

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV102920\
 Data File : VV019147.D
 Acq On : 29 Oct 2020 14:28
 Operator : SY/MD
 Sample : VSTD01063
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01063

Quant Time: Oct 29 15:14:50 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM102920WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Oct 29 15:07:11 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	230468	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	223392	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	120795	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	19110	9.35	ug/L	0.00
7) Chloroethane-d5	1.58	69	14738	9.03	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.12	63	36578	9.55	ug/L	0.00
21) 2-Butanone-d5	3.92	46	19787	14.60	ug/L	0.01
24) Chloroform-d	4.38	84	35316	9.76	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.06	65	24480	10.03	ug/L	0.00
32) Benzene-d6	5.08	84	64928	9.66	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.10	67	19041	8.89	ug/L	0.00
41) Toluene-d8	7.34	98	61907	10.19	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.65	79	10633	9.42	ug/L	0.00
47) 2-Hexanone-d5	8.11	63	15318	16.45	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.24	84	26019	9.07	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.65	152	26108	10.29	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	20772	11.349 ug/L	98
3) Chloromethane	1.25	50	19158	8.990 ug/L	99
5) Vinyl chloride	1.32	62	19253	9.056 ug/L	99
6) Bromomethane	1.53	94	12641	10.143 ug/L	97
8) Chloroethane	1.60	64	11516	8.670 ug/L	99
9) Trichlorofluoromethane	1.77	101	31399	10.729 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	15596	10.250 ug/L	98
12) 1,1-Dichloroethene	2.13	96	15031	9.897 ug/L	95
13) Acetone	2.19	43	21705	22.618 ug/L	98
14) Carbon disulfide	2.31	76	46206	9.290 ug/L	100
15) Methyl Acetate	2.45	43	16680	8.702 ug/L	100
16) Methylene chloride	2.52	84	16947	9.653 ug/L	94
17) trans-1,2-Dichloroethene	2.78	96	15718	9.784 ug/L	98
18) Methyl tert-butyl Ether	2.78	73	51423	9.842 ug/L	99
19) 1,1-Dichloroethane	3.21	63	30001	9.370 ug/L	98
20) cis-1,2-Dichloroethene	3.94	96	17239	9.982 ug/L	94
22) 2-Butanone	4.01	43	20482	16.102 ug/L	96
23) Bromochloromethane	4.28	128	9595	10.851 ug/L	99
25) Chloroform	4.41	83	31782	9.915 ug/L	99
27) 1,2-Dichloroethane	5.16	62	26340	9.886 ug/L	97
29) Cyclohexane	4.70	56	24731	9.530 ug/L	99
30) 1,1,1-Trichloroethane	4.64	97	30633	10.911 ug/L	99
31) Carbon tetrachloride	4.86	117	26904	10.919 ug/L	100
33) Benzene	5.13	78	63704	9.521 ug/L	100
34) Trichloroethene	5.94	95	18118	10.529 ug/L	97
35) Methylcyclohexane	6.16	83	23226	9.891 ug/L	97
37) 1,2-Dichloropropane	6.20	63	16853	9.277 ug/L #	95
38) Bromodichloromethane	6.53	83	23533	9.952 ug/L	97
39) cis-1,3-Dichloropropene	7.05	75	24459	8.928 ug/L	99
40) 4-Methyl-2-pentanone	7.25	43	42537	17.400 ug/L	99

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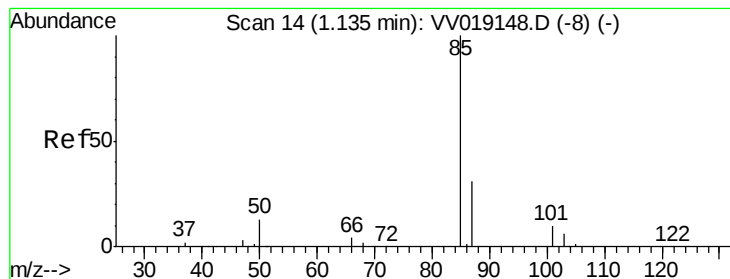
Instrument :
 MSVOA_V
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Quant Time: Oct 29 15:14:50 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM102920WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Oct 29 15:07:11 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

42) Toluene	7.41	91	70330	10.093	ug/L	99
44) trans-1,3-Dichloropropene	7.68	75	25461	9.323	ug/L	97
45) 1,1,2-Trichloroethane	7.86	97	15996	9.731	ug/L	97
46) Tetrachloroethene	8.00	164	14873	11.032	ug/L	97
48) 2-Hexanone	8.16	43	33695	17.860	ug/L	95
49) Dibromochloromethane	8.27	129	18865	10.357	ug/L	100
50) 1,2-Dibromoethane	8.38	107	16705	9.740	ug/L #	98
51) Chlorobenzene	8.90	112	47276	10.527	ug/L	98
52) Ethylbenzene	9.03	91	74595	9.895	ug/L	99
53) m,p-Xylene	9.16	106	28096	10.107	ug/L	97
54) o-xylene	9.56	106	26949	10.071	ug/L	97
55) Styrene	9.58	104	47769	10.069	ug/L	94
56) Isopropylbenzene	9.95	105	72116	10.198	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.26	83	24354	9.162	ug/L	97
59) 1,2,3-Trichloropropane	10.30	75	20956	9.717	ug/L	100
61) Bromoform	9.75	173	14448	10.553	ug/L	99
62) 1,3-Dichlorobenzene	11.20	146	38066	10.492	ug/L	98
63) 1,4-Dichlorobenzene	11.29	146	39811	10.498	ug/L	99
65) 1,2-Dichlorobenzene	11.67	146	38044	10.409	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.45	75	6461	10.156	ug/L	89
67) 1,3,5-Trichlorobenzene	12.67	180	27783	10.978	ug/L	100
68) 1,2,4-trichlorobenzene	13.28	180	25206	10.580	ug/L	99
69) Naphthalene	13.53	128	64512	9.007	ug/L	99
70) 1,2,3-Trichlorobenzene	13.77	180	24744	10.333	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 11.349 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

Lab File: VV019147.D

Acq: 29 Oct 2020 14:28

Instrument :

MSVOA_V

ClientSampleId :

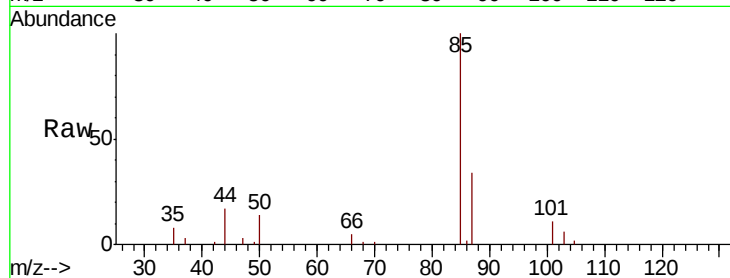
VSTD01063

Tot Ion: 85 Resp: 20772

Ion Ratio Lower Upper

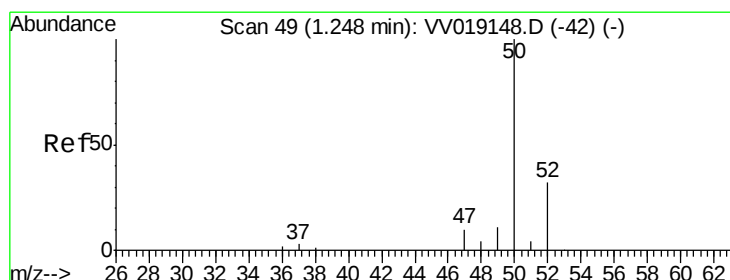
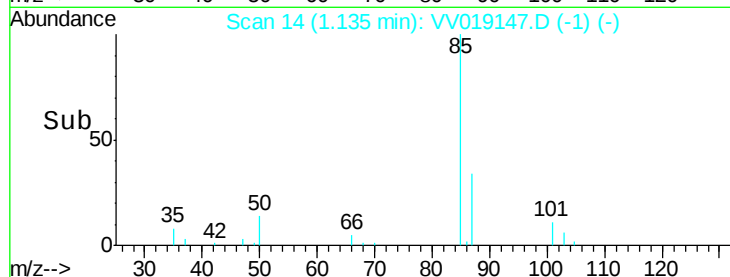
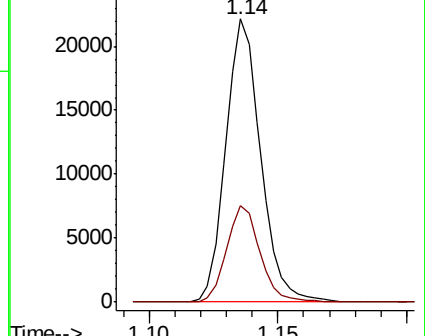
85 100

87 32.6 25.3 37.9



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 8.990 ug/L

RT: 1.25 min Scan# 49

Delta R.T. 0.00 min

Lab File: VV019147.D

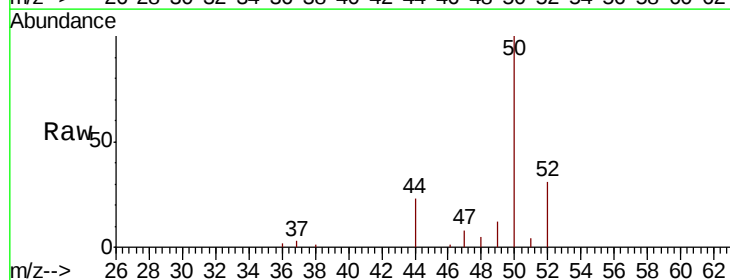
Acq: 29 Oct 2020 14:28

Tgt Ion: 50 Resp: 19158

Ion Ratio Lower Upper

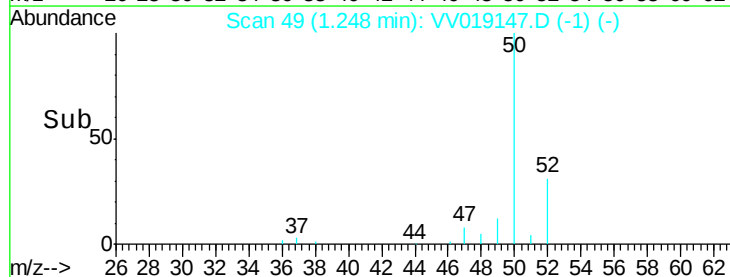
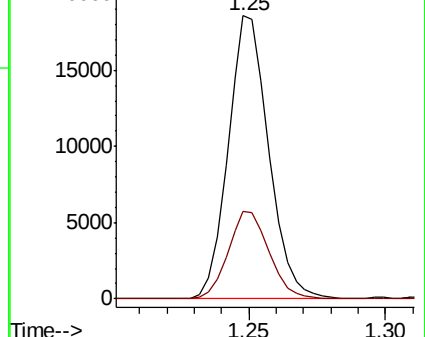
50 100

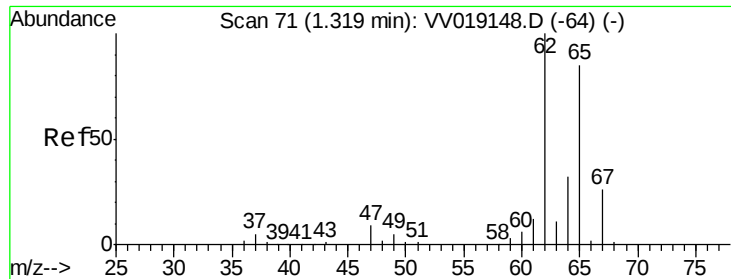
52 30.8 22.1 41.1



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0





#5

Vinyl chloride

Concen: 9.056 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV019147.D

Acq: 29 Oct 2020 14:28

Instrument :

MSVOA_V

ClientSampleId :

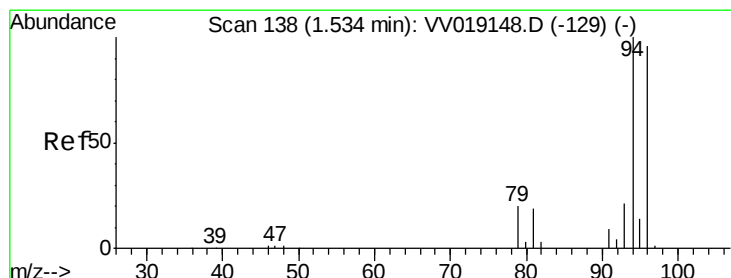
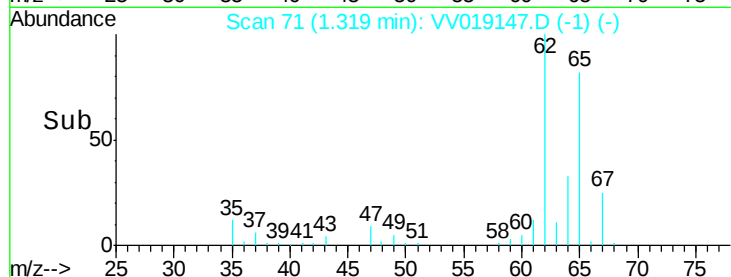
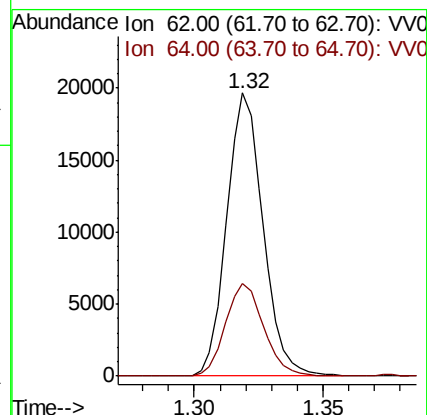
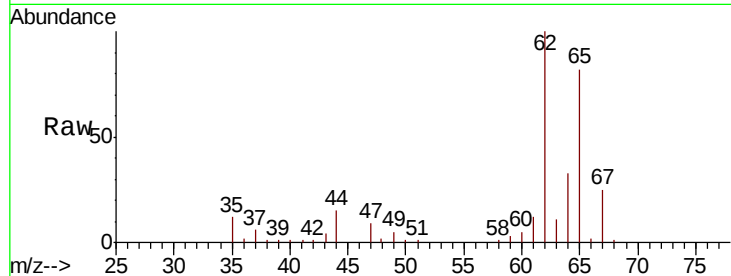
VSTD01063

Tot Ion: 62 Resp: 19253

Ion Ratio Lower Upper

62 100

64 32.9 22.7 42.3



#6

Bromomethane

Concen: 10.143 ug/L

RT: 1.53 min Scan# 137

Delta R.T. -0.00 min

Lab File: VV019147.D

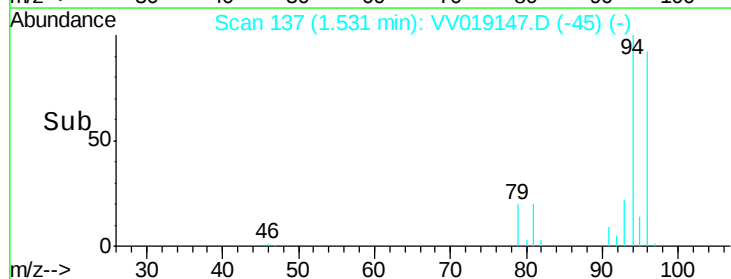
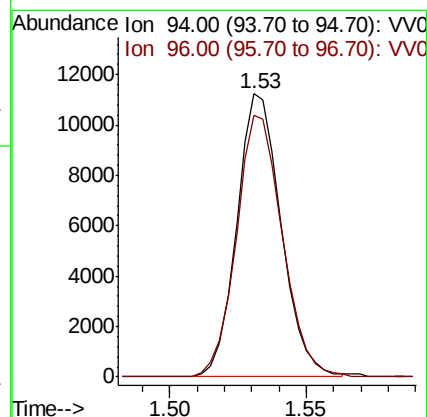
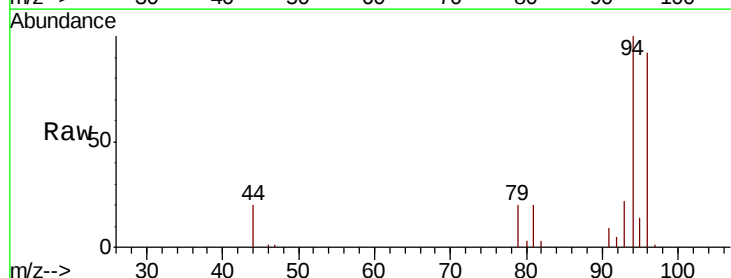
Acq: 29 Oct 2020 14:28

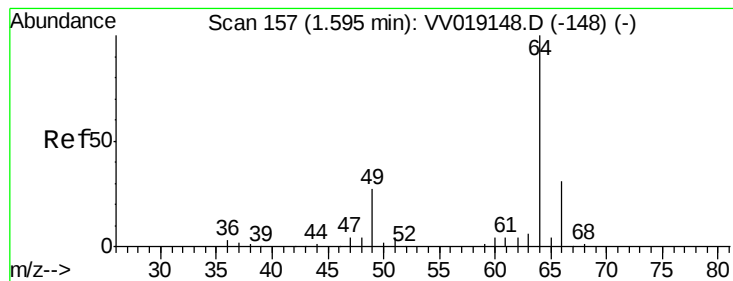
Tgt Ion: 94 Resp: 12641

Ion Ratio Lower Upper

94 100

96 92.5 67.0 124.4





#8

Chloroethane

Concen: 8.670 ug/L

RT: 1.60 min Scan# 157

Delta R.T. 0.00 min

Lab File: VV019147.D

Acq: 29 Oct 2020 14:28

Instrument :

MSVOA_V

ClientSampleId :

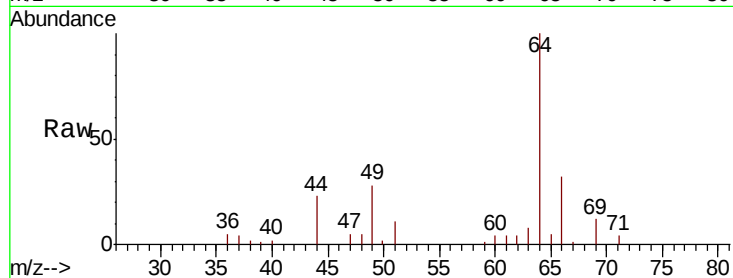
VSTD01063

Tot Ion: 64 Resp: 11516

Ion Ratio Lower Upper

64 100

66 32.1 22.0 40.8



Abundance Ion 64.00 (63.70 to 64.70): VV019147.D (-148) (-)

Ion 66.00 (65.70 to 66.70): VV019147.D (-148) (-)

1.60

12000

10000

8000

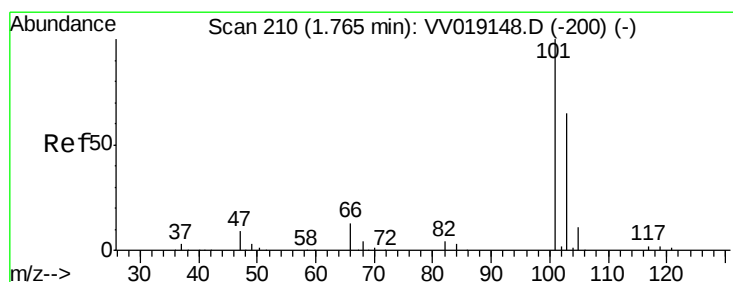
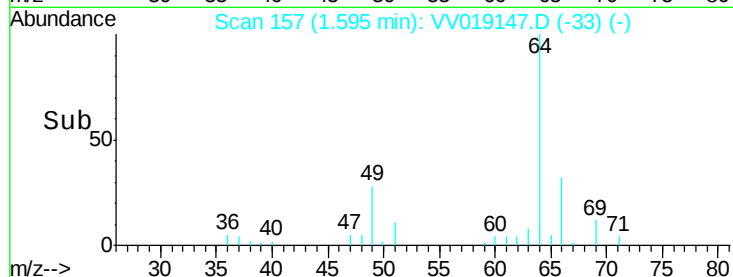
6000

