

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV122820\
 Data File : VV019846.D
 Acq On : 28 Dec 2020 12:20
 Operator : SY/MD
 Sample : VSTD10064
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10064

Quant Time: Dec 28 12:44:39 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	618970	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.86	117	599423	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.26	152	307426	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	500466	111.88	ug/L	0.00
7) Chloroethane-d5	1.57	69	385371	109.24	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.11	63	935811	112.72	ug/L	0.00
21) 2-Butanone-d5	3.88	46	755782	285.21	ug/L	0.00
24) Chloroform-d	4.35	84	932249	114.47	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.04	65	622410	116.60	ug/L	0.00
32) Benzene-d6	5.05	84	1805533	111.82	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.07	67	584811	114.97	ug/L	0.00
41) Toluene-d8	7.32	98	1625196	112.15	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.62	79	307051	108.34	ug/L	0.00
47) 2-Hexanone-d5	8.09	63	548054	262.20	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.22	84	789139	113.92	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.63	152	606799	105.59	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.13	85	477014	98.291	ug/L	100
3) Chloromethane	1.24	50	596409	111.239	ug/L	100
5) Vinyl chloride	1.31	62	592518	111.130	ug/L	99
6) Bromomethane	1.52	94	348020	109.152	ug/L	97
8) Chloroethane	1.59	64	358097	110.646	ug/L	100
9) Trichlorofluoromethane	1.75	101	713273	110.473	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	392349	109.845	ug/L	99
12) 1,1-Dichloroethene	2.12	96	402392	109.228	ug/L	94
13) Acetone	2.18	43	525054	238.543	ug/L	99
14) Carbon disulfide	2.30	76	1335772	111.147	ug/L	100
15) Methyl Acetate	2.43	43	568196	121.570	ug/L	99
16) Methylene chloride	2.51	84	495867	112.554	ug/L	99
17) trans-1,2-Dichloroethene	2.76	96	458609	113.000	ug/L	98
18) Methyl tert-butyl Ether	2.77	73	1552027	109.823	ug/L	99
19) 1,1-Dichloroethane	3.19	63	908025	114.208	ug/L	99
20) cis-1,2-Dichloroethene	3.91	96	506899	113.788	ug/L	98
22) 2-Butanone	3.97	43	812969	256.315	ug/L	100
23) Bromochloromethane	4.25	128	243052	110.658	ug/L	97
25) Chloroform	4.38	83	897193	113.103	ug/L	98
27) 1,2-Dichloroethane	5.14	62	744169	113.078	ug/L	99
29) Cyclohexane	4.68	56	791496	109.022	ug/L	100
30) 1,1,1-Trichloroethane	4.61	97	783231	105.079	ug/L	99
31) Carbon tetrachloride	4.83	117	650745	104.143	ug/L	99
33) Benzene	5.10	78	1939526	109.891	ug/L	100
34) Trichloroethene	5.92	95	506670	109.375	ug/L	98
35) Methylcyclohexane	6.14	83	770473	110.413	ug/L	100
37) 1,2-Dichloropropane	6.18	63	521863	112.646	ug/L	99
38) Bromodichloromethane	6.51	83	687692	107.538	ug/L	99
39) cis-1,3-Dichloropropene	7.03	75	852633	112.116	ug/L	100
40) 4-Methyl-2-pentanone	7.23	43	1597084	234.301	ug/L	100

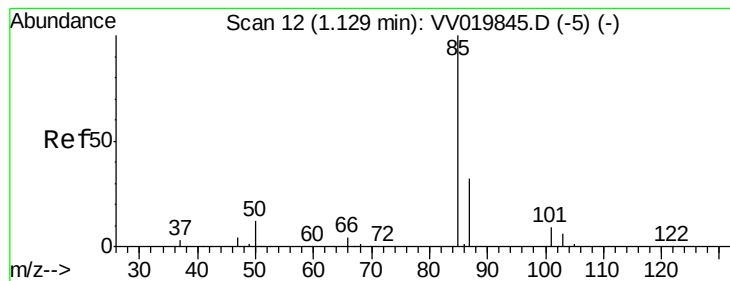
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV122820\
 Data File : VV019846.D
 Acq On : 28 Dec 2020 12:20
 Operator : SY/MD
 Sample : VSTD10064
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10064

Quant Time: Dec 28 12:44:39 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	7.39	91	2025371	109.583	ug/L	99
44) trans-1,3-Dichloropropene	7.65	75	827378	108.354	ug/L	98
45) 1,1,2-Trichloroethane	7.84	97	474718	108.590	ug/L	99
46) Tetrachloroethene	7.98	164	342847	108.201	ug/L	99
48) 2-Hexanone	8.14	43	1241791	237.787	ug/L	99
49) Dibromochloromethane	8.25	129	508945	108.030	ug/L	99
50) 1,2-Dibromoethane	8.36	107	507238	110.610	ug/L	100
51) Chlorobenzene	8.89	112	1291530	109.762	ug/L	99
52) Ethylbenzene	9.02	91	2298304	109.806	ug/L	100
53) m,p-Xylene	9.14	106	849636	109.201	ug/L	99
54) o-xylene	9.55	106	830602	108.967	ug/L	100
55) Styrene	9.57	104	1467021	110.070	ug/L	99
56) Isopropylbenzene	9.94	105	2205491	108.691	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.25	83	782459	110.718	ug/L	99
59) 1,2,3-Trichloropropane	10.28	75	654691	112.666	ug/L	99
61) Bromoform	9.74	173	341993	102.882	ug/L	100
62) 1,3-Dichlorobenzene	11.19	146	975474	104.943	ug/L	99
63) 1,4-Dichlorobenzene	11.28	146	987881	104.833	ug/L	99
65) 1,2-Dichlorobenzene	11.65	146	984278	106.759	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.43	75	205878	106.619	ug/L	98
67) 1,3,5-Trichlorobenzene	12.65	180	720122	109.147	ug/L	99
68) 1,2,4-trichlorobenzene	13.27	180	669746	109.410	ug/L	99
69) Naphthalene	13.51	128	2290860	108.475	ug/L	100
70) 1,2,3-Trichlorobenzene	13.75	180	651345	108.863	ug/L	100

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



#2

Dichlorodifluoromethane

Concen: 98.291 ug/L

RT: 1.13 min Scan# 12

Delta R.T. 0.00 min

Lab File: VV019846.D

Acq: 28 Dec 2020 12:20

Instrument :

MSVOA_V

ClientSampled :

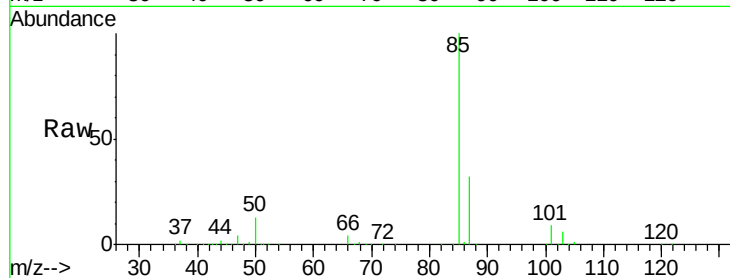
VSTD10064

Tgt Ion: 85 Resp: 477014

Ion Ratio Lower Upper

85 100

87 32.2 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VV019845.D (-5) (-)

Ion 87.00 (86.70 to 87.70): VV019845.D (-5) (-)

1.13

500000

400000

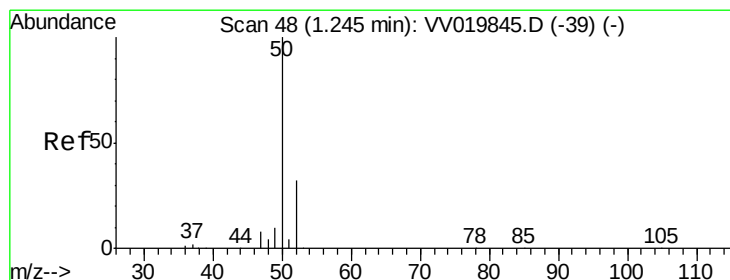
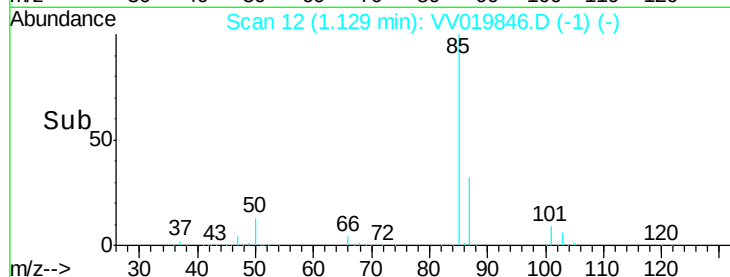
300000

200000

100000

0

Time-->



#3

Chloromethane

Concen: 111.239 ug/L

RT: 1.24 min Scan# 48

Delta R.T. 0.00 min

Lab File: VV019846.D

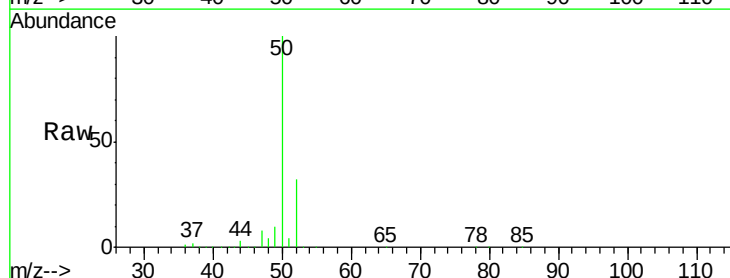
Acq: 28 Dec 2020 12:20

Tgt Ion: 50 Resp: 596409

Ion Ratio Lower Upper

50 100

52 32.3 22.7 42.1



Abundance Ion 50.00 (49.70 to 50.70): VV019845.D (-39) (-)

Ion 52.00 (51.70 to 52.70): VV019845.D (-39) (-)

1.24

600000

500000

400000

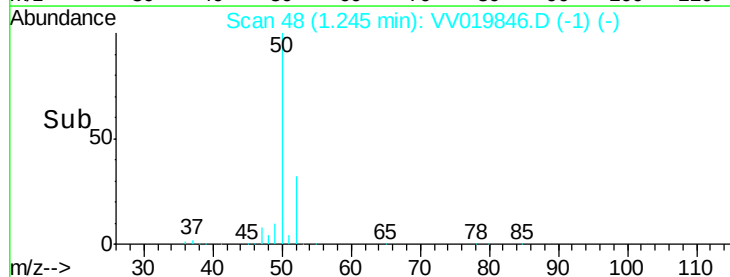
300000

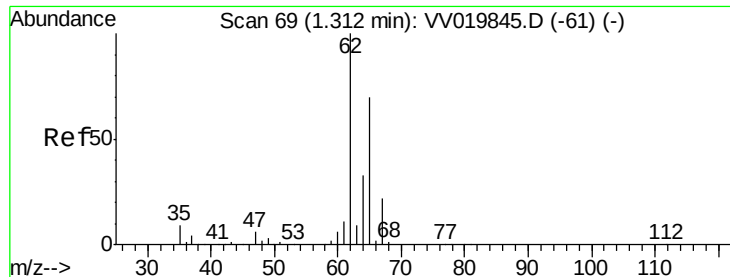
200000

100000

0

Time-->





#5

Vinyl chloride

Concen: 111.130 ug/L

RT: 1.31 min Scan# 69

Delta R.T. 0.00 min

Lab File: VV019846.D

Acq: 28 Dec 2020 12:20

Instrument :

MSVOA_V

ClientSampleId :

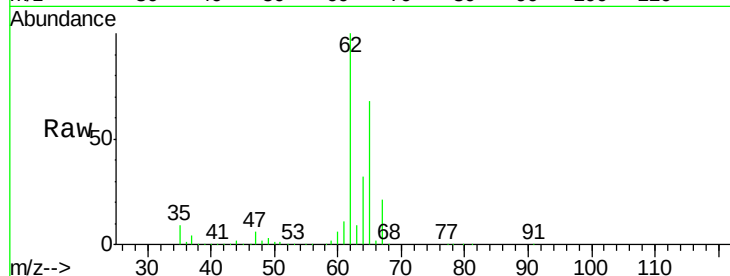
VSTD10064

Tgt Ion: 62 Resp: 592518

Ion Ratio Lower Upper

62 100

64 32.3 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

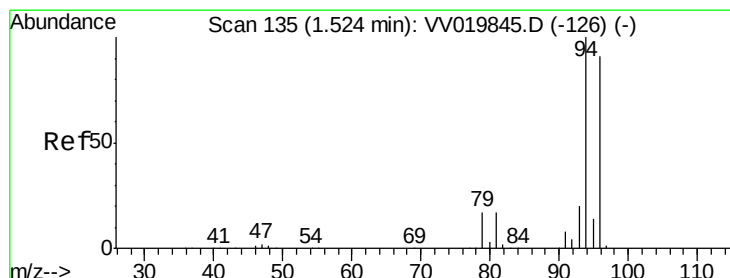
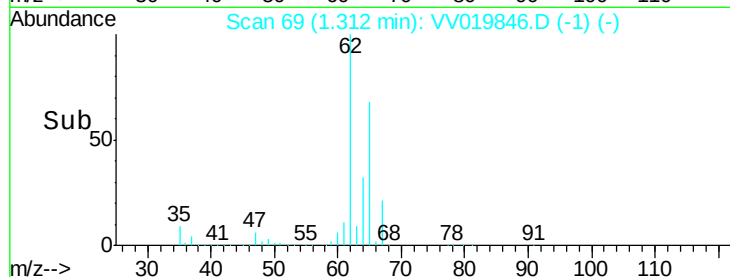
600000

400000

200000

0

Time-->



#6

Bromomethane

Concen: 109.152 ug/L

RT: 1.52 min Scan# 135

Delta R.T. 0.00 min

Lab File: VV019846.D

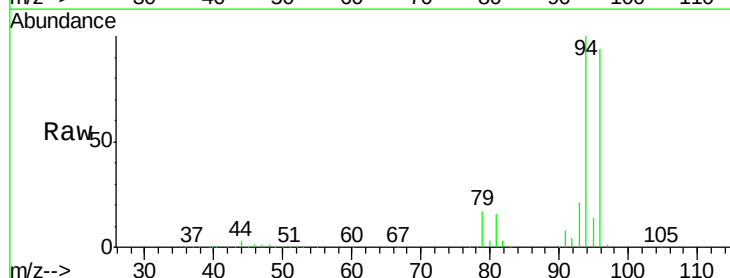
Acq: 28 Dec 2020 12:20

Tgt Ion: 94 Resp: 348020

Ion Ratio Lower Upper

94 100

96 93.5 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

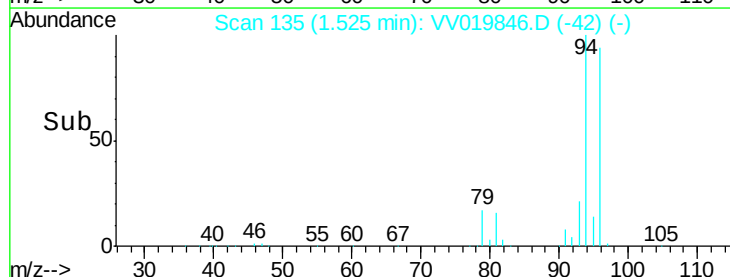
300000

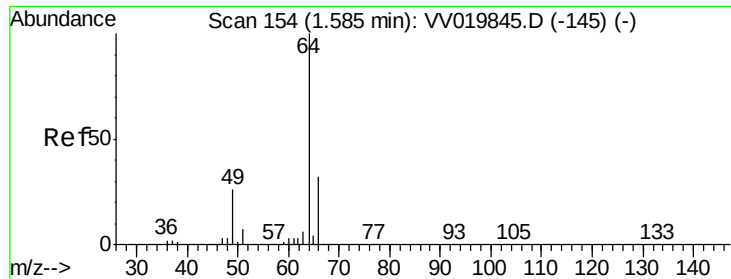
200000

100000

0

Time-->





#8

Chloroethane

Concen: 110.646 ug/L

RT: 1.59 min Scan# 154

Delta R.T. 0.00 min

Lab File: VV019846.D

Acq: 28 Dec 2020 12:20

Instrument :

MSVOA_V

ClientSampleId :

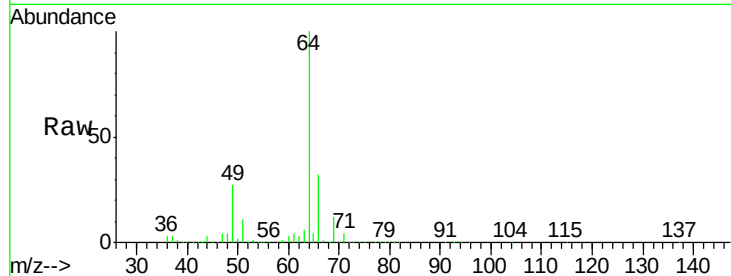
VSTD10064

Tgt Ion: 64 Resp: 358097

Ion Ratio Lower Upper

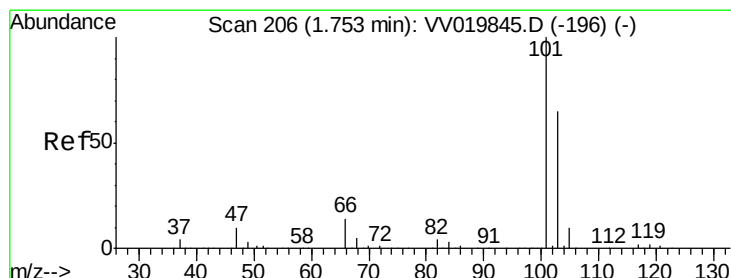
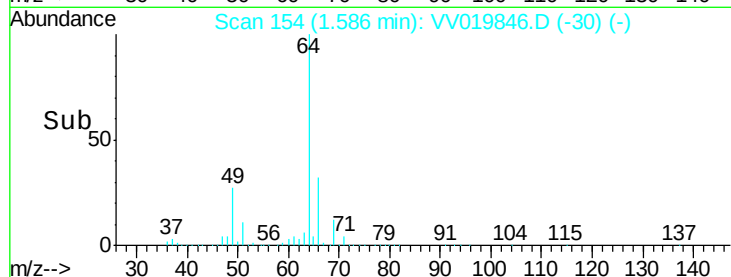
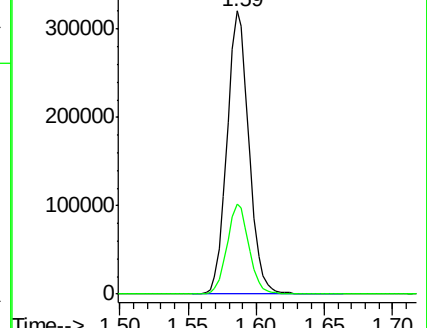
64 100

66 31.9 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: 110.473 ug/L

RT: 1.75 min Scan# 206

Delta R.T. 0.00 min

Lab File: VV019846.D

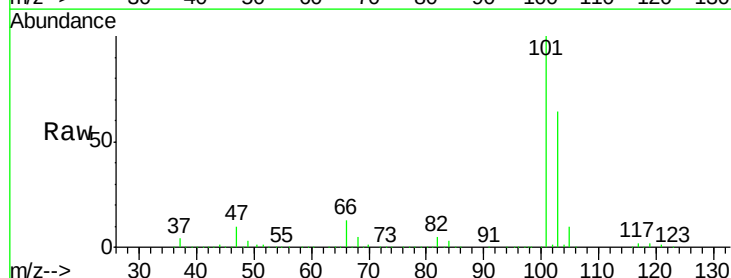
Acq: 28 Dec 2020 12:20

Tgt Ion: 101 Resp: 713273

Ion Ratio Lower Upper

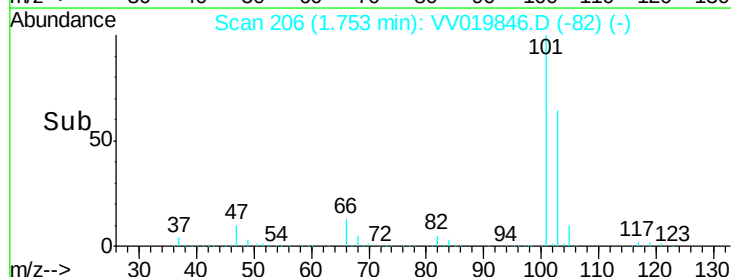
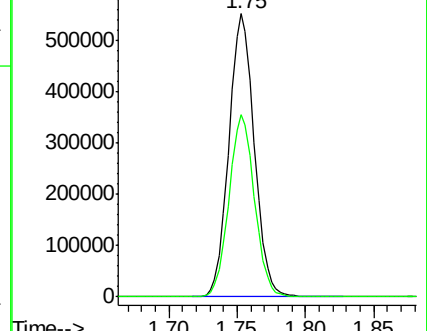
101 100

