

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV092920\
 Data File : VV018553.D
 Acq On : 30 Sep 2020 06:05
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05093

Quant Time: Sep 30 06:26:23 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM092920WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Sep 30 04:50:47 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	358528	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	345211	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	189176	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	97176	46.21	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	92.42%
7) Chloroethane-d5	1.58	69	92248	53.06	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	106.12%
11) 1,1-Dichloroethene-d2	2.13	63	222463	51.93	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	103.86%
21) 2-Butanone-d5	3.92	46	162745	103.76	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	103.76%
24) Chloroform-d	4.38	84	222035	48.83	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.66%
26) 1,2-Dichloroethane-d4	5.06	65	144136	49.94	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.88%
32) Benzene-d6	5.07	84	438724	50.17	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.34%
36) 1,2-Dichloropropane-d6	6.09	67	134204	50.80	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	101.60%
41) Toluene-d8	7.34	98	416686	50.65	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.30%
43) trans-1,3-Dichloropropene-	7.64	79	68127	47.73	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.46%
47) 2-Hexanone-d5	8.11	63	107488	107.11	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	107.11%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	179208	51.16	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	102.32%
64) 1,2-Dichlorobenzene-d4	11.65	152	179905	49.45	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.90%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	113541	46.575	ug/L	98
3) Chloromethane	1.25	50	122828	47.088	ug/L	99
5) Vinyl chloride	1.32	62	130566	47.608	ug/L	100
6) Bromomethane	1.53	94	98802	52.933	ug/L	98
8) Chloroethane	1.60	64	93989	55.614	ug/L	99
9) Trichlorofluoromethane	1.77	101	209580	50.281	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	117612	50.414	ug/L	98
12) 1,1-Dichloroethene	2.13	96	115865	51.769	ug/L	98
13) Acetone	2.20	43	124177	91.639	ug/L	98
14) Carbon disulfide	2.31	76	337109	46.497	ug/L	99
15) Methyl Acetate	2.45	43	129530	49.617	ug/L	100
16) Methylene chloride	2.52	84	132495	49.324	ug/L	97
17) trans-1,2-Dichloroethene	2.78	96	125490	49.001	ug/L	97
18) Methyl tert-butyl Ether	2.78	73	383432	49.140	ug/L	99
19) 1,1-Dichloroethane	3.21	63	221989	49.506	ug/L	99
20) cis-1,2-Dichloroethene	3.94	96	133498	49.049	ug/L	97
22) 2-Butanone	4.00	43	171295	100.067	ug/L	99

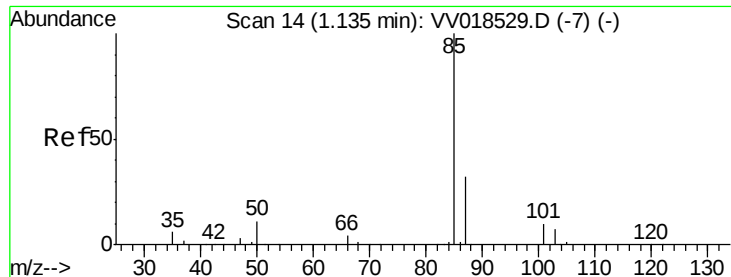
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV092920\
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 Quant Title : VOC Analysis
 QLast Update : Wed Sep 30 04:50:47 2020
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.28	128	72267	48.286	ug/L	99
25) Chloroform	4.40	83	232875	49.184	ug/L	99
27) 1,2-Dichloroethane	5.15	62	186050	50.414	ug/L	99
29) Cyclohexane	4.70	56	193436	49.130	ug/L	99
30) 1,1,1-Trichloroethane	4.64	97	211521	49.355	ug/L	99
31) Carbon tetrachloride	4.86	117	186546	48.500	ug/L	99
33) Benzene	5.13	78	503907	49.686	ug/L	100
34) Trichloroethene	5.94	95	145366	49.371	ug/L	100
35) Methylcyclohexane	6.15	83	180227	45.376	ug/L	99
37) 1,2-Dichloropropane	6.20	63	126641	48.671	ug/L	100
38) Bromodichloromethane	6.53	83	173231	49.712	ug/L	98
39) cis-1,3-Dichloropropene	7.05	75	200213	49.043	ug/L	99
40) 4-Methyl-2-pentanone	7.25	43	353811	105.378	ug/L	99
42) Toluene	7.41	91	551287	50.248	ug/L	98
44) trans-1,3-Dichloropropene	7.67	75	194400	48.476	ug/L	99
45) 1,1,2-Trichloroethane	7.86	97	129027	50.092	ug/L	98
46) Tetrachloroethene	8.00	164	114242	47.826	ug/L	98
48) 2-Hexanone	8.16	43	270795	103.369	ug/L	99
49) Dibromochloromethane	8.27	129	147002	49.896	ug/L	99
50) 1,2-Dibromoethane	8.37	107	139195	50.825	ug/L	99
51) Chlorobenzene	8.90	112	367393	49.499	ug/L	100
52) Ethylbenzene	9.03	91	605219	49.396	ug/L	99
53) m,p-Xylene	9.16	106	232958	49.198	ug/L	98
54) o-xylene	9.56	106	229252	51.138	ug/L	98
55) Styrene	9.58	104	398360	51.033	ug/L	99
56) Isopropylbenzene	9.95	105	598364	49.768	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	181479	49.984	ug/L	98
59) 1,2,3-Trichloropropane	10.29	75	159237	50.312	ug/L	100
61) Bromoform	9.75	173	108968	50.146	ug/L	99
62) 1,3-Dichlorobenzene	11.20	146	299422	48.907	ug/L	99
63) 1,4-Dichlorobenzene	11.29	146	310208	49.205	ug/L	100
65) 1,2-Dichlorobenzene	11.67	146	300182	49.562	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.45	75	41993	50.788	ug/L	99
67) 1,3,5-Trichlorobenzene	12.67	180	197137	46.485	ug/L	99
68) 1,2,4-trichlorobenzene	13.28	180	189487	48.016	ug/L	100
69) Naphthalene	13.52	128	589661	52.199	ug/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	193978	48.965	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 46.575 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

Lab File: VV018553.D

Acq: 30 Sep 2020 06:05

Instrument :

MSVOA_V

ClientSampleId :

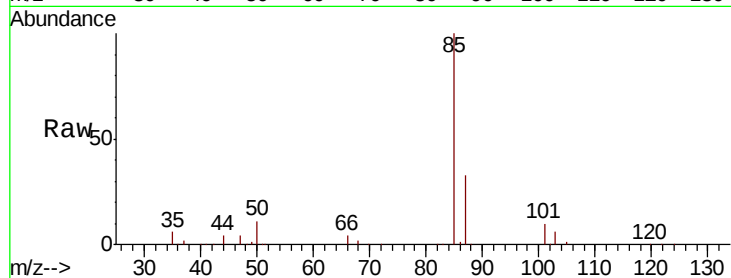
VSTD05093

Tot Ion: 85 Resp: 113541

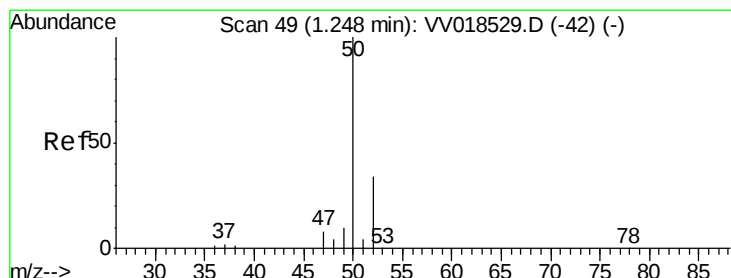
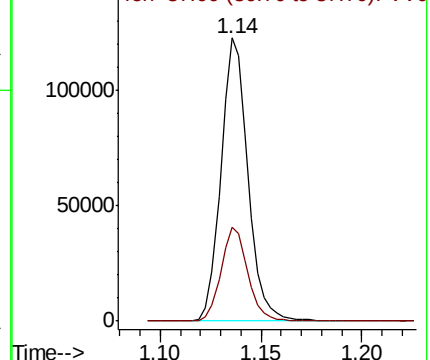
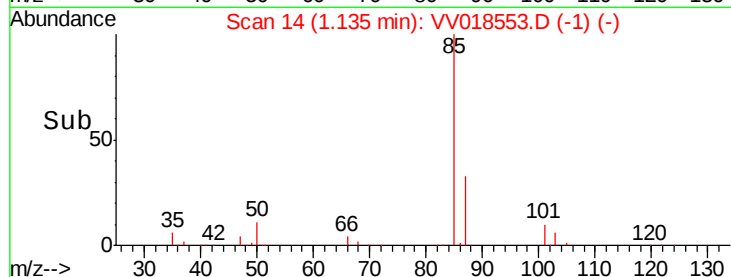
Ion Ratio Lower Upper

85 100

87 32.9 25.5 38.3



Abundance Ion 85.00 (84.70 to 85.70): VV018553.D (-1) (-)



