

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV070920\
 Data File : VV017393.D
 Acq On : 09 Jul 2020 11:31
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05077

Quant Time: Jul 10 03:56:29 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM070820WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Jul 09 02:01:52 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	276549	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	266554	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	147570	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	65767	45.68	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	91.36%
7) Chloroethane-d5	1.58	69	48692	48.15	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	96.30%
11) 1,1-Dichloroethene-d2	2.12	63	155469	47.69	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.38%
21) 2-Butanone-d5	3.90	46	97569	99.22	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	99.22%
24) Chloroform-d	4.37	84	163651	49.14	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.28%
26) 1,2-Dichloroethane-d4	5.05	65	112759	49.33	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.66%
32) Benzene-d6	5.07	84	278195	48.31	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.62%
36) 1,2-Dichloropropane-d6	6.09	67	79601	48.01	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.02%
41) Toluene-d8	7.33	98	270546	48.87	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.74%
43) trans-1,3-Dichloropropene-	7.64	79	49306	51.09	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	102.18%
47) 2-Hexanone-d5	8.11	63	72423	106.43	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	106.43%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	114672	49.25	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.50%
64) 1,2-Dichlorobenzene-d4	11.65	152	119870	48.58	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.16%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	148041	49.849	ug/L	99
3) Chloromethane	1.25	50	100216	47.931	ug/L	99
5) Vinyl chloride	1.32	62	103072	48.774	ug/L	99
6) Bromomethane	1.53	94	52943	49.356	ug/L	97
8) Chloroethane	1.59	64	53143	48.466	ug/L	98
9) Trichlorofluoromethane	1.76	101	197485	49.917	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	91143	49.629	ug/L	99
12) 1,1-Dichloroethene	2.13	96	79141	47.645	ug/L	91
13) Acetone	2.18	43	150231	112.231	ug/L	99
14) Carbon disulfide	2.31	76	241050	47.680	ug/L	99
15) Methyl Acetate	2.44	43	87395	49.187	ug/L	99
16) Methylene chloride	2.52	84	91097	47.106	ug/L	98
17) trans-1,2-Dichloroethene	2.78	96	88833	49.179	ug/L	97
18) Methyl tert-butyl Ether	2.78	73	303917	50.432	ug/L	98
19) 1,1-Dichloroethane	3.21	63	162597	48.954	ug/L	98
20) cis-1,2-Dichloroethene	3.93	96	94390	48.770	ug/L	96
22) 2-Butanone	3.98	43	146672	112.095	ug/L	95

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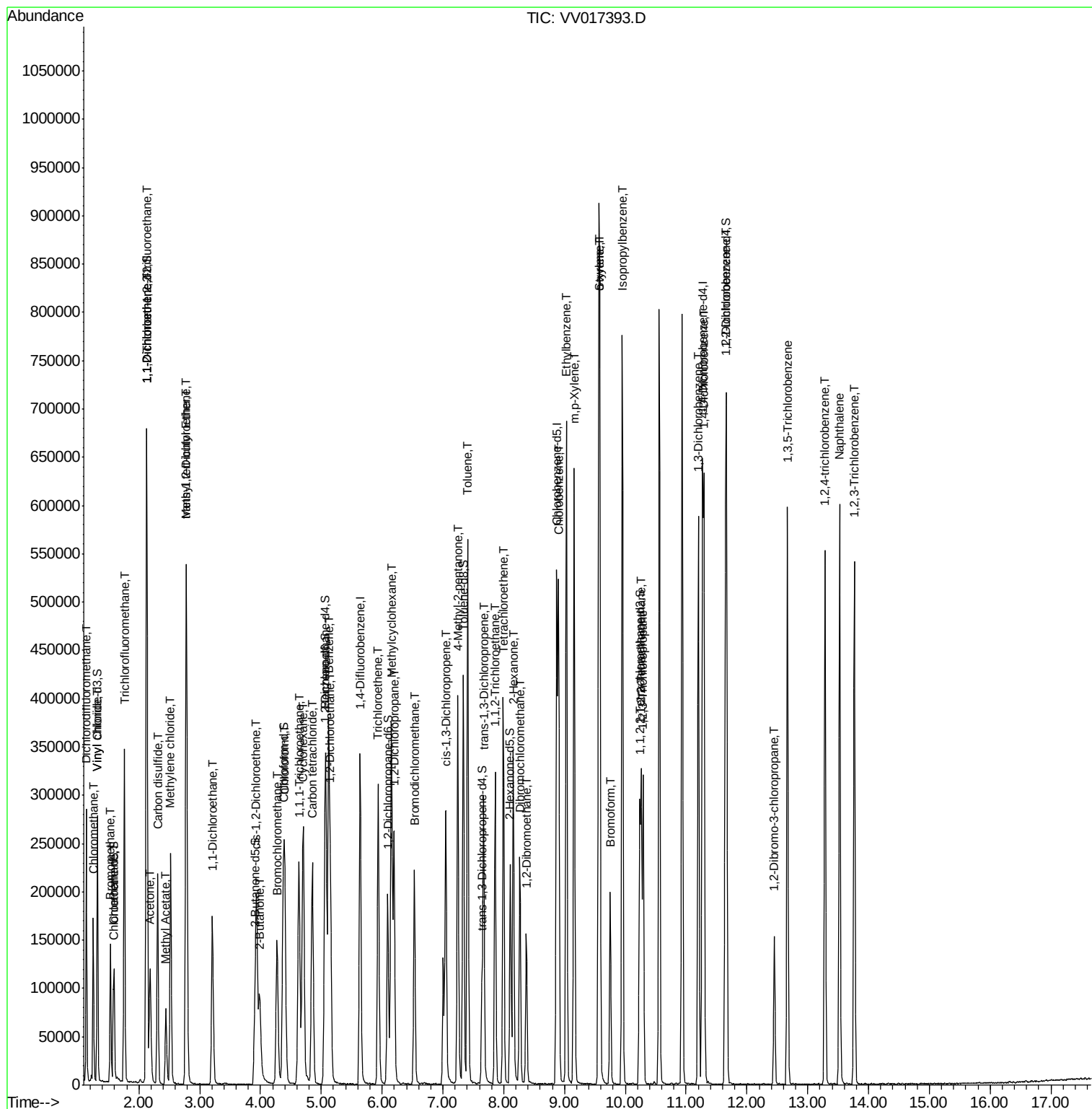
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.27	128	52556	48.803	ug/L	96
25) Chloroform	4.40	83	184786	49.566	ug/L	99
27) 1,2-Dichloroethane	5.15	62	161373	49.245	ug/L	100
29) Cyclohexane	4.70	56	136875	49.241	ug/L	100
30) 1,1,1-Trichloroethane	4.63	97	187781	51.229	ug/L	99
31) Carbon tetrachloride	4.85	117	169678	50.574	ug/L	100
33) Benzene	5.12	78	353687	50.196	ug/L	100
34) Trichloroethene	5.94	95	99964	47.786	ug/L	98
35) Methylcyclohexane	6.15	83	152779	49.873	ug/L	99
37) 1,2-Dichloropropane	6.20	63	85226	49.454	ug/L	99
38) Bromodichloromethane	6.53	83	141171	50.307	ug/L	99
39) cis-1,3-Dichloropropene	7.05	75	152250	51.840	ug/L	99
40) 4-Methyl-2-pentanone	7.24	43	244320	102.527	ug/L	98
42) Toluene	7.41	91	396352	50.327	ug/L	99
44) trans-1,3-Dichloropropene	7.67	75	158905	52.312	ug/L	100
45) 1,1,2-Trichloroethane	7.86	97	91527	48.949	ug/L	96
46) Tetrachloroethene	8.00	164	87464	49.794	ug/L	97
48) 2-Hexanone	8.16	43	201944	104.684	ug/L	98
49) Dibromochloromethane	8.27	129	117023	50.168	ug/L	98
50) 1,2-Dibromoethane	8.37	107	98141	49.037	ug/L	94
51) Chlorobenzene	8.90	112	262625	49.211	ug/L	99
52) Ethylbenzene	9.03	91	448617	49.802	ug/L	100
53) m,p-Xylene	9.16	106	172619	51.185	ug/L	99
54) o-xylene	9.56	106	167015	51.558	ug/L	99
55) Styrene	9.58	104	288127	51.206	ug/L	97
56) Isopropylbenzene	9.95	105	466557	51.770	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	132596	48.289	ug/L	99
59) 1,2,3-Trichloropropane	10.29	75	117403	49.162	ug/L	98
61) Bromoform	9.75	173	89316	50.318	ug/L	97
62) 1,3-Dichlorobenzene	11.20	146	225889	49.056	ug/L	99
63) 1,4-Dichlorobenzene	11.29	146	228291	48.848	ug/L	98
65) 1,2-Dichlorobenzene	11.67	146	223437	48.676	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.45	75	36650	49.067	ug/L	95
67) 1,3,5-Trichlorobenzene	12.67	180	177131	51.066	ug/L	99
68) 1,2,4-trichlorobenzene	13.28	180	159877	52.562	ug/L	99
69) Naphthalene	13.52	128	453060	53.337	ug/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	162605	52.555	ug/L	99

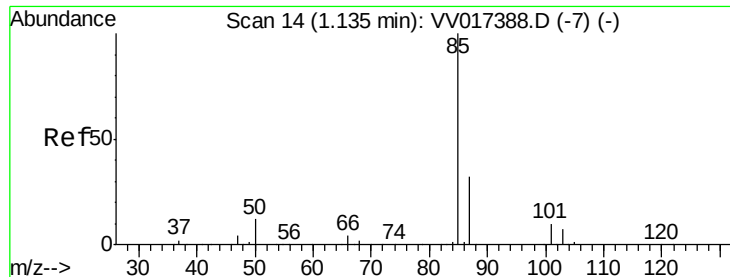
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 49.849 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

Lab File: VV017393.D

Acq: 09 Jul 2020 11:31

Instrument :

MSVOA_V

ClientSampleId :

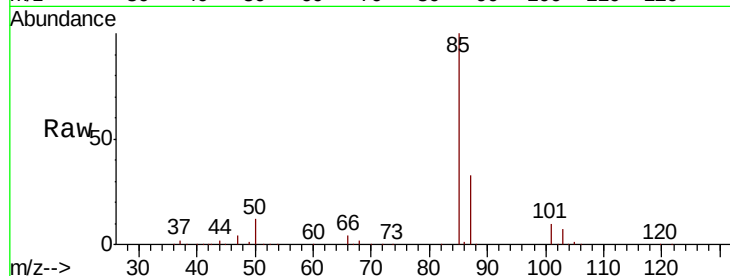
VSTD05077

Tot Ion: 85 Resp: 148041

Ion Ratio Lower Upper

85 100

87 32.7 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VV017388.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VV017388.D (-7) (-)

1.14

150000

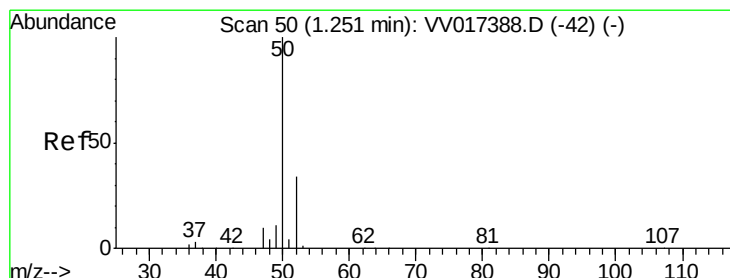
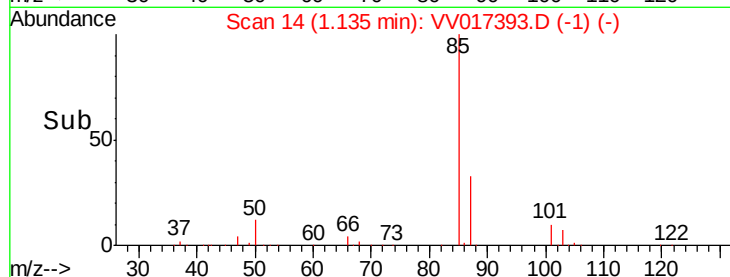
100000

50000

0

1.10 1.15 1.20

Time-->



#3

Chloromethane

Concen: 47.931 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV017393.D

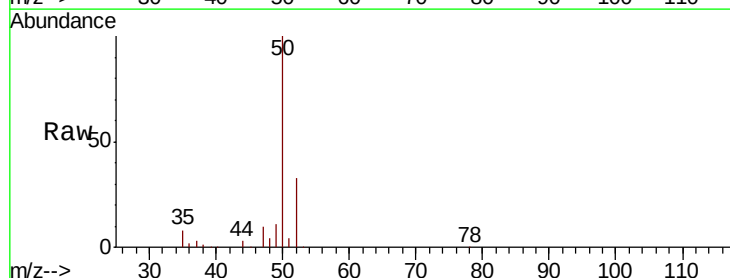
Acq: 09 Jul 2020 11:31

Tgt Ion: 50 Resp: 100216

Ion Ratio Lower Upper

50 100

52 32.7 23.4 43.6



Abundance Ion 50.00 (49.70 to 50.70): VV017388.D (-42) (-)

Ion 52.00 (51.70 to 52.70): VV017388.D (-42) (-)

1.25

100000

80000

60000

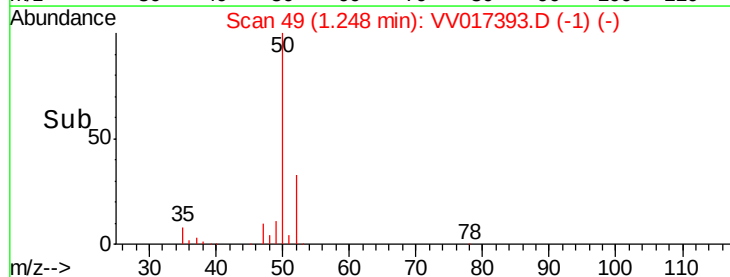
40000

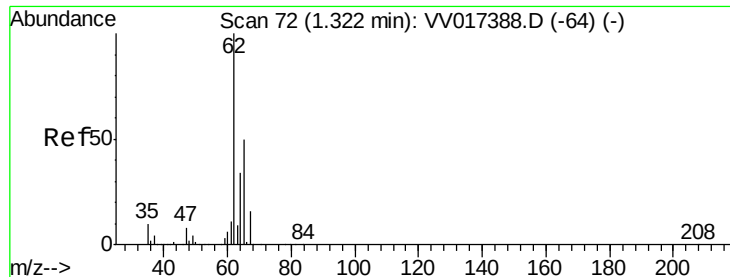
20000

0

1.20 1.25 1.30

Time-->





#5

Vinyl chloride

Concen: 48.774 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV017393.D

Acq: 09 Jul 2020 11:31

Instrument :

MSVOA_V

ClientSampleId :

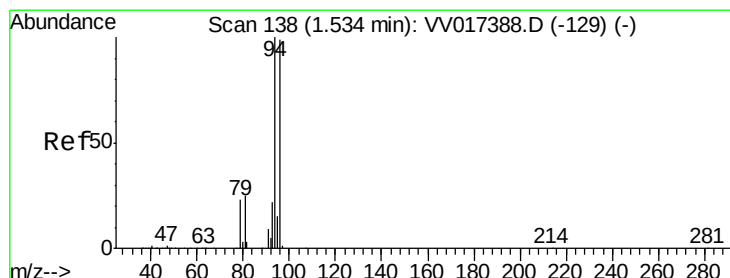
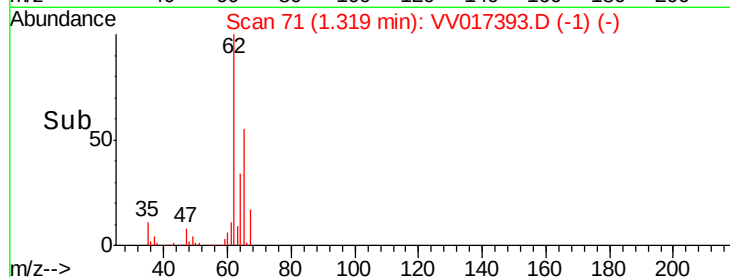
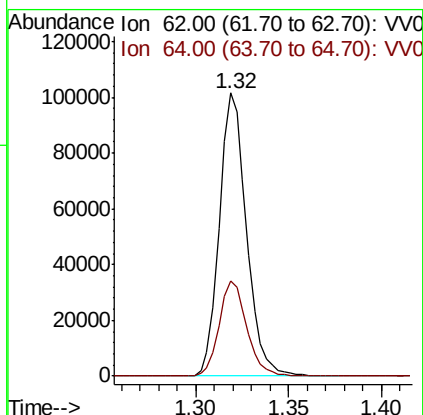
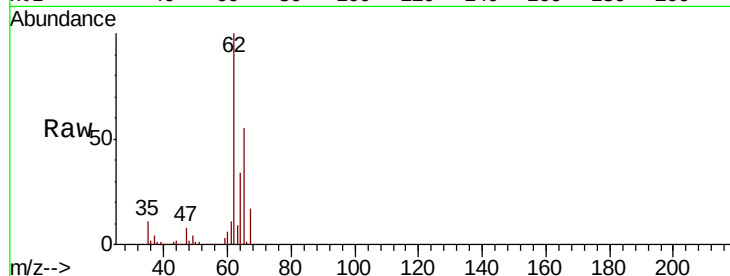
VSTD05077

Tot Ion: 62 Resp: 103072

Ion Ratio Lower Upper

62 100

64 33.7 24.1 44.7



#6

Bromomethane

Concen: 49.356 ug/L

RT: 1.53 min Scan# 137

Delta R.T. -0.00 min

Lab File: VV017393.D

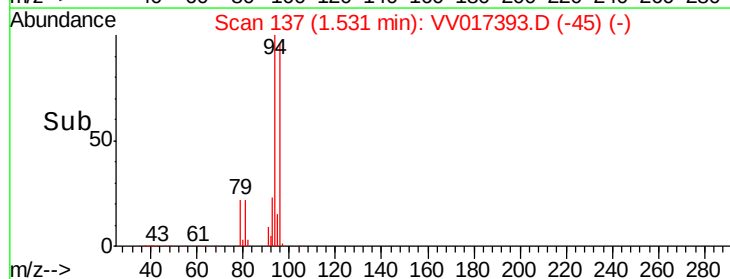
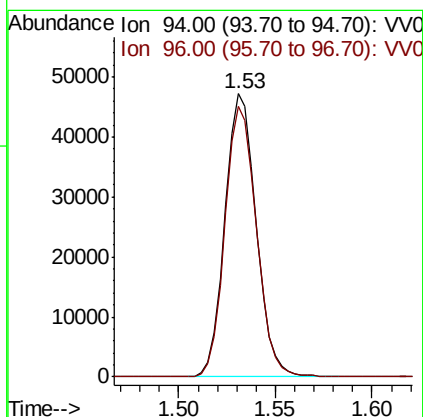
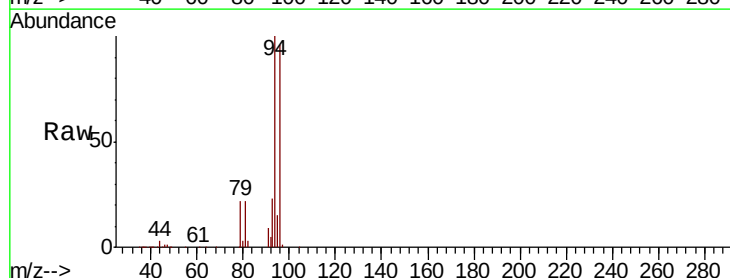
Acq: 09 Jul 2020 11:31

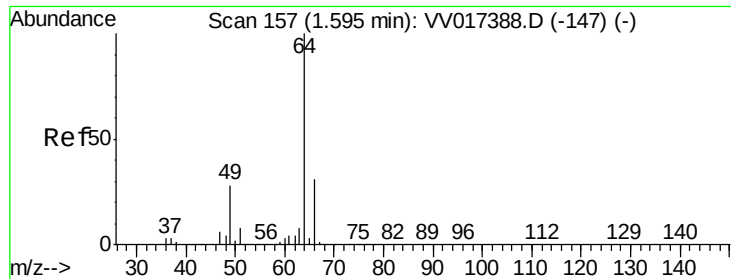
Tgt Ion: 94 Resp: 52943

Ion Ratio Lower Upper

94 100

96 95.7 69.0 128.1





#8

Chloroethane

Concen: 48.466 ug/L

RT: 1.59 min Scan# 156

Delta R.T. -0.00 min

Lab File: VV017393.D

Acq: 09 Jul 2020 11:31

Instrument :