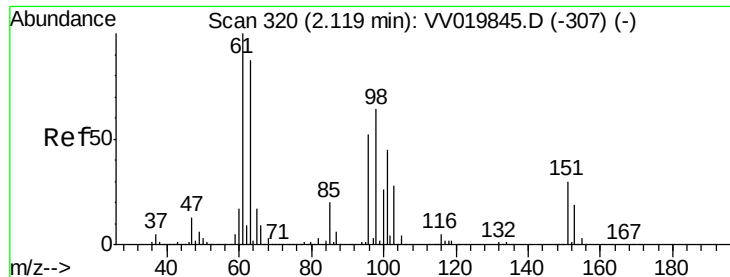
103 64.5 51.7 77.5



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: 109.845 ug/L

RT: 2.12 min Scan# 320

Delta R.T. 0.00 min

Lab File: VV019846.D

Acq: 28 Dec 2020 12:20

Instrument :

MSVOA_V

ClientSampleId :

VSTD10064

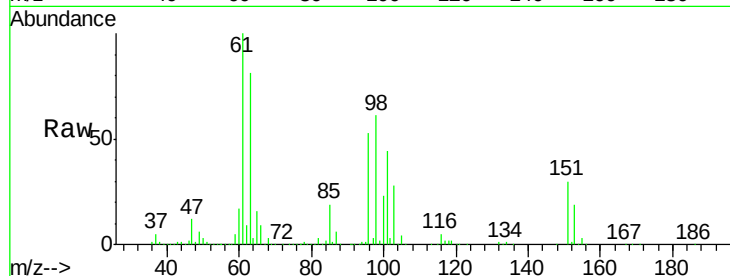
Tgt Ion: 101 Resp: 392349

Ion Ratio Lower Upper

101 100

85 44.7 35.3 52.9

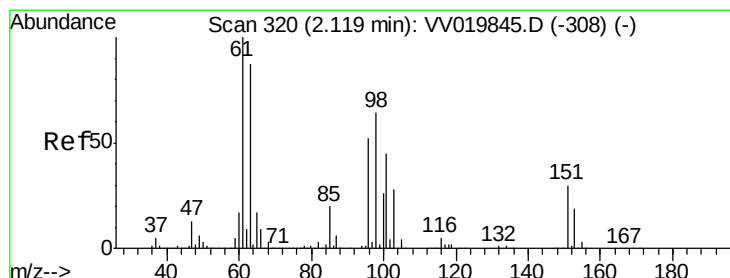
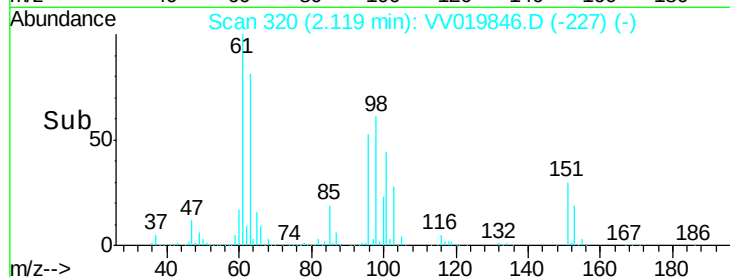
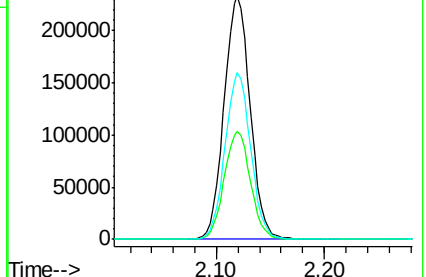
151 67.4 53.6 80.4



Abundance Ion 101.00 (100.70 to 101.70): VV019846.D (-227) (-)

Ion 85.00 (84.70 to 85.70): VV019846.D (-227) (-)

Ion 151.00 (150.70 to 151.70): VV019846.D (-227) (-)



#12

1,1-Dichloroethene

Concen: 109.228 ug/L

RT: 2.12 min Scan# 320

Delta R.T. 0.00 min

Lab File: VV019846.D

Acq: 28 Dec 2020 12:20

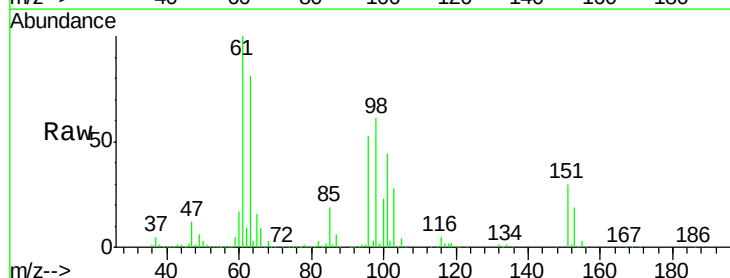
Tgt Ion: 96 Resp: 402392

Ion Ratio Lower Upper

96 100

61 190.2 134.9 250.5

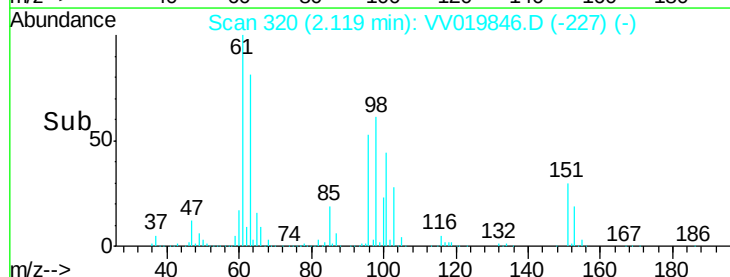
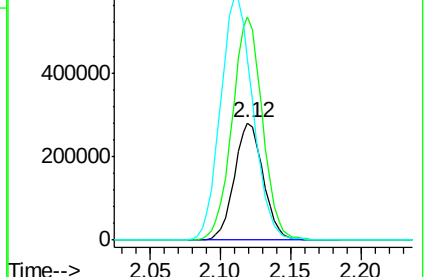
63 154.2 117.6 218.4

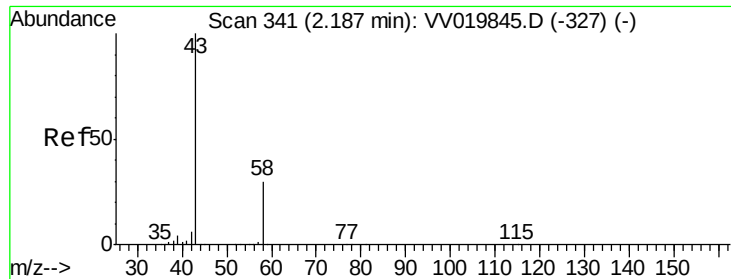


Abundance Ion 96.00 (95.70 to 96.70): VV019846.D (-227) (-)

Ion 61.00 (60.70 to 61.70): VV019846.D (-227) (-)

Ion 63.00 (62.70 to 63.70): VV019846.D (-227) (-)





#13

Acetone

Concen: 238.543 ug/L

RT: 2.18 min Scan# 339

Delta R.T. -0.01 min

Lab File: VV019846.D

Acq: 28 Dec 2020 12:20

Instrument :

MSVOA_V

ClientSampleId :

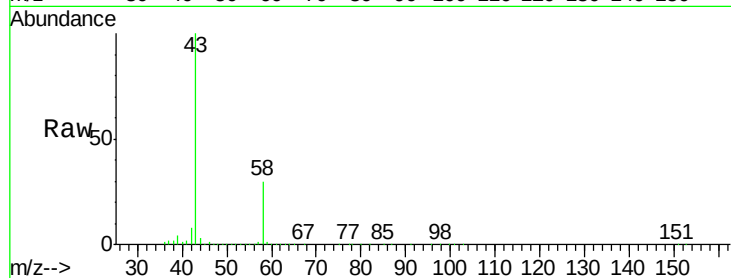
VSTD10064

Tgt Ion: 43 Resp: 525054

Ion Ratio Lower Upper

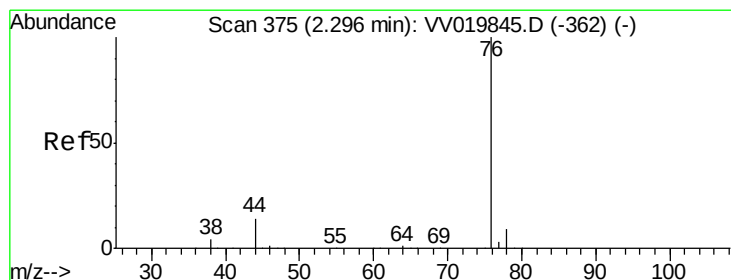
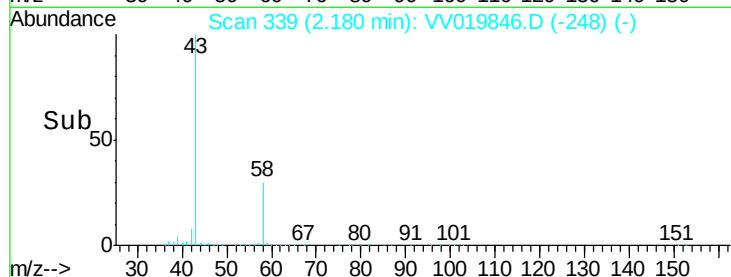
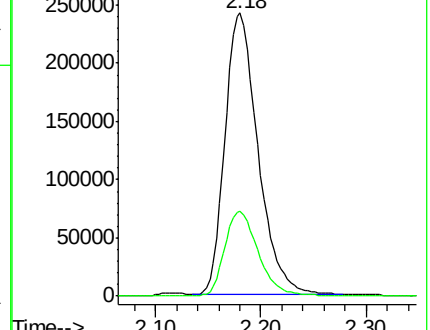
43 100

58 30.4 0.0 60.2



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0



#14

Carbon disulfide

Concen: 111.147 ug/L

RT: 2.30 min Scan# 375

Delta R.T. 0.00 min

Lab File: VV019846.D

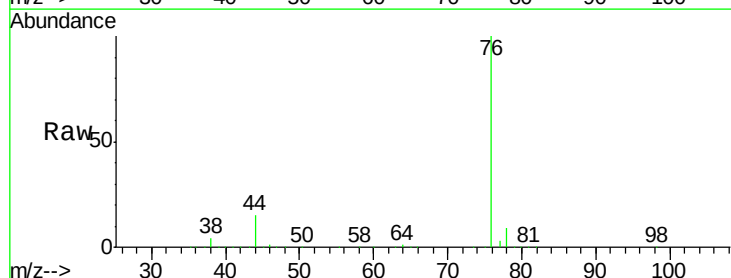
Acq: 28 Dec 2020 12:20

Tgt Ion: 76 Resp: 1335772

Ion Ratio Lower Upper

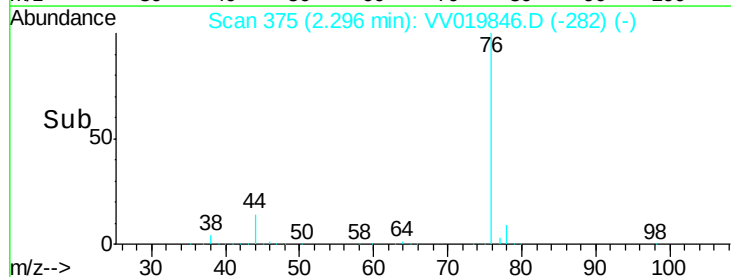
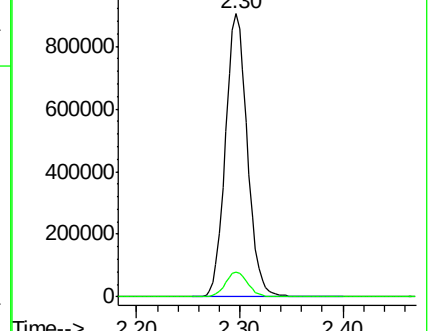
76 100

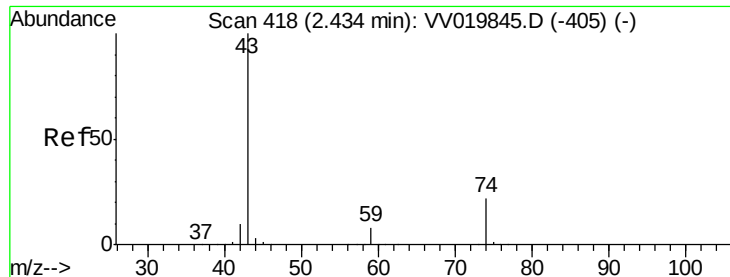
78 9.0 7.2 10.8



Abundance Ion 76.00 (75.70 to 76.70): VV0

Ion 78.00 (77.70 to 78.70): VV0

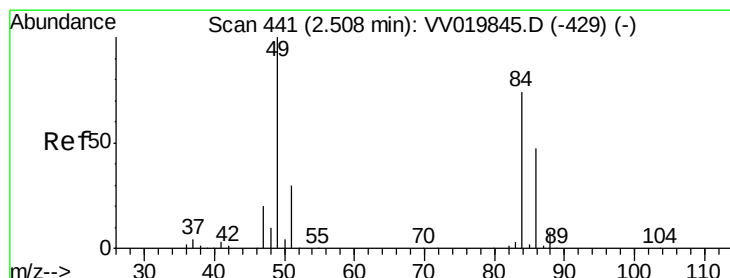
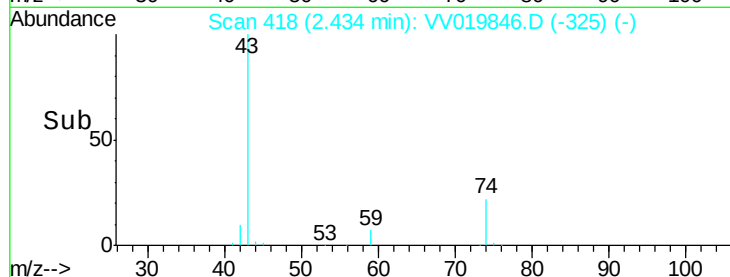
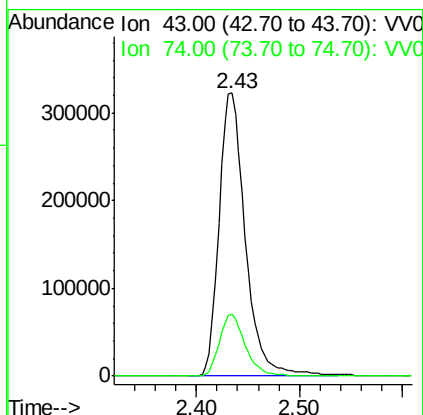
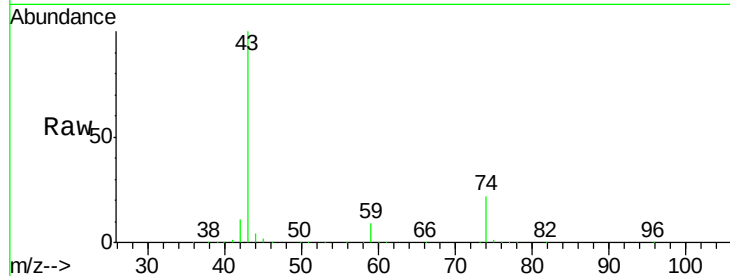




#15
Methyl Acetate
Concen: 121.570 ug/L
RT: 2.43 min Scan# 418
Delta R.T. 0.00 min
Lab File: VV019846.D
Acq: 28 Dec 2020 12:20

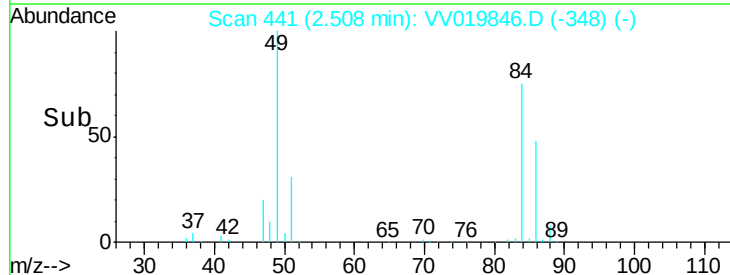
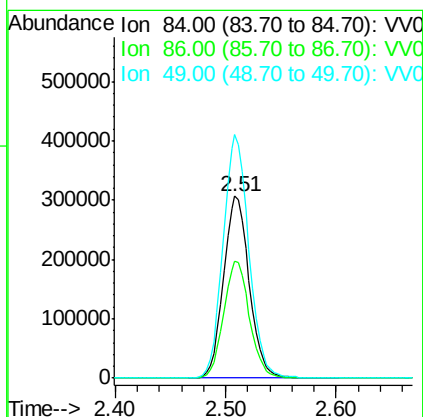
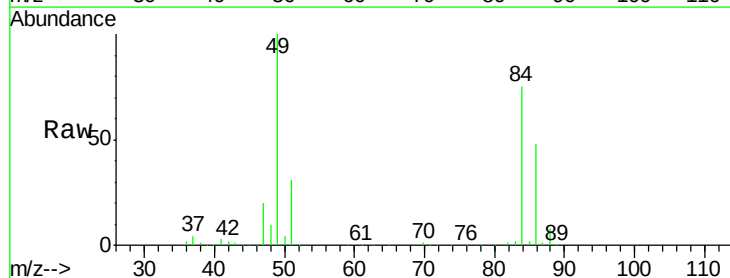
Instrument :
MSVOA_V
ClientSampleId :
VSTD10064

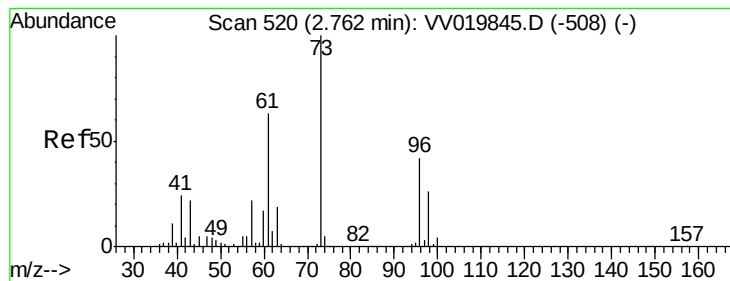
Tgt Ion: 43 Resp: 568196
Ion Ratio Lower Upper
43 100
74 21.7 17.6 26.4



#16
Methylene chloride
Concen: 112.554 ug/L
RT: 2.51 min Scan# 441
Delta R.T. 0.00 min
Lab File: VV019846.D
Acq: 28 Dec 2020 12:20

Tgt Ion: 84 Resp: 495867
Ion Ratio Lower Upper
84 100
86 64.3 44.6 82.8
49 133.7 94.6 175.8





#17

trans-1,2-Dichloroethene

Concen: 113.000 ug/L

RT: 2.76 min Scan# 520

Delta R.T. 0.00 min

Lab File: VV019846.D

Acq: 28 Dec 2020 12:20

Instrument :

MSVOA_V

ClientSampleId :

