

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV121420\
 Data File : VV019619.D
 Acq On : 14 Dec 2020 21:05
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05088

Quant Time: Dec 15 07:24:58 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM121020WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Dec 15 07:21:43 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.62	114	634960	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.86	117	597042	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.25	152	286431	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	167322	36.75	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	73.50%
7) Chloroethane-d5	1.57	69	151973	42.32	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	84.64%
11) 1,1-Dichloroethene-d2	2.11	63	346622	41.02	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	82.04%
21) 2-Butanone-d5	3.89	46	273301	110.43	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	110.43%
24) Chloroform-d	4.35	84	369869	45.07	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.14%
26) 1,2-Dichloroethane-d4	5.04	65	247422	46.14	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.28%
32) Benzene-d6	5.05	84	674349	42.35	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.70%
36) 1,2-Dichloropropane-d6	6.07	67	223817	44.87	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	89.74%
41) Toluene-d8	7.32	98	587559	40.98	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	81.96%
43) trans-1,3-Dichloropropene-	7.62	79	114253	40.27	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	80.54%
47) 2-Hexanone-d5	8.09	63	200765	102.55	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	102.55%
57) 1,1,2,2-Tetrachloroethane-	10.22	84	327276	48.51	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.02%
64) 1,2-Dichlorobenzene-d4	11.63	152	232200	43.37	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	86.74%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.13	85	225554	44.017	ug/L 100
3) Chloromethane	1.24	50	261648	48.038	ug/L 100
5) Vinyl chloride	1.31	62	256341	46.920	ug/L 100
6) Bromomethane	1.52	94	156127	47.586	ug/L 98
8) Chloroethane	1.59	64	159226	48.318	ug/L 100
9) Trichlorofluoromethane	1.76	101	305819	45.816	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	165550	44.910	ug/L 99
12) 1,1-Dichloroethene	2.12	96	175715	46.452	ug/L # 86
13) Acetone	2.19	43	226789	107.569	ug/L 99
14) Carbon disulfide	2.30	76	529460	42.598	ug/L 99
15) Methyl Acetate	2.44	43	250899	54.621	ug/L 99
16) Methylene chloride	2.51	84	214380	48.337	ug/L 99
17) trans-1,2-Dichloroethene	2.76	96	193896	46.766	ug/L 99
18) Methyl tert-butyl Ether	2.77	73	704502	48.628	ug/L 100
19) 1,1-Dichloroethane	3.19	63	390497	48.580	ug/L 99
20) cis-1,2-Dichloroethene	3.92	96	220937	48.474	ug/L # 99
22) 2-Butanone	3.98	43	350213	113.242	ug/L 98

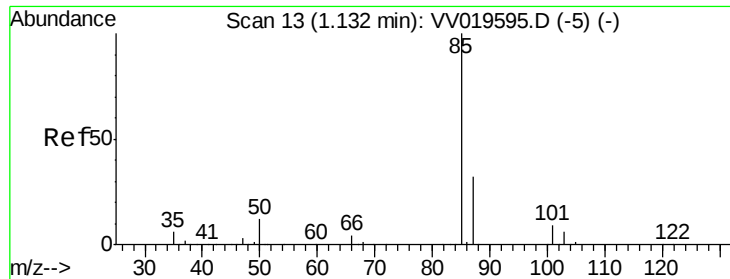
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV121420\
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 Quant Title : VOC Analysis
 QLast Update : Tue Dec 15 07:21:43 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.25	128	109027	48.617	ug/L	98
25) Chloroform	4.38	83	389210	48.482	ug/L	99
27) 1,2-Dichloroethane	5.14	62	327030	49.172	ug/L	99
29) Cyclohexane	4.68	56	320243	43.765	ug/L	100
30) 1,1,1-Trichloroethane	4.61	97	336978	45.013	ug/L	99
31) Carbon tetrachloride	4.83	117	274133	43.378	ug/L	99
33) Benzene	5.10	78	825626	47.317	ug/L	100
34) Trichloroethene	5.92	95	211838	45.958	ug/L	98
35) Methylcyclohexane	6.14	83	308027	43.988	ug/L	99
37) 1,2-Dichloropropane	6.18	63	222540	48.837	ug/L	100
38) Bromodichloromethane	6.51	83	295708	46.408	ug/L	99
39) cis-1,3-Dichloropropene	7.03	75	356264	47.074	ug/L	98
40) 4-Methyl-2-pentanone	7.23	43	687503	104.577	ug/L	100
42) Toluene	7.39	91	846262	46.016	ug/L	100
44) trans-1,3-Dichloropropene	7.65	75	345397	45.072	ug/L	99
45) 1,1,2-Trichloroethane	7.84	97	209274	48.362	ug/L	99
46) Tetrachloroethene	7.98	164	138770	43.509	ug/L	96
48) 2-Hexanone	8.14	43	526586	105.564	ug/L	99
49) Dibromochloromethane	8.25	129	219045	46.223	ug/L	99
50) 1,2-Dibromoethane	8.35	107	220936	48.485	ug/L	98
51) Chlorobenzene	8.88	112	541032	46.062	ug/L	100
52) Ethylbenzene	9.02	91	944668	45.085	ug/L	100
53) m,p-Xylene	9.14	106	348646	44.538	ug/L	99
54) o-xylene	9.55	106	346060	45.102	ug/L	99
55) Styrene	9.56	104	613005	45.840	ug/L	99
56) Isopropylbenzene	9.94	105	917948	44.907	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.24	83	347689	49.964	ug/L	100
59) 1,2,3-Trichloropropane	10.28	75	287885	50.792	ug/L	100
61) Bromoform	9.73	173	144144	45.481	ug/L	99
62) 1,3-Dichlorobenzene	11.19	146	399557	45.466	ug/L	100
63) 1,4-Dichlorobenzene	11.28	146	408270	45.879	ug/L	99
65) 1,2-Dichlorobenzene	11.65	146	408505	47.043	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.43	75	89158	49.187	ug/L	95
67) 1,3,5-Trichlorobenzene	12.65	180	281763	45.380	ug/L	99
68) 1,2,4-trichlorobenzene	13.26	180	264609	45.580	ug/L	99
69) Naphthalene	13.50	128	993674	49.294	ug/L	100
70) 1,2,3-Trichlorobenzene	13.75	180	268717	47.365	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 44.017 ug/L

RT: 1.13 min Scan# 12

Delta R.T. -0.00 min

Lab File: VV019619.D

Acq: 14 Dec 2020 21:05

Instrument :

MSVOA_V

ClientSampleId :

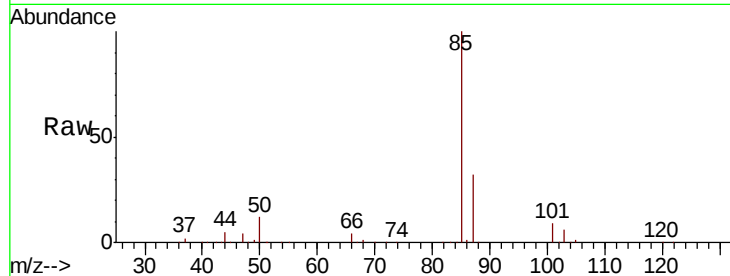
VSTD05088

Tot Ion: 85 Resp: 225554

Ion Ratio Lower Upper

85 100

87 32.1 25.7 38.5



Abundance Ion 85.00 (84.70 to 85.70): VV019595.D (-5) (-)

Ion 87.00 (86.70 to 87.70): VV019595.D (-5) (-)

1.13

250000

200000

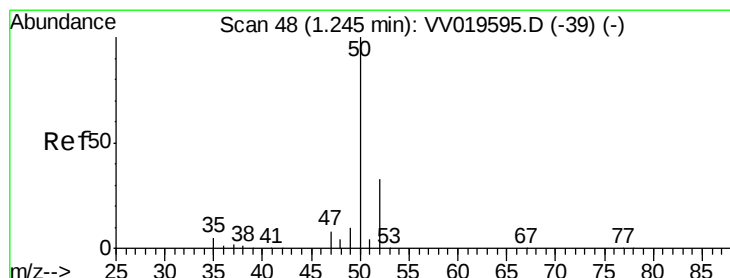
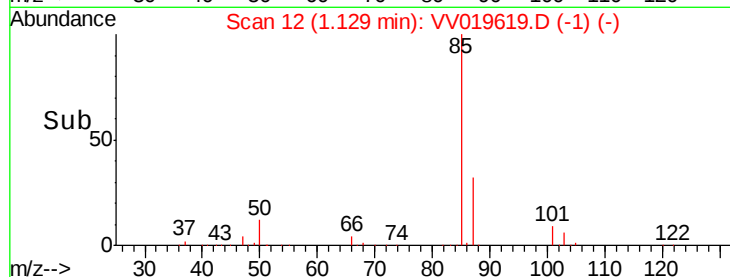
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 48.038 ug/L

RT: 1.24 min Scan# 48

Delta R.T. 0.00 min

Lab File: VV019619.D

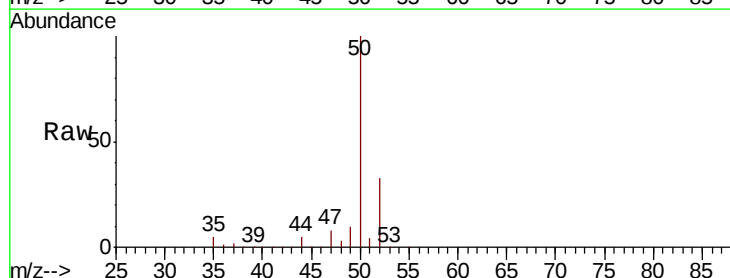
Acq: 14 Dec 2020 21:05

Tgt Ion: 50 Resp: 261648

Ion Ratio Lower Upper

50 100

52 32.9 23.2 43.0



Abundance Ion 50.00 (49.70 to 50.70): VV019595.D (-39) (-)

Ion 52.00 (51.70 to 52.70): VV019595.D (-39) (-)

1.24

300000

250000

200000

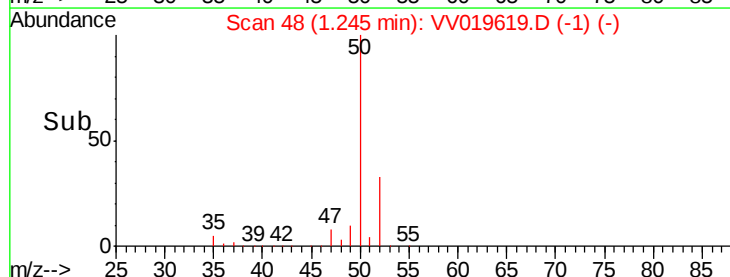
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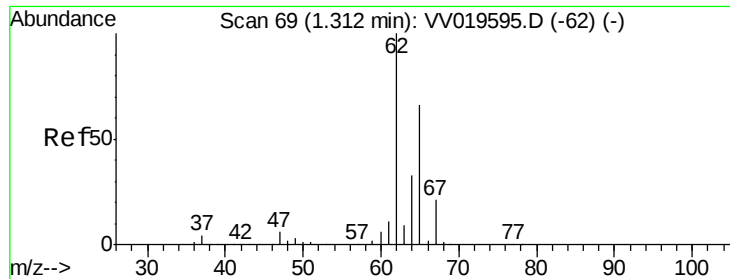
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 46.920 ug/L

RT: 1.31 min Scan# 69

Delta R.T. 0.00 min

Lab File: VV019619.D

Acq: 14 Dec 2020 21:05

Instrument :

MSVOA_V

ClientSampleId :

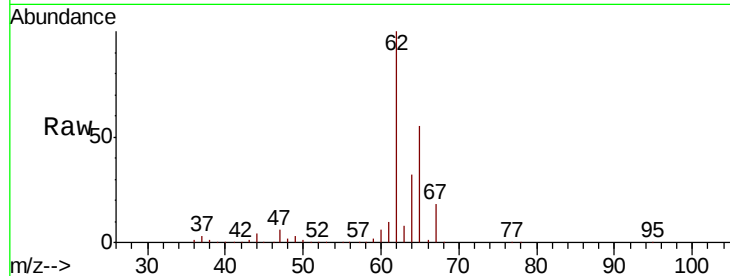
VSTD05088

Tot Ion: 62 Resp: 256341

Ion Ratio Lower Upper

62 100

64 32.4 22.5 41.7



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0

1.31

250000

200000

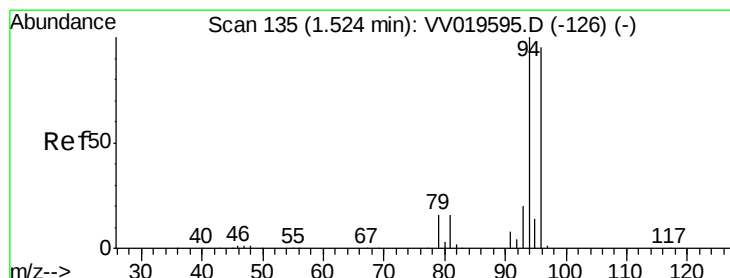
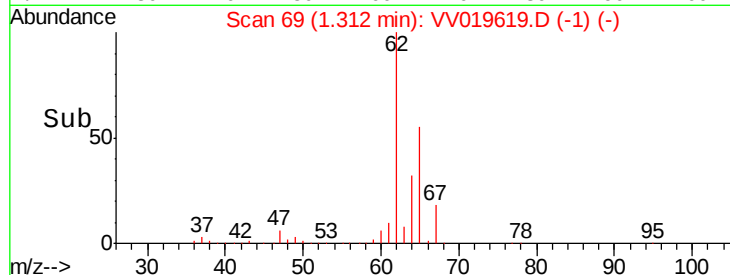
150000

100000

50000

0

Time-->



#6

Bromomethane

Concen: 47.586 ug/L

RT: 1.52 min Scan# 135

Delta R.T. 0.00 min

Lab File: VV019619.D

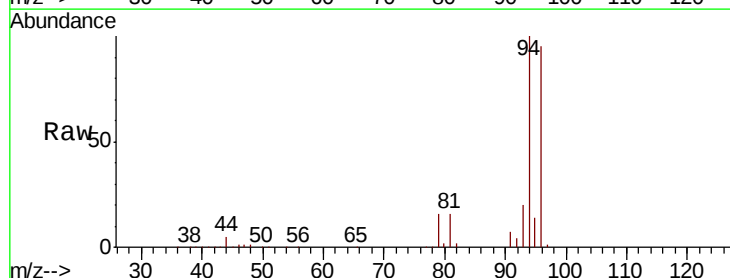
Acq: 14 Dec 2020 21:05

Tgt Ion: 94 Resp: 156127

Ion Ratio Lower Upper

94 100

96 94.8 65.2 121.2



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

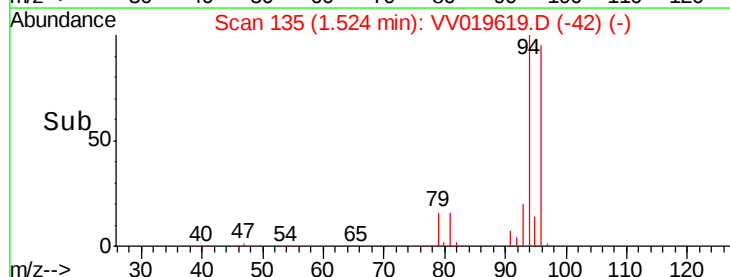
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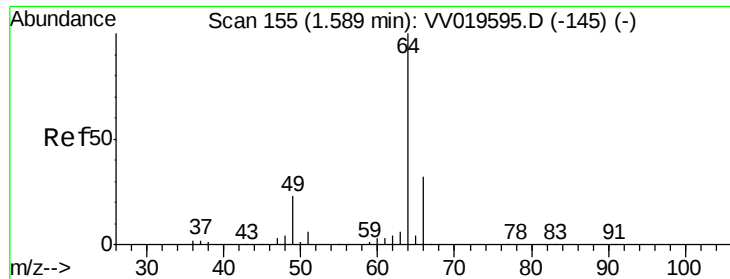
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50000

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Time-->

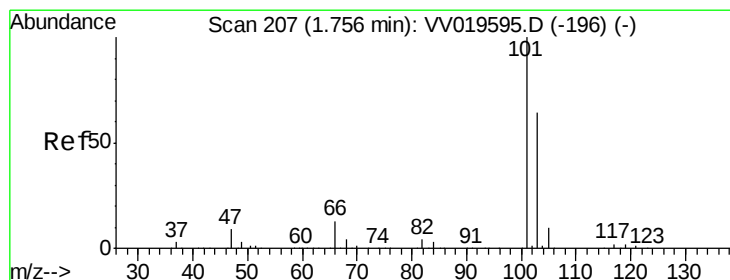
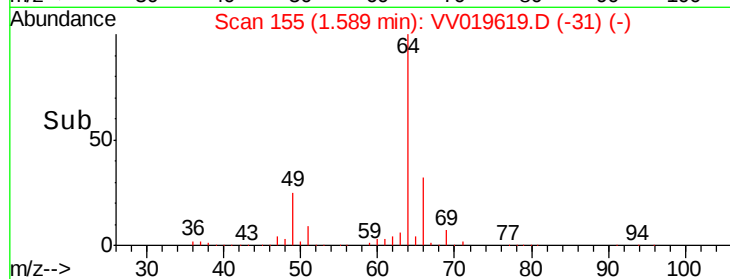
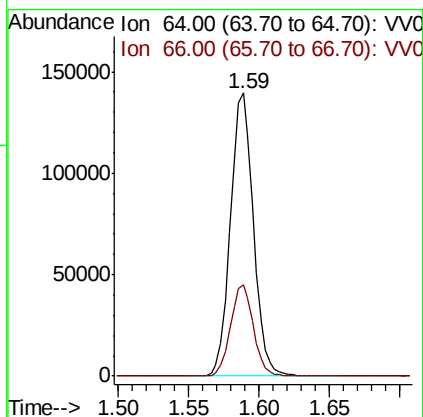
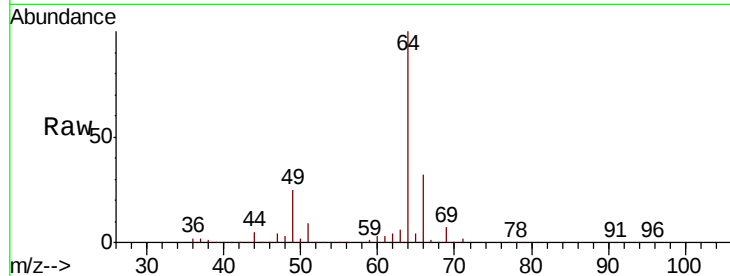




#8
 Chloroethane
 Concen: 48.318 ug/L
 RT: 1.59 min Scan# 155
 Delta R.T. 0.00 min
 Lab File: VV019619.D
 Acq: 14 Dec 2020 21:05

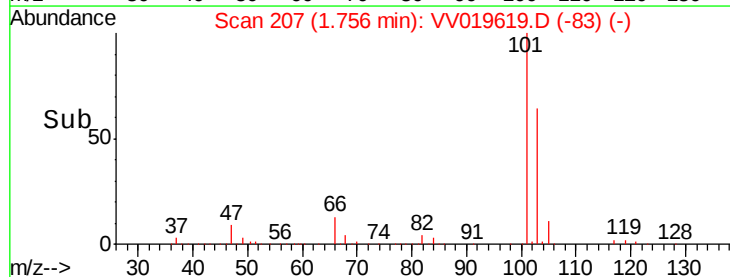
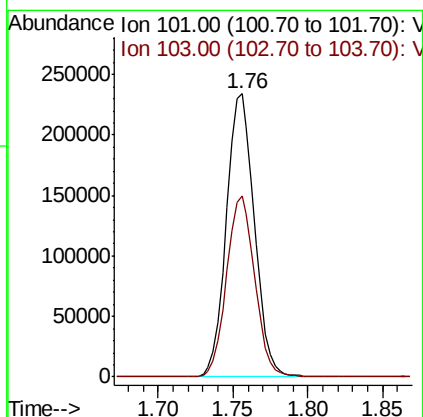
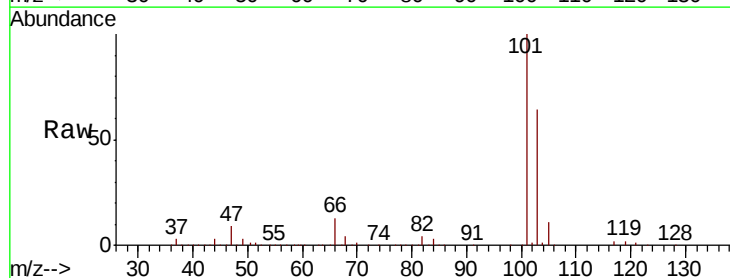
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05088

