

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV081920\
 Data File : VV018056.D
 Acq On : 19 Aug 2020 09:55
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05075

Quant Time: Aug 20 04:30:38 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM081120WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Aug 20 01:57:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	272091	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	270999	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	150030	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	77415	37.29	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	74.58%
7) Chloroethane-d5	1.58	69	69985	41.21	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	82.42%
11) 1,1-Dichloroethene-d2	2.12	63	166389	41.90	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	83.80%
21) 2-Butanone-d5	3.90	46	120490	88.61	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	88.61%
24) Chloroform-d	4.37	84	167788	44.40	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.80%
26) 1,2-Dichloroethane-d4	5.05	65	109137	44.46	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.92%
32) Benzene-d6	5.07	84	312278	41.81	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	83.62%
36) 1,2-Dichloropropane-d6	6.09	67	102490	41.97	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	83.94%
41) Toluene-d8	7.33	98	284192	42.31	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	84.62%
43) trans-1,3-Dichloropropene-	7.64	79	51212	46.24	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.48%
47) 2-Hexanone-d5	8.11	63	66742	85.18	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	85.18%
57) 1,1,2,2-Tetrachloroethane-	10.23	84	139442	43.86	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	87.72%
64) 1,2-Dichlorobenzene-d4	11.65	152	125493	42.50	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	85.00%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	93285	44.408	ug/L 99
3) Chloromethane	1.25	50	107225	43.941	ug/L 98
5) Vinyl chloride	1.32	62	109594	45.330	ug/L 99
6) Bromomethane	1.53	94	63242	43.767	ug/L 97
8) Chloroethane	1.60	64	70950	45.978	ug/L 100
9) Trichlorofluoromethane	1.76	101	159587	46.209	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	93554	48.516	ug/L 98
12) 1,1-Dichloroethene	2.13	96	86651	47.476	ug/L 90
13) Acetone	2.19	43	125454	89.328	ug/L 100
14) Carbon disulfide	2.31	76	236905	47.160	ug/L 100
15) Methyl Acetate	2.44	43	98736	43.564	ug/L 100
16) Methylene chloride	2.52	84	101422	43.618	ug/L 99
17) trans-1,2-Dichloroethene	2.78	96	89446	47.675	ug/L 99
18) Methyl tert-butyl Ether	2.78	73	294014	47.385	ug/L 99
19) 1,1-Dichloroethane	3.21	63	179705	47.635	ug/L 99
20) cis-1,2-Dichloroethene	3.94	96	98602	47.825	ug/L 99
22) 2-Butanone	3.99	43	148386	94.181	ug/L 99

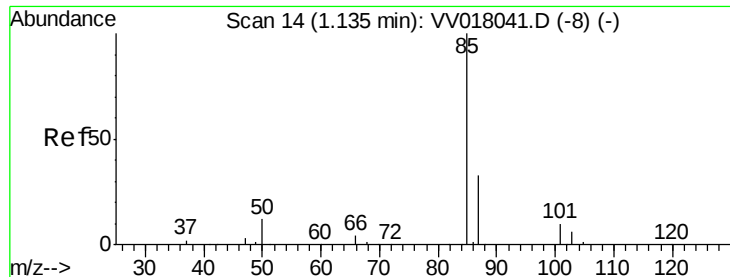
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV081920\
 Data File : VV018056.D
 Acq On : 19 Aug 2020 09:55
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 Quant Title : VOC Analysis
 QLast Update : Thu Aug 20 01:57:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.27	128	52040	48.317	uq/L	98
25) Chloroform	4.40	83	185458	48.198	uq/L	100
27) 1,2-Dichloroethane	5.15	62	145925	47.646	uq/L	98
29) Cyclohexane	4.70	56	150005	45.862	uq/L	100
30) 1,1,1-Trichloroethane	4.63	97	157093	47.304	uq/L	99
31) Carbon tetrachloride	4.85	117	132914	48.077	uq/L	99
33) Benzene	5.12	78	387619	46.232	uq/L	100
34) Trichloroethene	5.94	95	103709	46.796	uq/L	99
35) Methylcyclohexane	6.15	83	153947	46.715	uq/L	99
37) 1,2-Dichloropropane	6.20	63	105845	46.291	uq/L	100
38) Bromodichloromethane	6.53	83	136192	47.954	uq/L	99
39) cis-1,3-Dichloropropene	7.05	75	157407	48.562	uq/L	98
40) 4-Methyl-2-pentanone	7.24	43	264690	88.554	uq/L	99
42) Toluene	7.41	91	419509	47.950	uq/L	100
44) trans-1,3-Dichloropropene	7.67	75	153973	50.065	uq/L	99
45) 1,1,2-Trichloroethane	7.86	97	99100	46.801	uq/L	98
46) Tetrachloroethene	8.00	164	78963	48.582	uq/L	99
48) 2-Hexanone	8.16	43	212346	88.099	uq/L	100
49) Dibromochloromethane	8.27	129	104384	50.505	uq/L	98
50) 1,2-Dibromoethane	8.37	107	102183	46.642	uq/L	98
51) Chlorobenzene	8.90	112	268005	47.630	uq/L	98
52) Ethylbenzene	9.03	91	457299	47.938	uq/L	100
53) m,p-Xylene	9.16	106	171489	48.877	uq/L	98
54) o-xylene	9.56	106	165287	47.671	uq/L	98
55) Styrene	9.58	104	301692	50.810	uq/L	100
56) Isopropylbenzene	9.95	105	445839	48.742	uq/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	146294	44.367	uq/L	99
59) 1,2,3-Trichloropropane	10.29	75	125732	44.525	uq/L	100
61) Bromoform	9.75	173	71604	50.440	uq/L	99
62) 1,3-Dichlorobenzene	11.20	146	224626	47.083	uq/L	99
63) 1,4-Dichlorobenzene	11.29	146	229585	46.844	uq/L	99
65) 1,2-Dichlorobenzene	11.67	146	226030	46.030	uq/L	98
66) 1,2-Dibromo-3-chloropropan	12.45	75	30950	42.778	uq/L	97
67) 1,3,5-Trichlorobenzene	12.67	180	176577	48.722	uq/L	99
68) 1,2,4-trichlorobenzene	13.28	180	158937	49.881	uq/L	99
69) Naphthalene	13.52	128	416208	47.391	uq/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	160786	49.620	uq/L	100

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



#2

Dichlorodifluoromethane

Concen: 44.408 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

Lab File: VV018056.D

Acq: 19 Aug 2020 09:55

Instrument :

MSVOA_V

ClientSampleId :

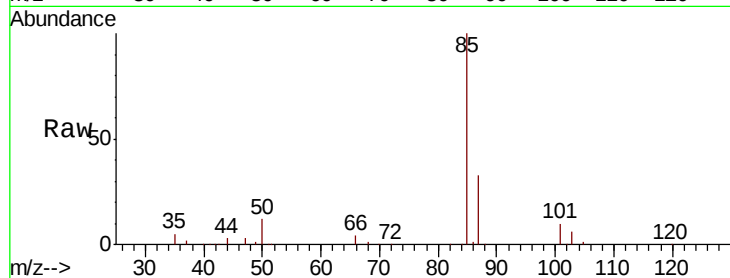
VSTD05075

Tot Ion: 85 Resp: 93285

Ion Ratio Lower Upper

85 100

87 32.7 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VV018041.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VV018041.D (-8) (-)

1.14

100000

80000

60000

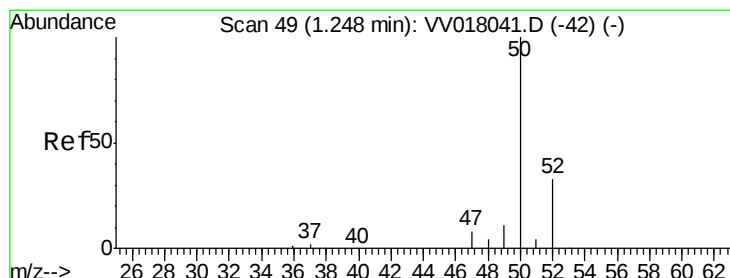
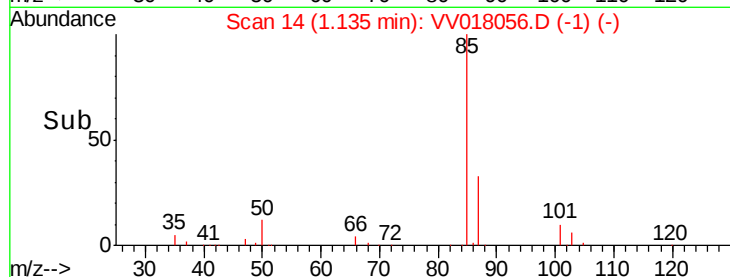
40000

20000

0

1.10 1.15 1.20

Time-->



#3

Chloromethane

Concen: 43.941 ug/L

RT: 1.25 min Scan# 49

Delta R.T. 0.00 min

Lab File: VV018056.D

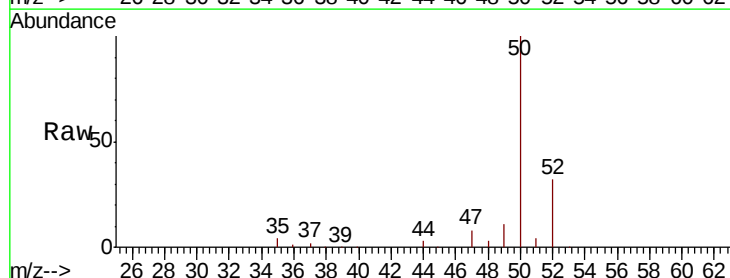
Acq: 19 Aug 2020 09:55

Tgt Ion: 50 Resp: 107225

Ion Ratio Lower Upper

50 100

52 32.1 23.2 43.2



Abundance Ion 50.00 (49.70 to 50.70): VV018041.D (-42) (-)

Ion 52.00 (51.70 to 52.70): VV018041.D (-42) (-)

1.25

120000

100000

80000

60000

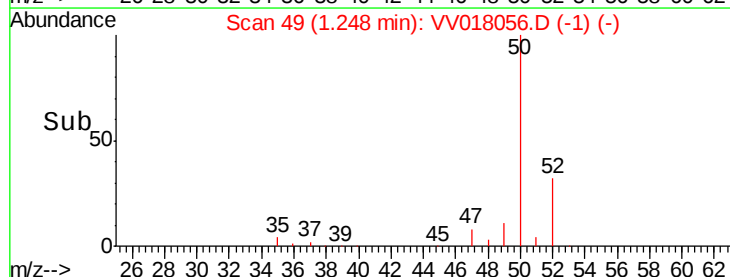
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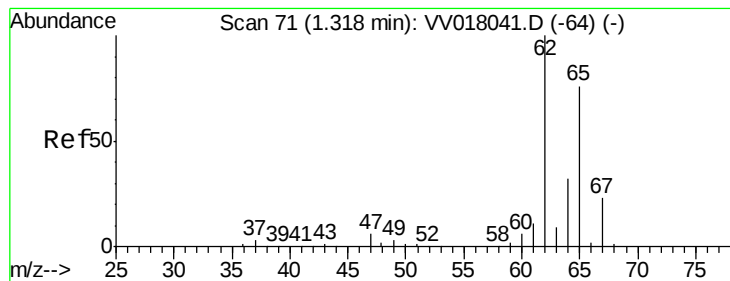
20000

0

1.20 1.25 1.30

Time-->





#5

Vinyl chloride

Concen: 45.330 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV018056.D

Acq: 19 Aug 2020 09:55

Instrument :

MSVOA_V

ClientSampleId :

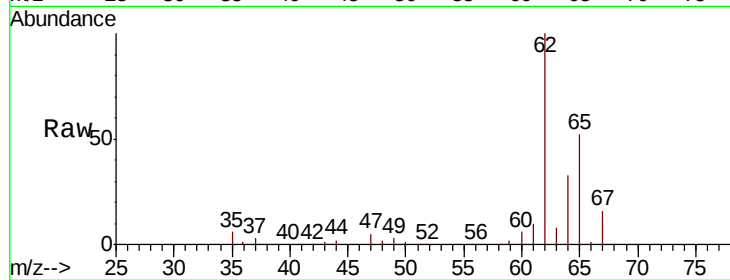
VSTD05075

Tot Ion: 62 Resp: 109594

Ion Ratio Lower Upper

62 100

64 32.8 22.4 41.6



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0

1.32

120000

100000

80000

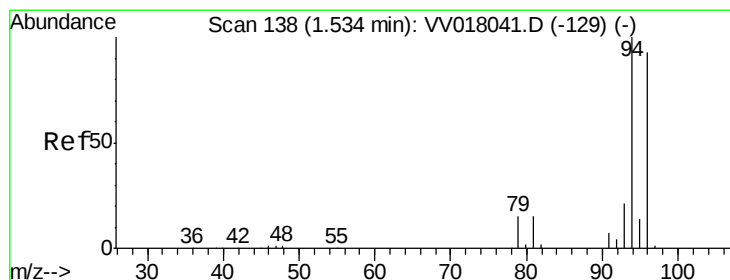
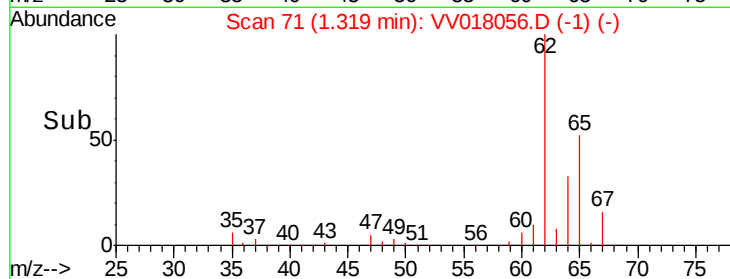
60000

40000

20000

0

Time--> 1.25 1.30 1.35 1.40



#6

Bromomethane

Concen: 43.767 ug/L

RT: 1.53 min Scan# 137

Delta R.T. -0.00 min

Lab File: VV018056.D

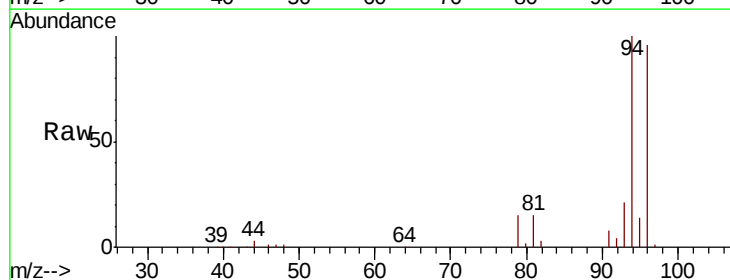
Acq: 19 Aug 2020 09:55

Tgt Ion: 94 Resp: 63242

Ion Ratio Lower Upper

94 100

96 96.1 65.5 121.7



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

1.53

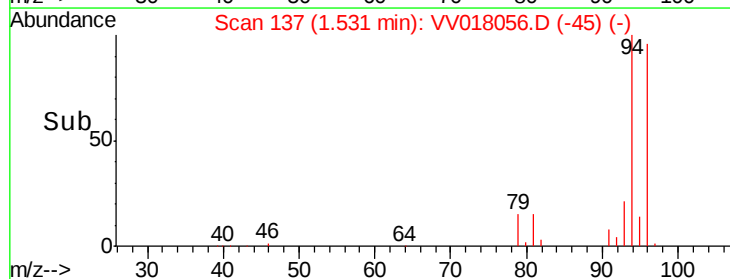
60000

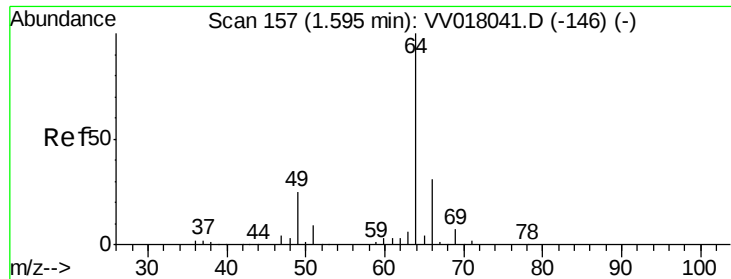
40000

20000

0

Time--> 1.50 1.55 1.60





#8

Chloroethane

Concen: 45.978 ug/L

RT: 1.60 min Scan# 157

Delta R.T. 0.00 min

Lab File: VV018056.D

Acq: 19 Aug 2020 09:55

Instrument :

MSVOA_V

ClientSampleId :

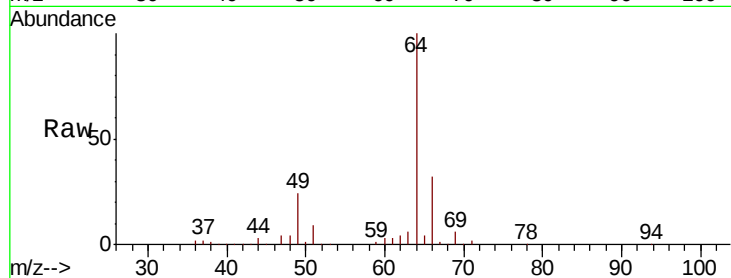
VSTD05075

Tot Ion: 64 Resp: 70950

Ion Ratio Lower Upper

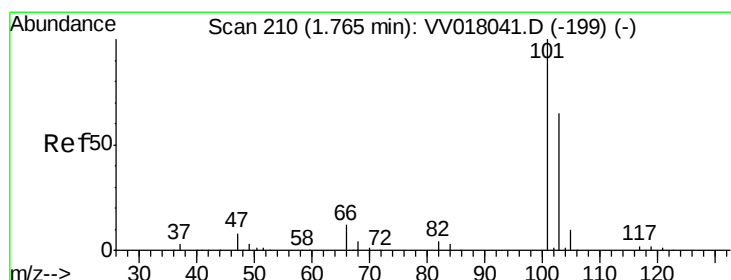
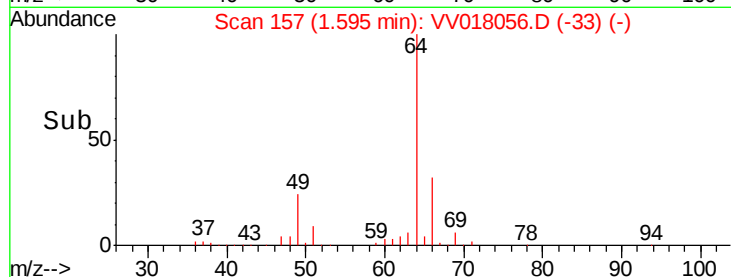
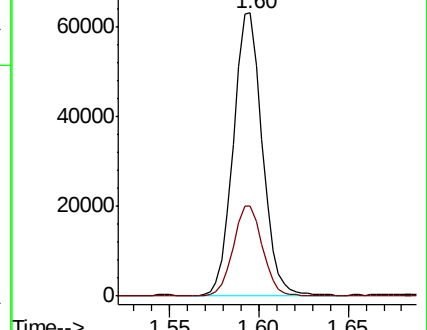
64 100

66 31.8 22.3 41.3



Abundance Ion 64.00 (63.70 to 64.70): VV018041.D (-146) (-)

Ion 66.00 (65.70 to 66.70): VV018041.D (-146) (-)



