

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV010721\
 Data File : VV019935.D
 Acq On : 07 Jan 2021 20:33
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05079

Quant Time: Jan 08 01:34:50 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM122820WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jan 08 01:32:18 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.62	114	520790	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.86	117	513819	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.25	152	264259	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	167669	41.60	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	83.20%
7) Chloroethane-d5	1.57	69	146414	45.71	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	91.42%
11) 1,1-Dichloroethene-d2	2.11	63	356521	46.80	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.60%
21) 2-Butanone-d5	3.89	46	307460	102.93	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	102.93%
24) Chloroform-d	4.35	84	366489	48.13	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.26%
26) 1,2-Dichloroethane-d4	5.04	65	249617	50.15	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.30%
32) Benzene-d6	5.05	84	665234	44.96	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.92%
36) 1,2-Dichloropropane-d6	6.07	67	222786	45.79	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	91.58%
41) Toluene-d8	7.32	98	588032	44.65	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.30%
43) trans-1,3-Dichloropropene-	7.63	79	104090	43.04	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.08%
47) 2-Hexanone-d5	8.09	63	201057	99.99	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	99.99%
57) 1,1,2,2-Tetrachloroethane-	10.22	84	312494	49.39	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.78%
64) 1,2-Dichlorobenzene-d4	11.63	152	231737	45.85	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.70%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.13	85	192188	47.539	ug/L 99
3) Chloromethane	1.24	50	228441	46.139	ug/L 99
5) Vinyl chloride	1.31	62	229108	47.361	ug/L 100
6) Bromomethane	1.52	94	136259	46.497	ug/L 97
8) Chloroethane	1.59	64	148682	49.440	ug/L 100
9) Trichlorofluoromethane	1.75	101	303190	51.737	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	163141	49.430	ug/L 99
12) 1,1-Dichloroethene	2.12	96	164275	49.603	ug/L 92
13) Acetone	2.19	43	222629	96.275	ug/L 100
14) Carbon disulfide	2.30	76	453571	42.040	ug/L 100
15) Methyl Acetate	2.44	43	231519	49.275	ug/L 99
16) Methylene chloride	2.51	84	199094	47.866	ug/L 98
17) trans-1,2-Dichloroethene	2.76	96	173542	46.835	ug/L 94
18) Methyl tert-butyl Ether	2.77	73	599837	47.946	ug/L 99
19) 1,1-Dichloroethane	3.19	63	370337	49.529	ug/L 99
20) cis-1,2-Dichloroethene	3.92	96	194906	48.078	ug/L 98
22) 2-Butanone	3.98	43	325369	100.219	ug/L 96

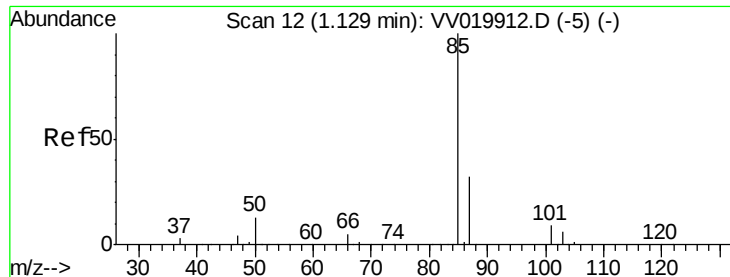
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV010721\
 Data File : VV019935.D
 Acq On : 07 Jan 2021 20:33
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 Quant Title : VOC Analysis
 QLast Update : Fri Jan 08 01:32:18 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.25	128	94357	47.106	ug/L	98
25) Chloroform	4.38	83	368179	49.915	ug/L	97
27) 1,2-Dichloroethane	5.14	62	310252	51.017	ug/L	99
29) Cyclohexane	4.68	56	292901	44.524	ug/L	99
30) 1,1,1-Trichloroethane	4.61	97	311999	47.427	ug/L	99
31) Carbon tetrachloride	4.83	117	255858	47.263	ug/L	100
33) Benzene	5.10	78	769318	47.603	ug/L	100
34) Trichloroethene	5.92	95	200567	46.781	ug/L	99
35) Methylcyclohexane	6.14	83	283391	44.075	ug/L	100
37) 1,2-Dichloropropane	6.18	63	210957	48.608	ug/L	100
38) Bromodichloromethane	6.51	83	270374	47.652	ug/L	100
39) cis-1,3-Dichloropropene	7.03	75	315431	47.185	ug/L	100
40) 4-Methyl-2-pentanone	7.23	43	641975	98.789	ug/L	97
42) Toluene	7.39	91	797362	48.166	ug/L	99
44) trans-1,3-Dichloropropene	7.65	75	300669	46.114	ug/L	100
45) 1,1,2-Trichloroethane	7.84	97	191005	47.979	ug/L	99
46) Tetrachloroethene	7.98	164	132503	46.278	ug/L	98
48) 2-Hexanone	8.14	43	499975	99.513	ug/L	99
49) Dibromochloromethane	8.25	129	193841	47.090	ug/L	99
50) 1,2-Dibromoethane	8.36	107	195194	46.718	ug/L	100
51) Chlorobenzene	8.89	112	504157	47.759	ug/L	98
52) Ethylbenzene	9.02	91	901577	48.398	ug/L	98
53) m,p-Xylene	9.14	106	323205	47.635	ug/L	100
54) o-xylene	9.55	106	321049	48.398	ug/L	99
55) Styrene	9.57	104	573445	49.740	ug/L	99
56) Isopropylbenzene	9.94	105	870885	49.021	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.25	83	311581	49.277	ug/L	99
59) 1,2,3-Trichloropropane	10.28	75	265691	48.156	ug/L	98
61) Bromoform	9.74	173	119880	44.109	ug/L	100
62) 1,3-Dichlorobenzene	11.19	146	385646	47.938	ug/L	99
63) 1,4-Dichlorobenzene	11.28	146	389753	47.106	ug/L	100
65) 1,2-Dichlorobenzene	11.65	146	396242	48.252	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.44	75	72067	46.104	ug/L	96
67) 1,3,5-Trichlorobenzene	12.65	180	270002	46.519	ug/L	99
68) 1,2,4-trichlorobenzene	13.27	180	245430	47.492	ug/L	99
69) Naphthalene	13.51	128	820872	50.500	ug/L	100
70) 1,2,3-Trichlorobenzene	13.75	180	250747	49.923	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 47.539 ug/L

RT: 1.13 min Scan# 12

Delta R.T. 0.00 min

Lab File: VV019935.D

Acq: 07 Jan 2021 20:33

Instrument :

MSVOA_V

ClientSampleId :

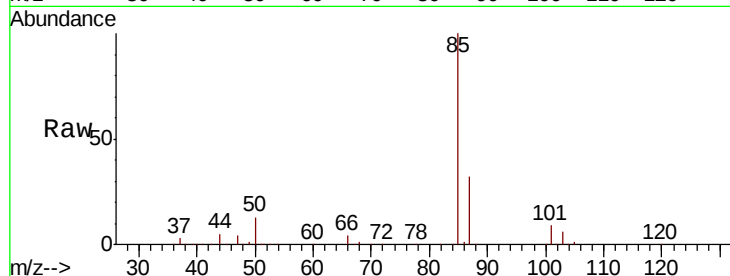
VSTD05079

Tot Ion: 85 Resp: 192188

Ion Ratio Lower Upper

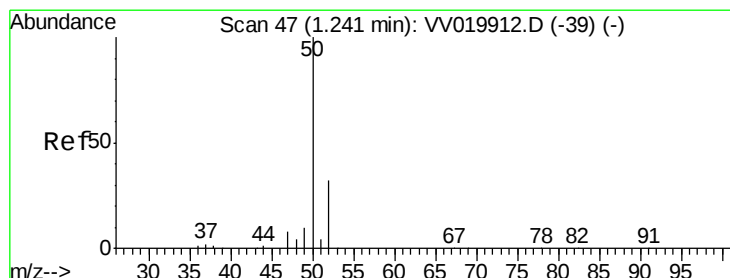
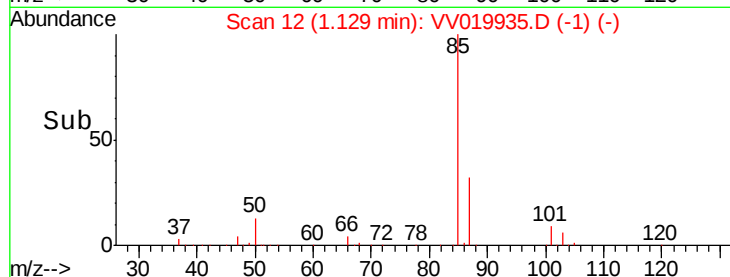
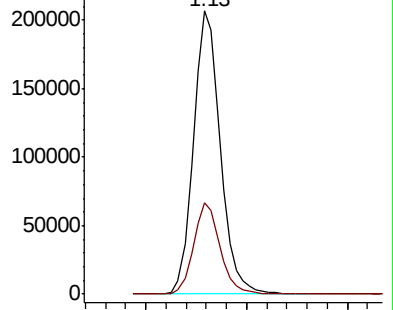
85 100

87 31.8 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VV019935.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VV019935.D (-1) (-)



#3

Chloromethane

Concen: 46.139 ug/L

RT: 1.24 min Scan# 47

Delta R.T. 0.00 min

Lab File: VV019935.D

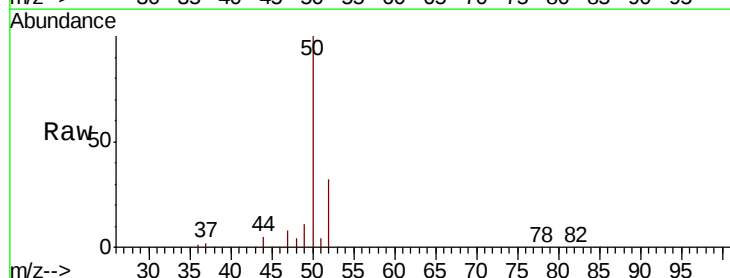
Acq: 07 Jan 2021 20:33

Tgt Ion: 50 Resp: 228441

Ion Ratio Lower Upper

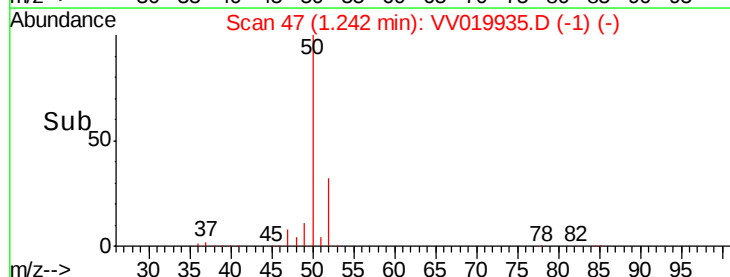
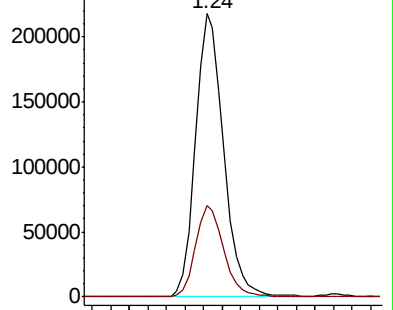
50 100

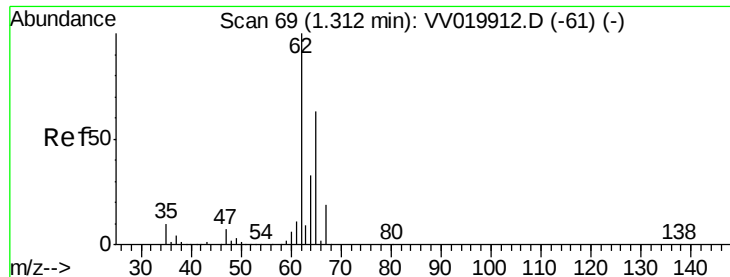
52 32.1 22.7 42.1



Abundance Ion 50.00 (49.70 to 50.70): VV019935.D (-1) (-)

Ion 52.00 (51.70 to 52.70): VV019935.D (-1) (-)





#5

Vinyl chloride

Concen: 47.361 ug/L

RT: 1.31 min Scan# 69

Delta R.T. 0.00 min

Lab File: VV019935.D

Acq: 07 Jan 2021 20:33

Instrument :

MSVOA_V

ClientSampleId :

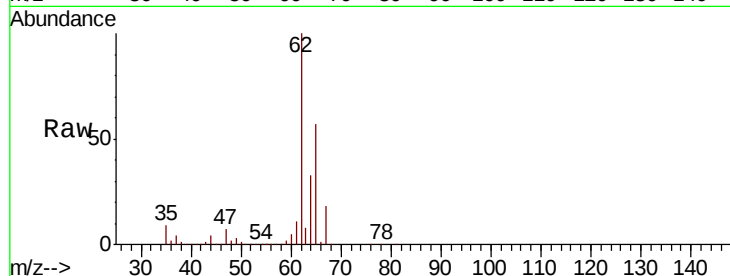
VSTD05079

Tot Ion: 62 Resp: 229108

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

250000

200000

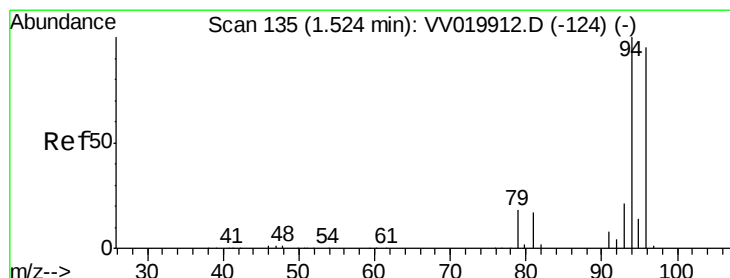
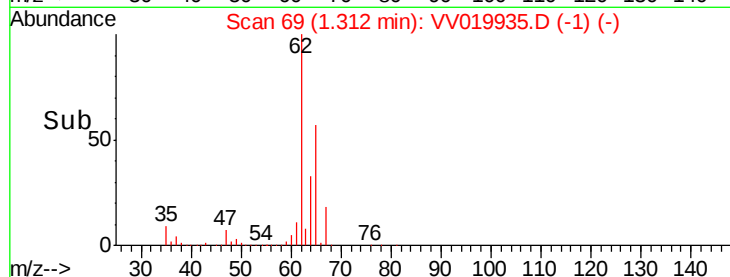
150000

100000

50000

0

Time--> 1.25 1.30 1.35 1.40



#6

Bromomethane

Concen: 46.497 ug/L

RT: 1.52 min Scan# 135

Delta R.T. 0.00 min

Lab File: VV019935.D

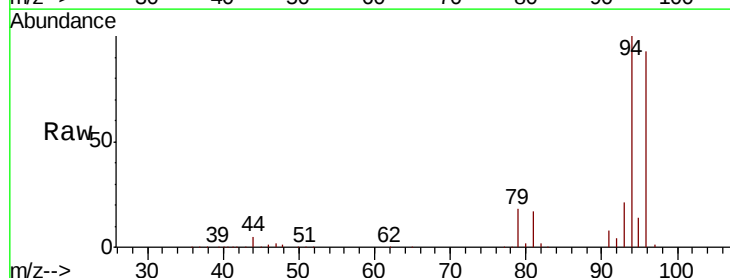
Acq: 07 Jan 2021 20:33

Tgt Ion: 94 Resp: 136259

Ion Ratio Lower Upper

94 100

96 93.4 63.6 118.2



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

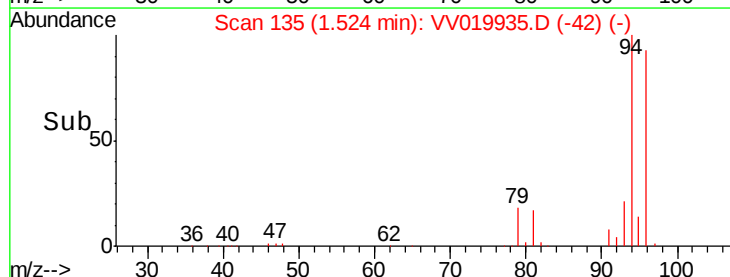
1.52

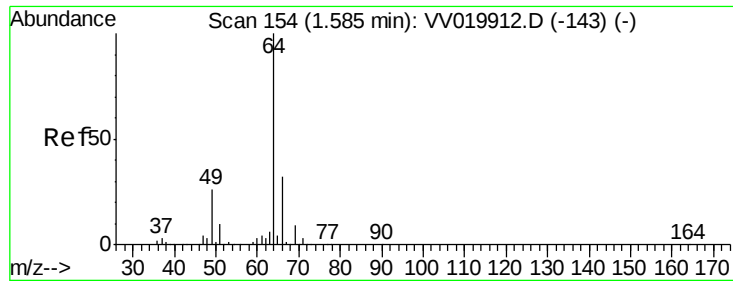
100000

50000

0

Time--> 1.50 1.55 1.60

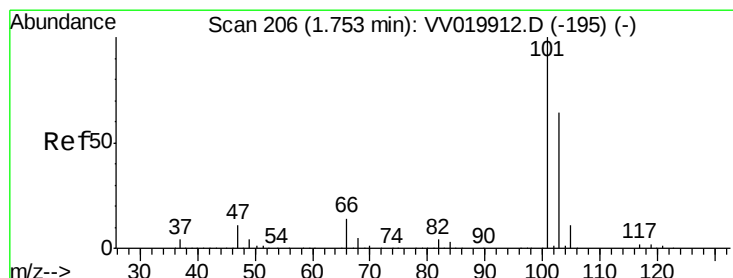
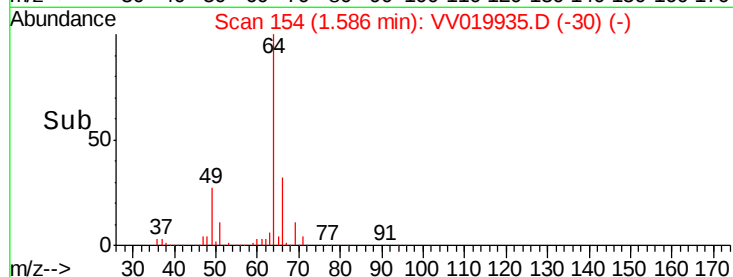
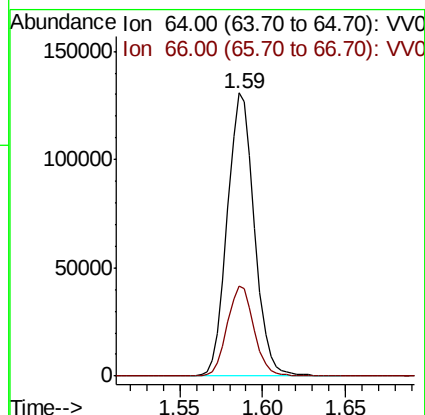
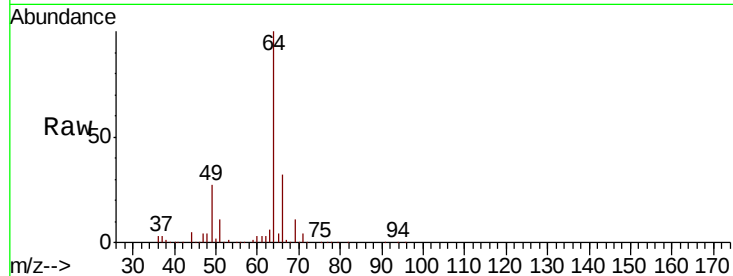




#8
Chloroethane
Concen: 49.440 ug/L
RT: 1.59 min Scan# 154
Delta R.T. 0.00 min
Lab File: VV019935.D
Acq: 07 Jan 2021 20:33