MSVOA_V

ClientSampleId :

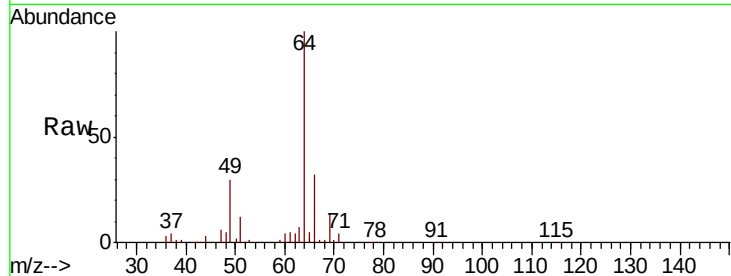
VSTD05077

Tot Ion: 64 Resp: 53143

Ion Ratio Lower Upper

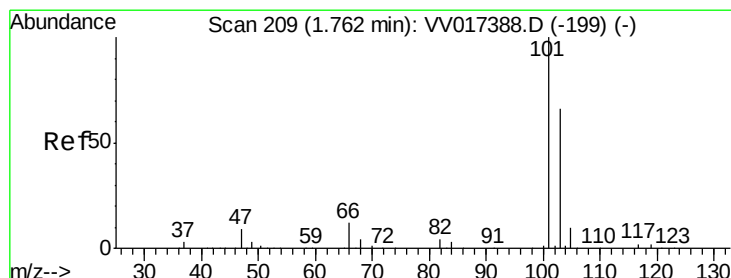
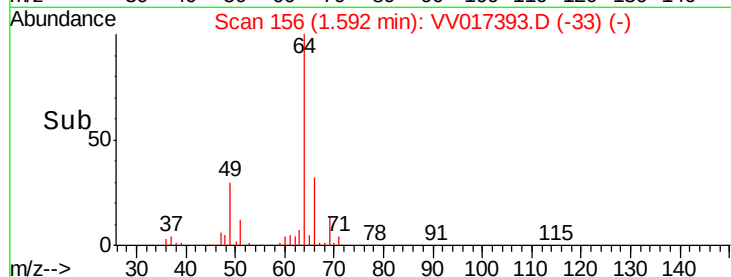
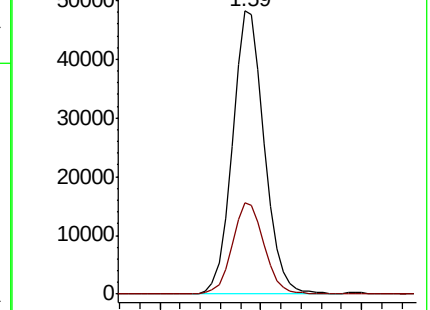
64 100

66 32.1 21.8 40.4



Abundance Ion 64.00 (63.70 to 64.70): VV017388.D (-147) (-)

Ion 66.00 (65.70 to 66.70): VV017388.D (-147) (-)



#9

Trichlorofluoromethane

Concen: 49.917 ug/L

RT: 1.76 min Scan# 209

Delta R.T. 0.00 min

Lab File: VV017393.D

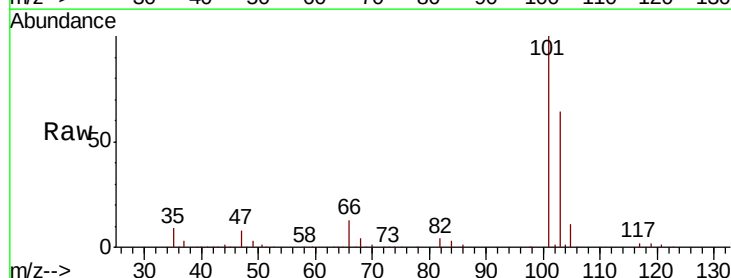
Acq: 09 Jul 2020 11:31

Tgt Ion: 101 Resp: 197485

Ion Ratio Lower Upper

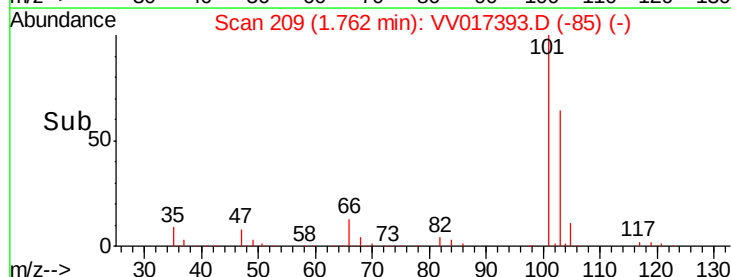
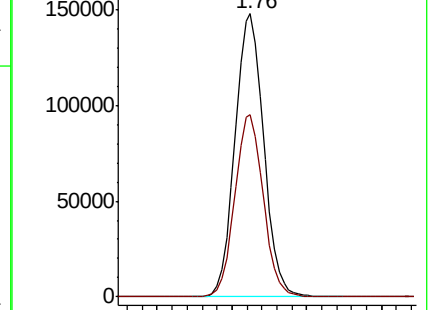
101 100

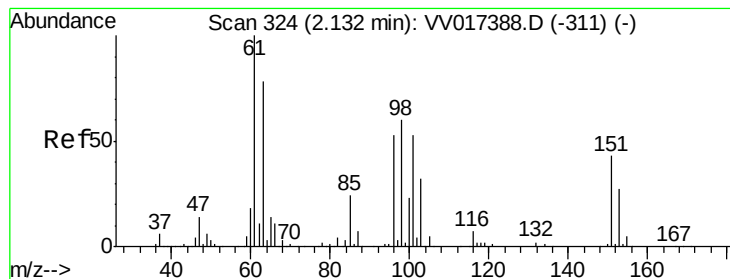
103 63.7 51.9 77.9



Abundance Ion 101.00 (100.70 to 101.70): VV017388.D (-199) (-)

Ion 103.00 (102.70 to 103.70): VV017388.D (-199) (-)





#10

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

Concen: 49.629 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV017393.D

Acq: 09 Jul 2020 11:31

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ClientSampleId :

VSTD05077

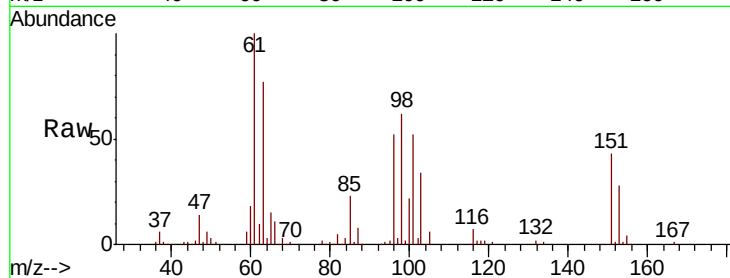
Tot Ion:101 Resp: 91143

Ion Ratio Lower Upper

101 100

85 43.6 36.2 54.4

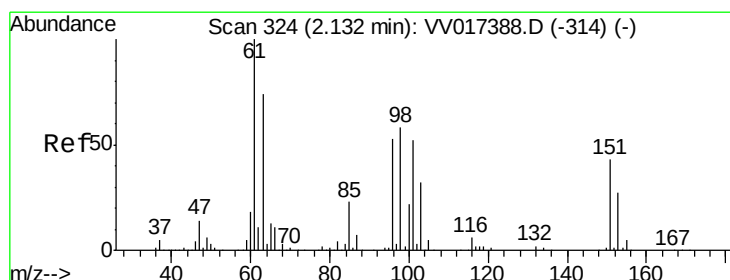
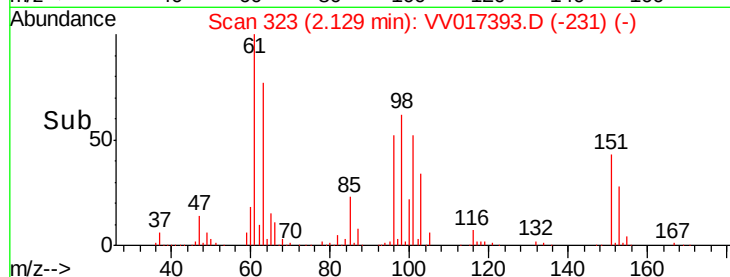
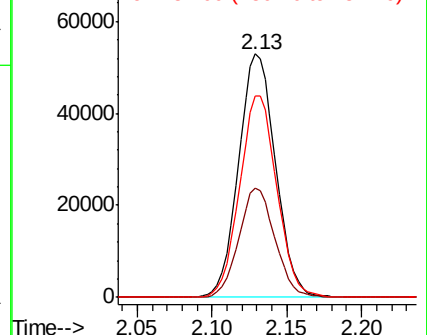
151 83.4 66.8 100.2



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: 47.645 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV017393.D

Acq: 09 Jul 2020 11:31

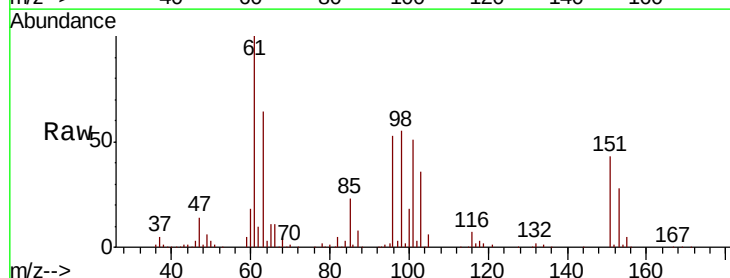
Tgt Ion: 96 Resp: 79141

Ion Ratio Lower Upper

96 100

61 189.3 132.7 246.4

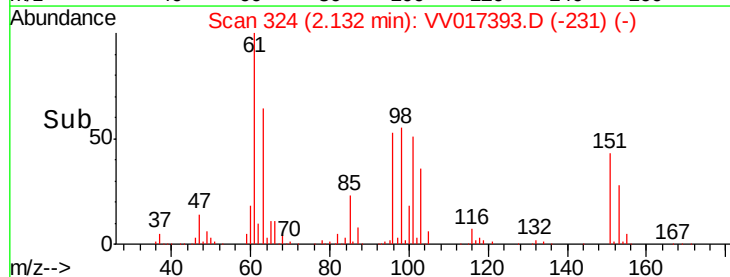
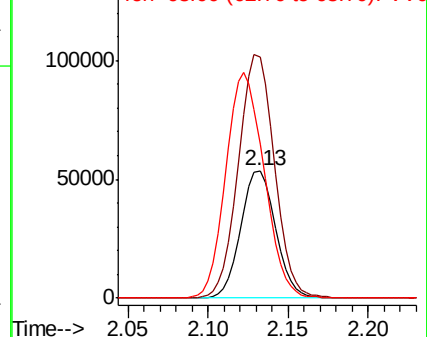
63 121.5 103.3 191.8

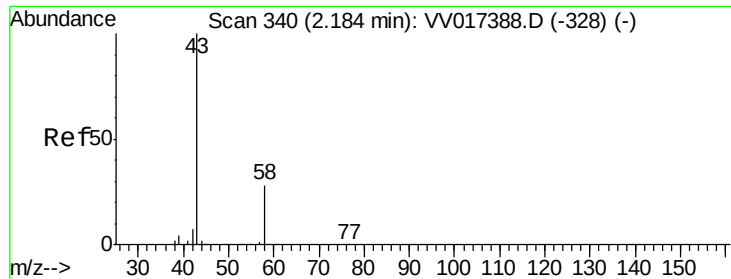


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 112.231 ug/L

RT: 2.18 min Scan# 340

Delta R.T. 0.00 min

Lab File: VV017393.D

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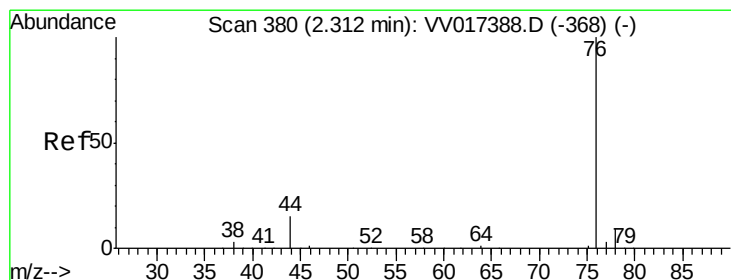
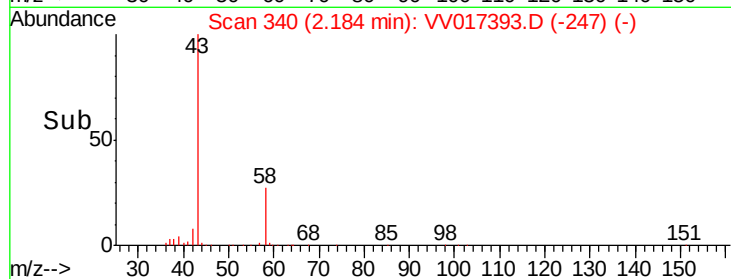
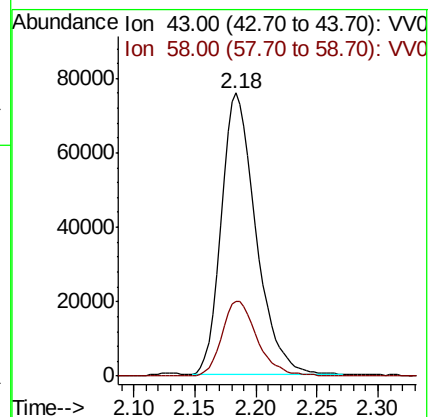
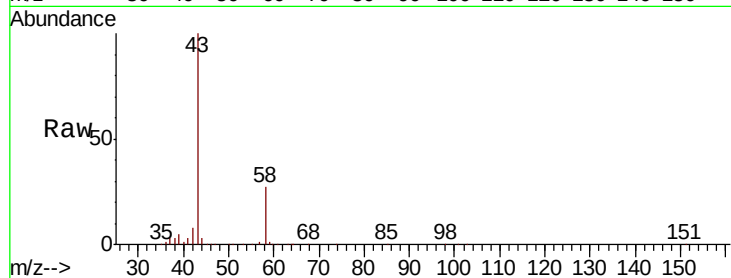
VSTD05077

Tot Ion: 43 Resp: 150231

Ion Ratio Lower Upper

43 100

58 27.6 0.0 56.0



#14

Carbon disulfide

Concen: 47.680 ug/L

RT: 2.31 min Scan# 379

Delta R.T. -0.00 min

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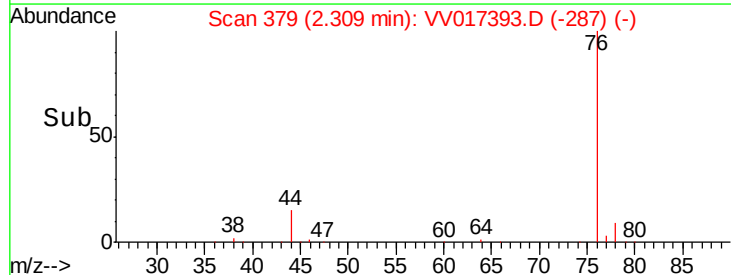
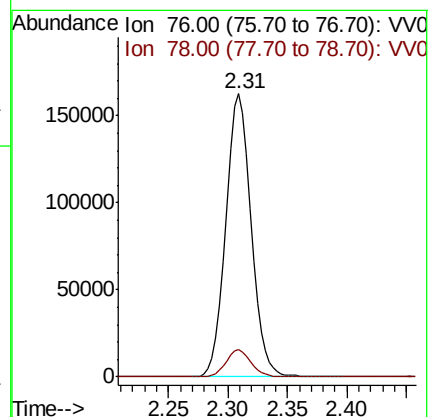
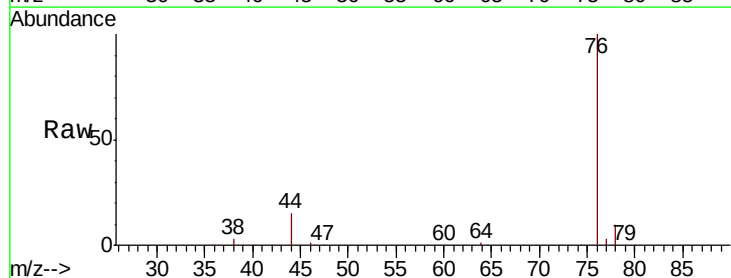
Acq: 09 Jul 2020 11:31

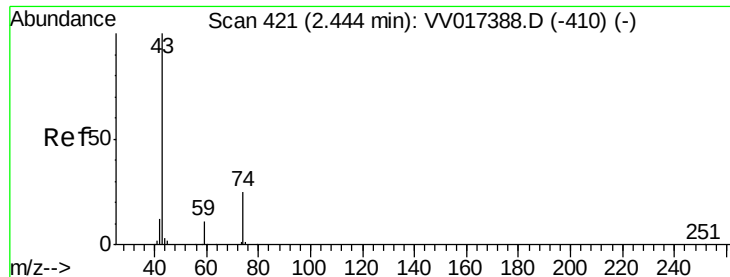
Tgt Ion: 76 Resp: 241050

Ion Ratio Lower Upper

76 100

78 9.6 7.4 11.2

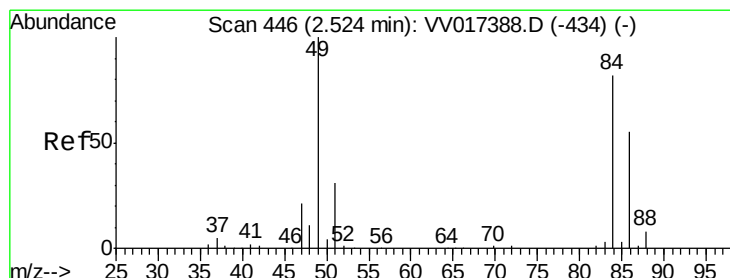
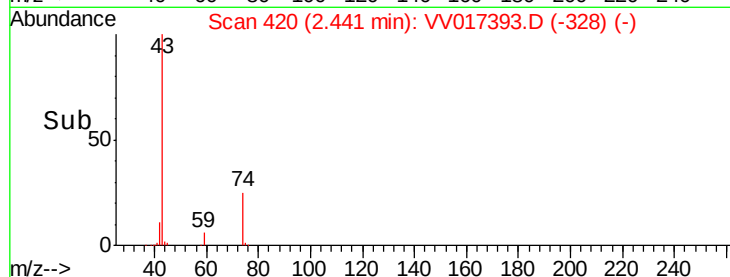
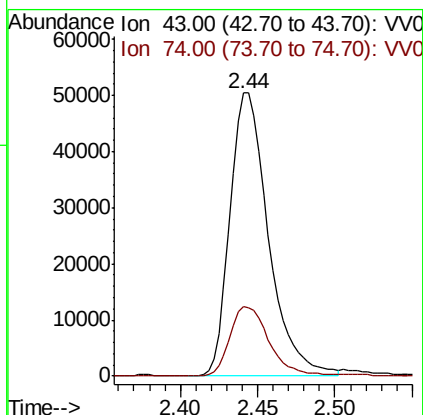
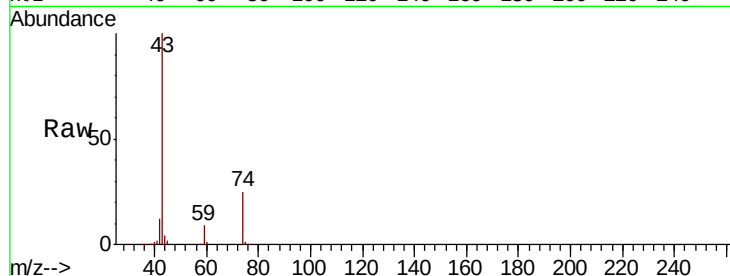




#15
Methvl Acetate
Concen: 49.187 ug/L
RT: 2.44 min Scan# 420
Delta R.T. -0.00 min
Lab File: VV017393.D
Acq: 09 Jul 2020 11:31