#9

Trichlorofluoromethane

Concen: 46.209 ug/L

RT: 1.76 min Scan# 209

Delta R.T. -0.00 min

Lab File: VV018056.D

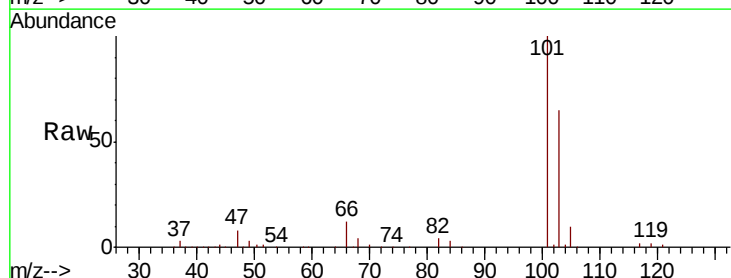
Acq: 19 Aug 2020 09:55

Tgt Ion:101 Resp: 159587

Ion Ratio Lower Upper

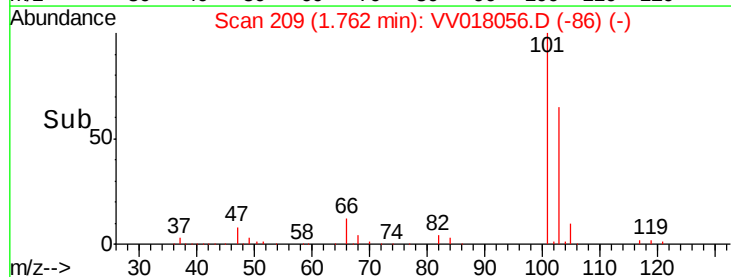
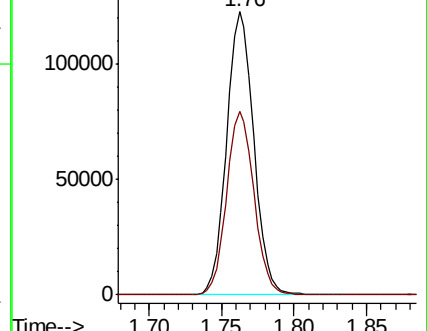
101 100

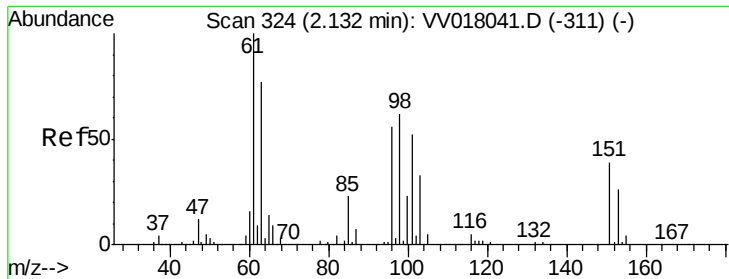
103 65.3 51.5 77.3



Abundance Ion 101.00 (100.70 to 101.70): VV018041.D (-199) (-)

Ion 103.00 (102.70 to 103.70): VV018041.D (-199) (-)





#10

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

Concen: 48.516 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV018056.D

Acq: 19 Aug 2020 09:55

Instrument :

MSVOA_V

ClientSampleId :

VSTD05075

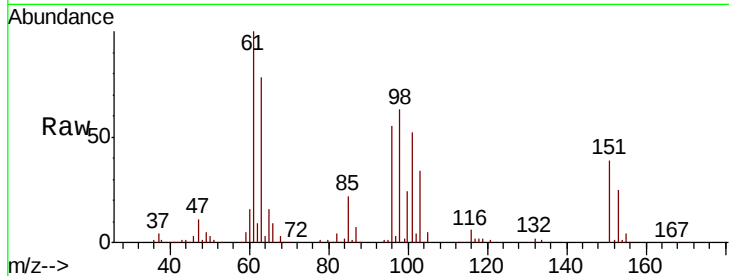
Tot Ion:101 Resp: 93554

Ion Ratio Lower Upper

101 100

85 43.2 34.9 52.3

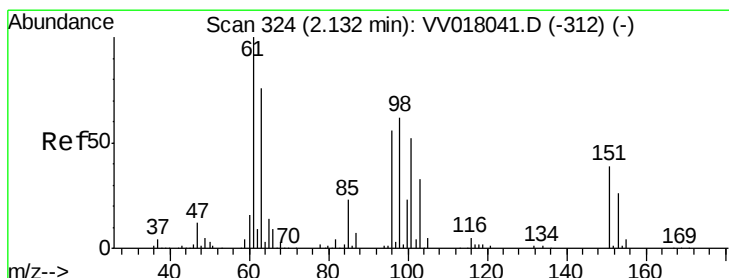
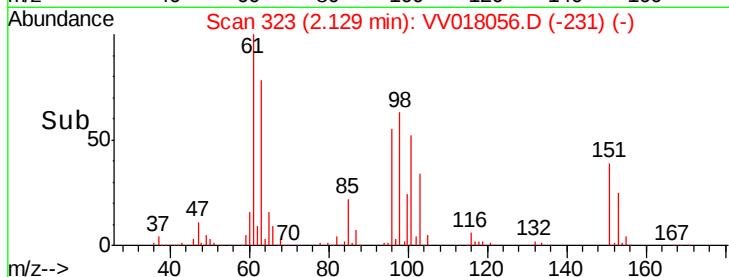
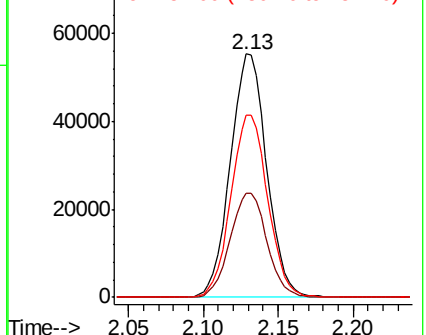
151 75.7 59.1 88.7



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: 47.476 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV018056.D

Acq: 19 Aug 2020 09:55

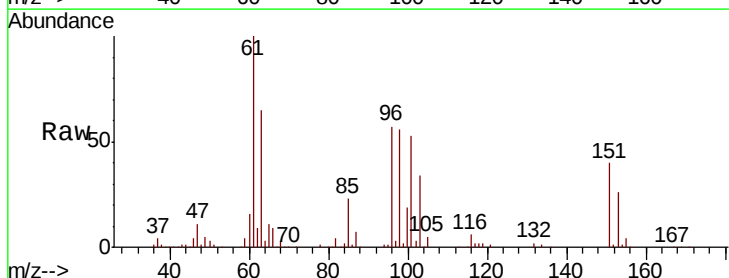
Tgt Ion: 96 Resp: 86651

Ion Ratio Lower Upper

96 100

61 176.9 127.1 236.0

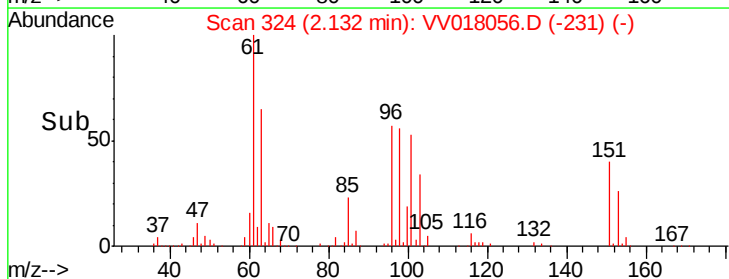
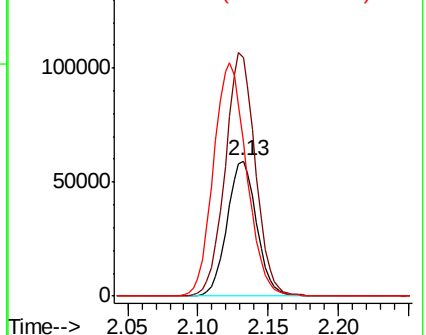
63 114.3 95.2 176.8

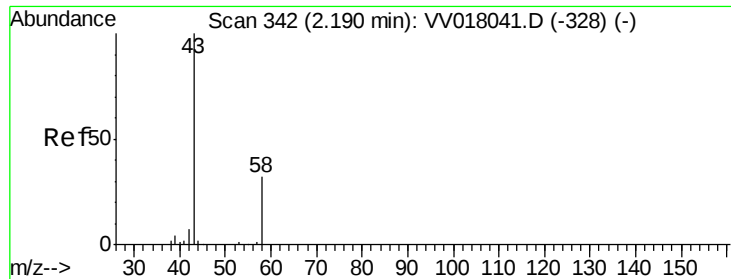


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 89.328 ug/L

RT: 2.19 min Scan# 341

Delta R.T. -0.00 min

Lab File: VV018056.D

Acq: 19 Aug 2020 09:55

Instrument :

MSVOA_V

ClientSampleId :

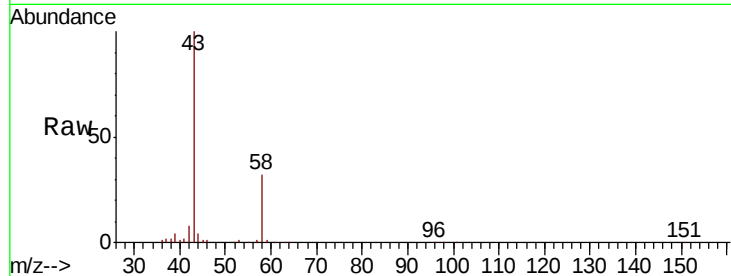
VSTD05075

Tot Ion: 43 Resp: 125454

Ion Ratio Lower Upper

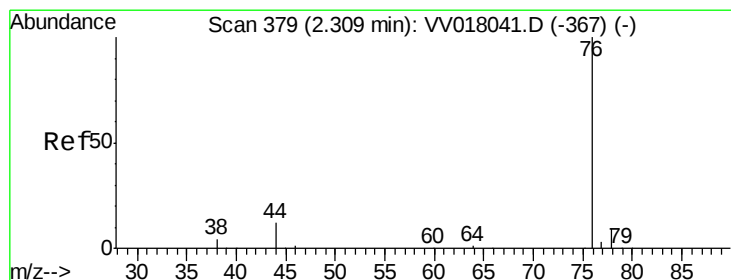
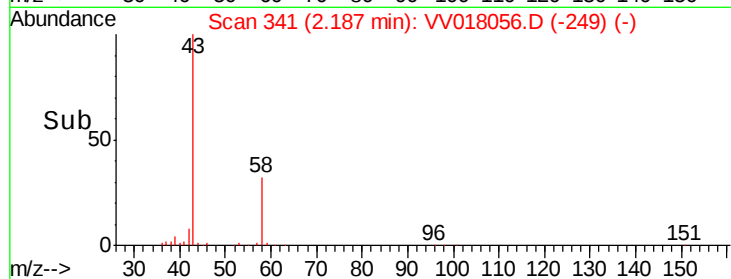
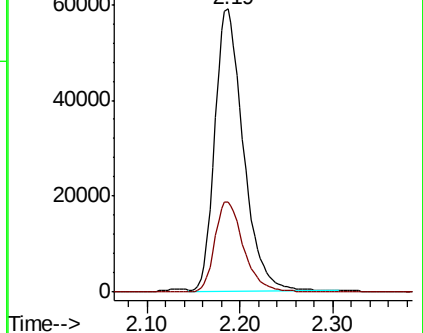
43 100

58 32.0 0.0 63.6



Abundance Ion 43.00 (42.70 to 43.70): VV018041.D (-328) (-)

Ion 58.00 (57.70 to 58.70): VV018041.D (-328) (-)



#14

Carbon disulfide

Concen: 47.160 ug/L

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VV018056.D

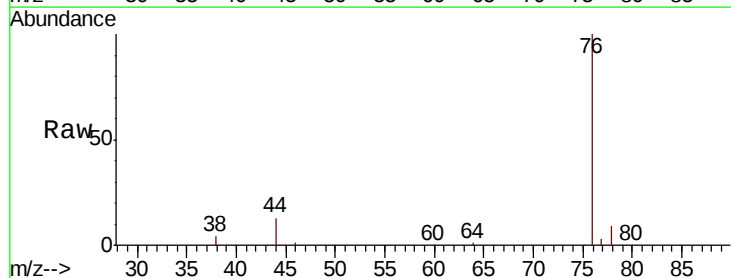
Acq: 19 Aug 2020 09:55

Tgt Ion: 76 Resp: 236905

Ion Ratio Lower Upper

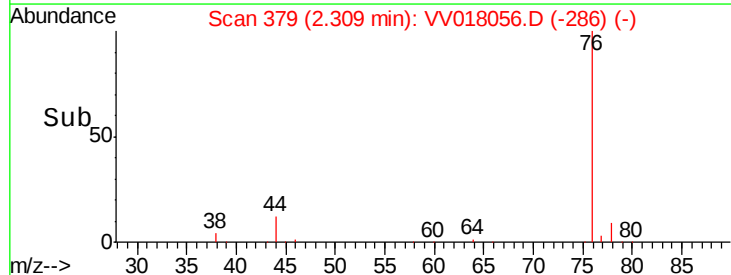
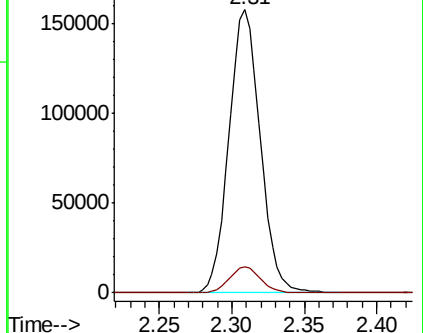
76 100

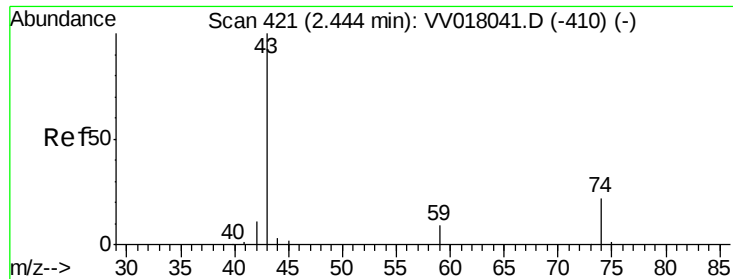
78 9.2 7.4 11.2



Abundance Ion 76.00 (75.70 to 76.70): VV018041.D (-367) (-)

Ion 78.00 (77.70 to 78.70): VV018041.D (-367) (-)

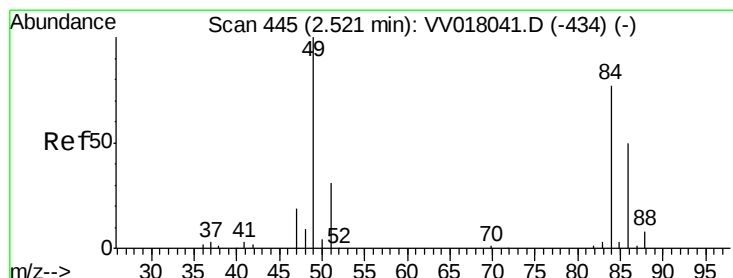
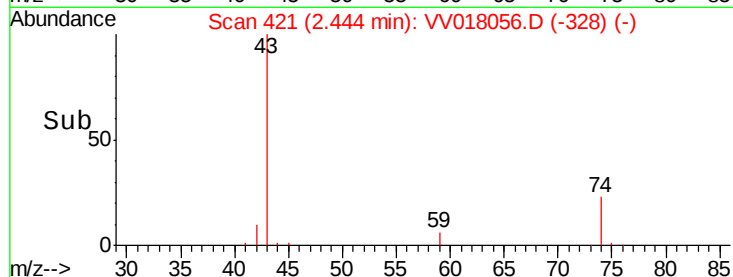
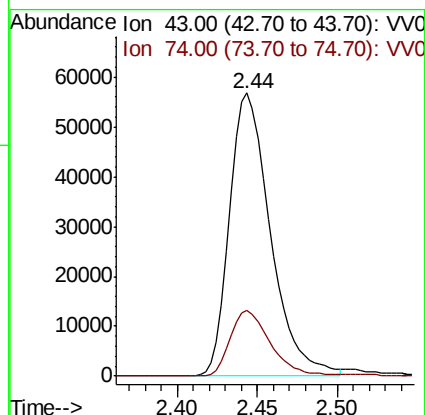
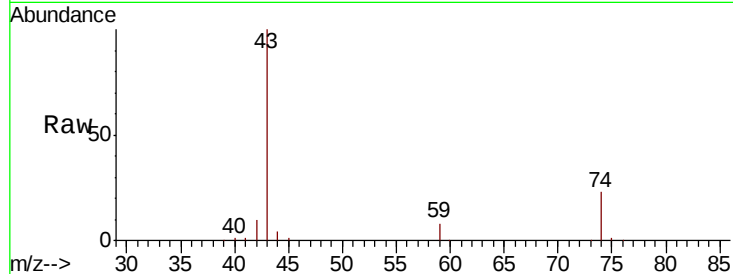




#15
Methvl Acetate
Concen: 43.564 ug/L
RT: 2.44 min Scan# 421
Delta R.T. 0.00 min
Lab File: VV018056.D
Acq: 19 Aug 2020 09:55

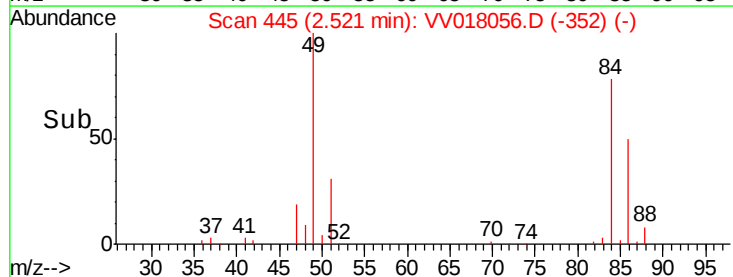
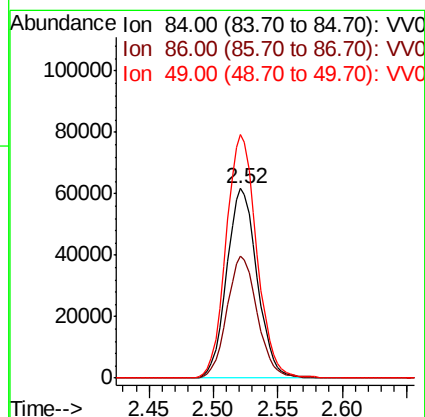
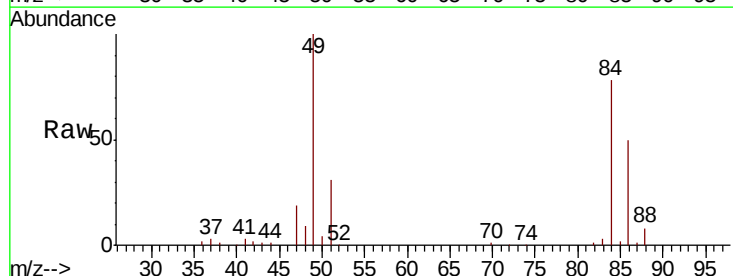
Instrument :
MSVOA_V
ClientSampleId :
VSTD05075

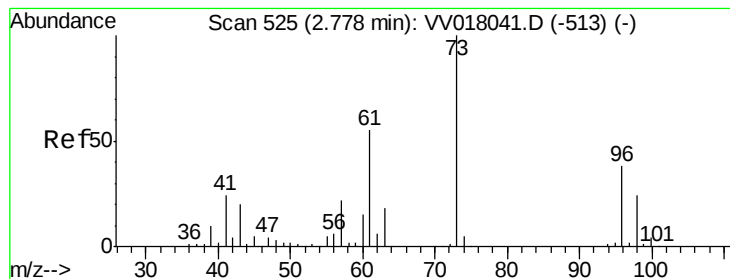
Tot Ion: 43 Resp: 98736
Ion Ratio Lower Upper
43 100
74 23.1 18.4 27.6



#16
Methylene chloride
Concen: 43.618 ug/L
RT: 2.52 min Scan# 445
Delta R.T. 0.00 min
Lab File: VV018056.D
Acq: 19 Aug 2020 09:55

Tgt Ion: 84 Resp: 101422
Ion Ratio Lower Upper
84 100
86 64.2 46.3 85.9
49 128.5 89.7 166.5





#17

trans-1,2-Dichloroethene

Concen: 47.675 ug/L

RT: 2.78 min Scan# 524

Delta R.T. -0.00 min

Lab File: VV018056.D

Acq: 19 Aug 2020 09:55

Instrument :

MSVOA_V

ClientSampleId :

