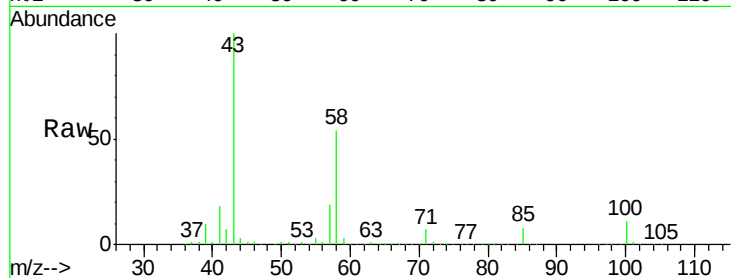




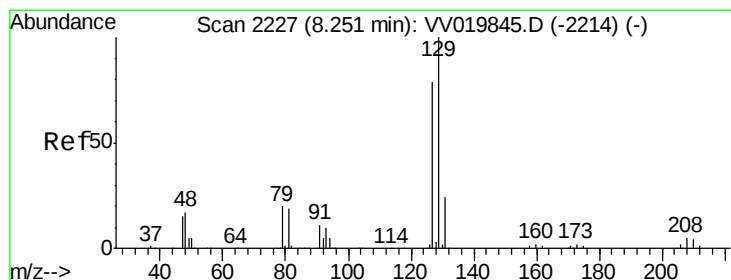
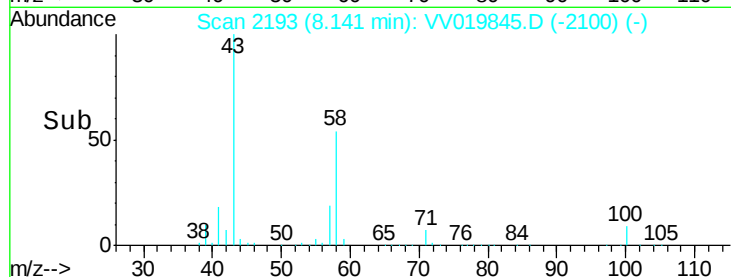
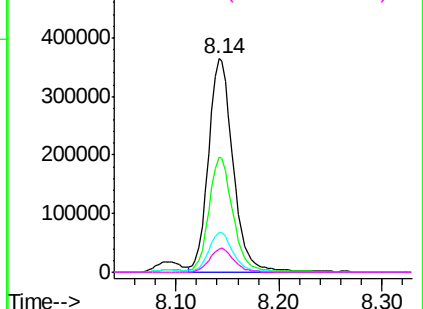
#48
2-Hexanone
Concen: 115.230 ug/L
RT: 8.14 min Scan# 2193
Delta R.T. 0.00 min
Lab File: VV019845.D
Acq: 28 Dec 2020 11:56

Instrument :
MSVOA_V
ClientSampleId :
VSTD05063

Tgt Ion: 43 Resp: 597086
Ion Ratio Lower Upper
43 100
58 52.2 41.8 62.6
57 18.7 15.0 22.4
100 11.1 8.9 13.3

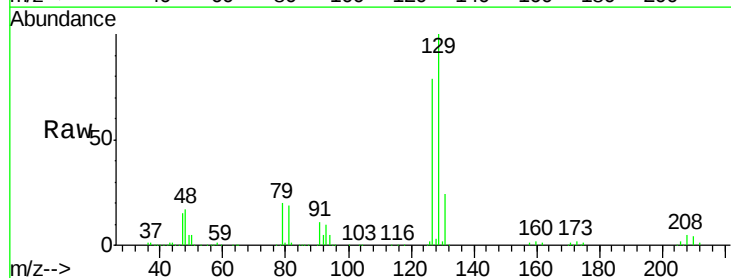


Abundance Ion 43.00 (42.70 to 43.70): VV019845.D (-2184) (-)
Ion 58.00 (57.70 to 58.70): VV019845.D (-2184) (-)
Ion 57.00 (56.70 to 57.70): VV019845.D (-2184) (-)
Ion 100.00 (99.70 to 100.70): VV019845.D (-2184) (-)

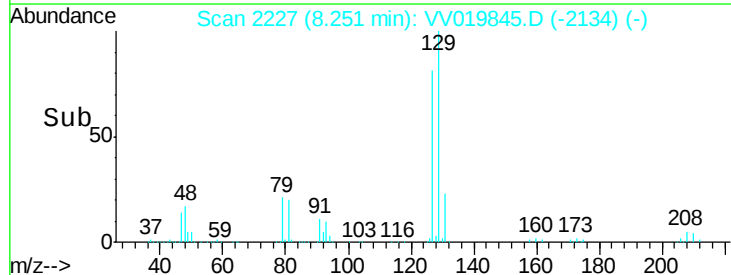
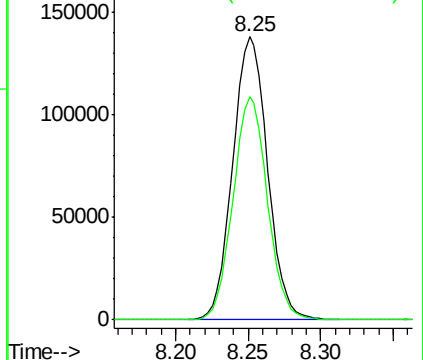


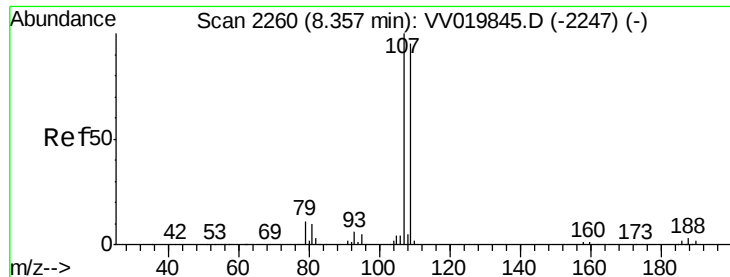
#49
Dibromochloromethane
Concen: 49.184 ug/L
RT: 8.25 min Scan# 2227
Delta R.T. 0.00 min
Lab File: VV019845.D
Acq: 28 Dec 2020 11:56

Tgt Ion: 129 Resp: 229908
Ion Ratio Lower Upper
129 100
127 78.9 55.2 102.6



Abundance Ion 129.00 (128.70 to 129.70): VV019845.D (-2214) (-)
Ion 127.00 (126.70 to 127.70): VV019845.D (-2214) (-)

