

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV082120\
 Data File : VV018072.D
 Acq On : 21 Aug 2020 10:02
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05079

Quant Time: Aug 22 00:01:23 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM081120WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Aug 21 14:14:51 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	296151	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	292508	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	160401	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	106373	47.08	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	94.16%
7) Chloroethane-d5	1.58	69	89552	48.44	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	96.88%
11) 1,1-Dichloroethene-d2	2.12	63	204256	47.26	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.52%
21) 2-Butanone-d5	3.90	46	125369	84.71	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	84.71%
24) Chloroform-d	4.37	84	193077	46.94	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.88%
26) 1,2-Dichloroethane-d4	5.05	65	124961	46.77	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.54%
32) Benzene-d6	5.07	84	382759	47.48	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.96%
36) 1,2-Dichloropropane-d6	6.09	67	121489	46.10	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	92.20%
41) Toluene-d8	7.33	98	353941	48.82	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.64%
43) trans-1,3-Dichloropropene-	7.64	79	59791	50.02	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	100.04%
47) 2-Hexanone-d5	8.10	63	72489	85.71	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	85.71%
57) 1,1,2,2-Tetrachloroethane-	10.23	84	150349	43.81	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	87.62%
64) 1,2-Dichlorobenzene-d4	11.65	152	145488	46.09	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.18%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	97983	42.855	ug/L 100
3) Chloromethane	1.25	50	111433	41.956	ug/L 99
5) Vinyl chloride	1.32	62	116079	44.112	ug/L 98
6) Bromomethane	1.53	94	67825	43.125	ug/L 99
8) Chloroethane	1.60	64	75022	44.667	ug/L 100
9) Trichlorofluoromethane	1.77	101	167443	44.545	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	98949	47.145	ug/L 99
12) 1,1-Dichloroethene	2.13	96	91076	45.846	ug/L 98
13) Acetone	2.19	43	159416	104.288	ug/L 99
14) Carbon disulfide	2.31	76	242979	44.439	ug/L 99
15) Methyl Acetate	2.44	43	104662	42.427	ug/L 99
16) Methylene chloride	2.52	84	107815	42.600	ug/L 98
17) trans-1,2-Dichloroethene	2.78	96	93894	45.980	ug/L 99
18) Methyl tert-butyl Ether	2.78	73	316629	46.884	ug/L 100
19) 1,1-Dichloroethane	3.21	63	188522	45.913	ug/L 100
20) cis-1,2-Dichloroethene	3.94	96	105735	47.118	ug/L 97
22) 2-Butanone	3.99	43	170344	99.334	ug/L 98

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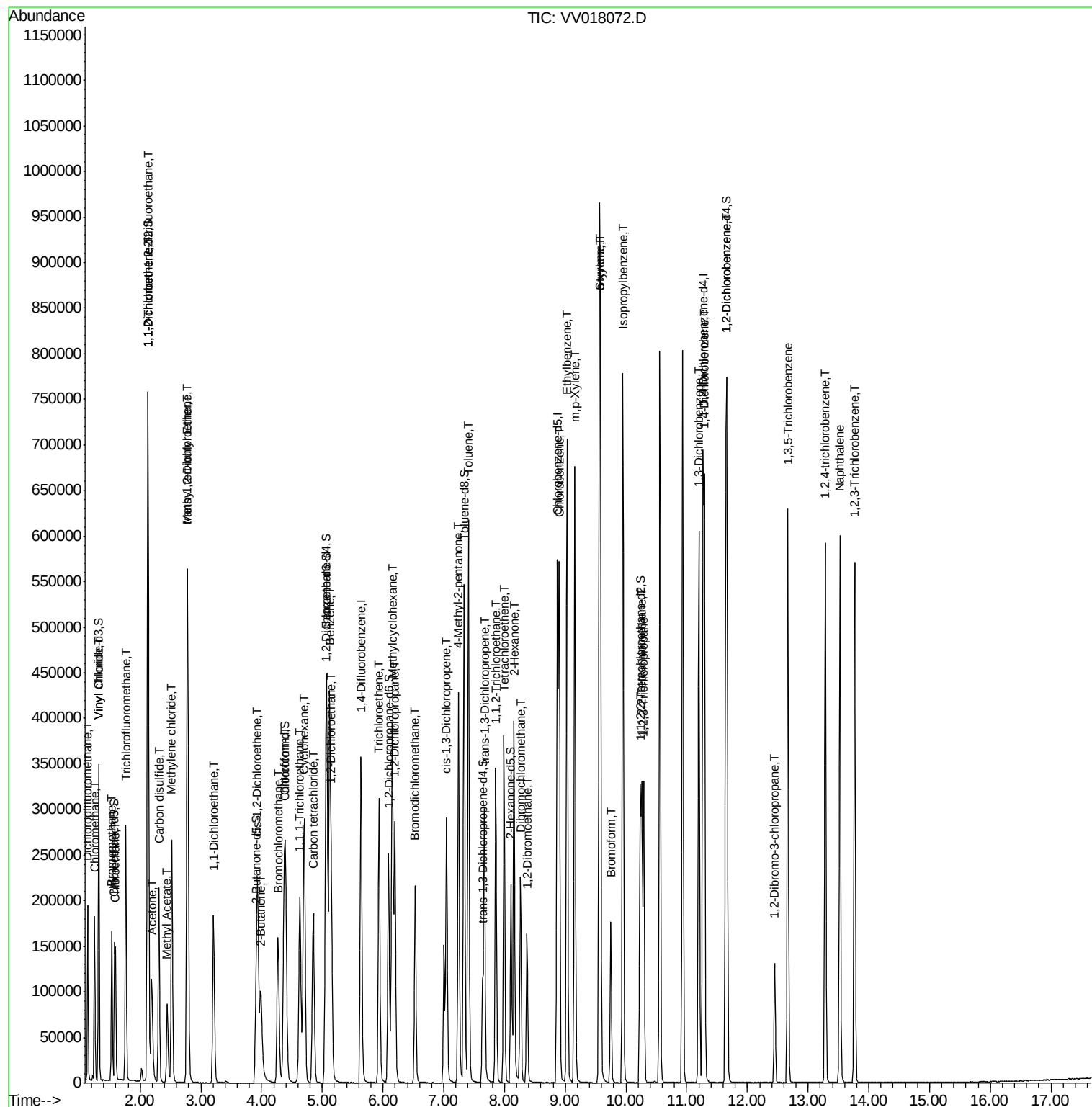
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.27	128	54888	46.821	ug/L	98
25) Chloroform	4.40	83	196330	46.878	ug/L	100
27) 1,2-Dichloroethane	5.15	62	153156	45.944	ug/L	100
29) Cyclohexane	4.70	56	161343	45.702	ug/L	100
30) 1,1,1-Trichloroethane	4.63	97	166190	46.363	ug/L	98
31) Carbon tetrachloride	4.85	117	142107	47.622	ug/L	99
33) Benzene	5.12	78	411583	45.480	ug/L	100
34) Trichloroethene	5.94	95	109857	45.925	ug/L	97
35) Methylcyclohexane	6.15	83	161915	45.520	ug/L	99
37) 1,2-Dichloropropane	6.19	63	111576	45.210	ug/L	100
38) Bromodichloromethane	6.53	83	144436	47.117	ug/L	98
39) cis-1,3-Dichloropropene	7.05	75	172947	49.432	ug/L	100
40) 4-Methyl-2-pentanone	7.24	43	280508	86.945	ug/L	100
42) Toluene	7.41	91	436724	46.247	ug/L	100
44) trans-1,3-Dichloropropene	7.67	75	167914	50.583	ug/L	99
45) 1,1,2-Trichloroethane	7.86	97	104011	45.508	ug/L	99
46) Tetrachloroethene	7.99	164	83777	47.754	ug/L	98
48) 2-Hexanone	8.15	43	244167	93.852	ug/L	99
49) Dibromochloromethane	8.26	129	112174	50.283	ug/L	99
50) 1,2-Dibromoethane	8.37	107	107245	45.353	ug/L	98
51) Chlorobenzene	8.90	112	283734	46.718	ug/L	98
52) Ethylbenzene	9.03	91	485356	47.138	ug/L	100
53) m,p-Xylene	9.16	106	182069	48.077	ug/L	98
54) o-xylene	9.56	106	177026	47.303	ug/L	98
55) Styrene	9.58	104	316366	49.363	ug/L	99
56) Isopropylbenzene	9.95	105	481447	48.765	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	154744	43.479	ug/L	100
59) 1,2,3-Trichloropropane	10.29	75	132005	43.309	ug/L	100
61) Bromoform	9.75	173	77779	51.247	ug/L	98
62) 1,3-Dichlorobenzene	11.20	146	236109	46.290	ug/L	99
63) 1,4-Dichlorobenzene	11.29	146	244147	46.595	ug/L	98
65) 1,2-Dichlorobenzene	11.67	146	238675	45.462	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.45	75	32183	41.606	ug/L	93
67) 1,3,5-Trichlorobenzene	12.67	180	191333	49.380	ug/L	99
68) 1,2,4-trichlorobenzene	13.28	180	174560	51.241	ug/L	99
69) Naphthalene	13.52	128	442004	47.074	ug/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	173293	50.022	ug/L	99

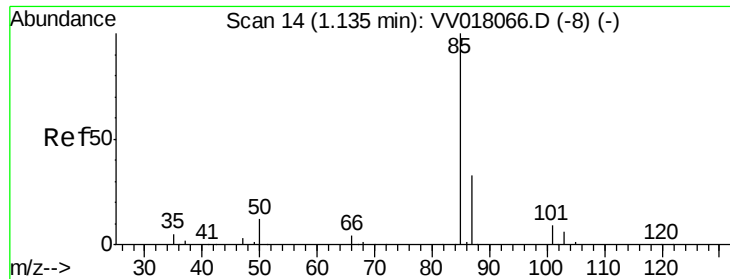
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 42.855 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV018072.D

Acq: 21 Aug 2020 10:02

Instrument :

MSVOA_V

ClientSampleId :

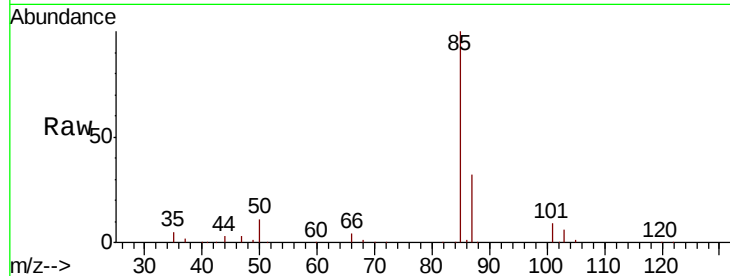
VSTD05079

Tot Ion: 85 Resp: 97983

Ion Ratio Lower Upper

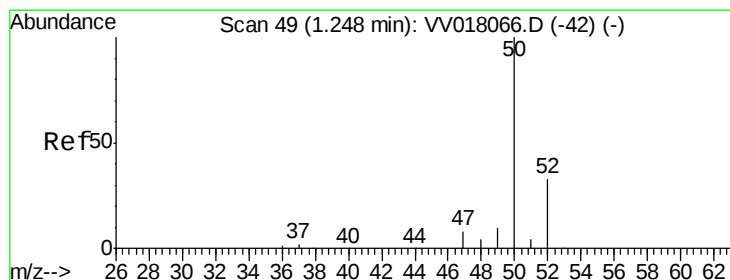
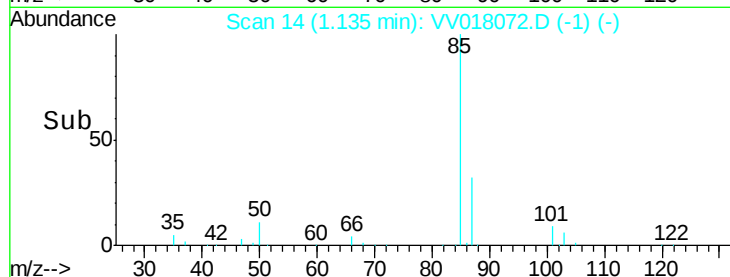
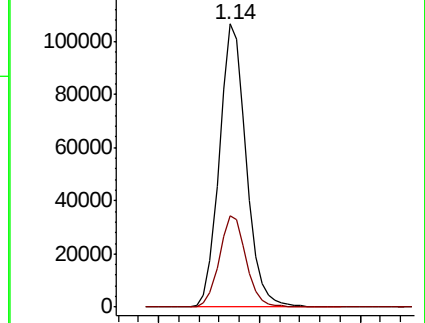
85 100

87 32.4 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 41.956 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV018072.D

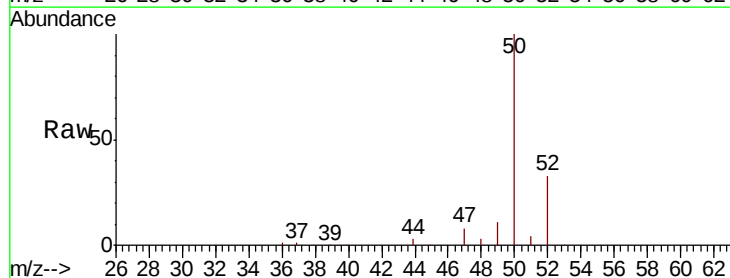
Acq: 21 Aug 2020 10:02

Tgt Ion: 50 Resp: 111433

Ion Ratio Lower Upper

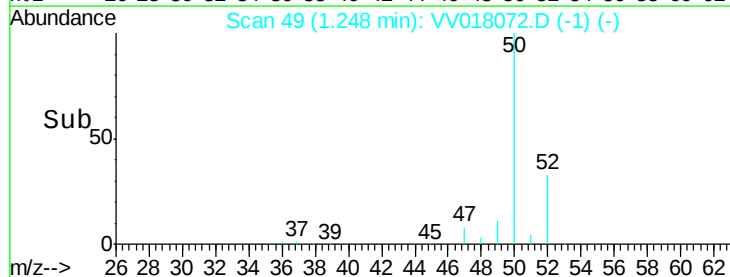
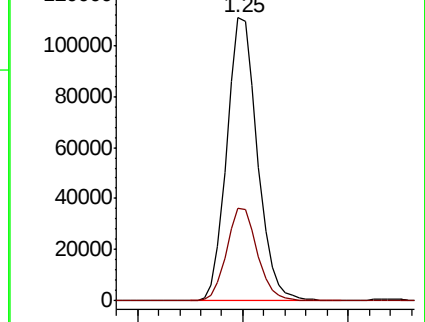
50 100

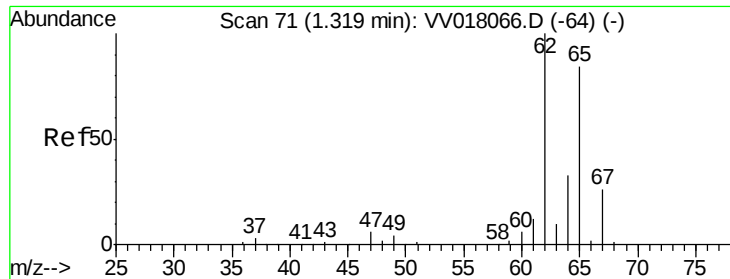
52 32.7 23.2 43.2



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0





#5

Vinyl chloride

Concen: 44.112 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV018072.D

Acq: 21 Aug 2020 10:02

Instrument :

MSVOA_V

ClientSampleId :

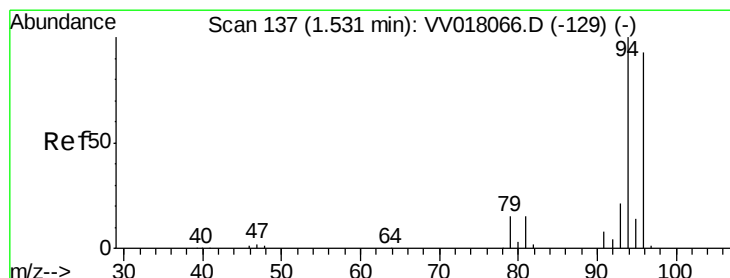
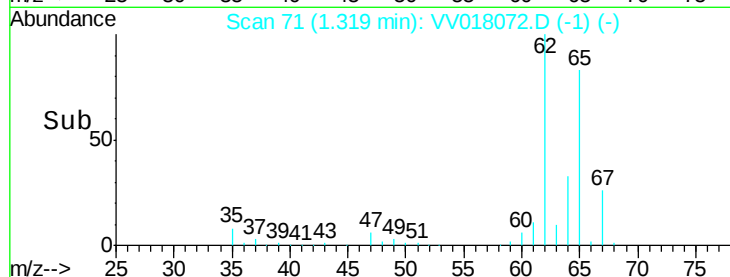
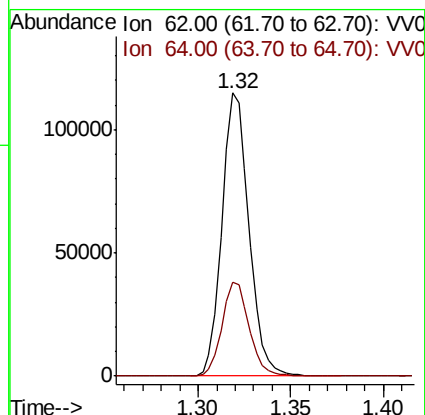
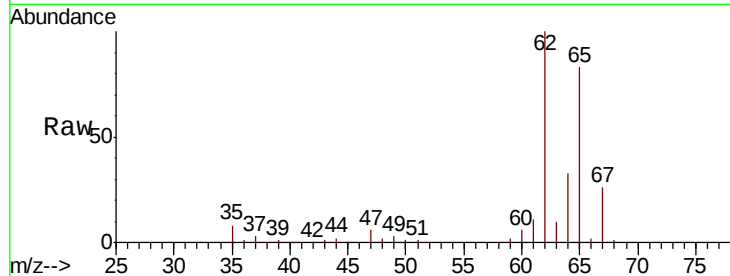
VSTD05079

Tot Ion: 62 Resp: 116079

Ion Ratio Lower Upper

62 100

64 33.0 22.4 41.6



#6

Bromomethane

Concen: 43.125 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV018072.D

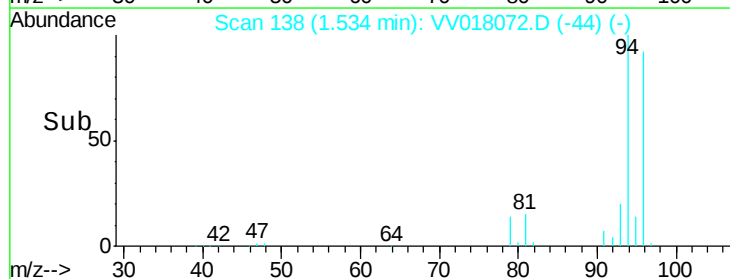
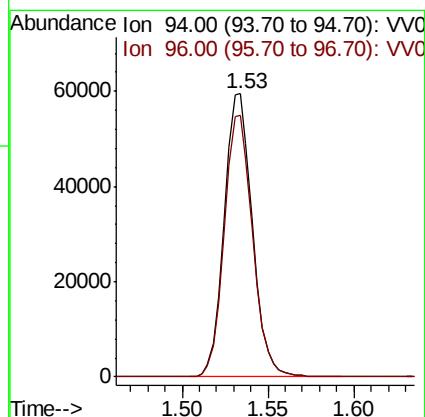
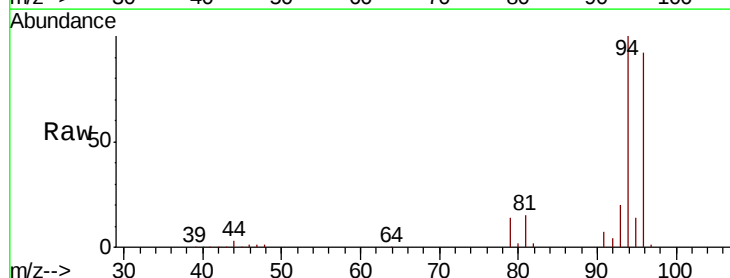
Acq: 21 Aug 2020 10:02

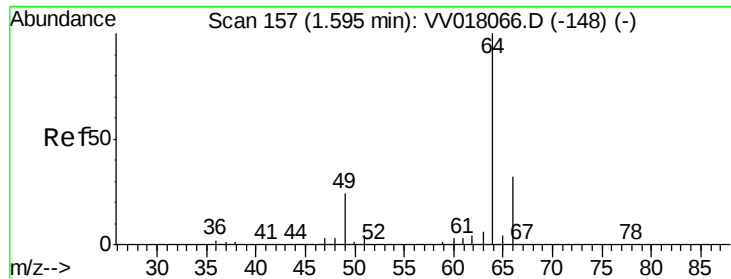
Tgt Ion: 94 Resp: 67825

Ion Ratio Lower Upper

94 100

96 92.3 65.5 121.7





#8

Chloroethane

Concen: 44.667 ug/L

RT: 1.60 min Scan# 157

Delta R.T. -0.00 min

Lab File: VV018072.D

Acq: 21 Aug 2020 10:02

Instrument :

