

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV102620\
 Data File : VV019124.D
 Acq On : 26 Oct 2020 17:08
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05074

Quant Time: Oct 27 07:17:24 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM102220WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Oct 27 07:08:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	280337	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	282221	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	153709	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	86192	33.84	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	67.68%
7) Chloroethane-d5	1.58	69	73459	35.84	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	71.68%
11) 1,1-Dichloroethene-d2	2.12	63	185496	38.89	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	77.78%
21) 2-Butanone-d5	3.91	46	162432	94.84	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	94.84%
24) Chloroform-d	4.38	84	196870	44.20	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.40%
26) 1,2-Dichloroethane-d4	5.06	65	135898	45.38	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.76%
32) Benzene-d6	5.07	84	355672	41.20	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	82.40%
36) 1,2-Dichloropropane-d6	6.09	67	117874	42.15	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	84.30%
41) Toluene-d8	7.34	98	328912	42.61	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	85.22%
43) trans-1,3-Dichloropropene-	7.64	79	62225	43.42	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.84%
47) 2-Hexanone-d5	8.11	63	117499	96.64	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	96.64%
57) 1,1,2,2-Tetrachloroethane-	10.23	84	167392	44.98	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	89.96%
64) 1,2-Dichlorobenzene-d4	11.65	152	141479	43.88	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.76%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	100440	45.997	ug/L 99
3) Chloromethane	1.25	50	112927	41.584	ug/L 100
5) Vinyl chloride	1.32	62	113562	42.449	ug/L 99
6) Bromomethane	1.53	94	69847	45.630	ug/L 100
8) Chloroethane	1.60	64	70562	42.059	ug/L 99
9) Trichlorofluoromethane	1.76	101	166969	47.449	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	83871	44.817	ug/L 96
12) 1,1-Dichloroethene	2.13	96	83275	44.475	ug/L 85
13) Acetone	2.19	43	119793	103.193	ug/L 98
14) Carbon disulfide	2.31	76	263542	42.691	ug/L 99
15) Methyl Acetate	2.45	43	110840	45.436	ug/L 98
16) Methylene chloride	2.52	84	100339	45.977	ug/L 96
17) trans-1,2-Dichloroethene	2.78	96	91942	46.467	ug/L 97
18) Methyl tert-butyl Ether	2.78	73	313586	48.873	ug/L 99
19) 1,1-Dichloroethane	3.21	63	185312	46.387	ug/L 99
20) cis-1,2-Dichloroethene	3.94	96	100621	47.557	ug/L 97
22) 2-Butanone	3.99	43	156043	98.055	ug/L 97

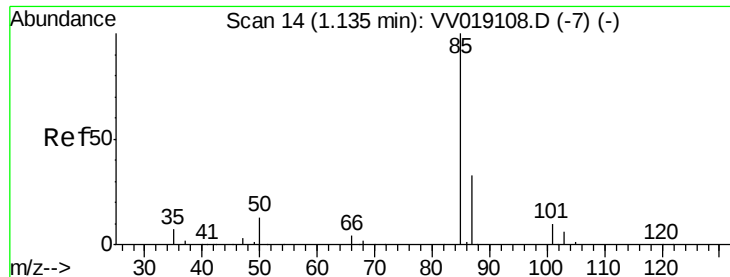
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV102620\
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.27	128	52350	48.605	ug/L	93
25) Chloroform	4.40	83	190797	48.482	ug/L	99
27) 1,2-Dichloroethane	5.15	62	163576	50.084	ug/L	99
29) Cyclohexane	4.70	56	151729	44.916	ug/L	96
30) 1,1,1-Trichloroethane	4.63	97	168712	48.013	ug/L	98
31) Carbon tetrachloride	4.86	117	147099	48.021	ug/L	100
33) Benzene	5.13	78	397080	45.960	ug/L	100
34) Trichloroethene	5.94	95	100113	45.856	ug/L	95
35) Methylcyclohexane	6.15	83	139193	46.598	ug/L	97
37) 1,2-Dichloropropane	6.20	63	105407	44.316	ug/L	100
38) Bromodichloromethane	6.53	83	143339	47.628	ug/L	100
39) cis-1,3-Dichloropropene	7.05	75	169598	48.248	ug/L	99
40) 4-Methyl-2-pentanone	7.24	43	311612	97.109	ug/L	98
42) Toluene	7.41	91	423108	47.711	ug/L	99
44) trans-1,3-Dichloropropene	7.67	75	170268	48.825	ug/L	98
45) 1,1,2-Trichloroethane	7.86	97	99413	47.323	ug/L	99
46) Tetrachloroethene	8.00	164	81742	48.790	ug/L	98
48) 2-Hexanone	8.16	43	245844	99.285	ug/L	98
49) Dibromochloromethane	8.27	129	113852	49.583	ug/L	98
50) 1,2-Dibromoethane	8.37	107	103899	47.660	ug/L	100
51) Chlorobenzene	8.90	112	270961	47.640	ug/L	98
52) Ethylbenzene	9.03	91	465252	48.516	ug/L	100
53) m,p-Xylene	9.16	106	172268	49.072	ug/L	99
54) o-xylene	9.56	106	166350	49.215	ug/L	98
55) Styrene	9.58	104	306635	51.142	ug/L	100
56) Isopropylbenzene	9.95	105	447074	50.303	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	160208	46.348	ug/L	97
59) 1,2,3-Trichloropropane	10.29	75	132006	47.464	ug/L	100
61) Bromoform	9.75	173	85551	49.422	ug/L	100
62) 1,3-Dichlorobenzene	11.20	146	221052	47.923	ug/L	98
63) 1,4-Dichlorobenzene	11.29	146	226859	47.067	ug/L	99
65) 1,2-Dichlorobenzene	11.67	146	222849	47.916	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.45	75	39832	48.477	ug/L	95
67) 1,3,5-Trichlorobenzene	12.67	180	154478	49.045	ug/L	100
68) 1,2,4-trichlorobenzene	13.28	180	145809	49.092	ug/L	100
69) Naphthalene	13.52	128	472536	51.636	ug/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	148793	49.444	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 45.997 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

Lab File: VV019124.D

Acq: 26 Oct 2020 17:08

Instrument :

MSVOA_V

ClientSampleId :

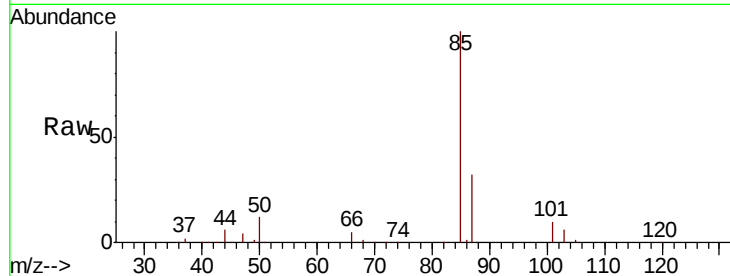
VSTD05074

Tot Ion: 85 Resp: 100440

Ion Ratio Lower Upper

85 100

87 32.5 25.5 38.3



Abundance Ion 85.00 (84.70 to 85.70): VV019124.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VV019124.D (-1) (-)

1.14

120000

100000

80000

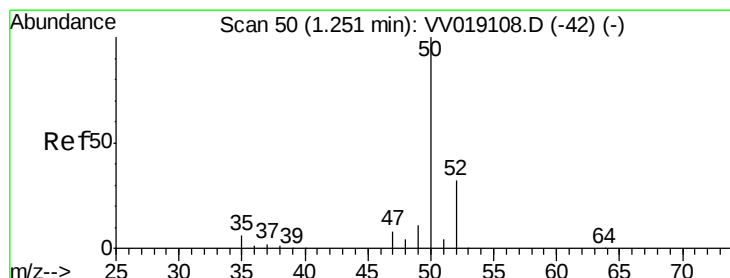
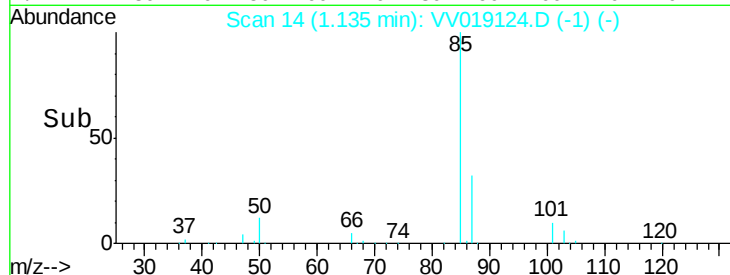
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 41.584 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV019124.D

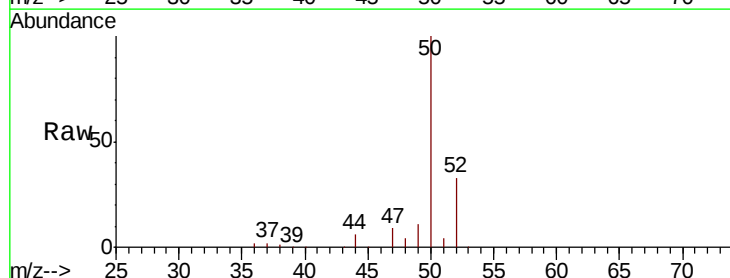
Acq: 26 Oct 2020 17:08

Tgt Ion: 50 Resp: 112927

Ion Ratio Lower Upper

50 100

52 32.6 22.7 42.1



Abundance Ion 50.00 (49.70 to 50.70): VV019124.D (-1) (-)

Ion 52.00 (51.70 to 52.70): VV019124.D (-1) (-)

1.25

120000

100000

80000

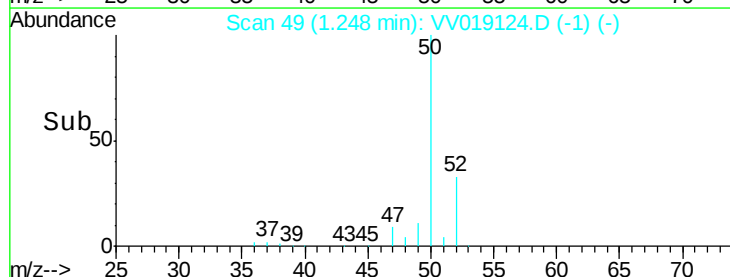
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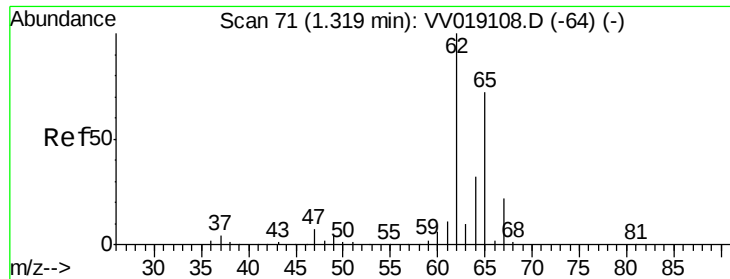
40000

20000

0

Time-->





#5

Vinyl chloride

Concen: 42.449 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV019124.D

Acq: 26 Oct 2020 17:08

Instrument :

MSVOA_V

ClientSampleId :

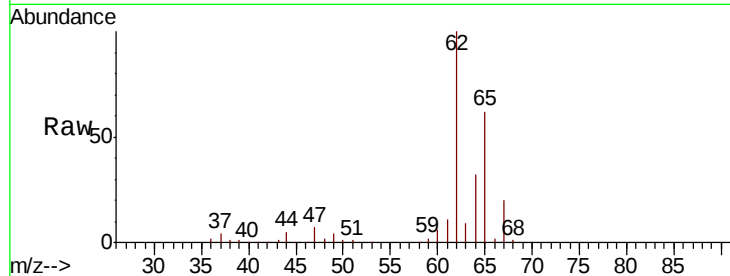
VSTD05074

Tot Ion: 62 Resp: 113562

Ion Ratio Lower Upper

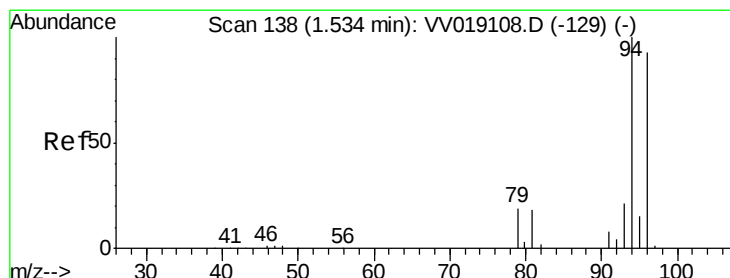
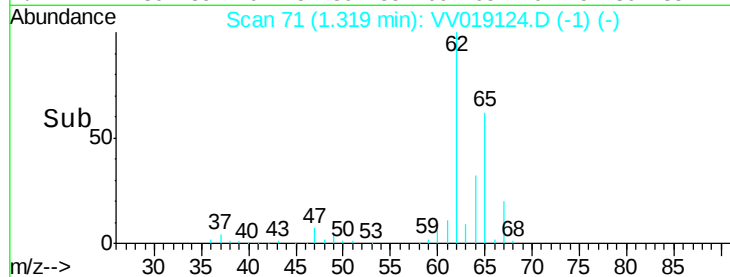
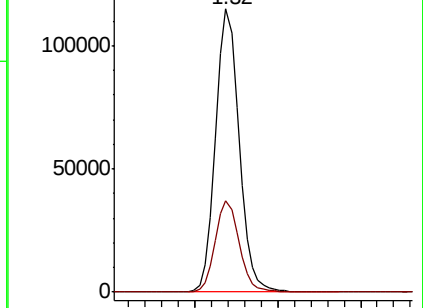
62 100

64 32.2 22.9 42.5



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#6

Bromomethane

Concen: 45.630 ug/L

RT: 1.53 min Scan# 137

Delta R.T. -0.00 min

Lab File: VV019124.D

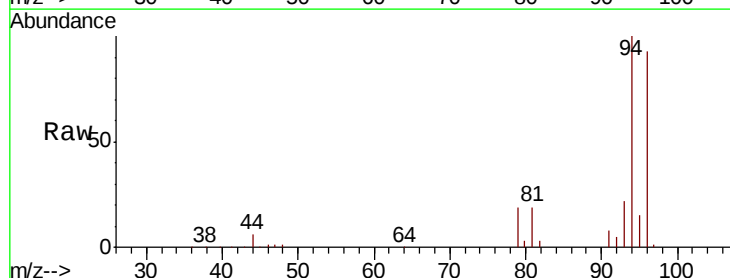
Acq: 26 Oct 2020 17:08

Tgt Ion: 94 Resp: 69847

Ion Ratio Lower Upper

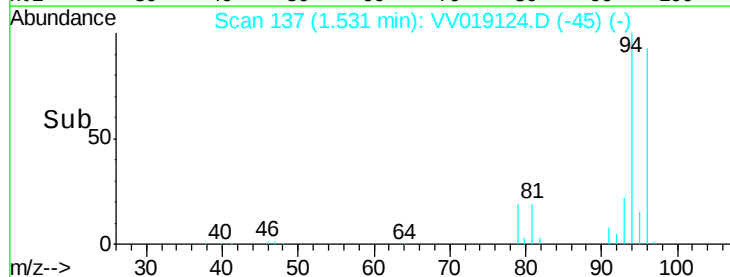
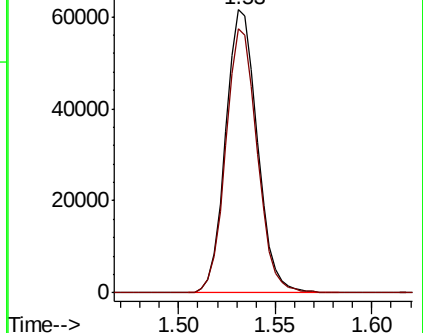
94 100

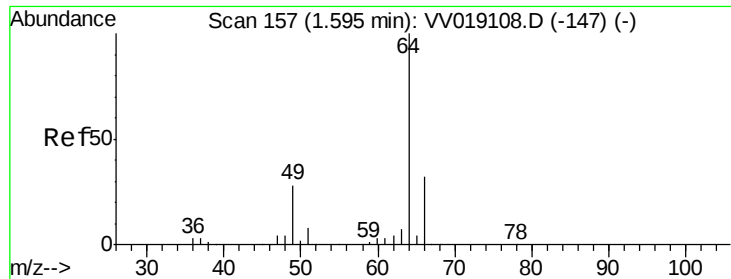
96 93.5 65.3 121.3



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 42.059 ug/L

RT: 1.60 min Scan# 157

Delta R.T. 0.00 min

Lab File: VV019124.D

Acq: 26 Oct 2020 17:08

Instrument :

MSVOA_V

ClientSampleId :

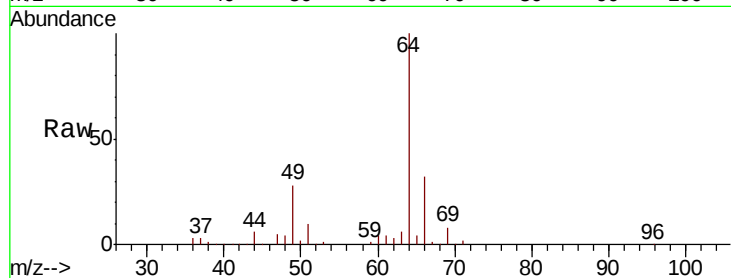
VSTD05074

Tot Ion: 64 Resp: 70562

Ion Ratio Lower Upper

64 100

66 31.6 22.5 41.9



Abundance Ion 64.00 (63.70 to 64.70): VV019108.D (-147) (-)

Ion 66.00 (65.70 to 66.70): VV019108.D (-147) (-)

1.60

60000

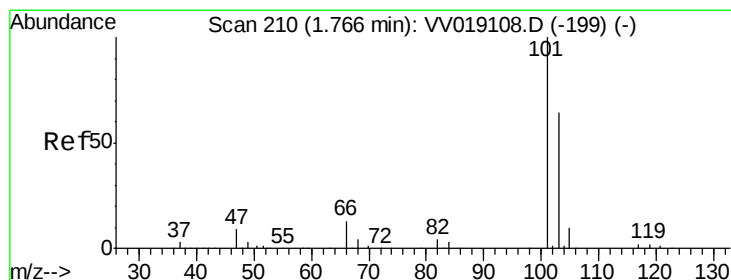
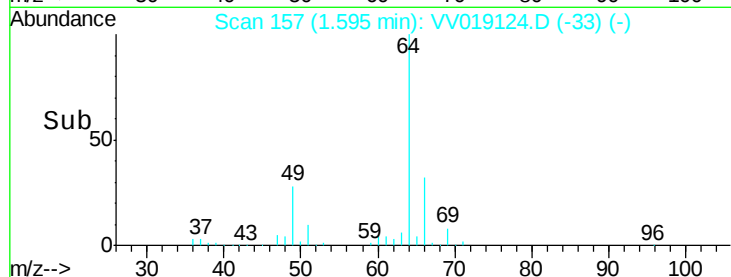
40000

20000

0

1.55 1.60 1.65

Time-->



#9

Trichlorofluoromethane

Concen: 47.449 ug/L

RT: 1.76 min Scan# 209

Delta R.T. -0.00 min

Lab File: VV019124.D

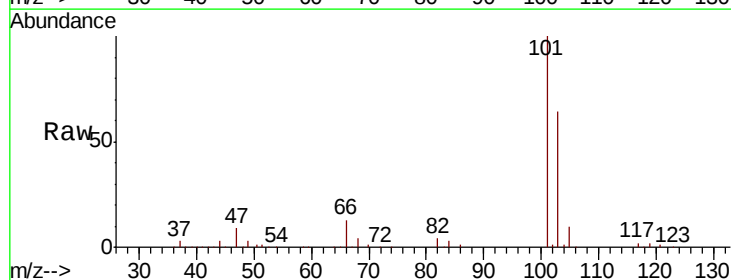
Acq: 26 Oct 2020 17:08

Tgt Ion: 101 Resp: 166969

Ion Ratio Lower Upper

101 100

103 64.4 51.7 77.5



Abundance Ion 101.00 (100.70 to 101.70): VV019108.D (-199) (-)

