

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV102220\
 Data File : VV019065.D
 Acq On : 22 Oct 2020 12:21
 Operator : SY/MD
 Sample : VSTD01062
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01062

Quant Time: Oct 22 13:17:12 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM102220WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Oct 22 13:09:48 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	303085	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	299282	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	154386	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	28226	10.97	ug/L	0.00
7) Chloroethane-d5	1.58	69	23453	11.51	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	52495	10.83	ug/L	0.00
21) 2-Butanone-d5	3.94	46	35565	20.12	ug/L	0.02
24) Chloroform-d	4.38	84	49647	10.82	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.06	65	32723	10.72	ug/L	0.00
32) Benzene-d6	5.08	84	91504	10.29	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.10	67	30202	10.62	ug/L	0.00
41) Toluene-d8	7.34	98	80207	10.06	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.65	79	14902	10.63	ug/L	0.00
47) 2-Hexanone-d5	8.11	63	22257	20.39	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.24	84	40467	11.89	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.65	152	32733	10.27	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	23058	8.787 ug/L	97
3) Chloromethane	1.25	50	29316	9.818 ug/L	99
5) Vinyl chloride	1.32	62	28860	9.962 ug/L	97
6) Bromomethane	1.53	94	15675	8.980 ug/L	97
8) Chloroethane	1.60	64	18282	10.442 ug/L	99
9) Trichlorofluoromethane	1.77	101	37676	9.796 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	19950	9.952 ug/L	98
12) 1,1-Dichloroethene	2.14	96	19722	9.764 ug/L	91
13) Acetone	2.20	43	23705	18.565 ug/L	95
14) Carbon disulfide	2.31	76	65566	9.583 ug/L	100
15) Methyl Acetate	2.46	43	25015	9.488 ug/L	98
16) Methylene chloride	2.52	84	23665	9.827 ug/L	95
17) trans-1,2-Dichloroethene	2.78	96	20702	9.352 ug/L	98
18) Methyl tert-butyl Ether	2.79	73	66026	9.386 ug/L	99
19) 1,1-Dichloroethane	3.21	63	42939	9.895 ug/L	99
20) cis-1,2-Dichloroethene	3.94	96	21626	9.230 ug/L	96
22) 2-Butanone	4.02	43	27829	16.099 ug/L	96
23) Bromochloromethane	4.28	128	11716	9.657 ug/L	93
25) Chloroform	4.41	83	41781	9.630 ug/L	100
27) 1,2-Dichloroethane	5.16	62	33986	9.537 ug/L	98
29) Cyclohexane	4.70	56	31670	8.725 ug/L	99
30) 1,1,1-Trichloroethane	4.64	97	35579	9.473 ug/L	97
31) Carbon tetrachloride	4.86	117	31343	9.777 ug/L	97
33) Benzene	5.13	78	87654	9.479 ug/L	100
34) Trichloroethene	5.94	95	22426	8.587 ug/L	97
35) Methylcyclohexane	6.16	83	28134	8.597 ug/L	97
37) 1,2-Dichloropropane	6.20	63	24227	9.806 ug/L	98
38) Bromodichloromethane	6.53	83	30095	9.483 ug/L	97
39) cis-1,3-Dichloropropene	7.05	75	34278	9.180 ug/L	99
40) 4-Methyl-2-pentanone	7.25	43	60595	17.772 ug/L	98

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 ALS Vial : 4 Sample Multiplier: 1

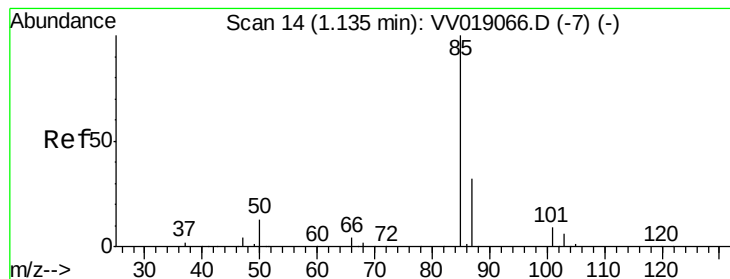
Instrument :
 MSVOA_V
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM102220WMA.M
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 QLast Update : Thu Oct 22 13:09:48 2020
 Response via : Initial Calibration

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

42) Toluene	7.41	91	87221	9.179	ug/L	98
44) trans-1,3-Dichloropropene	7.68	75	33213	9.200	ug/L	99
45) 1,1,2-Trichloroethane	7.86	97	21791	9.527	ug/L	99
46) Tetrachloroethene	8.00	164	16769	8.956	ug/L	98
48) 2-Hexanone	8.16	43	47873	17.771	ug/L	96
49) Dibromochloromethane	8.27	129	22784	9.345	ug/L	97
50) 1,2-Dibromoethane	8.38	107	22284	9.358	ug/L	97
51) Chlorobenzene	8.90	112	57904	9.349	ug/L	99
52) Ethylbenzene	9.04	91	92696	9.005	ug/L	100
53) m,p-Xylene	9.16	106	34192	8.905	ug/L	99
54) o-xylene	9.57	106	32913	8.973	ug/L	94
55) Styrene	9.58	104	56910	8.806	ug/L	97
56) Isopropylbenzene	9.95	105	83451	8.655	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	36015	11.192	ug/L	98
59) 1,2,3-Trichloropropane	10.30	75	28700	9.611	ug/L	99
61) Bromoform	9.75	173	15823	9.274	ug/L	97
62) 1,3-Dichlorobenzene	11.20	146	44854	9.330	ug/L	99
63) 1,4-Dichlorobenzene	11.30	146	47459	9.413	ug/L	98
65) 1,2-Dichlorobenzene	11.67	146	45215	9.357	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.45	75	7577	10.149	ug/L	96
67) 1,3,5-Trichlorobenzene	12.67	180	29706	9.222	ug/L	99
68) 1,2,4-trichlorobenzene	13.28	180	27183	9.127	ug/L	99
69) Naphthalene	13.52	128	73749	8.553	ug/L	99
70) 1,2,3-Trichlorobenzene	13.77	180	28318	9.512	ug/L	97

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



#2

Dichlorodifluoromethane

Concen: 8.787 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

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MSVOA_V

ClientSampleId :

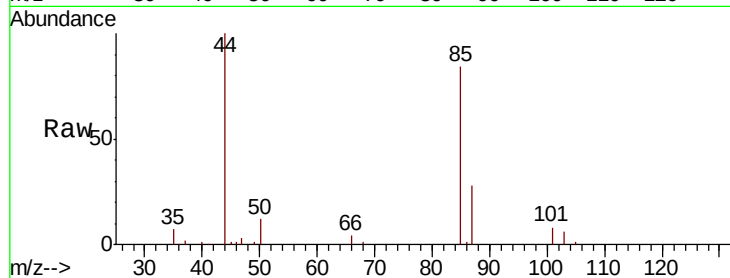
VSTD01062

Tot Ion: 85 Resp: 23058

Ion Ratio Lower Upper

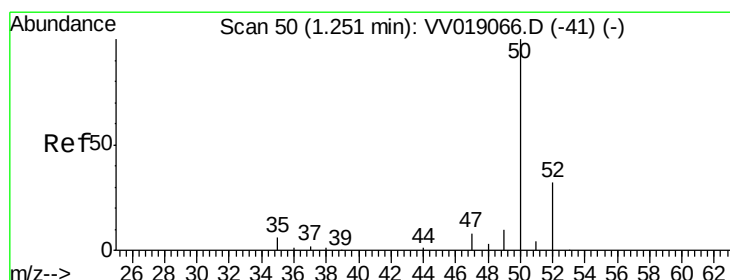
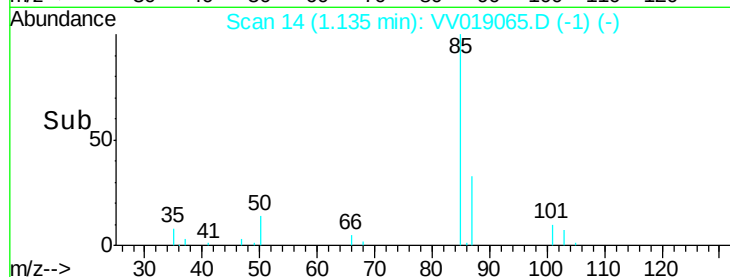
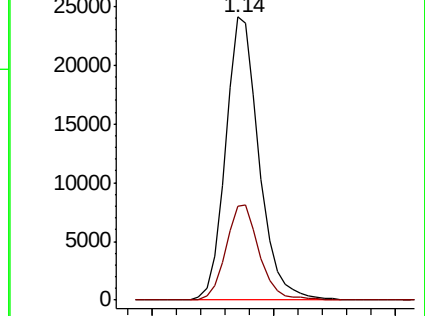
85 100

87 33.5 25.5 38.3



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 9.818 ug/L

RT: 1.25 min Scan# 50

Delta R.T. -0.00 min

Lab File: VV019065.D

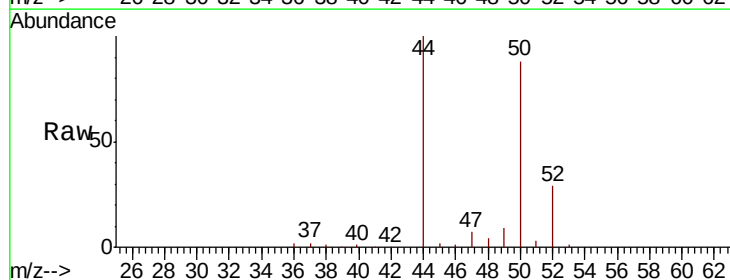
Acq: 22 Oct 2020 12:21

Tgt Ion: 50 Resp: 29316

Ion Ratio Lower Upper

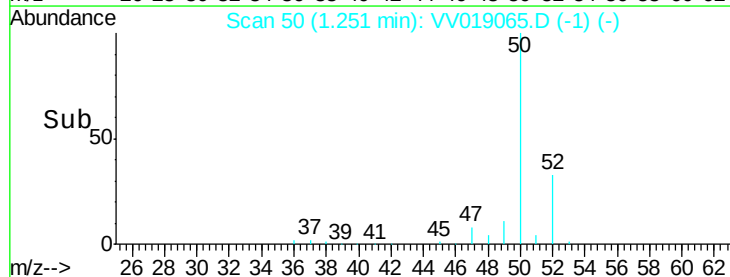
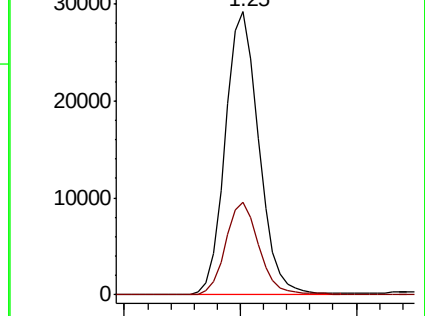
50 100

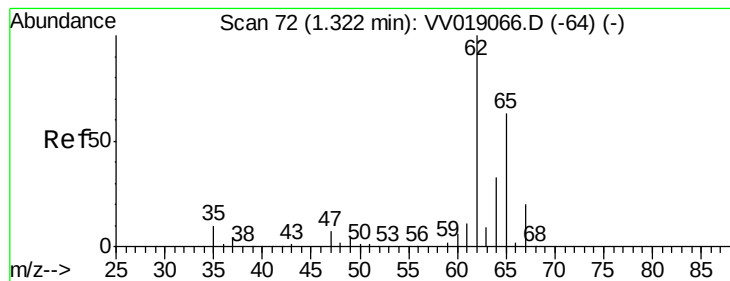
52 33.0 22.7 42.1



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0





#5

Vinyl chloride

Concen: 9.962 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV019065.D

Acq: 22 Oct 2020 12:21

Instrument :

MSVOA_V

ClientSampleId :

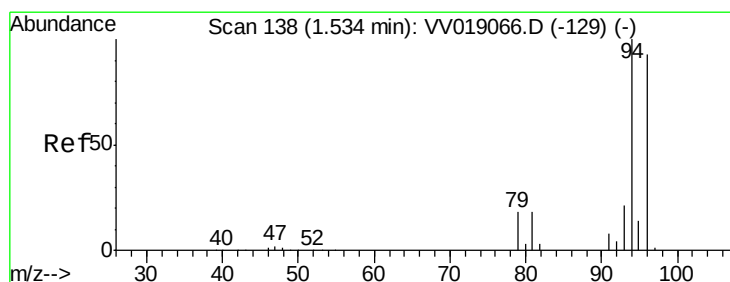
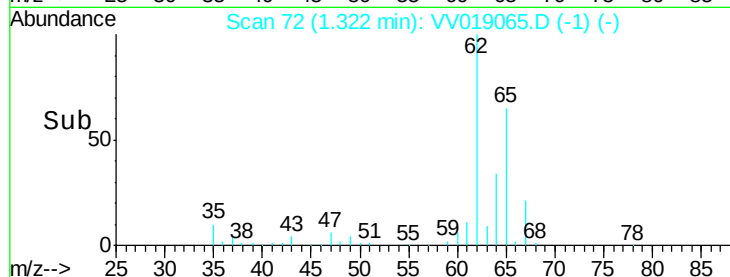
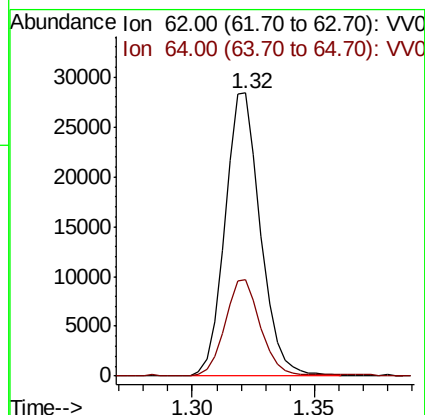
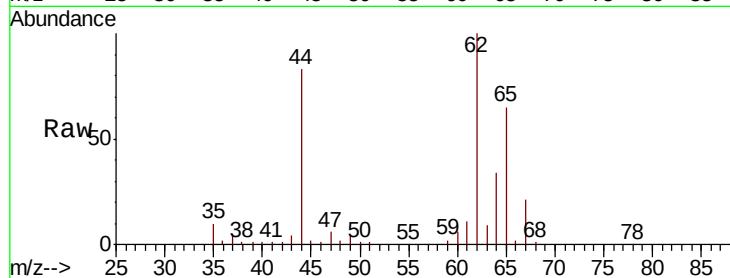
VSTD01062

Tot Ion: 62 Resp: 28860

Ion Ratio Lower Upper

62 100

64 34.2 22.9 42.5



#6

Bromomethane

Concen: 8.980 ug/L

RT: 1.53 min Scan# 138

Delta R.T. -0.00 min

Lab File: VV019065.D

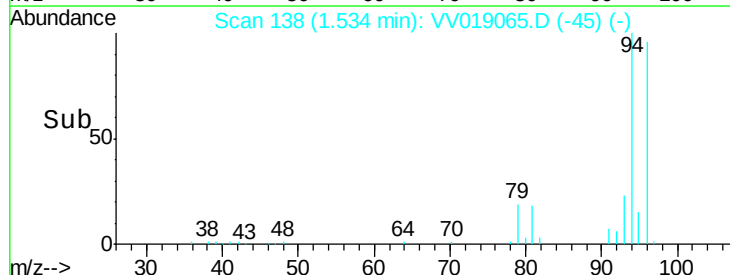
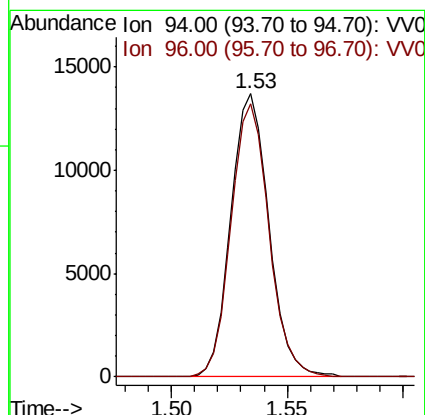
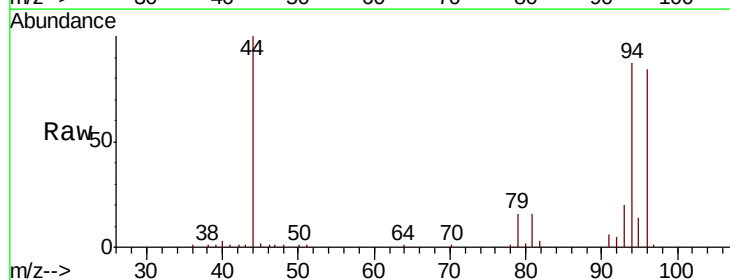
Acq: 22 Oct 2020 12:21

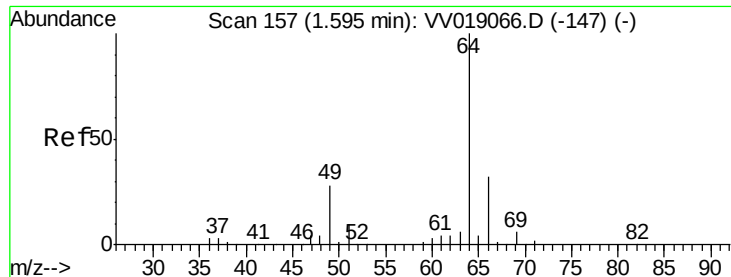
Tgt Ion: 94 Resp: 15675

Ion Ratio Lower Upper

94 100

96 96.4 65.3 121.3





#8

Chloroethane

Concen: 10.442 ug/L

RT: 1.60 min Scan# 158

Delta R.T. 0.00 min

Lab File: VV019065.D

Acq: 22 Oct 2020 12:21

Instrument :

MSVOA_V

ClientSampleId :

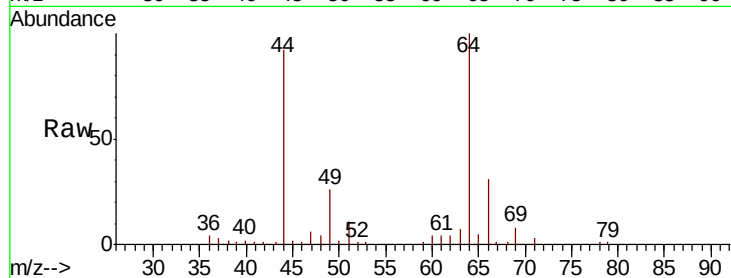
VSTD01062

Tot Ion: 64 Resp: 18282

Ion Ratio Lower Upper

64 100

66 31.4 22.5 41.9



Abundance Ion 64.00 (63.70 to 64.70): VV019066.D (-147) (-)

Ion 66.00 (65.70 to 66.70): VV019066.D (-147) (-)

1.60

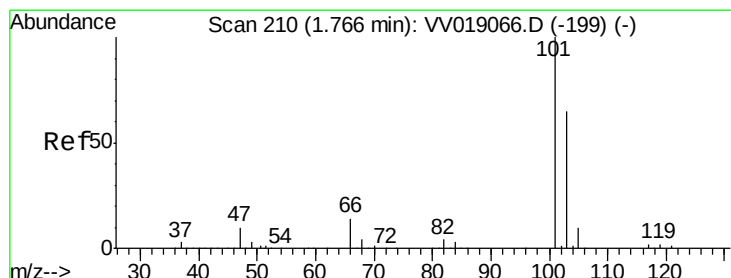
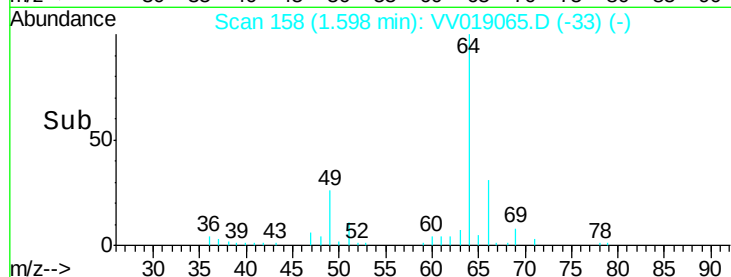
15000