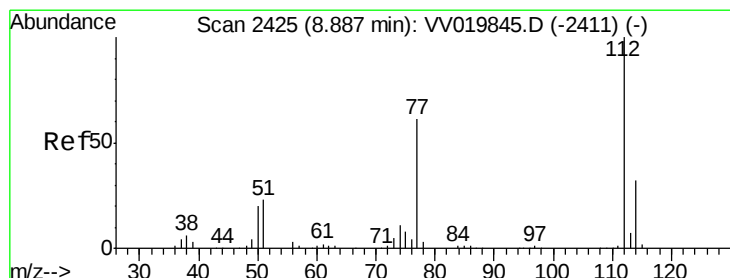
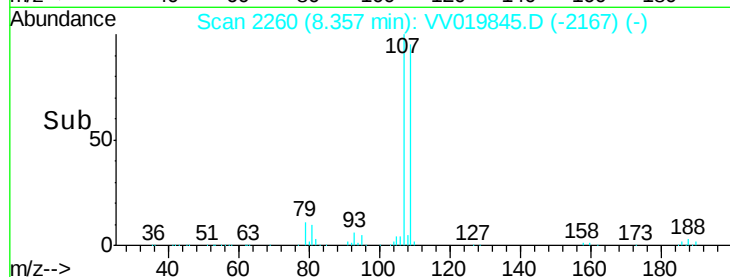
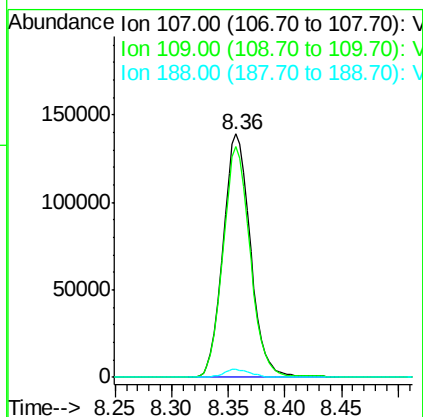
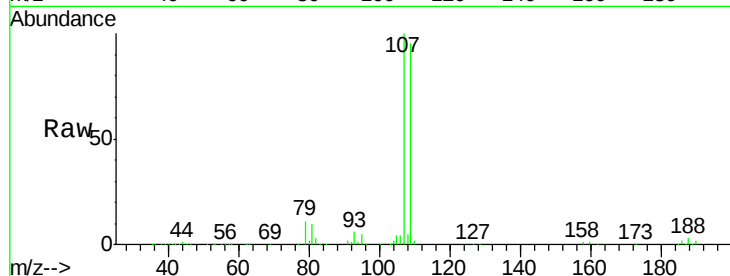




#50
1,2-Dibromoethane
Concen: 51.589 ug/L
RT: 8.36 min Scan# 2260
Delta R.T. 0.00 min
Lab File: VV019845.D
Acq: 28 Dec 2020 11:56

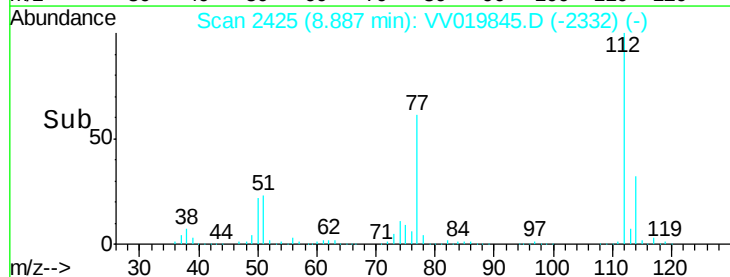
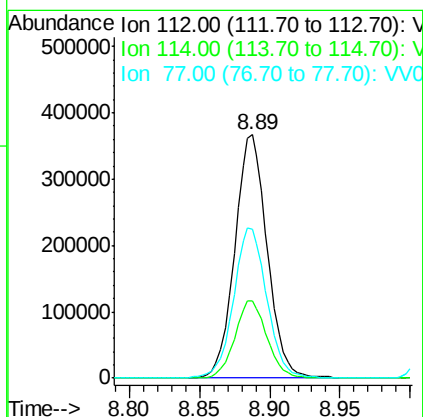
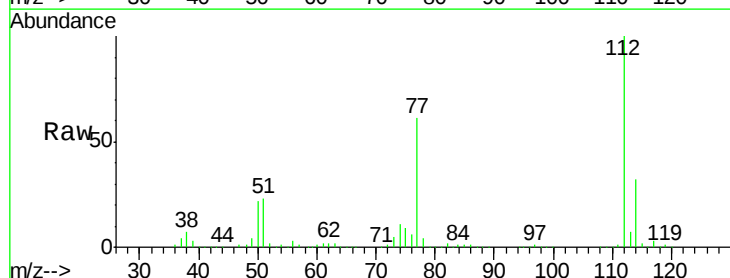
Instrument :
MSVOA_V
ClientSampleId :
VSTD05063

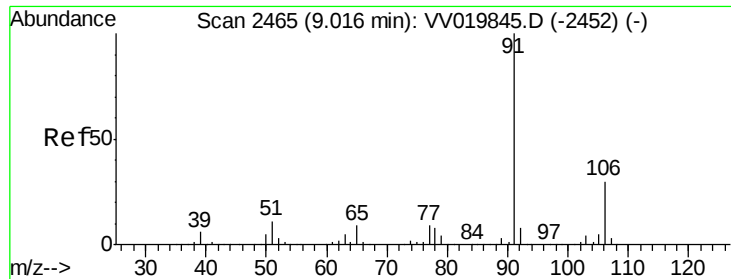
Tgt Ion:107 Resp: 234739
Ion Ratio Lower Upper
107 100
109 94.6 66.2 123.0
188 3.2 2.6 3.8



#51
Chlorobenzene
Concen: 50.504 ug/L
RT: 8.89 min Scan# 2425
Delta R.T. 0.00 min
Lab File: VV019845.D
Acq: 28 Dec 2020 11:56

Tgt Ion:112 Resp: 589642
Ion Ratio Lower Upper
112 100
114 31.7 22.2 41.2
77 61.3 49.0 73.6





#52

Ethylbenzene

Concen: 50.478 ug/L

RT: 9.02 min Scan# 2465

Delta R.T. 0.00 min

Lab File: VV019845.D

Acq: 28 Dec 2020 11:56

Instrument :

MSVOA_V

ClientSampleId :

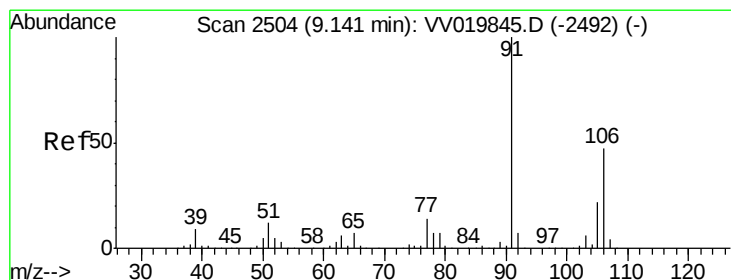
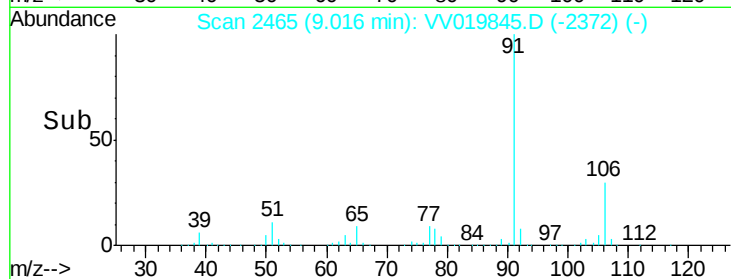
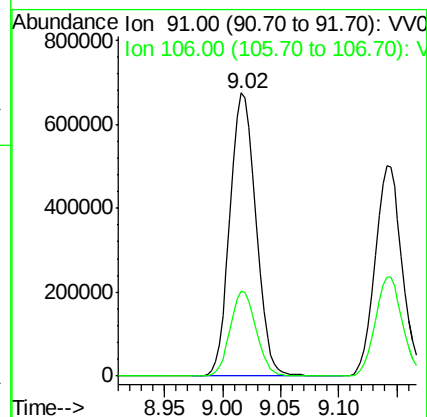
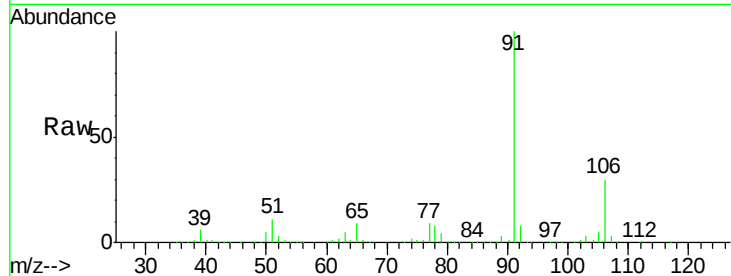
VSTD05063