Ion 103.00 (102.70 to 103.70): VV019108.D (-199) (-)

150000

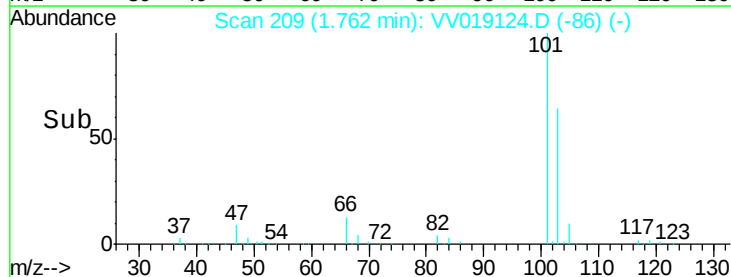
100000

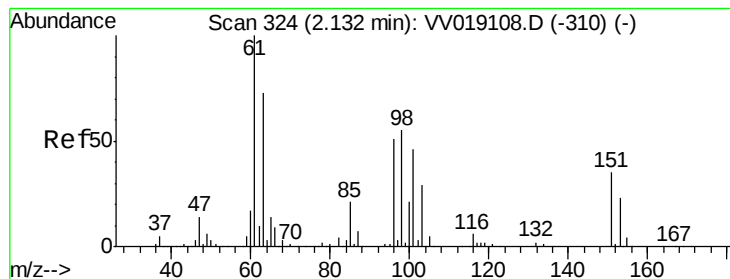
50000

0

1.70 1.75 1.80 1.85

Time-->





#10

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

Concen: 44.817 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV019124.D

Acq: 26 Oct 2020 17:08

Instrument :

MSVOA_V

ClientSampleId :

VSTD05074

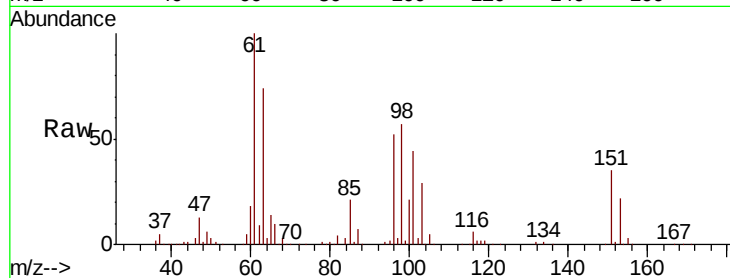
Tot Ion:101 Resp: 83871

Ion Ratio Lower Upper

101 100

85 45.4 36.9 55.3

151 77.6 58.2 87.2

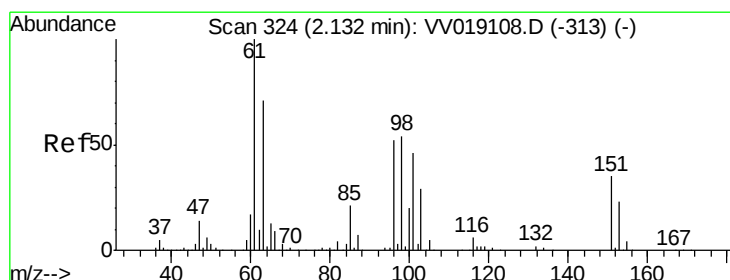
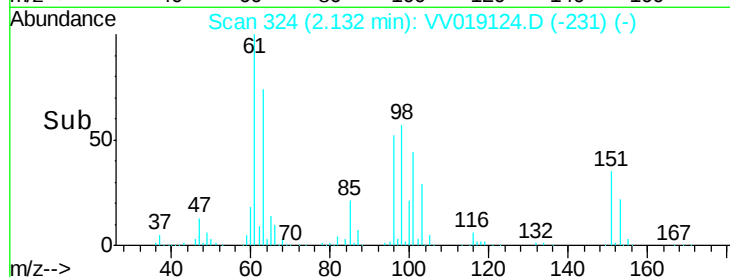
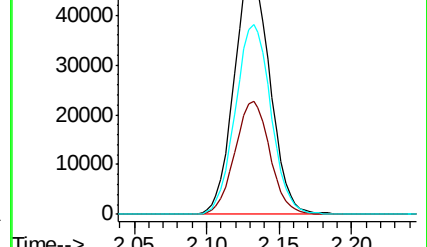


Abundance Ion 101.00 (100.70 to 101.70): VV019108.D (-310) (-)

Ion 85.00 (84.70 to 85.70): VV019108.D (-310) (-)

Ion 151.00 (150.70 to 151.70): VV019108.D (-310) (-)

Time-->



#12

1,1-Dichloroethene

Concen: 44.475 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV019124.D

Acq: 26 Oct 2020 17:08

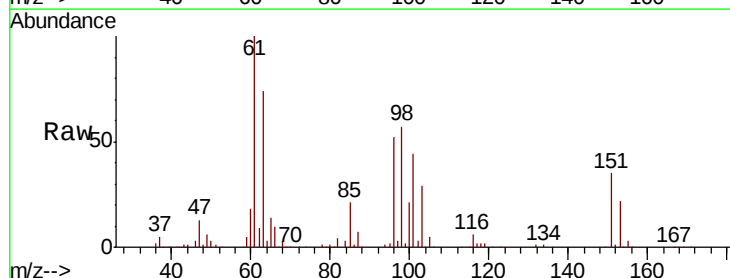
Tgt Ion: 96 Resp: 83275

Ion Ratio Lower Upper

96 100

61 191.7 138.7 257.7

63 141.6 126.3 234.6

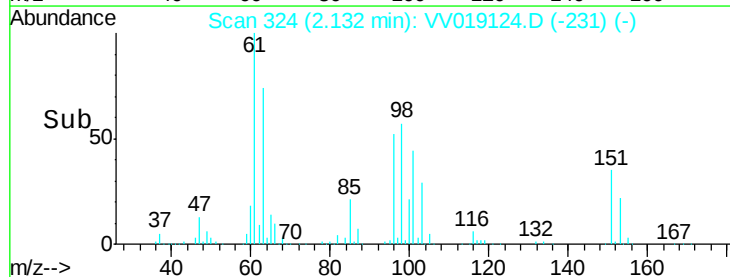
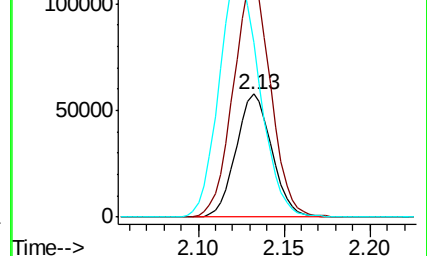


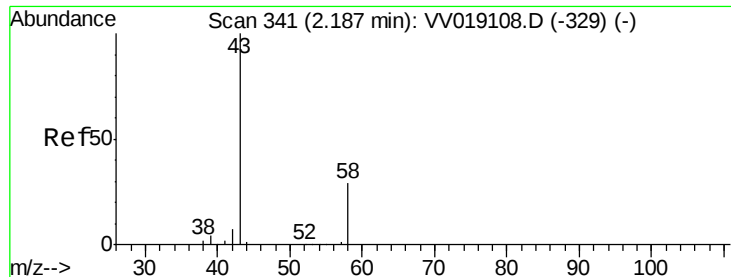
Abundance Ion 96.00 (95.70 to 96.70): VV019108.D (-313) (-)

Ion 61.00 (60.70 to 61.70): VV019108.D (-313) (-)

Ion 63.00 (62.70 to 63.70): VV019108.D (-313) (-)

Time-->





#13

Acetone

Concen: 103.193 ug/L

RT: 2.19 min Scan# 342

Delta R.T. 0.00 min

Lab File: VV019124.D

Acq: 26 Oct 2020 17:08

Instrument :

MSVOA_V

ClientSampleId :

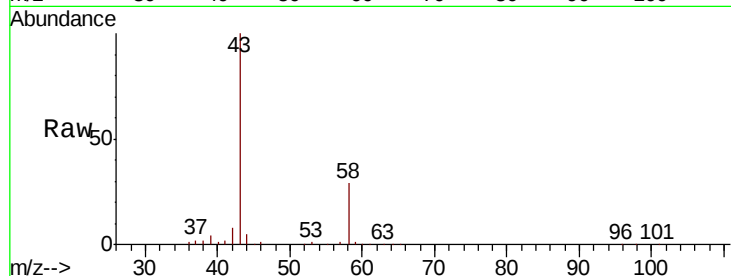
VSTD05074

Tot Ion: 43 Resp: 119793

Ion Ratio Lower Upper

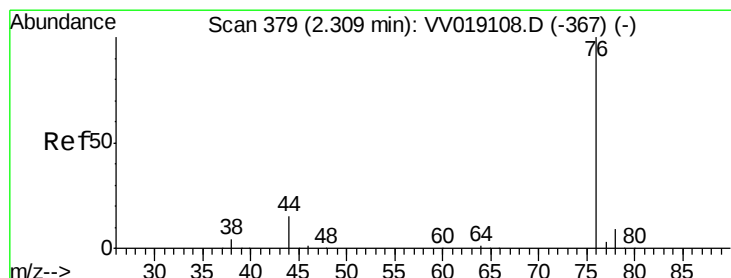
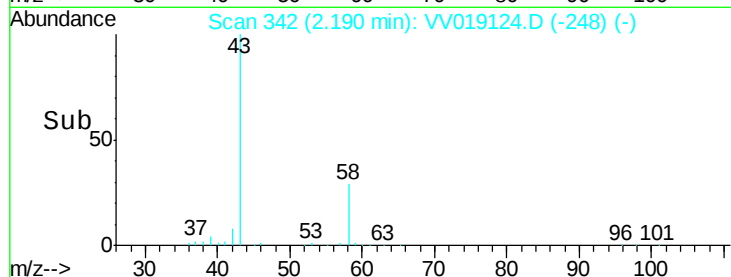
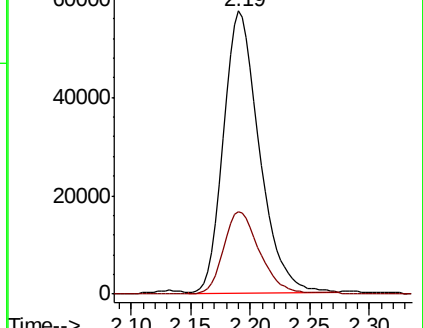
43 100

58 29.0 0.0 60.2



Abundance Ion 43.00 (42.70 to 43.70): VV019108.D (-329) (-)

Ion 58.00 (57.70 to 58.70): VV019108.D (-329) (-)



#14

Carbon disulfide

Concen: 42.691 ug/L

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VV019124.D

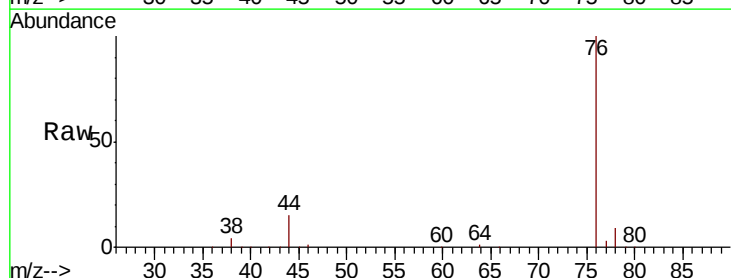
Acq: 26 Oct 2020 17:08

Tgt Ion: 76 Resp: 263542

Ion Ratio Lower Upper

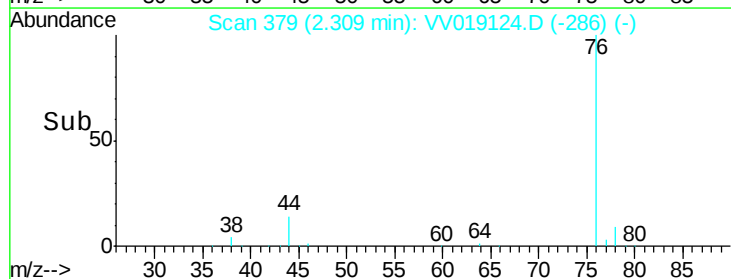
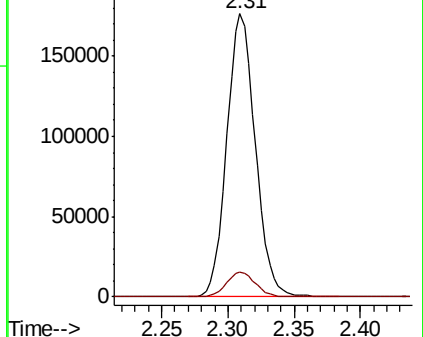
76 100

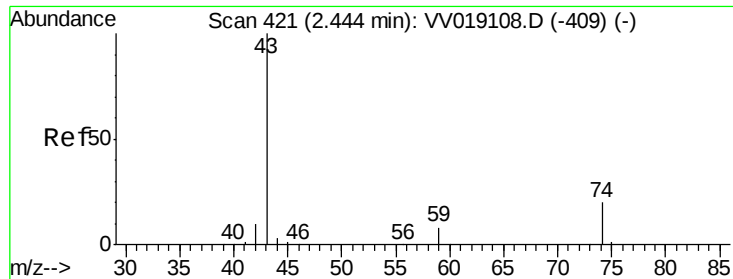
78 8.9 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VV019108.D (-367) (-)

Ion 78.00 (77.70 to 78.70): VV019108.D (-367) (-)

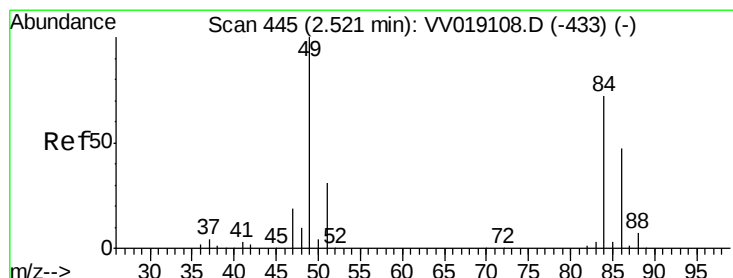
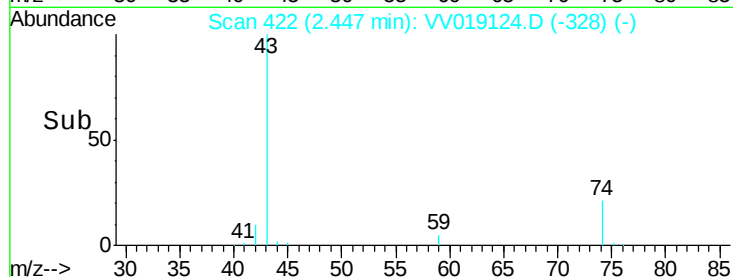
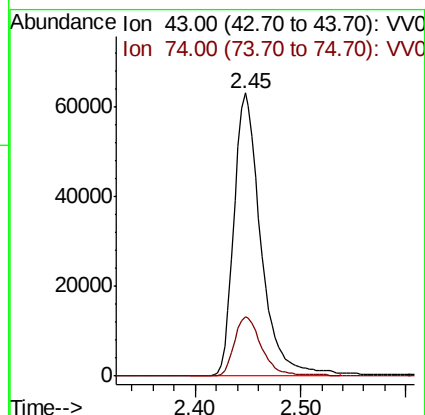
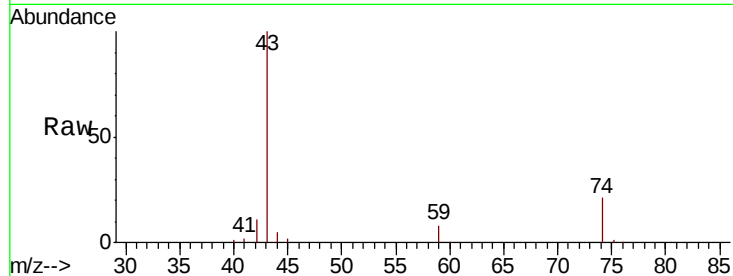




#15
Methvl Acetate
Concen: 45.436 ug/L
RT: 2.45 min Scan# 422
Delta R.T. 0.00 min
Lab File: VV019124.D
Acq: 26 Oct 2020 17:08

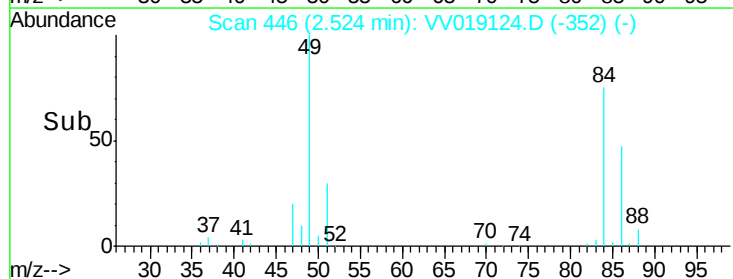
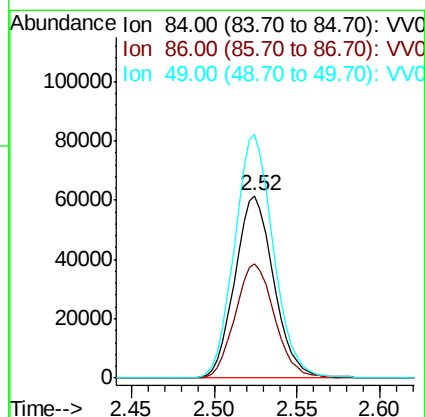
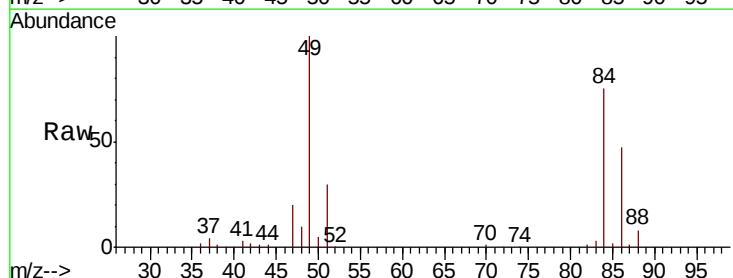
Instrument :
MSVOA_V
ClientSampleId :
VSTD05074

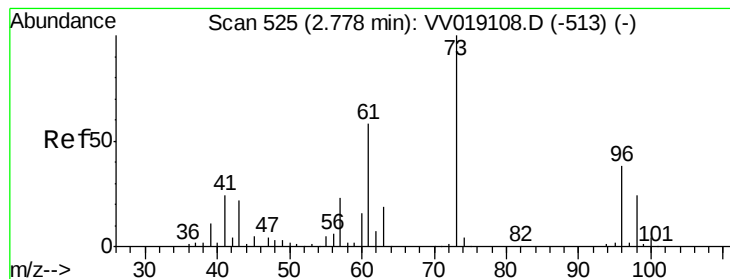
Tot Ion: 43 Resp: 110840
Ion Ratio Lower Upper
43 100
74 21.2 16.4 24.6



#16
Methylene chloride
Concen: 45.977 ug/L
RT: 2.52 min Scan# 446
Delta R.T. 0.00 min
Lab File: VV019124.D
Acq: 26 Oct 2020 17:08

Tgt Ion: 84 Resp: 100339
Ion Ratio Lower Upper
84 100
86 62.7 44.2 82.2
49 133.6 98.0 182.0





#17

trans-1,2-Dichloroethene

Concen: 46.467 ug/L

RT: 2.78 min Scan# 525

Delta R.T. 0.00 min

Lab File: VV019124.D

Acq: 26 Oct 2020 17:08

Instrument :

MSVOA_V

ClientSampled :