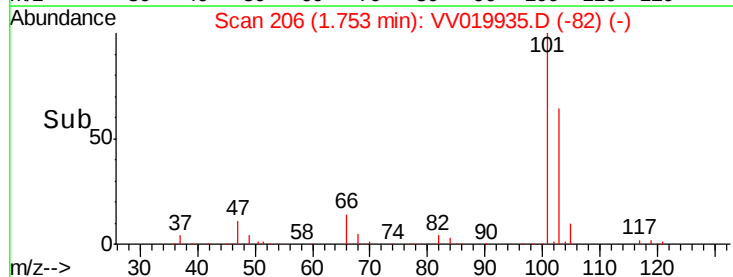
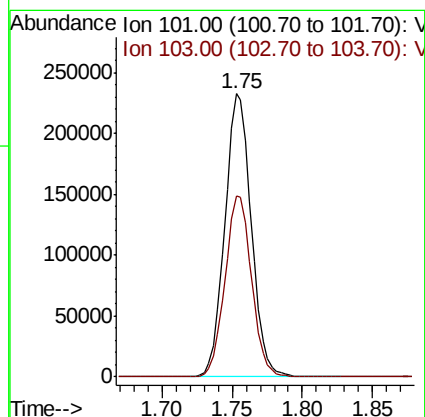
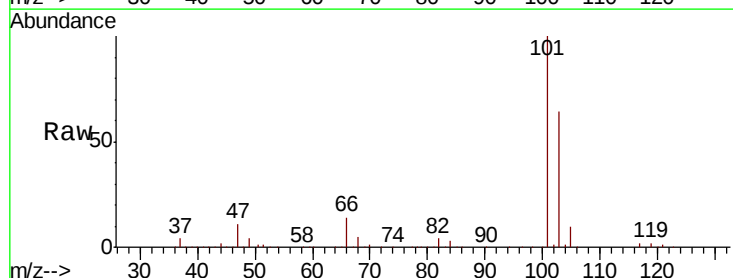
Instrument :
MSVOA_V
ClientSampleId :
VSTD05079

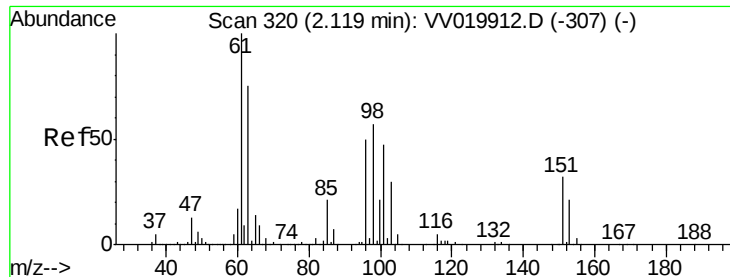
Tot Ion: 64 Resp: 148682
Ion Ratio Lower Upper
64 100
66 32.1 22.4 41.6



#9
Trichlorofluoromethane
Concen: 51.737 ug/L
RT: 1.75 min Scan# 206
Delta R.T. 0.00 min
Lab File: VV019935.D
Acq: 07 Jan 2021 20:33

Tgt Ion: 101 Resp: 303190
Ion Ratio Lower Upper
101 100
103 64.5 51.7 77.5





#10

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

Concen: 49.430 ug/L

RT: 2.12 min Scan# 320

Delta R.T. 0.00 min

Lab File: VV019935.D

Acq: 07 Jan 2021 20:33

Instrument :

MSVOA_V

ClientSampleId :

VSTD05079

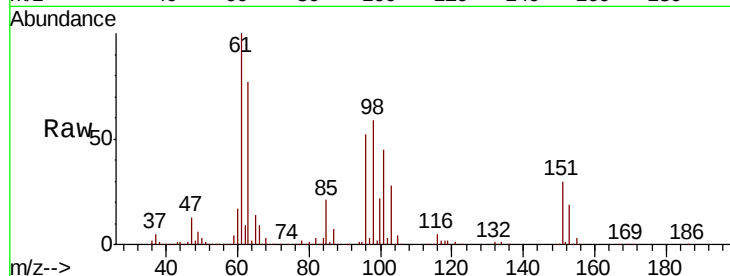
Tot Ion:101 Resp: 163141

Ion Ratio Lower Upper

101 100

85 46.2 35.3 52.9

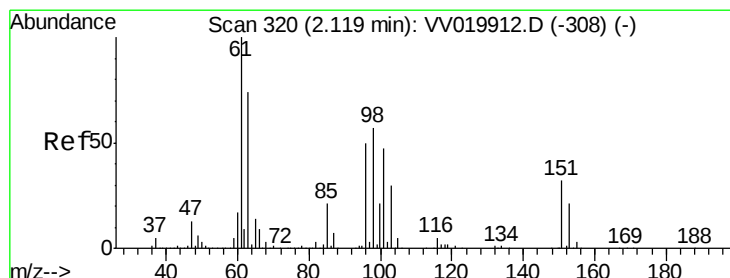
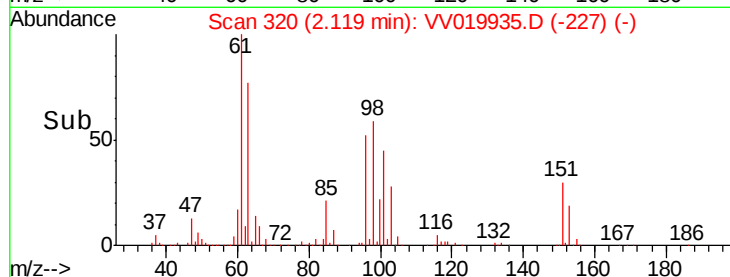
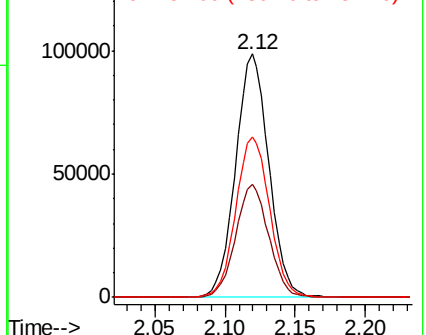
151 67.2 53.6 80.4



Abundance Ion 101.00 (100.70 to 101.70): VV019935.D (-227) (-)

Ion 85.00 (84.70 to 85.70): VV019935.D (-227) (-)

Ion 151.00 (150.70 to 151.70): VV019935.D (-227) (-)



#12

1,1-Dichloroethene

Concen: 49.603 ug/L

RT: 2.12 min Scan# 320

Delta R.T. 0.00 min

Lab File: VV019935.D

Acq: 07 Jan 2021 20:33

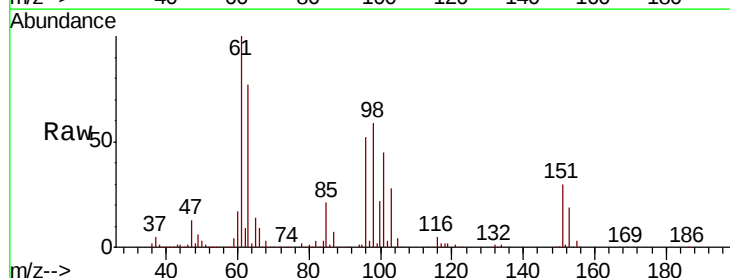
Tgt Ion: 96 Resp: 164275

Ion Ratio Lower Upper

96 100

61 191.3 134.9 250.5

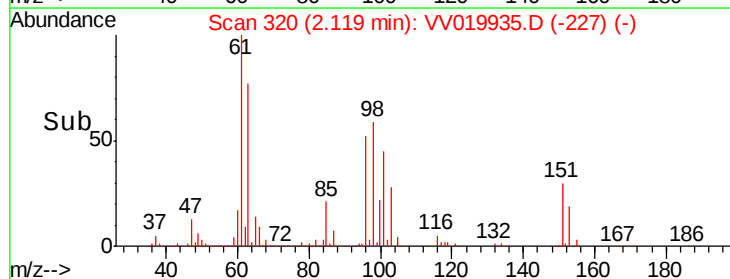
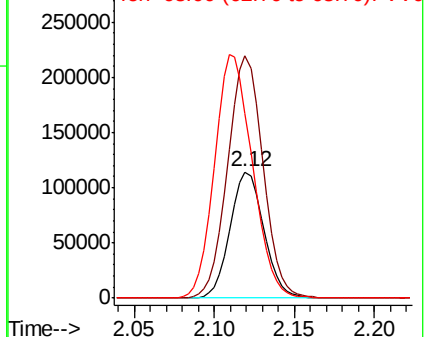
63 146.6 117.6 218.4

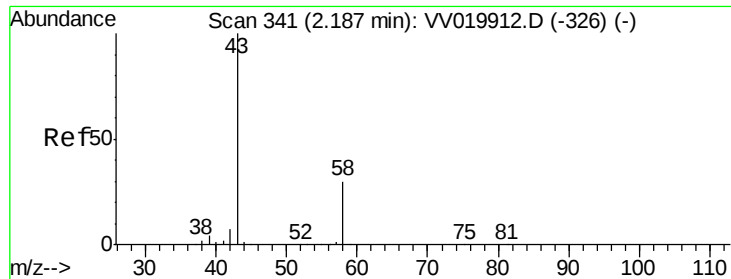


Abundance Ion 96.00 (95.70 to 96.70): VV019935.D (-227) (-)

Ion 61.00 (60.70 to 61.70): VV019935.D (-227) (-)

Ion 63.00 (62.70 to 63.70): VV019935.D (-227) (-)





#13

Acetone

Concen: 96.275 ug/L

RT: 2.19 min Scan# 341

Delta R.T. 0.00 min

Lab File: VV019935.D

Acq: 07 Jan 2021 20:33

Instrument :

MSVOA_V

ClientSampleId :

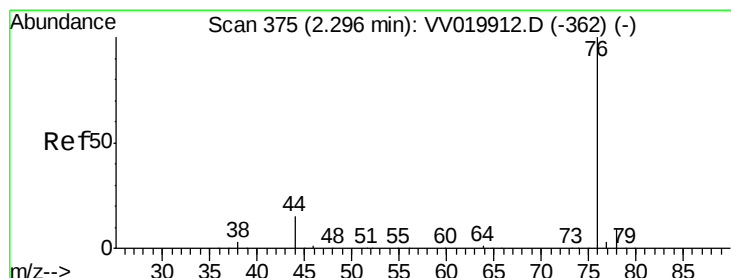
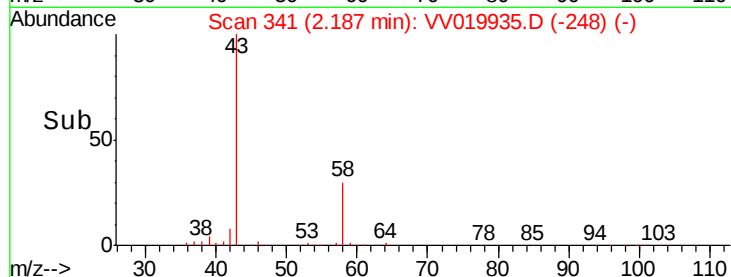
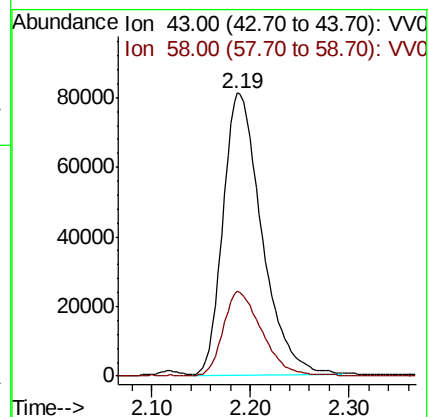
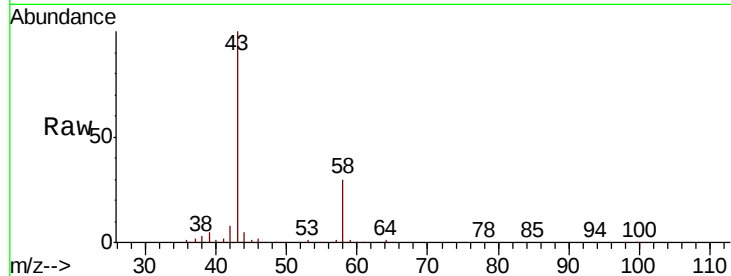
VSTD05079

Tot Ion: 43 Resp: 222629

Ion Ratio Lower Upper

43 100

58 30.0 0.0 60.2



#14

Carbon disulfide

Concen: 42.040 ug/L

RT: 2.30 min Scan# 375

Delta R.T. 0.00 min

Lab File: VV019935.D

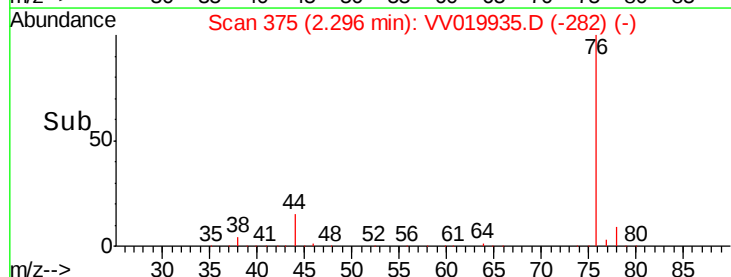
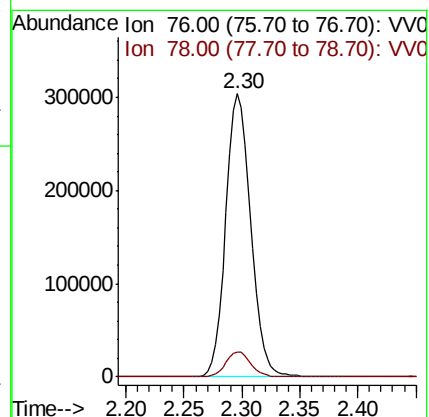
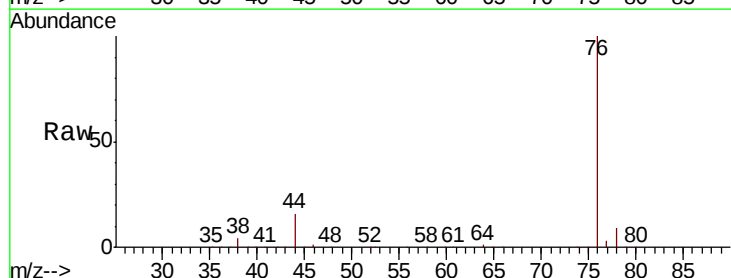
Acq: 07 Jan 2021 20:33

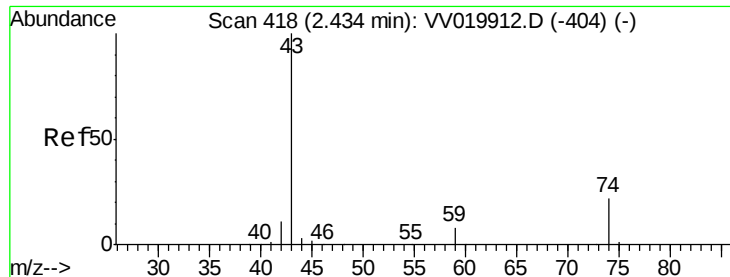
Tgt Ion: 76 Resp: 453571

Ion Ratio Lower Upper

76 100

78 9.0 7.2 10.8

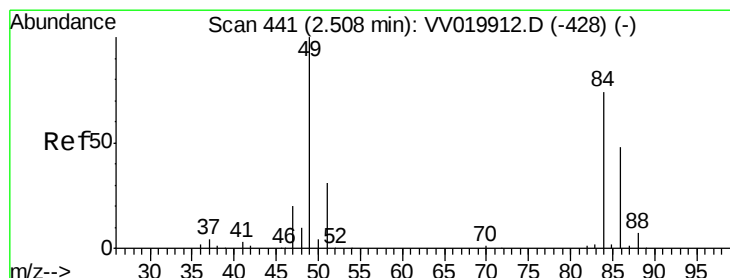
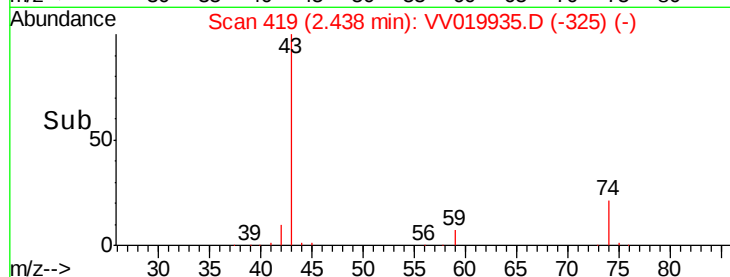
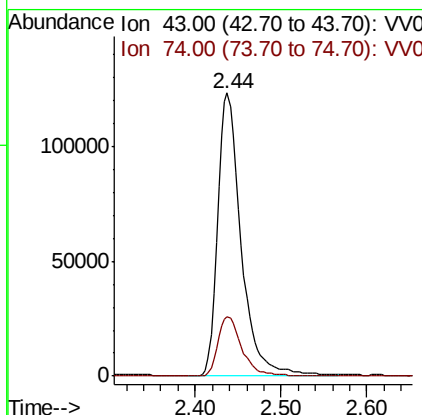
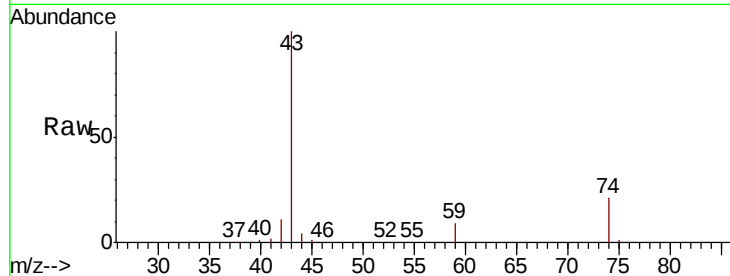




#15
Methvl Acetate
Concen: 49.275 ug/L
RT: 2.44 min Scan# 419
Delta R.T. 0.00 min
Lab File: VV019935.D
Acq: 07 Jan 2021 20:33

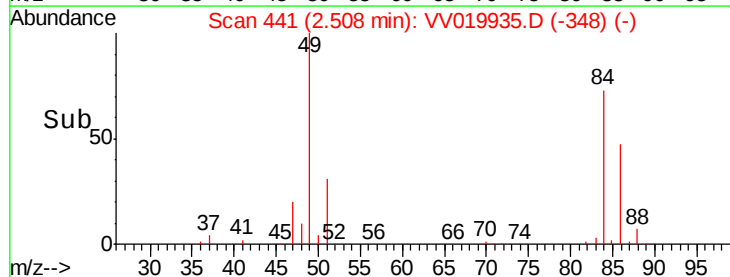
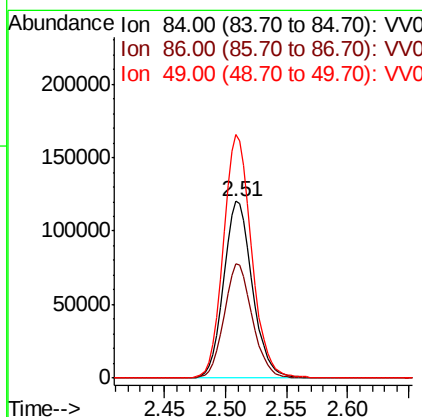
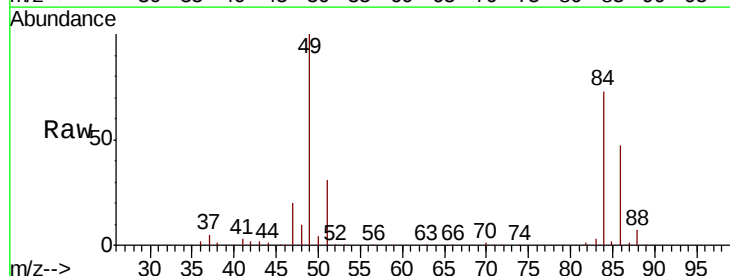
Instrument :
MSVOA_V
ClientSampled :
VSTD05079

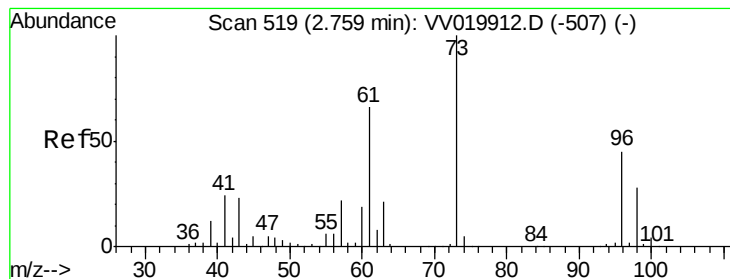
Tot Ion: 43 Resp: 231519
Ion Ratio Lower Upper
43 100
74 21.5 17.6 26.4