4000

2000

0

Time-->



#9

Trichlorofluoromethane

Concen: 10.729 ug/L

RT: 1.77 min Scan# 210

Delta R.T. 0.00 min

Lab File: VV019147.D

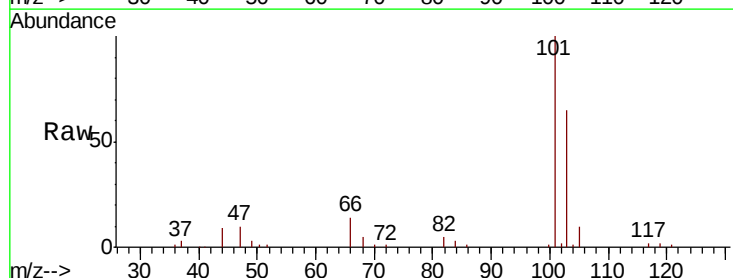
Acq: 29 Oct 2020 14:28

Tgt Ion: 101 Resp: 31399

Ion Ratio Lower Upper

101 100

103 66.0 51.9 77.9



Abundance Ion 101.00 (100.70 to 101.70): VV019147.D (-200) (-)

Ion 103.00 (102.70 to 103.70): VV019147.D (-200) (-)

1.77

25000

20000

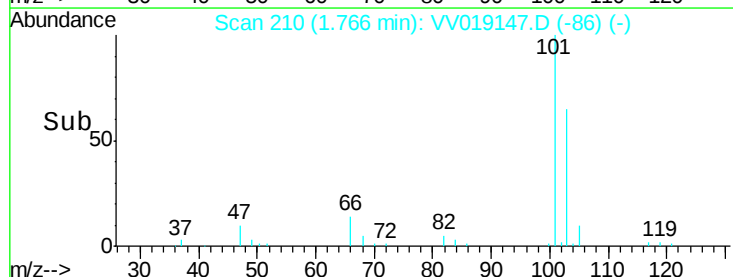
15000

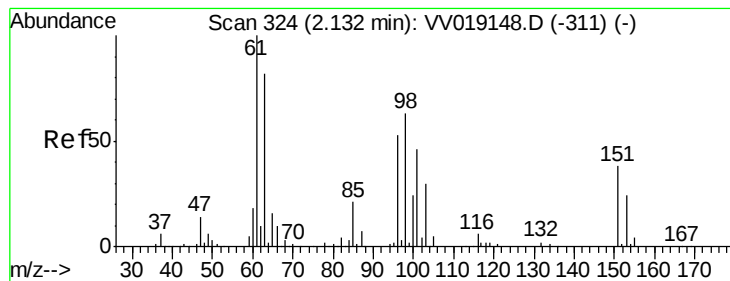
10000

5000

0

Time-->





#10

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

Concen: 10.250 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV019147.D

Acq: 29 Oct 2020 14:28

Instrument :

MSVOA_V

ClientSampleId :

VSTD01063

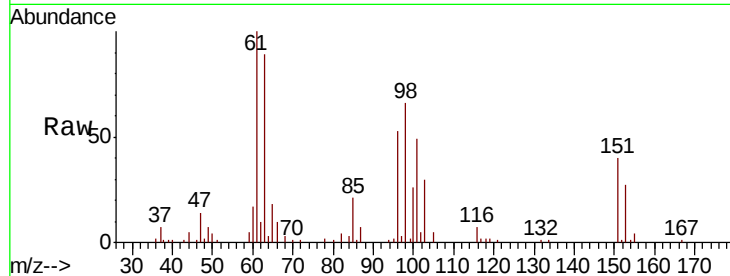
Tot Ion:101 Resp: 15596

Ion Ratio Lower Upper

101 100

85 43.4 36.1 54.1

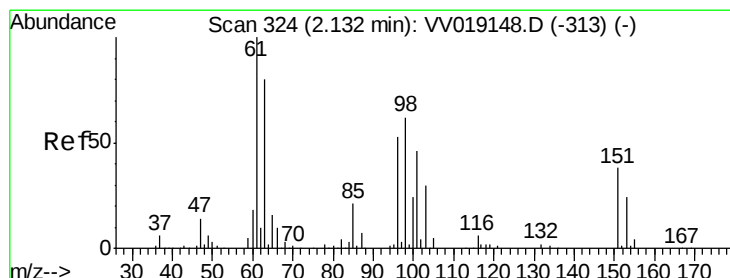
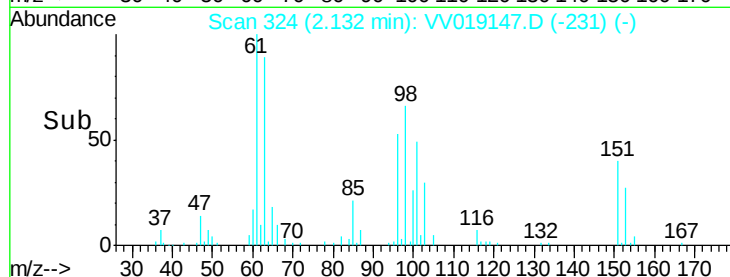
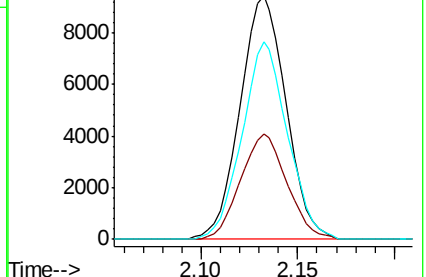
151 79.9 65.0 97.4



Abundance Ion 101.00 (100.70 to 101.70): VV019147.D (-231) (-)

Ion 85.00 (84.70 to 85.70): VV019147.D (-231) (-)

Ion 151.00 (150.70 to 151.70): VV019147.D (-231) (-)



#12

1,1-Dichloroethene

Concen: 9.897 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV019147.D

Acq: 29 Oct 2020 14:28

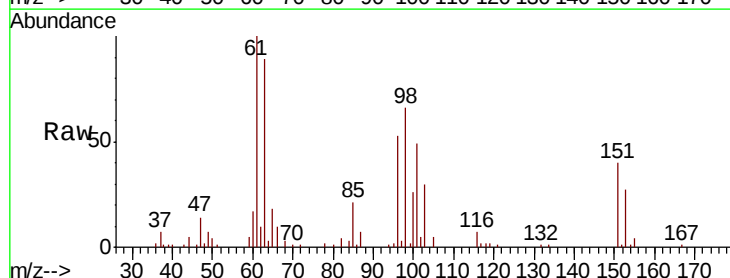
Tgt Ion: 96 Resp: 15031

Ion Ratio Lower Upper

96 100

61 187.1 132.6 246.2

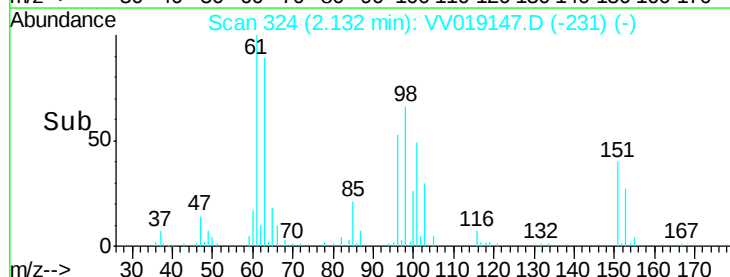
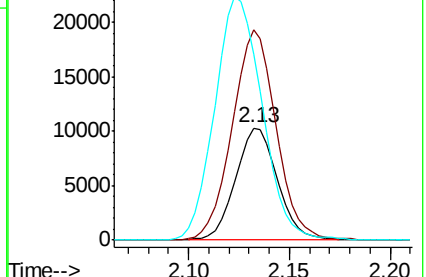
63 166.4 108.4 201.4

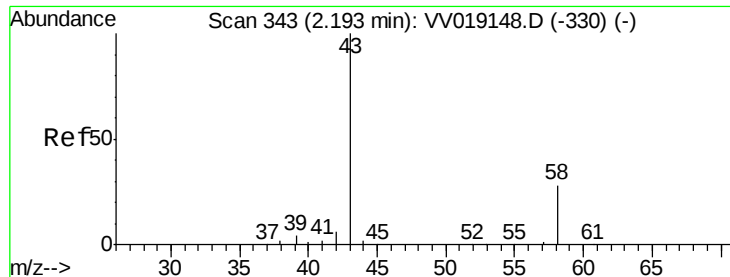


Abundance Ion 96.00 (95.70 to 96.70): VV019147.D (-231) (-)

Ion 61.00 (60.70 to 61.70): VV019147.D (-231) (-)

Ion 63.00 (62.70 to 63.70): VV019147.D (-231) (-)





#13

Acetone

Concen: 22.618 ug/L

RT: 2.19 min Scan# 343

Delta R.T. 0.00 min

Lab File: VV019147.D

Acq: 29 Oct 2020 14:28

Instrument :

MSVOA_V

ClientSampled :

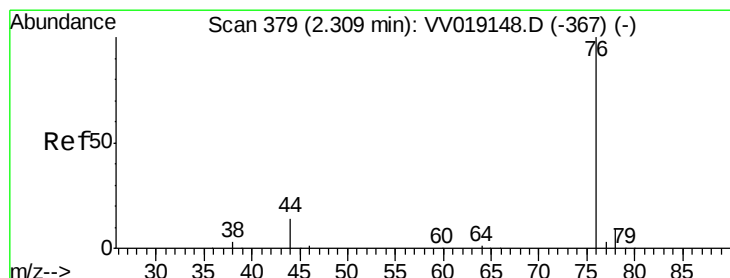
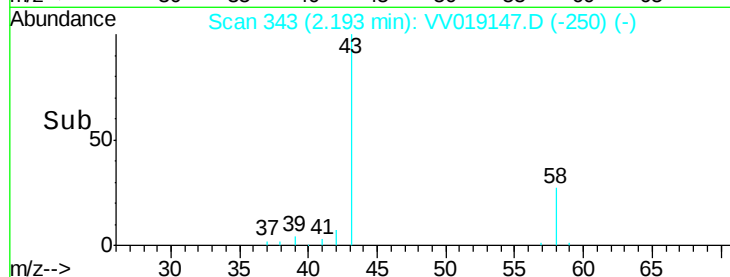
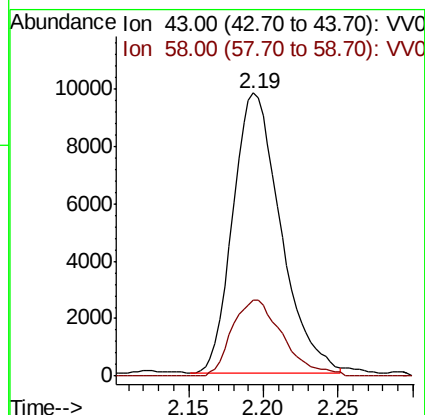
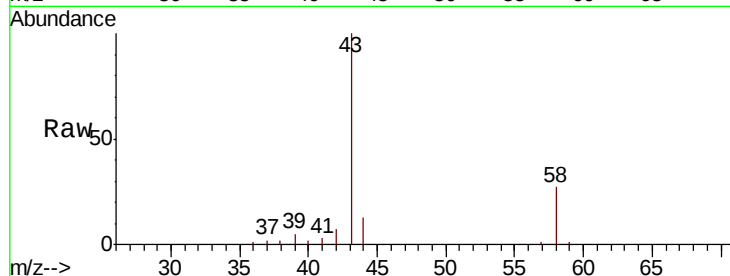
VSTD01063

Tot Ion: 43 Resp: 21705

Ion Ratio Lower Upper

43 100

58 28.9 0.0 59.4



#14

Carbon disulfide

Concen: 9.290 ug/L

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VV019147.D

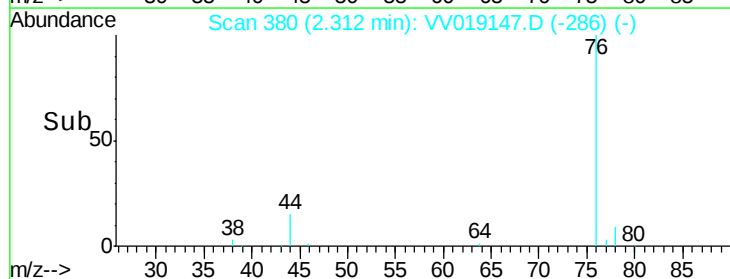
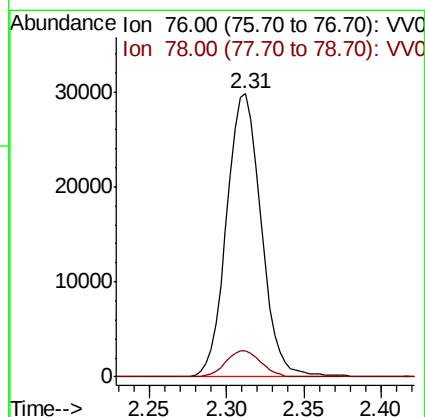
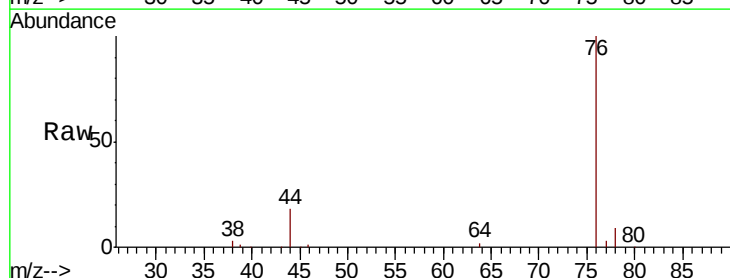
Acq: 29 Oct 2020 14:28

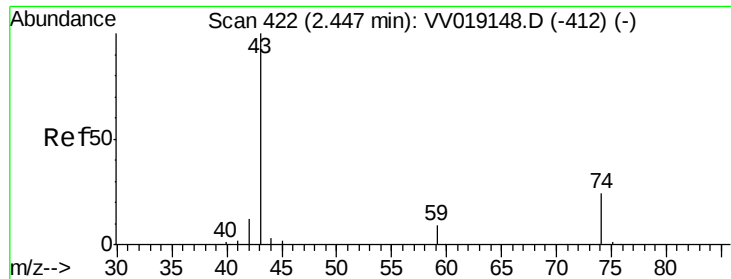
Tgt Ion: 76 Resp: 46206

Ion Ratio Lower Upper

76 100

78 9.1 7.4 11.0

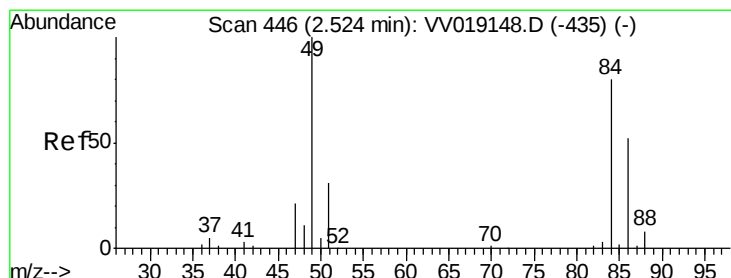
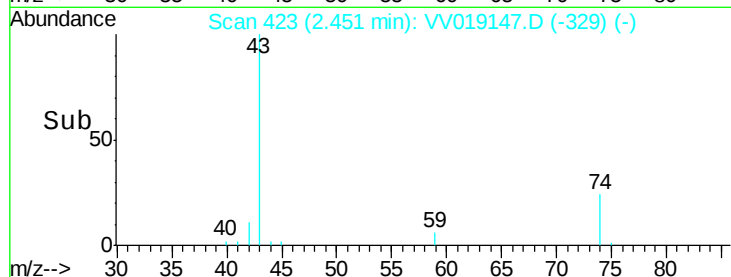
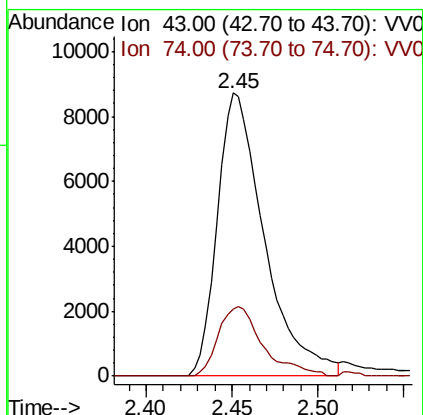
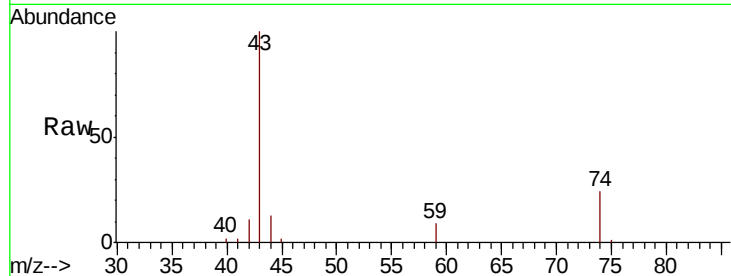




#15
Methvl Acetate
Concen: 8.702 ug/L
RT: 2.45 min Scan# 423
Delta R.T. 0.00 min
Lab File: VV019147.D
Acq: 29 Oct 2020 14:28

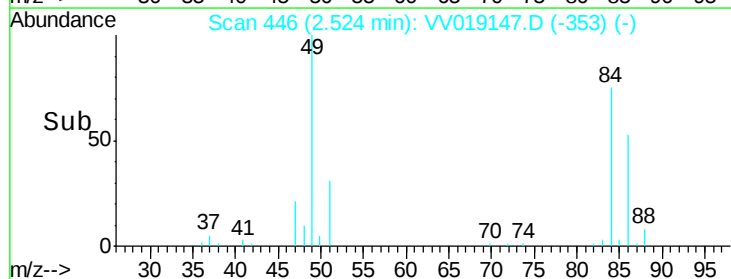
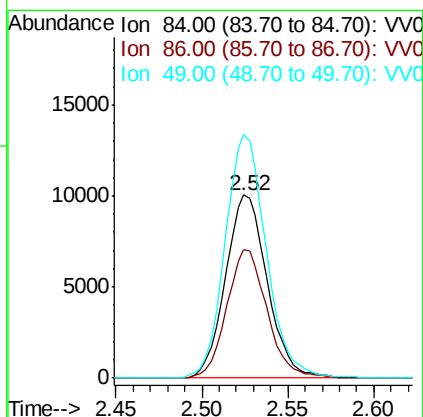
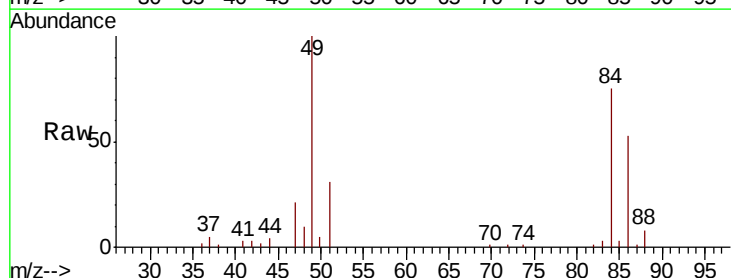
Instrument :
MSVOA_V
ClientSampleId :
VSTD01063

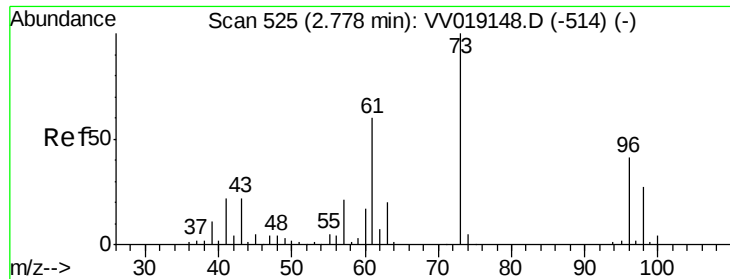
Tot Ion: 43 Resp: 16680
Ion Ratio Lower Upper
43 100
74 23.2 18.4 27.6



#16
Methylene chloride
Concen: 9.653 ug/L
RT: 2.52 min Scan# 446
Delta R.T. 0.00 min
Lab File: VV019147.D
Acq: 29 Oct 2020 14:28