VSTD05075

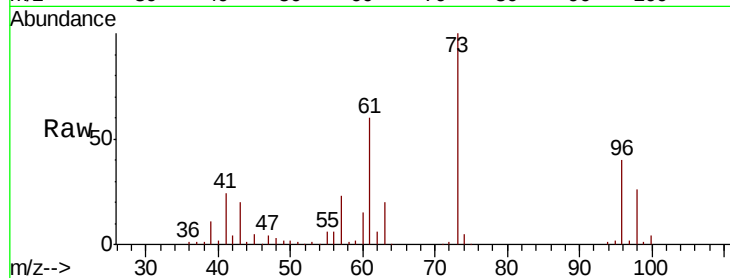
Tot Ion: 96 Resp: 89446

Ion Ratio Lower Upper

96 100

61 148.5 102.4 190.2

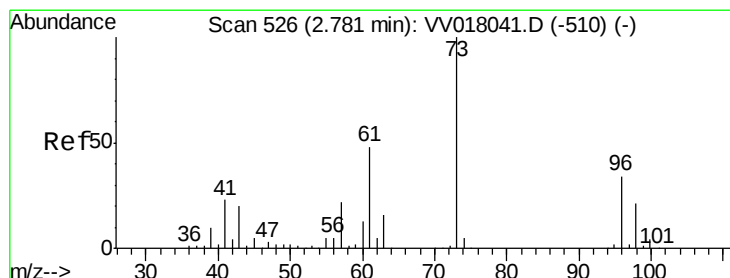
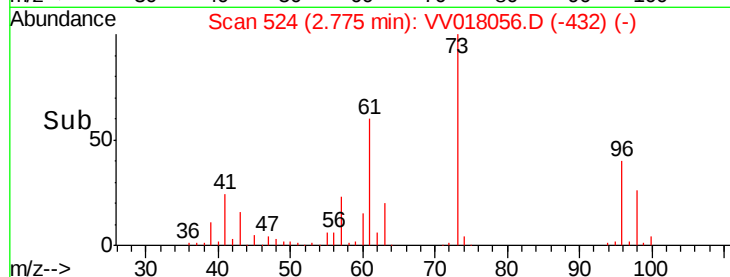
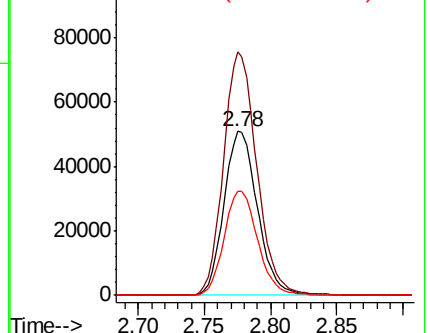
98 63.8 44.4 82.5



Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 98.00 (97.70 to 98.70): VV0



#18

Methyl tert-butyl Ether

Concen: 47.385 ug/L

RT: 2.78 min Scan# 526

Delta R.T. 0.00 min

Lab File: VV018056.D

Acq: 19 Aug 2020 09:55

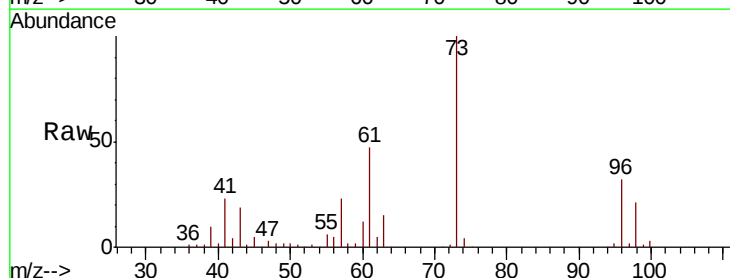
Tgt Ion: 73 Resp: 294014

Ion Ratio Lower Upper

73 100

43 19.5 15.9 23.9

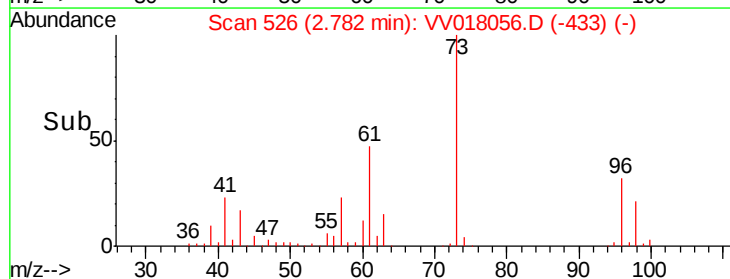
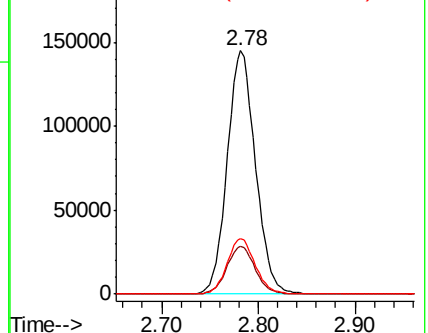
57 22.8 18.1 27.1

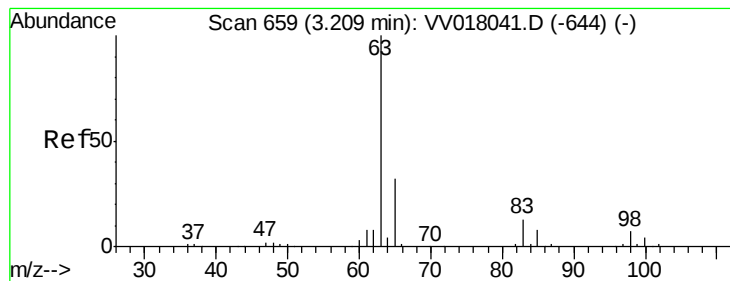


Abundance Ion 73.00 (72.70 to 73.70): VV0

Ion 43.00 (42.70 to 43.70): VV0

Ion 57.00 (56.70 to 57.70): VV0





#19

1,1-Dichloroethane

Concen: 47.635 ug/L

RT: 3.21 min Scan# 659

Delta R.T. 0.00 min

Lab File: VV018056.D

Acq: 19 Aug 2020 09:55

Instrument :

MSVOA_V

ClientSampled :

VSTD05075

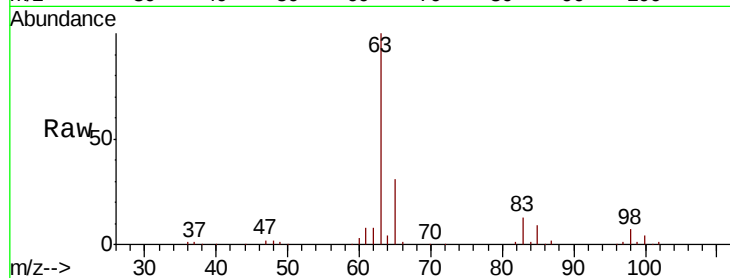
Tot Ion: 63 Resp: 179705

Ion Ratio Lower Upper

63 100

65 31.1 22.5 41.7

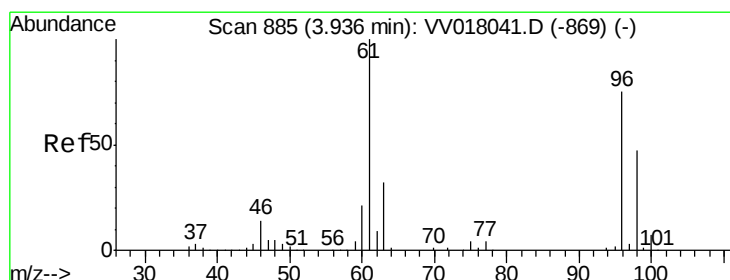
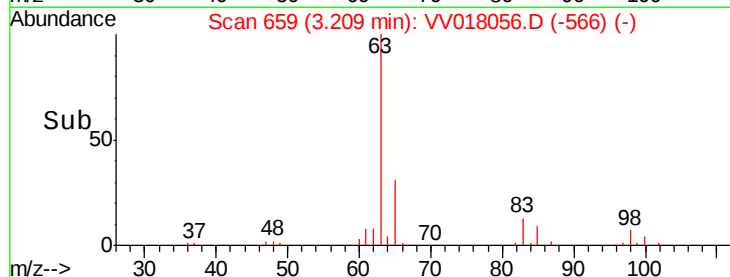
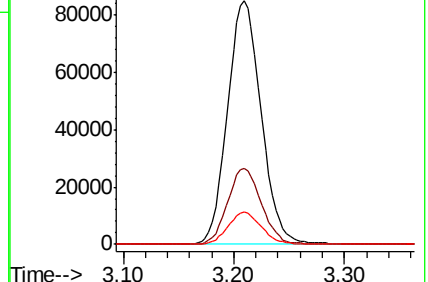
83 13.3 9.2 17.2



Abundance Ion 63.00 (62.70 to 63.70): VV018041.D (-644) (-)

Ion 65.00 (64.70 to 65.70): VV018041.D (-644) (-)

Ion 83.00 (82.70 to 83.70): VV018041.D (-644) (-)



#20

cis-1,2-Dichloroethene

Concen: 47.825 ug/L

RT: 3.94 min Scan# 885

Delta R.T. 0.00 min

Lab File: VV018056.D

Acq: 19 Aug 2020 09:55

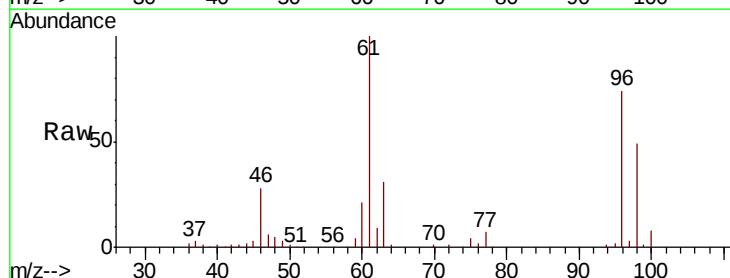
Tgt Ion: 96 Resp: 98602

Ion Ratio Lower Upper

96 100

61 134.5 95.0 176.4

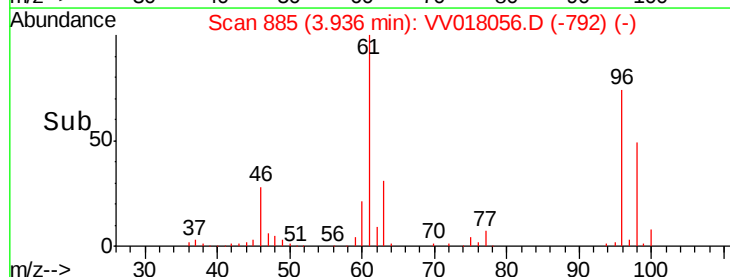
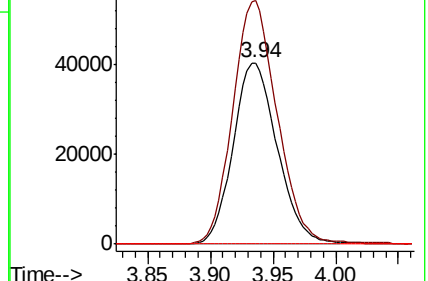
68 0.0 0.0 0.0

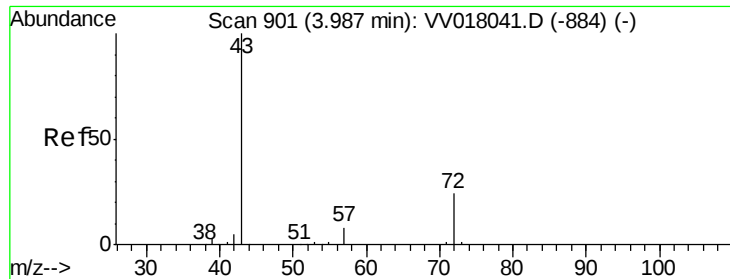


Abundance Ion 96.00 (95.70 to 96.70): VV018041.D (-869) (-)

Ion 61.00 (60.70 to 61.70): VV018041.D (-869) (-)

Ion 68.00 (67.70 to 68.70): VV018041.D (-869) (-)





#22

2-Butanone

Concen: 94.181 ug/L

RT: 3.99 min Scan# 901

Delta R.T. 0.00 min

Lab File: VV018056.D

Acq: 19 Aug 2020 09:55

Instrument :

MSVOA_V

ClientSampleId :

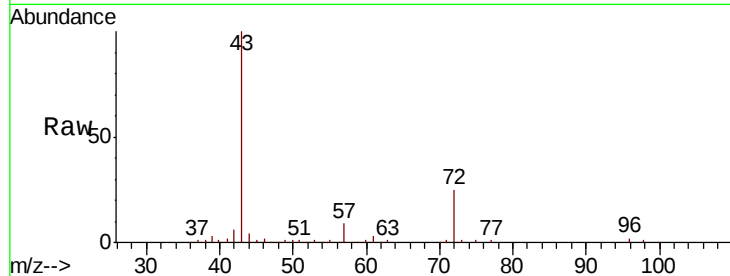
VSTD05075

Tot Ion: 43 Resp: 148386

Ion Ratio Lower Upper

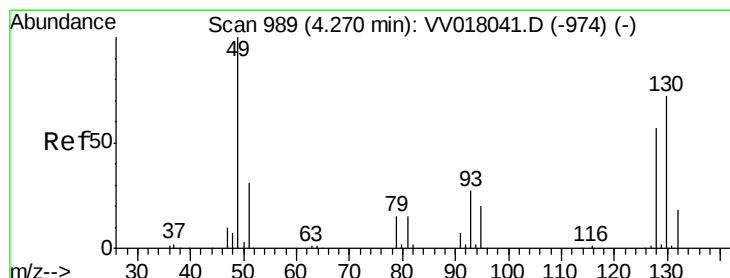
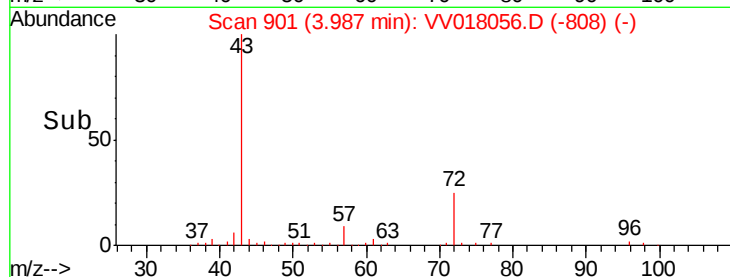
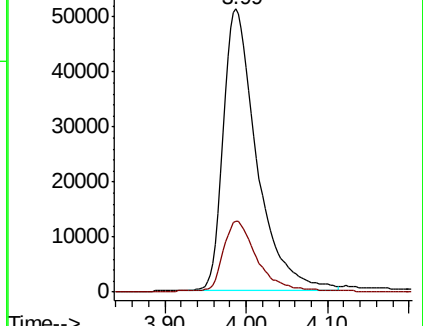
43 100

72 24.7 12.7 38.0



Abundance Ion 43.00 (42.70 to 43.70): VV018056.D (-808) (-)

Ion 72.00 (71.70 to 72.70): VV018056.D (-808) (-)



#23

Bromochloromethane

Concen: 48.317 ug/L

RT: 4.27 min Scan# 989

Delta R.T. 0.00 min

Lab File: VV018056.D

Acq: 19 Aug 2020 09:55

Tgt Ion: 128 Resp: 52040

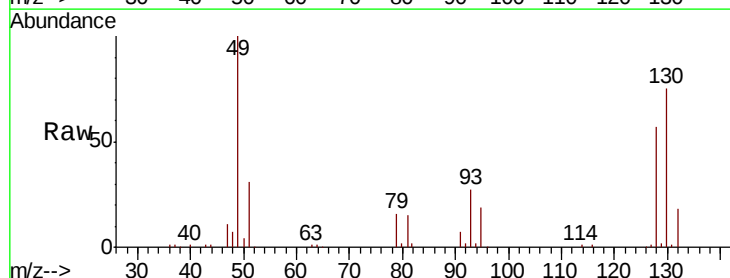
Ion Ratio Lower Upper

128 100

49 176.7 125.6 233.3

130 132.3 89.9 167.0

51 55.6 45.8 68.6

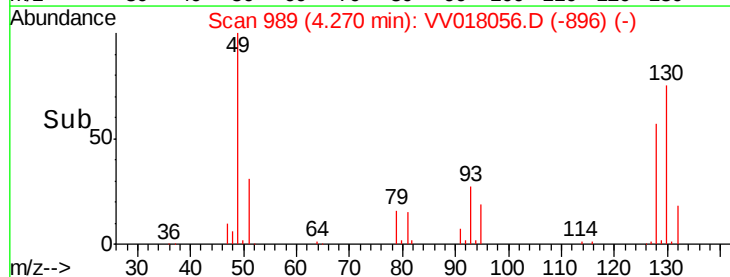
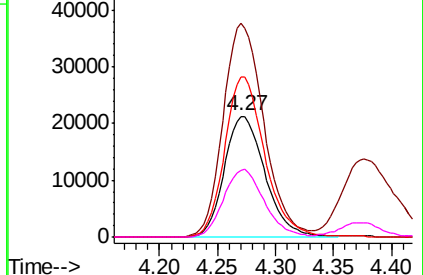


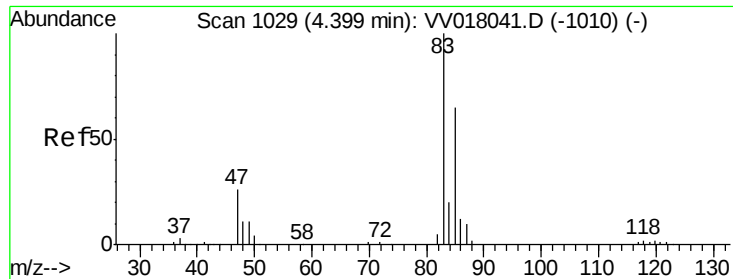
Abundance Ion 128.00 (127.70 to 128.70): VV018056.D (-896) (-)

Ion 49.00 (48.70 to 49.70): VV018056.D (-896) (-)

Ion 130.00 (129.70 to 130.70): VV018056.D (-896) (-)

Ion 51.00 (50.70 to 51.70): VV018056.D (-896) (-)

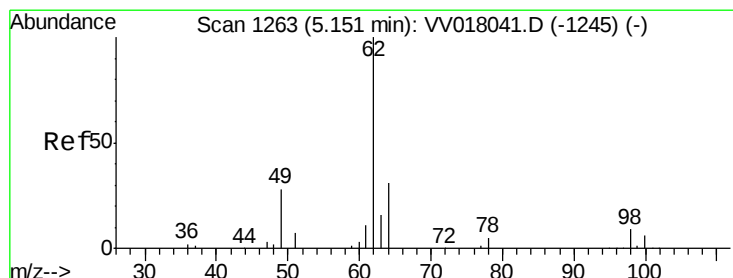
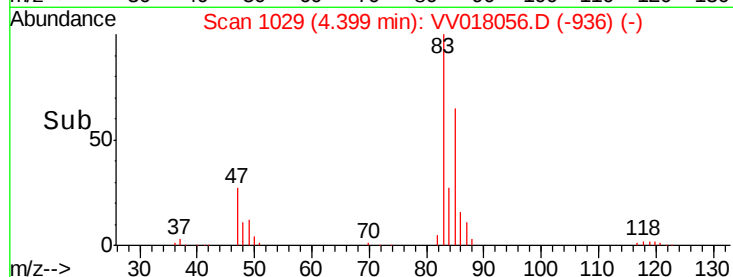
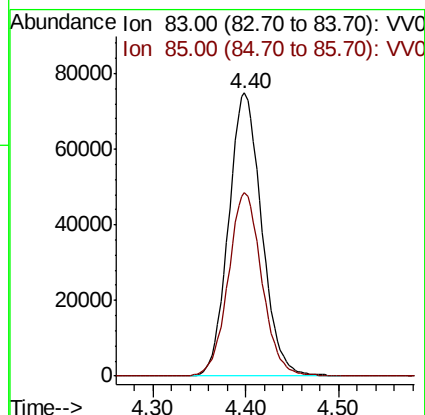
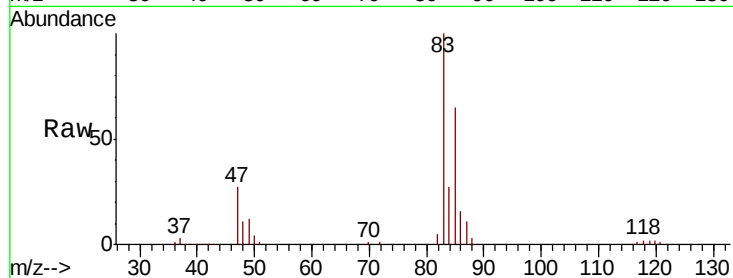