MSVOA_V

ClientSampleId :

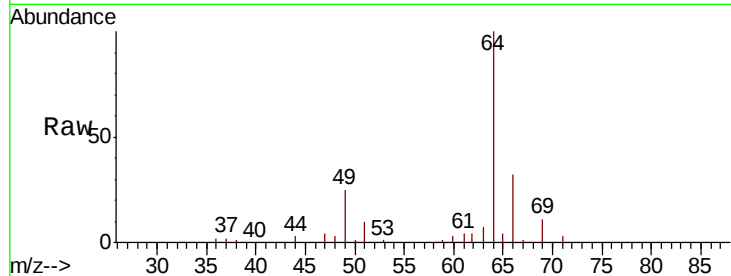
VSTD05079

Tot Ion: 64 Resp: 75022

Ion Ratio Lower Upper

64 100

66 31.8 22.3 41.3



Abundance Ion 64.00 (63.70 to 64.70): VV018066.D (-148) (-)

Ion 66.00 (65.70 to 66.70): VV018066.D (-148) (-)

1.60

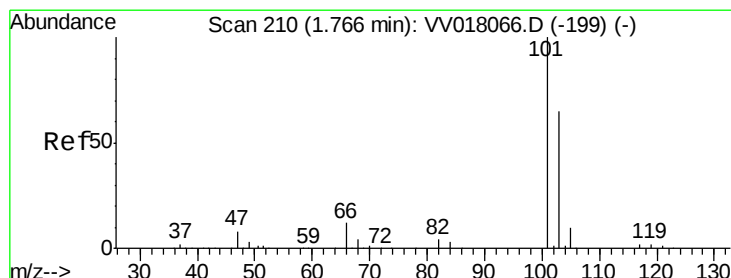
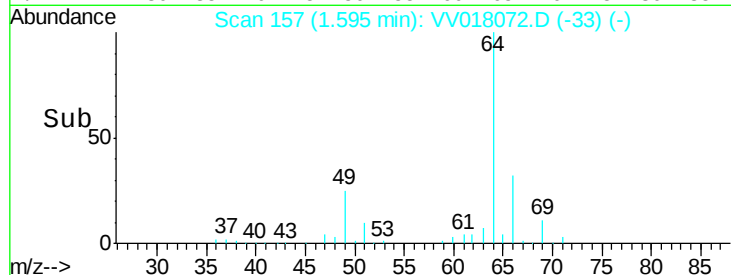
60000

40000

20000

0

Time-->



#9

Trichlorofluoromethane

Concen: 44.545 ug/L

RT: 1.77 min Scan# 210

Delta R.T. -0.00 min

Lab File: VV018072.D

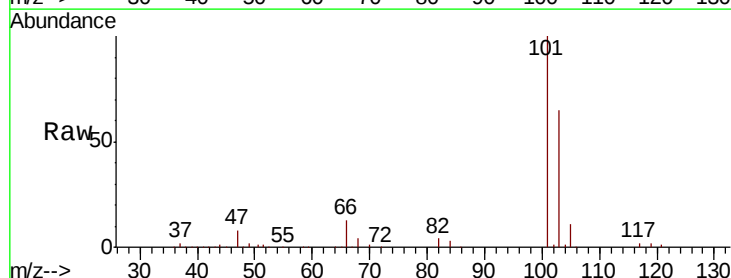
Acq: 21 Aug 2020 10:02

Tgt Ion: 101 Resp: 167443

Ion Ratio Lower Upper

101 100

103 64.7 51.5 77.3



Abundance Ion 101.00 (100.70 to 101.70): VV018066.D (-199) (-)

Ion 103.00 (102.70 to 103.70): VV018066.D (-199) (-)

1.77

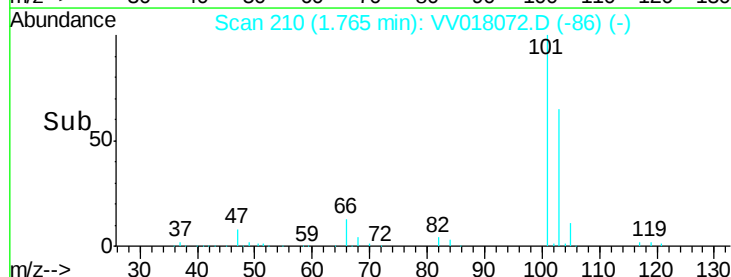
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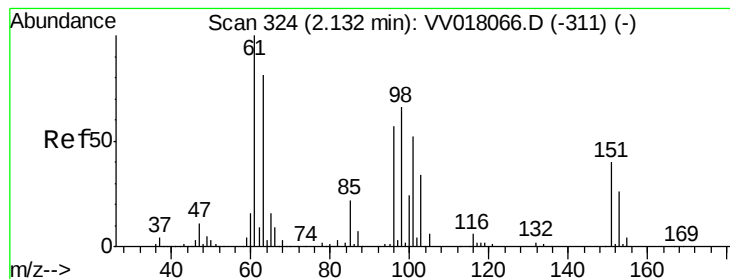
100000

50000

0

Time-->





#10

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

Concen: 47.145 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV018072.D

Acq: 21 Aug 2020 10:02

Instrument :

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ClientSampleId :

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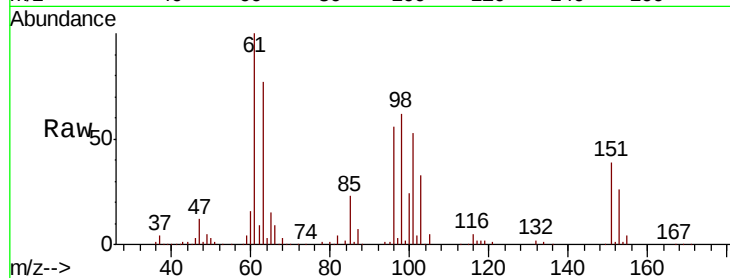
Tot Ion:101 Resp: 98949

Ion Ratio Lower Upper

101 100

85 43.4 34.9 52.3

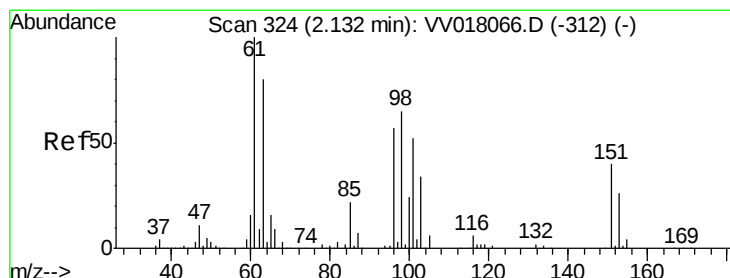
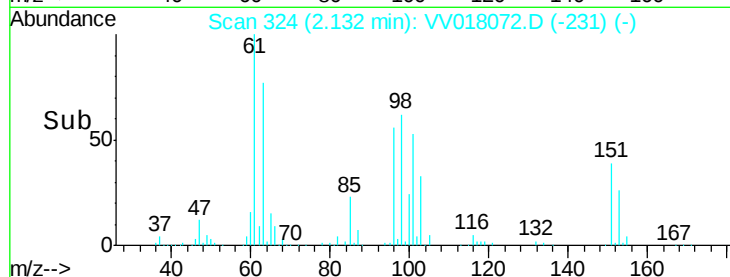
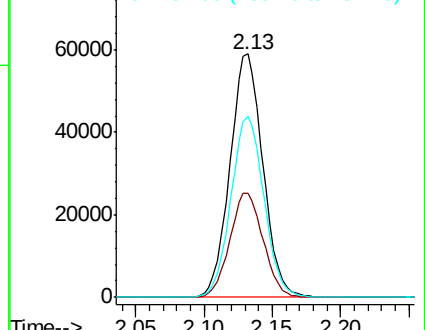
151 74.7 59.1 88.7



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 45.846 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV018072.D

Acq: 21 Aug 2020 10:02

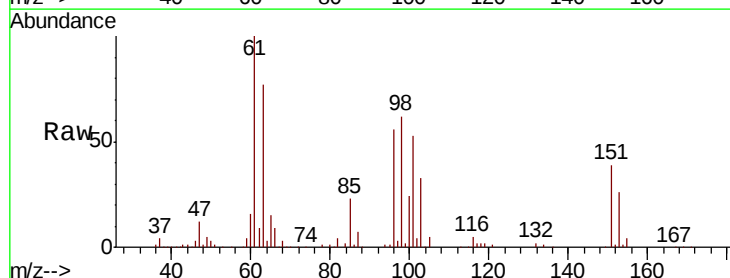
Tgt Ion: 96 Resp: 91076

Ion Ratio Lower Upper

96 100

61 179.8 127.1 236.0

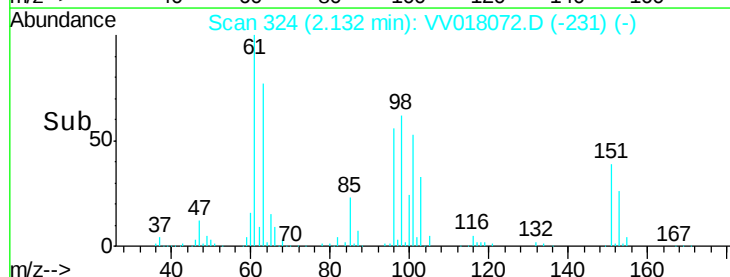
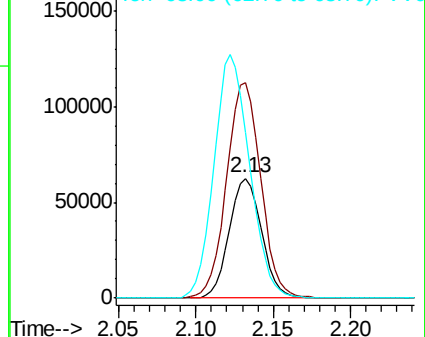
63 138.6 95.2 176.8

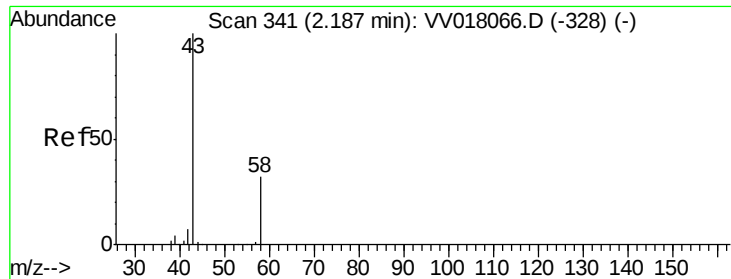


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 104.288 ug/L

RT: 2.19 min Scan# 342

Delta R.T. 0.00 min

Lab File: VV018072.D

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MSVOA_V

ClientSampleId :

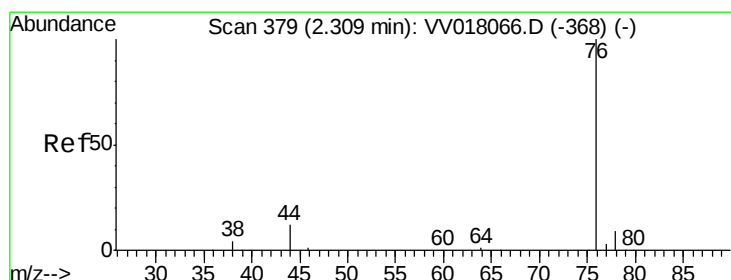
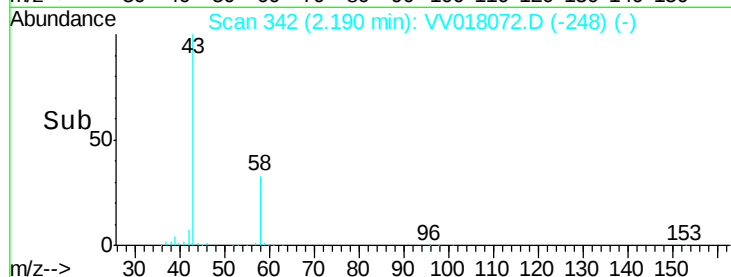
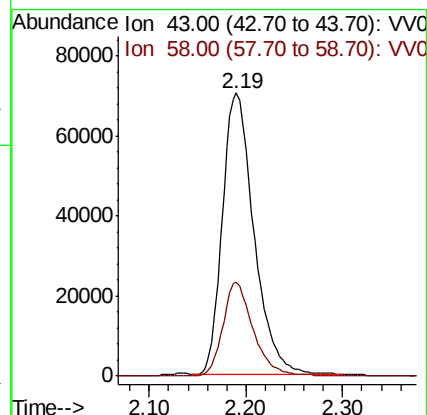
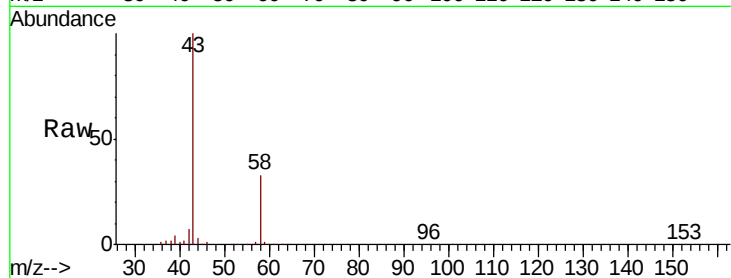
VSTD05079

Tot Ion: 43 Resp: 159416

Ion Ratio Lower Upper

43 100

58 32.2 0.0 63.6



#14

Carbon disulfide

Concen: 44.439 ug/L

RT: 2.31 min Scan# 379

Delta R.T. -0.00 min

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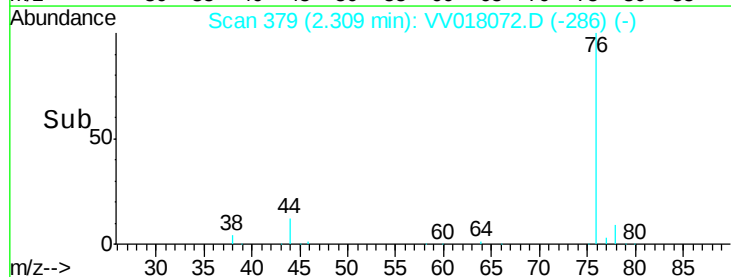
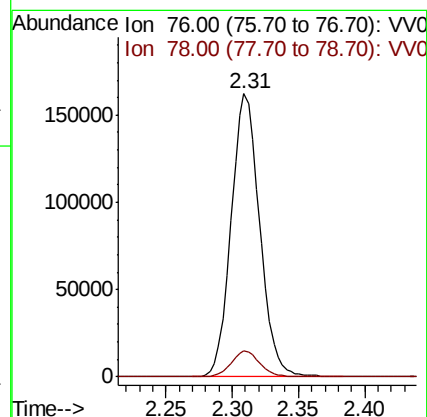
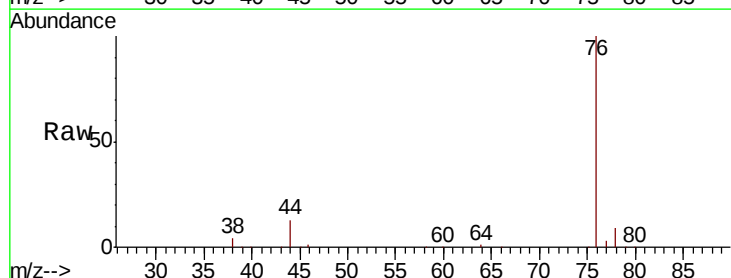
Acq: 21 Aug 2020 10:02

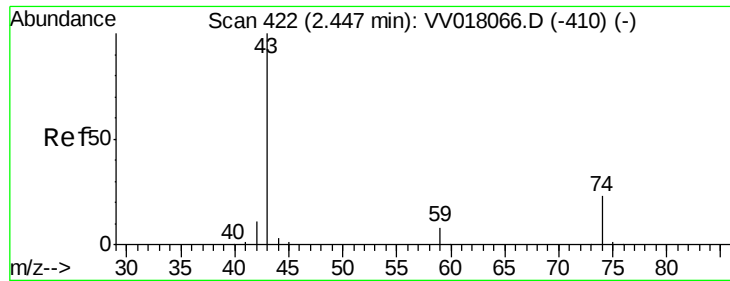
Tgt Ion: 76 Resp: 242979

Ion Ratio Lower Upper

76 100

78 9.1 7.4 11.2

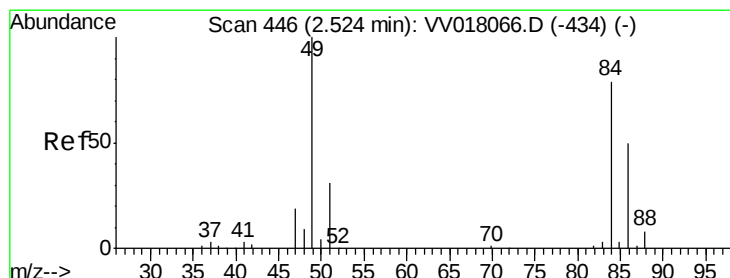
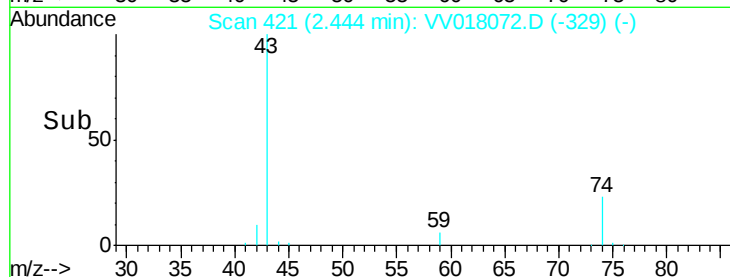
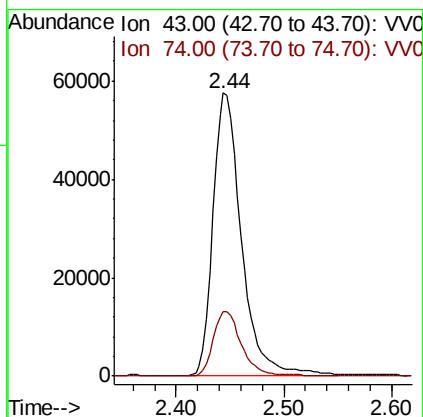
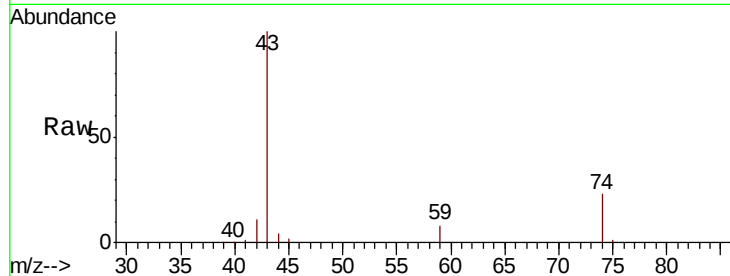




#15
Methvl Acetate
Concen: 42.427 ug/L
RT: 2.44 min Scan# 421
Delta R.T. -0.00 min
Lab File: VV018072.D
Acq: 21 Aug 2020 10:02

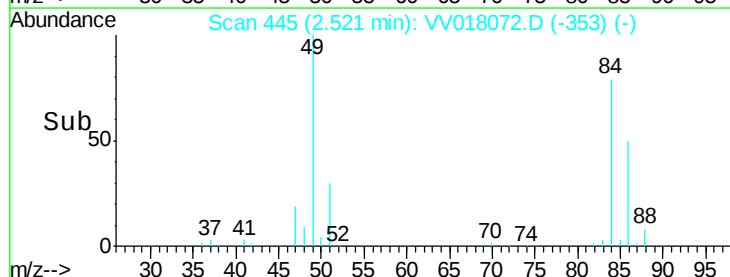
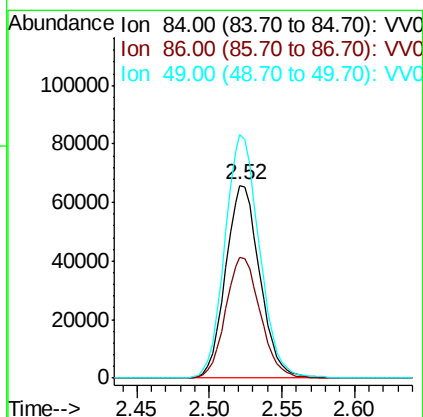
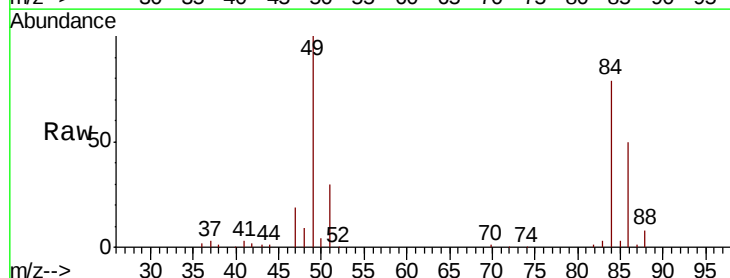
Instrument :
MSVOA_V
ClientSampleId :
VSTD05079