Tgt Ion: 91 Resp: 1048306

Ion Ratio Lower Upper

91 100

106 30.0 21.0 39.0



#53

m,p-Xylene

Concen: 50.054 ug/L

RT: 9.14 min Scan# 2504

Delta R.T. 0.00 min

Lab File: VV019845.D

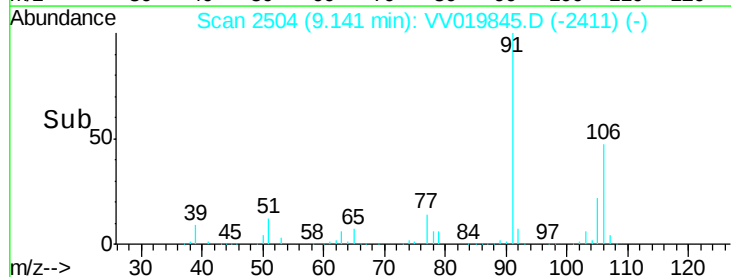
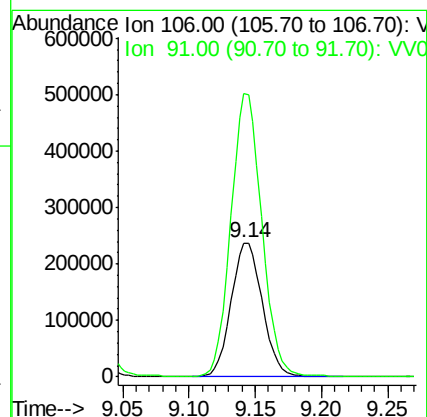
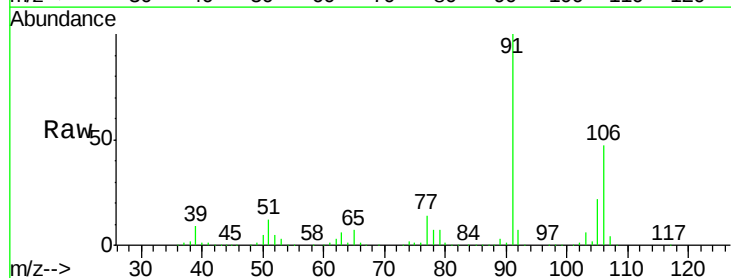
Acq: 28 Dec 2020 11:56

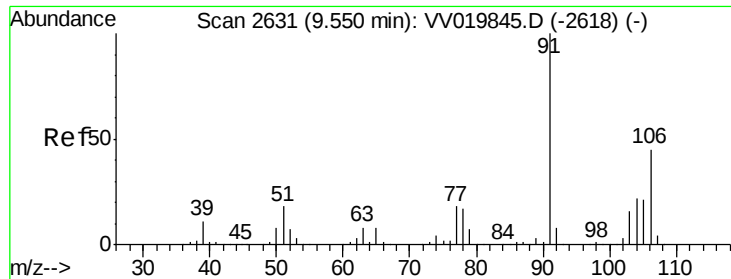
Tgt Ion: 106 Resp: 386415

Ion Ratio Lower Upper

106 100

91 211.5 148.1 275.0

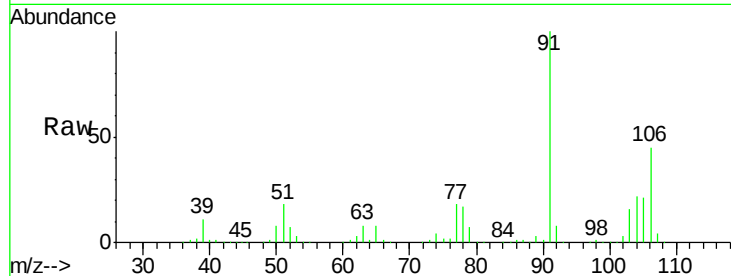




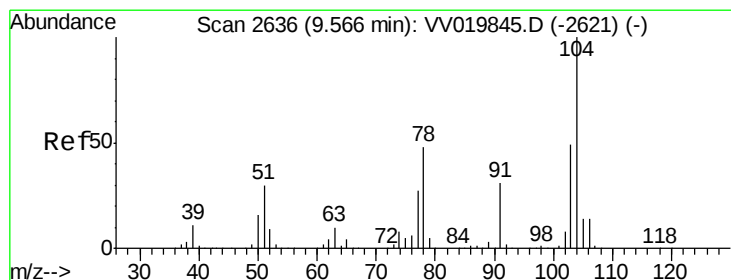
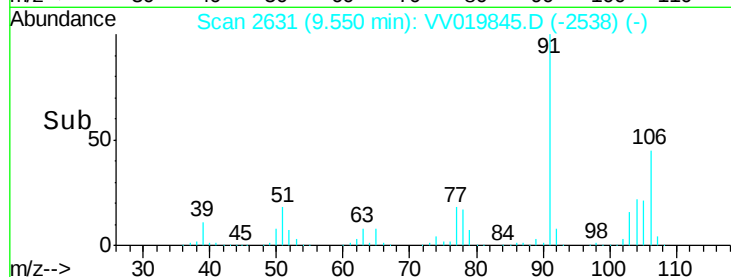
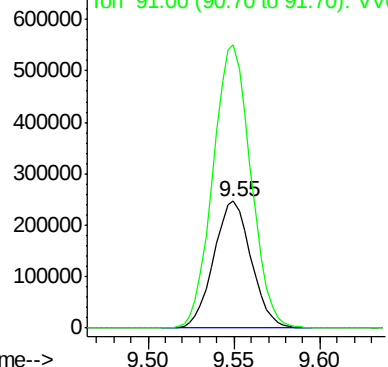
#54
o-xylene
Concen: 49.328 ug/L
RT: 9.55 min Scan# 2631
Delta R.T. 0.00 min
Lab File: VV019845.D
Acq: 28 Dec 2020 11:56

