

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV102920\
 Data File : VV019151.D
 Acq On : 29 Oct 2020 16:28
 Operator : SY/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BFB85

Quant Time: Oct 30 05:31:39 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM102920WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Oct 29 16:00:14 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	237427	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	230627	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	127325	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	89806	47.60	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	95.20%
7) Chloroethane-d5	1.58	69	70663	48.21	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	96.42%
11) 1,1-Dichloroethene-d2	2.12	63	173142	48.24	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.48%
21) 2-Butanone-d5	3.91	46	119887	103.74	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	103.74%
24) Chloroform-d	4.37	84	175442	49.99	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.98%
26) 1,2-Dichloroethane-d4	5.05	65	120875	49.42	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.84%
32) Benzene-d6	5.07	84	323090	49.39	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.78%
36) 1,2-Dichloropropane-d6	6.09	67	96163	49.30	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.60%
41) Toluene-d8	7.34	98	309376	49.23	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.46%
43) trans-1,3-Dichloropropene-	7.64	79	56411	49.98	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	99.96%
47) 2-Hexanone-d5	8.11	63	87817	103.95	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	103.95%
57) 1,1,2,2-Tetrachloroethane-	10.23	84	130414	49.58	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	99.16%
64) 1,2-Dichlorobenzene-d4	11.65	152	127481	47.65	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.30%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	97275	46.660	ug/L 98
3) Chloromethane	1.25	50	87548	46.244	ug/L 99
5) Vinyl chloride	1.32	62	91783	47.354	ug/L 99
6) Bromomethane	1.53	94	61904	47.680	ug/L 98
8) Chloroethane	1.60	64	57997	48.124	ug/L 100
9) Trichlorofluoromethane	1.76	101	152775	47.292	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	72505	46.637	ug/L 99
12) 1,1-Dichloroethene	2.13	96	72824	47.830	ug/L 88
13) Acetone	2.19	43	95741	89.176	ug/L 97
14) Carbon disulfide	2.31	76	230759	47.682	ug/L 100
15) Methyl Acetate	2.45	43	85222	49.256	ug/L 100
16) Methylene chloride	2.52	84	83169	48.105	ug/L 99
17) trans-1,2-Dichloroethene	2.78	96	78973	48.292	ug/L 97
18) Methyl tert-butyl Ether	2.78	73	267997	48.942	ug/L 99
19) 1,1-Dichloroethane	3.21	63	146729	48.160	ug/L 100
20) cis-1,2-Dichloroethene	3.94	96	85390	47.578	ug/L 99
22) 2-Butanone	3.99	43	120154	102.748	ug/L 98

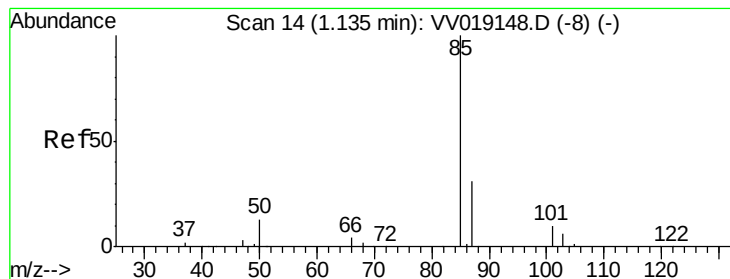
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV102920\
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 Quant Title : VOC Analysis
 QLast Update : Thu Oct 29 16:00:14 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.27	128	46603	48.389	ug/L	98
25) Chloroform	4.40	83	157832	47.939	ug/L	99
27) 1,2-Dichloroethane	5.15	62	133479	47.621	ug/L	99
29) Cyclohexane	4.70	56	123476	47.958	ug/L	98
30) 1,1,1-Trichloroethane	4.63	97	147982	47.350	ug/L	100
31) Carbon tetrachloride	4.85	117	131777	47.550	ug/L	100
33) Benzene	5.12	78	316671	47.623	ug/L	100
34) Trichloroethene	5.94	95	86013	47.218	ug/L	99
35) Methylcyclohexane	6.15	83	118266	48.092	ug/L	100
37) 1,2-Dichloropropane	6.20	63	79286	48.013	ug/L	99
38) Bromodichloromethane	6.53	83	117375	47.781	ug/L	99
39) cis-1,3-Dichloropropene	7.05	75	134895	49.455	ug/L	99
40) 4-Methyl-2-pentanone	7.24	43	227421	99.831	ug/L	99
42) Toluene	7.41	91	350731	48.114	ug/L	99
44) trans-1,3-Dichloropropene	7.67	75	138971	48.978	ug/L	98
45) 1,1,2-Trichloroethane	7.86	97	80159	48.400	ug/L	99
46) Tetrachloroethene	8.00	164	72716	46.748	ug/L	99
48) 2-Hexanone	8.16	43	178993	98.854	ug/L	98
49) Dibromochloromethane	8.27	129	97353	48.549	ug/L	100
50) 1,2-Dibromoethane	8.37	107	85466	48.368	ug/L	99
51) Chlorobenzene	8.90	112	227215	47.542	ug/L	99
52) Ethylbenzene	9.03	91	387958	48.299	ug/L	100
53) m,p-Xylene	9.16	106	146700	48.354	ug/L	98
54) o-xylene	9.56	106	141892	48.713	ug/L	100
55) Styrene	9.58	104	251839	48.781	ug/L	100
56) Isopropylbenzene	9.95	105	380636	48.625	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	122909	48.737	ug/L	98
59) 1,2,3-Trichloropropane	10.29	75	103101	47.759	ug/L	100
61) Bromoform	9.75	173	75363	47.983	ug/L	98
62) 1,3-Dichlorobenzene	11.20	146	191711	47.735	ug/L	100
63) 1,4-Dichlorobenzene	11.29	146	198209	47.489	ug/L	98
65) 1,2-Dichlorobenzene	11.67	146	188016	47.258	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.45	75	31954	46.940	ug/L	98
67) 1,3,5-Trichlorobenzene	12.67	180	139143	47.065	ug/L	99
68) 1,2,4-trichlorobenzene	13.28	180	134818	48.672	ug/L	99
69) Naphthalene	13.52	128	405834	52.309	ug/L	99
70) 1,2,3-Trichlorobenzene	13.77	180	134665	49.680	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 46.660 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV019151.D

Acq: 29 Oct 2020 16:28

Instrument :

MSVOA_V

ClientSampleId :

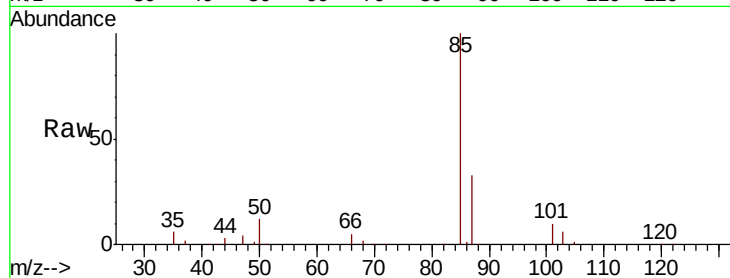
BFB85

Tot Ion: 85 Resp: 97275

Ion Ratio Lower Upper

85 100

87 32.7 25.3 37.9



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0

120000

100000

80000

60000

40000

20000

0

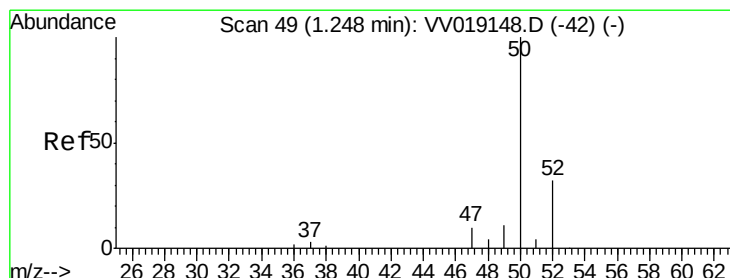
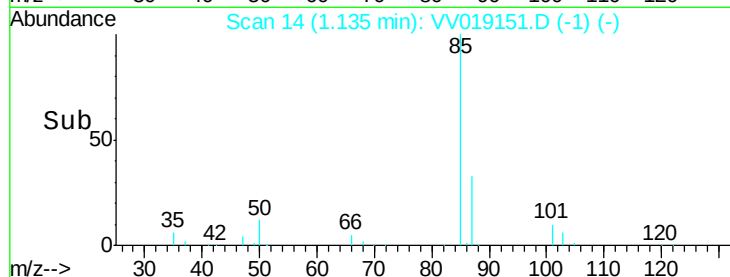
1.10

1.14

1.15

1.20

Time-->



#3

Chloromethane

Concen: 46.244 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV019151.D

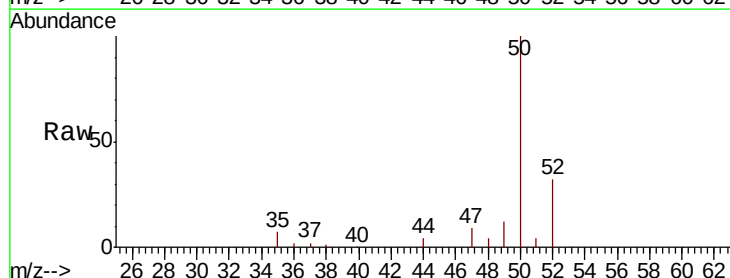
Acq: 29 Oct 2020 16:28

Tgt Ion: 50 Resp: 87548

Ion Ratio Lower Upper

50 100

52 32.3 22.1 41.1



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0

100000

80000

60000

40000

20000

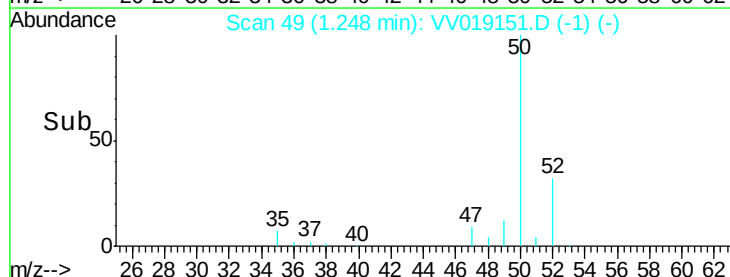
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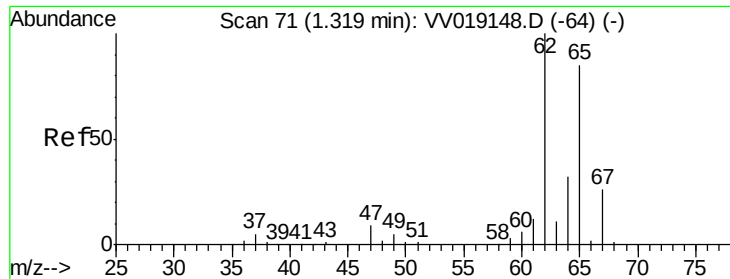
1.20

1.25

1.30

Time-->

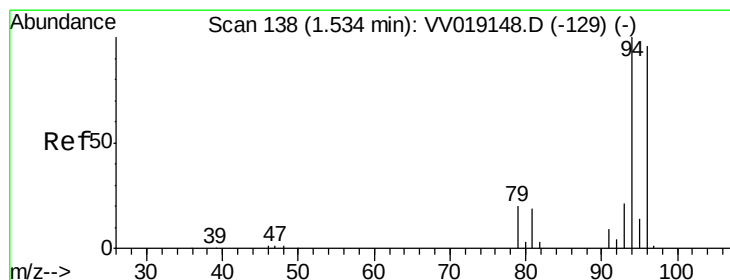
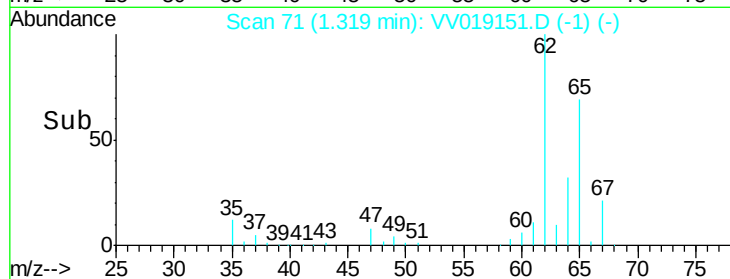
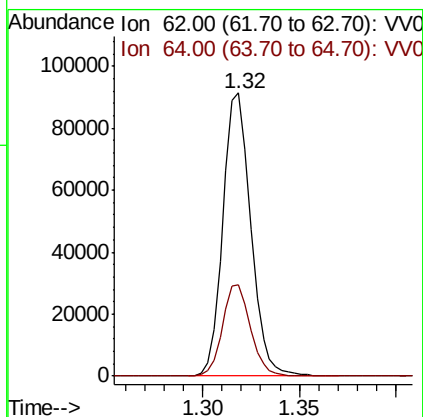
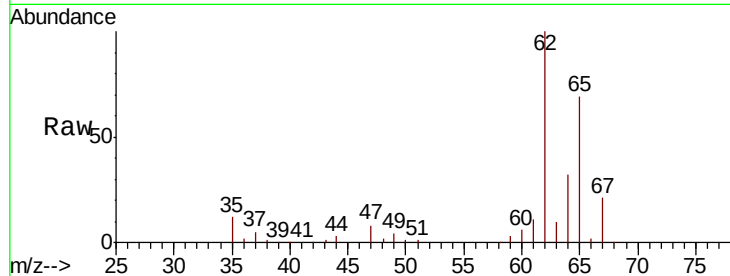




#5
 Vinyl chloride
 Concen: 47.354 ug/L
 RT: 1.32 min Scan# 71
 Delta R.T. 0.00 min
 Lab File: VV019151.D
 Acq: 29 Oct 2020 16:28

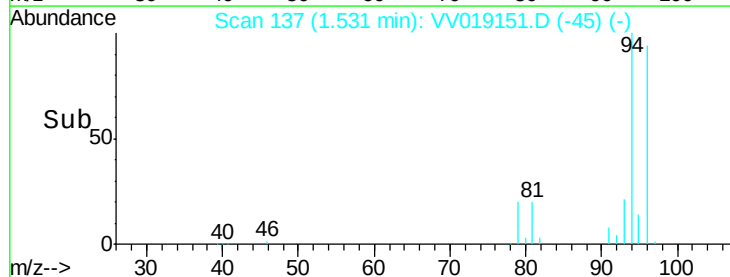
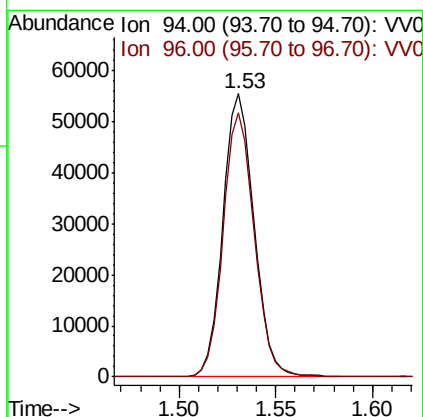
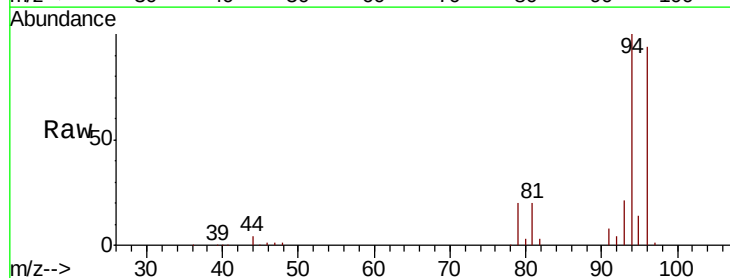
Instrument :
 MSVOA_V
 ClientSampled :
 BFB85

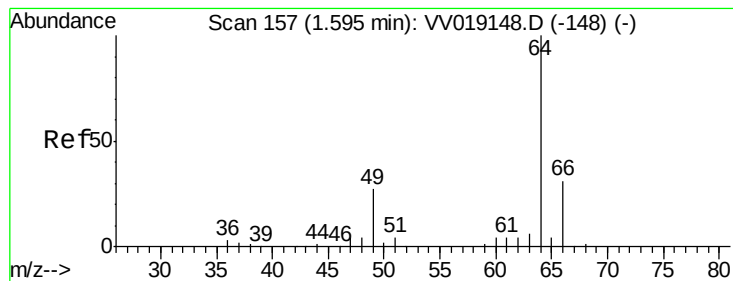
Tot Ion: 62 Resp: 91783
 Ion Ratio Lower Upper
 62 100
 64 32.2 22.7 42.3



#6
 Bromomethane
 Concen: 47.680 ug/L
 RT: 1.53 min Scan# 137
 Delta R.T. -0.00 min
 Lab File: VV019151.D
 Acq: 29 Oct 2020 16:28

Tgt Ion: 94 Resp: 61904
 Ion Ratio Lower Upper
 94 100
 96 93.6 67.0 124.4





#8

Chloroethane

Concen: 48.124 ug/L

RT: 1.60 min Scan# 157

Delta R.T. 0.00 min

Lab File: VV019151.D

Acq: 29 Oct 2020 16:28

Instrument :

MSVOA_V

ClientSampleId :

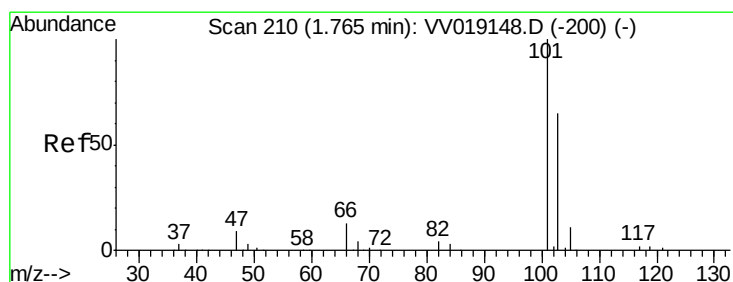
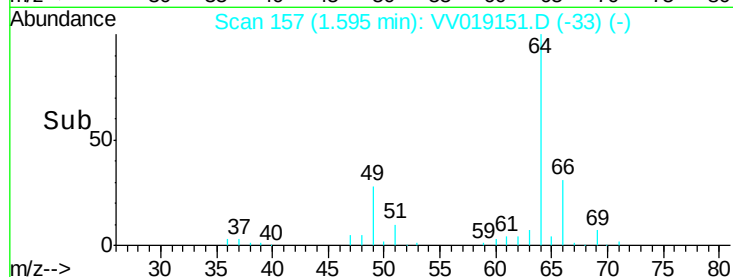
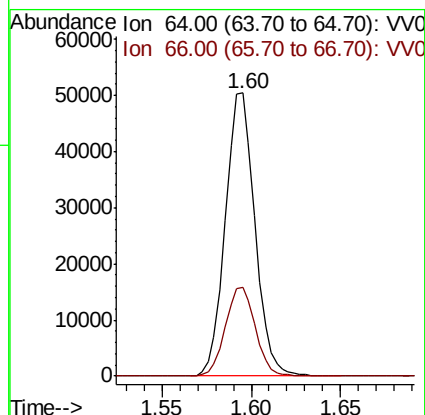
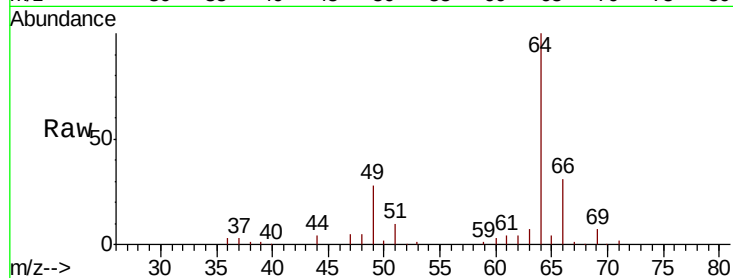
BFB85