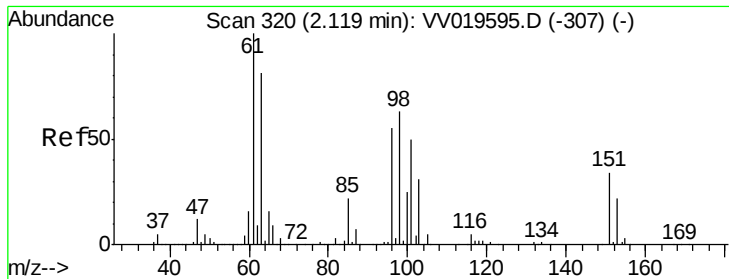
Tot Ion: 64 Resp: 159226
 Ion Ratio Lower Upper
 64 100
 66 32.3 22.5 41.7



#9
 Trichlorofluoromethane
 Concen: 45.816 ug/L
 RT: 1.76 min Scan# 207
 Delta R.T. 0.00 min
 Lab File: VV019619.D
 Acq: 14 Dec 2020 21:05

Tgt Ion: 101 Resp: 305819
 Ion Ratio Lower Upper
 101 100
 103 64.4 51.6 77.4





#10

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

Concen: 44.910 ug/L

RT: 2.12 min Scan# 320

Delta R.T. 0.00 min

Lab File: VV019619.D

Acq: 14 Dec 2020 21:05

Instrument :

MSVOA_V

ClientSampleId :

VSTD05088

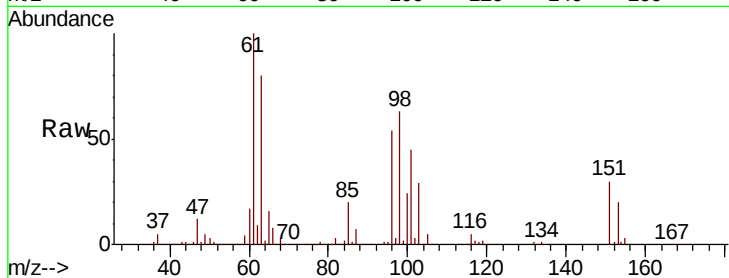
Tot Ion:101 Resp: 165550

Ion Ratio Lower Upper

101 100

85 44.1 35.0 52.4

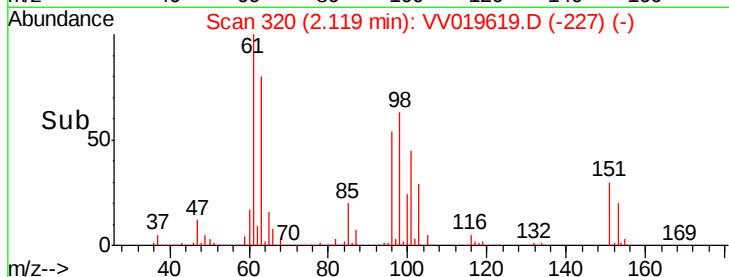
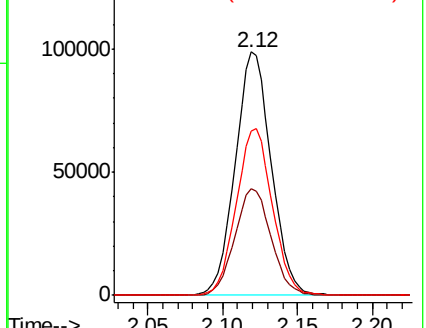
151 68.5 55.8 83.8



Abundance Ion 101.00 (100.70 to 101.70): VV019595.D (-307) (-)

Ion 85.00 (84.70 to 85.70): VV019595.D (-307) (-)

Ion 151.00 (150.70 to 151.70): VV019595.D (-307) (-)



#12

1,1-Dichloroethene

Concen: 46.452 ug/L

RT: 2.12 min Scan# 321

Delta R.T. 0.00 min

Lab File: VV019619.D

Acq: 14 Dec 2020 21:05

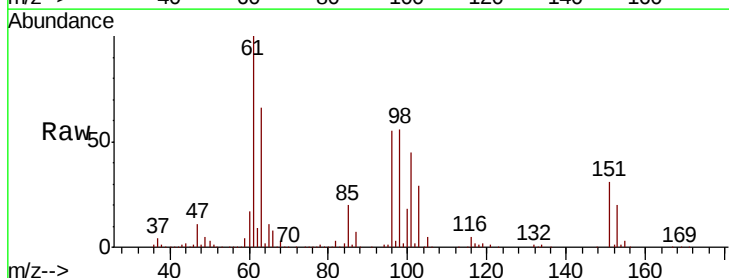
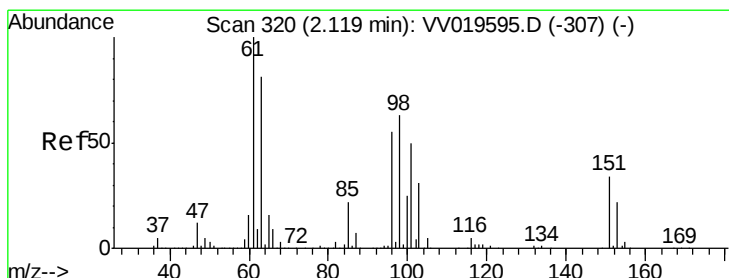
Tgt Ion: 96 Resp: 175715

Ion Ratio Lower Upper

96 100

61 181.4 120.7 224.1

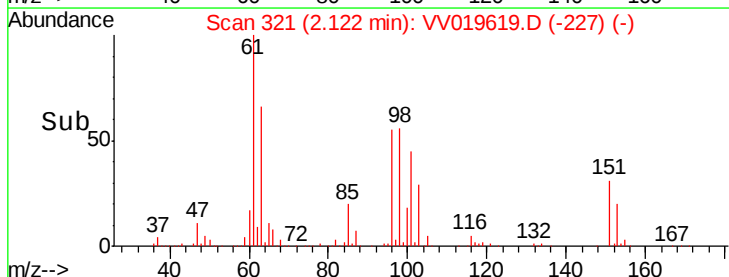
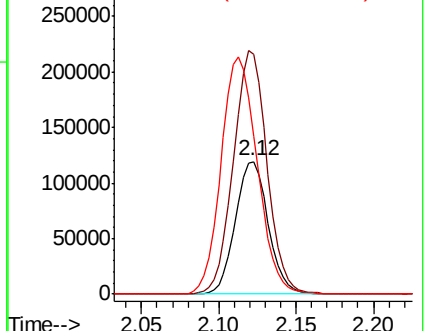
63 119.8 64.3 119.5#

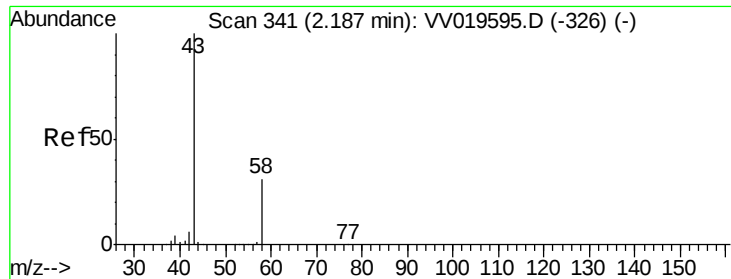


Abundance Ion 96.00 (95.70 to 96.70): VV019619.D (-227) (-)

Ion 61.00 (60.70 to 61.70): VV019619.D (-227) (-)

Ion 63.00 (62.70 to 63.70): VV019619.D (-227) (-)





#13

Acetone

Concen: 107.569 ug/L

RT: 2.19 min Scan# 341

Delta R.T. 0.00 min

Lab File: VV019619.D

Acq: 14 Dec 2020 21:05

Instrument :

MSVOA_V

ClientSampleId :

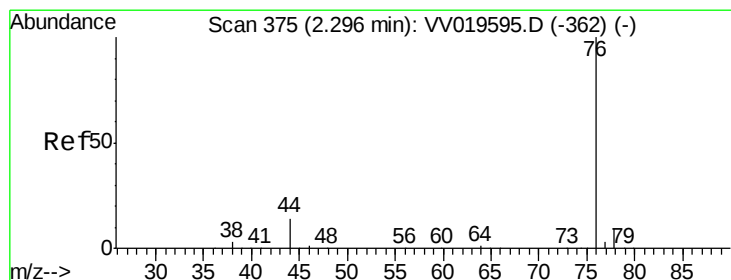
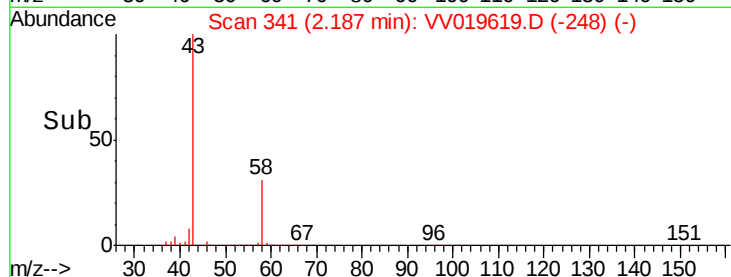
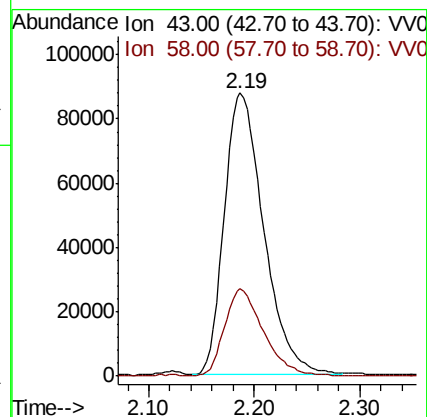
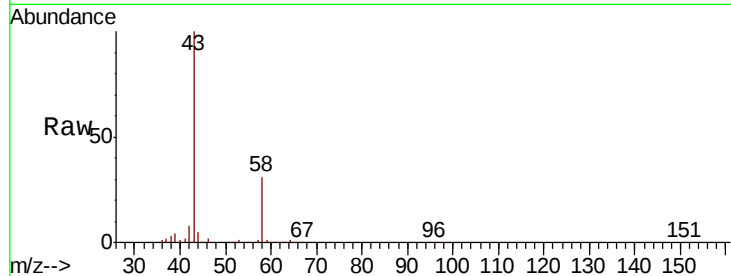
VSTD05088

Tot Ion: 43 Resp: 226789

Ion Ratio Lower Upper

43 100

58 30.4 0.0 61.6



#14

Carbon disulfide

Concen: 42.598 ug/L

RT: 2.30 min Scan# 375

Delta R.T. 0.00 min

Lab File: VV019619.D

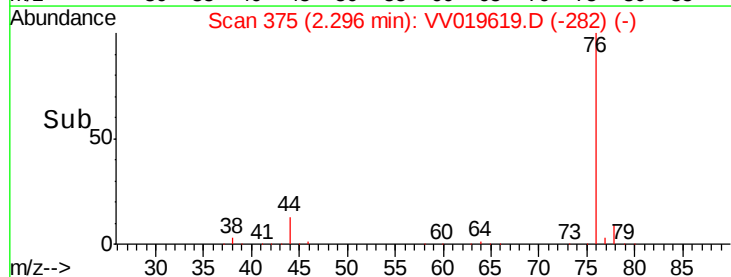
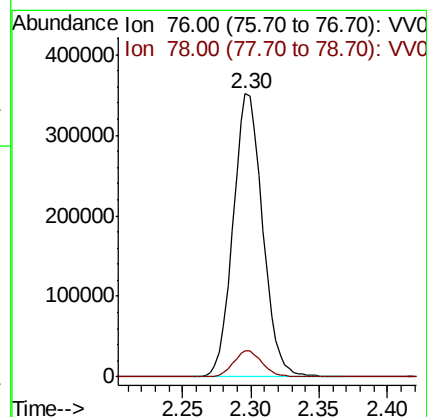
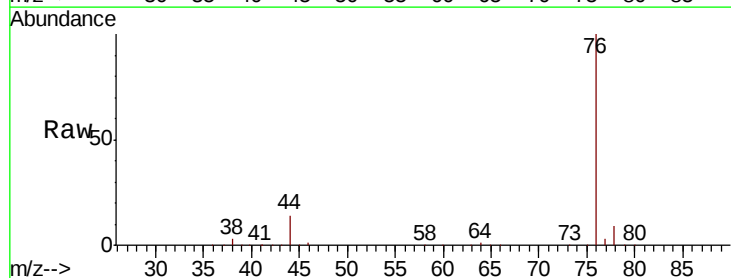
Acq: 14 Dec 2020 21:05

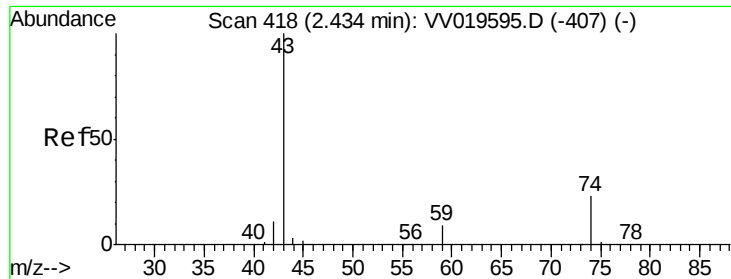
Tgt Ion: 76 Resp: 529460

Ion Ratio Lower Upper

76 100

78 9.2 7.2 10.8





#15

Methvl Acetate

Concen: 54.621 ug/L

RT: 2.44 min Scan# 419

Delta R.T. 0.00 min

Lab File: VV019619.D

Acq: 14 Dec 2020 21:05

Instrument :

MSVOA_V

ClientSampled :

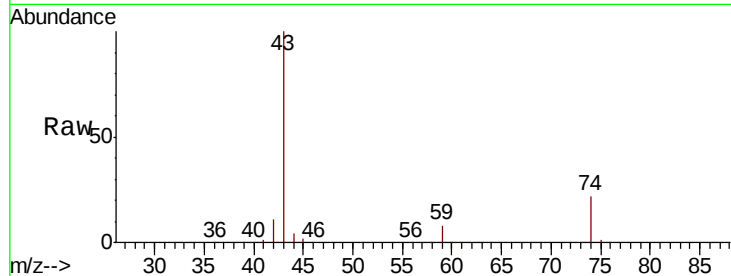
VSTD05088

Tot Ion: 43 Resp: 250899

Ion Ratio Lower Upper

43 100

74 22.3 18.2 27.4



Abundance Ion 43.00 (42.70 to 43.70): VV019619.D (-325) (-)

Ion 74.00 (73.70 to 74.70): VV019619.D (-325) (-)

2.44

150000

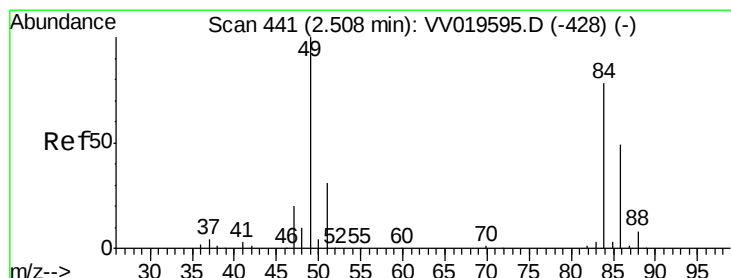
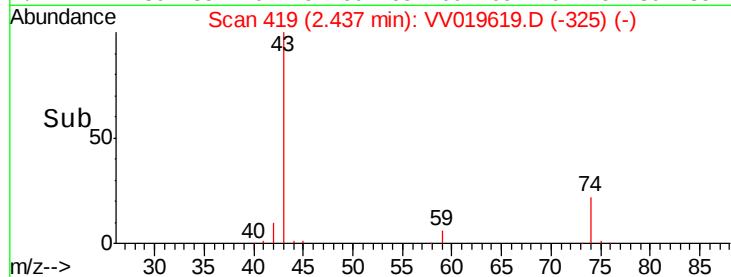
100000

50000

0

2.40 2.50 2.60

Time-->



#16

Methylene chloride

Concen: 48.337 ug/L

RT: 2.51 min Scan# 442

Delta R.T. 0.00 min

Lab File: VV019619.D

Acq: 14 Dec 2020 21:05

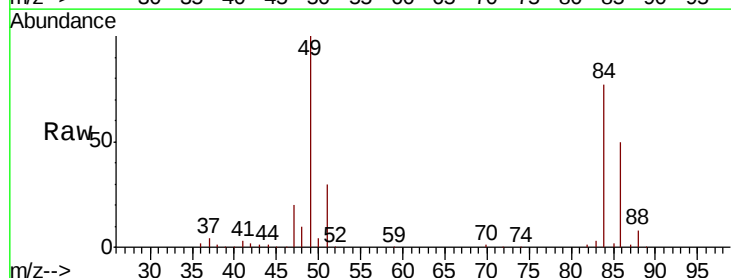
Tgt Ion: 84 Resp: 214380

Ion Ratio Lower Upper

84 100

86 64.4 45.7 84.9

49 129.7 90.6 168.3



Abundance Ion 84.00 (83.70 to 84.70): VV019619.D (-348) (-)

Ion 86.00 (85.70 to 86.70): VV019619.D (-348) (-)

Ion 49.00 (48.70 to 49.70): VV019619.D (-348) (-)

200000

150000

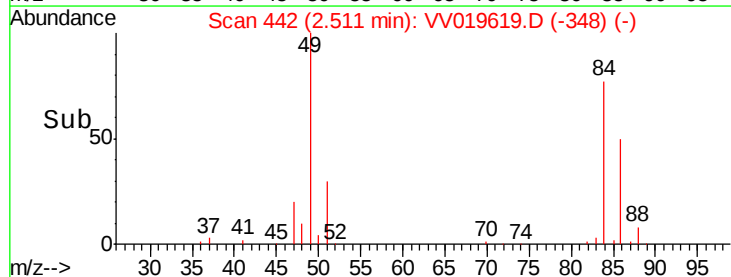
100000

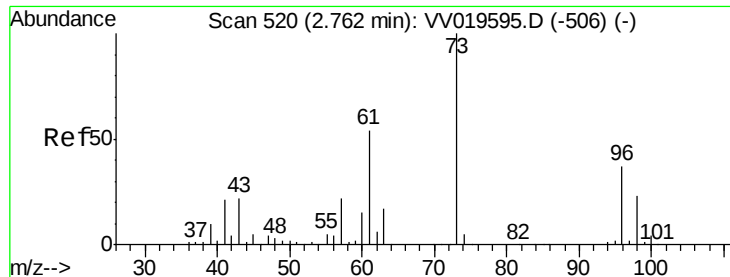
50000

0

2.45 2.50 2.55 2.60

Time-->

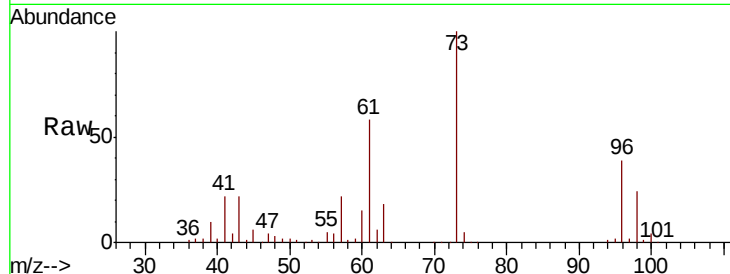




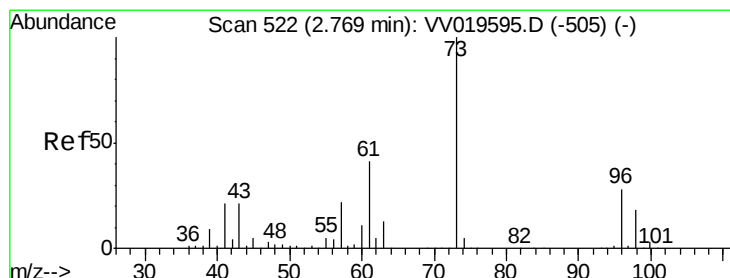
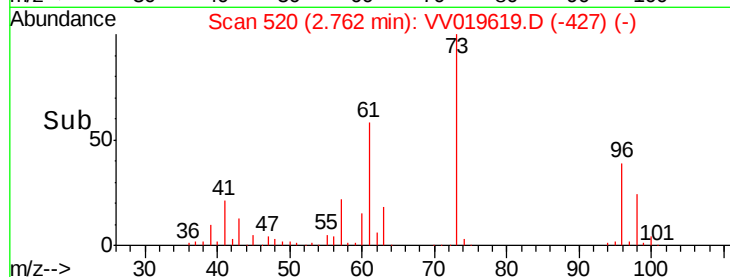
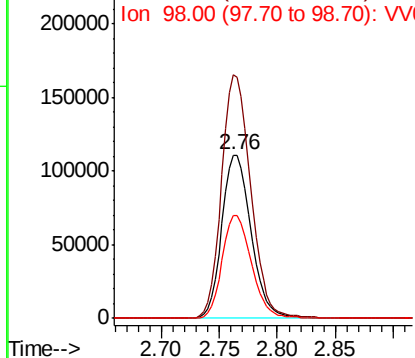
#17
trans-1,2-Dichloroethene
Concen: 46.766 ug/L
RT: 2.76 min Scan# 520
Delta R.T. 0.00 min
Lab File: VV019619.D
Acq: 14 Dec 2020 21:05