Tgt Ion: 84 Resp: 16947
Ion Ratio Lower Upper
84 100
86 70.5 46.0 85.4
49 133.1 87.8 163.2

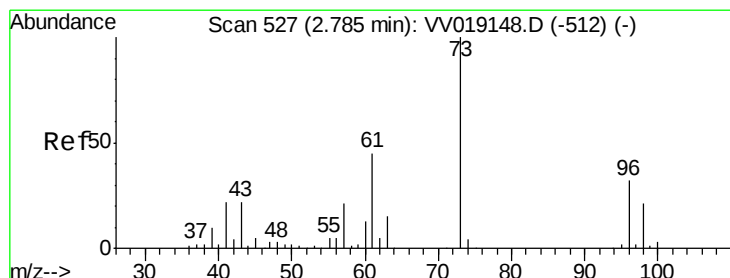
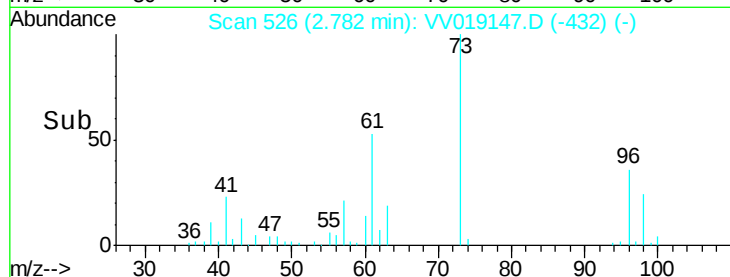
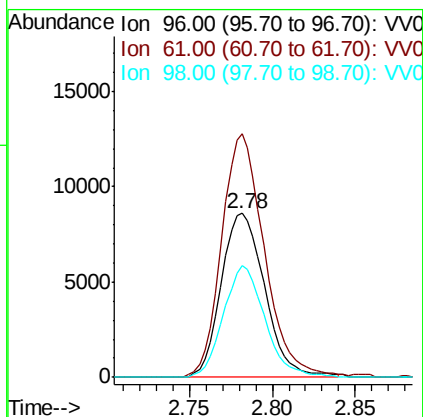
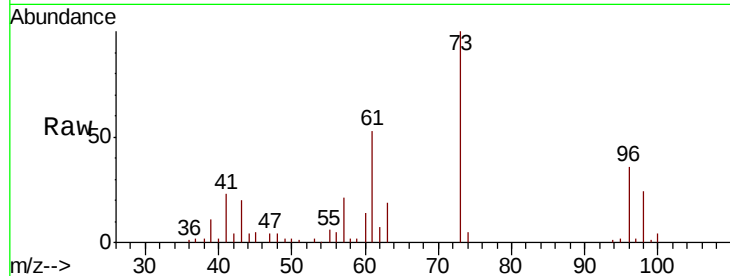




#17
trans-1,2-Dichloroethene
Concen: 9.784 ug/L
RT: 2.78 min Scan# 526
Delta R.T. 0.00 min
Lab File: VV019147.D
Acq: 29 Oct 2020 14:28

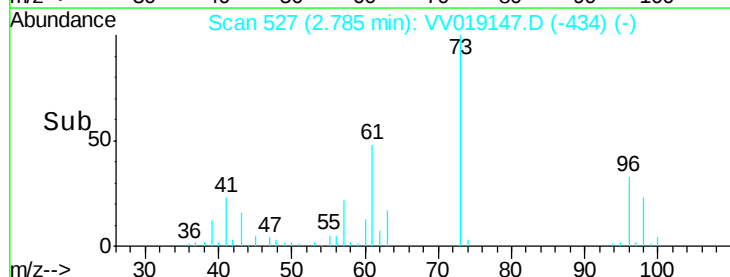
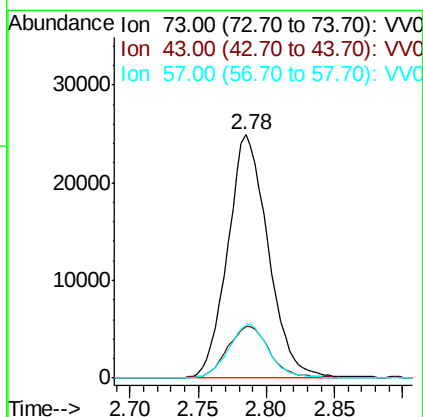
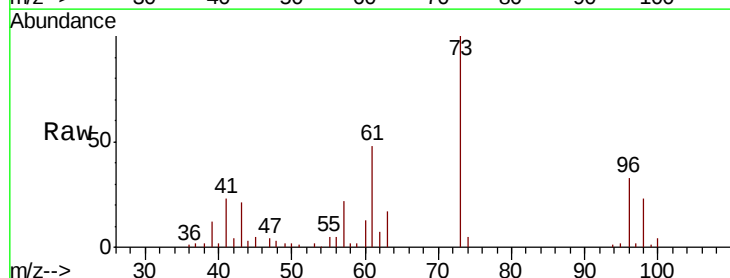
Instrument :
MSVOA_V
ClientSampleId :
VSTD01063

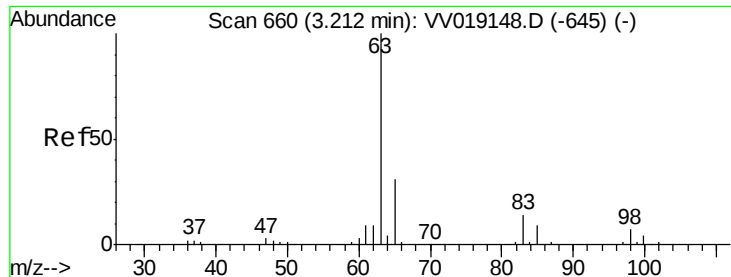
Tot Ion: 96 Resp: 15718
Ion Ratio Lower Upper
96 100
61 148.6 102.4 190.2
98 68.3 45.9 85.3



#18
Methyl tert-butyl Ether
Concen: 9.842 ug/L
RT: 2.78 min Scan# 527
Delta R.T. 0.00 min
Lab File: VV019147.D
Acq: 29 Oct 2020 14:28

Tgt Ion: 73 Resp: 51423
Ion Ratio Lower Upper
73 100
43 22.4 17.9 26.9
57 21.9 17.1 25.7

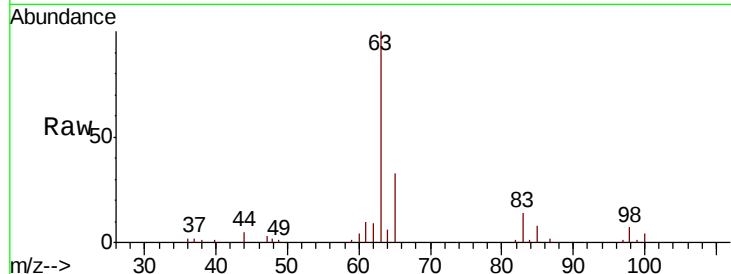




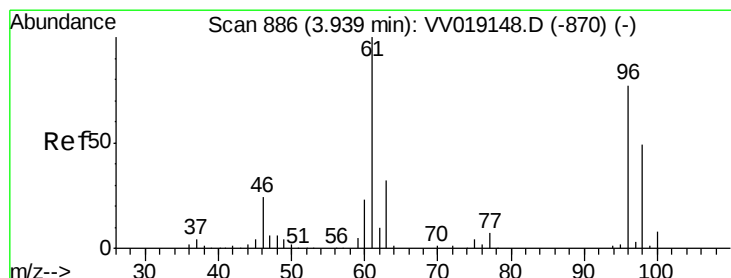
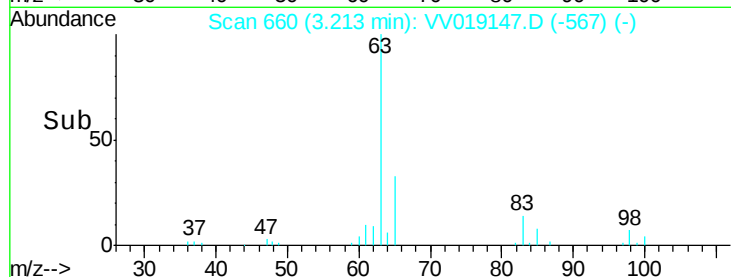
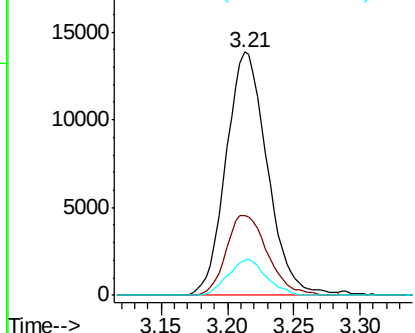
#19
 1,1-Dichloroethane
 Concen: 9.370 ug/L
 RT: 3.21 min Scan# 660
 Delta R.T. 0.00 min
 Lab File: VV019147.D
 Acq: 29 Oct 2020 14:28

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01063

Tot Ion: 63 Resp: 30001
 Ion Ratio Lower Upper
 63 100
 65 32.6 22.0 40.8
 83 14.5 9.6 17.8

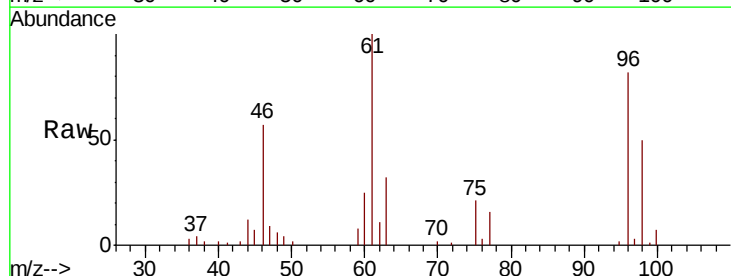


Abundance Ion 63.00 (62.70 to 63.70): VV0
 Ion 65.00 (64.70 to 65.70): VV0
 Ion 83.00 (82.70 to 83.70): VV0

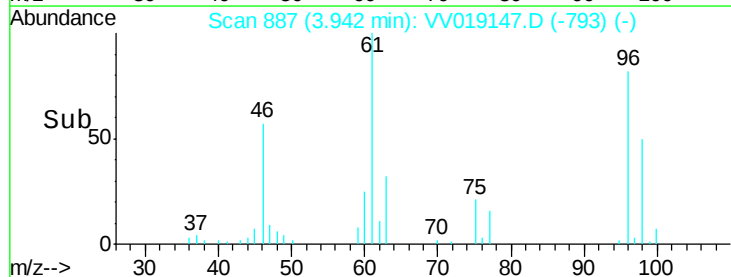
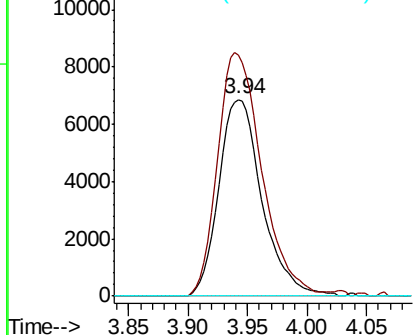


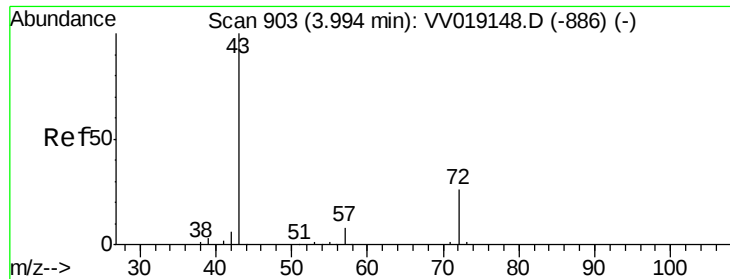
#20
 cis-1,2-Dichloroethene
 Concen: 9.982 ug/L
 RT: 3.94 min Scan# 887
 Delta R.T. 0.00 min
 Lab File: VV019147.D
 Acq: 29 Oct 2020 14:28

Tgt Ion: 96 Resp: 17239
 Ion Ratio Lower Upper
 96 100
 61 122.4 90.7 168.5
 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: 16.102 ug/L

RT: 4.01 min Scan# 908

Delta R.T. 0.02 min

Lab File: VV019147.D

Acq: 29 Oct 2020 14:28

Instrument :

MSVOA_V

ClientSampleId :

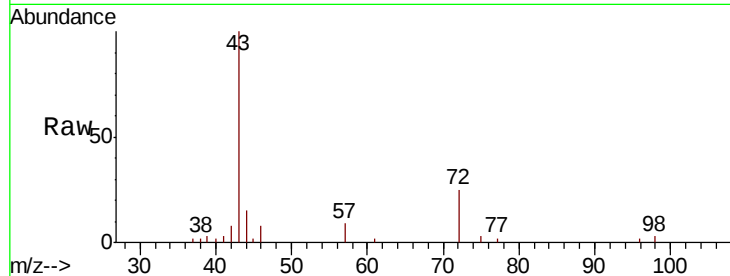
VSTD01063

Tot Ion: 43 Resp: 20482

Ion Ratio Lower Upper

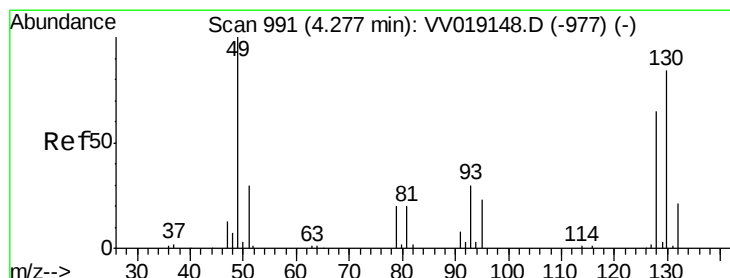
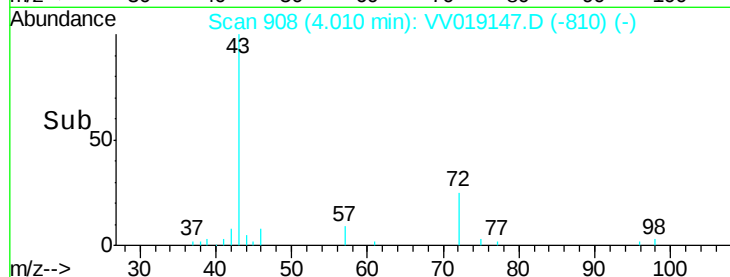
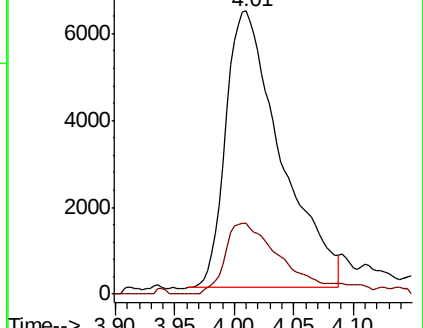
43 100

72 25.9 11.9 35.9



Abundance Ion 43.00 (42.70 to 43.70): VV019147.D (-810) (-)

Ion 72.00 (71.70 to 72.70): VV019147.D (-810) (-)



#23

Bromochloromethane

Concen: 10.851 ug/L

RT: 4.28 min Scan# 992

Delta R.T. 0.00 min

Lab File: VV019147.D

Acq: 29 Oct 2020 14:28

Tgt Ion: 128 Resp: 9595

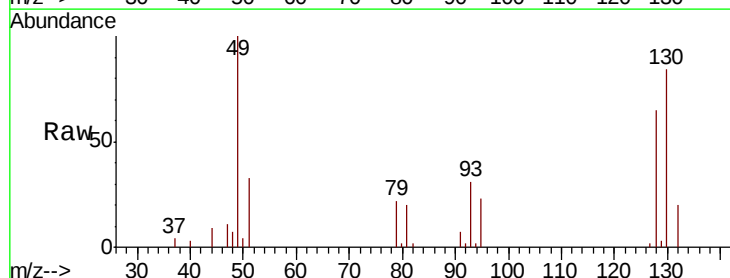
Ion Ratio Lower Upper

128 100

49 154.5 108.5 201.5

130 129.9 90.4 167.8

51 50.4 36.9 55.3

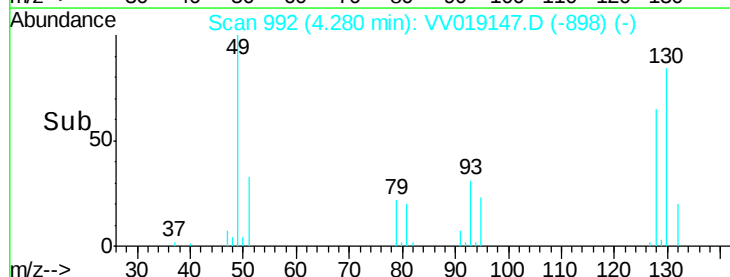
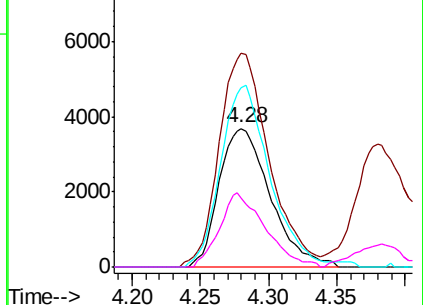


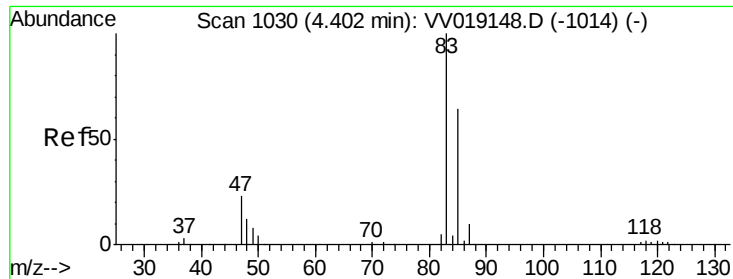
Abundance Ion 128.00 (127.70 to 128.70): VV019147.D (-898) (-)

Ion 49.00 (48.70 to 49.70): VV019147.D (-898) (-)

Ion 130.00 (129.70 to 130.70): VV019147.D (-898) (-)

Ion 51.00 (50.70 to 51.70): VV019147.D (-898) (-)

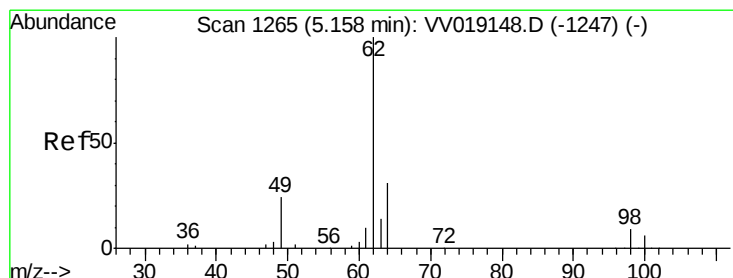
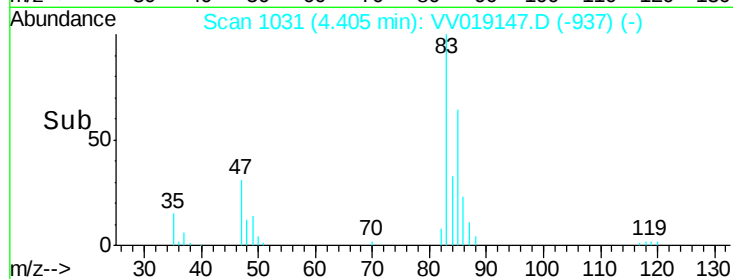
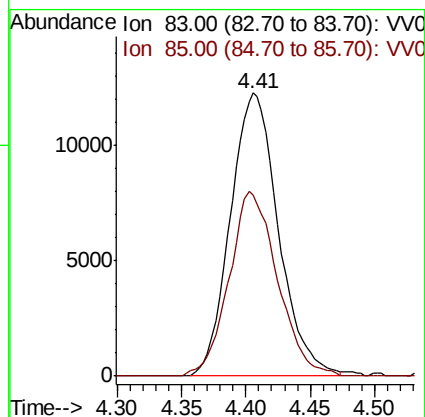
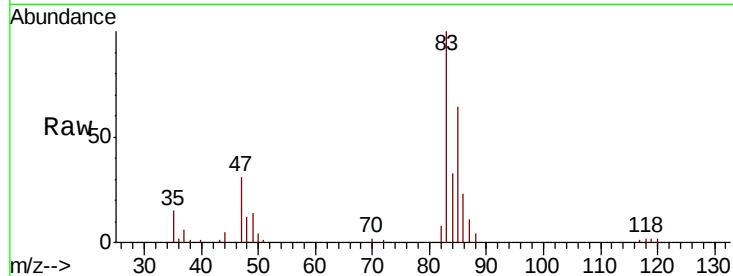