VSTD05074

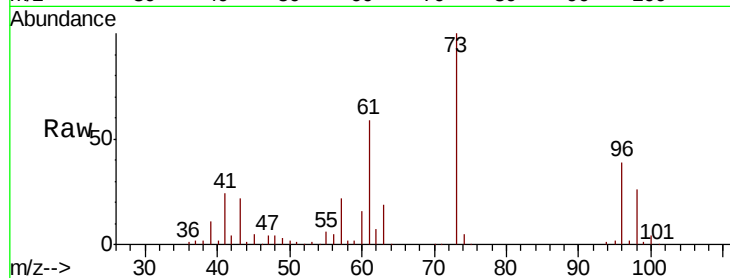
Tot Ion: 96 Resp: 91942

Ion Ratio Lower Upper

96 100

61 149.6 108.6 201.8

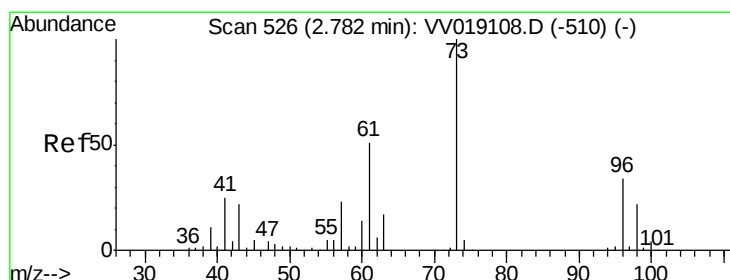
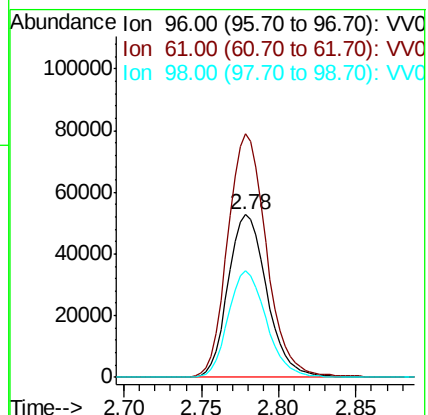
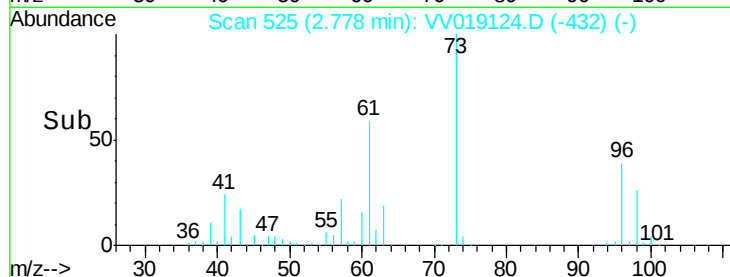
98 65.2 45.7 84.9



Abundance Ion 96.00 (95.70 to 96.70): VV019124.D (-432) (-)

Ion 61.00 (60.70 to 61.70): VV019124.D (-432) (-)

Ion 98.00 (97.70 to 98.70): VV019124.D (-432) (-)



#18

Methyl tert-butyl Ether

Concen: 48.873 ug/L

RT: 2.78 min Scan# 527

Delta R.T. 0.00 min

Lab File: VV019124.D

Acq: 26 Oct 2020 17:08

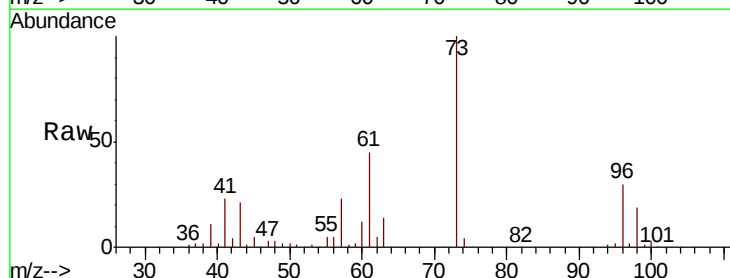
Tgt Ion: 73 Resp: 313586

Ion Ratio Lower Upper

73 100

43 21.4 17.2 25.8

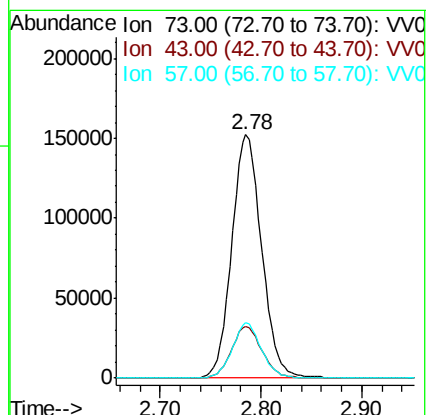
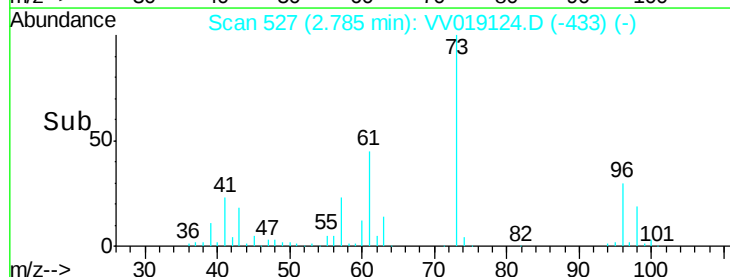
57 22.1 18.5 27.7

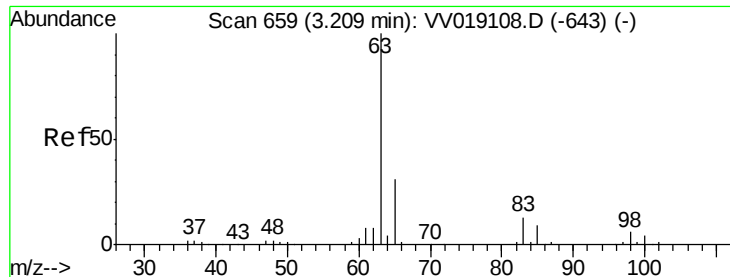


Abundance Ion 73.00 (72.70 to 73.70): VV019124.D (-433) (-)

Ion 43.00 (42.70 to 43.70): VV019124.D (-433) (-)

Ion 57.00 (56.70 to 57.70): VV019124.D (-433) (-)





#19

1,1-Dichloroethane

Concen: 46.387 ug/L

RT: 3.21 min Scan# 660

Delta R.T. 0.00 min

Lab File: VV019124.D

Acq: 26 Oct 2020 17:08

Instrument :

MSVOA_V

ClientSampleId :

VSTD05074

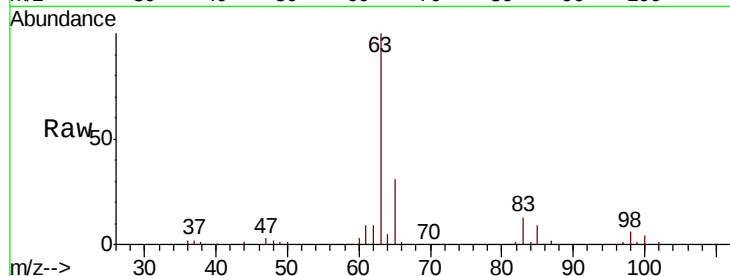
Tot Ion: 63 Resp: 185312

Ion Ratio Lower Upper

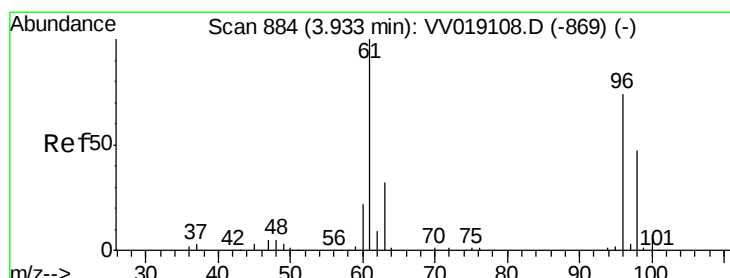
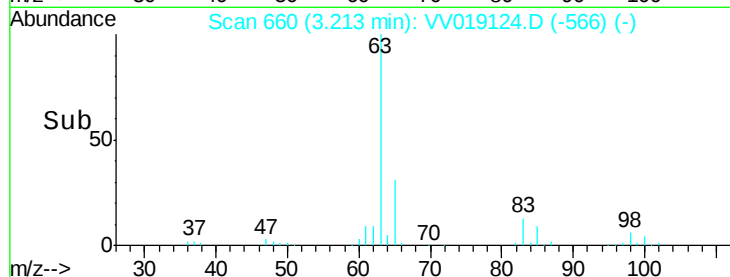
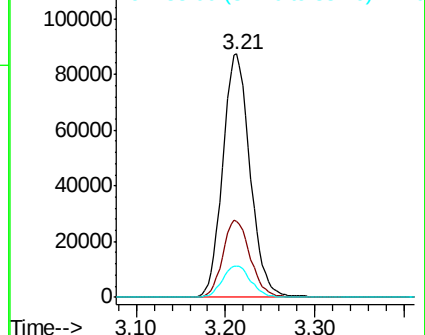
63 100

65 31.4 22.7 42.1

83 13.0 9.0 16.8



Abundance Ion 63.00 (62.70 to 63.70): VV0
Ion 65.00 (64.70 to 65.70): VV0
Ion 83.00 (82.70 to 83.70): VV0



#20

cis-1,2-Dichloroethene

Concen: 47.557 ug/L

RT: 3.94 min Scan# 886

Delta R.T. 0.01 min

Lab File: VV019124.D

Acq: 26 Oct 2020 17:08

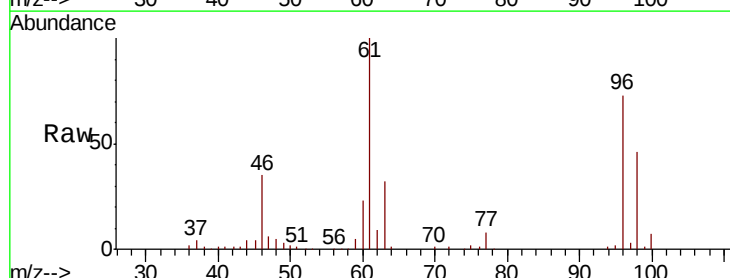
Tgt Ion: 96 Resp: 100621

Ion Ratio Lower Upper

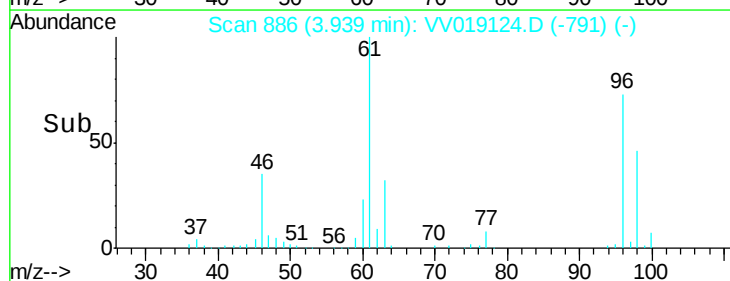
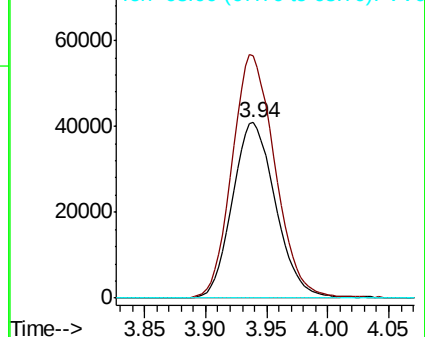
96 100

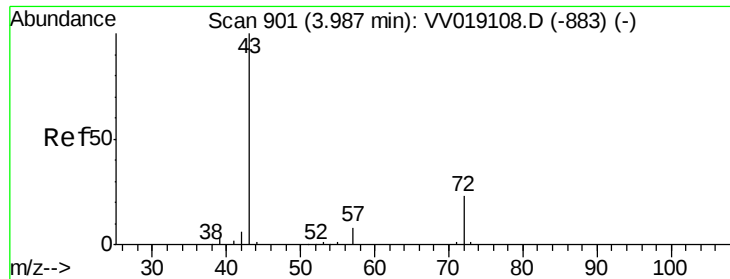
61 137.9 99.4 184.6

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 68.00 (67.70 to 68.70): VV0





#22

2-Butanone

Concen: 98.055 ug/L

RT: 3.99 min Scan# 903

Delta R.T. 0.01 min

Lab File: VV019124.D

Acq: 26 Oct 2020 17:08

Instrument :

MSVOA_V

ClientSampleId :

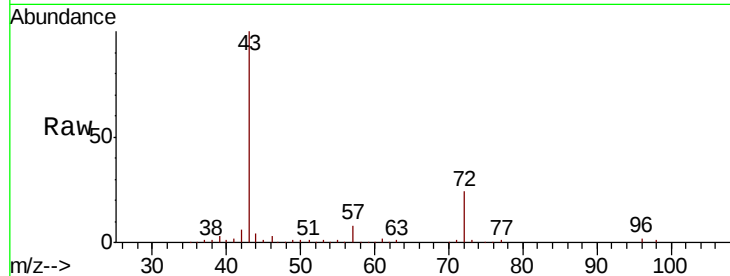
VSTD05074

Tot Ion: 43 Resp: 156043

Ion Ratio Lower Upper

43 100

72 23.0 10.8 32.4



Abundance Ion 43.00 (42.70 to 43.70): VV019124.D (-896) (-)

Ion 72.00 (71.70 to 72.70): VV019124.D (-896) (-)

3.99

60000

50000

40000

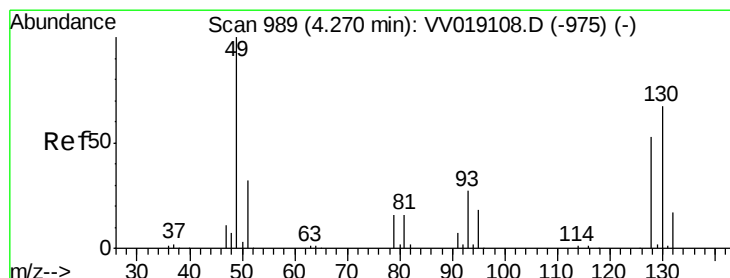
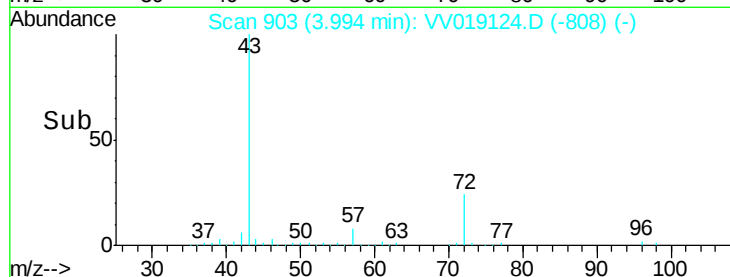
30000

20000

10000

0

Time-->



#23

Bromochloromethane

Concen: 48.605 ug/L

RT: 4.27 min Scan# 990

Delta R.T. 0.00 min

Lab File: VV019124.D

Acq: 26 Oct 2020 17:08

Tgt Ion: 128 Resp: 52350

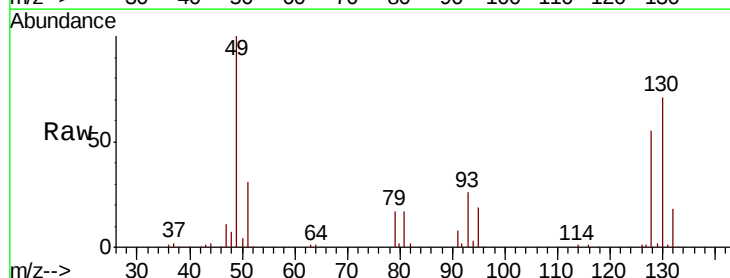
Ion Ratio Lower Upper

128 100

49 181.2 137.1 254.5

130 128.1 92.0 170.9

51 56.0 49.0 73.4



Abundance Ion 128.00 (127.70 to 128.70): VV019124.D (-896) (-)

Ion 49.00 (48.70 to 49.70): VV019124.D (-896) (-)

Ion 130.00 (129.70 to 130.70): VV019124.D (-896) (-)

Ion 51.00 (50.70 to 51.70): VV019124.D (-896) (-)

60000

50000

40000

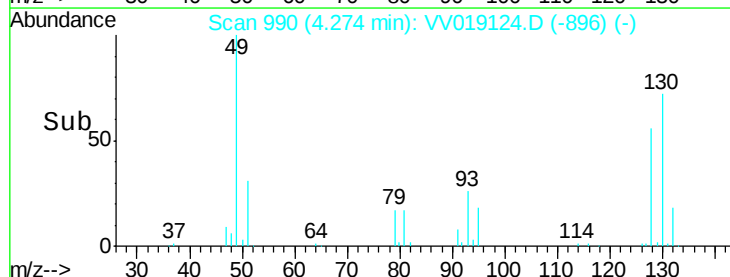
30000

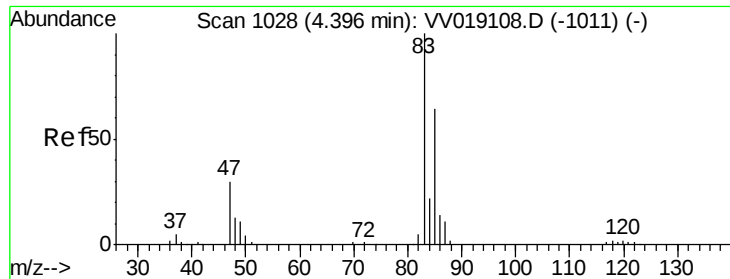
20000

10000

0

Time-->

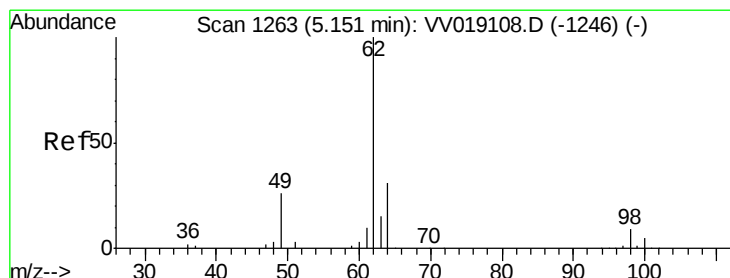
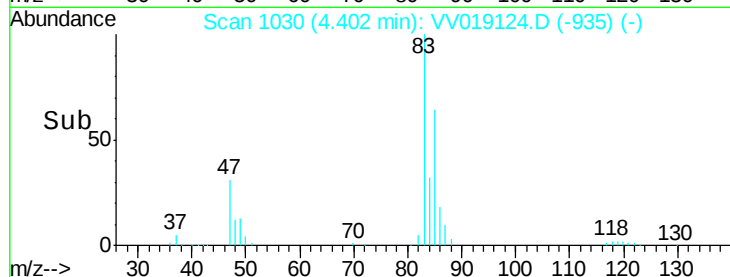
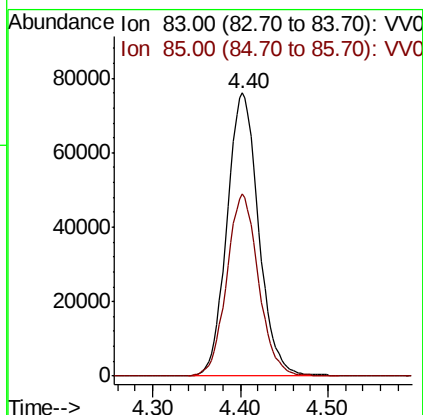
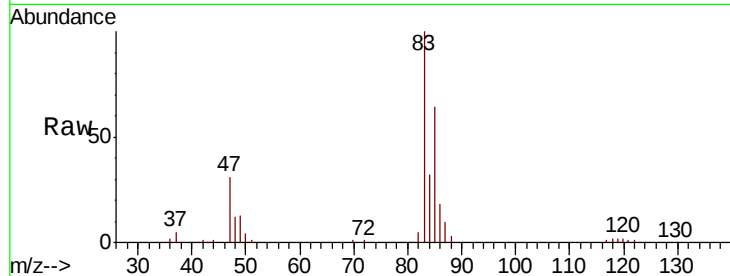




#25
Chloroform
Concen: 48.482 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. 0.01 min
Lab File: VV019124.D
Acq: 26 Oct 2020 17:08