Tot Ion: 64 Resp: 57997

Ion Ratio Lower Upper

64 100

66 31.3 22.0 40.8



#9

Trichlorofluoromethane

Concen: 47.292 ug/L

RT: 1.76 min Scan# 209

Delta R.T. -0.00 min

Lab File: VV019151.D

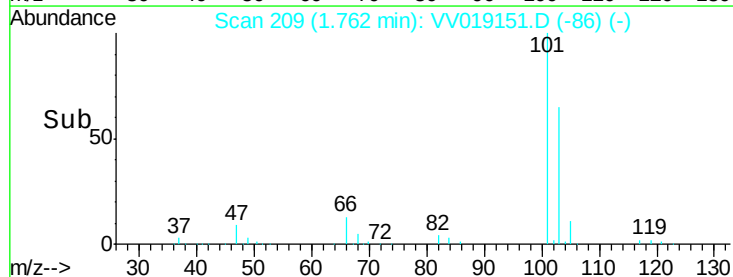
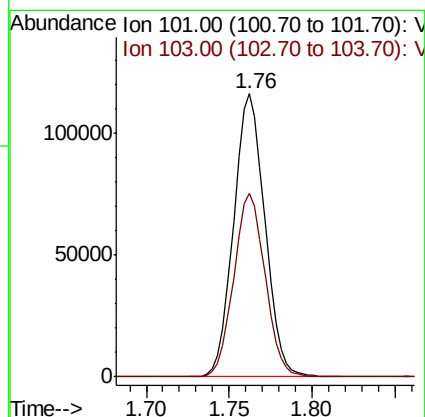
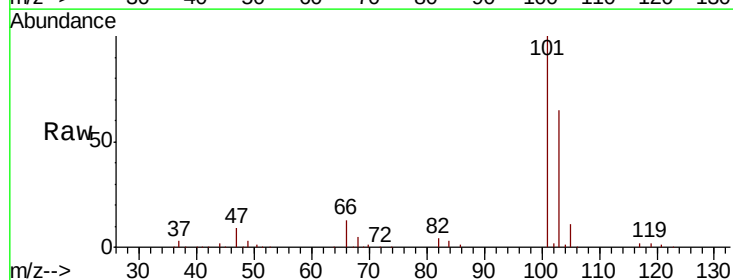
Acq: 29 Oct 2020 16:28

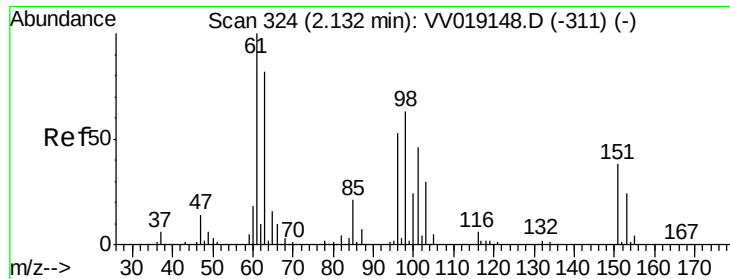
Tgt Ion: 101 Resp: 152775

Ion Ratio Lower Upper

101 100

103 65.0 51.9 77.9





#10

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

Concen: 46.637 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV019151.D

Acq: 29 Oct 2020 16:28

Instrument :

MSVOA_V

ClientSampled :

BFB85

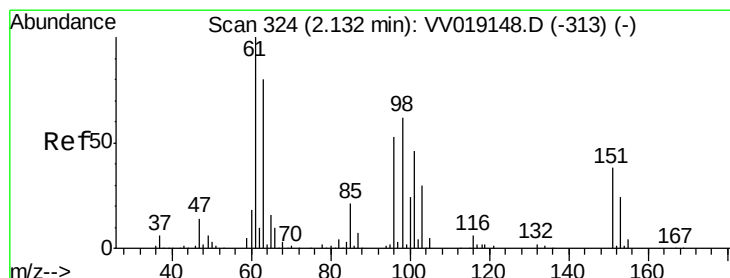
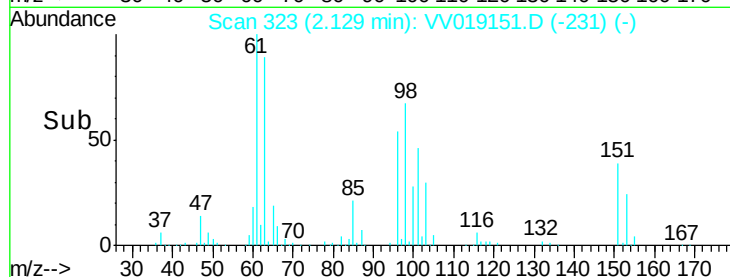
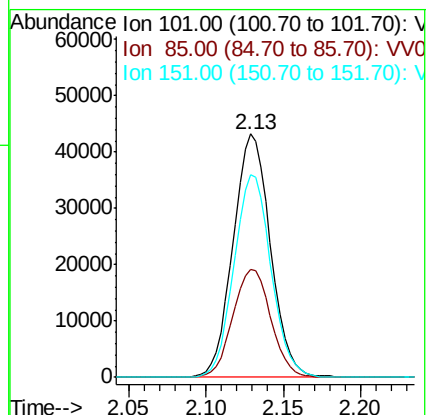
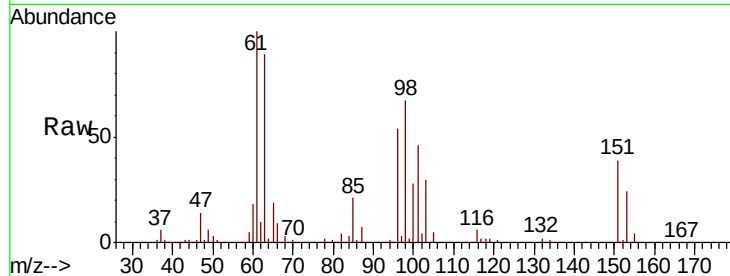
Tot Ion:101 Resp: 72505

Ion Ratio Lower Upper

101 100

85 45.2 36.1 54.1

151 82.4 65.0 97.4



#12

1,1-Dichloroethene

Concen: 47.830 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV019151.D

Acq: 29 Oct 2020 16:28

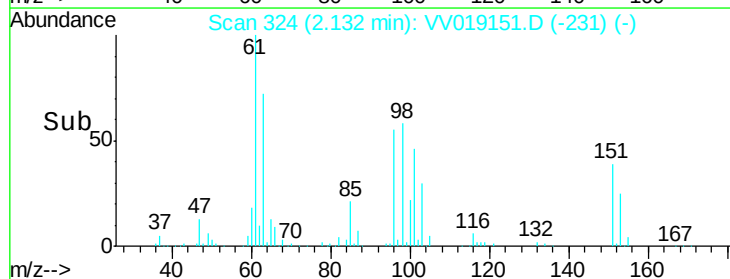
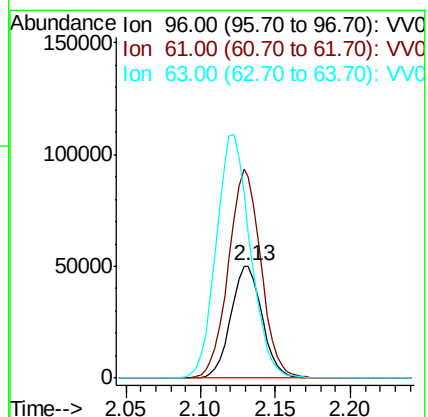
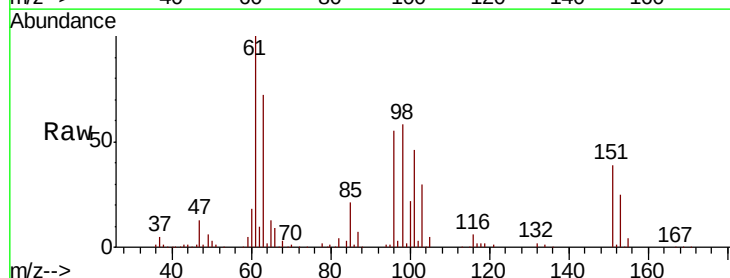
Tgt Ion: 96 Resp: 72824

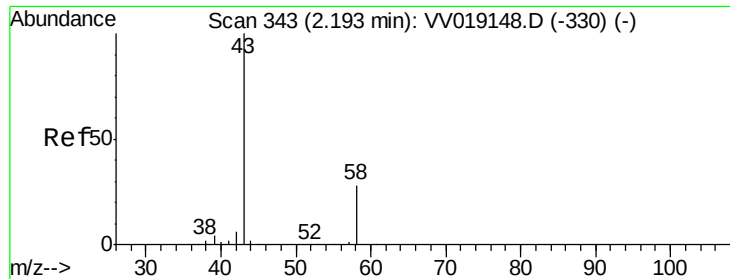
Ion Ratio Lower Upper

96 100

61 180.3 132.6 246.2

63 130.1 108.4 201.4





#13

Acetone

Concen: 89.176 ug/L

RT: 2.19 min Scan# 343

Delta R.T. -0.00 min

Lab File: VV019151.D

Acq: 29 Oct 2020 16:28

Instrument :

MSVOA_V

ClientSampleId :

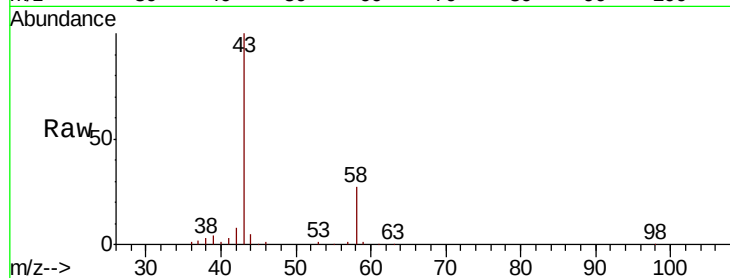
BFB85

Tot Ion: 43 Resp: 95741

Ion Ratio Lower Upper

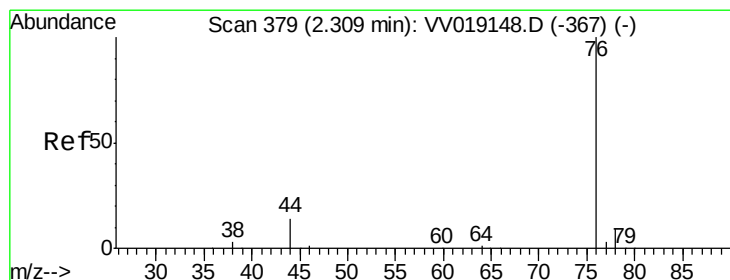
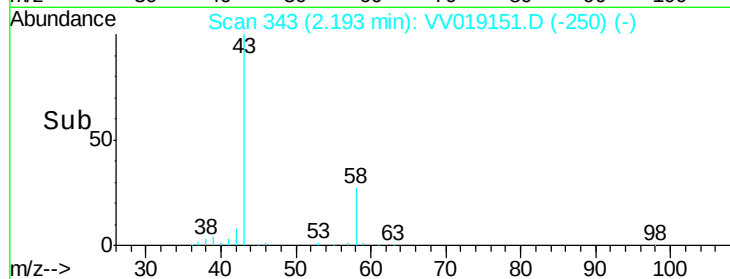
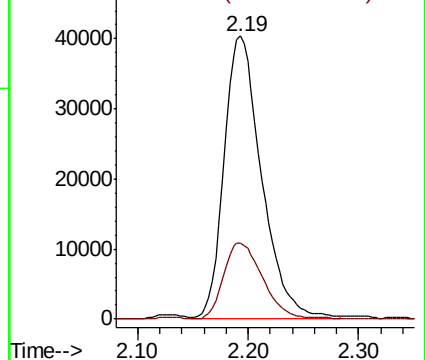
43 100

58 28.1 0.0 59.4



Abundance Ion 43.00 (42.70 to 43.70): VV019151.D (-250) (-)

Ion 58.00 (57.70 to 58.70): VV019151.D (-250) (-)



#14

Carbon disulfide

Concen: 47.682 ug/L

RT: 2.31 min Scan# 379

Delta R.T. -0.00 min

Lab File: VV019151.D

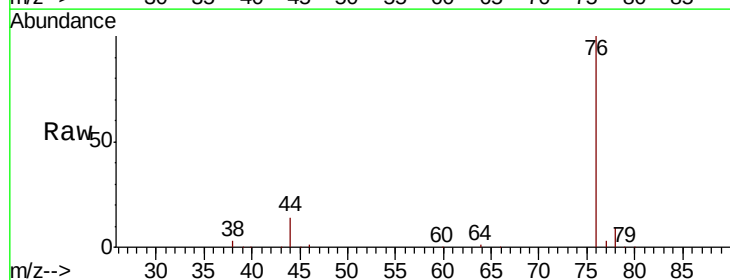
Acq: 29 Oct 2020 16:28

Tgt Ion: 76 Resp: 230759

Ion Ratio Lower Upper

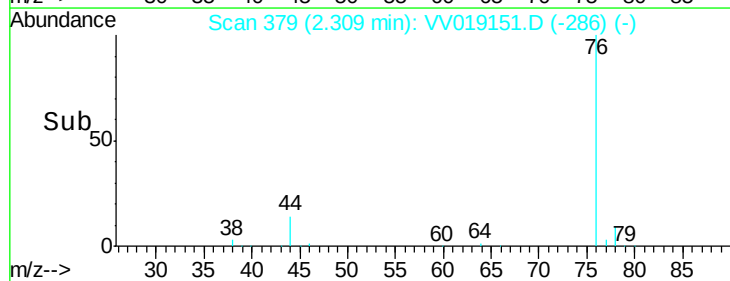
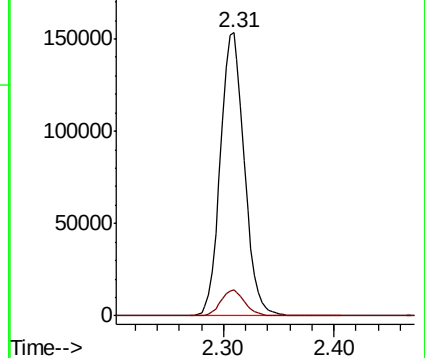
76 100

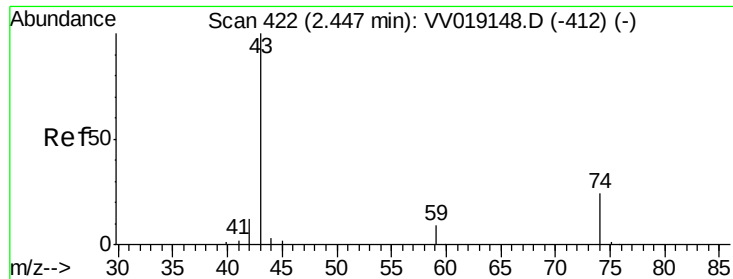
78 9.2 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VV019151.D (-286) (-)

Ion 78.00 (77.70 to 78.70): VV019151.D (-286) (-)

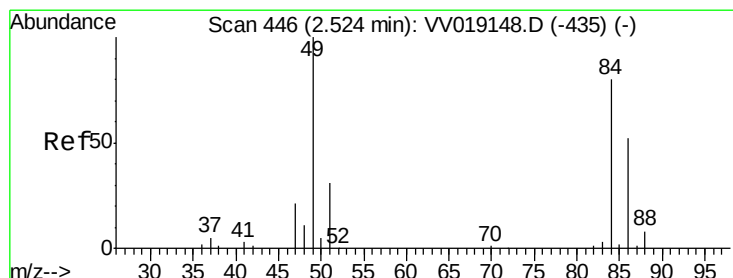
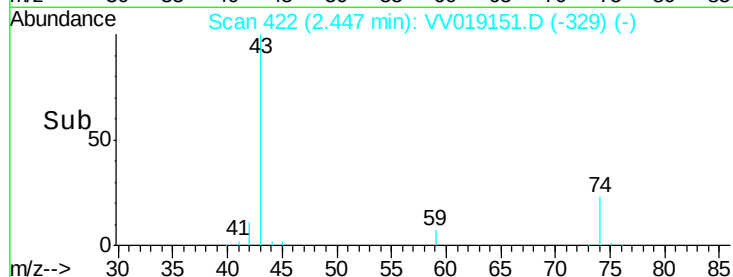
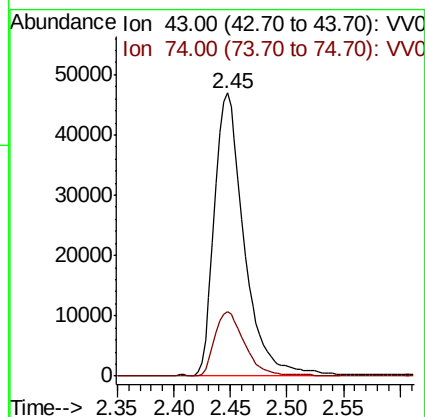
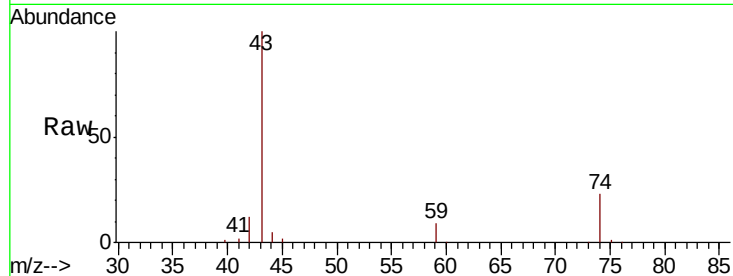




#15
Methvl Acetate
Concen: 49.256 ug/L
RT: 2.45 min Scan# 422
Delta R.T. 0.00 min
Lab File: VV019151.D
Acq: 29 Oct 2020 16:28

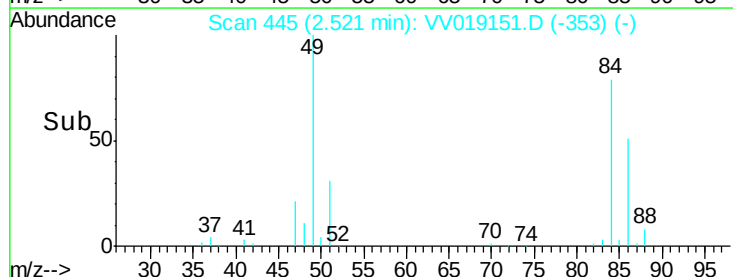
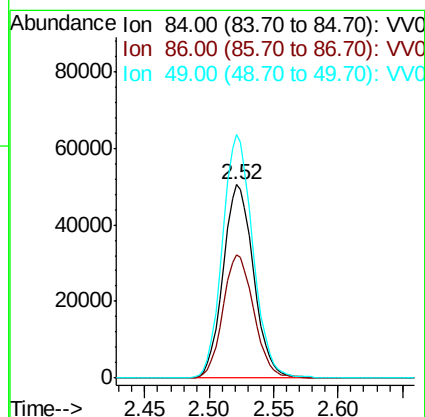
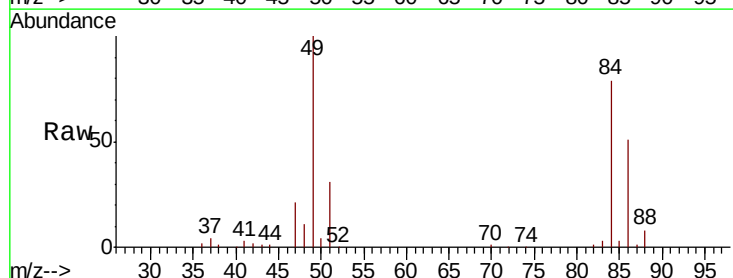
Instrument :
MSVOA_V
ClientSampled :
BFB85

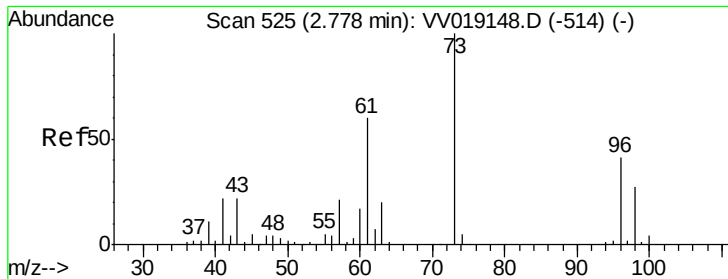
Tot Ion: 43 Resp: 85222
Ion Ratio Lower Upper
43 100
74 22.9 18.4 27.6