Instrument :
MSVOA_V
ClientSampleId :
VSTD05088

Tot Ion: 96 Resp: 193896
Ion Ratio Lower Upper
96 100
61 149.0 103.5 192.1
98 63.1 44.4 82.5

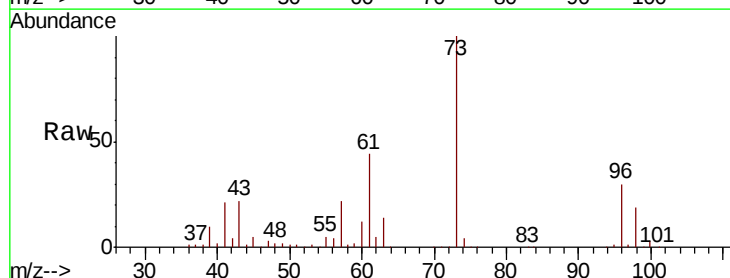


Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 98.00 (97.70 to 98.70): VV0

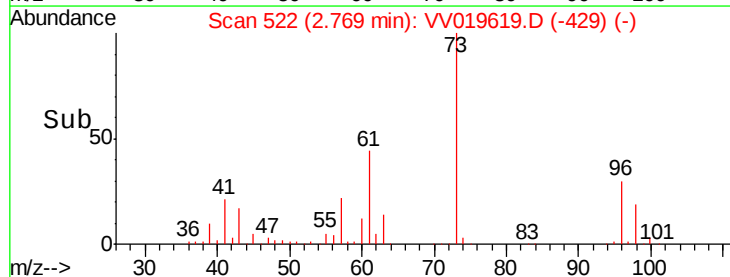
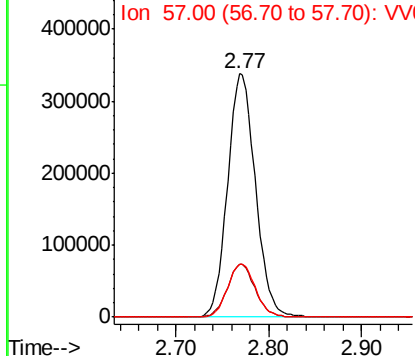


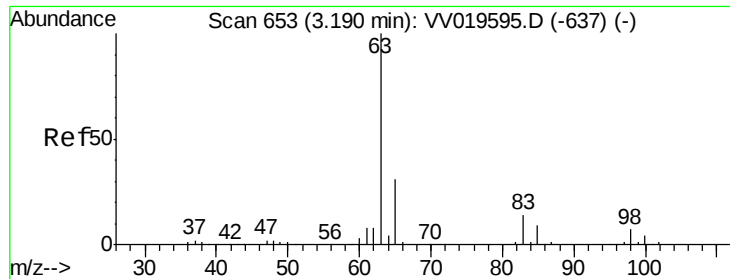
#18
Methyl tert-butyl Ether
Concen: 48.628 ug/L
RT: 2.77 min Scan# 522
Delta R.T. 0.00 min
Lab File: VV019619.D
Acq: 14 Dec 2020 21:05

Tgt Ion: 73 Resp: 704502
Ion Ratio Lower Upper
73 100
43 21.4 17.3 25.9
57 22.1 17.5 26.3



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

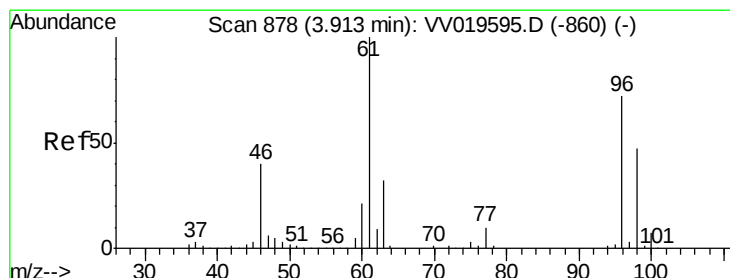
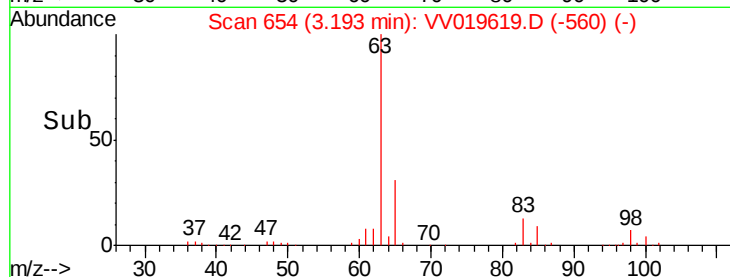
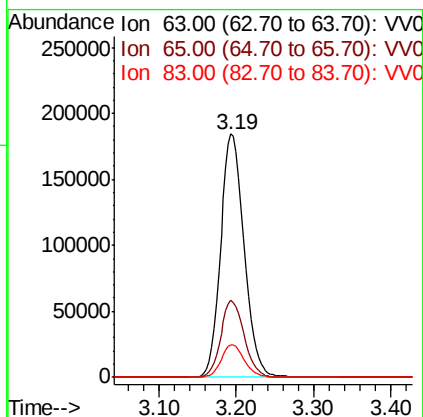
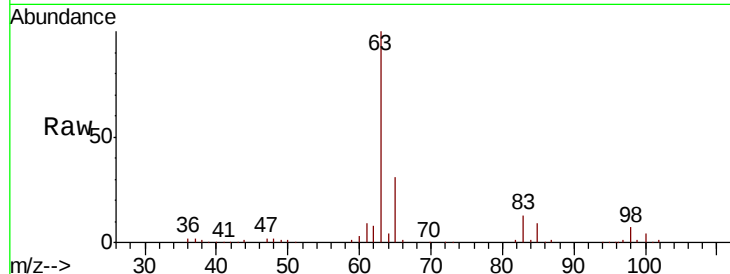




#19
 1,1-Dichloroethane
 Concen: 48.580 ug/L
 RT: 3.19 min Scan# 654
 Delta R.T. 0.00 min
 Lab File: VV019619.D
 Acq: 14 Dec 2020 21:05

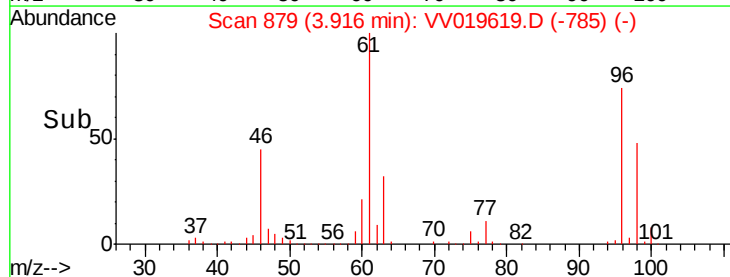
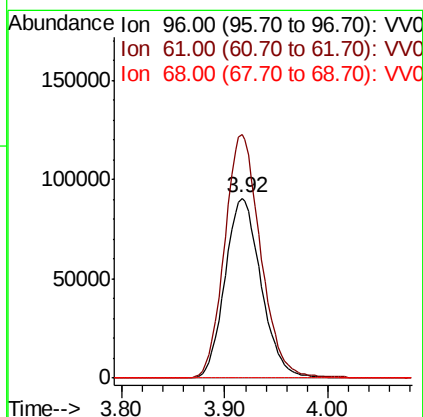
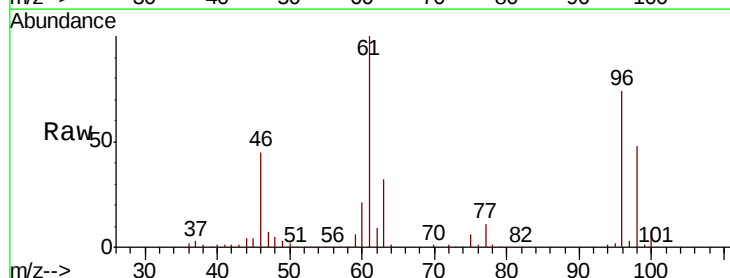
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05088

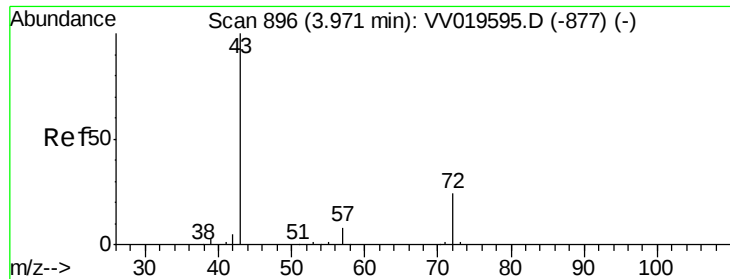
Tot Ion: 63 Resp: 390497
 Ion Ratio Lower Upper
 63 100
 65 31.5 22.4 41.6
 83 13.4 9.6 17.8



#20
 cis-1,2-Dichloroethene
 Concen: 48.474 ug/L
 RT: 3.92 min Scan# 879
 Delta R.T. 0.00 min
 Lab File: VV019619.D
 Acq: 14 Dec 2020 21:05

Tgt Ion: 96 Resp: 220937
 Ion Ratio Lower Upper
 96 100
 61 135.1 94.1 174.8
 68 0.0 0.1 0.1#





#22

2-Butanone

Concen: 113.242 ug/L

RT: 3.98 min Scan# 898

Delta R.T. 0.01 min

Lab File: VV019619.D

Acq: 14 Dec 2020 21:05

Instrument :

MSVOA_V

ClientSampleId :

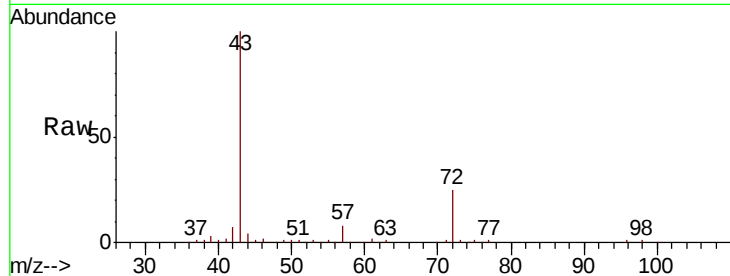
VSTD05088

Tot Ion: 43 Resp: 350213

Ion Ratio Lower Upper

43 100

72 23.5 12.3 36.9



Abundance Ion 43.00 (42.70 to 43.70): VV019595.D (-877) (-)

Ion 72.00 (71.70 to 72.70): VV019595.D (-877) (-)

3.98

120000

100000

80000

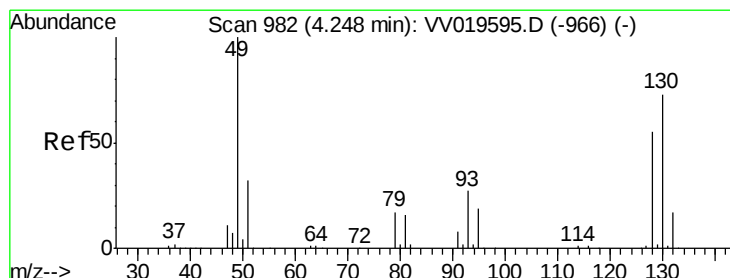
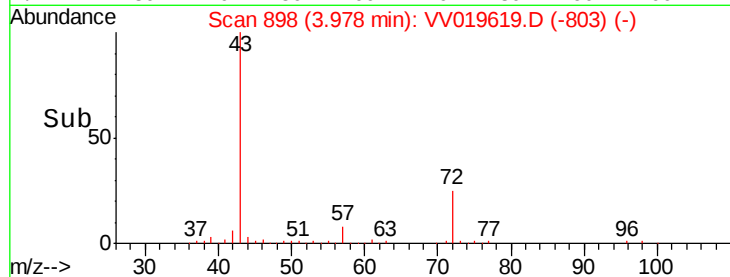
60000

40000

20000

0

Time-->



#23

Bromochloromethane

Concen: 48.617 ug/L

RT: 4.25 min Scan# 984

Delta R.T. 0.01 min

Lab File: VV019619.D

Acq: 14 Dec 2020 21:05

Tgt Ion: 128 Resp: 109027

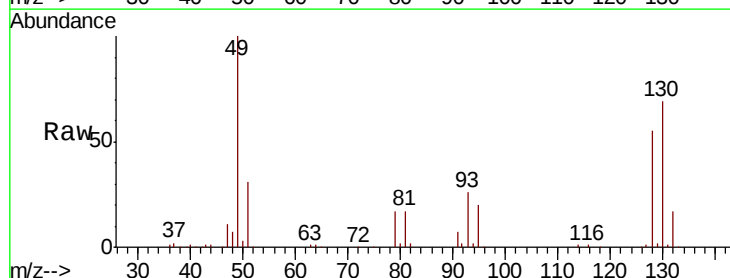
Ion Ratio Lower Upper

128 100

49 181.0 127.0 235.8

130 124.0 90.3 167.7

51 56.9 44.5 66.7



Abundance Ion 128.00 (127.70 to 128.70): VV019595.D (-966) (-)

Ion 49.00 (48.70 to 49.70): VV019595.D (-966) (-)

Ion 130.00 (129.70 to 130.70): VV019595.D (-966) (-)

Ion 51.00 (50.70 to 51.70): VV019595.D (-966) (-)

120000

100000

80000

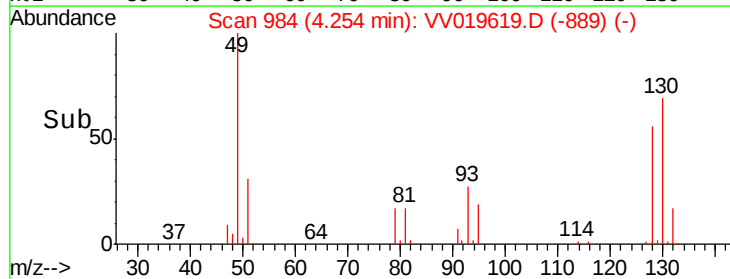
60000

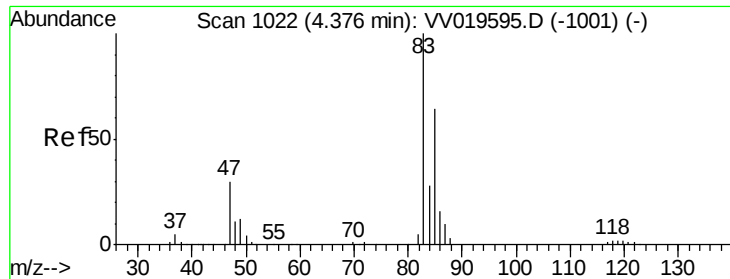
40000

20000

0

Time-->

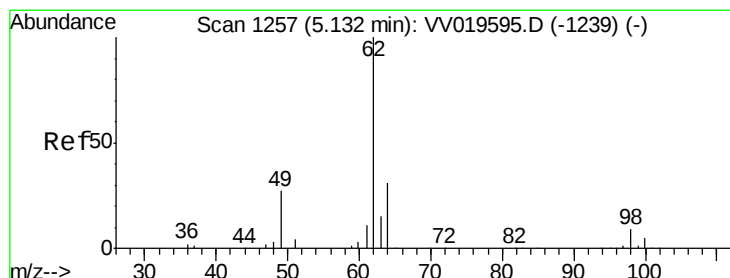
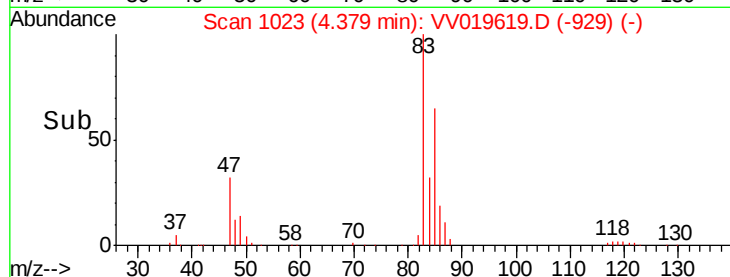
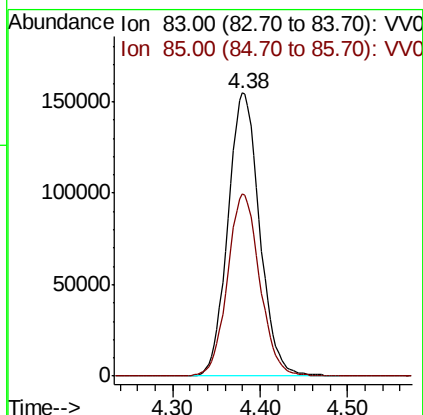
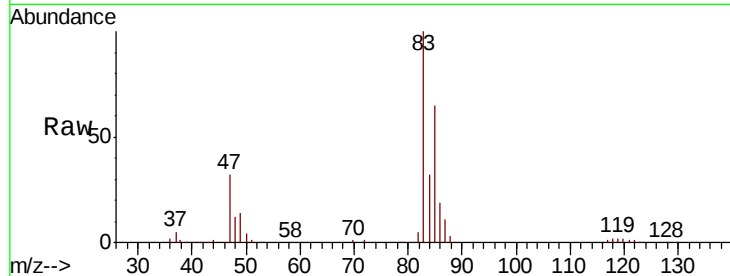




#25
Chloroform
Concen: 48.482 ug/L
RT: 4.38 min Scan# 1023
Delta R.T. 0.00 min
Lab File: VV019619.D
Acq: 14 Dec 2020 21:05