#16
Methylene chloride
Concen: 47.866 ug/L
RT: 2.51 min Scan# 441
Delta R.T. 0.00 min
Lab File: VV019935.D
Acq: 07 Jan 2021 20:33

Tgt Ion: 84 Resp: 199094
Ion Ratio Lower Upper
84 100
86 64.7 44.6 82.8
49 137.9 94.6 175.8





#17

trans-1,2-Dichloroethene

Concen: 46.835 ug/L

RT: 2.76 min Scan# 520

Delta R.T. 0.00 min

Lab File: VV019935.D

Acq: 07 Jan 2021 20:33

Instrument :

MSVOA_V

ClientSampleId :

VSTD05079

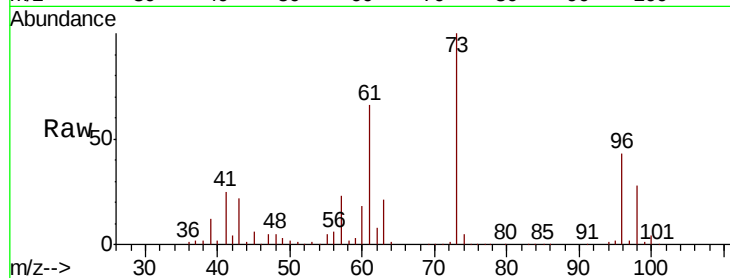
Tot Ion: 96 Resp: 173542

Ion Ratio Lower Upper

96 100

61 155.1 103.1 191.5

98 65.5 43.1 80.1

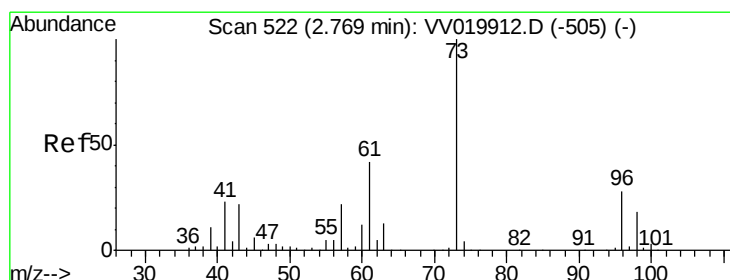
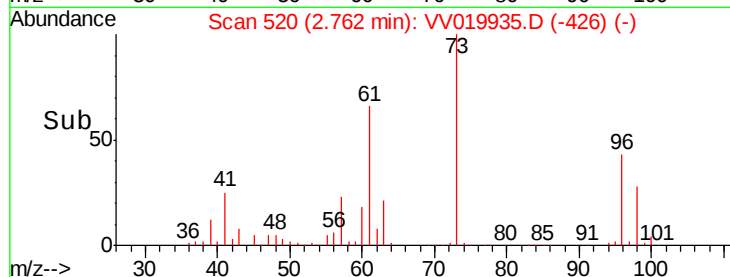
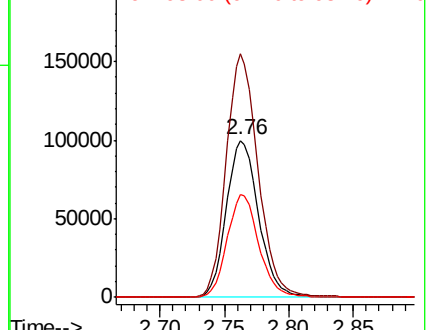


Abundance

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: 47.946 ug/L

RT: 2.77 min Scan# 523

Delta R.T. 0.00 min

Lab File: VV019935.D

Acq: 07 Jan 2021 20:33

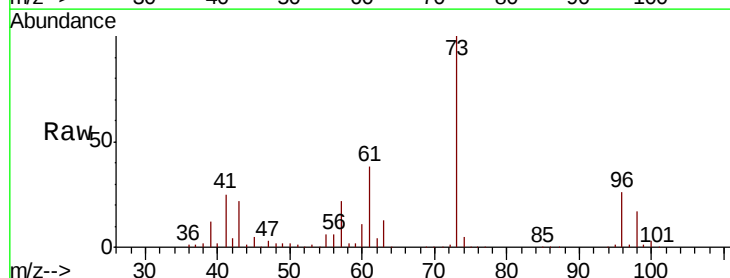
Tgt Ion: 73 Resp: 599837

Ion Ratio Lower Upper

73 100

43 22.0 17.3 25.9

57 22.8 17.9 26.9

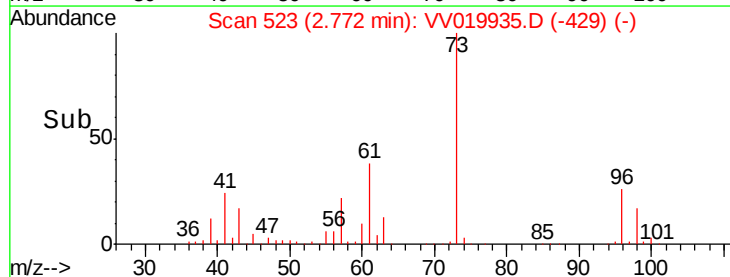
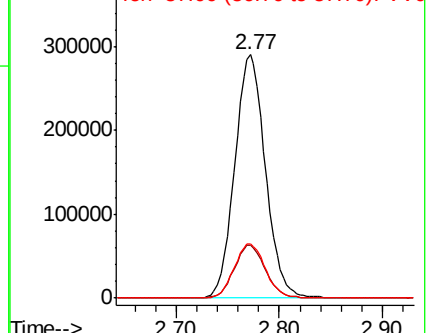


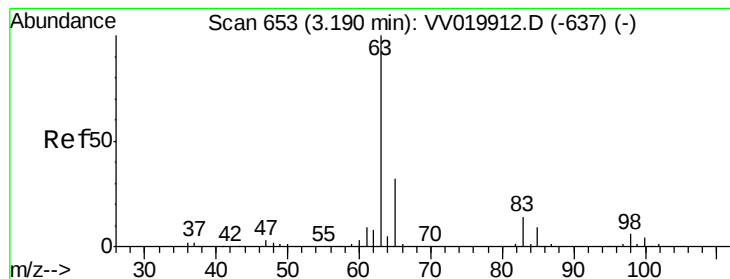
Abundance

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: 49.529 ug/L

RT: 3.19 min Scan# 654

Delta R.T. 0.00 min

Lab File: VV019935.D

Acq: 07 Jan 2021 20:33

Instrument :

MSVOA_V

ClientSampleId :

VSTD05079

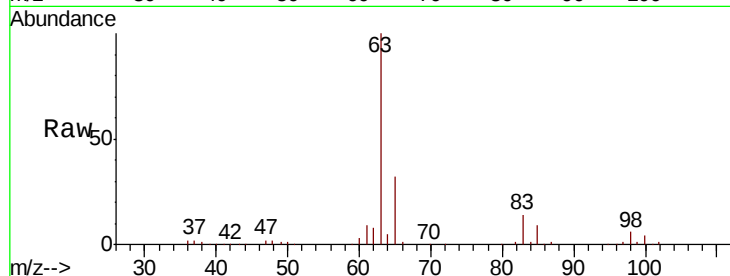
Tot Ion: 63 Resp: 370337

Ion Ratio Lower Upper

63 100

65 31.8 21.9 40.7

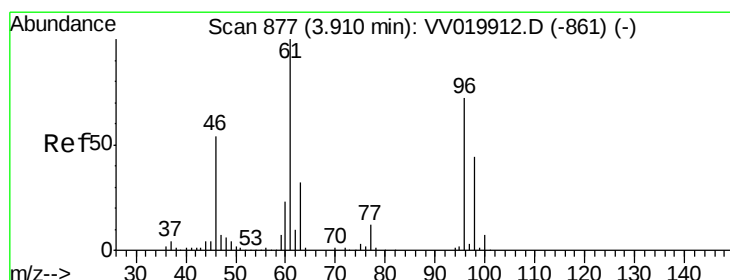
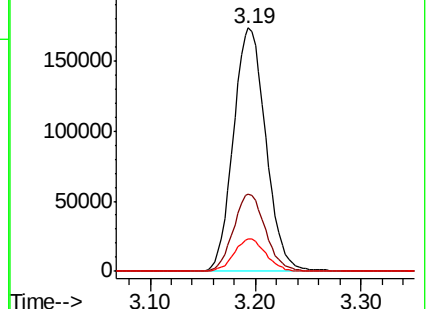
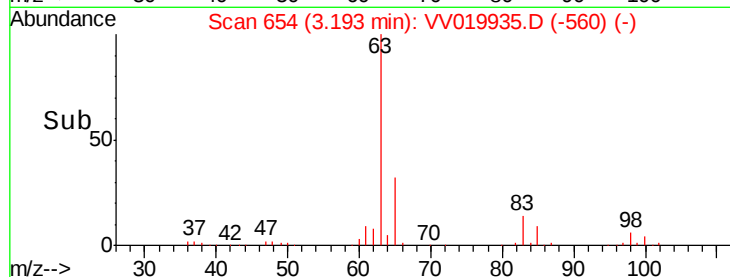
83 13.5 9.5 17.7



Abundance Ion 63.00 (62.70 to 63.70): VV019935.D (-560) (-)

Ion 65.00 (64.70 to 65.70): VV019935.D (-560) (-)

Ion 83.00 (82.70 to 83.70): VV019935.D (-560) (-)



#20

cis-1,2-Dichloroethene

Concen: 48.078 ug/L

RT: 3.92 min Scan# 879

Delta R.T. 0.01 min

Lab File: VV019935.D

Acq: 07 Jan 2021 20:33

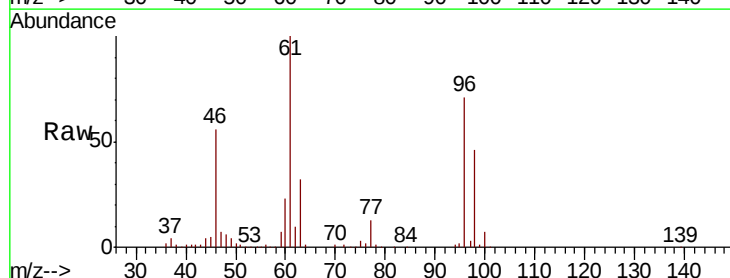
Tgt Ion: 96 Resp: 194906

Ion Ratio Lower Upper

96 100

61 140.4 96.9 179.9

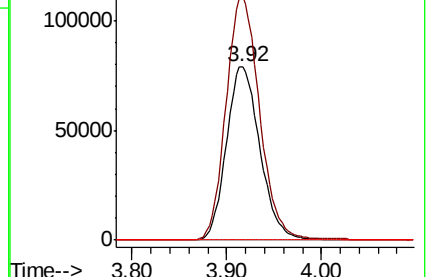
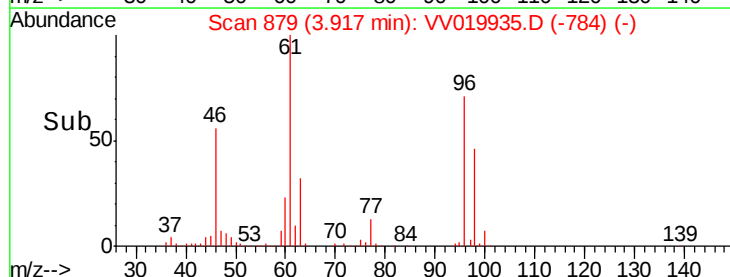
68 0.0 0.0 0.0

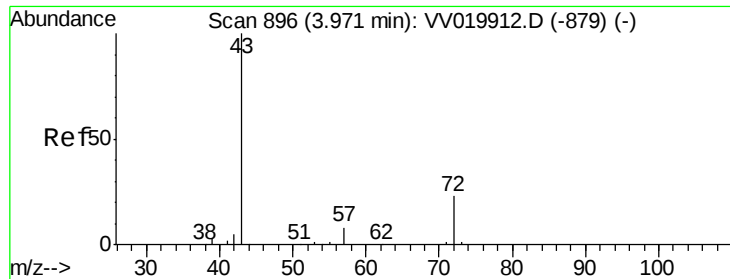


Abundance Ion 96.00 (95.70 to 96.70): VV019935.D (-784) (-)

Ion 61.00 (60.70 to 61.70): VV019935.D (-784) (-)

Ion 68.00 (67.70 to 68.70): VV019935.D (-784) (-)





#22

2-Butanone

Concen: 100.219 ug/L

RT: 3.98 min Scan# 898

Delta R.T. 0.01 min

Lab File: VV019935.D

Acq: 07 Jan 2021 20:33

Instrument :

MSVOA_V

ClientSampleId :

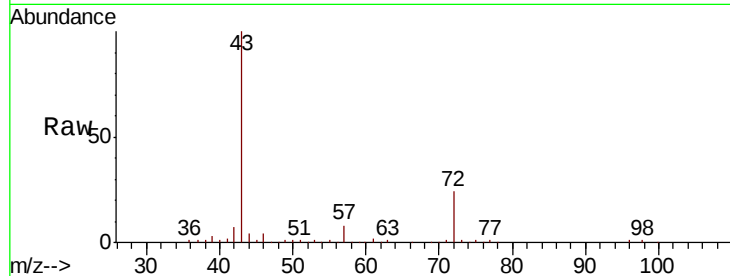
VSTD05079

Tot Ion: 43 Resp: 325369

Ion Ratio Lower Upper

43 100

72 22.5 12.2 36.6



Abundance Ion 43.00 (42.70 to 43.70): VV019935.D (-898) (-)

Ion 72.00 (71.70 to 72.70): VV019935.D (-898) (-)

3.98

100000

80000

60000

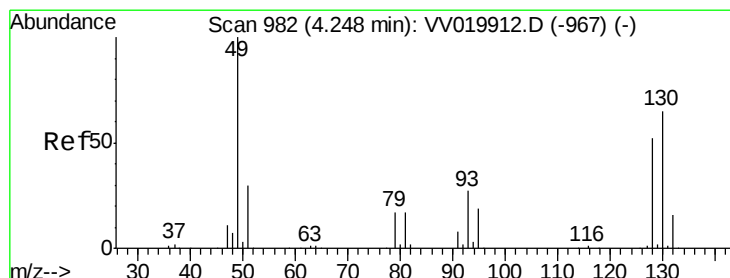
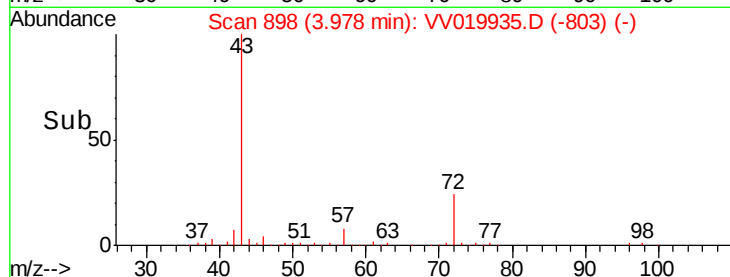
40000

20000

0

3.90 4.00 4.10

Time-->



#23

Bromochloromethane

Concen: 47.106 ug/L

RT: 4.25 min Scan# 984

Delta R.T. 0.01 min

Lab File: VV019935.D

Acq: 07 Jan 2021 20:33

Tgt Ion: 128 Resp: 94357

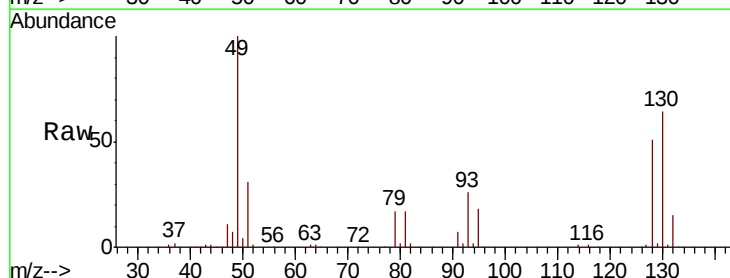
Ion Ratio Lower Upper

128 100

49 195.8 133.1 247.1

130 125.6 89.0 165.4

51 61.5 49.3 73.9



Abundance Ion 128.00 (127.70 to 128.70): VV019935.D (-889) (-)

Ion 49.00 (48.70 to 49.70): VV019935.D (-889) (-)

Ion 130.00 (129.70 to 130.70): VV019935.D (-889) (-)

Ion 51.00 (50.70 to 51.70): VV019935.D (-889) (-)

120000

100000

80000

60000

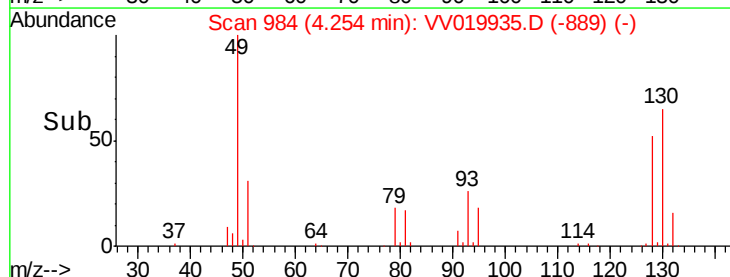
40000

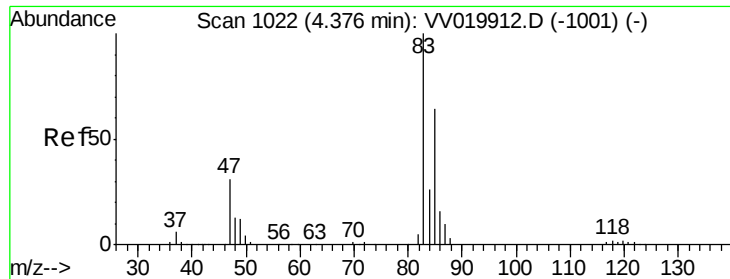
20000

0

4.15 4.20 4.25 4.30 4.35

Time-->

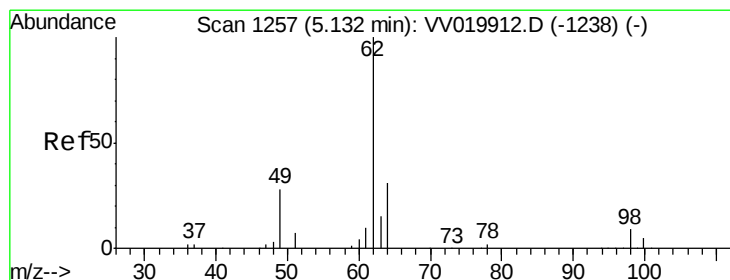
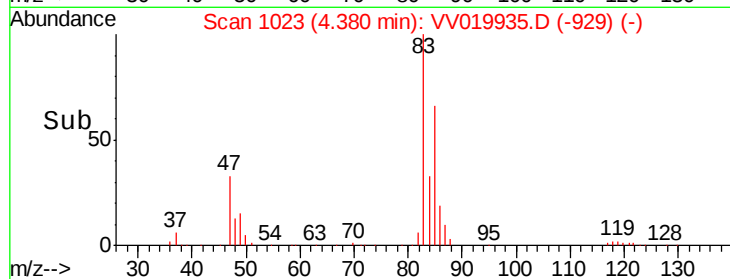
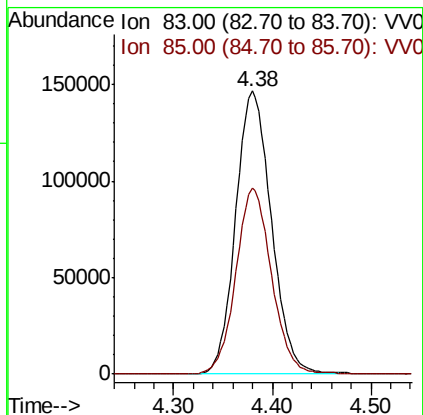
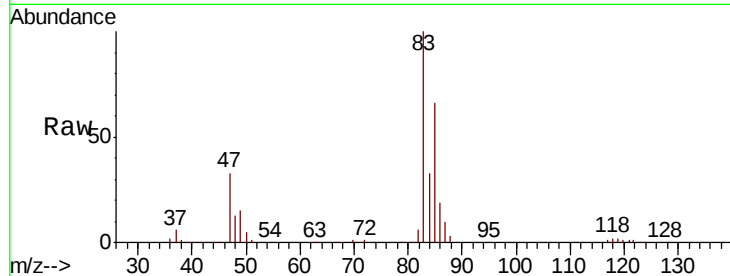