#16
Methylene chloride
Concen: 48.105 ug/L
RT: 2.52 min Scan# 445
Delta R.T. -0.00 min
Lab File: VV019151.D
Acq: 29 Oct 2020 16:28

Tgt Ion: 84 Resp: 83169
Ion Ratio Lower Upper
84 100
86 63.9 46.0 85.4
49 125.9 87.8 163.2





#17

trans-1,2-Dichloroethene

Concen: 48.292 ug/L

RT: 2.78 min Scan# 525

Delta R.T. 0.00 min

Lab File: VV019151.D

Acq: 29 Oct 2020 16:28

Instrument :

MSVOA_V

ClientSampleId :

BFB85

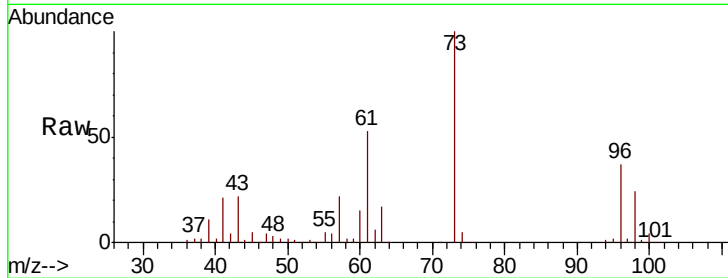
Tot Ion: 96 Resp: 78973

Ion Ratio Lower Upper

96 100

61 142.5 102.4 190.2

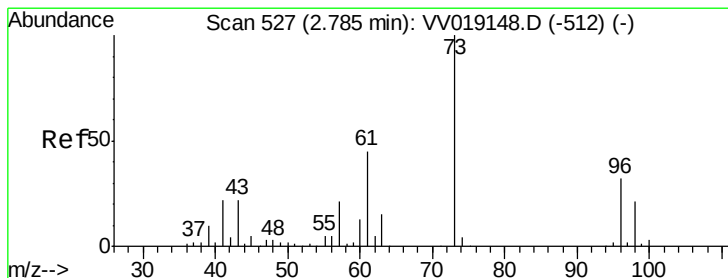
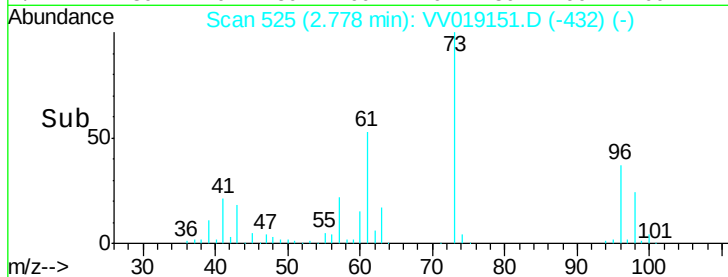
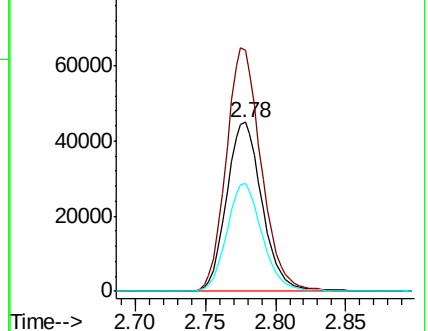
98 63.8 45.9 85.3



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: 48.942 ug/L

RT: 2.78 min Scan# 527

Delta R.T. -0.00 min

Lab File: VV019151.D

Acq: 29 Oct 2020 16:28

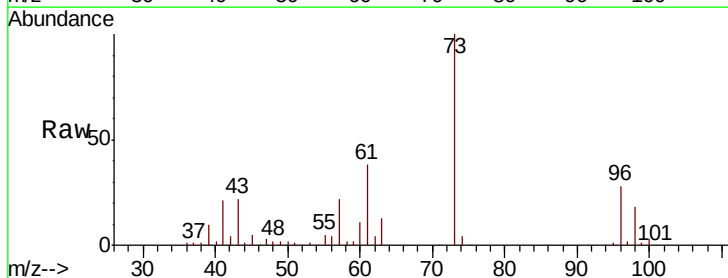
Tgt Ion: 73 Resp: 267997

Ion Ratio Lower Upper

73 100

43 21.5 17.9 26.9

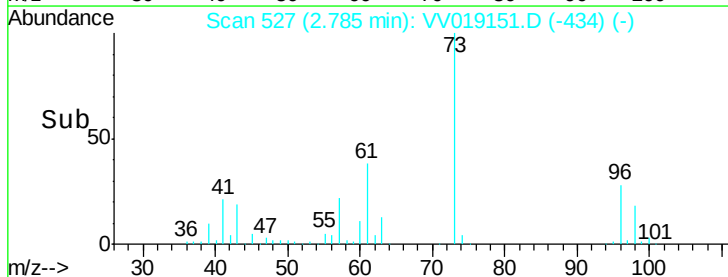
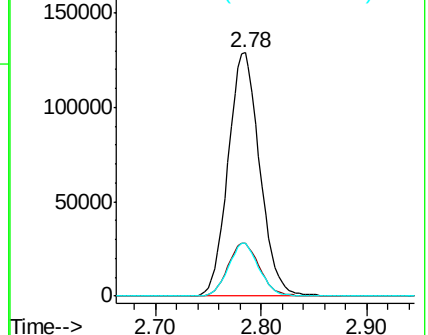
57 21.0 17.1 25.7

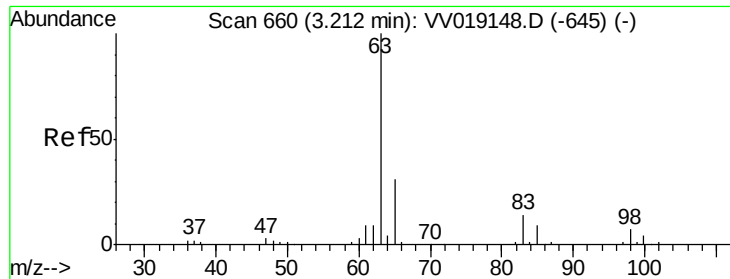


Abundance Ion 73.00 (72.70 to 73.70): VV0

Ion 43.00 (42.70 to 43.70): VV0

Ion 57.00 (56.70 to 57.70): VV0

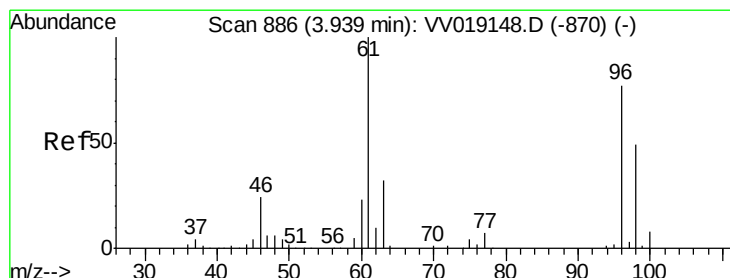
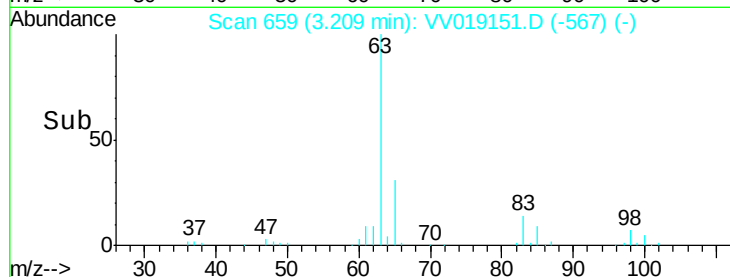
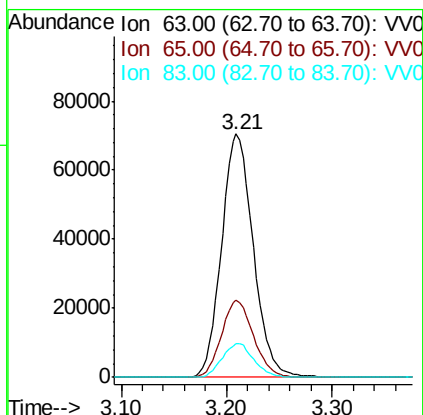
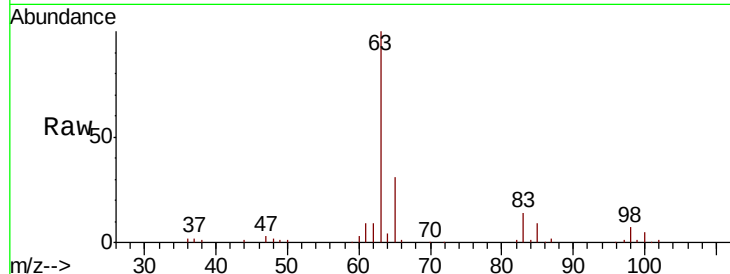




#19
 1,1-Dichloroethane
 Concen: 48.160 ug/L
 RT: 3.21 min Scan# 659
 Delta R.T. -0.00 min
 Lab File: VV019151.D
 Acq: 29 Oct 2020 16:28

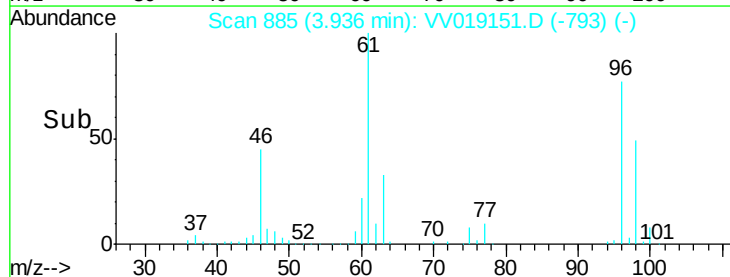
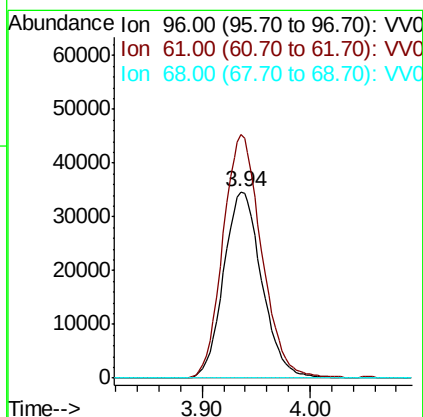
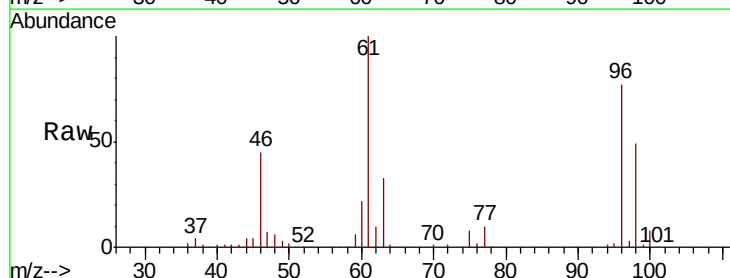
Instrument :
 MSVOA_V
 ClientSampleId :
 BFB85

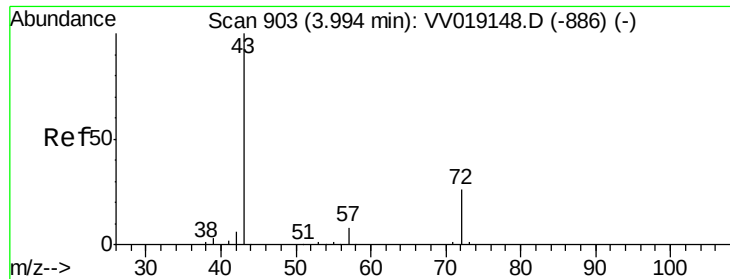
Tot Ion: 63 Resp: 146729
 Ion Ratio Lower Upper
 63 100
 65 31.5 22.0 40.8
 83 13.7 9.6 17.8



#20
 cis-1,2-Dichloroethene
 Concen: 47.578 ug/L
 RT: 3.94 min Scan# 885
 Delta R.T. -0.00 min
 Lab File: VV019151.D
 Acq: 29 Oct 2020 16:28

Tgt Ion: 96 Resp: 85390
 Ion Ratio Lower Upper
 96 100
 61 130.6 90.7 168.5
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 102.748 ug/L

RT: 3.99 min Scan# 903

Delta R.T. 0.00 min

Lab File: VV019151.D

Acq: 29 Oct 2020 16:28

Instrument :

MSVOA_V

ClientSampleId :

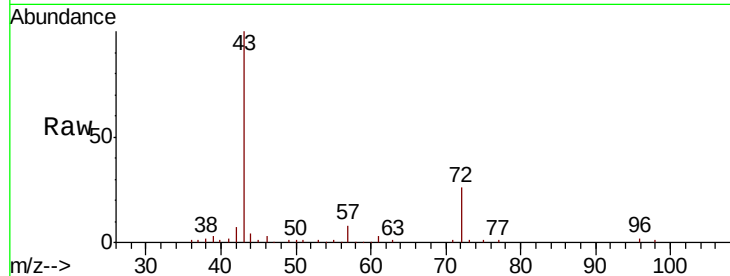
BFB85

Tot Ion: 43 Resp: 120154

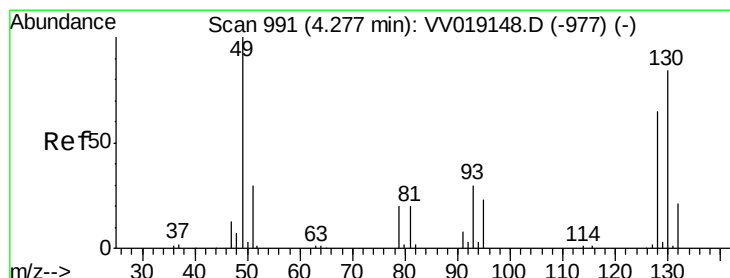
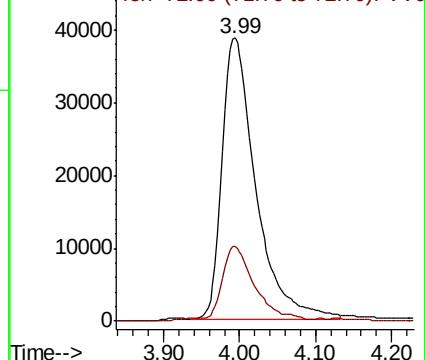
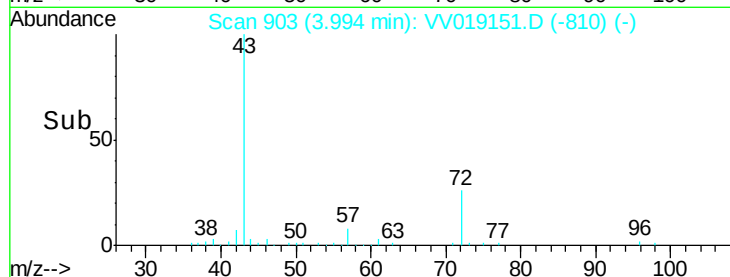
Ion Ratio Lower Upper

43 100

72 22.7 11.9 35.9



Abundance Ion 43.00 (42.70 to 43.70): VV019151.D (-810) (-)



#23

Bromochloromethane

Concen: 48.389 ug/L

RT: 4.27 min Scan# 990

Delta R.T. -0.00 min

Lab File: VV019151.D

Acq: 29 Oct 2020 16:28

Tgt Ion:128 Resp: 46603

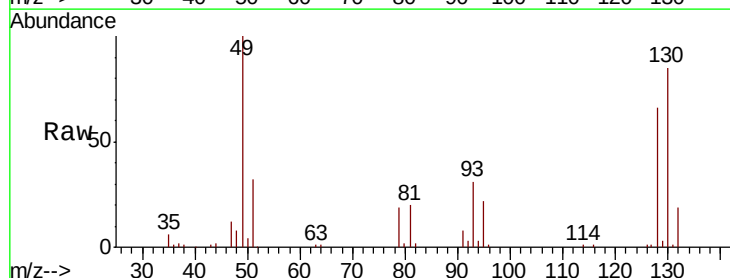
Ion Ratio Lower Upper

128 100

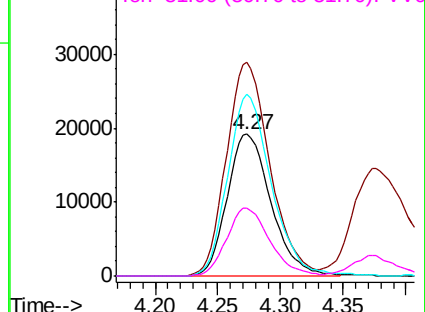
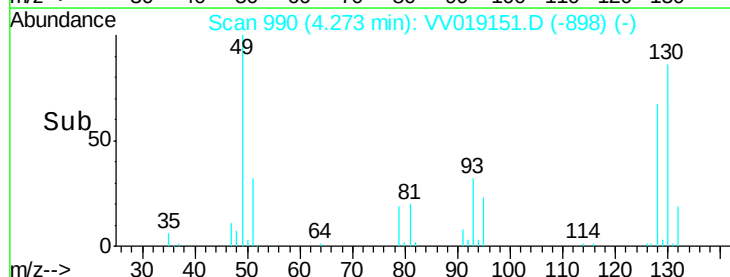
49 150.5 108.5 201.5

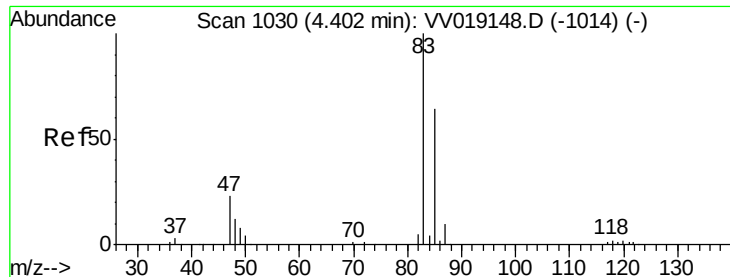
130 127.8 90.4 167.8

51 47.9 36.9 55.3



Abundance Ion 128.00 (127.70 to 128.70): VV019151.D (-898) (-)

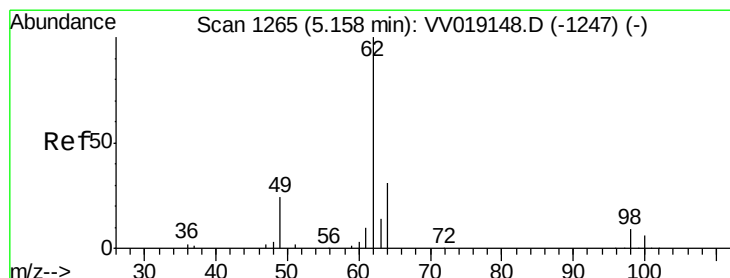
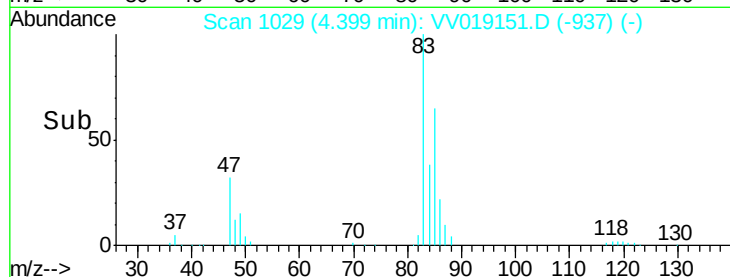
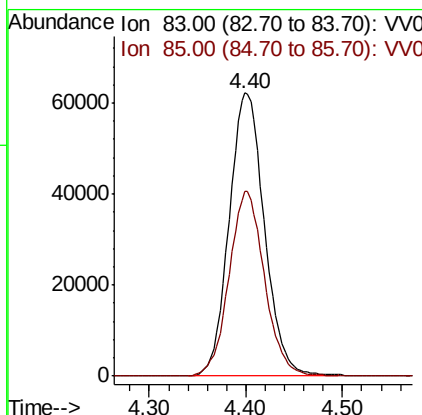
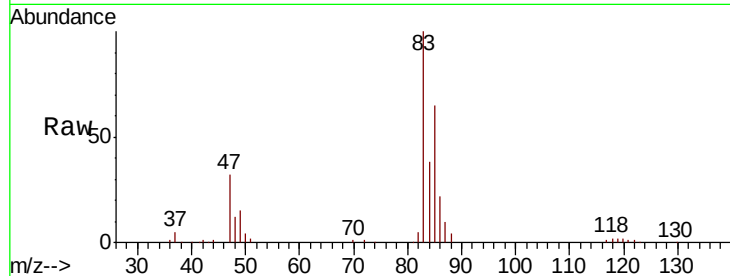