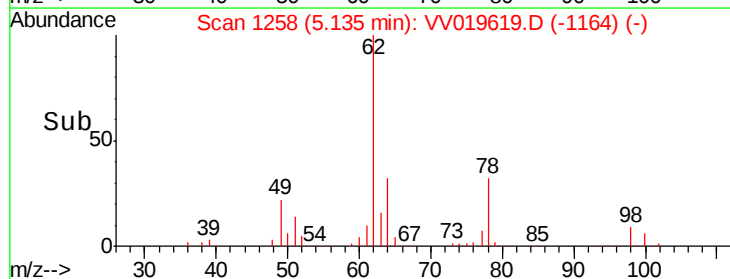
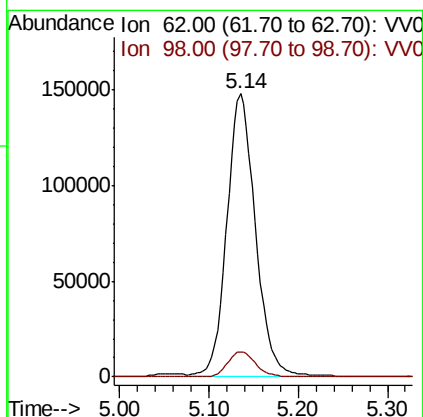
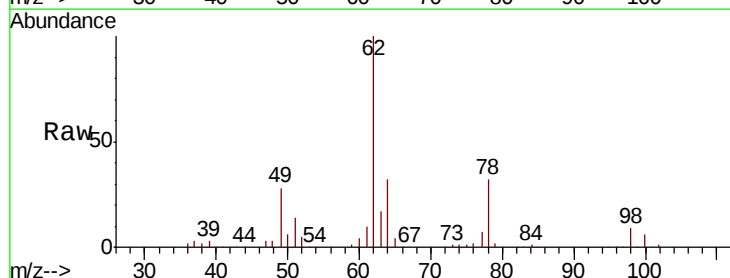
Instrument :
MSVOA_V
ClientSampleId :
VSTD05088

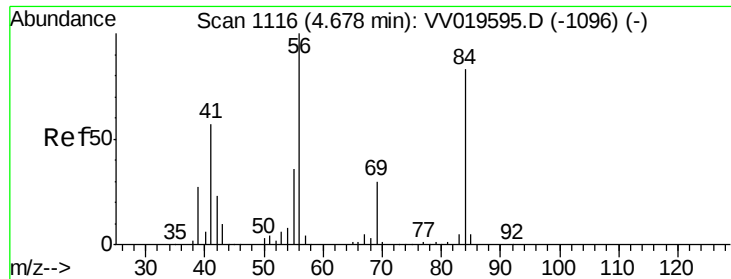
Tot Ion: 83 Resp: 389210
Ion Ratio Lower Upper
83 100
85 64.5 45.6 84.6



#27
1,2-Dichloroethane
Concen: 49.172 ug/L
RT: 5.14 min Scan# 1258
Delta R.T. 0.00 min
Lab File: VV019619.D
Acq: 14 Dec 2020 21:05

Tgt Ion: 62 Resp: 327030
Ion Ratio Lower Upper
62 100
98 8.9 7.4 11.0

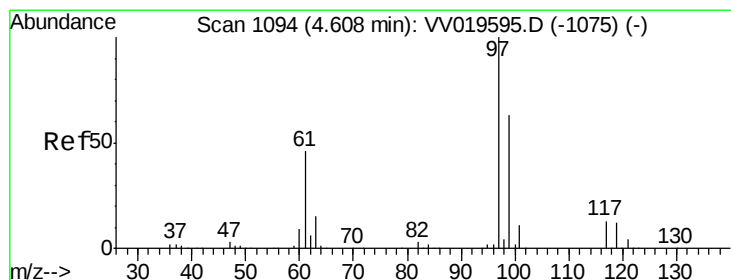
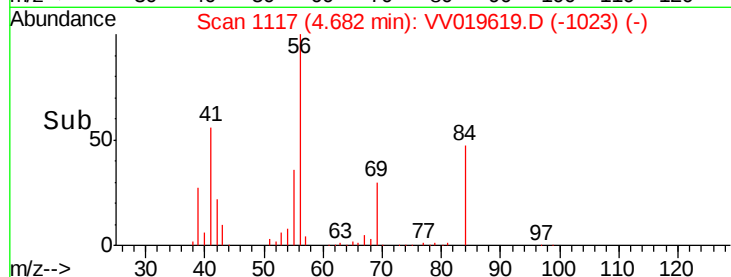
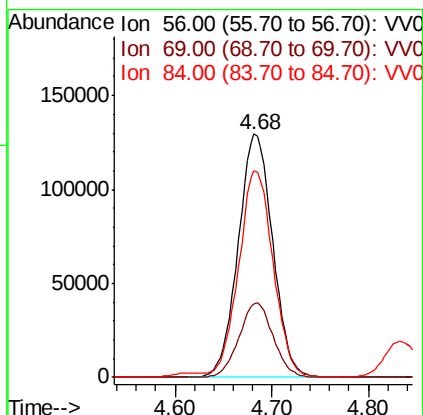
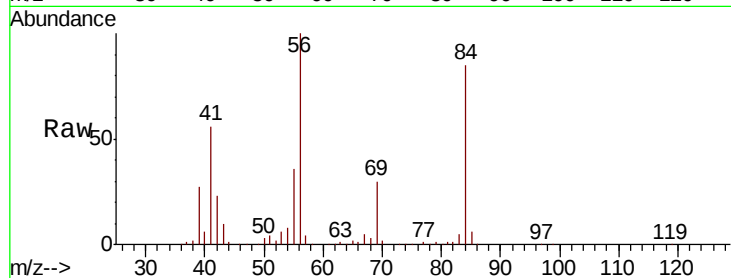




#29
Cyclohexane
Concen: 43.765 ug/L
RT: 4.68 min Scan# 1117
Delta R.T. 0.00 min
Lab File: VV019619.D
Acq: 14 Dec 2020 21:05

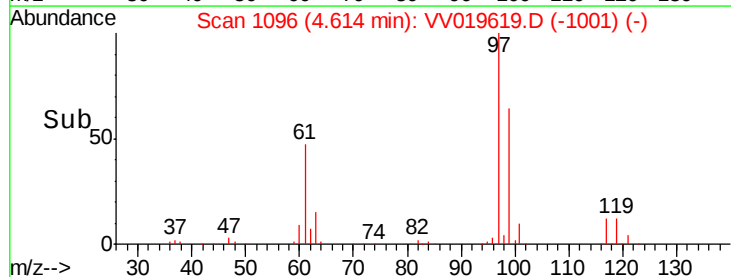
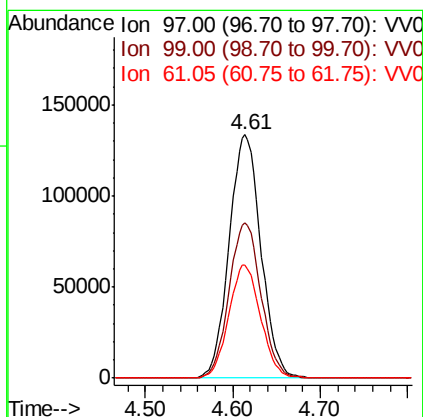
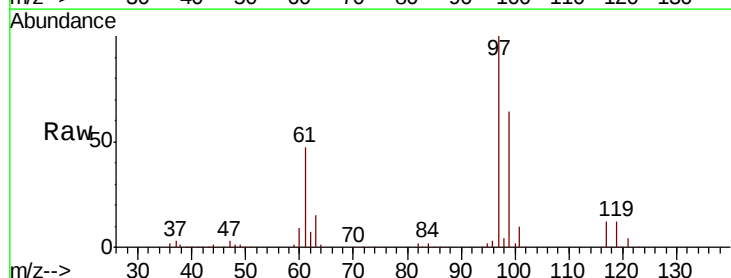
Instrument :
MSVOA_V
ClientSampleId :
VSTD05088

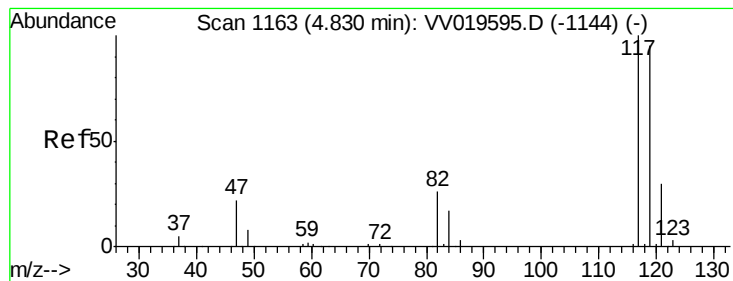
Tot Ion: 56 Resp: 320243
Ion Ratio Lower Upper
56 100
69 30.5 24.6 37.0
84 85.1 68.2 102.4



#30
1,1,1-Trichloroethane
Concen: 45.013 ug/L
RT: 4.61 min Scan# 1096
Delta R.T. 0.01 min
Lab File: VV019619.D
Acq: 14 Dec 2020 21:05

Tgt Ion: 97 Resp: 336978
Ion Ratio Lower Upper
97 100
99 64.0 51.3 76.9
61 46.4 36.3 54.5





#31

Carbon tetrachloride

Concen: 43.378 ug/L

RT: 4.83 min Scan# 1164

Delta R.T. 0.00 min

Lab File: VV019619.D

Acq: 14 Dec 2020 21:05

Instrument :

MSVOA_V

ClientSampleId :

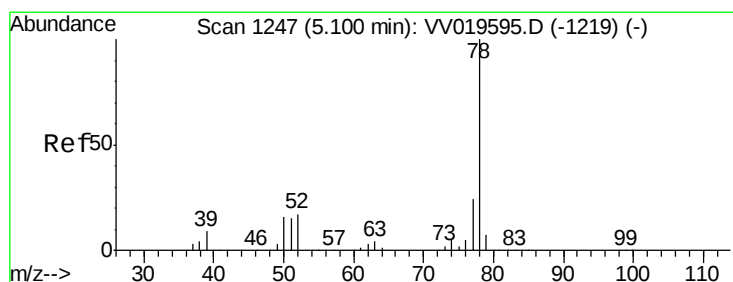
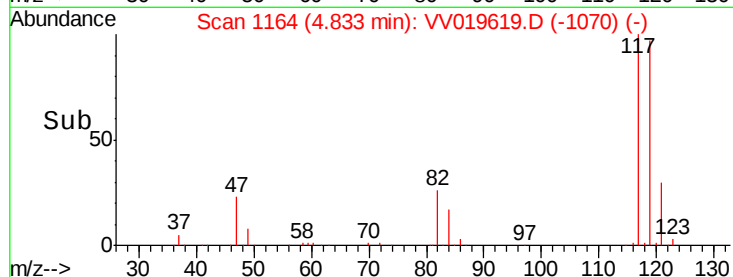
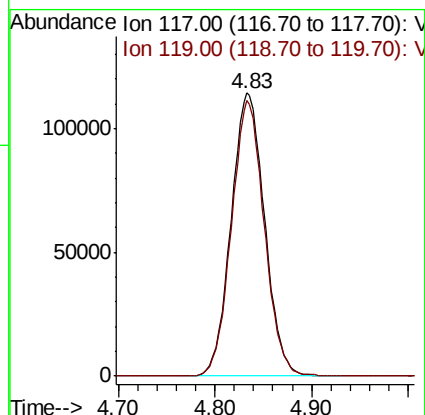
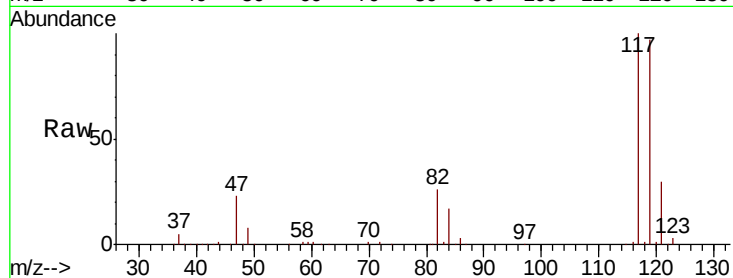
VSTD05088

Tot Ion:117 Resp: 274133

Ion Ratio Lower Upper

117 100

119 95.5 75.7 113.5



#33

Benzene

Concen: 47.317 ug/L

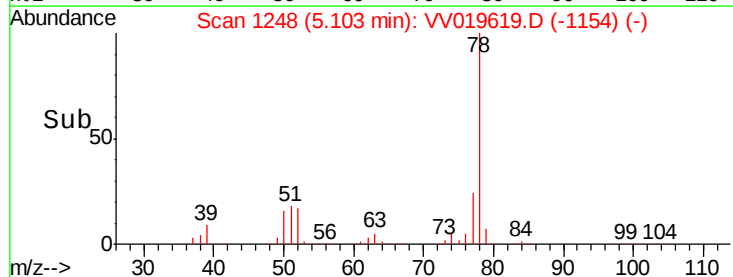
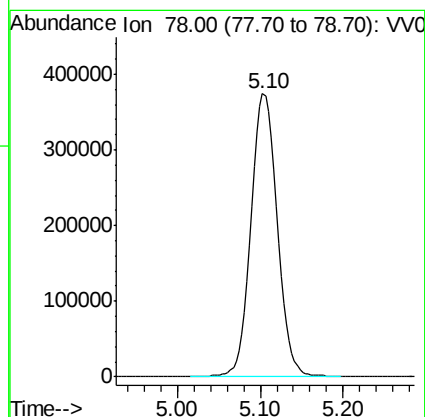
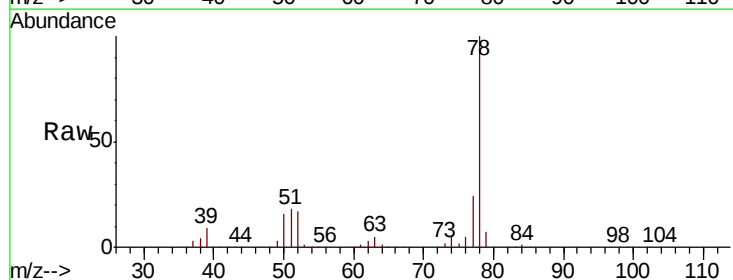
RT: 5.10 min Scan# 1248

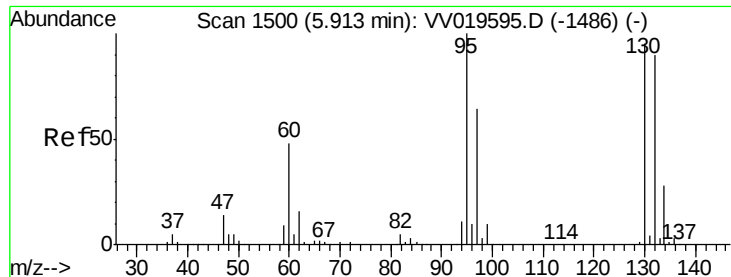
Delta R.T. 0.00 min

Lab File: VV019619.D

Acq: 14 Dec 2020 21:05

Tgt Ion: 78 Resp: 825626

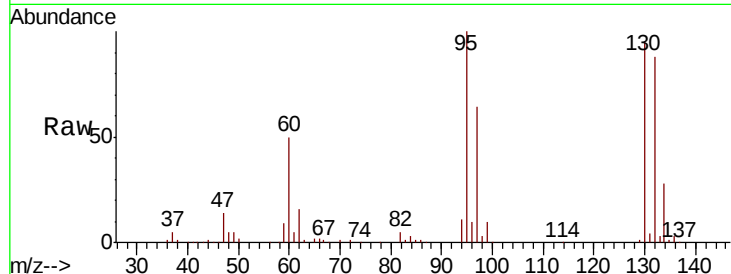




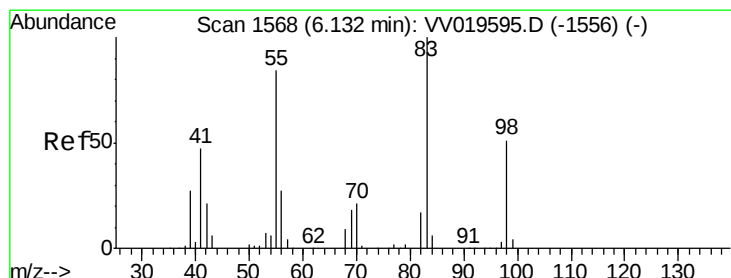
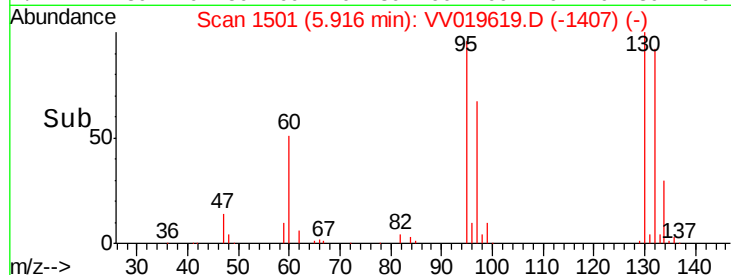
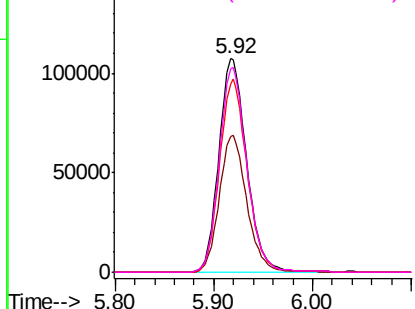
#34
 Trichloroethene
 Concen: 45.958 ug/L
 RT: 5.92 min Scan# 1501
 Delta R.T. 0.00 min
 Lab File: VV019619.D
 Acq: 14 Dec 2020 21:05

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05088

Tot Ion: 95 Resp: 211838
 Ion Ratio Lower Upper
 95 100
 97 63.8 44.4 82.4
 132 88.1 64.3 119.3
 130 95.3 67.8 125.8

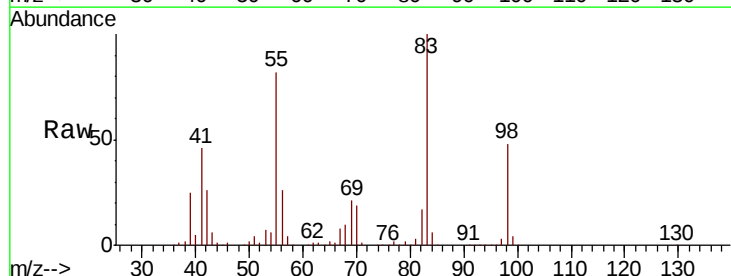


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 97.00 (96.70 to 97.70): VV0
 Ion 132.00 (131.70 to 132.70): VV0
 Ion 130.00 (129.70 to 130.70): VV0

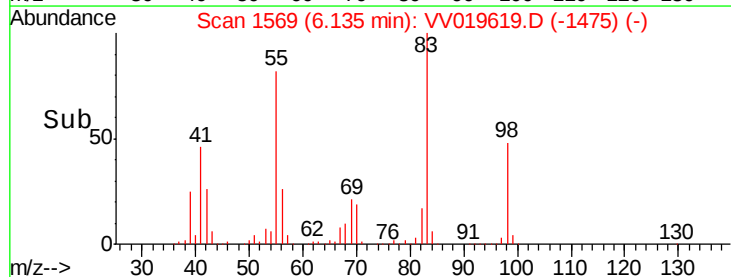
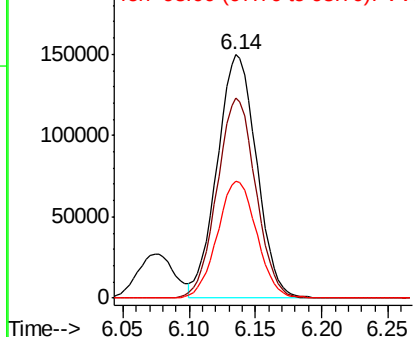


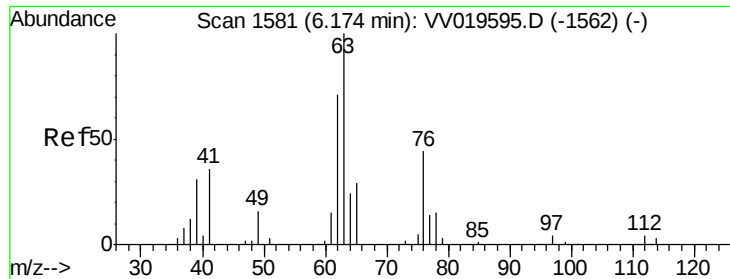
#35
 Methylcyclohexane
 Concen: 43.988 ug/L
 RT: 6.14 min Scan# 1569
 Delta R.T. 0.00 min
 Lab File: VV019619.D
 Acq: 14 Dec 2020 21:05