#3

Chloromethane

Concen: 47.088 ug/L

RT: 1.25 min Scan# 49

Delta R.T. 0.00 min

Lab File: VV018553.D

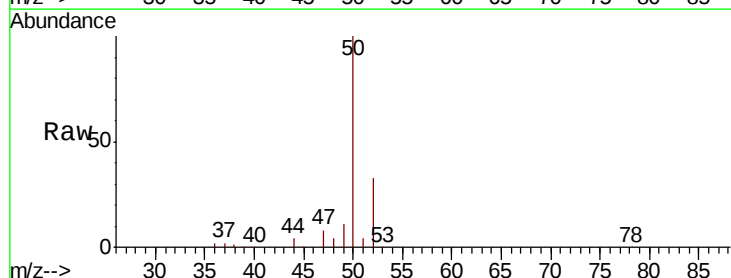
Acq: 30 Sep 2020 06:05

Tgt Ion: 50 Resp: 122828

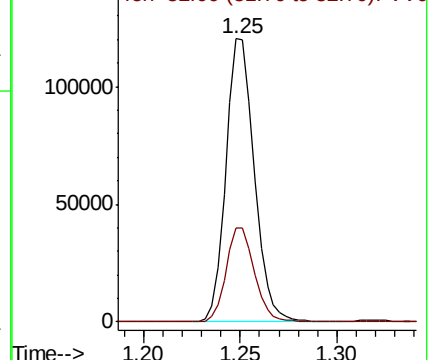
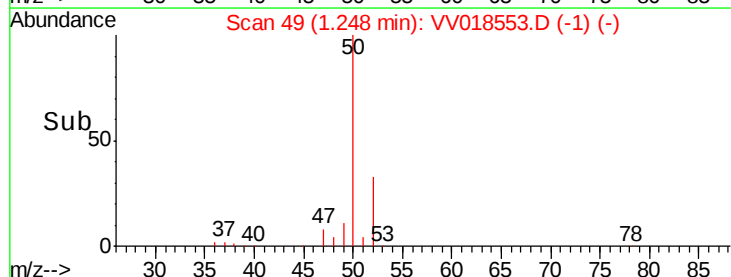
Ion Ratio Lower Upper

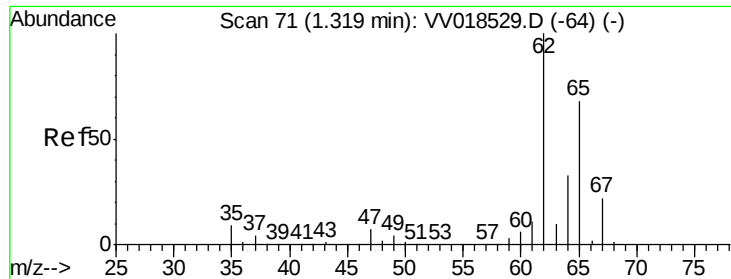
50 100

52 33.0 22.7 42.1



Abundance Ion 50.00 (49.70 to 50.70): VV018553.D (-1) (-)





#5

Vinyl chloride

Concen: 47.608 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV018553.D

Acq: 30 Sep 2020 06:05

Instrument :

MSVOA_V

ClientSampleId :

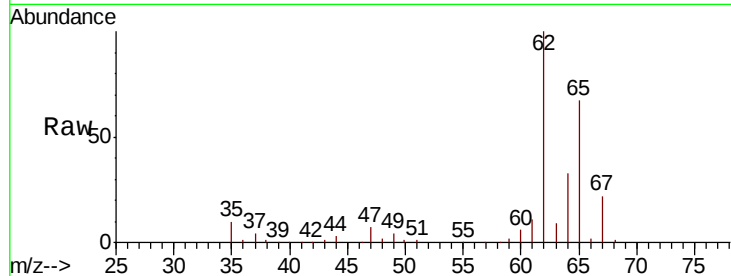
VSTD05093

Tot Ion: 62 Resp: 130566

Ion Ratio Lower Upper

62 100

64 32.9 22.9 42.5



Abundance Ion 62.00 (61.70 to 62.70): VV018529.D (-64) (-)

Ion 64.00 (63.70 to 64.70): VV018553.D (-45) (-)

1.32

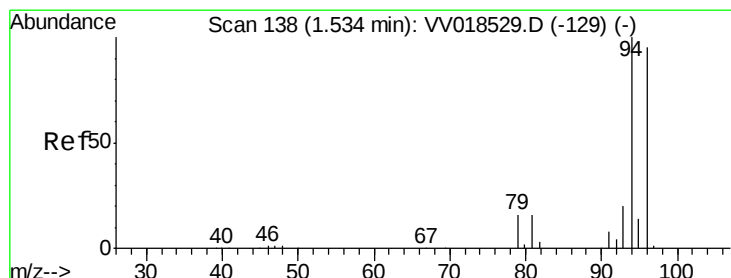
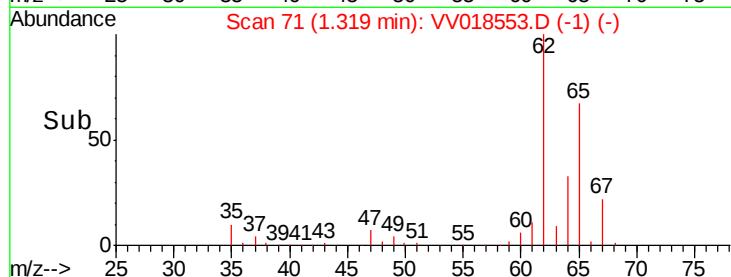
150000

100000

50000

0

Time-->



#6

Bromomethane

Concen: 52.933 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV018553.D

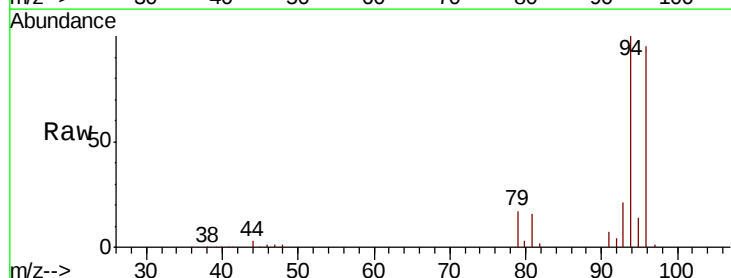
Acq: 30 Sep 2020 06:05

Tgt Ion: 94 Resp: 98802

Ion Ratio Lower Upper

94 100

96 94.9 67.5 125.4



Abundance Ion 94.00 (93.70 to 94.70): VV018529.D (-129) (-)

Ion 96.00 (95.70 to 96.70): VV018553.D (-45) (-)

1.53

100000

80000

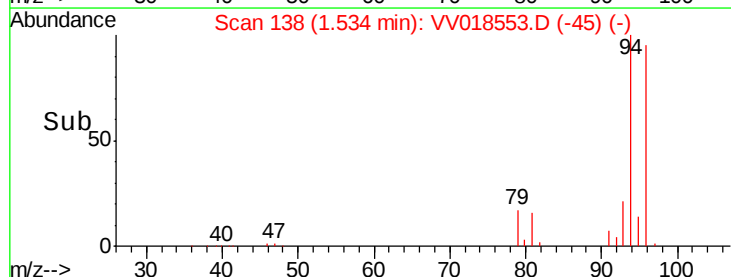
60000

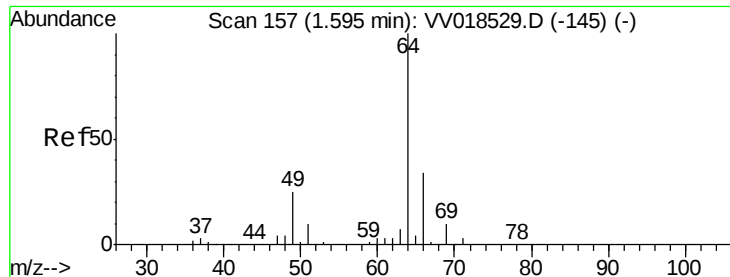
40000

20000

0

Time-->





#8

Chloroethane

Concen: 55.614 ug/L

RT: 1.60 min Scan# 157

Delta R.T. 0.00 min

Lab File: VV018553.D

Acq: 30 Sep 2020 06:05

Instrument :

MSVOA_V

ClientSampleId :

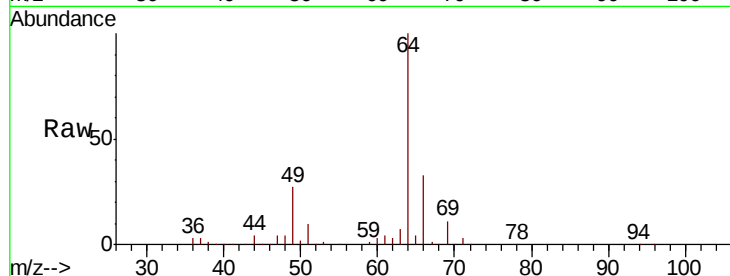
VSTD05093

Tot Ion: 64 Resp: 93989

Ion Ratio Lower Upper

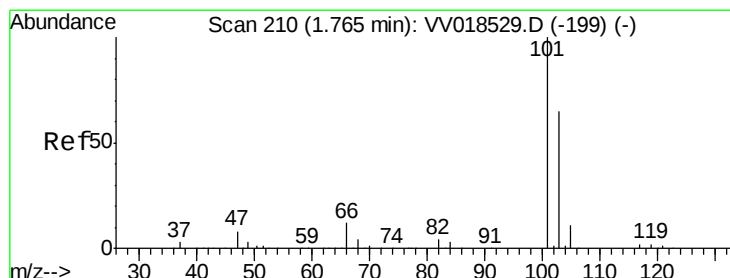
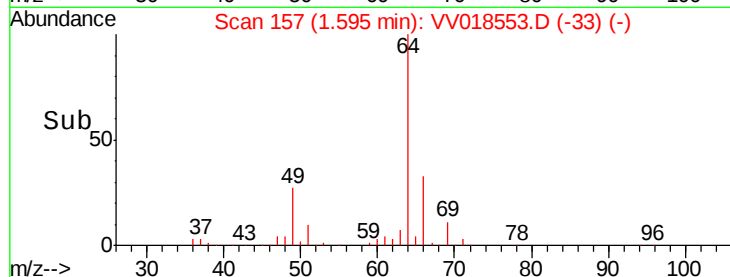
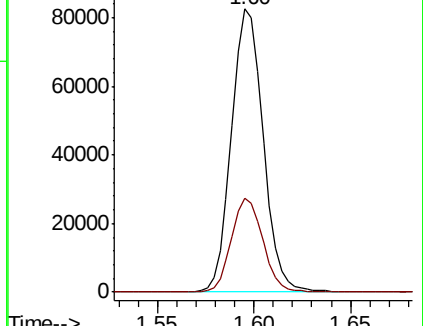
64 100