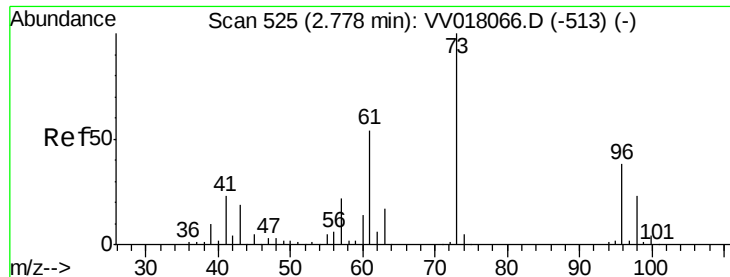
Tot Ion: 43 Resp: 104662
Ion Ratio Lower Upper
43 100
74 22.6 18.4 27.6



#16
Methylene chloride
Concen: 42.600 ug/L
RT: 2.52 min Scan# 445
Delta R.T. -0.00 min
Lab File: VV018072.D
Acq: 21 Aug 2020 10:02

Tgt Ion: 84 Resp: 107815
Ion Ratio Lower Upper
84 100
86 62.9 46.3 85.9
49 126.5 89.7 166.5

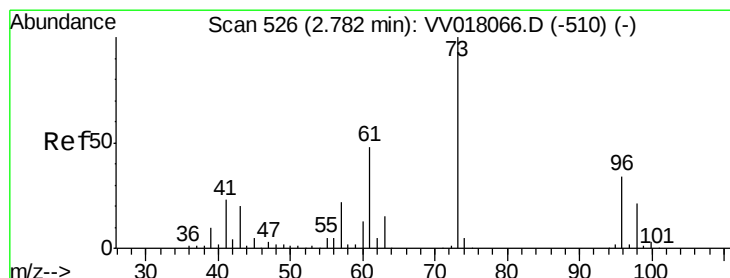
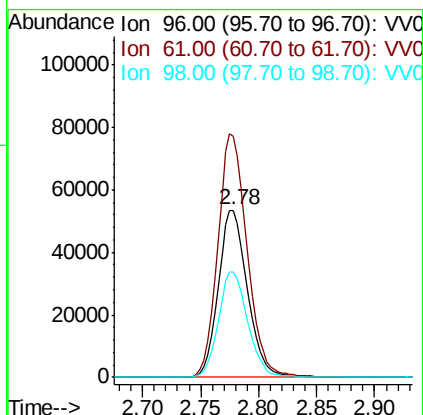
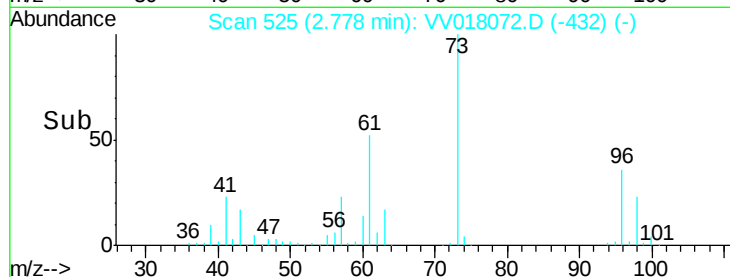
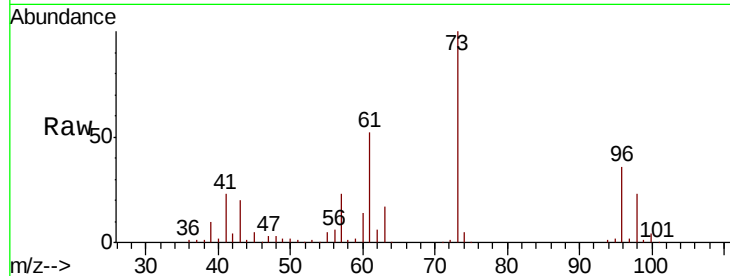




#17
trans-1,2-Dichloroethene
Concen: 45.980 ug/L
RT: 2.78 min Scan# 525
Delta R.T. -0.00 min
Lab File: VV018072.D
Acq: 21 Aug 2020 10:02

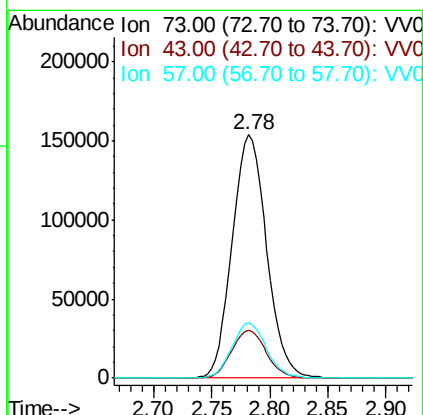
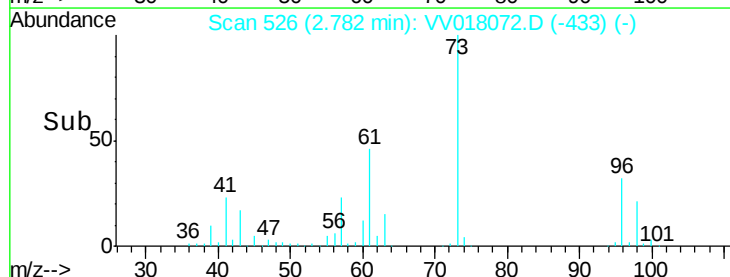
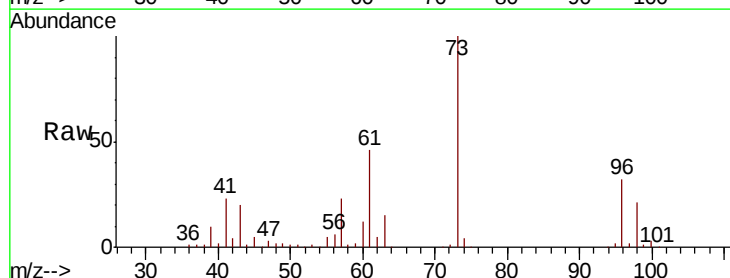
Instrument :
MSVOA_V
ClientSampleId :
VSTD05079

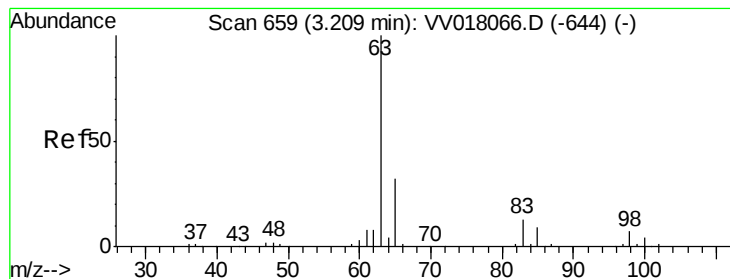
Tot Ion: 96 Resp: 93894
Ion Ratio Lower Upper
96 100
61 144.6 102.4 190.2
98 63.4 44.4 82.5



#18
Methyl tert-butyl Ether
Concen: 46.884 ug/L
RT: 2.78 min Scan# 526
Delta R.T. -0.00 min
Lab File: VV018072.D
Acq: 21 Aug 2020 10:02

Tgt Ion: 73 Resp: 316629
Ion Ratio Lower Upper
73 100
43 19.5 15.9 23.9
57 22.6 18.1 27.1





#19

1,1-Dichloroethane

Concen: 45.913 ug/L

RT: 3.21 min Scan# 659

Delta R.T. -0.00 min

Lab File: VV018072.D

Acq: 21 Aug 2020 10:02

Instrument :

MSVOA_V

ClientSampled :

VSTD05079

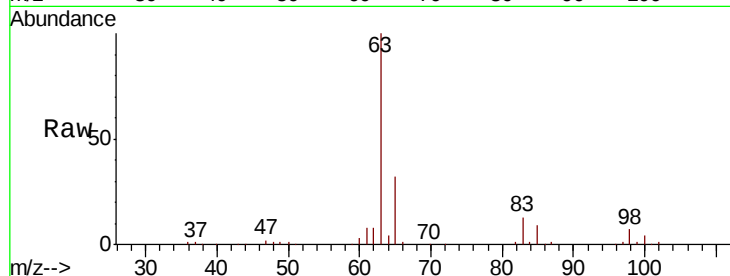
Tot Ion: 63 Resp: 188522

Ion Ratio Lower Upper

63 100

65 31.9 22.5 41.7

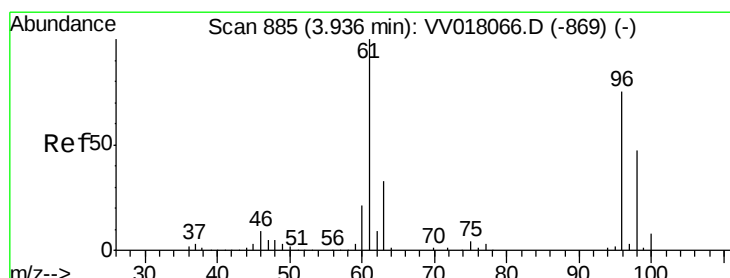
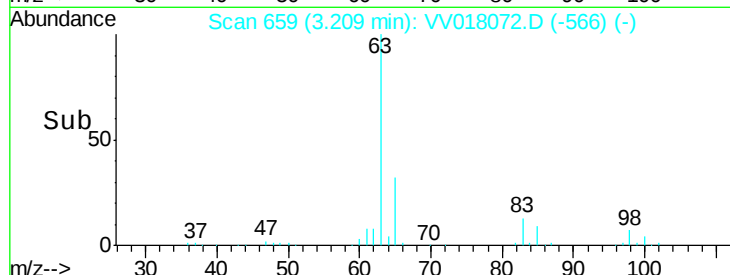
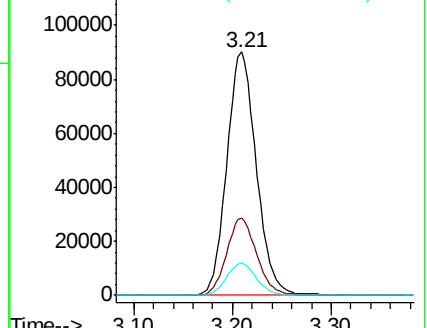
83 13.1 9.2 17.2



Abundance Ion 63.00 (62.70 to 63.70): VV018066.D (-644) (-)

Ion 65.00 (64.70 to 65.70): VV018066.D (-644) (-)

Ion 83.00 (82.70 to 83.70): VV018066.D (-644) (-)



#20

cis-1,2-Dichloroethene

Concen: 47.118 ug/L

RT: 3.94 min Scan# 885

Delta R.T. -0.00 min

Lab File: VV018072.D

Acq: 21 Aug 2020 10:02

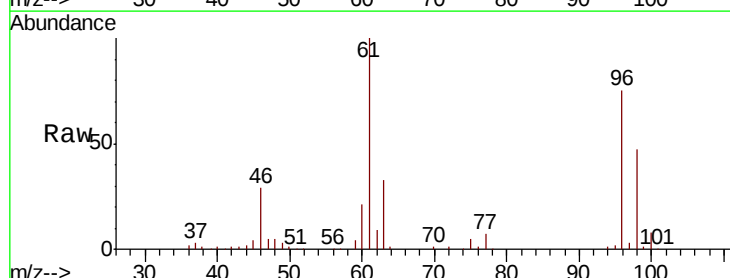
Tgt Ion: 96 Resp: 105735

Ion Ratio Lower Upper

96 100

61 132.6 95.0 176.4

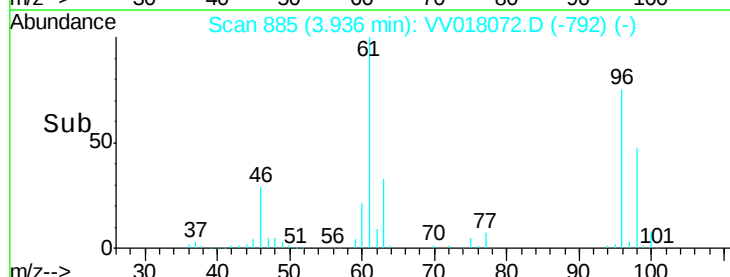
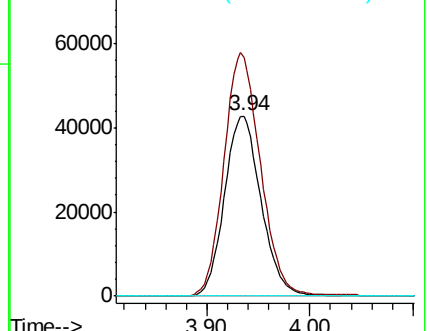
68 0.0 0.0 0.0

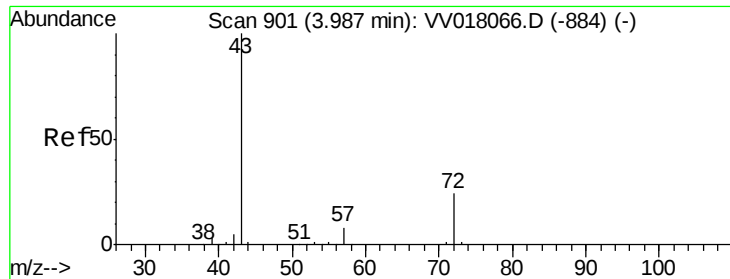


Abundance Ion 96.00 (95.70 to 96.70): VV018066.D (-869) (-)

Ion 61.00 (60.70 to 61.70): VV018066.D (-869) (-)

Ion 68.00 (67.70 to 68.70): VV018066.D (-869) (-)





#22

2-Butanone

Concen: 99.334 ug/L

RT: 3.99 min Scan# 901

Delta R.T. -0.00 min

Lab File: VV018072.D

Acq: 21 Aug 2020 10:02

Instrument :

MSVOA_V

ClientSampled :

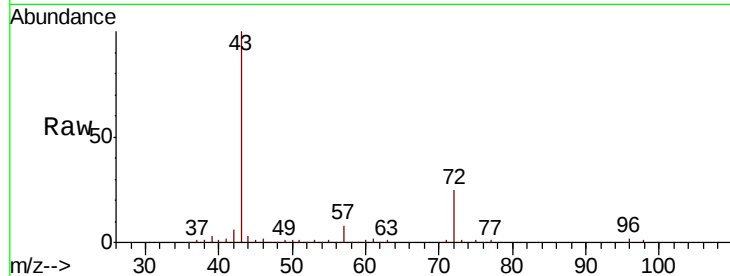
VSTD05079

Tot Ion: 43 Resp: 170344

Ion Ratio Lower Upper

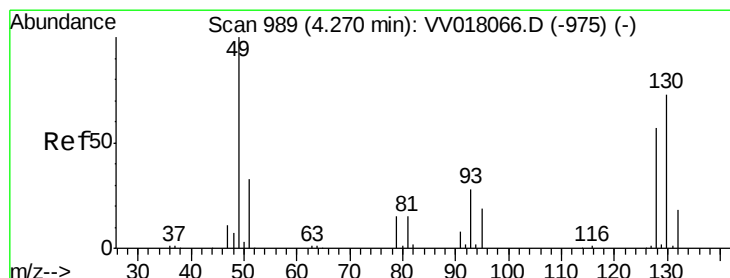
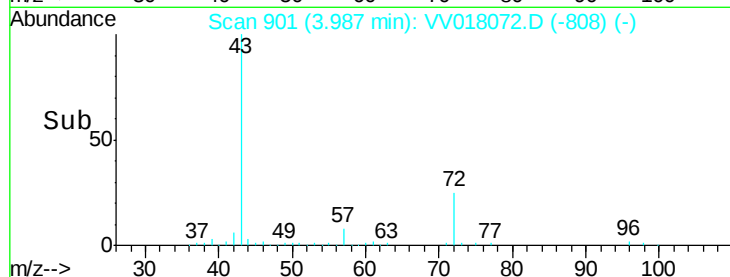
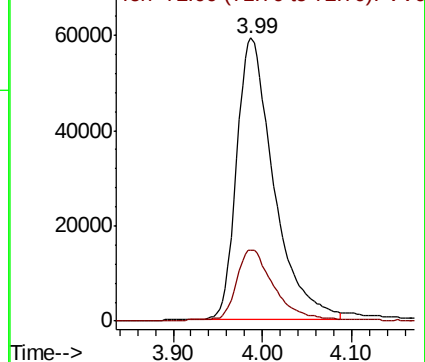
43 100

72 26.4 12.7 38.0



Abundance Ion 43.00 (42.70 to 43.70): VV018072.D (-808) (-)

Ion 72.00 (71.70 to 72.70): VV018072.D (-808) (-)



#23

Bromochloromethane

Concen: 46.821 ug/L

RT: 4.27 min Scan# 989

Delta R.T. -0.00 min

Lab File: VV018072.D

Acq: 21 Aug 2020 10:02

Tgt Ion: 128 Resp: 54888

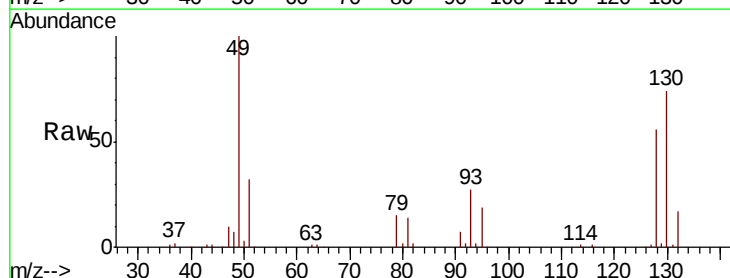
Ion Ratio Lower Upper

128 100

49 179.1 125.6 233.3

130 133.0 89.9 167.0

51 56.6 45.8 68.6

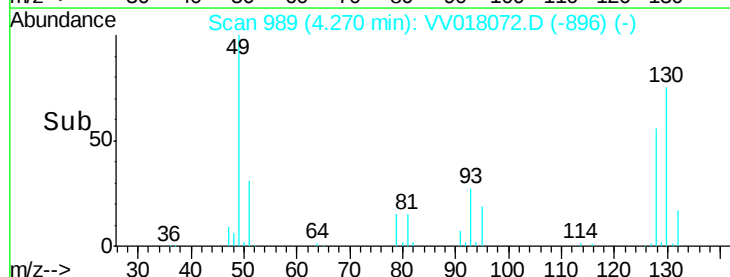
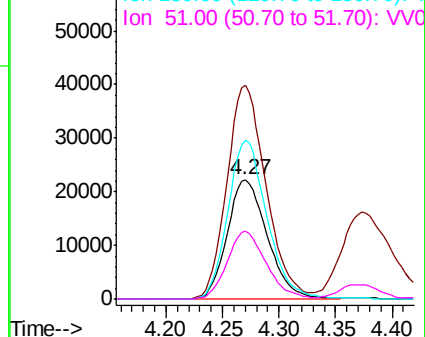


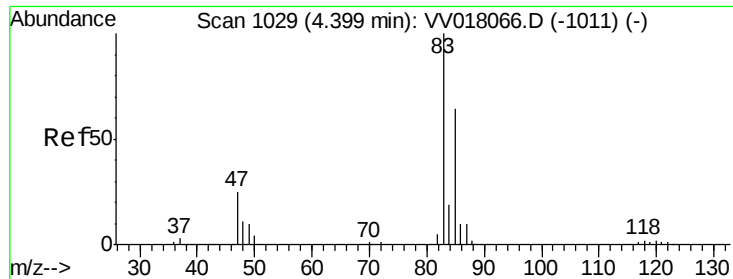
Abundance Ion 128.00 (127.70 to 128.70): VV018072.D (-896) (-)

Ion 49.00 (48.70 to 49.70): VV018072.D (-896) (-)

Ion 130.00 (129.70 to 130.70): VV018072.D (-896) (-)