#25
Chloroform
Concen: 47.939 ug/L
RT: 4.40 min Scan# 1029
Delta R.T. -0.00 min
Lab File: VV019151.D
Acq: 29 Oct 2020 16:28

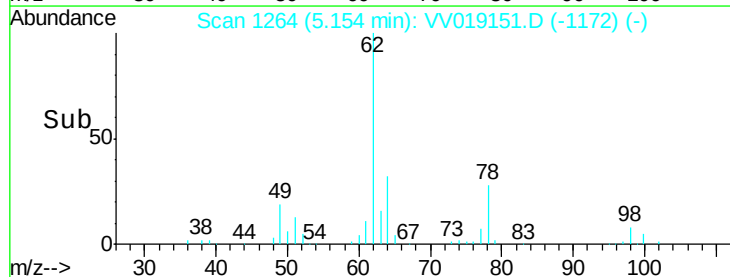
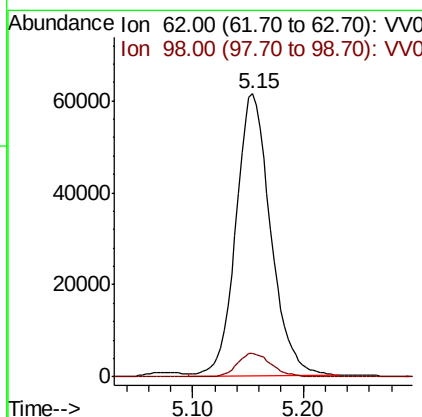
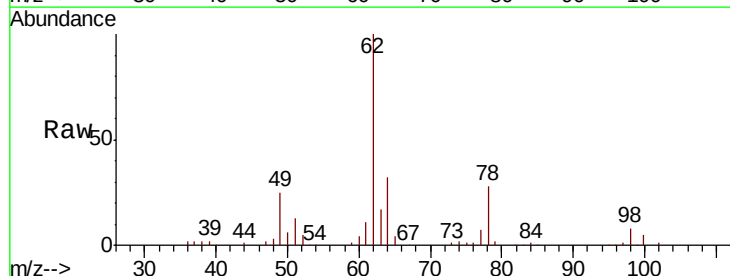
Instrument :
MSVOA_V
ClientSampled :
BFB85

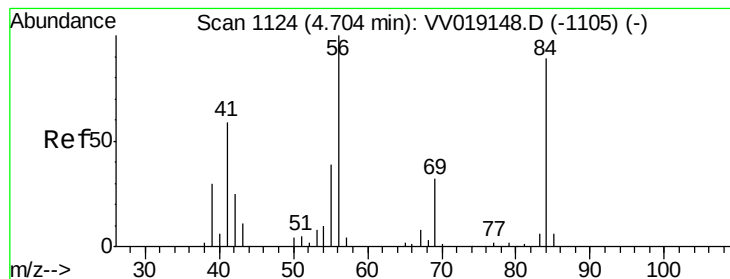
Tot Ion: 83 Resp: 157832
Ion Ratio Lower Upper
83 100
85 65.3 45.1 83.9



#27
1,2-Dichloroethane
Concen: 47.621 ug/L
RT: 5.15 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VV019151.D
Acq: 29 Oct 2020 16:28

Tgt Ion: 62 Resp: 133479
Ion Ratio Lower Upper
62 100
98 8.3 6.8 10.2





#29

Cyclohexane

Concen: 47.958 ug/L

RT: 4.70 min Scan# 1123

Delta R.T. -0.00 min

Lab File: VV019151.D

Acq: 29 Oct 2020 16:28

Instrument :

MSVOA_V

ClientSampleId :

BFB85

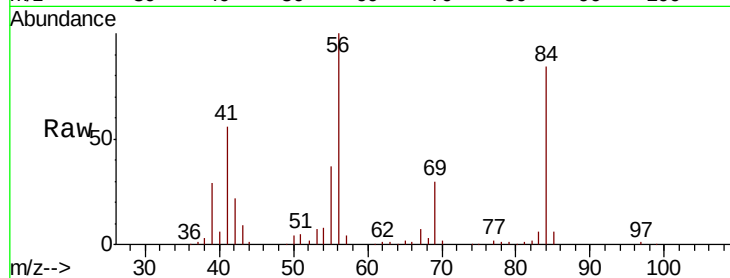
Tot Ion: 56 Resp: 123476

Ion Ratio Lower Upper

56 100

69 30.6 25.0 37.4

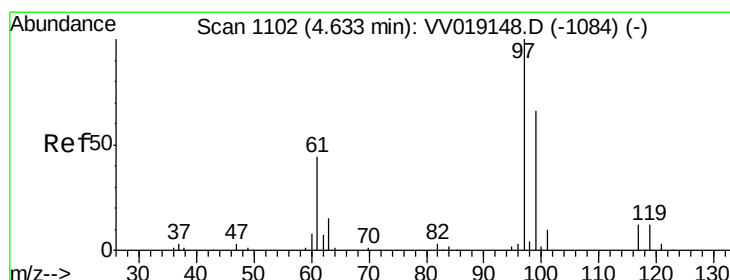
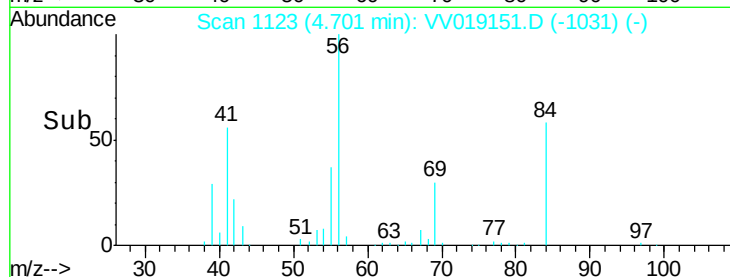
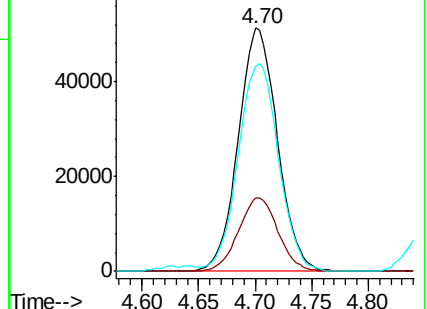
84 87.6 71.5 107.3



Abundance Ion 56.00 (55.70 to 56.70): VV019151.D (-1031) (-)

Ion 69.00 (68.70 to 69.70): VV019151.D (-1031) (-)

Ion 84.00 (83.70 to 84.70): VV019151.D (-1031) (-)



#30

1,1,1-Trichloroethane

Concen: 47.350 ug/L

RT: 4.63 min Scan# 1102

Delta R.T. -0.00 min

Lab File: VV019151.D

Acq: 29 Oct 2020 16:28

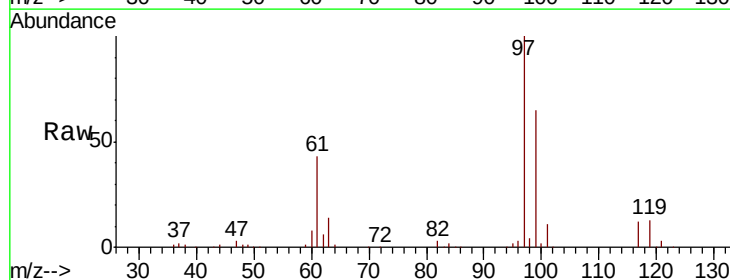
Tgt Ion: 97 Resp: 147982

Ion Ratio Lower Upper

97 100

99 63.6 51.3 76.9

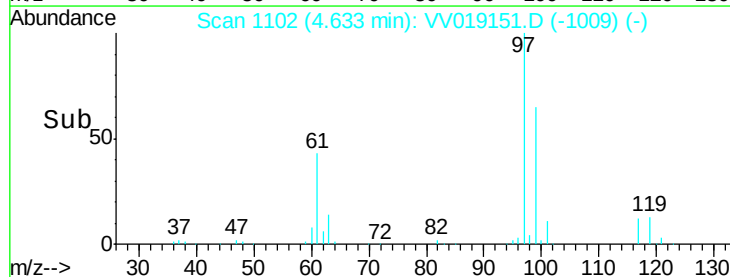
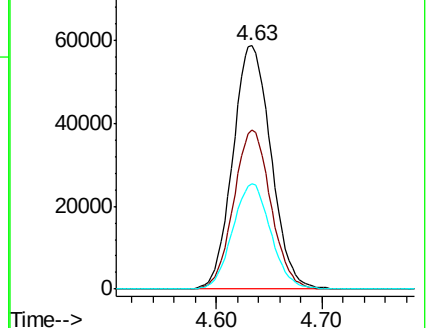
61 43.2 34.6 52.0

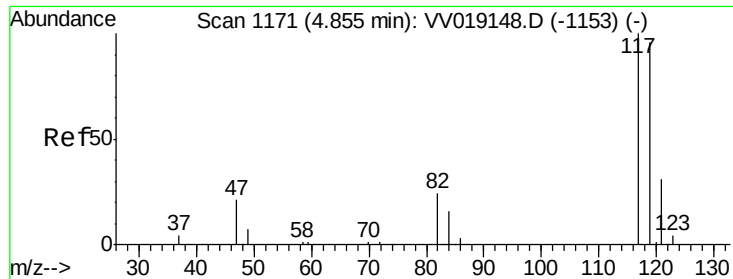


Abundance Ion 97.00 (96.70 to 97.70): VV019151.D (-1009) (-)

Ion 99.00 (98.70 to 99.70): VV019151.D (-1009) (-)

Ion 61.05 (60.75 to 61.75): VV019151.D (-1009) (-)

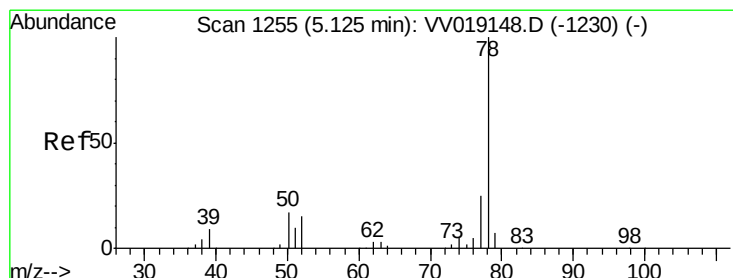
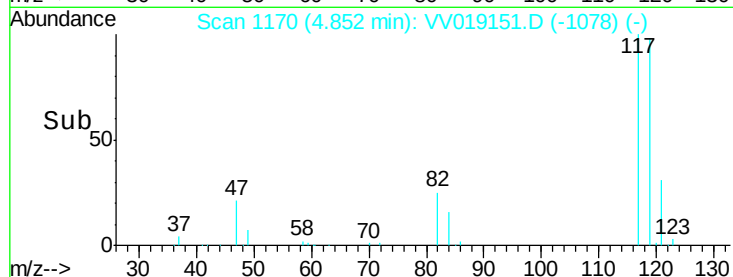
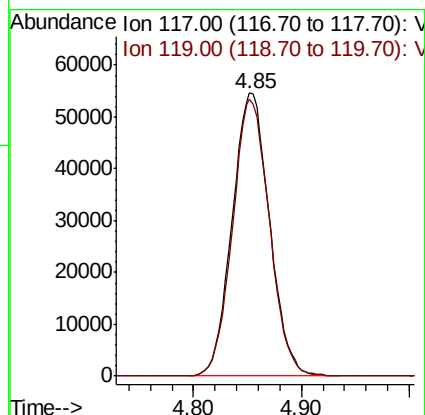
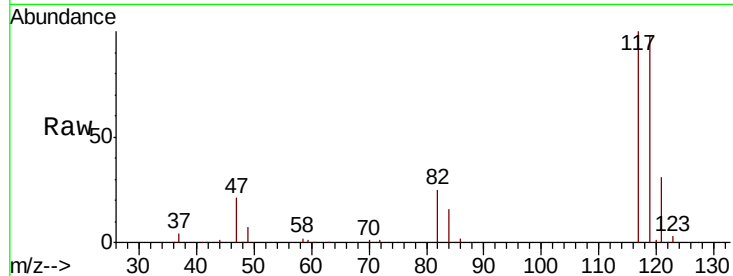




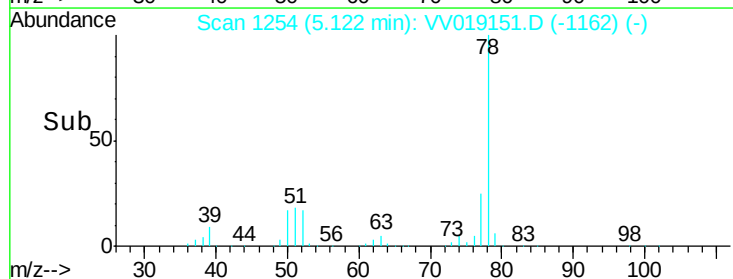
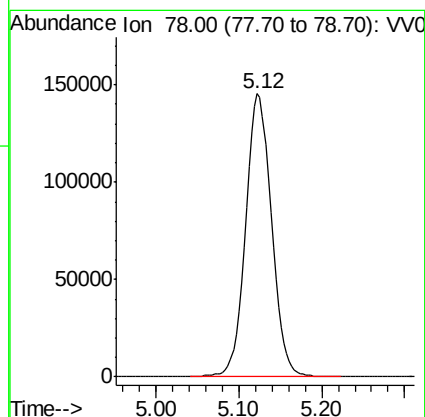
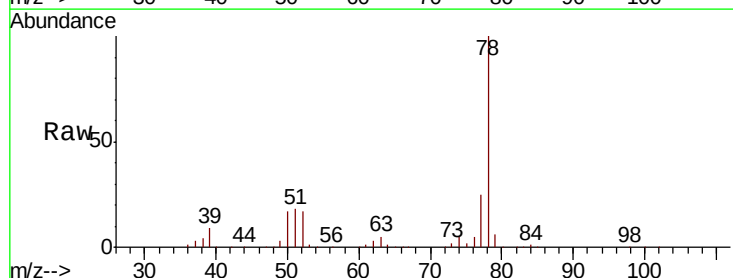
#31
Carbon tetrachloride
Concen: 47.550 ug/L
RT: 4.85 min Scan# 1170
Delta R.T. -0.00 min
Lab File: VV019151.D
Acq: 29 Oct 2020 16:28

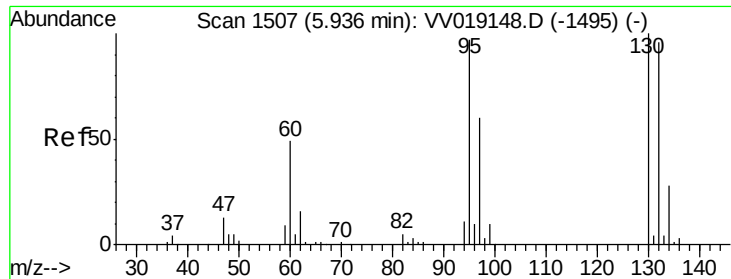
Instrument :
MSVOA_V
ClientSampleId :
BFB85

Tot Ion:117 Resp: 131777
Ion Ratio Lower Upper
117 100
119 96.4 77.2 115.8



#33
Benzene
Concen: 47.623 ug/L
RT: 5.12 min Scan# 1254
Delta R.T. -0.00 min
Lab File: VV019151.D
Acq: 29 Oct 2020 16:28
Tgt Ion: 78 Resp: 316671





#34

Trichloroethene

Concen: 47.218 ug/L

RT: 5.94 min Scan# 1507

Delta R.T. -0.00 min

Lab File: VV019151.D

Acq: 29 Oct 2020 16:28

Instrument :

MSVOA_V

ClientSampleId :

BFB85

Tot Ion: 95 Resp: 86013

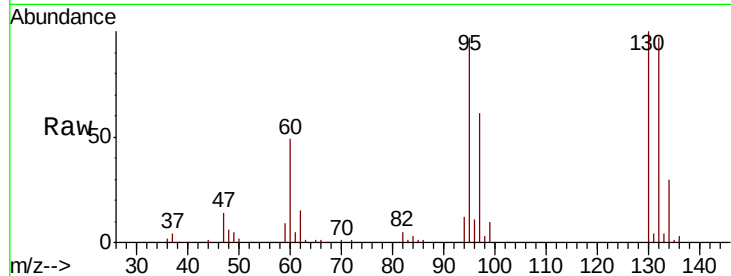
Ion Ratio Lower Upper

95 100

97 62.6 43.4 80.6

132 100.5 69.7 129.4

130 103.4 72.4 134.5

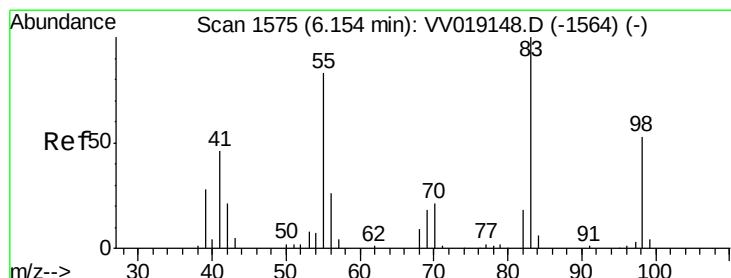
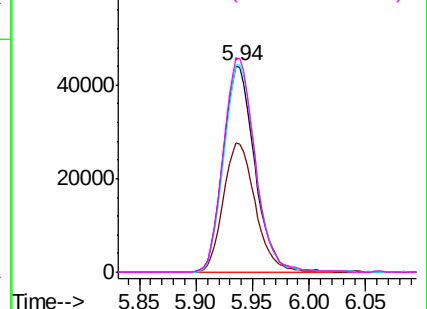
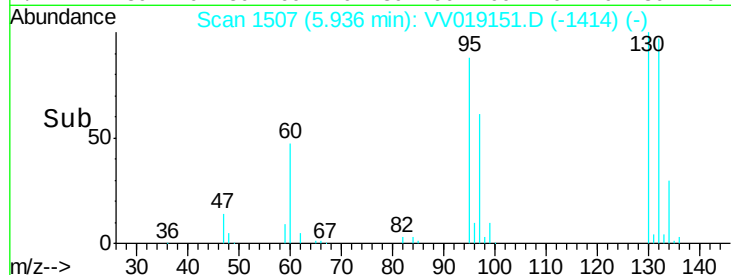


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): VV0

Ion 130.00 (129.70 to 130.70): VV0



#35

Methylcyclohexane

Concen: 48.092 ug/L

RT: 6.15 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VV019151.D

Acq: 29 Oct 2020 16:28

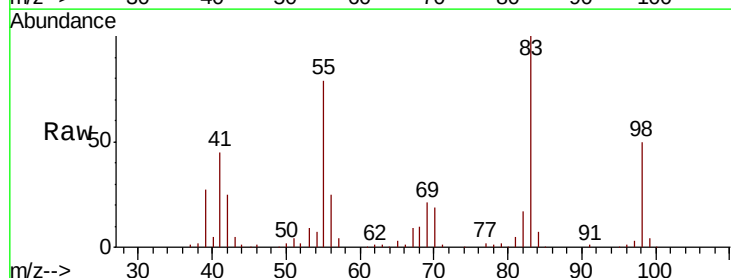
Tgt Ion: 83 Resp: 118266

Ion Ratio Lower Upper

83 100

55 78.0 62.2 93.4

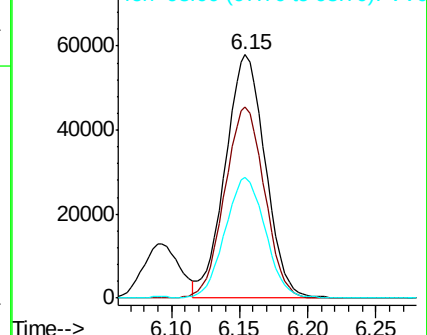
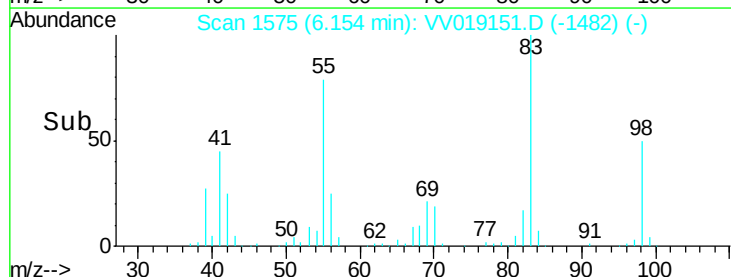
98 49.8 39.4 59.2