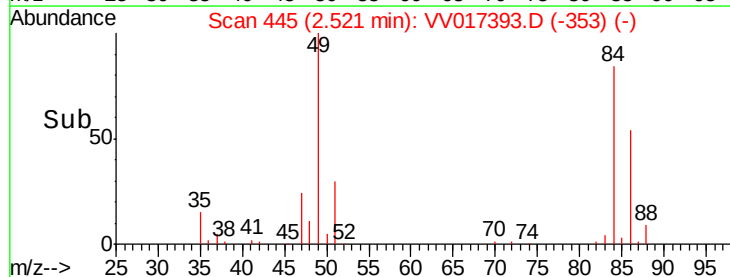
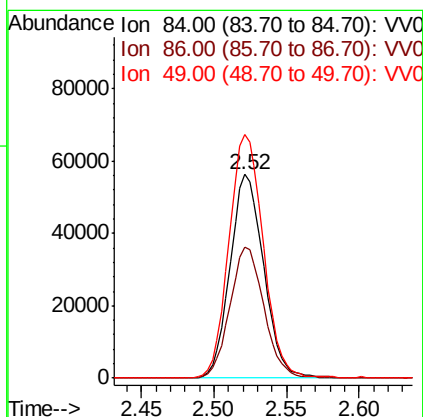
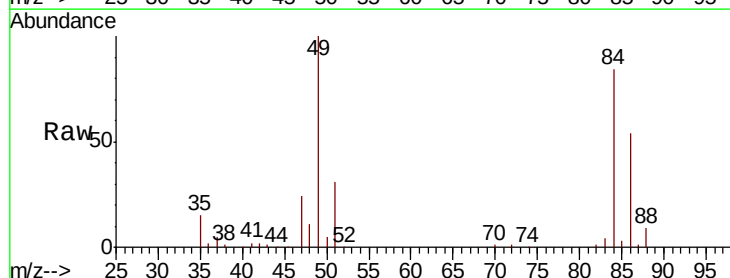
Instrument :
MSVOA_V
ClientSampleId :
VSTD05077

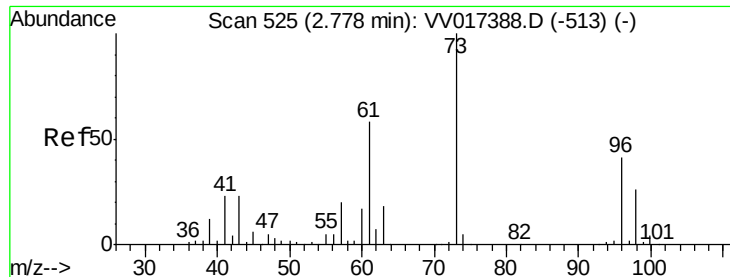
Tot Ion: 43 Resp: 87395
Ion Ratio Lower Upper
43 100
74 24.9 20.2 30.4



#16
Methylene chloride
Concen: 47.106 ug/L
RT: 2.52 min Scan# 445
Delta R.T. -0.00 min
Lab File: VV017393.D
Acq: 09 Jul 2020 11:31

Tgt Ion: 84 Resp: 91097
Ion Ratio Lower Upper
84 100
86 64.0 46.5 86.5
49 119.5 85.3 158.5

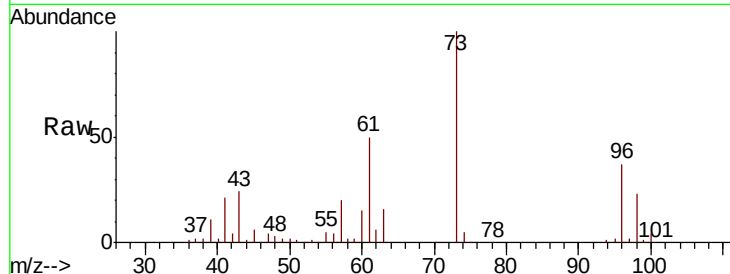




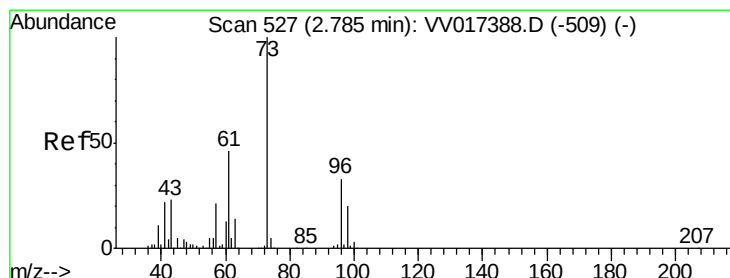
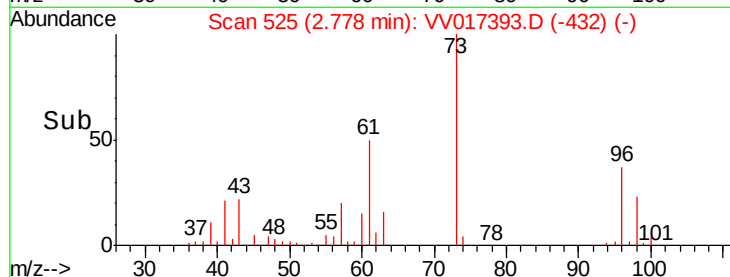
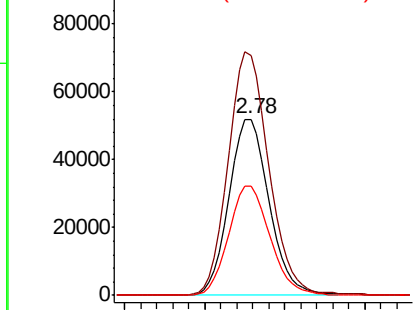
#17
trans-1,2-Dichloroethene
Concen: 49.179 ug/L
RT: 2.78 min Scan# 525
Delta R.T. 0.00 min
Lab File: VV017393.D
Acq: 09 Jul 2020 11:31

Instrument :
MSVOA_V
ClientSampleId :
VSTD05077

Tot Ion: 96 Resp: 88833
Ion Ratio Lower Upper
96 100
61 136.5 99.0 184.0
98 61.9 44.4 82.5

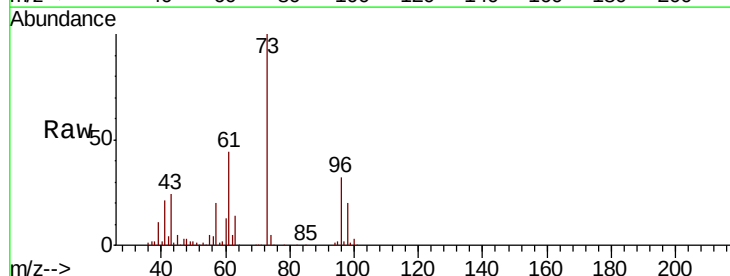


Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 98.00 (97.70 to 98.70): VV0

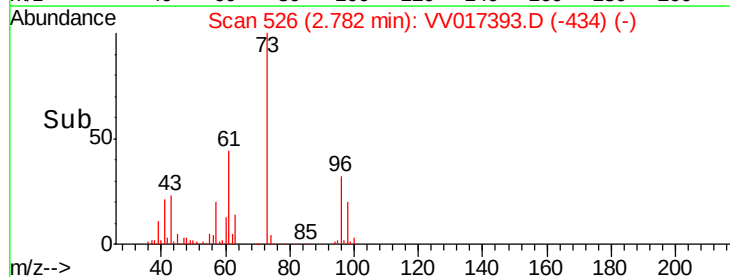
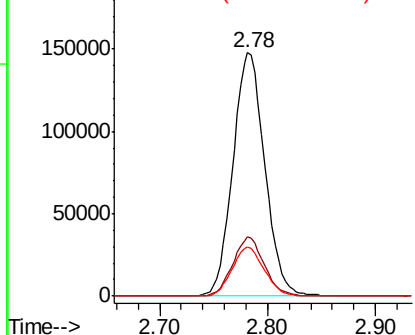


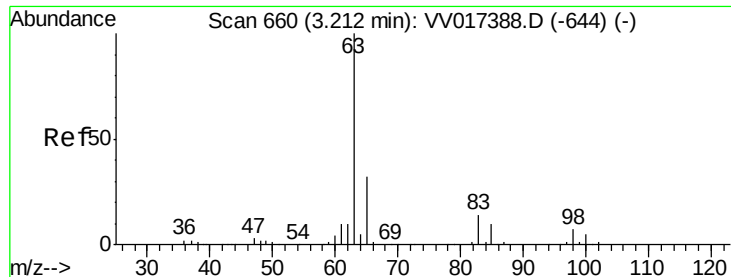
#18
Methyl tert-butyl Ether
Concen: 50.432 ug/L
RT: 2.78 min Scan# 526
Delta R.T. -0.00 min
Lab File: VV017393.D
Acq: 09 Jul 2020 11:31

Tgt Ion: 73 Resp: 303917
Ion Ratio Lower Upper
73 100
43 24.1 18.2 27.2
57 20.3 16.2 24.4



Abundance Ion 73.00 (72.70 to 73.70): VV0
Ion 43.00 (42.70 to 43.70): VV0
Ion 57.00 (56.70 to 57.70): VV0

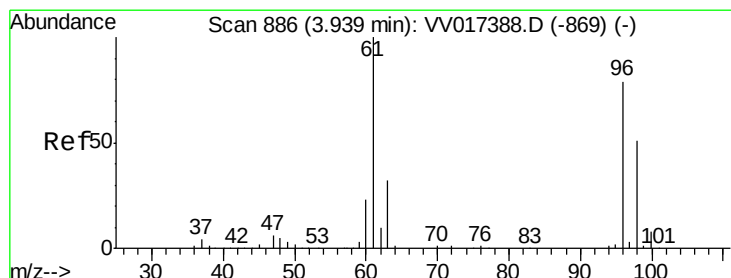
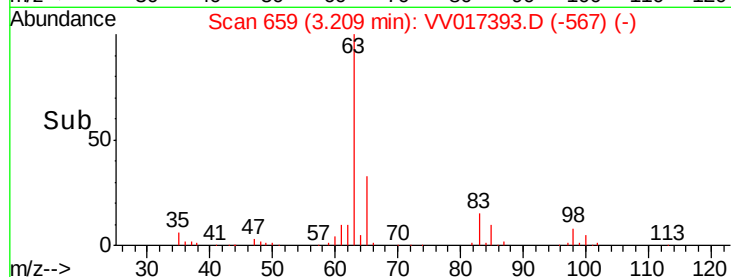
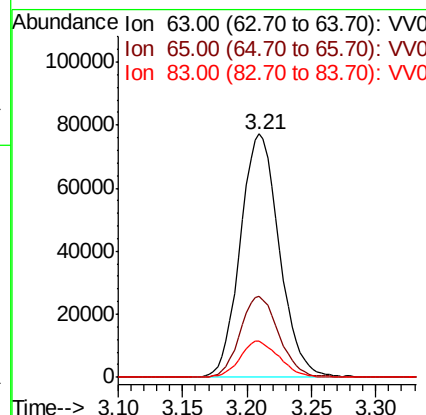
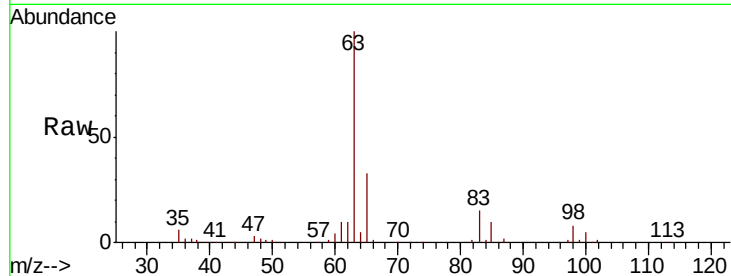




#19
 1,1-Dichloroethane
 Concen: 48.954 ug/L
 RT: 3.21 min Scan# 659
 Delta R.T. -0.00 min
 Lab File: VV017393.D
 Acq: 09 Jul 2020 11:31

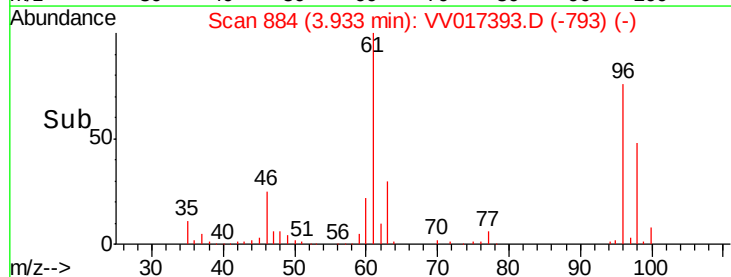
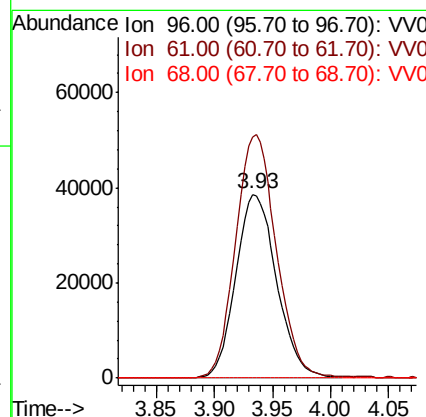
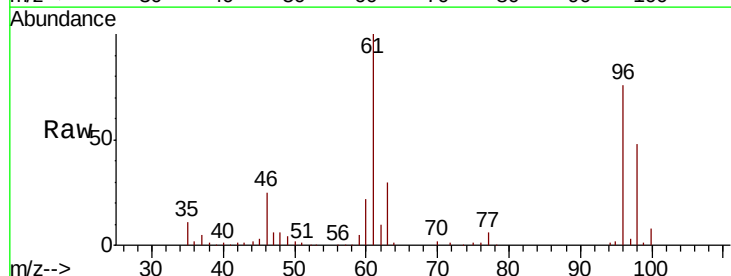
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05077

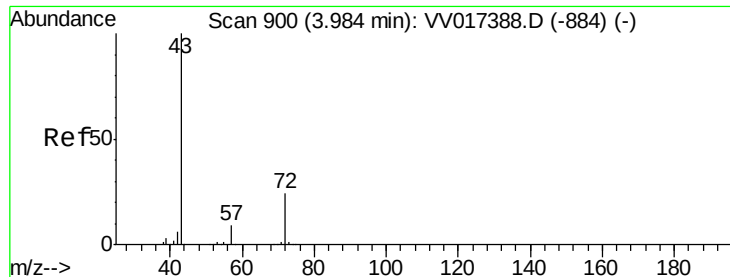
Tot Ion: 63 Resp: 162597
 Ion Ratio Lower Upper
 63 100
 65 33.1 22.1 41.1
 83 14.8 10.1 18.9



#20
 cis-1,2-Dichloroethene
 Concen: 48.770 ug/L
 RT: 3.93 min Scan# 884
 Delta R.T. -0.01 min
 Lab File: VV017393.D
 Acq: 09 Jul 2020 11:31

Tgt Ion: 96 Resp: 94390
 Ion Ratio Lower Upper
 96 100
 61 131.3 88.9 165.1
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 112.095 ug/L

RT: 3.98 min Scan# 900

Delta R.T. 0.00 min

Lab File: VV017393.D

Acq: 09 Jul 2020 11:31

Instrument :

MSVOA_V

ClientSampleId :

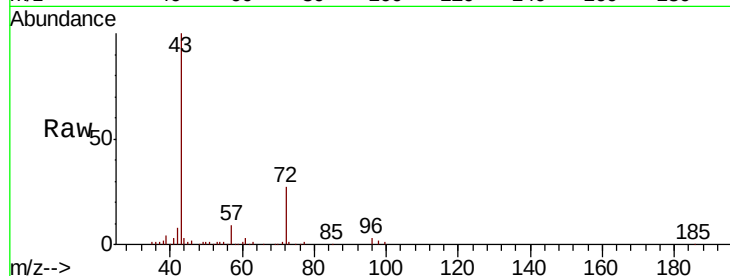
VSTD05077

Tot Ion: 43 Resp: 146672

Ion Ratio Lower Upper

43 100

72 26.2 11.9 35.5

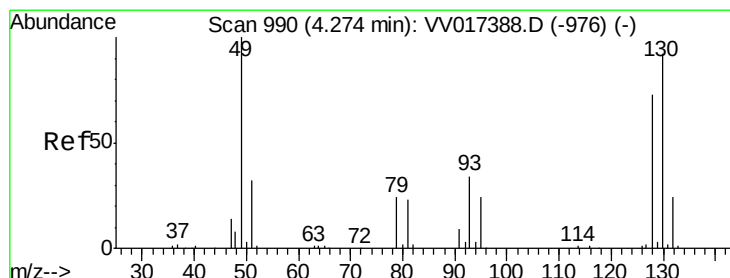
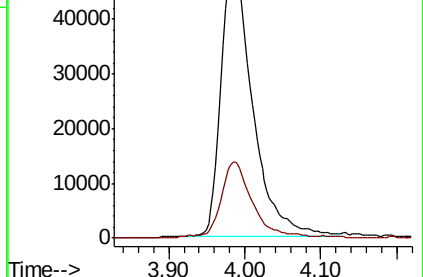
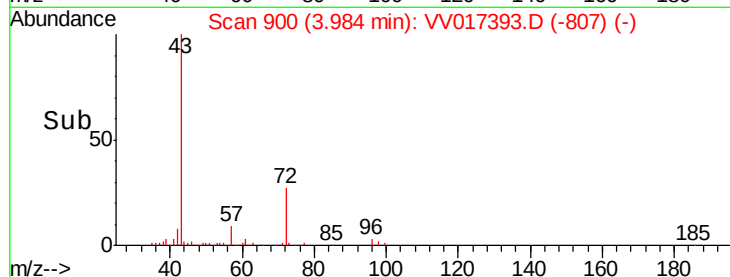


Abundance Ion 43.00 (42.70 to 43.70): VV017388.D (-884) (-)

Ion 72.00 (71.70 to 72.70): VV017388.D (-884) (-)

3.98

Time-->



#23

Bromochloromethane

Concen: 48.803 ug/L

RT: 4.27 min Scan# 990

Delta R.T. 0.00 min

Lab File: VV017393.D

Acq: 09 Jul 2020 11:31

Tgt Ion:128 Resp: 52556

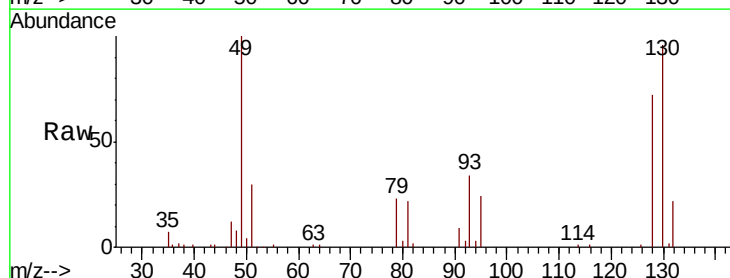
Ion Ratio Lower Upper

128 100

49 139.7 96.7 179.5

130 134.7 88.3 164.1

51 41.9 36.1 54.1



Abundance Ion 128.00 (127.70 to 128.70): VV017388.D (-976) (-)

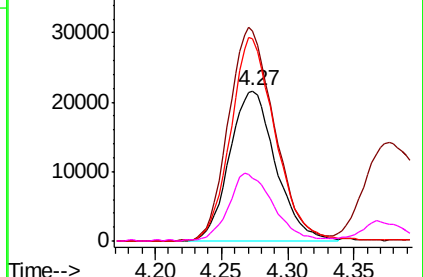
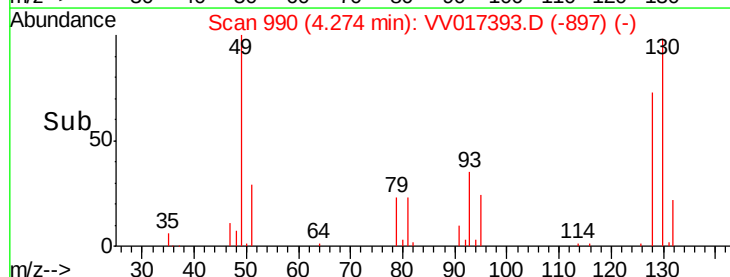
Ion 49.00 (48.70 to 49.70): VV017388.D (-976) (-)