#25
Chloroform
Concen: 48.198 ug/L
RT: 4.40 min Scan# 1029
Delta R.T. 0.00 min
Lab File: VV018056.D
Acq: 19 Aug 2020 09:55

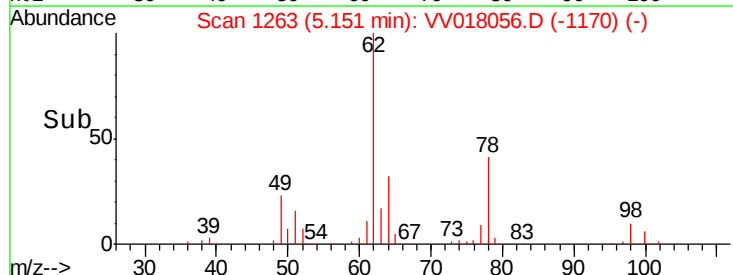
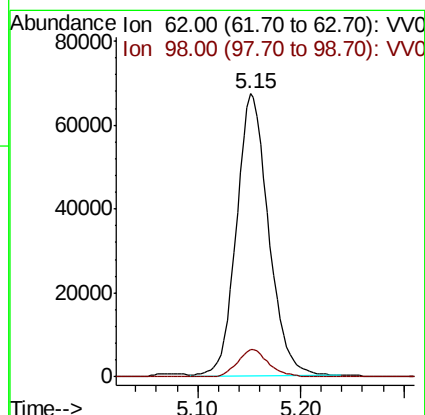
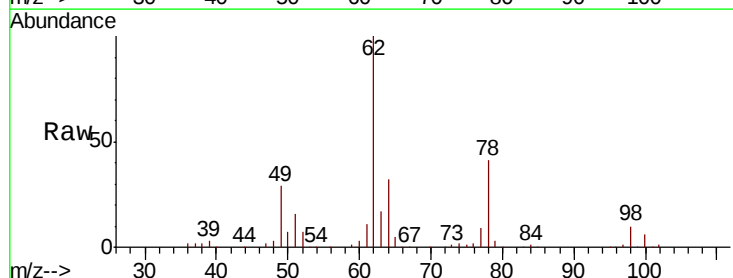
Instrument :
MSVOA_V
ClientSampleId :
VSTD05075

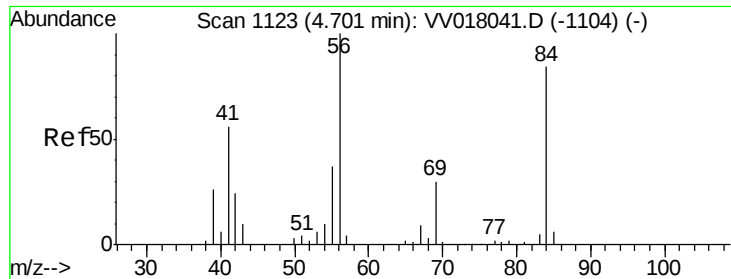
Tot Ion: 83 Resp: 185458
Ion Ratio Lower Upper
83 100
85 64.7 45.5 84.5



#27
1,2-Dichloroethane
Concen: 47.646 ug/L
RT: 5.15 min Scan# 1263
Delta R.T. 0.00 min
Lab File: VV018056.D
Acq: 19 Aug 2020 09:55

Tgt Ion: 62 Resp: 145925
Ion Ratio Lower Upper
62 100
98 9.6 7.1 10.7

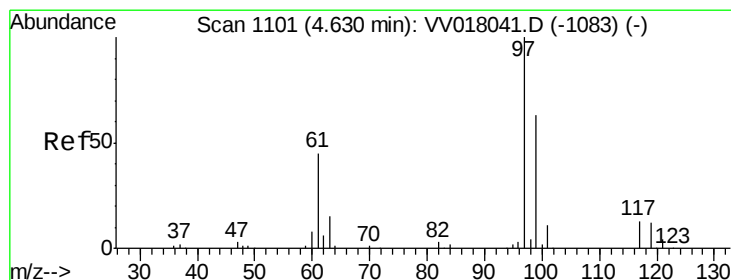
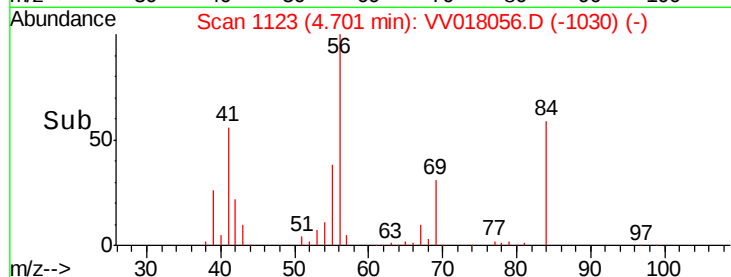
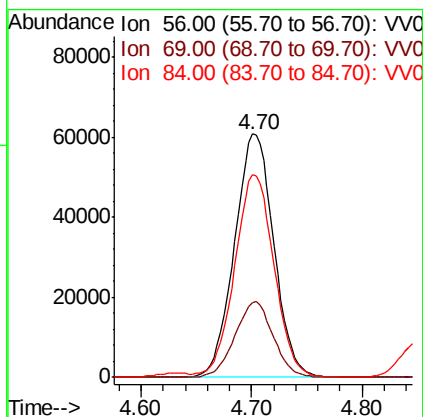
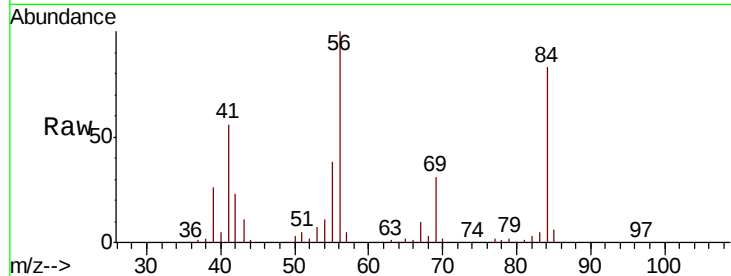




#29
Cyclohexane
Concen: 45.862 ug/L
RT: 4.70 min Scan# 1123
Delta R.T. 0.00 min
Lab File: VV018056.D
Acq: 19 Aug 2020 09:55

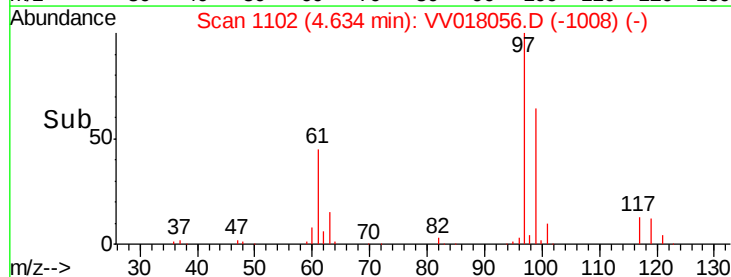
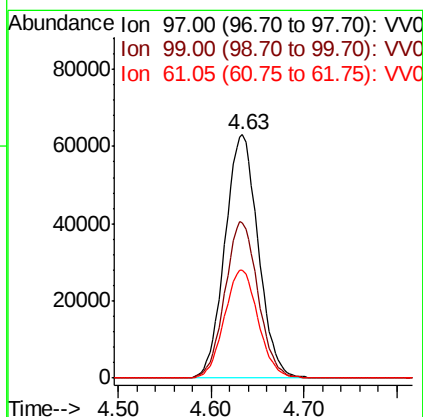
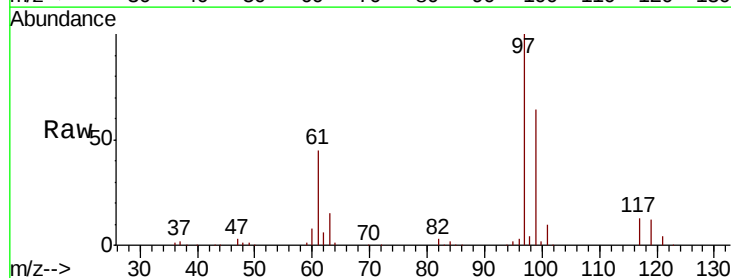
Instrument :
MSVOA_V
ClientSampleId :
VSTD05075

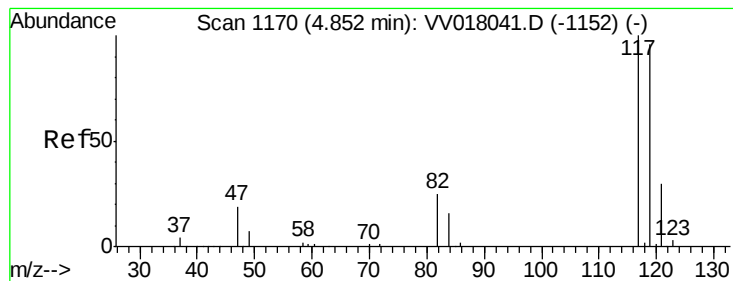
Tot Ion: 56 Resp: 150005
Ion Ratio Lower Upper
56 100
69 30.3 23.8 35.8
84 83.6 66.8 100.2



#30
1,1,1-Trichloroethane
Concen: 47.304 ug/L
RT: 4.63 min Scan# 1102
Delta R.T. 0.00 min
Lab File: VV018056.D
Acq: 19 Aug 2020 09:55

Tgt Ion: 97 Resp: 157093
Ion Ratio Lower Upper
97 100
99 63.8 50.6 76.0
61 45.1 37.0 55.6





#31

Carbon tetrachloride

Concen: 48.077 ug/L

RT: 4.85 min Scan# 1170

Delta R.T. 0.00 min

Lab File: VV018056.D

Acq: 19 Aug 2020 09:55

Instrument :

MSVOA_V

ClientSampleId :

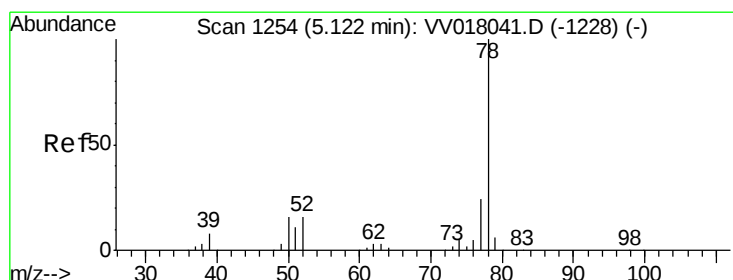
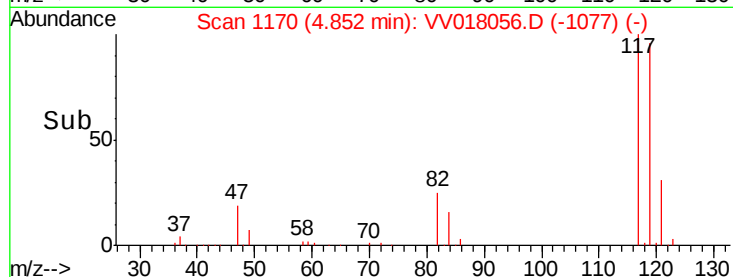
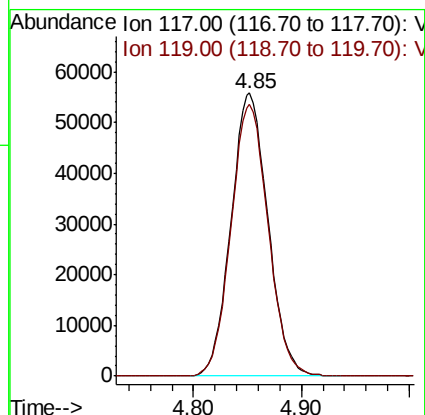
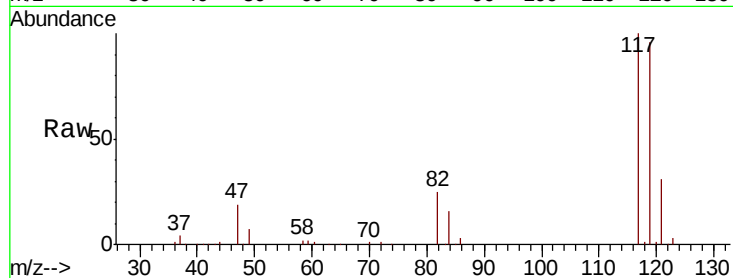
VSTD05075

Tot Ion:117 Resp: 132914

Ion Ratio Lower Upper

117 100

119 96.8 77.0 115.6



#33

Benzene

Concen: 46.232 ug/L

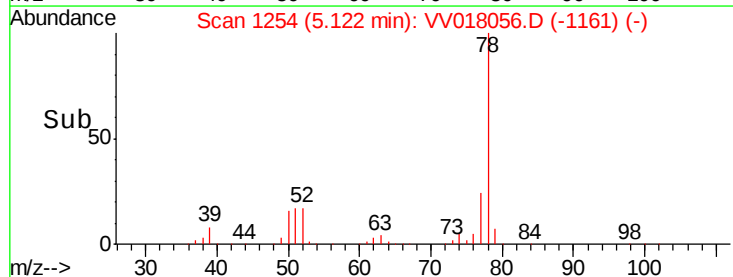
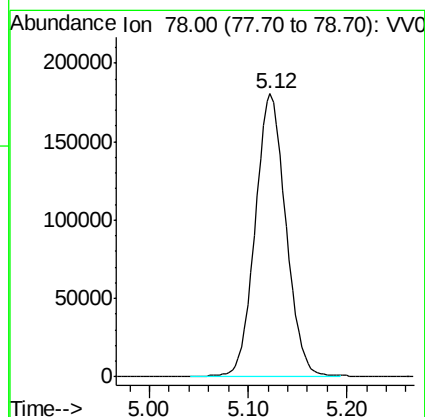
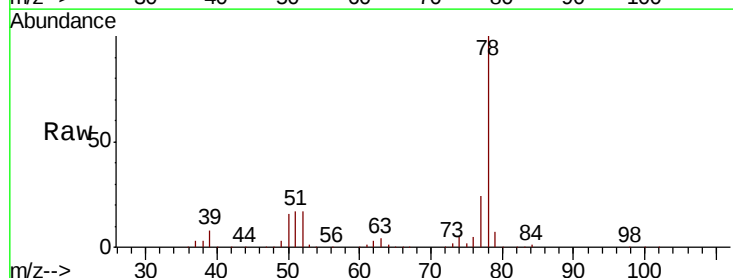
RT: 5.12 min Scan# 1254

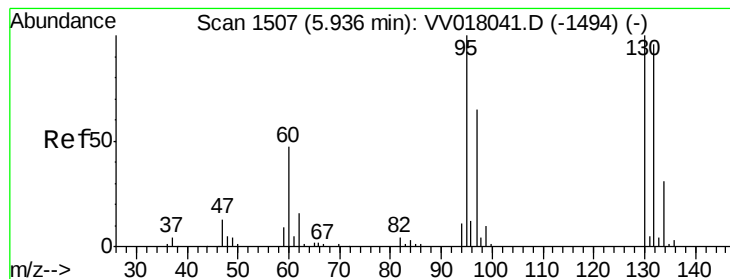
Delta R.T. 0.00 min

Lab File: VV018056.D

Acq: 19 Aug 2020 09:55

Tgt Ion: 78 Resp: 387619





#34

Trichloroethene

Concen: 46.796 ug/L

RT: 5.94 min Scan# 1507

Delta R.T. 0.00 min

Lab File: VV018056.D

Acq: 19 Aug 2020 09:55

Instrument :

MSVOA_V

ClientSampleId :

VSTD05075

Tot Ion: 95 Resp: 103709

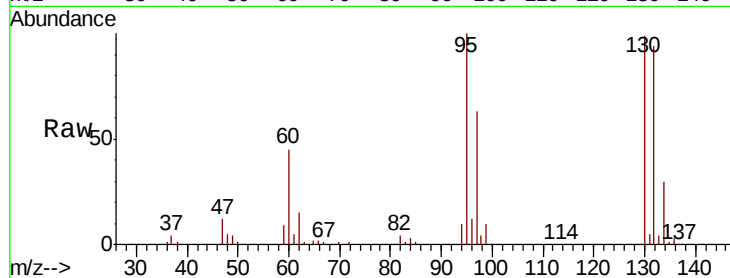
Ion Ratio Lower Upper

95 100

97 63.5 46.0 85.4

132 94.0 65.8 122.2

130 99.5 69.2 128.6

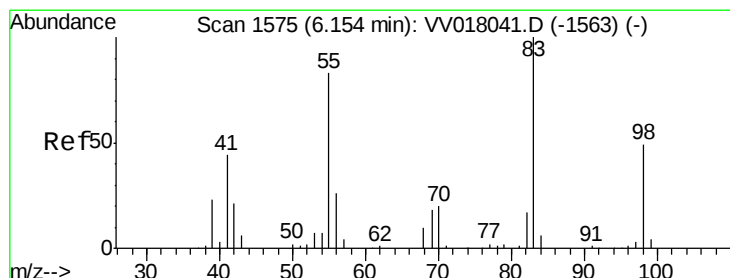
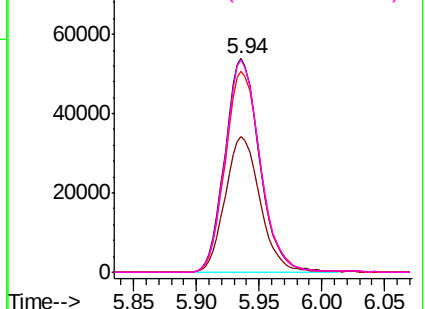
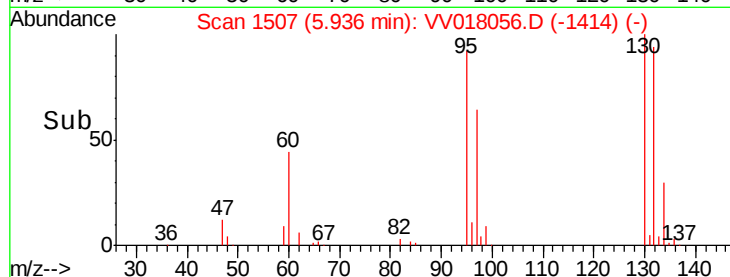


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 46.715 ug/L

RT: 6.15 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VV018056.D

Acq: 19 Aug 2020 09:55

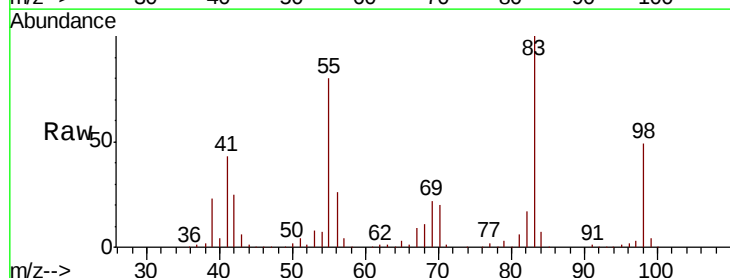
Tgt Ion: 83 Resp: 153947

Ion Ratio Lower Upper

83 100

55 79.9 64.9 97.3

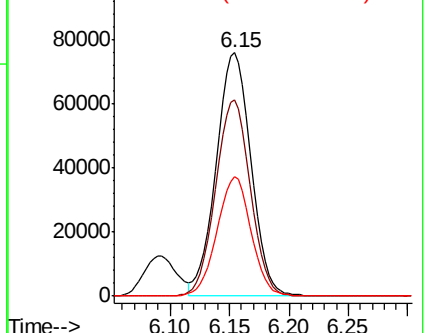
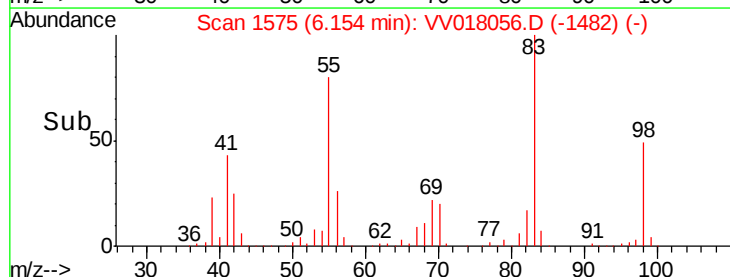
98 48.0 38.7 58.1