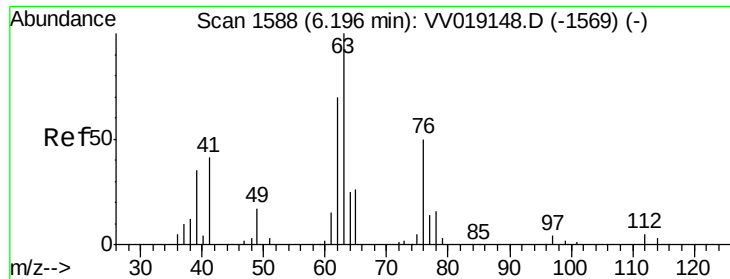


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

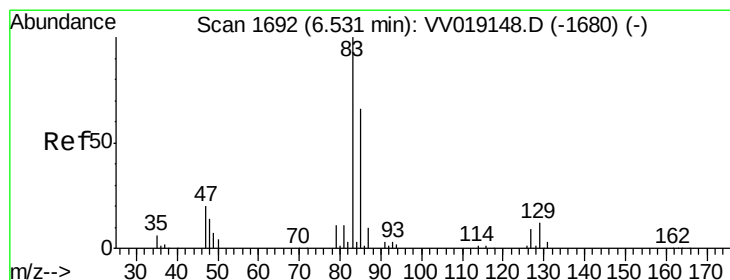
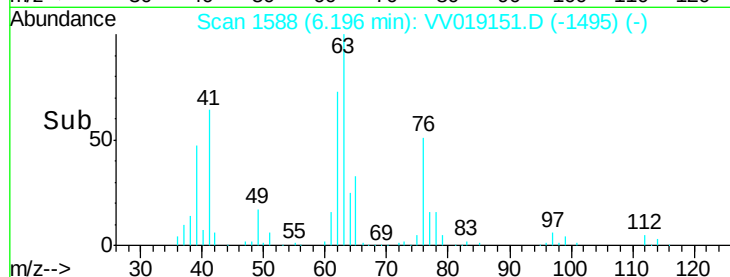
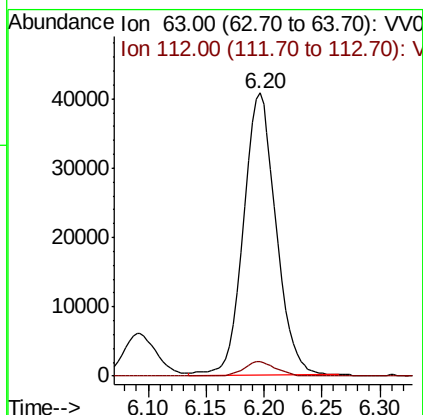
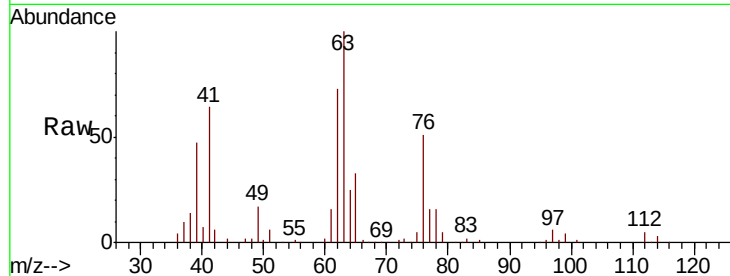




#37
 1,2-Dichloropropane
 Concen: 48.013 ug/L
 RT: 6.20 min Scan# 1588
 Delta R.T. 0.00 min
 Lab File: VV019151.D
 Acq: 29 Oct 2020 16:28

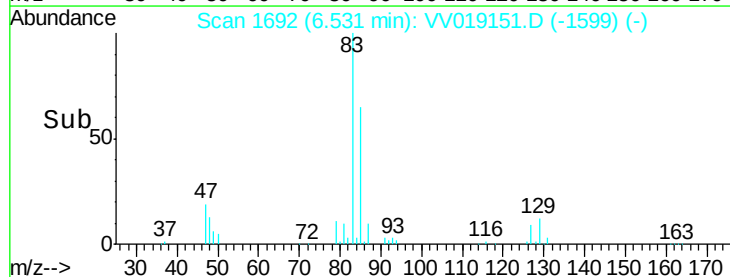
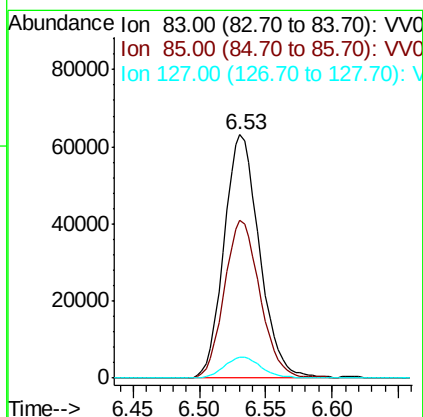
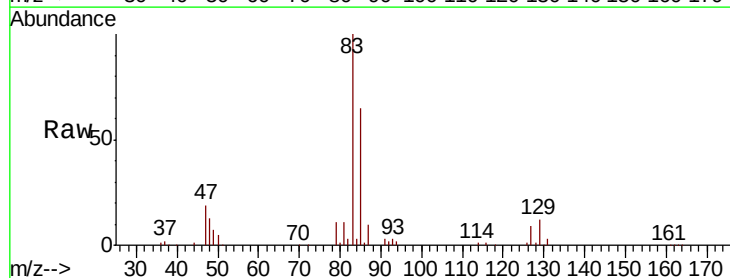
Instrument :
 MSVOA_V
 ClientSampleId :
 BFB85

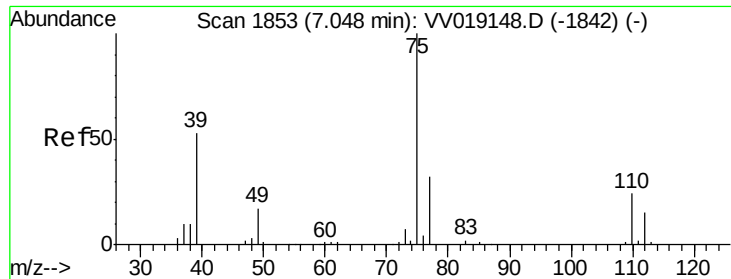
Tot Ion: 63 Resp: 79286
 Ion Ratio Lower Upper
 63 100
 112 5.0 3.8 5.8



#38
 Bromodichloromethane
 Concen: 47.781 ug/L
 RT: 6.53 min Scan# 1692
 Delta R.T. -0.00 min
 Lab File: VV019151.D
 Acq: 29 Oct 2020 16:28

Tgt Ion: 83 Resp: 117375
 Ion Ratio Lower Upper
 83 100
 85 64.6 45.9 85.3
 127 8.8 6.9 10.3

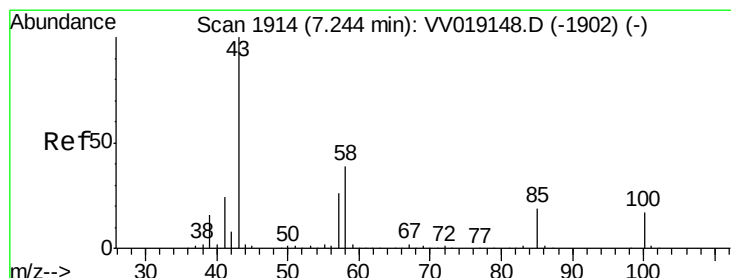
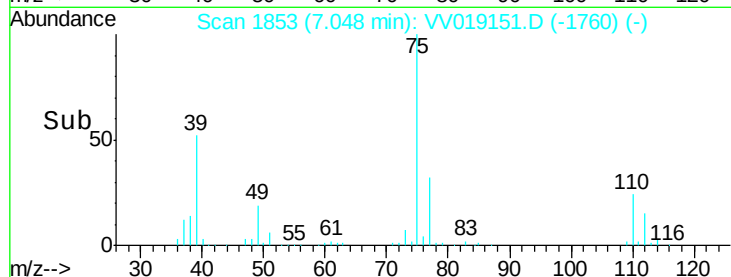
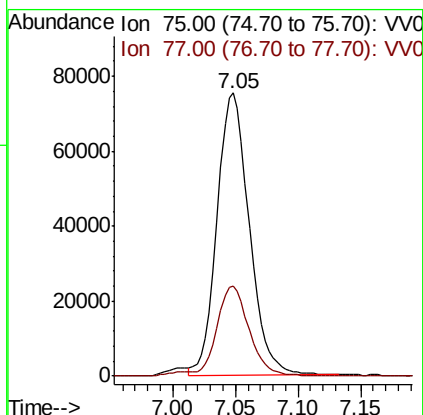
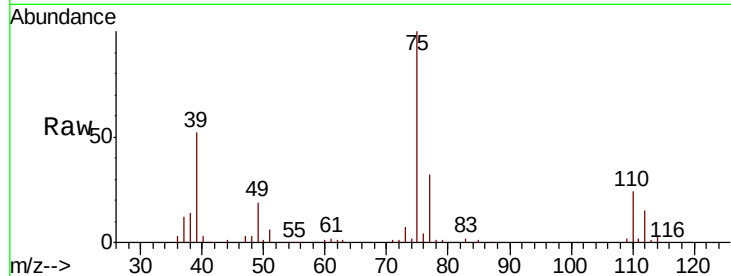




#39
 cis-1,3-Dichloropropene
 Concen: 49.455 ug/L
 RT: 7.05 min Scan# 1853
 Delta R.T. 0.00 min
 Lab File: VV019151.D
 Acq: 29 Oct 2020 16:28

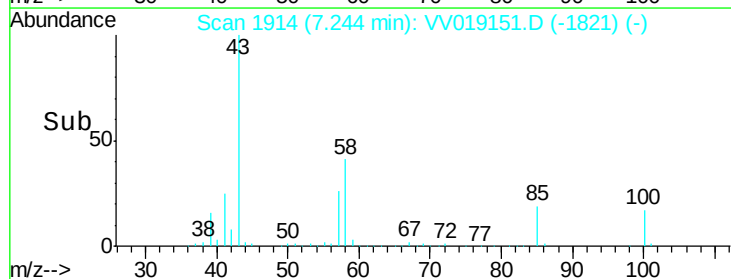
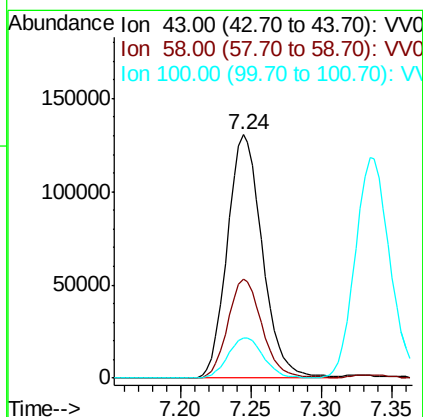
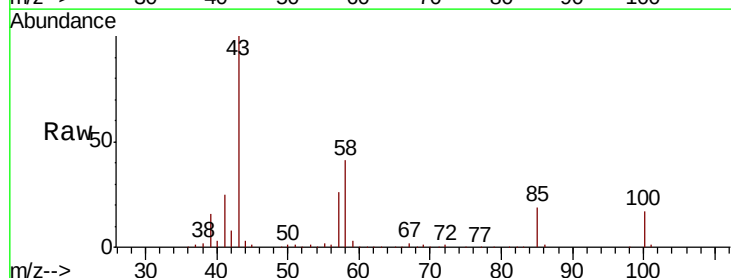
Instrument :
 MSVOA_V
 ClientSampleId :
 BFB85

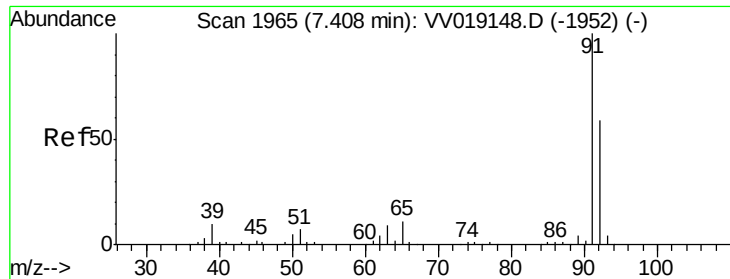
Tot Ion: 75 Resp: 134895
 Ion Ratio Lower Upper
 75 100
 77 31.8 22.7 42.1



#40
 4-Methyl-2-pentanone
 Concen: 99.831 ug/L
 RT: 7.24 min Scan# 1914
 Delta R.T. 0.00 min
 Lab File: VV019151.D
 Acq: 29 Oct 2020 16:28

Tgt Ion: 43 Resp: 227421
 Ion Ratio Lower Upper
 43 100
 58 39.7 31.0 46.4
 100 16.8 13.2 19.8





#42

Toluene

Concen: 48.114 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VV019151.D

Acq: 29 Oct 2020 16:28

Instrument :

MSVOA_V

ClientSampleId :

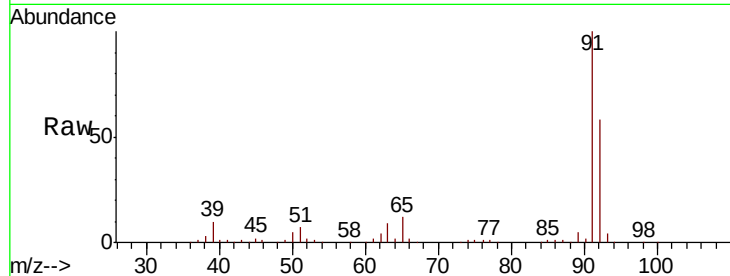
BFB85

Tot Ion: 91 Resp: 350731

Ion Ratio Lower Upper

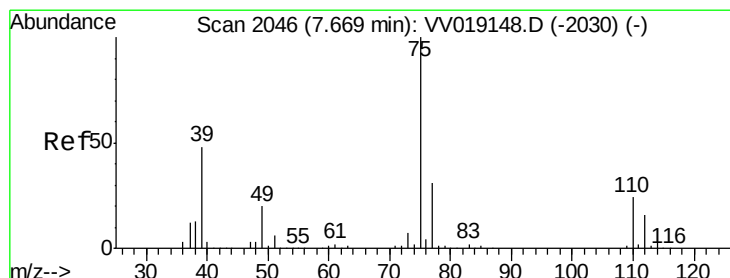
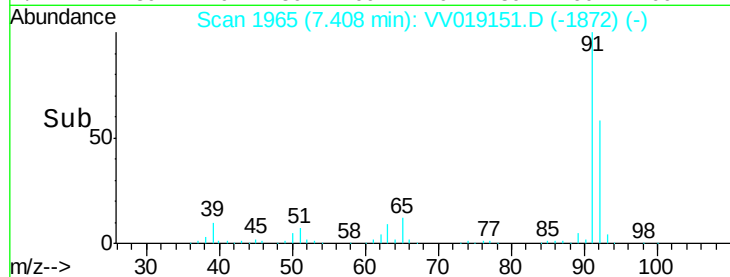
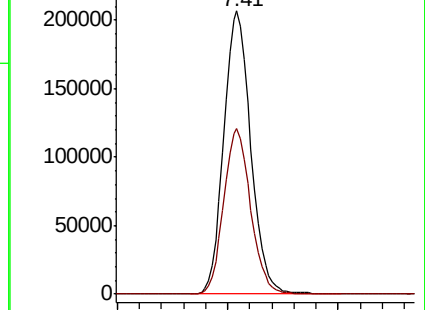
91 100

92 58.3 41.5 77.1



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: 48.978 ug/L

RT: 7.67 min Scan# 2046

Delta R.T. -0.00 min

Lab File: VV019151.D

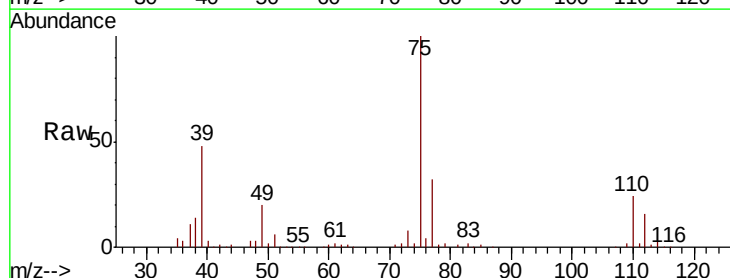
Acq: 29 Oct 2020 16:28

Tgt Ion: 75 Resp: 138971

Ion Ratio Lower Upper

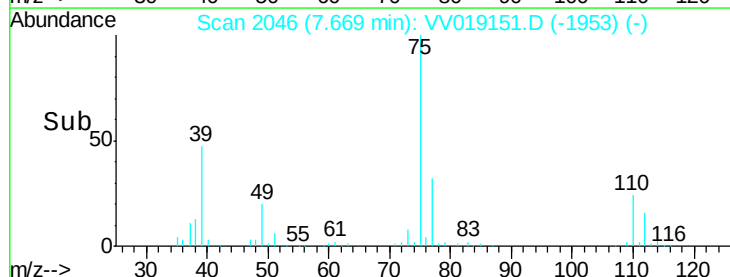
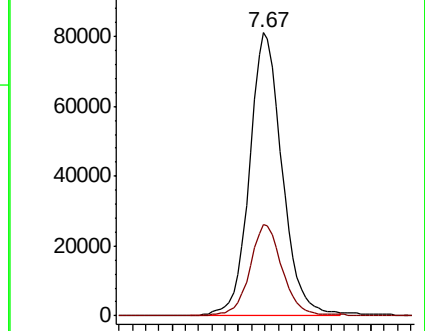
75 100

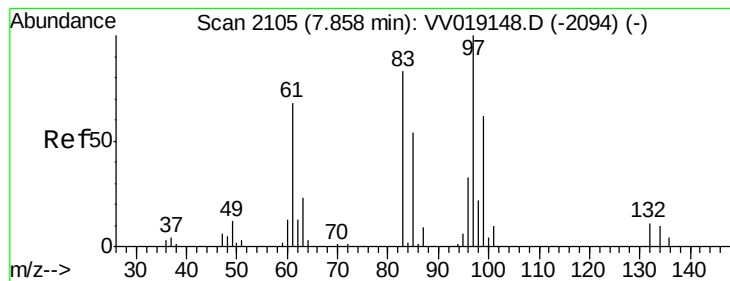
77 32.2 21.8 40.4



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: 48.400 ug/L

RT: 7.86 min Scan# 2105

Delta R.T. -0.00 min

Lab File: VV019151.D

Acq: 29 Oct 2020 16:28

Instrument :

MSVOA_V

ClientSampleId :