66 33.3 22.8 42.4



Abundance Ion 64.00 (63.70 to 64.70): VV018529.D (-145) (-)

Ion 66.00 (65.70 to 66.70): VV018529.D (-145) (-)



#9

Trichlorofluoromethane

Concen: 50.281 ug/L

RT: 1.77 min Scan# 210

Delta R.T. 0.00 min

Lab File: VV018553.D

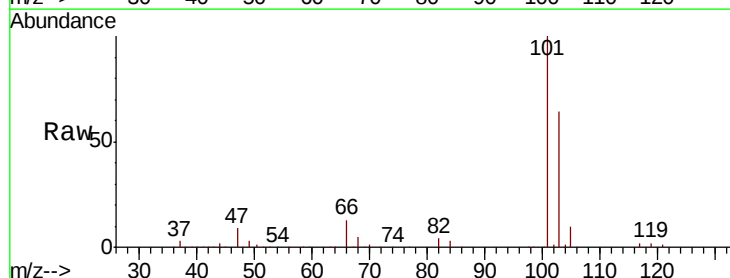
Acq: 30 Sep 2020 06:05

Tgt Ion: 101 Resp: 209580

Ion Ratio Lower Upper

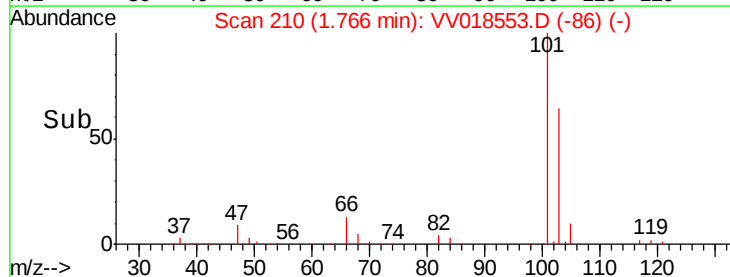
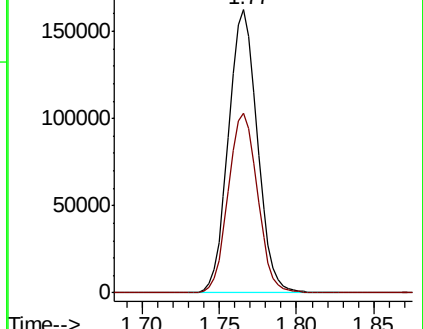
101 100

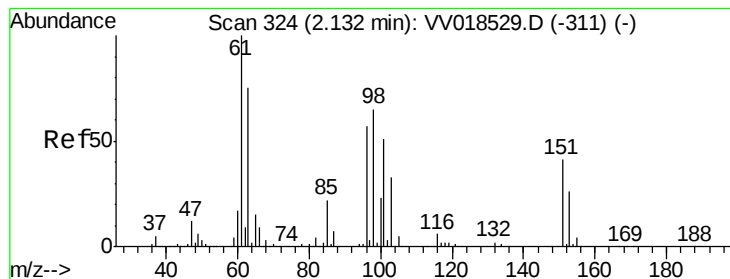
103 64.4 51.9 77.9



Abundance Ion 101.00 (100.70 to 101.70): VV018529.D (-199) (-)

Ion 103.00 (102.70 to 103.70): VV018529.D (-199) (-)





#10

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

Concen: 50.414 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV018553.D

Acq: 30 Sep 2020 06:05

Instrument :

MSVOA_V

ClientSampleId :

VSTD05093

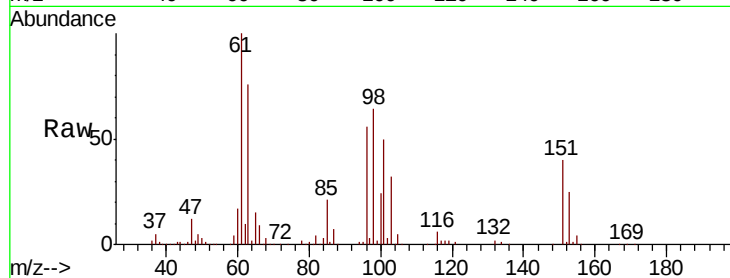
Tot Ion:101 Resp: 117612

Ion Ratio Lower Upper

101 100

85 42.2 34.6 52.0

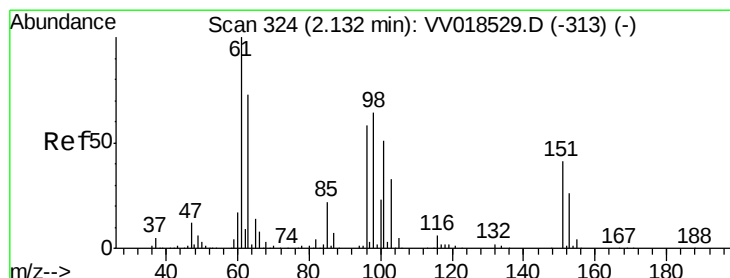
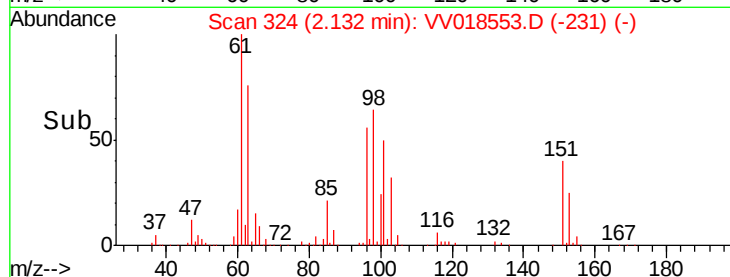
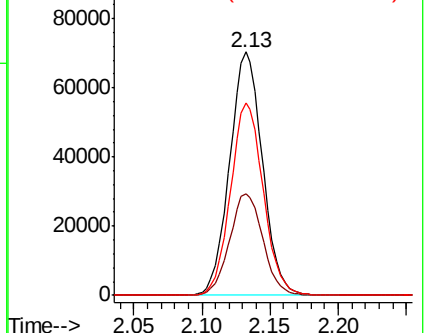
151 78.6 64.3 96.5



Abundance Ion 101.00 (100.70 to 101.70): VV018529.D (-311) (-)

Ion 85.00 (84.70 to 85.70): VV018529.D (-311) (-)

Ion 151.00 (150.70 to 151.70): VV018529.D (-311) (-)



#12

1,1-Dichloroethene

Concen: 51.769 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV018553.D

Acq: 30 Sep 2020 06:05

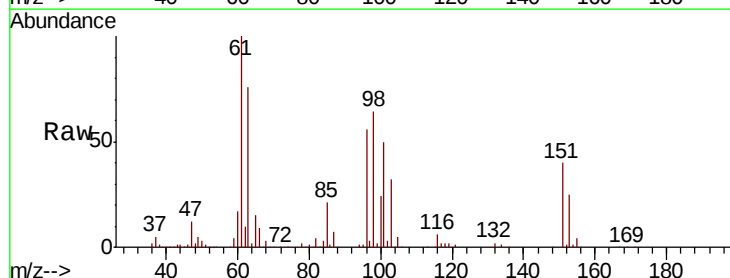
Tgt Ion: 96 Resp: 115865

Ion Ratio Lower Upper

96 100

61 177.5 122.8 228.1

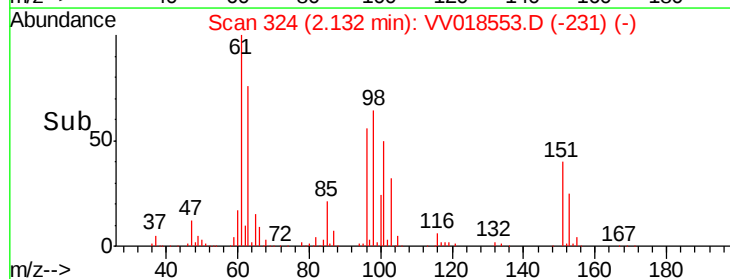
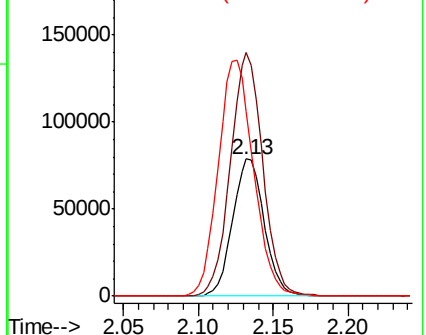
63 134.8 91.9 170.7

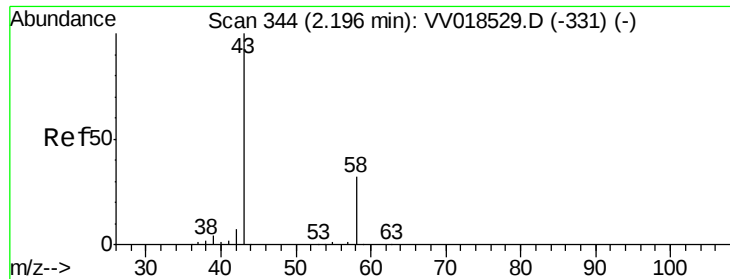


Abundance Ion 96.00 (95.70 to 96.70): VV018529.D (-313) (-)