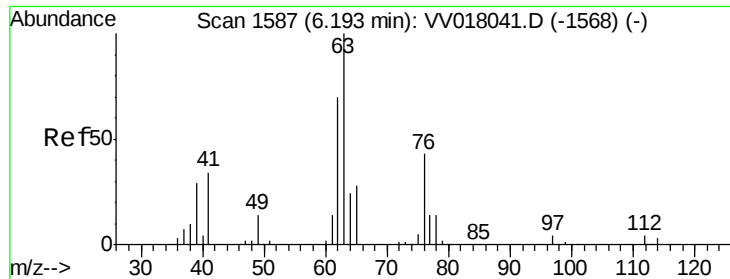


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

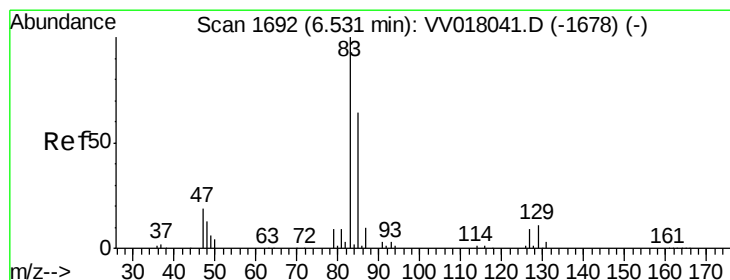
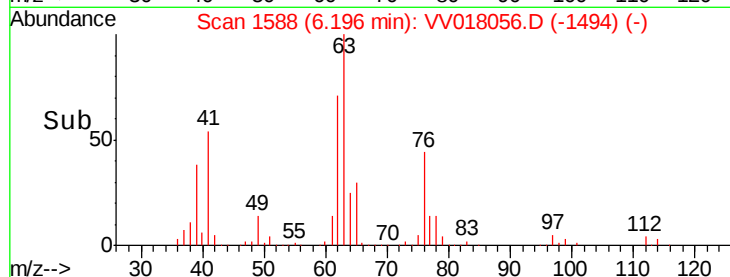
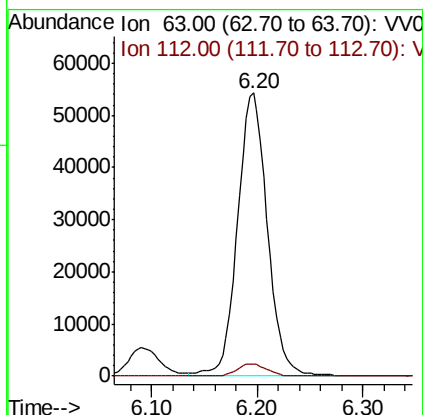
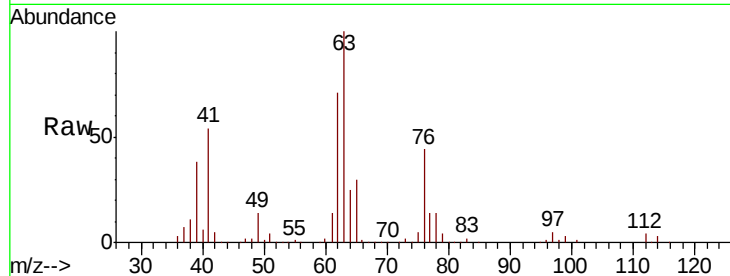




#37
 1,2-Dichloropropane
 Concen: 46.291 ug/L
 RT: 6.20 min Scan# 1588
 Delta R.T. 0.00 min
 Lab File: VV018056.D
 Acq: 19 Aug 2020 09:55

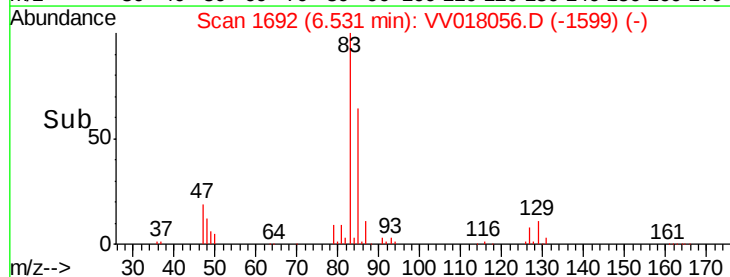
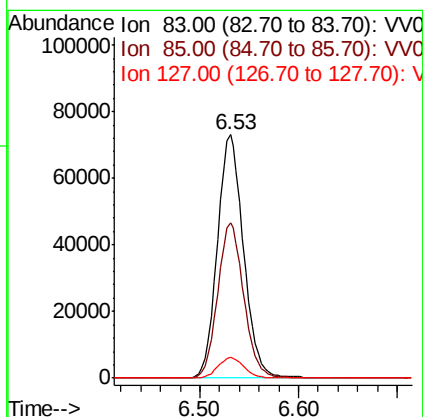
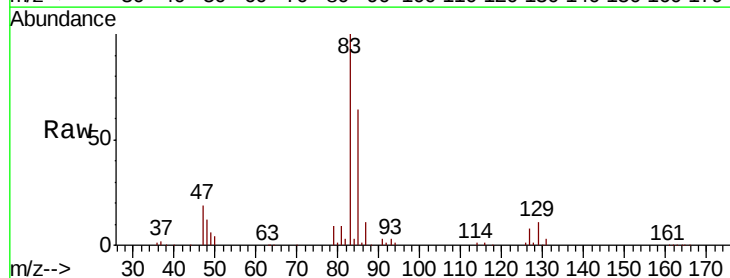
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05075

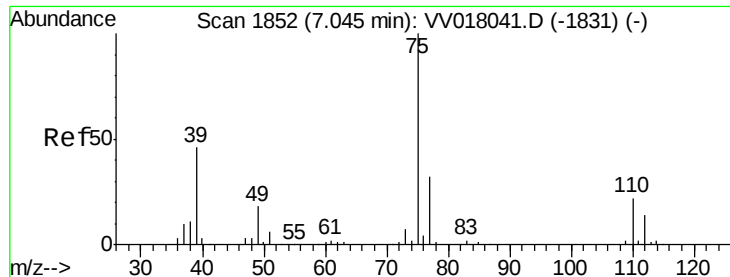
Tot Ion: 63 Resp: 105845
 Ion Ratio Lower Upper
 63 100
 112 4.4 3.5 5.3



#38
 Bromodichloromethane
 Concen: 47.954 ug/L
 RT: 6.53 min Scan# 1692
 Delta R.T. 0.00 min
 Lab File: VV018056.D
 Acq: 19 Aug 2020 09:55

Tgt Ion: 83 Resp: 136192
 Ion Ratio Lower Upper
 83 100
 85 63.9 44.3 82.3
 127 8.3 6.5 9.7

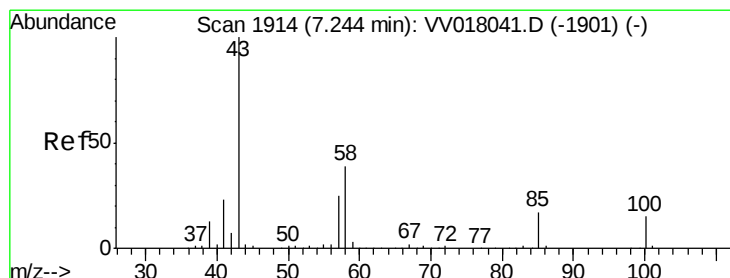
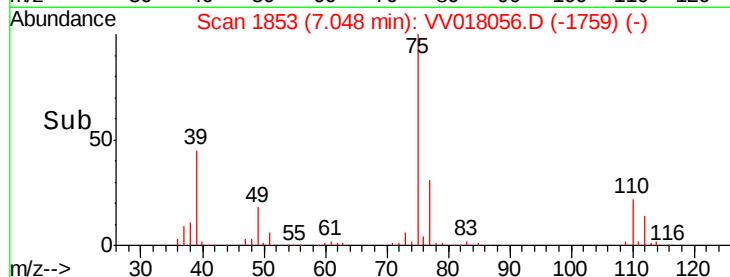
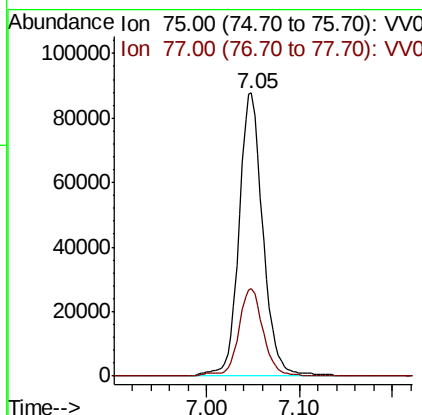
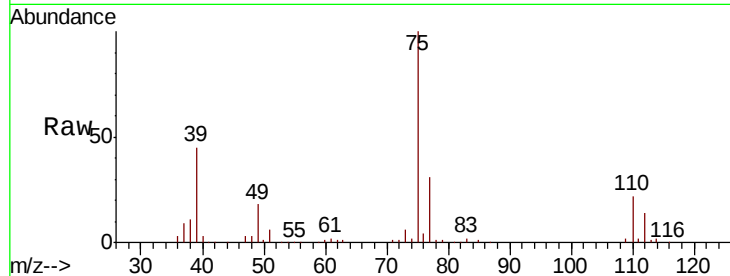




#39
 cis-1,3-Dichloropropene
 Concen: 48.562 ug/L
 RT: 7.05 min Scan# 1853
 Delta R.T. 0.00 min
 Lab File: VV018056.D
 Acq: 19 Aug 2020 09:55

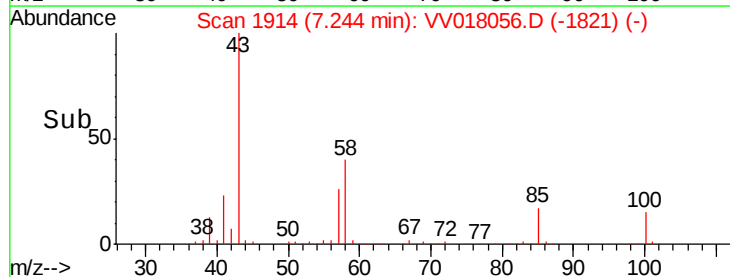
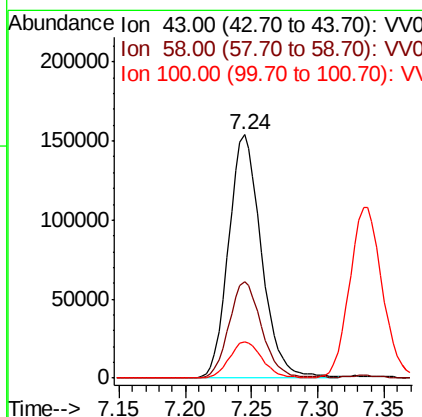
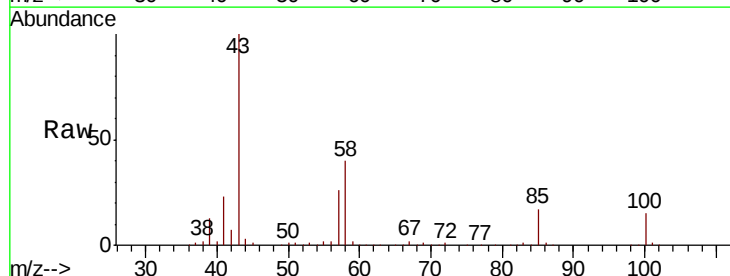
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05075

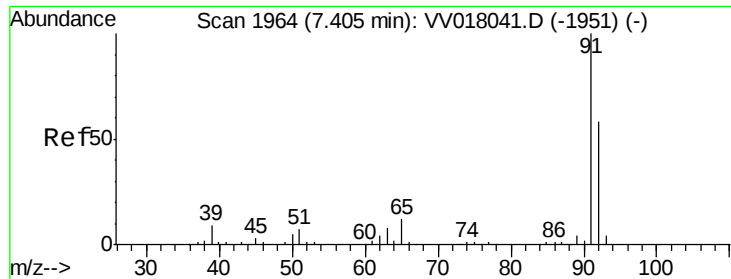
Tot Ion: 75 Resp: 157407
 Ion Ratio Lower Upper
 75 100
 77 30.9 22.3 41.5



#40
 4-Methyl-2-pentanone
 Concen: 88.554 ug/L
 RT: 7.24 min Scan# 1914
 Delta R.T. 0.00 min
 Lab File: VV018056.D
 Acq: 19 Aug 2020 09:55

Tgt Ion: 43 Resp: 264690
 Ion Ratio Lower Upper
 43 100
 58 39.5 31.9 47.9
 100 15.1 12.2 18.2





#42

Toluene

Concen: 47.950 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VV018056.D

Acq: 19 Aug 2020 09:55

Instrument :

MSVOA_V

ClientSampleId :

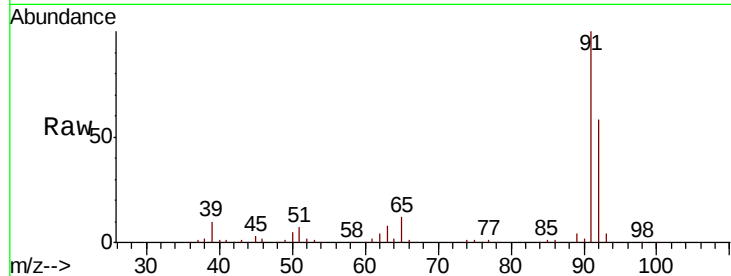
VSTD05075

Tot Ion: 91 Resp: 419509

Ion Ratio Lower Upper

91 100

92 58.0 40.6 75.4



Abundance Ion 91.00 (90.70 to 91.70): VV018041.D (-1951) (-)

Ion 92.00 (91.70 to 92.70): VV018041.D (-1951) (-)

7.41

250000

200000

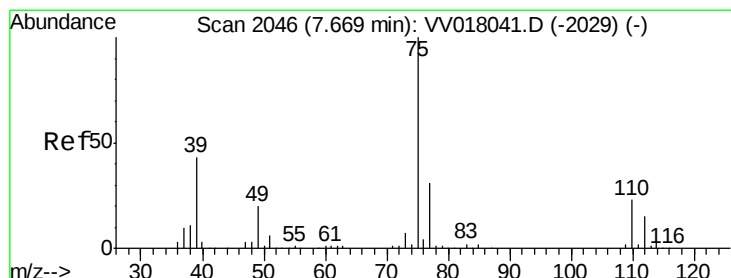
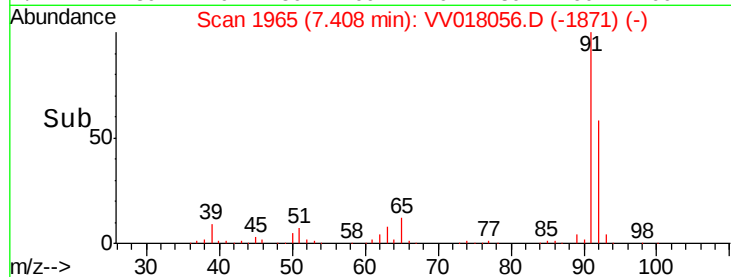
150000

100000

50000

0

Time--> 7.30 7.40 7.50



#44

trans-1,3-Dichloropropene

Concen: 50.065 ug/L

RT: 7.67 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VV018056.D

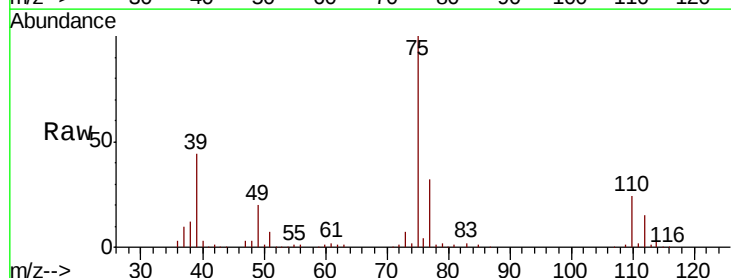
Acq: 19 Aug 2020 09:55

Tgt Ion: 75 Resp: 153973

Ion Ratio Lower Upper

75 100

77 31.6 22.3 41.5



Abundance Ion 75.00 (74.70 to 75.70): VV018041.D (-2029) (-)

Ion 77.00 (76.70 to 77.70): VV018041.D (-2029) (-)

7.67

100000

80000

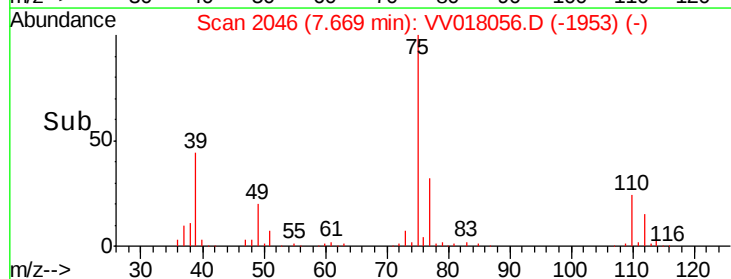
60000

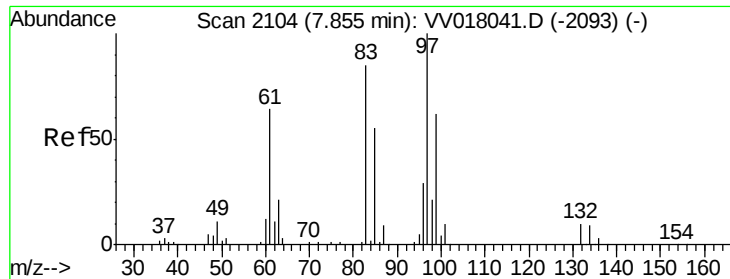
40000

20000

0

Time--> 7.60 7.70 7.80

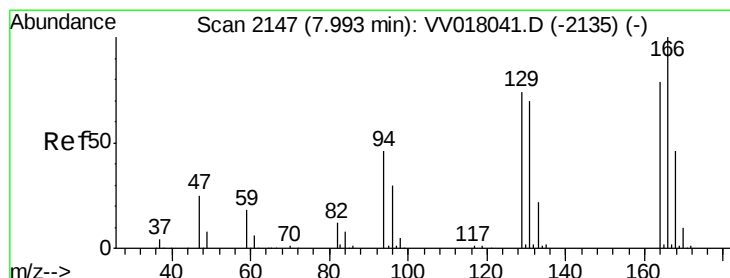
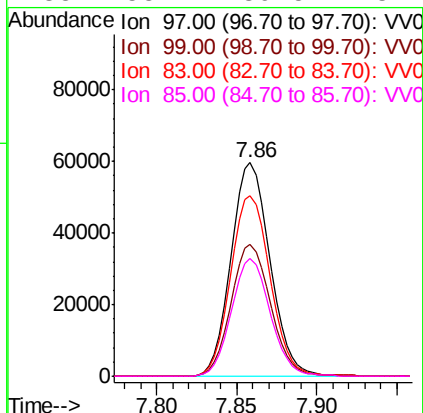
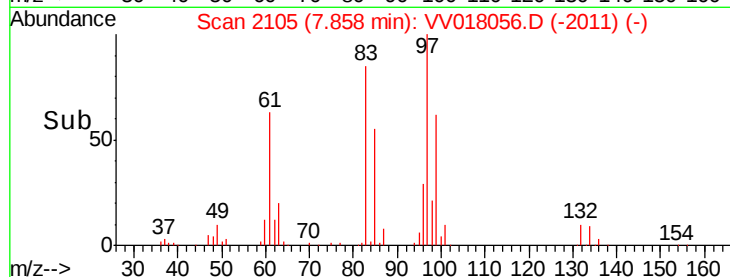
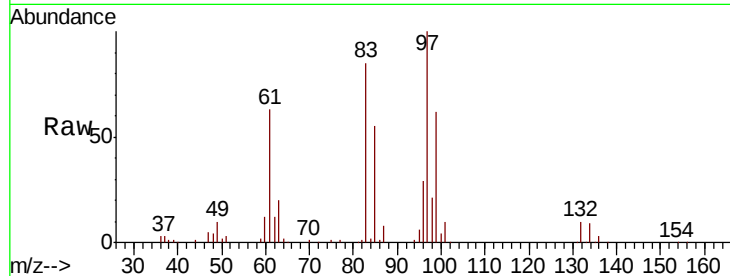