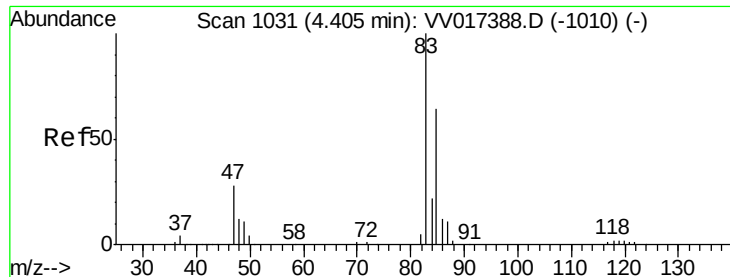
Ion 130.00 (129.70 to 130.70): VV017388.D (-976) (-)

Ion 51.00 (50.70 to 51.70): VV017388.D (-976) (-)

4.27

Time-->

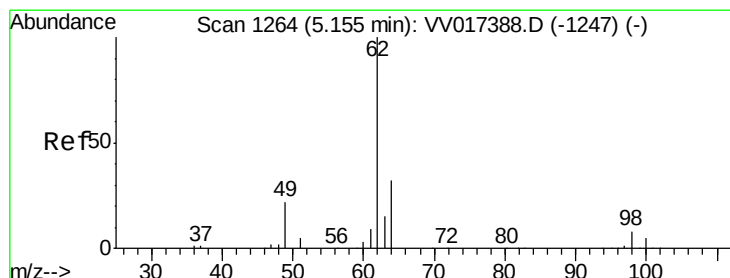
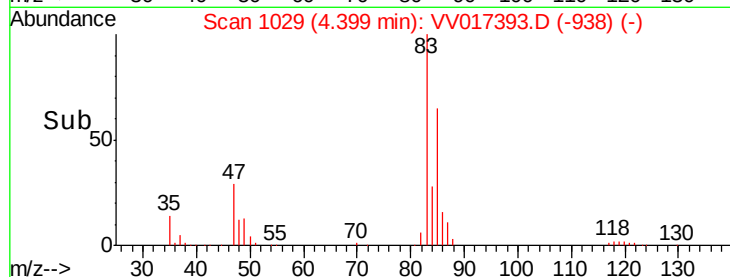
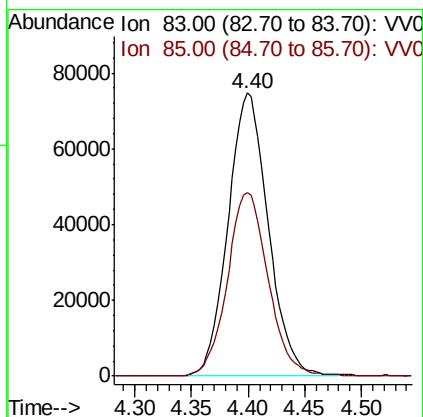
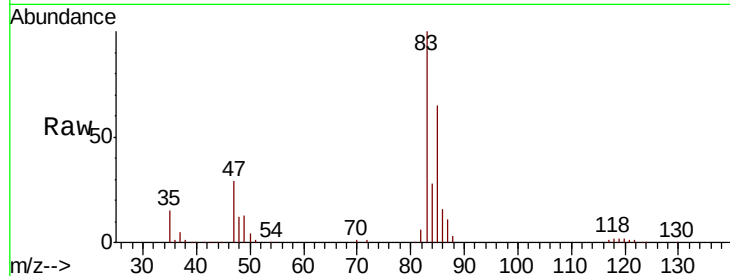




#25
Chloroform
Concen: 49.566 ug/L
RT: 4.40 min Scan# 1029
Delta R.T. -0.01 min
Lab File: VV017393.D
Acq: 09 Jul 2020 11:31

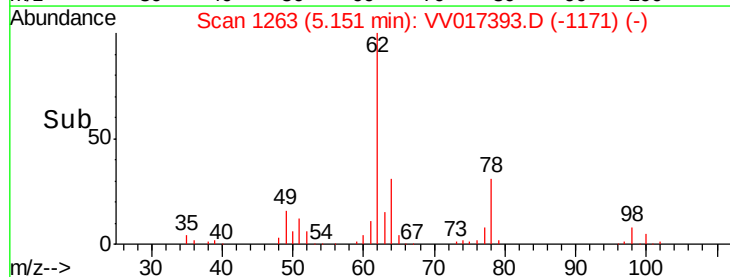
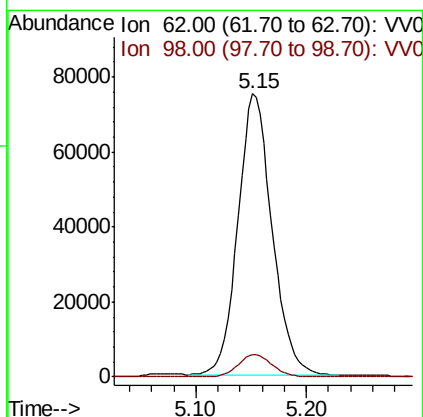
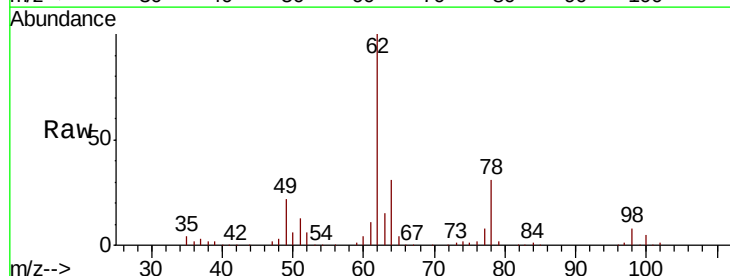
Instrument :
MSVOA_V
ClientSampleId :
VSTD05077

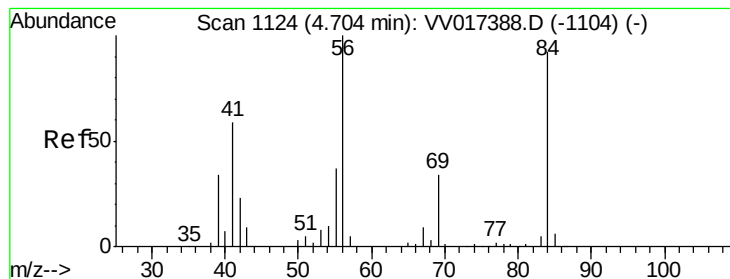
Tot Ion: 83 Resp: 184786
Ion Ratio Lower Upper
83 100
85 65.0 45.1 83.9



#27
1,2-Dichloroethane
Concen: 49.245 ug/L
RT: 5.15 min Scan# 1263
Delta R.T. -0.00 min
Lab File: VV017393.D
Acq: 09 Jul 2020 11:31

Tgt Ion: 62 Resp: 161373
Ion Ratio Lower Upper
62 100
98 7.9 6.4 9.6





#29

Cyclohexane

Concen: 49.241 ug/L

RT: 4.70 min Scan# 1123

Delta R.T. -0.00 min

Lab File: VV017393.D

Acq: 09 Jul 2020 11:31

Instrument :

MSVOA_V

ClientSampleId :

VSTD05077

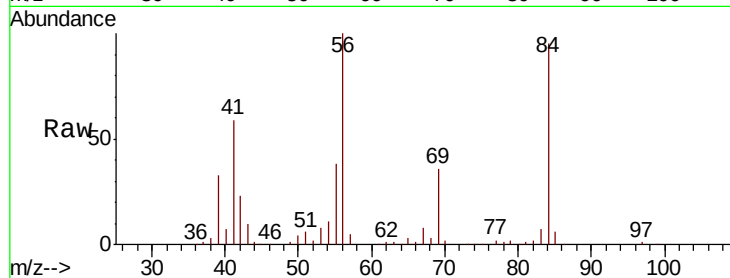
Tot Ion: 56 Resp: 136875

Ion Ratio Lower Upper

56 100

69 33.9 27.0 40.4

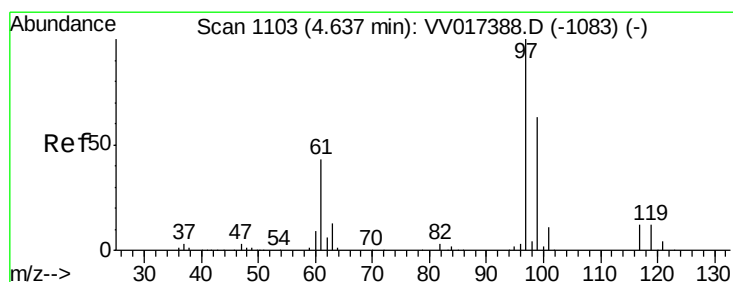
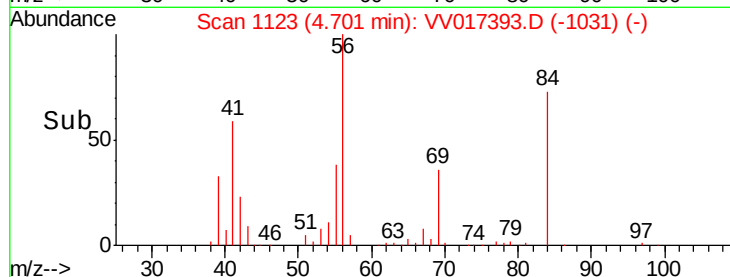
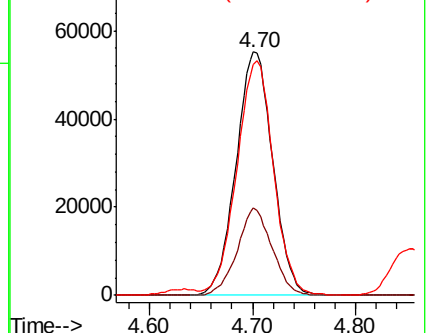
84 96.3 77.4 116.0



Abundance Ion 56.00 (55.70 to 56.70): VV017388.D (-1104) (-)

Ion 69.00 (68.70 to 69.70): VV017388.D (-1104) (-)

Ion 84.00 (83.70 to 84.70): VV017388.D (-1104) (-)



#30

1,1,1-Trichloroethane

Concen: 51.229 ug/L

RT: 4.63 min Scan# 1102

Delta R.T. -0.00 min

Lab File: VV017393.D

Acq: 09 Jul 2020 11:31

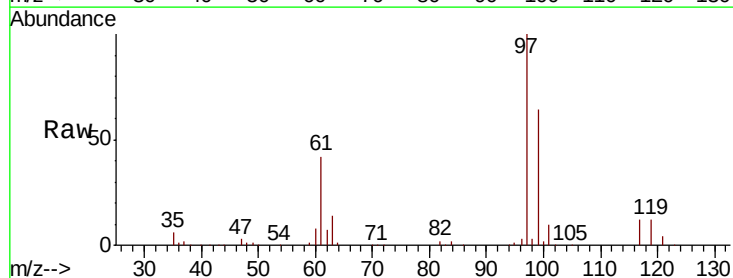
Tgt Ion: 97 Resp: 187781

Ion Ratio Lower Upper

97 100

99 62.6 51.3 76.9

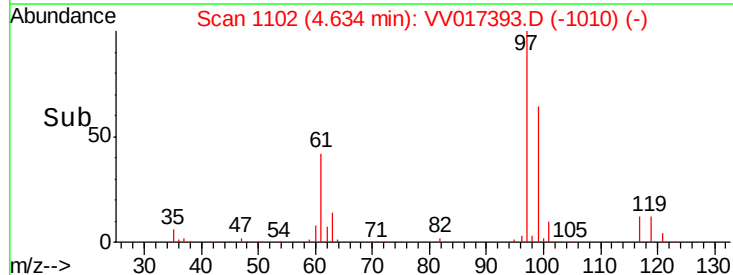
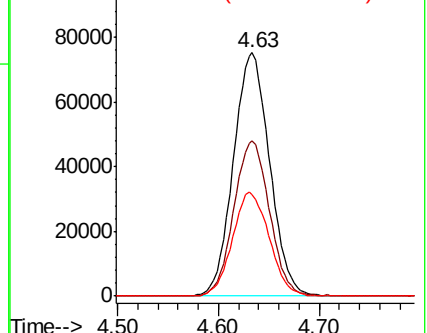
61 42.8 34.1 51.1

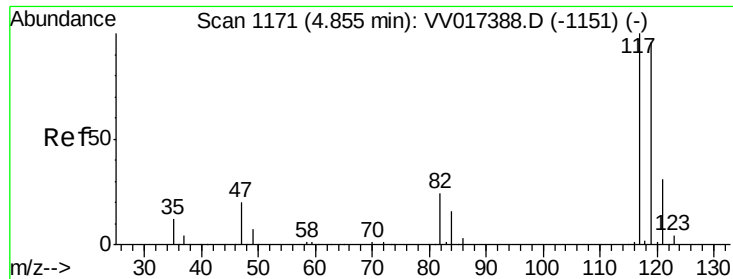


Abundance Ion 97.00 (96.70 to 97.70): VV017388.D (-1083) (-)

Ion 99.00 (98.70 to 99.70): VV017388.D (-1083) (-)

Ion 61.05 (60.75 to 61.75): VV017388.D (-1083) (-)





#31

Carbon tetrachloride

Concen: 50.574 ug/L

RT: 4.85 min Scan# 1170

Delta R.T. -0.00 min

Lab File: VV017393.D

Acq: 09 Jul 2020 11:31

Instrument :

MSVOA_V

ClientSampleId :

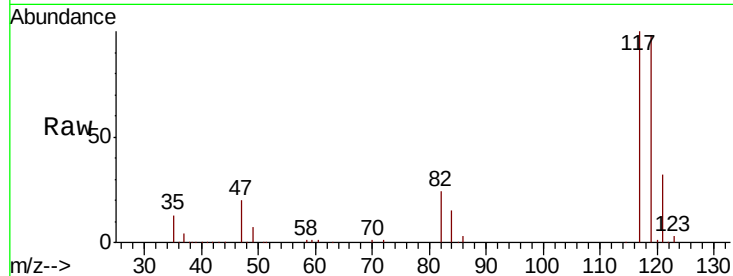
VSTD05077

Tot Ion:117 Resp: 169678

Ion Ratio Lower Upper

117 100

119 96.5 77.4 116.0



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

4.85

80000

60000

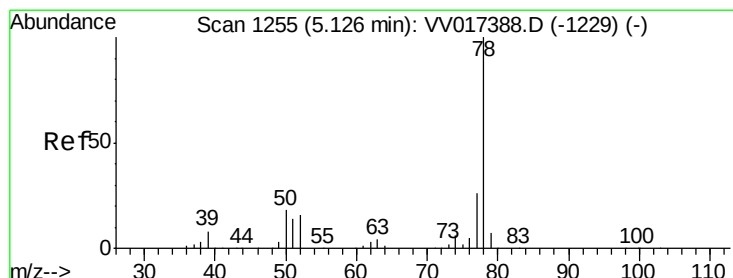
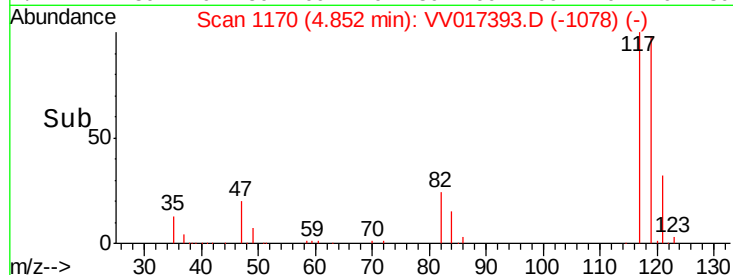
40000

20000

0

4.80 4.90 5.00

Time-->



#33

Benzene

Concen: 50.196 ug/L

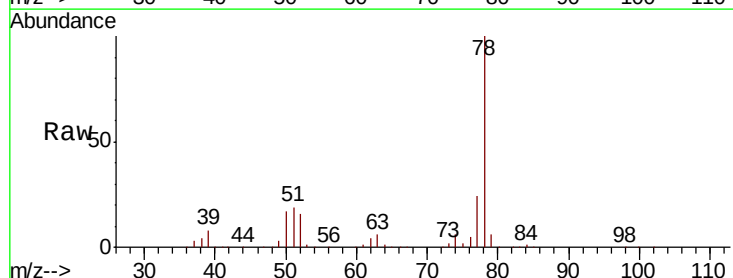
RT: 5.12 min Scan# 1254

Delta R.T. -0.00 min

Lab File: VV017393.D

Acq: 09 Jul 2020 11:31

Tgt Ion: 78 Resp: 353687



Abundance Ion 78.00 (77.70 to 78.70): VV0

5.12

150000

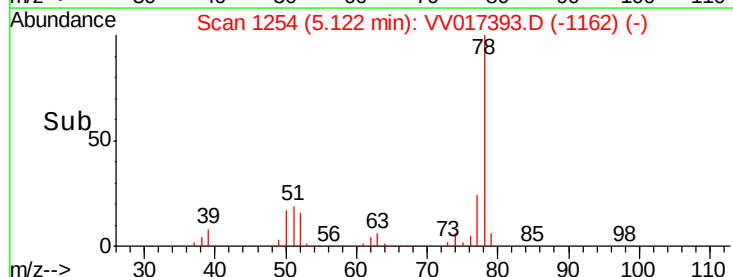
100000

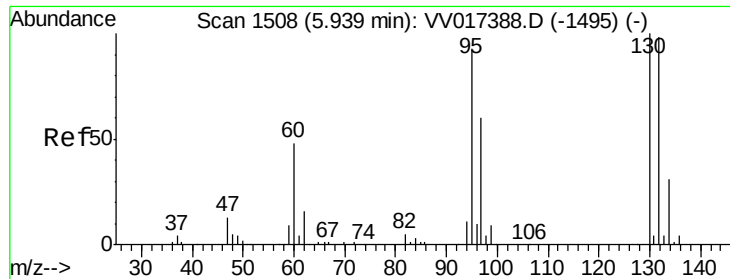
50000

0

5.00 5.10 5.20

Time-->





#34

Trichloroethene

Concen: 47.786 ug/L

RT: 5.94 min Scan# 1507

Delta R.T. -0.00 min

Lab File: VV017393.D

Acq: 09 Jul 2020 11:31

Instrument :

MSVOA_V

ClientSampleId :

VSTD05077

Tot Ion: 95 Resp: 99964

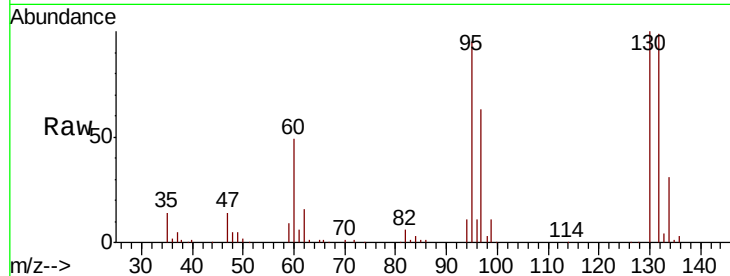
Ion Ratio Lower Upper

95 100

97 66.0 45.6 84.6

132 104.4 74.1 137.5

130 105.2 75.5 140.3

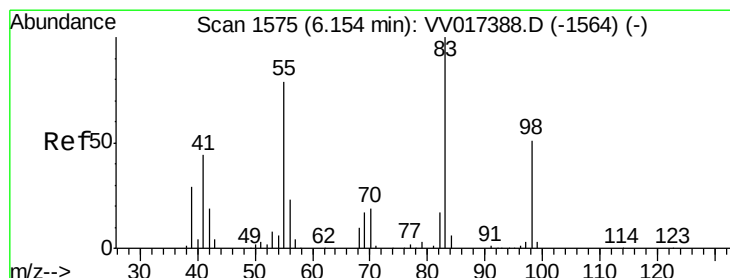
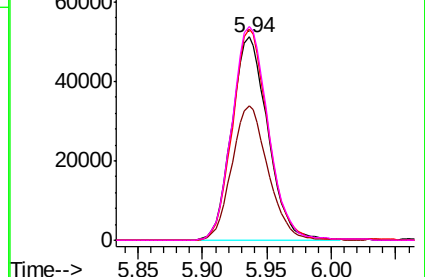
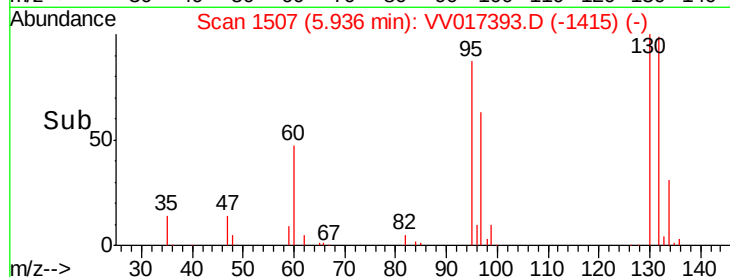