Instrument :
MSVOA_V
ClientSampleId :
VSTD05063

Tgt Ion:106 Resp: 373080
Ion Ratio Lower Upper
106 100
91 223.5 156.4 290.6

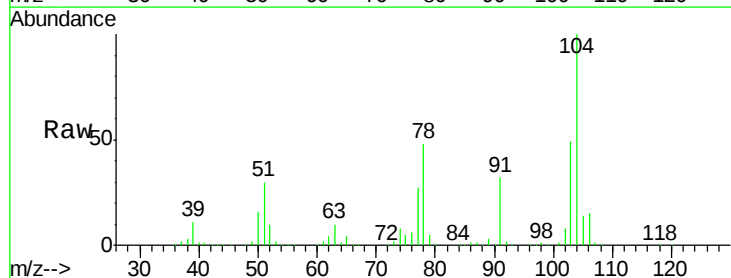


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0

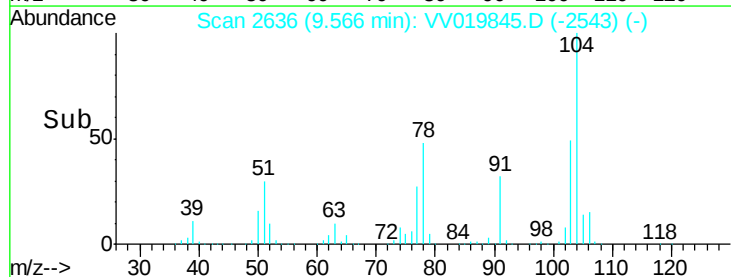
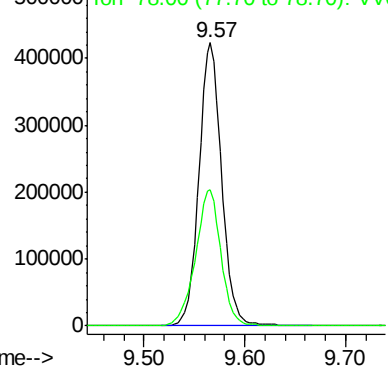


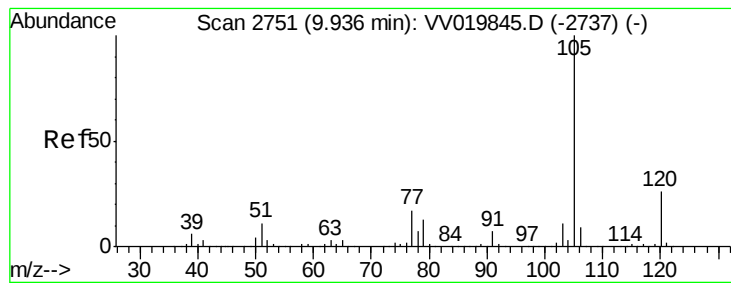
#55
Styrene
Concen: 50.377 ug/L
RT: 9.57 min Scan# 2636
Delta R.T. 0.00 min
Lab File: VV019845.D
Acq: 28 Dec 2020 11:56

Tgt Ion:104 Resp: 666213
Ion Ratio Lower Upper
104 100
78 48.1 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: 49.763 ug/L

RT: 9.94 min Scan# 2751

Delta R.T. 0.00 min

Lab File: VV019845.D

Acq: 28 Dec 2020 11:56

Instrument :

MSVOA_V

ClientSampleId :

VSTD05063

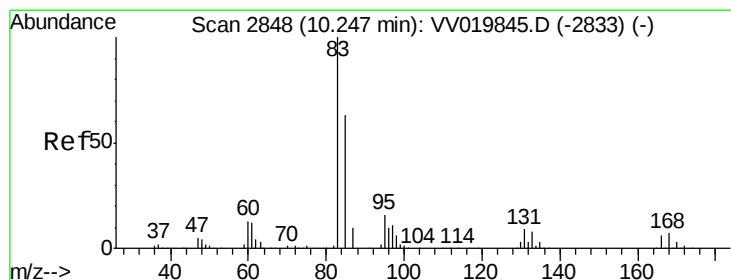
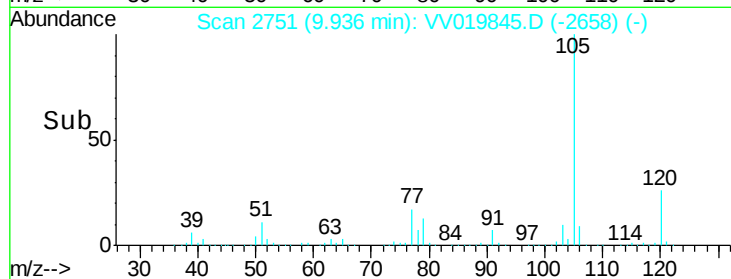
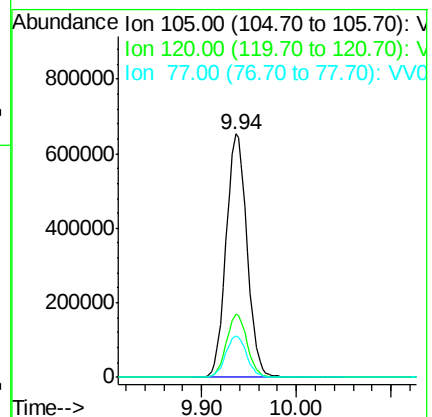
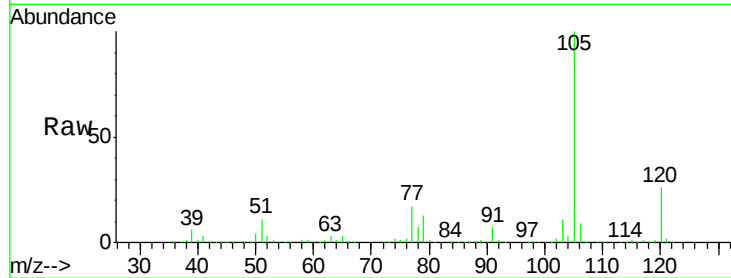
Tgt Ion:105 Resp: 1001911

Ion Ratio Lower Upper

105 100

120 25.6 20.5 30.7

77 17.0 13.6 20.4



#58

1,1,2,2-Tetrachloroethane

Concen: 51.713 ug/L

RT: 10.25 min Scan# 2848

Delta R.T. 0.00 min

Lab File: VV019845.D

Acq: 28 Dec 2020 11:56

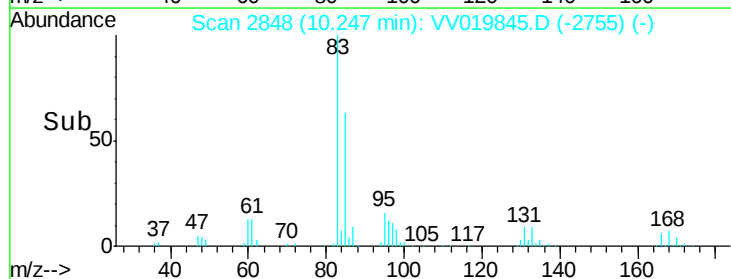
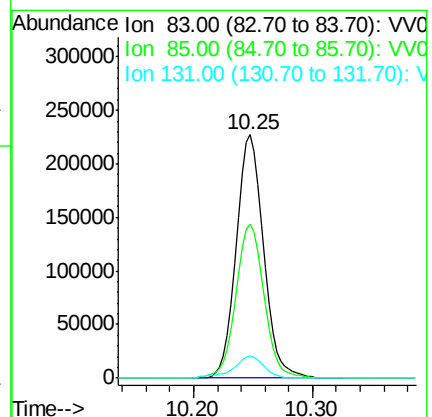
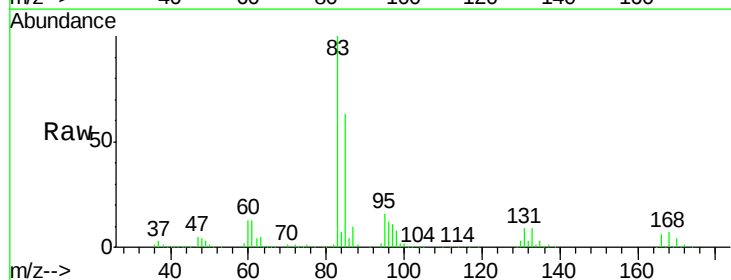
Tgt Ion: 83 Resp: 362623