#45
1,1,2-Trichloroethane
Concen: 46.801 ug/L
RT: 7.86 min Scan# 2105
Delta R.T. 0.00 min
Lab File: VV018056.D
Acq: 19 Aug 2020 09:55

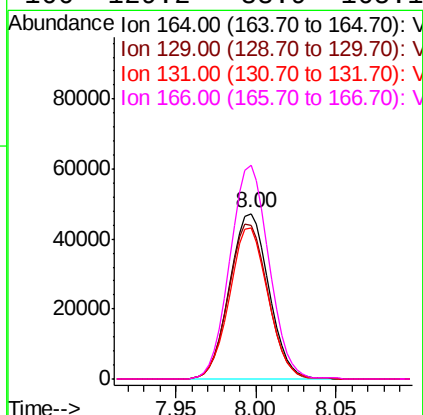
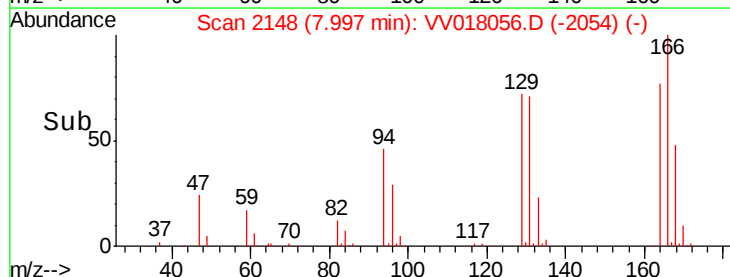
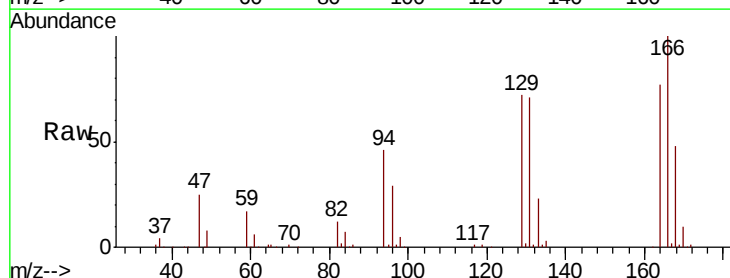
Instrument :
MSVOA_V
ClientSampleId :
VSTD05075

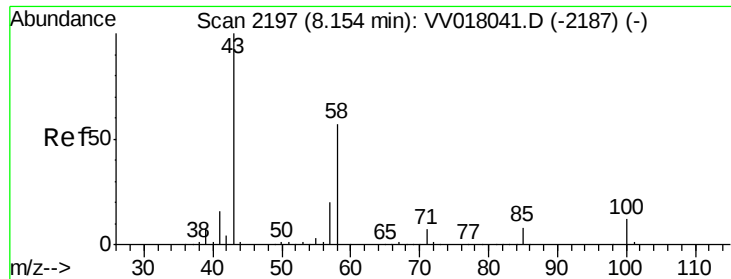
Tot Ion:	97	Resp:	99100
Ion	Ratio	Lower	Upper
97	100		
99	61.8	44.2	82.2
83	84.5	61.0	113.4
85	55.1	39.5	73.4



#46
Tetrachloroethene
Concen: 48.582 ug/L
RT: 8.00 min Scan# 2148
Delta R.T. 0.00 min
Lab File: VV018056.D
Acq: 19 Aug 2020 09:55

Tgt Ion:	164	Resp:	78963
Ion	Ratio	Lower	Upper
164	100		
129	93.3	64.8	120.3
131	91.1	64.5	119.9
166	129.2	88.9	165.1

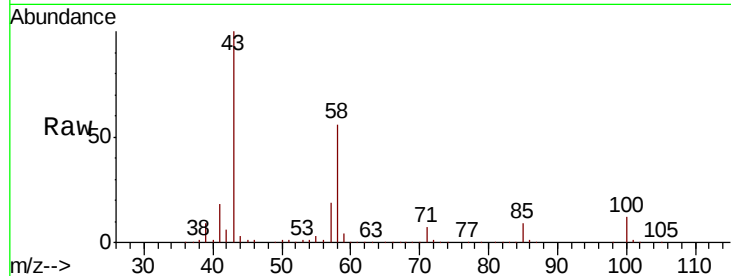




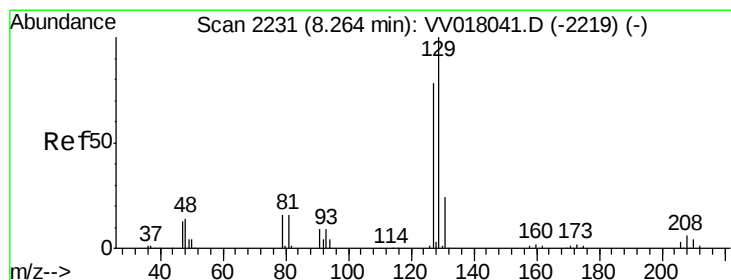
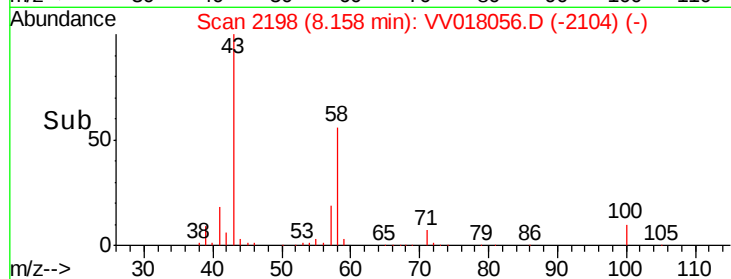
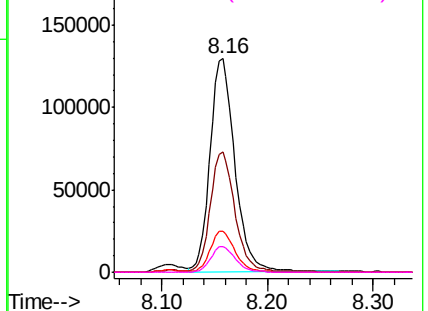
#48
2-Hexanone
Concen: 88.099 ug/L
RT: 8.16 min Scan# 2198
Delta R.T. 0.00 min
Lab File: VV018056.D
Acq: 19 Aug 2020 09:55

Instrument :
MSVOA_V
ClientSampleId :
VSTD05075

Tot Ion:	43	Resp:	212346
Ion	Ratio	Lower	Upper
43	100		
58	55.4	44.4	66.6
57	18.7	15.2	22.8
100	12.0	9.8	14.6

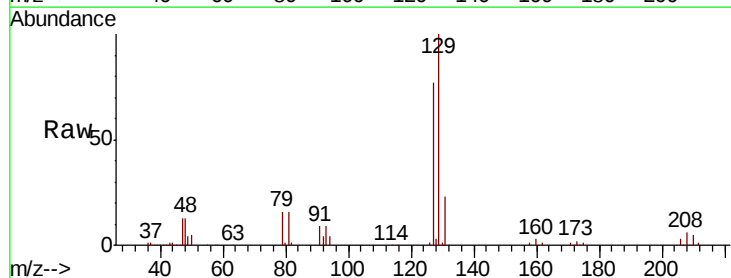


Abundance Ion 43.00 (42.70 to 43.70): VV018041.D (-2187) (-)
Ion 58.00 (57.70 to 58.70): VV018041.D (-2187) (-)
Ion 57.00 (56.70 to 57.70): VV018041.D (-2187) (-)
Ion 100.00 (99.70 to 100.70): VV018041.D (-2187) (-)

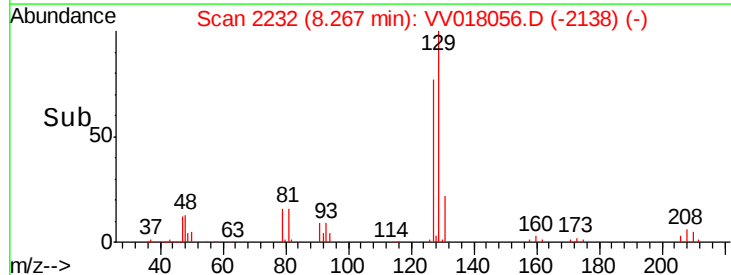
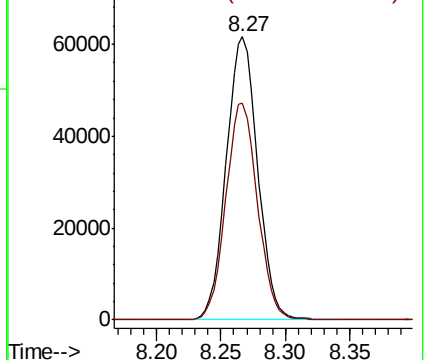


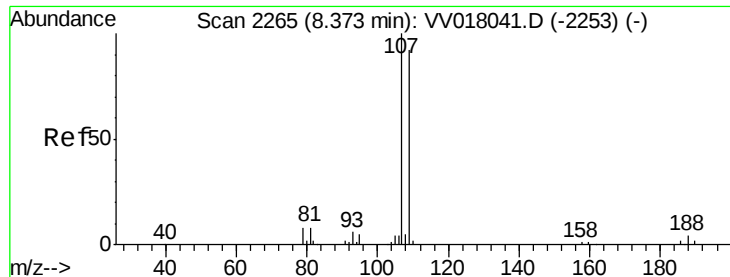
#49
Dibromochloromethane
Concen: 50.505 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. 0.00 min
Lab File: VV018056.D
Acq: 19 Aug 2020 09:55

Tgt Ion:	129	Resp:	104384
Ion	Ratio	Lower	Upper
129	100		
127	76.6	54.9	101.9



Abundance Ion 129.00 (128.70 to 129.70): VV018041.D (-2219) (-)
Ion 127.00 (126.70 to 127.70): VV018041.D (-2219) (-)

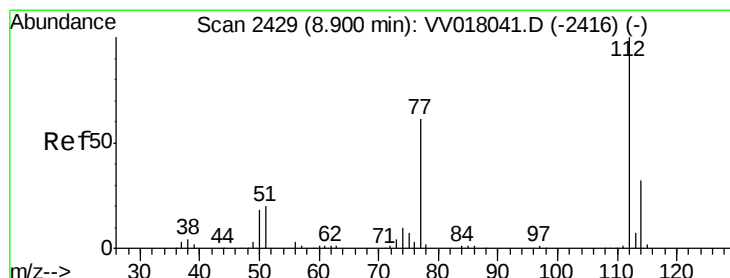
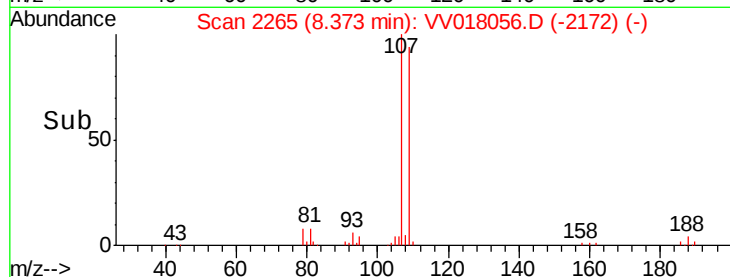
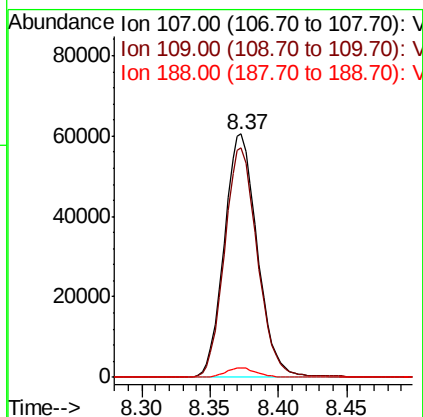
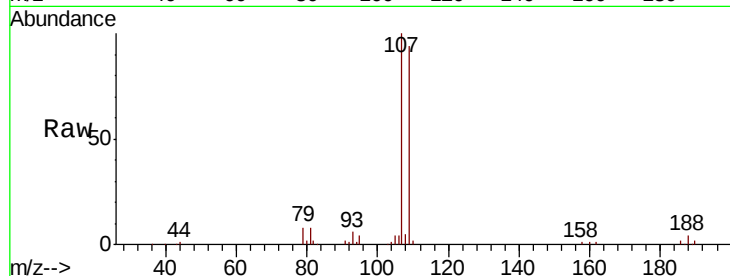




#50
1,2-Dibromoethane
Concen: 46.642 ug/L
RT: 8.37 min Scan# 2265
Delta R.T. 0.00 min
Lab File: VV018056.D
Acq: 19 Aug 2020 09:55

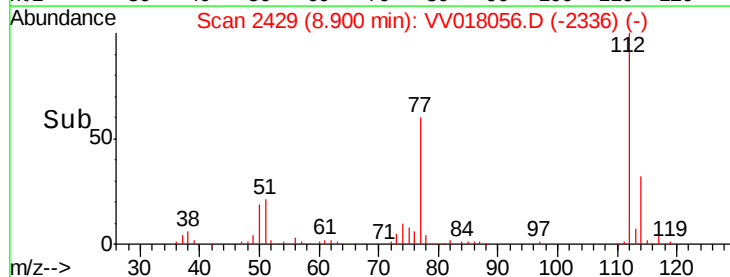
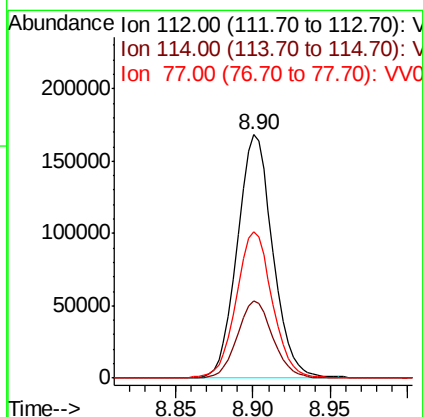
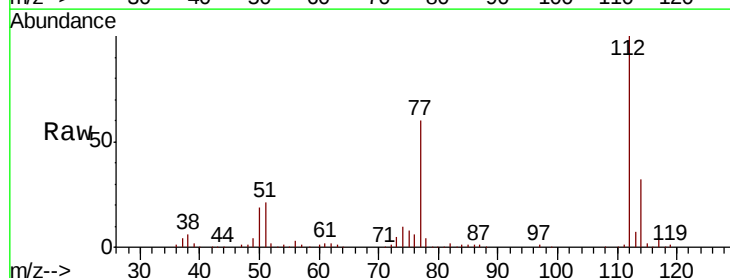
Instrument :
MSVOA_V
ClientSampleId :
VSTD05075

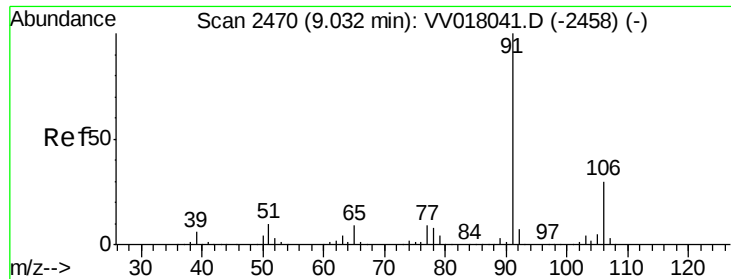
Tot Ion	Ratio	Lower	Upper
107	100		
109	94.3	67.5	125.4
188	4.1	3.4	5.0



#51
Chlorobenzene
Concen: 47.630 ug/L
RT: 8.90 min Scan# 2429
Delta R.T. 0.00 min
Lab File: VV018056.D
Acq: 19 Aug 2020 09:55

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.6	22.7	42.3
77	60.3	49.4	74.2

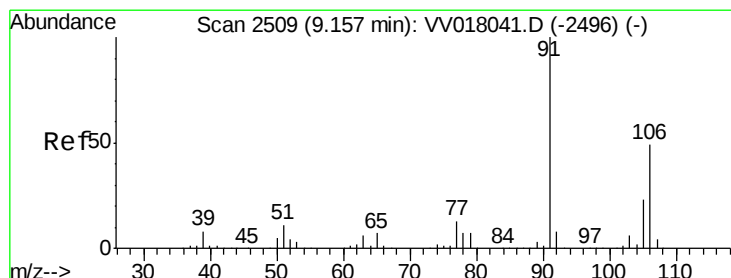
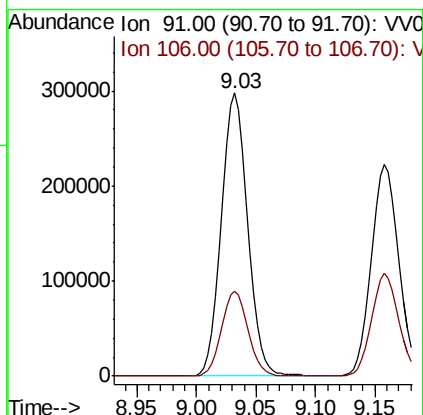
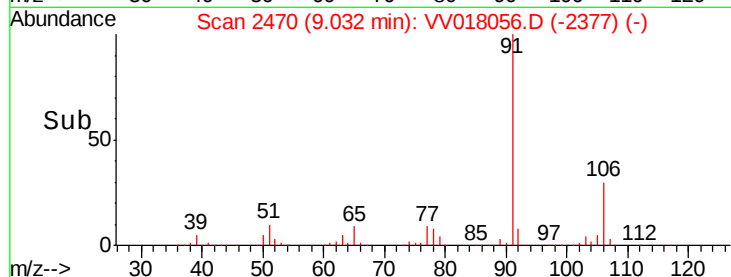
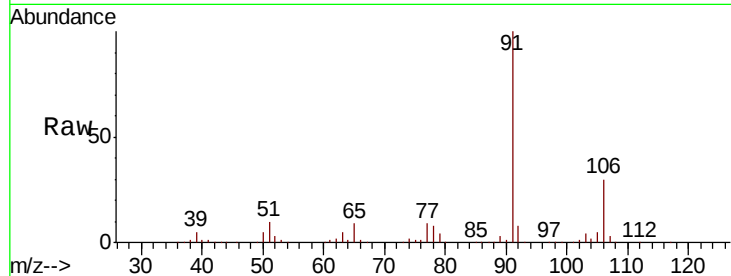




#52
Ethylbenzene
Concen: 47.938 ug/L
RT: 9.03 min Scan# 2470
Delta R.T. 0.00 min
Lab File: VV018056.D
Acq: 19 Aug 2020 09:55