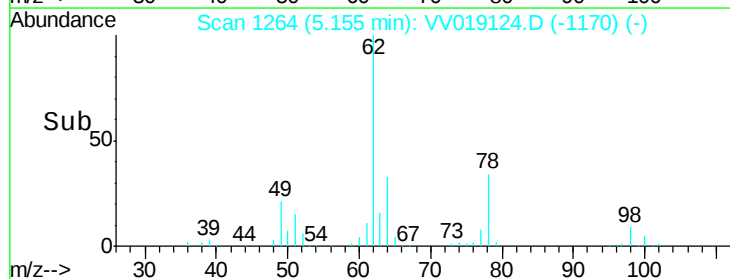
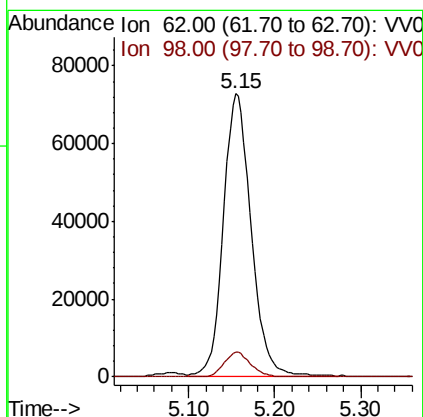
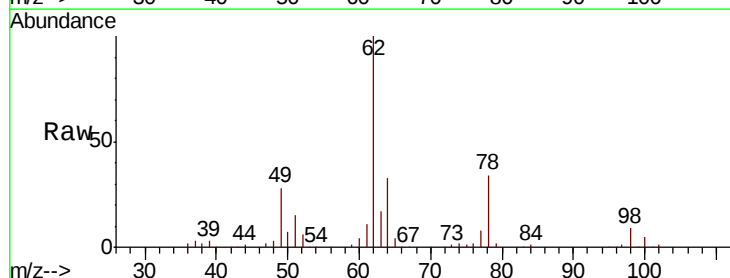
Instrument :
MSVOA_V
ClientSampleId :
VSTD05074

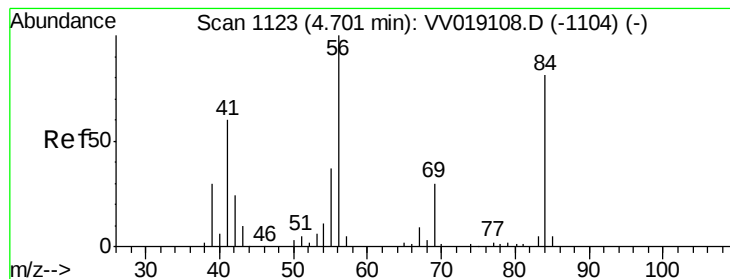
Tot Ion: 83 Resp: 190797
Ion Ratio Lower Upper
83 100
85 64.3 44.5 82.7



#27
1,2-Dichloroethane
Concen: 50.084 ug/L
RT: 5.15 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VV019124.D
Acq: 26 Oct 2020 17:08

Tgt Ion: 62 Resp: 163576
Ion Ratio Lower Upper
62 100
98 8.8 6.9 10.3





#29

Cyclohexane

Concen: 44.916 ug/L

RT: 4.70 min Scan# 1124

Delta R.T. 0.00 min

Lab File: VV019124.D

Acq: 26 Oct 2020 17:08

Instrument :

MSVOA_V

ClientSampleId :

VSTD05074

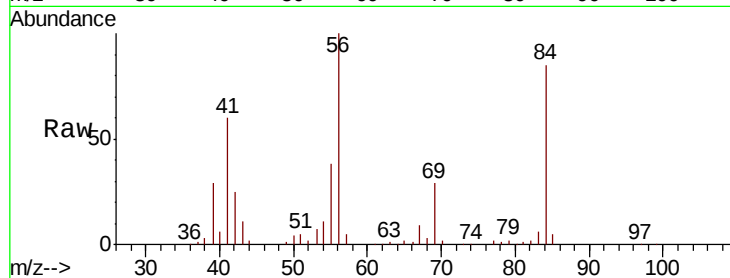
Tot Ion: 56 Resp: 151729

Ion Ratio Lower Upper

56 100

69 29.7 22.7 34.1

84 83.8 63.5 95.3

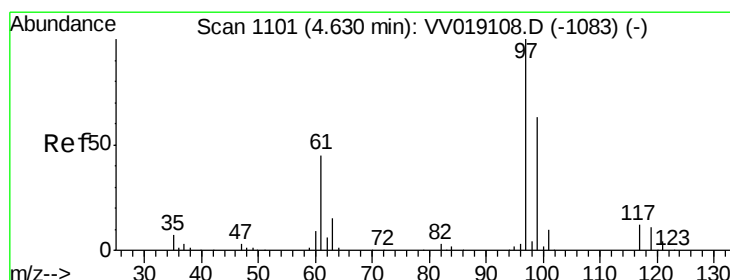
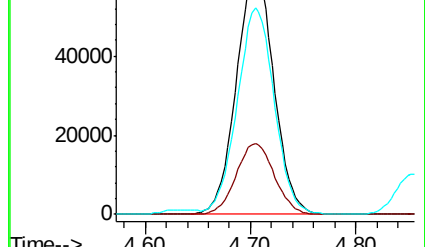
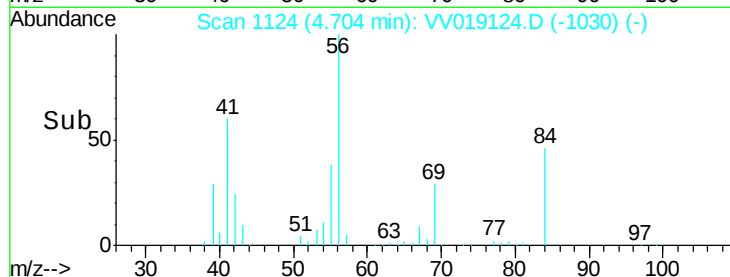


Abundance Ion 56.00 (55.70 to 56.70): VV019124.D (-1030) (-)

Ion 69.00 (68.70 to 69.70): VV019124.D (-1030) (-)

Ion 84.00 (83.70 to 84.70): VV019124.D (-1030) (-)

Time-->



#30

1,1,1-Trichloroethane

Concen: 48.013 ug/L

RT: 4.63 min Scan# 1102

Delta R.T. 0.00 min

Lab File: VV019124.D

Acq: 26 Oct 2020 17:08

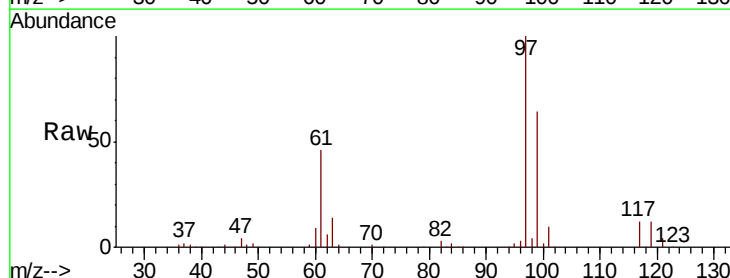
Tgt Ion: 97 Resp: 168712

Ion Ratio Lower Upper

97 100

99 64.1 50.5 75.7

61 46.3 38.1 57.1

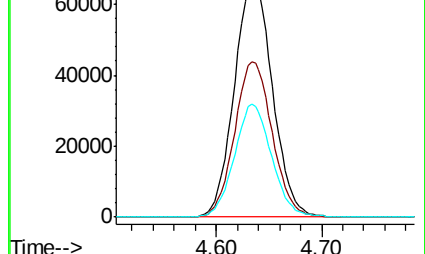
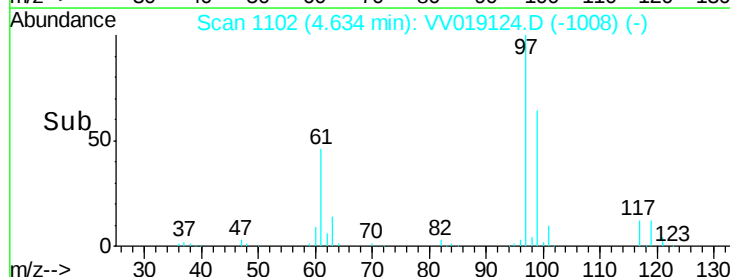


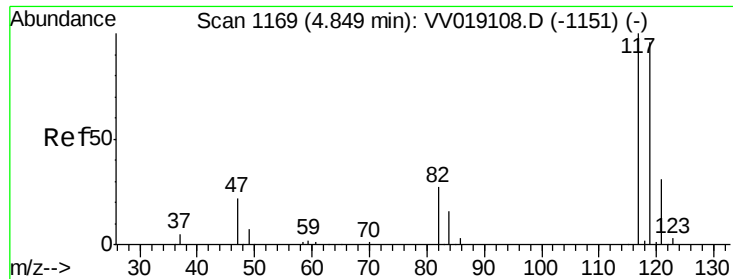
Abundance Ion 97.00 (96.70 to 97.70): VV019124.D (-1008) (-)

Ion 99.00 (98.70 to 99.70): VV019124.D (-1008) (-)

Ion 61.05 (60.75 to 61.75): VV019124.D (-1008) (-)

Time-->

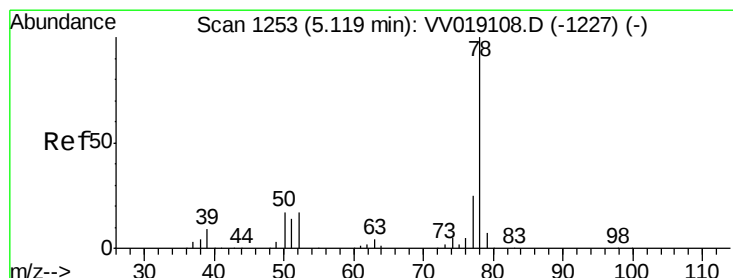
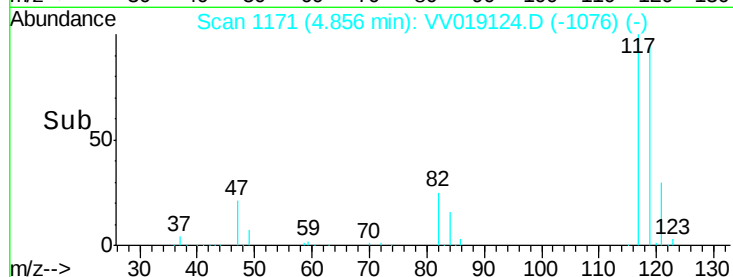
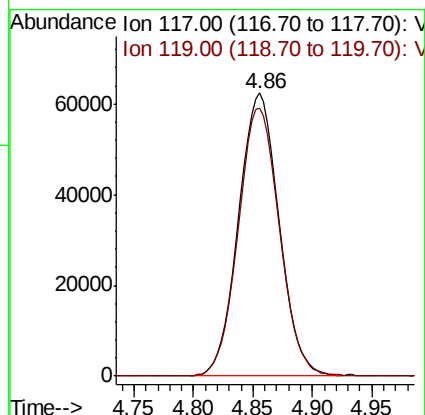
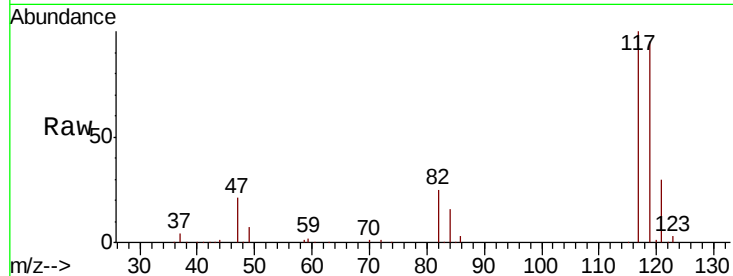




#31
Carbon tetrachloride
Concen: 48.021 ug/L
RT: 4.86 min Scan# 1171
Delta R.T. 0.01 min
Lab File: VV019124.D
Acq: 26 Oct 2020 17:08

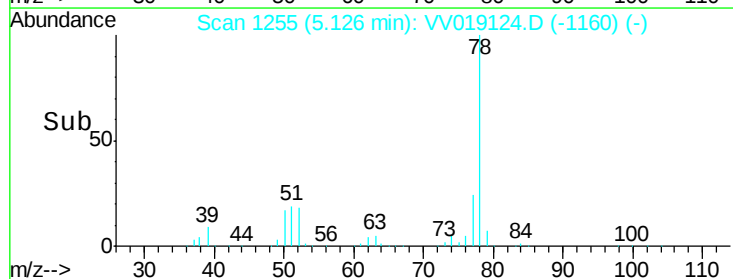
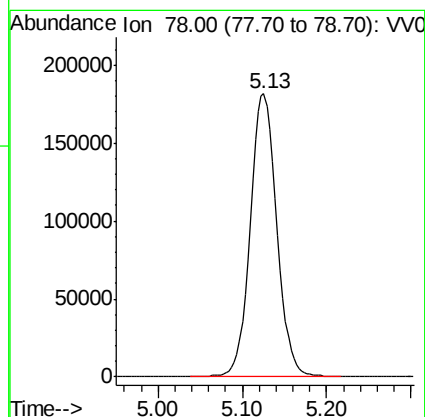
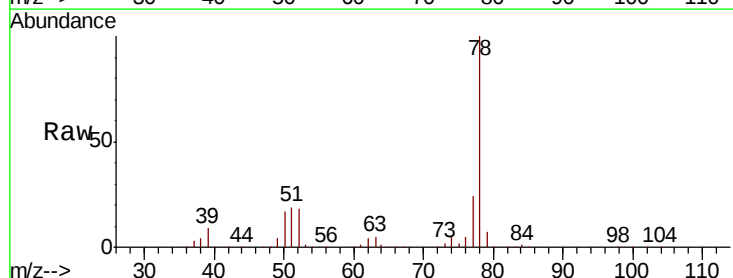
Instrument :
MSVOA_V
ClientSampleId :
VSTD05074

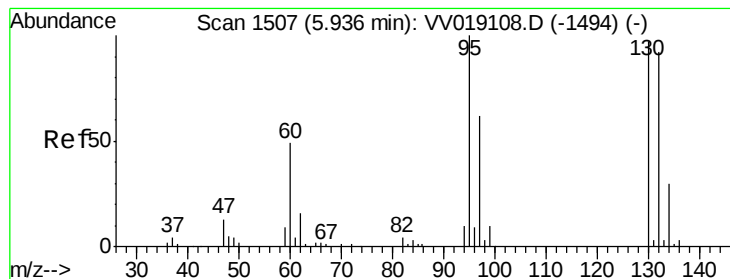
Tot Ion:117 Resp: 147099
Ion Ratio Lower Upper
117 100
119 96.4 77.2 115.8



#33
Benzene
Concen: 45.960 ug/L
RT: 5.13 min Scan# 1255
Delta R.T. 0.01 min
Lab File: VV019124.D
Acq: 26 Oct 2020 17:08

Tgt Ion: 78 Resp: 397080





#34

Trichloroethene

Concen: 45.856 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VV019124.D

Acq: 26 Oct 2020 17:08

Instrument :

MSVOA_V

ClientSampleId :

VSTD05074

Tot Ion: 95 Resp: 100113

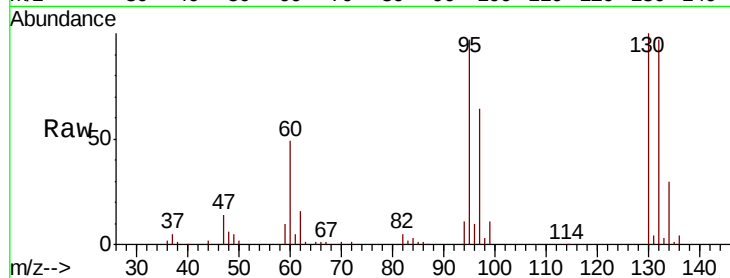
Ion Ratio Lower Upper

95 100

97 65.8 44.6 82.8

132 99.5 66.0 122.6

130 102.7 67.6 125.6

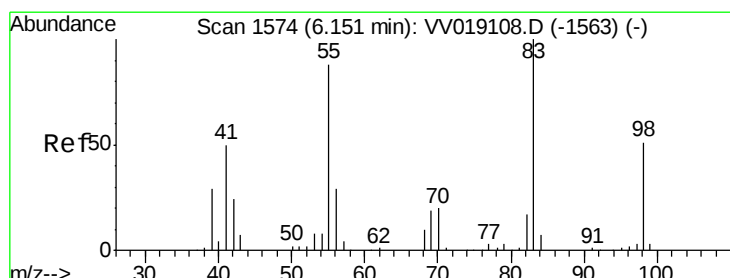
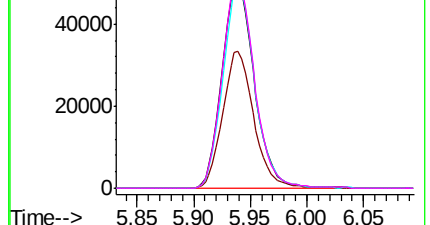
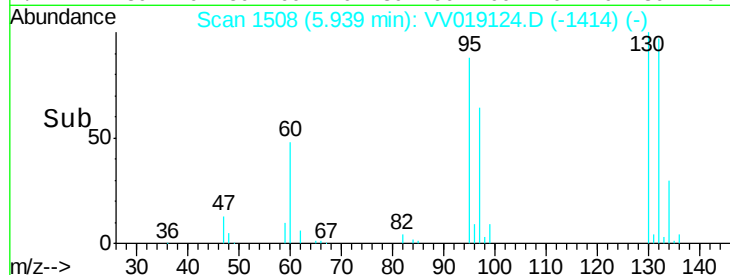


Abundance Ion 95.00 (94.70 to 95.70): VV019124.D (-1414) (-)

Ion 97.00 (96.70 to 97.70): VV019124.D (-1414) (-)

Ion 132.00 (131.70 to 132.70): VV019124.D (-1414) (-)

Ion 130.00 (129.70 to 130.70): VV019124.D (-1414) (-)



#35

Methylcyclohexane

Concen: 46.598 ug/L

RT: 6.15 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VV019124.D

Acq: 26 Oct 2020 17:08

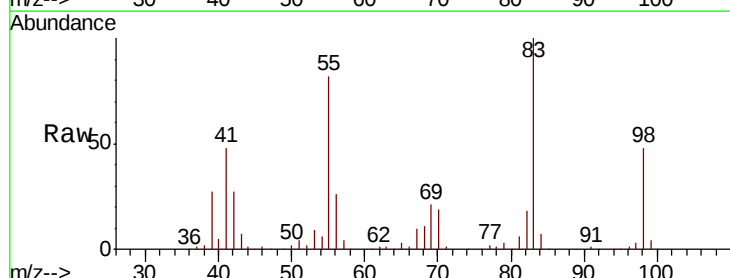
Tgt Ion: 83 Resp: 139193

Ion Ratio Lower Upper

83 100

55 82.0 68.1 102.1

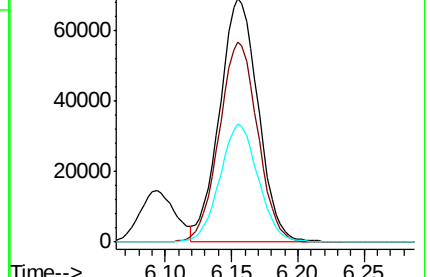
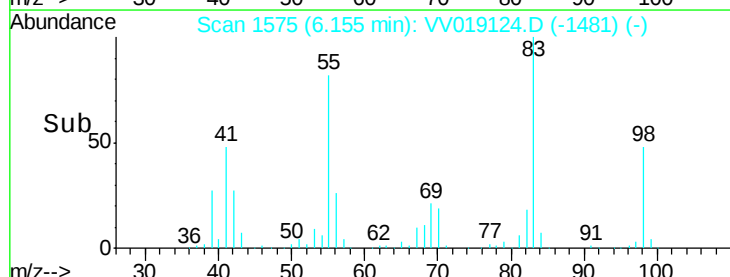
98 48.4 37.9 56.9