#25
Chloroform
Concen: 49.915 ug/L
RT: 4.38 min Scan# 1023
Delta R.T. 0.00 min
Lab File: VV019935.D
Acq: 07 Jan 2021 20:33

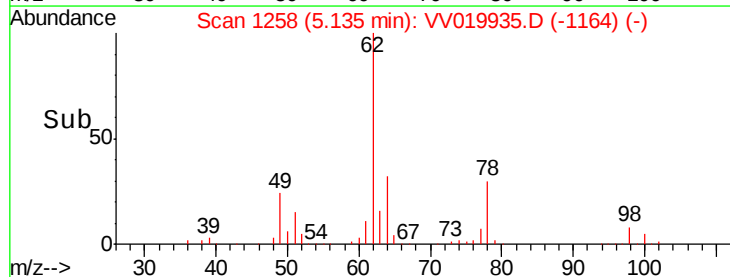
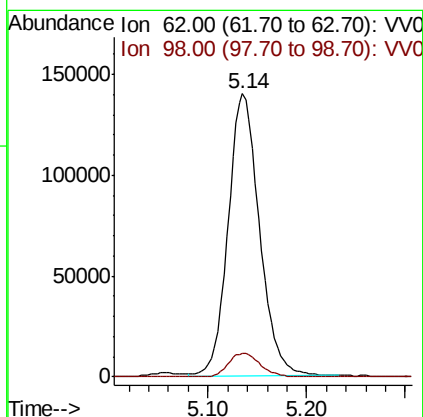
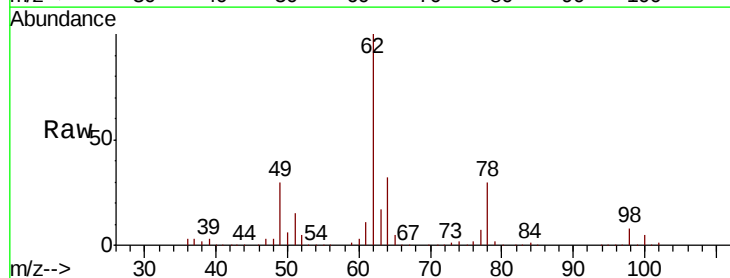
Instrument :
MSVOA_V
ClientSampleId :
VSTD05079

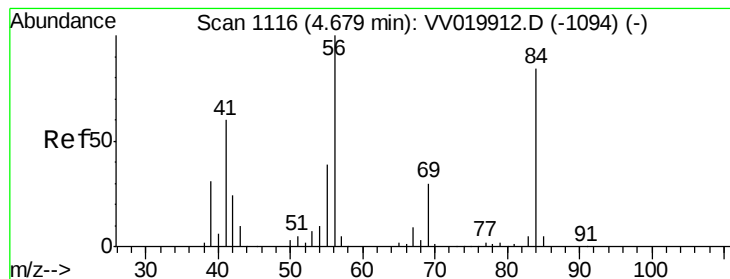
Tot Ion: 83 Resp: 368179
Ion Ratio Lower Upper
83 100
85 65.6 44.2 82.2



#27
1,2-Dichloroethane
Concen: 51.017 ug/L
RT: 5.14 min Scan# 1258
Delta R.T. 0.00 min
Lab File: VV019935.D
Acq: 07 Jan 2021 20:33

Tgt Ion: 62 Resp: 310252
Ion Ratio Lower Upper
62 100
98 8.2 6.9 10.3





#29

Cyclohexane

Concen: 44.524 ug/L

RT: 4.68 min Scan# 1117

Delta R.T. 0.00 min

Lab File: VV019935.D

Acq: 07 Jan 2021 20:33

Instrument :

MSVOA_V

ClientSampleId :

VSTD05079

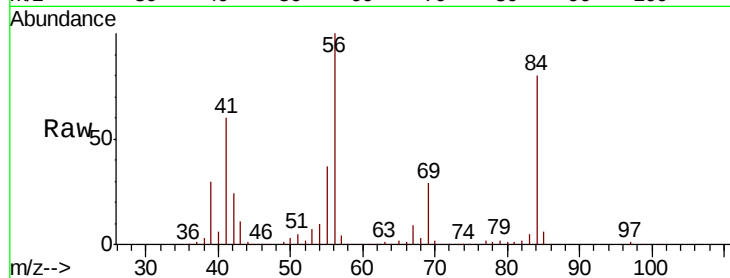
Tot Ion: 56 Resp: 292901

Ion Ratio Lower Upper

56 100

69 29.4 24.2 36.2

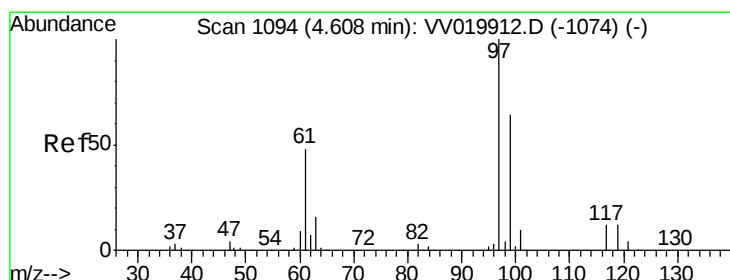
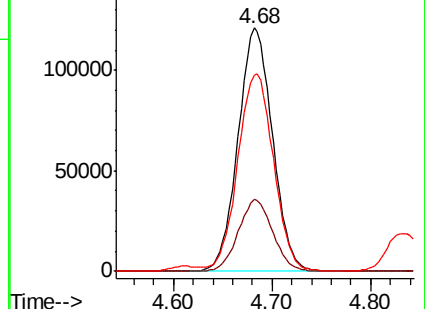
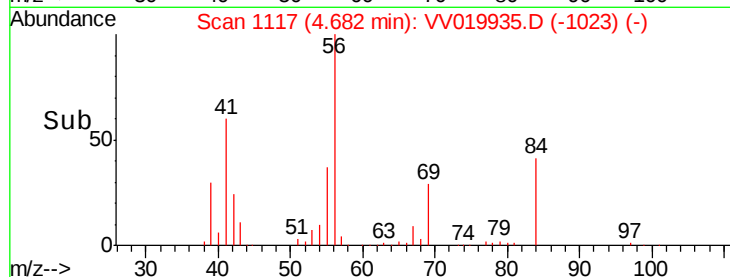
84 84.2 66.3 99.5



Abundance Ion 56.00 (55.70 to 56.70): VV019935.D (-1023) (-)

Ion 69.00 (68.70 to 69.70): VV019935.D (-1023) (-)

Ion 84.00 (83.70 to 84.70): VV019935.D (-1023) (-)



#30

1,1,1-Trichloroethane

Concen: 47.427 ug/L

RT: 4.61 min Scan# 1096

Delta R.T. 0.01 min

Lab File: VV019935.D

Acq: 07 Jan 2021 20:33

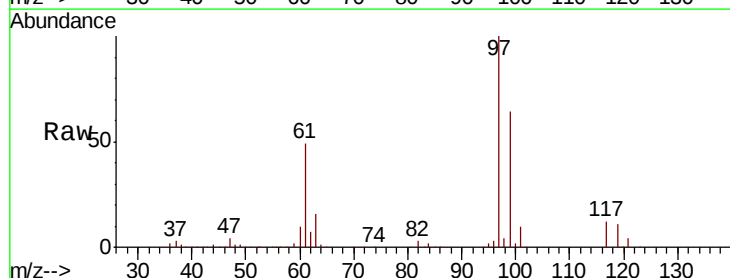
Tgt Ion: 97 Resp: 311999

Ion Ratio Lower Upper

97 100

99 64.6 51.2 76.8

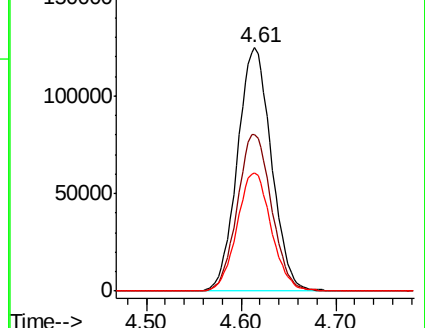
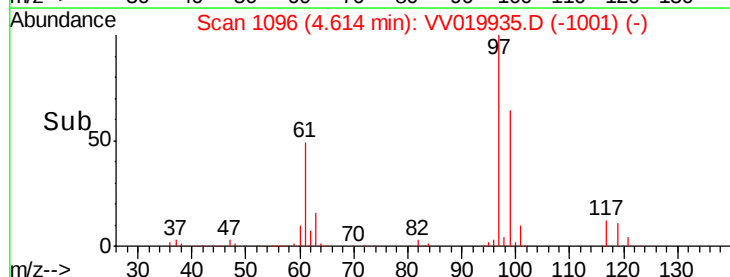
61 49.0 38.5 57.7

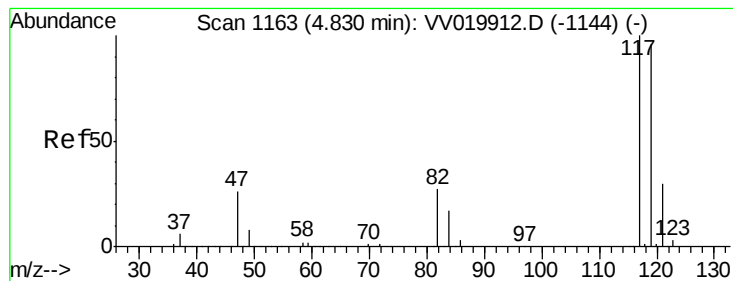


Abundance Ion 97.00 (96.70 to 97.70): VV019935.D (-1001) (-)

Ion 99.00 (98.70 to 99.70): VV019935.D (-1001) (-)

Ion 61.05 (60.75 to 61.75): VV019935.D (-1001) (-)





#31

Carbon tetrachloride

Concen: 47.263 ug/L

RT: 4.83 min Scan# 1164

Delta R.T. 0.00 min

Lab File: VV019935.D

Acq: 07 Jan 2021 20:33

Instrument :

MSVOA_V

ClientSampleId :

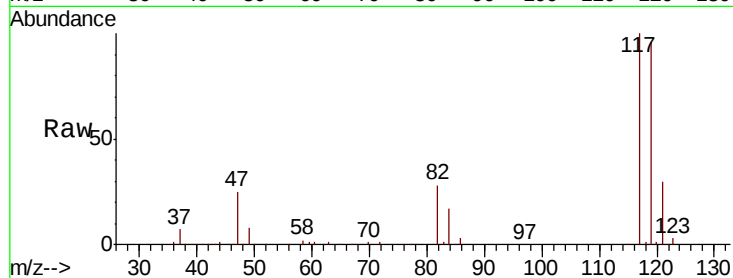
VSTD05079

Tot Ion:117 Resp: 255858

Ion Ratio Lower Upper

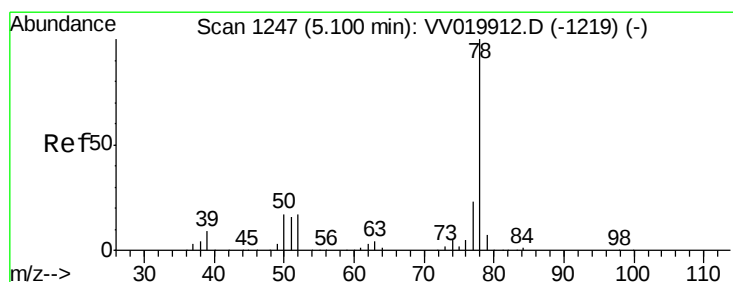
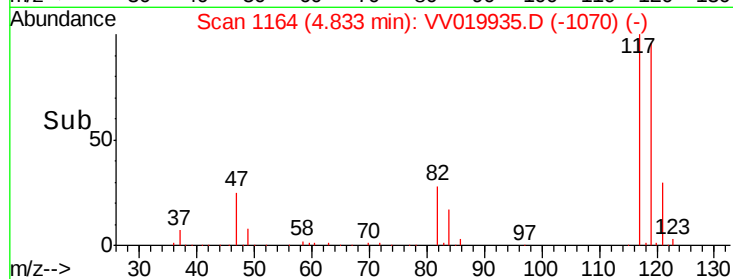
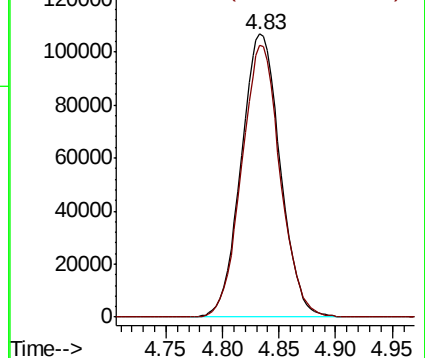
117 100

119 94.9 76.3 114.5



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 47.603 ug/L

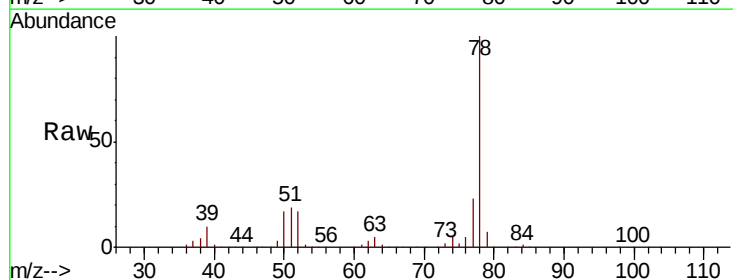
RT: 5.10 min Scan# 1248

Delta R.T. 0.00 min

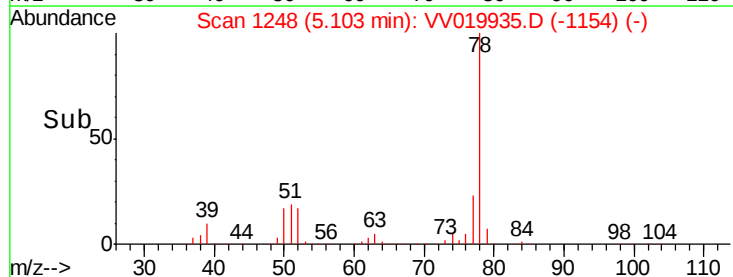
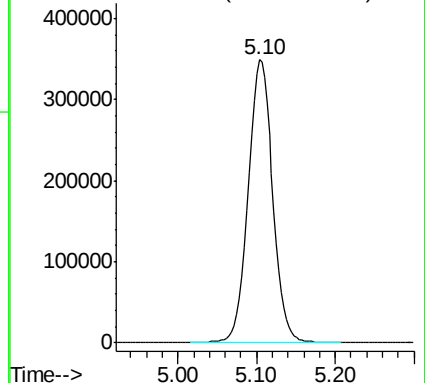
Lab File: VV019935.D

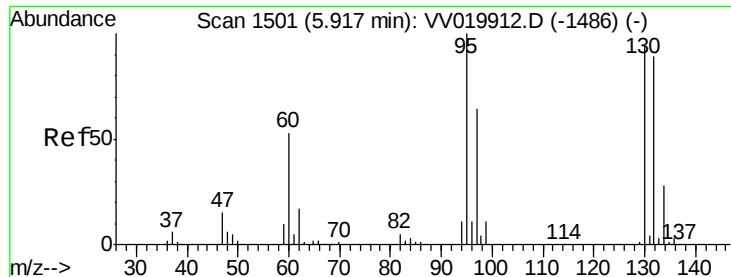
Acq: 07 Jan 2021 20:33

Tgt Ion: 78 Resp: 769318



Abundance Ion 78.00 (77.70 to 78.70): VV0





#34

Trichloroethene

Concen: 46.781 ug/L

RT: 5.92 min Scan# 1502

Delta R.T. 0.00 min

Lab File: VV019935.D

Acq: 07 Jan 2021 20:33

Instrument :

MSVOA_V

ClientSampleId :

VSTD05079

Tot Ion: 95 Resp: 200567

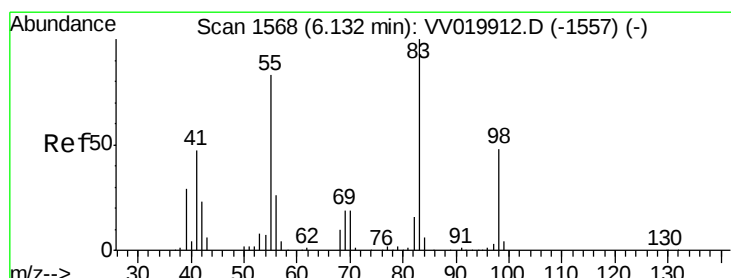
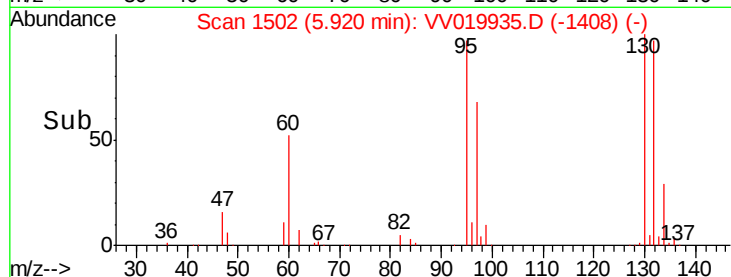
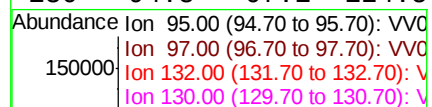
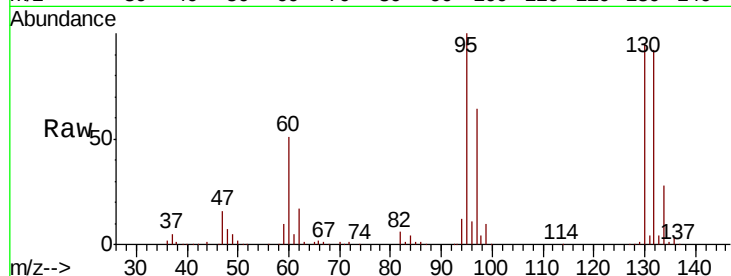
Ion Ratio Lower Upper

95 100

97 64.3 44.5 82.7

132 92.0 63.4 117.8

130 94.8 67.1 124.5



#35

Methylcyclohexane

Concen: 44.075 ug/L

RT: 6.14 min Scan# 1569

Delta R.T. 0.00 min

Lab File: VV019935.D

Acq: 07 Jan 2021 20:33

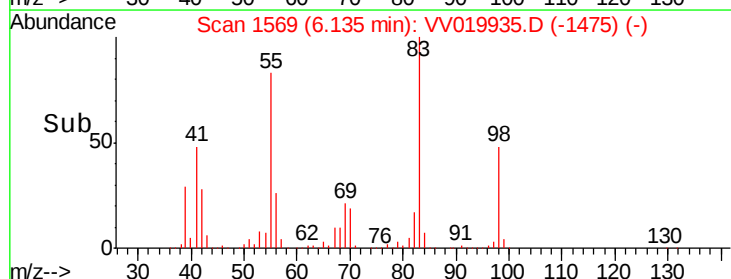
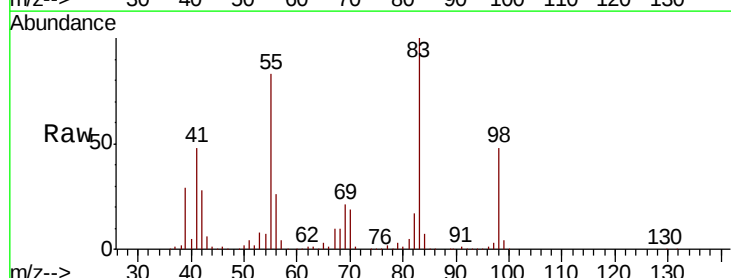
Tgt Ion: 83 Resp: 283391