10000

5000

0

Time-->



#9

Trichlorofluoromethane

Concen: 9.796 ug/L

RT: 1.77 min Scan# 210

Delta R.T. -0.00 min

Lab File: VV019065.D

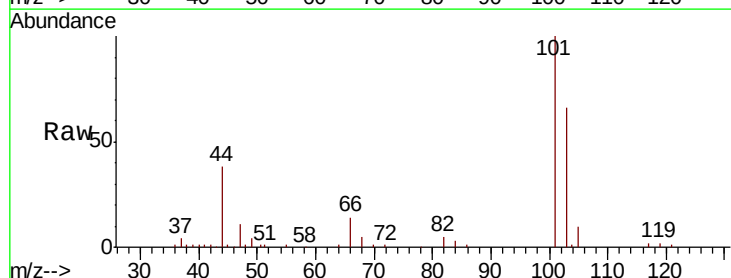
Acq: 22 Oct 2020 12:21

Tgt Ion: 101 Resp: 37676

Ion Ratio Lower Upper

101 100

103 65.8 51.7 77.5



Abundance Ion 101.00 (100.70 to 101.70): VV019066.D (-199) (-)

Ion 103.00 (102.70 to 103.70): VV019066.D (-199) (-)

1.77

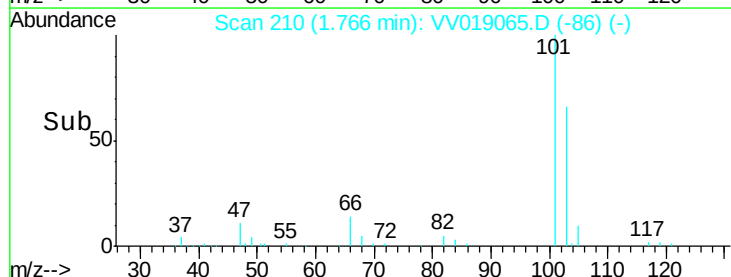
30000

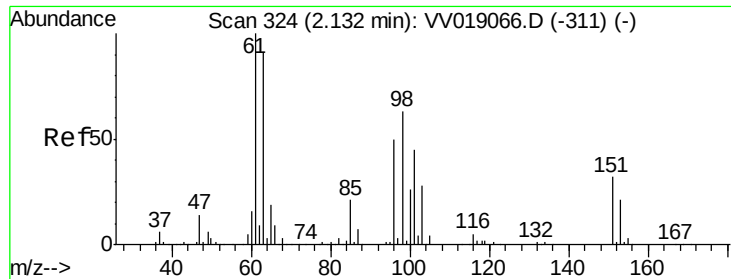
20000

10000

0

Time-->





#10

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

Concen: 9.952 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV019065.D

Acq: 22 Oct 2020 12:21

Instrument :

MSVOA_V

ClientSampleId :

VSTD01062

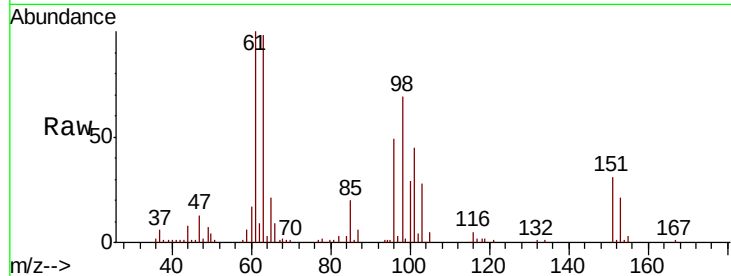
Tot Ion:101 Resp: 19950

Ion Ratio Lower Upper

101 100

85 45.2 36.9 55.3

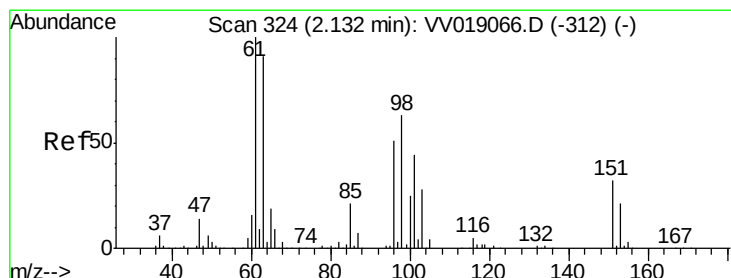
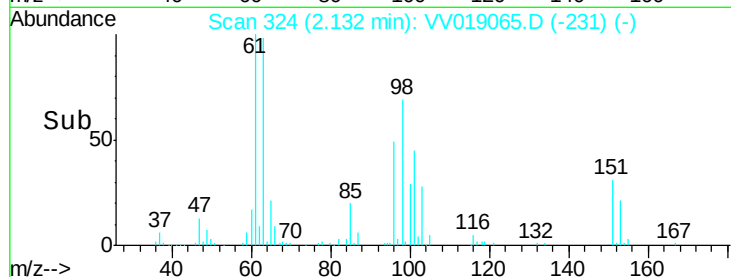
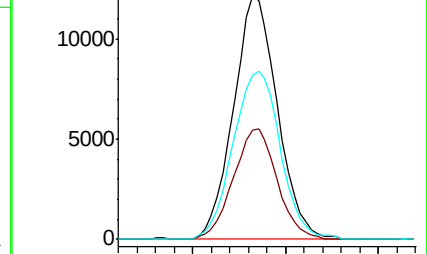
151 74.1 58.2 87.2



Abundance Ion 101.00 (100.70 to 101.70): VV019066.D (-311) (-)

Ion 85.00 (84.70 to 85.70): VV019066.D (-311) (-)

Ion 151.00 (150.70 to 151.70): VV019066.D (-311) (-)



#12

1,1-Dichloroethene

Concen: 9.764 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV019065.D

Acq: 22 Oct 2020 12:21

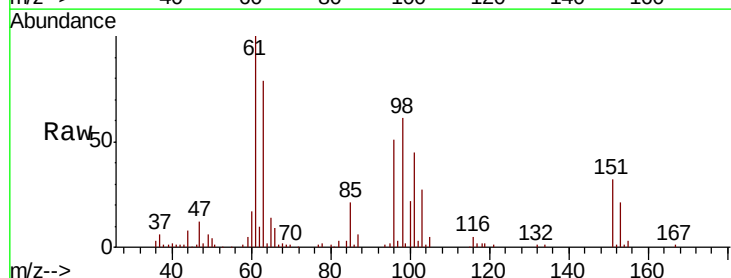
Tgt Ion: 96 Resp: 19722

Ion Ratio Lower Upper

96 100

61 197.9 138.7 257.7

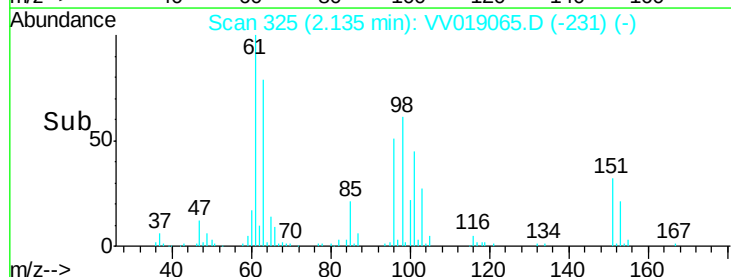
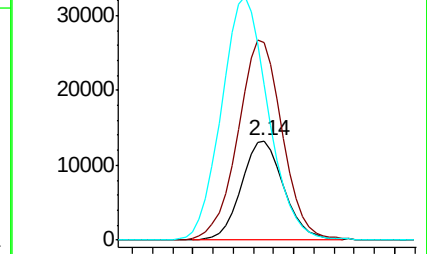
63 155.4 126.3 234.6

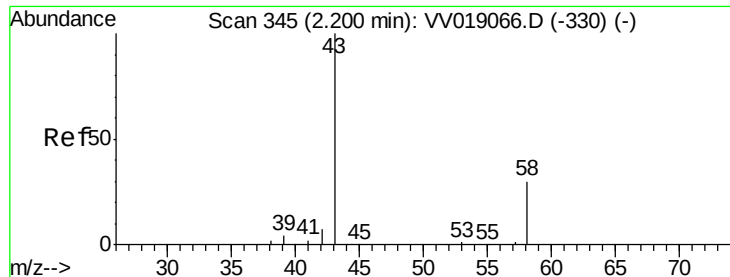


Abundance Ion 96.00 (95.70 to 96.70): VV019065.D (-231) (-)

Ion 61.00 (60.70 to 61.70): VV019065.D (-231) (-)

Ion 63.00 (62.70 to 63.70): VV019065.D (-231) (-)





#13

Acetone

Concen: 18.565 ug/L

RT: 2.20 min Scan# 346

Delta R.T. 0.00 min

Lab File: VV019065.D

Acq: 22 Oct 2020 12:21

Instrument :

MSVOA_V

ClientSampleId :

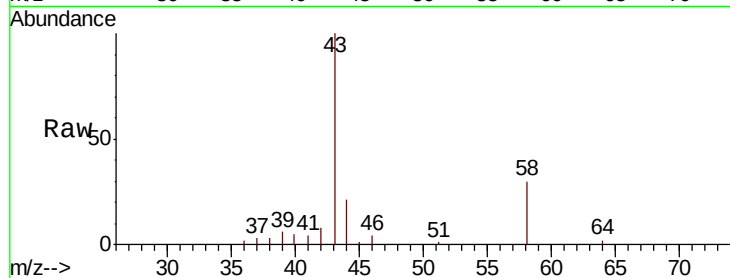
VSTD01062

Tot Ion: 43 Resp: 23705

Ion Ratio Lower Upper

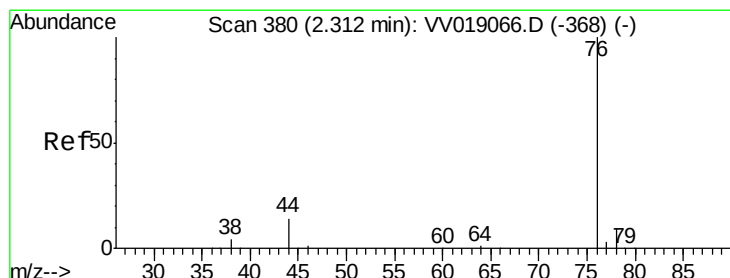
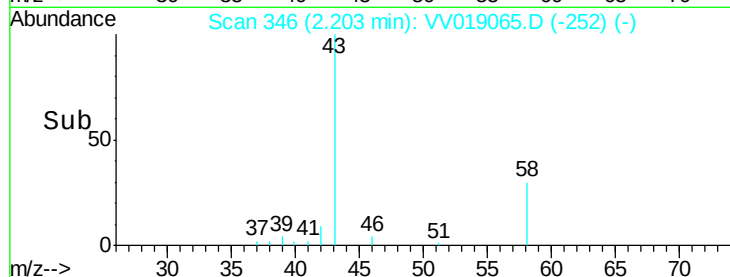
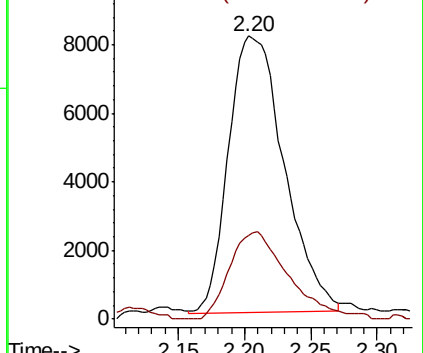
43 100

58 33.1 0.0 60.2



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0



#14

Carbon disulfide

Concen: 9.583 ug/L

RT: 2.31 min Scan# 380

Delta R.T. -0.00 min

Lab File: VV019065.D

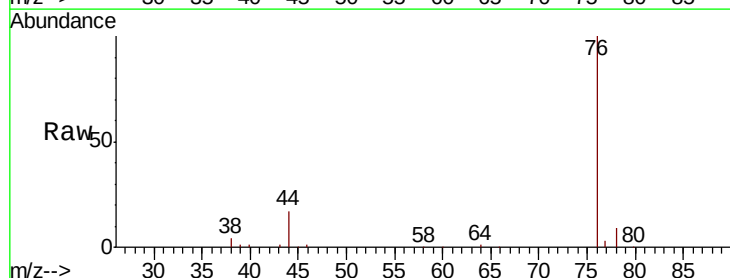
Acq: 22 Oct 2020 12:21

Tgt Ion: 76 Resp: 65566

Ion Ratio Lower Upper

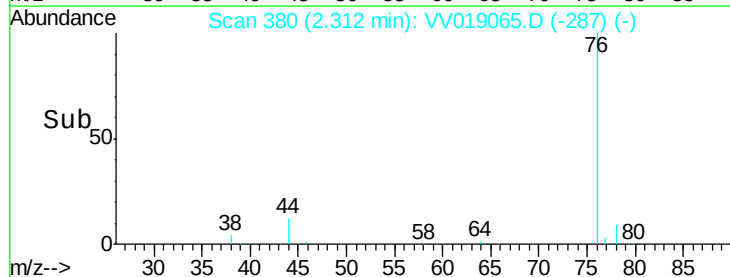
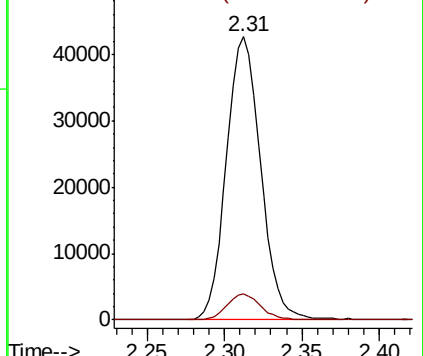
76 100

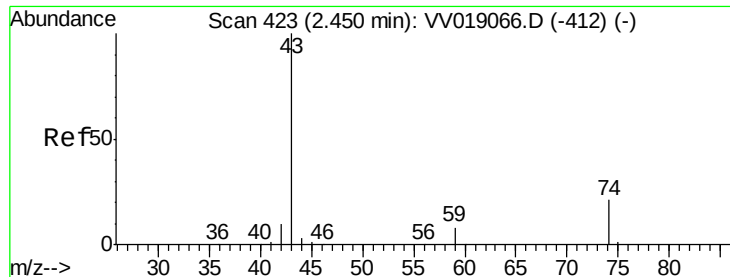
78 9.2 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VV0

Ion 78.00 (77.70 to 78.70): VV0

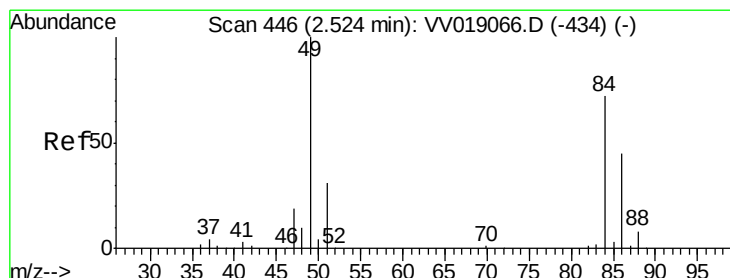
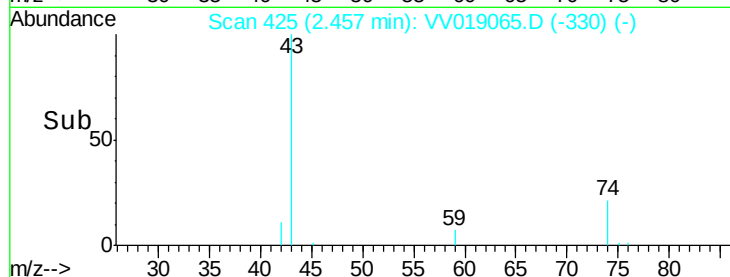
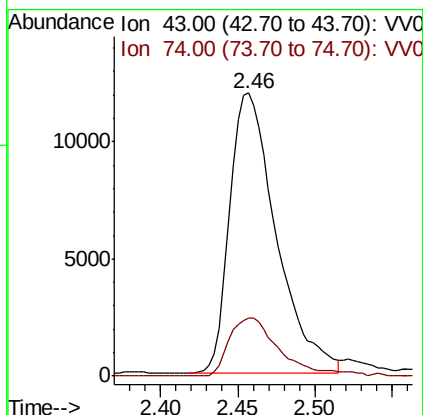
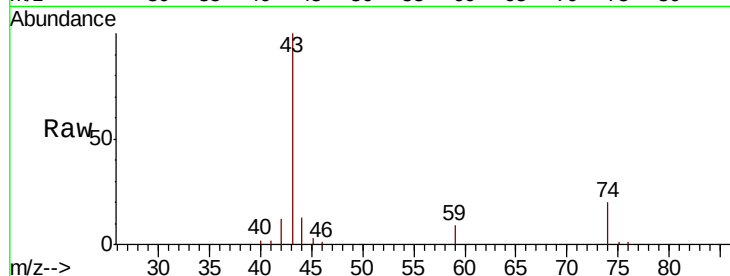




#15
Methyl Acetate
Concen: 9.488 ug/L
RT: 2.46 min Scan# 425
Delta R.T. 0.01 min
Lab File: VV019065.D
Acq: 22 Oct 2020 12:21

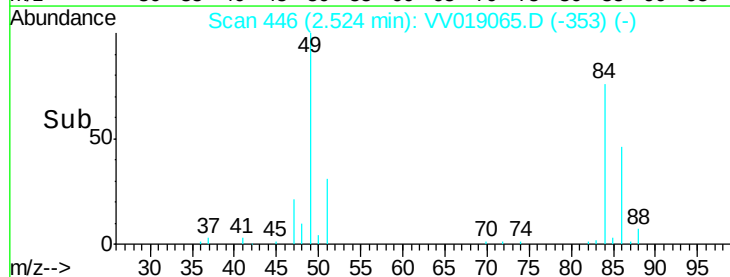
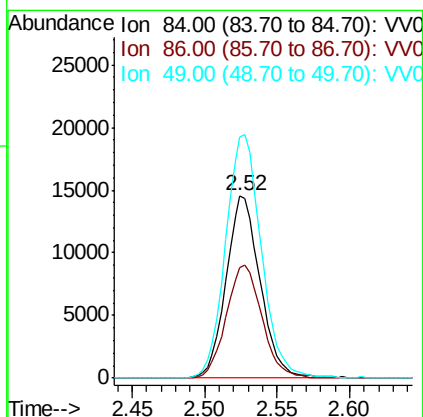
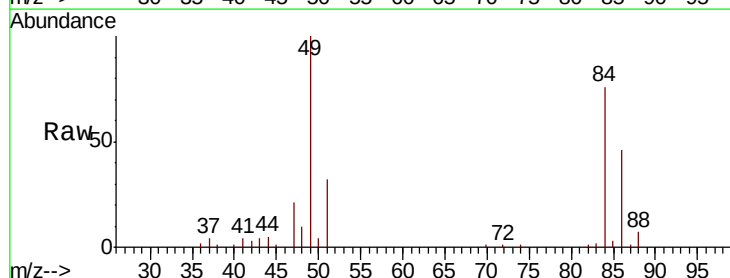
Instrument :
MSVOA_V
ClientSampleId :
VSTD01062

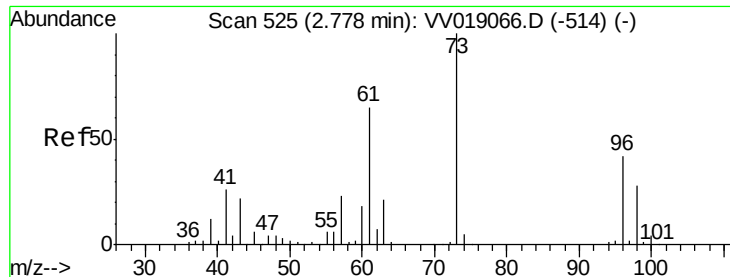
Tot Ion: 43 Resp: 25015
Ion Ratio Lower Upper
43 100
74 21.4 16.4 24.6



#16
Methylene chloride
Concen: 9.827 ug/L
RT: 2.52 min Scan# 446
Delta R.T. -0.00 min
Lab File: VV019065.D
Acq: 22 Oct 2020 12:21

Tgt Ion: 84 Resp: 23665
Ion Ratio Lower Upper
84 100
86 60.9 44.2 82.2
49 132.1 98.0 182.0





#17

trans-1,2-Dichloroethene

Concen: 9.352 ug/L

RT: 2.78 min Scan# 526

Delta R.T. 0.00 min

Lab File: VV019065.D

Acq: 22 Oct 2020 12:21

Instrument :

MSVOA_V

ClientSampleId :