Ion 51.00 (50.70 to 51.70): VV018072.D (-896) (-)

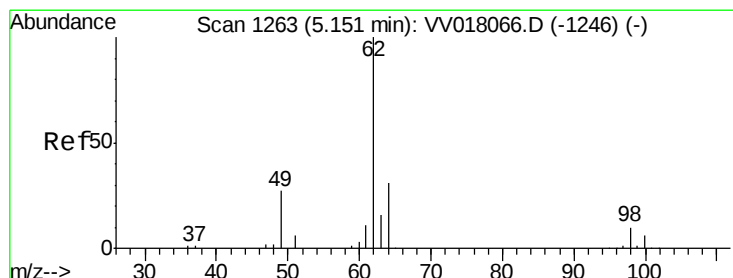
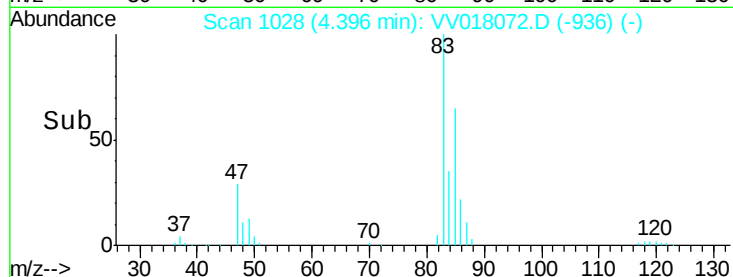
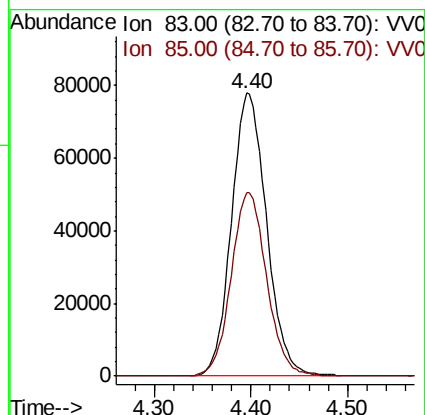
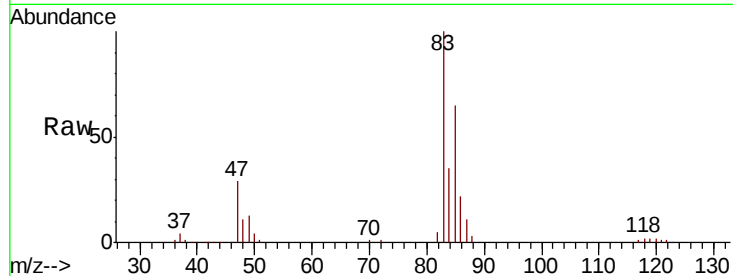




#25
Chloroform
Concen: 46.878 ug/L
RT: 4.40 min Scan# 1028
Delta R.T. -0.00 min
Lab File: VV018072.D
Acq: 21 Aug 2020 10:02

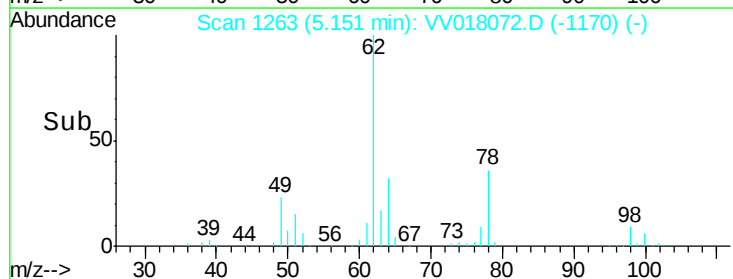
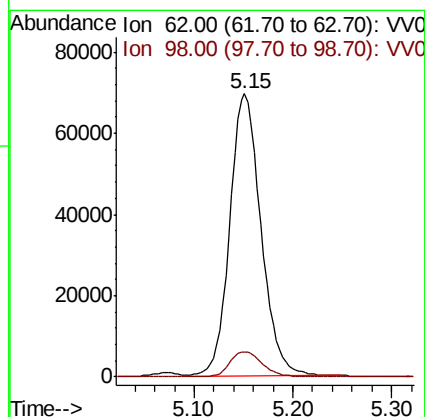
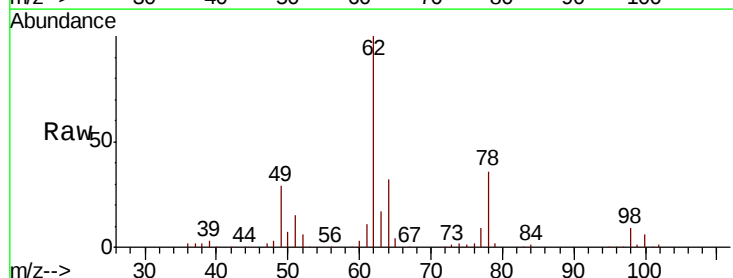
Instrument :
MSVOA_V
ClientSampleId :
VSTD05079

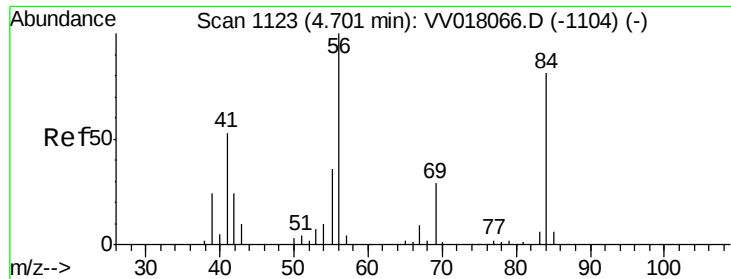
Tot Ion: 83 Resp: 196330
Ion Ratio Lower Upper
83 100
85 65.0 45.5 84.5



#27
1,2-Dichloroethane
Concen: 45.944 ug/L
RT: 5.15 min Scan# 1263
Delta R.T. -0.00 min
Lab File: VV018072.D
Acq: 21 Aug 2020 10:02

Tgt Ion: 62 Resp: 153156
Ion Ratio Lower Upper
62 100
98 9.0 7.1 10.7

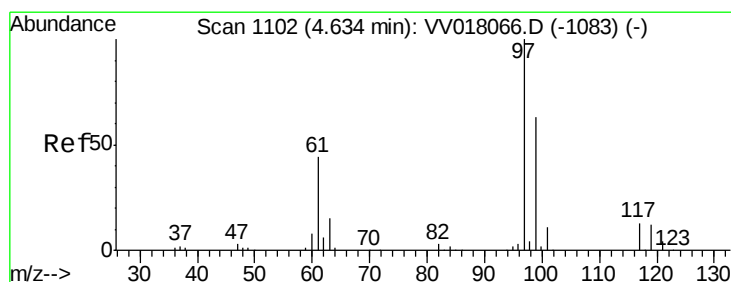
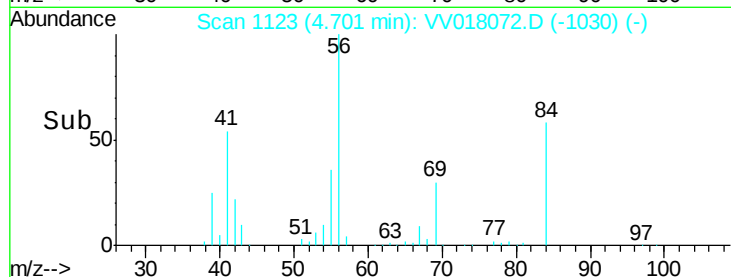
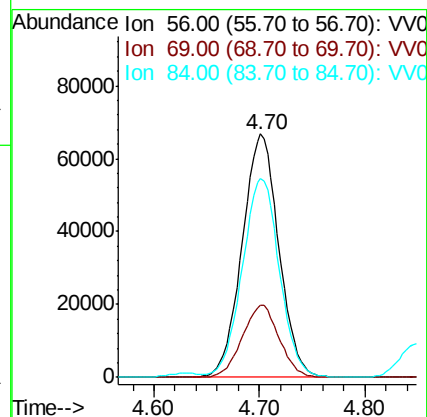
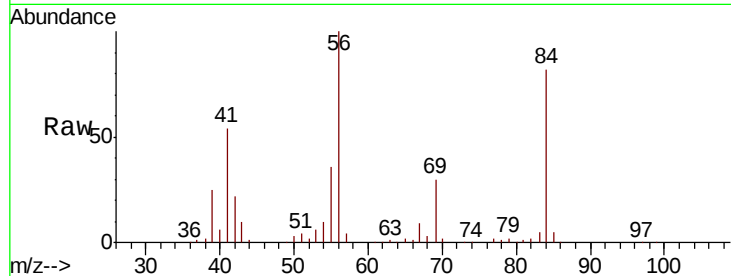




#29
Cyclohexane
Concen: 45.702 ug/L
RT: 4.70 min Scan# 1123
Delta R.T. -0.00 min
Lab File: VV018072.D
Acq: 21 Aug 2020 10:02

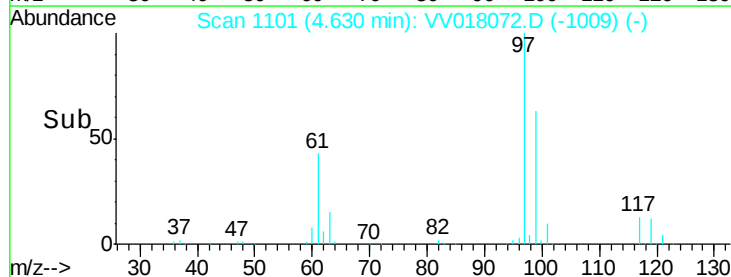
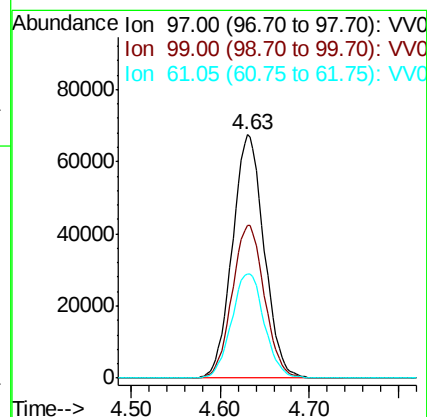
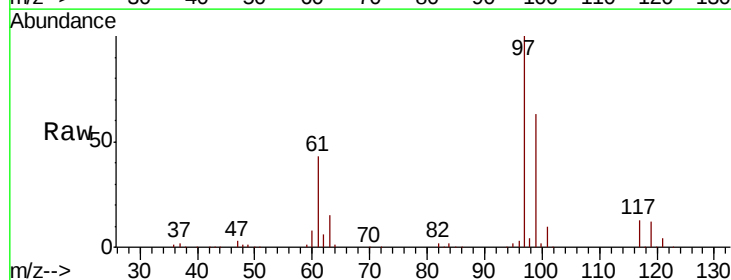
Instrument :
MSVOA_V
ClientSampleId :
VSTD05079

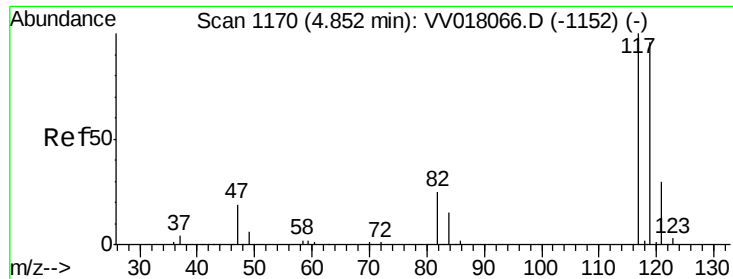
Tot Ion: 56 Resp: 161343
Ion Ratio Lower Upper
56 100
69 29.9 23.8 35.8
84 83.4 66.8 100.2



#30
1,1,1-Trichloroethane
Concen: 46.363 ug/L
RT: 4.63 min Scan# 1101
Delta R.T. -0.00 min
Lab File: VV018072.D
Acq: 21 Aug 2020 10:02

Tgt Ion: 97 Resp: 166190
Ion Ratio Lower Upper
97 100
99 63.9 50.6 76.0
61 44.3 37.0 55.6

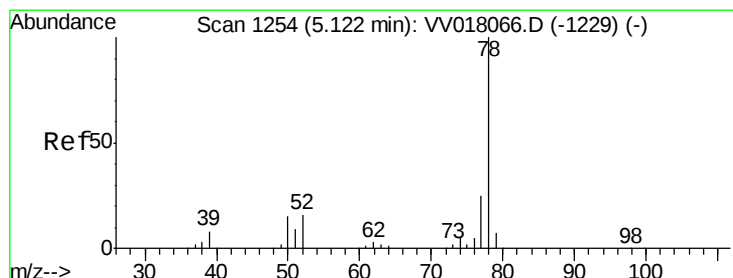
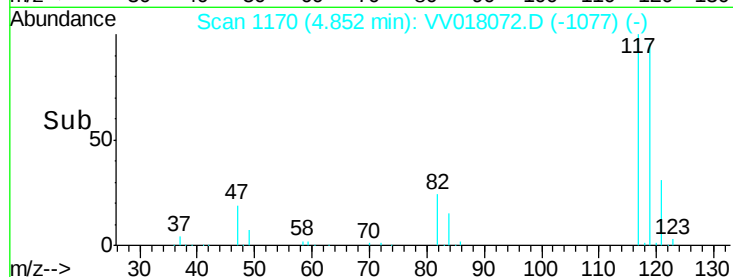
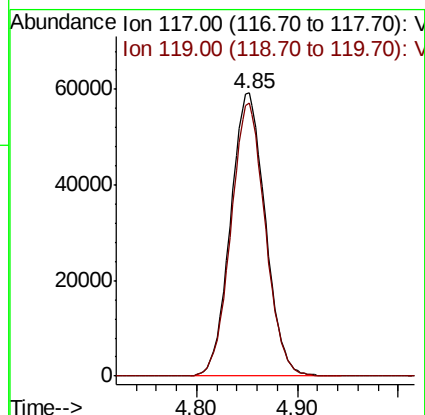
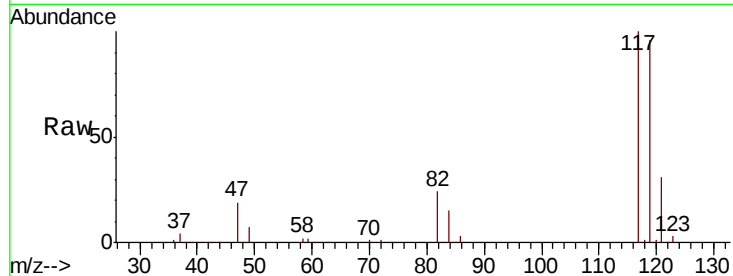




#31
Carbon tetrachloride
Concen: 47.622 ug/L
RT: 4.85 min Scan# 1170
Delta R.T. -0.00 min
Lab File: VV018072.D
Acq: 21 Aug 2020 10:02

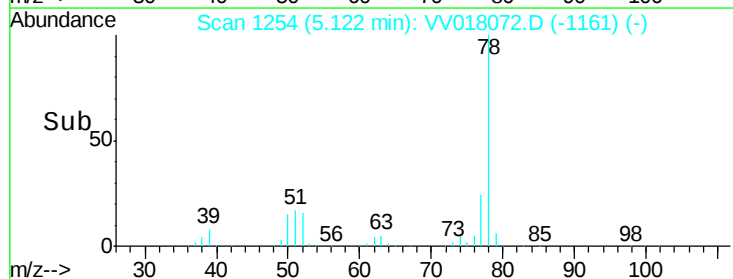
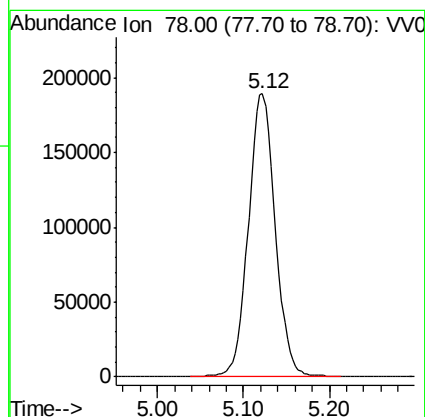
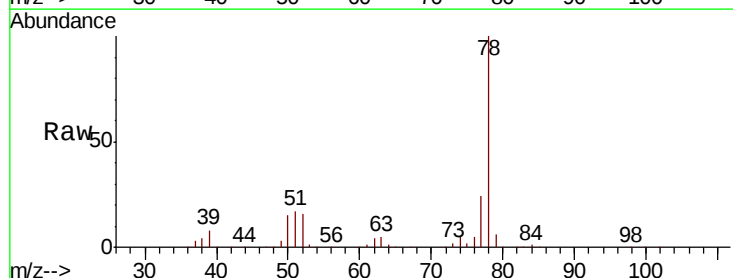
Instrument :
MSVOA_V
ClientSampleId :
VSTD05079

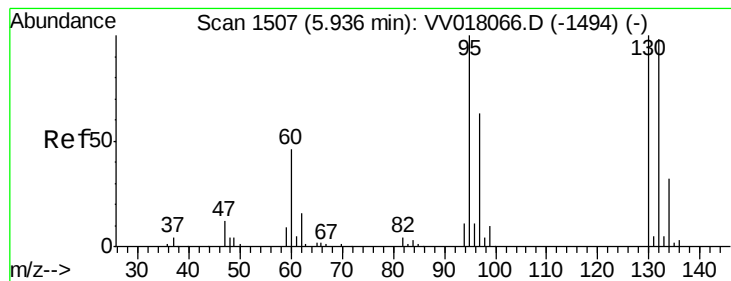
Tot Ion:117 Resp: 142107
Ion Ratio Lower Upper
117 100
119 95.0 77.0 115.6



#33
Benzene
Concen: 45.480 ug/L
RT: 5.12 min Scan# 1254
Delta R.T. -0.00 min
Lab File: VV018072.D
Acq: 21 Aug 2020 10:02

Tgt Ion: 78 Resp: 411583





#34

Trichloroethene

Concen: 45.925 ug/L

RT: 5.94 min Scan# 1507

Delta R.T. -0.00 min

Lab File: VV018072.D

Acq: 21 Aug 2020 10:02

Instrument :

MSVOA_V

ClientSampleId :

VSTD05079

Tot Ion: 95 Resp: 109857

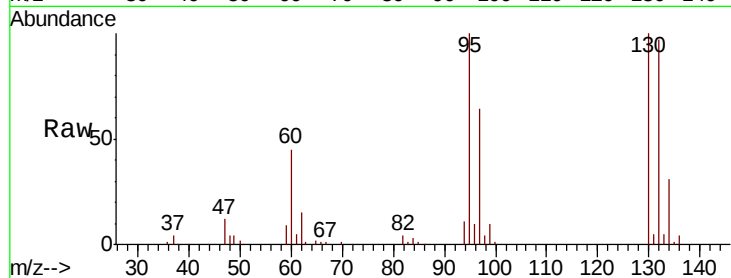
Ion Ratio Lower Upper

95 100

97 64.0 46.0 85.4

132 97.8 65.8 122.2

130 100.5 69.2 128.6

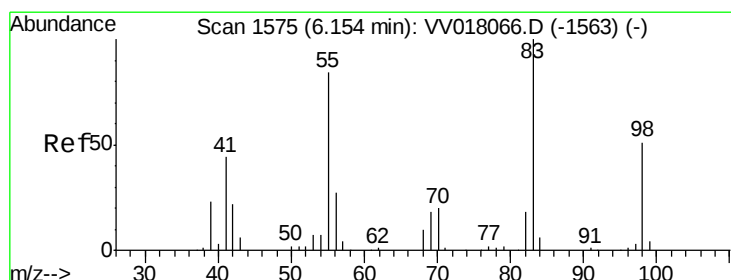
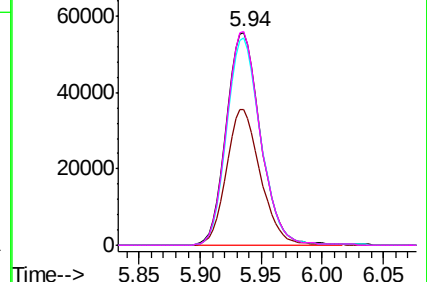
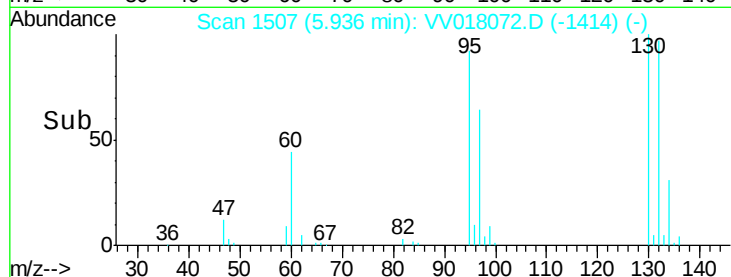