VSTD10064

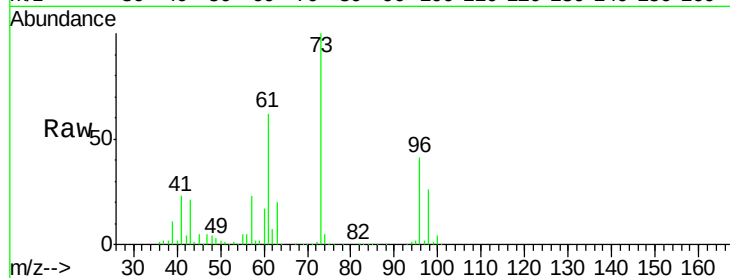
Tgt Ion: 96 Resp: 458609

Ion Ratio Lower Upper

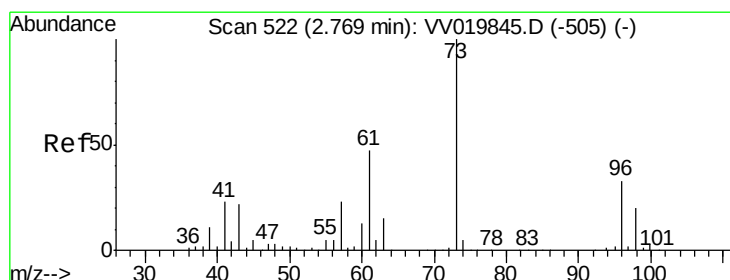
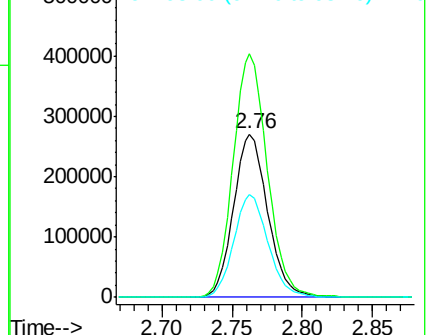
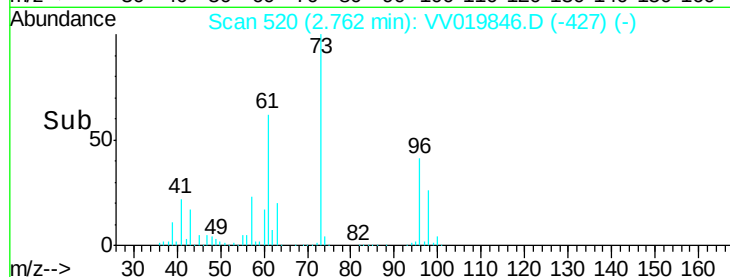
96 100

61 149.4 103.1 191.5

98 63.1 43.1 80.1



Abundance Ion 96.00 (95.70 to 96.70): VV019846.D (-427) (-)



#18

Methyl tert-butyl Ether

Concen: 109.823 ug/L

RT: 2.77 min Scan# 522

Delta R.T. 0.00 min

Lab File: VV019846.D

Acq: 28 Dec 2020 12:20

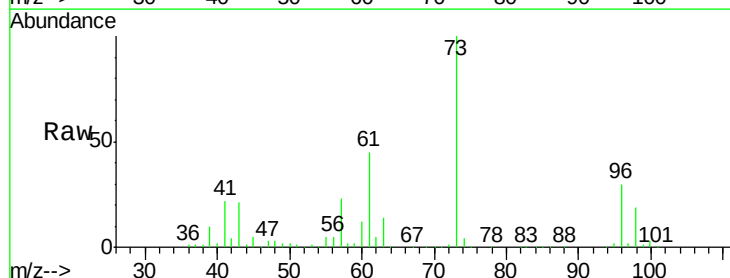
Tgt Ion: 73 Resp: 1552027

Ion Ratio Lower Upper

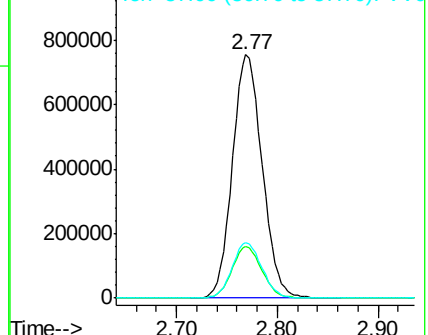
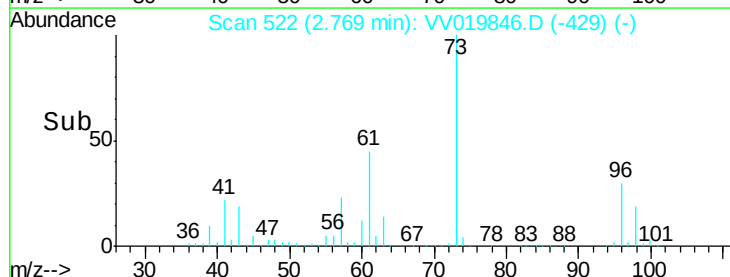
73 100

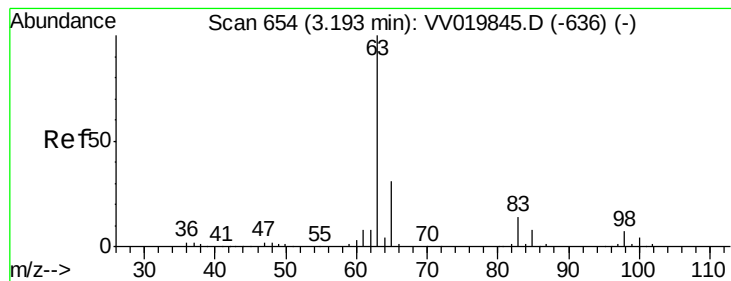
43 21.1 17.3 25.9

57 22.8 17.9 26.9



Abundance Ion 73.00 (72.70 to 73.70): VV019846.D (-429) (-)





#19

1,1-Dichloroethane

Concen: 114.208 ug/L

RT: 3.19 min Scan# 654

Delta R.T. 0.00 min

Lab File: VV019846.D

Acq: 28 Dec 2020 12:20

Instrument :

MSVOA_V

ClientSampled :

VSTD10064

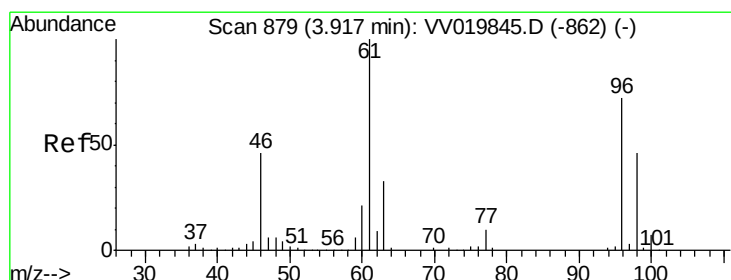
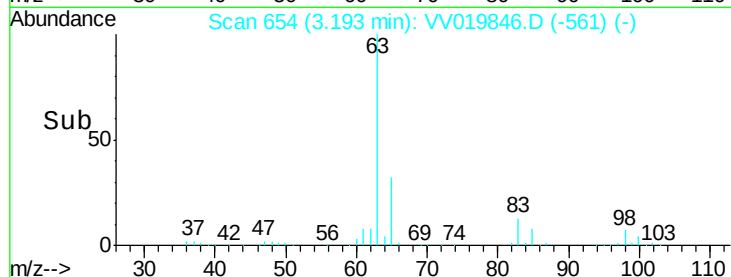
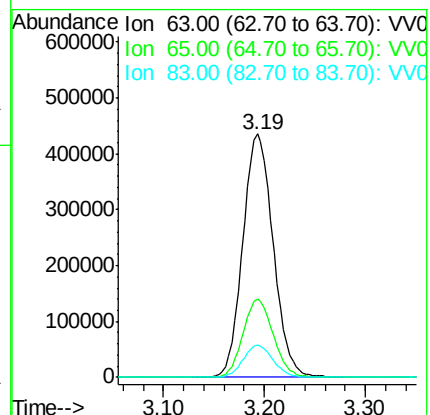
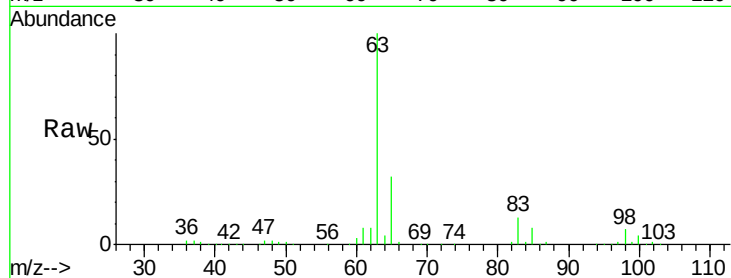
Tgt Ion: 63 Resp: 908025

Ion Ratio Lower Upper

63 100

65 32.1 21.9 40.7

83 13.3 9.5 17.7



#20

cis-1,2-Dichloroethene

Concen: 113.788 ug/L

RT: 3.91 min Scan# 878

Delta R.T. -0.00 min

Lab File: VV019846.D

Acq: 28 Dec 2020 12:20

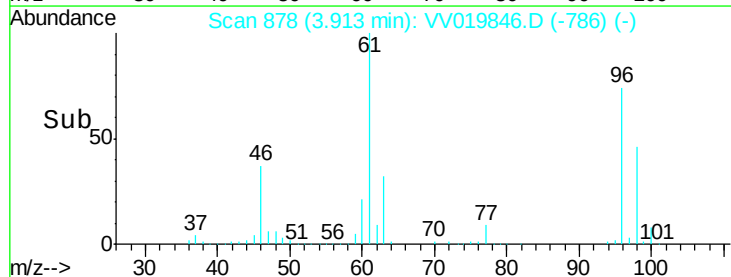
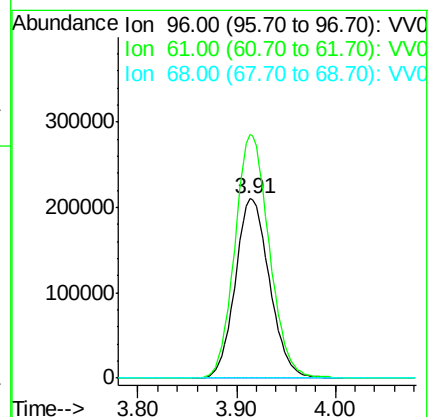
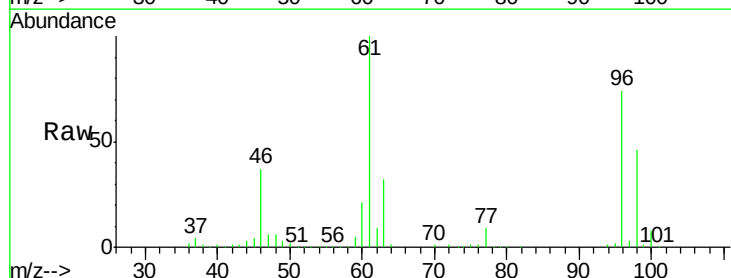
Tgt Ion: 96 Resp: 506899

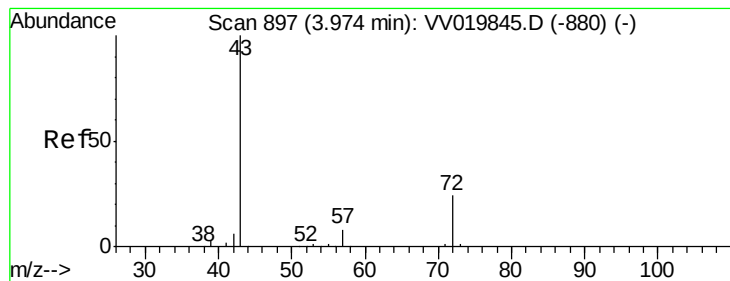
Ion Ratio Lower Upper

96 100

61 135.8 96.9 179.9

68 0.0 0.0 0.0





#22

2-Butanone

Concen: 256.315 ug/L

RT: 3.97 min Scan# 895

Delta R.T. -0.01 min

Lab File: VV019846.D

Acq: 28 Dec 2020 12:20

Instrument :

MSVOA_V

ClientSampleId :

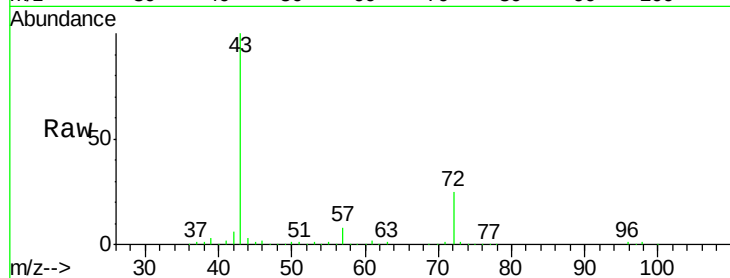
VSTD10064

Tgt Ion: 43 Resp: 812969

Ion Ratio Lower Upper

43 100

72 24.2 12.2 36.6



Abundance Ion 43.00 (42.70 to 43.70): VV019845.D (-880) (-)

Ion 72.00 (71.70 to 72.70): VV019845.D (-880) (-)

3.97

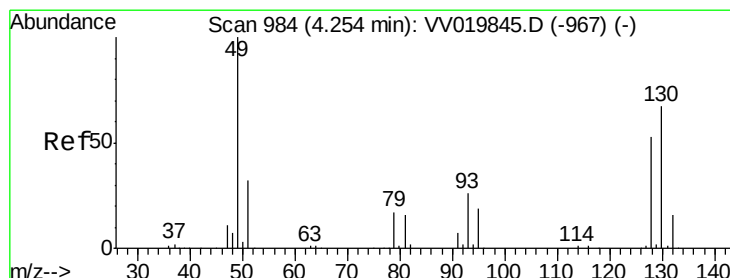
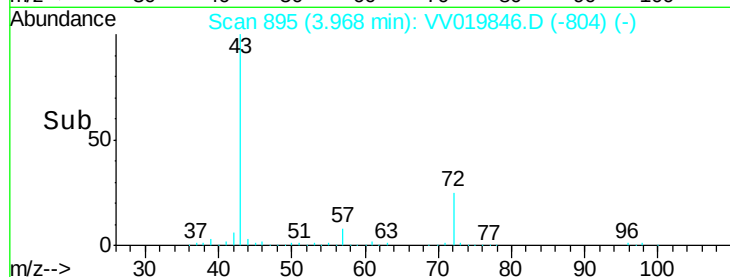
300000

200000

100000

0

Time-->



#23

Bromochloromethane

Concen: 110.658 ug/L

RT: 4.25 min Scan# 983

Delta R.T. -0.00 min

Lab File: VV019846.D

Acq: 28 Dec 2020 12:20

Tgt Ion: 128 Resp: 243052

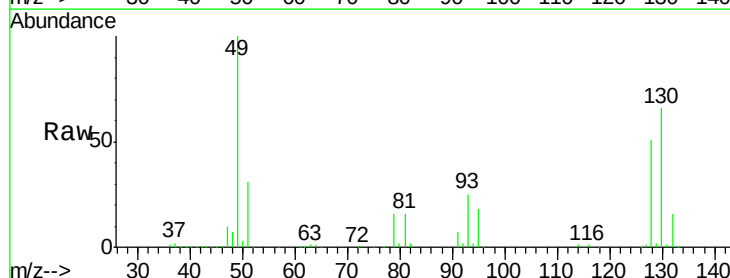
Ion Ratio Lower Upper

128 100

49 196.7 133.1 247.1

130 129.7 89.0 165.4

51 61.3 49.3 73.9



Abundance Ion 128.00 (127.70 to 128.70): VV019845.D (-967) (-)

Ion 49.00 (48.70 to 49.70): VV019845.D (-967) (-)

Ion 130.00 (129.70 to 130.70): VV019845.D (-967) (-)

Ion 51.00 (50.70 to 51.70): VV019845.D (-967) (-)

4.25

300000

250000

200000

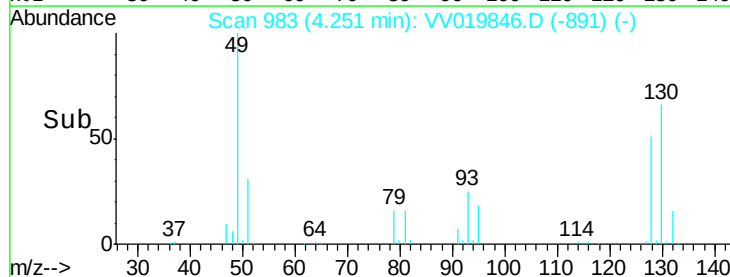
150000

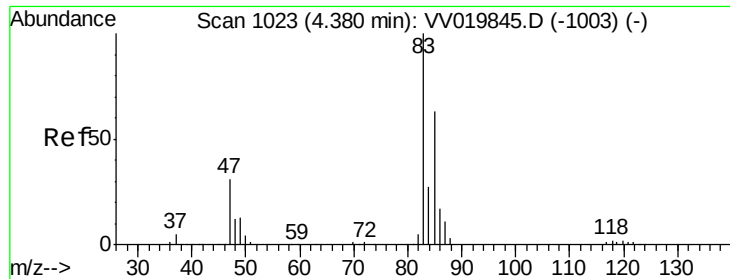
100000

50000

0

Time-->

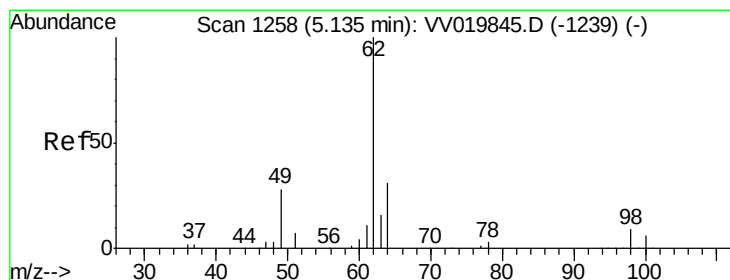
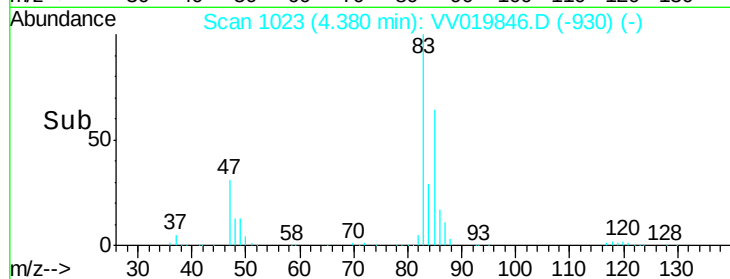
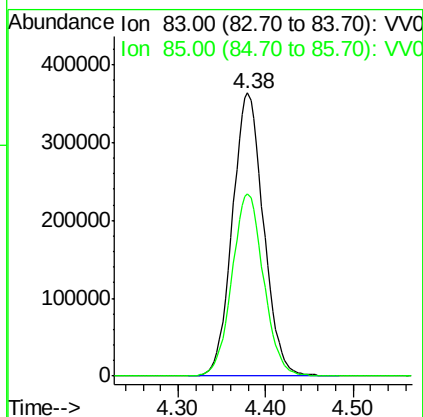
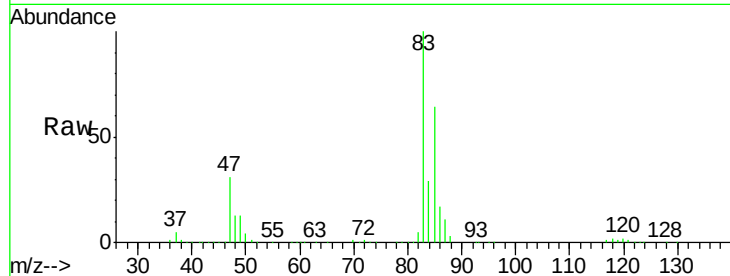




#25
 Chloroform
 Concen: 113.103 ug/L
 RT: 4.38 min Scan# 1023
 Delta R.T. 0.00 min
 Lab File: VV019846.D
 Acq: 28 Dec 2020 12:20