BFB85

Tot Ion: 97 Resp: 80159

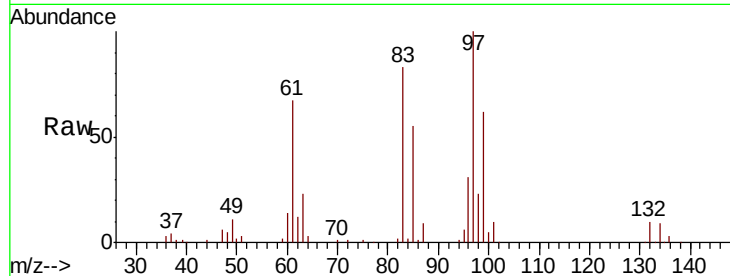
Ion Ratio Lower Upper

97 100

99 61.8 43.1 80.1

83 82.7 58.3 108.3

85 54.5 37.8 70.2

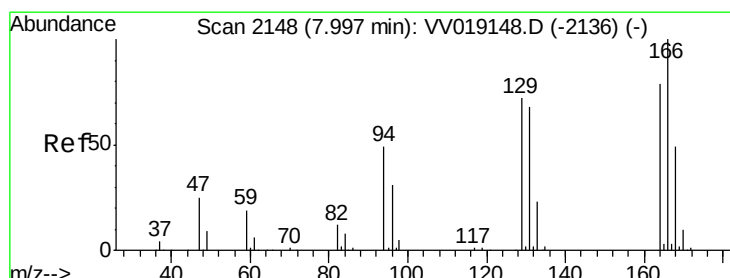
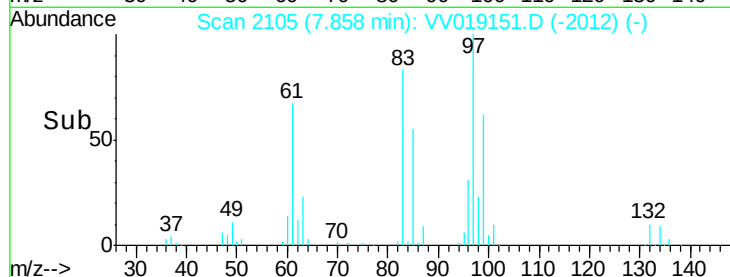
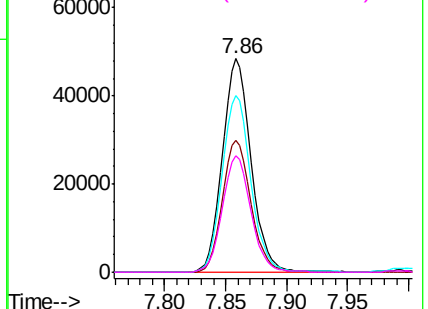


Abundance Ion 97.00 (96.70 to 97.70): VV0

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: 46.748 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. 0.00 min

Lab File: VV019151.D

Acq: 29 Oct 2020 16:28

Tgt Ion: 164 Resp: 72716

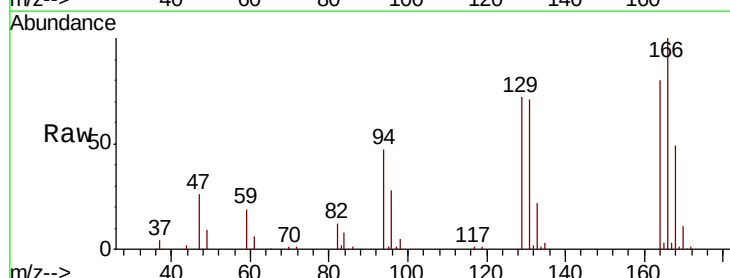
Ion Ratio Lower Upper

164 100

129 89.9 63.2 117.4

131 88.7 60.3 112.1

166 125.5 88.3 163.9

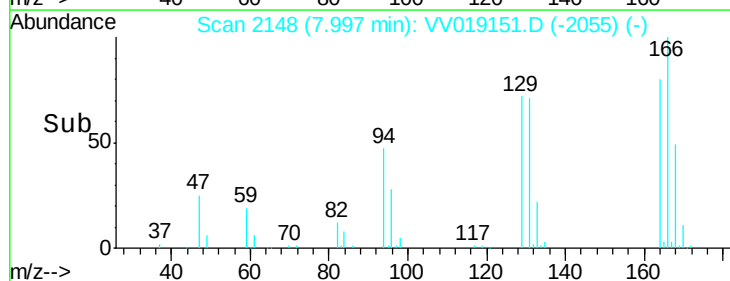
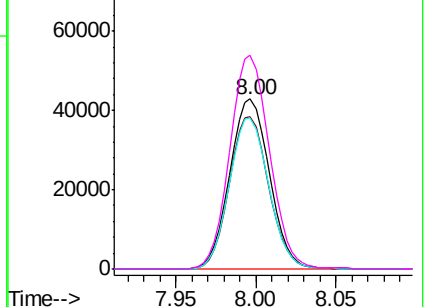


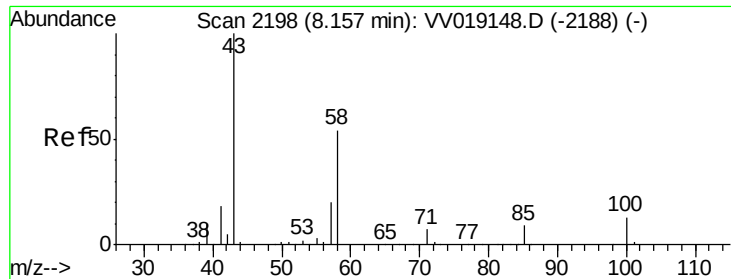
Abundance Ion 164.00 (163.70 to 164.70): V

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

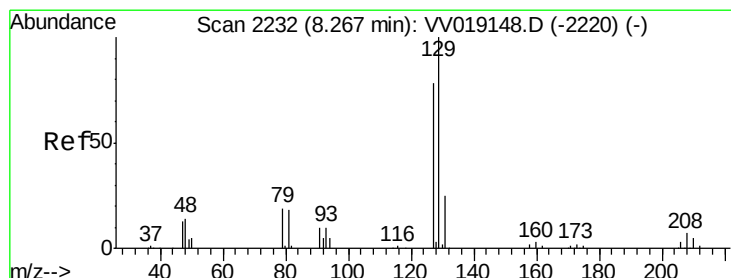
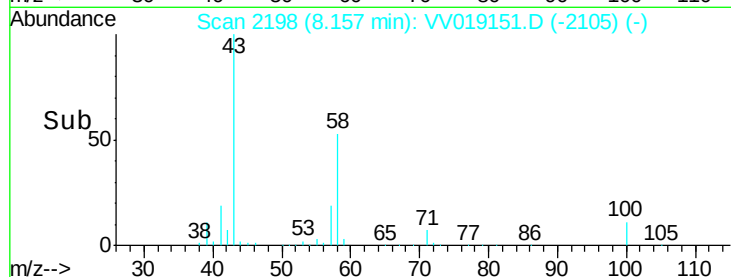
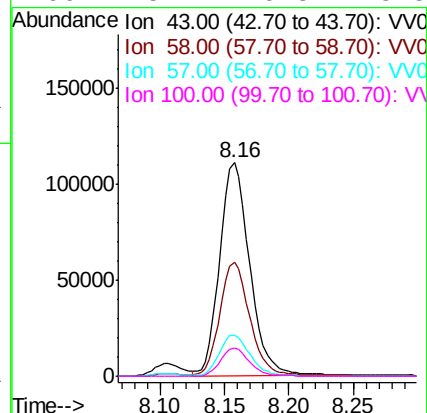
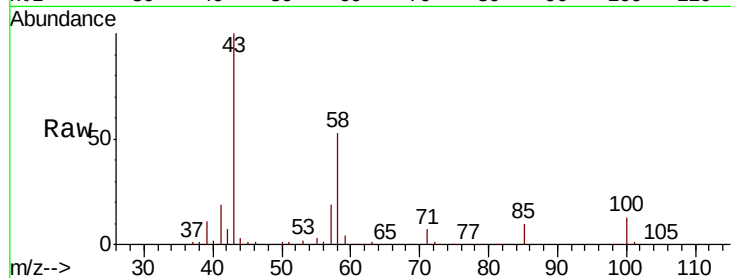




#48
2-Hexanone
Concen: 98.854 ug/L
RT: 8.16 min Scan# 2198
Delta R.T. 0.00 min
Lab File: VV019151.D
Acq: 29 Oct 2020 16:28

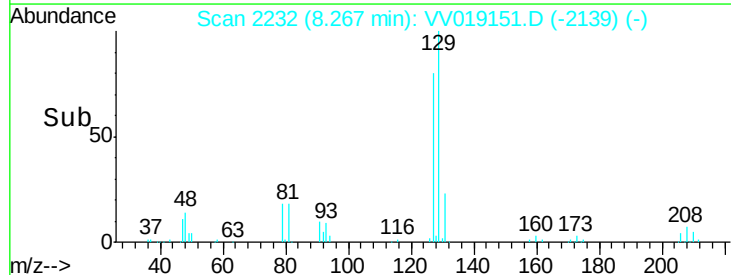
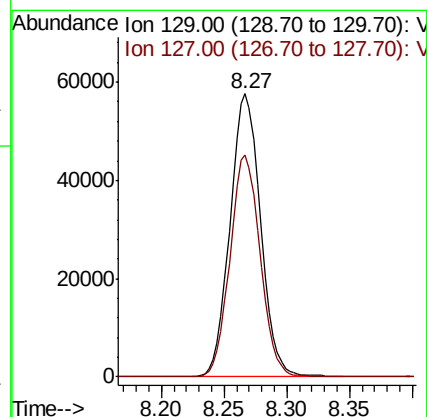
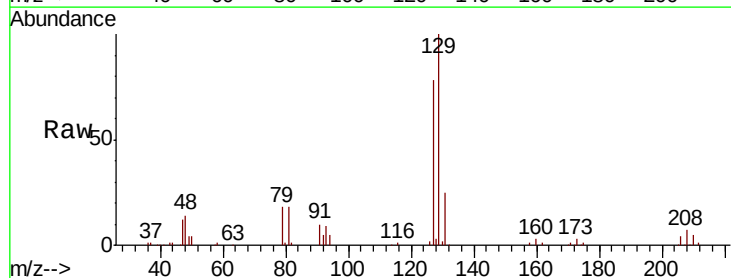
Instrument :
MSVOA_V
ClientSampleId :
BFB85

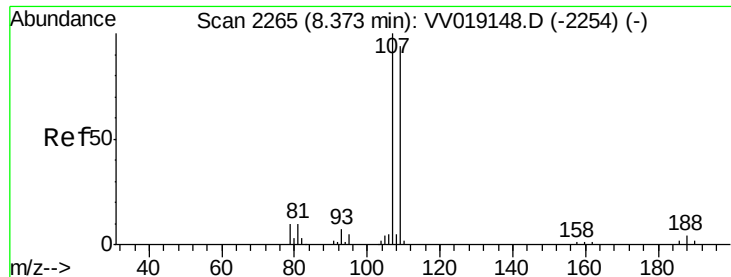
Tot Ion: 43 Resp: 178993
Ion Ratio Lower Upper
43 100
58 52.6 43.6 65.4
57 20.3 16.0 24.0
100 13.1 10.3 15.5



#49
Dibromochloromethane
Concen: 48.549 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. 0.00 min
Lab File: VV019151.D
Acq: 29 Oct 2020 16:28

Tgt Ion: 129 Resp: 97353
Ion Ratio Lower Upper
129 100
127 78.4 54.7 101.5

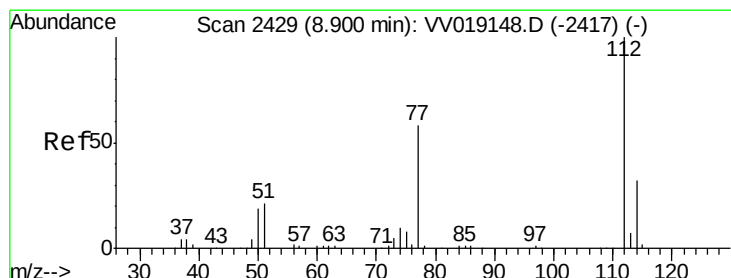
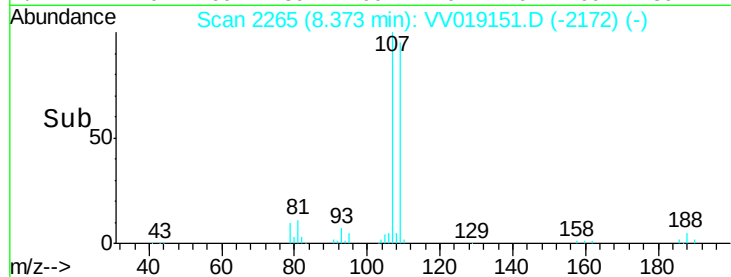
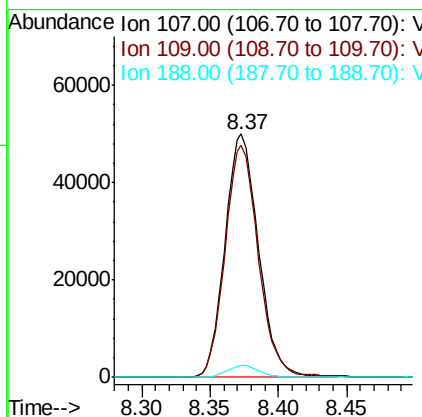
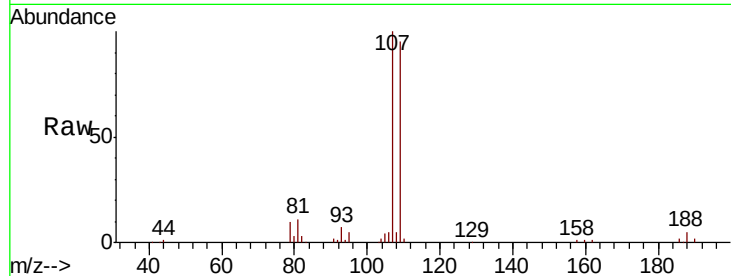




#50
 1,2-Dibromoethane
 Concen: 48.368 ug/L
 RT: 8.37 min Scan# 2265
 Delta R.T. -0.00 min
 Lab File: VV019151.D
 Acq: 29 Oct 2020 16:28

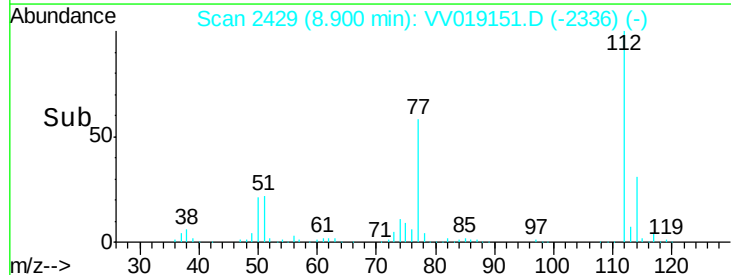
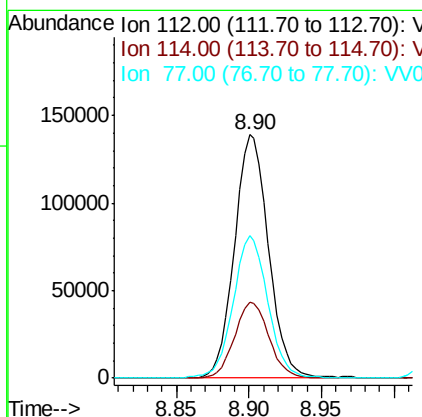
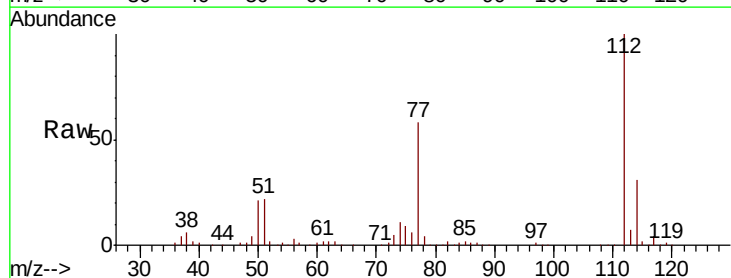
Instrument :
 MSVOA_V
 ClientSampleId :
 BFB85

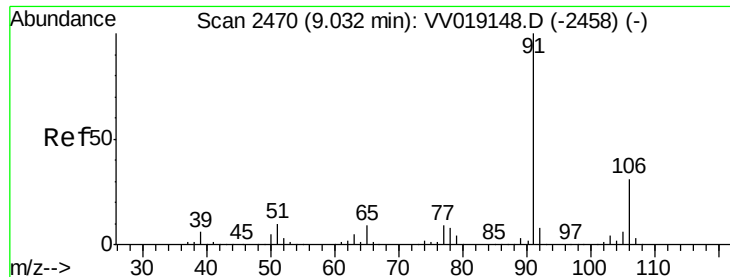
Tot Ion:107 Resp: 85466
 Ion Ratio Lower Upper
 107 100
 109 95.1 65.7 121.9
 188 4.7 3.4 5.2



#51
 Chlorobenzene
 Concen: 47.542 ug/L
 RT: 8.90 min Scan# 2429
 Delta R.T. 0.00 min
 Lab File: VV019151.D
 Acq: 29 Oct 2020 16:28

Tgt Ion:112 Resp: 227215
 Ion Ratio Lower Upper
 112 100
 114 31.1 22.3 41.5
 77 58.3 46.7 70.1





#52

Ethylbenzene

Concen: 48.299 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. 0.00 min

Lab File: VV019151.D

Acq: 29 Oct 2020 16:28

Instrument :

MSVOA_V

ClientSampled :

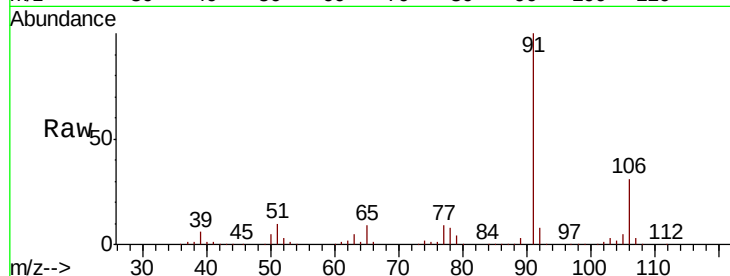
BFB85

Tot Ion: 91 Resp: 387958

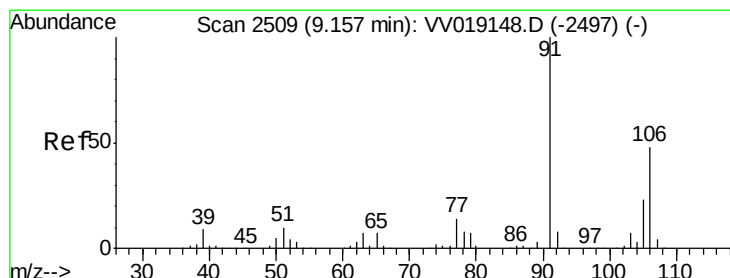
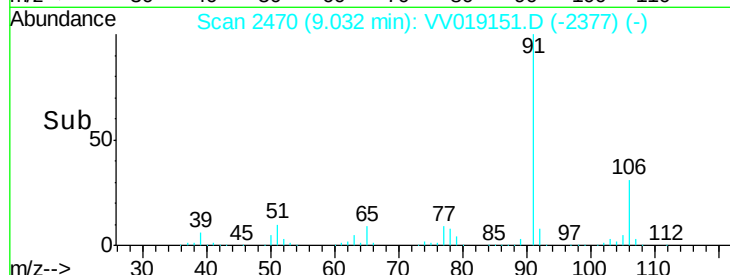
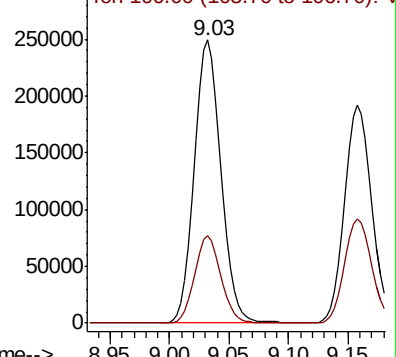
Ion Ratio Lower Upper

91 100

106 30.8 21.6 40.0



Abundance Ion 91.00 (90.70 to 91.70): VV019151.D (-2377) (-)