Ion 61.00 (60.70 to 61.70): VV018529.D (-313) (-)

Ion 63.00 (62.70 to 63.70): VV018529.D (-313) (-)





#13

Acetone

Concen: 91.639 ug/L

RT: 2.20 min Scan# 346

Delta R.T. 0.01 min

Lab File: VV018553.D

Acq: 30 Sep 2020 06:05

Instrument :

MSVOA_V

ClientSampleId :

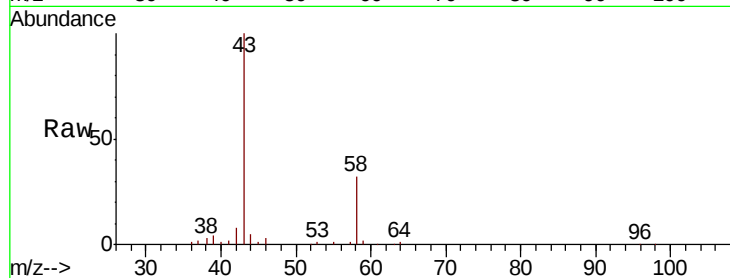
VSTD05093

Tot Ion: 43 Resp: 124177

Ion Ratio Lower Upper

43 100

58 31.0 0.0 64.0



Abundance Ion 43.00 (42.70 to 43.70): VV018529.D (-331) (-)

Ion 58.00 (57.70 to 58.70): VV018529.D (-331) (-)

2.20

50000

40000

30000

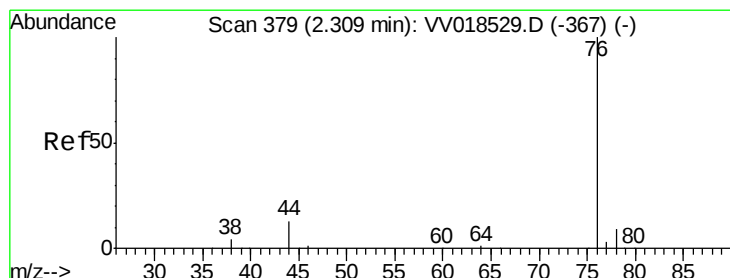
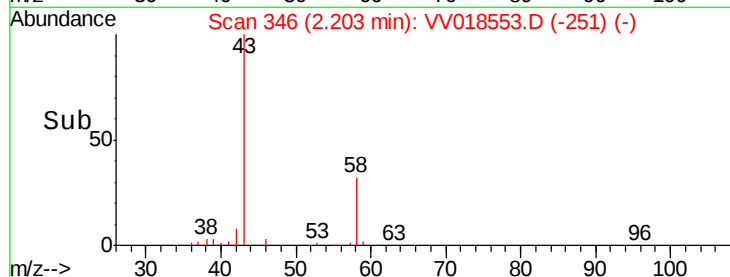
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10000

0

Time-->

2.10 2.20 2.30



#14

Carbon disulfide

Concen: 46.497 ug/L

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VV018553.D

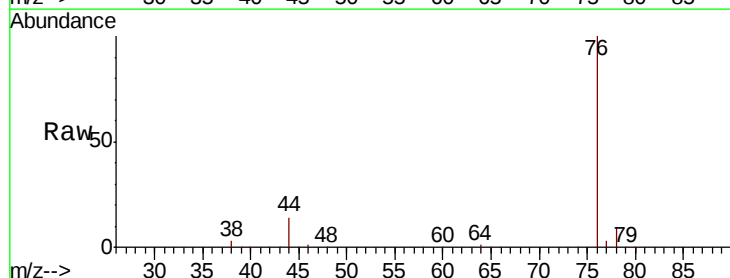
Acq: 30 Sep 2020 06:05

Tgt Ion: 76 Resp: 337109

Ion Ratio Lower Upper

76 100

78 9.1 7.1 10.7



Abundance Ion 76.00 (75.70 to 76.70): VV018529.D (-367) (-)

Ion 78.00 (77.70 to 78.70): VV018529.D (-367) (-)

2.31

250000

200000

150000

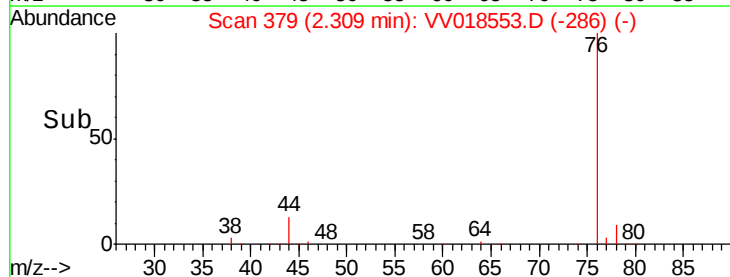
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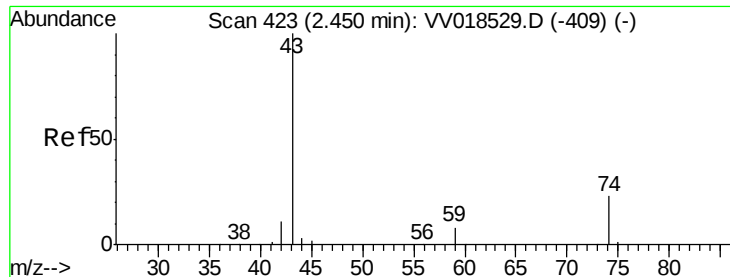
50000

0

Time-->

2.25 2.30 2.35 2.40





#15

Methvl Acetate

Concen: 49.617 ug/L

RT: 2.45 min Scan# 423

Delta R.T. 0.00 min

Lab File: VV018553.D

Acq: 30 Sep 2020 06:05

Instrument :

MSVOA_V

ClientSampleId :

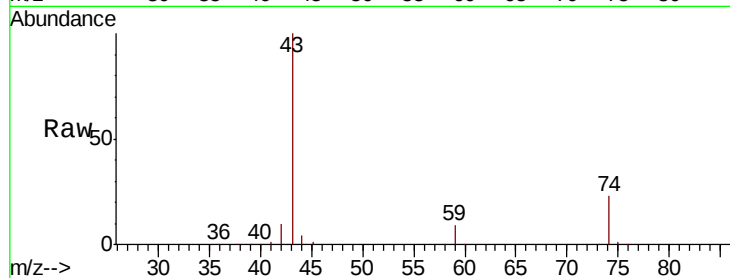
VSTD05093

Tot Ion: 43 Resp: 129530

Ion Ratio Lower Upper

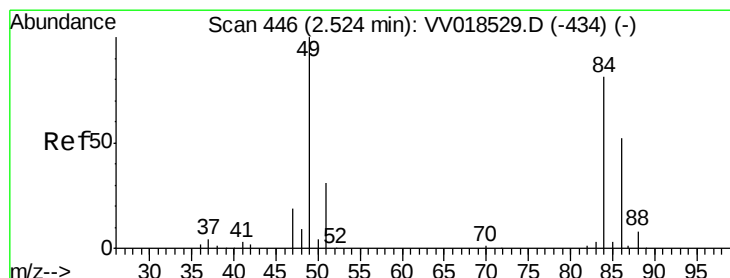
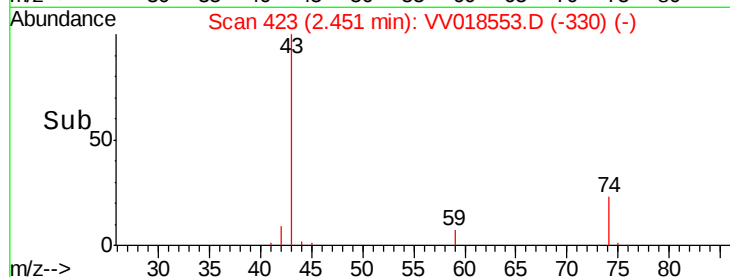
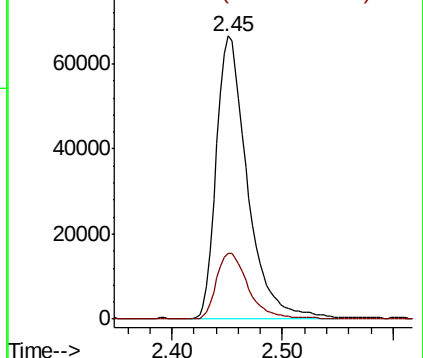
43 100

74 23.9 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 74.00 (73.70 to 74.70): VV0



#16

Methylene chloride

Concen: 49.324 ug/L

RT: 2.52 min Scan# 446

Delta R.T. 0.00 min

Lab File: VV018553.D

Acq: 30 Sep 2020 06:05

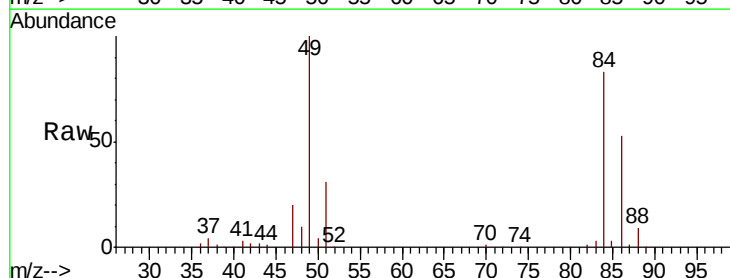
Tgt Ion: 84 Resp: 132495

Ion Ratio Lower Upper

84 100

86 63.9 46.2 85.8

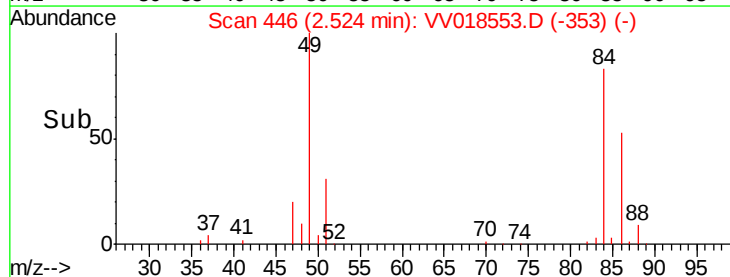
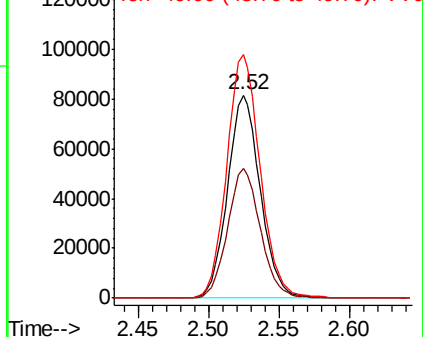
49 120.1 86.6 160.8