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 49.873 ug/L

RT: 6.15 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VV017393.D

Acq: 09 Jul 2020 11:31

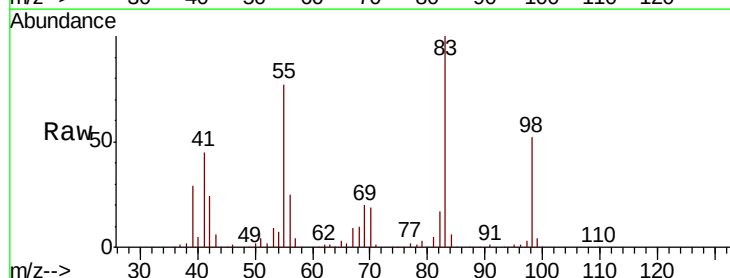
Tgt Ion: 83 Resp: 152779

Ion Ratio Lower Upper

83 100

55 77.2 61.0 91.6

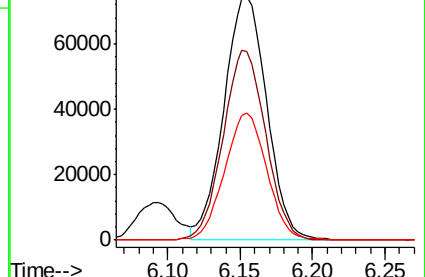
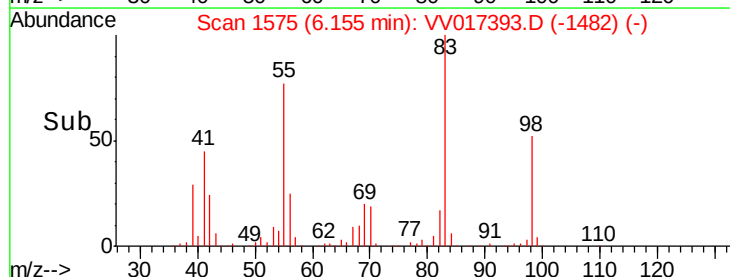
98 51.3 41.3 61.9

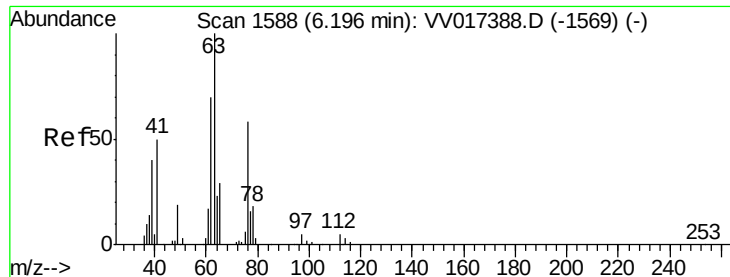


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0





#37

1,2-Dichloropropane

Concen: 49.454 ug/L

RT: 6.20 min Scan# 1588

Delta R.T. 0.00 min

Lab File: VV017393.D

Acq: 09 Jul 2020 11:31

Instrument :

MSVOA_V

ClientSampleId :

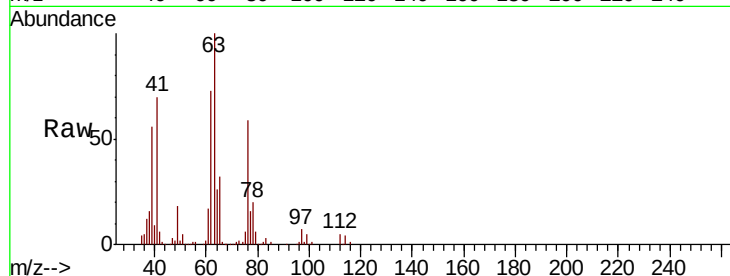
VSTD05077

Tot Ion: 63 Resp: 85226

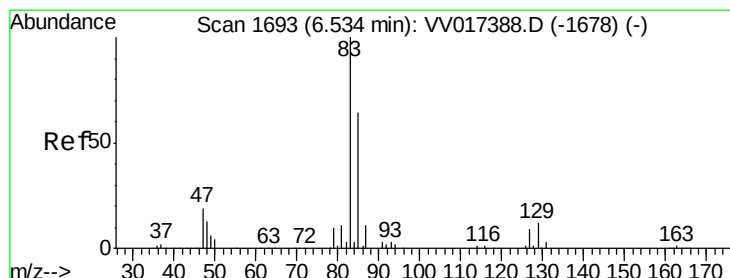
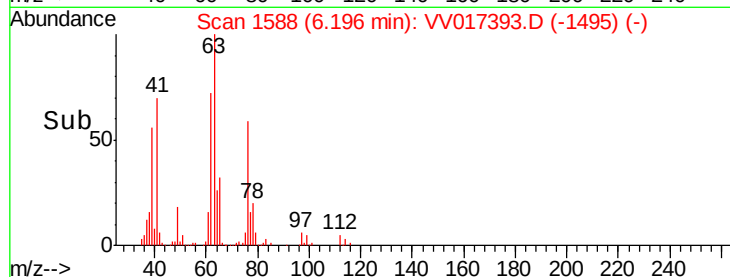
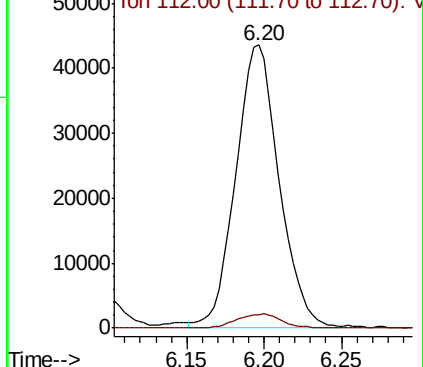
Ion Ratio Lower Upper

63 100

112 5.3 4.4 6.6



Abundance Ion 63.00 (62.70 to 63.70): VV017388.D (-1569) (-)



#38

Bromodichloromethane

Concen: 50.307 ug/L

RT: 6.53 min Scan# 1692

Delta R.T. -0.00 min

Lab File: VV017393.D

Acq: 09 Jul 2020 11:31

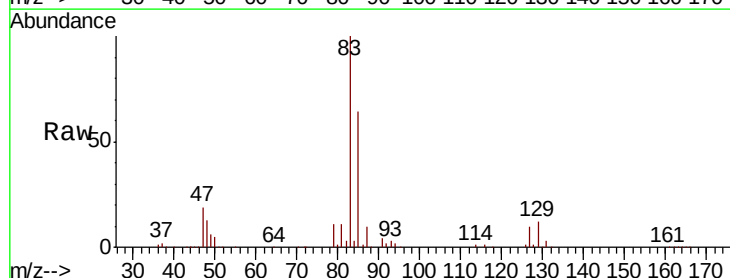
Tgt Ion: 83 Resp: 141171

Ion Ratio Lower Upper

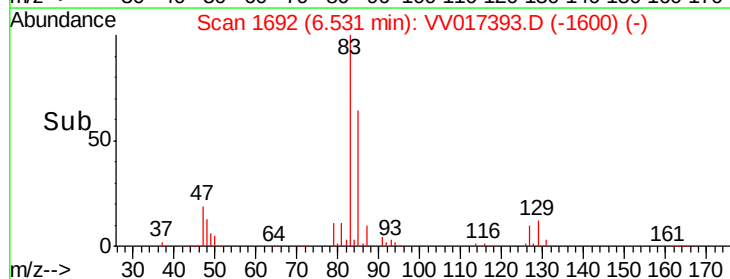
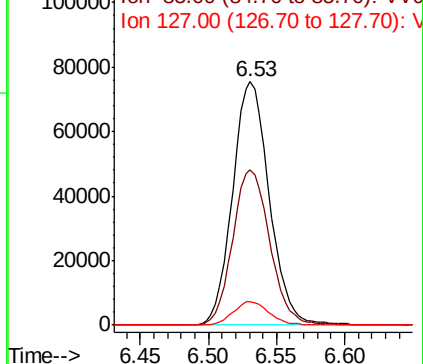
83 100

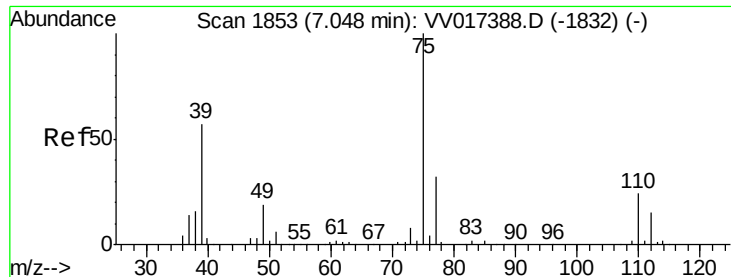
85 64.0 44.6 82.8

127 9.7 7.4 11.2



Abundance Ion 83.00 (82.70 to 83.70): VV017388.D (-1678) (-)

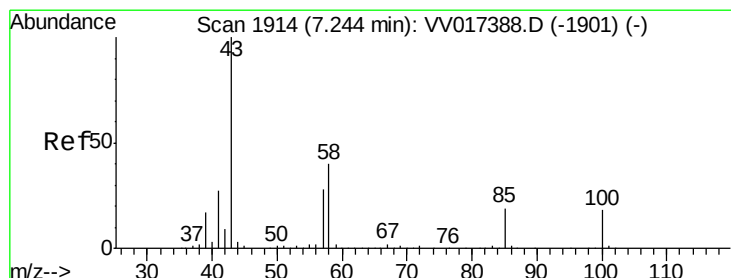
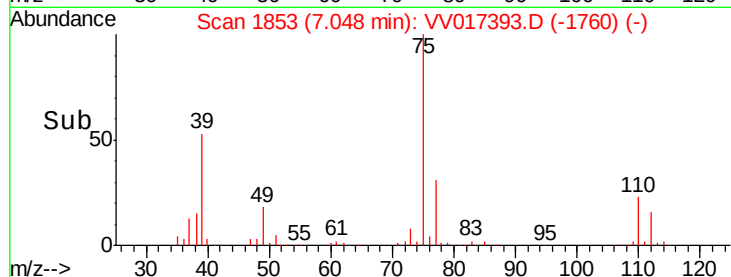
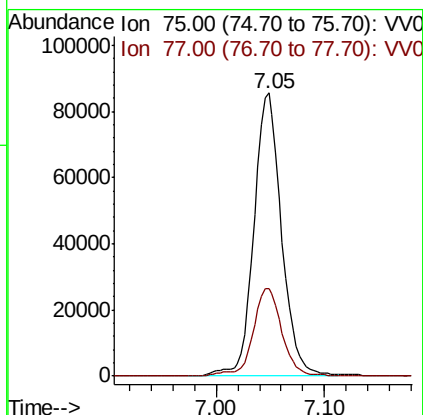
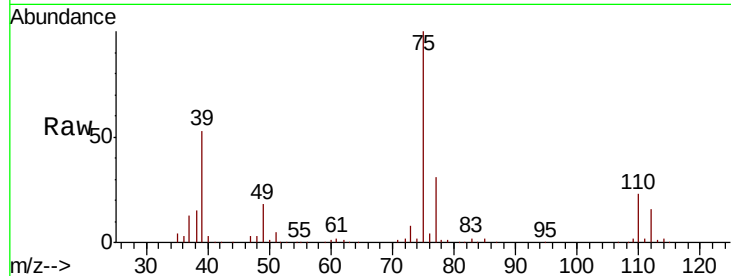




#39
 cis-1,3-Dichloropropene
 Concen: 51.840 ug/L
 RT: 7.05 min Scan# 1853
 Delta R.T. 0.00 min
 Lab File: VV017393.D
 Acq: 09 Jul 2020 11:31

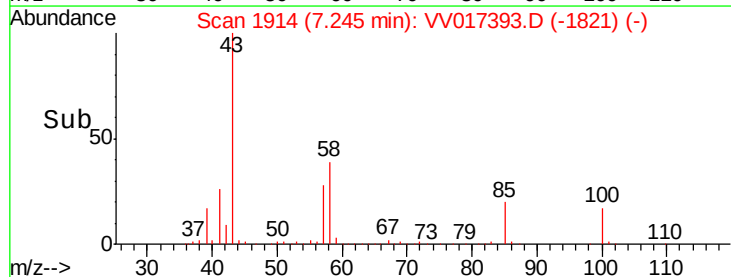
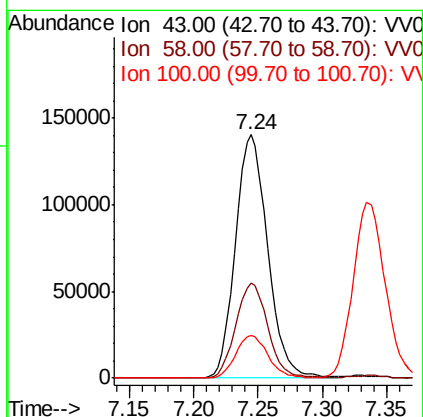
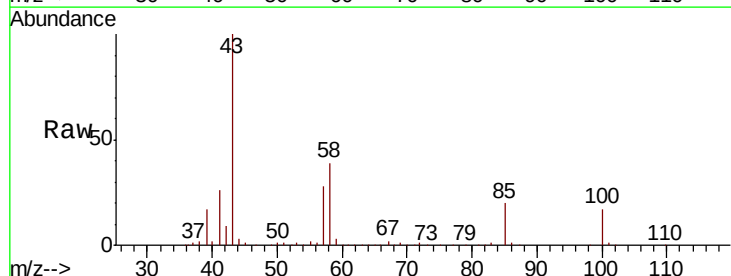
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05077

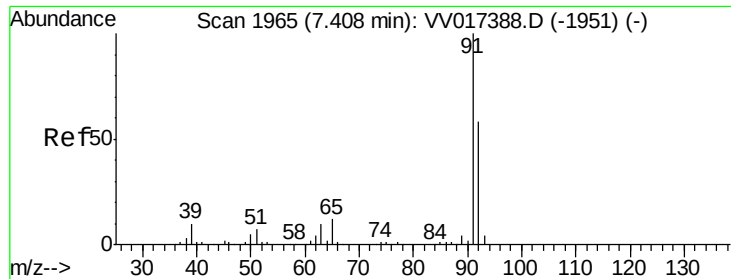
Tot Ion: 75 Resp: 152250
 Ion Ratio Lower Upper
 75 100
 77 31.0 22.2 41.2



#40
 4-Methyl-2-pentanone
 Concen: 102.527 ug/L
 RT: 7.24 min Scan# 1914
 Delta R.T. 0.00 min
 Lab File: VV017393.D
 Acq: 09 Jul 2020 11:31

Tgt Ion: 43 Resp: 244320
 Ion Ratio Lower Upper
 43 100
 58 38.7 32.2 48.4
 100 17.6 14.1 21.1





#42

Toluene

Concen: 50.327 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VV017393.D

Acq: 09 Jul 2020 11:31

Instrument :

MSVOA_V

ClientSampleId :

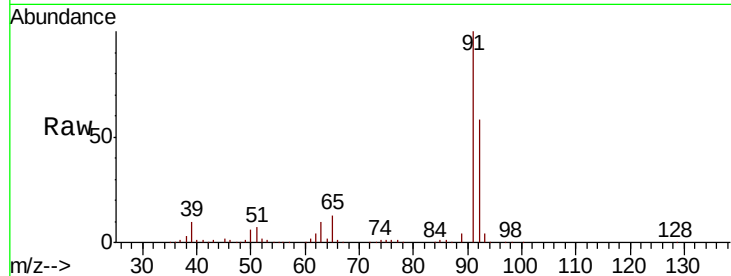
VSTD05077

Tot Ion: 91 Resp: 396352

Ion Ratio Lower Upper

91 100

92 57.8 40.8 75.8



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 92.00 (91.70 to 92.70): VV0

7.41

250000

200000

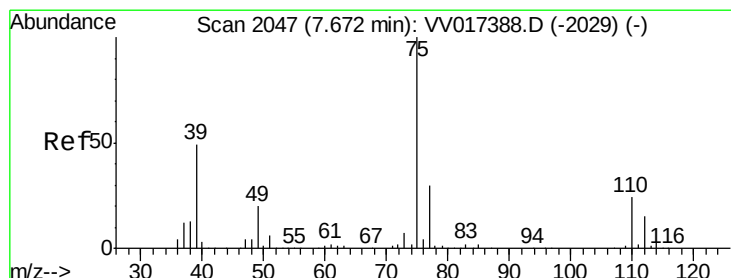
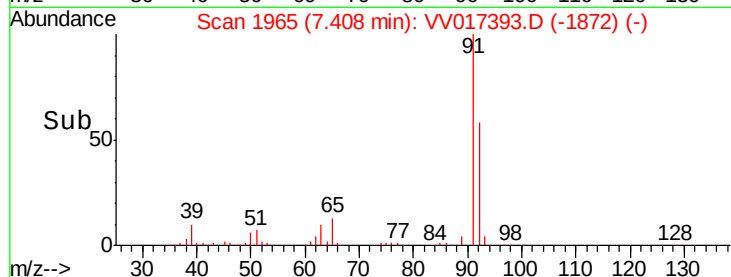
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 52.312 ug/L

RT: 7.67 min Scan# 2046

Delta R.T. -0.00 min

Lab File: VV017393.D

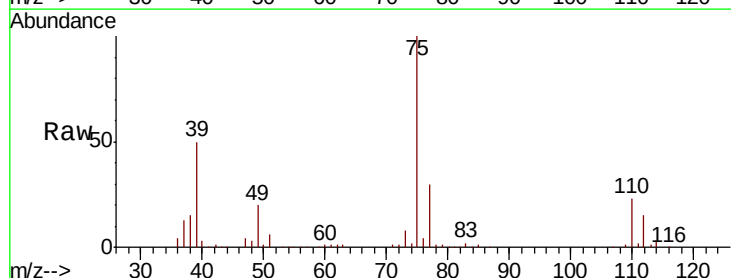
Acq: 09 Jul 2020 11:31

Tgt Ion: 75 Resp: 158905

Ion Ratio Lower Upper

75 100

77 30.3 21.3 39.5



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

7.67

100000

80000

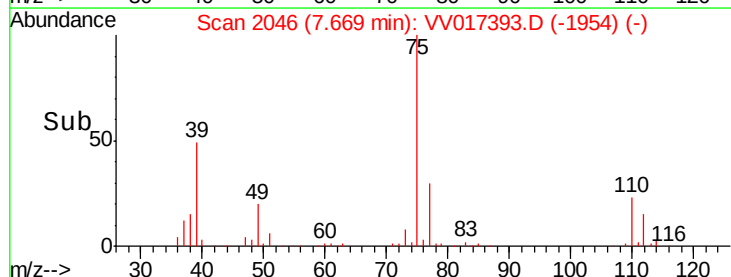
60000

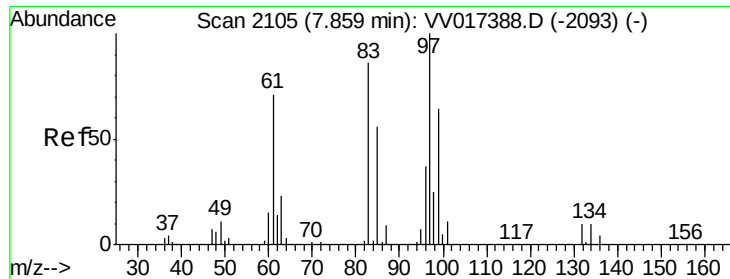
40000

20000

0

Time-->

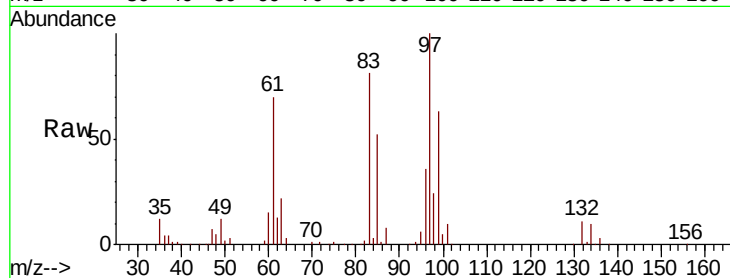




#45
 1,1,2-Trichloroethane
 Concen: 48.949 ug/L
 RT: 7.86 min Scan# 2105
 Delta R.T. 0.00 min
 Lab File: VV017393.D
 Acq: 09 Jul 2020 11:31