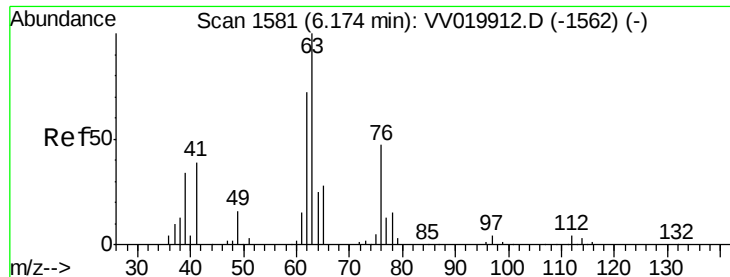
Ion Ratio Lower Upper

83 100

55 81.2 65.1 97.7

98 47.4 38.2 57.2





#37

1,2-Dichloropropane

Concen: 48.608 ug/L

RT: 6.18 min Scan# 1582

Delta R.T. 0.00 min

Lab File: VV019935.D

Acq: 07 Jan 2021 20:33

Instrument :

MSVOA_V

ClientSampleId :

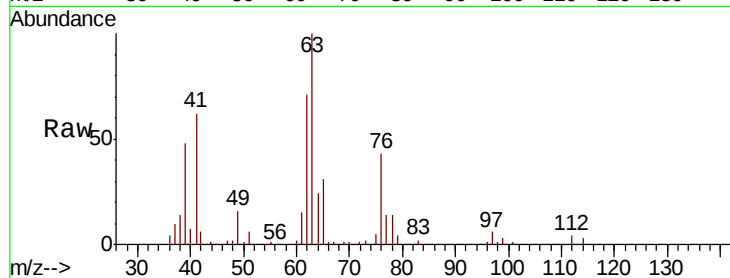
VSTD05079

Tot Ion: 63 Resp: 210957

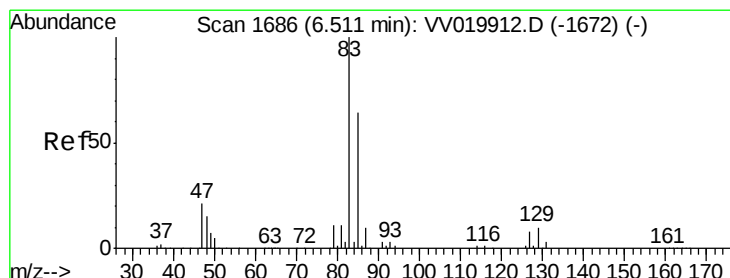
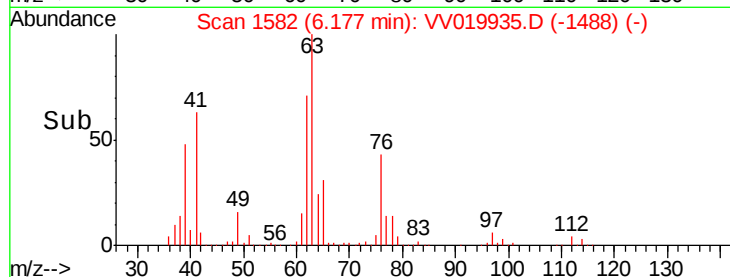
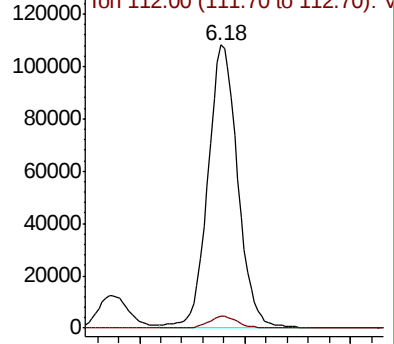
Ion Ratio Lower Upper

63 100

112 4.2 3.3 4.9



Abundance Ion 63.00 (62.70 to 63.70): VV019912.D (-1562) (-)



#38

Bromodichloromethane

Concen: 47.652 ug/L

RT: 6.51 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VV019935.D

Acq: 07 Jan 2021 20:33

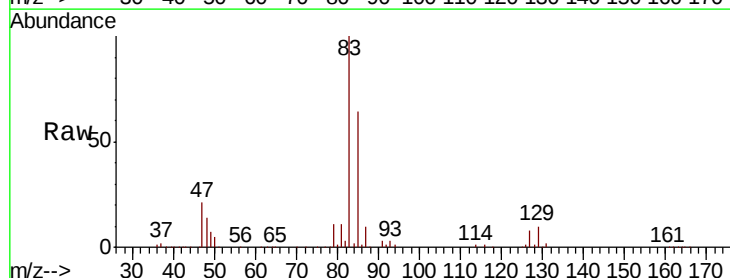
Tgt Ion: 83 Resp: 270374

Ion Ratio Lower Upper

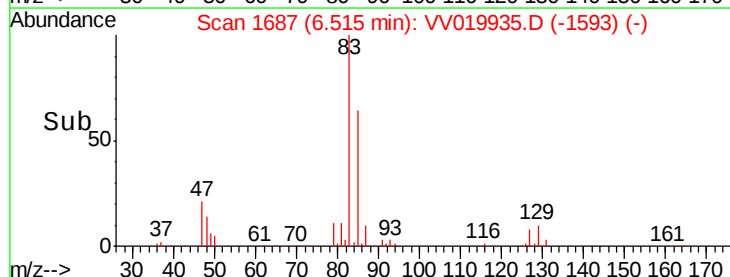
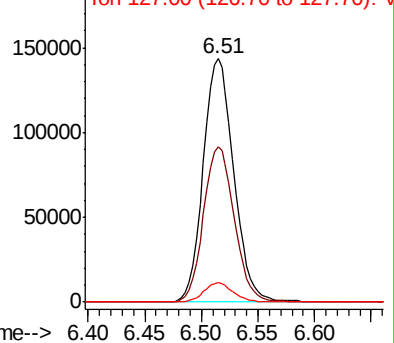
83 100

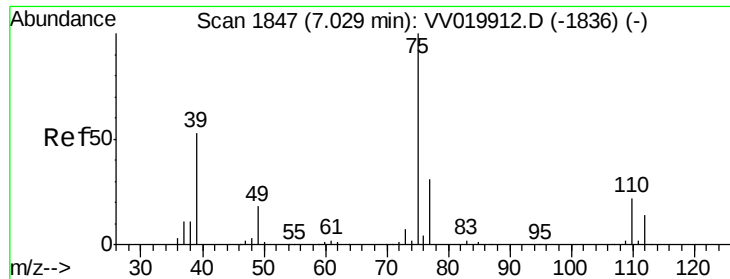
85 63.7 44.5 82.7

127 7.8 6.3 9.5



Abundance Ion 83.00 (82.70 to 83.70): VV019912.D (-1672) (-)





#39

cis-1,3-Dichloropropene

Concen: 47.185 ug/L

RT: 7.03 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VV019935.D

Acq: 07 Jan 2021 20:33

Instrument :

MSVOA_V

ClientSampleId :

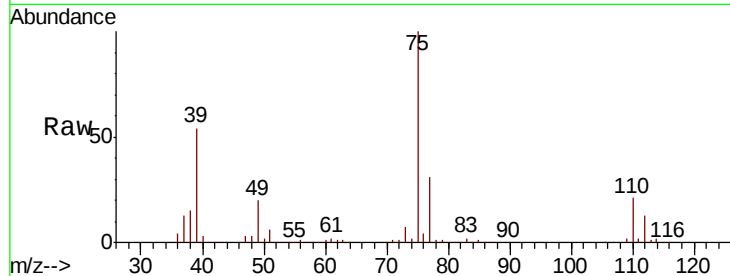
VSTD05079

Tot Ion: 75 Resp: 315431

Ion Ratio Lower Upper

75 100

77 31.0 21.8 40.6



Abundance Ion 75.00 (74.70 to 75.70): VV019912.D (-1836) (-)

Ion 77.00 (76.70 to 77.70): VV019912.D (-1836) (-)

7.03

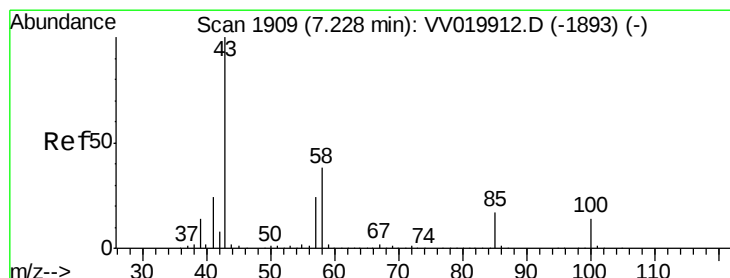
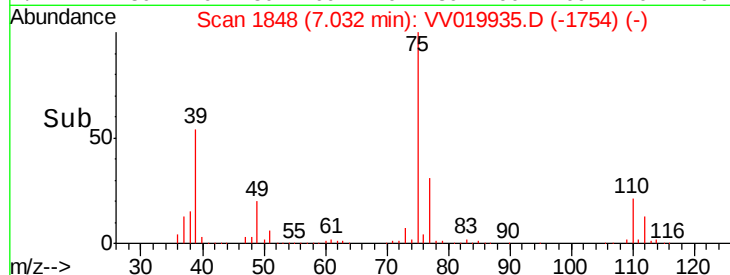
150000

100000

50000

0

Time-->



#40

4-Methyl-2-pentanone

Concen: 98.789 ug/L

RT: 7.23 min Scan# 1910

Delta R.T. 0.00 min

Lab File: VV019935.D

Acq: 07 Jan 2021 20:33

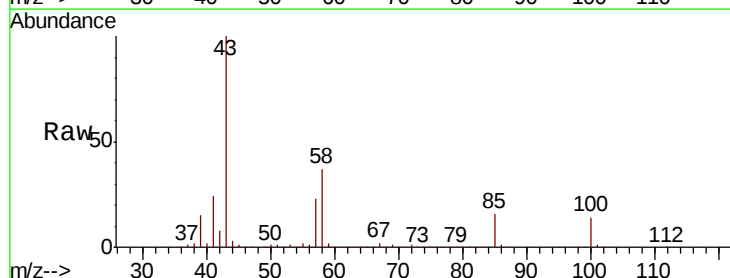
Tgt Ion: 43 Resp: 641975

Ion Ratio Lower Upper

43 100

58 36.6 30.7 46.1

100 13.9 11.6 17.4



Abundance Ion 43.00 (42.70 to 43.70): VV019912.D (-1893) (-)

Ion 58.00 (57.70 to 58.70): VV019912.D (-1893) (-)

Ion 100.00 (99.70 to 100.70): VV019912.D (-1893) (-)

7.23

500000

400000

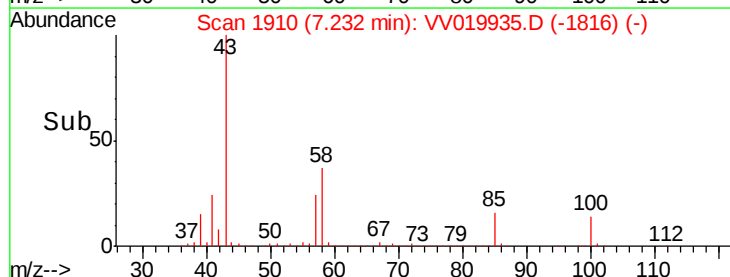
300000

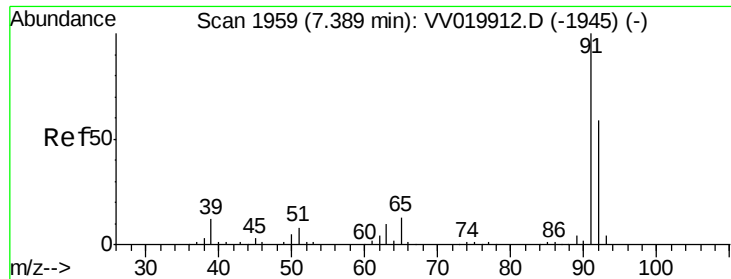
200000

100000

0

Time-->





#42

Toluene

Concen: 48.166 ug/L

RT: 7.39 min Scan# 1960

Delta R.T. 0.00 min

Lab File: VV019935.D

Acq: 07 Jan 2021 20:33

Instrument :

MSVOA_V

ClientSampleId :

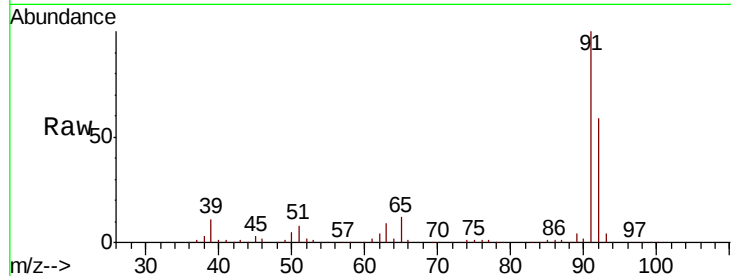
VSTD05079

Tot Ion: 91 Resp: 797362

Ion Ratio Lower Upper

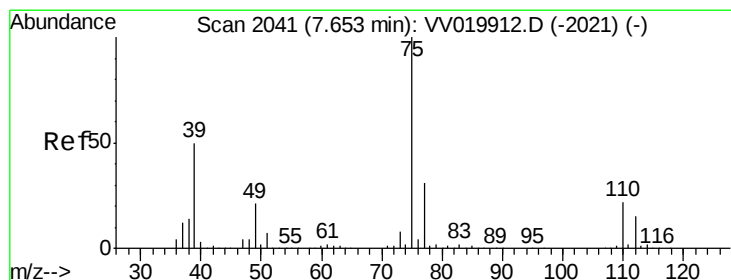
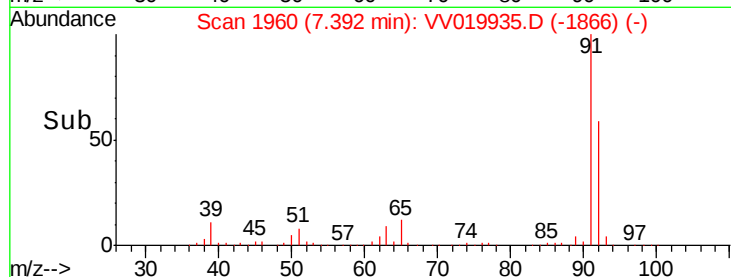
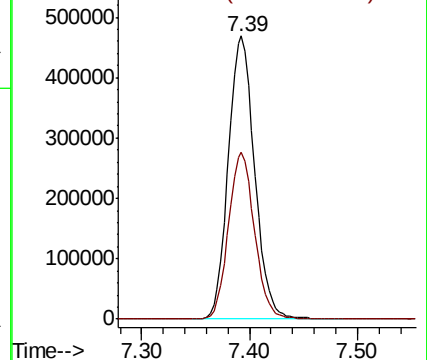
91 100

92 58.9 40.7 75.7



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 92.00 (91.70 to 92.70): VV0



#44

trans-1,3-Dichloropropene

Concen: 46.114 ug/L

RT: 7.65 min Scan# 2041

Delta R.T. 0.00 min

Lab File: VV019935.D

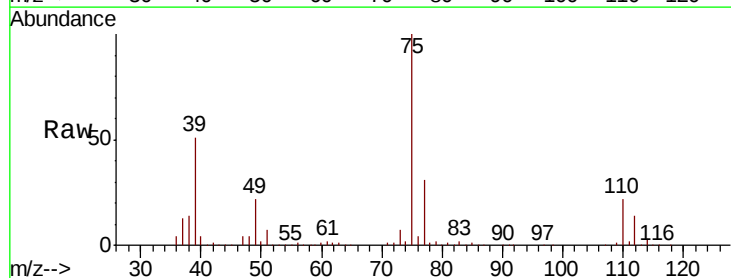
Acq: 07 Jan 2021 20:33

Tgt Ion: 75 Resp: 300669

Ion Ratio Lower Upper

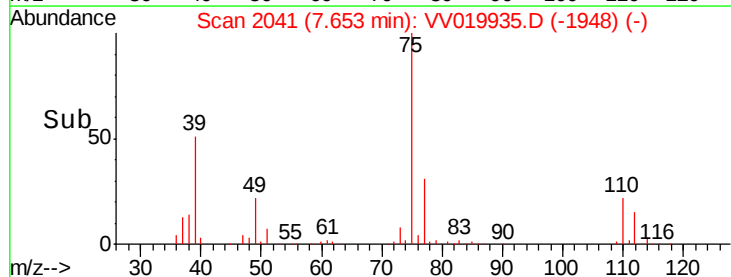
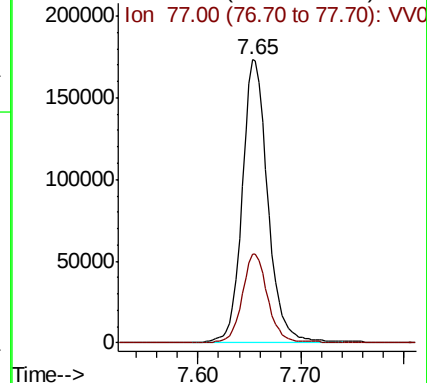
75 100

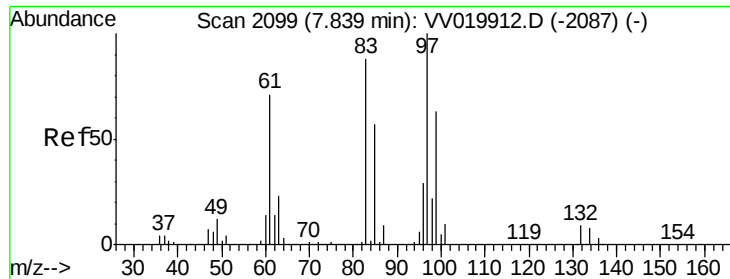
77 31.3 22.0 41.0



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

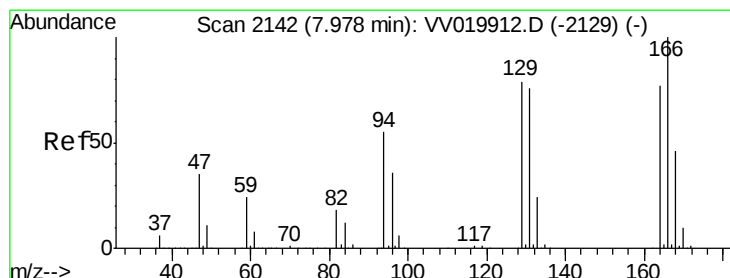
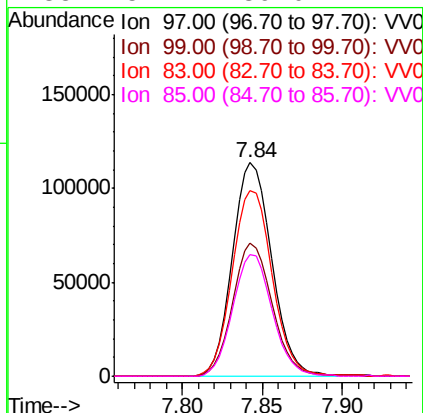
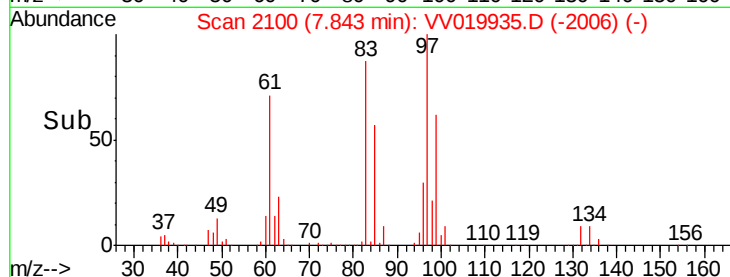
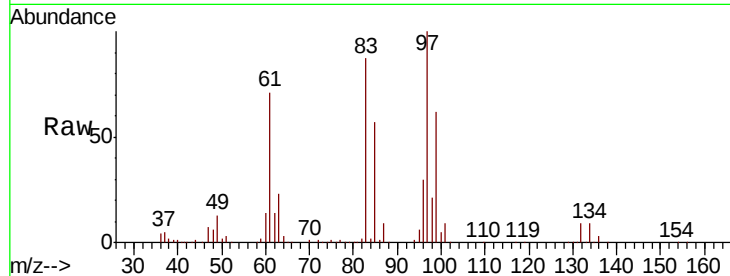