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 45.520 ug/L

RT: 6.15 min Scan# 1574

Delta R.T. -0.00 min

Lab File: VV018072.D

Acq: 21 Aug 2020 10:02

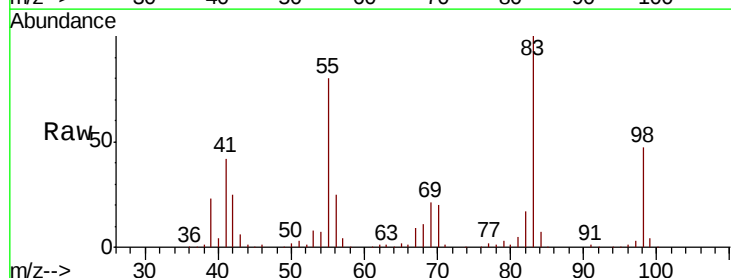
Tgt Ion: 83 Resp: 161915

Ion Ratio Lower Upper

83 100

55 79.8 64.9 97.3

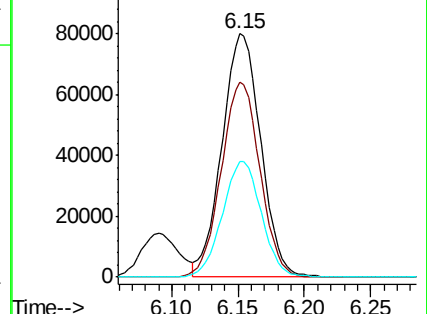
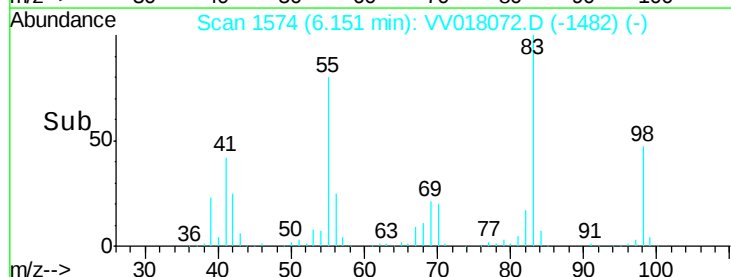
98 48.2 38.7 58.1

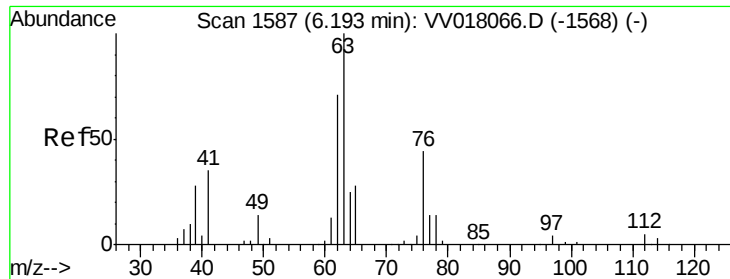


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

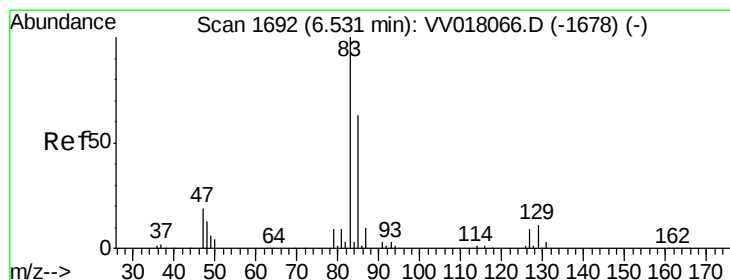
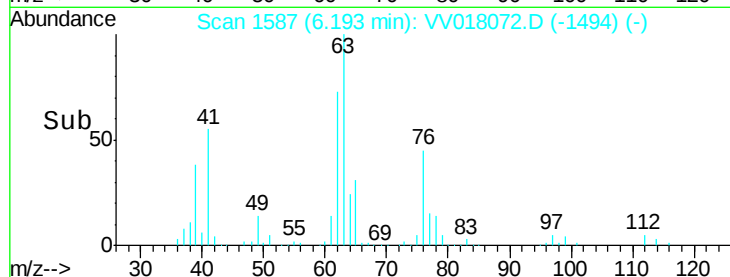
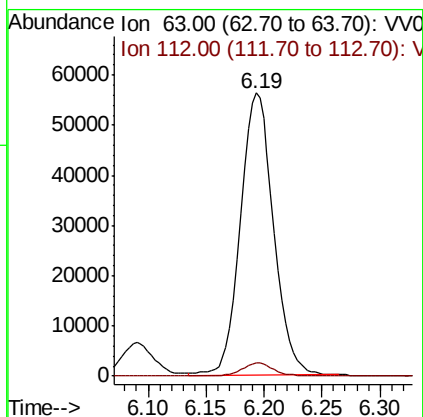
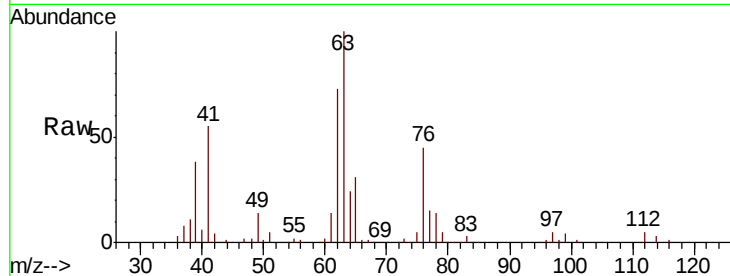




#37
 1,2-Dichloropropane
 Concen: 45.210 ug/L
 RT: 6.19 min Scan# 1587
 Delta R.T. -0.00 min
 Lab File: VV018072.D
 Acq: 21 Aug 2020 10:02

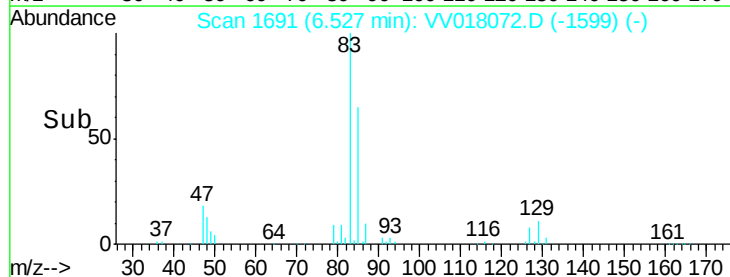
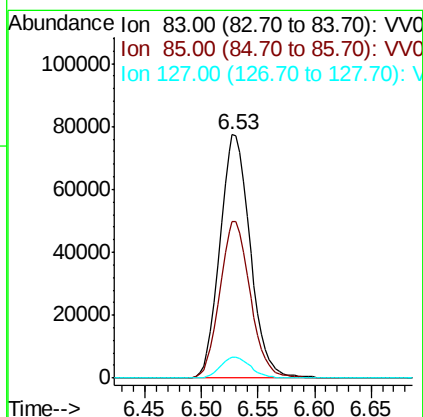
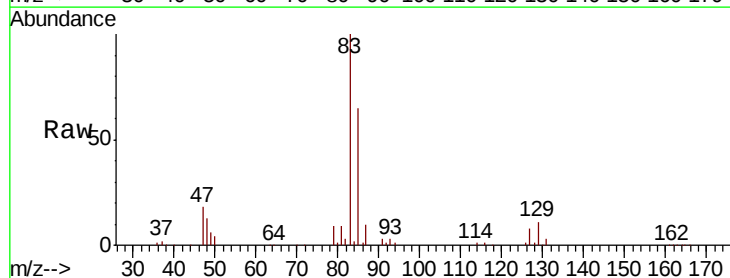
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05079

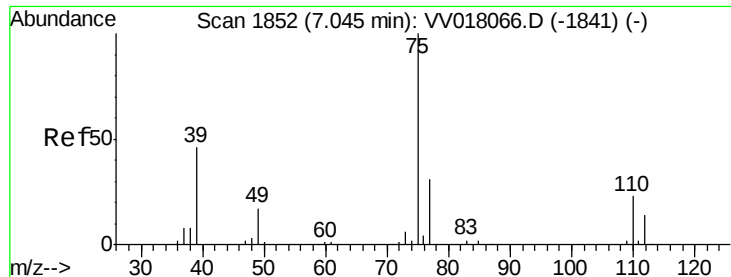
Tot Ion: 63 Resp: 111576
 Ion Ratio Lower Upper
 63 100
 112 4.4 3.5 5.3



#38
 Bromodichloromethane
 Concen: 47.117 ug/L
 RT: 6.53 min Scan# 1691
 Delta R.T. -0.00 min
 Lab File: VV018072.D
 Acq: 21 Aug 2020 10:02

Tgt Ion: 83 Resp: 144436
 Ion Ratio Lower Upper
 83 100
 85 64.5 44.3 82.3
 127 8.5 6.5 9.7

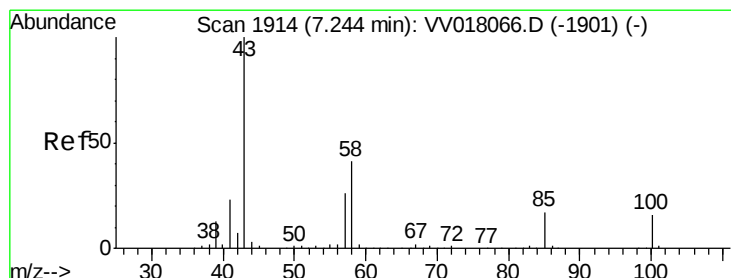
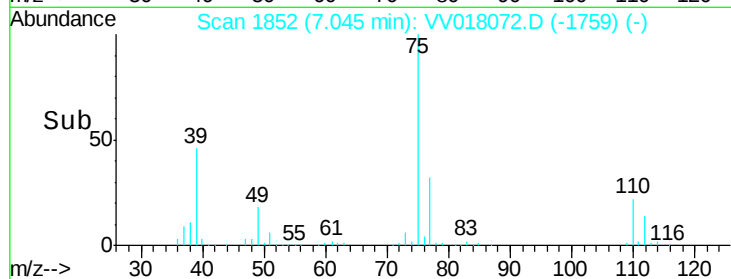
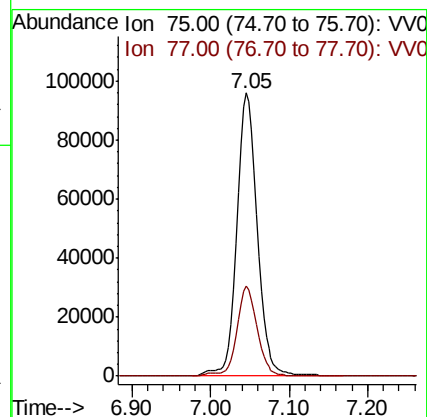
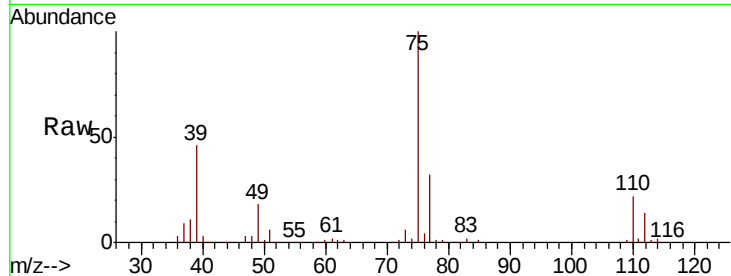




#39
 cis-1,3-Dichloropropene
 Concen: 49.432 ug/L
 RT: 7.05 min Scan# 1852
 Delta R.T. -0.00 min
 Lab File: VV018072.D
 Acq: 21 Aug 2020 10:02

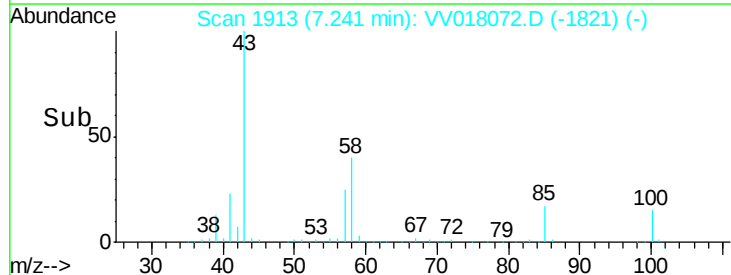
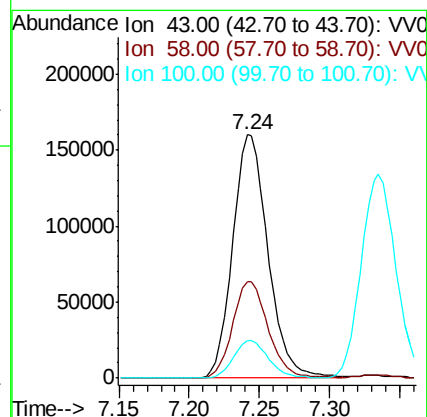
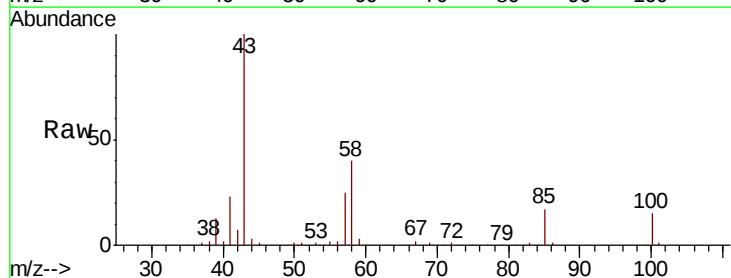
Instrument :
 MSVOA_V
 ClientSampled :
 VSTD05079

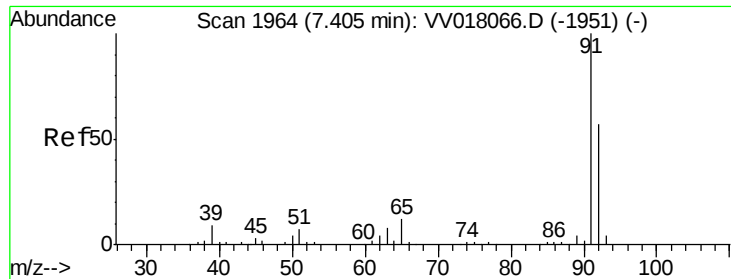
Tot Ion: 75 Resp: 172947
 Ion Ratio Lower Upper
 75 100
 77 31.7 22.3 41.5



#40
 4-Methyl-2-pentanone
 Concen: 86.945 ug/L
 RT: 7.24 min Scan# 1913
 Delta R.T. -0.00 min
 Lab File: VV018072.D
 Acq: 21 Aug 2020 10:02

Tgt Ion: 43 Resp: 280508
 Ion Ratio Lower Upper
 43 100
 58 40.0 31.9 47.9
 100 15.4 12.2 18.2





#42

Toluene

Concen: 46.247 ug/L

RT: 7.41 min Scan# 1964

Delta R.T. -0.00 min

Lab File: VV018072.D

Acq: 21 Aug 2020 10:02

Instrument :

MSVOA_V

ClientSampleId :

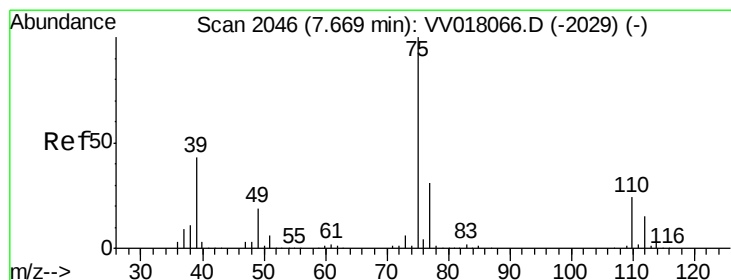
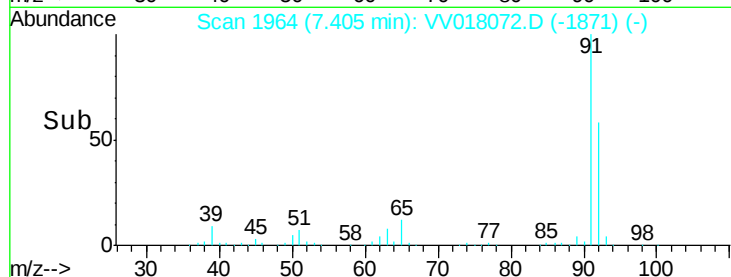
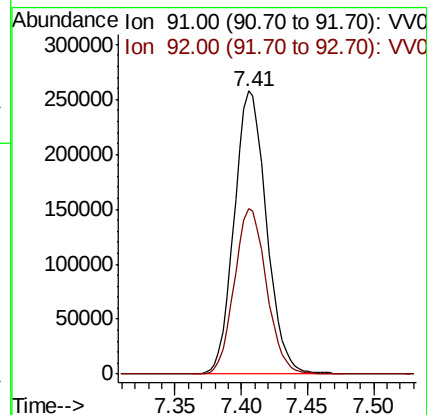
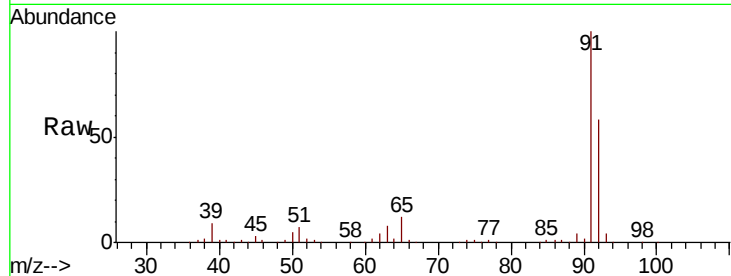
VSTD05079

Tot Ion: 91 Resp: 436724

Ion Ratio Lower Upper

91 100

92 58.4 40.6 75.4



#44

trans-1,3-Dichloropropene

Concen: 50.583 ug/L

RT: 7.67 min Scan# 2046

Delta R.T. -0.00 min

Lab File: VV018072.D

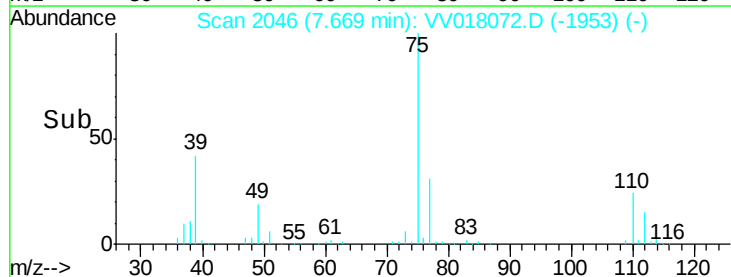
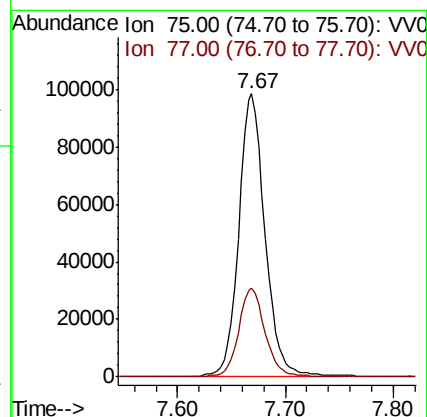
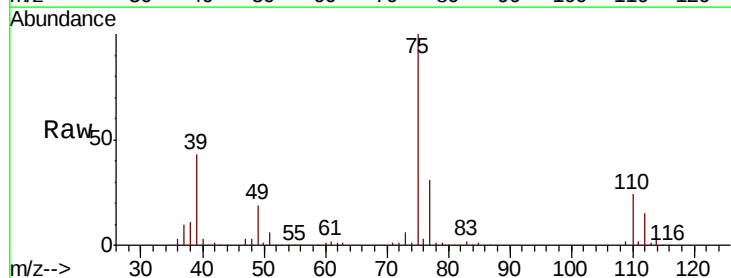
Acq: 21 Aug 2020 10:02