#53

m,p-Xylene

Concen: 48.354 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VV019151.D

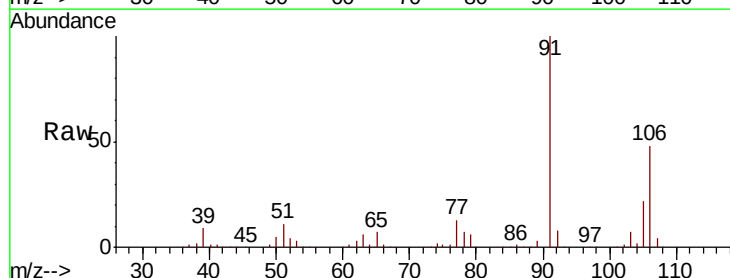
Acq: 29 Oct 2020 16:28

Tgt Ion: 106 Resp: 146700

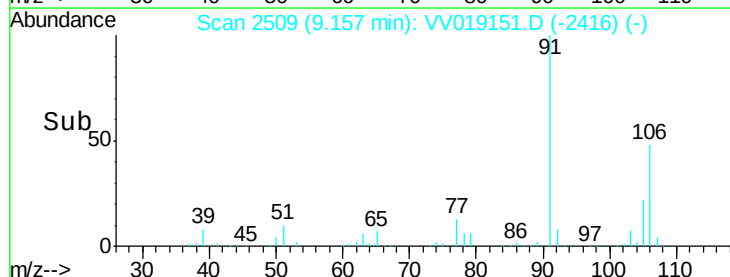
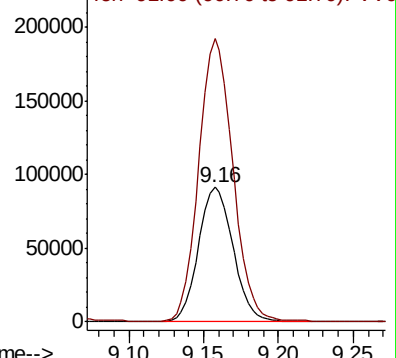
Ion Ratio Lower Upper

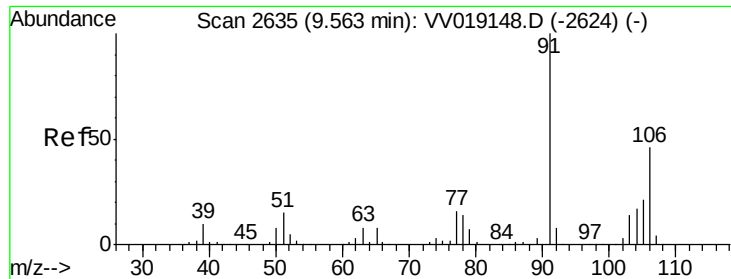
106 100

91 210.3 145.4 270.0



Abundance Ion 106.00 (105.70 to 106.70): VV019151.D (-2416) (-)

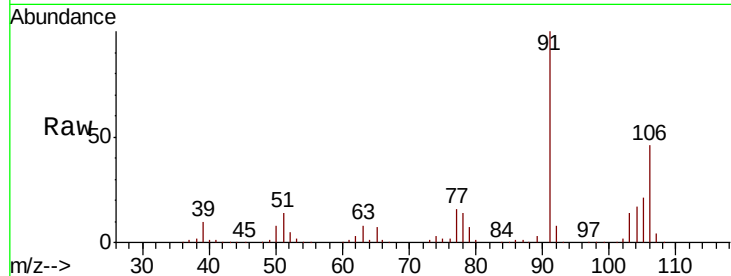




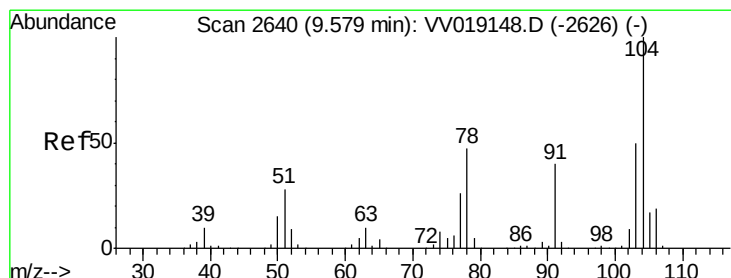
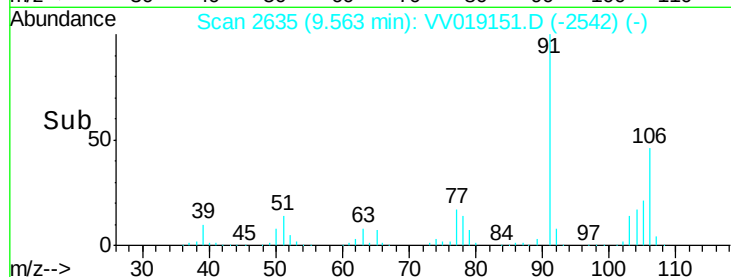
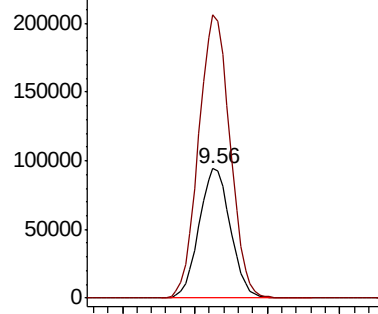
#54
o-xylene
Concen: 48.713 ug/L
RT: 9.56 min Scan# 2635
Delta R.T. 0.00 min
Lab File: VV019151.D
Acq: 29 Oct 2020 16:28

Instrument :
MSVOA_V
ClientSampled :
BFB85

Tot Ion:106 Resp: 141892
Ion Ratio Lower Upper
106 100
91 218.7 153.4 285.0

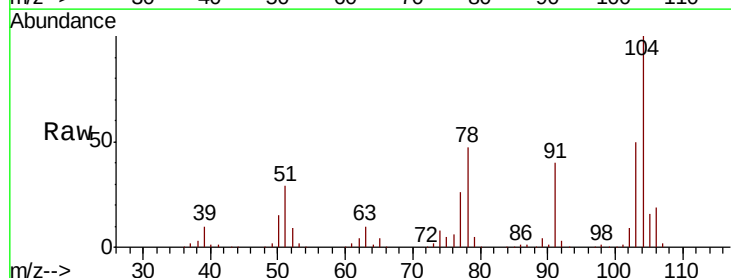


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0

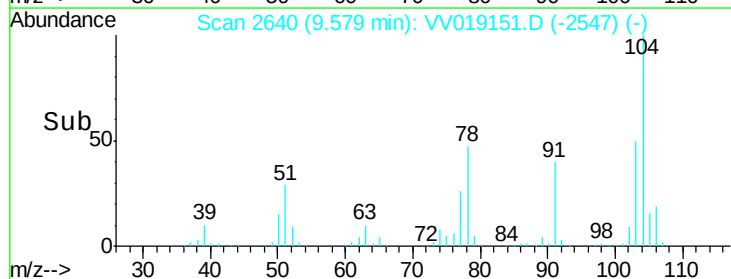
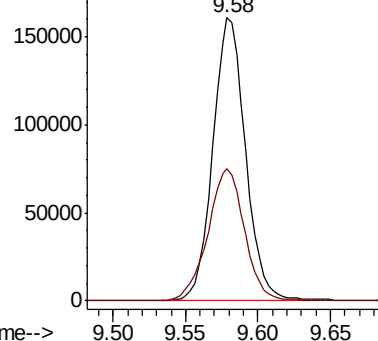


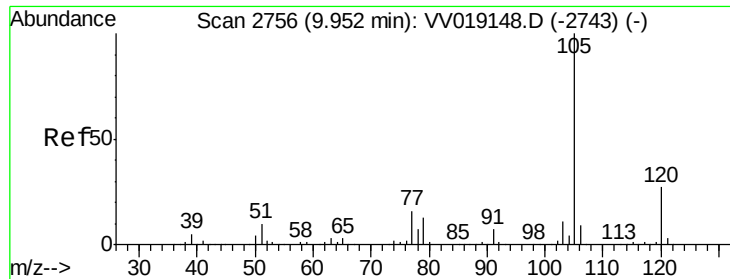
#55
Styrene
Concen: 48.781 ug/L
RT: 9.58 min Scan# 2640
Delta R.T. 0.00 min
Lab File: VV019151.D
Acq: 29 Oct 2020 16:28

Tgt Ion:104 Resp: 251839
Ion Ratio Lower Upper
104 100
78 46.9 32.8 60.8



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 48.625 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VV019151.D

Acq: 29 Oct 2020 16:28

Instrument :

MSVOA_V

ClientSampleId :

BFB85

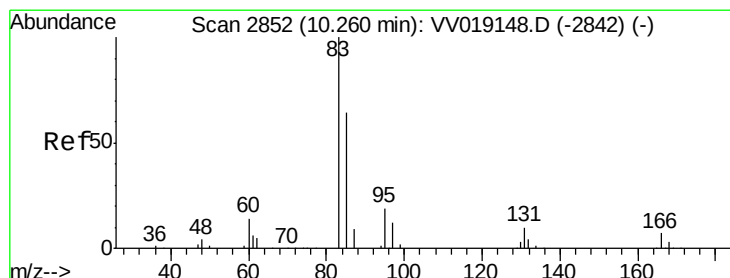
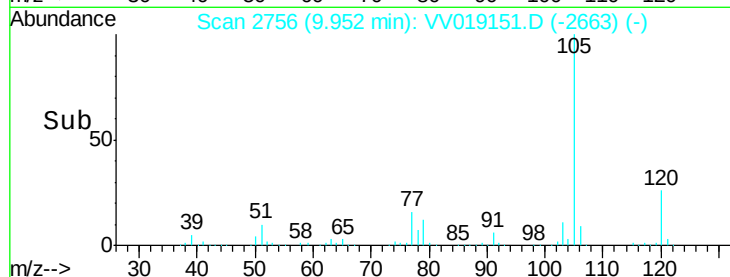
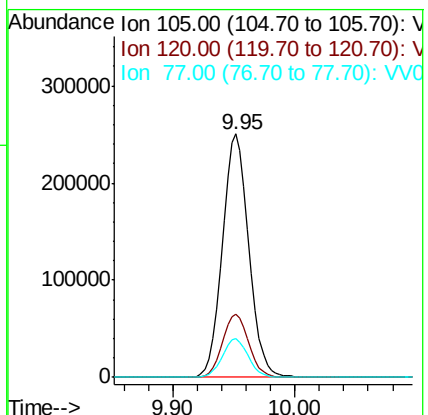
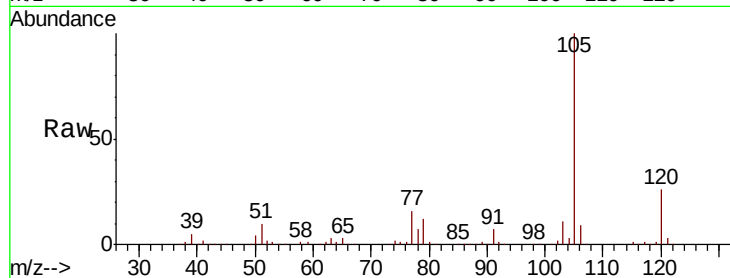
Tot Ion:105 Resp: 380636

Ion Ratio Lower Upper

105 100

120 25.9 21.3 31.9

77 15.8 13.0 19.4



#58

1,1,2,2-Tetrachloroethane

Concen: 48.737 ug/L

RT: 10.26 min Scan# 2852

Delta R.T. -0.00 min

Lab File: VV019151.D

Acq: 29 Oct 2020 16:28

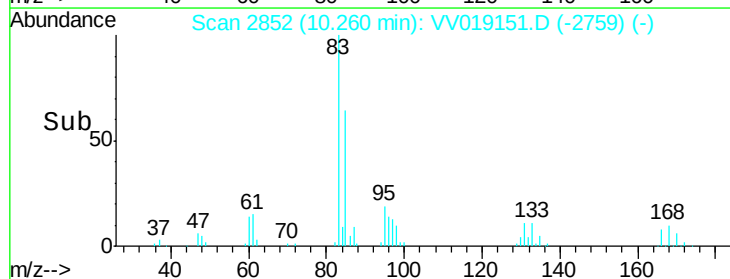
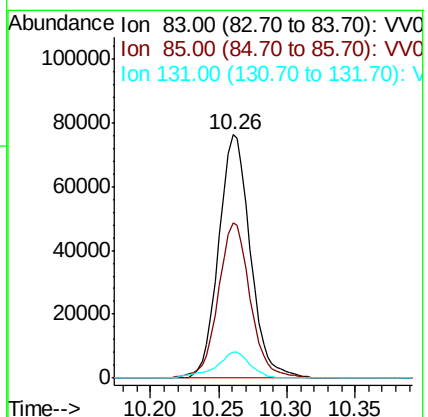
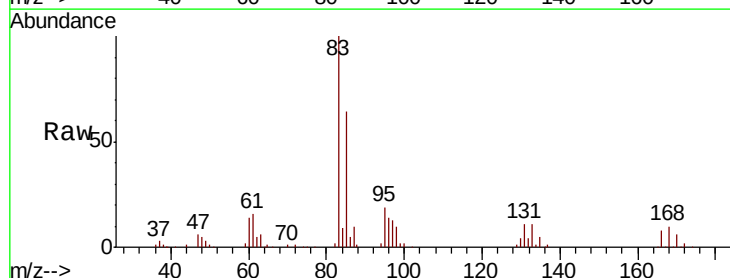
Tgt Ion: 83 Resp: 122909

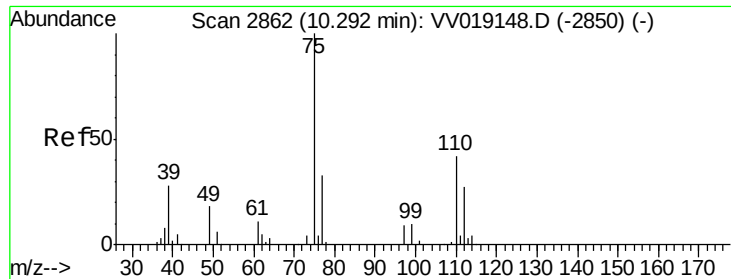
Ion Ratio Lower Upper

83 100

85 64.0 45.8 85.0

131 10.7 8.9 13.3





#59

1,2,3-Trichloropropane

Concen: 47.759 ug/L

RT: 10.29 min Scan# 2862

Delta R.T. 0.00 min

Lab File: VV019151.D

Acq: 29 Oct 2020 16:28

Instrument :

MSVOA_V

ClientSampleId :

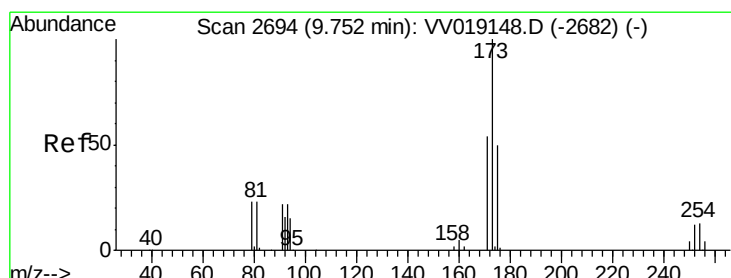
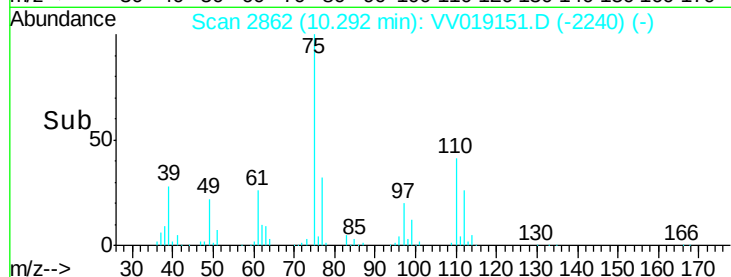
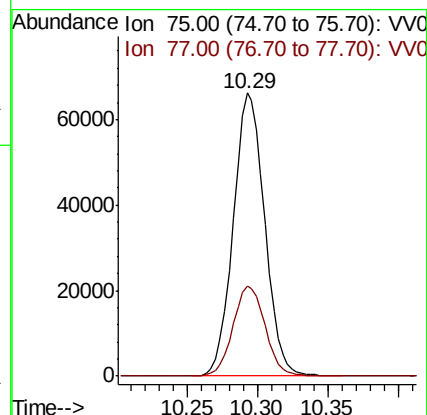
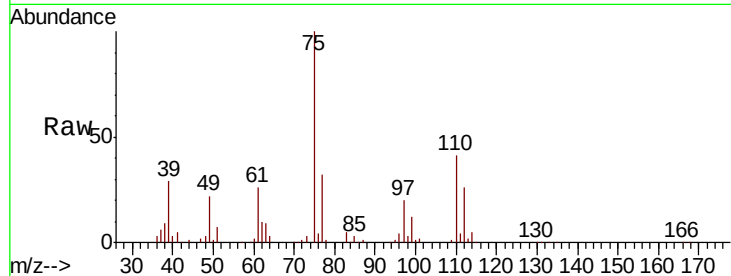
BFB85

Tot Ion: 75 Resp: 103101

Ion Ratio Lower Upper

75 100

77 32.7 26.2 39.4



#61

Bromoform

Concen: 47.983 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. -0.00 min

Lab File: VV019151.D

Acq: 29 Oct 2020 16:28

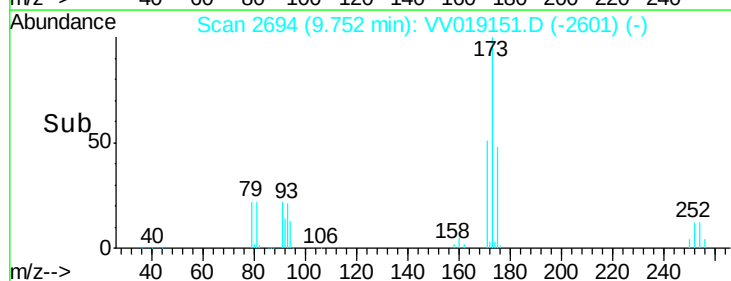
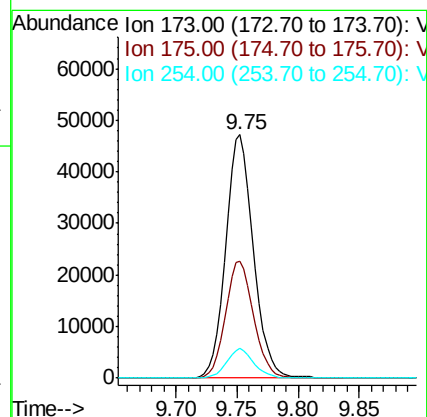
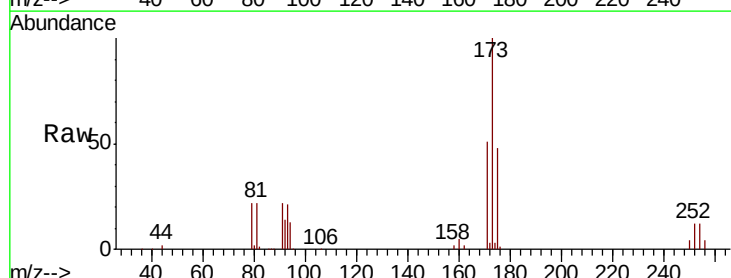
Tgt Ion: 173 Resp: 75363

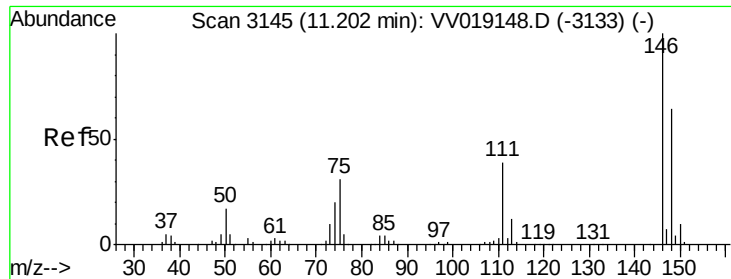
Ion Ratio Lower Upper

173 100

175 48.6 39.8 59.6

254 11.7 9.7 14.5





#62

1,3-Dichlorobenzene

Concen: 47.735 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. -0.00 min

Lab File: VV019151.D

Acq: 29 Oct 2020 16:28

Instrument :

MSVOA_V

ClientSampleId :