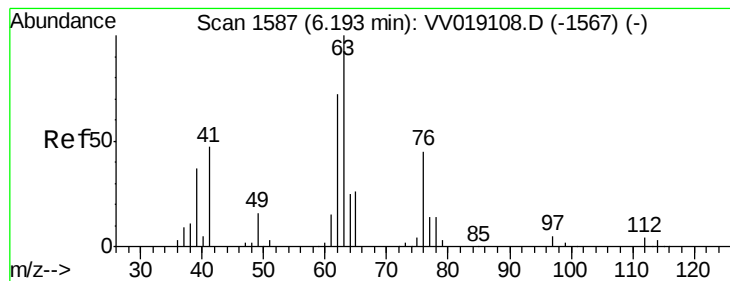


Abundance Ion 83.00 (82.70 to 83.70): VV019124.D (-1481) (-)

Ion 55.00 (54.70 to 55.70): VV019124.D (-1481) (-)

Ion 98.00 (97.70 to 98.70): VV019124.D (-1481) (-)





#37

1,2-Dichloropropane

Concen: 44.316 ug/L

RT: 6.20 min Scan# 1588

Delta R.T. 0.00 min

Lab File: VV019124.D

Acq: 26 Oct 2020 17:08

Instrument :

MSVOA_V

ClientSampleId :

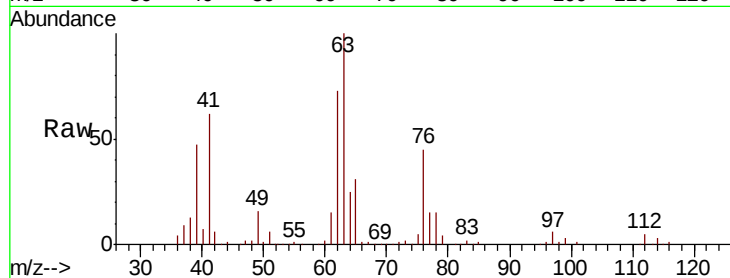
VSTD05074

Tot Ion: 63 Resp: 105407

Ion Ratio Lower Upper

63 100

112 4.3 3.5 5.3



Abundance Ion 63.00 (62.70 to 63.70): VV019108.D (-1567) (-)

Ion 112.00 (111.70 to 112.70): VV019108.D (-1567) (-)

60000

50000

40000

30000

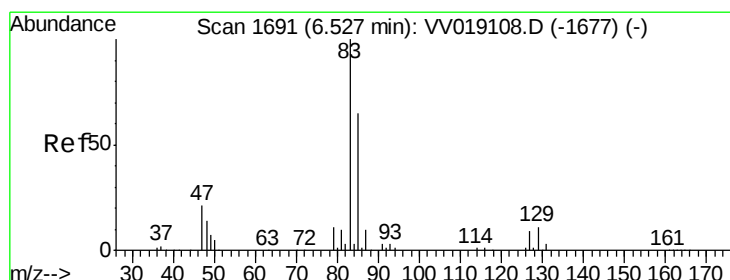
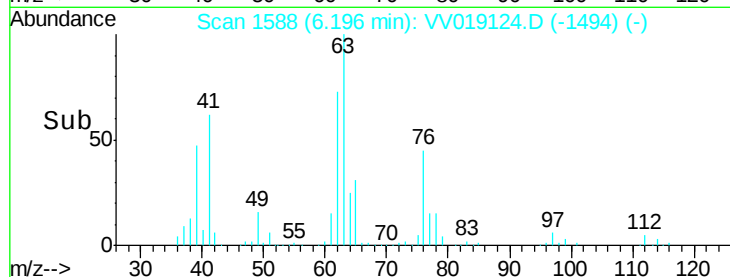
20000

10000

0

6.10 6.15 6.20 6.25 6.30

Time-->



#38

Bromodichloromethane

Concen: 47.628 ug/L

RT: 6.53 min Scan# 1693

Delta R.T. 0.01 min

Lab File: VV019124.D

Acq: 26 Oct 2020 17:08

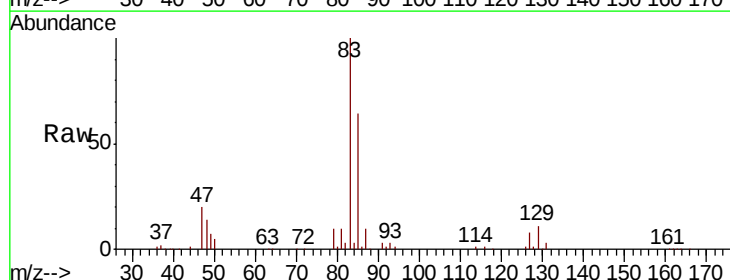
Tgt Ion: 83 Resp: 143339

Ion Ratio Lower Upper

83 100

85 64.2 44.9 83.3

127 8.4 7.0 10.4



Abundance Ion 83.00 (82.70 to 83.70): VV019108.D (-1677) (-)

Ion 85.00 (84.70 to 85.70): VV019108.D (-1677) (-)

Ion 127.00 (126.70 to 127.70): VV019108.D (-1677) (-)

100000

80000

60000

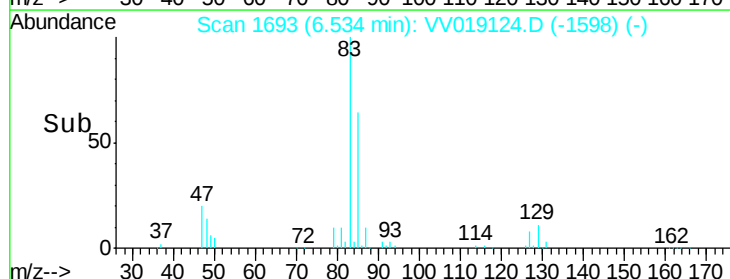
40000

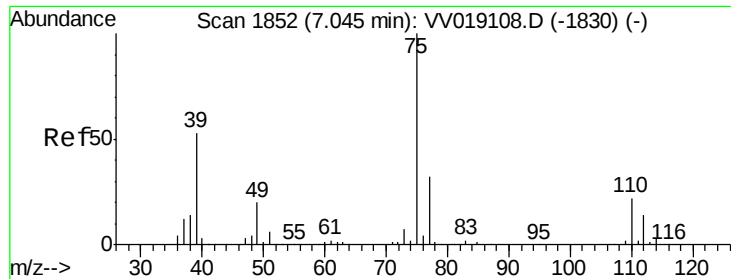
20000

0

6.50 6.55 6.60

Time-->

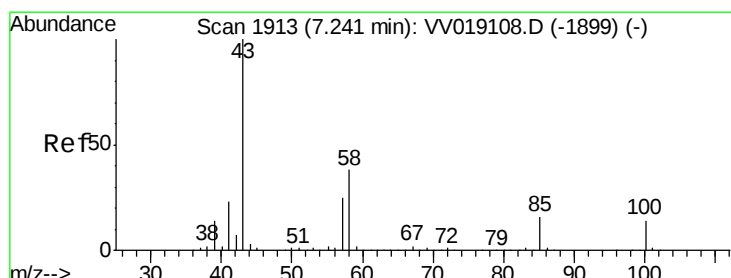
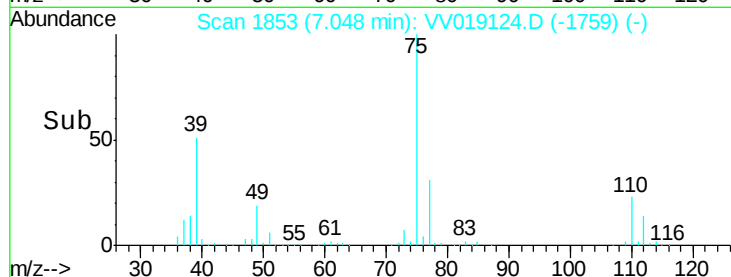
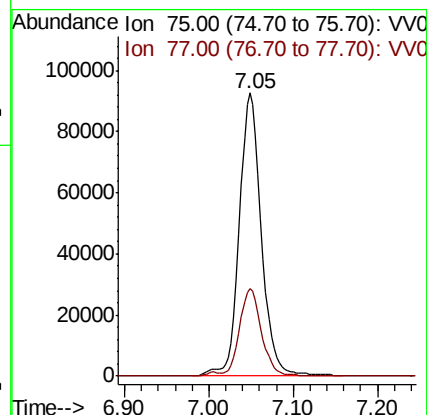
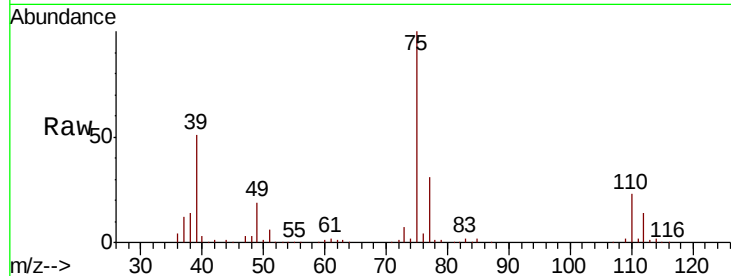




#39
 cis-1,3-Dichloropropene
 Concen: 48.248 ug/L
 RT: 7.05 min Scan# 1853
 Delta R.T. 0.00 min
 Lab File: VV019124.D
 Acq: 26 Oct 2020 17:08

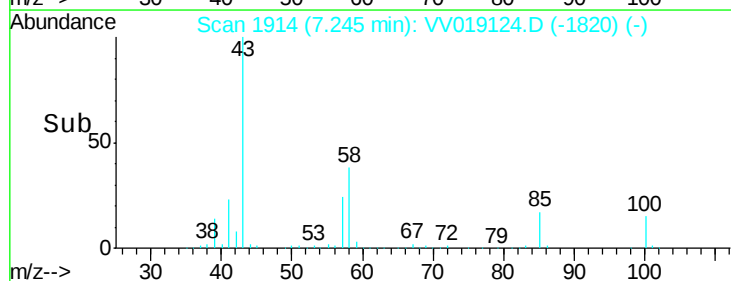
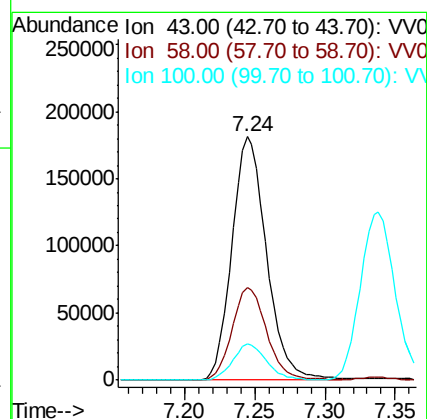
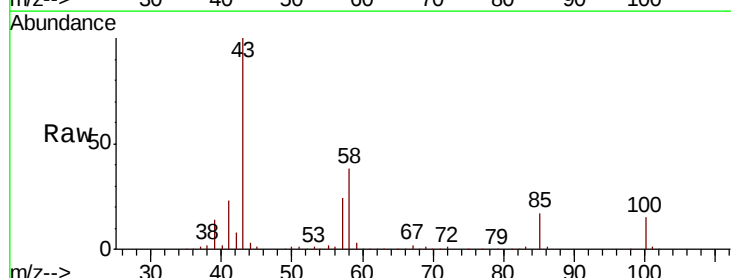
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05074

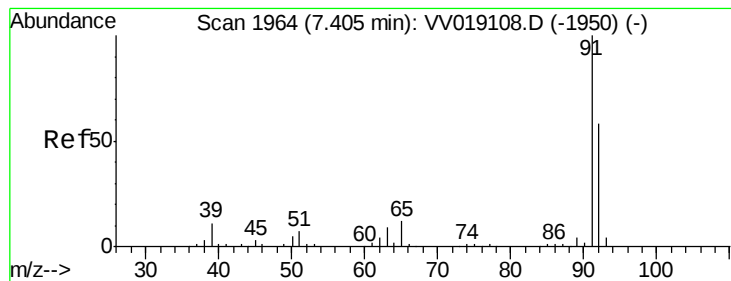
Tot Ion: 75 Resp: 169598
 Ion Ratio Lower Upper
 75 100
 77 31.0 22.1 41.1



#40
 4-Methyl-2-pentanone
 Concen: 97.109 ug/L
 RT: 7.24 min Scan# 1914
 Delta R.T. 0.00 min
 Lab File: VV019124.D
 Acq: 26 Oct 2020 17:08

Tgt Ion: 43 Resp: 311612
 Ion Ratio Lower Upper
 43 100
 58 37.9 29.6 44.4
 100 14.4 10.9 16.3





#42

Toluene

Concen: 47.711 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VV019124.D

Acq: 26 Oct 2020 17:08

Instrument :

MSVOA_V

ClientSampleId :

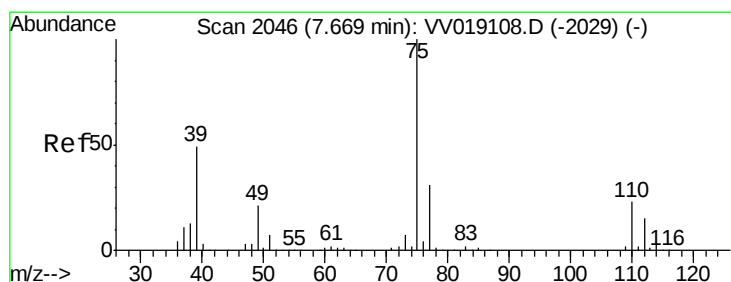
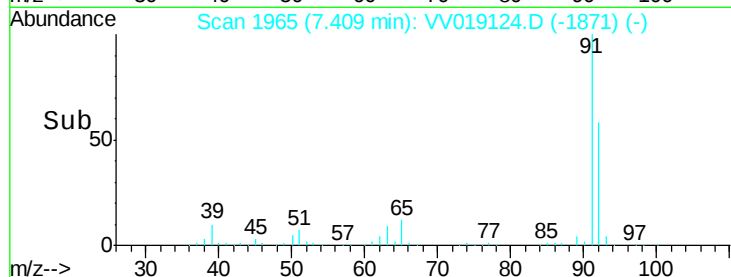
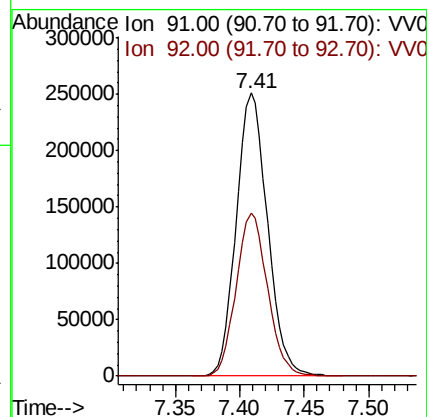
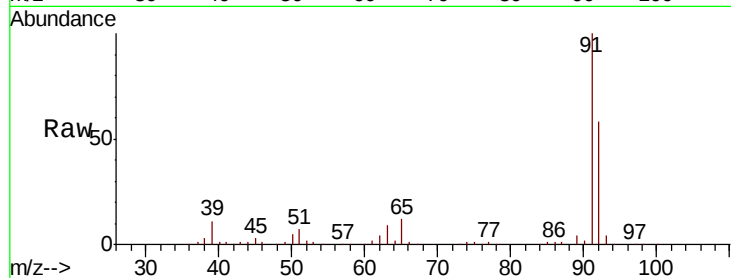
VSTD05074

Tot Ion: 91 Resp: 423108

Ion Ratio Lower Upper

91 100

92 57.6 40.9 76.0



#44

trans-1,3-Dichloropropene

Concen: 48.825 ug/L

RT: 7.67 min Scan# 2047

Delta R.T. 0.00 min

Lab File: VV019124.D

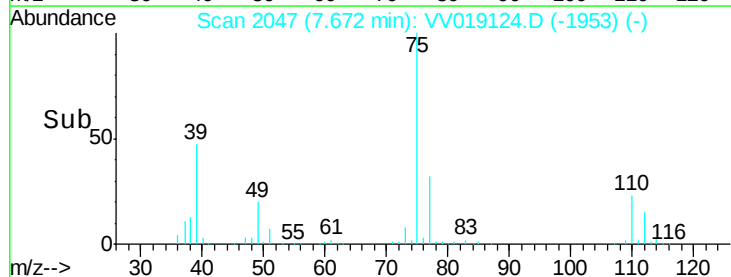
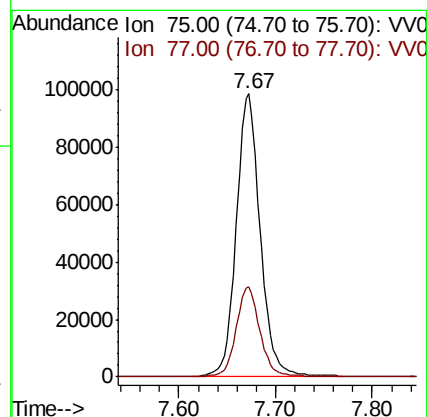
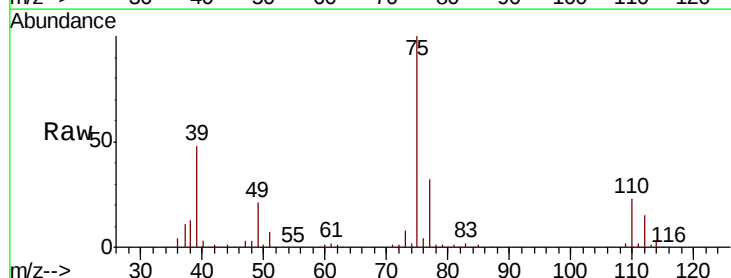
Acq: 26 Oct 2020 17:08

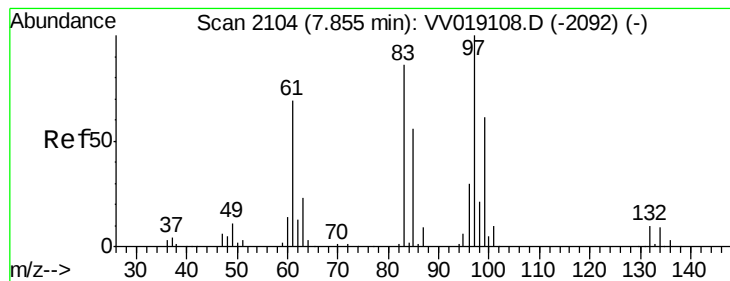
Tgt Ion: 75 Resp: 170268

Ion Ratio Lower Upper

75 100

77 31.9 21.5 39.9





#45

1,1,2-Trichloroethane

Concen: 47.323 ug/L

RT: 7.86 min Scan# 2105

Delta R.T. 0.00 min

Lab File: VV019124.D

Acq: 26 Oct 2020 17:08

Instrument :

MSVOA_V

ClientSampleId :