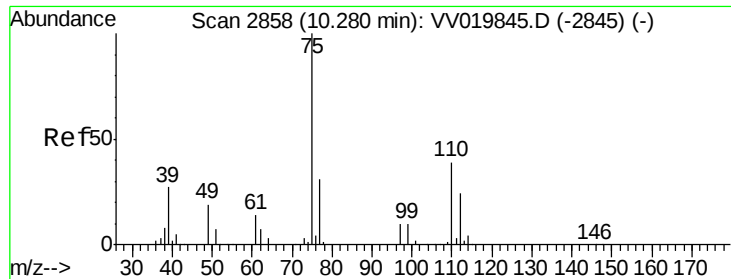
Ion Ratio Lower Upper

83 100

85 63.3 44.3 82.3

131 9.1 7.3 10.9





#59

1,2,3-Trichloropropane

Concen: 53.781 ug/L

RT: 10.28 min Scan# 2858

Delta R.T. 0.00 min

Lab File: VV019845.D

Acq: 28 Dec 2020 11:56

Instrument :

MSVOA_V

ClientSampleId :

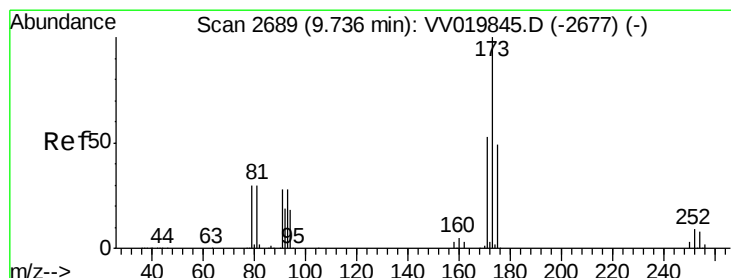
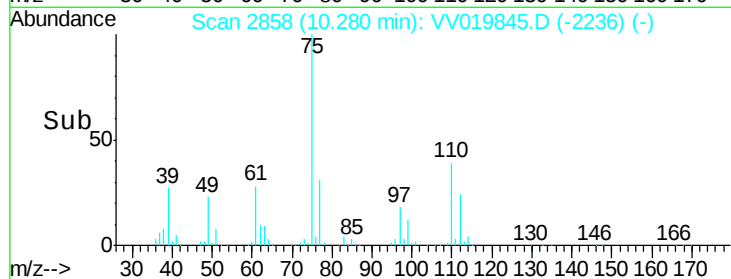
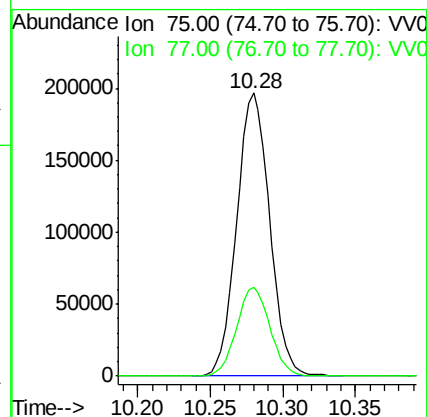
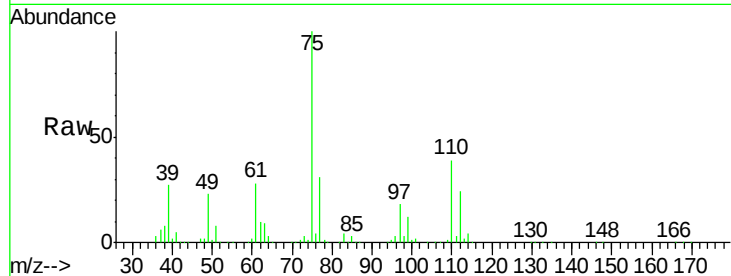
VSTD05063

Tgt Ion: 75 Resp: 310083

Ion Ratio Lower Upper

75 100

77 31.7 25.4 38.0



#61

Bromoform

Concen: 45.813 ug/L

RT: 9.74 min Scan# 2689

Delta R.T. 0.00 min

Lab File: VV019845.D

Acq: 28 Dec 2020 11:56

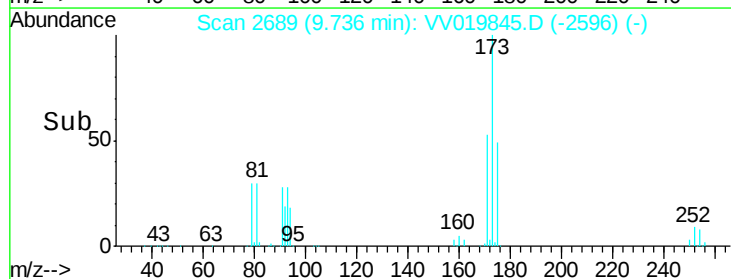
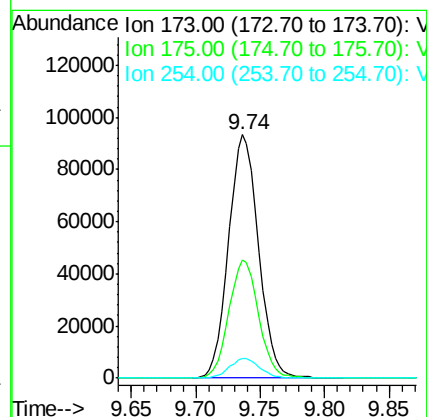
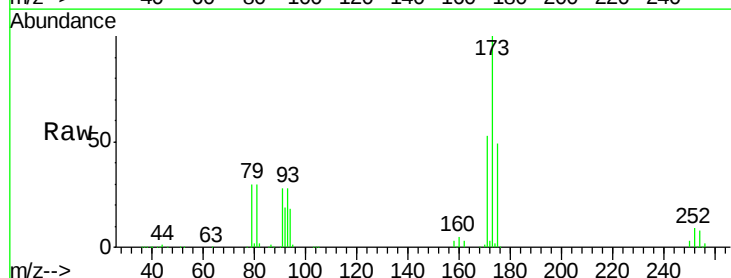
Tgt Ion: 173 Resp: 150768