VSTD01062

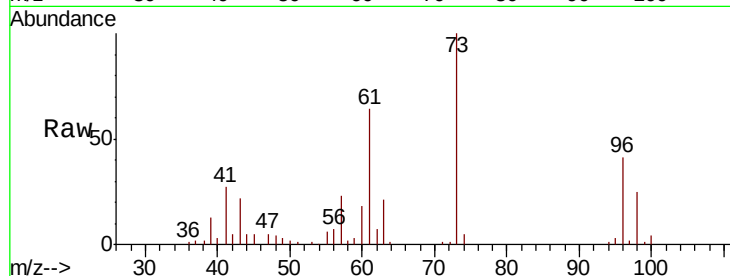
Tot Ion: 96 Resp: 20702

Ion Ratio Lower Upper

96 100

61 154.8 108.6 201.8

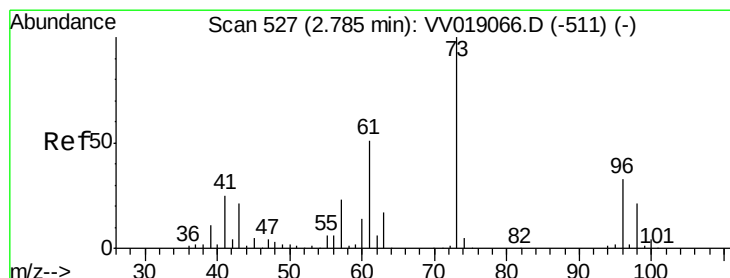
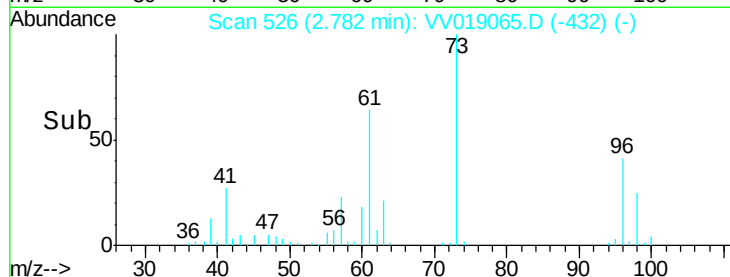
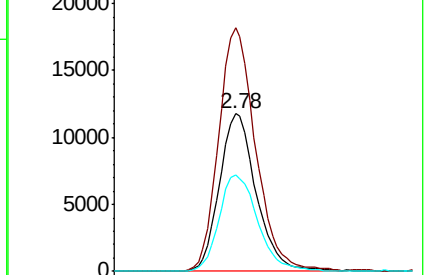
98 61.0 45.7 84.9



Abundance Ion 96.00 (95.70 to 96.70): VV019066.D (-514) (-)

Ion 61.00 (60.70 to 61.70): VV019066.D (-514) (-)

Ion 98.00 (97.70 to 98.70): VV019066.D (-514) (-)



#18

Methyl tert-butyl Ether

Concen: 9.386 ug/L

RT: 2.79 min Scan# 528

Delta R.T. 0.00 min

Lab File: VV019065.D

Acq: 22 Oct 2020 12:21

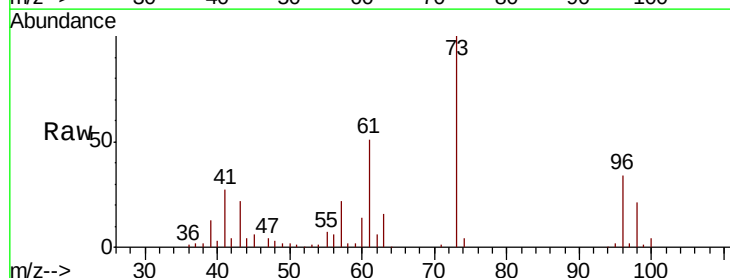
Tgt Ion: 73 Resp: 66026

Ion Ratio Lower Upper

73 100

43 21.2 17.2 25.8

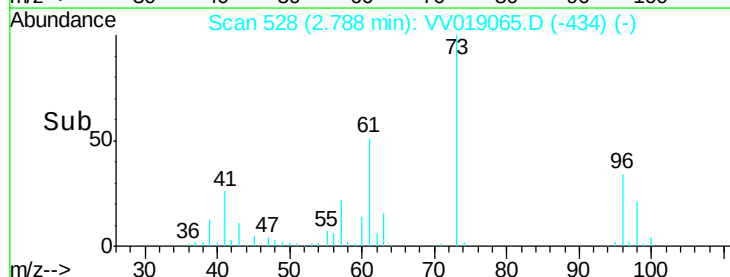
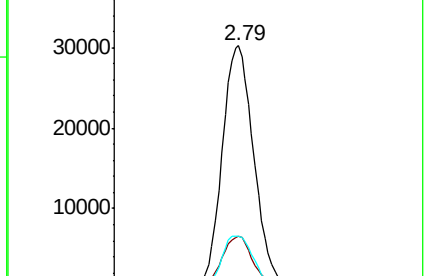
57 22.2 18.5 27.7

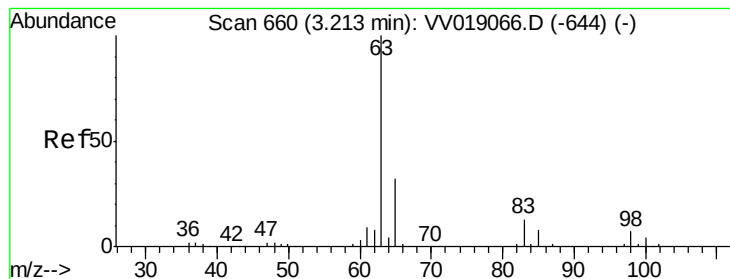


Abundance Ion 73.00 (72.70 to 73.70): VV019066.D (-511) (-)

Ion 43.00 (42.70 to 43.70): VV019066.D (-511) (-)

Ion 57.00 (56.70 to 57.70): VV019066.D (-511) (-)





#19

1,1-Dichloroethane

Concen: 9.895 ug/L

RT: 3.21 min Scan# 660

Delta R.T. -0.00 min

Lab File: VV019065.D

Acq: 22 Oct 2020 12:21

Instrument :

MSVOA_V

ClientSampleId :

VSTD01062

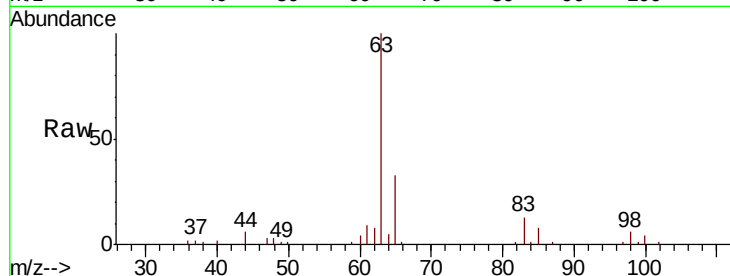
Tot Ion: 63 Resp: 42939

Ion Ratio Lower Upper

63 100

65 32.6 22.7 42.1

83 13.3 9.0 16.8

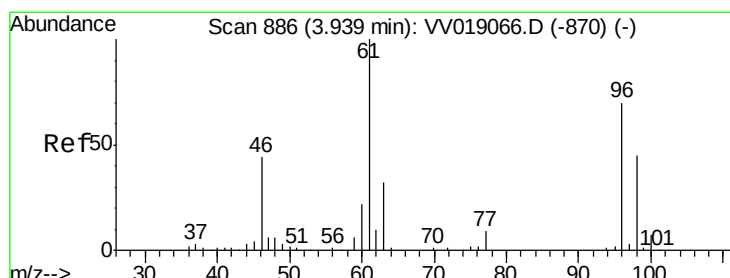
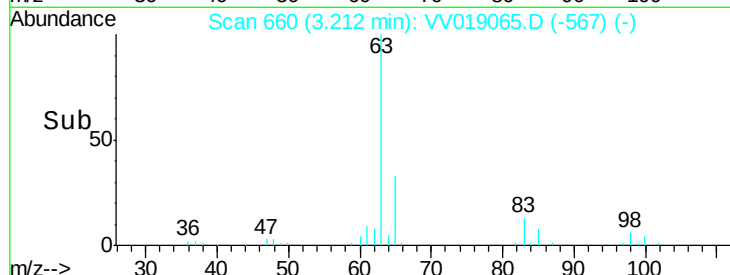
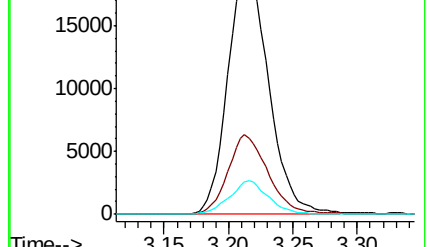


Abundance Ion 63.00 (62.70 to 63.70): VV019066.D (-644) (-)

Ion 65.00 (64.70 to 65.70): VV019066.D (-644) (-)

Ion 83.00 (82.70 to 83.70): VV019066.D (-644) (-)

Time-->



#20

cis-1,2-Dichloroethene

Concen: 9.230 ug/L

RT: 3.94 min Scan# 887

Delta R.T. 0.00 min

Lab File: VV019065.D

Acq: 22 Oct 2020 12:21

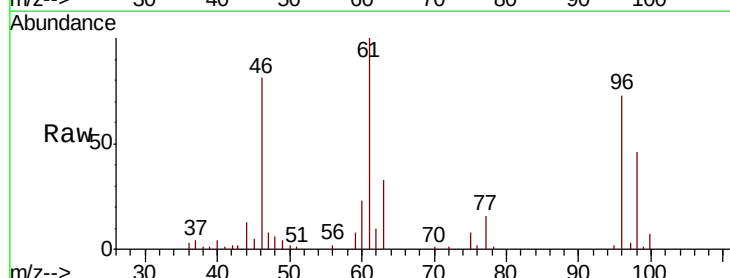
Tgt Ion: 96 Resp: 21626

Ion Ratio Lower Upper

96 100

61 136.9 99.4 184.6

68 0.0 0.0 0.0

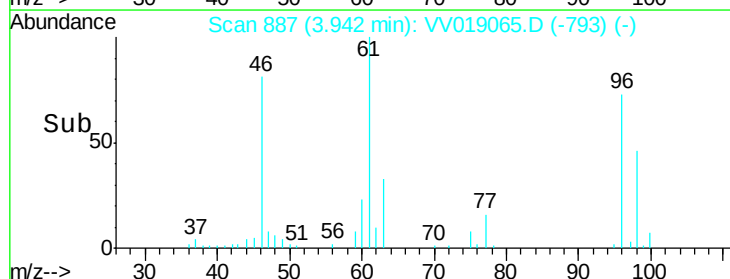
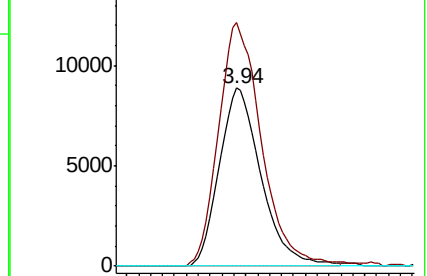


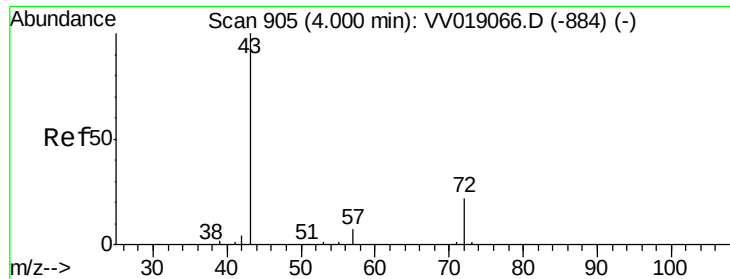
Abundance Ion 96.00 (95.70 to 96.70): VV019066.D (-870) (-)

Ion 61.00 (60.70 to 61.70): VV019066.D (-870) (-)

Ion 68.00 (67.70 to 68.70): VV019066.D (-870) (-)

Time-->





#22

2-Butanone

Concen: 16.099 ug/L

RT: 4.02 min Scan# 911

Delta R.T. 0.02 min

Lab File: VV019065.D

Acq: 22 Oct 2020 12:21

Instrument :

MSVOA_V

ClientSampleId :

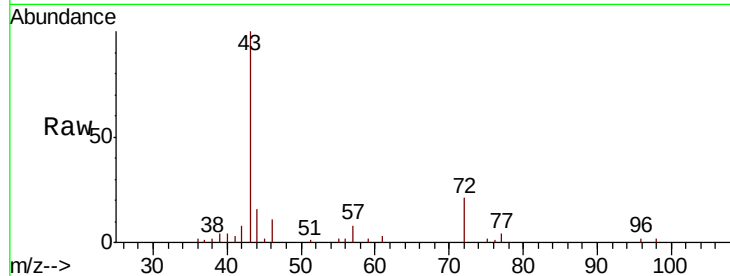
VSTD01062

Tot Ion: 43 Resp: 27829

Ion Ratio Lower Upper

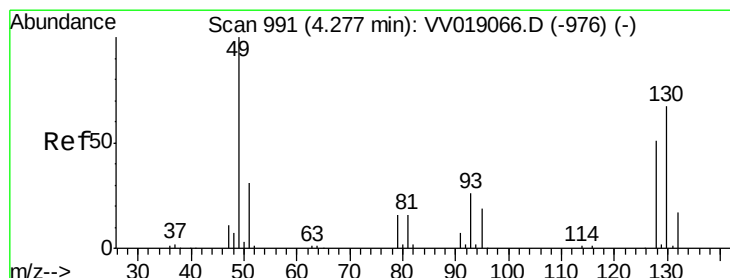
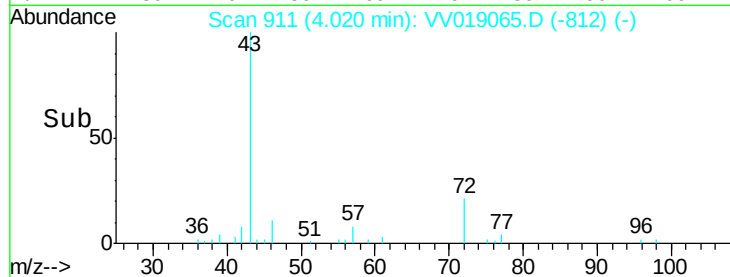
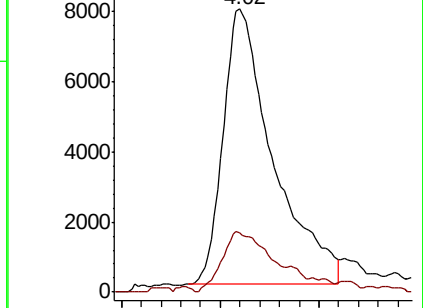
43 100

72 19.7 10.8 32.4



Abundance Ion 43.00 (42.70 to 43.70): VV019066.D (-884) (-)

Ion 72.00 (71.70 to 72.70): VV019066.D (-884) (-)



#23

Bromochloromethane

Concen: 9.657 ug/L

RT: 4.28 min Scan# 992

Delta R.T. 0.00 min

Lab File: VV019065.D

Acq: 22 Oct 2020 12:21

Tgt Ion: 128 Resp: 11716

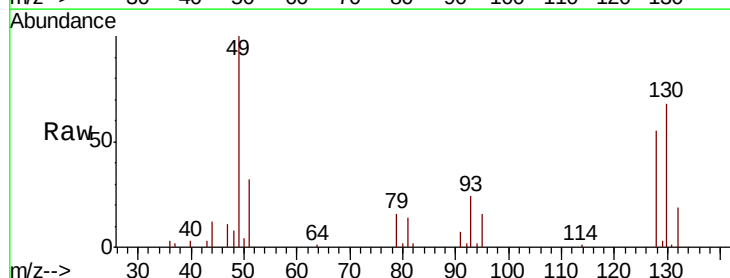
Ion Ratio Lower Upper

128 100

49 183.4 137.1 254.5

130 124.0 92.0 170.9

51 58.0 49.0 73.4

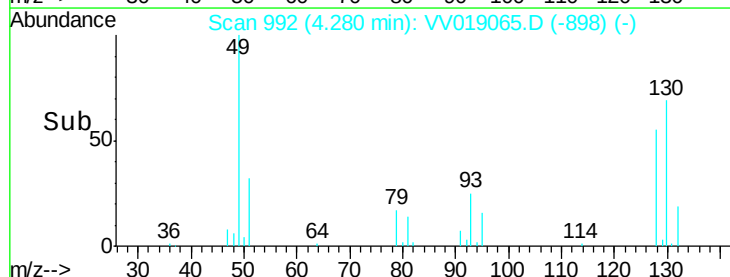
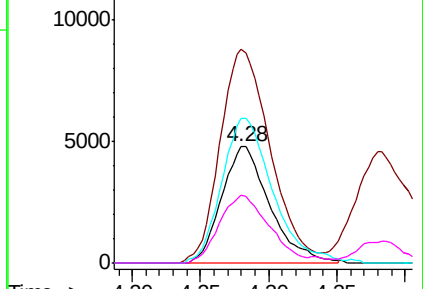


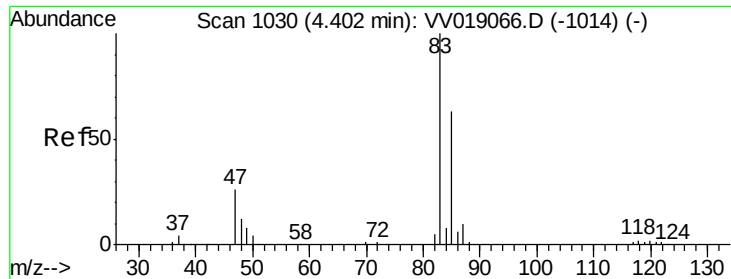
Abundance Ion 128.00 (127.70 to 128.70): VV019065.D (-898) (-)

Ion 49.00 (48.70 to 49.70): VV019065.D (-898) (-)

Ion 130.00 (129.70 to 130.70): VV019065.D (-898) (-)

Ion 51.00 (50.70 to 51.70): VV019065.D (-898) (-)

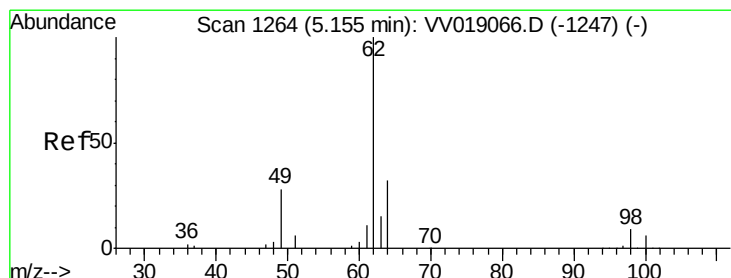
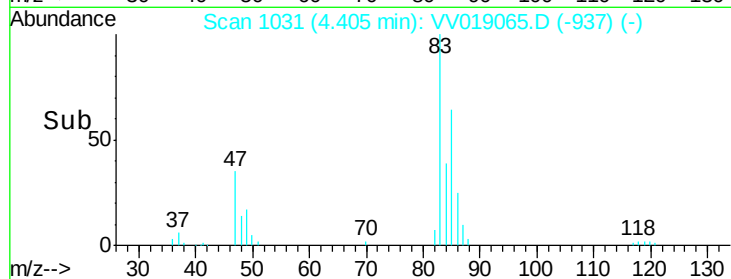
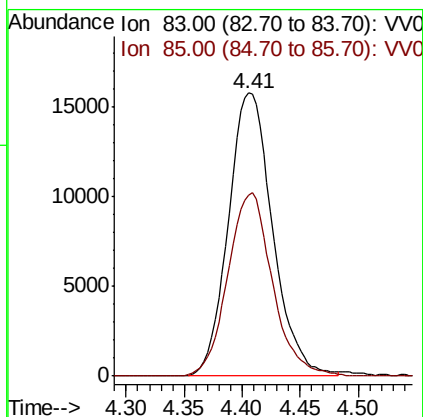
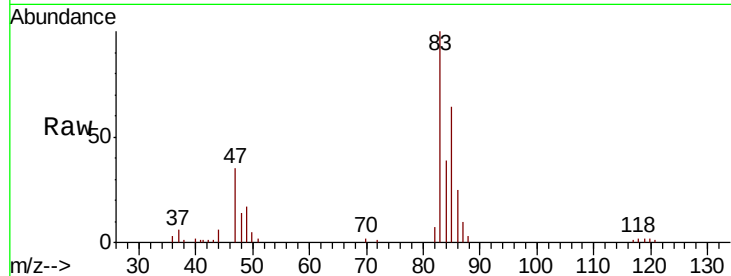