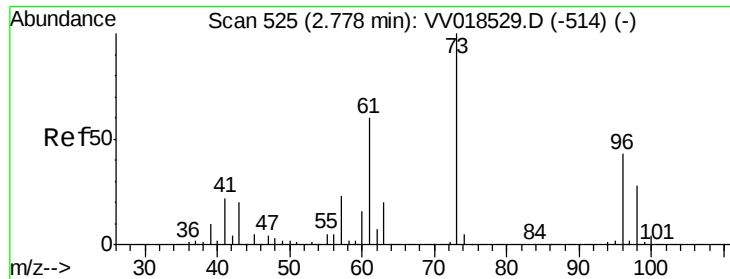


Abundance Ion 84.00 (83.70 to 84.70): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.00 (48.70 to 49.70): VV0

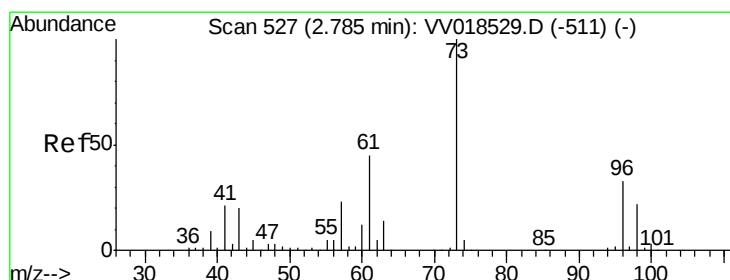
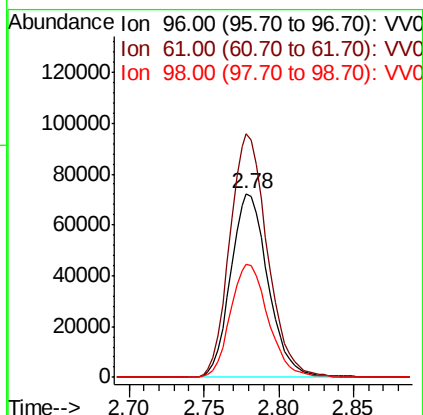
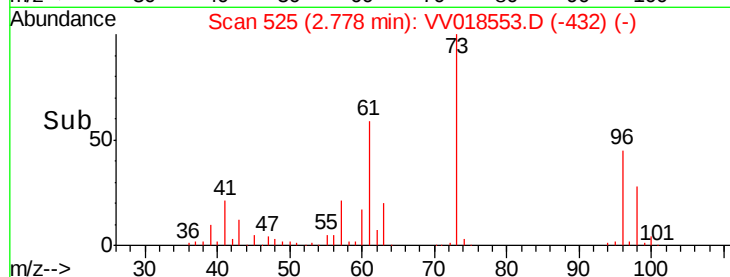
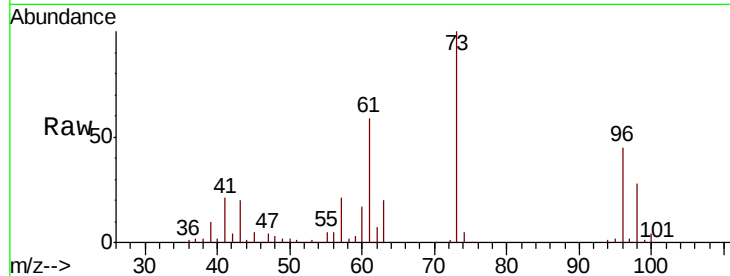




#17
trans-1,2-Dichloroethene
Concen: 49.001 ug/L
RT: 2.78 min Scan# 525
Delta R.T. 0.00 min
Lab File: VV018553.D
Acq: 30 Sep 2020 06:05

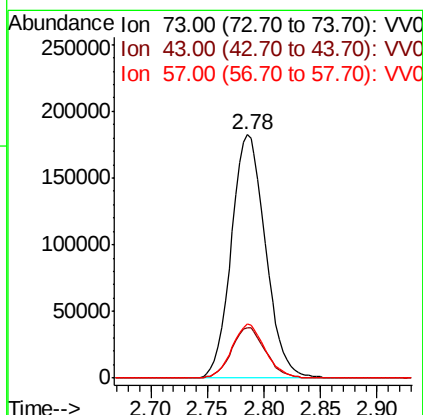
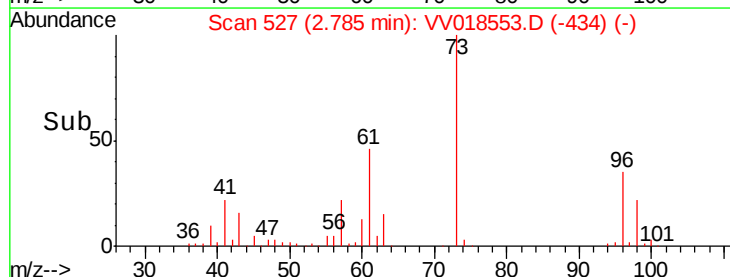
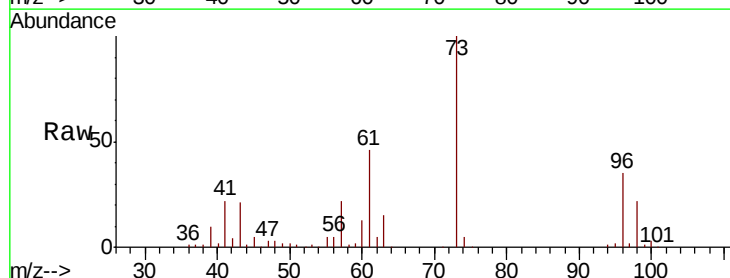
Instrument :
MSVOA_V
ClientSampleId :
VSTD05093

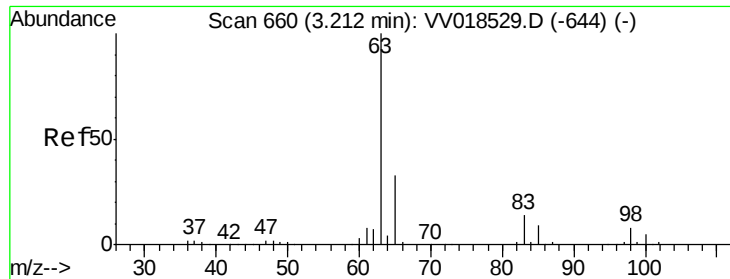
Tot Ion: 96 Resp: 125490
Ion Ratio Lower Upper
96 100
61 132.7 95.0 176.4
98 61.8 44.6 82.8



#18
Methyl tert-butyl Ether
Concen: 49.140 ug/L
RT: 2.78 min Scan# 527
Delta R.T. 0.00 min
Lab File: VV018553.D
Acq: 30 Sep 2020 06:05

Tgt Ion: 73 Resp: 383432
Ion Ratio Lower Upper
73 100
43 20.4 15.9 23.9
57 21.7 17.5 26.3

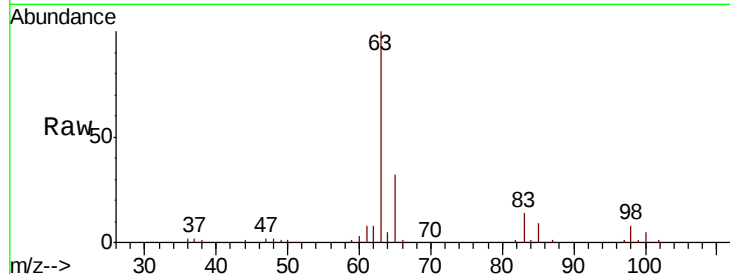




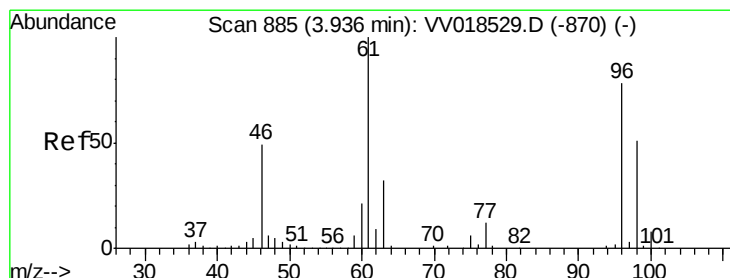
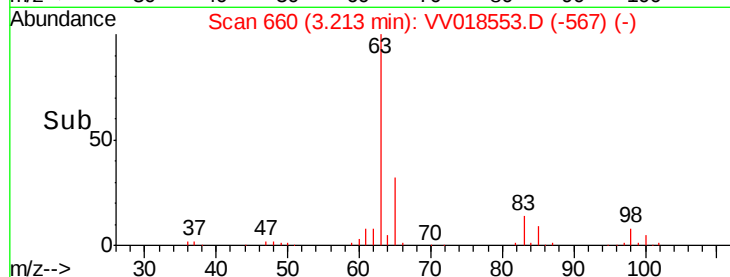
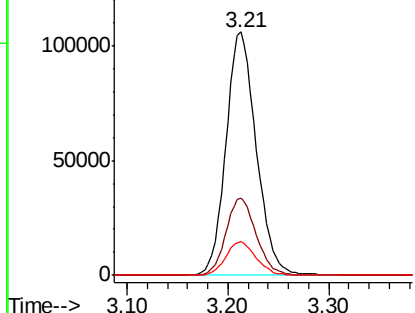
#19
 1,1-Dichloroethane
 Concen: 49.506 ug/L
 RT: 3.21 min Scan# 660
 Delta R.T. 0.00 min
 Lab File: VV018553.D
 Acq: 30 Sep 2020 06:05