Tgt Ion: 83 Resp: 308027
 Ion Ratio Lower Upper
 83 100
 55 81.0 64.2 96.4
 98 47.9 39.3 58.9



Abundance Ion 83.00 (82.70 to 83.70): VV0
 Ion 55.00 (54.70 to 55.70): VV0
 Ion 98.00 (97.70 to 98.70): VV0

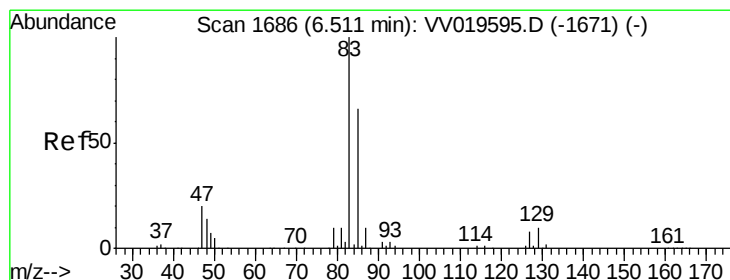
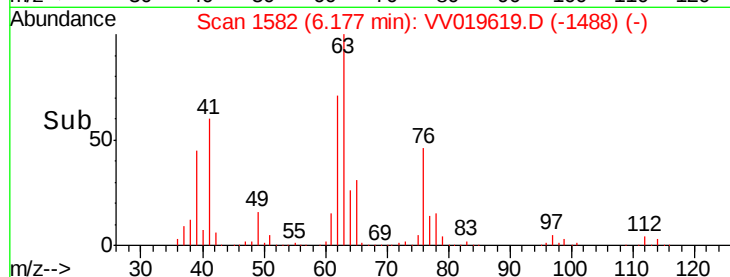
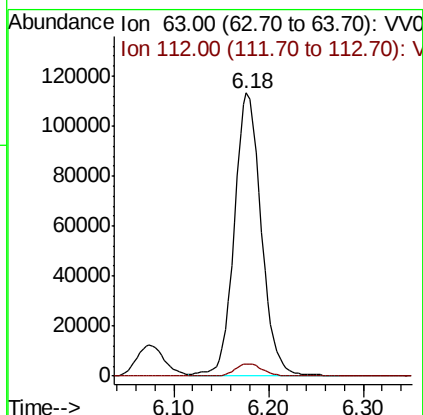
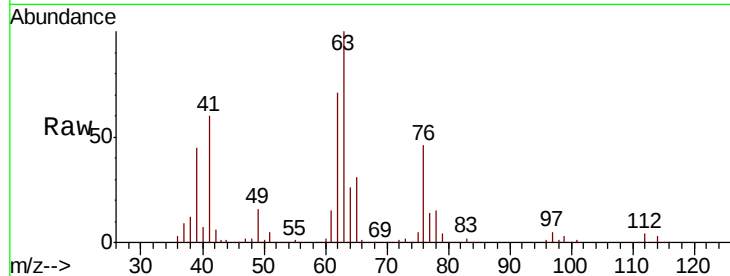




#37
 1,2-Dichloropropane
 Concen: 48.837 ug/L
 RT: 6.18 min Scan# 1582
 Delta R.T. 0.00 min
 Lab File: VV019619.D
 Acq: 14 Dec 2020 21:05

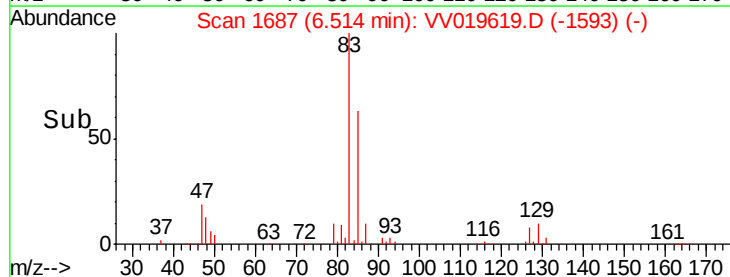
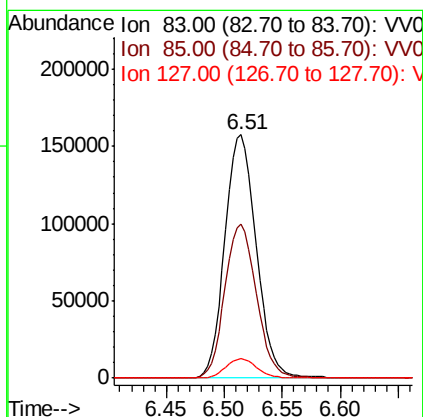
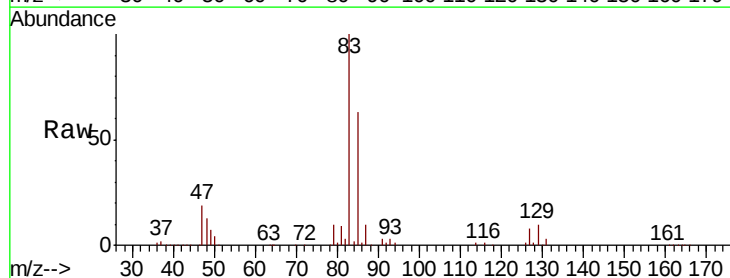
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05088

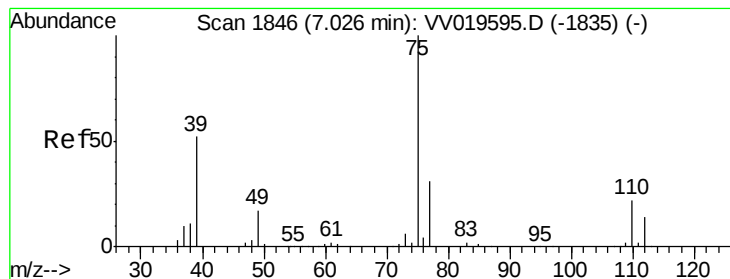
Tot Ion: 63 Resp: 222540
 Ion Ratio Lower Upper
 63 100
 112 4.4 3.5 5.3



#38
 Bromodichloromethane
 Concen: 46.408 ug/L
 RT: 6.51 min Scan# 1687
 Delta R.T. 0.00 min
 Lab File: VV019619.D
 Acq: 14 Dec 2020 21:05

Tgt Ion: 83 Resp: 295708
 Ion Ratio Lower Upper
 83 100
 85 63.1 44.9 83.5
 127 7.8 6.7 10.1



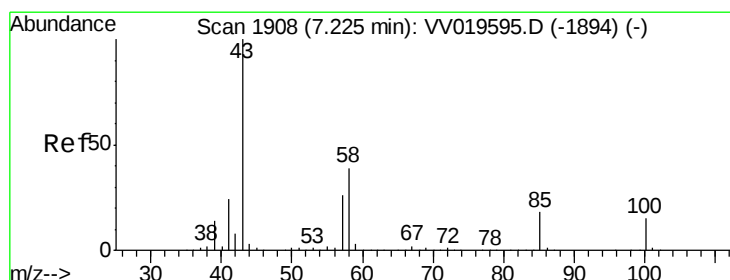
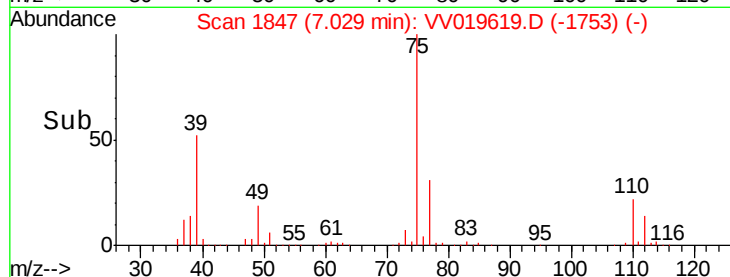
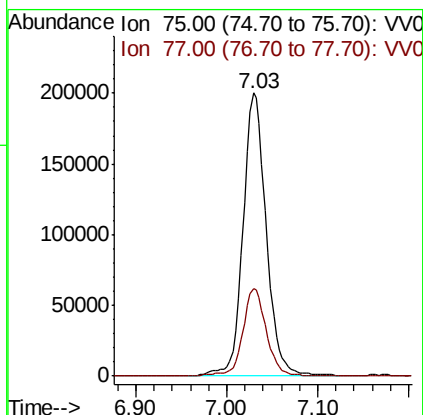
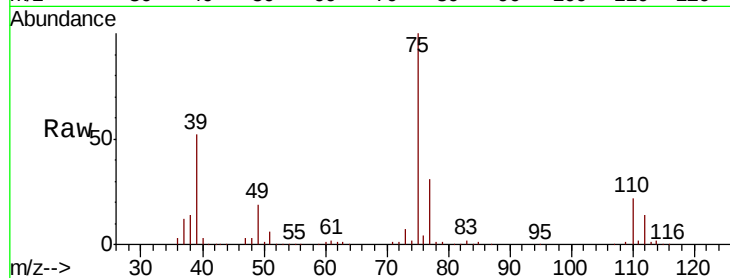


#39

cis-1,3-Dichloropropene
 Concen: 47.074 ug/L
 RT: 7.03 min Scan# 1847
 Delta R.T. 0.00 min
 Lab File: VV019619.D
 Acq: 14 Dec 2020 21:05

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05088

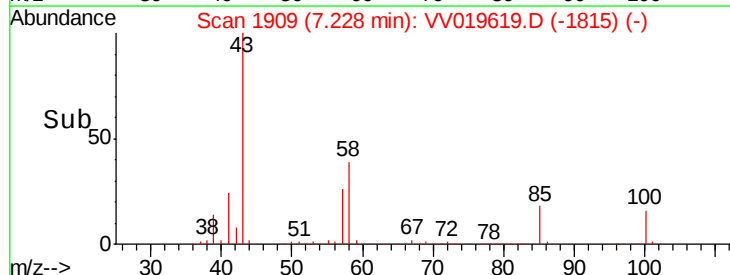
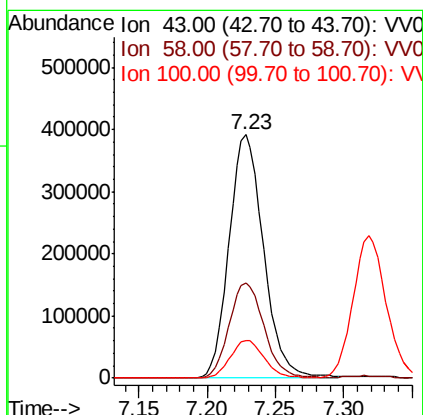
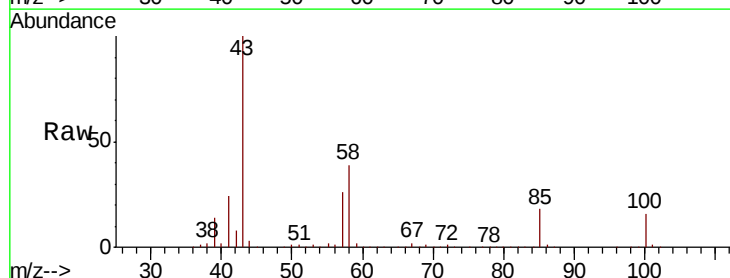
Tot Ion: 75 Resp: 356264
 Ion Ratio Lower Upper
 75 100
 77 31.1 22.4 41.6

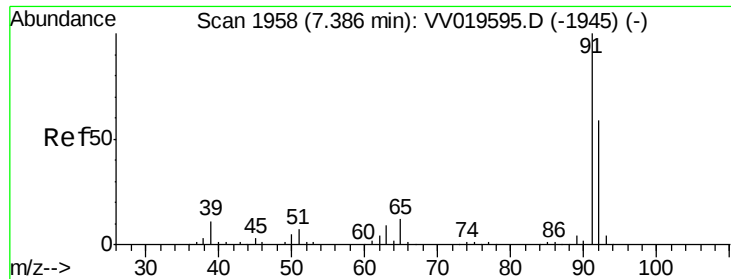


#40

4-Methyl-2-pentanone
 Concen: 104.577 ug/L
 RT: 7.23 min Scan# 1909
 Delta R.T. 0.00 min
 Lab File: VV019619.D
 Acq: 14 Dec 2020 21:05

Tgt Ion: 43 Resp: 687503
 Ion Ratio Lower Upper
 43 100
 58 39.6 31.7 47.5
 100 15.3 12.5 18.7





#42

Toluene

Concen: 46.016 ug/L

RT: 7.39 min Scan# 1959

Delta R.T. 0.00 min

Lab File: VV019619.D

Acq: 14 Dec 2020 21:05

Instrument :

MSVOA_V

ClientSampleId :

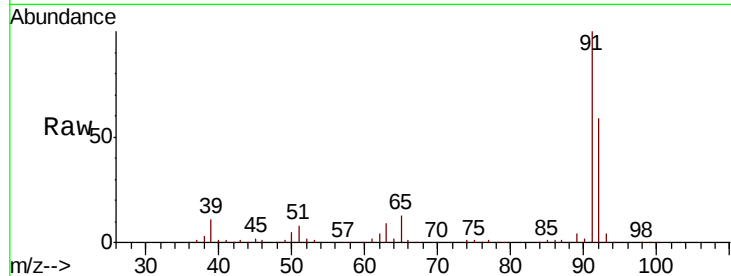
VSTD05088

Tot Ion: 91 Resp: 846262

Ion Ratio Lower Upper

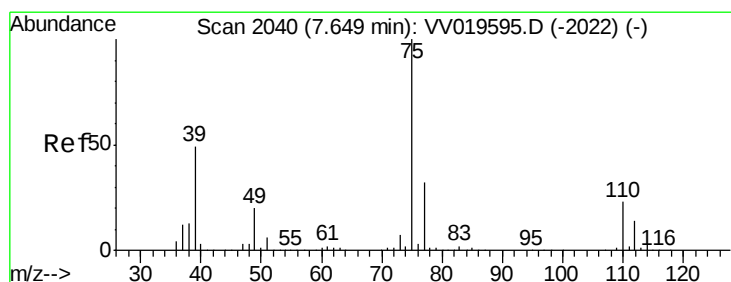
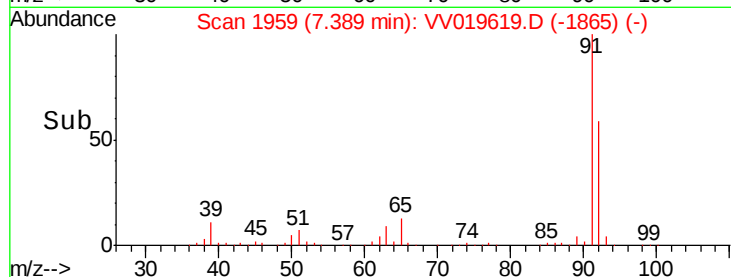
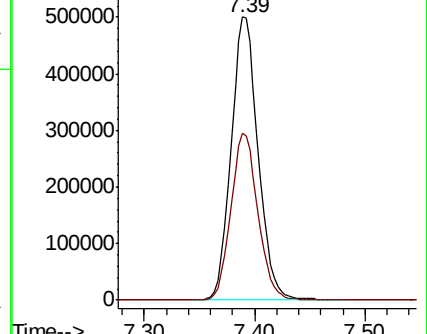
91 100

92 58.9 41.4 76.8



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: 45.072 ug/L

RT: 7.65 min Scan# 2041

Delta R.T. 0.00 min

Lab File: VV019619.D

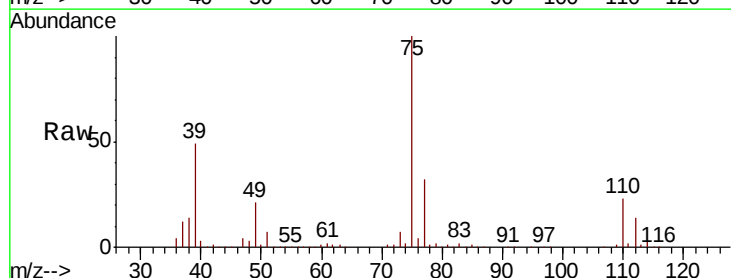
Acq: 14 Dec 2020 21:05

Tgt Ion: 75 Resp: 345397

Ion Ratio Lower Upper

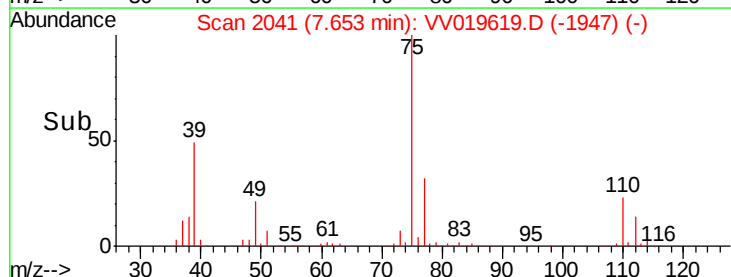
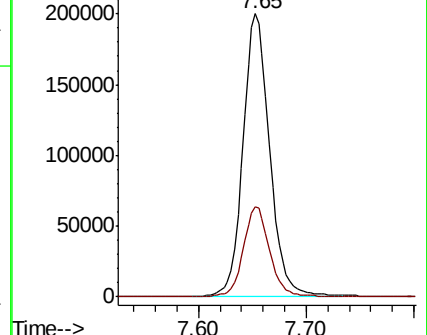
75 100

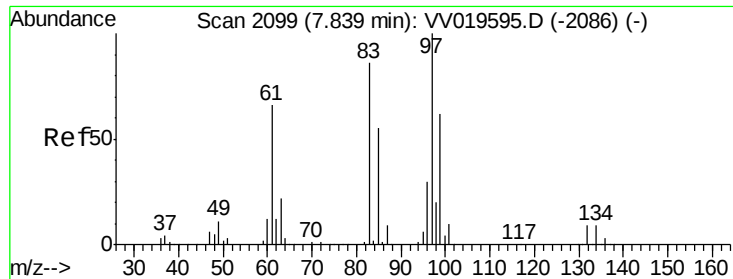
77 31.8 22.5 41.9



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

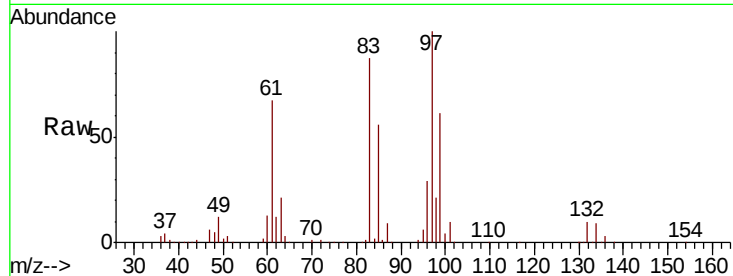




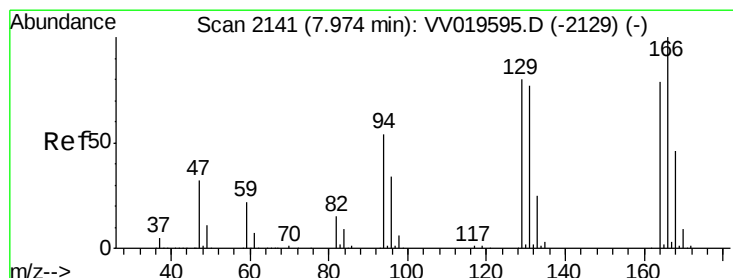
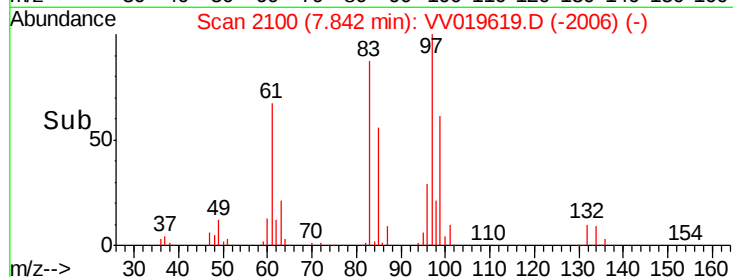
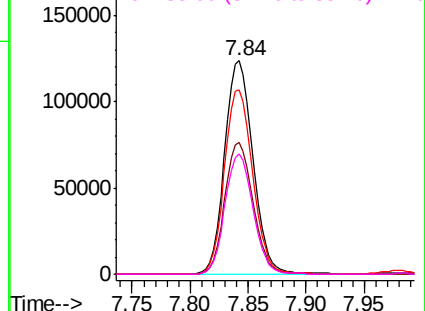
#45
1,1,2-Trichloroethane
Concen: 48.362 ug/L
RT: 7.84 min Scan# 2100
Delta R.T. 0.00 min
Lab File: VV019619.D
Acq: 14 Dec 2020 21:05