#25
Chloroform
Concen: 9.915 ug/L
RT: 4.41 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VV019147.D
Acq: 29 Oct 2020 14:28

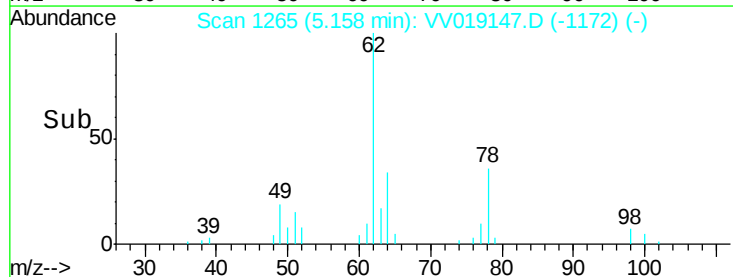
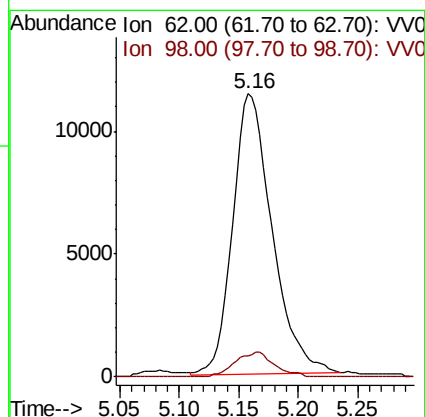
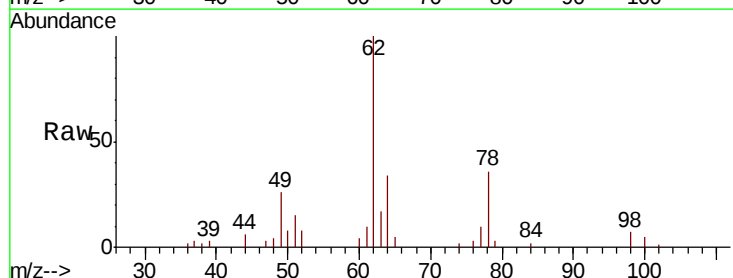
Instrument :
MSVOA_V
ClientSampleId :
VSTD01063

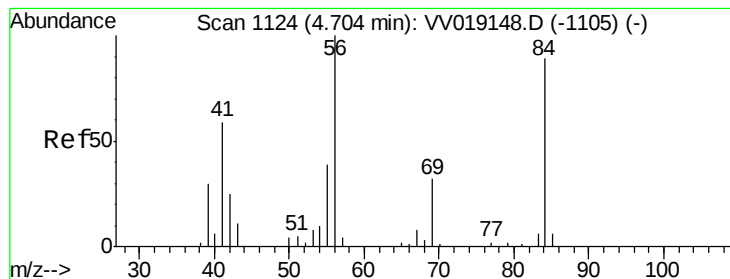
Tot Ion: 83 Resp: 31782
Ion Ratio Lower Upper
83 100
85 63.8 45.1 83.9



#27
1,2-Dichloroethane
Concen: 9.886 ug/L
RT: 5.16 min Scan# 1265
Delta R.T. 0.00 min
Lab File: VV019147.D
Acq: 29 Oct 2020 14:28

Tgt Ion: 62 Resp: 26340
Ion Ratio Lower Upper
62 100
98 7.5 6.8 10.2





#29

Cyclohexane

Concen: 9.530 ug/L

RT: 4.70 min Scan# 1123

Delta R.T. -0.00 min

Lab File: VV019147.D

Acq: 29 Oct 2020 14:28

Instrument :

MSVOA_V

ClientSampleId :

VSTD01063

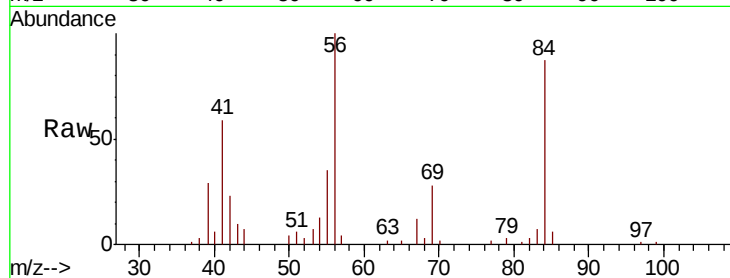
Tot Ion: 56 Resp: 24731

Ion Ratio Lower Upper

56 100

69 30.9 25.0 37.4

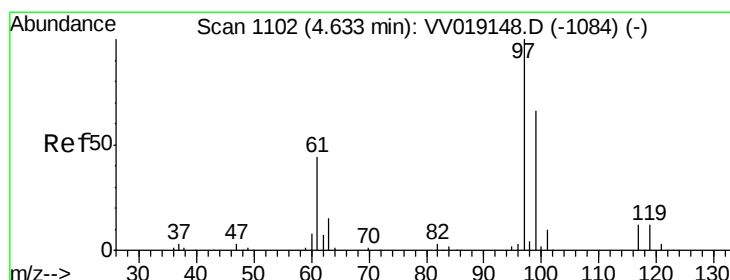
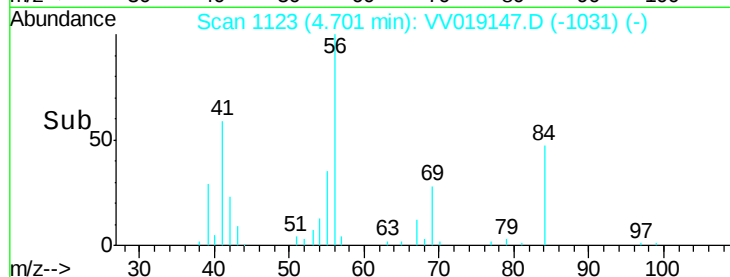
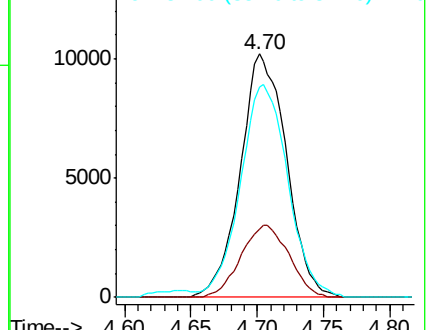
84 90.5 71.5 107.3



Abundance Ion 56.00 (55.70 to 56.70): VV0

Ion 69.00 (68.70 to 69.70): VV0

Ion 84.00 (83.70 to 84.70): VV0



#30

1,1,1-Trichloroethane

Concen: 10.911 ug/L

RT: 4.64 min Scan# 1103

Delta R.T. 0.00 min

Lab File: VV019147.D

Acq: 29 Oct 2020 14:28

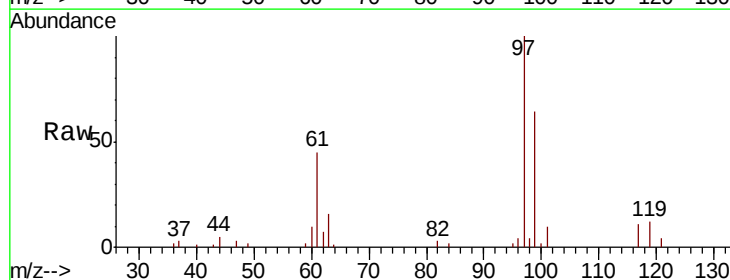
Tgt Ion: 97 Resp: 30633

Ion Ratio Lower Upper

97 100

99 63.8 51.3 76.9

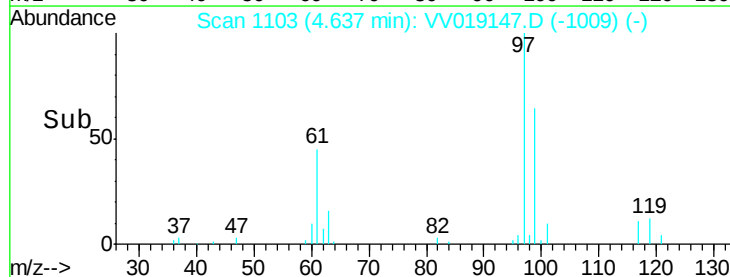
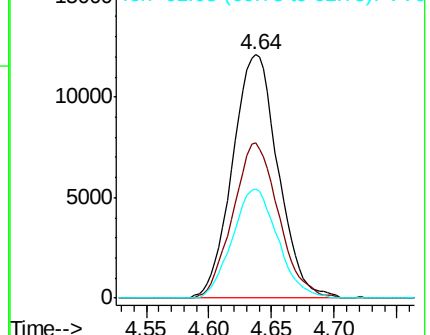
61 44.6 34.6 52.0

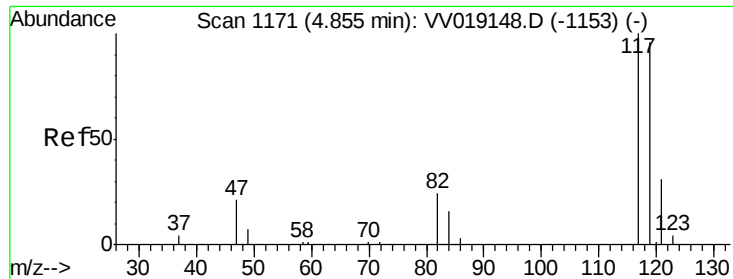


Abundance Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

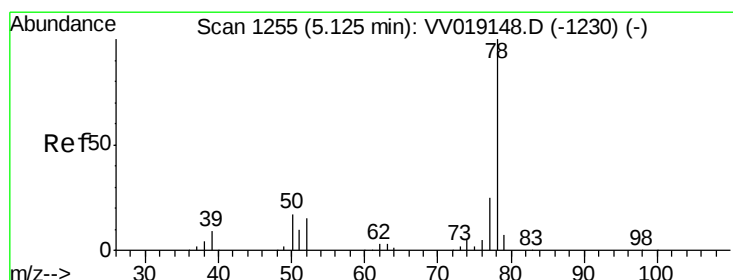
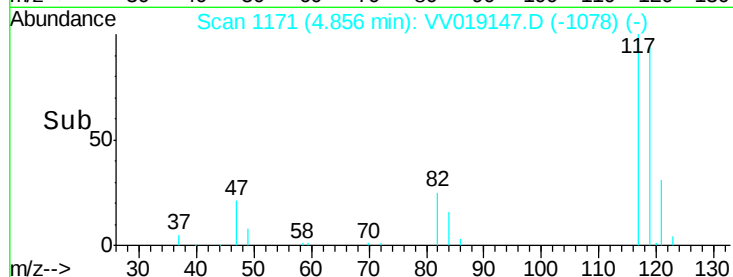
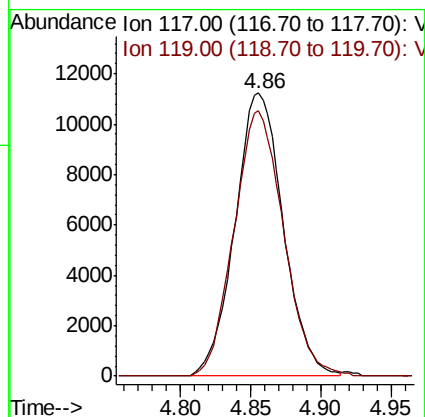
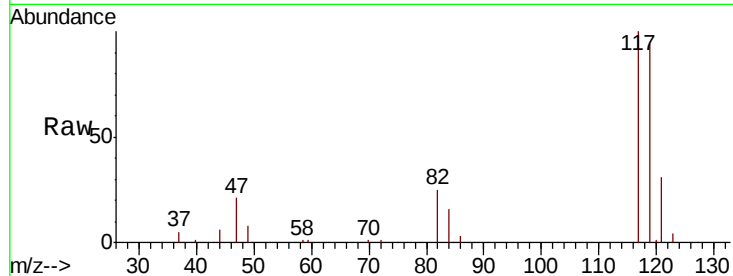




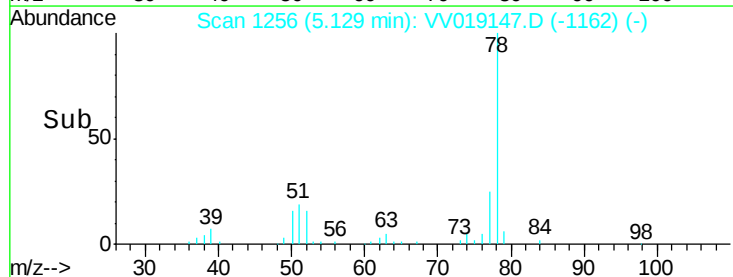
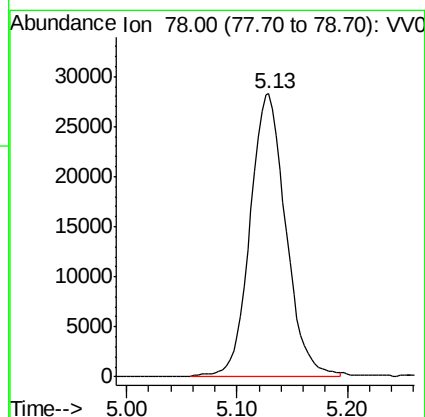
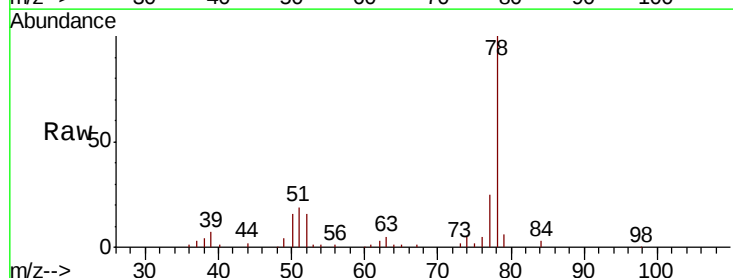
#31
Carbon tetrachloride
Concen: 10.919 ug/L
RT: 4.86 min Scan# 1171
Delta R.T. 0.00 min
Lab File: VV019147.D
Acq: 29 Oct 2020 14:28

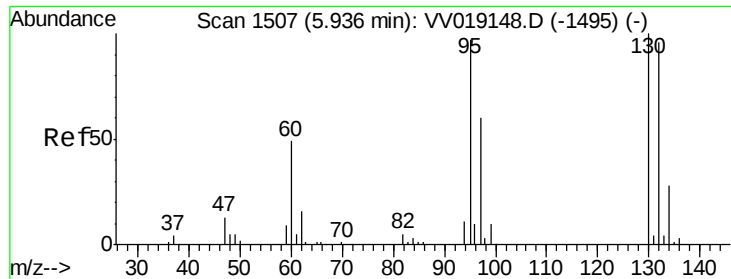
Instrument :
MSVOA_V
ClientSampleId :
VSTD01063

Tot Ion:117 Resp: 26904
Ion Ratio Lower Upper
117 100
119 96.2 77.2 115.8



#33
Benzene
Concen: 9.521 ug/L
RT: 5.13 min Scan# 1256
Delta R.T. 0.00 min
Lab File: VV019147.D
Acq: 29 Oct 2020 14:28
Tgt Ion: 78 Resp: 63704





#34

Trichloroethene

Concen: 10.529 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VV019147.D

Acq: 29 Oct 2020 14:28

Instrument :

MSVOA_V

ClientSampled :

VSTD01063

Tot Ion: 95 Resp: 18118

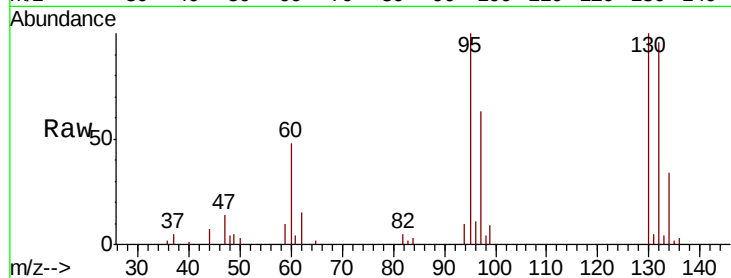
Ion Ratio Lower Upper

95 100

97 62.9 43.4 80.6

132 96.3 69.7 129.4

130 100.3 72.4 134.5

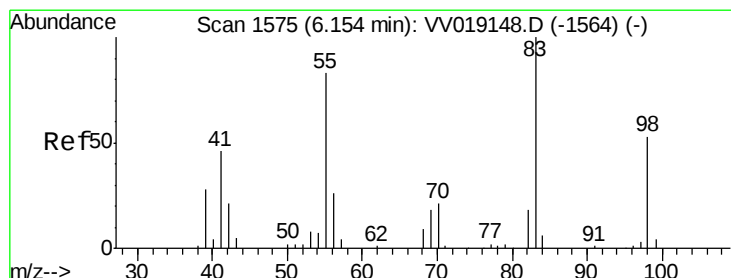
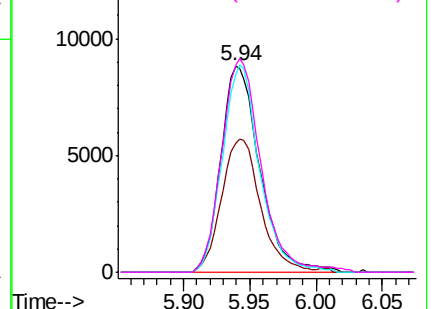
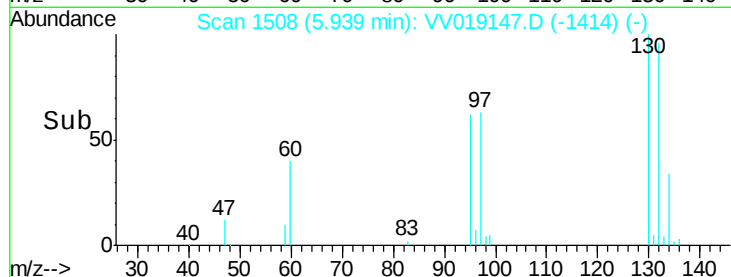


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 9.891 ug/L

RT: 6.16 min Scan# 1576

Delta R.T. 0.00 min

Lab File: VV019147.D

Acq: 29 Oct 2020 14:28

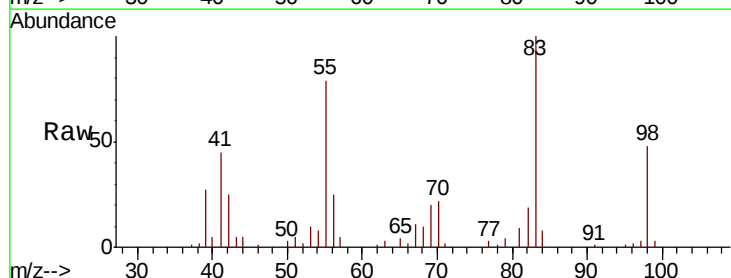
Tgt Ion: 83 Resp: 23226

Ion Ratio Lower Upper

83 100

55 81.0 62.2 93.4

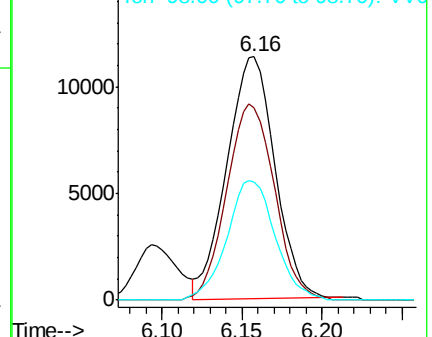
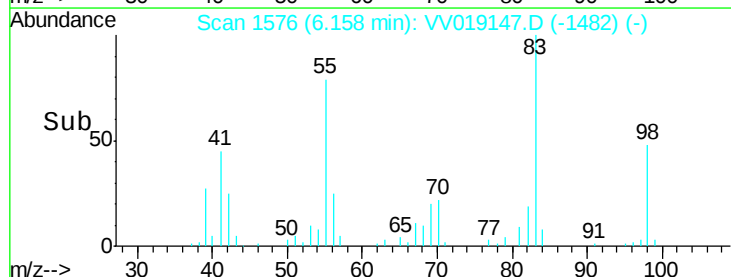
98 49.8 39.4 59.2