#25
Chloroform
Concen: 9.630 ug/L
RT: 4.41 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VV019065.D
Acq: 22 Oct 2020 12:21

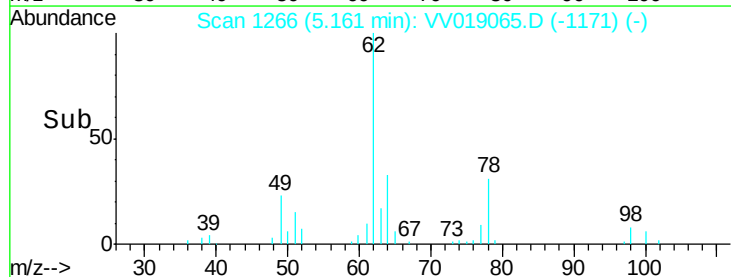
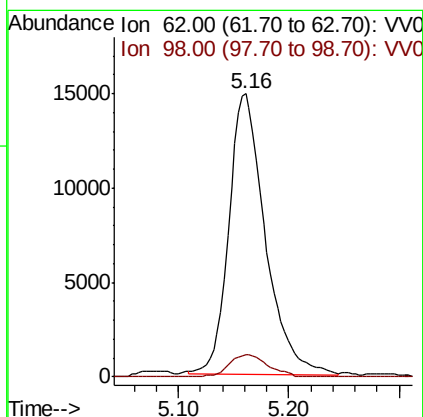
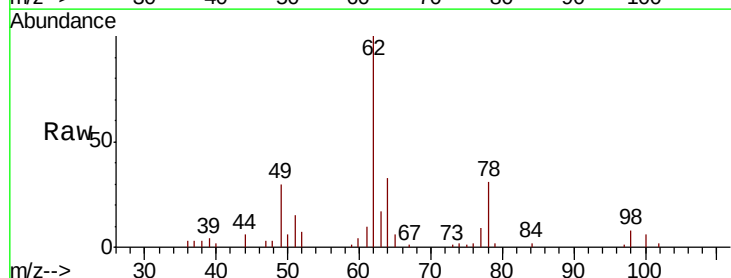
Instrument :
MSVOA_V
ClientSampleId :
VSTD01062

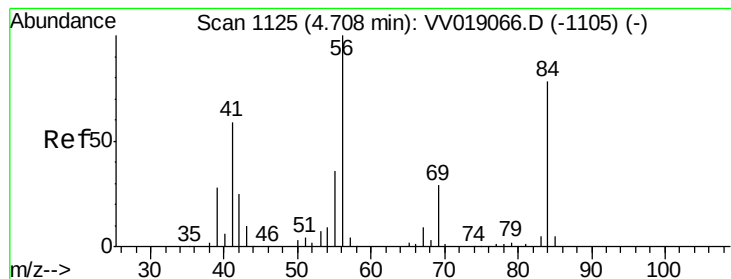
Tot Ion: 83 Resp: 41781
Ion Ratio Lower Upper
83 100
85 63.9 44.5 82.7



#27
1,2-Dichloroethane
Concen: 9.537 ug/L
RT: 5.16 min Scan# 1266
Delta R.T. 0.01 min
Lab File: VV019065.D
Acq: 22 Oct 2020 12:21

Tgt Ion: 62 Resp: 33986
Ion Ratio Lower Upper
62 100
98 7.8 6.9 10.3





#29

Cyclohexane

Concen: 8.725 ug/L

RT: 4.70 min Scan# 1124

Delta R.T. -0.00 min

Lab File: VV019065.D

Acq: 22 Oct 2020 12:21

Instrument :

MSVOA_V

ClientSampleId :

VSTD01062

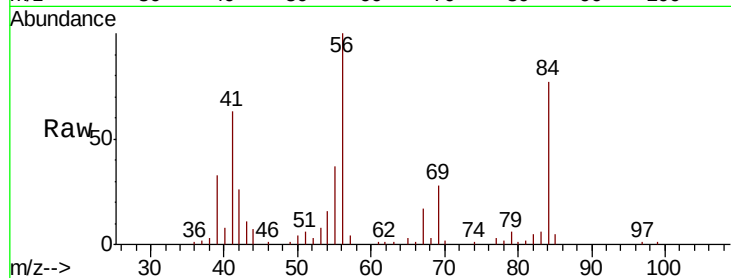
Tot Ion: 56 Resp: 31670

Ion Ratio Lower Upper

56 100

69 29.3 22.7 34.1

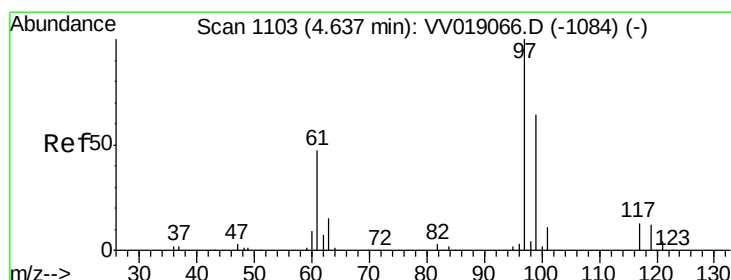
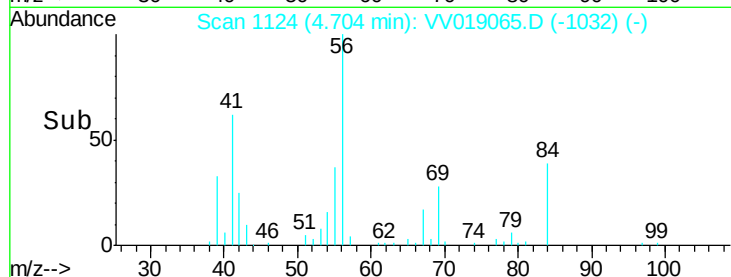
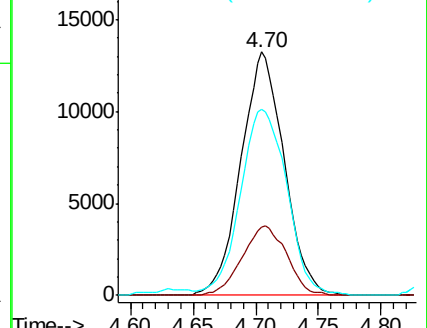
84 80.4 63.5 95.3



Abundance Ion 56.00 (55.70 to 56.70): VV019066.D (-1105) (-)

Ion 69.00 (68.70 to 69.70): VV019066.D (-1105) (-)

Ion 84.00 (83.70 to 84.70): VV019066.D (-1105) (-)



#30

1,1,1-Trichloroethane

Concen: 9.473 ug/L

RT: 4.64 min Scan# 1103

Delta R.T. -0.00 min

Lab File: VV019065.D

Acq: 22 Oct 2020 12:21

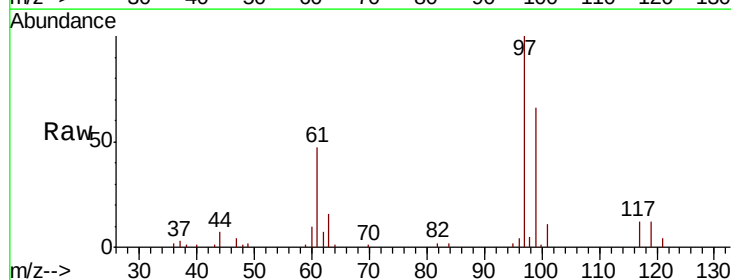
Tgt Ion: 97 Resp: 35579

Ion Ratio Lower Upper

97 100

99 65.5 50.5 75.7

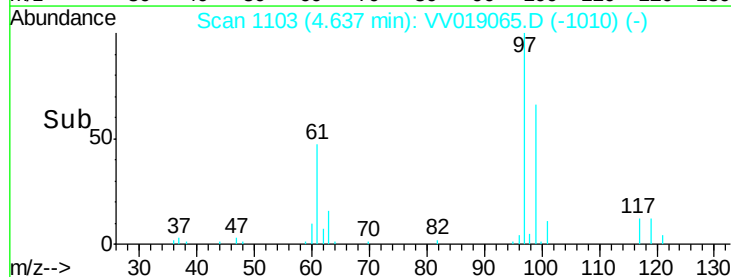
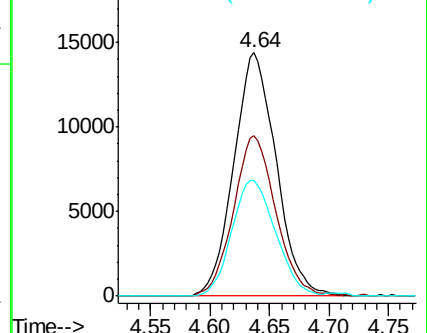
61 49.0 38.1 57.1

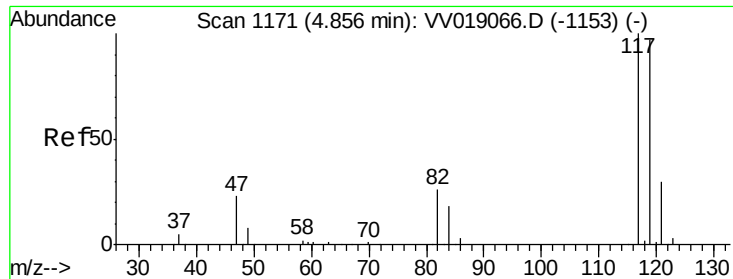


Abundance Ion 97.00 (96.70 to 97.70): VV019066.D (-1084) (-)

Ion 99.00 (98.70 to 99.70): VV019066.D (-1084) (-)

Ion 61.05 (60.75 to 61.75): VV019066.D (-1084) (-)





#31

Carbon tetrachloride

Concen: 9.777 ug/L

RT: 4.86 min Scan# 1172

Delta R.T. 0.00 min

Lab File: VV019065.D

Acq: 22 Oct 2020 12:21

Instrument :

MSVOA_V

ClientSampleId :

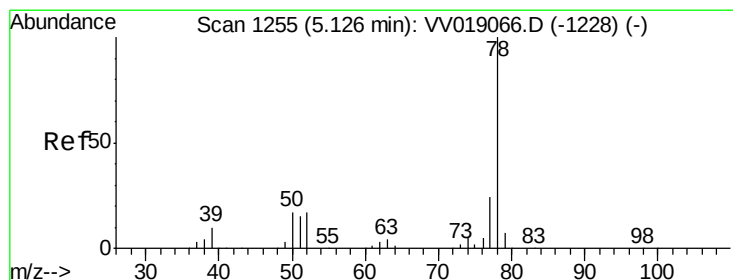
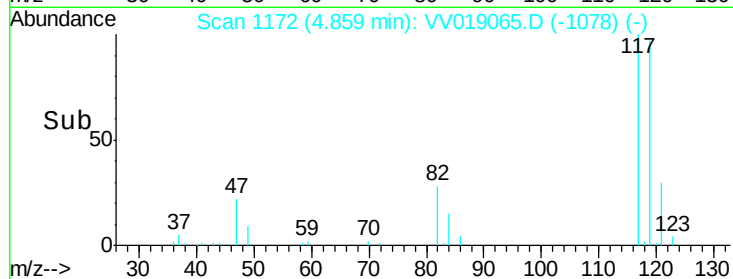
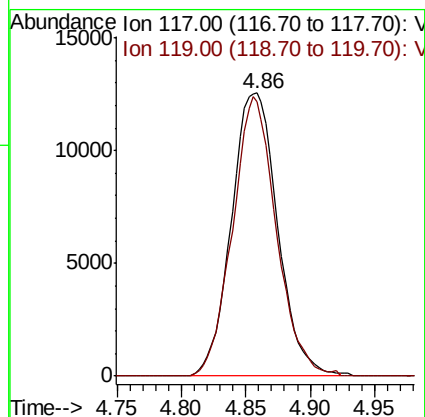
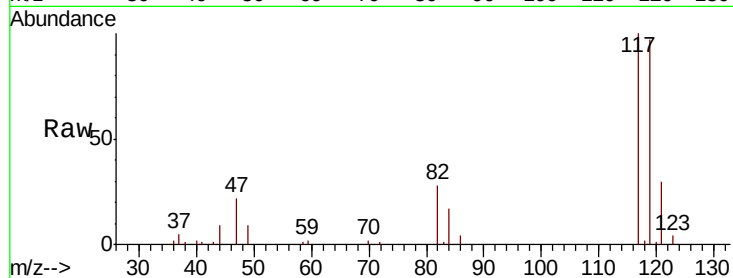
VSTD01062

Tot Ion:117 Resp: 31343

Ion Ratio Lower Upper

117 100

119 93.1 77.2 115.8



#33

Benzene

Concen: 9.479 ug/L

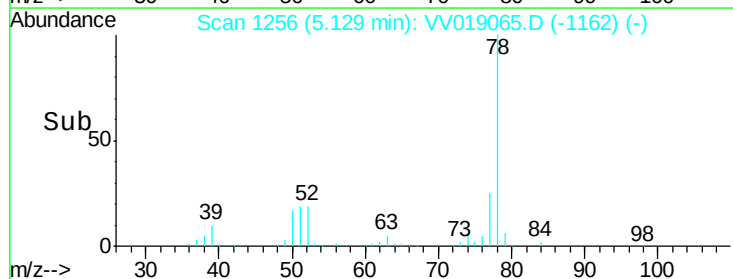
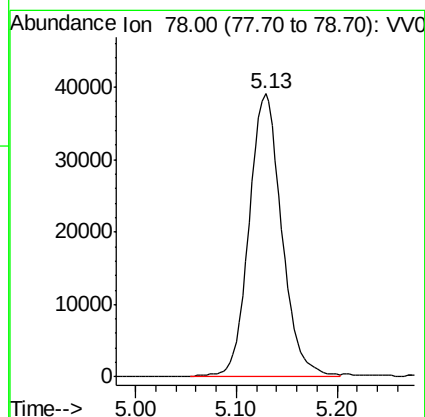
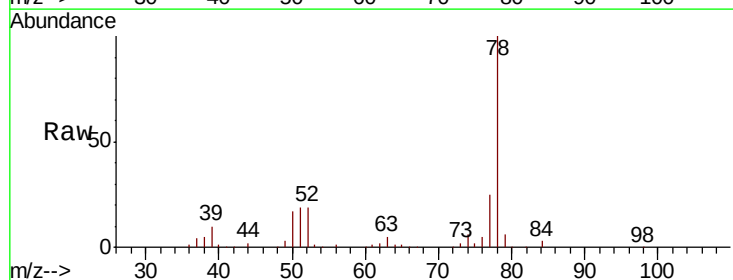
RT: 5.13 min Scan# 1256

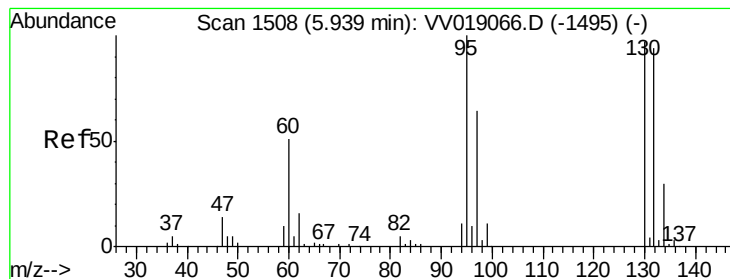
Delta R.T. 0.00 min

Lab File: VV019065.D

Acq: 22 Oct 2020 12:21

Tgt Ion: 78 Resp: 87654





#34

Trichloroethene

Concen: 8.587 ug/L

RT: 5.94 min Scan# 1509

Delta R.T. 0.00 min

Lab File: VV019065.D

Acq: 22 Oct 2020 12:21

Instrument :

MSVOA_V

ClientSampleId :

VSTD01062

Tot Ion: 95 Resp: 22426

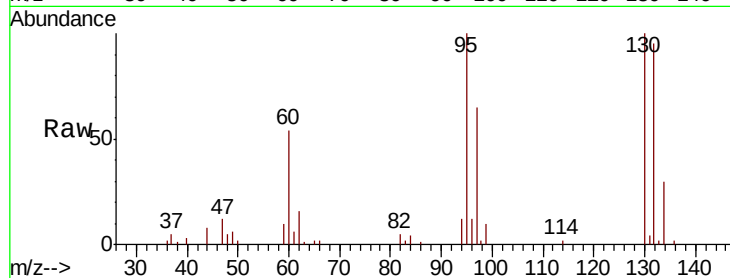
Ion Ratio Lower Upper

95 100

97 65.7 44.6 82.8

132 95.6 66.0 122.6

130 100.3 67.6 125.6

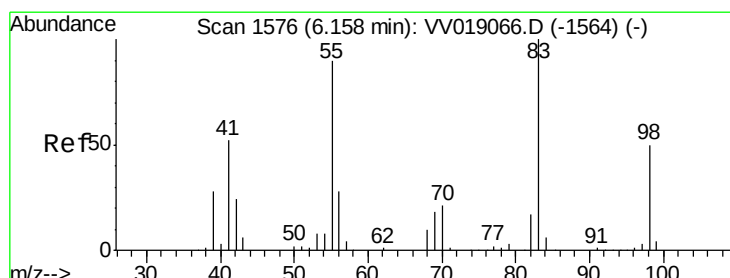
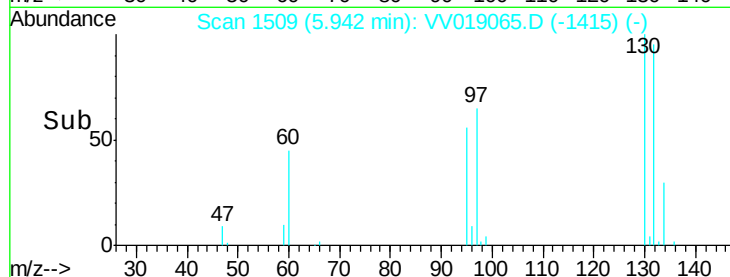
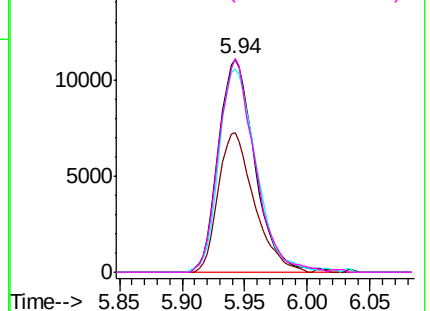


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 8.597 ug/L

RT: 6.16 min Scan# 1576

Delta R.T. -0.00 min

Lab File: VV019065.D

Acq: 22 Oct 2020 12:21

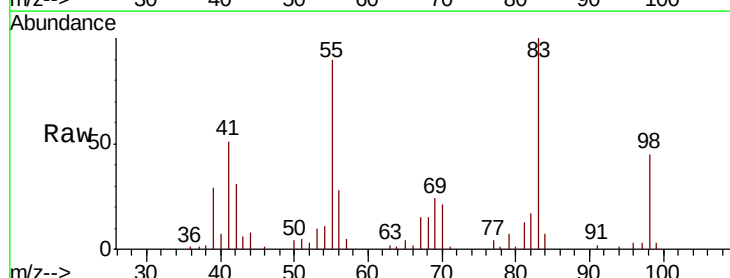
Tgt Ion: 83 Resp: 28134

Ion Ratio Lower Upper

83 100

55 89.1 68.1 102.1

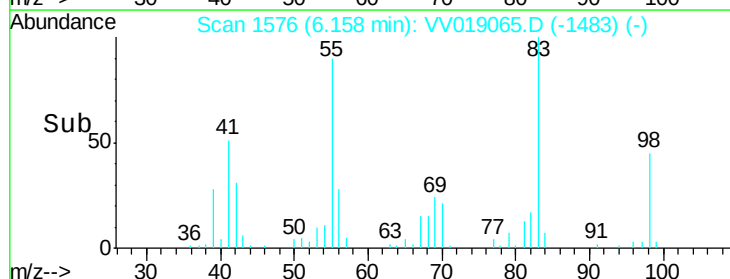
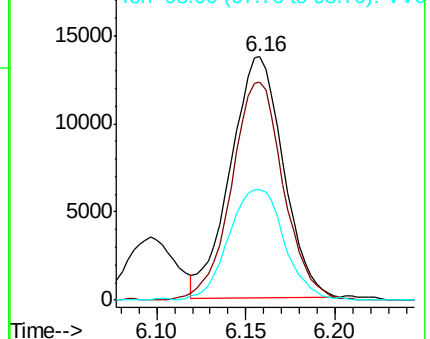
98 48.4 37.9 56.9