Instrument :
 MSVOA_V
 ClientSampled :
 VSTD05093

Tot Ion: 63 Resp: 221989
 Ion Ratio Lower Upper
 63 100
 65 31.6 22.3 41.3
 83 13.8 9.3 17.3

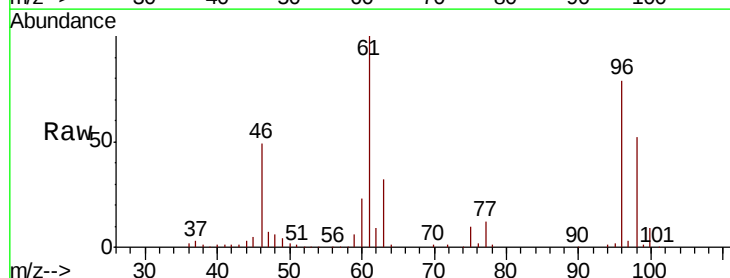


Abundance Ion 63.00 (62.70 to 63.70): VV0
 Ion 65.00 (64.70 to 65.70): VV0
 Ion 83.00 (82.70 to 83.70): VV0

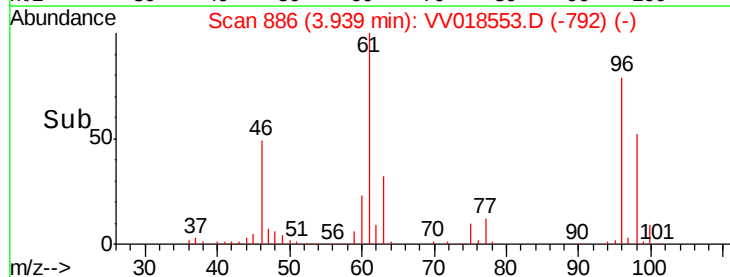
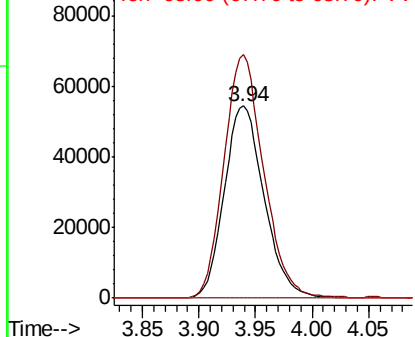


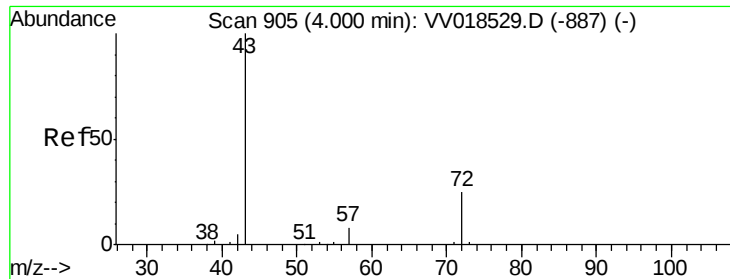
#20
 cis-1,2-Dichloroethene
 Concen: 49.049 ug/L
 RT: 3.94 min Scan# 886
 Delta R.T. 0.00 min
 Lab File: VV018553.D
 Acq: 30 Sep 2020 06:05

Tgt Ion: 96 Resp: 133498
 Ion Ratio Lower Upper
 96 100
 61 126.9 86.8 161.2
 68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.00 (60.70 to 61.70): VV0
 Ion 68.00 (67.70 to 68.70): VV0





#22

2-Butanone

Concen: 100.067 ug/L

RT: 4.00 min Scan# 906

Delta R.T. 0.00 min

Lab File: VV018553.D

Acq: 30 Sep 2020 06:05

Instrument :

MSVOA_V

ClientSampleId :

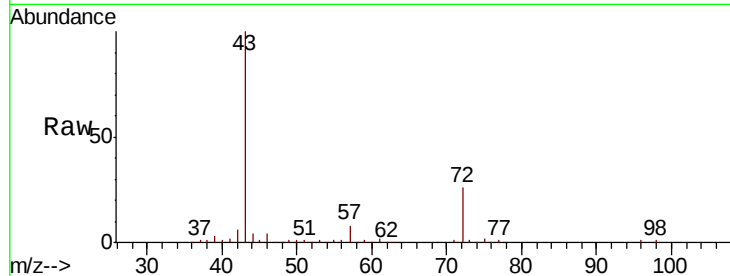
VSTD05093

Tot Ion: 43 Resp: 171295

Ion Ratio Lower Upper

43 100

72 24.6 12.1 36.3



Abundance Ion 43.00 (42.70 to 43.70): VV018529.D (-887) (-)

Ion 72.00 (71.70 to 72.70): VV018529.D (-887) (-)

4.00

60000

50000

40000

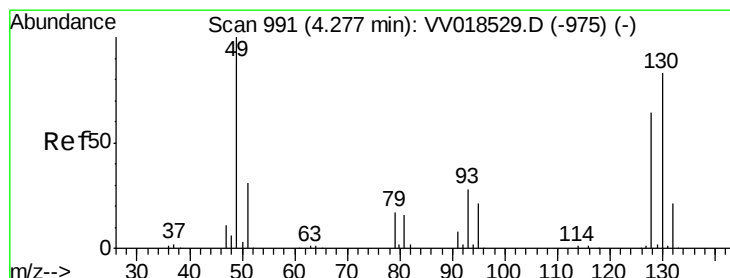
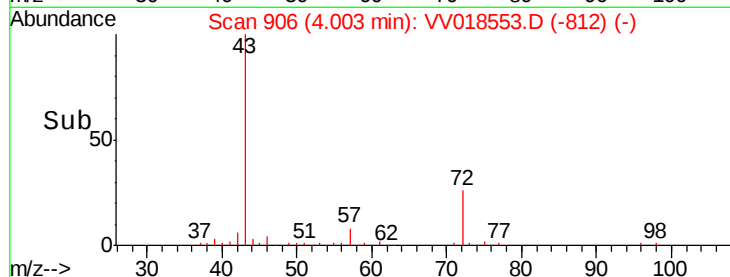
30000

20000

10000

0

Time-->



#23

Bromochloromethane

Concen: 48.286 ug/L

RT: 4.28 min Scan# 991

Delta R.T. 0.00 min

Lab File: VV018553.D

Acq: 30 Sep 2020 06:05

Tgt Ion: 128 Resp: 72267

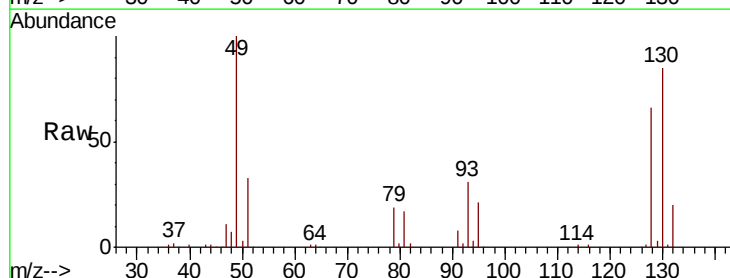
Ion Ratio Lower Upper

128 100

49 150.9 105.1 195.1

130 128.9 90.0 167.2

51 49.7 38.6 57.8



Abundance Ion 128.00 (127.70 to 128.70): VV018529.D (-975) (-)

Ion 49.00 (48.70 to 49.70): VV018529.D (-975) (-)

Ion 130.00 (129.70 to 130.70): VV018529.D (-975) (-)

Ion 51.00 (50.70 to 51.70): VV018529.D (-975) (-)