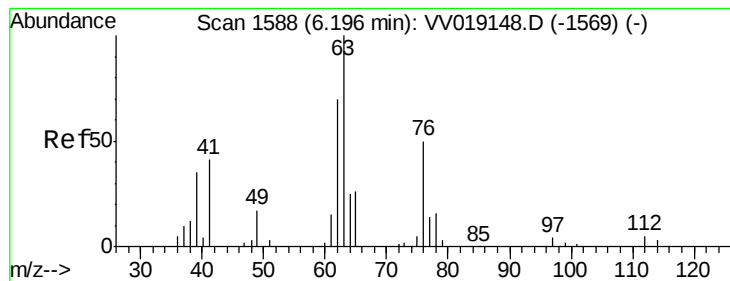


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0





#37

1,2-Dichloropropane

Concen: 9.277 ug/L

RT: 6.20 min Scan# 1589

Delta R.T. 0.00 min

Lab File: VV019147.D

Acq: 29 Oct 2020 14:28

Instrument :

MSVOA_V

ClientSampleId :

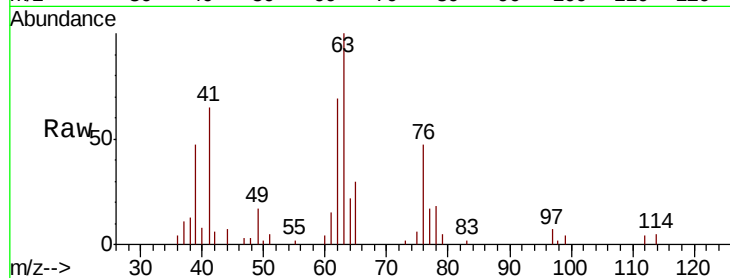
VSTD01063

Tot Ion: 63 Resp: 16853

Ion Ratio Lower Upper

63 100

112 3.1 3.8 5.8#



Abundance Ion 63.00 (62.70 to 63.70): VV019148.D (-1569) (-)

Ion 112.00 (111.70 to 112.70): VV019148.D (-1569) (-)

8000

6000

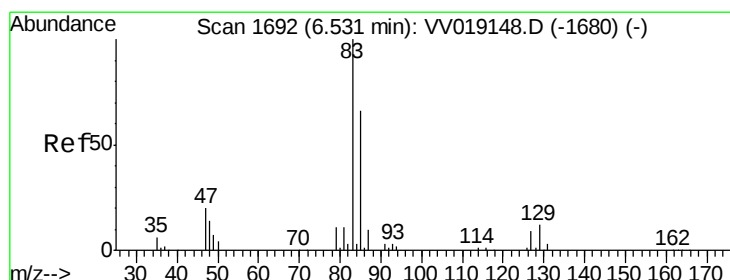
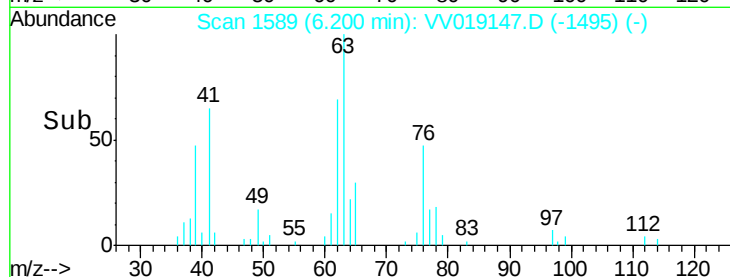
4000

2000

0

6.10 6.15 6.20 6.25 6.30

Time-->



#38

Bromodichloromethane

Concen: 9.952 ug/L

RT: 6.53 min Scan# 1693

Delta R.T. 0.00 min

Lab File: VV019147.D

Acq: 29 Oct 2020 14:28

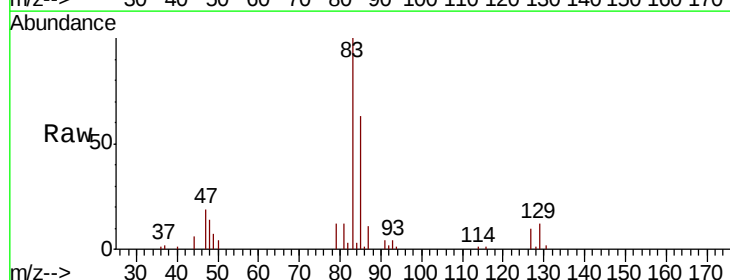
Tgt Ion: 83 Resp: 23533

Ion Ratio Lower Upper

83 100

85 63.3 45.9 85.3

127 9.8 6.9 10.3



Abundance Ion 83.00 (82.70 to 83.70): VV019148.D (-1680) (-)

Ion 85.00 (84.70 to 85.70): VV019148.D (-1680) (-)

Ion 127.00 (126.70 to 127.70): VV019148.D (-1680) (-)

15000

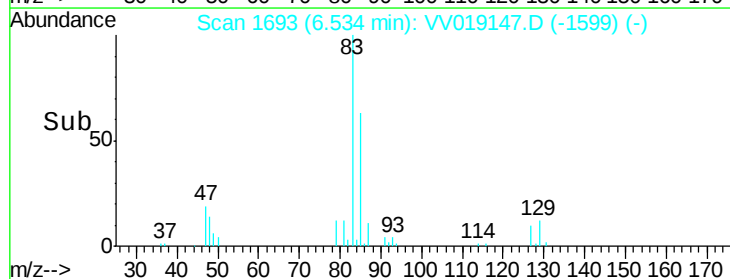
10000

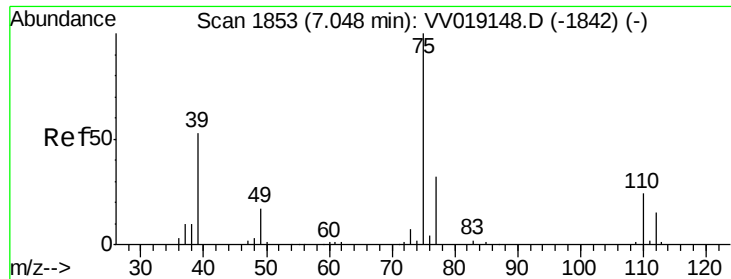
5000

0

6.45 6.50 6.55 6.60

Time-->



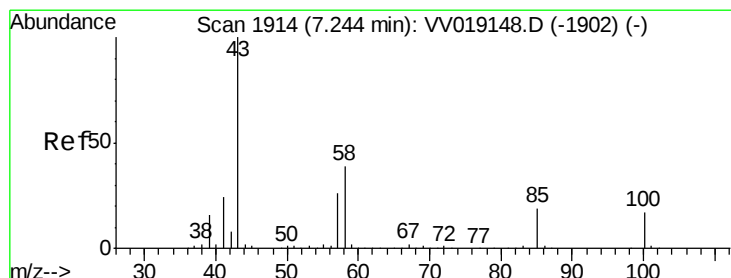
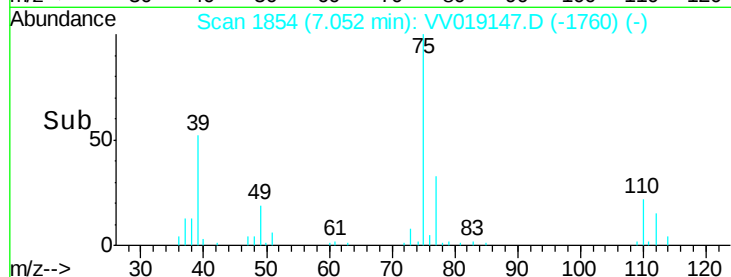
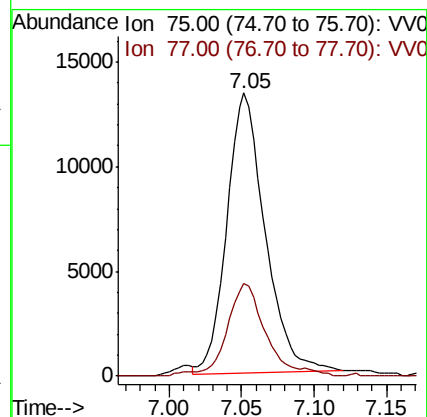
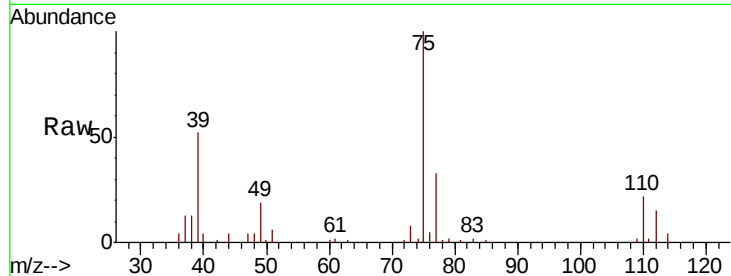


#39

cis-1,3-Dichloropropene
 Concen: 8.928 ug/L
 RT: 7.05 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: VV019147.D
 Acq: 29 Oct 2020 14:28

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01063

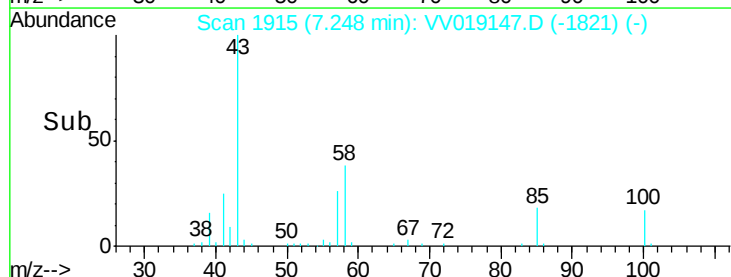
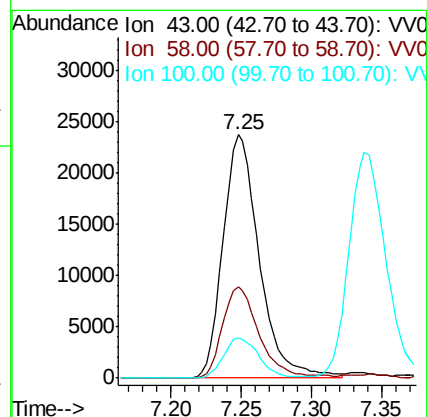
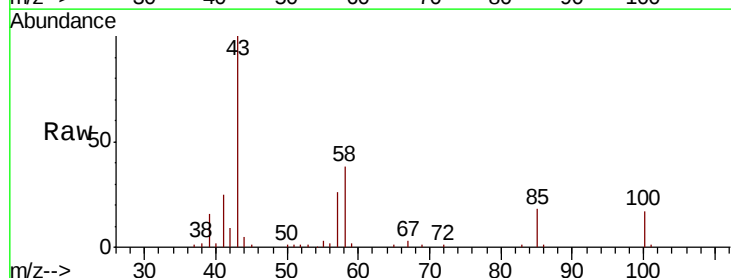
Tot Ion: 75 Resp: 24459
 Ion Ratio Lower Upper
 75 100
 77 32.7 22.7 42.1

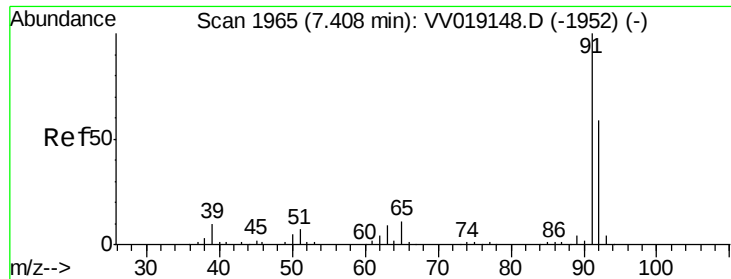


#40

4-Methyl-2-pentanone
 Concen: 17.400 ug/L
 RT: 7.25 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VV019147.D
 Acq: 29 Oct 2020 14:28

Tgt Ion: 43 Resp: 42537
 Ion Ratio Lower Upper
 43 100
 58 38.0 31.0 46.4
 100 15.9 13.2 19.8





#42

Toluene

Concen: 10.093 ug/L

RT: 7.41 min Scan# 1966

Delta R.T. 0.00 min

Lab File: VV019147.D

Acq: 29 Oct 2020 14:28

Instrument :

MSVOA_V

ClientSampleId :

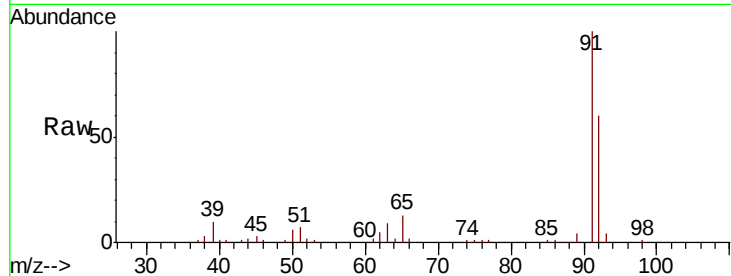
VSTD01063

Tot Ion: 91 Resp: 70330

Ion Ratio Lower Upper

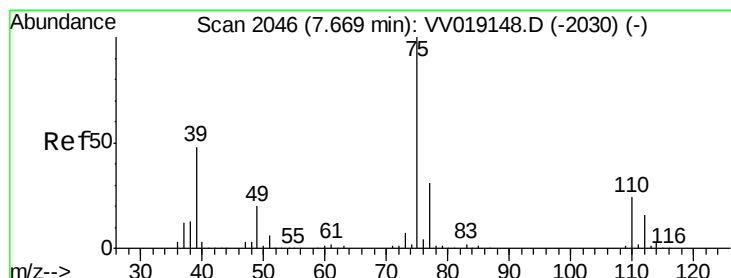
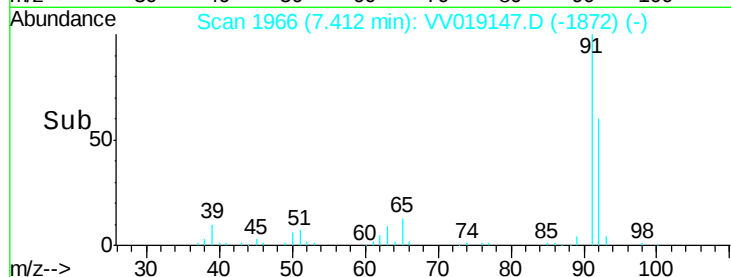
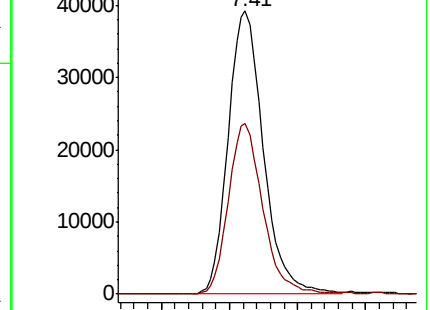
91 100

92 60.4 41.5 77.1



Abundance Ion 91.00 (90.70 to 91.70): VV019148.D (-1952) (-)

Ion 92.00 (91.70 to 92.70): VV019148.D (-1952) (-)



#44

trans-1,3-Dichloropropene

Concen: 9.323 ug/L

RT: 7.68 min Scan# 2048

Delta R.T. 0.01 min

Lab File: VV019147.D

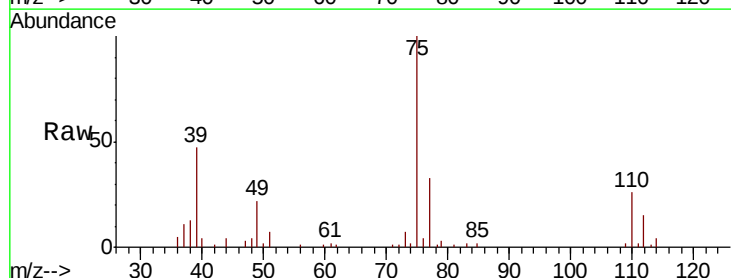
Acq: 29 Oct 2020 14:28

Tgt Ion: 75 Resp: 25461

Ion Ratio Lower Upper

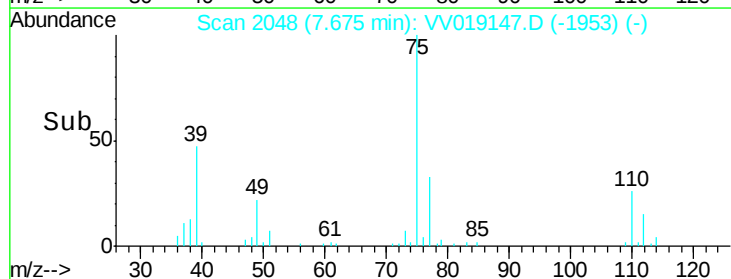
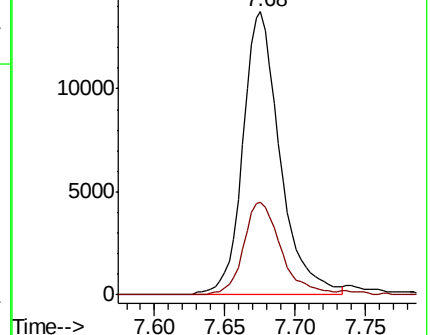
75 100

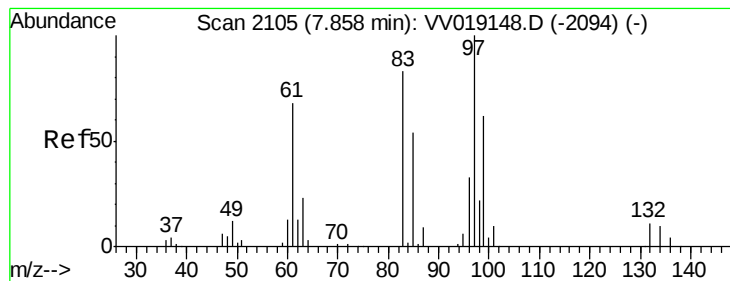
77 32.8 21.8 40.4



Abundance Ion 75.00 (74.70 to 75.70): VV019148.D (-2030) (-)

Ion 77.00 (76.70 to 77.70): VV019148.D (-2030) (-)





#45

1,1,2-Trichloroethane

Concen: 9.731 ug/L

RT: 7.86 min Scan# 2106

Delta R.T. 0.00 min

Lab File: VV019147.D

Acq: 29 Oct 2020 14:28

Instrument :

MSVOA_V

ClientSampleId :