BFB85

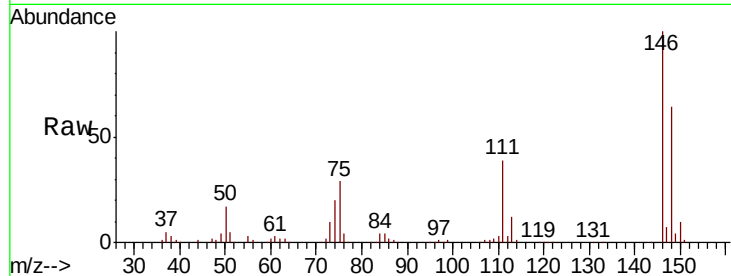
Tot Ion:146 Resp: 191711

Ion Ratio Lower Upper

146 100

111 39.0 27.1 50.3

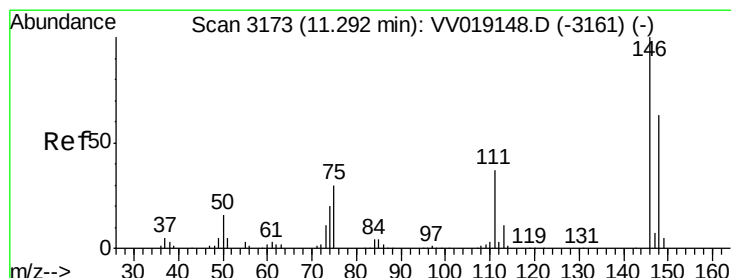
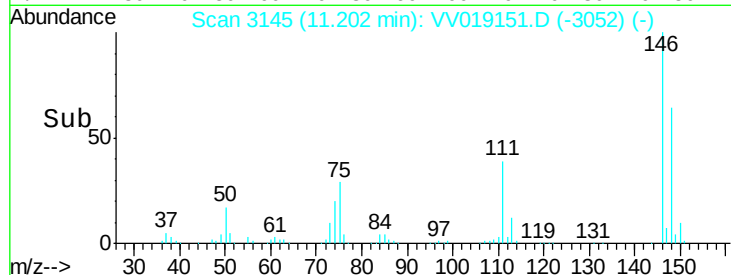
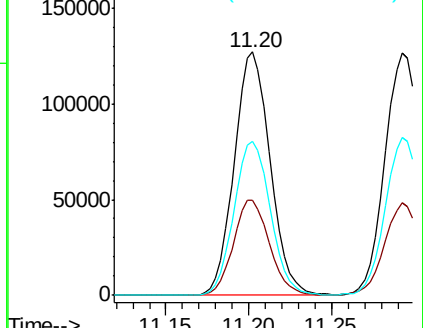
148 63.5 44.7 83.1



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: 47.489 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. 0.00 min

Lab File: VV019151.D

Acq: 29 Oct 2020 16:28

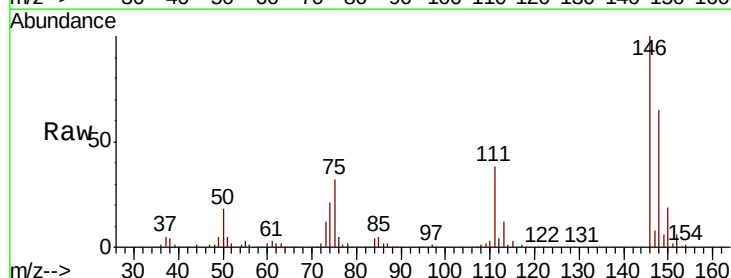
Tgt Ion:146 Resp: 198209

Ion Ratio Lower Upper

146 100

111 38.0 25.8 48.0

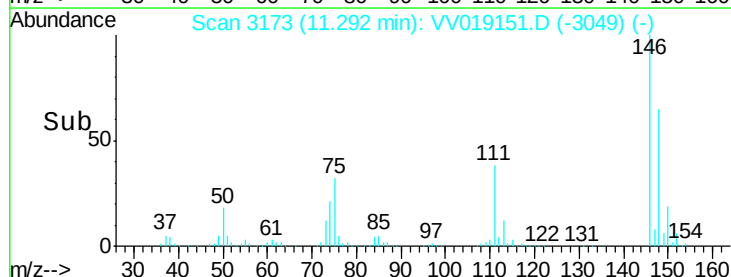
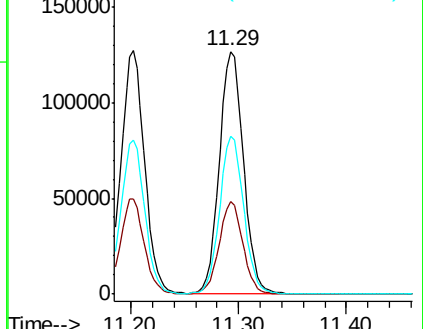
148 65.1 44.0 81.6

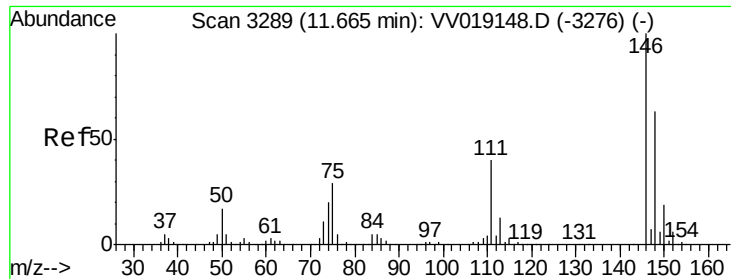


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 47.258 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. 0.00 min

Lab File: VV019151.D

Acq: 29 Oct 2020 16:28

Instrument :

MSVOA_V

ClientSampleId :

BFB85

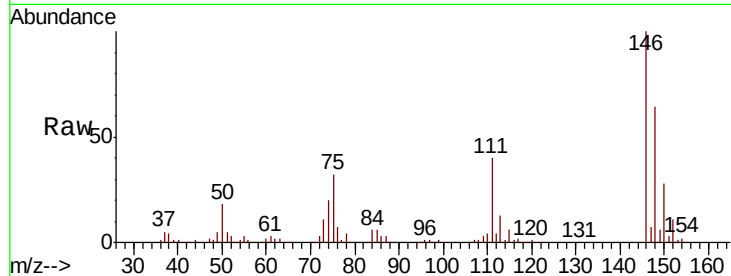
Tot Ion:146 Resp: 188016

Ion Ratio Lower Upper

146 100

111 40.5 32.2 48.4

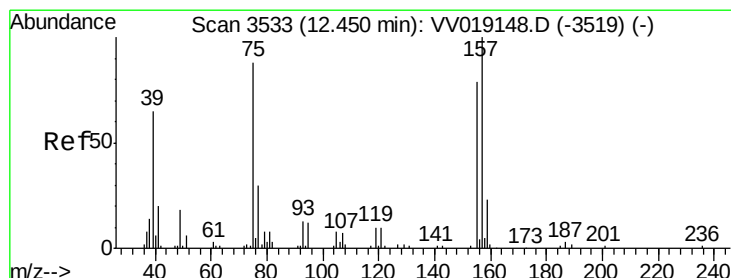
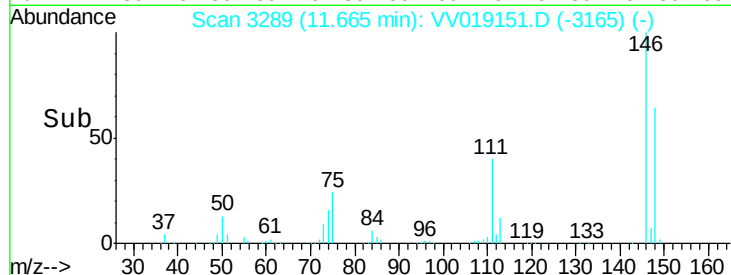
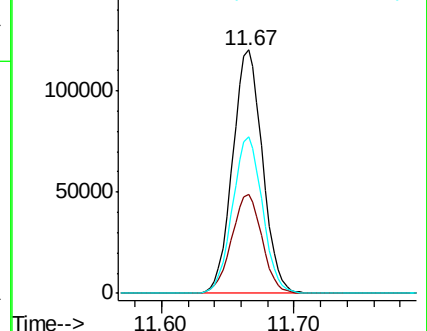
148 64.1 50.8 76.2



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: 46.940 ug/L

RT: 12.45 min Scan# 3533

Delta R.T. 0.00 min

Lab File: VV019151.D

Acq: 29 Oct 2020 16:28

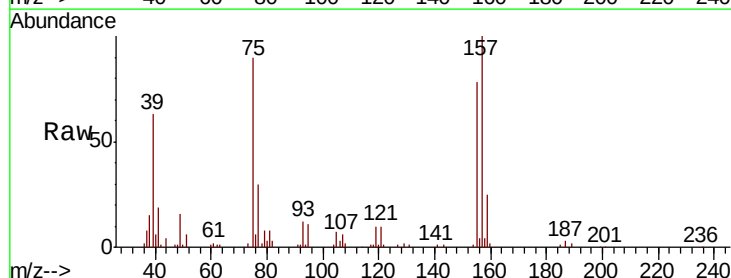
Tgt Ion: 75 Resp: 31954

Ion Ratio Lower Upper

75 100

155 86.7 71.1 106.7

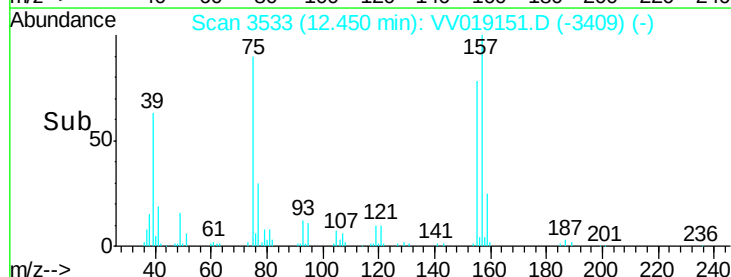
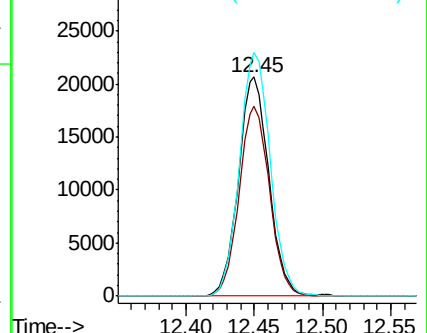
157 111.2 90.5 135.7

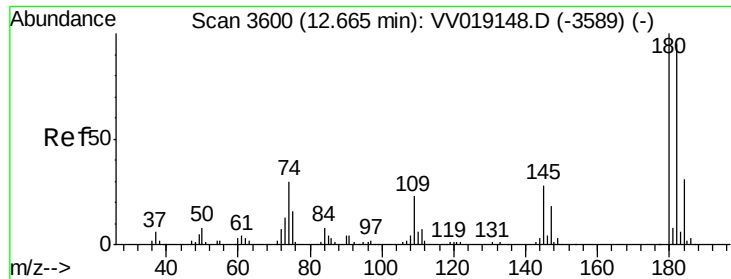


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

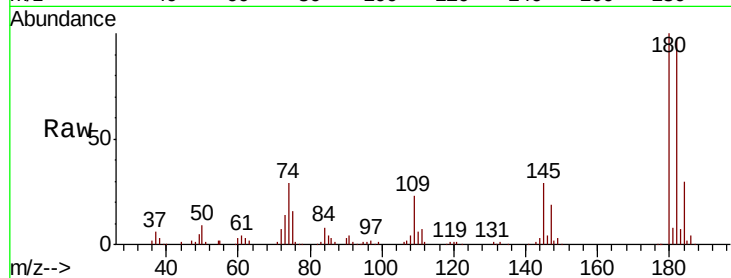




#67
 1,3,5-Trichlorobenzene
 Concen: 47.065 ug/L
 RT: 12.67 min Scan# 3600
 Delta R.T. -0.00 min
 Lab File: VV019151.D
 Acq: 29 Oct 2020 16:28

Instrument :
 MSVOA_V
 ClientSampled :
 BFB85

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.1	76.1	114.1
184	30.8	24.5	36.7
145	28.1	22.7	34.1

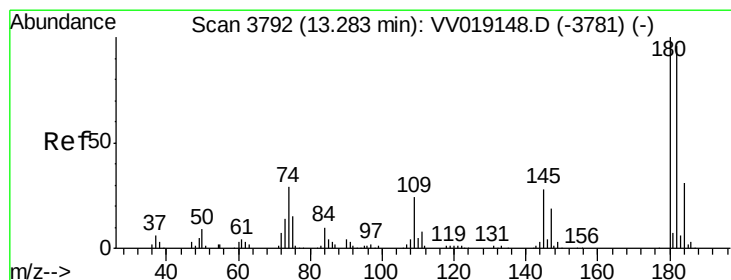
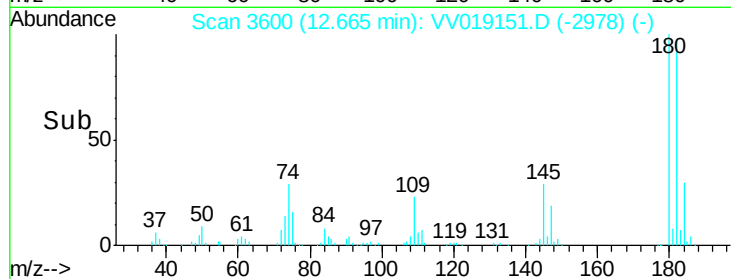
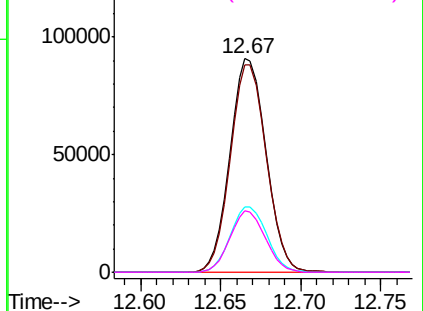


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

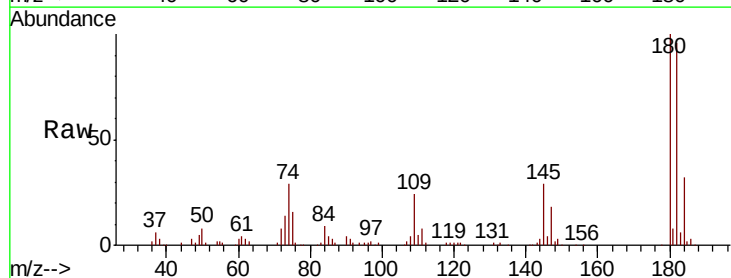
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 48.672 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. 0.00 min
 Lab File: VV019151.D
 Acq: 29 Oct 2020 16:28

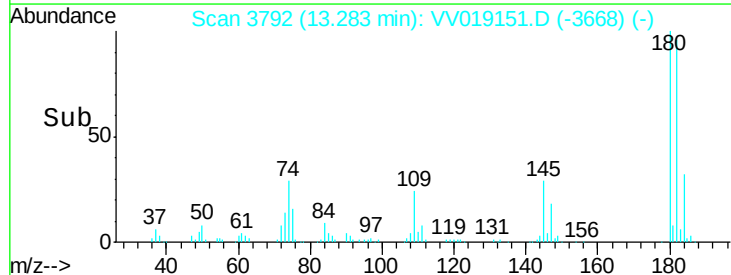
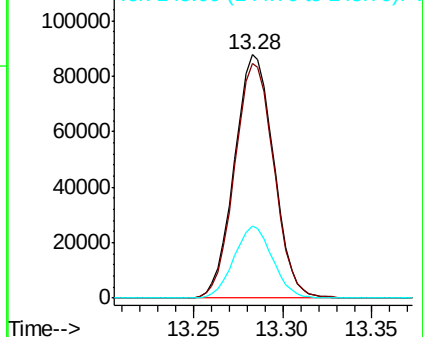
Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.2	75.8	113.6
145	28.8	22.6	34.0

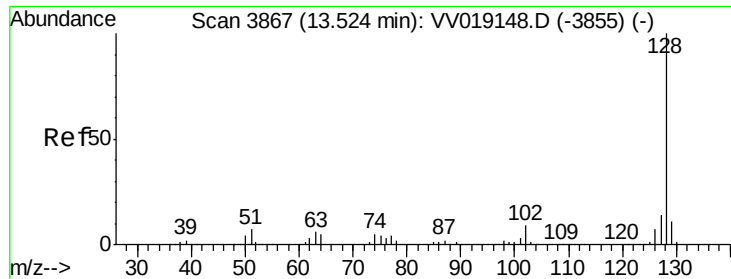


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 52.309 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. -0.00 min

Lab File: VV019151.D

Acq: 29 Oct 2020 16:28

Instrument :

MSVOA_V

ClientSampleId :

BFB85

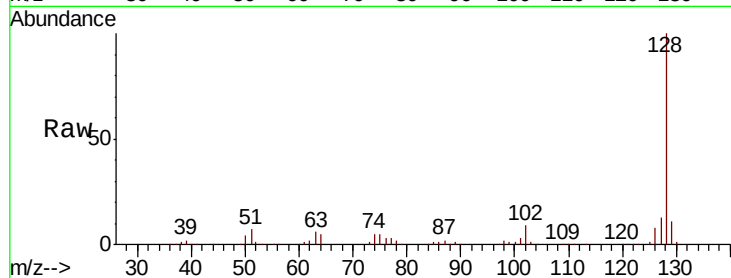
Tot Ion:128 Resp: 405834

Ion Ratio Lower Upper

128 100

127 13.0 10.8 16.2

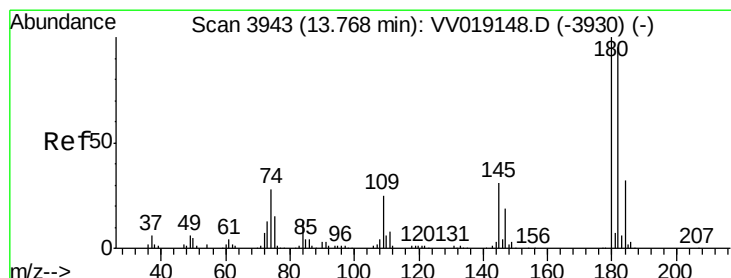
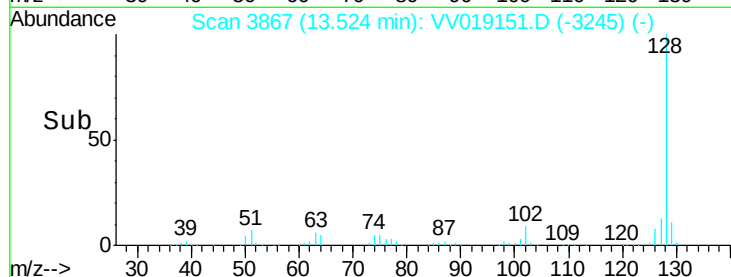
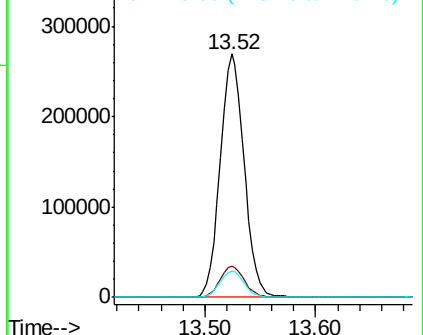
129 10.9 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 49.680 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. -0.00 min

Lab File: VV019151.D

Acq: 29 Oct 2020 16:28

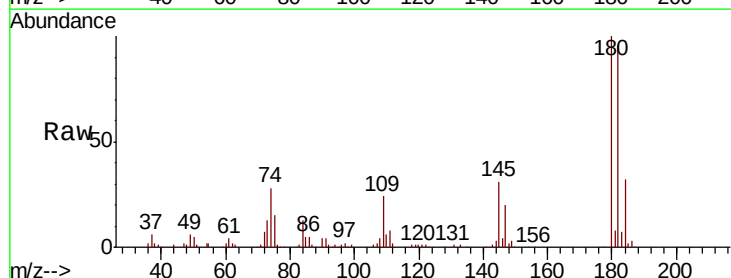
Tgt Ion:180 Resp: 134665

Ion Ratio Lower Upper

180 100

182 95.2 76.2 114.4

145 30.5 25.1 37.7



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