VSTD05074

Tot Ion: 97 Resp: 99413

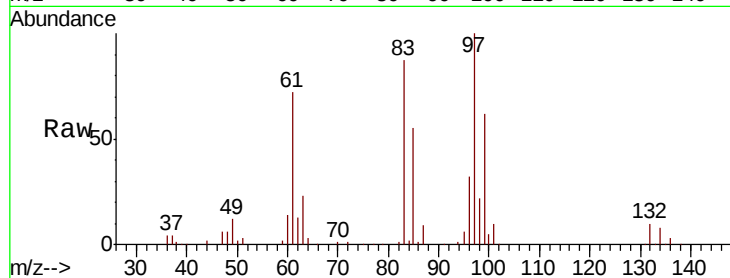
Ion Ratio Lower Upper

97 100

99 61.8 43.5 80.9

83 87.5 62.2 115.4

85 55.2 39.9 74.1

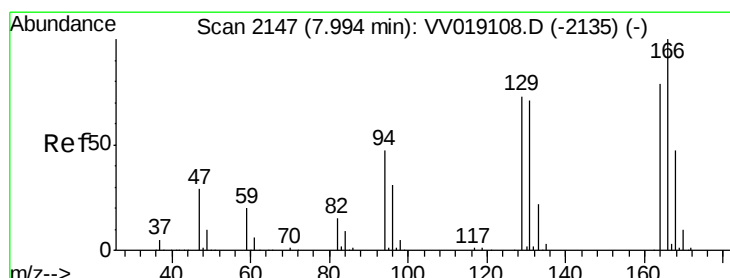
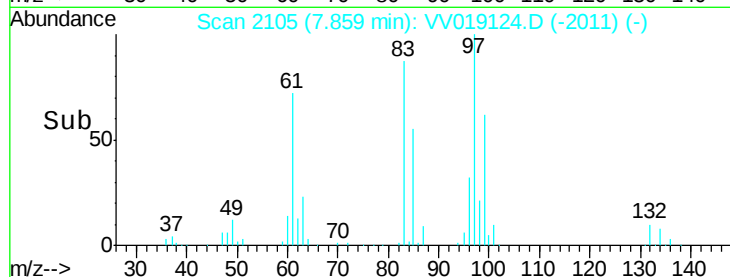
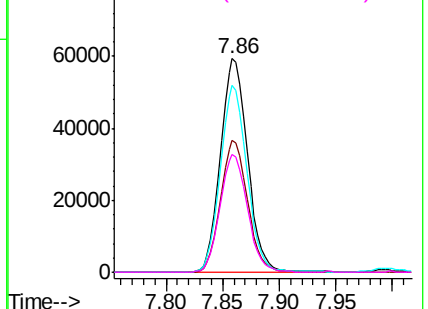


Abundance Ion 97.00 (96.70 to 97.70): VV0

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: 48.790 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. 0.00 min

Lab File: VV019124.D

Acq: 26 Oct 2020 17:08

Tgt Ion: 164 Resp: 81742

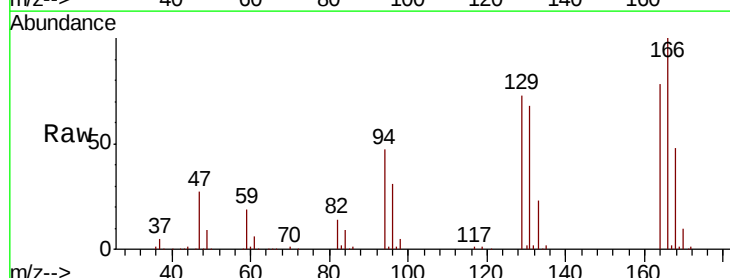
Ion Ratio Lower Upper

164 100

129 92.4 65.5 121.6

131 86.4 62.4 115.8

166 127.4 90.0 167.2

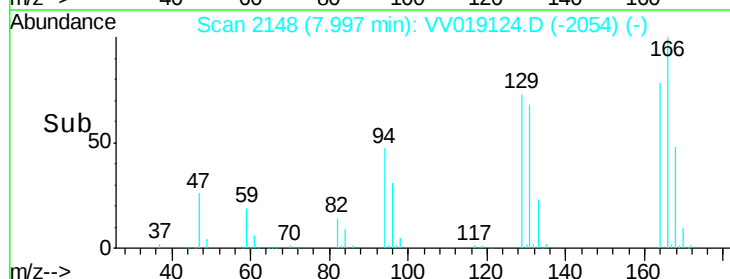
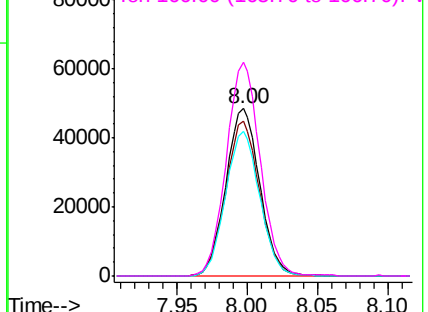


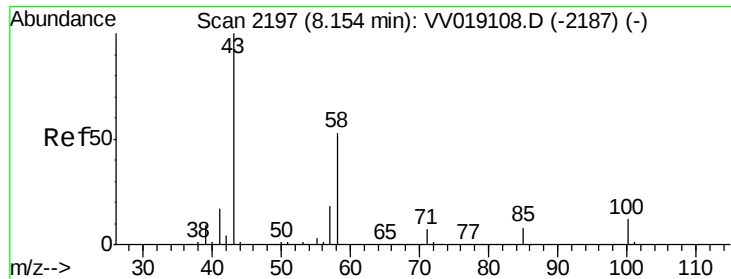
Abundance Ion 164.00 (163.70 to 164.70): V

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

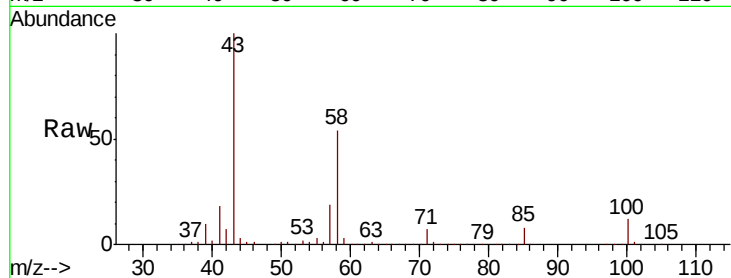




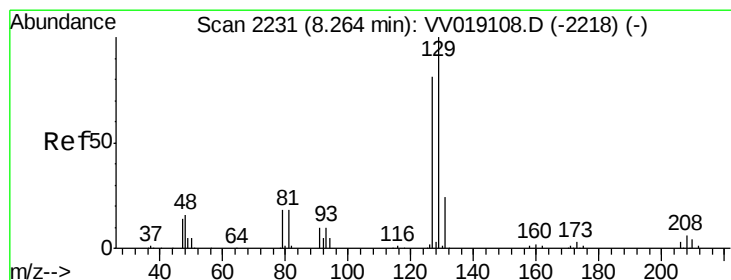
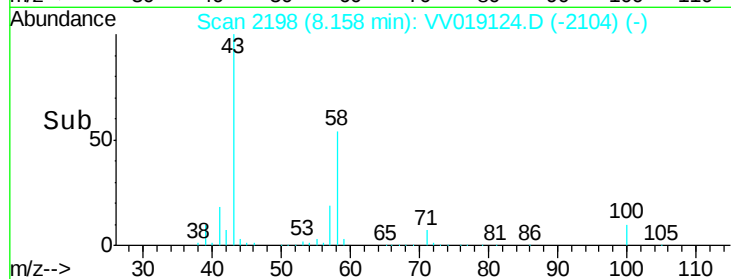
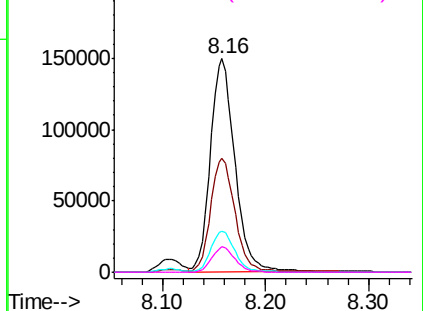
#48
2-Hexanone
Concen: 99.285 ug/L
RT: 8.16 min Scan# 2198
Delta R.T. 0.00 min
Lab File: VV019124.D
Acq: 26 Oct 2020 17:08

Instrument :
MSVOA_V
ClientSampleId :
VSTD05074

Tot Ion: 43 Resp: 245844
Ion Ratio Lower Upper
43 100
58 52.5 41.1 61.7
57 18.8 14.7 22.1
100 11.6 8.6 12.8

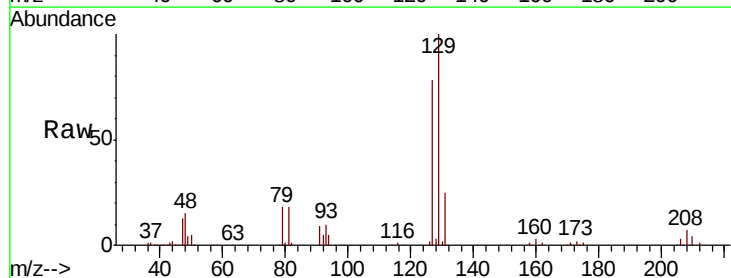


Abundance Ion 43.00 (42.70 to 43.70): VV019124.D (-2187) (-)
Ion 58.00 (57.70 to 58.70): VV019124.D (-2187) (-)
Ion 57.00 (56.70 to 57.70): VV019124.D (-2187) (-)
Ion 100.00 (99.70 to 100.70): VV019124.D (-2187) (-)

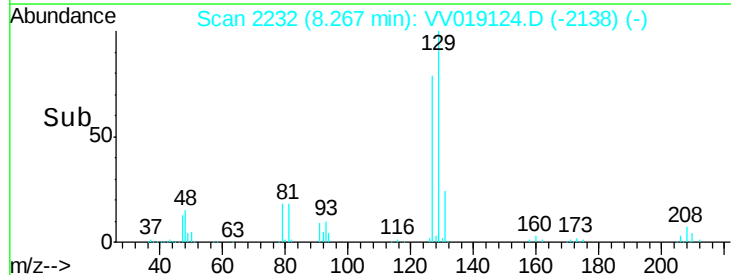
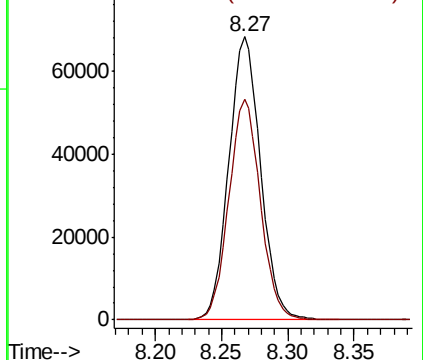


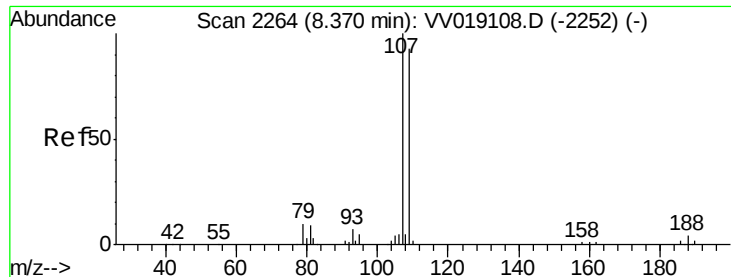
#49
Dibromochloromethane
Concen: 49.583 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. 0.00 min
Lab File: VV019124.D
Acq: 26 Oct 2020 17:08

Tgt Ion: 129 Resp: 113852
Ion Ratio Lower Upper
129 100
127 78.1 53.7 99.7



Abundance Ion 129.00 (128.70 to 129.70): VV019124.D (-2138) (-)
Ion 127.00 (126.70 to 127.70): VV019124.D (-2138) (-)

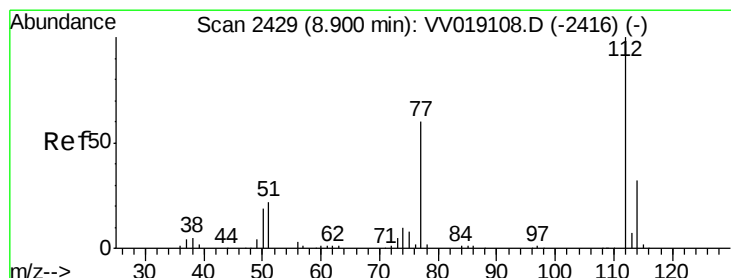
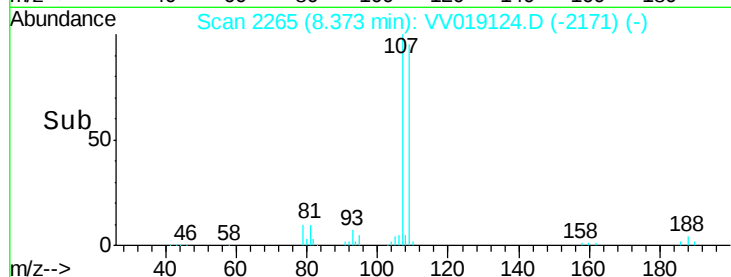
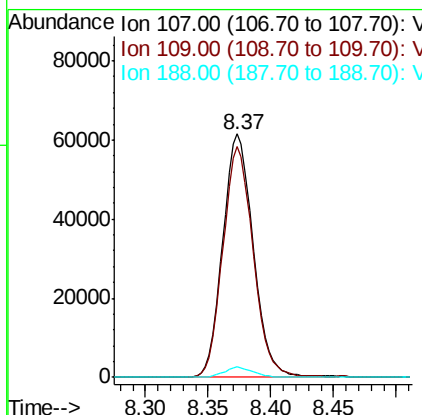
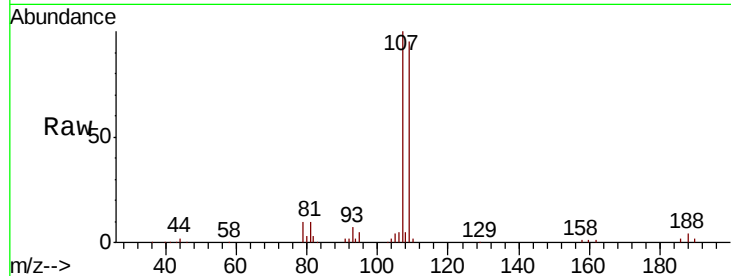




#50
 1,2-Dibromoethane
 Concen: 47.660 ug/L
 RT: 8.37 min Scan# 2265
 Delta R.T. 0.00 min
 Lab File: VV019124.D
 Acq: 26 Oct 2020 17:08

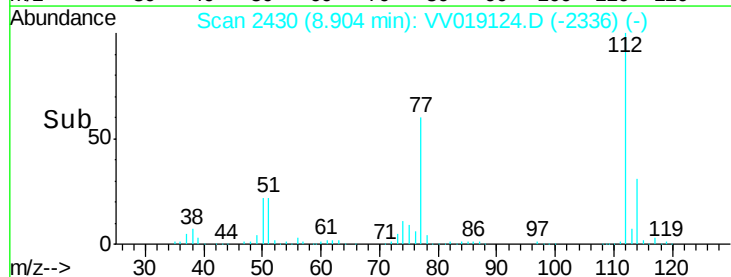
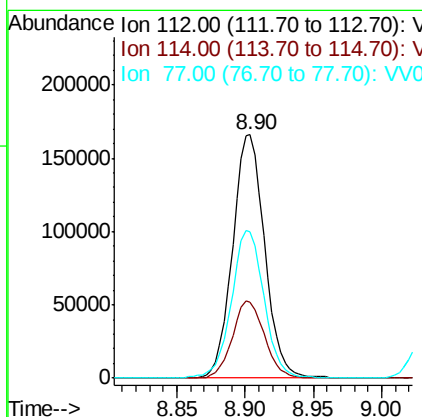
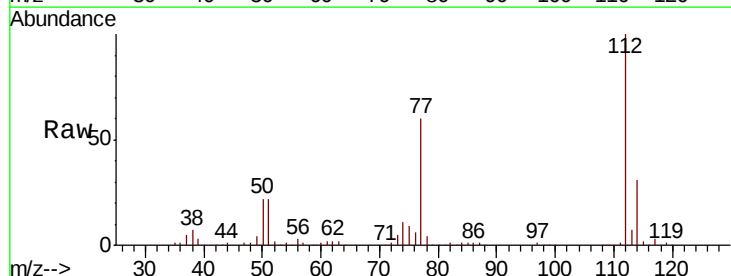
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05074

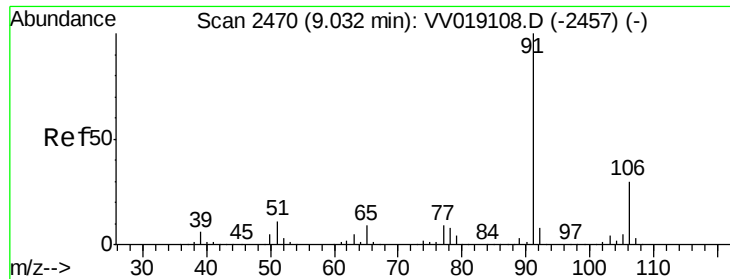
Tot Ion	Ratio	Lower	Upper
107	100		
109	94.6	66.1	122.7
188	4.2	3.2	4.8



#51
 Chlorobenzene
 Concen: 47.640 ug/L
 RT: 8.90 min Scan# 2430
 Delta R.T. 0.00 min
 Lab File: VV019124.D
 Acq: 26 Oct 2020 17:08

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.1	22.2	41.2
77	59.9	49.1	73.7





#52

Ethylbenzene

Concen: 48.516 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. 0.00 min

Lab File: VV019124.D

Acq: 26 Oct 2020 17:08

Instrument :

MSVOA_V

ClientSampleId :

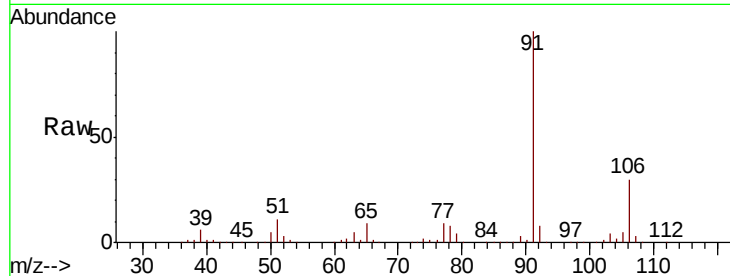
VSTD05074

Tot Ion: 91 Resp: 465252

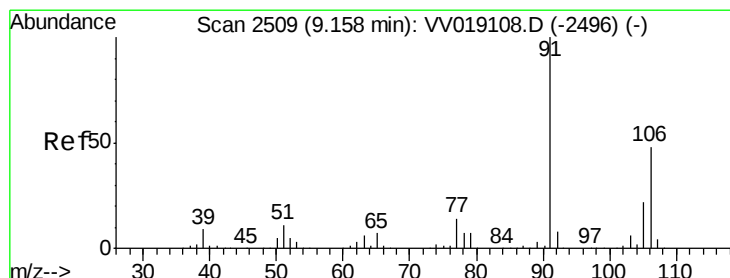
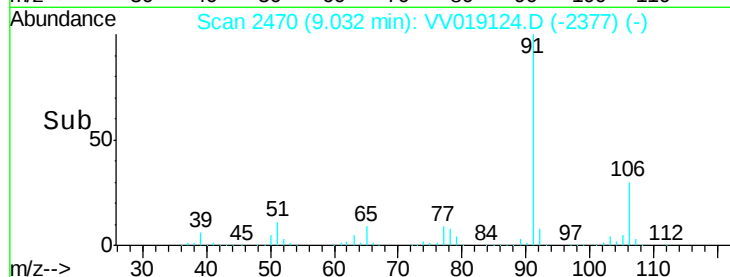
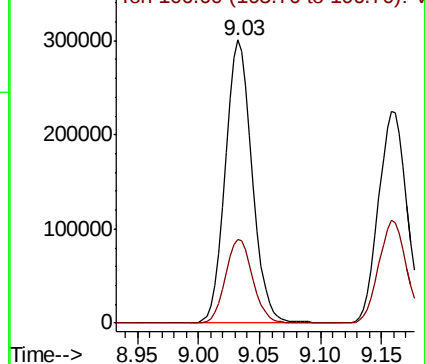
Ion Ratio Lower Upper

91 100

106 29.8 20.9 38.7



Abundance Ion 91.00 (90.70 to 91.70): VV019124.D (-2377) (-)