#45
 1,1,2-Trichloroethane
 Concen: 47.979 ug/L
 RT: 7.84 min Scan# 2100
 Delta R.T. 0.00 min
 Lab File: VV019935.D
 Acq: 07 Jan 2021 20:33

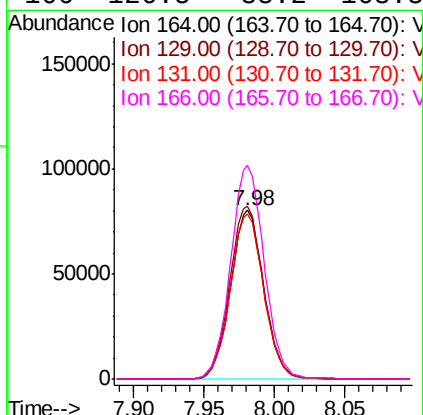
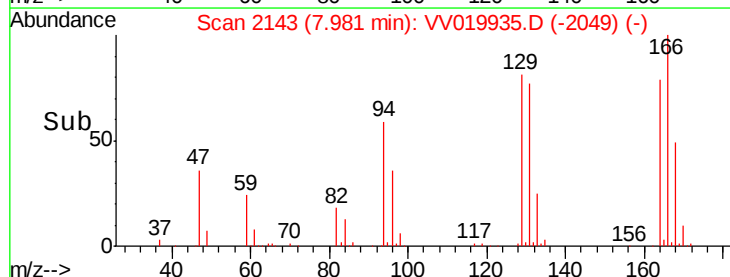
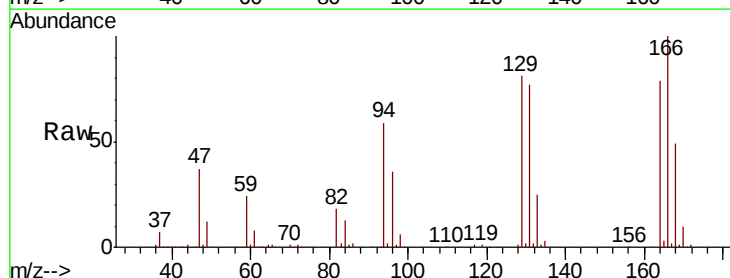
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05079

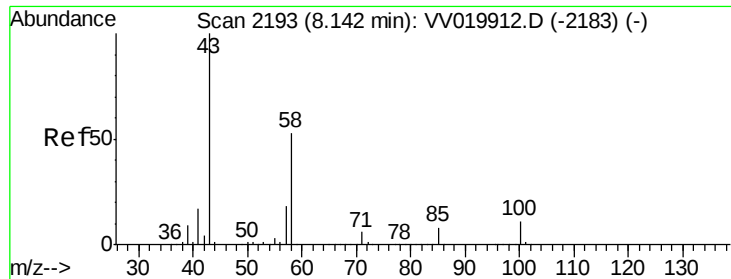
Tot Ion:	97	Resp:	191005
Ion	Ratio	Lower	Upper
97	100		
99	62.3	43.8	81.3
83	87.2	62.2	115.4
85	57.1	39.0	72.4



#46
 Tetrachloroethene
 Concen: 46.278 ug/L
 RT: 7.98 min Scan# 2143
 Delta R.T. 0.00 min
 Lab File: VV019935.D
 Acq: 07 Jan 2021 20:33

Tgt Ion:	164	Resp:	132503
Ion	Ratio	Lower	Upper
164	100		
129	102.7	70.6	131.0
131	97.9	66.8	124.0
166	126.5	88.2	163.8

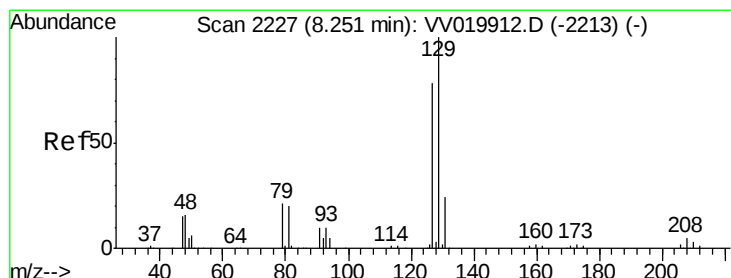
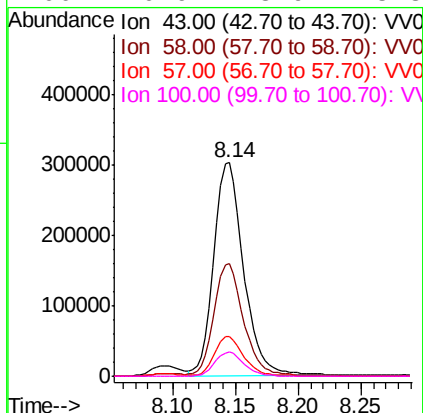
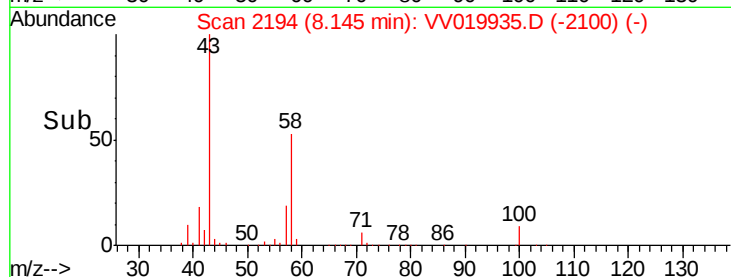
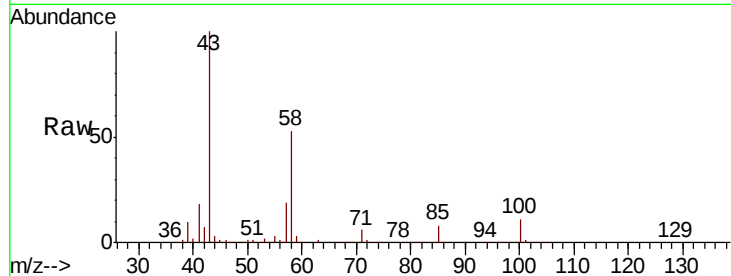




#48
2-Hexanone
Concen: 99.513 ug/L
RT: 8.14 min Scan# 2194
Delta R.T. 0.00 min
Lab File: VV019935.D
Acq: 07 Jan 2021 20:33

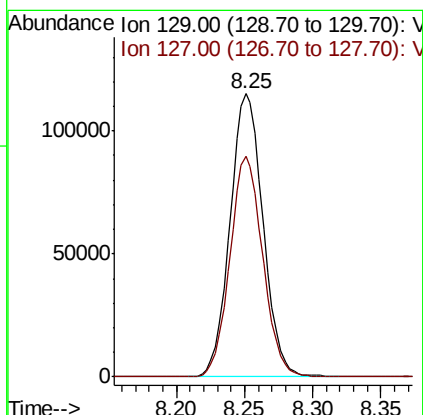
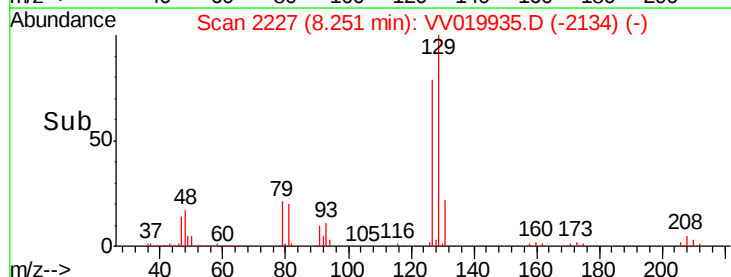
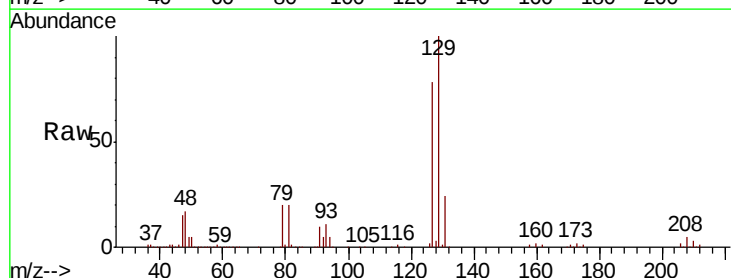
Instrument :
MSVOA_V
ClientSampleId :
VSTD05079

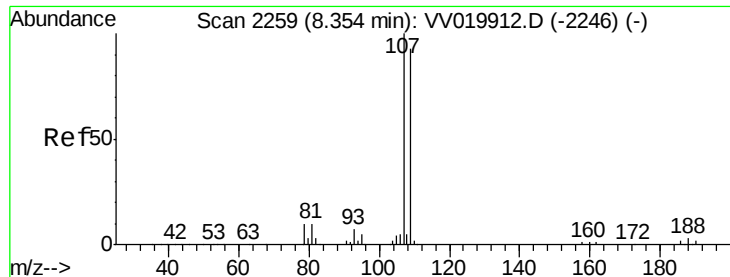
Tot Ion: 43 Resp: 499975
Ion Ratio Lower Upper
43 100
58 53.3 41.8 62.6
57 18.4 15.0 22.4
100 10.9 8.9 13.3



#49
Dibromochloromethane
Concen: 47.090 ug/L
RT: 8.25 min Scan# 2227
Delta R.T. 0.00 min
Lab File: VV019935.D
Acq: 07 Jan 2021 20:33

Tgt Ion: 129 Resp: 193841
Ion Ratio Lower Upper
129 100
127 77.9 55.2 102.6

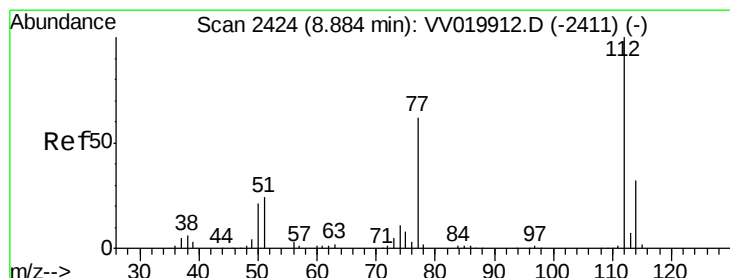
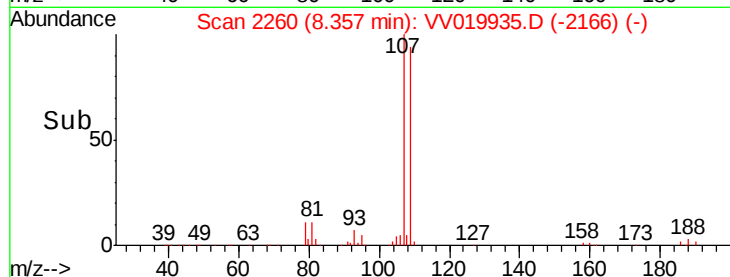
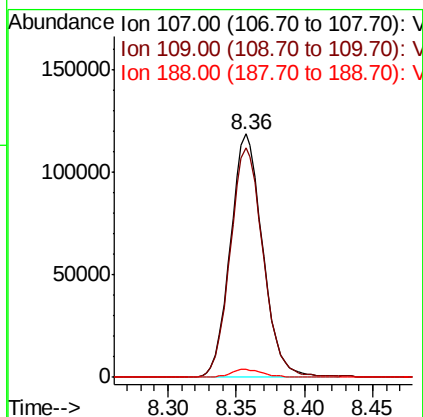
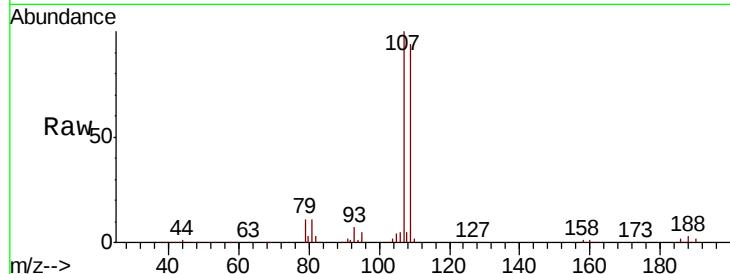




#50
1,2-Dibromoethane
Concen: 46.718 ug/L
RT: 8.36 min Scan# 2260
Delta R.T. 0.00 min
Lab File: VV019935.D
Acq: 07 Jan 2021 20:33

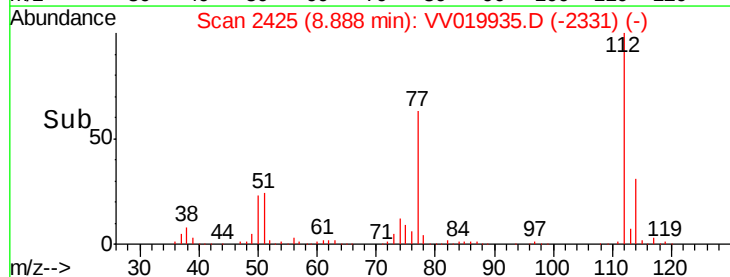
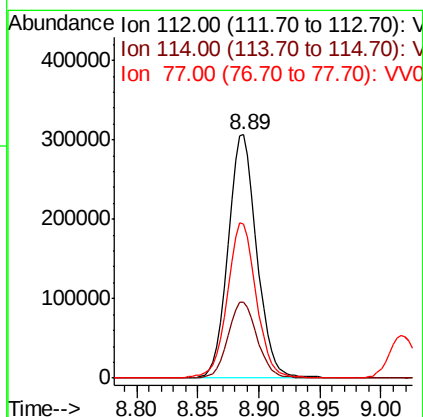
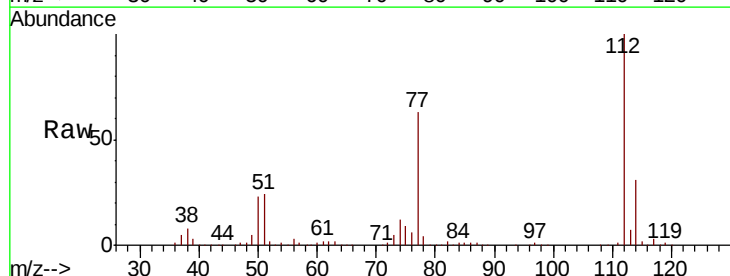
Instrument :
MSVOA_V
ClientSampleId :
VSTD05079

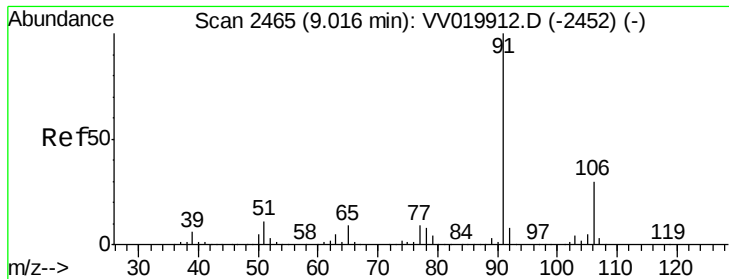
Tot Ion	Ratio	Lower	Upper
107	100		
109	94.4	66.2	123.0
188	3.2	2.6	3.8



#51
Chlorobenzene
Concen: 47.759 ug/L
RT: 8.89 min Scan# 2425
Delta R.T. 0.00 min
Lab File: VV019935.D
Acq: 07 Jan 2021 20:33

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.2	22.2	41.2
77	63.5	49.0	73.6





#52

Ethylbenzene

Concen: 48.398 ug/L

RT: 9.02 min Scan# 2465

Delta R.T. 0.00 min

Lab File: VV019935.D

Acq: 07 Jan 2021 20:33

Instrument :

MSVOA_V

ClientSampleId :

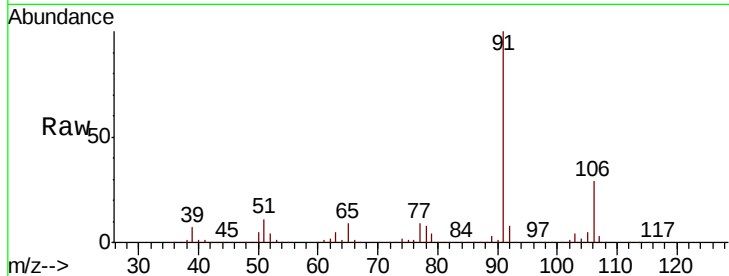
VSTD05079

Tot Ion: 91 Resp: 901577

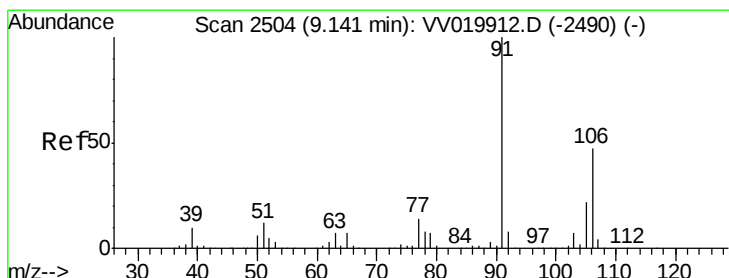
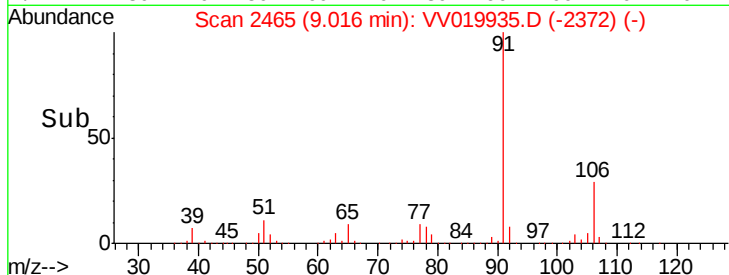
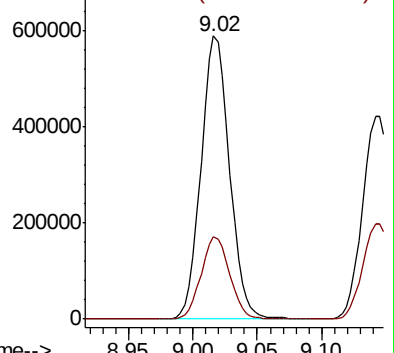
Ion Ratio Lower Upper

91 100

106 28.9 21.0 39.0



Abundance Ion 91.00 (90.70 to 91.70): VV019912.D (-2452) (-)



#53

m,p-Xylene

Concen: 47.635 ug/L

RT: 9.14 min Scan# 2505

Delta R.T. 0.00 min

Lab File: VV019935.D

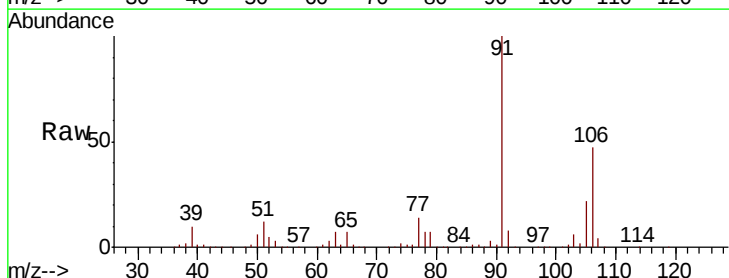
Acq: 07 Jan 2021 20:33

Tgt Ion: 106 Resp: 323205

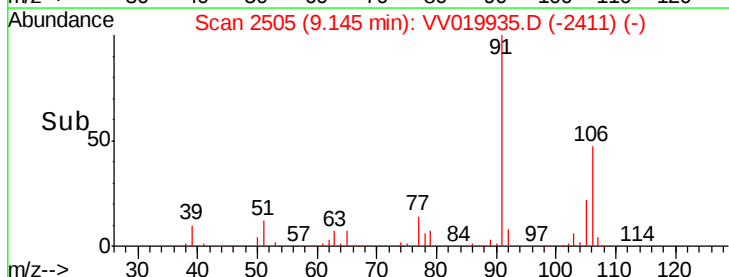
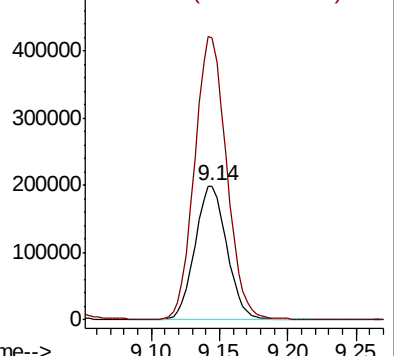
Ion Ratio Lower Upper