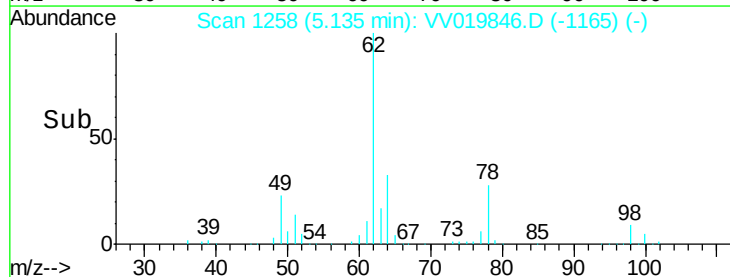
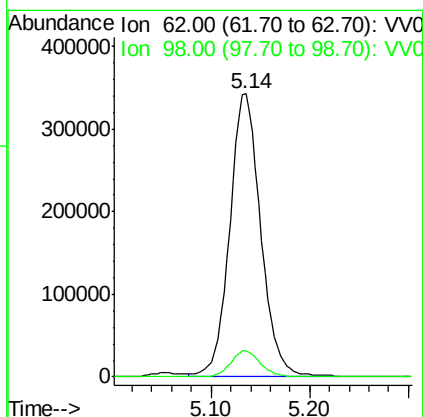
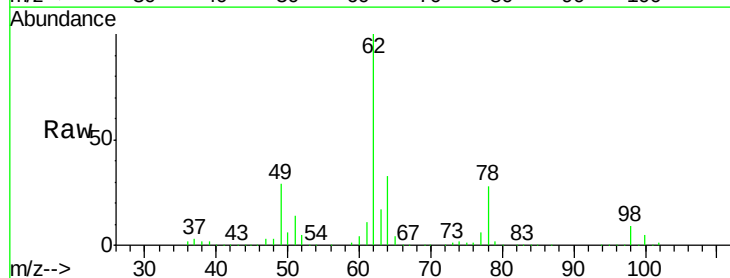
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10064

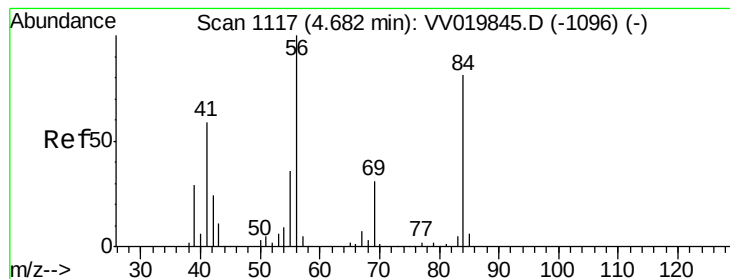
Tgt Ion: 83 Resp: 897193
 Ion Ratio Lower Upper
 83 100
 85 64.5 44.2 82.2



#27
 1,2-Dichloroethane
 Concen: 113.078 ug/L
 RT: 5.14 min Scan# 1258
 Delta R.T. 0.00 min
 Lab File: VV019846.D
 Acq: 28 Dec 2020 12:20

Tgt Ion: 62 Resp: 744169
 Ion Ratio Lower Upper
 62 100
 98 9.1 6.9 10.3





#29

Cyclohexane

Concen: 109.022 ug/L

RT: 4.68 min Scan# 1117

Delta R.T. 0.00 min

Lab File: VV019846.D

Acq: 28 Dec 2020 12:20

Instrument :
MSVOA_V
ClientSampleId :
VSTD10064

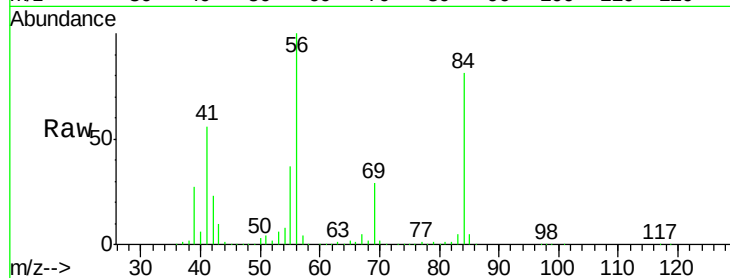
Tgt Ion: 56 Resp: 791496

Ion Ratio Lower Upper

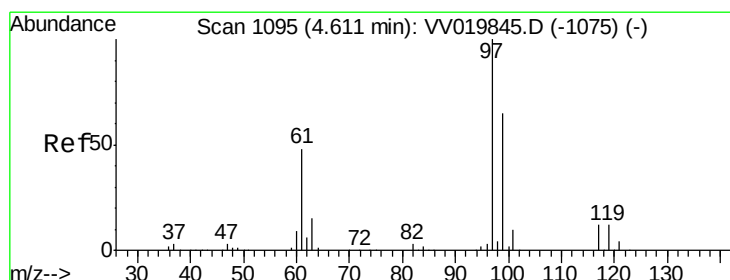
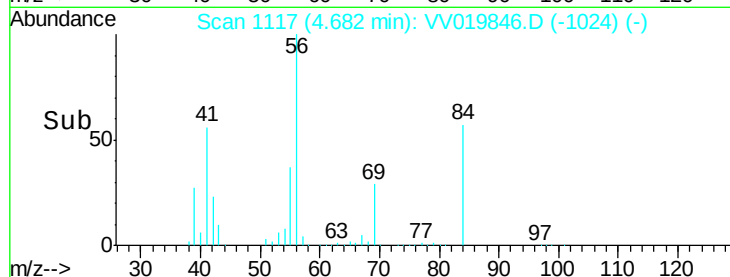
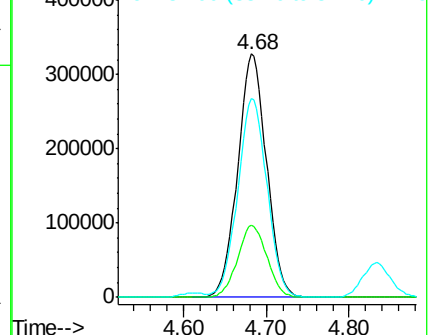
56 100

69 30.1 24.2 36.2

84 83.0 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: 105.079 ug/L

RT: 4.61 min Scan# 1096

Delta R.T. 0.00 min

Lab File: VV019846.D

Acq: 28 Dec 2020 12:20

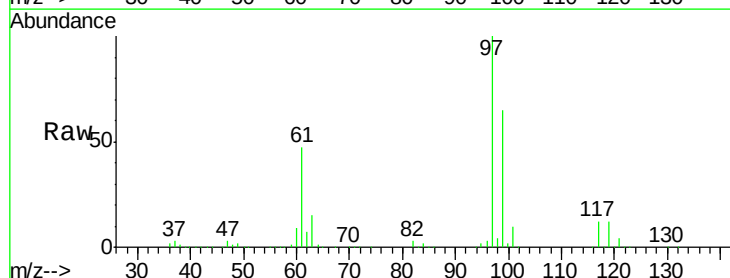
Tgt Ion: 97 Resp: 783231

Ion Ratio Lower Upper

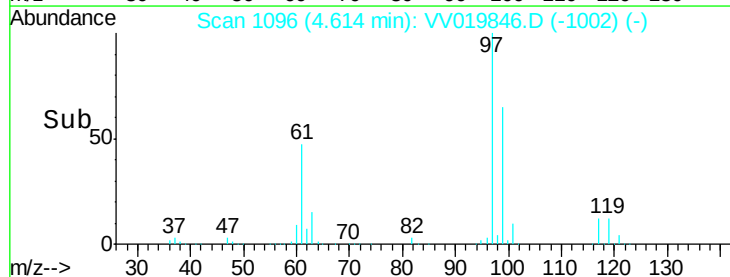
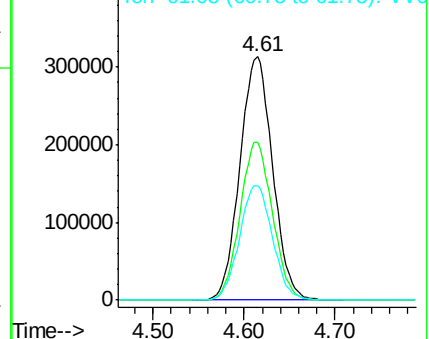
97 100

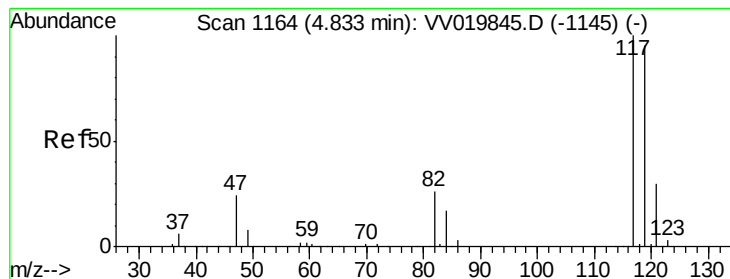
99 64.3 51.2 76.8

61 47.6 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: 104.143 ug/L

RT: 4.83 min Scan# 1164

Delta R.T. 0.00 min

Lab File: VV019846.D

Acq: 28 Dec 2020 12:20

Instrument :

MSVOA_V

ClientSampleId :

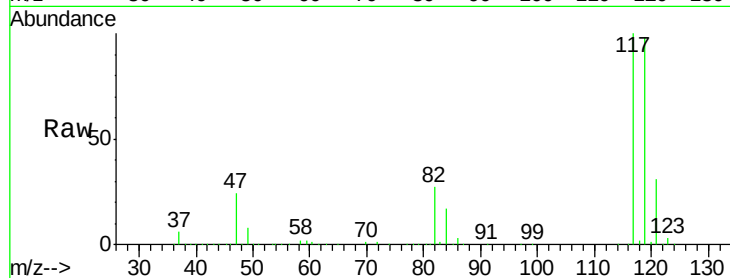
VSTD10064

Tgt Ion:117 Resp: 650745

Ion Ratio Lower Upper

117 100

119 96.5 76.3 114.5



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

300000

250000

200000

150000

100000

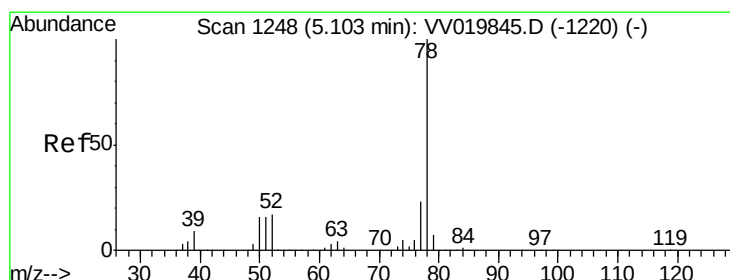
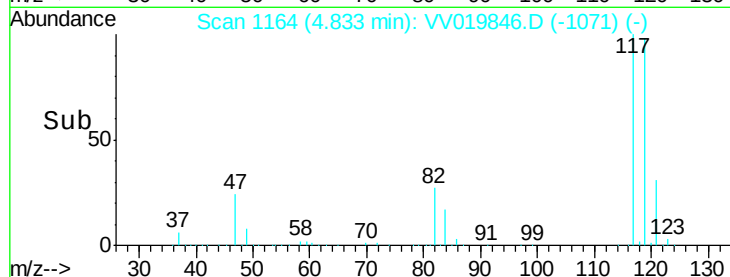
50000

0

4.83

4.70 4.80 4.90

Time-->



#33

Benzene

Concen: 109.891 ug/L

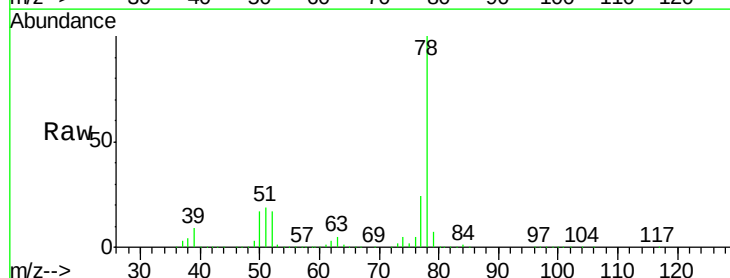
RT: 5.10 min Scan# 1248

Delta R.T. 0.00 min

Lab File: VV019846.D

Acq: 28 Dec 2020 12:20

Tgt Ion: 78 Resp: 1939526



Abundance Ion 78.00 (77.70 to 78.70): VV0

1000000

800000

600000

400000

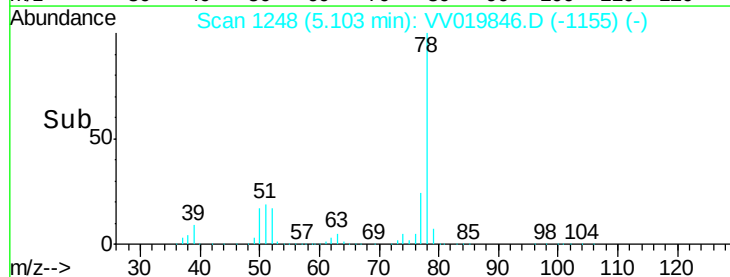
200000

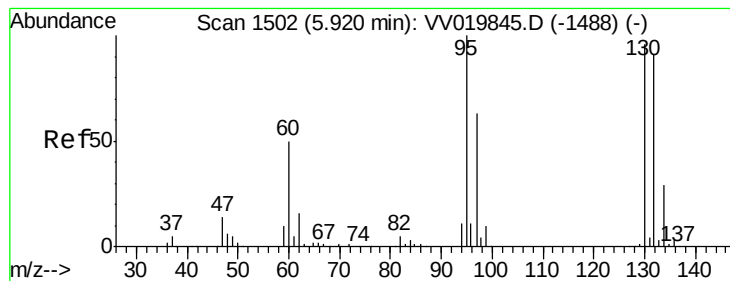
0

5.10

5.00 5.10 5.20

Time-->





#34

Trichloroethene

Concen: 109.375 ug/L

RT: 5.92 min Scan# 1501

Delta R.T. -0.00 min

Lab File: VV019846.D

Acq: 28 Dec 2020 12:20

Instrument :

MSVOA_V

ClientSampleId :

VSTD10064

Tgt Ion: 95 Resp: 506670

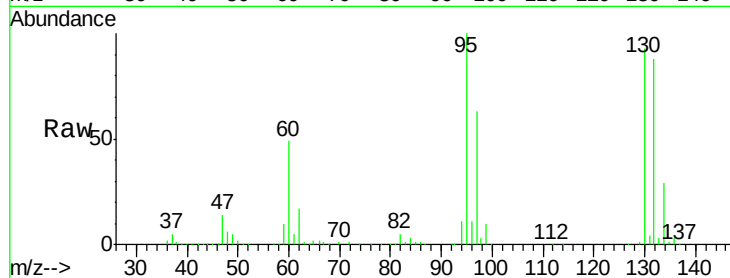
Ion Ratio Lower Upper

95 100

97 63.2 44.5 82.7

132 88.3 63.4 117.8

130 92.7 67.1 124.5

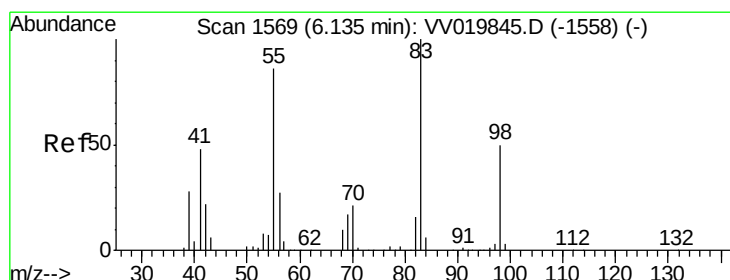
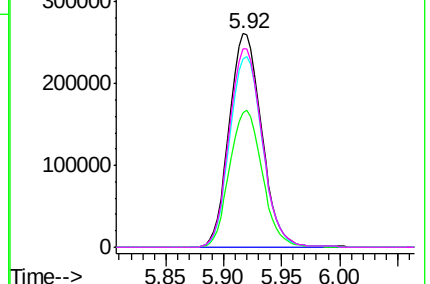
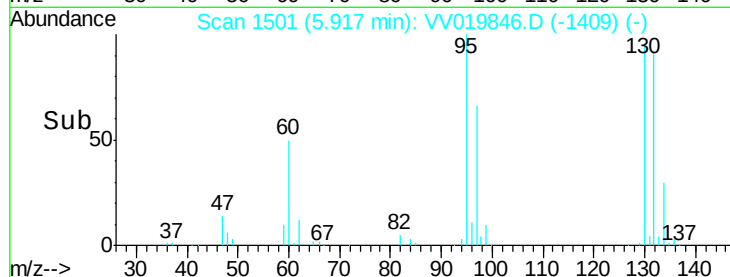


Abundance Ion 95.00 (94.70 to 95.70): VV019846.D (-1409) (-)

Ion 97.00 (96.70 to 97.70): VV019846.D (-1409) (-)

Ion 132.00 (131.70 to 132.70): VV019846.D (-1409) (-)

Ion 130.00 (129.70 to 130.70): VV019846.D (-1409) (-)



#35

Methylcyclohexane

Concen: 110.413 ug/L

RT: 6.14 min Scan# 1569

Delta R.T. 0.00 min

Lab File: VV019846.D

Acq: 28 Dec 2020 12:20

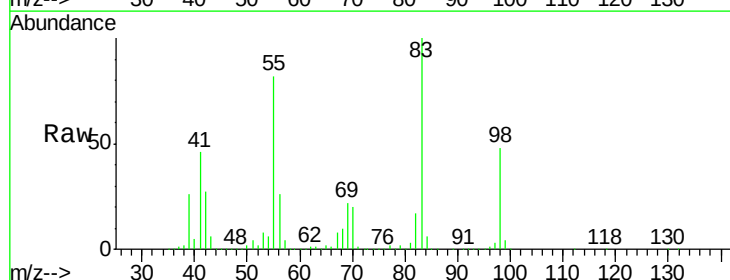
Tgt Ion: 83 Resp: 770473

Ion Ratio Lower Upper

83 100

55 81.0 65.1 97.7

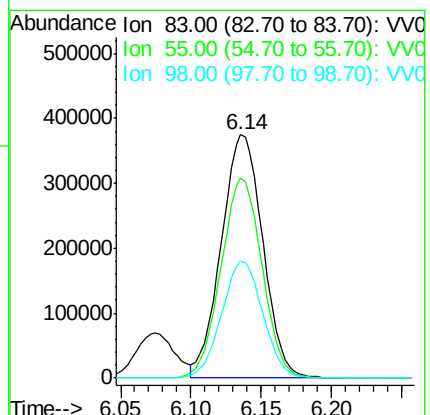
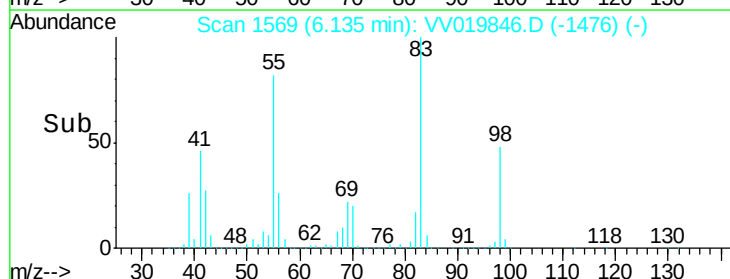
98 47.8 38.2 57.2

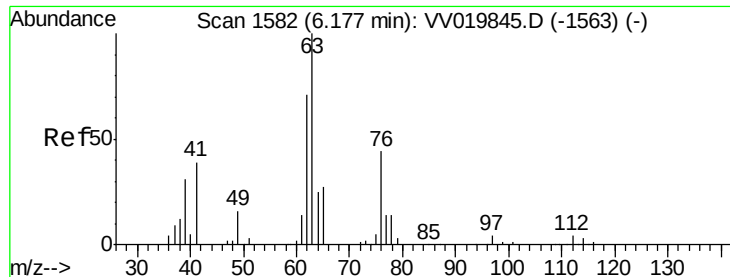


Abundance Ion 83.00 (82.70 to 83.70): VV019846.D (-1476) (-)

Ion 55.00 (54.70 to 55.70): VV019846.D (-1476) (-)

Ion 98.00 (97.70 to 98.70): VV019846.D (-1476) (-)