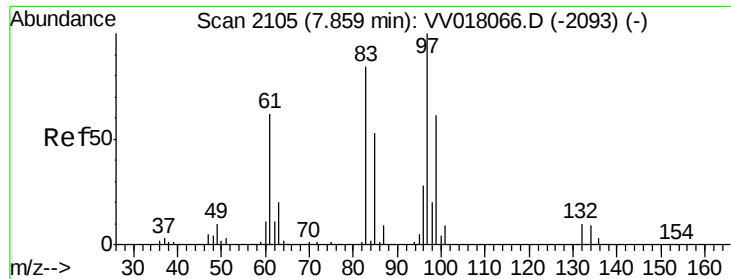
Tgt Ion: 75 Resp: 167914

Ion Ratio Lower Upper

75 100

77 31.3 22.3 41.5

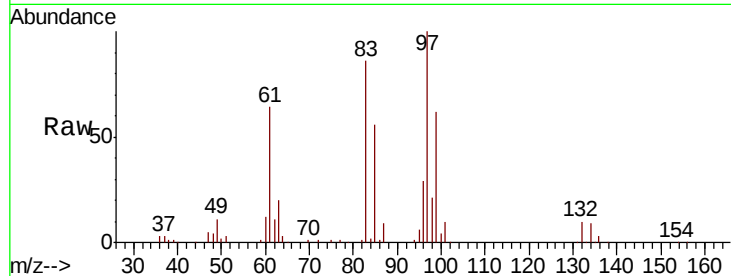




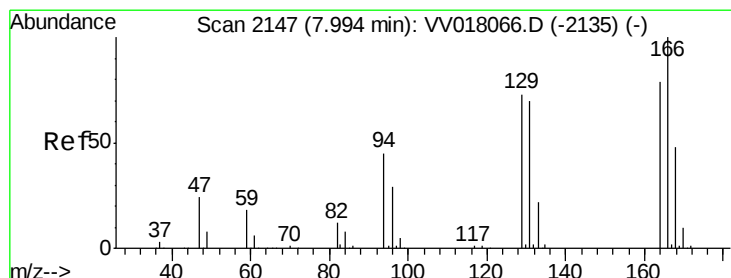
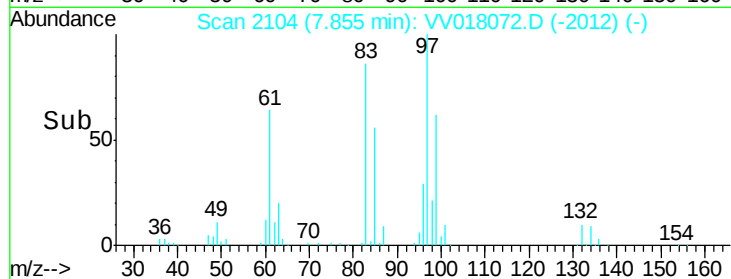
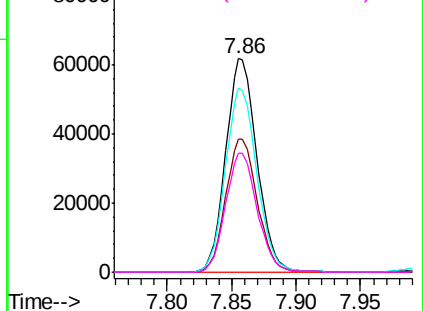
#45
 1,1,2-Trichloroethane
 Concen: 45.508 ug/L
 RT: 7.86 min Scan# 2104
 Delta R.T. -0.00 min
 Lab File: VV018072.D
 Acq: 21 Aug 2020 10:02

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05079

Tot Ion:	97	Resp:	104011
Ion	Ratio	Lower	Upper
97	100		
99	62.4	44.2	82.2
83	86.0	61.0	113.4
85	55.7	39.5	73.4

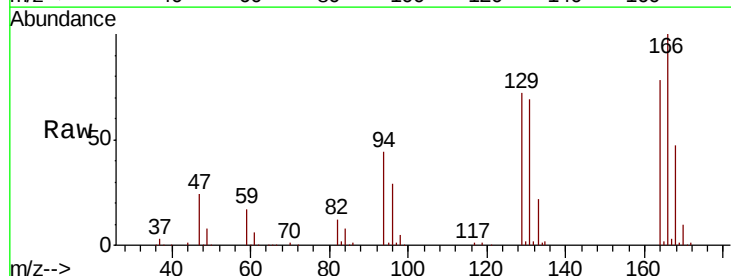


Abundance Ion 97.00 (96.70 to 97.70): VV018072.D (-2012) (-)

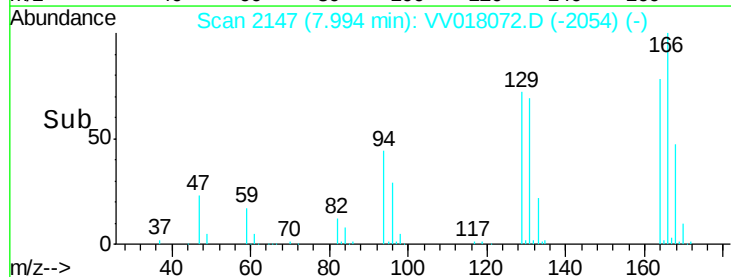
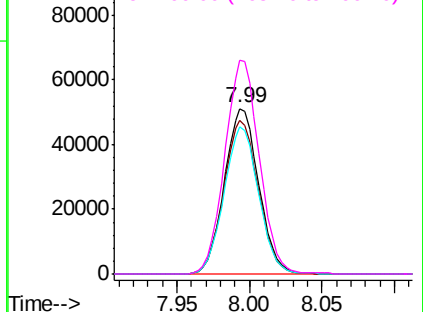


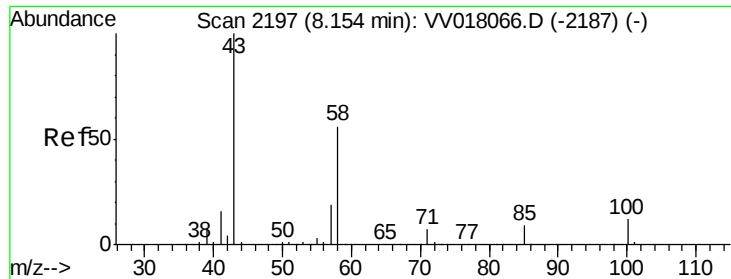
#46
 Tetrachloroethene
 Concen: 47.754 ug/L
 RT: 7.99 min Scan# 2147
 Delta R.T. -0.00 min
 Lab File: VV018072.D
 Acq: 21 Aug 2020 10:02

Tgt Ion:	164	Resp:	83777
Ion	Ratio	Lower	Upper
164	100		
129	92.8	64.8	120.3
131	88.9	64.5	119.9
166	129.0	88.9	165.1



Abundance Ion 164.00 (163.70 to 164.70): VV018072.D (-2054) (-)

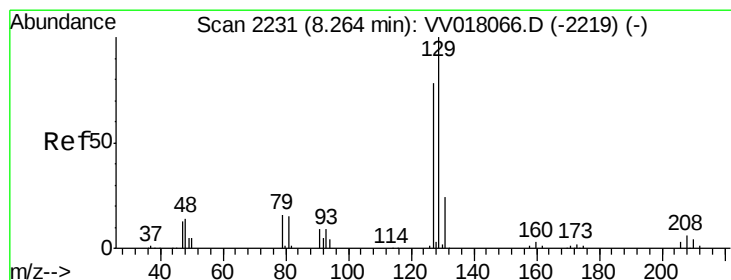
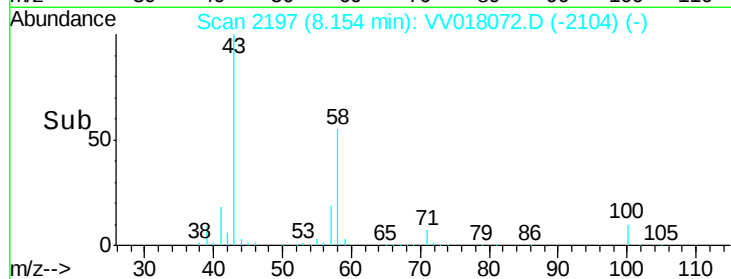
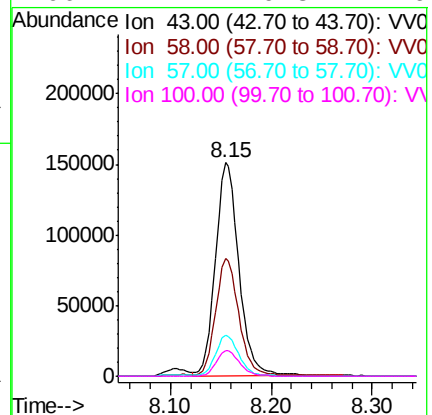
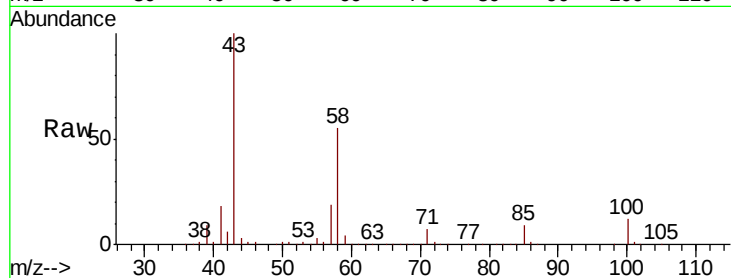




#48
2-Hexanone
Concen: 93.852 ug/L
RT: 8.15 min Scan# 2197
Delta R.T. -0.00 min
Lab File: VV018072.D
Acq: 21 Aug 2020 10:02

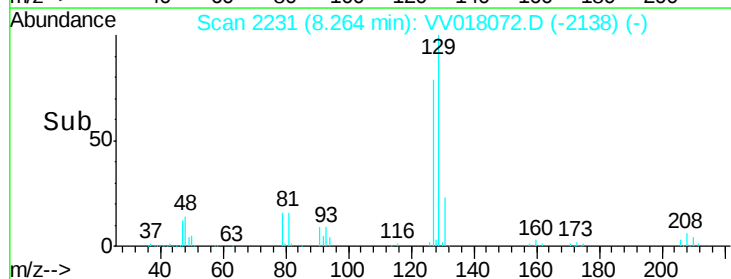
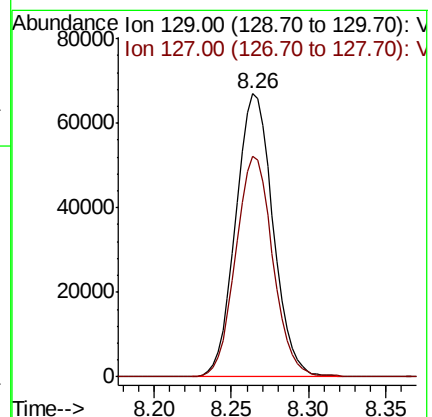
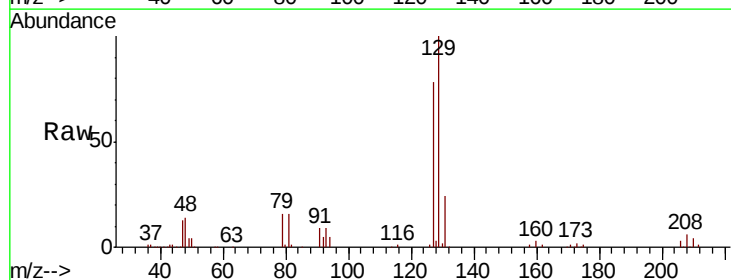
Instrument :
MSVOA_V
ClientSampleId :
VSTD05079

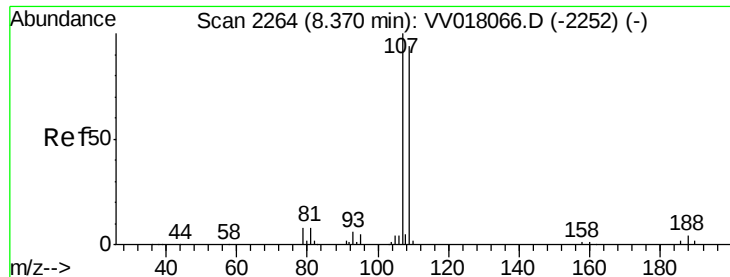
Tot Ion: 43 Resp: 244167
Ion Ratio Lower Upper
43 100
58 54.5 44.4 66.6
57 18.9 15.2 22.8
100 12.2 9.8 14.6



#49
Dibromochloromethane
Concen: 50.283 ug/L
RT: 8.26 min Scan# 2231
Delta R.T. -0.00 min
Lab File: VV018072.D
Acq: 21 Aug 2020 10:02

Tgt Ion: 129 Resp: 112174
Ion Ratio Lower Upper
129 100
127 77.9 54.9 101.9

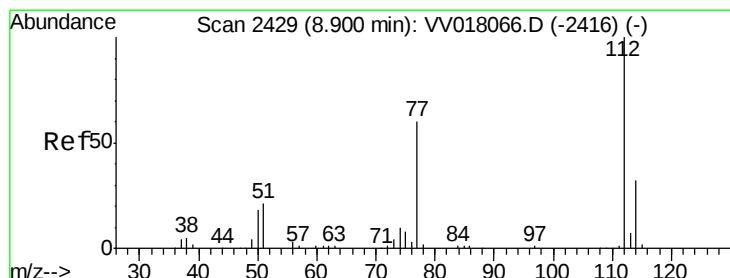
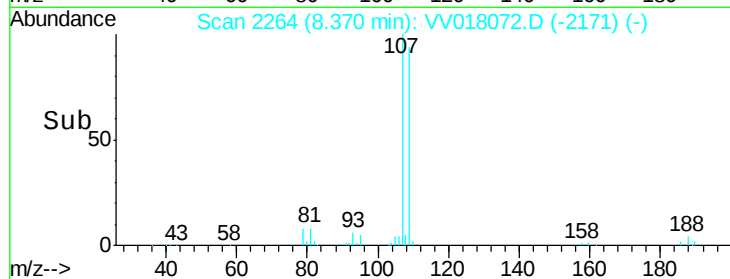
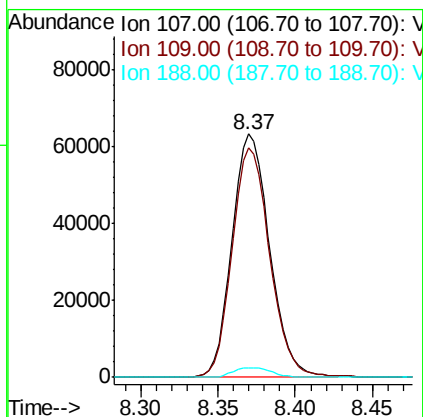
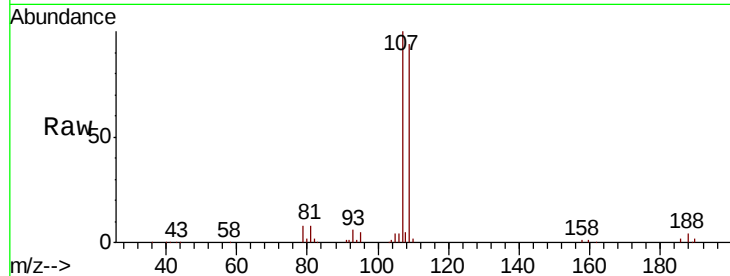




#50
 1,2-Dibromoethane
 Concen: 45.353 ug/L
 RT: 8.37 min Scan# 2264
 Delta R.T. -0.00 min
 Lab File: VV018072.D
 Acq: 21 Aug 2020 10:02

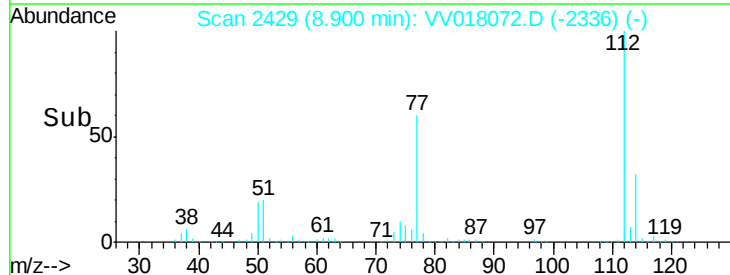
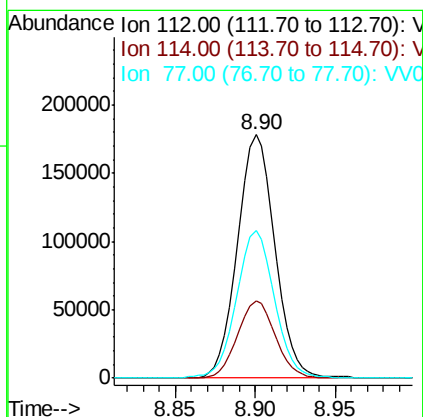
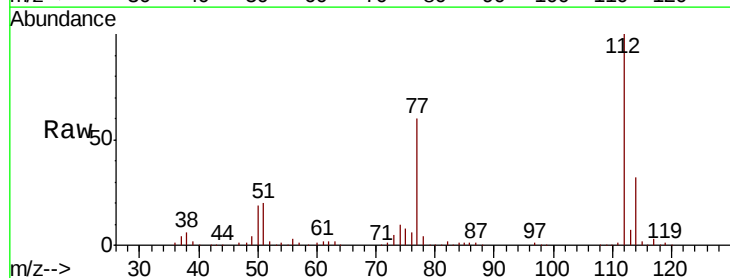
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05079

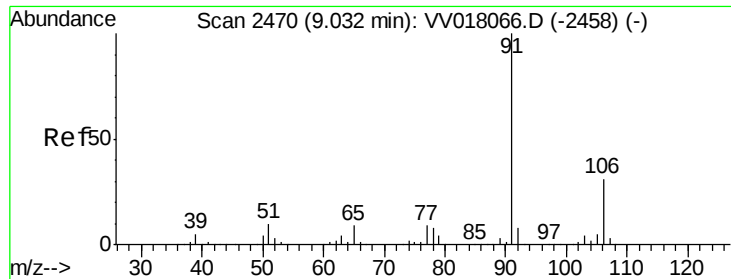
Tot Ion	Ratio	Lower	Upper
107	100		
109	94.3	67.5	125.4
188	4.1	3.4	5.0



#51
 Chlorobenzene
 Concen: 46.718 ug/L
 RT: 8.90 min Scan# 2429
 Delta R.T. -0.00 min
 Lab File: VV018072.D
 Acq: 21 Aug 2020 10:02

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.6	22.7	42.3
77	60.4	49.4	74.2





#52

Ethylbenzene

Concen: 47.138 ug/L

RT: 9.03 min Scan# 2469

Delta R.T. -0.00 min

Lab File: VV018072.D

Acq: 21 Aug 2020 10:02

Instrument :

MSVOA_V

ClientSampleID :

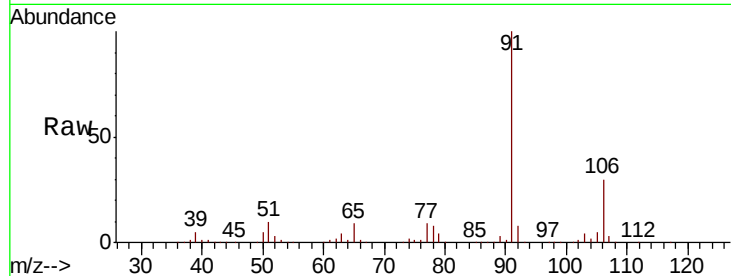
VSTD05079

Tot Ion: 91 Resp: 485356

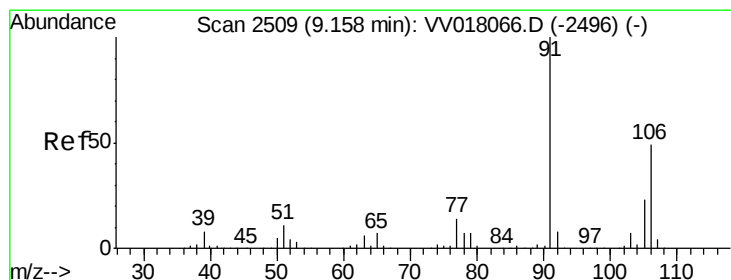
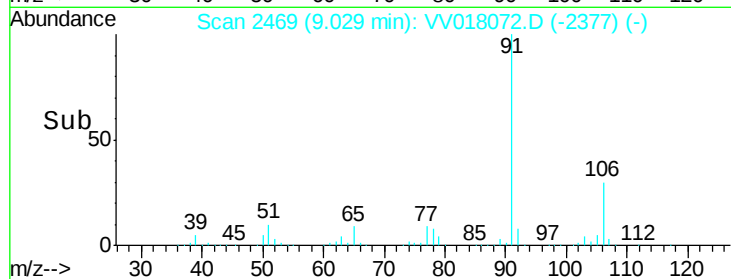
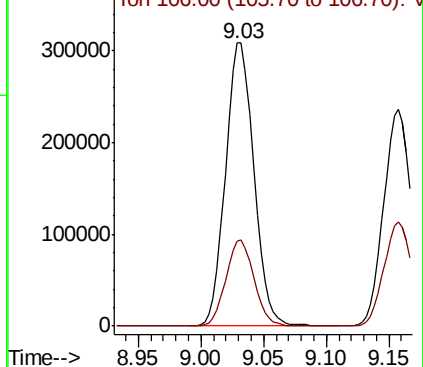
Ion Ratio Lower Upper