VSTD01063

Tot Ion: 97 Resp: 15996

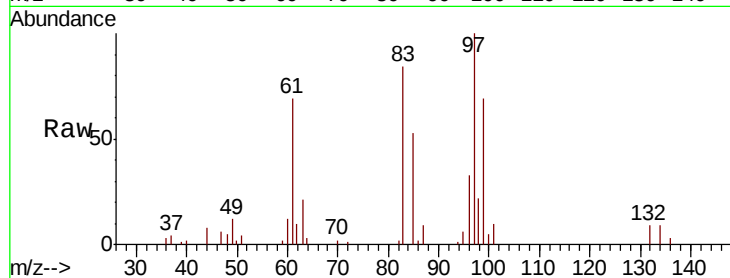
Ion Ratio Lower Upper

97 100

99 68.5 43.1 80.1

83 84.0 58.3 108.3

85 53.1 37.8 70.2

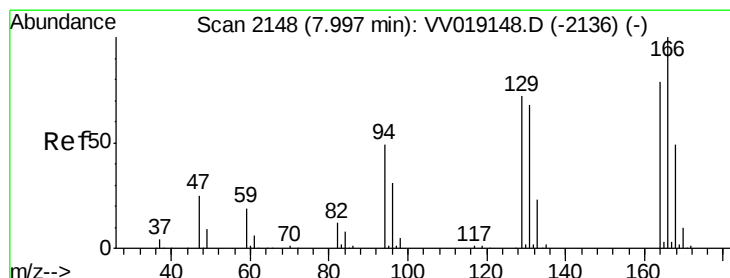
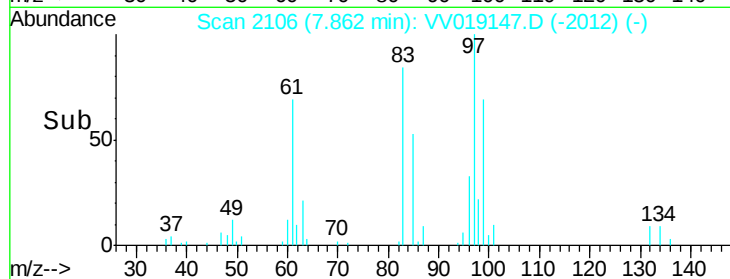
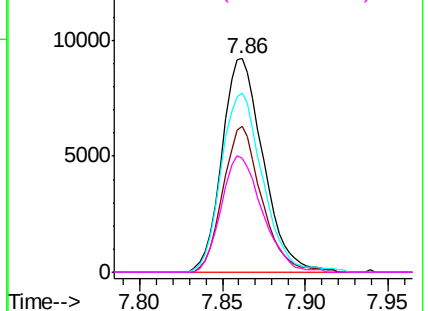


Abundance Ion 97.00 (96.70 to 97.70): VV0

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: 11.032 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. 0.00 min

Lab File: VV019147.D

Acq: 29 Oct 2020 14:28

Tgt Ion: 164 Resp: 14873

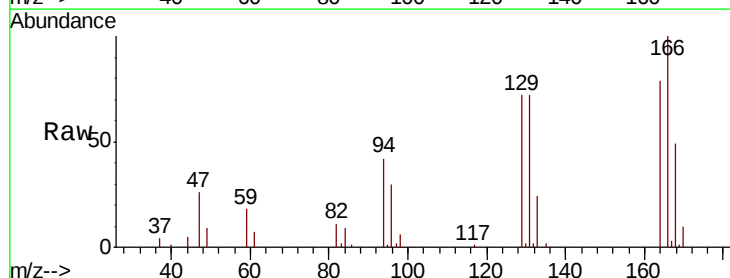
Ion Ratio Lower Upper

164 100

129 91.6 63.2 117.4

131 91.5 60.3 112.1

166 127.3 88.3 163.9

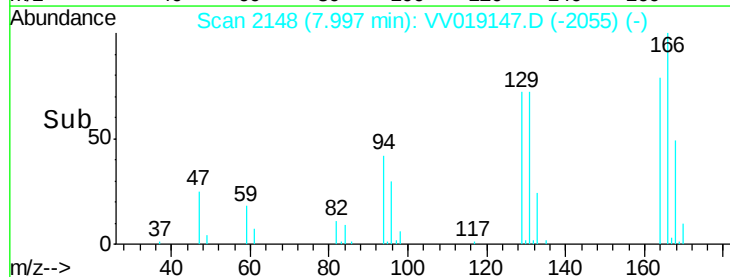
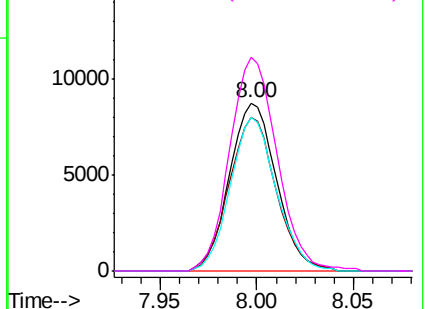


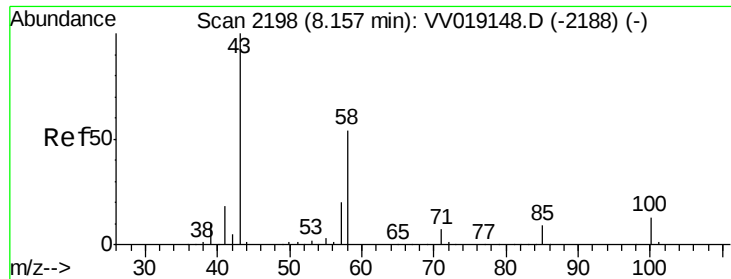
Abundance Ion 164.00 (163.70 to 164.70): V

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

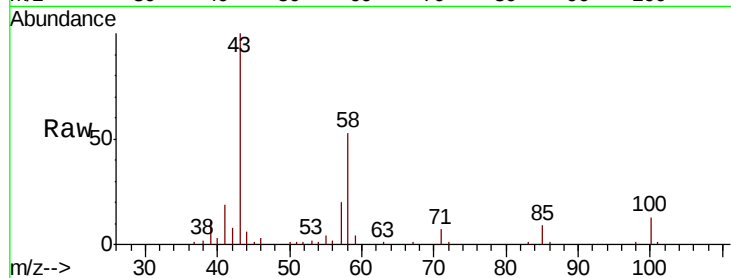




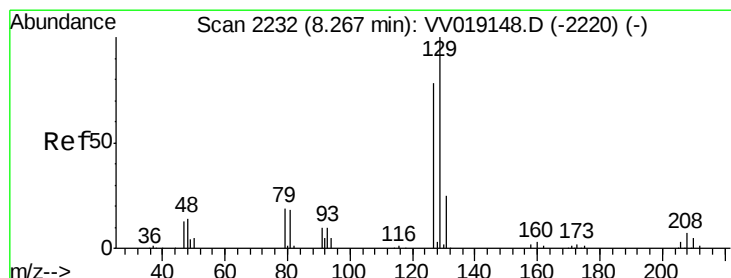
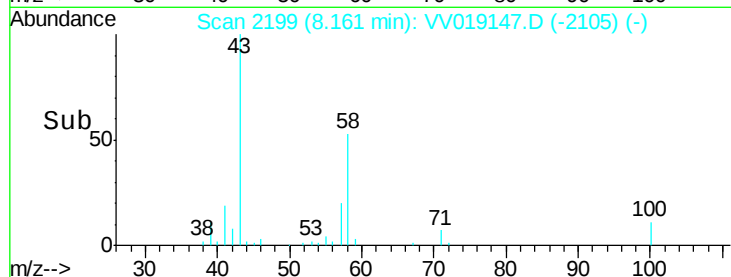
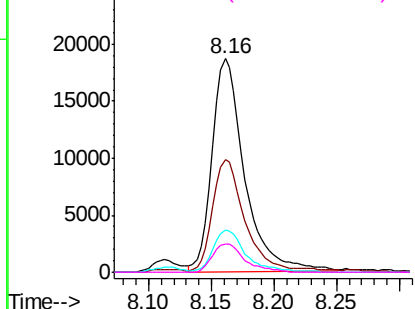
#48
2-Hexanone
Concen: 17.860 ug/L
RT: 8.16 min Scan# 2199
Delta R.T. 0.00 min
Lab File: VV019147.D
Acq: 29 Oct 2020 14:28

Instrument :
MSVOA_V
ClientSampleId :
VSTD01063

Tot Ion: 43 Resp: 33695
Ion Ratio Lower Upper
43 100
58 50.0 43.6 65.4
57 18.3 16.0 24.0
100 13.2 10.3 15.5

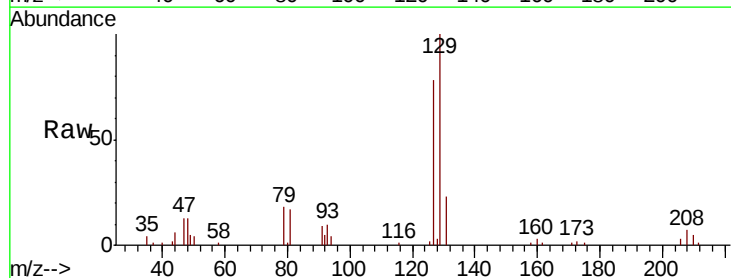


Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 58.00 (57.70 to 58.70): VV0
Ion 57.00 (56.70 to 57.70): VV0
Ion 100.00 (99.70 to 100.70): VV0

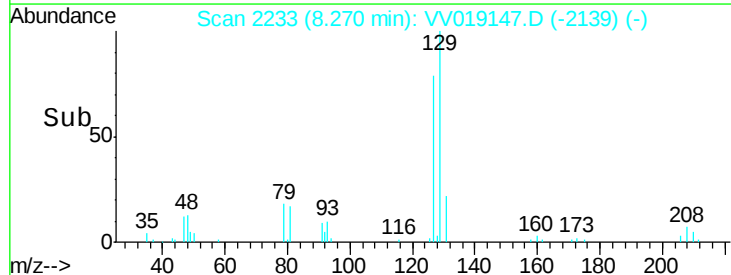
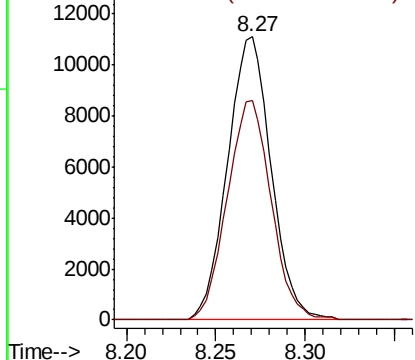


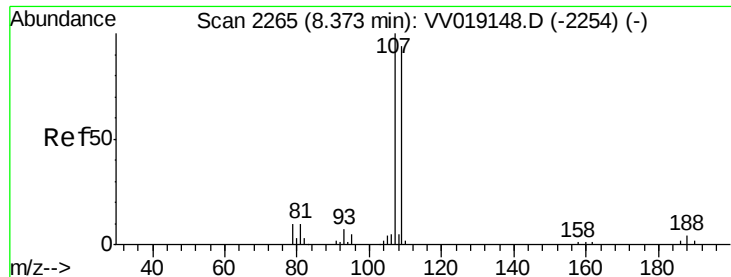
#49
Dibromochloromethane
Concen: 10.357 ug/L
RT: 8.27 min Scan# 2233
Delta R.T. 0.00 min
Lab File: VV019147.D
Acq: 29 Oct 2020 14:28

Tgt Ion: 129 Resp: 18865
Ion Ratio Lower Upper
129 100
127 77.7 54.7 101.5



Abundance Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V

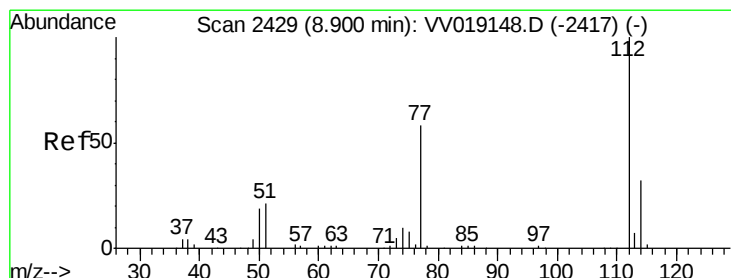
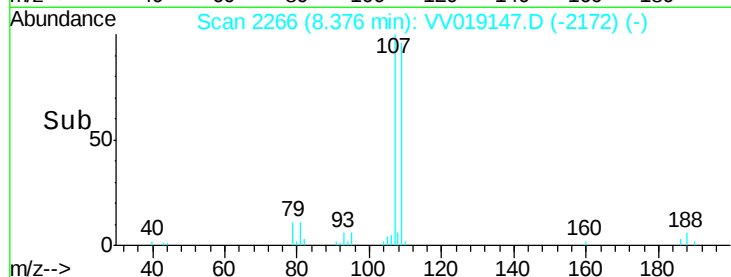
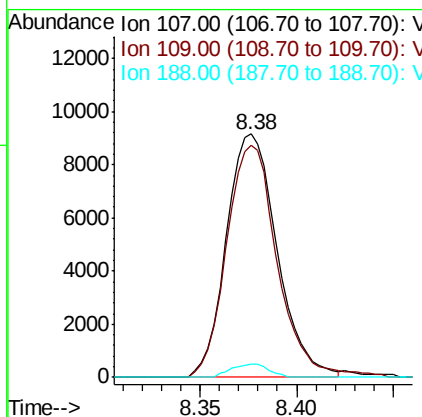
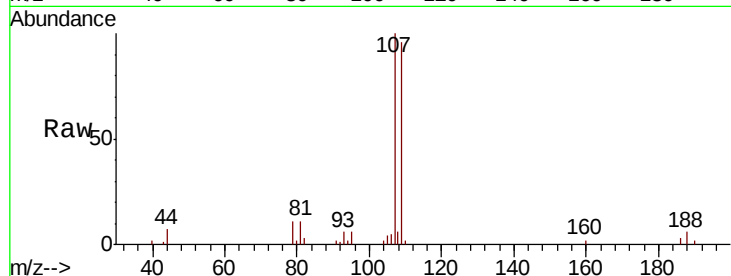




#50
1,2-Dibromoethane
Concen: 9.740 ug/L
RT: 8.38 min Scan# 2266
Delta R.T. 0.00 min
Lab File: VV019147.D
Acq: 29 Oct 2020 14:28

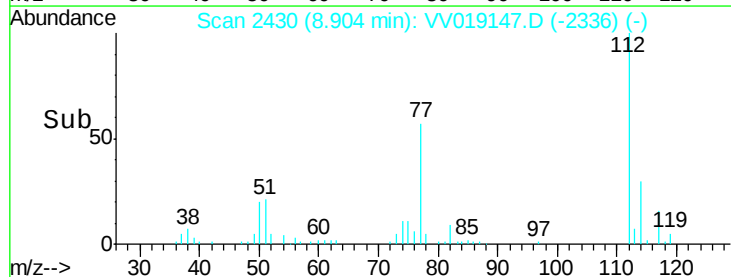
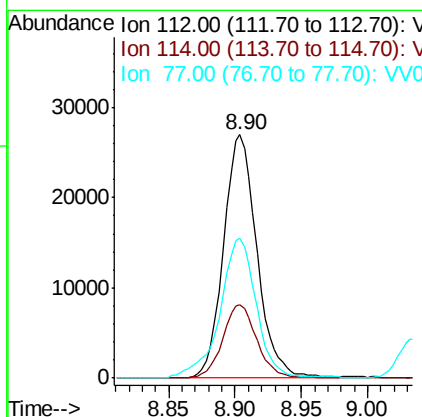
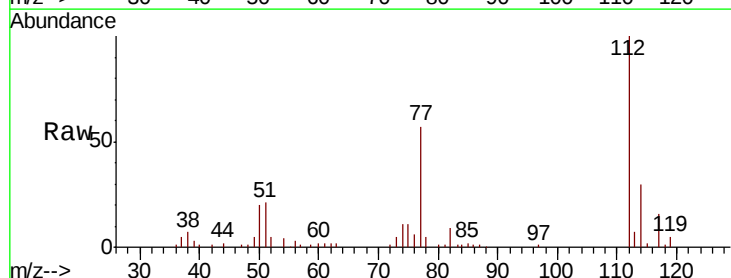
Instrument :
MSVOA_V
ClientSampleId :
VSTD01063

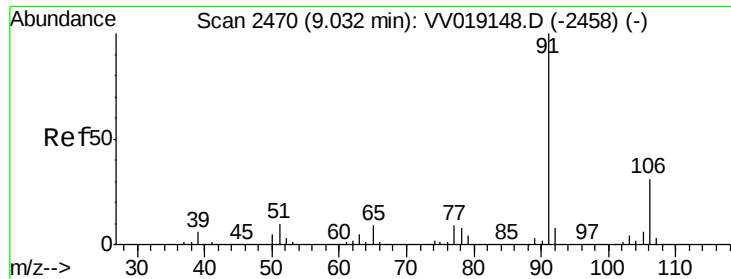
Tot Ion:107 Resp: 16705
Ion Ratio Lower Upper
107 100
109 95.5 65.7 121.9
188 5.5 3.4 5.2#



#51
Chlorobenzene
Concen: 10.527 ug/L
RT: 8.90 min Scan# 2430
Delta R.T. 0.00 min
Lab File: VV019147.D
Acq: 29 Oct 2020 14:28

Tgt Ion:112 Resp: 47276
Ion Ratio Lower Upper
112 100
114 30.3 22.3 41.5
77 57.3 46.7 70.1





#52

Ethylbenzene

Concen: 9.895 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. 0.00 min

Lab File: VV019147.D

Acq: 29 Oct 2020 14:28

Instrument :

MSVOA_V

ClientSampleId :

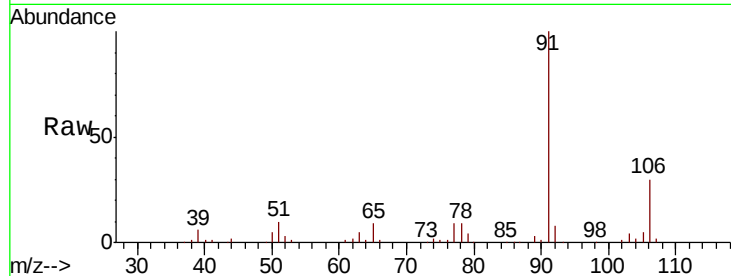
VSTD01063

Tot Ion: 91 Resp: 74595

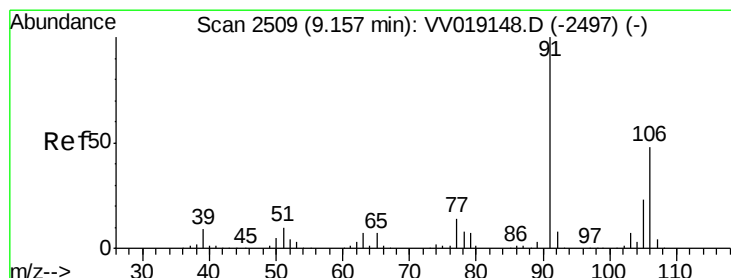
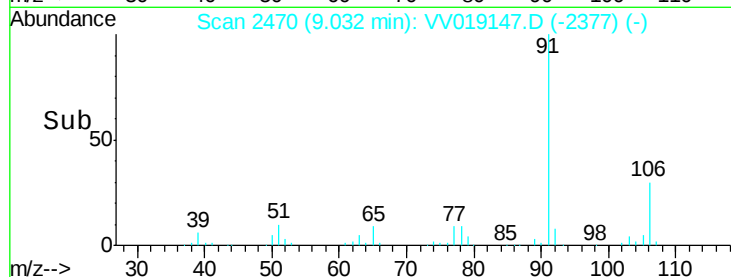
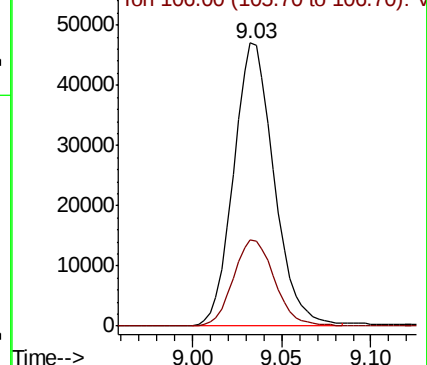
Ion Ratio Lower Upper

91 100

106 30.4 21.6 40.0



Abundance Ion 91.00 (90.70 to 91.70): VV019147.D (-2377) (-)