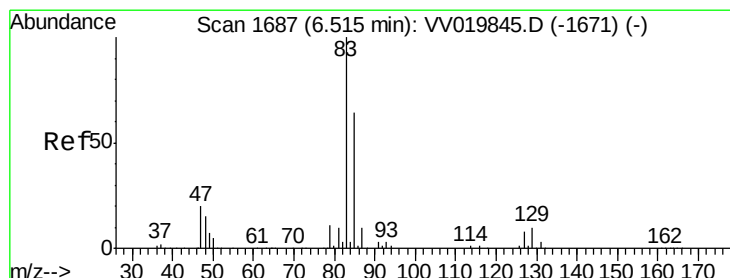
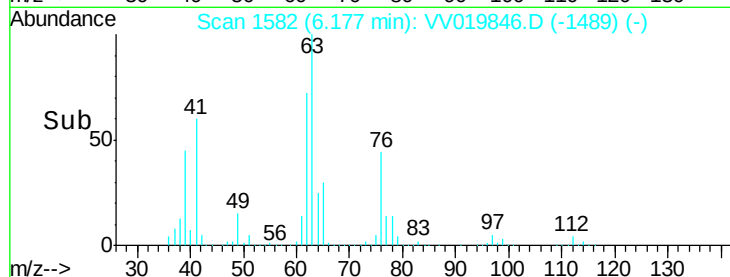
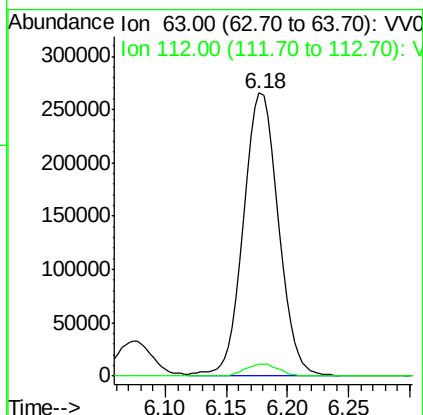
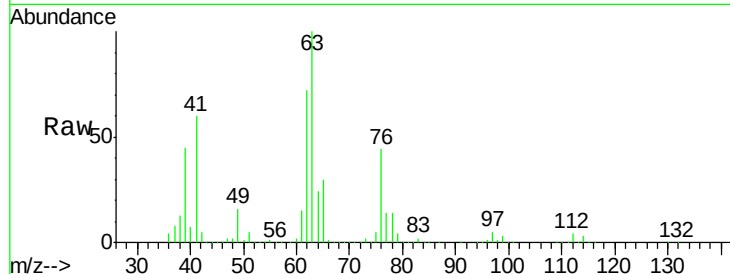




#37
 1,2-Dichloropropane
 Concen: 112.646 ug/L
 RT: 6.18 min Scan# 1582
 Delta R.T. 0.00 min
 Lab File: VV019846.D
 Acq: 28 Dec 2020 12:20

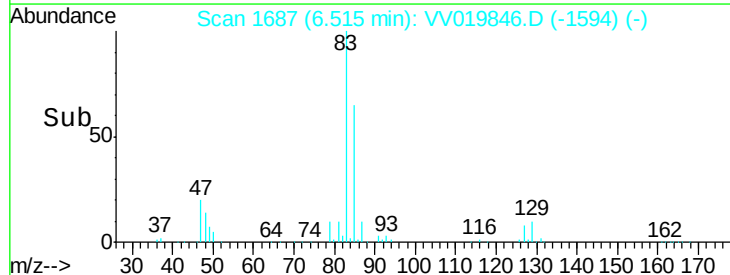
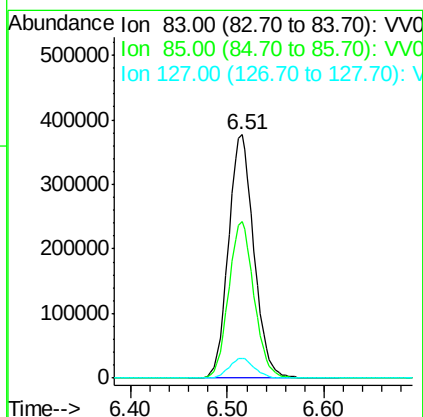
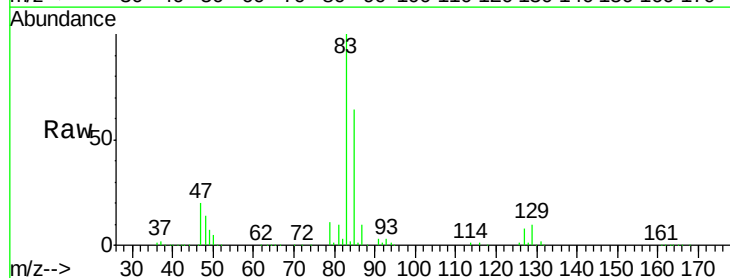
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10064

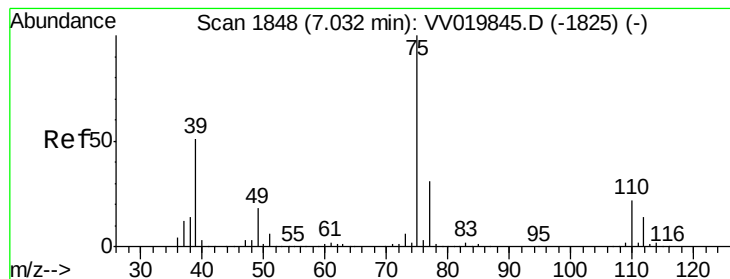
Tgt Ion: 63 Resp: 521863
 Ion Ratio Lower Upper
 63 100
 112 4.3 3.3 4.9



#38
 Bromodichloromethane
 Concen: 107.538 ug/L
 RT: 6.51 min Scan# 1687
 Delta R.T. 0.00 min
 Lab File: VV019846.D
 Acq: 28 Dec 2020 12:20

Tgt Ion: 83 Resp: 687692
 Ion Ratio Lower Upper
 83 100
 85 64.5 44.5 82.7
 127 8.2 6.3 9.5



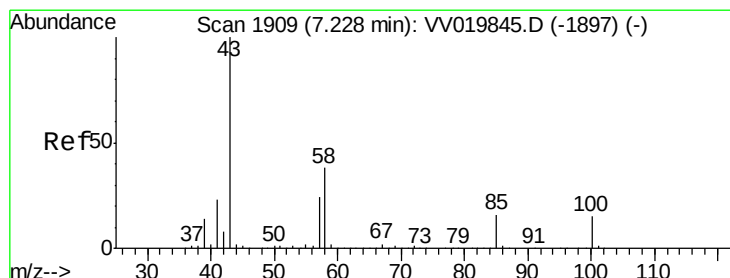
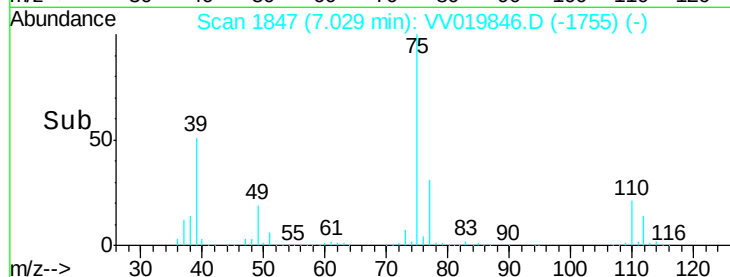
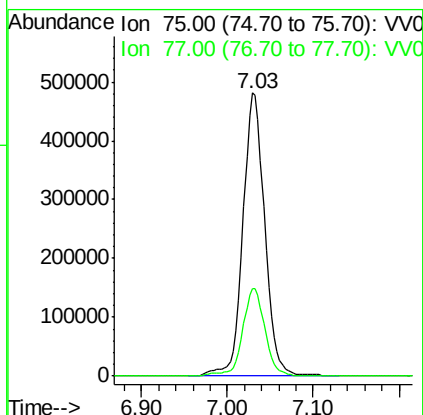
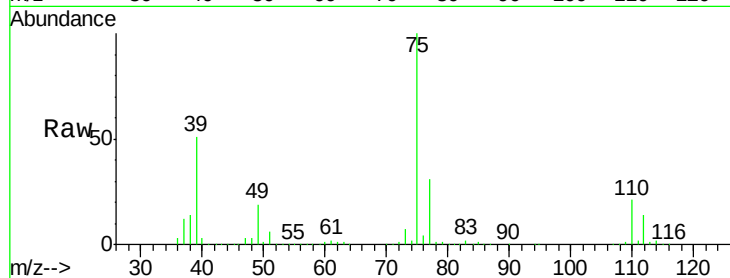


#39

cis-1,3-Dichloropropene
Concen: 112.116 ug/L
RT: 7.03 min Scan# 1847
Delta R.T. -0.00 min
Lab File: VV019846.D
Acq: 28 Dec 2020 12:20

Instrument :
MSVOA_V
ClientSampled :
VSTD10064

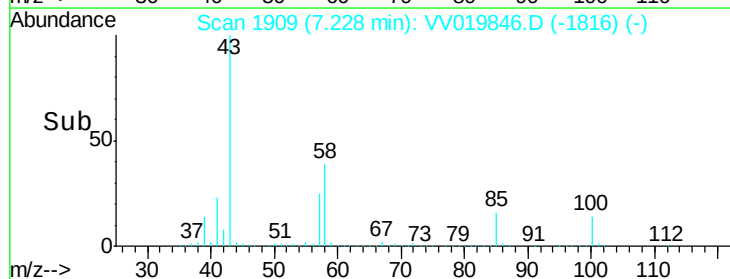
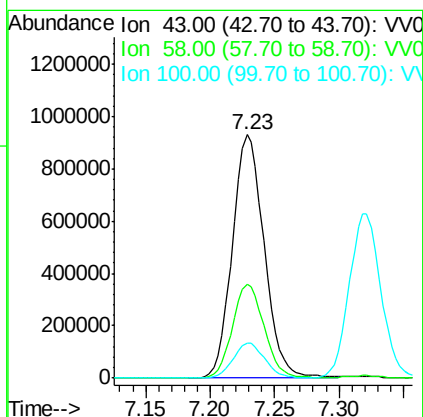
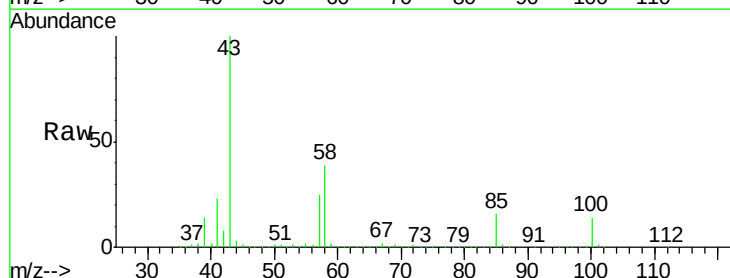
Tgt Ion: 75 Resp: 852633
Ion Ratio Lower Upper
75 100
77 31.1 21.8 40.6

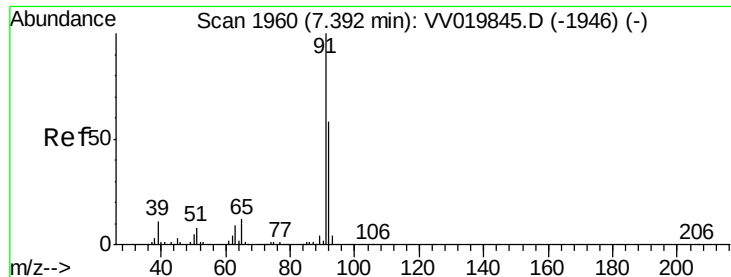


#40

4-Methyl-2-pentanone
Concen: 234.301 ug/L
RT: 7.23 min Scan# 1909
Delta R.T. 0.00 min
Lab File: VV019846.D
Acq: 28 Dec 2020 12:20

Tgt Ion: 43 Resp: 1597084
Ion Ratio Lower Upper
43 100
58 38.7 30.7 46.1
100 14.4 11.6 17.4





#42

Toluene

Concen: 109.583 ug/L

RT: 7.39 min Scan# 1960

Delta R.T. 0.00 min

Lab File: VV019846.D

Acq: 28 Dec 2020 12:20

Instrument :

MSVOA_V

ClientSampleId :

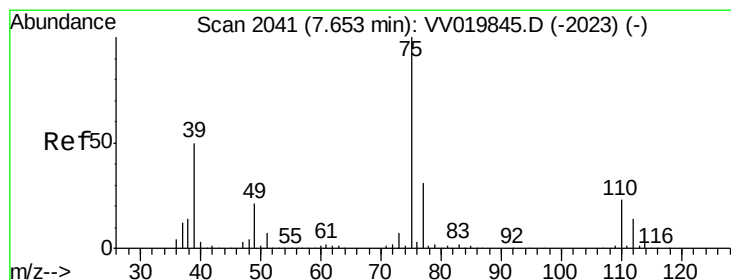
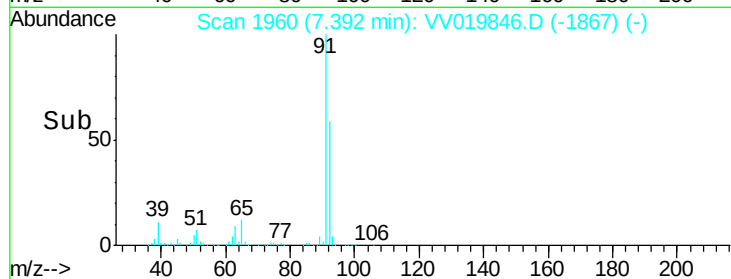
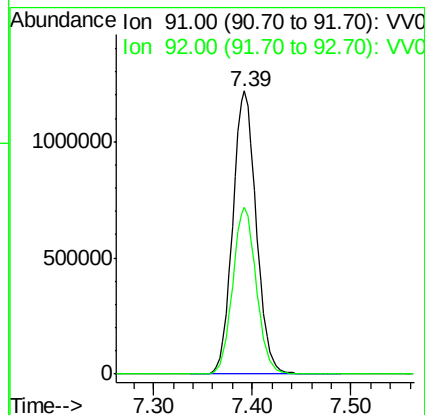
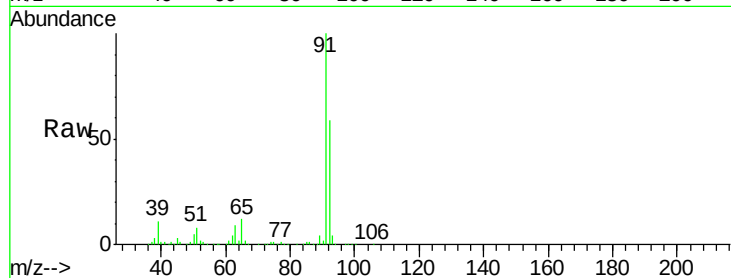
VSTD10064

Tgt Ion: 91 Resp: 2025371

Ion Ratio Lower Upper

91 100

92 58.8 40.7 75.7



#44

trans-1,3-Dichloropropene

Concen: 108.354 ug/L

RT: 7.65 min Scan# 2041

Delta R.T. 0.00 min

Lab File: VV019846.D

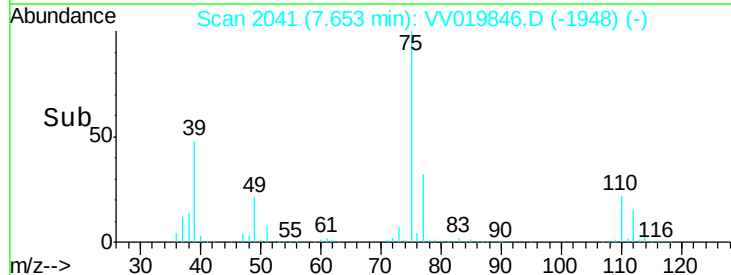
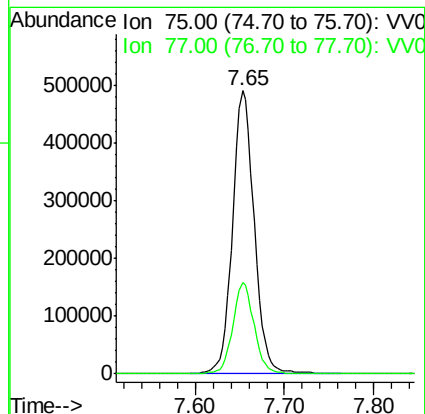
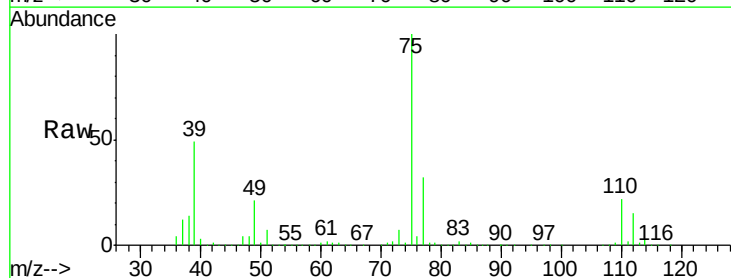
Acq: 28 Dec 2020 12:20

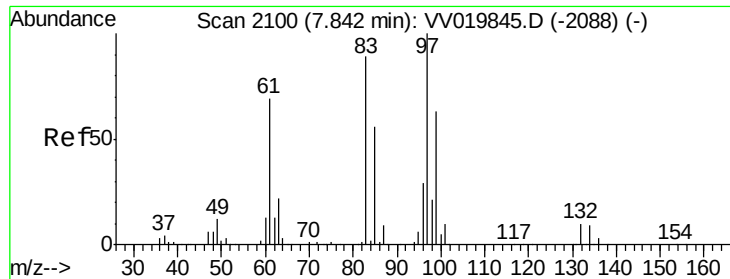
Tgt Ion: 75 Resp: 827378

Ion Ratio Lower Upper

75 100

77 32.3 22.0 41.0





#45

1,1,2-Trichloroethane

Concen: 108.590 ug/L

RT: 7.84 min Scan# 2100

Delta R.T. 0.00 min

Lab File: VV019846.D

Acq: 28 Dec 2020 12:20

Instrument :

MSVOA_V

ClientSampleId :

VSTD10064

Tgt Ion: 97 Resp: 474718

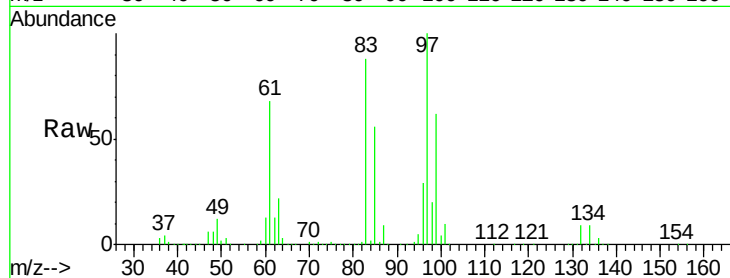
Ion Ratio Lower Upper

97 100

99 62.0 43.8 81.3

83 88.1 62.2 115.4

85 55.7 39.0 72.4

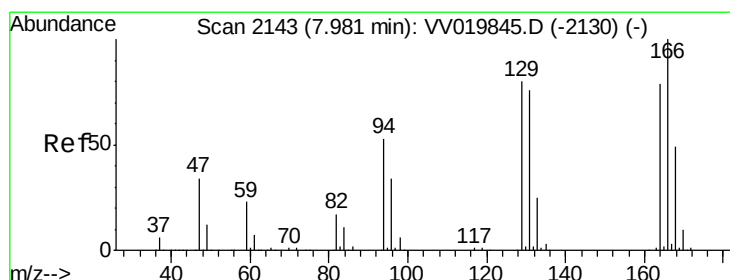
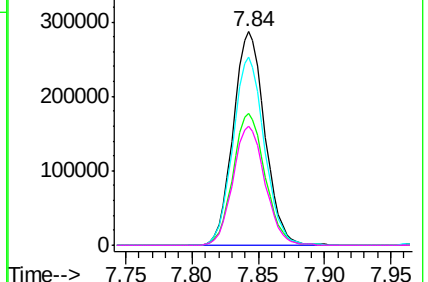
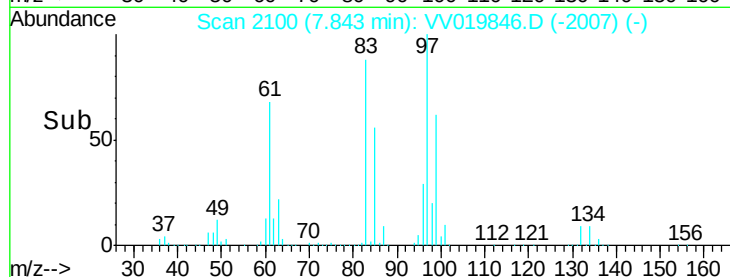