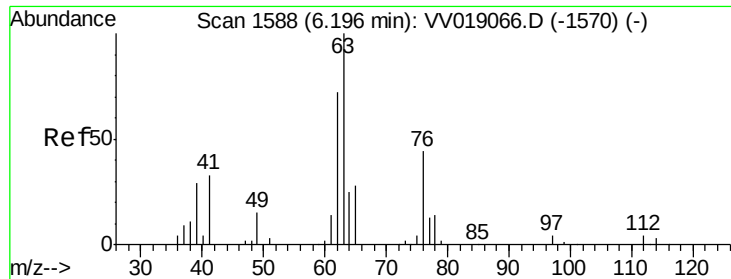


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

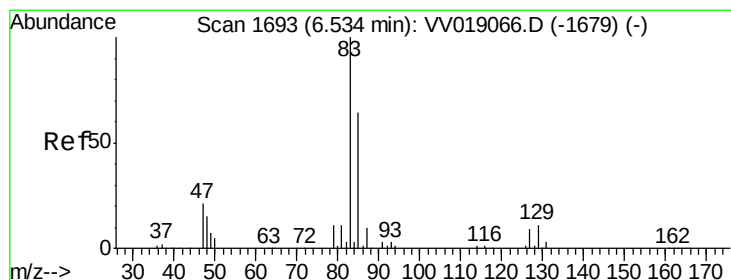
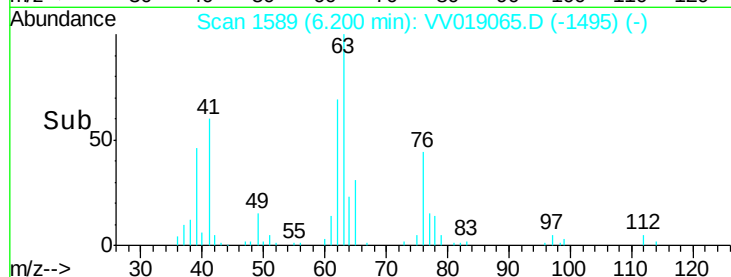
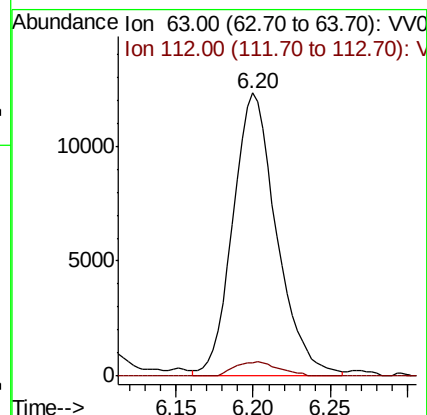
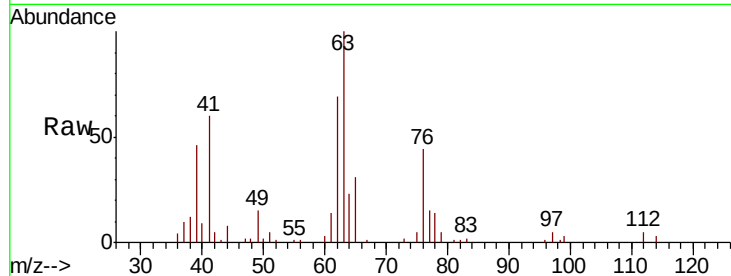




#37
 1,2-Dichloropropane
 Concen: 9.806 ug/L
 RT: 6.20 min Scan# 1589
 Delta R.T. 0.00 min
 Lab File: VV019065.D
 Acq: 22 Oct 2020 12:21

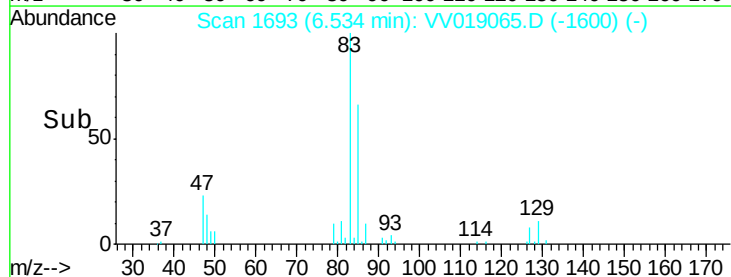
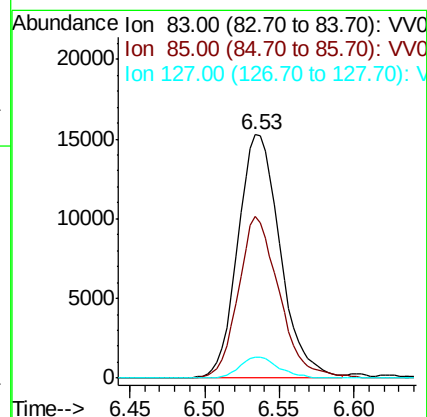
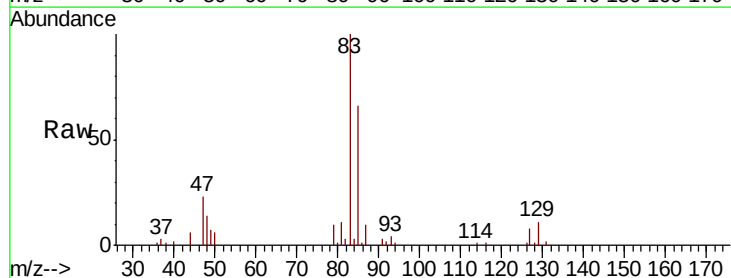
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01062

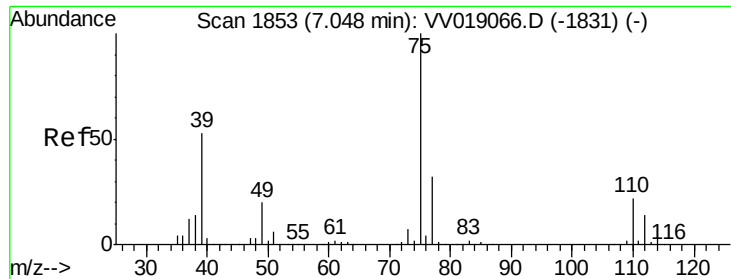
Tot Ion: 63 Resp: 24227
 Ion Ratio Lower Upper
 63 100
 112 5.0 3.5 5.3



#38
 Bromodichloromethane
 Concen: 9.483 ug/L
 RT: 6.53 min Scan# 1693
 Delta R.T. -0.00 min
 Lab File: VV019065.D
 Acq: 22 Oct 2020 12:21

Tgt Ion: 83 Resp: 30095
 Ion Ratio Lower Upper
 83 100
 85 66.3 44.9 83.3
 127 8.4 7.0 10.4

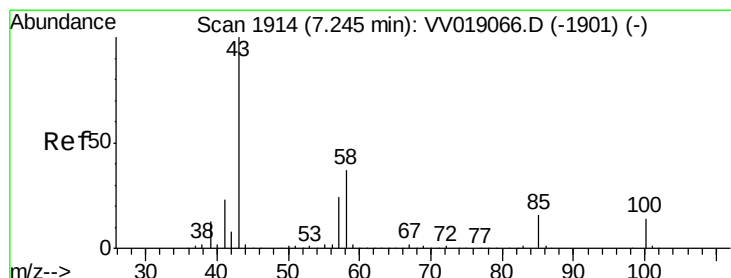
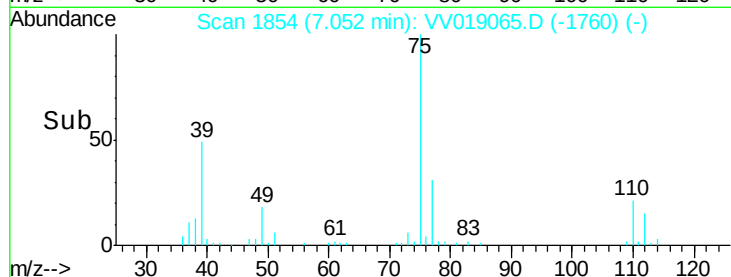
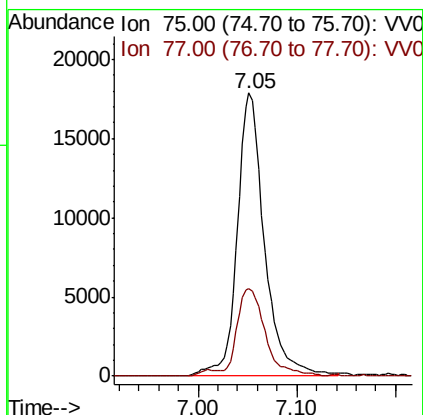
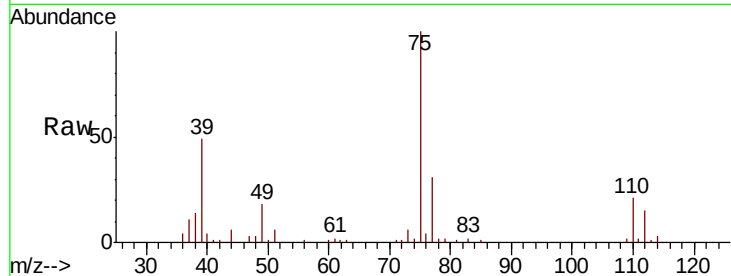




#39
 cis-1,3-Dichloropropene
 Concen: 9.180 ug/L
 RT: 7.05 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: VV019065.D
 Acq: 22 Oct 2020 12:21

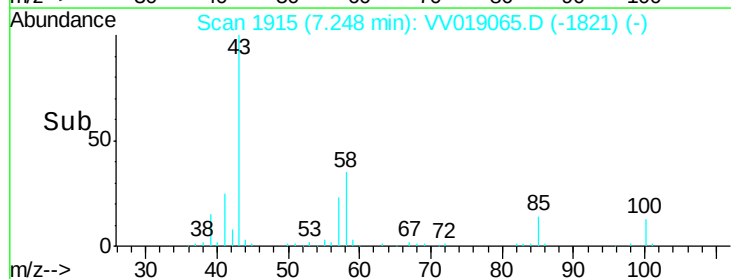
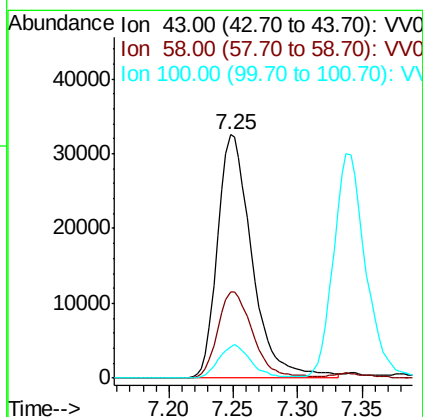
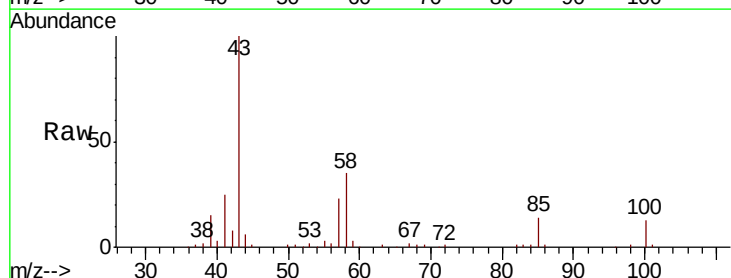
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01062

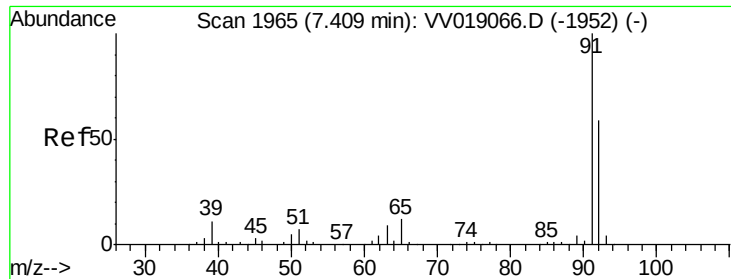
Tot Ion: 75 Resp: 34278
 Ion Ratio Lower Upper
 75 100
 77 30.9 22.1 41.1



#40
 4-Methyl-2-pentanone
 Concen: 17.772 ug/L
 RT: 7.25 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VV019065.D
 Acq: 22 Oct 2020 12:21

Tgt Ion: 43 Resp: 60595
 Ion Ratio Lower Upper
 43 100
 58 36.1 29.6 44.4
 100 12.9 10.9 16.3





#42

Toluene

Concen: 9.179 ug/L

RT: 7.41 min Scan# 1966

Delta R.T. 0.00 min

Lab File: VV019065.D

Acq: 22 Oct 2020 12:21

Instrument :

MSVOA_V

ClientSampleId :

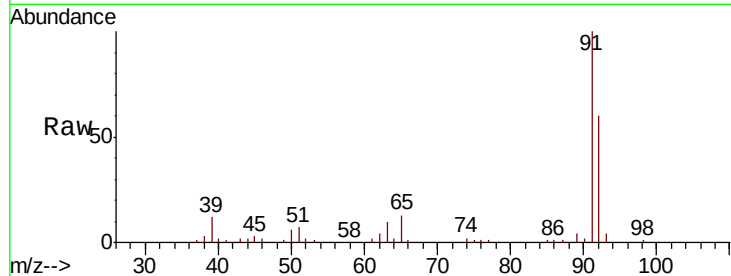
VSTD01062

Tot Ion: 91 Resp: 87221

Ion Ratio Lower Upper

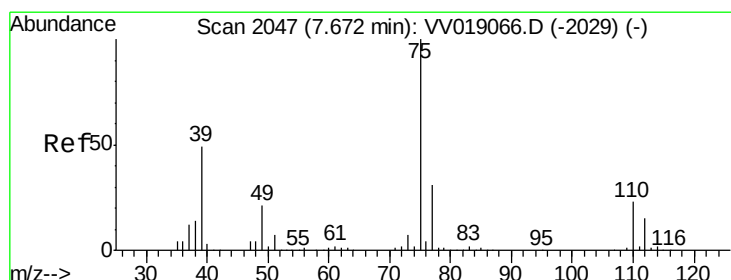
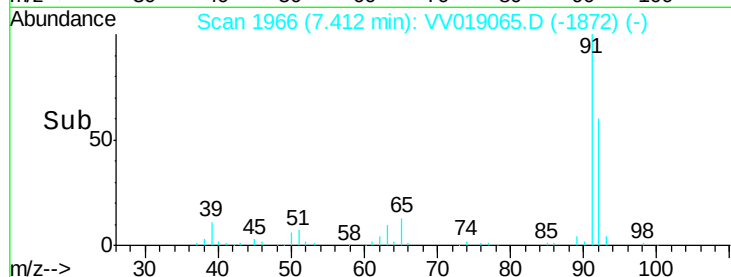
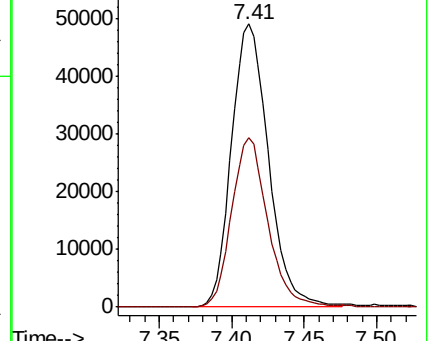
91 100

92 60.1 40.9 76.0



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: 9.200 ug/L

RT: 7.68 min Scan# 2048

Delta R.T. 0.00 min

Lab File: VV019065.D

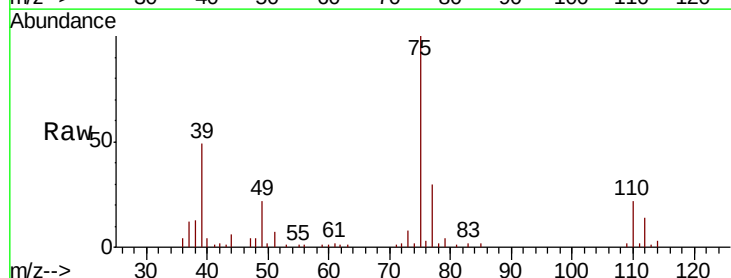
Acq: 22 Oct 2020 12:21

Tgt Ion: 75 Resp: 33213

Ion Ratio Lower Upper

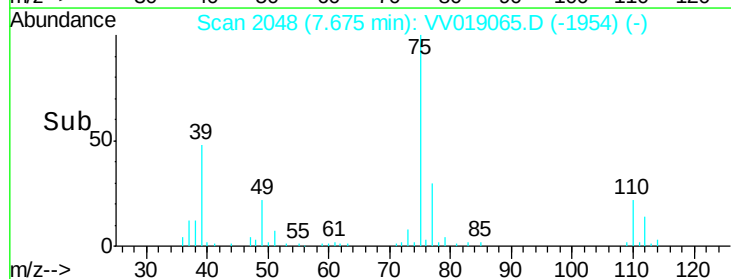
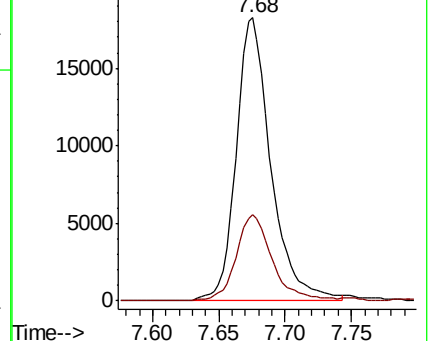
75 100

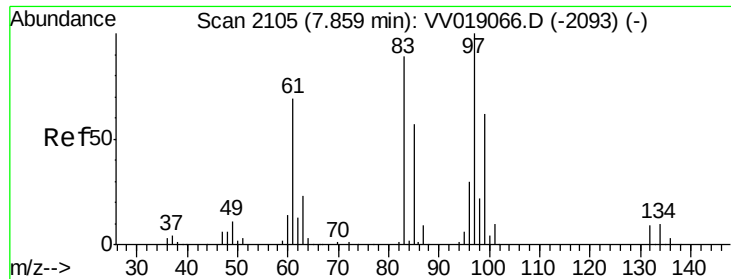
77 30.4 21.5 39.9



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

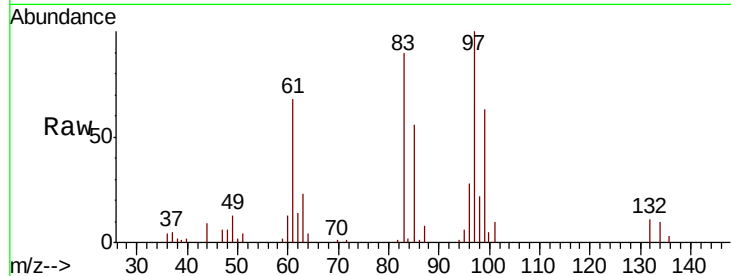




#45
 1,1,2-Trichloroethane
 Concen: 9.527 ug/L
 RT: 7.86 min Scan# 2106
 Delta R.T. 0.00 min
 Lab File: VV019065.D
 Acq: 22 Oct 2020 12:21

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01062

Tot Ion:	97	Resp:	21791
Ion	Ratio	Lower	Upper
97	100		
99	63.3	43.5	80.9
83	89.6	62.2	115.4
85	55.7	39.9	74.1