#53

m,p-Xylene

Concen: 49.072 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VV019124.D

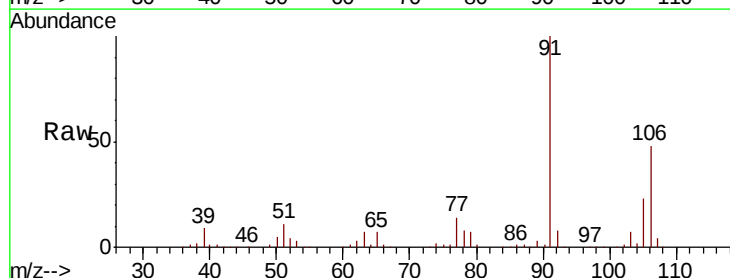
Acq: 26 Oct 2020 17:08

Tgt Ion: 106 Resp: 172268

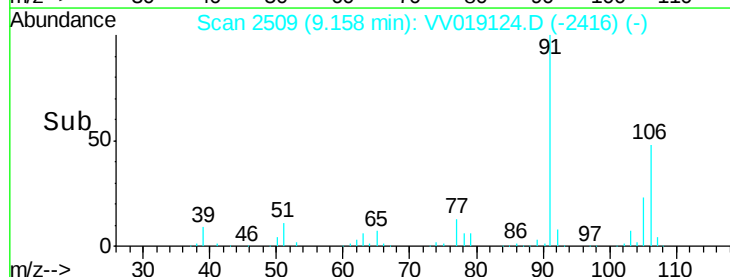
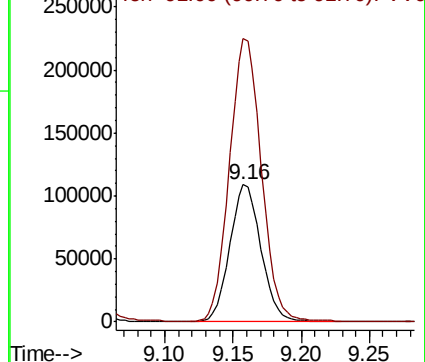
Ion Ratio Lower Upper

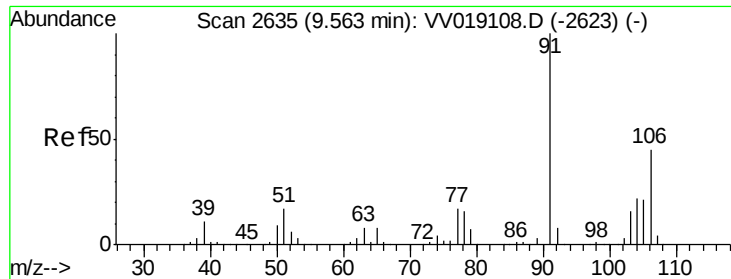
106 100

91 206.4 143.4 266.2



Abundance Ion 106.00 (105.70 to 106.70): VV019124.D (-2416) (-)





#54

o-xylene

Concen: 49.215 ug/L

RT: 9.56 min Scan# 2635

Delta R.T. 0.00 min

Lab File: VV019124.D

Acq: 26 Oct 2020 17:08

Instrument :

MSVOA_V

ClientSampleId :

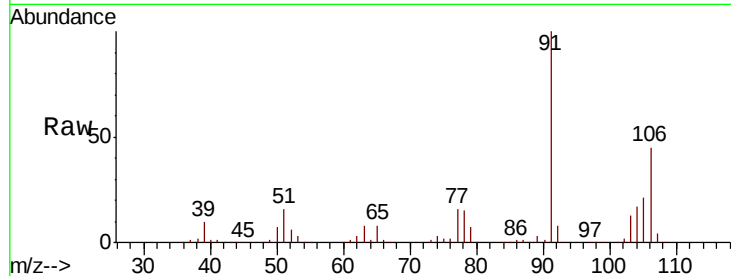
VSTD05074

Tot Ion:106 Resp: 166350

Ion Ratio Lower Upper

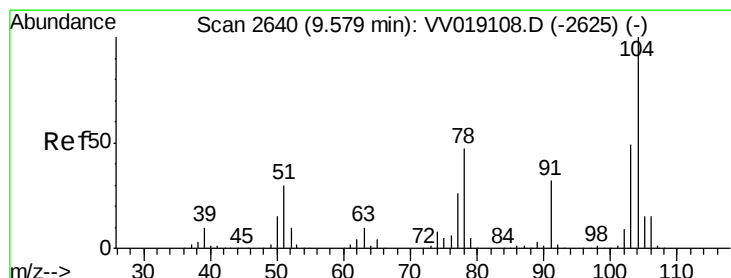
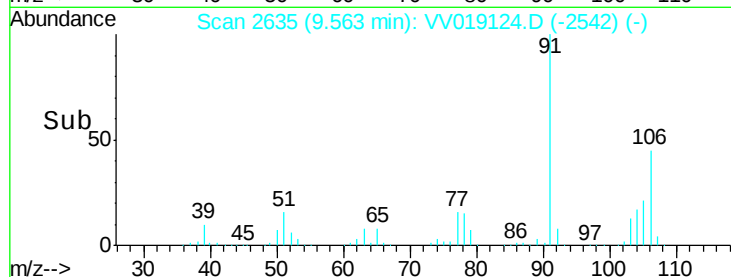
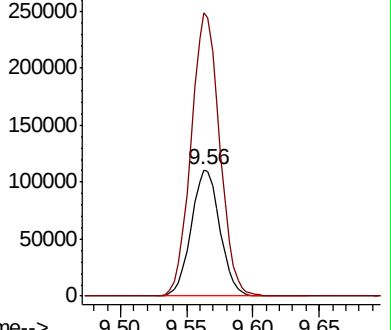
106 100

91 224.4 154.3 286.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 51.142 ug/L

RT: 9.58 min Scan# 2640

Delta R.T. 0.00 min

Lab File: VV019124.D

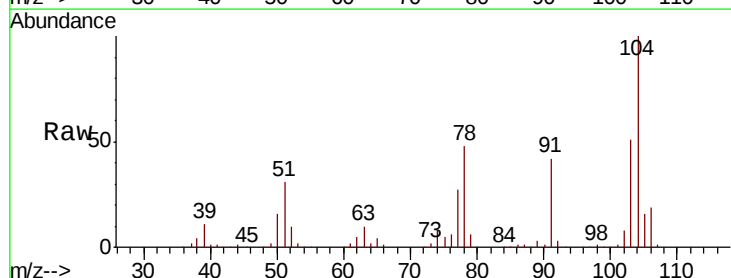
Acq: 26 Oct 2020 17:08

Tgt Ion:104 Resp: 306635

Ion Ratio Lower Upper

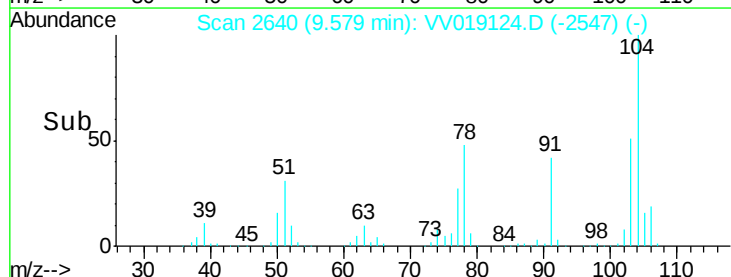
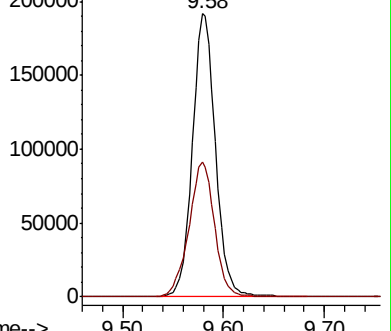
104 100

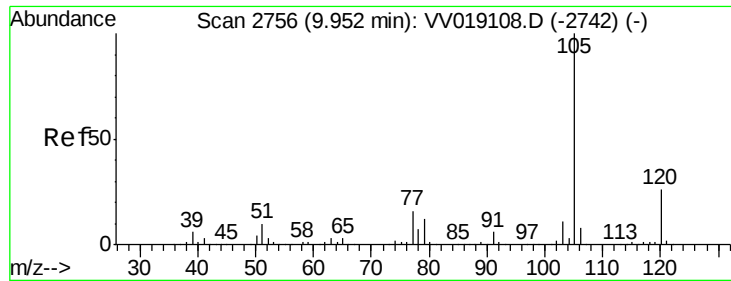
78 47.7 33.2 61.7



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 50.303 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV019124.D

Acq: 26 Oct 2020 17:08

Instrument :

MSVOA_V

ClientSampleId :

VSTD05074

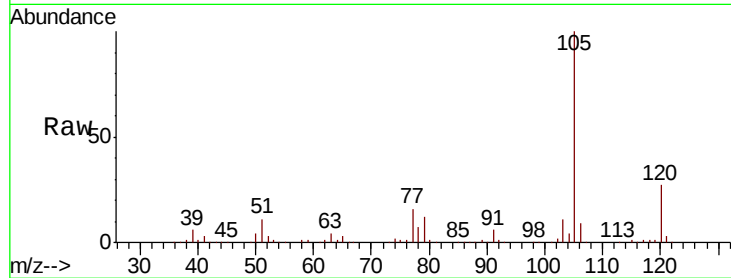
Tot Ion:105 Resp: 447074

Ion Ratio Lower Upper

105 100

120 26.0 20.6 31.0

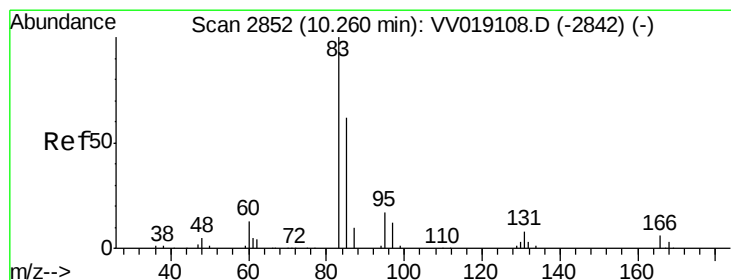
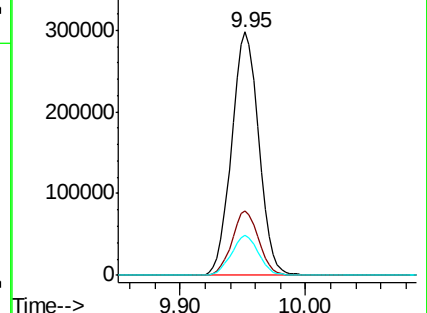
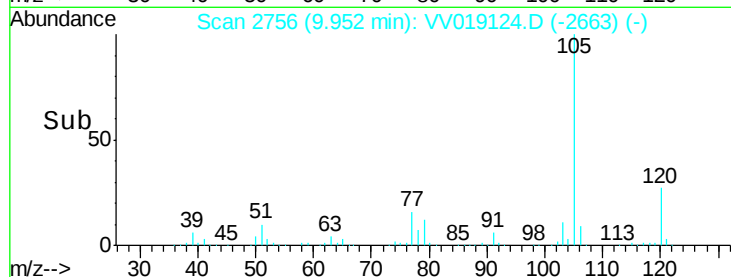
77 16.6 13.4 20.0



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: 46.348 ug/L

RT: 10.26 min Scan# 2852

Delta R.T. 0.00 min

Lab File: VV019124.D

Acq: 26 Oct 2020 17:08

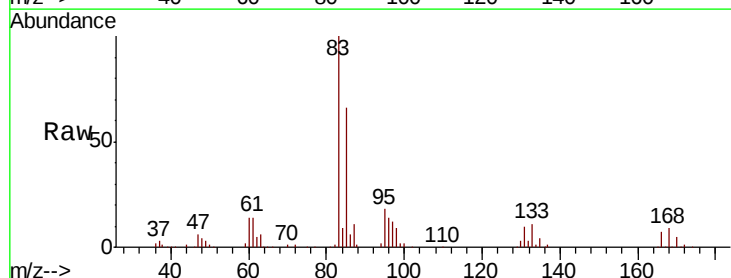
Tgt Ion: 83 Resp: 160208

Ion Ratio Lower Upper

83 100

85 65.6 44.2 82.2

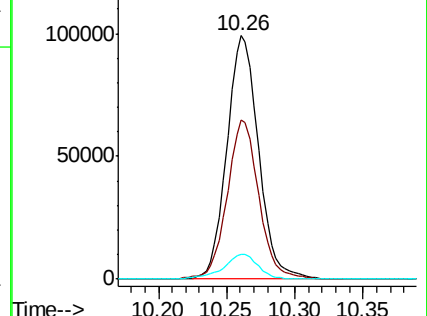
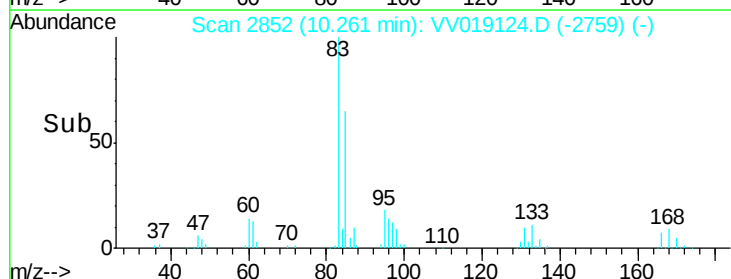
131 10.3 7.4 11.2

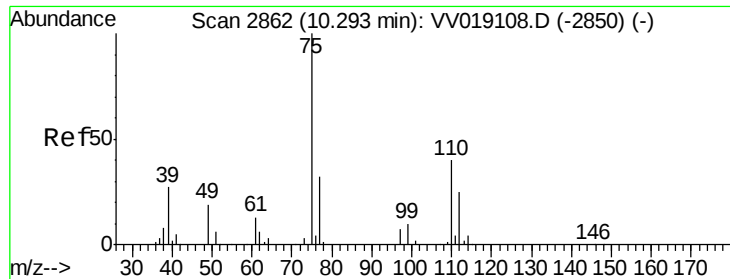


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 47.464 ug/L

RT: 10.29 min Scan# 2862

Delta R.T. 0.00 min

Lab File: VV019124.D

Acq: 26 Oct 2020 17:08

Instrument :

MSVOA_V

ClientSampleId :

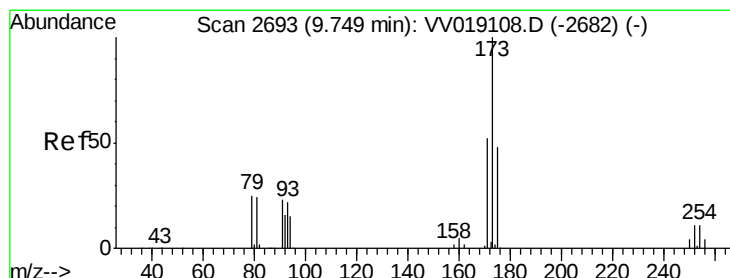
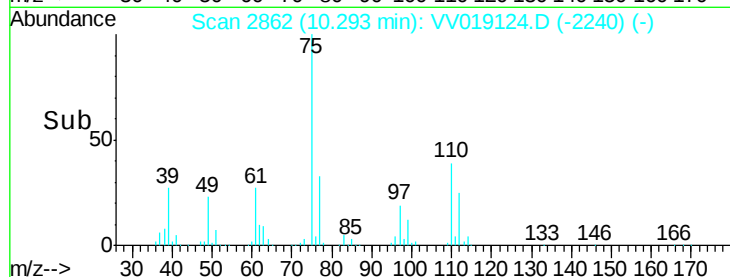
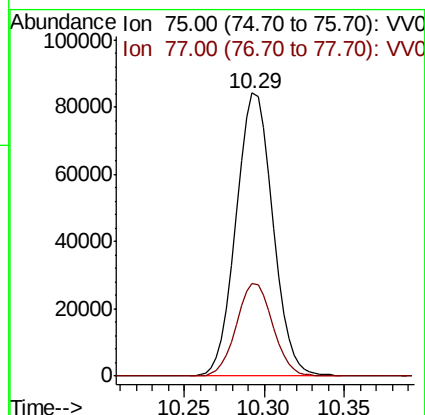
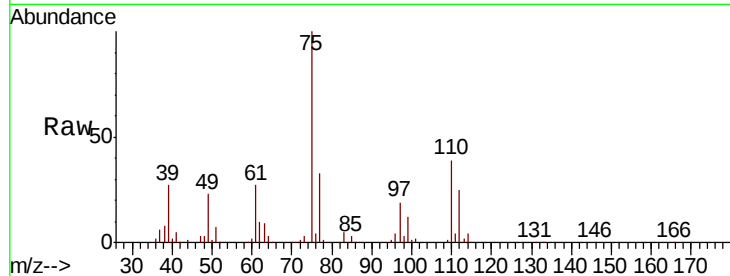
VSTD05074

Tot Ion: 75 Resp: 132006

Ion Ratio Lower Upper

75 100

77 32.6 25.9 38.9



#61

Bromoform

Concen: 49.422 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VV019124.D

Acq: 26 Oct 2020 17:08

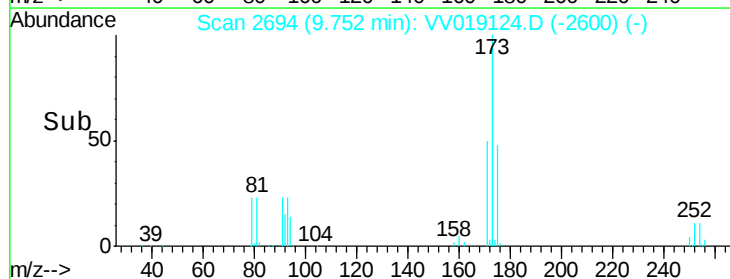
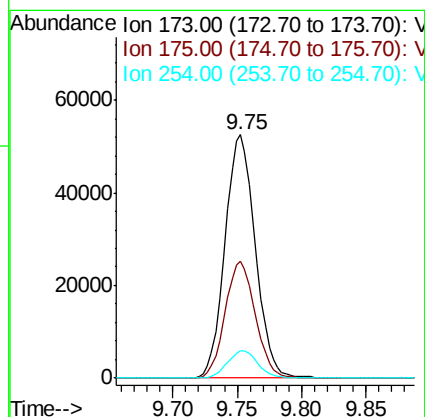
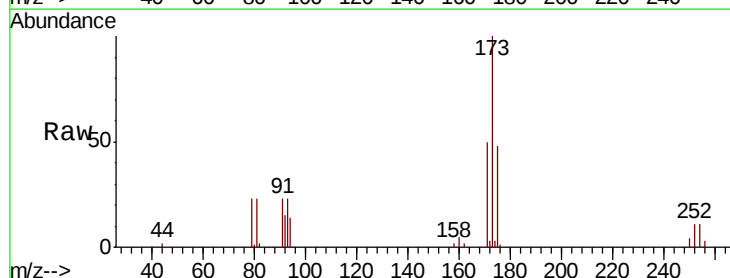
Tgt Ion: 173 Resp: 85551

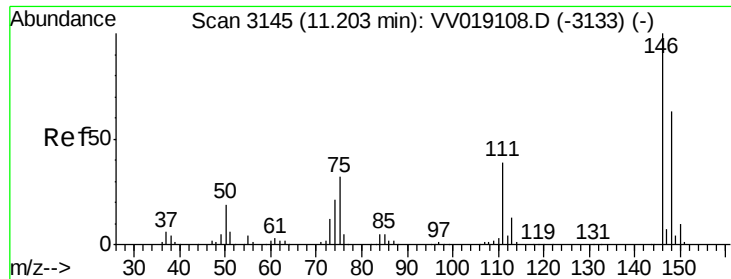
Ion Ratio Lower Upper

173 100

175 48.0 38.3 57.5

254 11.2 8.3 12.5





#62

1,3-Dichlorobenzene

Concen: 47.923 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. 0.00 min

Lab File: VV019124.D

Acq: 26 Oct 2020 17:08

Instrument :

MSVOA_V

ClientSampleId :