#53

m,p-Xylene

Concen: 10.107 ug/L

RT: 9.16 min Scan# 2510

Delta R.T. 0.00 min

Lab File: VV019147.D

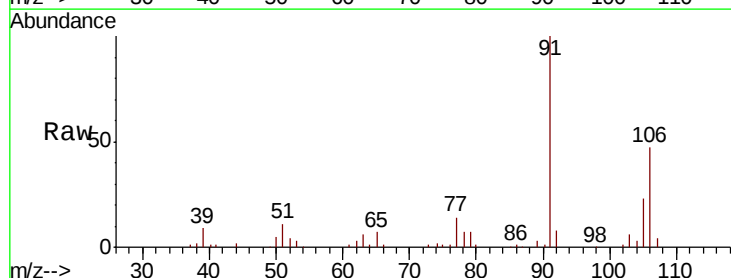
Acq: 29 Oct 2020 14:28

Tgt Ion: 106 Resp: 28096

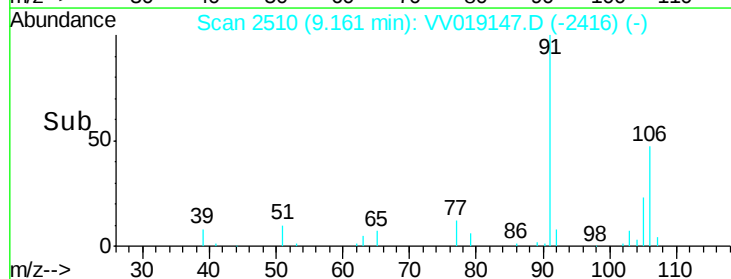
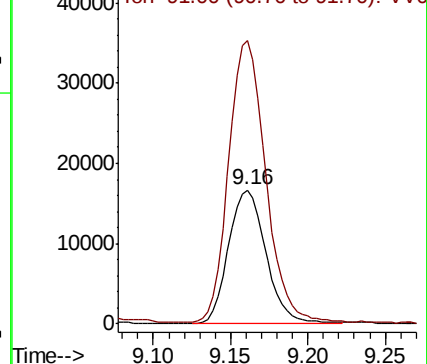
Ion Ratio Lower Upper

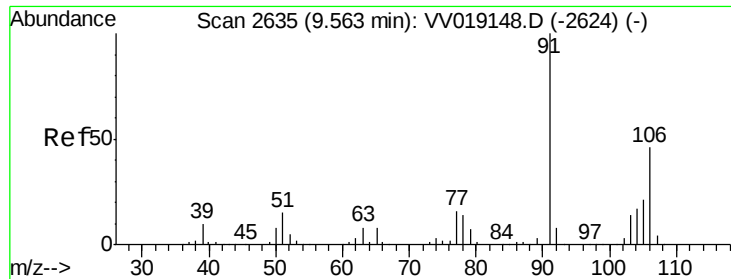
106 100

91 211.7 145.4 270.0



Abundance Ion 106.00 (105.70 to 106.70): VV019147.D (-2416) (-)

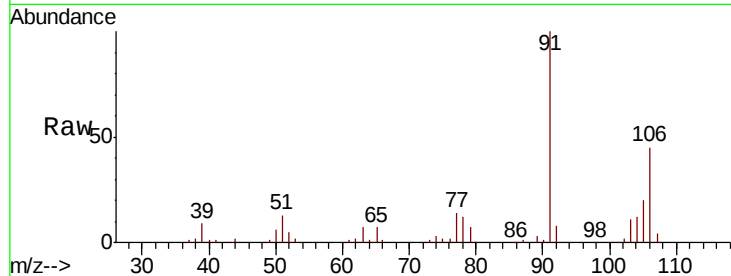




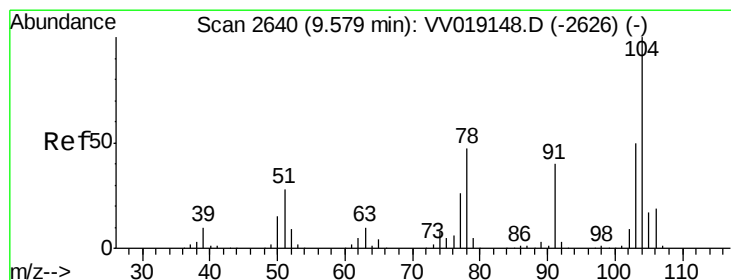
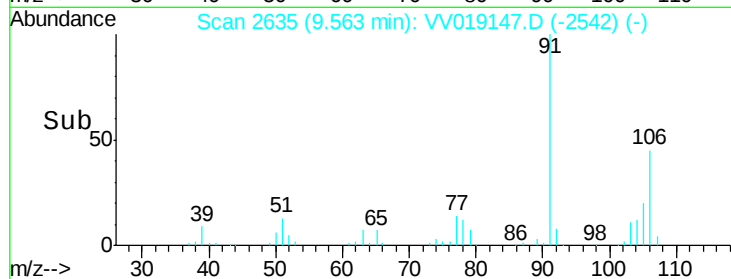
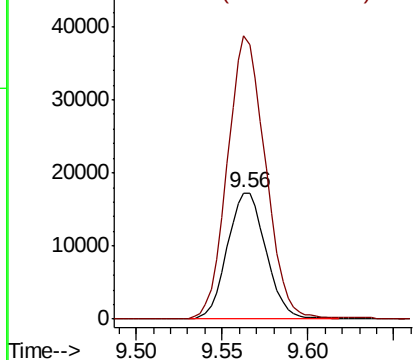
#54
o-xylene
Concen: 10.071 ug/L
RT: 9.56 min Scan# 2635
Delta R.T. 0.00 min
Lab File: VV019147.D
Acq: 29 Oct 2020 14:28

Instrument :
MSVOA_V
ClientSampleId :
VSTD01063

Tot Ion:106 Resp: 26949
Ion Ratio Lower Upper
106 100
91 224.5 153.4 285.0

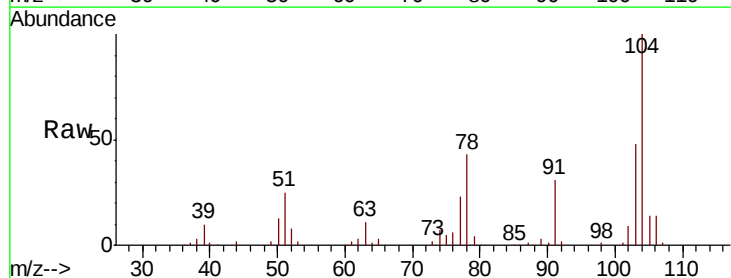


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0

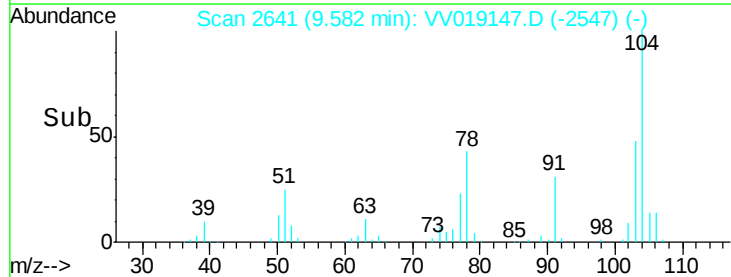
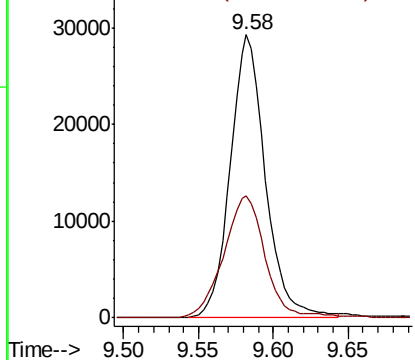


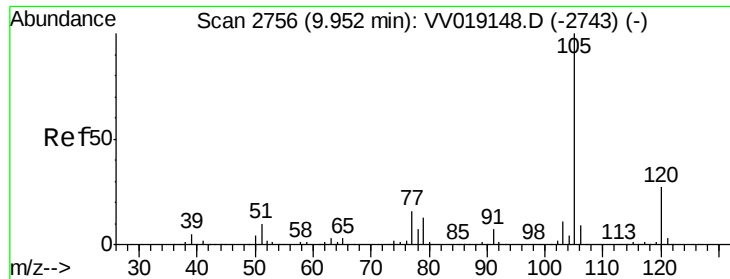
#55
Styrene
Concen: 10.069 ug/L
RT: 9.58 min Scan# 2641
Delta R.T. 0.00 min
Lab File: VV019147.D
Acq: 29 Oct 2020 14:28

Tgt Ion:104 Resp: 47769
Ion Ratio Lower Upper
104 100
78 43.0 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: 10.198 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV019147.D

Acq: 29 Oct 2020 14:28

Instrument :

MSVOA_V

ClientSampleId :

VSTD01063

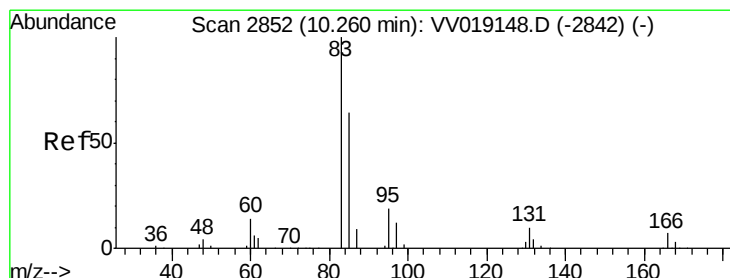
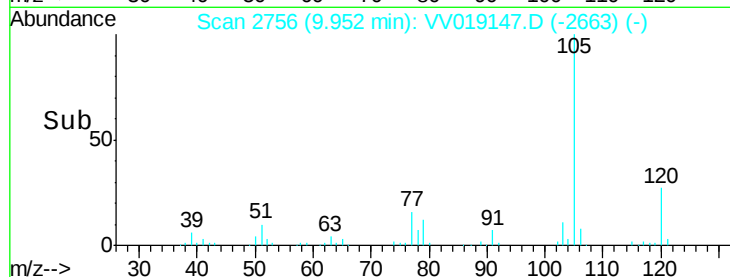
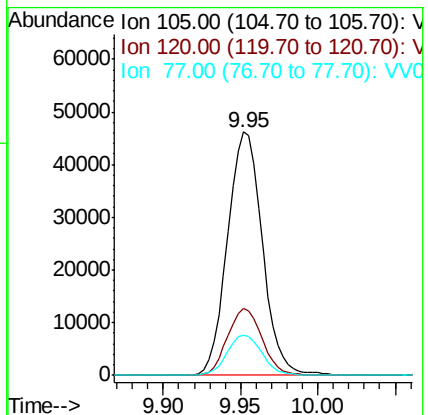
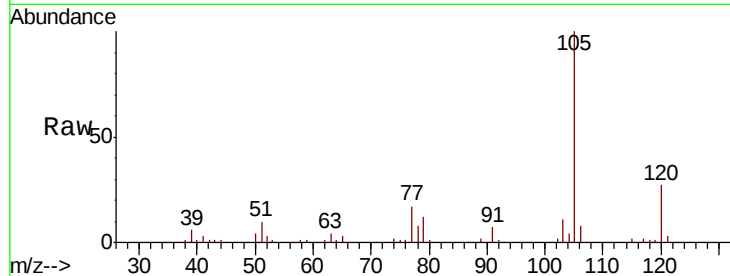
Tot Ion:105 Resp: 72116

Ion Ratio Lower Upper

105 100

120 27.1 21.3 31.9

77 16.5 13.0 19.4



#58

1,1,2,2-Tetrachloroethane

Concen: 9.162 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. 0.00 min

Lab File: VV019147.D

Acq: 29 Oct 2020 14:28

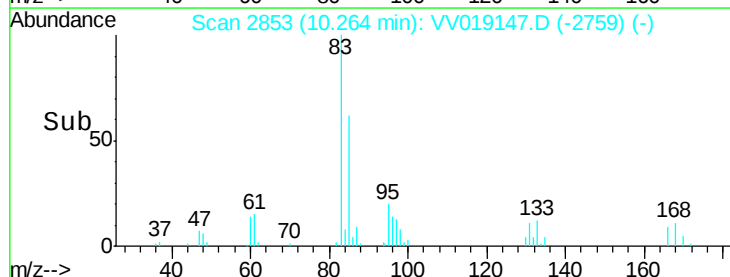
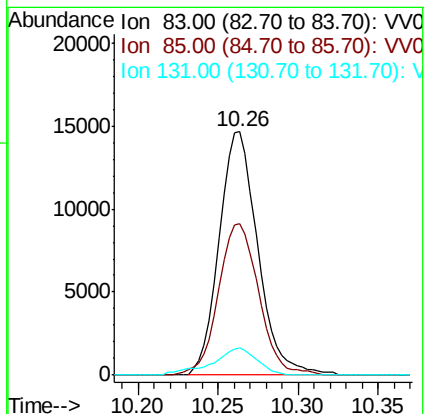
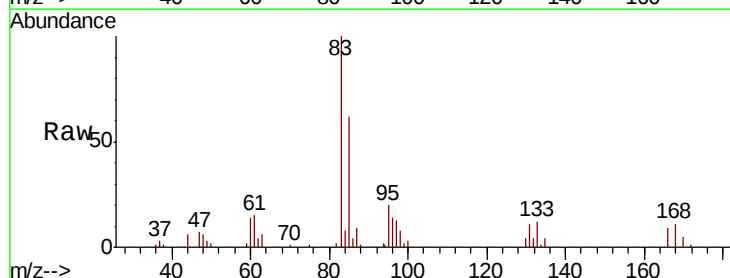
Tgt Ion: 83 Resp: 24354

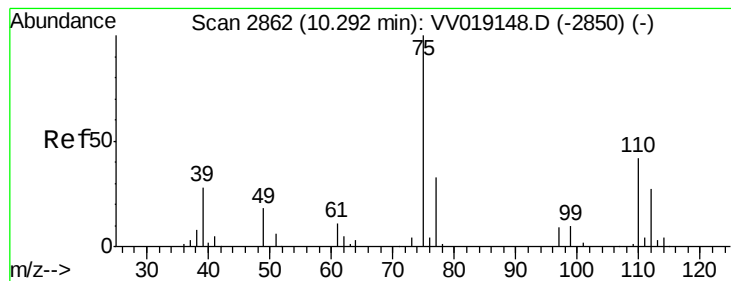
Ion Ratio Lower Upper

83 100

85 62.4 45.8 85.0

131 11.1 8.9 13.3





#59

1,2,3-Trichloropropane

Concen: 9.717 ug/L

RT: 10.30 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VV019147.D

Acq: 29 Oct 2020 14:28

Instrument :

MSVOA_V

ClientSampleId :

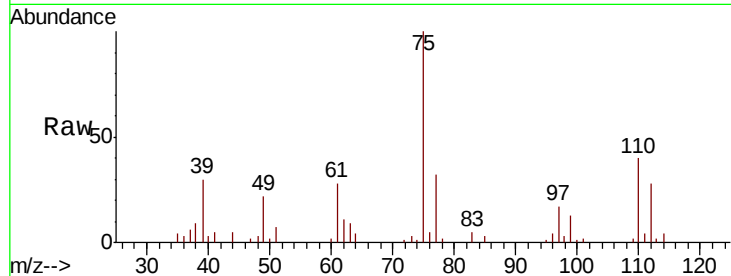
VSTD01063

Tot Ion: 75 Resp: 20956

Ion Ratio Lower Upper

75 100

77 32.9 26.2 39.4



Abundance Ion 75.00 (74.70 to 75.70): VV019147.D (-2240) (-)

Ion 77.00 (76.70 to 77.70): VV019147.D (-2240) (-)

10.30

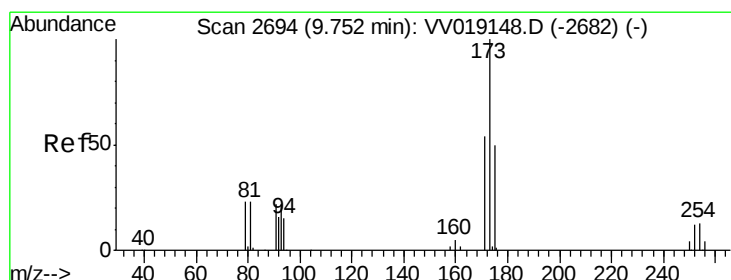
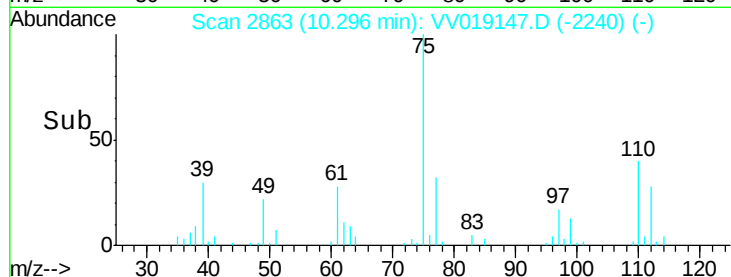
15000

10000

5000

0

Time-->



#61

Bromoform

Concen: 10.553 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VV019147.D

Acq: 29 Oct 2020 14:28

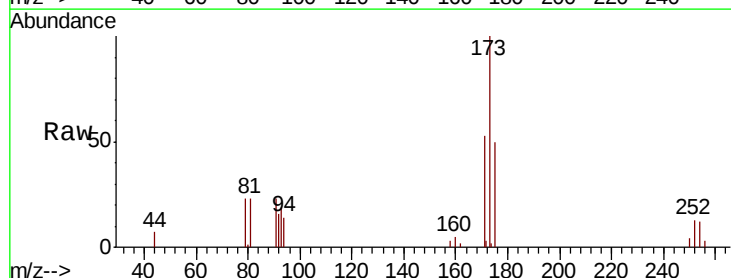
Tgt Ion: 173 Resp: 14448

Ion Ratio Lower Upper

173 100

175 49.0 39.8 59.6

254 11.2 9.7 14.5



Abundance Ion 173.00 (172.70 to 173.70): VV019147.D (-2601) (-)

Ion 175.00 (174.70 to 175.70): VV019147.D (-2601) (-)

Ion 254.00 (253.70 to 254.70): VV019147.D (-2601) (-)

9.75

12000

10000

8000

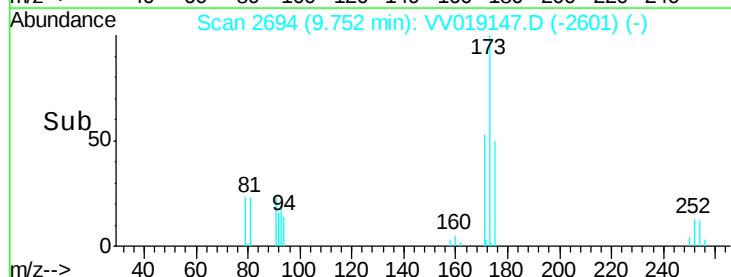
6000

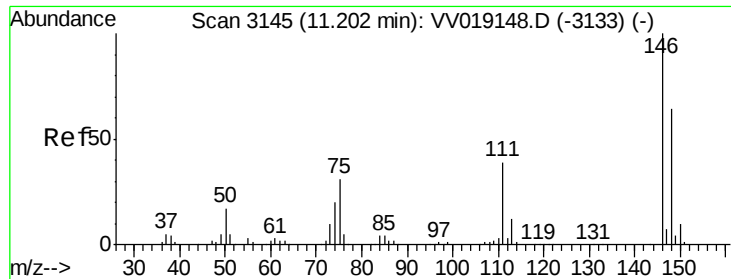
4000

2000

0

Time-->

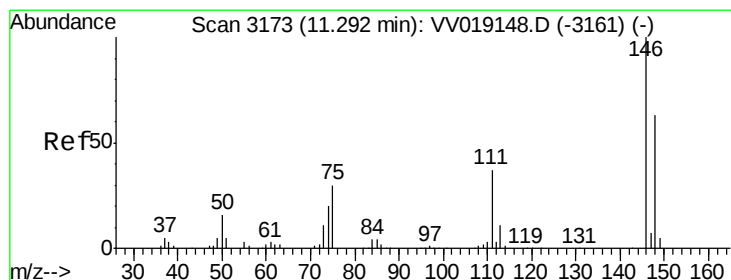
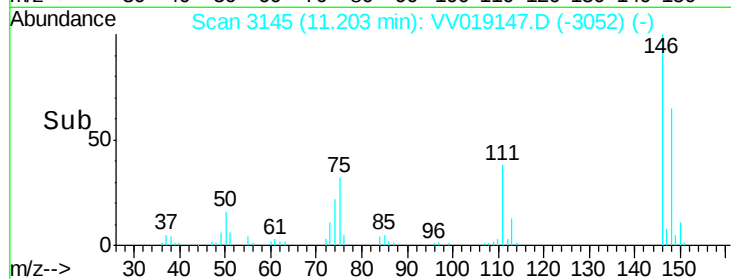
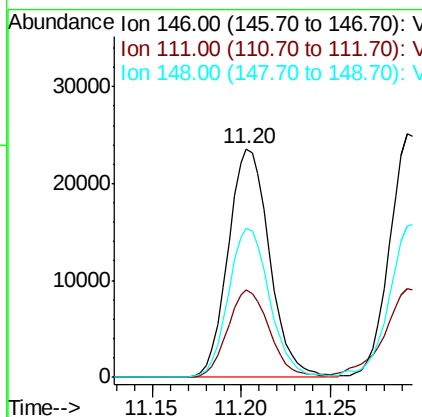
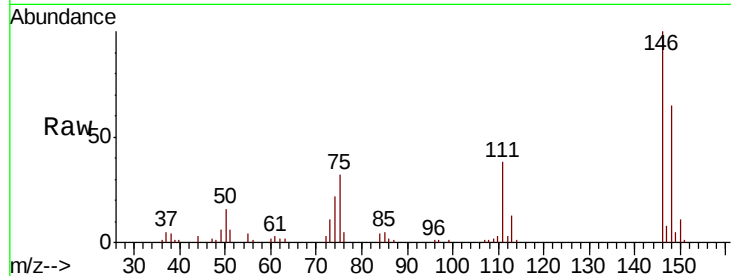