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05077

Tot Ion:	97	Resp:	91527
Ion	Ratio	Lower	Upper
97	100		
99	63.1	44.6	82.8
83	80.7	60.1	111.7
85	51.9	39.0	72.4



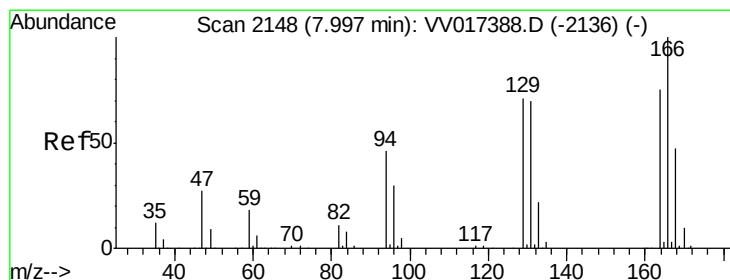
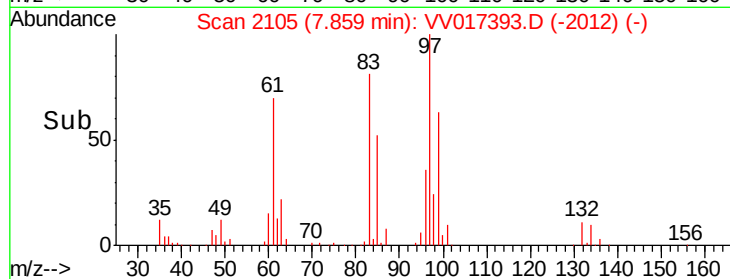
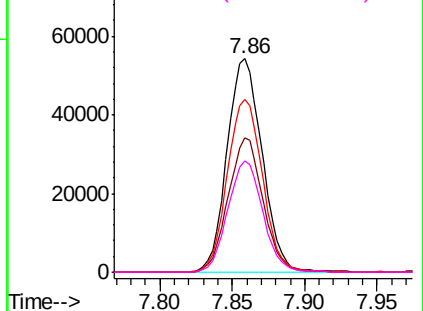
Abundance

Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

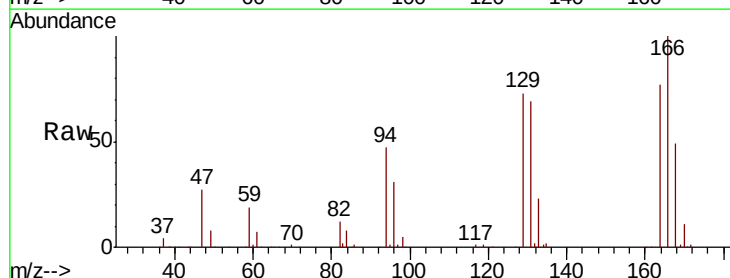
Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0



#46
 Tetrachloroethene
 Concen: 49.794 ug/L
 RT: 8.00 min Scan# 2148
 Delta R.T. 0.00 min
 Lab File: VV017393.D
 Acq: 09 Jul 2020 11:31

Tgt Ion:	164	Resp:	87464
Ion	Ratio	Lower	Upper
164	100		
129	94.7	66.6	123.8
131	89.8	65.5	121.7
166	130.2	93.9	174.5



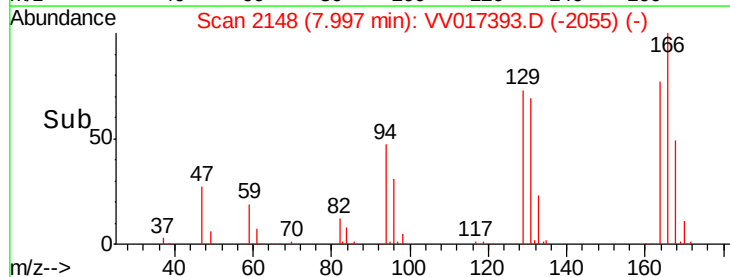
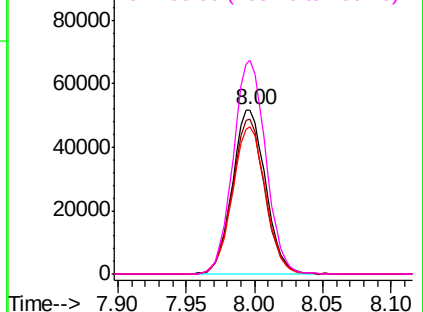
Abundance

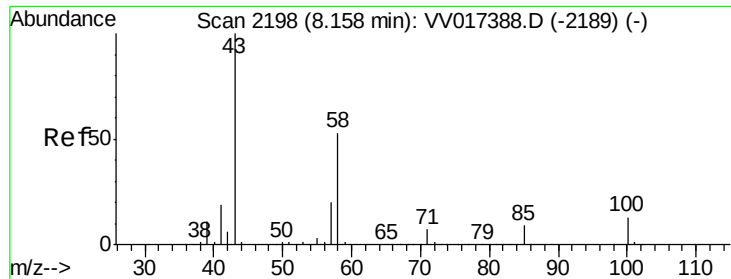
Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V





#48

2-Hexanone

Concen: 104.684 ug/L

RT: 8.16 min Scan# 2198

Delta R.T. 0.00 min

Lab File: VV017393.D

Acq: 09 Jul 2020 11:31

Instrument :

MSVOA_V

ClientSampleId :

VSTD05077

Tot Ion: 43 Resp: 201944

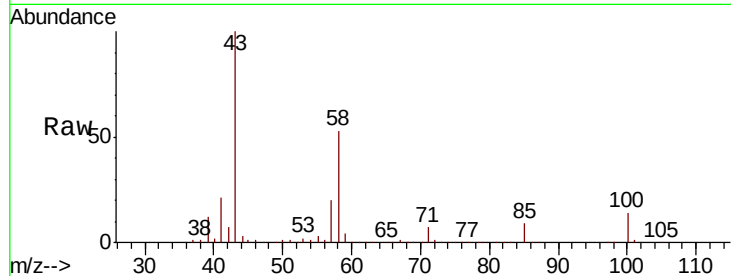
Ion Ratio Lower Upper

43 100

58 54.7 42.6 64.0

57 20.9 16.2 24.4

100 14.2 10.9 16.3

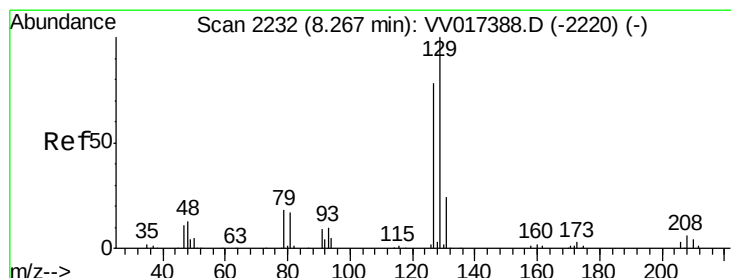
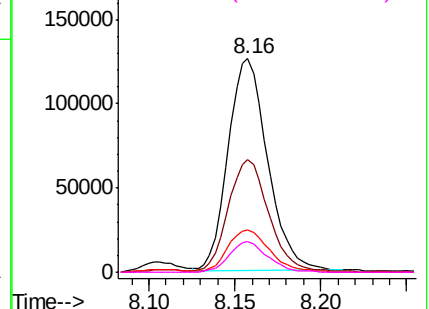
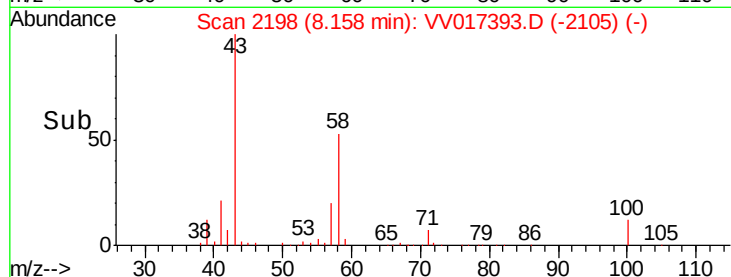


Abundance Ion 43.00 (42.70 to 43.70): VV017393.D (-2105) (-)

Ion 58.00 (57.70 to 58.70): VV017393.D (-2105) (-)

Ion 57.00 (56.70 to 57.70): VV017393.D (-2105) (-)

Ion 100.00 (99.70 to 100.70): VV017393.D (-2105) (-)



#49

Dibromochloromethane

Concen: 50.168 ug/L

RT: 8.27 min Scan# 2232

Delta R.T. 0.00 min

Lab File: VV017393.D

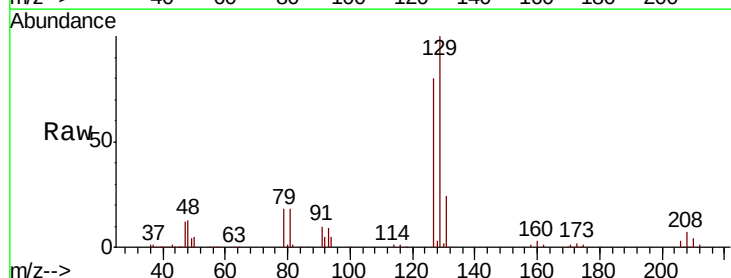
Acq: 09 Jul 2020 11:31

Tgt Ion: 129 Resp: 117023

Ion Ratio Lower Upper

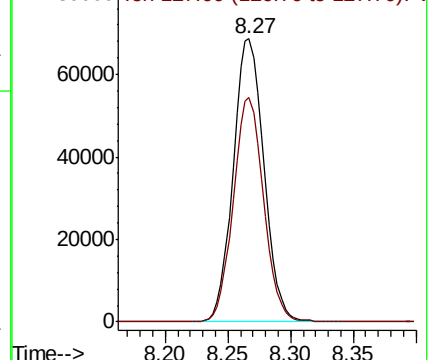
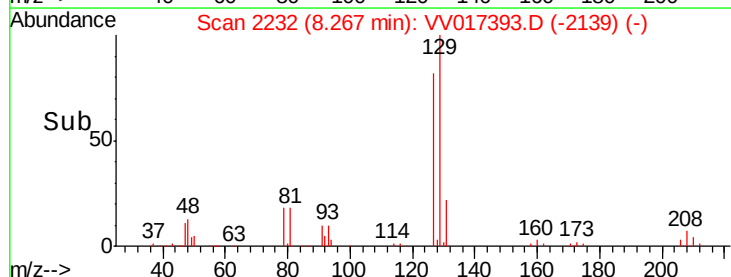
129 100

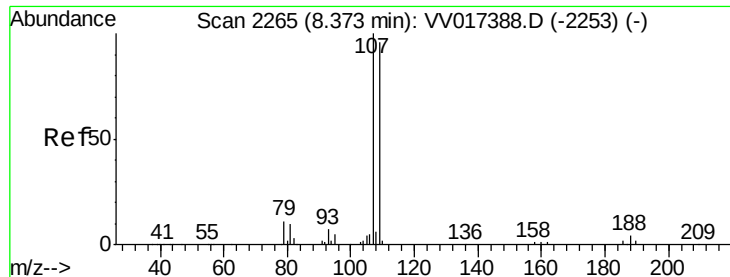
127 79.5 54.6 101.4



Abundance Ion 129.00 (128.70 to 129.70): VV017393.D (-2139) (-)

Ion 127.00 (126.70 to 127.70): VV017393.D (-2139) (-)

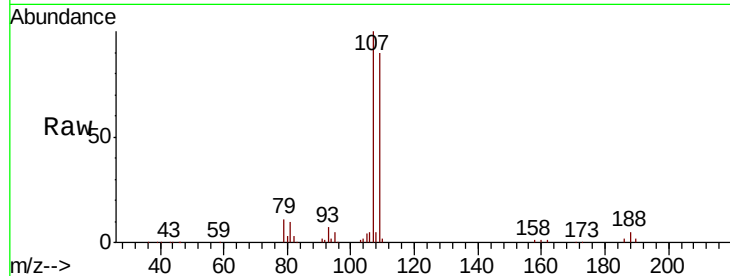




#50
 1,2-Dibromoethane
 Concen: 49.037 ug/L
 RT: 8.37 min Scan# 2265
 Delta R.T. 0.00 min
 Lab File: VV017393.D
 Acq: 09 Jul 2020 11:31

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05077

Tot Ion	Ratio	Lower	Upper
107	100		
109	90.5	67.3	125.1
188	4.6	3.5	5.3

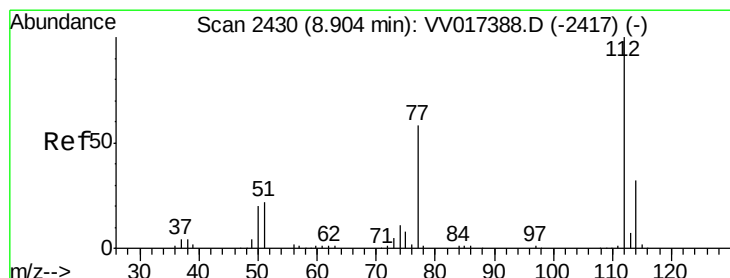
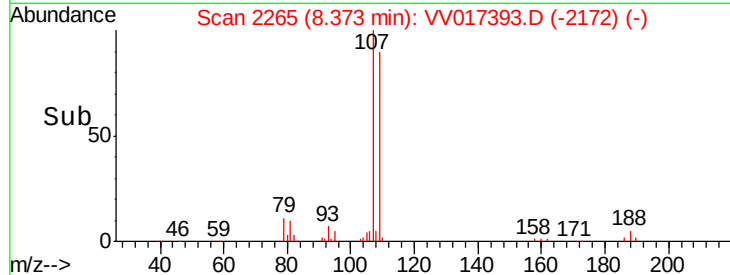
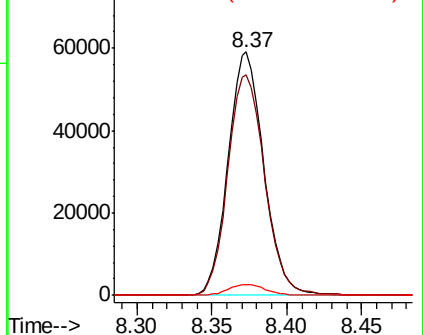


Abundance

Ion 107.00 (106.70 to 107.70): V

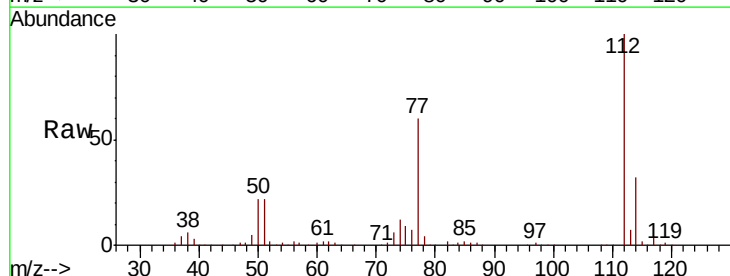
Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V



#51
 Chlorobenzene
 Concen: 49.211 ug/L
 RT: 8.90 min Scan# 2429
 Delta R.T. -0.00 min
 Lab File: VV017393.D
 Acq: 09 Jul 2020 11:31

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.7	22.7	42.1
77	59.5	46.7	70.1

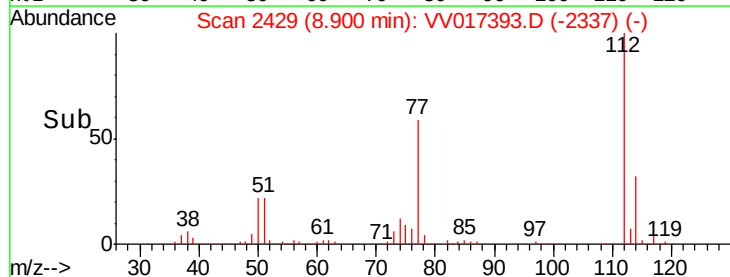
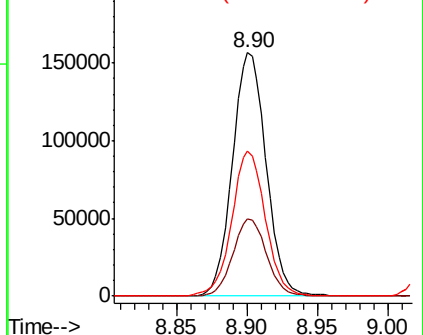


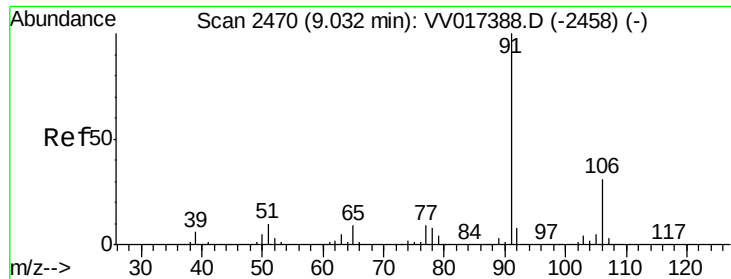
Abundance

Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): VV0





#52

Ethylbenzene

Concen: 49.802 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. 0.00 min

Lab File: VV017393.D

Acq: 09 Jul 2020 11:31

Instrument :

MSVOA_V

ClientSampleId :

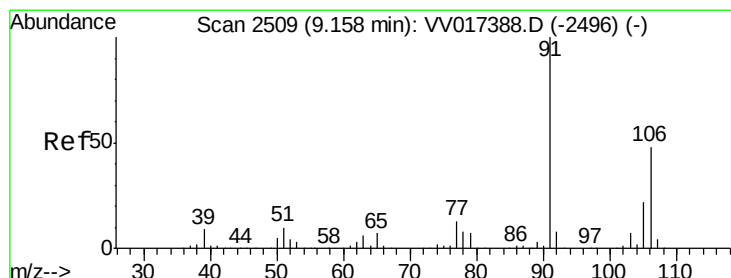
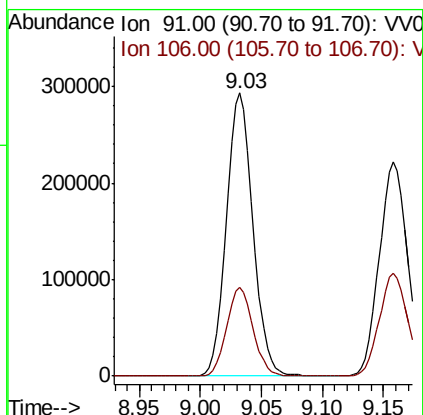
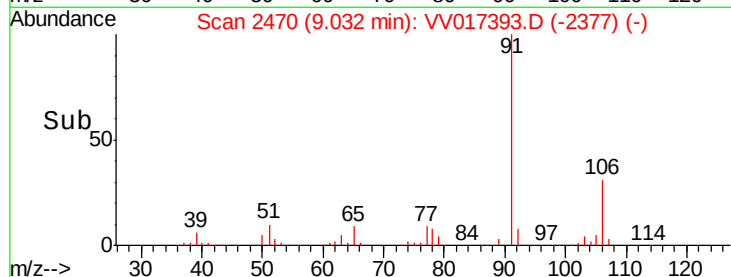
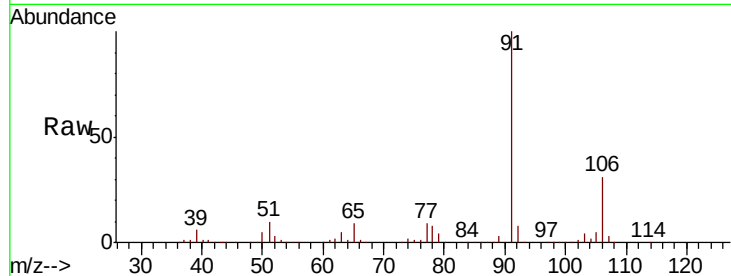
VSTD05077