4.28

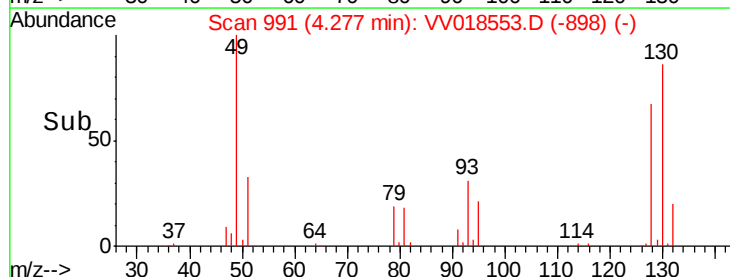
60000

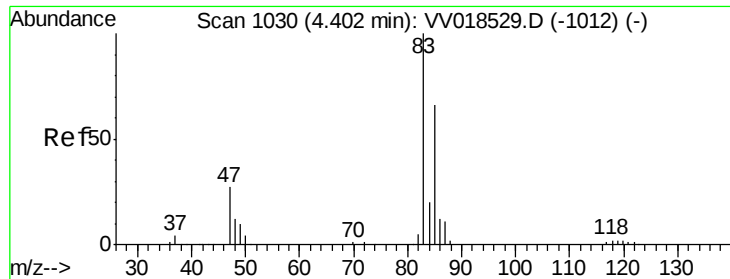
40000

20000

0

Time-->

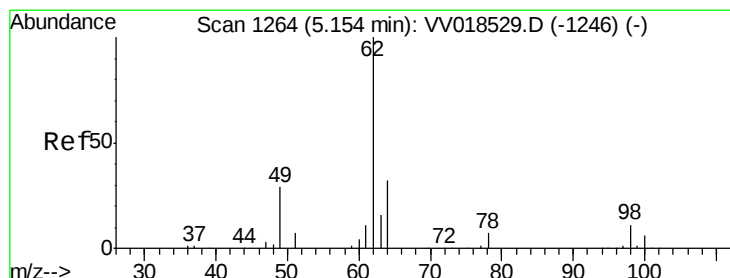
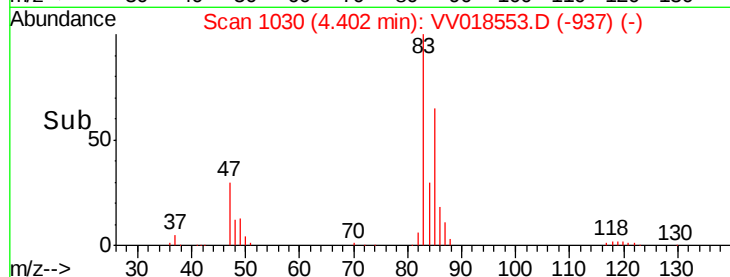
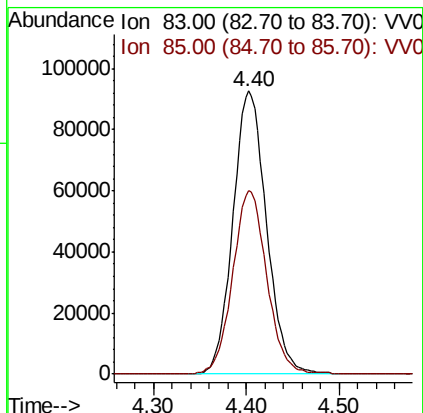
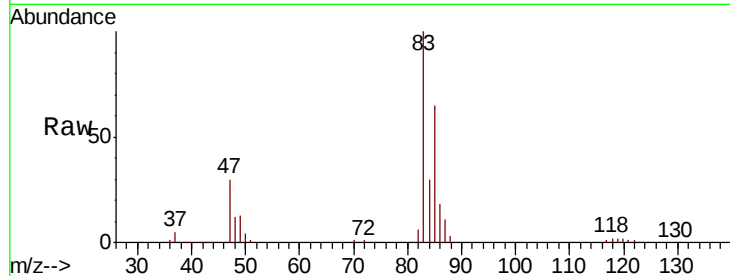




#25
Chloroform
Concen: 49.184 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VV018553.D
Acq: 30 Sep 2020 06:05

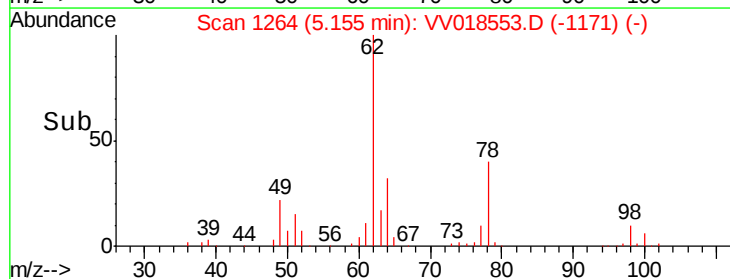
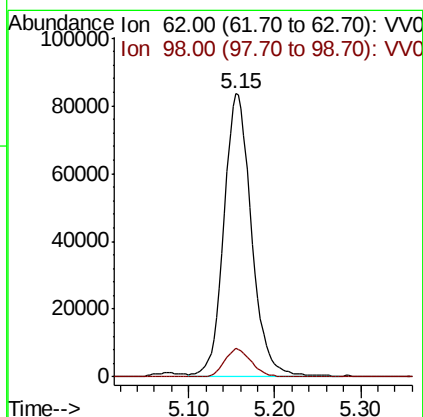
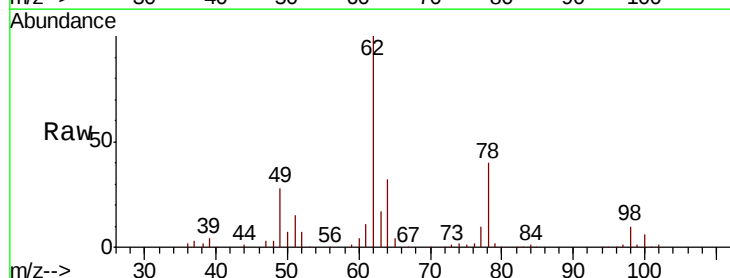
Instrument :
MSVOA_V
ClientSampled :
VSTD05093

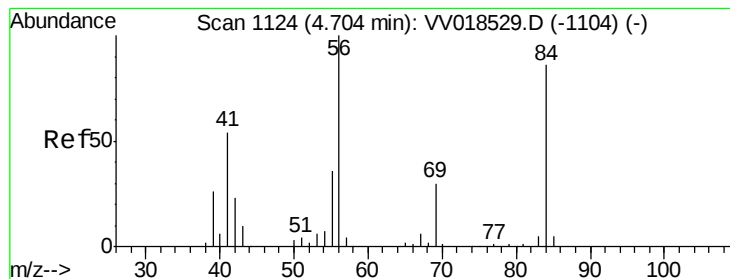
Tot Ion: 83 Resp: 232875
Ion Ratio Lower Upper
83 100
85 65.0 46.2 85.8



#27
1,2-Dichloroethane
Concen: 50.414 ug/L
RT: 5.15 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VV018553.D
Acq: 30 Sep 2020 06:05

Tgt Ion: 62 Resp: 186050
Ion Ratio Lower Upper
62 100
98 10.0 7.7 11.5





#29

Cyclohexane

Concen: 49.130 ug/L

RT: 4.70 min Scan# 1124

Delta R.T. 0.00 min

Lab File: VV018553.D

Acq: 30 Sep 2020 06:05

Instrument :

MSVOA_V

ClientSampleId :

VSTD05093

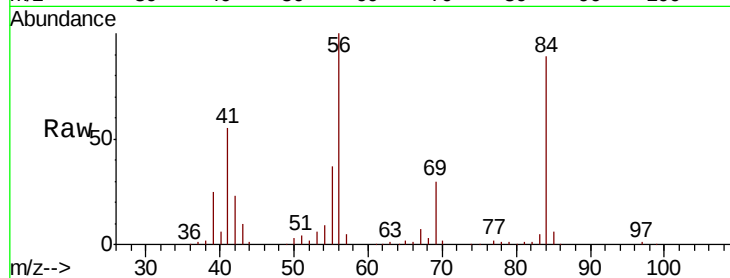
Tot Ion: 56 Resp: 193436

Ion Ratio Lower Upper

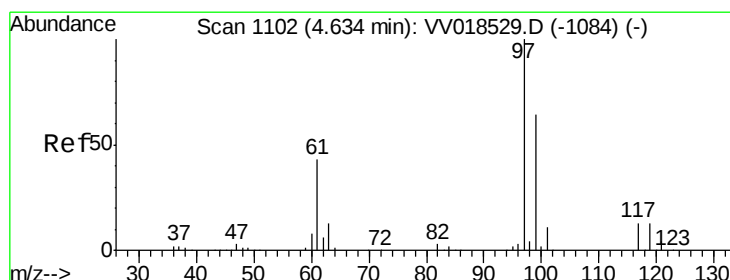
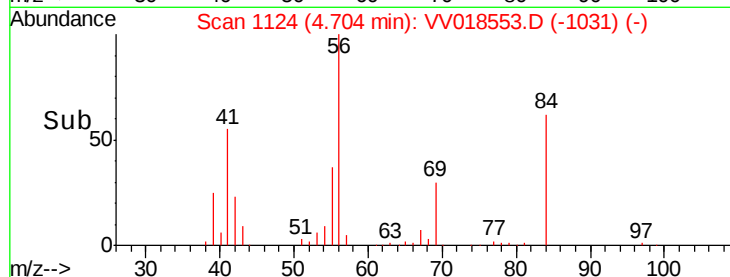
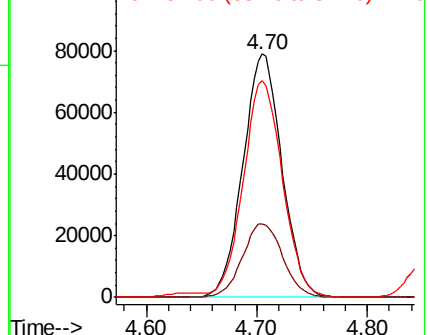
56 100

69 31.2 24.8 37.2

84 89.7 72.2 108.4



Abundance Ion 56.00 (55.70 to 56.70): VV0
Ion 69.00 (68.70 to 69.70): VV0
Ion 84.00 (83.70 to 84.70): VV0