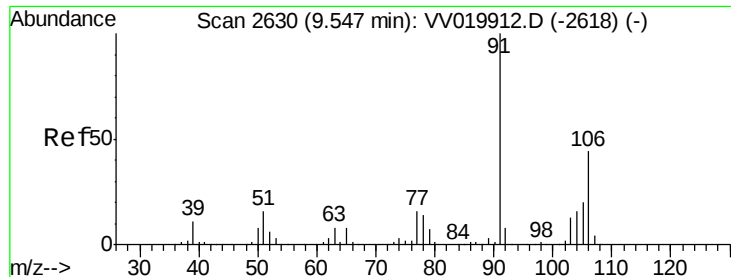
106 100

91 211.0 148.1 275.0



Abundance Ion 106.00 (105.70 to 106.70): VV019912.D (-2490) (-)





#54

o-xylene

Concen: 48.398 ug/L

RT: 9.55 min Scan# 2631

Delta R.T. 0.00 min

Lab File: VV019935.D

Acq: 07 Jan 2021 20:33

Instrument :

MSVOA_V

ClientSampleId :

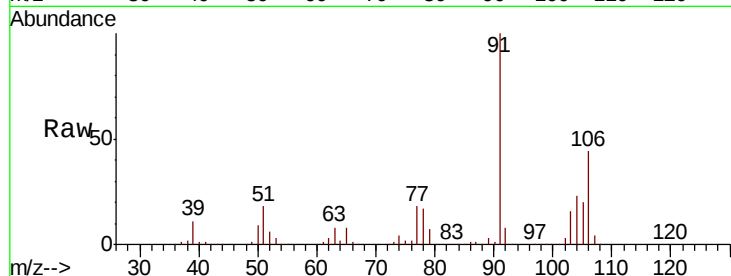
VSTD05079

Tot Ion:106 Resp: 321049

Ion Ratio Lower Upper

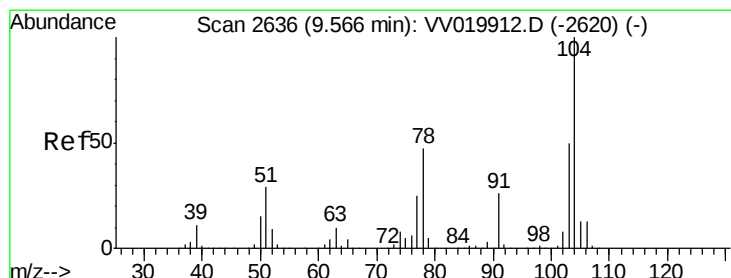
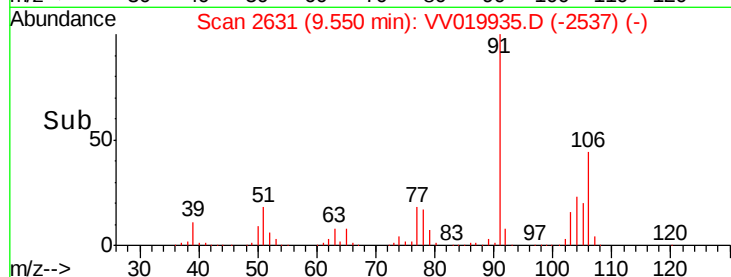
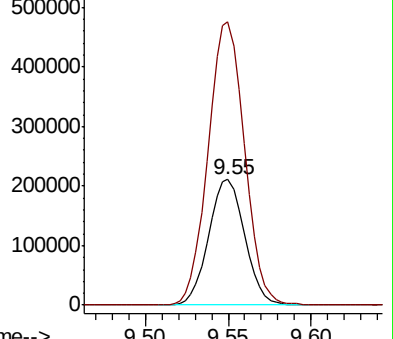
106 100

91 225.8 156.4 290.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 49.740 ug/L

RT: 9.57 min Scan# 2636

Delta R.T. 0.00 min

Lab File: VV019935.D

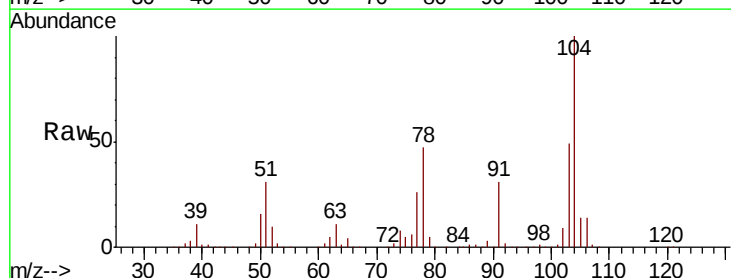
Acq: 07 Jan 2021 20:33

Tgt Ion:104 Resp: 573445

Ion Ratio Lower Upper

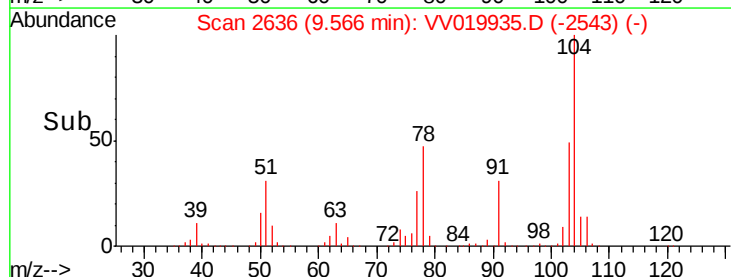
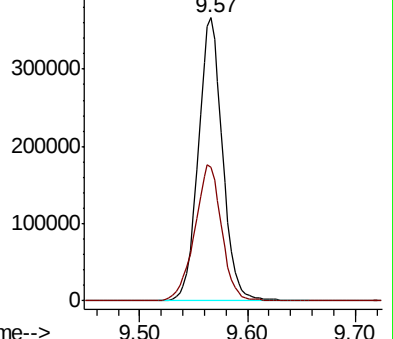
104 100

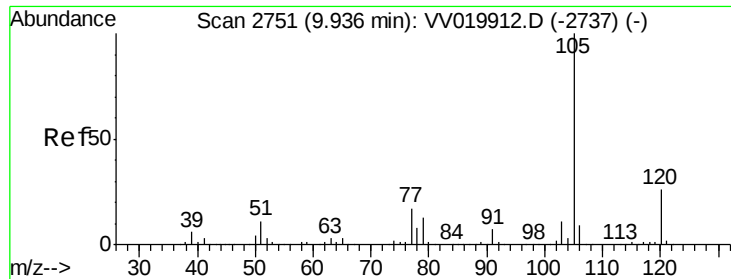
78 47.4 33.7 62.5



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 49.021 ug/L

RT: 9.94 min Scan# 2751

Delta R.T. 0.00 min

Lab File: VV019935.D

Acq: 07 Jan 2021 20:33

Instrument :

MSVOA_V

ClientSampleId :

VSTD05079

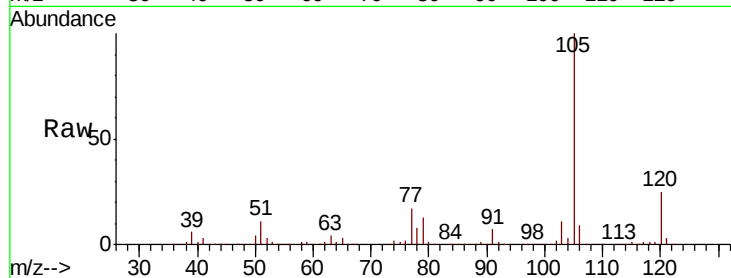
Tot Ion:105 Resp: 870885

Ion Ratio Lower Upper

105 100

120 25.3 20.5 30.7

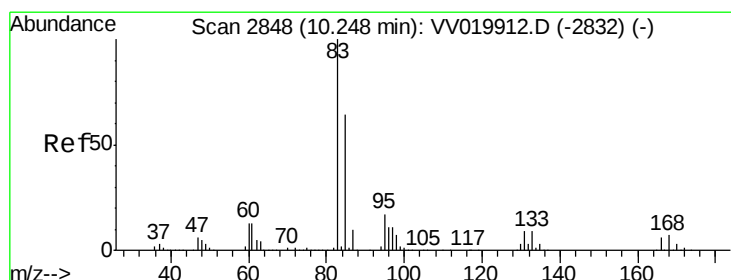
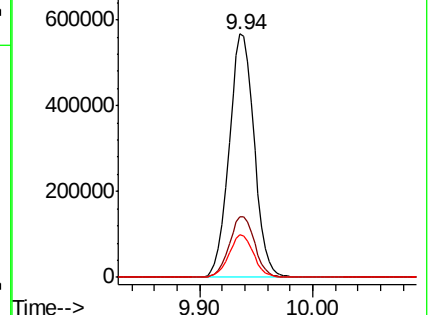
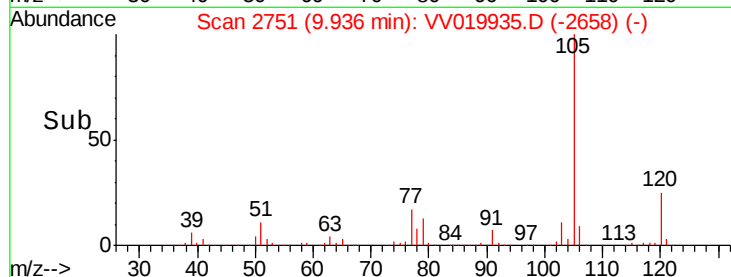
77 17.2 13.6 20.4



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: 49.277 ug/L

RT: 10.25 min Scan# 2848

Delta R.T. 0.00 min

Lab File: VV019935.D

Acq: 07 Jan 2021 20:33

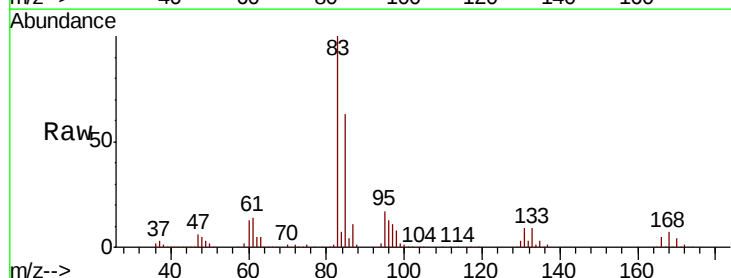
Tgt Ion: 83 Resp: 311581

Ion Ratio Lower Upper

83 100

85 62.7 44.3 82.3

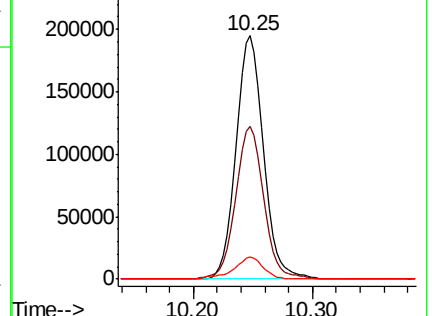
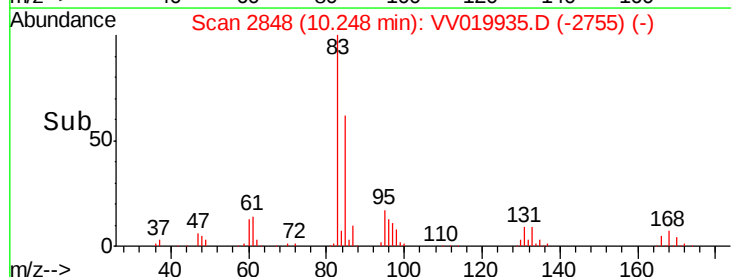
131 9.0 7.3 10.9

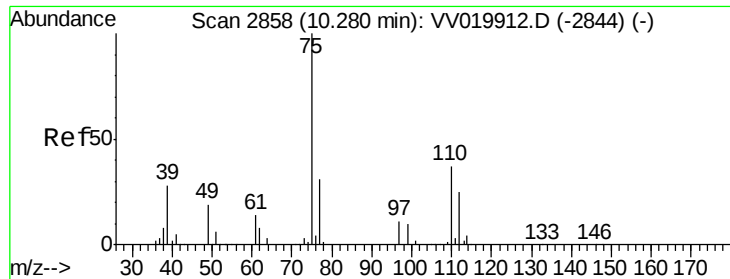


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 48.156 ug/L

RT: 10.28 min Scan# 2858

Delta R.T. 0.00 min

Lab File: VV019935.D

Acq: 07 Jan 2021 20:33

Instrument :

MSVOA_V

ClientSampleId :

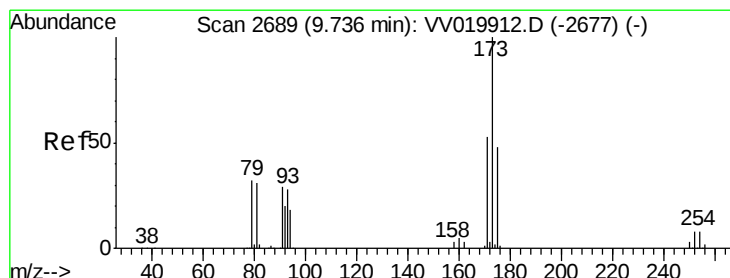
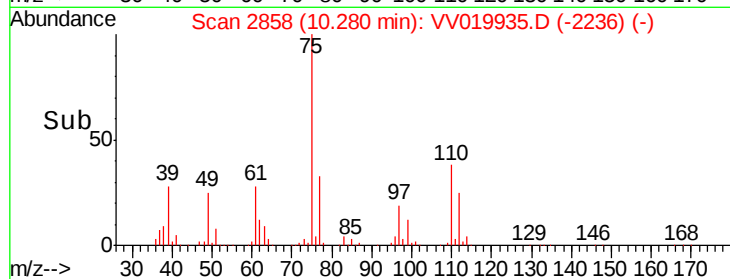
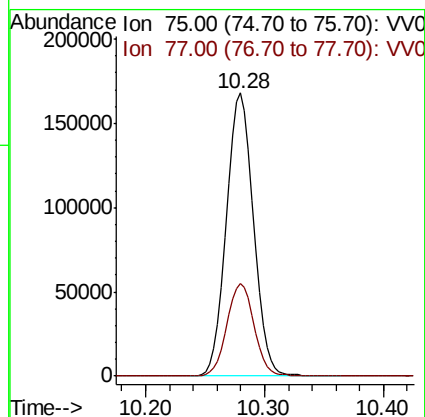
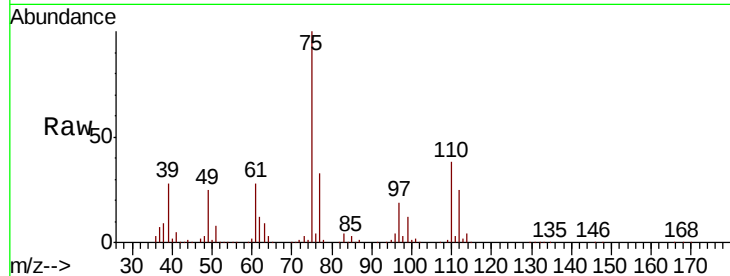
VSTD05079

Tot Ion: 75 Resp: 265691

Ion Ratio Lower Upper

75 100

77 32.8 25.4 38.0



#61

Bromoform

Concen: 44.109 ug/L

RT: 9.74 min Scan# 2689

Delta R.T. 0.00 min

Lab File: VV019935.D

Acq: 07 Jan 2021 20:33

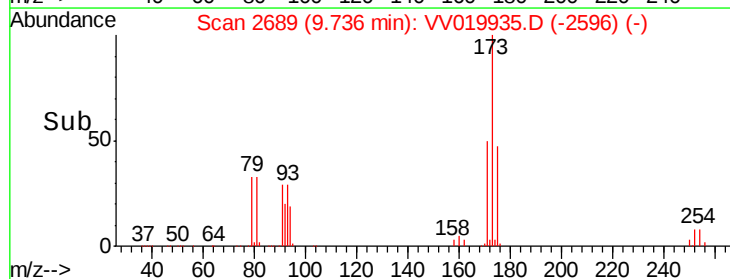
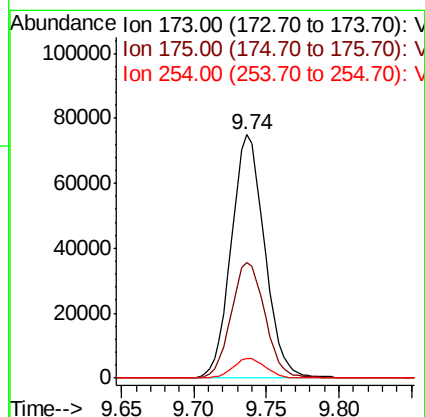
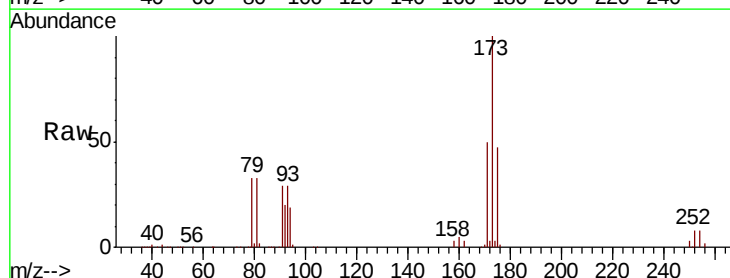
Tgt Ion: 173 Resp: 119880

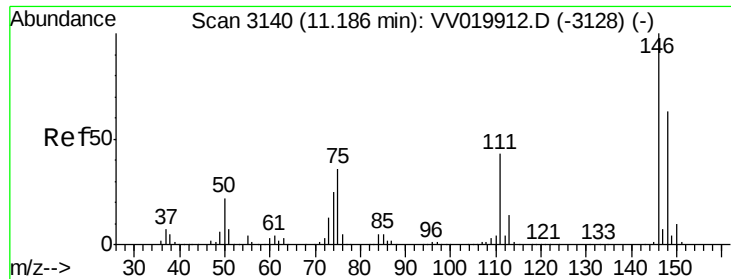
Ion Ratio Lower Upper

173 100

175 48.5 38.6 57.8

254 7.8 6.5 9.7

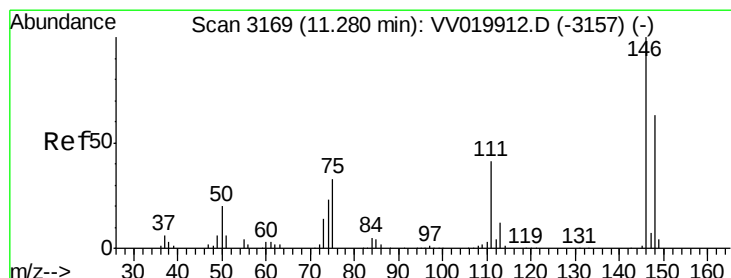
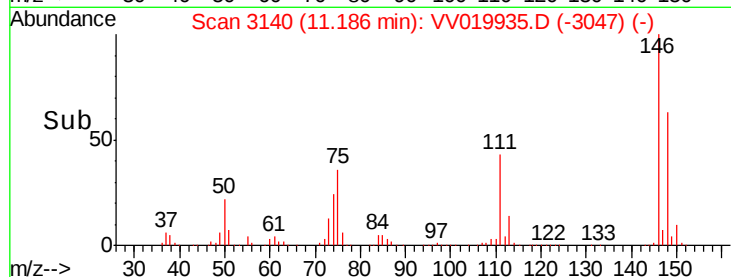
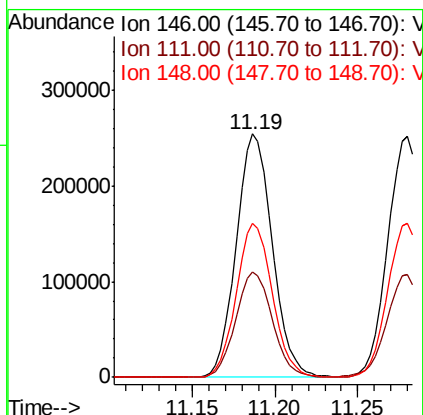
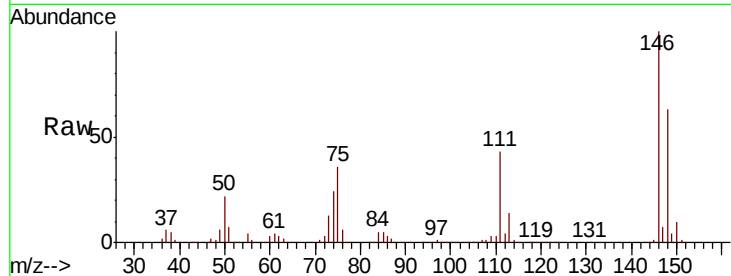