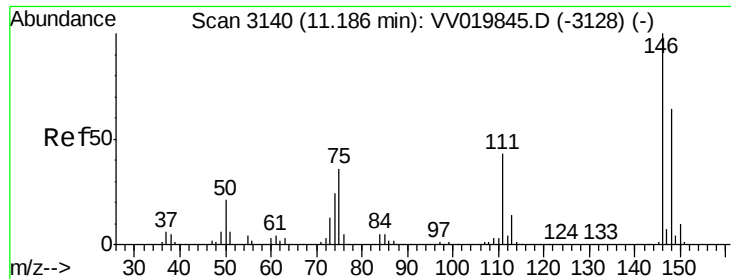
Ion Ratio Lower Upper

173 100

175 48.2 38.6 57.8

254 8.1 6.5 9.7

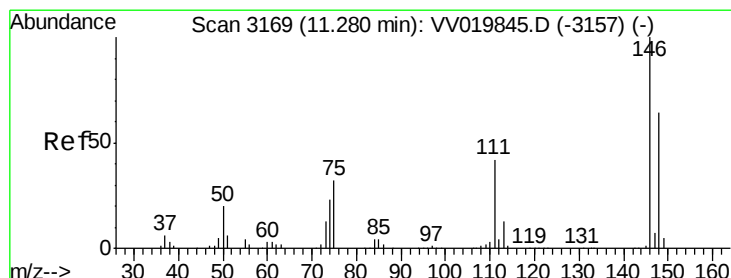
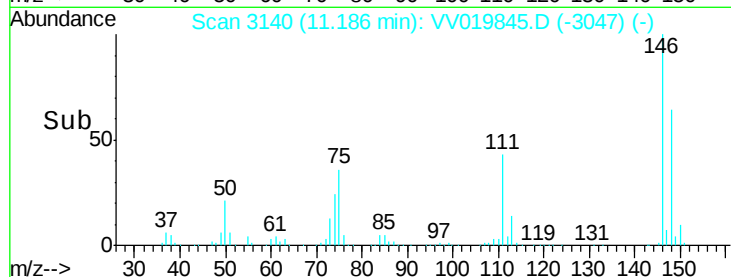
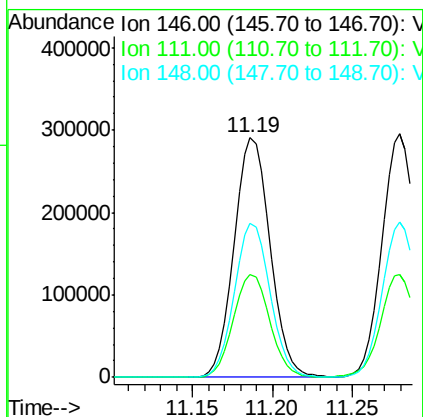
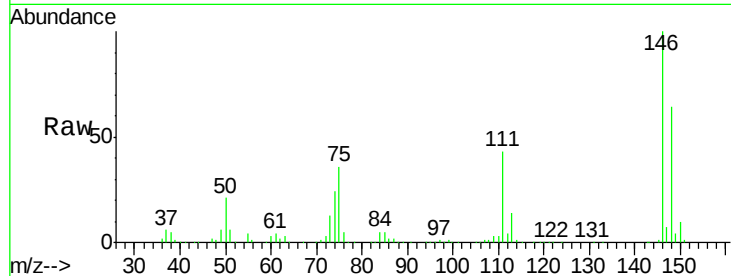




#62
 1,3-Dichlorobenzene
 Concen: 48.366 ug/L
 RT: 11.19 min Scan# 3140
 Delta R.T. 0.00 min
 Lab File: VV019845.D
 Acq: 28 Dec 2020 11:56

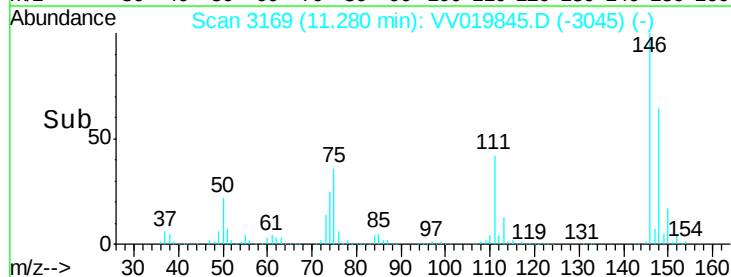
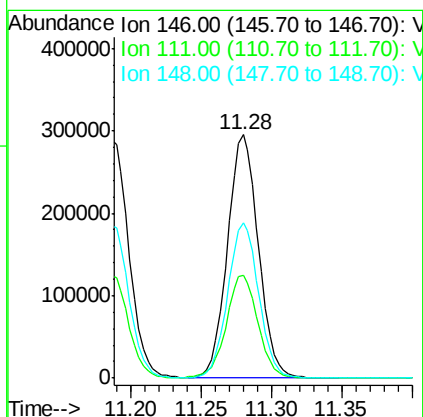
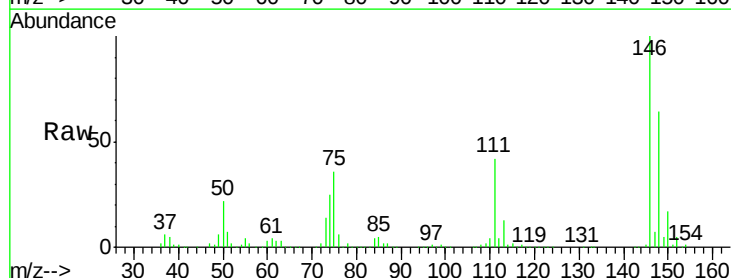
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05063

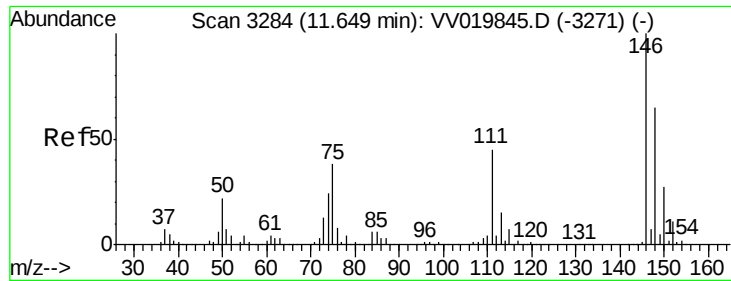
Tgt Ion:146 Resp: 445089
 Ion Ratio Lower Upper
 146 100
 111 43.2 30.2 56.2
 148 64.3 45.0 83.6



#63
 1,4-Dichlorobenzene
 Concen: 48.503 ug/L
 RT: 11.28 min Scan# 3169
 Delta R.T. 0.00 min
 Lab File: VV019845.D
 Acq: 28 Dec 2020 11:56

Tgt Ion:146 Resp: 452502
 Ion Ratio Lower Upper
 146 100
 111 42.0 29.4 54.6
 148 63.9 44.7 83.1





#65

1,2-Dichlorobenzene

Concen: 49.060 ug/L

RT: 11.65 min Scan# 3284

Delta R.T. 0.00 min

Lab File: VV019845.D

Acq: 28 Dec 2020 11:56

Instrument :

MSVOA_V

ClientSampleId :