Instrument :
MSVOA_V
ClientSampleId :
VSTD05088

Tot Ion:	97	Resp:	209274
Ion	Ratio	Lower	Upper
97	100		
99	61.5	44.1	81.9
83	86.5	60.0	111.4
85	56.1	38.6	71.8

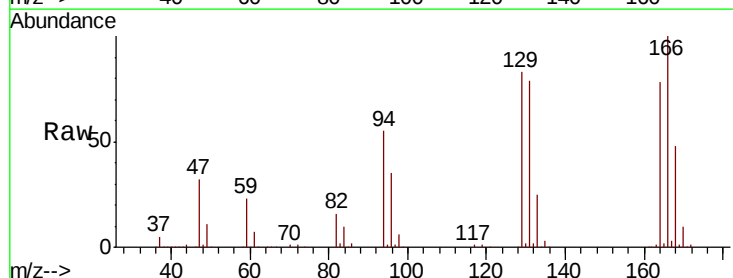


Abundance Ion 97.00 (96.70 to 97.70): VV0
Ion 99.00 (98.70 to 99.70): VV0
Ion 83.00 (82.70 to 83.70): VV0
Ion 85.00 (84.70 to 85.70): VV0

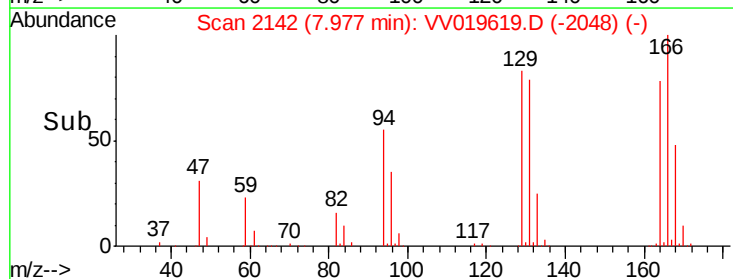
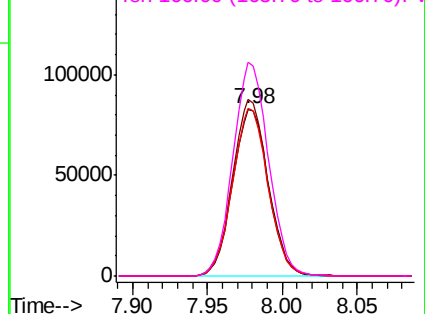


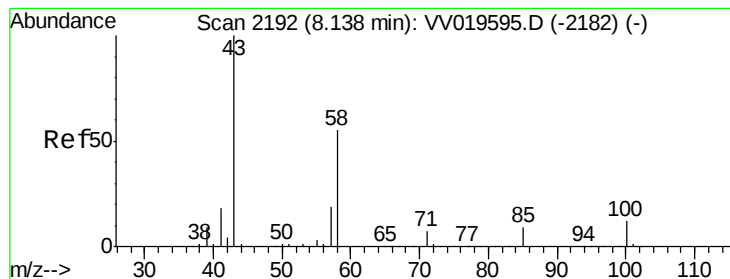
#46
Tetrachloroethene
Concen: 43.509 ug/L
RT: 7.98 min Scan# 2142
Delta R.T. 0.00 min
Lab File: VV019619.D
Acq: 14 Dec 2020 21:05

Tgt Ion:	164	Resp:	138770
Ion	Ratio	Lower	Upper
164	100		
129	106.1	70.6	131.0
131	101.1	68.0	126.4
166	128.3	86.9	161.5



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: 105.564 ug/L

RT: 8.14 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VV019619.D

Acq: 14 Dec 2020 21:05

Instrument :

MSVOA_V

ClientSampleId :

VSTD05088

Tot Ion: 43 Resp: 526586

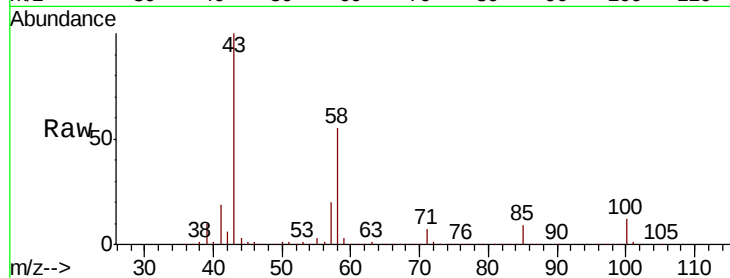
Ion Ratio Lower Upper

43 100

58 54.9 44.4 66.6

57 18.8 15.7 23.5

100 12.6 9.9 14.9

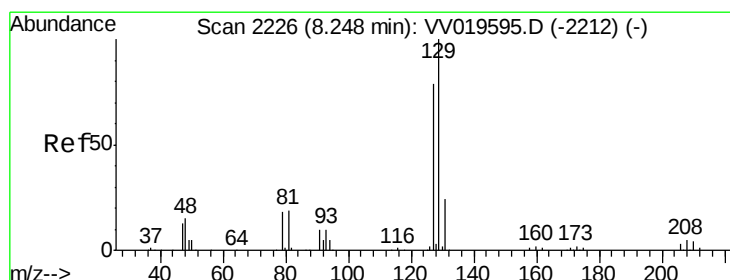
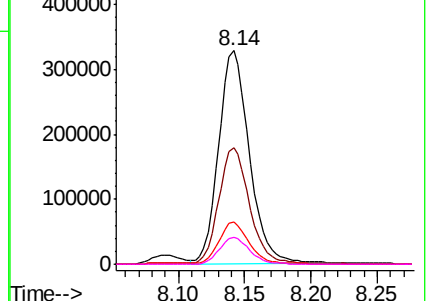
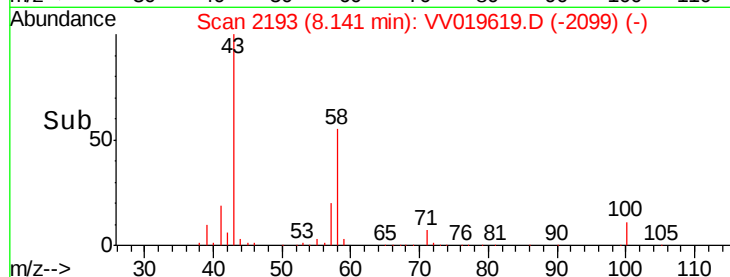


Abundance Ion 43.00 (42.70 to 43.70): VV019595.D (-2182) (-)

Ion 58.00 (57.70 to 58.70): VV019595.D (-2182) (-)

Ion 57.00 (56.70 to 57.70): VV019595.D (-2182) (-)

Ion 100.00 (99.70 to 100.70): VV019595.D (-2182) (-)



#49

Dibromochloromethane

Concen: 46.223 ug/L

RT: 8.25 min Scan# 2227

Delta R.T. 0.00 min

Lab File: VV019619.D

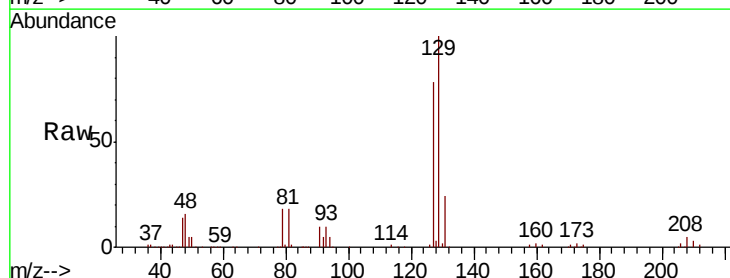
Acq: 14 Dec 2020 21:05

Tgt Ion: 129 Resp: 219045

Ion Ratio Lower Upper

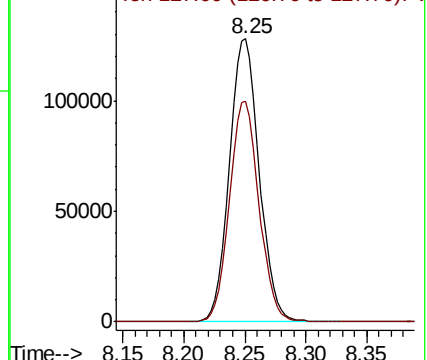
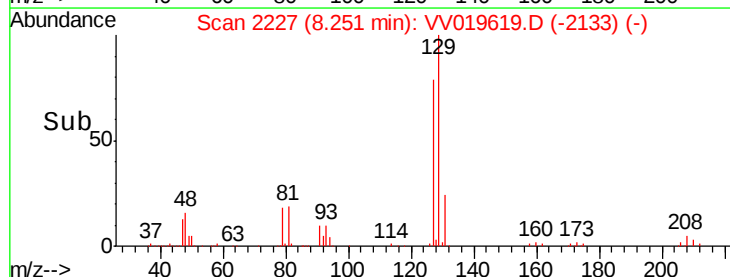
129 100

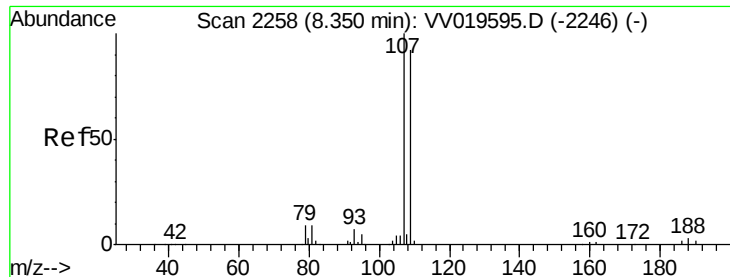
127 78.0 54.2 100.6



Abundance Ion 129.00 (128.70 to 129.70): VV019595.D (-2212) (-)

Ion 127.00 (126.70 to 127.70): VV019595.D (-2212) (-)

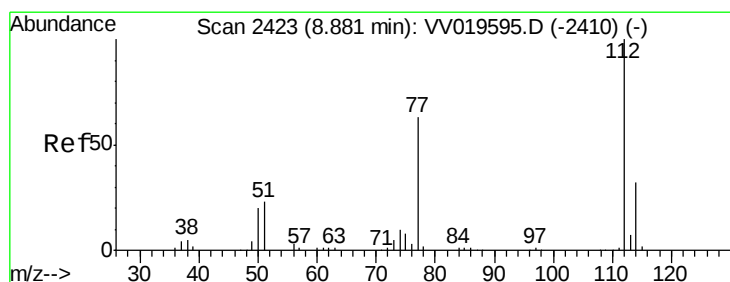
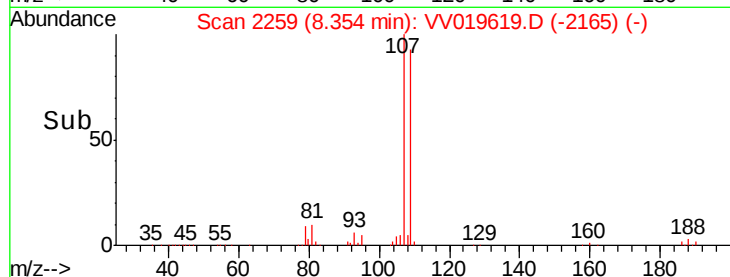
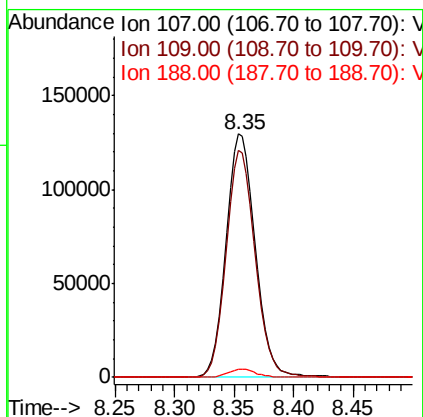
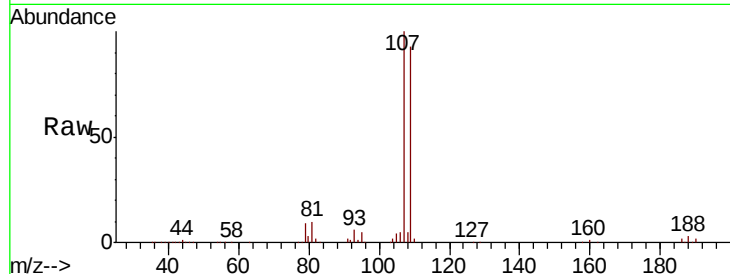




#50
1,2-Dibromoethane
Concen: 48.485 ug/L
RT: 8.35 min Scan# 2259
Delta R.T. 0.00 min
Lab File: VV019619.D
Acq: 14 Dec 2020 21:05

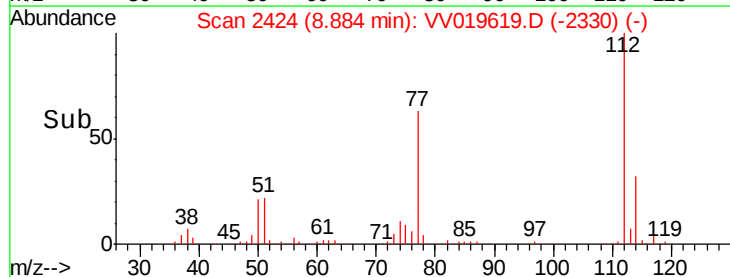
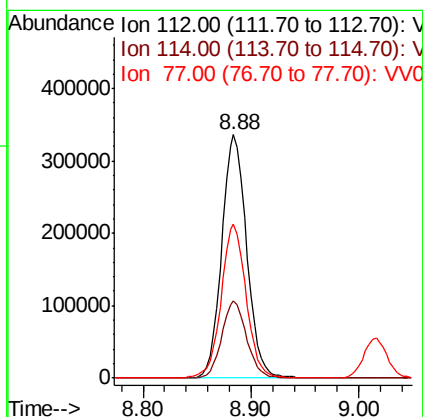
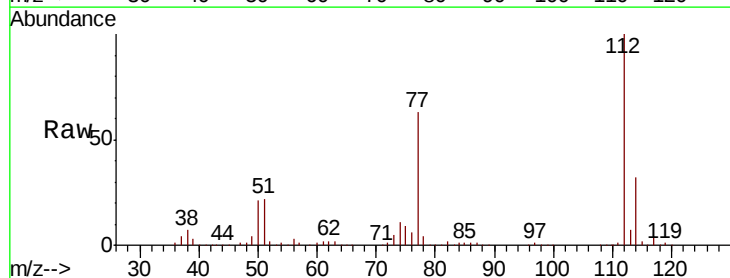
Instrument :
MSVOA_V
ClientSampleId :
VSTD05088

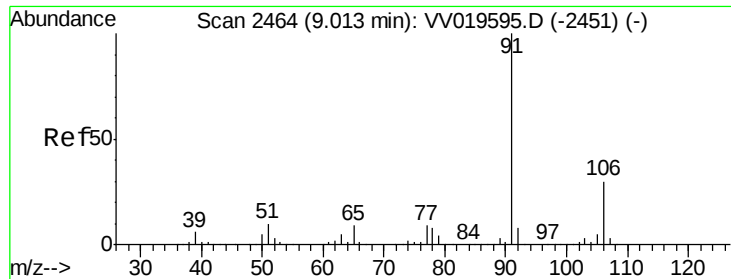
Tot Ion	Ratio	Lower	Upper
107	100		
109	93.2	66.4	123.2
188	3.4	2.9	4.3



#51
Chlorobenzene
Concen: 46.062 ug/L
RT: 8.88 min Scan# 2424
Delta R.T. 0.00 min
Lab File: VV019619.D
Acq: 14 Dec 2020 21:05

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.7	22.2	41.2
77	63.0	50.6	75.8

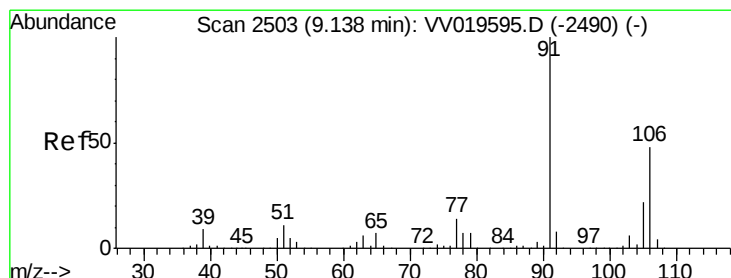
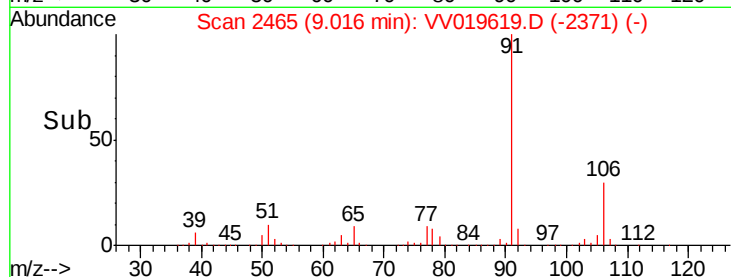
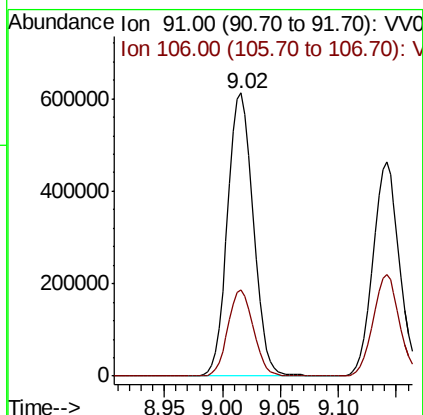
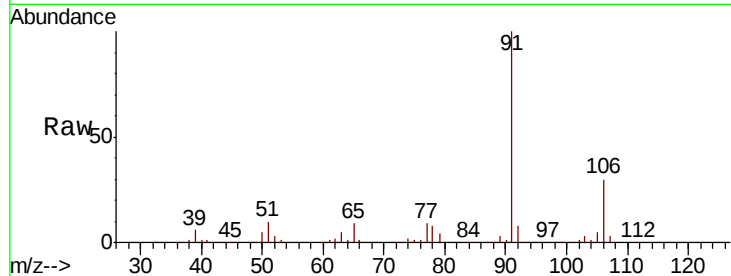




#52
Ethylbenzene
Concen: 45.085 ug/L
RT: 9.02 min Scan# 2465
Delta R.T. 0.00 min
Lab File: VV019619.D
Acq: 14 Dec 2020 21:05

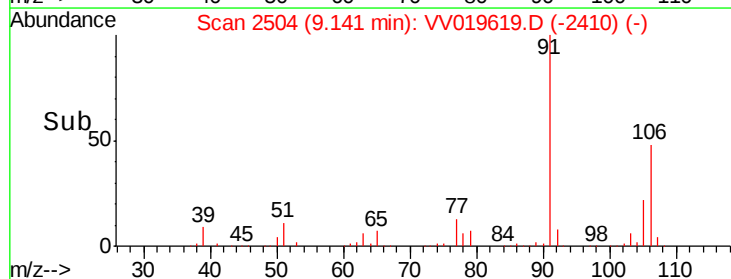
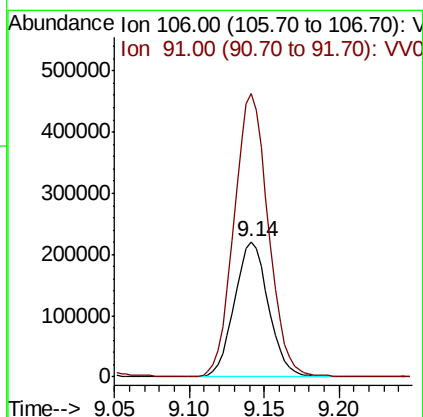
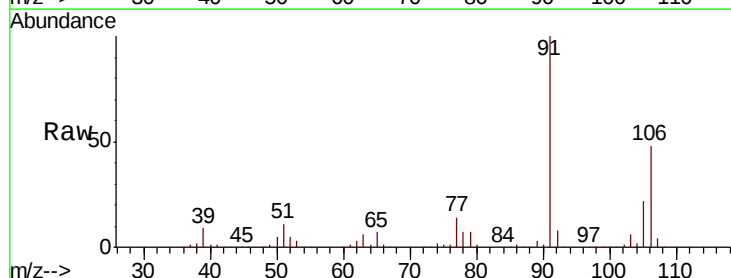
Instrument :
MSVOA_V
ClientSampleId :
VSTD05088