91 100

106 30.1 21.1 39.3



Abundance Ion 91.00 (90.70 to 91.70): VV018072.D (-2377) (-)



#53

m,p-Xylene

Concen: 48.077 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VV018072.D

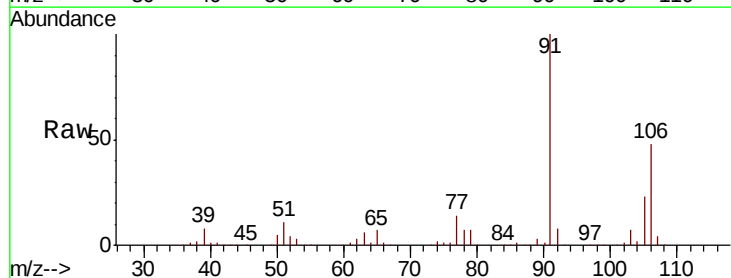
Acq: 21 Aug 2020 10:02

Tgt Ion: 106 Resp: 182069

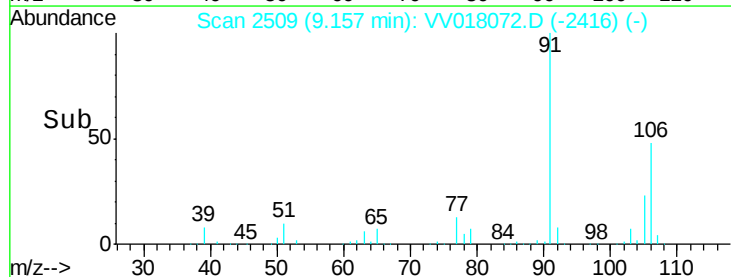
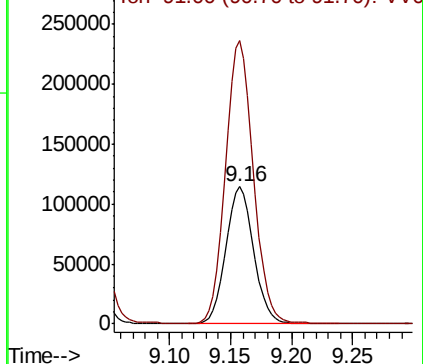
Ion Ratio Lower Upper

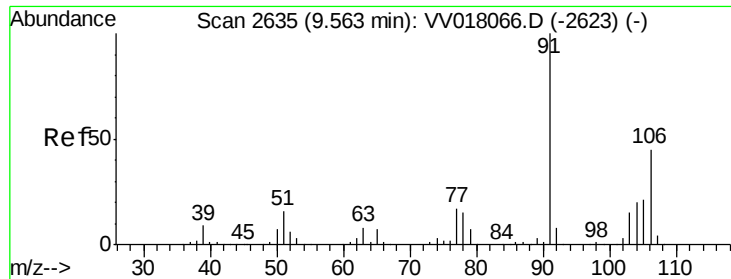
106 100

91 206.9 147.3 273.6



Abundance Ion 106.00 (105.70 to 106.70): VV018072.D (-2416) (-)





#54

o-xylene

Concen: 47.303 ug/L

RT: 9.56 min Scan# 2635

Delta R.T. -0.00 min

Lab File: VV018072.D

Acq: 21 Aug 2020 10:02

Instrument :

MSVOA_V

ClientSampleId :

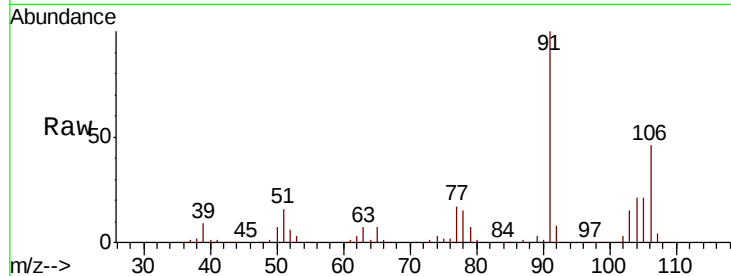
VSTD05079

Tot Ion:106 Resp: 177026

Ion Ratio Lower Upper

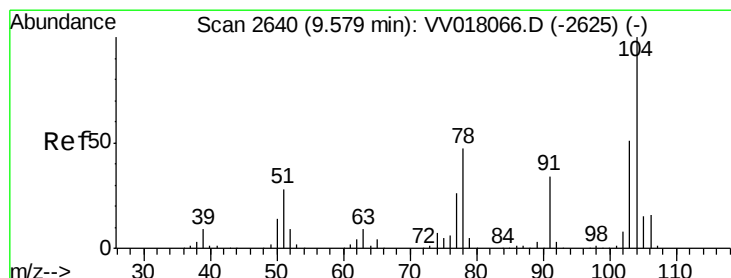
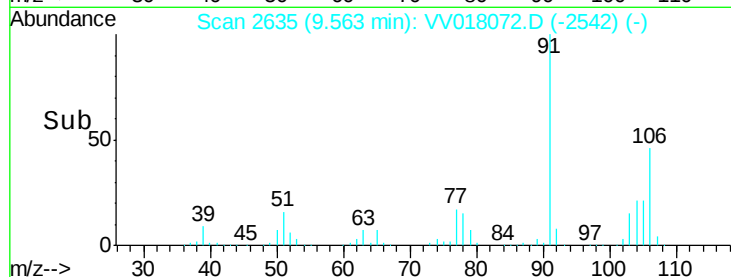
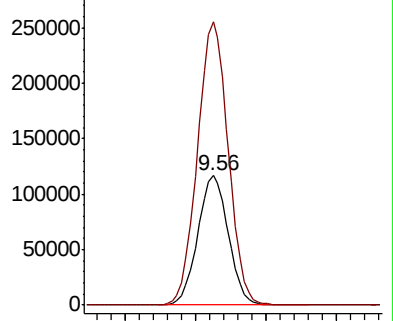
106 100

91 219.0 156.0 289.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 49.363 ug/L

RT: 9.58 min Scan# 2640

Delta R.T. -0.00 min

Lab File: VV018072.D

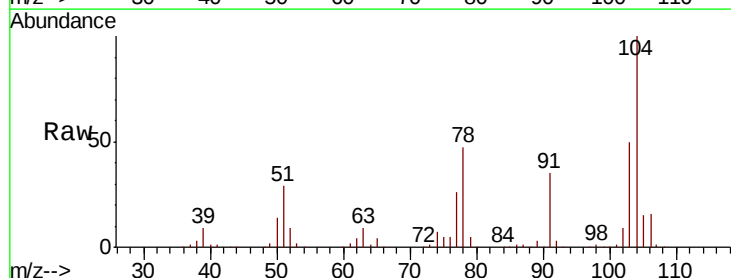
Acq: 21 Aug 2020 10:02

Tgt Ion:104 Resp: 316366

Ion Ratio Lower Upper

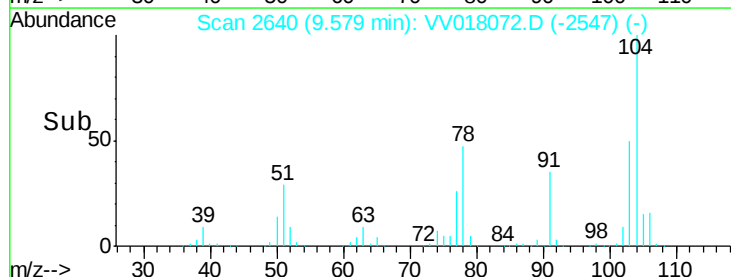
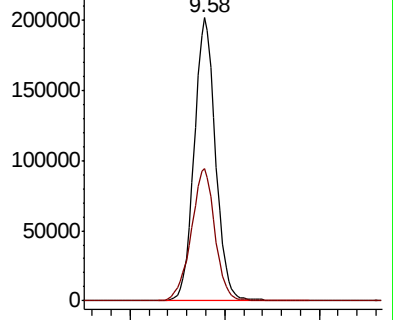
104 100

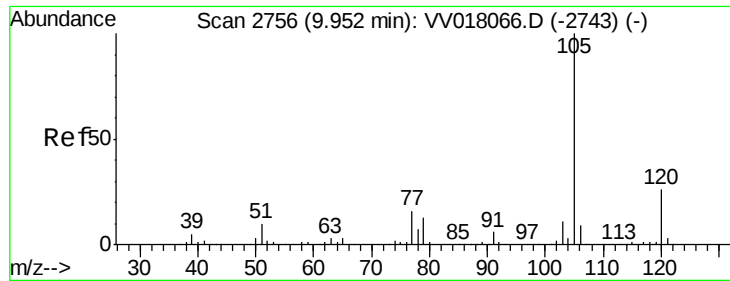
78 46.8 32.2 59.8



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 48.765 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VV018072.D

Acq: 21 Aug 2020 10:02

Instrument :

MSVOA_V

ClientSampleId :

VSTD05079

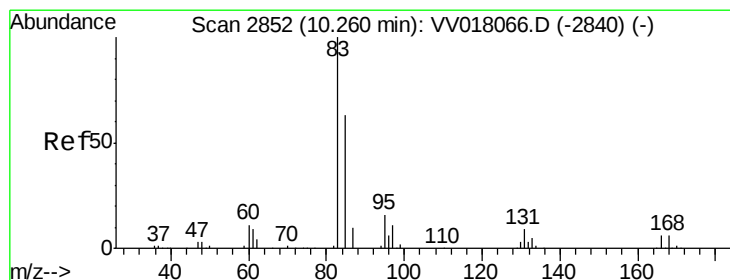
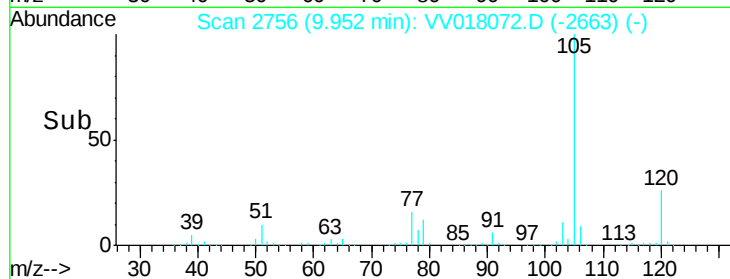
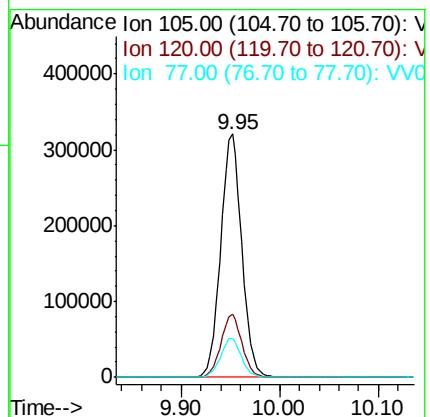
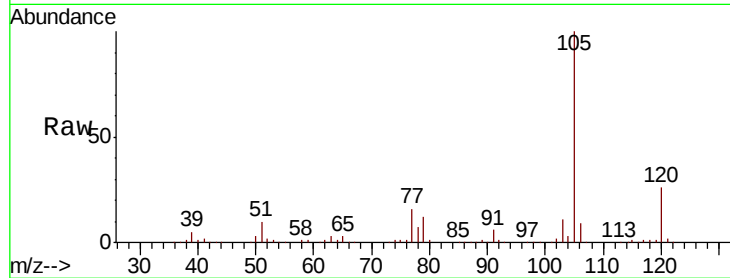
Tot Ion:105 Resp: 481447

Ion Ratio Lower Upper

105 100

120 25.7 20.6 31.0

77 15.8 13.1 19.7



#58

1,1,2,2-Tetrachloroethane

Concen: 43.479 ug/L

RT: 10.26 min Scan# 2852

Delta R.T. -0.00 min

Lab File: VV018072.D

Acq: 21 Aug 2020 10:02

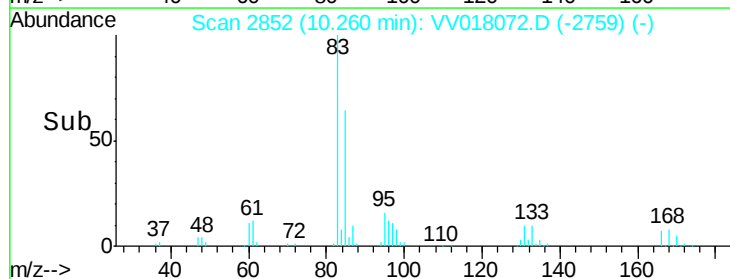
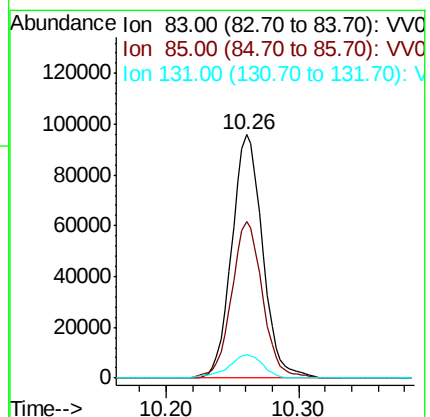
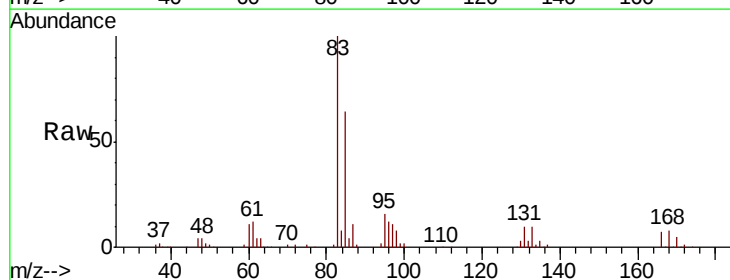
Tgt Ion: 83 Resp: 154744

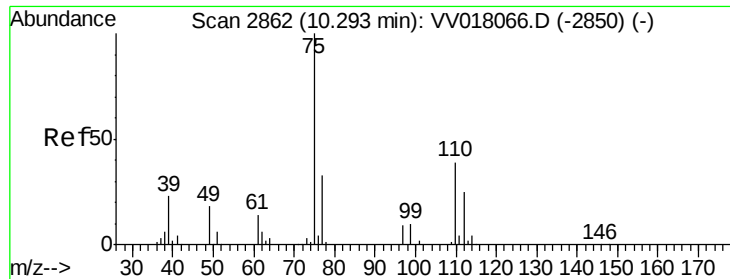
Ion Ratio Lower Upper

83 100

85 64.2 45.1 83.7

131 9.6 7.8 11.6





#59

1,2,3-Trichloropropane

Concen: 43.309 ug/L

RT: 10.29 min Scan# 2862

Delta R.T. -0.00 min

Lab File: VV018072.D

Acq: 21 Aug 2020 10:02

Instrument :

MSVOA_V

ClientSampleId :

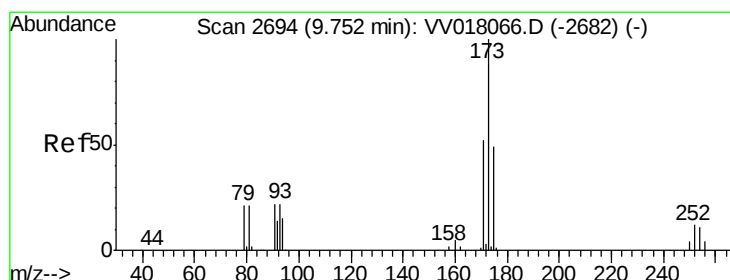
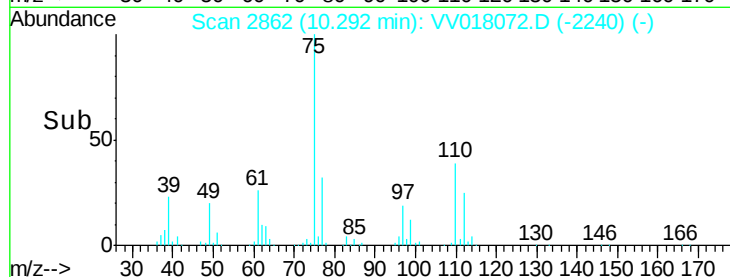
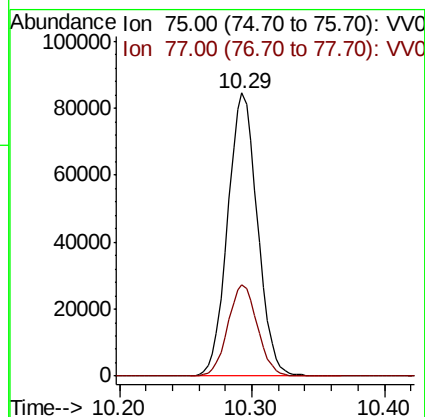
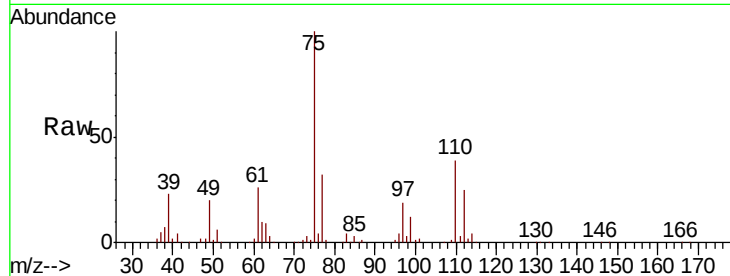
VSTD05079

Tot Ion: 75 Resp: 132005

Ion Ratio Lower Upper

75 100

77 31.9 25.7 38.5



#61

Bromoform

Concen: 51.247 ug/L

RT: 9.75 min Scan# 2693

Delta R.T. -0.00 min

Lab File: VV018072.D

Acq: 21 Aug 2020 10:02

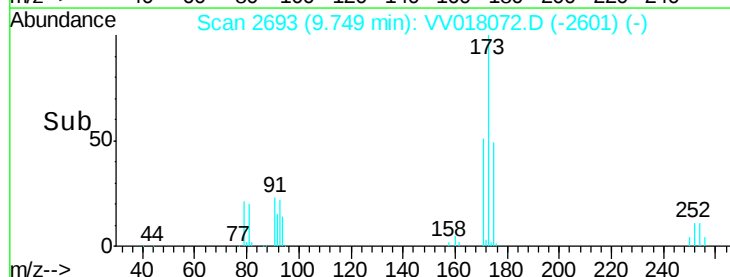
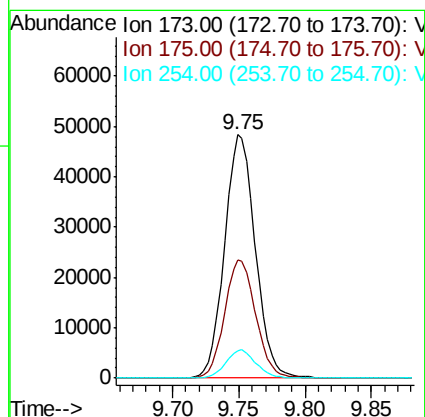
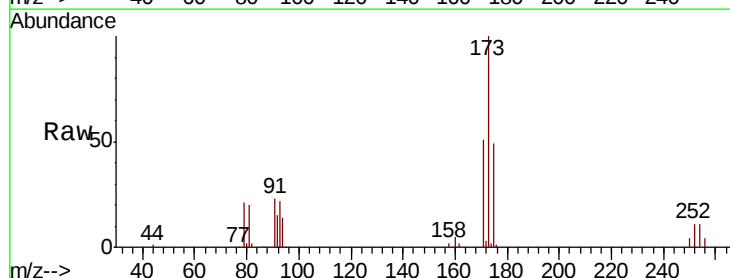
Tgt Ion: 173 Resp: 77779

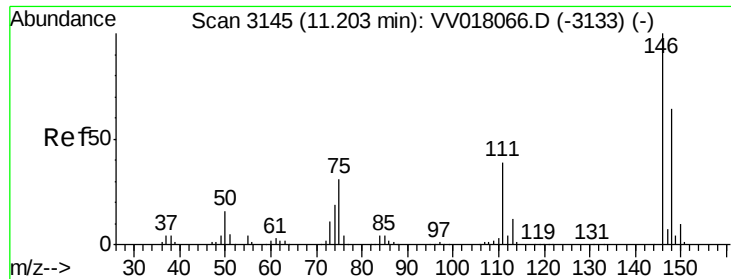
Ion Ratio Lower Upper

173 100

175 49.2 38.6 57.8

254 11.3 8.4 12.6





#62

1,3-Dichlorobenzene

Concen: 46.290 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. -0.00 min

Lab File: VV018072.D

Acq: 21 Aug 2020 10:02

Instrument :