VSTD05063

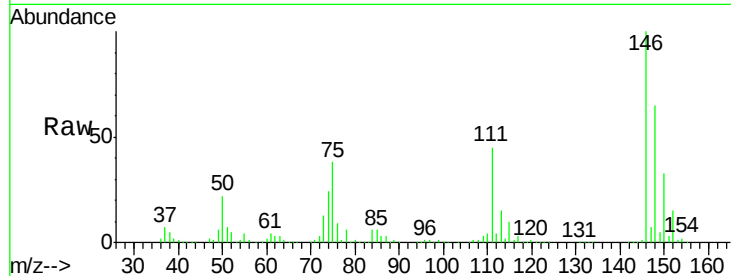
Tgt Ion:146 Resp: 447803

Ion Ratio Lower Upper

146 100

111 45.4 36.3 54.5

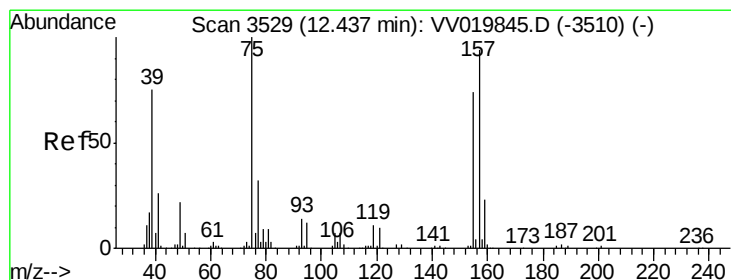
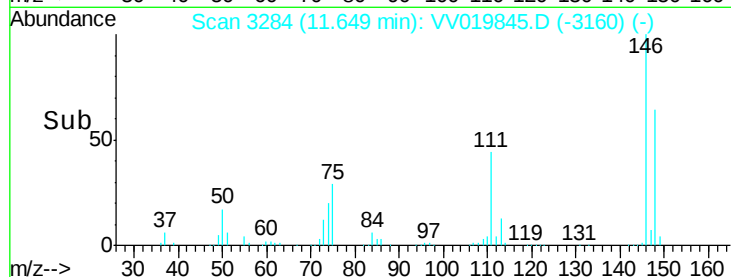
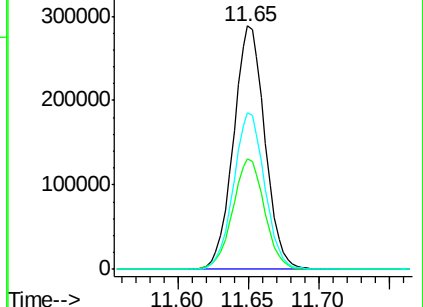
148 64.6 51.7 77.5



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: 47.811 ug/L

RT: 12.44 min Scan# 3529

Delta R.T. 0.00 min

Lab File: VV019845.D

Acq: 28 Dec 2020 11:56

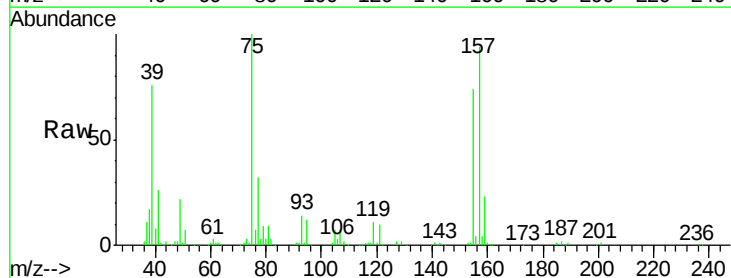
Tgt Ion: 75 Resp: 91400

Ion Ratio Lower Upper

75 100

155 73.9 59.1 88.7

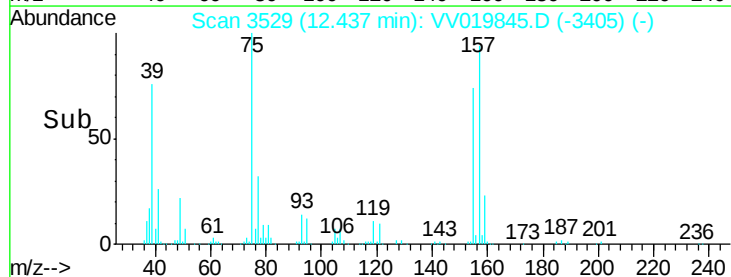
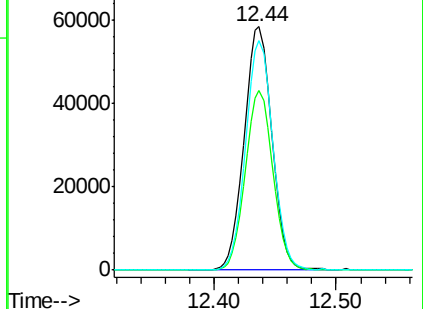
157 94.2 75.4 113.0

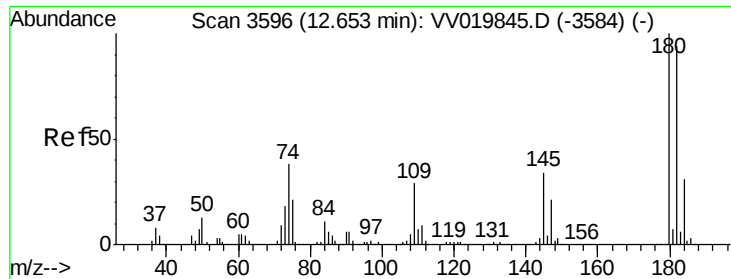


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

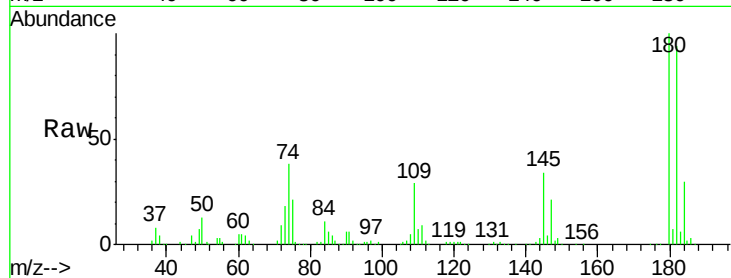




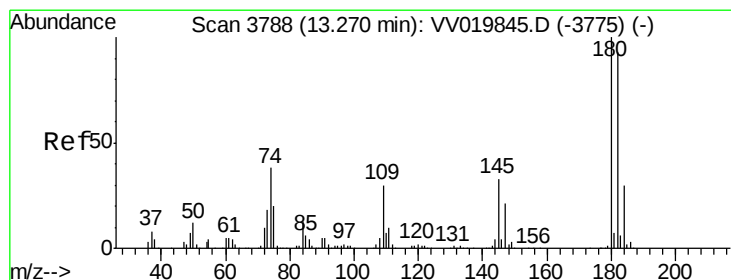
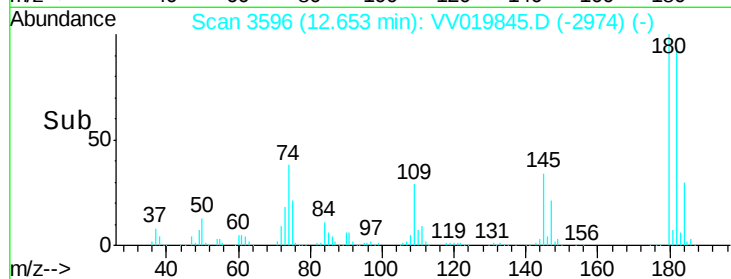
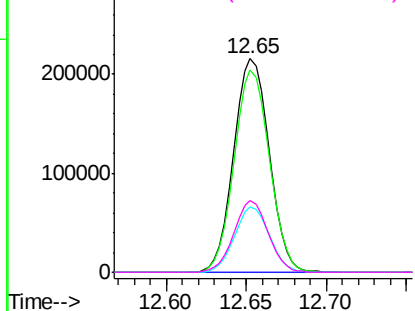
#67
 1,3,5-Trichlorobenzene
 Concen: 49.934 ug/L
 RT: 12.65 min Scan# 3596
 Delta R.T. 0.00 min
 Lab File: VV019845.D
 Acq: 28 Dec 2020 11:56