Abundance Ion 97.00 (96.70 to 97.70): VV0

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: 108.201 ug/L

RT: 7.98 min Scan# 2143

Delta R.T. 0.00 min

Lab File: VV019846.D

Acq: 28 Dec 2020 12:20

Tgt Ion: 164 Resp: 342847

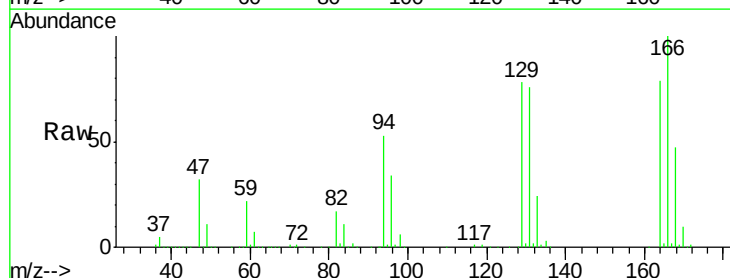
Ion Ratio Lower Upper

164 100

129 99.2 70.6 131.0

131 96.8 66.8 124.0

166 126.6 88.2 163.8

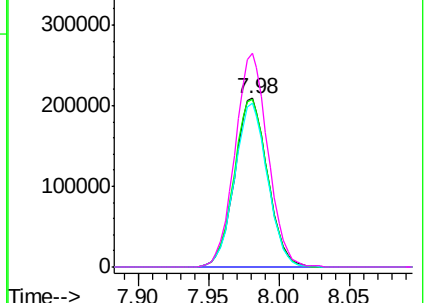
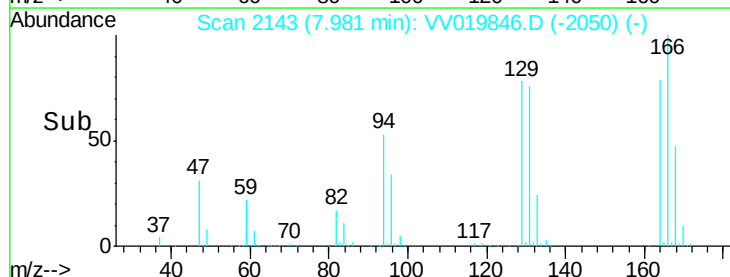


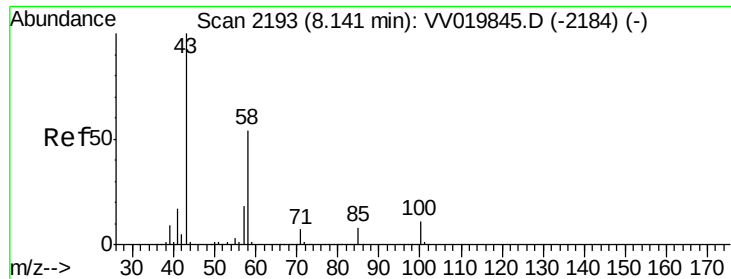
Abundance Ion 164.00 (163.70 to 164.70): V

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

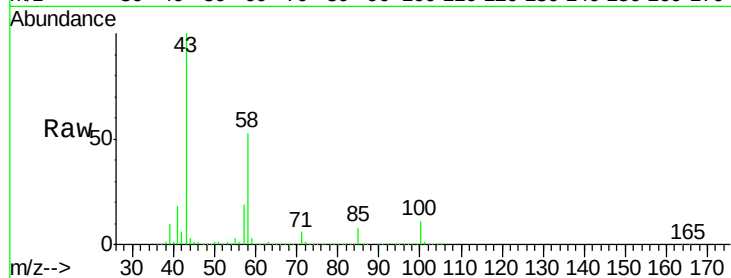




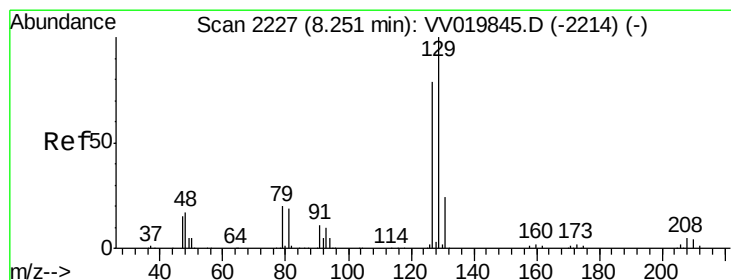
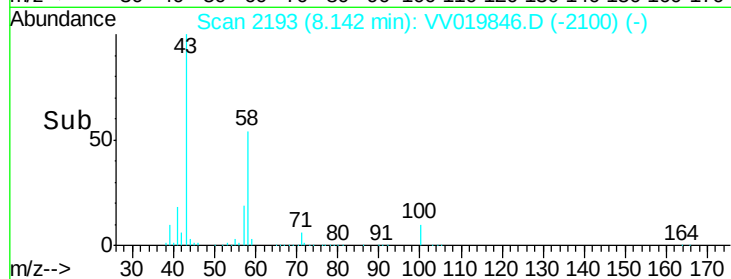
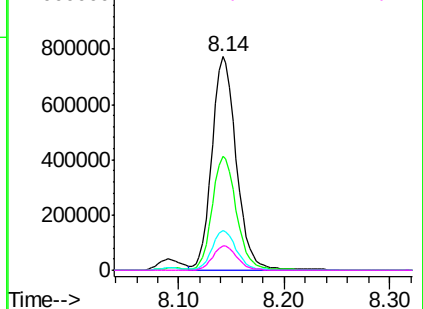
#48
2-Hexanone
Concen: 237.787 ug/L
RT: 8.14 min Scan# 2193
Delta R.T. 0.00 min
Lab File: VV019846.D
Acq: 28 Dec 2020 12:20

Instrument :
MSVOA_V
ClientSampleId :
VSTD10064

Tgt Ion: 43 Resp: 1241791
Ion Ratio Lower Upper
43 100
58 53.4 41.8 62.6
57 18.5 15.0 22.4
100 11.5 8.9 13.3

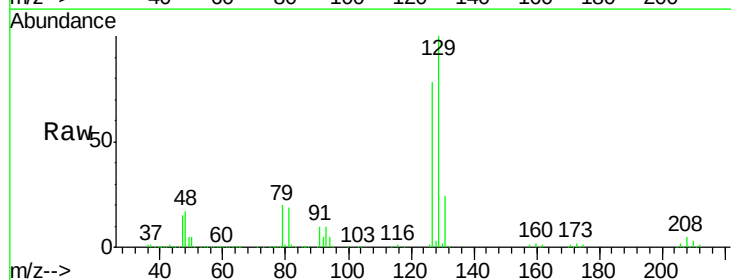


Abundance Ion 43.00 (42.70 to 43.70): VV019846.D (-2100) (-)
Ion 58.00 (57.70 to 58.70): VV019846.D (-2100) (-)
Ion 57.00 (56.70 to 57.70): VV019846.D (-2100) (-)
Ion 100.00 (99.70 to 100.70): VV019846.D (-2100) (-)

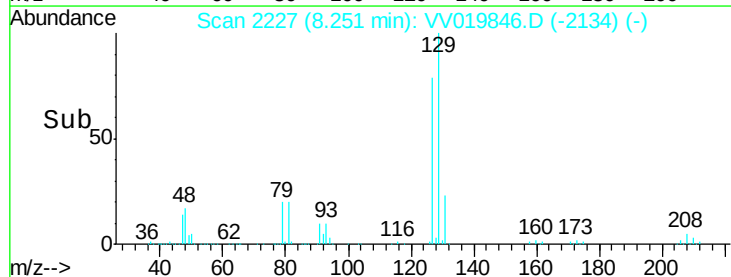
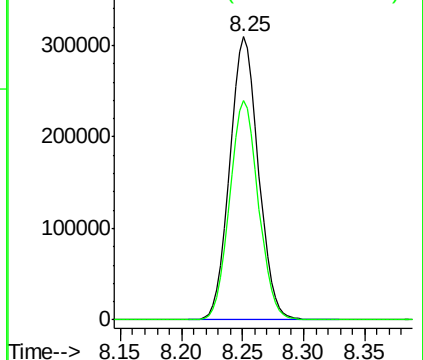


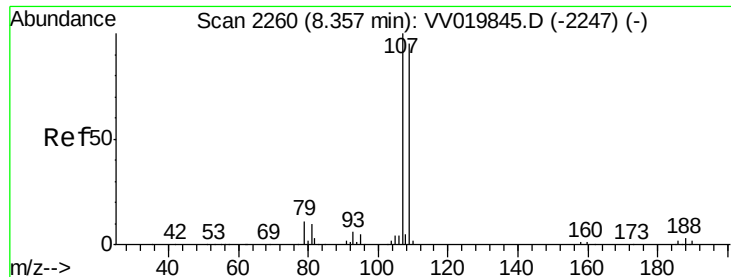
#49
Dibromochloromethane
Concen: 108.030 ug/L
RT: 8.25 min Scan# 2227
Delta R.T. 0.00 min
Lab File: VV019846.D
Acq: 28 Dec 2020 12:20

Tgt Ion: 129 Resp: 508945
Ion Ratio Lower Upper
129 100
127 77.6 55.2 102.6



Abundance Ion 129.00 (128.70 to 129.70): VV019846.D (-2134) (-)
Ion 127.00 (126.70 to 127.70): VV019846.D (-2134) (-)

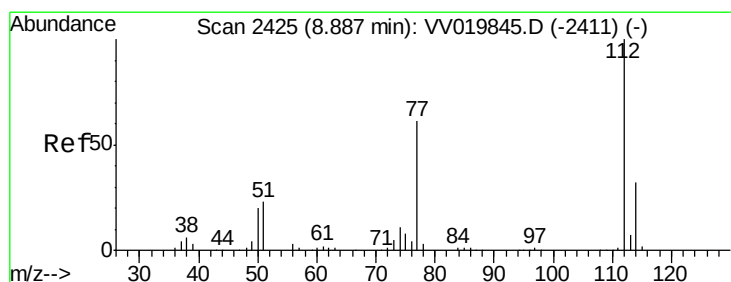
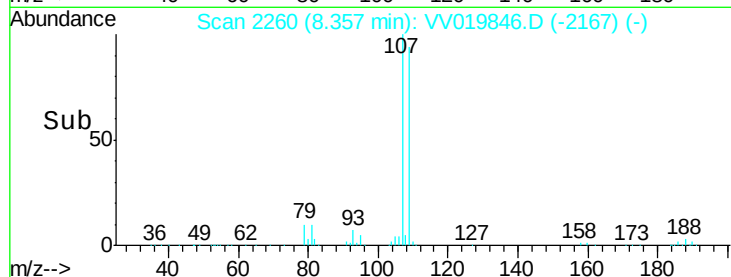
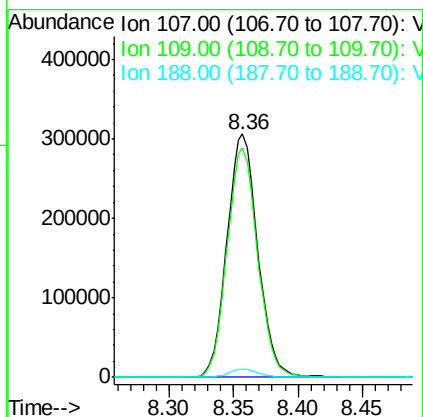
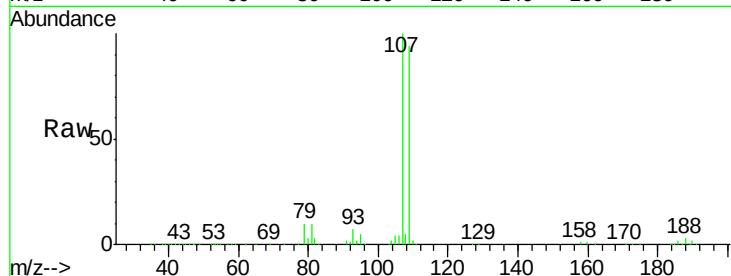




#50
1,2-Dibromoethane
Concen: 110.610 ug/L
RT: 8.36 min Scan# 2260
Delta R.T. 0.00 min
Lab File: VV019846.D
Acq: 28 Dec 2020 12:20

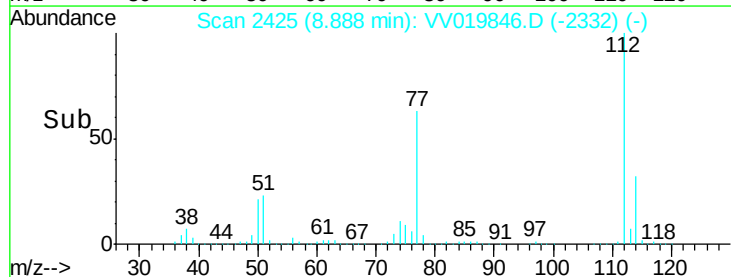
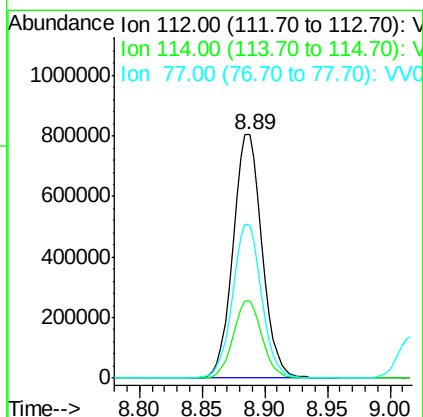
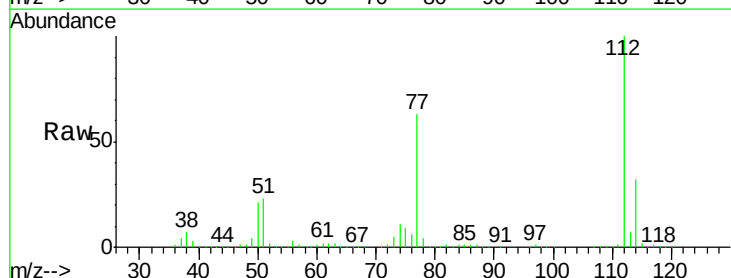
Instrument :
MSVOA_V
ClientSampleId :
VSTD10064

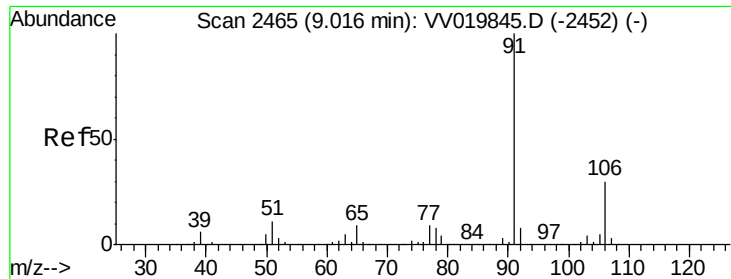
Tgt Ion:107 Resp: 507238
Ion Ratio Lower Upper
107 100
109 94.2 66.2 123.0
188 3.4 2.6 3.8



#51
Chlorobenzene
Concen: 109.762 ug/L
RT: 8.89 min Scan# 2425
Delta R.T. 0.00 min
Lab File: VV019846.D
Acq: 28 Dec 2020 12:20

Tgt Ion:112 Resp: 1291530
Ion Ratio Lower Upper
112 100
114 31.8 22.2 41.2
77 62.5 49.0 73.6





#52

Ethylbenzene

Concen: 109.806 ug/L

RT: 9.02 min Scan# 2465

Delta R.T. 0.00 min

Lab File: VV019846.D

Acq: 28 Dec 2020 12:20

Instrument :

MSVOA_V

ClientSampleId :

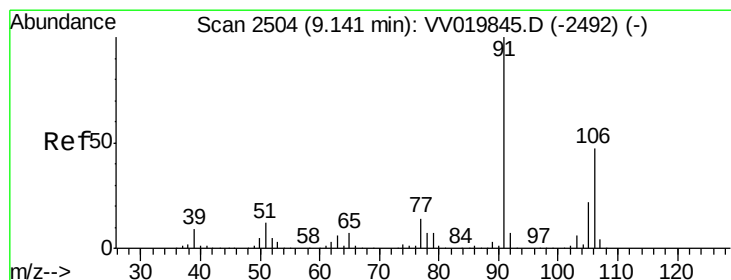
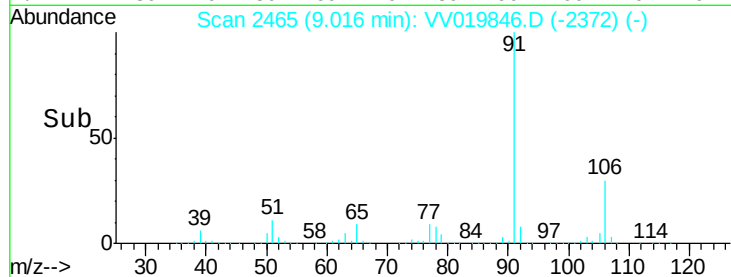
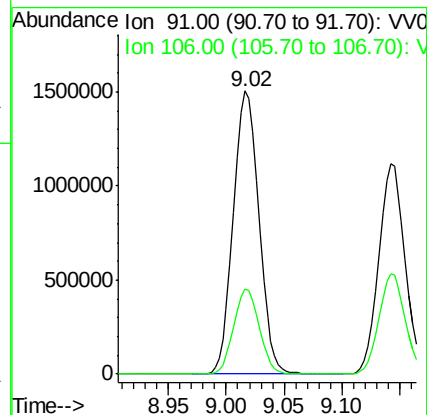
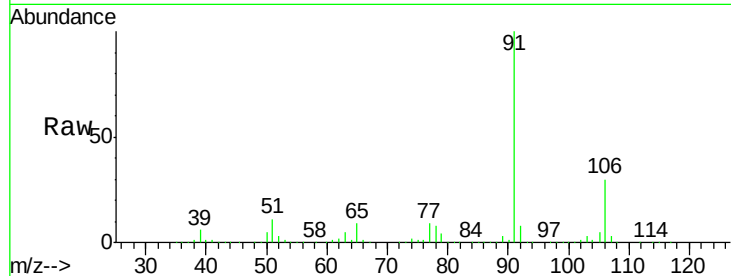
VSTD10064

Tgt Ion: 91 Resp: 2298304

Ion Ratio Lower Upper

91 100

106 30.1 21.0 39.0



#53

m,p-Xylene

Concen: 109.201 ug/L

RT: 9.14 min Scan# 2504

Delta R.T. 0.00 min

Lab File: VV019846.D

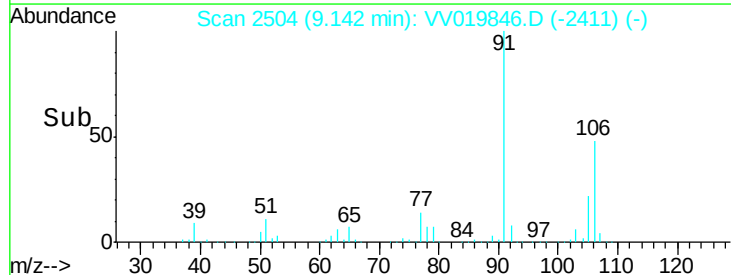
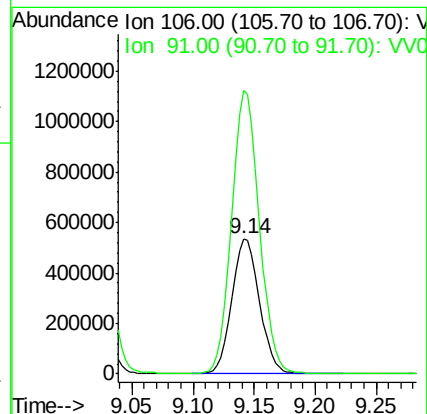
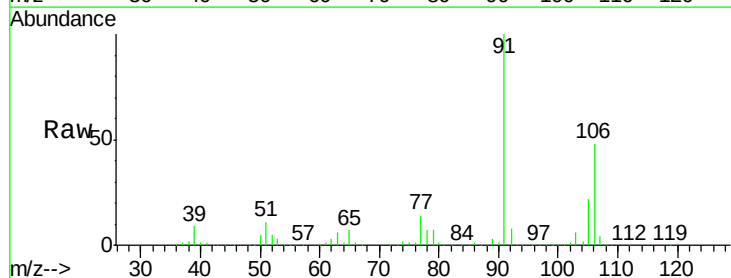
Acq: 28 Dec 2020 12:20