#62
 1,3-Dichlorobenzene
 Concen: 10.492 ug/L
 RT: 11.20 min Scan# 3145
 Delta R.T. 0.00 min
 Lab File: VV019147.D
 Acq: 29 Oct 2020 14:28

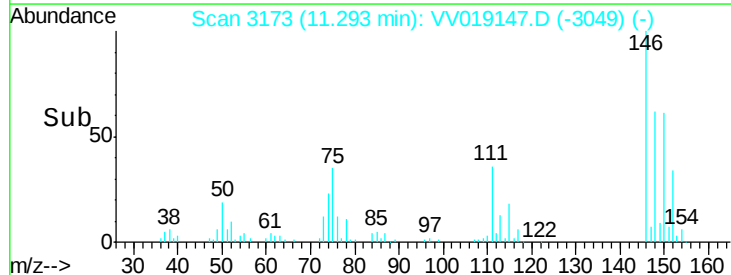
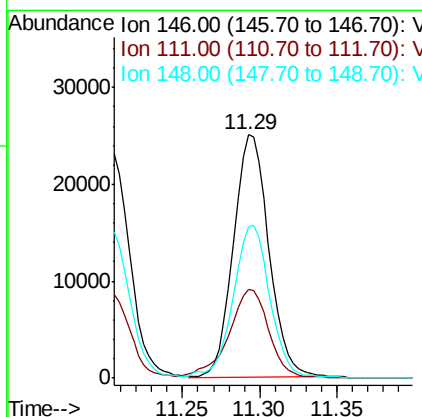
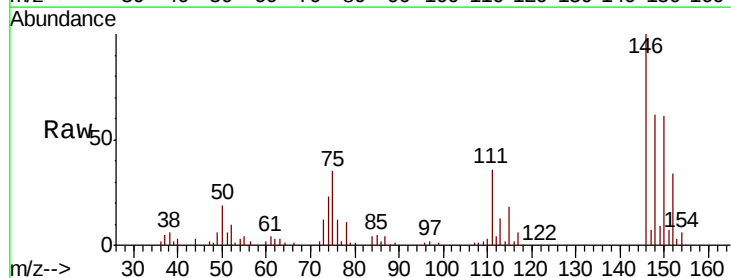
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01063

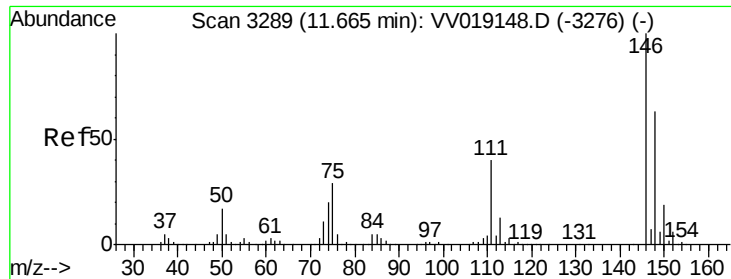
Tot Ion:146 Resp: 38066
 Ion Ratio Lower Upper
 146 100
 111 38.1 27.1 50.3
 148 65.4 44.7 83.1



#63
 1,4-Dichlorobenzene
 Concen: 10.498 ug/L
 RT: 11.29 min Scan# 3173
 Delta R.T. 0.00 min
 Lab File: VV019147.D
 Acq: 29 Oct 2020 14:28

Tgt Ion:146 Resp: 39811
 Ion Ratio Lower Upper
 146 100
 111 36.2 25.8 48.0
 148 62.3 44.0 81.6





#65

1,2-Dichlorobenzene

Concen: 10.409 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. 0.00 min

Lab File: VV019147.D

Acq: 29 Oct 2020 14:28

Instrument :

MSVOA_V

ClientSampleId :

VSTD01063

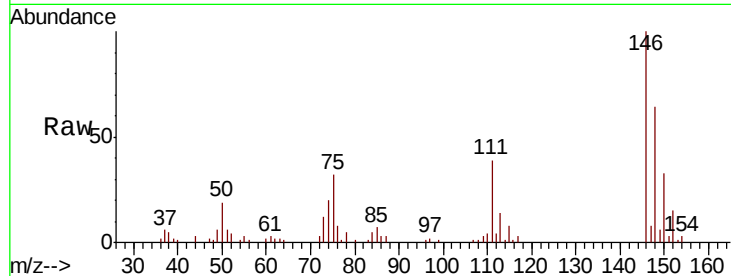
Tot Ion:146 Resp: 38044

Ion Ratio Lower Upper

146 100

111 39.0 32.2 48.4

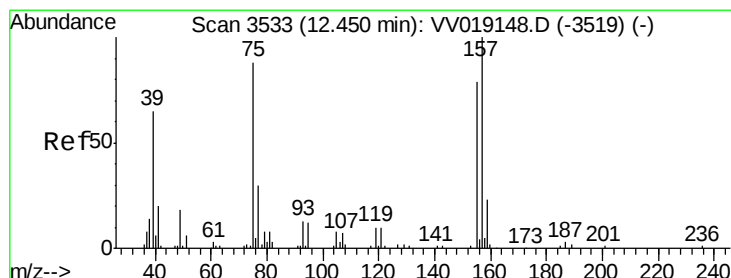
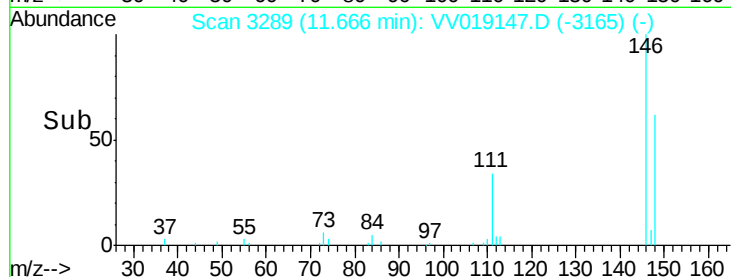
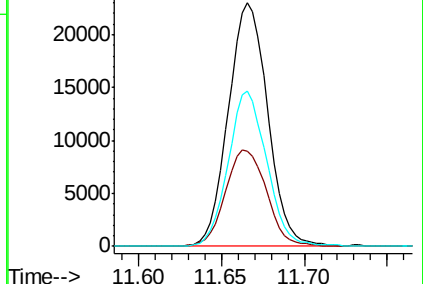
148 63.8 50.8 76.2



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: 10.156 ug/L

RT: 12.45 min Scan# 3533

Delta R.T. 0.00 min

Lab File: VV019147.D

Acq: 29 Oct 2020 14:28

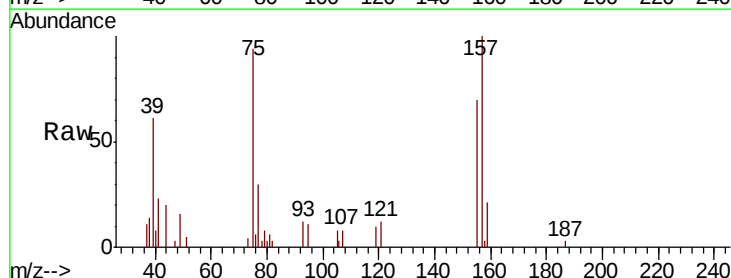
Tgt Ion: 75 Resp: 6461

Ion Ratio Lower Upper

75 100

155 74.3 71.1 106.7

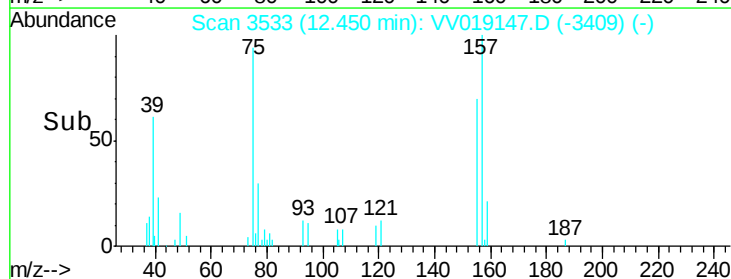
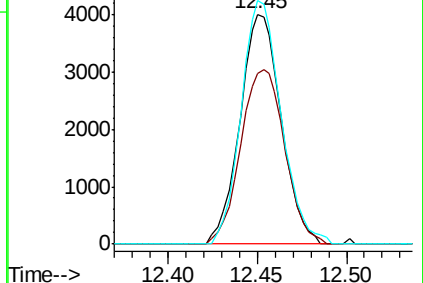
157 105.9 90.5 135.7

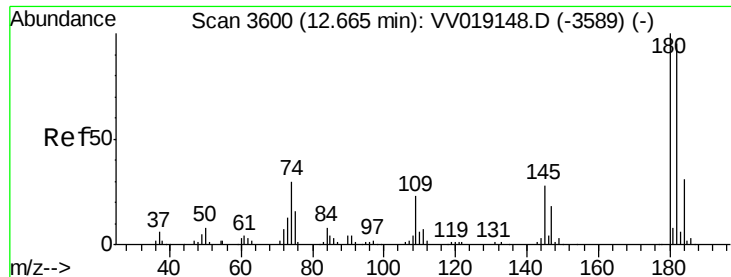


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

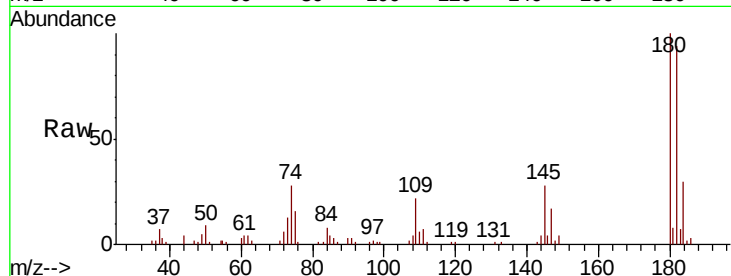




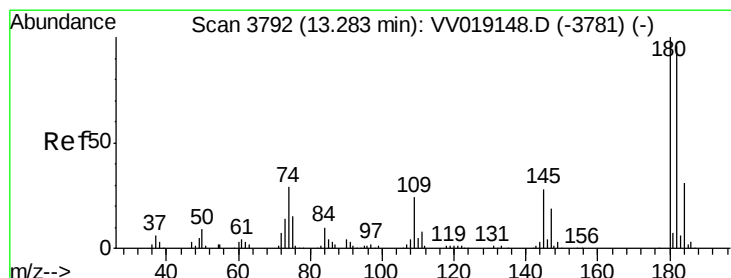
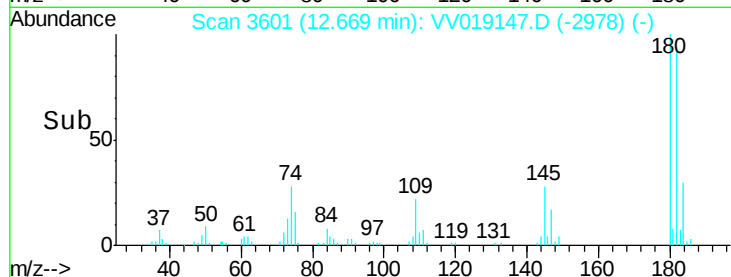
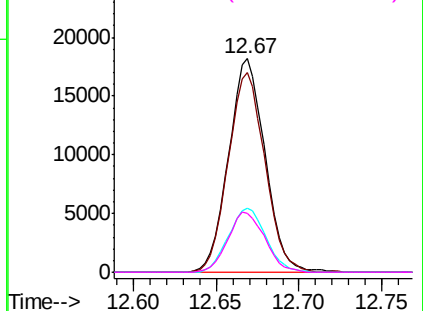
#67
 1,3,5-Trichlorobenzene
 Concen: 10.978 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. 0.00 min
 Lab File: VV019147.D
 Acq: 29 Oct 2020 14:28

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01063

Tot Ion:180 Resp: 27783
 Ion Ratio Lower Upper
 180 100
 182 94.5 76.1 114.1
 184 30.7 24.5 36.7
 145 28.4 22.7 34.1

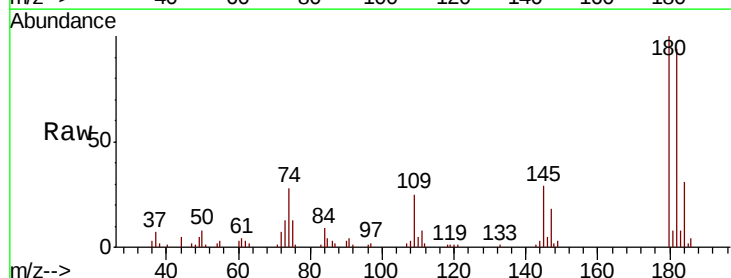


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

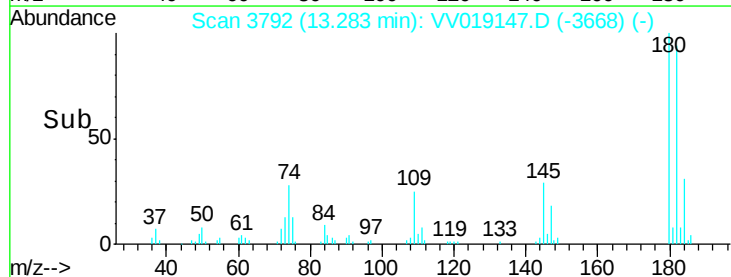
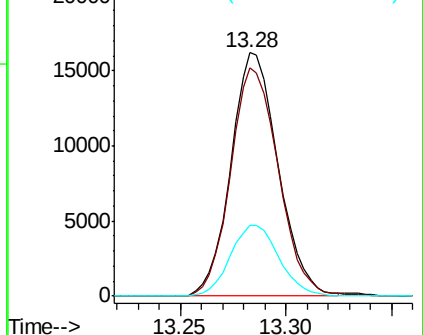


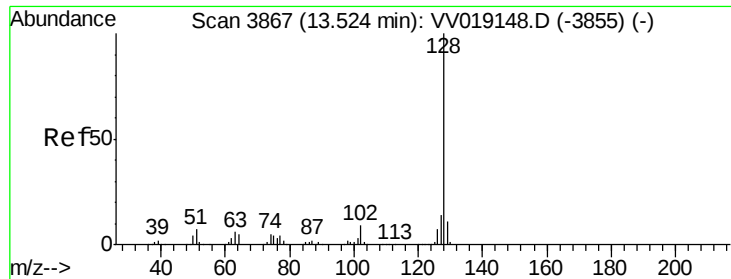
#68
 1,2,4-trichlorobenzene
 Concen: 10.580 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. 0.00 min
 Lab File: VV019147.D
 Acq: 29 Oct 2020 14:28

Tgt Ion:180 Resp: 25206
 Ion Ratio Lower Upper
 180 100
 182 94.9 75.8 113.6
 145 30.0 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: 9.007 ug/L

RT: 13.53 min Scan# 3868

Delta R.T. 0.00 min

Lab File: VV019147.D

Acq: 29 Oct 2020 14:28

Instrument :

MSVOA_V

ClientSampleId :

VSTD01063

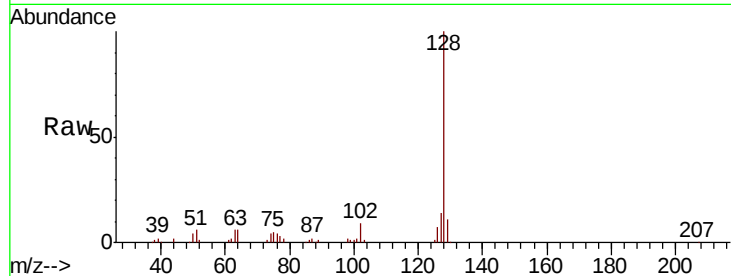
Tot Ion:128 Resp: 64512

Ion Ratio Lower Upper

128 100

127 13.3 10.8 16.2

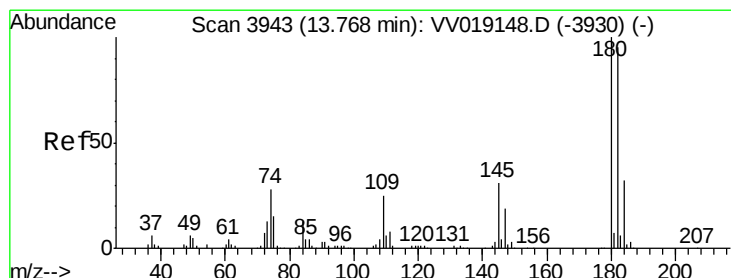
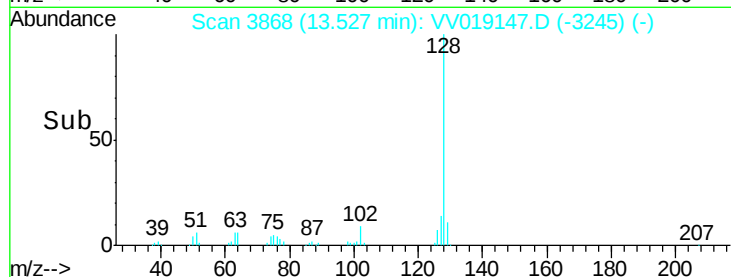
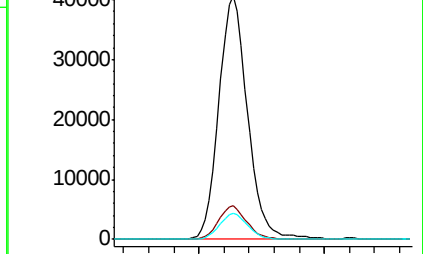
129 10.3 8.6 13.0



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: 10.333 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. 0.00 min

Lab File: VV019147.D

Acq: 29 Oct 2020 14:28

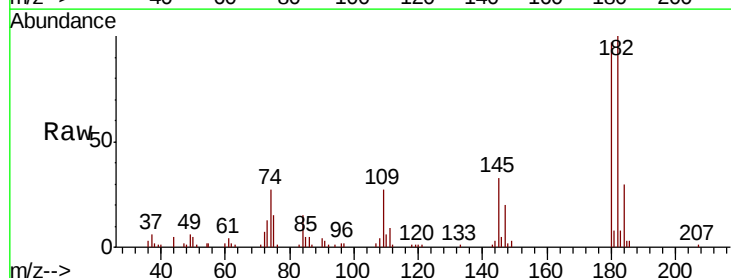
Tgt Ion:180 Resp: 24744

Ion Ratio Lower Upper

180 100

182 97.9 76.2 114.4

145 32.2 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