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05063

Tgt Ion:180 Resp: 326161
 Ion Ratio Lower Upper
 180 100
 182 93.8 75.0 112.6
 184 30.0 24.0 36.0
 145 32.2 25.8 38.6

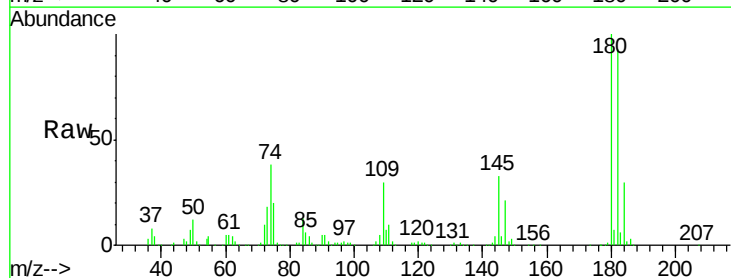


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

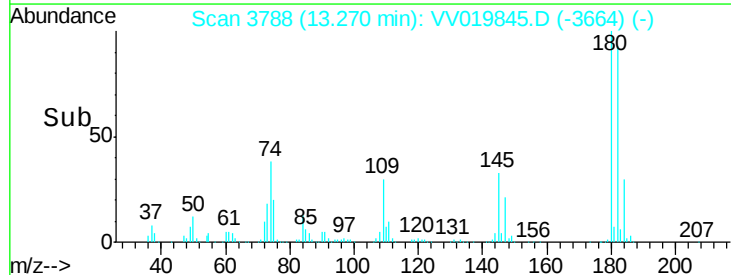
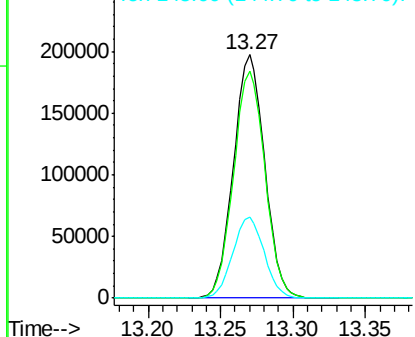


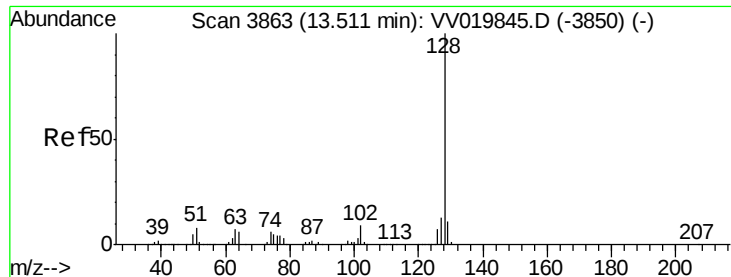
#68
 1,2,4-trichlorobenzene
 Concen: 48.710 ug/L
 RT: 13.27 min Scan# 3788
 Delta R.T. 0.00 min
 Lab File: VV019845.D
 Acq: 28 Dec 2020 11:56

Tgt Ion:180 Resp: 295196
 Ion Ratio Lower Upper
 180 100
 182 93.9 75.1 112.7
 145 33.5 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: 47.164 ug/L

RT: 13.51 min Scan# 3863

Delta R.T. 0.00 min

Lab File: VV019845.D

Acq: 28 Dec 2020 11:56

Instrument :

MSVOA_V

ClientSampleId :

VSTD05063

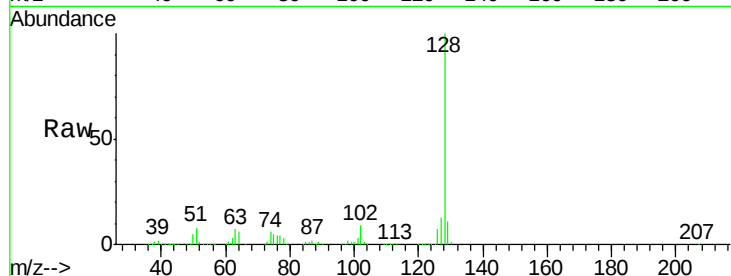
Tgt Ion:128 Resp: 986097

Ion Ratio Lower Upper

128 100

127 12.9 10.3 15.5

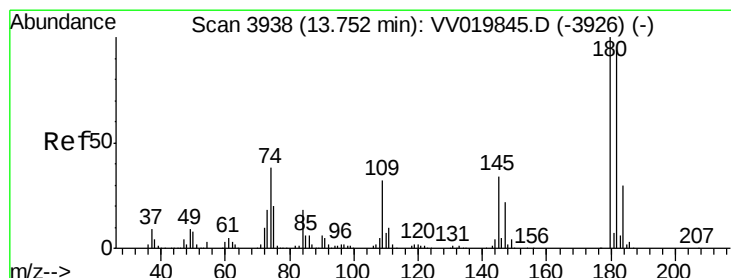
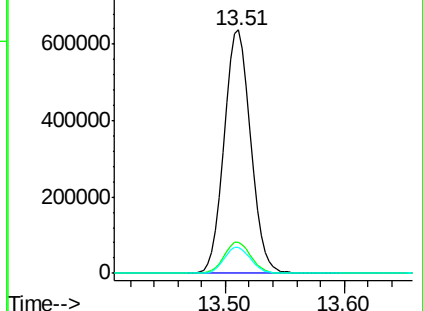
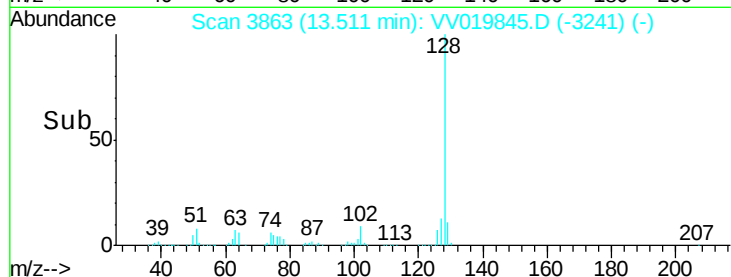
129 10.8 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 48.465 ug/L

RT: 13.75 min Scan# 3938

Delta R.T. 0.00 min

Lab File: VV019845.D

Acq: 28 Dec 2020 11:56

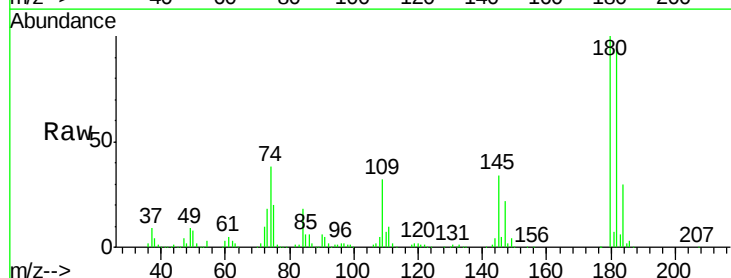
Tgt Ion:180 Resp: 287081

Ion Ratio Lower Upper

180 100

182 95.1 76.1 114.1

145 34.9 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