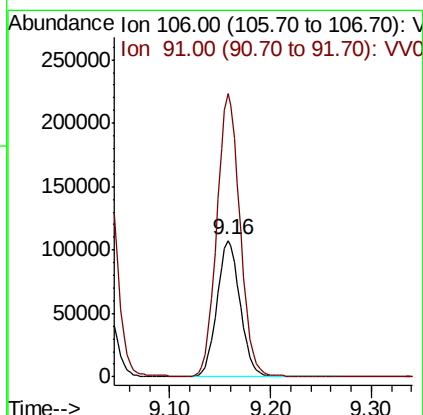
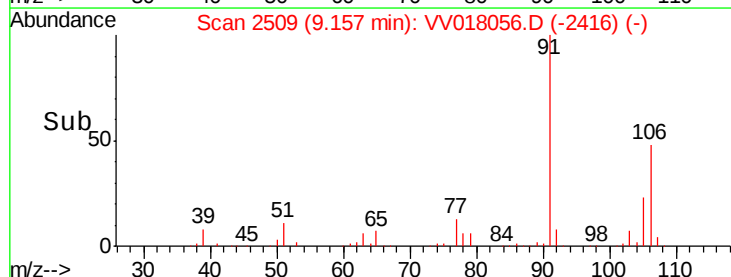
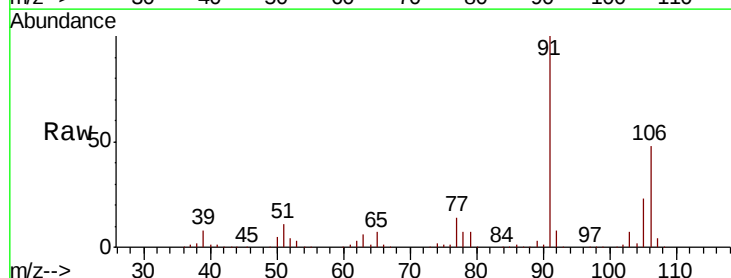
Instrument :
MSVOA_V
ClientSampleId :
VSTD05075

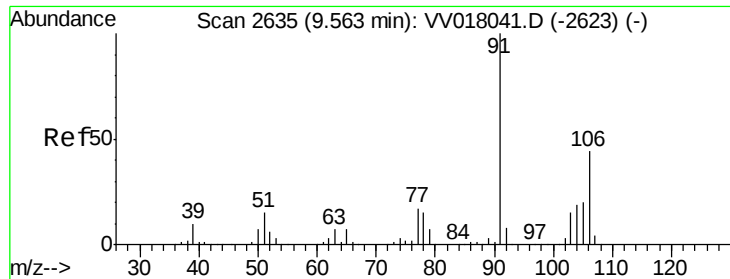
Tot Ion: 91 Resp: 457299
Ion Ratio Lower Upper
91 100
106 30.2 21.1 39.3



#53
m,p-Xylene
Concen: 48.877 ug/L
RT: 9.16 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VV018056.D
Acq: 19 Aug 2020 09:55

Tgt Ion: 106 Resp: 171489
Ion Ratio Lower Upper
106 100
91 207.1 147.3 273.6





#54

o-xylene

Concen: 47.671 ug/L

RT: 9.56 min Scan# 2635

Delta R.T. 0.00 min

Lab File: VV018056.D

Acq: 19 Aug 2020 09:55

Instrument :

MSVOA_V

ClientSampleId :

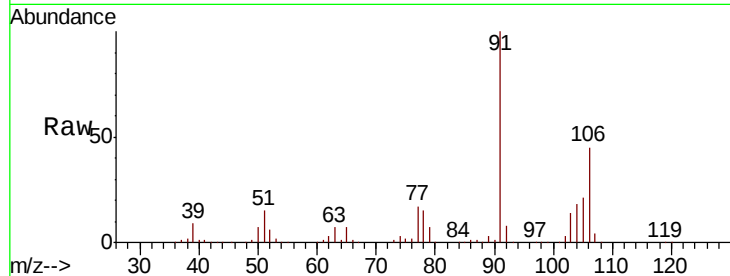
VSTD05075

Tot Ion:106 Resp: 165287

Ion Ratio Lower Upper

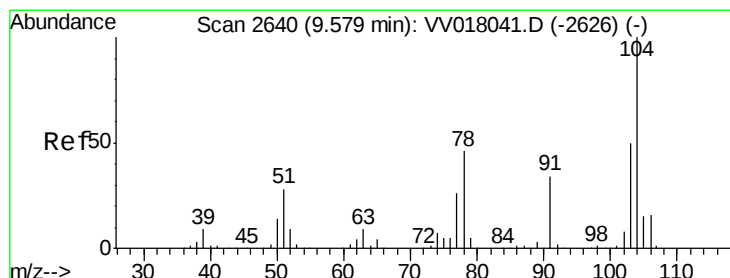
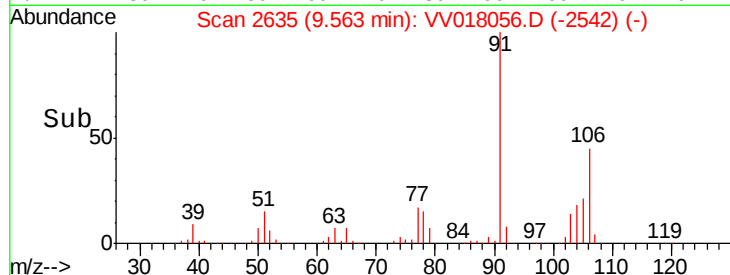
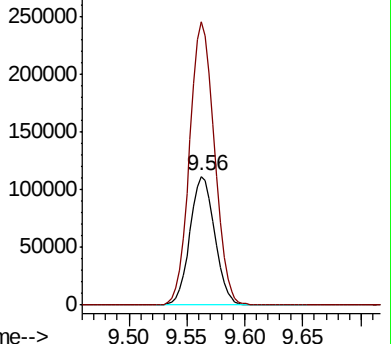
106 100

91 220.2 156.0 289.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 50.810 ug/L

RT: 9.58 min Scan# 2640

Delta R.T. 0.00 min

Lab File: VV018056.D

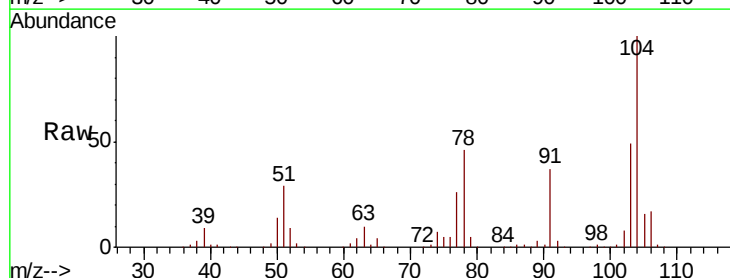
Acq: 19 Aug 2020 09:55

Tgt Ion:104 Resp: 301692

Ion Ratio Lower Upper

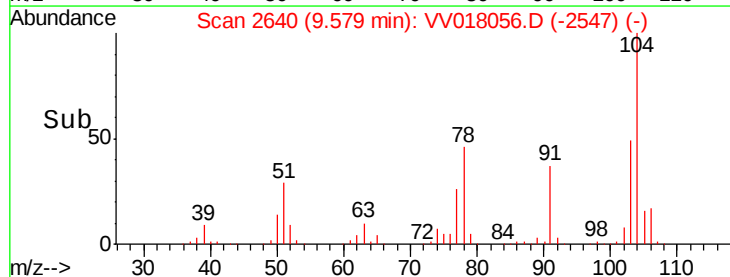
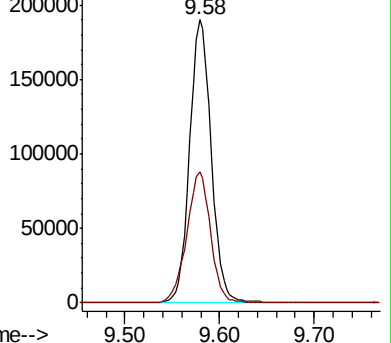
104 100

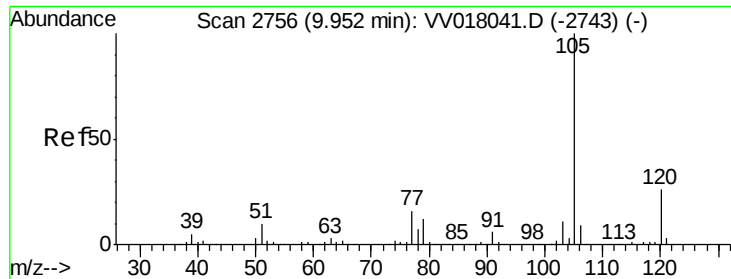
78 46.2 32.2 59.8



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 48.742 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV018056.D

Acq: 19 Aug 2020 09:55

Instrument :

MSVOA_V

ClientSampleId :

VSTD05075

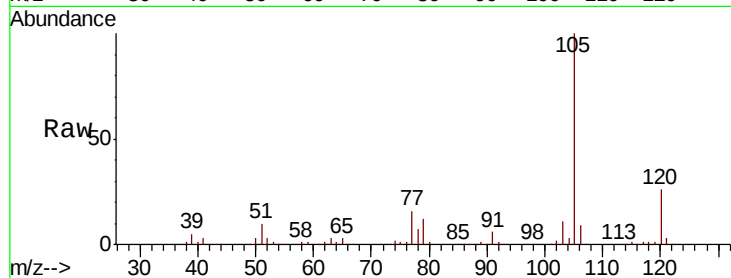
Tot Ion:105 Resp: 445839

Ion Ratio Lower Upper

105 100

120 25.8 20.6 31.0

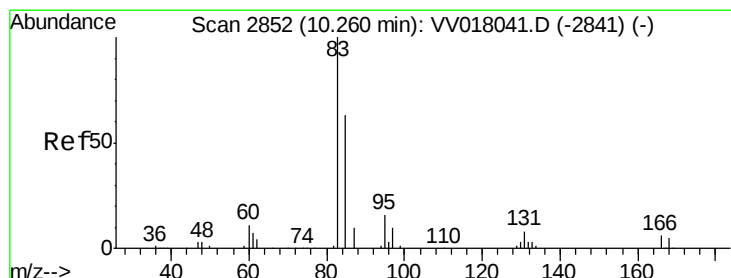
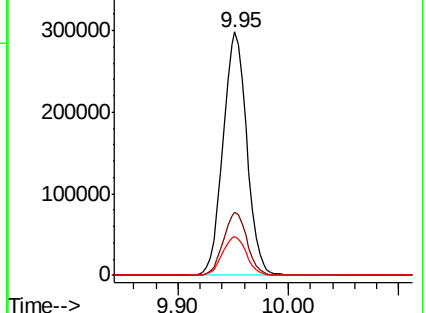
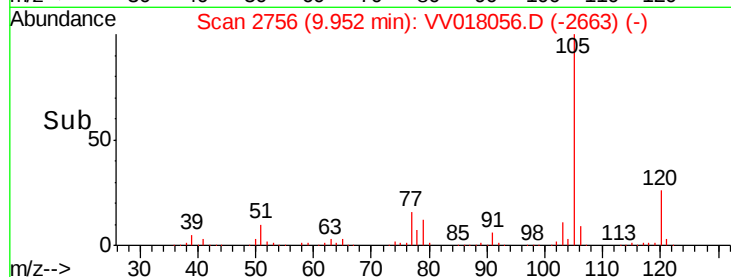
77 16.2 13.1 19.7



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: 44.367 ug/L

RT: 10.26 min Scan# 2852

Delta R.T. 0.00 min

Lab File: VV018056.D

Acq: 19 Aug 2020 09:55

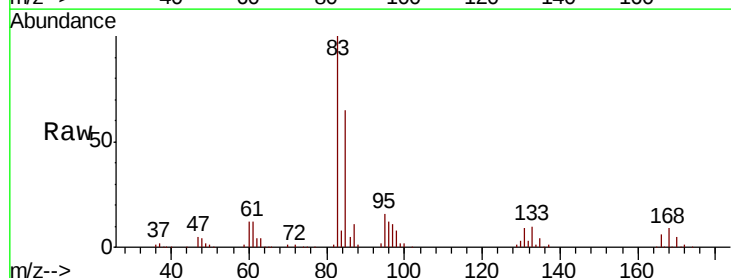
Tgt Ion: 83 Resp: 146294

Ion Ratio Lower Upper

83 100

85 65.2 45.1 83.7

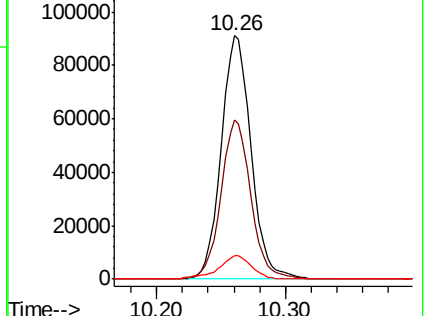
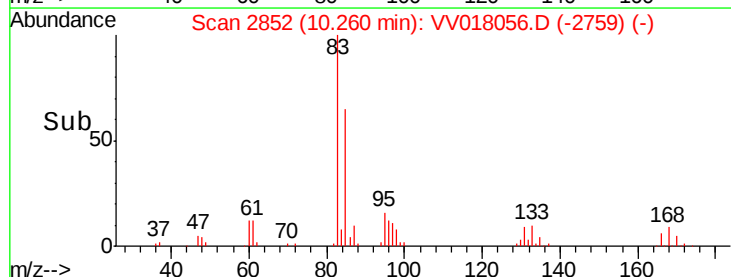
131 9.5 7.8 11.6

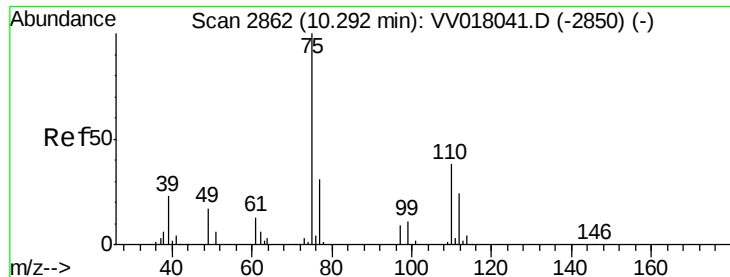


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 44.525 ug/L

RT: 10.29 min Scan# 2862

Delta R.T. 0.00 min

Lab File: VV018056.D

Acq: 19 Aug 2020 09:55

Instrument :

MSVOA_V

ClientSampleId :

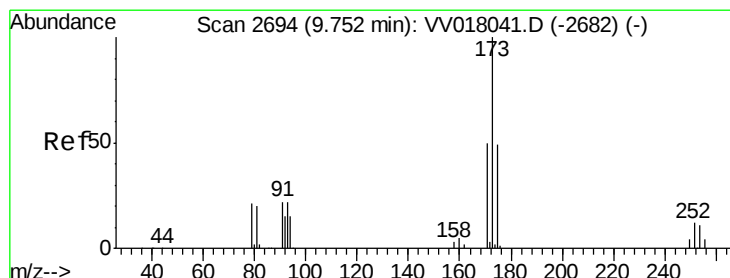
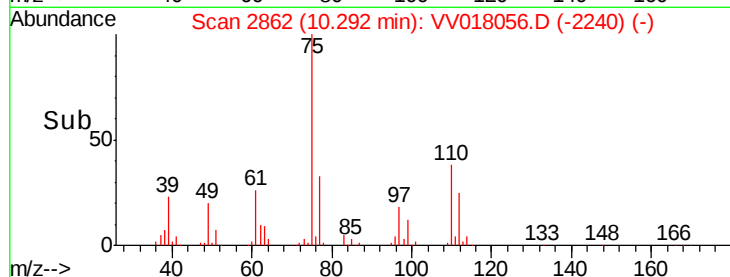
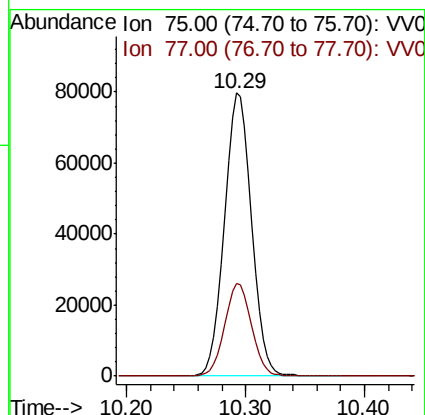
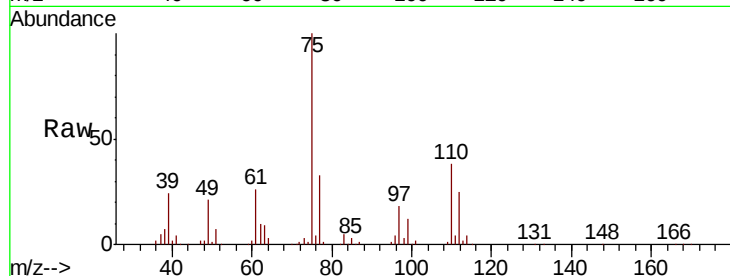
VSTD05075

Tot Ion: 75 Resp: 125732

Ion Ratio Lower Upper

75 100

77 32.2 25.7 38.5



#61

Bromoform

Concen: 50.440 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VV018056.D

Acq: 19 Aug 2020 09:55

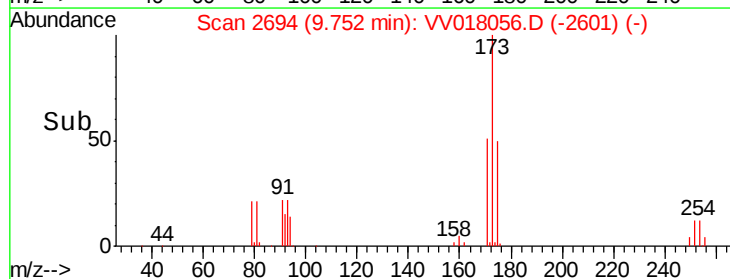
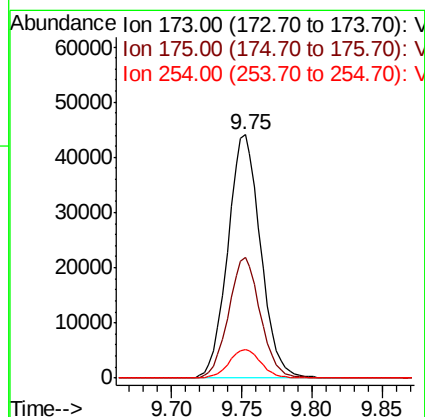
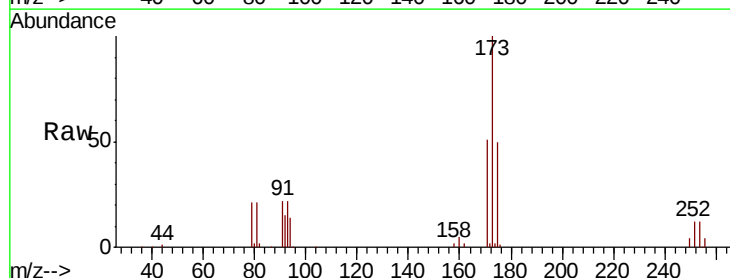
Tgt Ion: 173 Resp: 71604

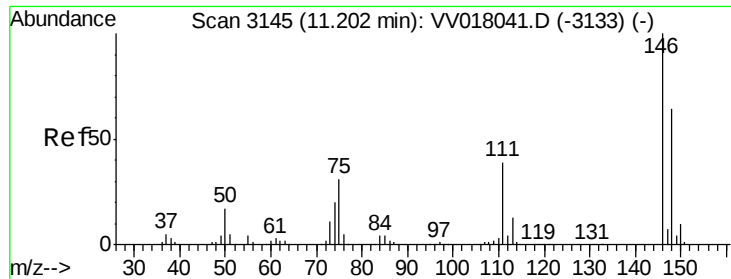
Ion Ratio Lower Upper

173 100

175 48.3 38.6 57.8

254 11.4 8.4 12.6





#62

1,3-Dichlorobenzene

Concen: 47.083 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. 0.00 min

Lab File: VV018056.D

Acq: 19 Aug 2020 09:55

Instrument :

MSVOA_V

ClientSampleId :