#62
 1,3-Dichlorobenzene
 Concen: 47.938 ug/L
 RT: 11.19 min Scan# 3140
 Delta R.T. 0.00 min
 Lab File: VV019935.D
 Acq: 07 Jan 2021 20:33

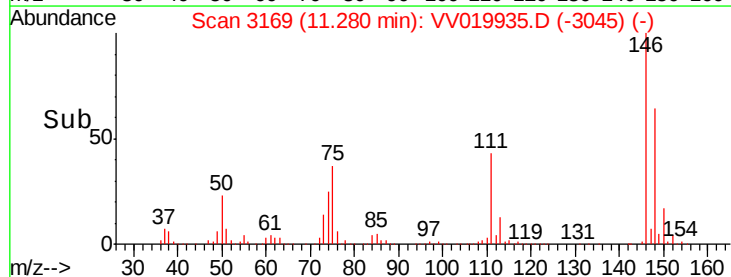
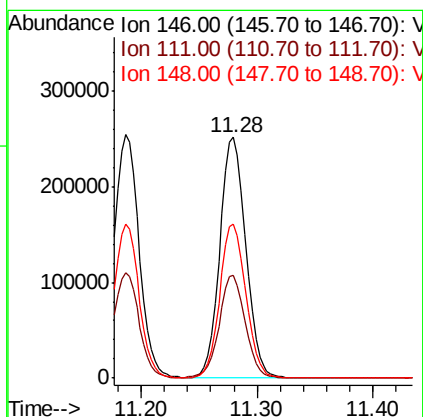
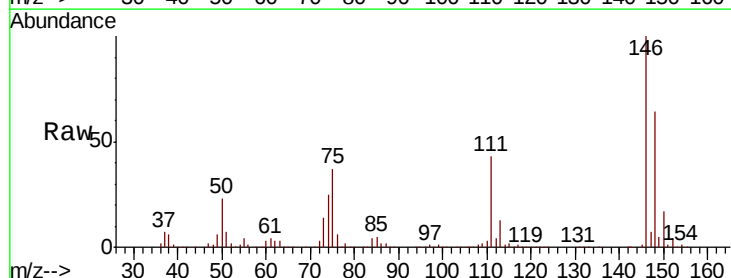
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05079

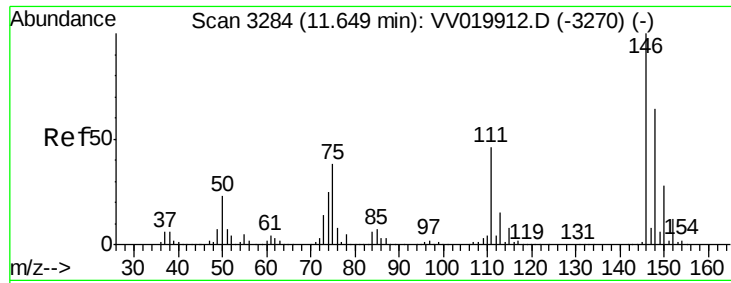
Tot Ion:146 Resp: 385646
 Ion Ratio Lower Upper
 146 100
 111 43.4 30.2 56.2
 148 63.3 45.0 83.6



#63
 1,4-Dichlorobenzene
 Concen: 47.106 ug/L
 RT: 11.28 min Scan# 3169
 Delta R.T. 0.00 min
 Lab File: VV019935.D
 Acq: 07 Jan 2021 20:33

Tgt Ion:146 Resp: 389753
 Ion Ratio Lower Upper
 146 100
 111 42.5 29.4 54.6
 148 64.1 44.7 83.1

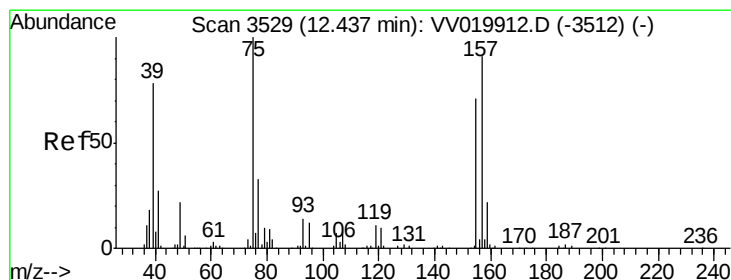
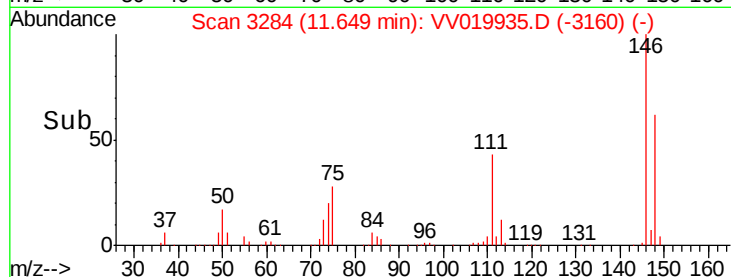
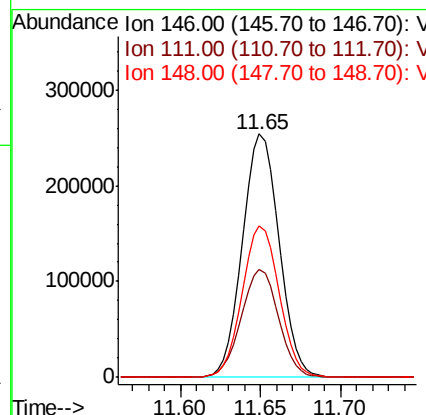
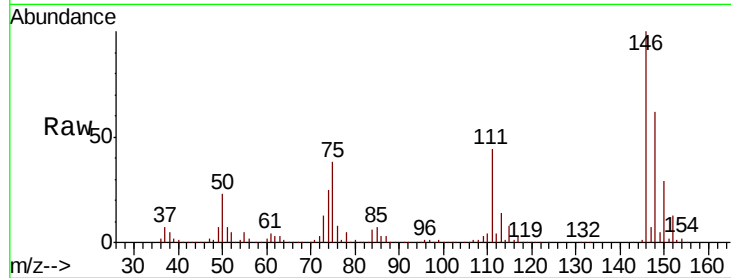




#65
 1,2-Dichlorobenzene
 Concen: 48.252 ug/L
 RT: 11.65 min Scan# 3284
 Delta R.T. 0.00 min
 Lab File: VV019935.D
 Acq: 07 Jan 2021 20:33

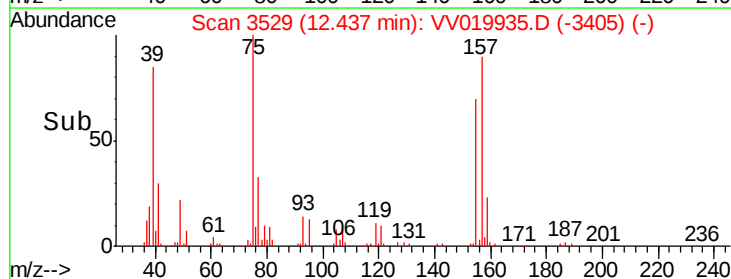
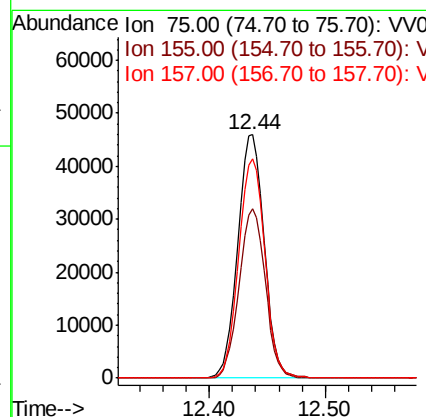
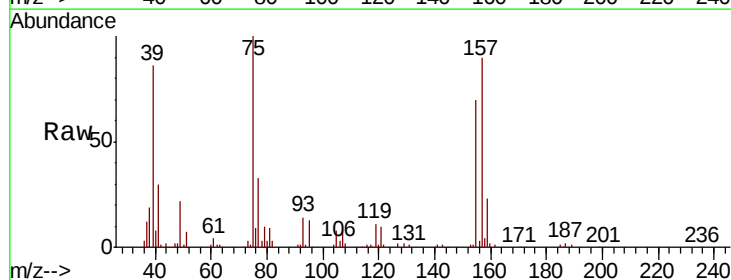
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05079

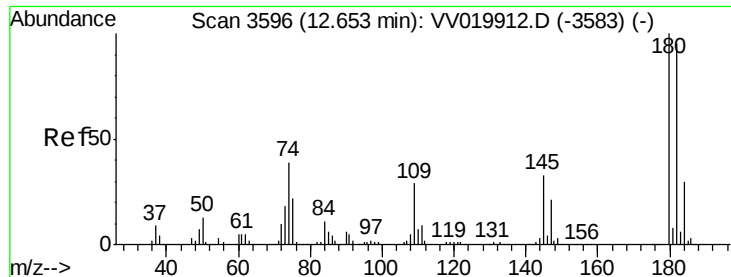
Tot Ion:146 Resp: 396242
 Ion Ratio Lower Upper
 146 100
 111 44.3 36.3 54.5
 148 62.3 51.7 77.5



#66
 1,2-Dibromo-3-chloropropane
 Concen: 46.104 ug/L
 RT: 12.44 min Scan# 3529
 Delta R.T. 0.00 min
 Lab File: VV019935.D
 Acq: 07 Jan 2021 20:33

Tgt Ion: 75 Resp: 72067
 Ion Ratio Lower Upper
 75 100
 155 69.8 59.1 88.7
 157 90.2 75.4 113.0

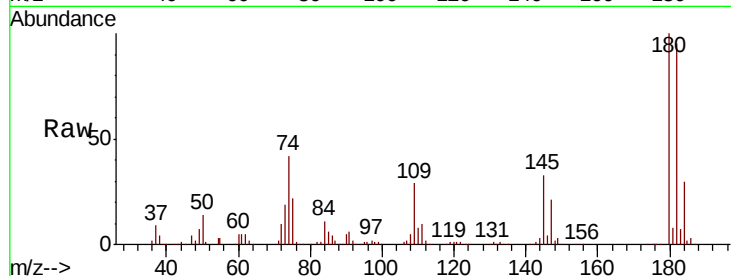




#67
 1,3,5-Trichlorobenzene
 Concen: 46.519 ug/L
 RT: 12.65 min Scan# 3596
 Delta R.T. 0.00 min
 Lab File: VV019935.D
 Acq: 07 Jan 2021 20:33

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05079

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.5	75.0	112.6
184	30.5	24.0	36.0
145	32.5	25.8	38.6



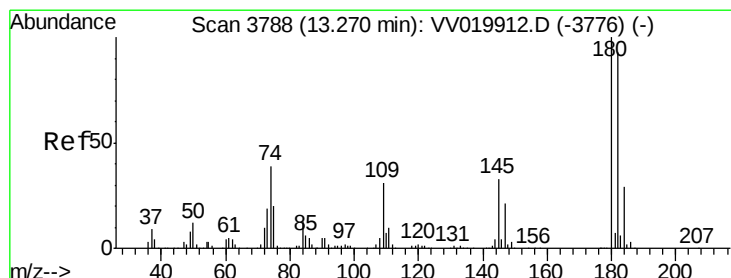
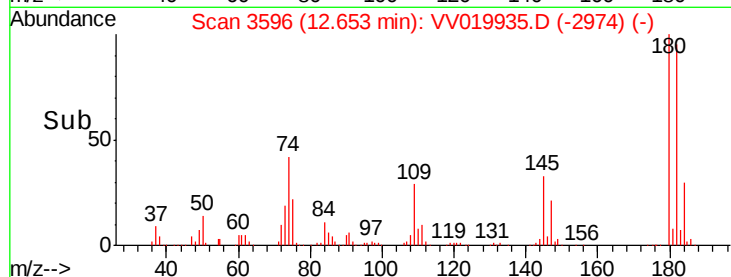
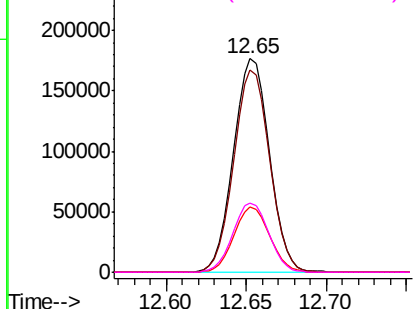
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

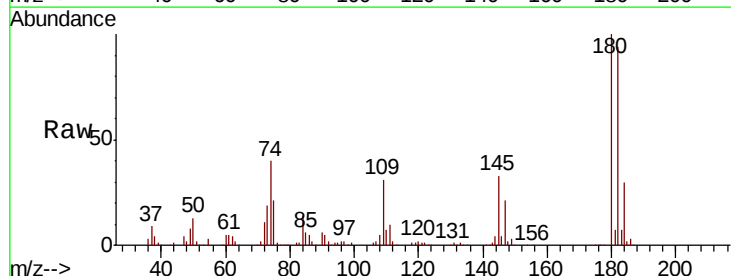
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 47.492 ug/L
 RT: 13.27 min Scan# 3788
 Delta R.T. 0.00 min
 Lab File: VV019935.D
 Acq: 07 Jan 2021 20:33

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.7	75.1	112.7
145	33.4	26.8	40.2

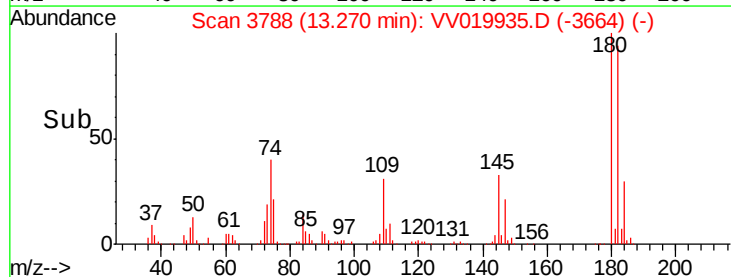
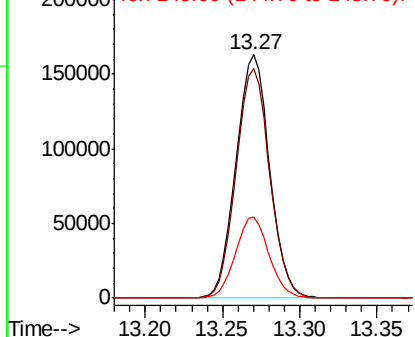


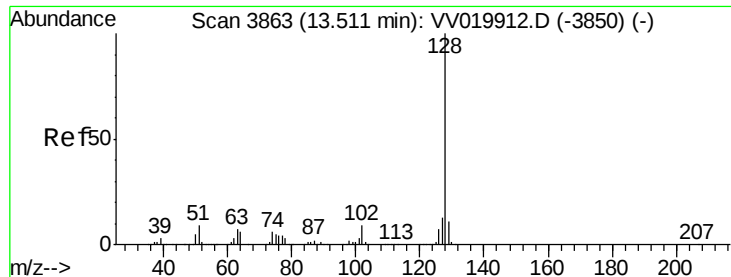
Abundance

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: 50.500 ug/L

RT: 13.51 min Scan# 3863

Delta R.T. 0.00 min

Lab File: VV019935.D

Acq: 07 Jan 2021 20:33

Instrument :

MSVOA_V

ClientSampleId :

VSTD05079

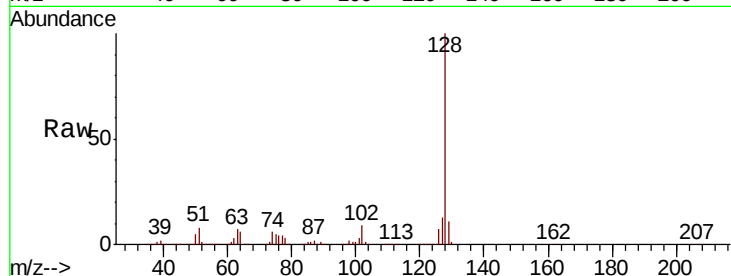
Tot Ion:128 Resp: 820872

Ion Ratio Lower Upper

128 100

127 13.1 10.3 15.5

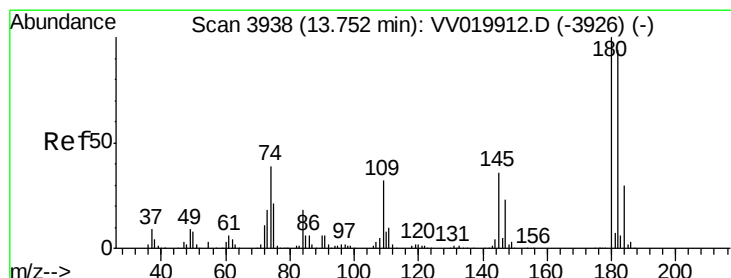
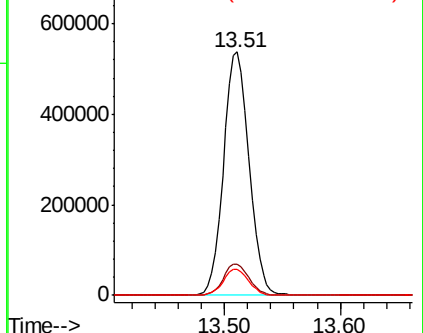
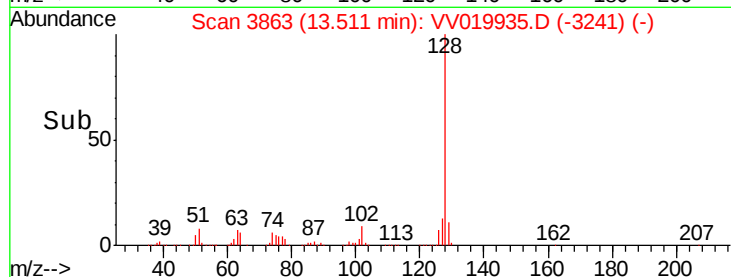
129 10.8 8.6 13.0



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: 49.923 ug/L

RT: 13.75 min Scan# 3938

Delta R.T. 0.00 min

Lab File: VV019935.D

Acq: 07 Jan 2021 20:33

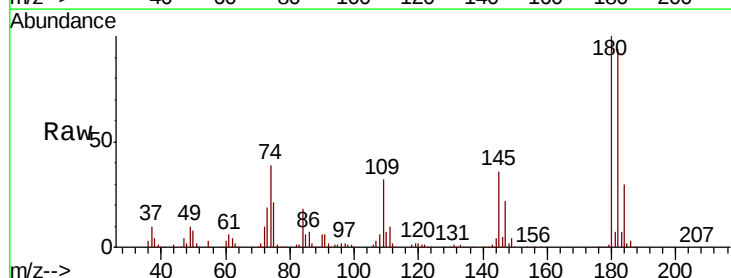
Tgt Ion:180 Resp: 250747

Ion Ratio Lower Upper

180 100

182 93.4 76.1 114.1

145 35.3 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