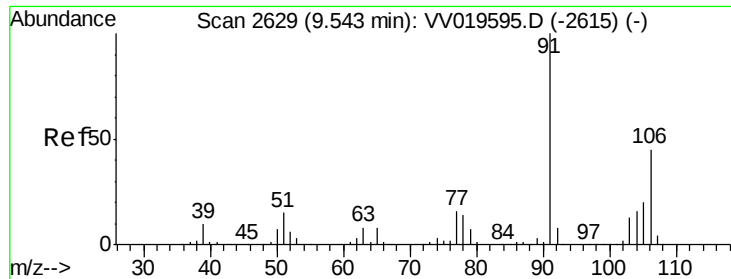
Tot Ion: 91 Resp: 944668
Ion Ratio Lower Upper
91 100
106 30.4 21.1 39.3



#53
m,p-Xylene
Concen: 44.538 ug/L
RT: 9.14 min Scan# 2504
Delta R.T. 0.00 min
Lab File: VV019619.D
Acq: 14 Dec 2020 21:05

Tgt Ion: 106 Resp: 348646
Ion Ratio Lower Upper
106 100
91 209.4 147.7 274.3





#54

o-xylene

Concen: 45.102 ug/L

RT: 9.55 min Scan# 2630

Delta R.T. 0.00 min

Lab File: VV019619.D

Acq: 14 Dec 2020 21:05

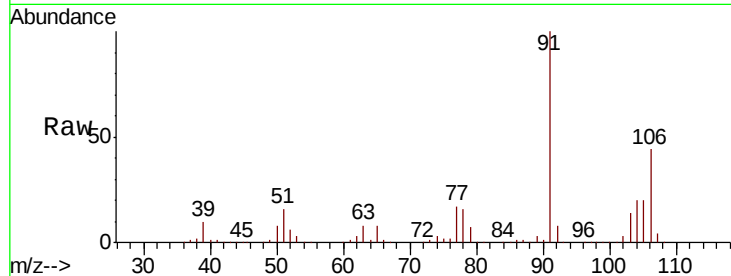
Instrument :
MSVOA_V
ClientSampleId :
VSTD05088

Tot Ion:106 Resp: 346060

Ion Ratio Lower Upper

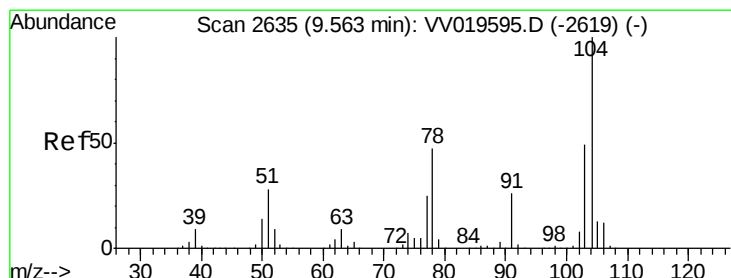
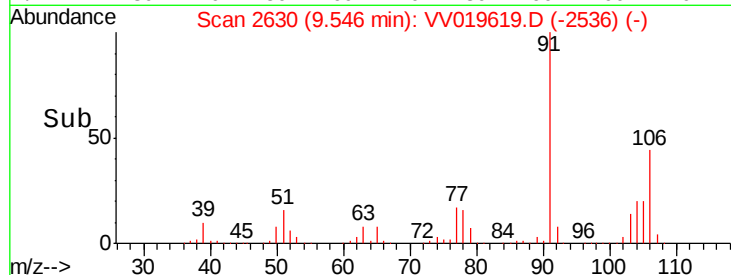
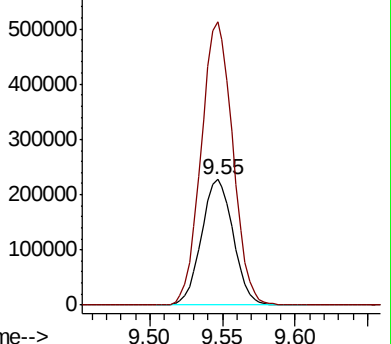
106 100

91 225.7 156.7 291.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 45.840 ug/L

RT: 9.56 min Scan# 2635

Delta R.T. 0.00 min

Lab File: VV019619.D

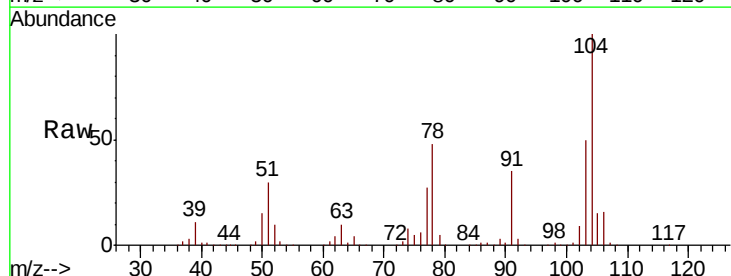
Acq: 14 Dec 2020 21:05

Tgt Ion:104 Resp: 613005

Ion Ratio Lower Upper

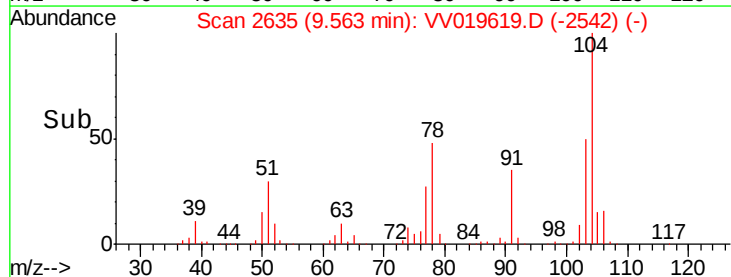
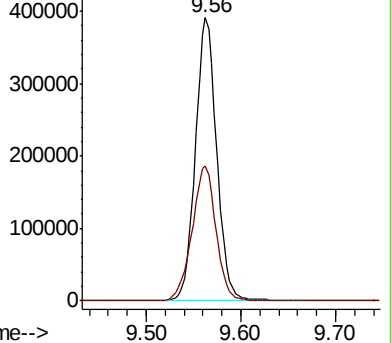
104 100

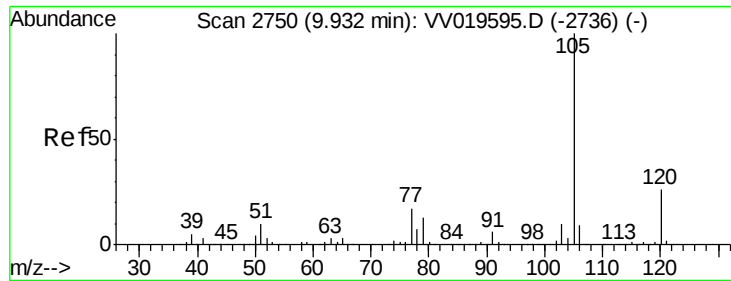
78 47.6 33.7 62.7



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 44.907 ug/L

RT: 9.94 min Scan# 2751

Delta R.T. 0.00 min

Lab File: VV019619.D

Acq: 14 Dec 2020 21:05

Instrument :

MSVOA_V

ClientSampleId :

VSTD05088

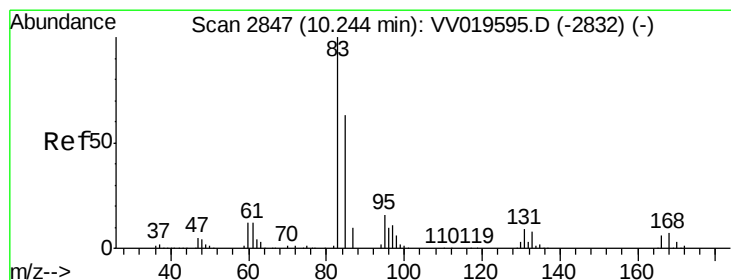
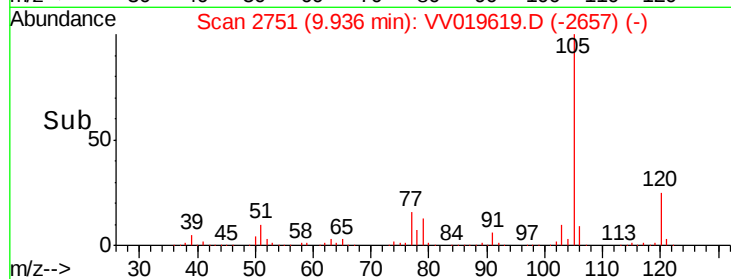
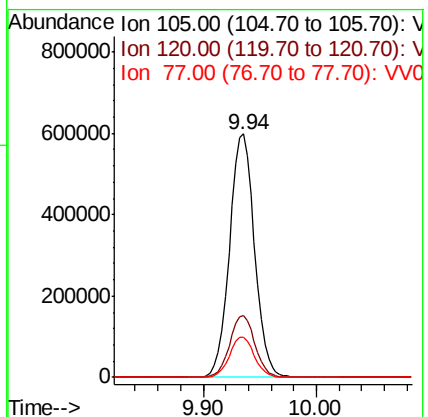
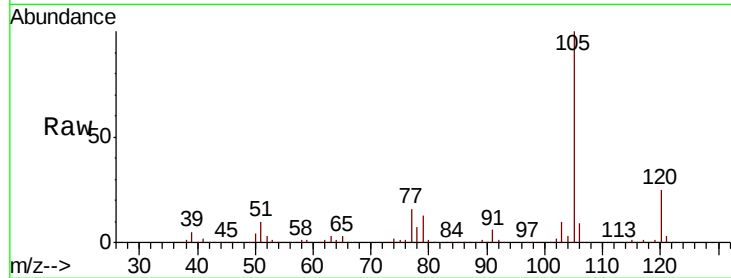
Tot Ion:105 Resp: 917948

Ion Ratio Lower Upper

105 100

120 25.6 20.6 31.0

77 16.5 13.2 19.8



#58

1,1,2,2-Tetrachloroethane

Concen: 49.964 ug/L

RT: 10.24 min Scan# 2847

Delta R.T. 0.00 min

Lab File: VV019619.D

Acq: 14 Dec 2020 21:05

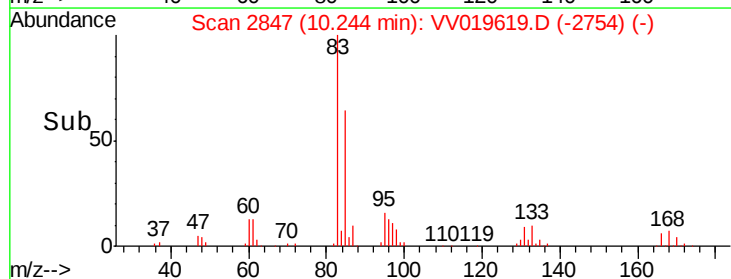
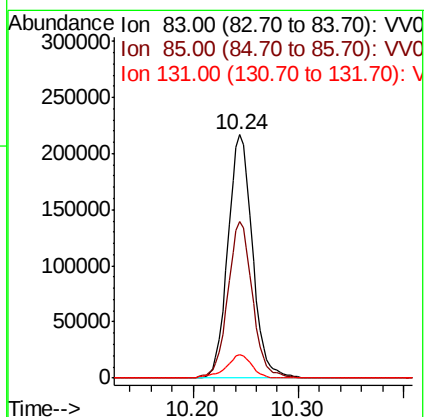
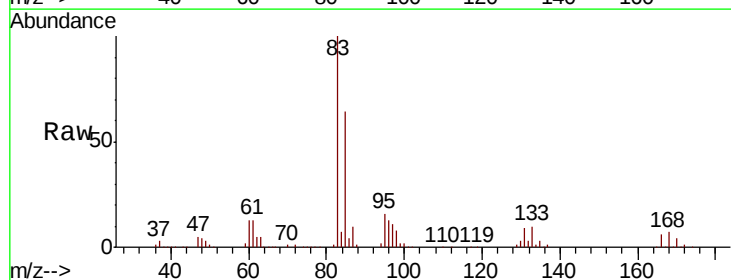
Tgt Ion: 83 Resp: 347689

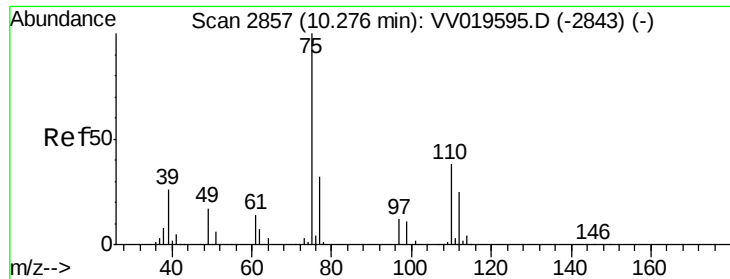
Ion Ratio Lower Upper

83 100

85 64.4 44.9 83.5

131 9.4 7.6 11.4





#59

1,2,3-Trichloropropane

Concen: 50.792 ug/L

RT: 10.28 min Scan# 2857

Delta R.T. 0.00 min

Lab File: VV019619.D

Acq: 14 Dec 2020 21:05

Instrument :

MSVOA_V

ClientSampleId :

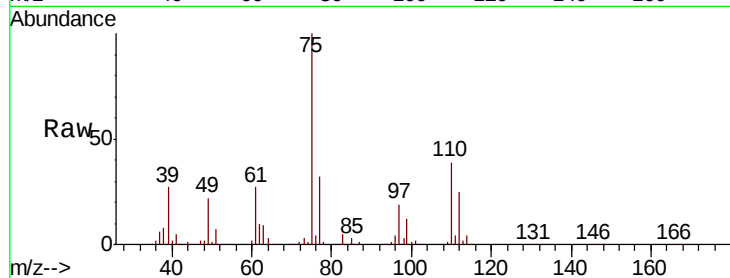
VSTD05088

Tot Ion: 75 Resp: 287885

Ion Ratio Lower Upper

75 100

77 32.1 25.8 38.8



Abundance Ion 75.00 (74.70 to 75.70): VV019595.D (-2843) (-)

Ion 77.00 (76.70 to 77.70): VV019595.D (-2843) (-)

10.28

200000

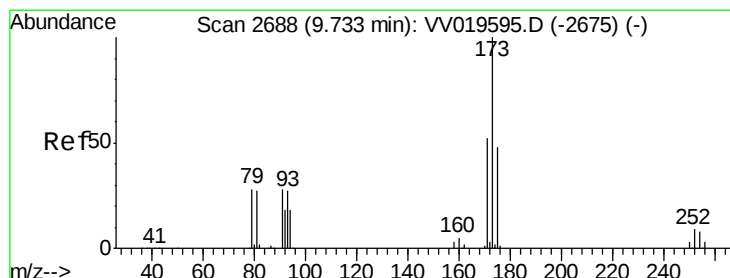
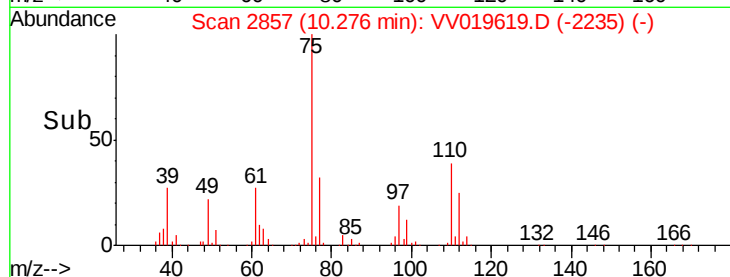
150000

100000

50000

0

Time--> 10.20 10.25 10.30 10.35



#61

Bromoform

Concen: 45.481 ug/L

RT: 9.73 min Scan# 2688

Delta R.T. 0.00 min

Lab File: VV019619.D

Acq: 14 Dec 2020 21:05

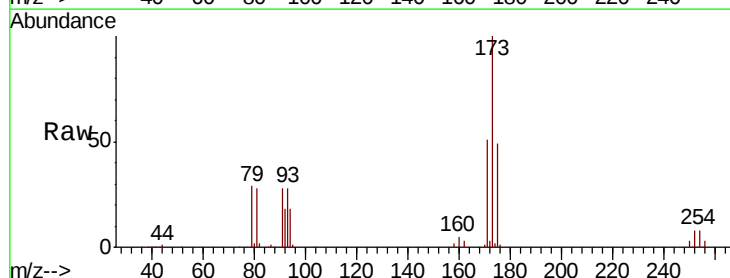
Tgt Ion: 173 Resp: 144144

Ion Ratio Lower Upper

173 100

175 48.3 38.4 57.6

254 7.8 6.6 10.0



Abundance Ion 173.00 (172.70 to 173.70): VV019595.D (-2675) (-)

Ion 175.00 (174.70 to 175.70): VV019595.D (-2675) (-)

Ion 254.00 (253.70 to 254.70): VV019595.D (-2675) (-)

9.73

120000

100000

80000

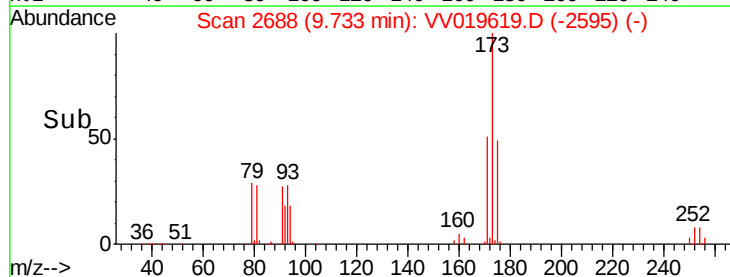
60000

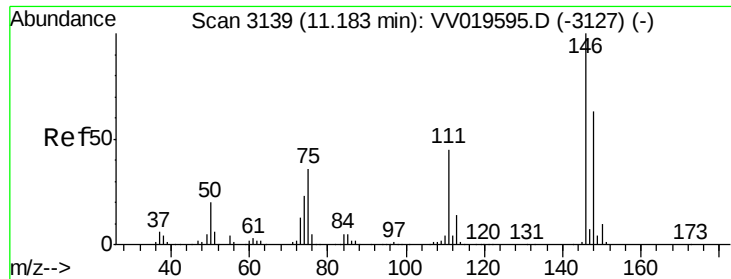
40000

20000

0

Time--> 9.65 9.70 9.75 9.80





#62

1,3-Dichlorobenzene

Concen: 45.466 ug/L

RT: 11.19 min Scan# 3140

Delta R.T. 0.00 min

Lab File: VV019619.D

Acq: 14 Dec 2020 21:05

Instrument :

MSVOA_V

ClientSampleId :