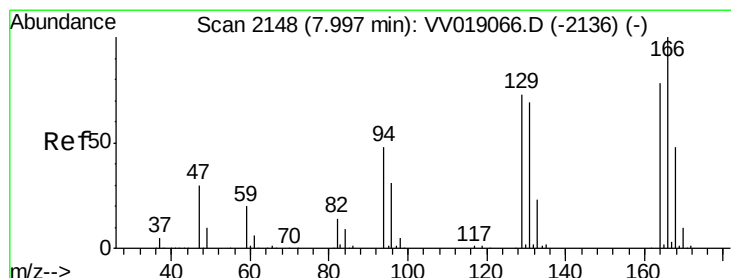
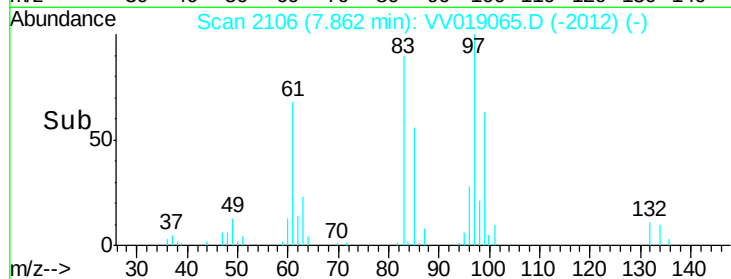
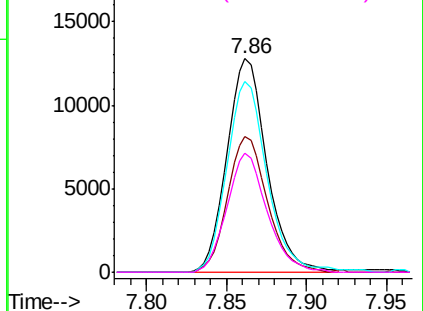
Abundance

Ion 97.00 (96.70 to 97.70): VV019066.D (-2093) (-)

Ion 99.00 (98.70 to 99.70): VV019066.D (-2093) (-)

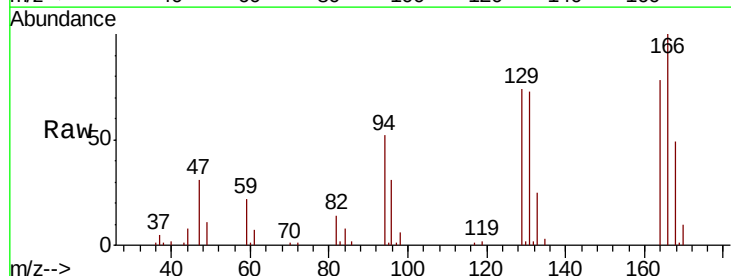
Ion 83.00 (82.70 to 83.70): VV019066.D (-2093) (-)

Ion 85.00 (84.70 to 85.70): VV019066.D (-2093) (-)



#46
 Tetrachloroethene
 Concen: 8.956 ug/L
 RT: 8.00 min Scan# 2148
 Delta R.T. -0.00 min
 Lab File: VV019065.D
 Acq: 22 Oct 2020 12:21

Tgt Ion:	164	Resp:	16769
Ion	Ratio	Lower	Upper
164	100		
129	94.7	65.5	121.6
131	94.2	62.4	115.8
166	128.7	90.0	167.2



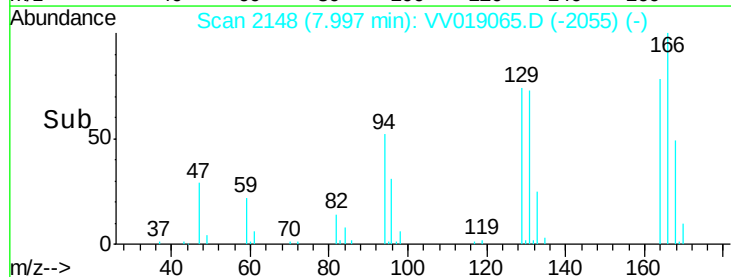
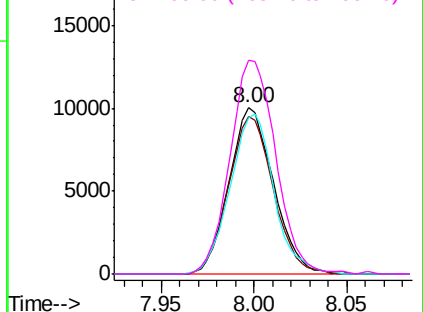
Abundance

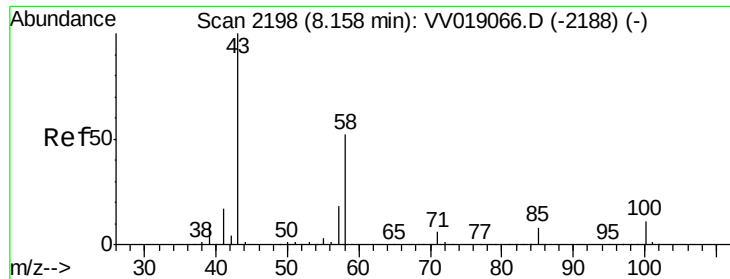
Ion 164.00 (163.70 to 164.70): VV019066.D (-2136) (-)

Ion 129.00 (128.70 to 129.70): VV019066.D (-2136) (-)

Ion 131.00 (130.70 to 131.70): VV019066.D (-2136) (-)

Ion 166.00 (165.70 to 166.70): VV019066.D (-2136) (-)

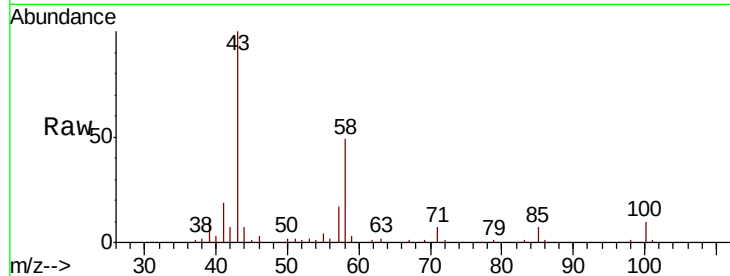




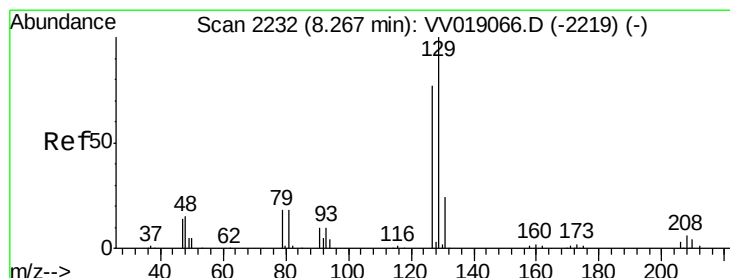
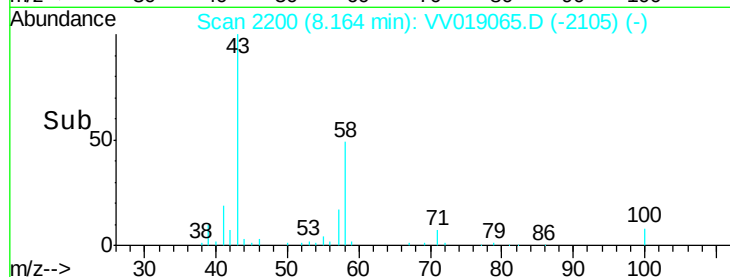
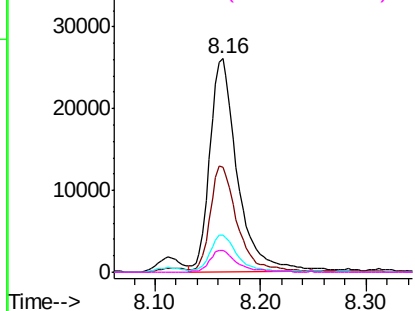
#48
2-Hexanone
Concen: 17.771 ug/L
RT: 8.16 min Scan# 2200
Delta R.T. 0.01 min
Lab File: VV019065.D
Acq: 22 Oct 2020 12:21

Instrument :
MSVOA_V
ClientSampleId :
VSTD01062

Tot Ion: 43 Resp: 47873
Ion Ratio Lower Upper
43 100
58 47.8 41.1 61.7
57 17.1 14.7 22.1
100 10.3 8.6 12.8

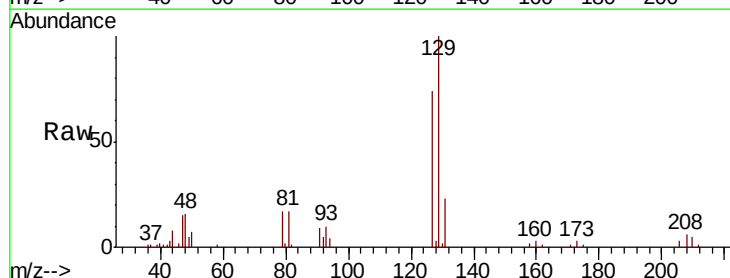


Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 58.00 (57.70 to 58.70): VV0
Ion 57.00 (56.70 to 57.70): VV0
Ion 100.00 (99.70 to 100.70): VV0

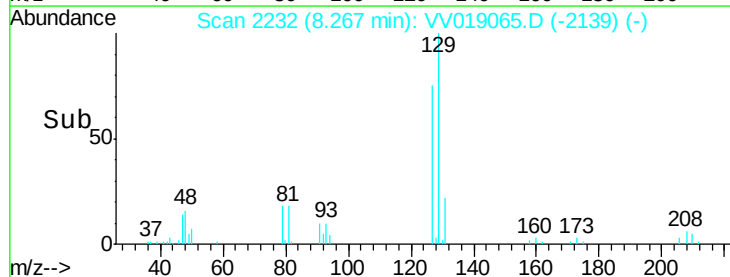
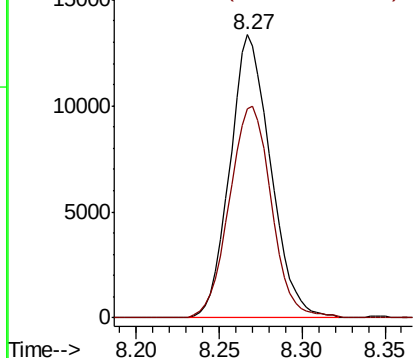


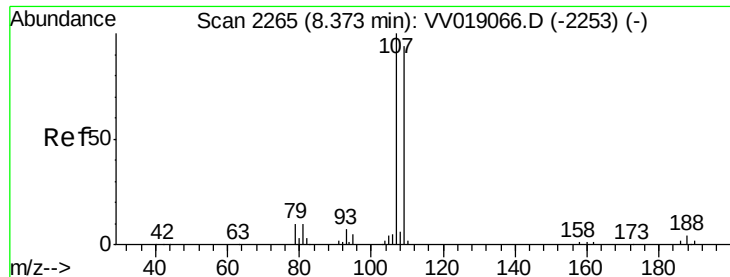
#49
Dibromochloromethane
Concen: 9.345 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. -0.00 min
Lab File: VV019065.D
Acq: 22 Oct 2020 12:21

Tgt Ion: 129 Resp: 22784
Ion Ratio Lower Upper
129 100
127 73.8 53.7 99.7



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

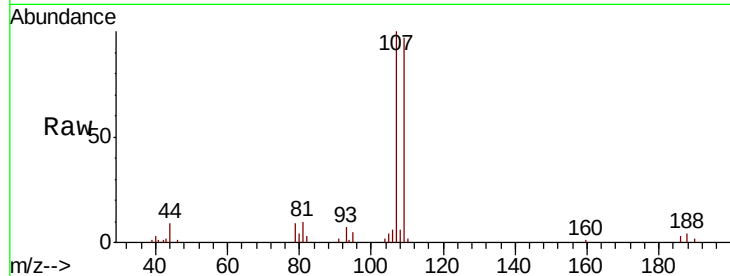




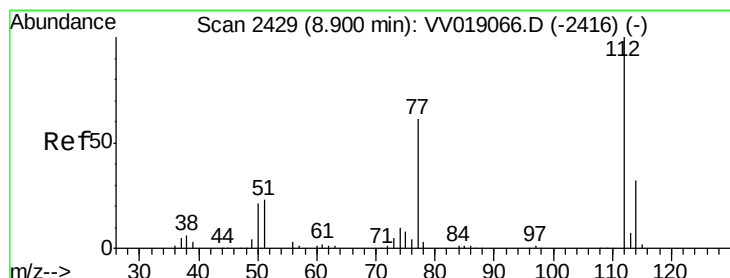
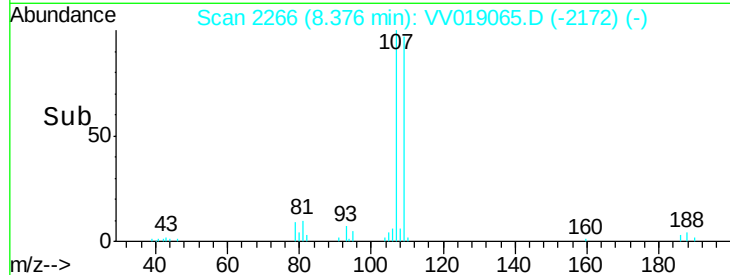
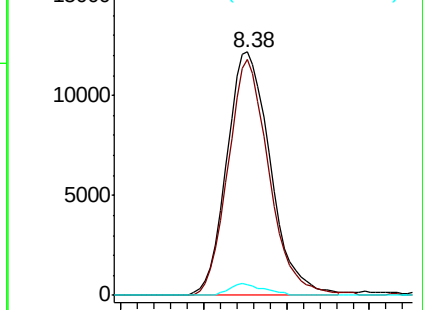
#50
 1,2-Dibromoethane
 Concen: 9.358 ug/L
 RT: 8.38 min Scan# 2266
 Delta R.T. 0.00 min
 Lab File: VV019065.D
 Acq: 22 Oct 2020 12:21

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01062

Tot Ion:107 Resp: 22284
 Ion Ratio Lower Upper
 107 100
 109 96.9 66.1 122.7
 188 4.4 3.2 4.8

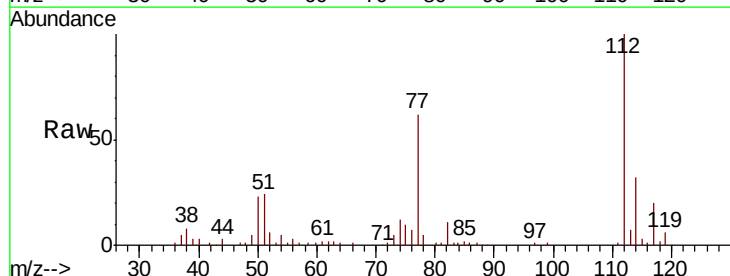


Abundance Ion 107.00 (106.70 to 107.70): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 188.00 (187.70 to 188.70): V

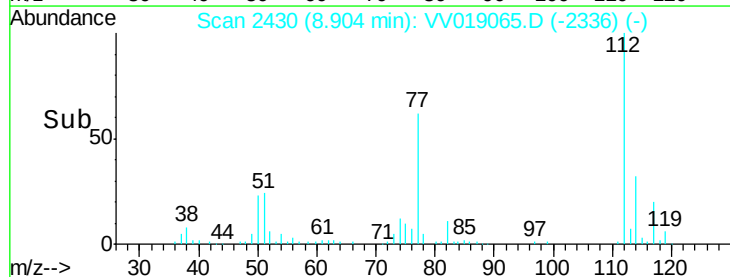
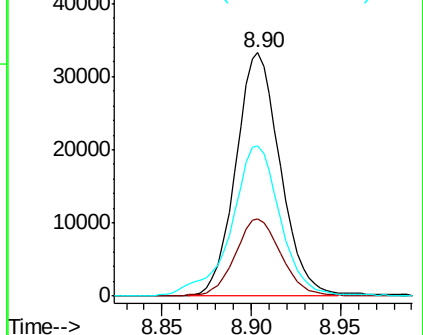


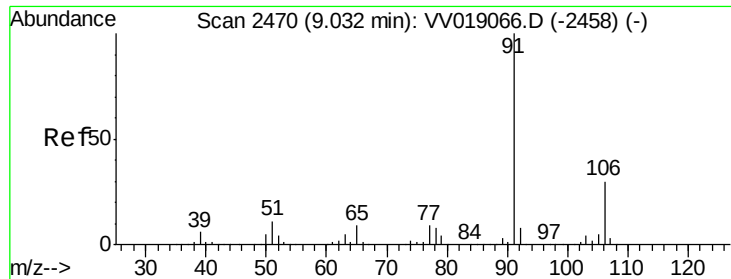
#51
 Chlorobenzene
 Concen: 9.349 ug/L
 RT: 8.90 min Scan# 2430
 Delta R.T. 0.00 min
 Lab File: VV019065.D
 Acq: 22 Oct 2020 12:21

Tgt Ion:112 Resp: 57904
 Ion Ratio Lower Upper
 112 100
 114 31.8 22.2 41.2
 77 61.9 49.1 73.7



Abundance Ion 112.00 (111.70 to 112.70): V
 Ion 114.00 (113.70 to 114.70): V
 Ion 77.00 (76.70 to 77.70): V





#52

Ethylbenzene

Concen: 9.005 ug/L

RT: 9.04 min Scan# 2471

Delta R.T. 0.00 min

Lab File: VV019065.D

Acq: 22 Oct 2020 12:21

Instrument :

MSVOA_V

ClientSampleId :

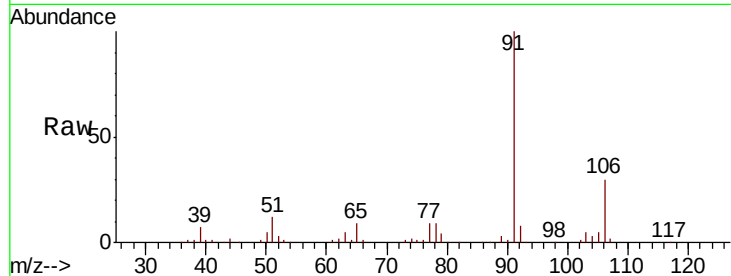
VSTD01062

Tot Ion: 91 Resp: 92696

Ion Ratio Lower Upper

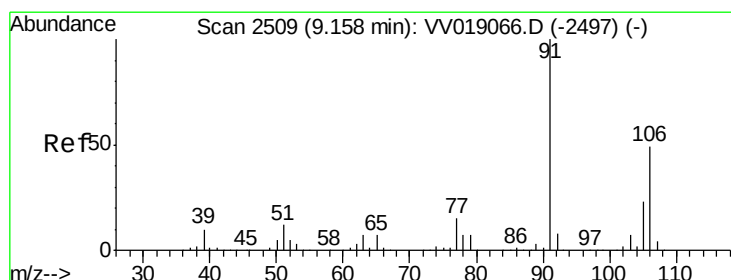
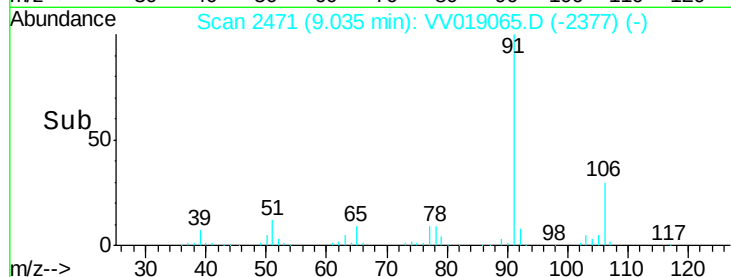
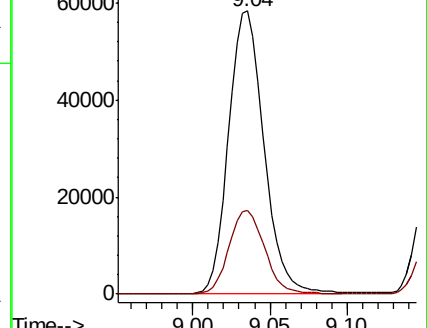
91 100

106 29.8 20.9 38.7



Abundance Ion 91.00 (90.70 to 91.70): VV019065.D (-2377) (-)

Ion 106.00 (105.70 to 106.70): VV019065.D (-2377) (-)