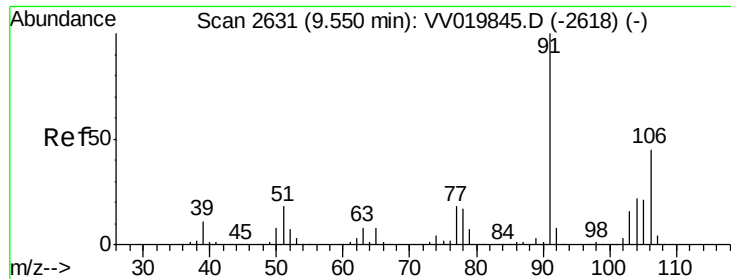
Tgt Ion: 106 Resp: 849636

Ion Ratio Lower Upper

106 100

91 209.4 148.1 275.0





#54

o-xylene

Concen: 108.967 ug/L

RT: 9.55 min Scan# 2631

Delta R.T. 0.00 min

Lab File: VV019846.D

Acq: 28 Dec 2020 12:20

Instrument :

MSVOA_V

ClientSampleId :

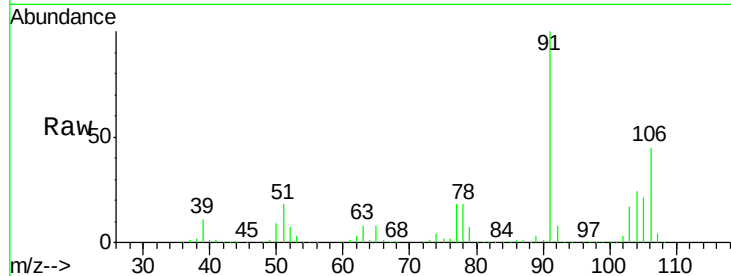
VSTD10064

Tgt Ion:106 Resp: 830602

Ion Ratio Lower Upper

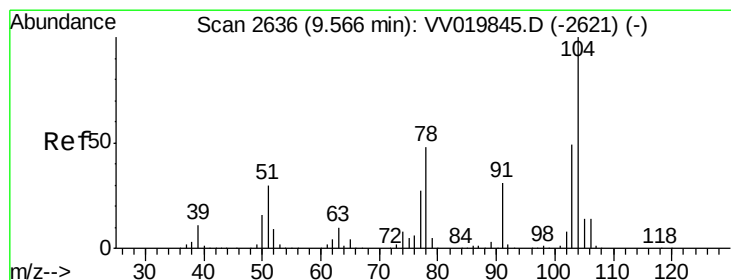
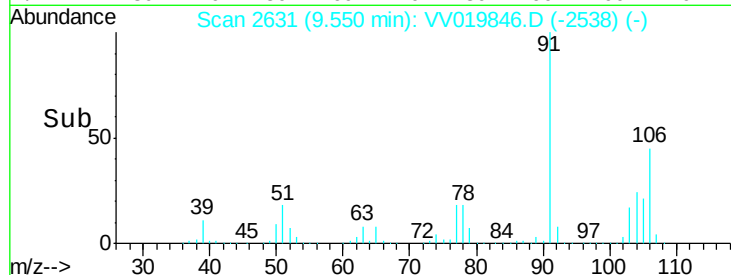
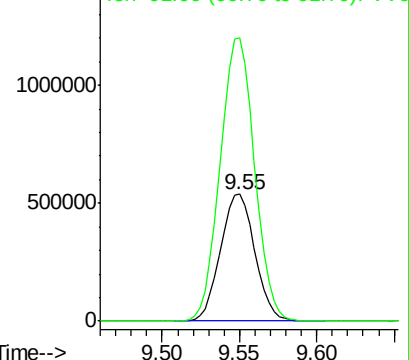
106 100

91 222.9 156.4 290.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 110.070 ug/L

RT: 9.57 min Scan# 2636

Delta R.T. 0.00 min

Lab File: VV019846.D

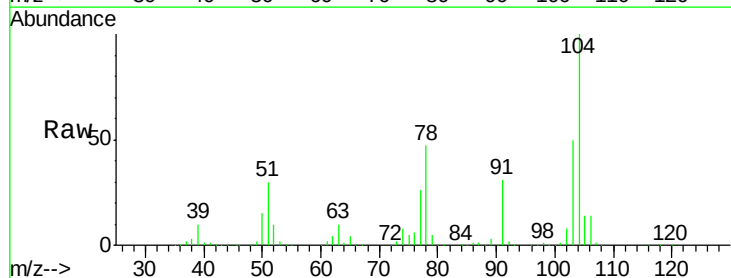
Acq: 28 Dec 2020 12:20

Tgt Ion:104 Resp: 1467021

Ion Ratio Lower Upper

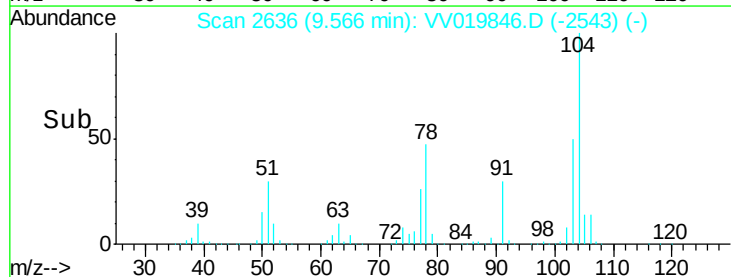
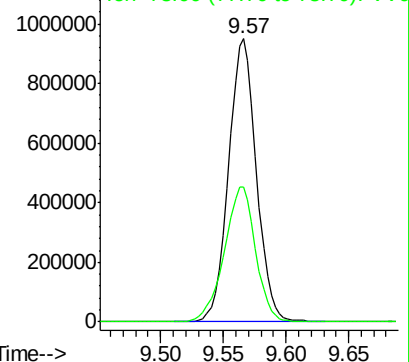
104 100

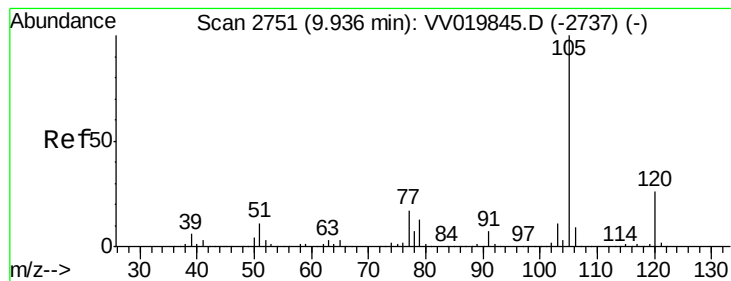
78 47.5 33.7 62.5



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 108.691 ug/L

RT: 9.94 min Scan# 2751

Delta R.T. 0.00 min

Lab File: VV019846.D

Acq: 28 Dec 2020 12:20

Instrument :

MSVOA_V

ClientSampleId :

VSTD10064

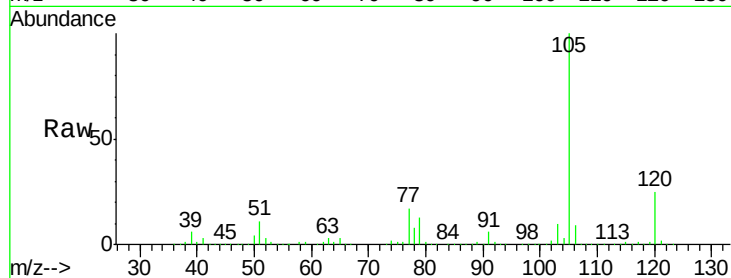
Tgt Ion:105 Resp: 2205491

Ion Ratio Lower Upper

105 100

120 25.8 20.5 30.7

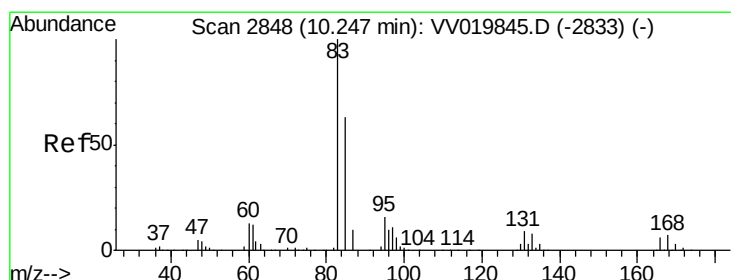
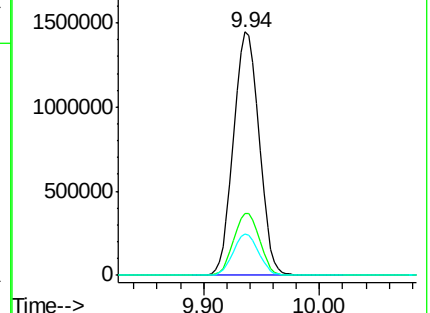
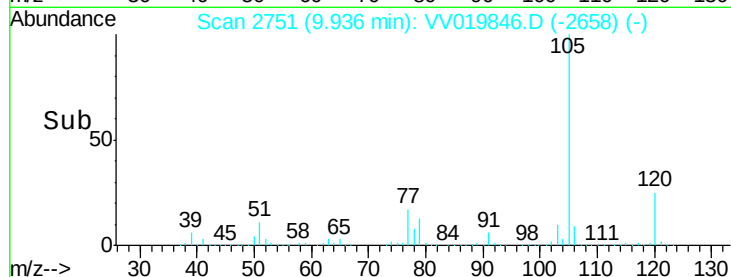
77 16.9 13.6 20.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 110.718 ug/L

RT: 10.25 min Scan# 2848

Delta R.T. 0.00 min

Lab File: VV019846.D

Acq: 28 Dec 2020 12:20

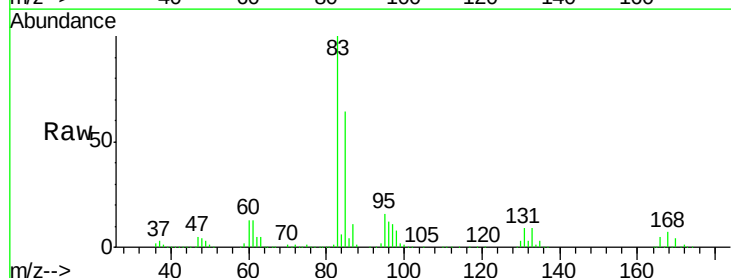
Tgt Ion: 83 Resp: 782459

Ion Ratio Lower Upper

83 100

85 64.1 44.3 82.3

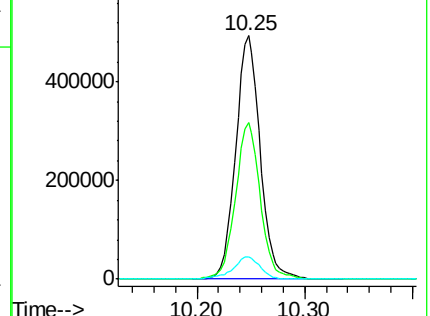
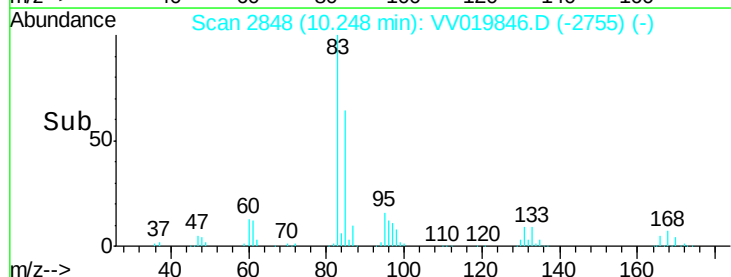
131 9.1 7.3 10.9

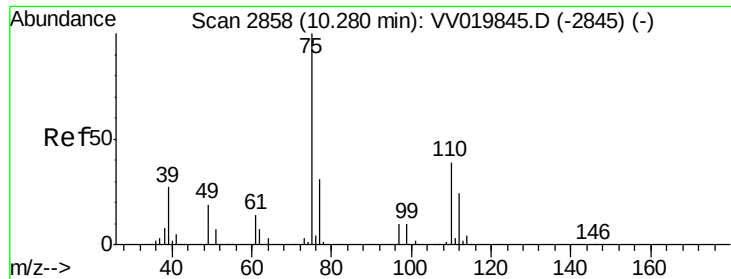


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 112.666 ug/L

RT: 10.28 min Scan# 2858

Delta R.T. 0.00 min

Lab File: VV019846.D

Acq: 28 Dec 2020 12:20

Instrument :

MSVOA_V

ClientSampleId :

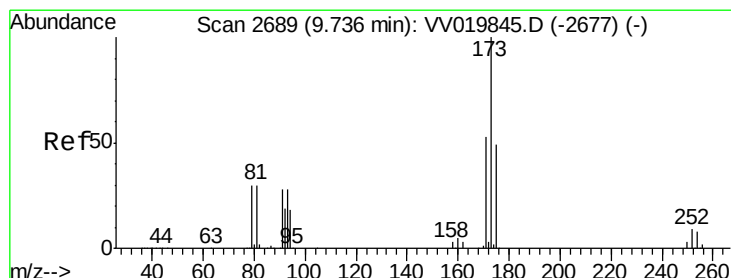
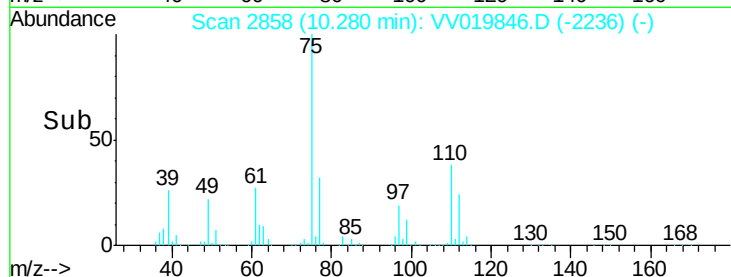
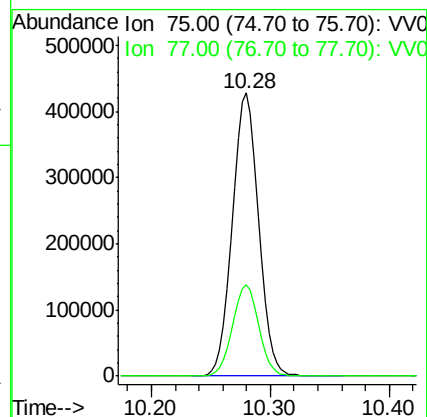
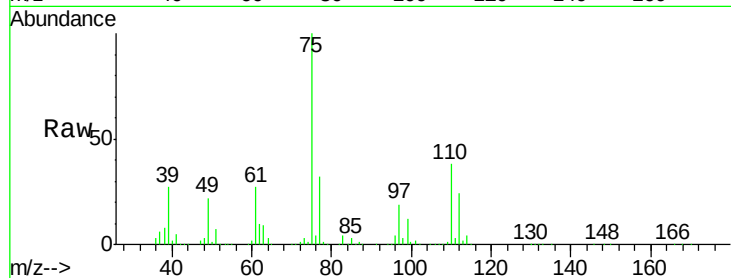
VSTD10064

Tgt Ion: 75 Resp: 654691

Ion Ratio Lower Upper

75 100

77 32.2 25.4 38.0



#61

Bromoform

Concen: 102.882 ug/L

RT: 9.74 min Scan# 2689

Delta R.T. 0.00 min

Lab File: VV019846.D

Acq: 28 Dec 2020 12:20

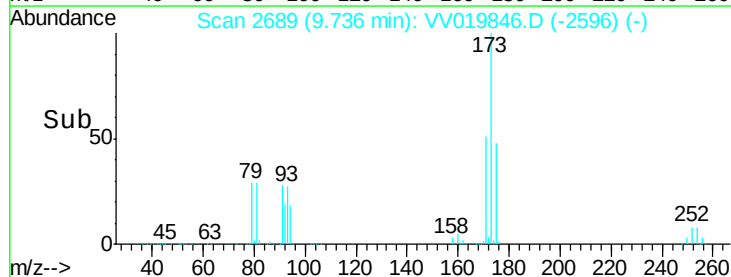
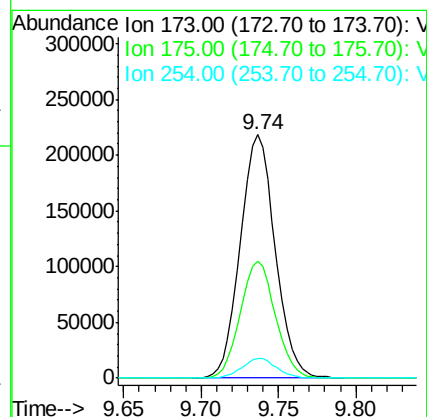
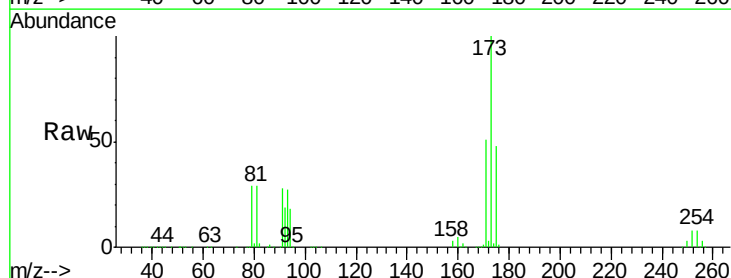
Tgt Ion: 173 Resp: 341993

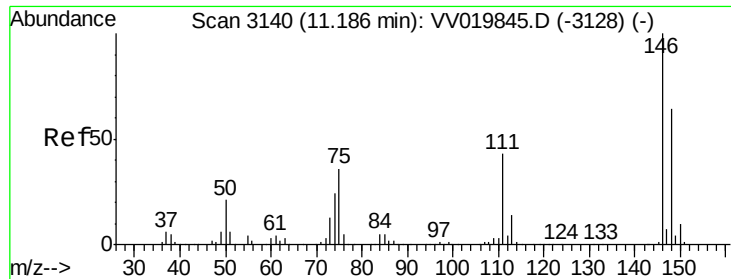
Ion Ratio Lower Upper

173 100

175 48.4 38.6 57.8

254 8.0 6.5 9.7

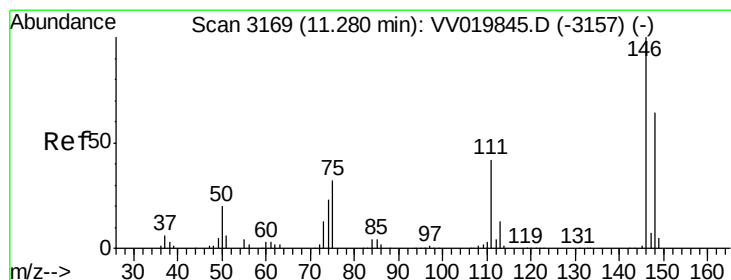
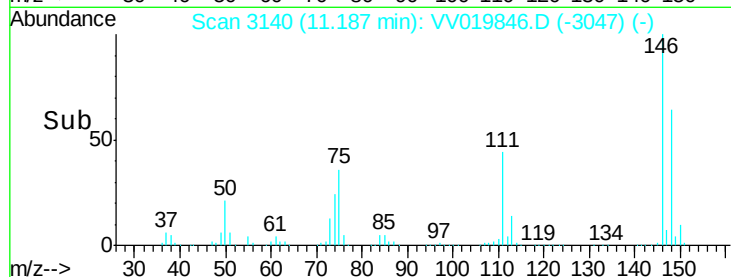
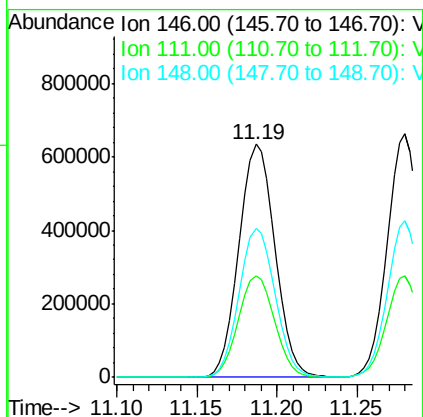
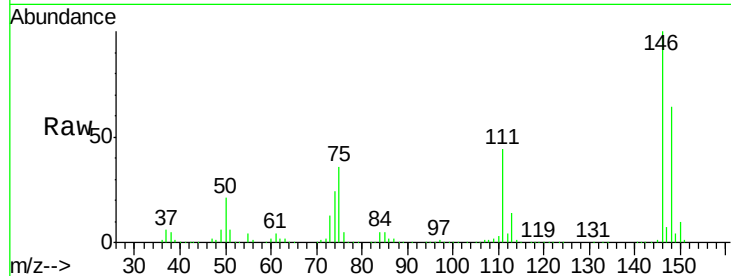