VSTD05088

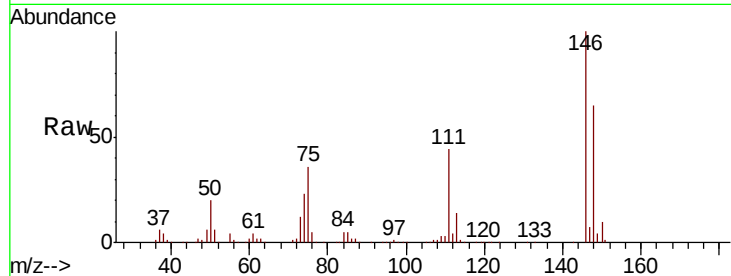
Tot Ion:146 Resp: 399557

Ion Ratio Lower Upper

146 100

111 44.1 30.7 57.1

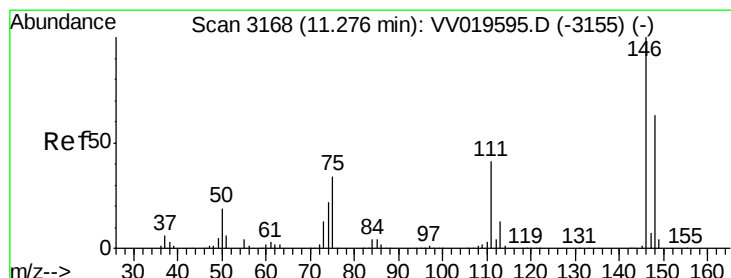
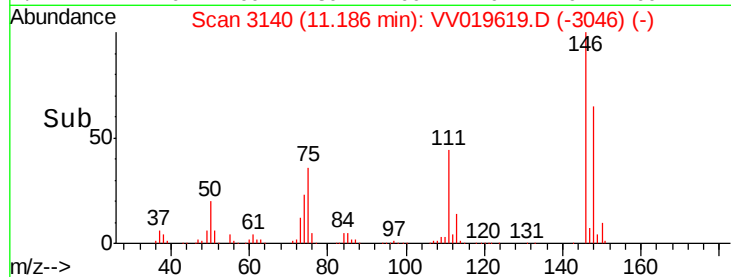
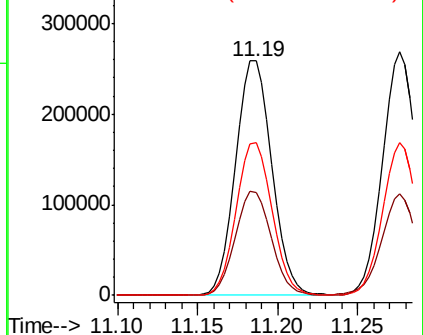
148 65.1 45.3 84.1



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 45.879 ug/L

RT: 11.28 min Scan# 3168

Delta R.T. 0.00 min

Lab File: VV019619.D

Acq: 14 Dec 2020 21:05

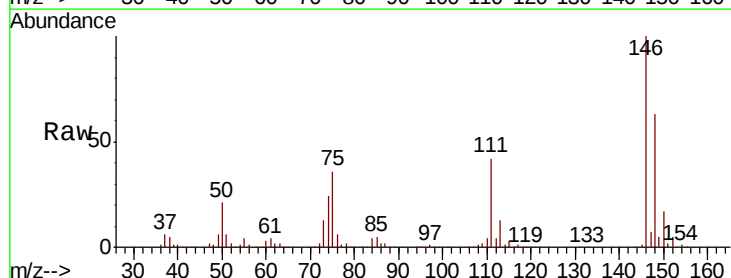
Tgt Ion:146 Resp: 408270

Ion Ratio Lower Upper

146 100

111 41.5 29.8 55.4

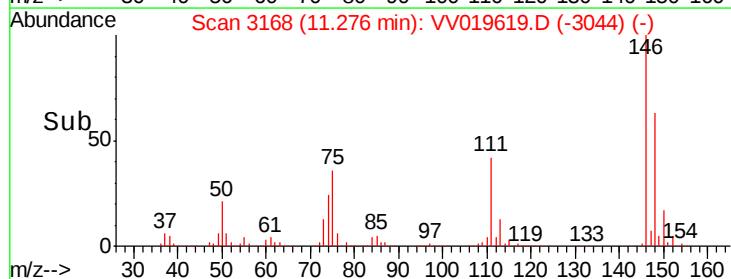
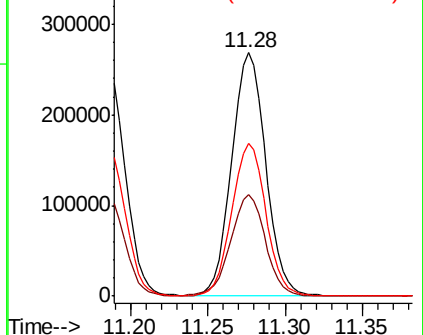
148 62.5 44.2 82.0

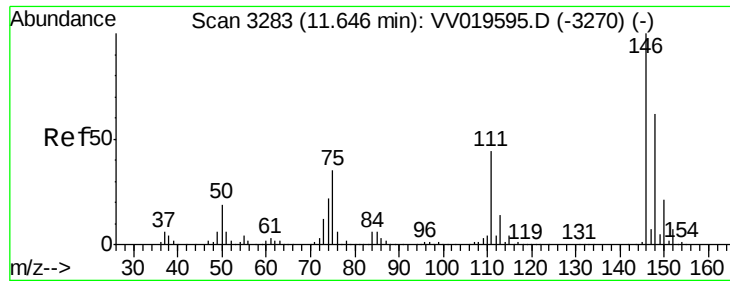


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 47.043 ug/L

RT: 11.65 min Scan# 3283

Delta R.T. 0.00 min

Lab File: VV019619.D

Acq: 14 Dec 2020 21:05

Instrument :

MSVOA_V

ClientSampleId :

VSTD05088

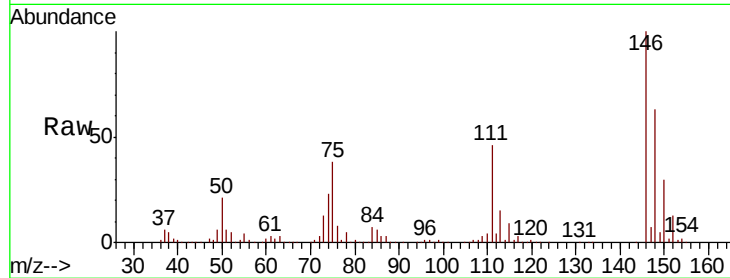
Tot Ion:146 Resp: 408505

Ion Ratio Lower Upper

146 100

111 45.7 36.6 55.0

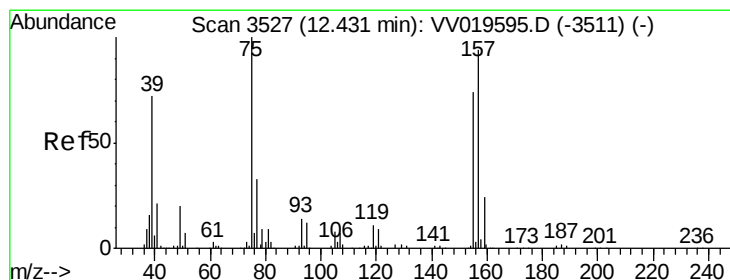
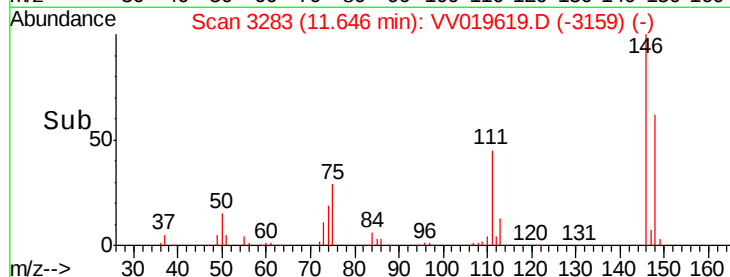
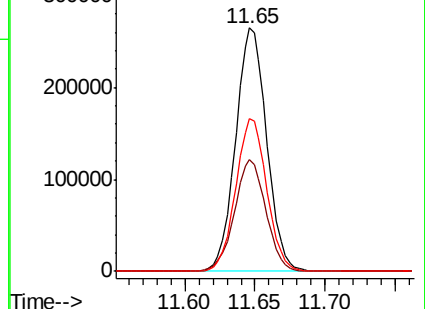
148 62.5 50.7 76.1



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 49.187 ug/L

RT: 12.43 min Scan# 3528

Delta R.T. 0.00 min

Lab File: VV019619.D

Acq: 14 Dec 2020 21:05

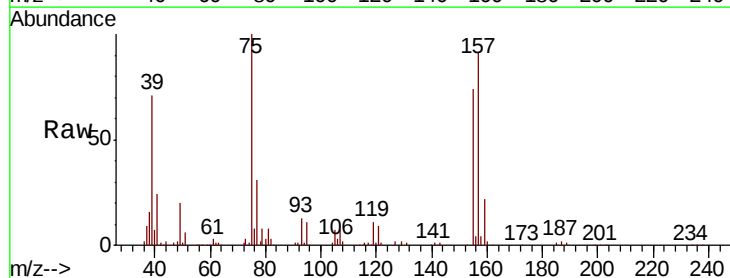
Tgt Ion: 75 Resp: 89158

Ion Ratio Lower Upper

75 100

155 73.6 61.1 91.7

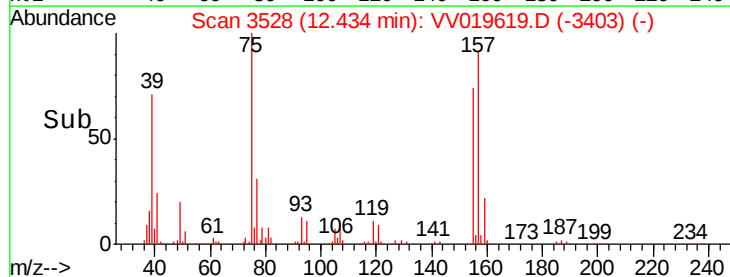
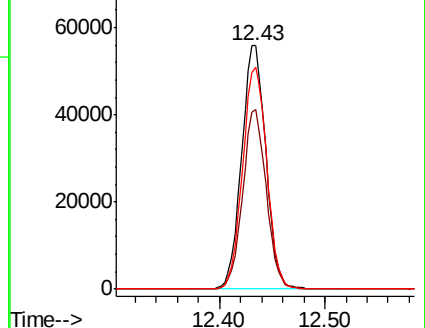
157 91.3 78.7 118.1

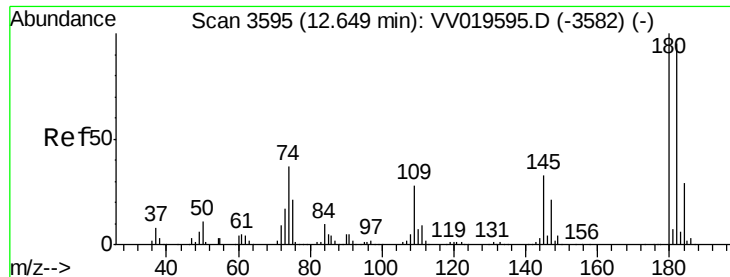


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

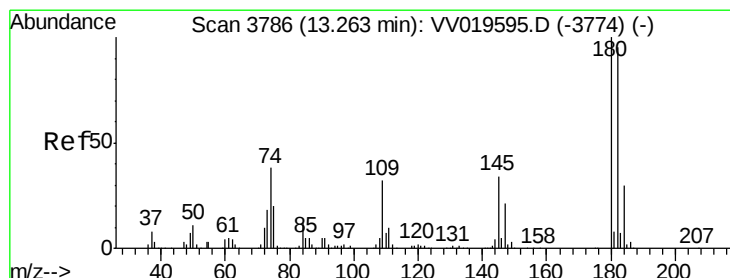
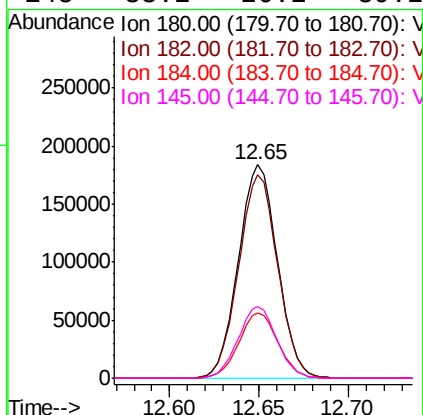
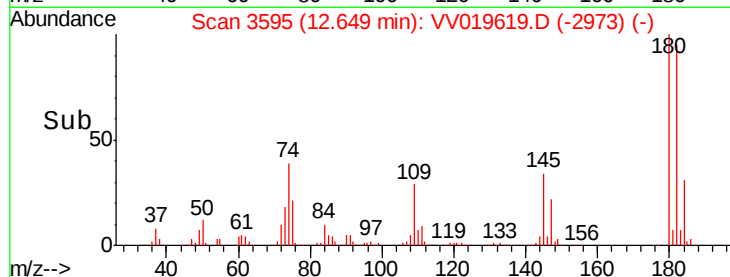
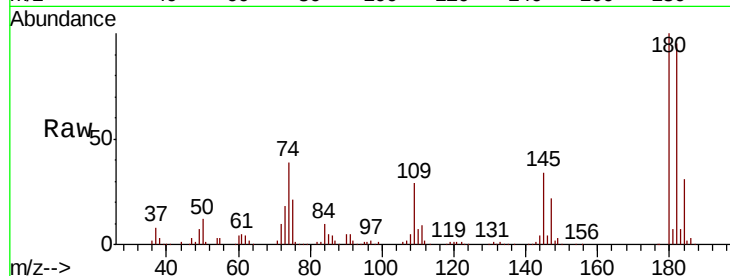




#67
 1,3,5-Trichlorobenzene
 Concen: 45.380 ug/L
 RT: 12.65 min Scan# 3595
 Delta R.T. 0.00 min
 Lab File: VV019619.D
 Acq: 14 Dec 2020 21:05

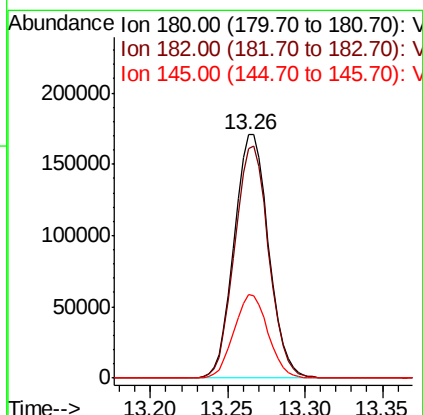
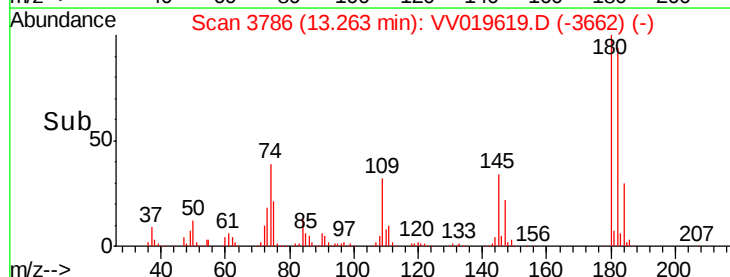
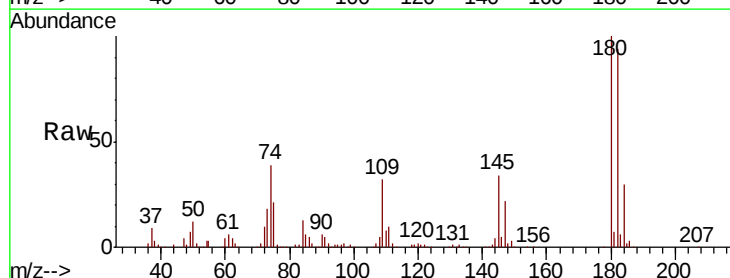
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05088

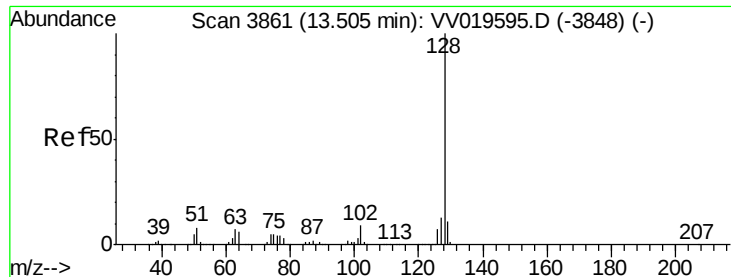
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.5	75.8	113.6
184	30.7	23.9	35.9
145	33.2	26.2	39.2



#68
 1,2,4-trichlorobenzene
 Concen: 45.580 ug/L
 RT: 13.26 min Scan# 3786
 Delta R.T. 0.00 min
 Lab File: VV019619.D
 Acq: 14 Dec 2020 21:05

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.4	76.5	114.7
145	33.8	27.0	40.6





#69

Naphthalene

Concen: 49.294 ug/L

RT: 13.50 min Scan# 3861

Delta R.T. 0.00 min

Lab File: VV019619.D

Acq: 14 Dec 2020 21:05

Instrument :

MSVOA_V

ClientSampleId :

VSTD05088

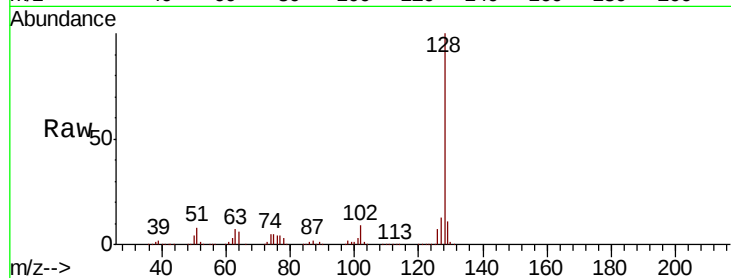
Tot Ion:128 Resp: 993674

Ion Ratio Lower Upper

128 100

127 12.7 10.3 15.5

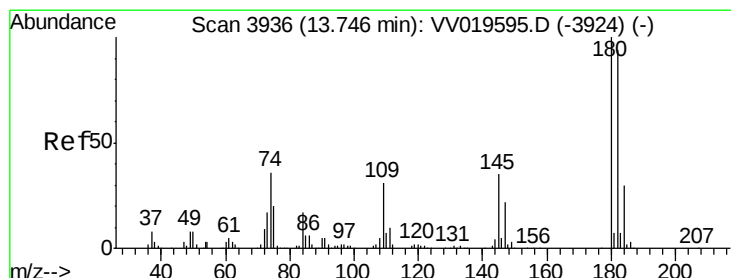
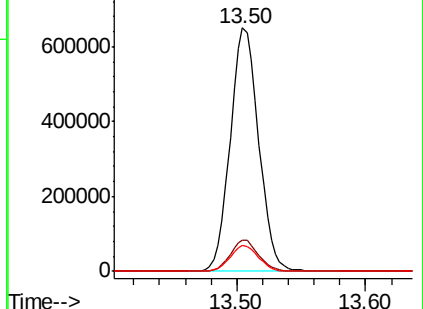
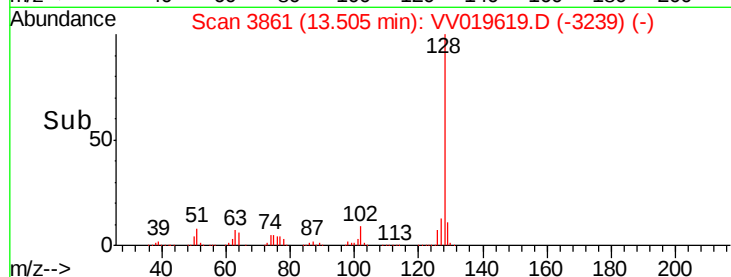
129 10.8 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 47.365 ug/L

RT: 13.75 min Scan# 3937

Delta R.T. 0.00 min

Lab File: VV019619.D

Acq: 14 Dec 2020 21:05

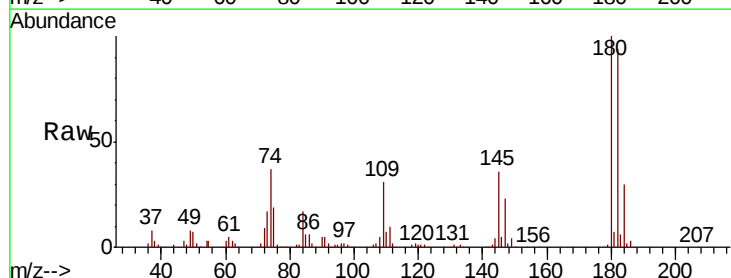
Tgt Ion:180 Resp: 268717

Ion Ratio Lower Upper

180 100

182 93.9 75.8 113.6

145 35.8 29.1 43.7



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