#53

m,p-Xylene

Concen: 8.905 ug/L

RT: 9.16 min Scan# 2510

Delta R.T. 0.00 min

Lab File: VV019065.D

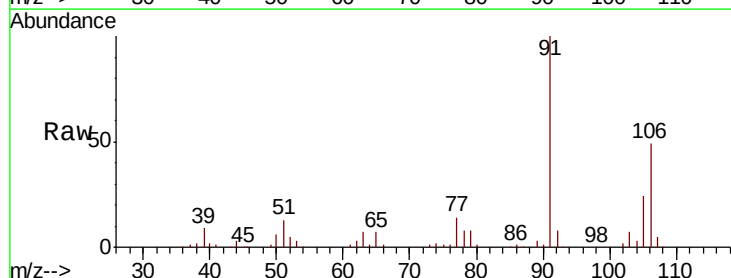
Acq: 22 Oct 2020 12:21

Tgt Ion: 106 Resp: 34192

Ion Ratio Lower Upper

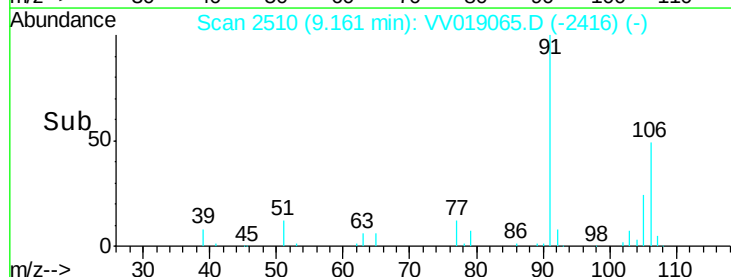
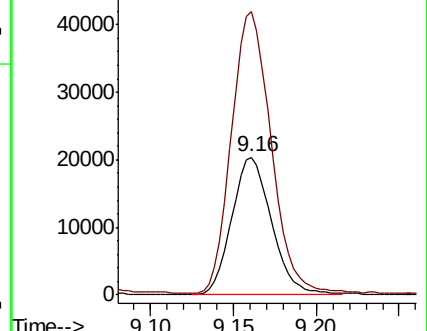
106 100

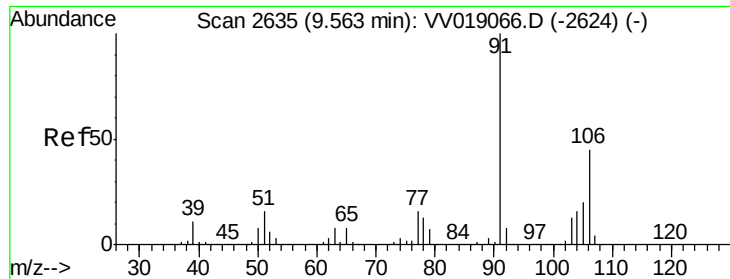
91 205.7 143.4 266.2



Abundance Ion 106.00 (105.70 to 106.70): VV019065.D (-2416) (-)

Ion 91.00 (90.70 to 91.70): VV019065.D (-2416) (-)





#54

o-xylene

Concen: 8.973 ug/L

RT: 9.57 min Scan# 2636

Delta R.T. 0.00 min

Lab File: VV019065.D

Acq: 22 Oct 2020 12:21

Instrument :

MSVOA_V

ClientSampleId :

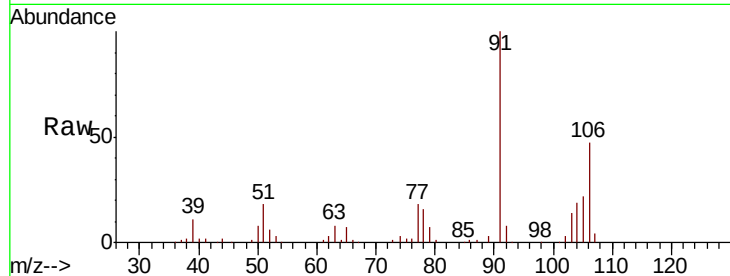
VSTD01062

Tot Ion:106 Resp: 32913

Ion Ratio Lower Upper

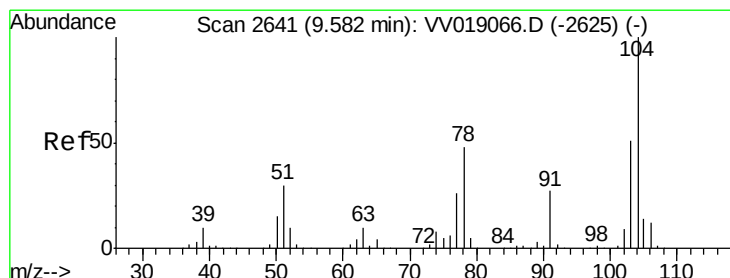
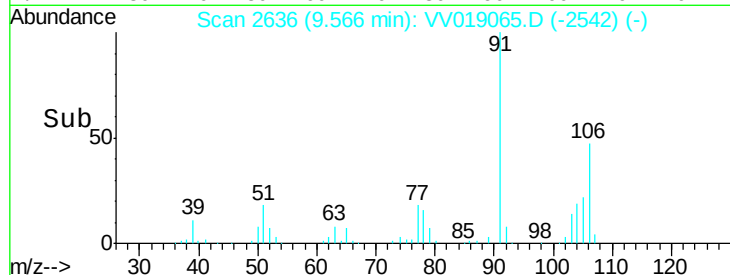
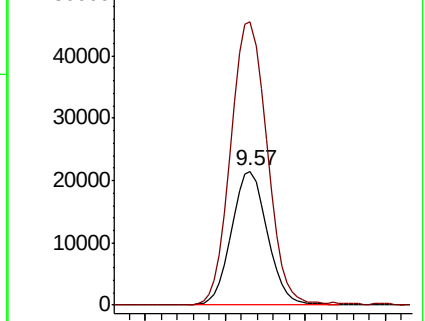
106 100

91 211.2 154.3 286.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 8.806 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. -0.00 min

Lab File: VV019065.D

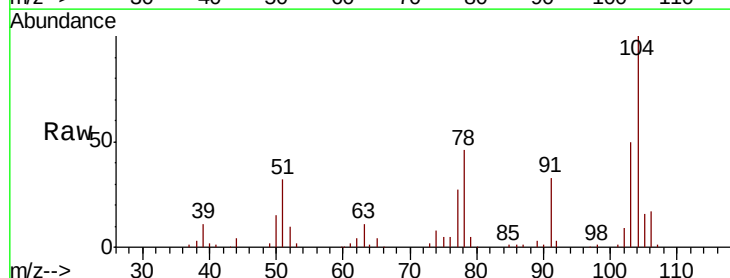
Acq: 22 Oct 2020 12:21

Tgt Ion:104 Resp: 56910

Ion Ratio Lower Upper

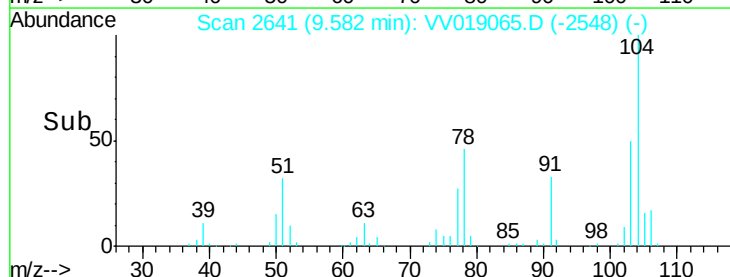
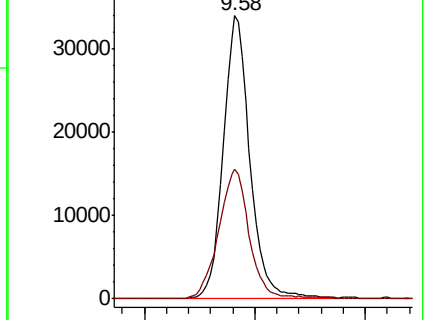
104 100

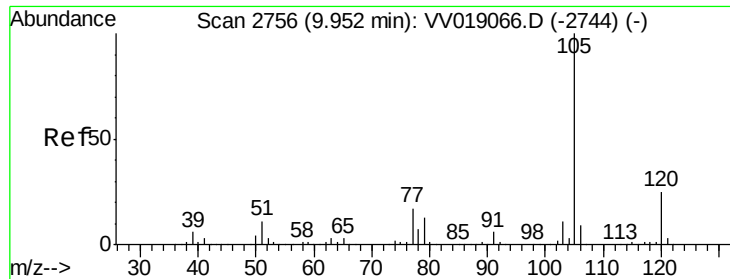
78 45.7 33.2 61.7



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 8.655 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VV019065.D

Acq: 22 Oct 2020 12:21

Instrument :

MSVOA_V

ClientSampleId :

VSTD01062

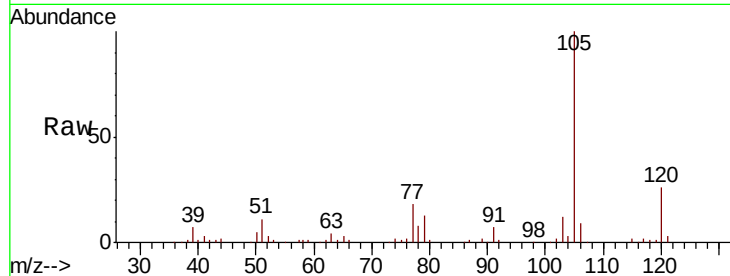
Tot Ion:105 Resp: 83451

Ion Ratio Lower Upper

105 100

120 25.3 20.6 31.0

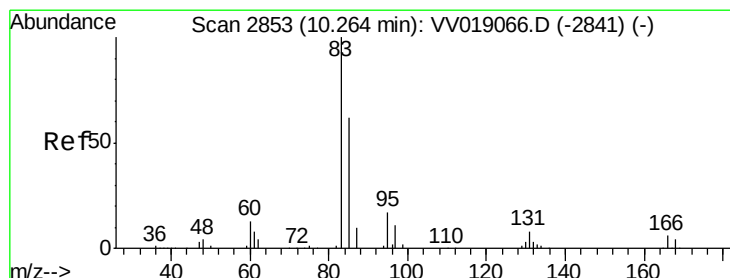
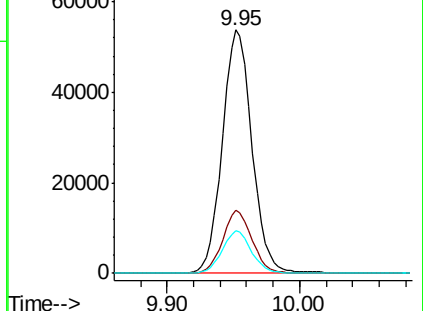
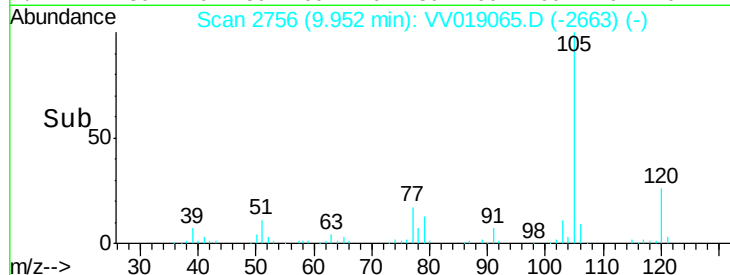
77 17.3 13.4 20.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 11.192 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. -0.00 min

Lab File: VV019065.D

Acq: 22 Oct 2020 12:21

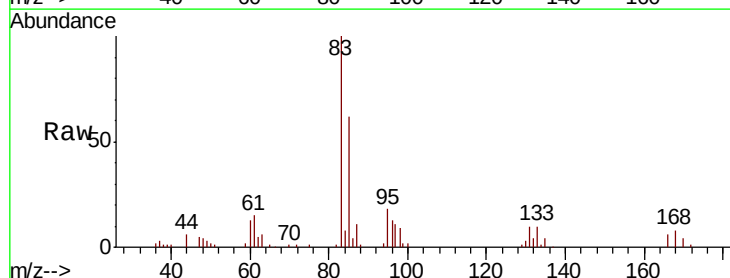
Tgt Ion: 83 Resp: 36015

Ion Ratio Lower Upper

83 100

85 62.1 44.2 82.2

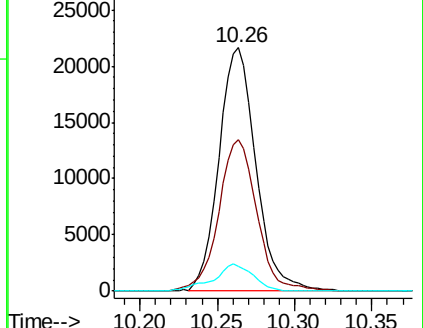
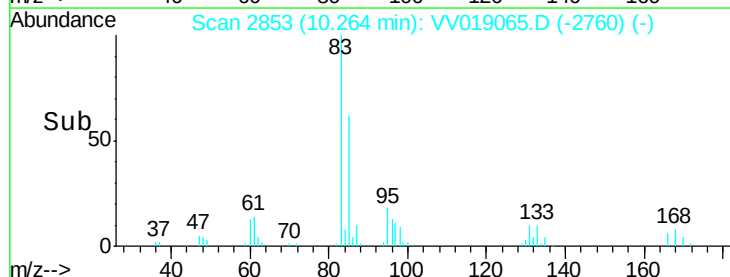
131 10.4 7.4 11.2

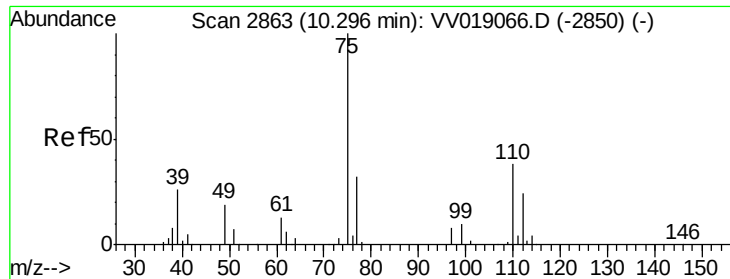


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 9.611 ug/L

RT: 10.30 min Scan# 2863

Delta R.T. -0.00 min

Lab File: VV019065.D

Acq: 22 Oct 2020 12:21

Instrument :

MSVOA_V

ClientSampleId :

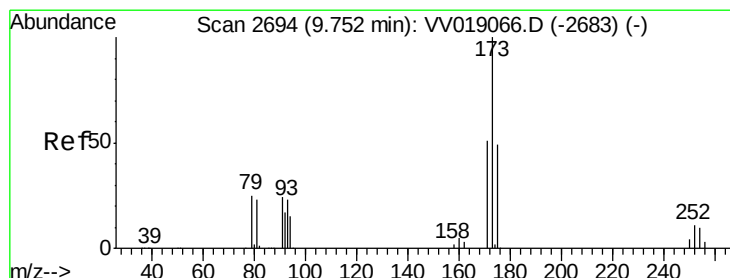
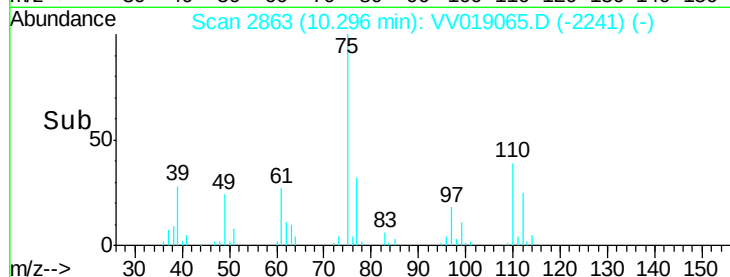
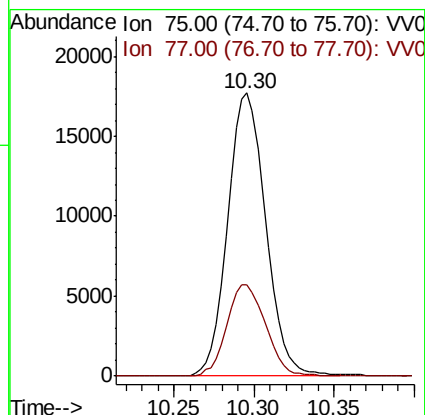
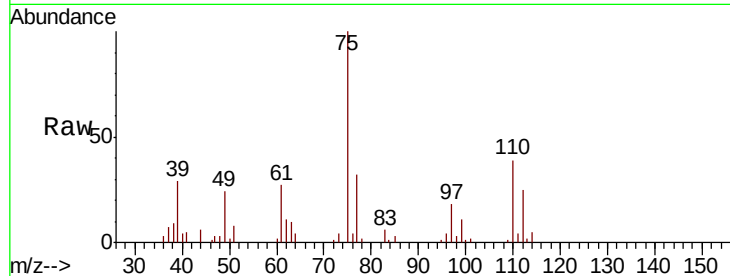
VSTD01062

Tot Ion: 75 Resp: 28700

Ion Ratio Lower Upper

75 100

77 32.9 25.9 38.9



#61

Bromoform

Concen: 9.274 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. -0.00 min

Lab File: VV019065.D

Acq: 22 Oct 2020 12:21

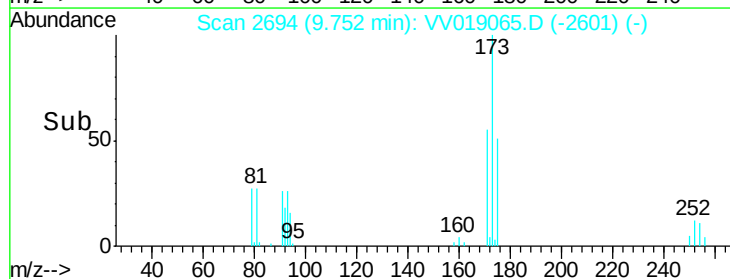
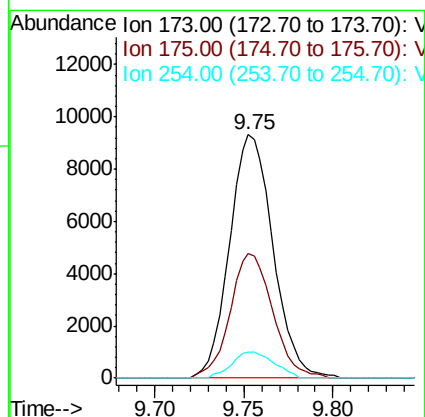
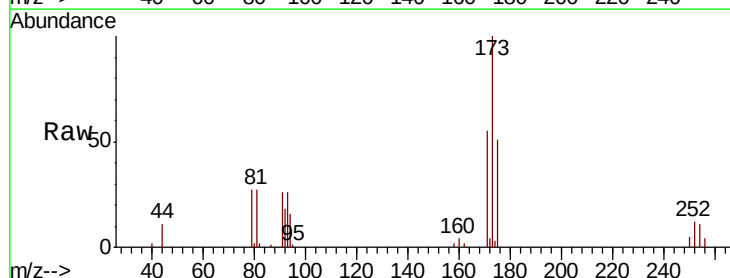
Tgt Ion: 173 Resp: 15823

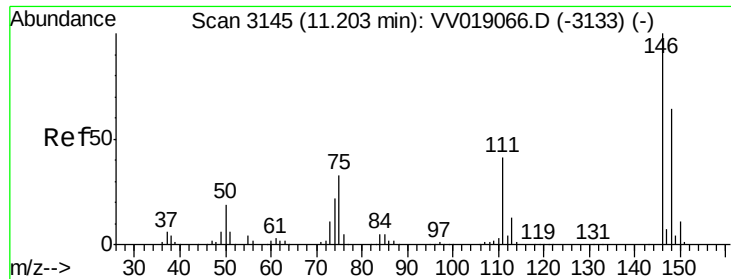
Ion Ratio Lower Upper

173 100

175 50.0 38.3 57.5

254 10.5 8.3 12.5





#62

1,3-Dichlorobenzene

Concen: 9.330 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. -0.00 min

Lab File: VV019065.D

Acq: 22 Oct 2020 12:21

Instrument :

MSVOA_V

ClientSampleId :