VSTD05075

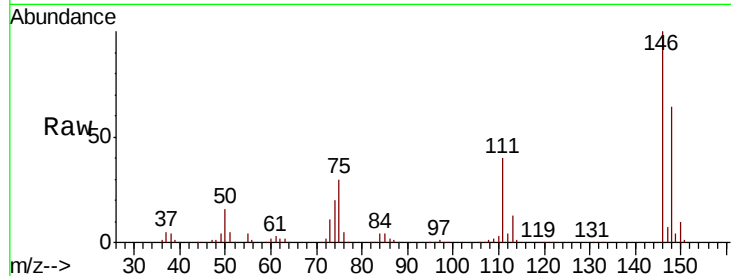
Tot Ion:146 Resp: 224626

Ion Ratio Lower Upper

146 100

111 39.5 28.8 53.4

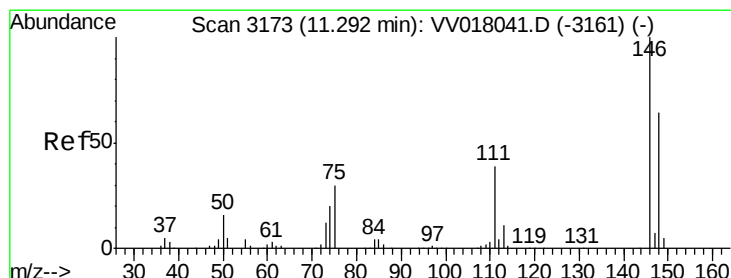
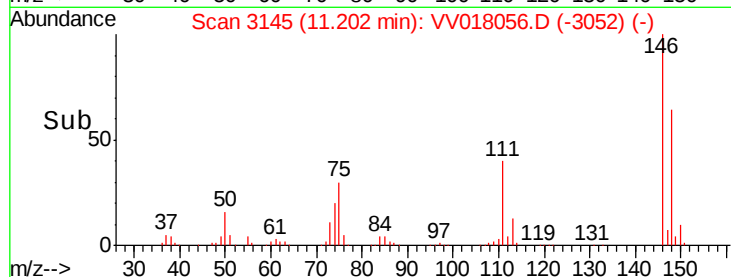
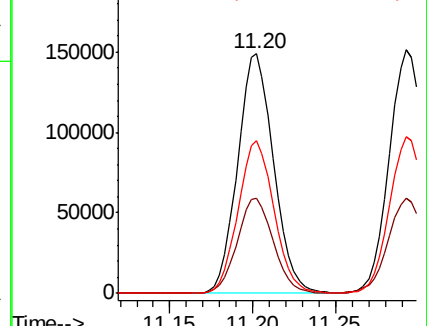
148 63.6 44.9 83.5



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: 46.844 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. 0.00 min

Lab File: VV018056.D

Acq: 19 Aug 2020 09:55

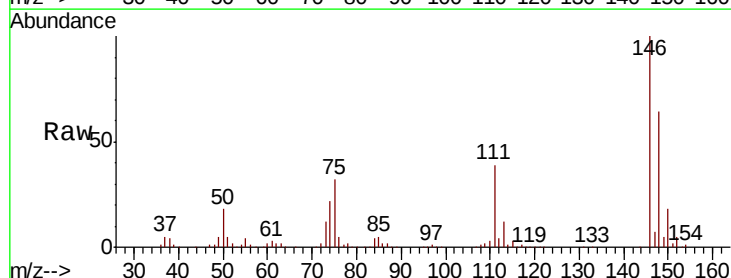
Tgt Ion:146 Resp: 229585

Ion Ratio Lower Upper

146 100

111 39.0 28.0 52.0

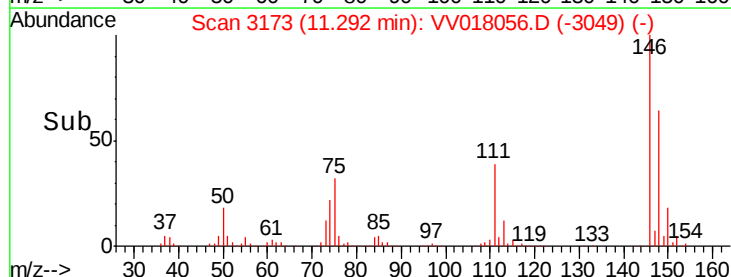
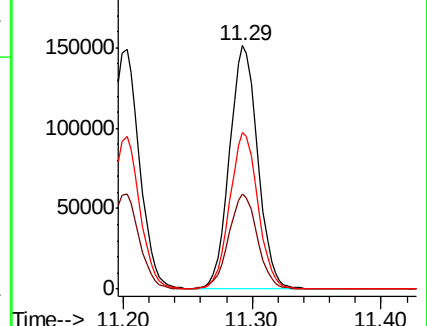
148 64.1 44.2 82.2

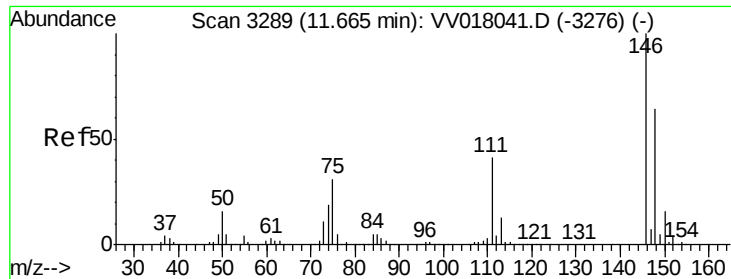


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 46.030 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. 0.00 min

Lab File: VV018056.D

Acq: 19 Aug 2020 09:55

Instrument :

MSVOA_V

ClientSampleId :

VSTD05075

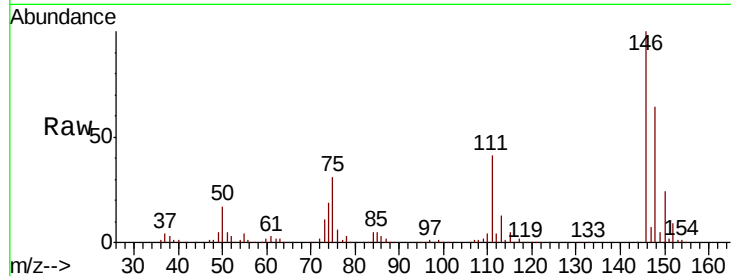
Tot Ion:146 Resp: 226030

Ion Ratio Lower Upper

146 100

111 41.3 34.2 51.4

148 64.2 50.6 76.0

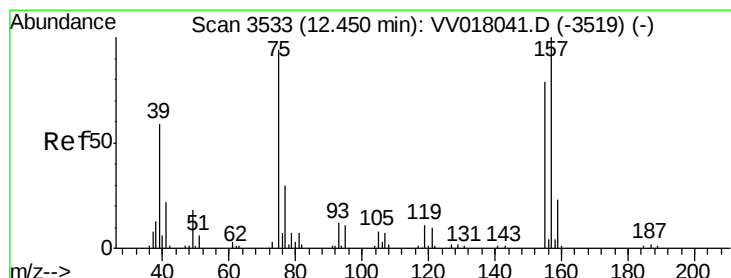
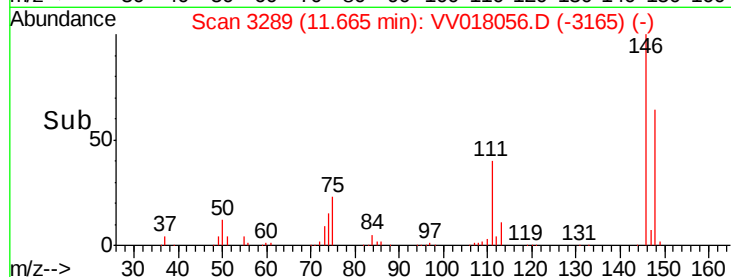
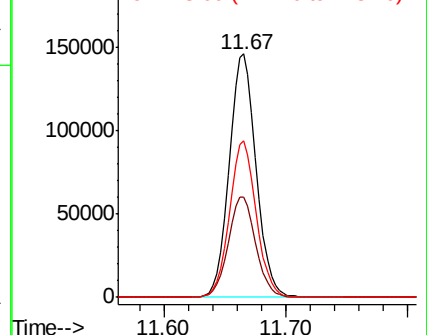


Abundance

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: 42.778 ug/L

RT: 12.45 min Scan# 3533

Delta R.T. 0.00 min

Lab File: VV018056.D

Acq: 19 Aug 2020 09:55

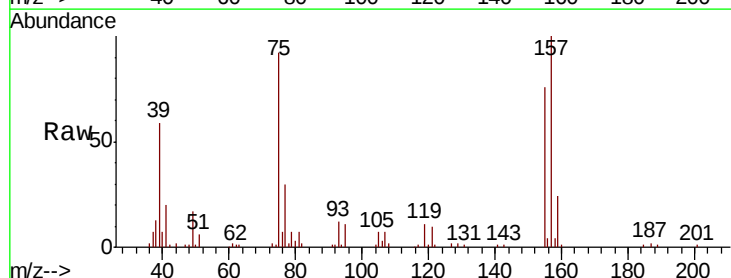
Tgt Ion: 75 Resp: 30950

Ion Ratio Lower Upper

75 100

155 82.6 67.6 101.4

157 108.8 84.3 126.5

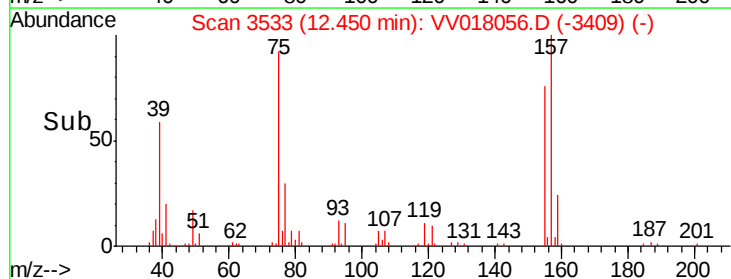
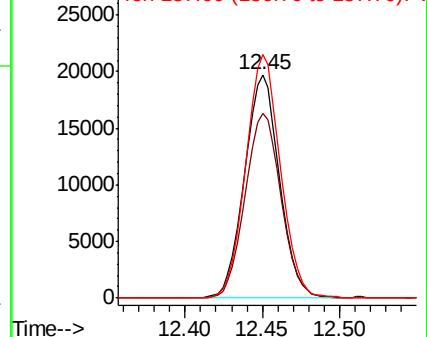


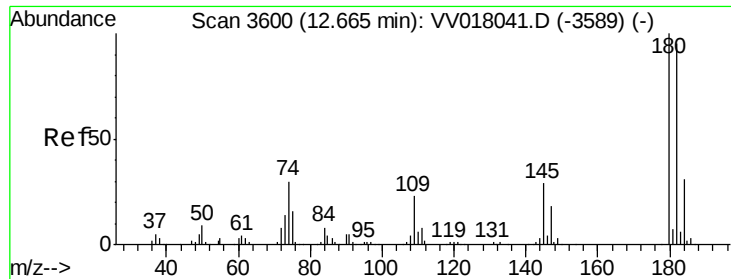
Abundance

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

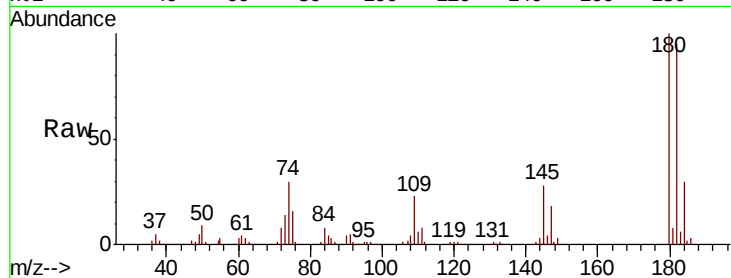




#67
 1,3,5-Trichlorobenzene
 Concen: 48.722 ug/L
 RT: 12.67 min Scan# 3600
 Delta R.T. 0.00 min
 Lab File: VV018056.D
 Acq: 19 Aug 2020 09:55

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05075

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.8	77.2	115.8
184	30.1	24.6	36.8
145	28.7	23.5	35.3



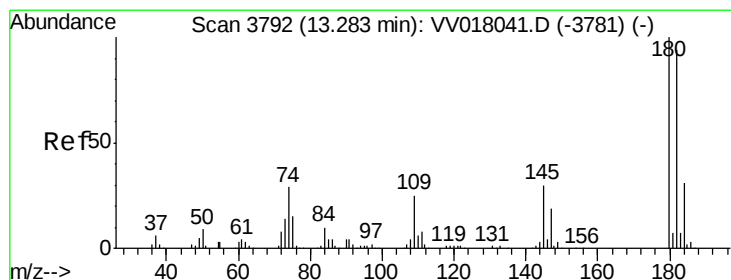
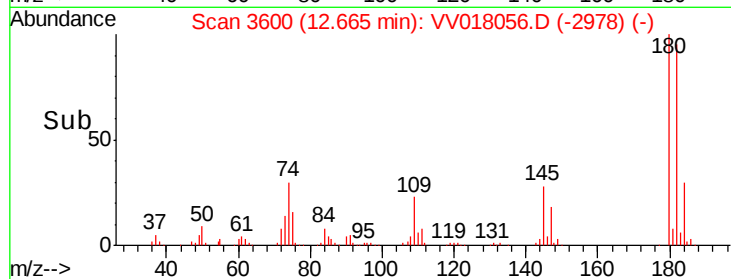
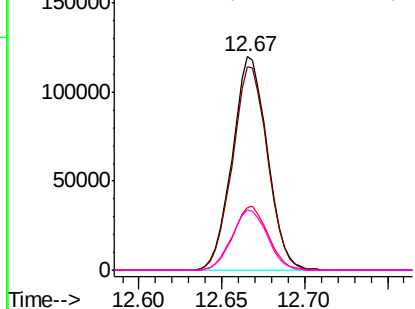
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

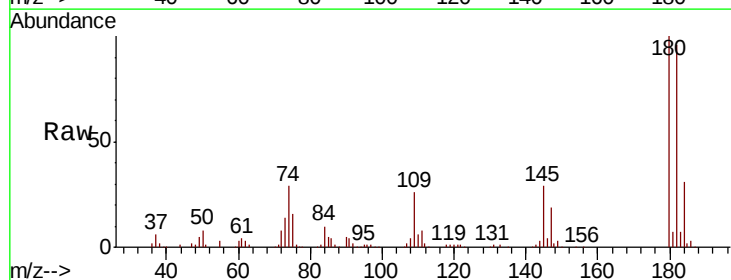
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 49.881 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. 0.00 min
 Lab File: VV018056.D
 Acq: 19 Aug 2020 09:55

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.5	76.4	114.6
145	29.6	24.0	36.0

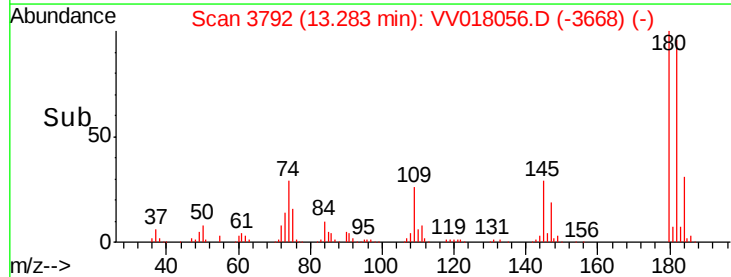
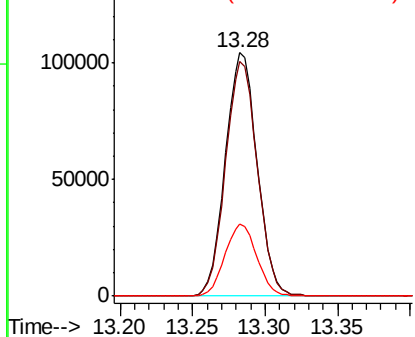


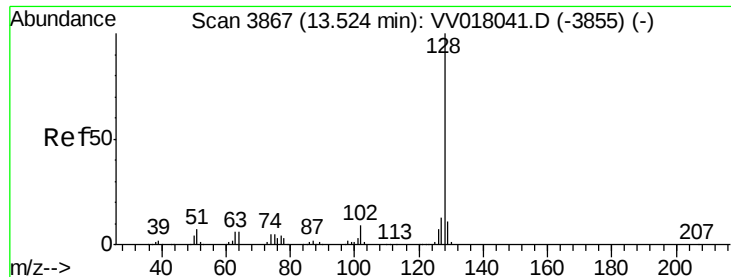
Abundance

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: 47.391 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. 0.00 min

Lab File: VV018056.D

Acq: 19 Aug 2020 09:55

Instrument :

MSVOA_V

ClientSampleId :

VSTD05075

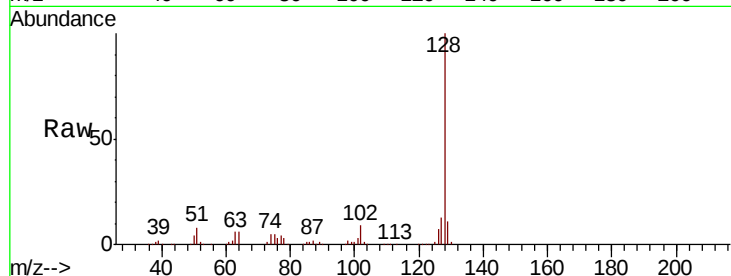
Tot Ion:128 Resp: 416208

Ion Ratio Lower Upper

128 100

127 13.2 10.6 15.8

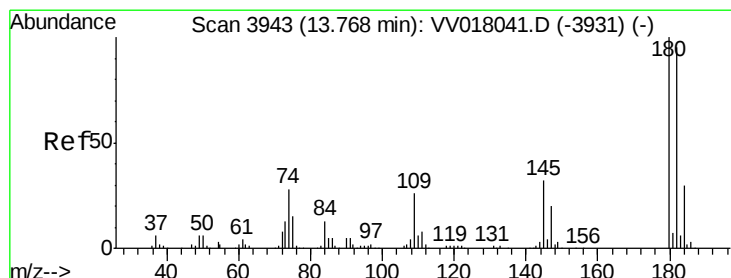
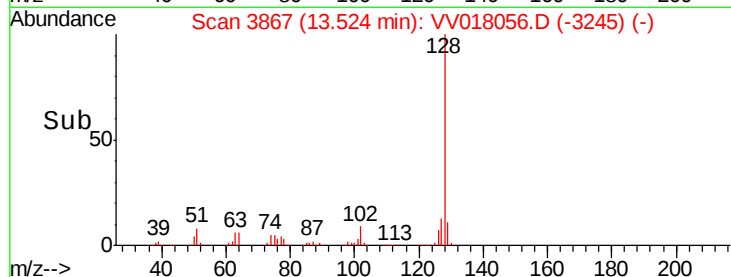
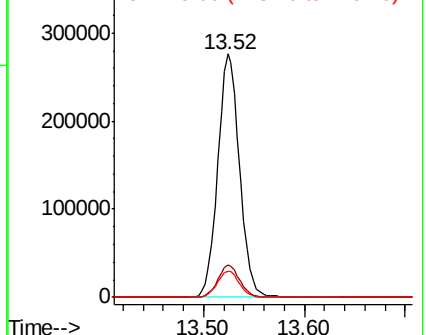
129 10.9 8.7 13.1



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: 49.620 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. 0.00 min

Lab File: VV018056.D

Acq: 19 Aug 2020 09:55

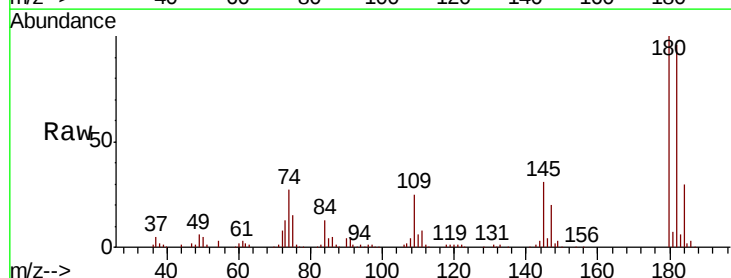
Tgt Ion:180 Resp: 160786

Ion Ratio Lower Upper

180 100

182 95.6 76.5 114.7

145 31.5 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