VSTD05074

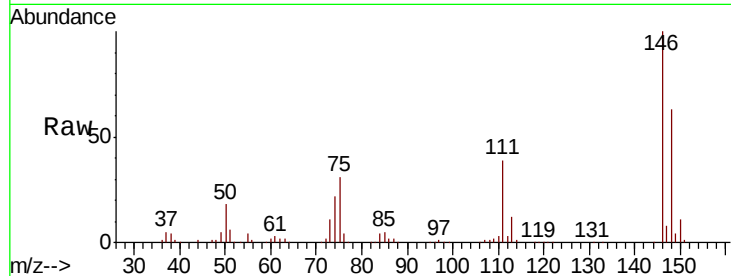
Tot Ion:146 Resp: 221052

Ion Ratio Lower Upper

146 100

111 38.8 28.8 53.4

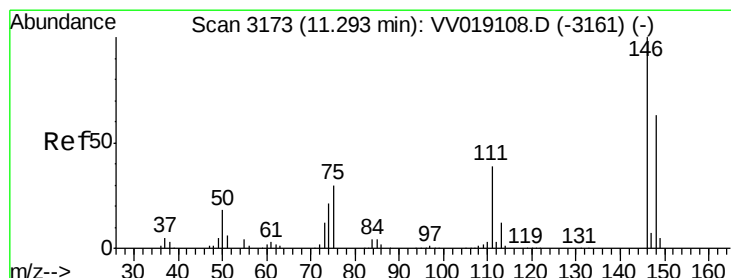
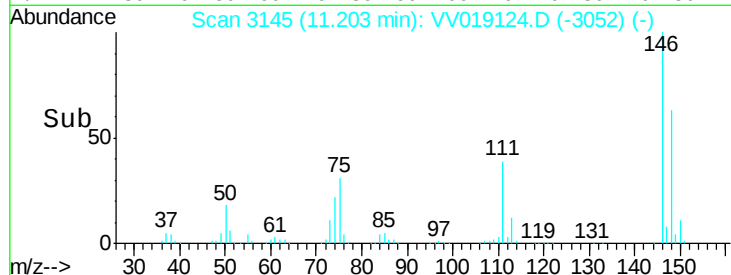
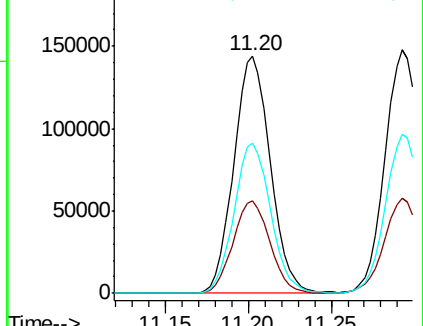
148 63.1 44.5 82.7



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: 47.067 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. 0.00 min

Lab File: VV019124.D

Acq: 26 Oct 2020 17:08

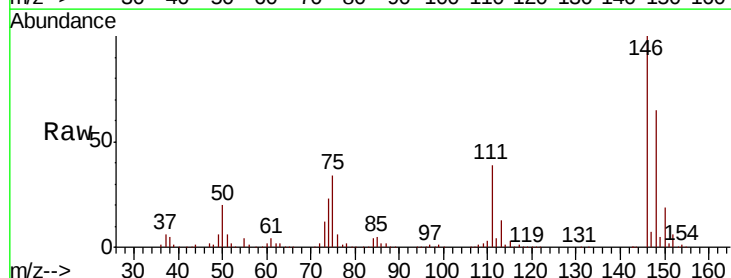
Tgt Ion:146 Resp: 226859

Ion Ratio Lower Upper

146 100

111 39.0 27.8 51.6

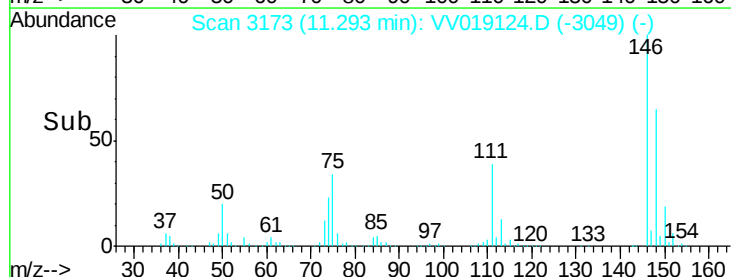
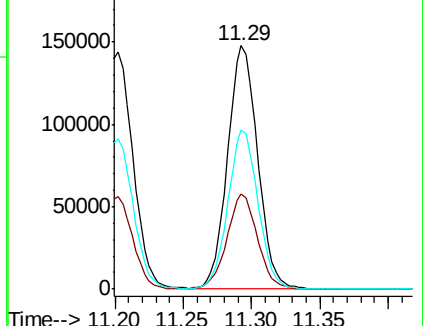
148 65.4 45.1 83.9

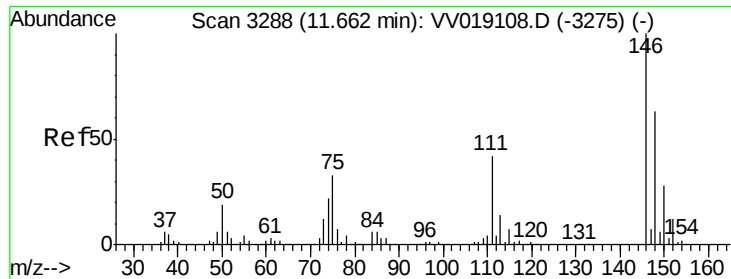


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 47.916 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. 0.00 min

Lab File: VV019124.D

Acq: 26 Oct 2020 17:08

Instrument :

MSVOA_V

ClientSampleId :

VSTD05074

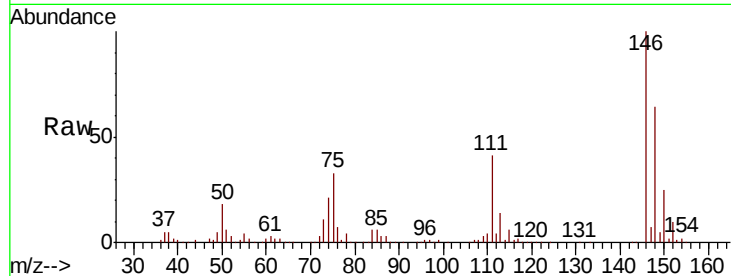
Tot Ion:146 Resp: 222849

Ion Ratio Lower Upper

146 100

111 40.8 33.3 49.9

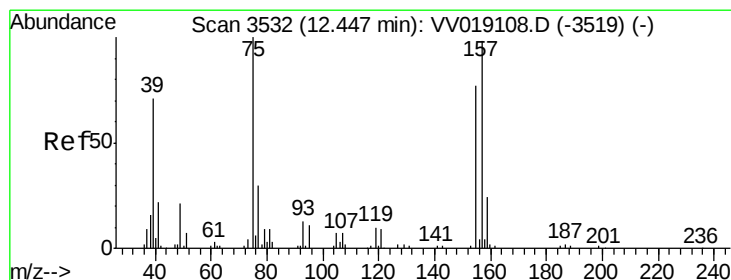
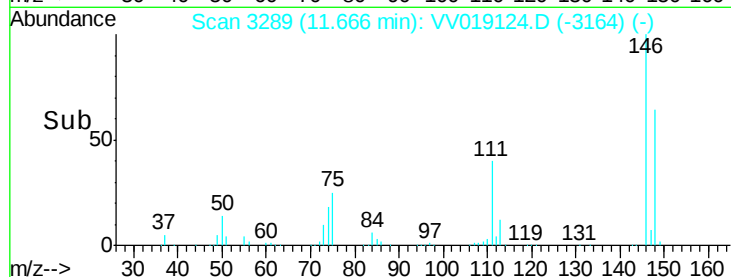
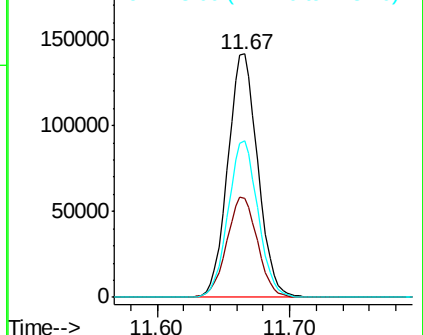
148 64.3 51.1 76.7



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: 48.477 ug/L

RT: 12.45 min Scan# 3533

Delta R.T. 0.00 min

Lab File: VV019124.D

Acq: 26 Oct 2020 17:08

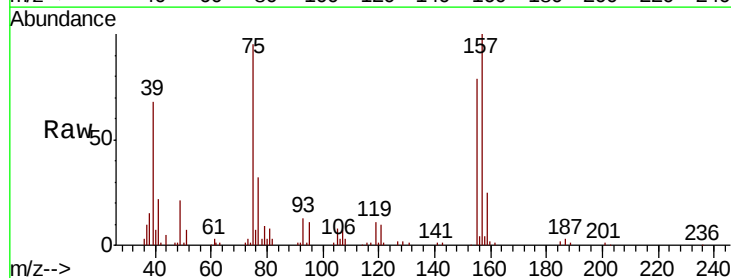
Tgt Ion: 75 Resp: 39832

Ion Ratio Lower Upper

75 100

155 82.7 62.2 93.4

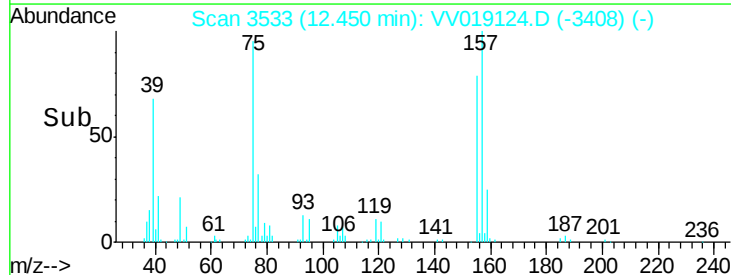
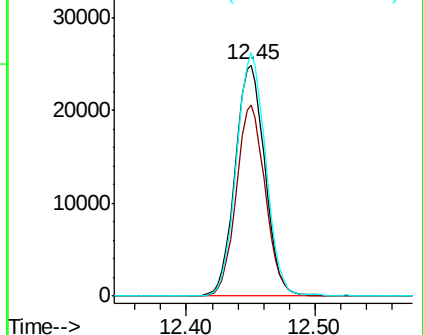
157 105.2 79.9 119.9

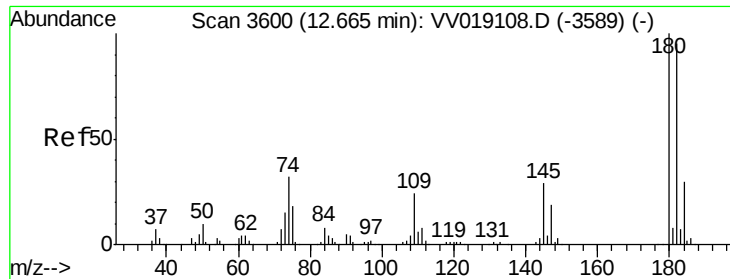


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

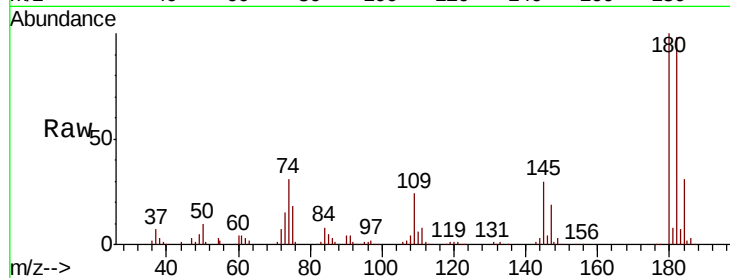




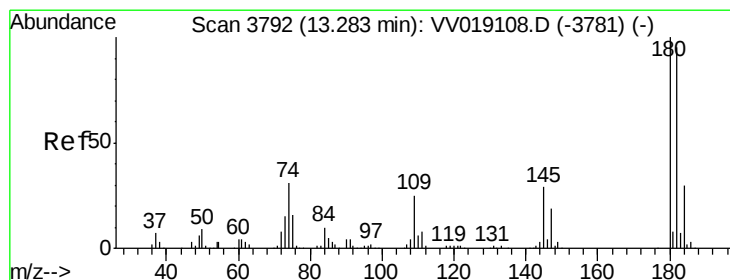
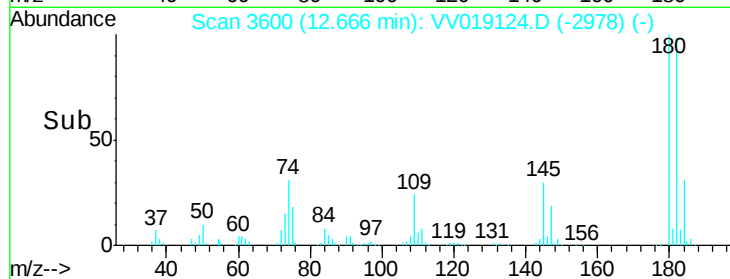
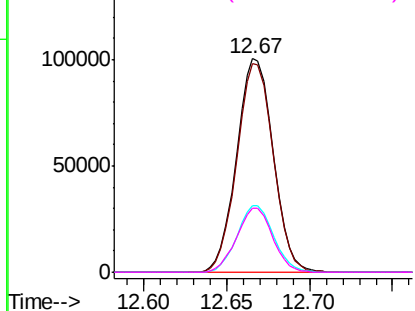
#67
 1,3,5-Trichlorobenzene
 Concen: 49.045 ug/L
 RT: 12.67 min Scan# 3600
 Delta R.T. 0.00 min
 Lab File: VV019124.D
 Acq: 26 Oct 2020 17:08

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05074

Tot Ion:180 Resp: 154478
 Ion Ratio Lower Upper
 180 100
 182 97.2 77.4 116.0
 184 31.0 24.7 37.1
 145 29.4 23.5 35.3

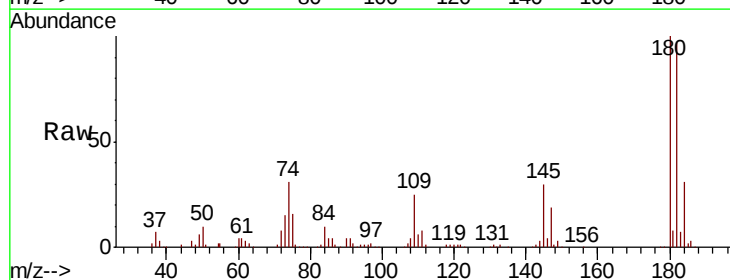


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

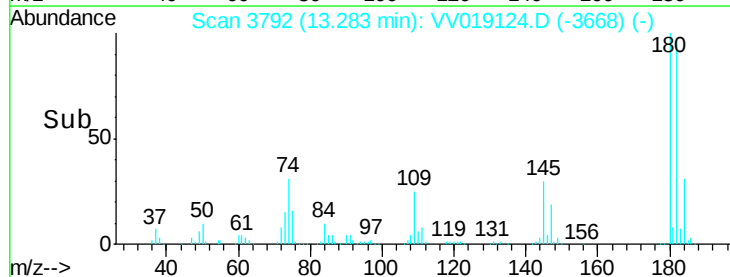
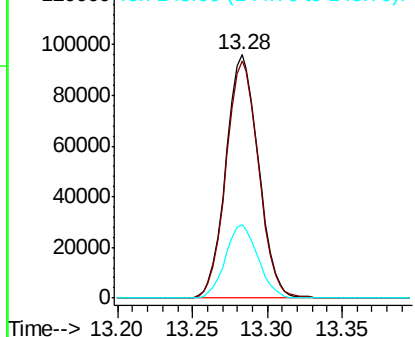


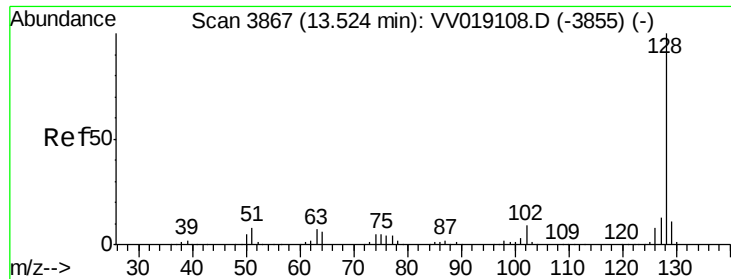
#68
 1,2,4-trichlorobenzene
 Concen: 49.092 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. 0.00 min
 Lab File: VV019124.D
 Acq: 26 Oct 2020 17:08

Tgt Ion:180 Resp: 145809
 Ion Ratio Lower Upper
 180 100
 182 96.9 77.4 116.2
 145 30.0 23.7 35.5



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: 51.636 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. 0.00 min

Lab File: VV019124.D

Acq: 26 Oct 2020 17:08

Instrument :

MSVOA_V

ClientSampleId :

VSTD05074

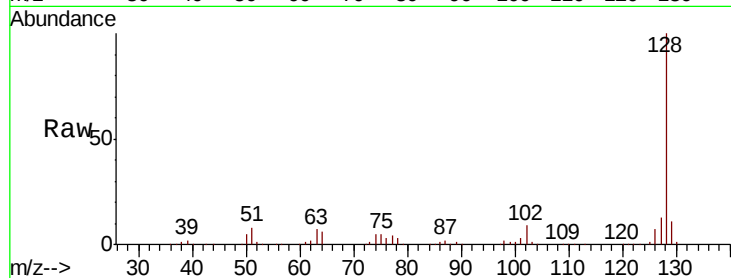
Tot Ion:128 Resp: 472536

Ion Ratio Lower Upper

128 100

127 13.0 10.6 15.8

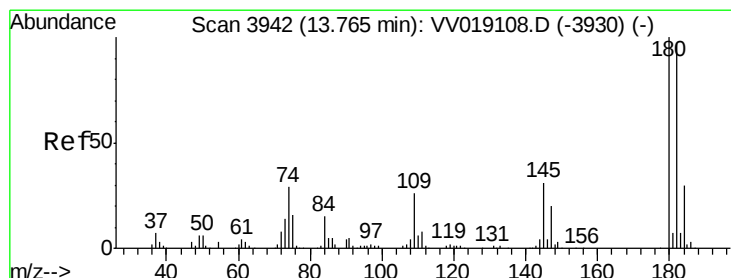
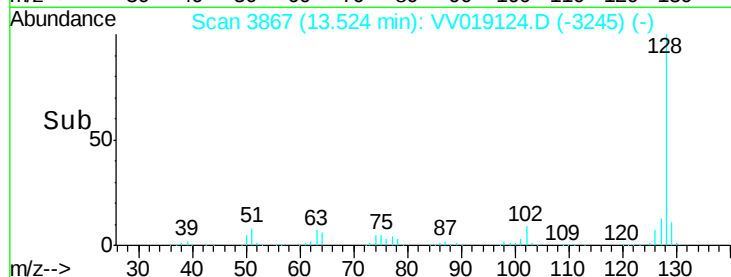
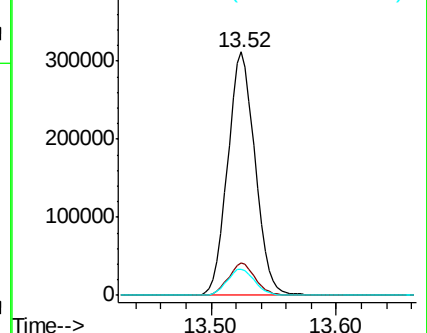
129 10.8 8.7 13.1



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: 49.444 ug/L

RT: 13.77 min Scan# 3942

Delta R.T. 0.00 min

Lab File: VV019124.D

Acq: 26 Oct 2020 17:08

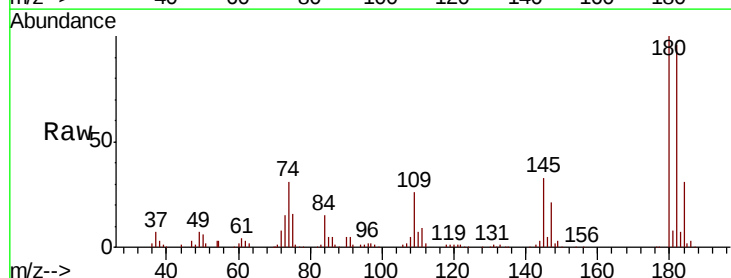
Tgt Ion:180 Resp: 148793

Ion Ratio Lower Upper

180 100

182 95.5 76.9 115.3

145 31.7 25.6 38.4



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