VSTD01062

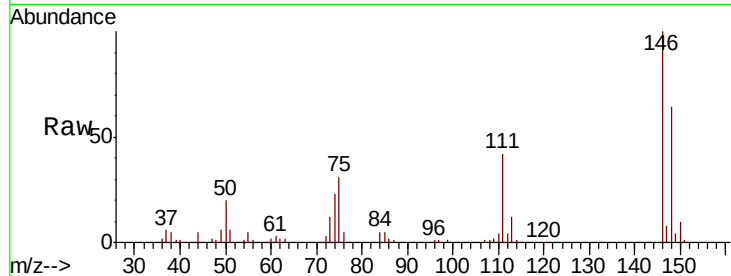
Tot Ion:146 Resp: 44854

Ion Ratio Lower Upper

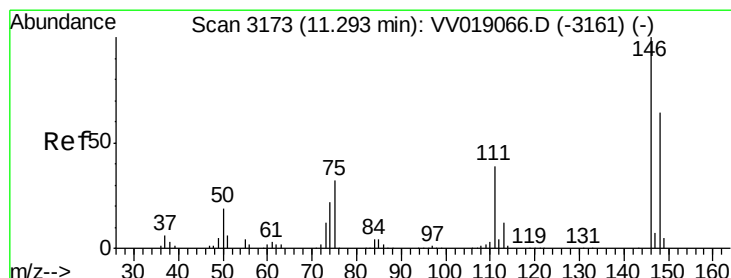
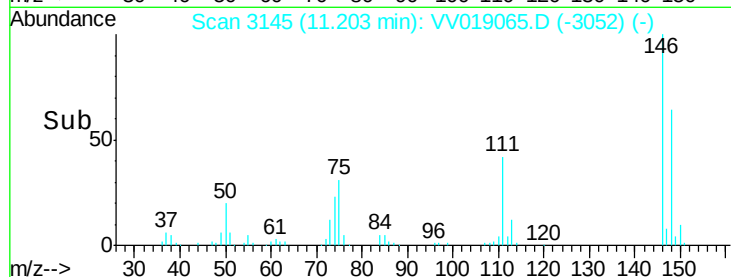
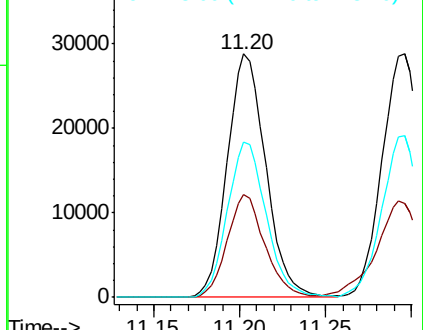
146 100

111 42.1 28.8 53.4

148 63.7 44.5 82.7



Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 9.413 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. 0.00 min

Lab File: VV019065.D

Acq: 22 Oct 2020 12:21

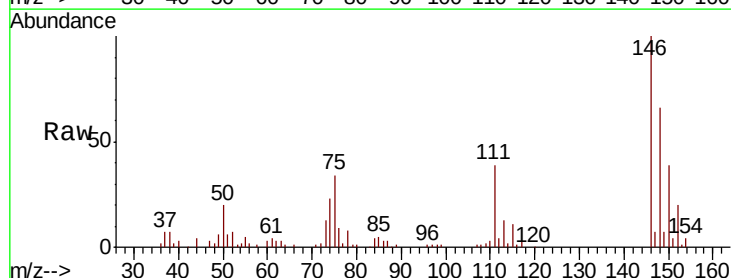
Tgt Ion:146 Resp: 47459

Ion Ratio Lower Upper

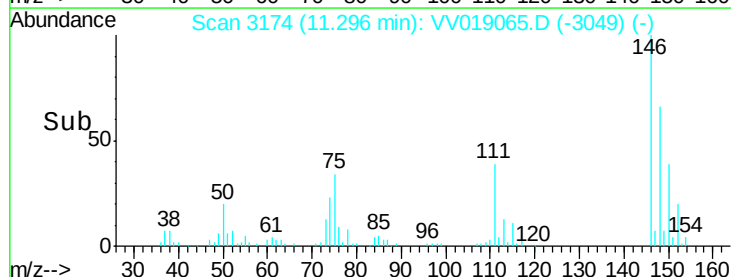
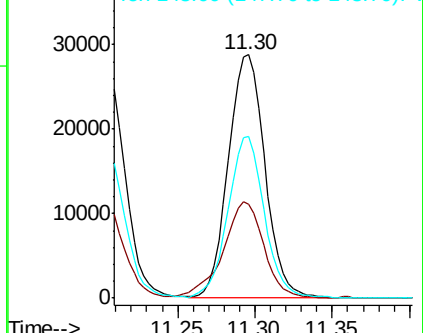
146 100

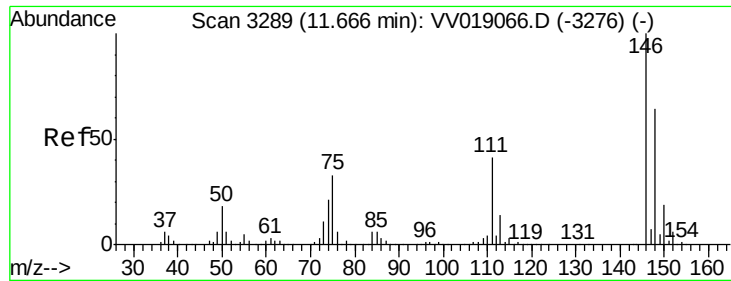
111 38.7 27.8 51.6

148 66.4 45.1 83.9



Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V

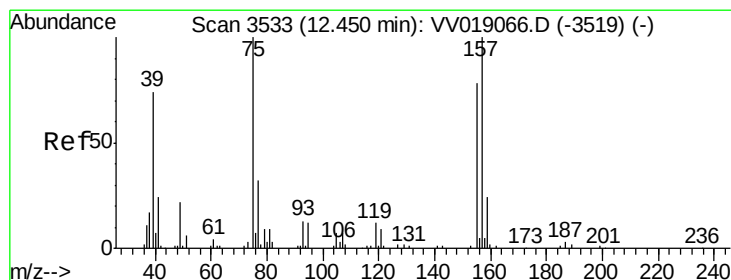
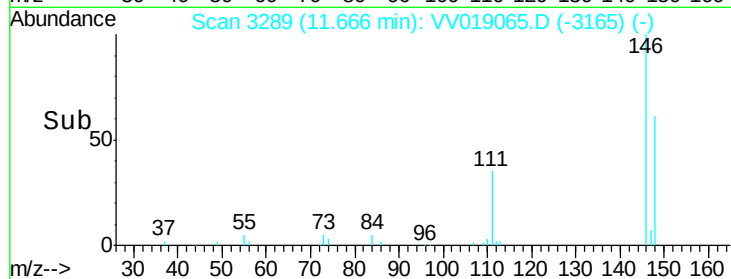
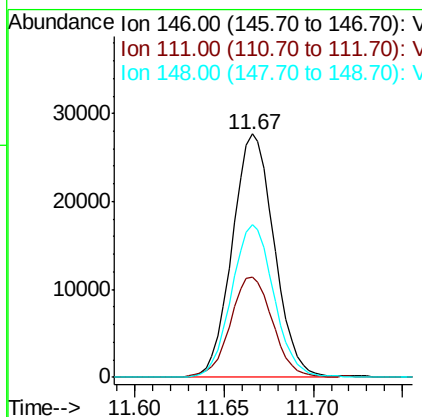
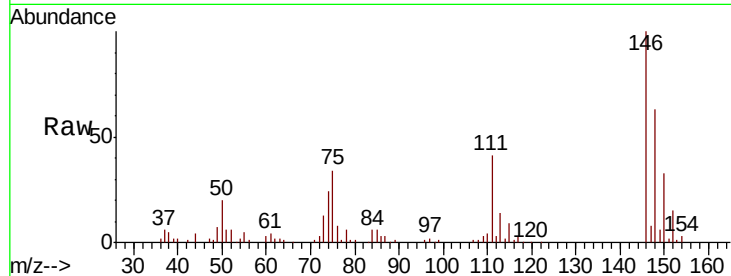




#65
 1,2-Dichlorobenzene
 Concen: 9.357 ug/L
 RT: 11.67 min Scan# 3289
 Delta R.T. -0.00 min
 Lab File: VV019065.D
 Acq: 22 Oct 2020 12:21

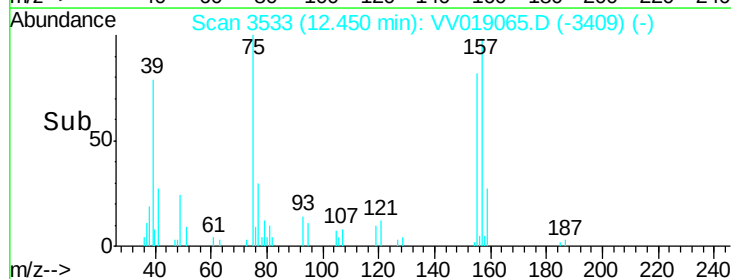
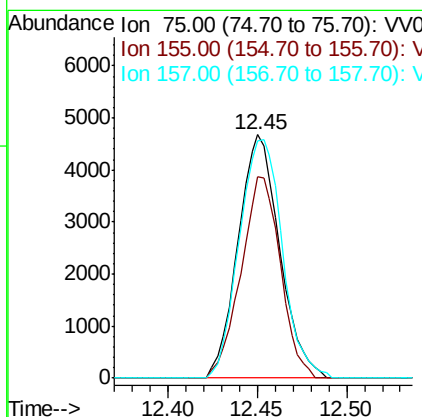
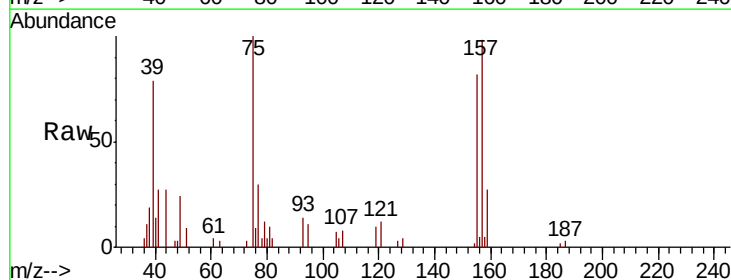
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01062

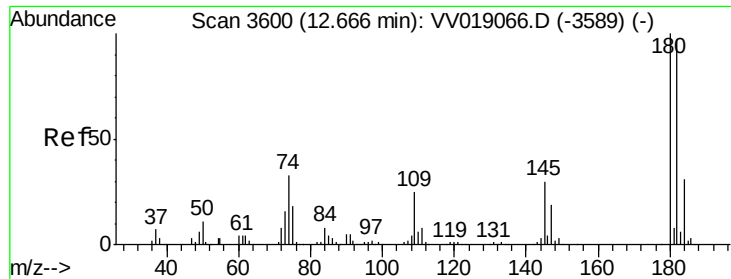
Tot Ion:146 Resp: 45215
 Ion Ratio Lower Upper
 146 100
 111 41.3 33.3 49.9
 148 62.6 51.1 76.7



#66
 1,2-Dibromo-3-chloropropane
 Concen: 10.149 ug/L
 RT: 12.45 min Scan# 3533
 Delta R.T. -0.00 min
 Lab File: VV019065.D
 Acq: 22 Oct 2020 12:21

Tgt Ion: 75 Resp: 7577
 Ion Ratio Lower Upper
 75 100
 155 82.5 62.2 93.4
 157 97.5 79.9 119.9

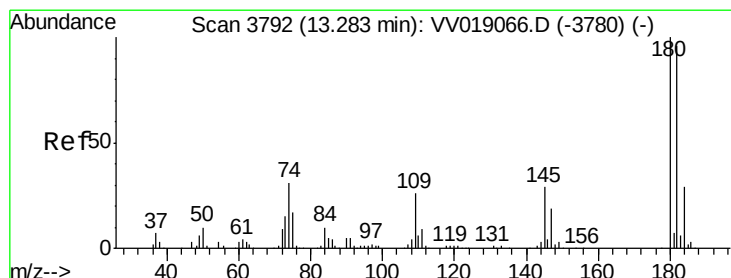
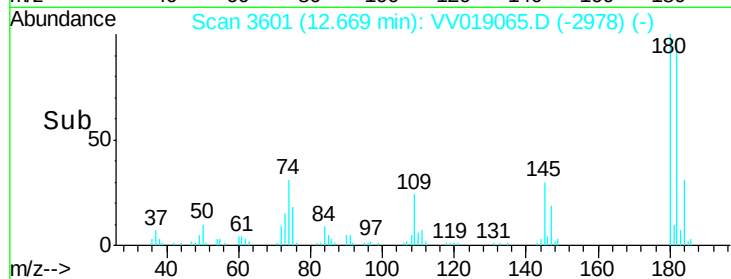
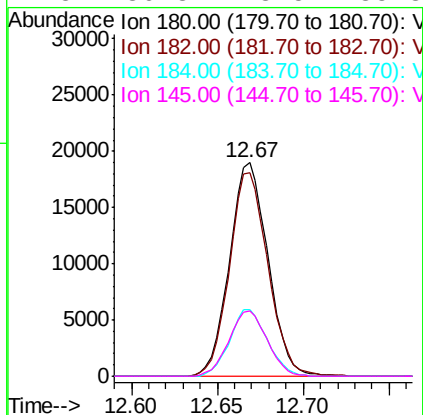
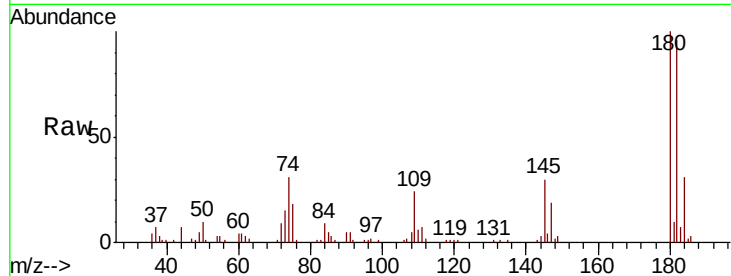




#67
 1,3,5-Trichlorobenzene
 Concen: 9.222 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. 0.00 min
 Lab File: VV019065.D
 Acq: 22 Oct 2020 12:21

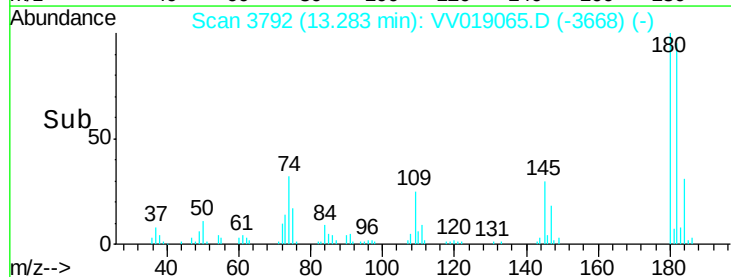
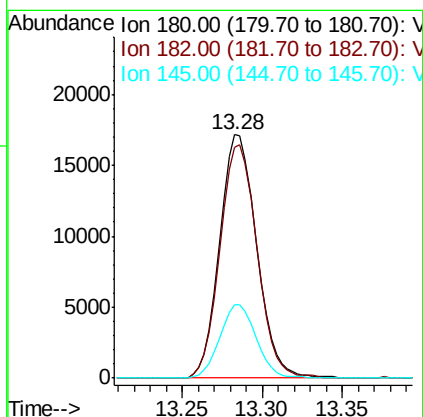
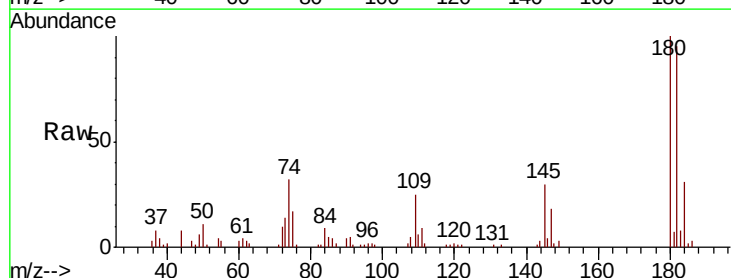
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01062

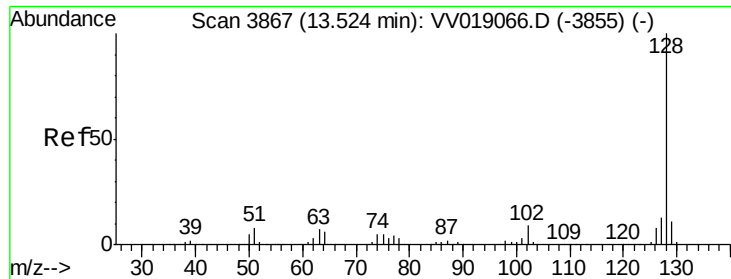
Tot Ion:180 Resp: 29706
 Ion Ratio Lower Upper
 180 100
 182 95.4 77.4 116.0
 184 30.4 24.7 37.1
 145 30.3 23.5 35.3



#68
 1,2,4-trichlorobenzene
 Concen: 9.127 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. -0.00 min
 Lab File: VV019065.D
 Acq: 22 Oct 2020 12:21

Tgt Ion:180 Resp: 27183
 Ion Ratio Lower Upper
 180 100
 182 95.7 77.4 116.2
 145 29.4 23.7 35.5





#69

Naphthalene

Concen: 8.553 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. -0.00 min

Lab File: VV019065.D

Acq: 22 Oct 2020 12:21

Instrument :

MSVOA_V

ClientSampleId :

VSTD01062

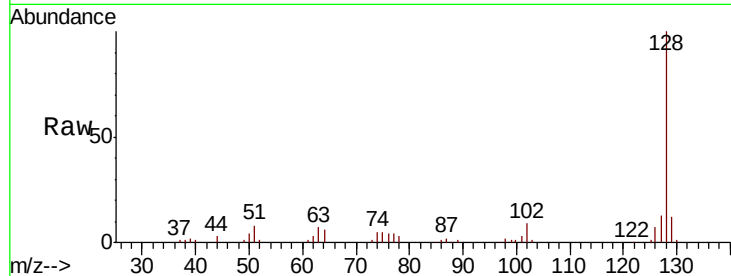
Tot Ion:128 Resp: 73749

Ion Ratio Lower Upper

128 100

127 13.7 10.6 15.8

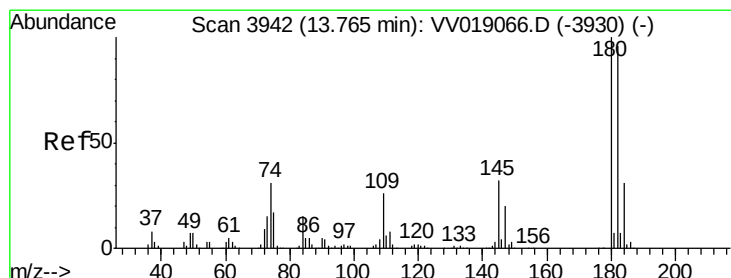
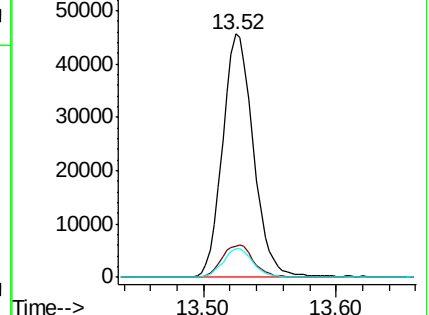
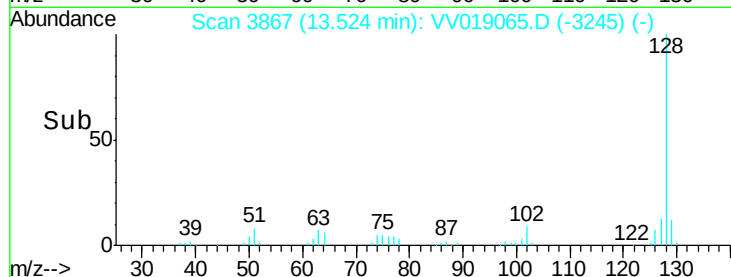
129 11.5 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 9.512 ug/L

RT: 13.77 min Scan# 3942

Delta R.T. -0.00 min

Lab File: VV019065.D

Acq: 22 Oct 2020 12:21

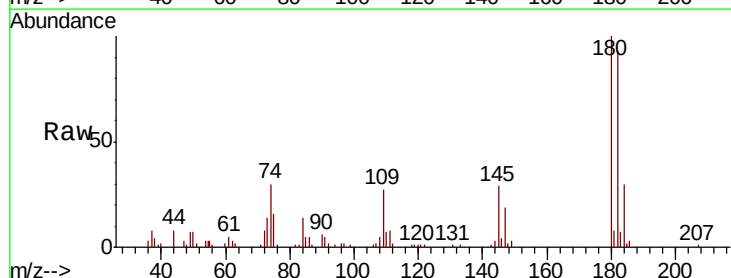
Tgt Ion:180 Resp: 28318

Ion Ratio Lower Upper

180 100

182 92.7 76.9 115.3

145 32.1 25.6 38.4



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