Tot Ion: 91 Resp: 448617

Ion Ratio Lower Upper

91 100

106 31.4 21.8 40.6



#53

m,p-Xylene

Concen: 51.185 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VV017393.D

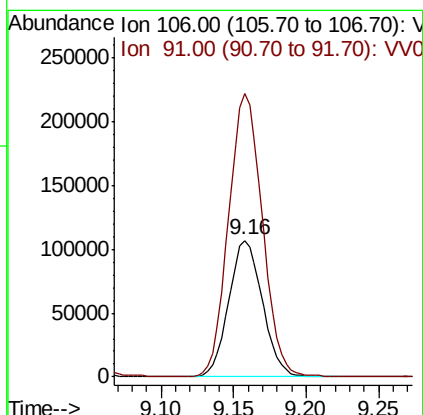
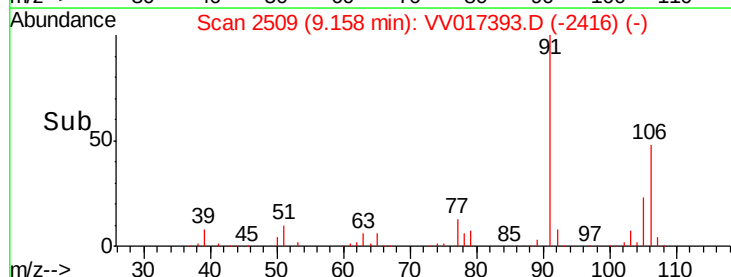
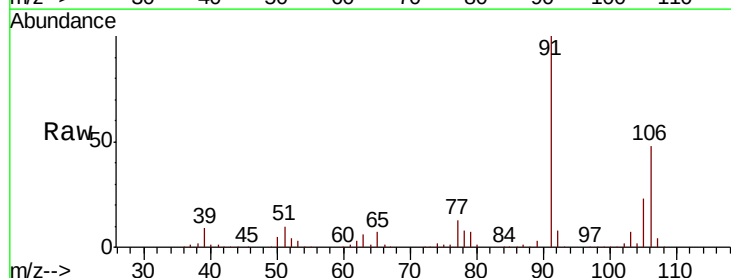
Acq: 09 Jul 2020 11:31

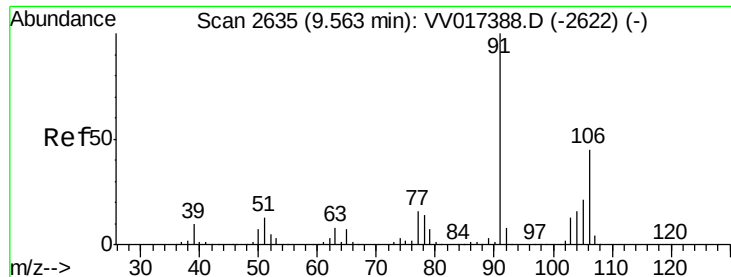
Tgt Ion: 106 Resp: 172619

Ion Ratio Lower Upper

106 100

91 207.7 146.4 271.8





#54

o-xylene

Concen: 51.558 ug/L

RT: 9.56 min Scan# 2635

Delta R.T. 0.00 min

Lab File: VV017393.D

Acq: 09 Jul 2020 11:31

Instrument :

MSVOA_V

ClientSampleId :

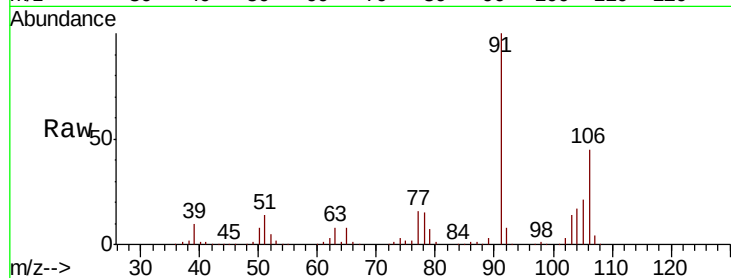
VSTD05077

Tot Ion:106 Resp: 167015

Ion Ratio Lower Upper

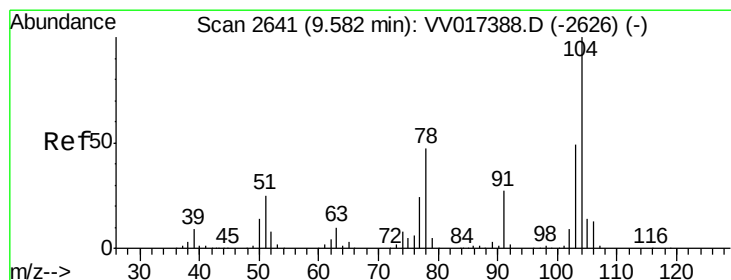
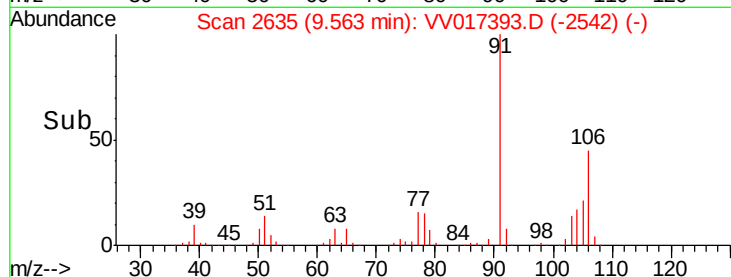
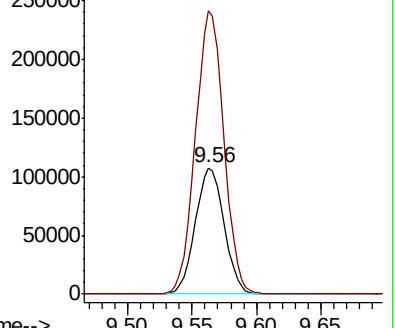
106 100

91 223.9 155.6 289.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 51.206 ug/L

RT: 9.58 min Scan# 2640

Delta R.T. -0.00 min

Lab File: VV017393.D

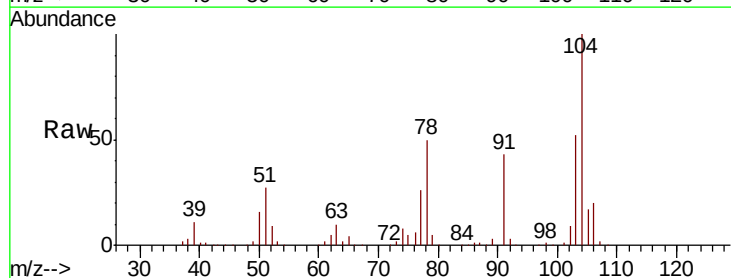
Acq: 09 Jul 2020 11:31

Tgt Ion:104 Resp: 288127

Ion Ratio Lower Upper

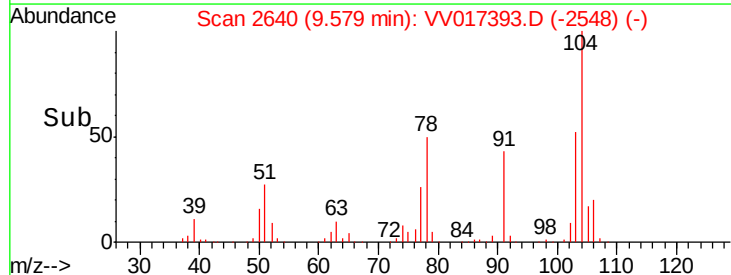
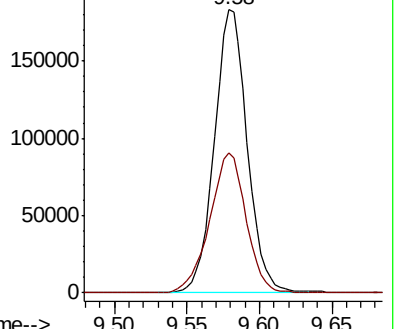
104 100

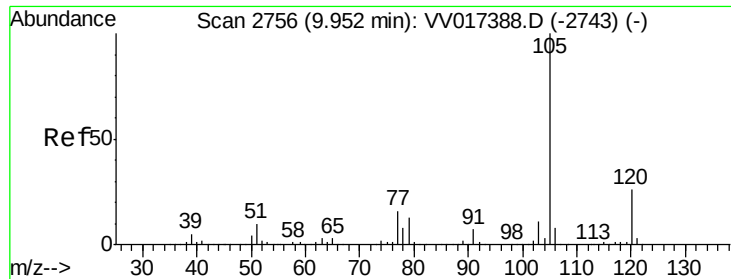
78 49.6 33.1 61.5



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 51.770 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV017393.D

Acq: 09 Jul 2020 11:31

Instrument :

MSVOA_V

ClientSampleId :

VSTD05077

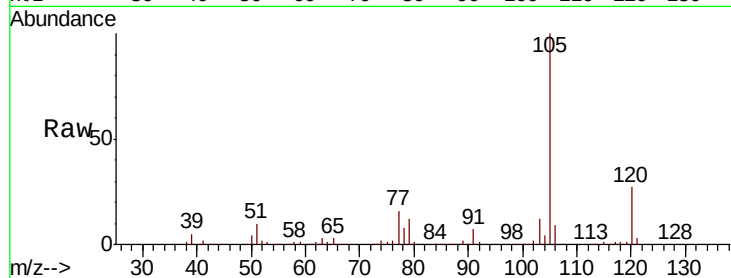
Tot Ion:105 Resp: 466557

Ion Ratio Lower Upper

105 100

120 26.4 21.1 31.7

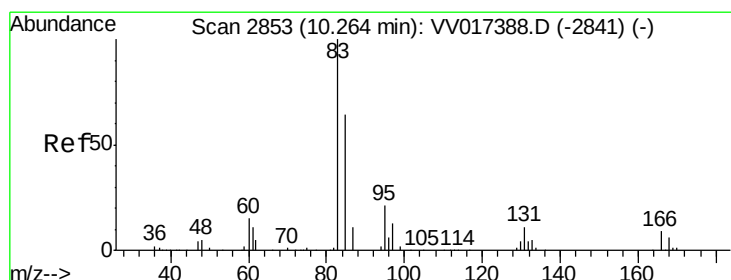
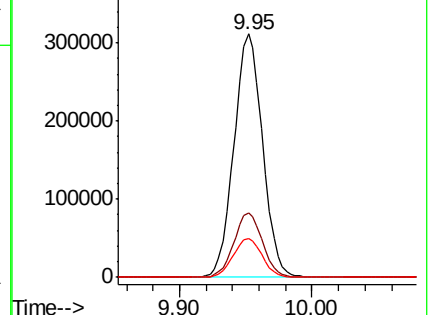
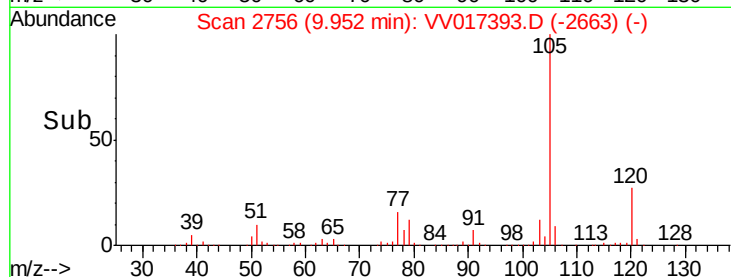
77 16.1 13.0 19.6



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: 48.289 ug/L

RT: 10.26 min Scan# 2852

Delta R.T. -0.00 min

Lab File: VV017393.D

Acq: 09 Jul 2020 11:31

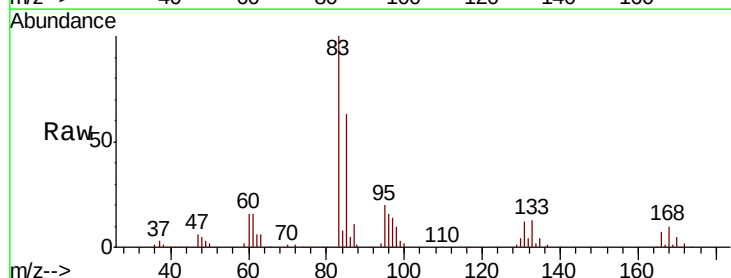
Tgt Ion: 83 Resp: 132596

Ion Ratio Lower Upper

83 100

85 63.1 44.9 83.5

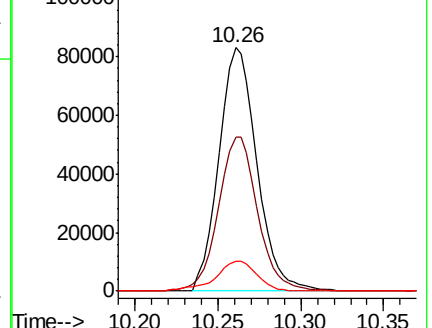
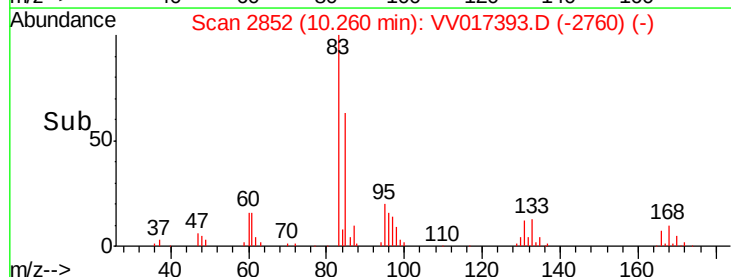
131 12.2 9.4 14.2

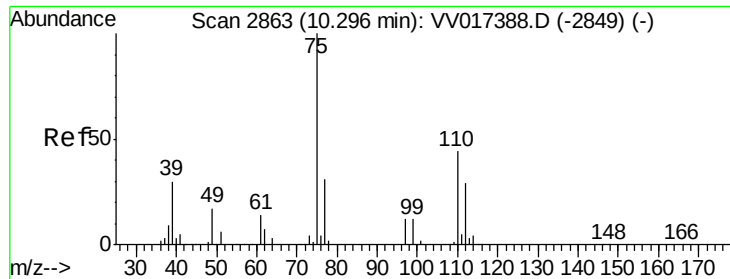


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 49.162 ug/L

RT: 10.29 min Scan# 2862

Delta R.T. -0.00 min

Lab File: VV017393.D

Acq: 09 Jul 2020 11:31

Instrument :

MSVOA_V

ClientSampleId :

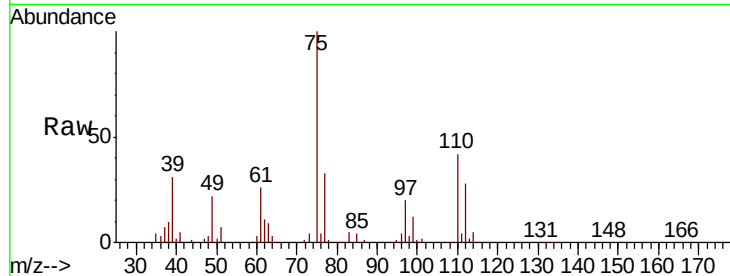
VSTD05077

Tot Ion: 75 Resp: 117403

Ion Ratio Lower Upper

75 100

77 31.8 26.5 39.7



Abundance Ion 75.00 (74.70 to 75.70): VV017388.D (-2849) (-)

Ion 77.00 (76.70 to 77.70): VV017388.D (-2849) (-)

10.29

80000

60000

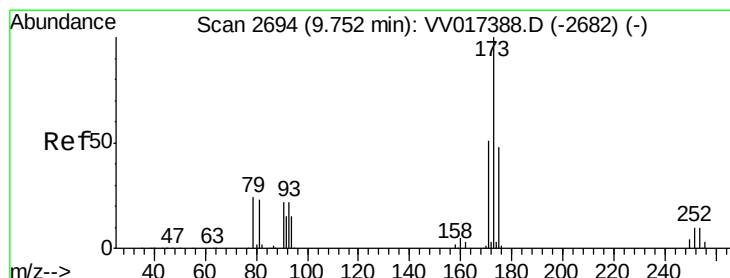
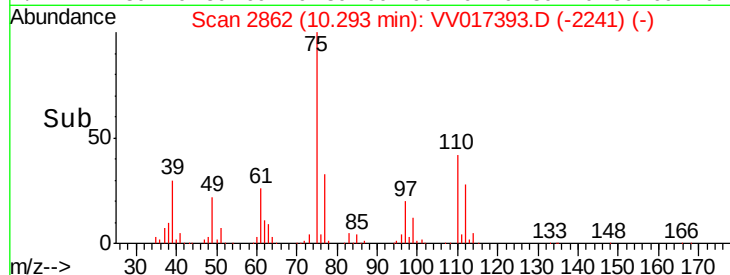
40000

20000

0

Time-->

10.20 10.30 10.40



#61

Bromoform

Concen: 50.318 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VV017393.D

Acq: 09 Jul 2020 11:31

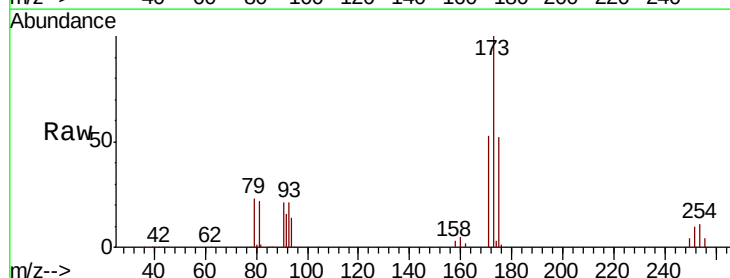
Tgt Ion: 173 Resp: 89316

Ion Ratio Lower Upper

173 100

175 49.4 38.1 57.1

254 10.2 7.4 11.2



Abundance Ion 173.00 (172.70 to 173.70): VV017388.D (-2682) (-)

Ion 175.00 (174.70 to 175.70): VV017388.D (-2682) (-)

Ion 254.00 (253.70 to 254.70): VV017388.D (-2682) (-)

9.75

60000

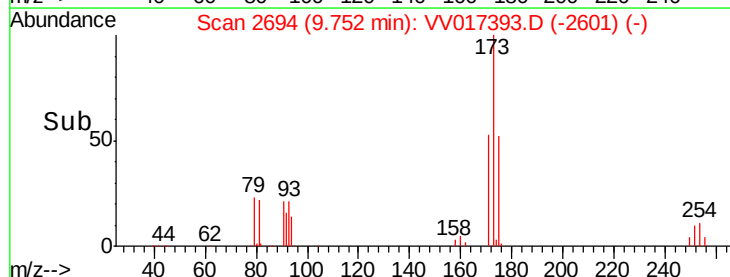
40000

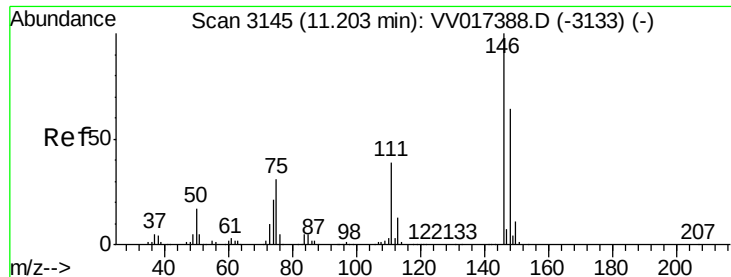
20000

0

Time-->

9.70 9.75 9.80





#62

1,3-Dichlorobenzene

Concen: 49.056 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. 0.00 min

Lab File: VV017393.D

Acq: 09 Jul 2020 11:31

Instrument :

MSVOA_V

ClientSampleId :