MSVOA_V

ClientSampleId :

VSTD05079

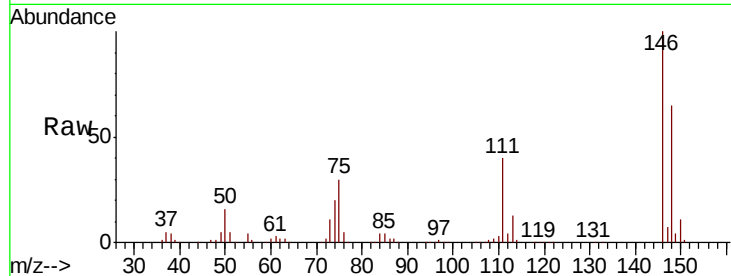
Tot Ion:146 Resp: 236109

Ion Ratio Lower Upper

146 100

111 40.4 28.8 53.4

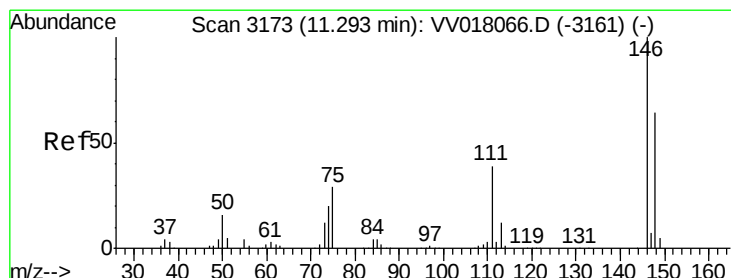
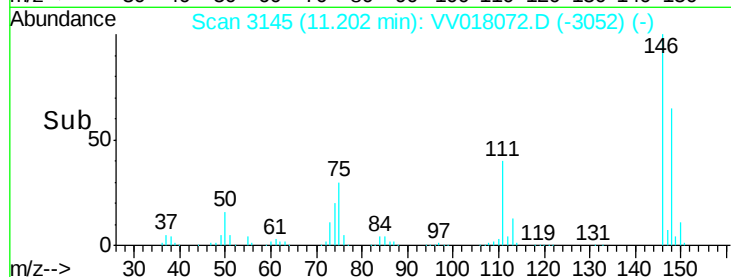
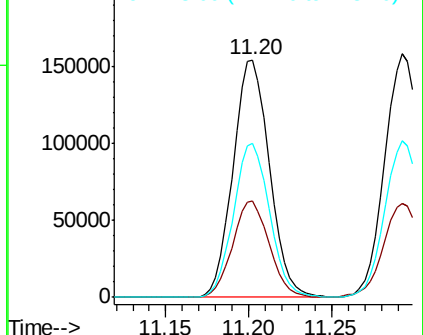
148 64.9 44.9 83.5



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: 46.595 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. -0.00 min

Lab File: VV018072.D

Acq: 21 Aug 2020 10:02

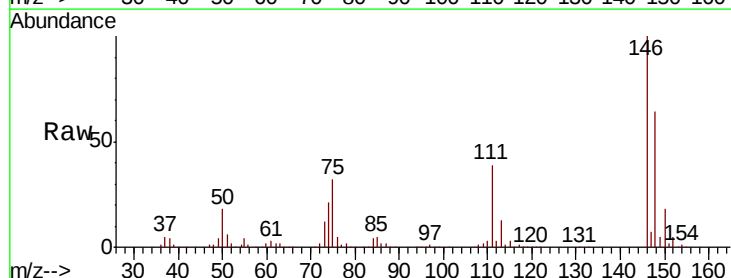
Tgt Ion:146 Resp: 244147

Ion Ratio Lower Upper

146 100

111 38.8 28.0 52.0

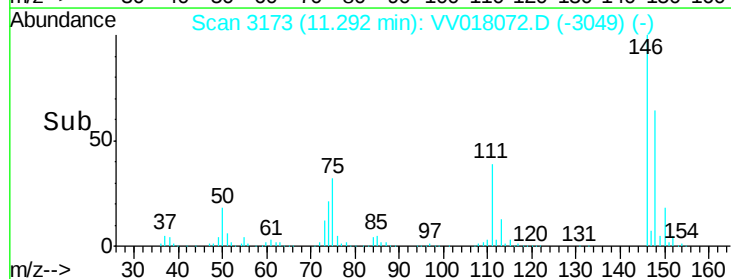
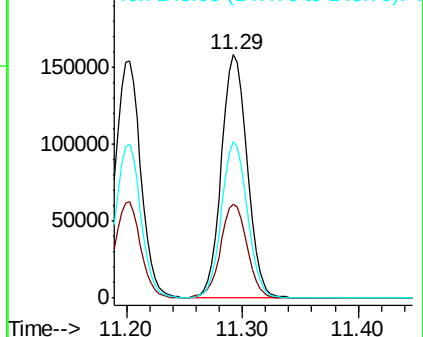
148 64.2 44.2 82.2

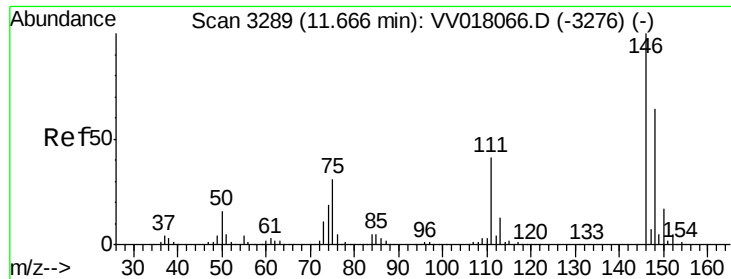


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 45.462 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. -0.00 min

Lab File: VV018072.D

Acq: 21 Aug 2020 10:02

Instrument :

MSVOA_V

ClientSampleId :

VSTD05079

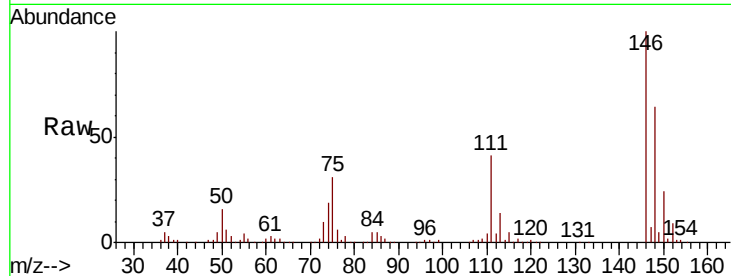
Tot Ion:146 Resp: 238675

Ion Ratio Lower Upper

146 100

111 41.3 34.2 51.4

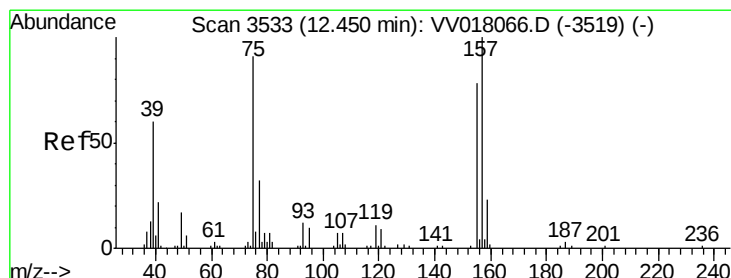
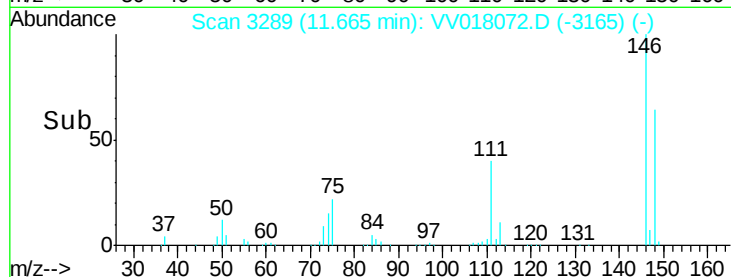
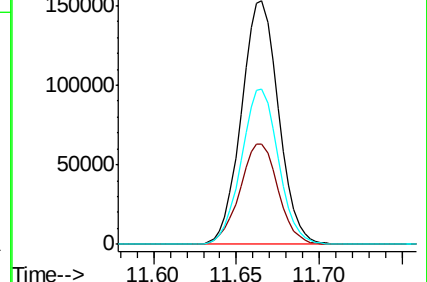
148 63.8 50.6 76.0



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 41.606 ug/L

RT: 12.45 min Scan# 3533

Delta R.T. -0.00 min

Lab File: VV018072.D

Acq: 21 Aug 2020 10:02

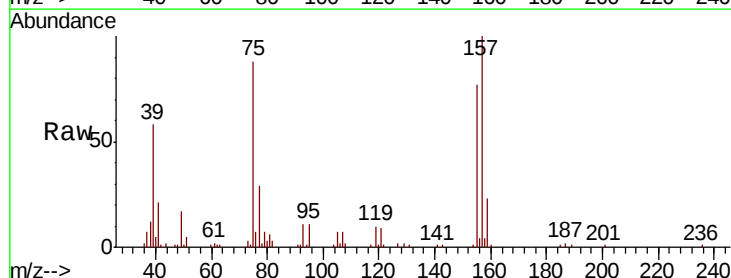
Tgt Ion: 75 Resp: 32183

Ion Ratio Lower Upper

75 100

155 88.3 67.6 101.4

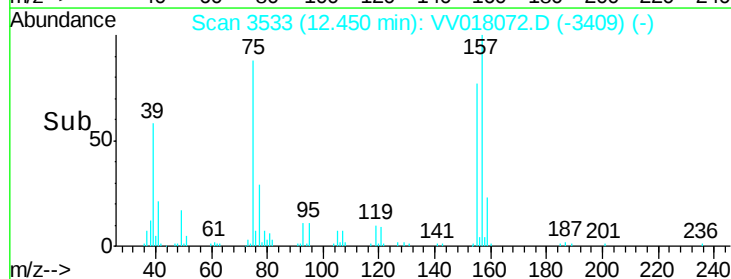
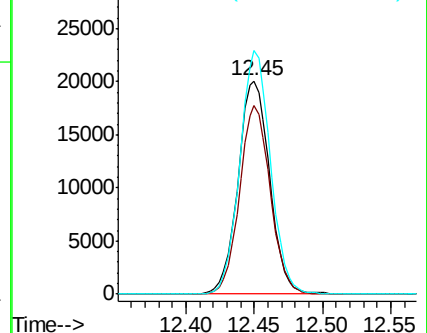
157 114.2 84.3 126.5

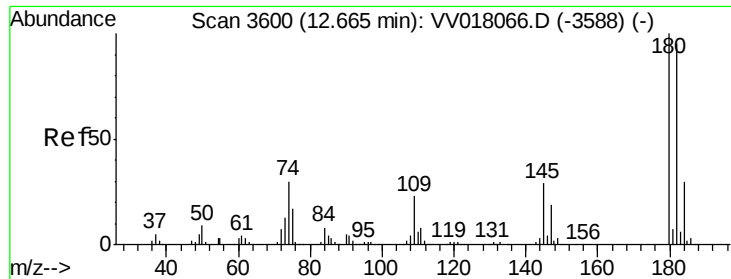


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

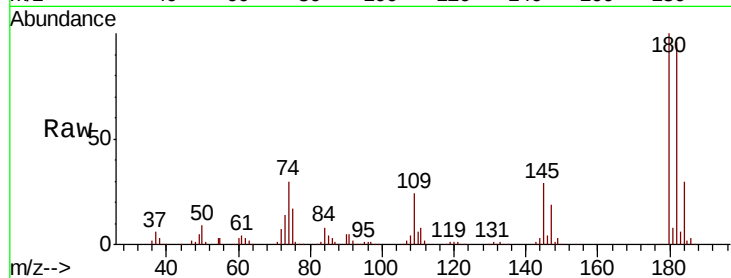




#67
 1,3,5-Trichlorobenzene
 Concen: 49.380 ug/L
 RT: 12.67 min Scan# 3600
 Delta R.T. -0.00 min
 Lab File: VV018072.D
 Acq: 21 Aug 2020 10:02

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05079

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.2	77.2	115.8
184	30.1	24.6	36.8
145	28.4	23.5	35.3



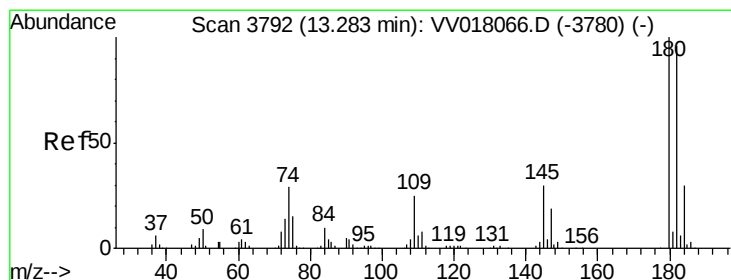
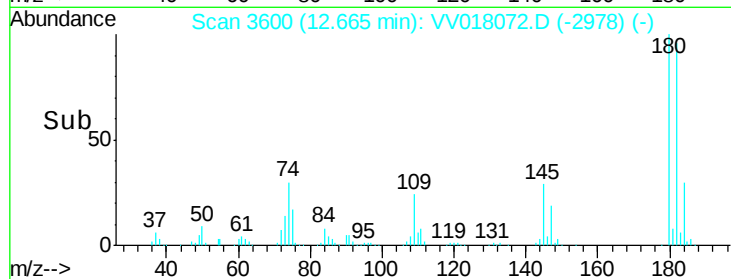
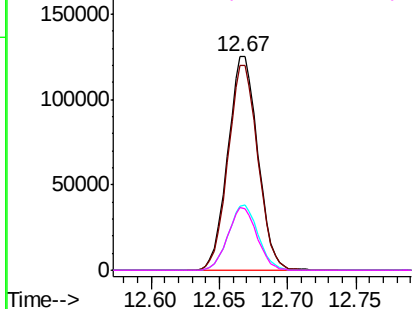
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

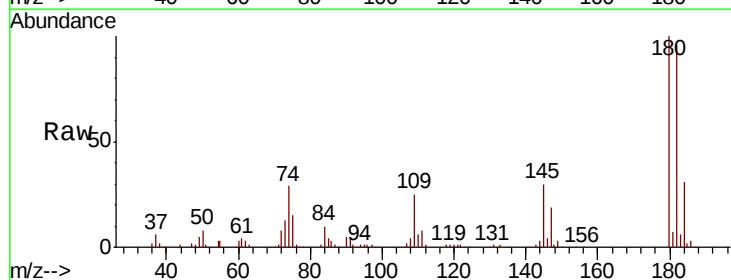
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 51.241 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. -0.00 min
 Lab File: VV018072.D
 Acq: 21 Aug 2020 10:02

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.0	76.4	114.6
145	29.6	24.0	36.0

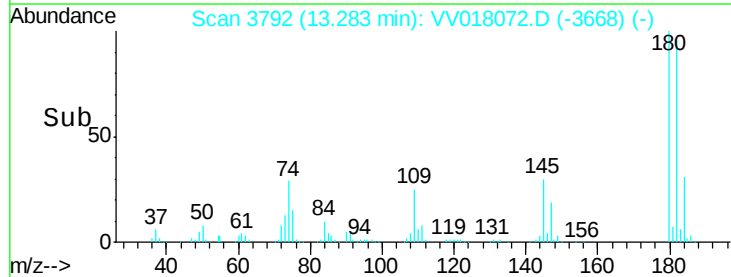
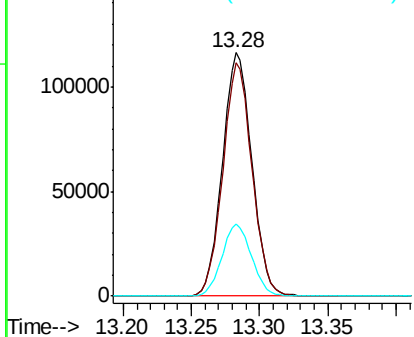


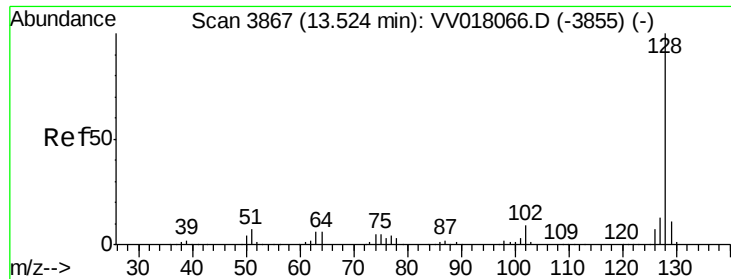
Abundance

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: 47.074 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. -0.00 min

Lab File: VV018072.D

Acq: 21 Aug 2020 10:02

Instrument :

MSVOA_V

ClientSampleId :

VSTD05079

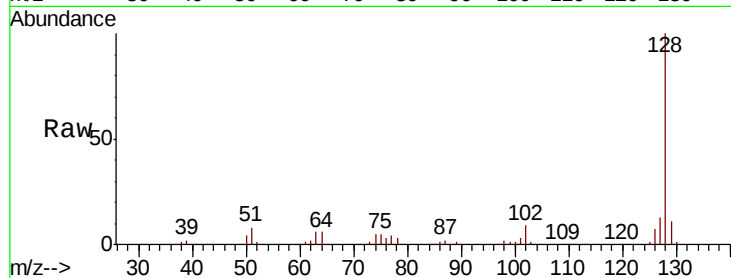
Tot Ion:128 Resp: 442004

Ion Ratio Lower Upper

128 100

127 13.1 10.6 15.8

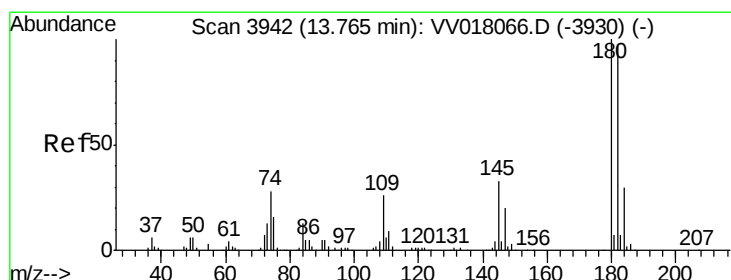
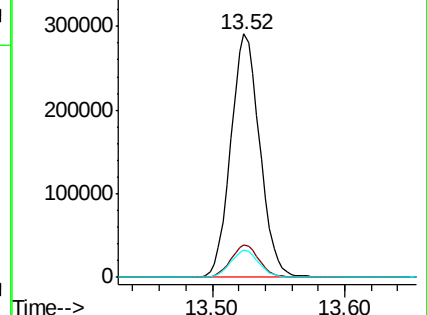
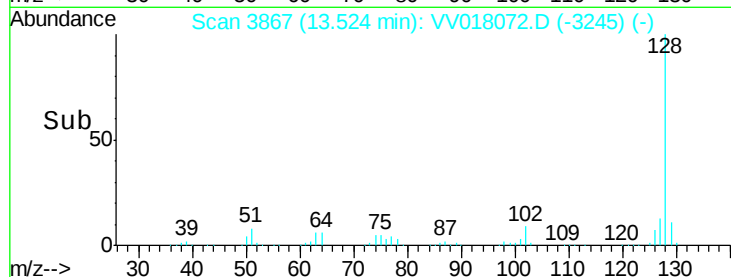
129 10.9 8.7 13.1



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: 50.022 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. 0.00 min

Lab File: VV018072.D

Acq: 21 Aug 2020 10:02

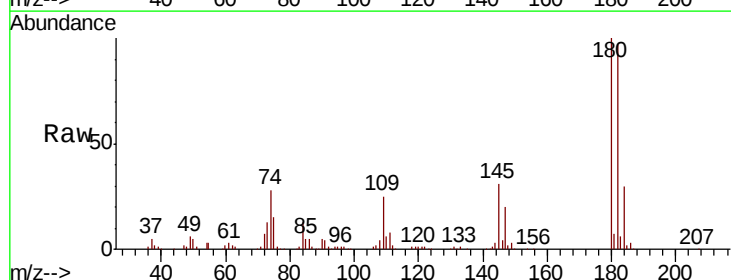
Tgt Ion:180 Resp: 173293

Ion Ratio Lower Upper

180 100

182 95.4 76.5 114.7

145 31.1 26.0 39.0



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