#62
 1,3-Dichlorobenzene
 Concen: 104.943 ug/L
 RT: 11.19 min Scan# 3140
 Delta R.T. 0.00 min
 Lab File: VV019846.D
 Acq: 28 Dec 2020 12:20

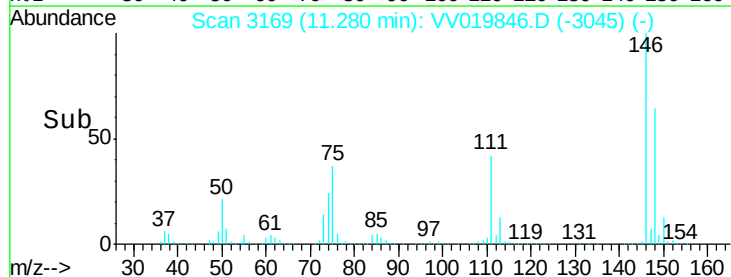
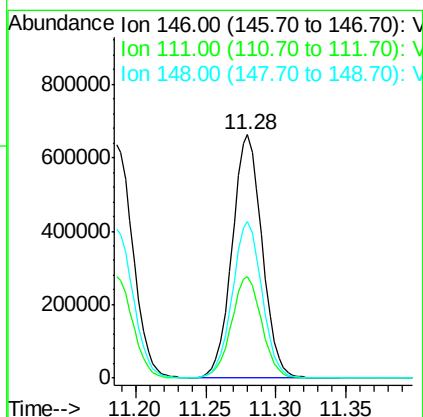
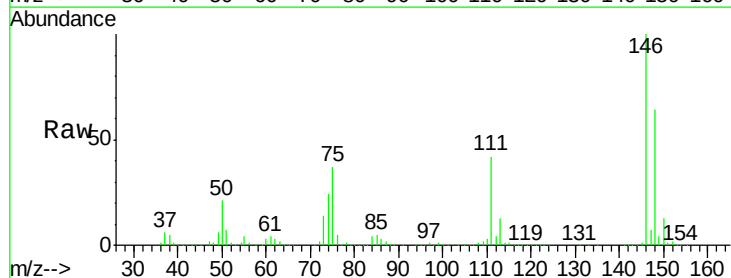
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10064

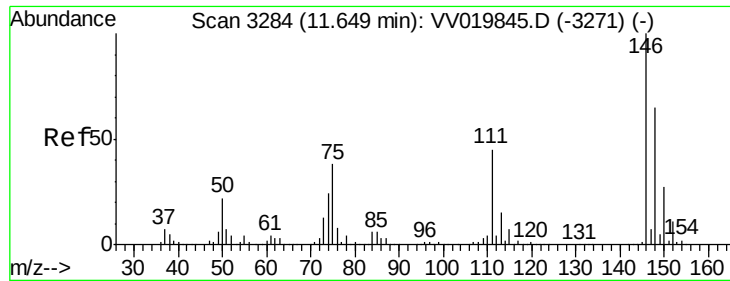
Tgt Ion:146 Resp: 975474
 Ion Ratio Lower Upper
 146 100
 111 43.5 30.2 56.2
 148 63.8 45.0 83.6



#63
 1,4-Dichlorobenzene
 Concen: 104.833 ug/L
 RT: 11.28 min Scan# 3169
 Delta R.T. 0.00 min
 Lab File: VV019846.D
 Acq: 28 Dec 2020 12:20

Tgt Ion:146 Resp: 987881
 Ion Ratio Lower Upper
 146 100
 111 41.6 29.4 54.6
 148 64.2 44.7 83.1

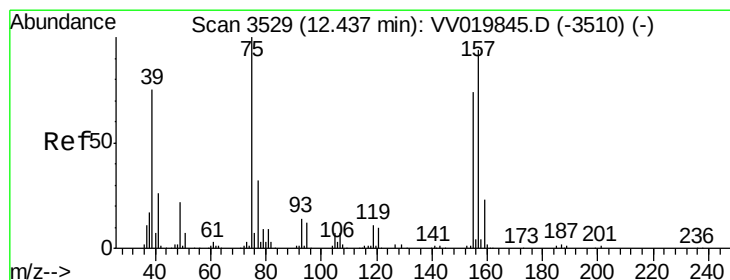
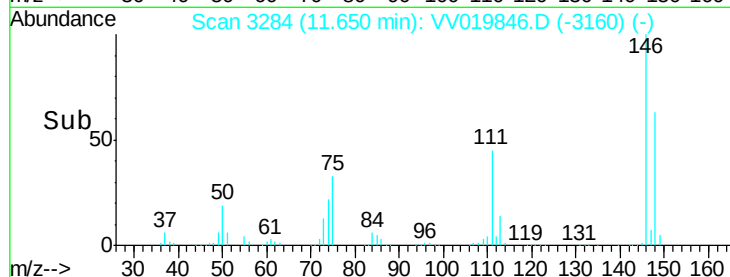
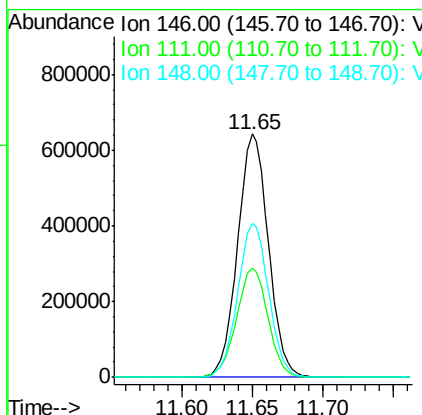
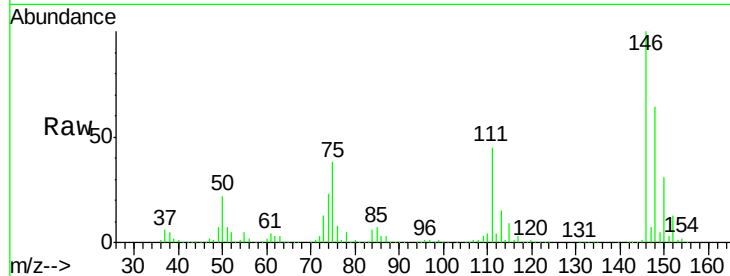




#65
 1,2-Dichlorobenzene
 Concen: 106.759 ug/L
 RT: 11.65 min Scan# 3284
 Delta R.T. 0.00 min
 Lab File: VV019846.D
 Acq: 28 Dec 2020 12:20

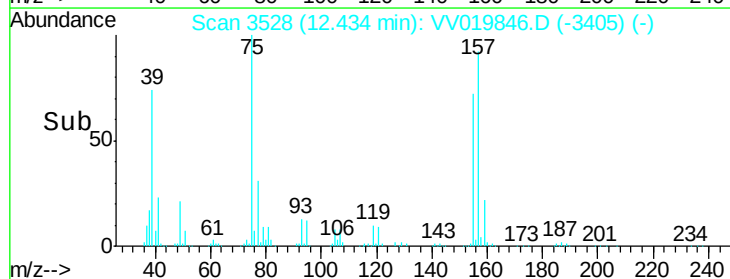
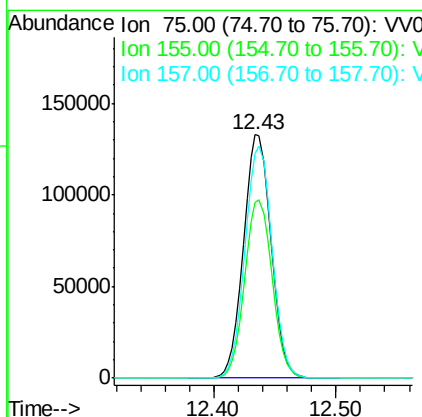
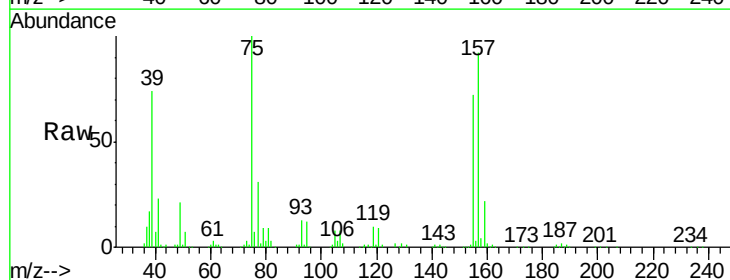
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10064

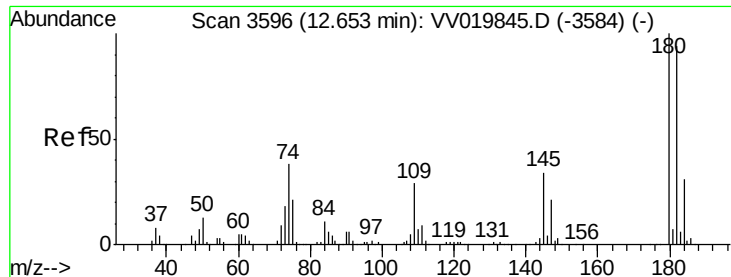
Tgt Ion: 146 Resp: 984278
 Ion Ratio Lower Upper
 146 100
 111 45.1 36.3 54.5
 148 63.5 51.7 77.5



#66
 1,2-Dibromo-3-chloropropane
 Concen: 106.619 ug/L
 RT: 12.43 min Scan# 3528
 Delta R.T. -0.00 min
 Lab File: VV019846.D
 Acq: 28 Dec 2020 12:20

Tgt Ion: 75 Resp: 205878
 Ion Ratio Lower Upper
 75 100
 155 72.1 59.1 88.7
 157 92.4 75.4 113.0

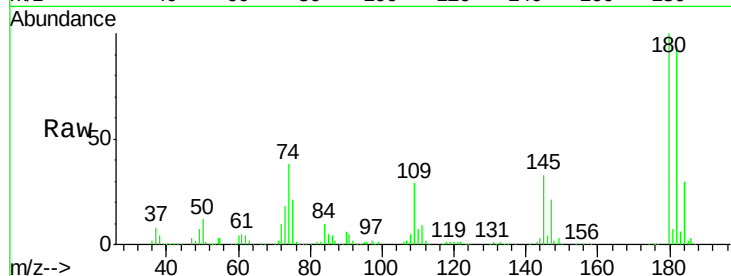




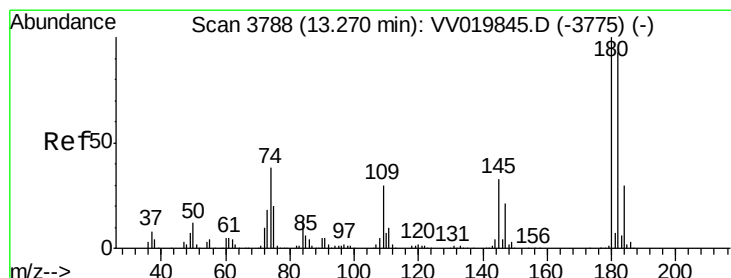
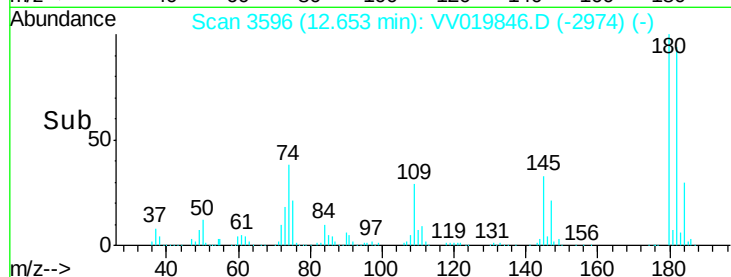
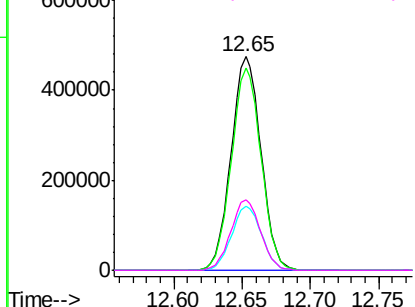
#67
 1,3,5-Trichlorobenzene
 Concen: 109.147 ug/L
 RT: 12.65 min Scan# 3596
 Delta R.T. 0.00 min
 Lab File: VV019846.D
 Acq: 28 Dec 2020 12:20

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10064

Tgt Ion:180 Resp: 720122
 Ion Ratio Lower Upper
 180 100
 182 94.3 75.0 112.6
 184 30.1 24.0 36.0
 145 32.8 25.8 38.6

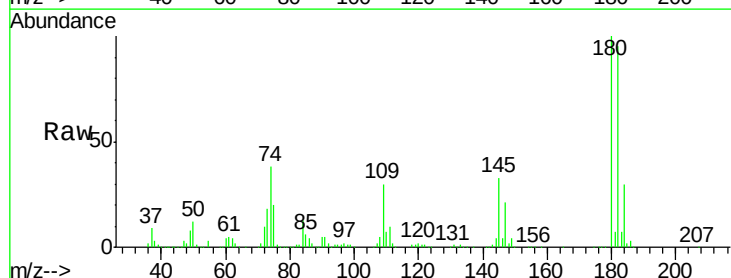


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

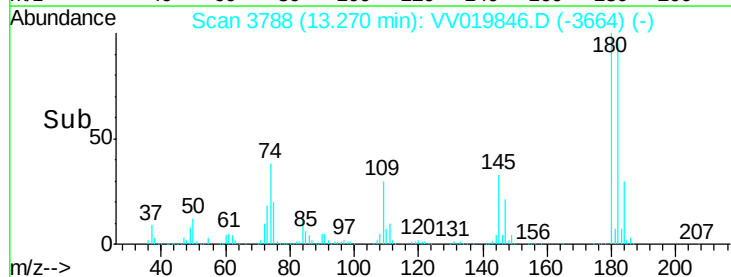
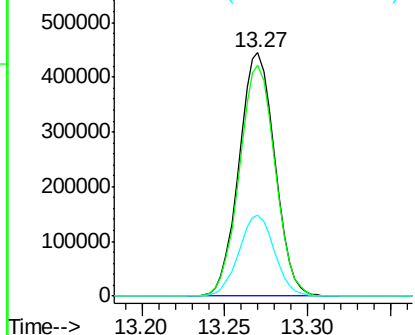


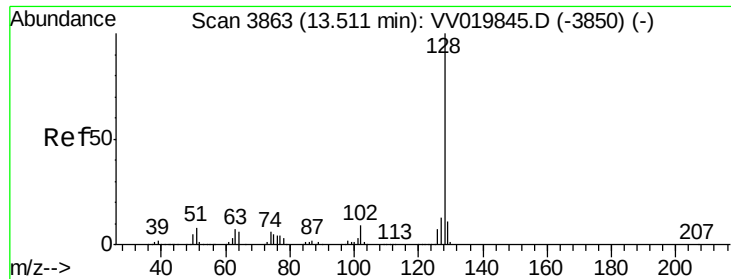
#68
 1,2,4-trichlorobenzene
 Concen: 109.410 ug/L
 RT: 13.27 min Scan# 3788
 Delta R.T. 0.00 min
 Lab File: VV019846.D
 Acq: 28 Dec 2020 12:20

Tgt Ion:180 Resp: 669746
 Ion Ratio Lower Upper
 180 100
 182 94.7 75.1 112.7
 145 32.9 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: 108.475 ug/L

RT: 13.51 min Scan# 3863

Delta R.T. 0.00 min

Lab File: VV019846.D

Acq: 28 Dec 2020 12:20

Instrument :

MSVOA_V

ClientSampleId :

VSTD10064

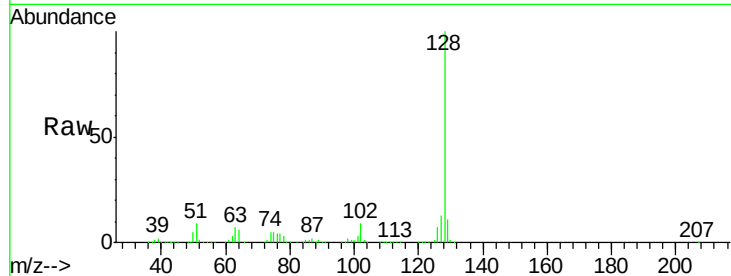
Tgt Ion:128 Resp: 2290860

Ion Ratio Lower Upper

128 100

127 12.9 10.3 15.5

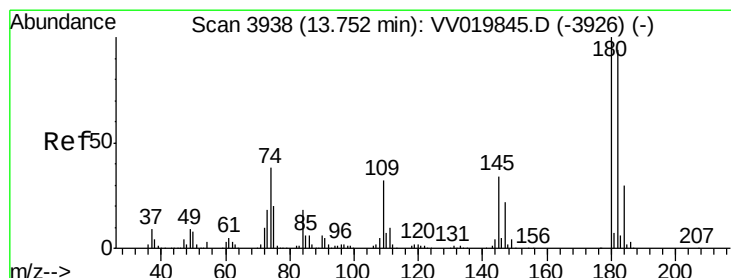
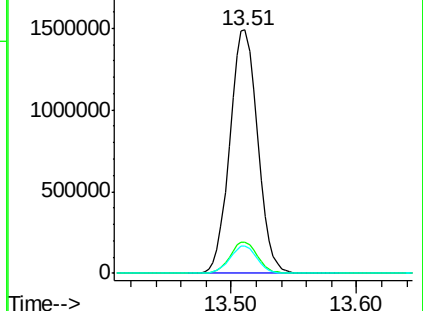
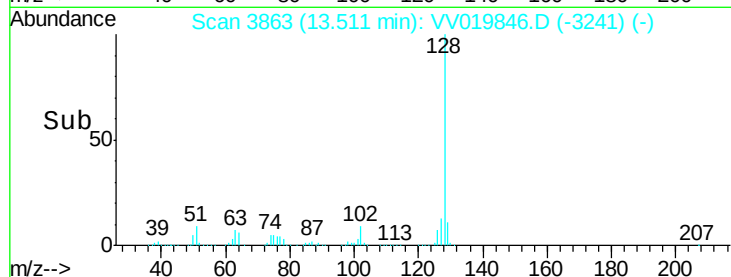
129 11.0 8.6 13.0



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: 108.863 ug/L

RT: 13.75 min Scan# 3938

Delta R.T. 0.00 min

Lab File: VV019846.D

Acq: 28 Dec 2020 12:20

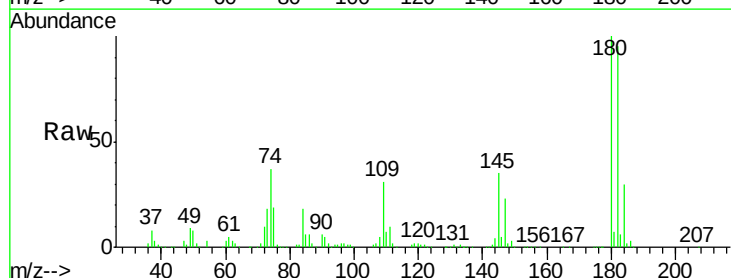
Tgt Ion:180 Resp: 651345

Ion Ratio Lower Upper

180 100

182 95.2 76.1 114.1

145 35.4 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