VSTD05077

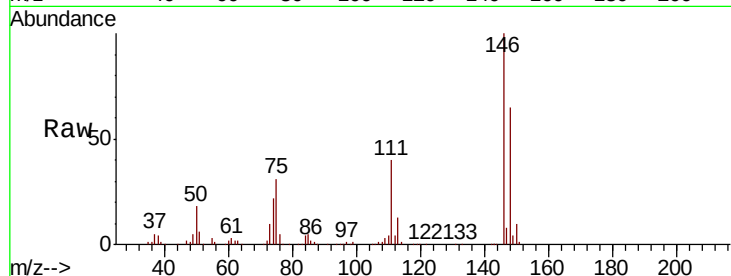
Tot Ion:146 Resp: 225889

Ion Ratio Lower Upper

146 100

111 39.6 27.2 50.6

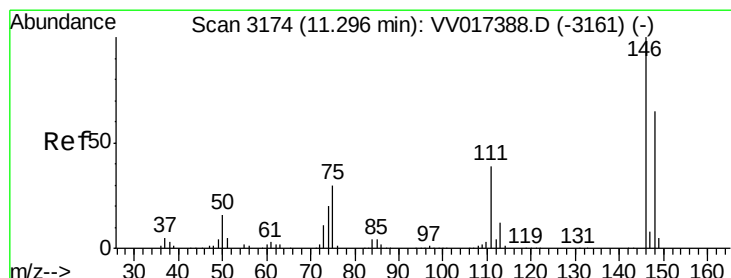
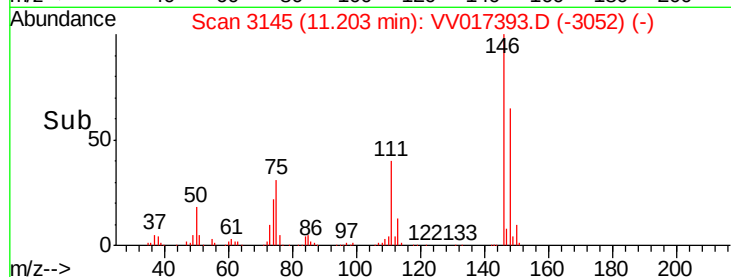
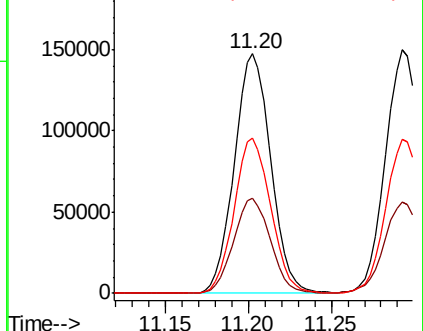
148 64.7 44.7 82.9



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 48.848 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. -0.00 min

Lab File: VV017393.D

Acq: 09 Jul 2020 11:31

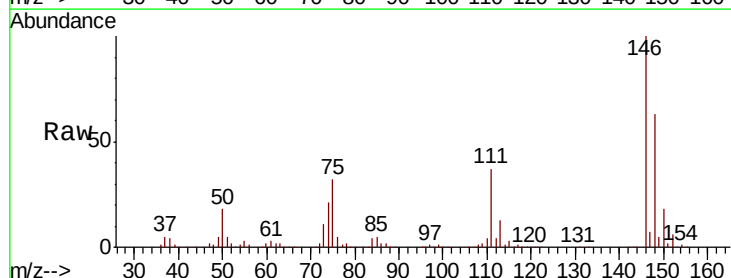
Tgt Ion:146 Resp: 228291

Ion Ratio Lower Upper

146 100

111 37.3 27.2 50.4

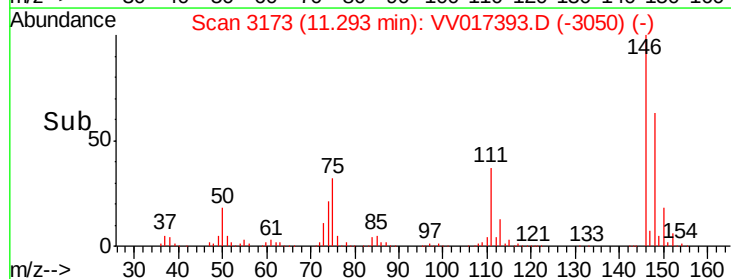
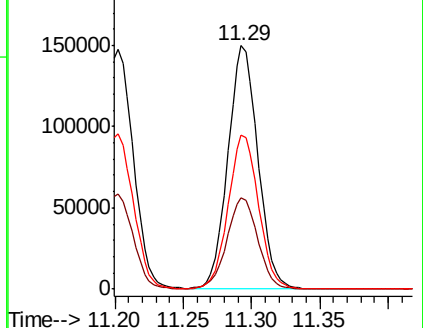
148 63.2 45.4 84.4

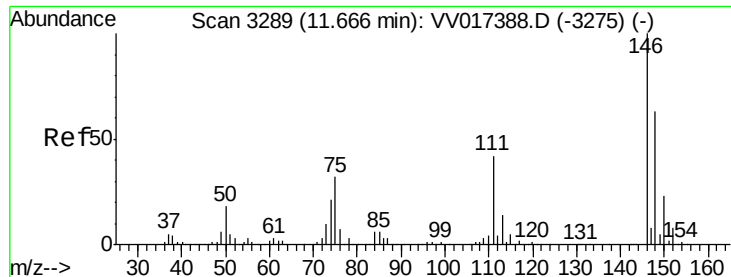


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 48.676 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. 0.00 min

Lab File: VV017393.D

Acq: 09 Jul 2020 11:31

Instrument :

MSVOA_V

ClientSampleId :

VSTD05077

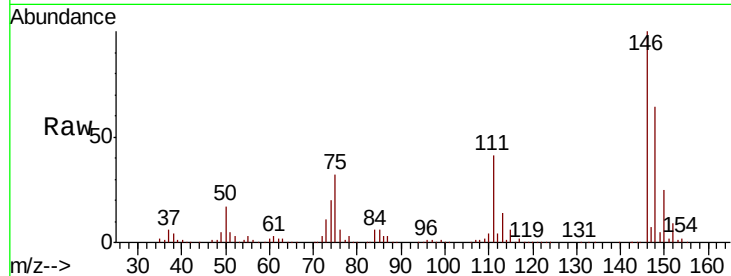
Tot Ion:146 Resp: 223437

Ion Ratio Lower Upper

146 100

111 41.0 33.5 50.3

148 63.6 50.6 76.0

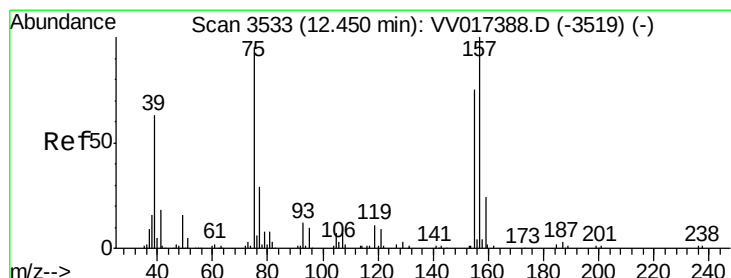
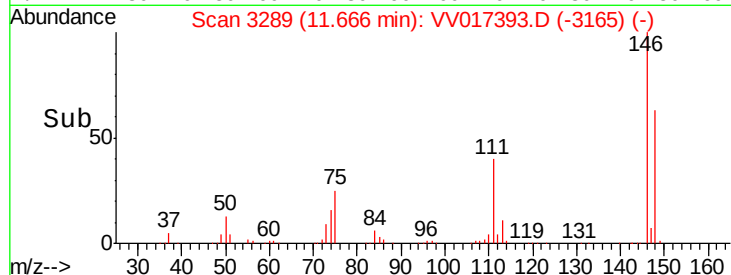
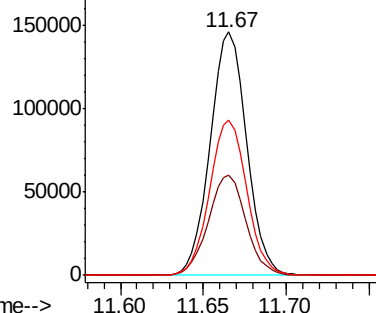


Abundance

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: 49.067 ug/L

RT: 12.45 min Scan# 3533

Delta R.T. 0.00 min

Lab File: VV017393.D

Acq: 09 Jul 2020 11:31

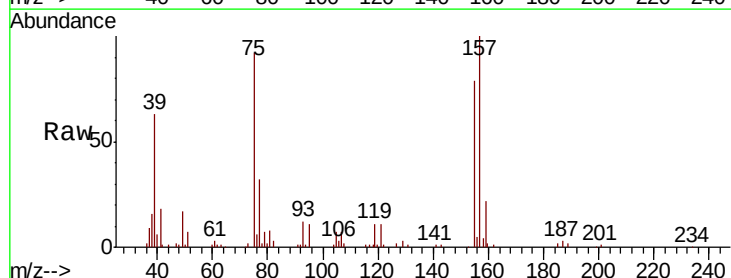
Tgt Ion: 75 Resp: 36650

Ion Ratio Lower Upper

75 100

155 86.3 63.4 95.2

157 109.2 84.5 126.7

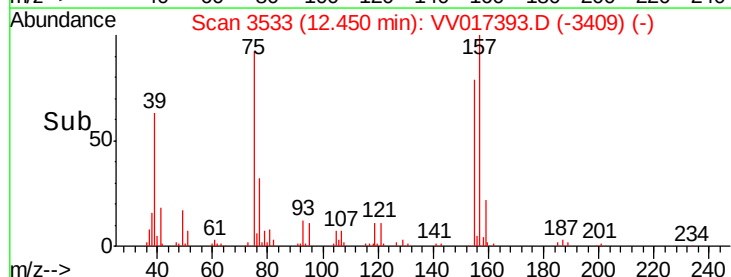
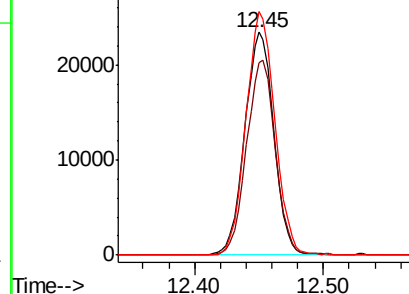


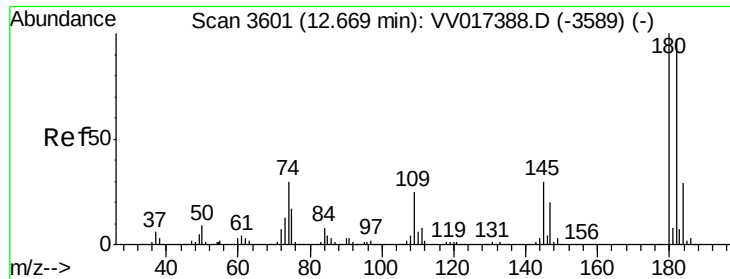
Abundance

Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

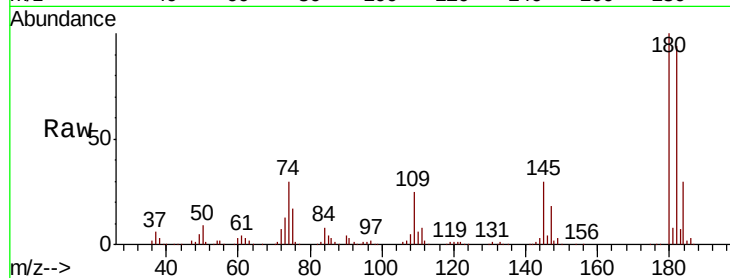




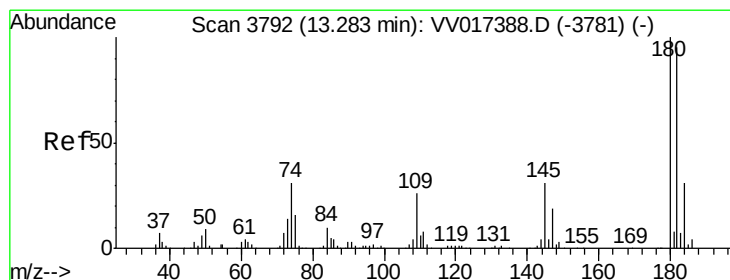
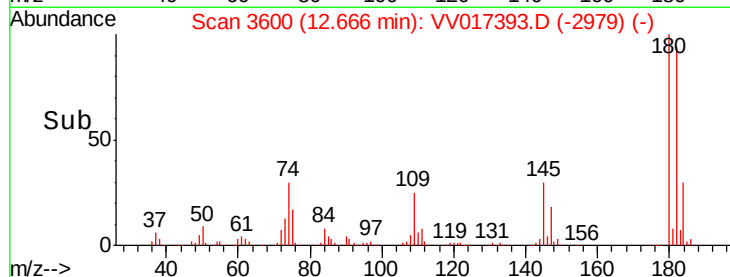
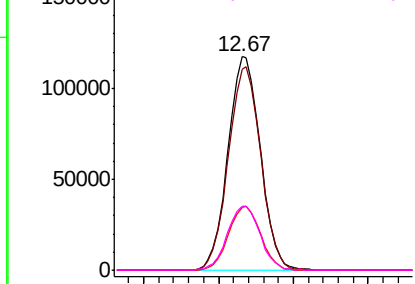
#67
 1,3,5-Trichlorobenzene
 Concen: 51.066 ug/L
 RT: 12.67 min Scan# 3600
 Delta R.T. -0.00 min
 Lab File: VV017393.D
 Acq: 09 Jul 2020 11:31

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05077

Tot Ion:180 Resp: 177131
 Ion Ratio Lower Upper
 180 100
 182 95.7 77.0 115.4
 184 29.8 24.0 36.0
 145 30.2 23.8 35.8

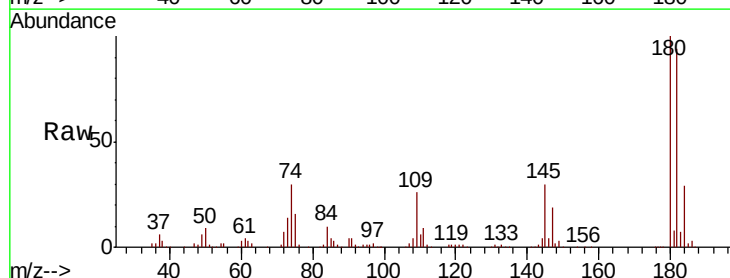


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

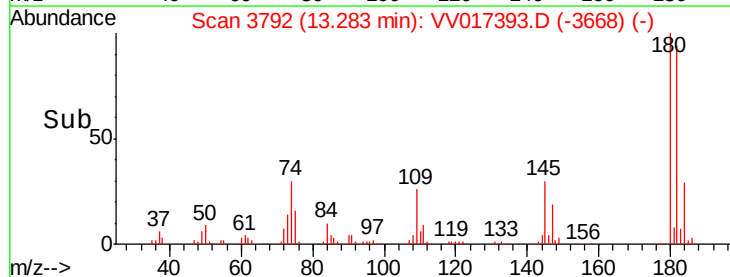
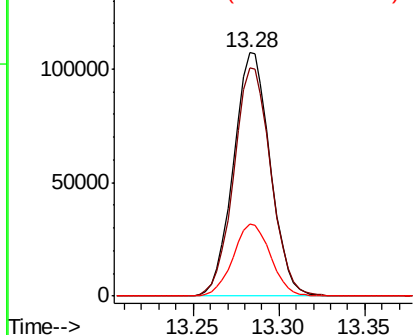


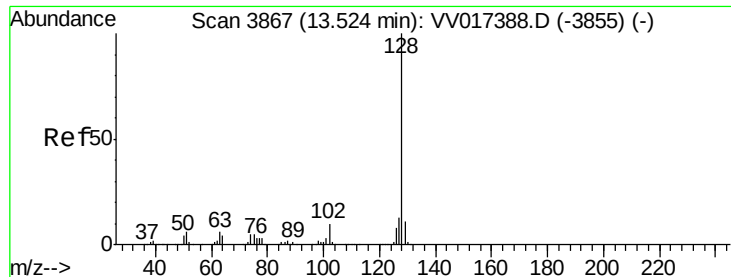
#68
 1,2,4-trichlorobenzene
 Concen: 52.562 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. 0.00 min
 Lab File: VV017393.D
 Acq: 09 Jul 2020 11:31

Tgt Ion:180 Resp: 159877
 Ion Ratio Lower Upper
 180 100
 182 94.5 76.0 114.0
 145 30.4 24.6 36.8



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: 53.337 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. 0.00 min

Lab File: VV017393.D

Acq: 09 Jul 2020 11:31

Instrument :

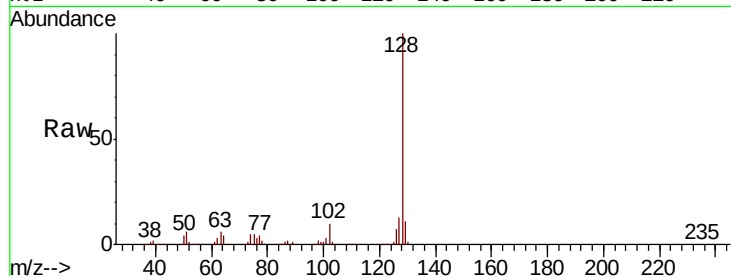
MSVOA_V

ClientSampleId :

VSTD05077

Tot Ion:128 Resp: 453060

Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.7	16.1
129	10.8	8.6	12.8

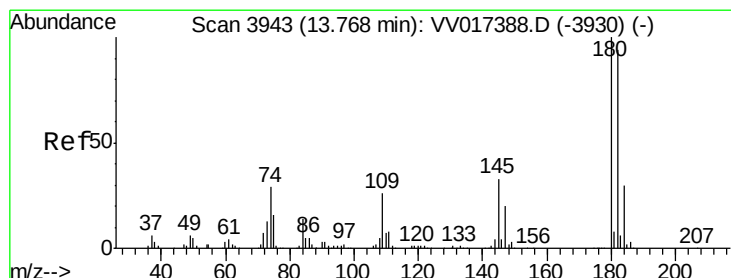
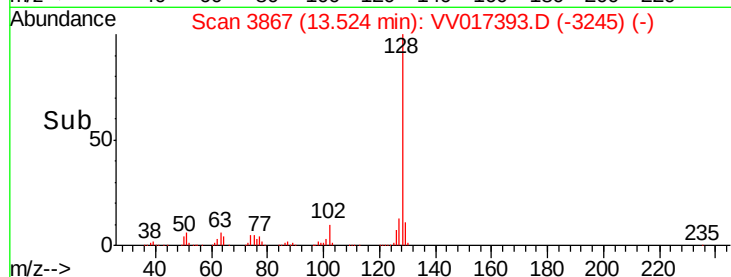
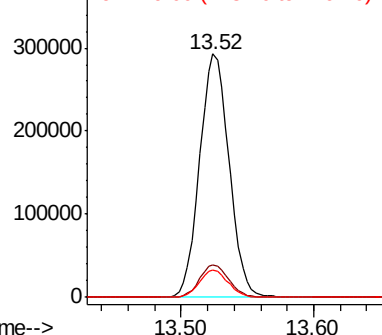


Abundance

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: 52.555 ug/L

RT: 13.77 min Scan# 3943

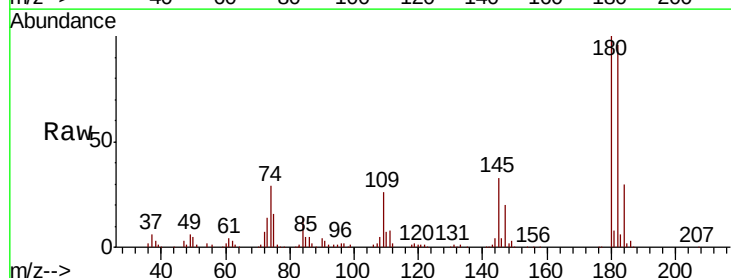
Delta R.T. 0.00 min

Lab File: VV017393.D

Acq: 09 Jul 2020 11:31

Tgt Ion:180 Resp: 162605

Ion	Ratio	Lower	Upper
180	100		
182	94.2	76.3	114.5
145	32.9	26.5	39.7



Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