#30

1,1,1-Trichloroethane

Concen: 49.355 ug/L

RT: 4.64 min Scan# 1103

Delta R.T. 0.00 min

Lab File: VV018553.D

Acq: 30 Sep 2020 06:05

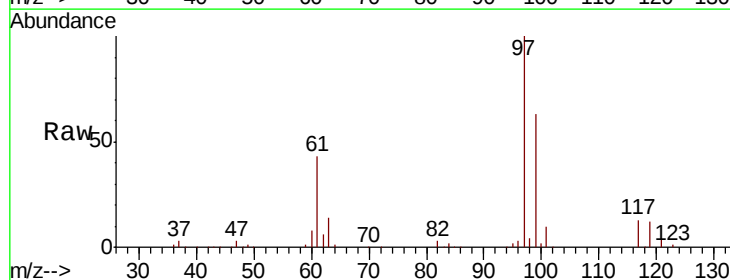
Tgt Ion: 97 Resp: 211521

Ion Ratio Lower Upper

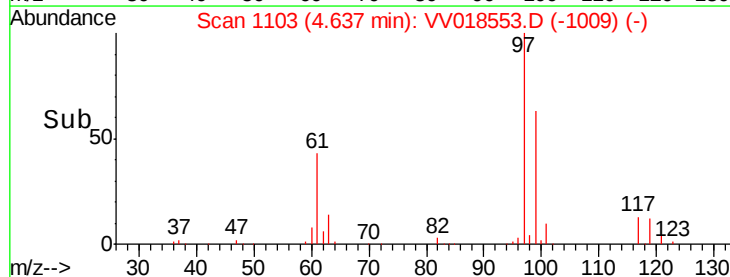
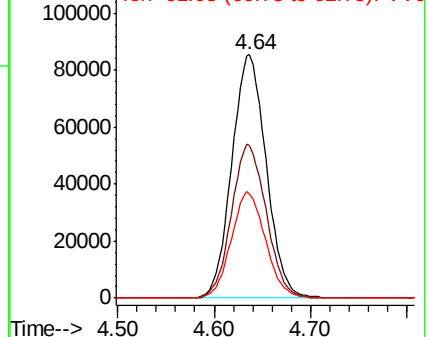
97 100

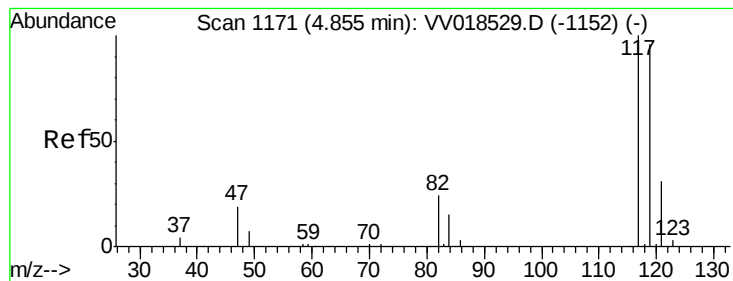
99 63.6 51.4 77.0

61 43.4 33.9 50.9



Abundance Ion 97.00 (96.70 to 97.70): VV0
Ion 99.00 (98.70 to 99.70): VV0
Ion 61.05 (60.75 to 61.75): VV0





#31

Carbon tetrachloride

Concen: 48.500 ug/L

RT: 4.86 min Scan# 1171

Delta R.T. 0.00 min

Lab File: VV018553.D

Acq: 30 Sep 2020 06:05

Instrument :

MSVOA_V

ClientSampleId :

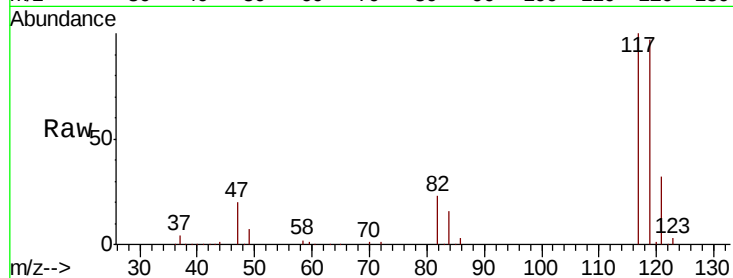
VSTD05093

Tot Ion:117 Resp: 186546

Ion Ratio Lower Upper

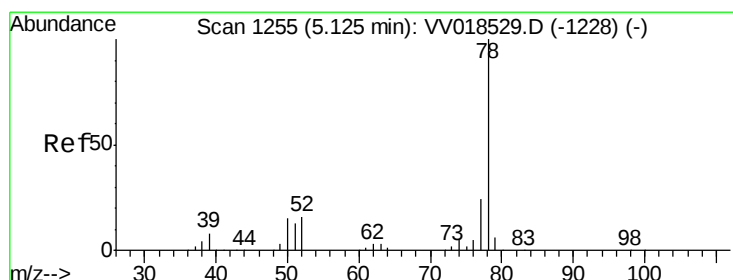
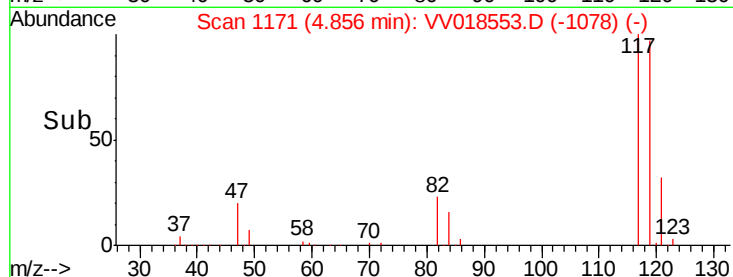
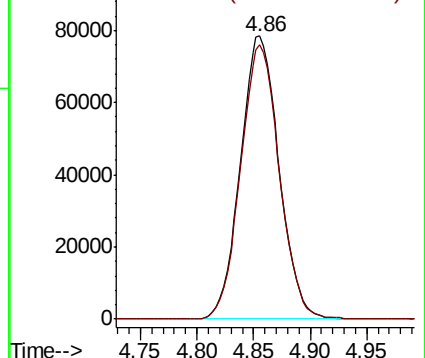
117 100

119 96.9 77.0 115.6



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 49.686 ug/L

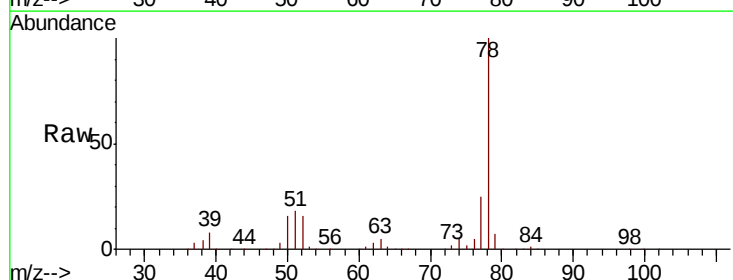
RT: 5.13 min Scan# 1255

Delta R.T. 0.00 min

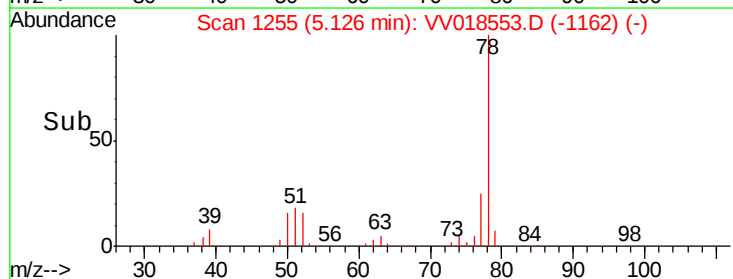
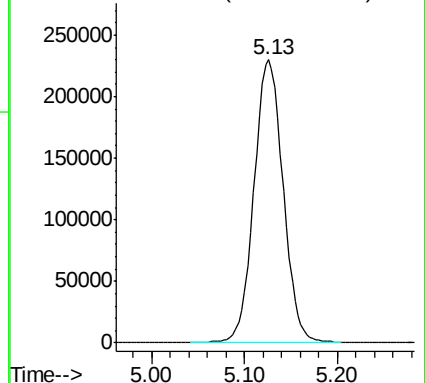
Lab File: VV018553.D

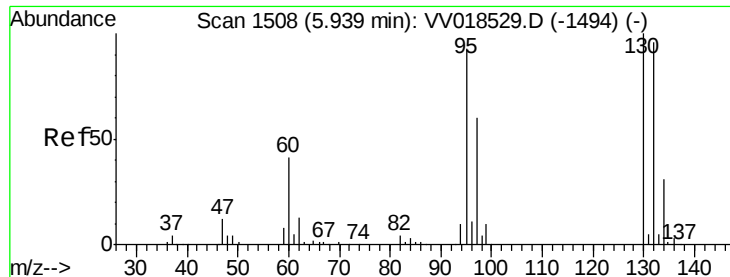
Acq: 30 Sep 2020 06:05

Tgt Ion: 78 Resp: 503907



Abundance Ion 78.00 (77.70 to 78.70): VV0





#34

Trichloroethene

Concen: 49.371 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VV018553.D

Acq: 30 Sep 2020 06:05

Instrument :

MSVOA_V

ClientSampleId :

VSTD05093

Tot Ion: 95 Resp: 145366

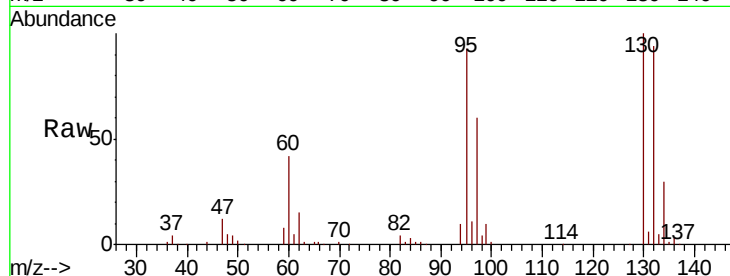
Ion Ratio Lower Upper

95 100

97 64.9 45.9 85.3

132 101.2 70.8 131.4

130 107.7 75.3 139.8

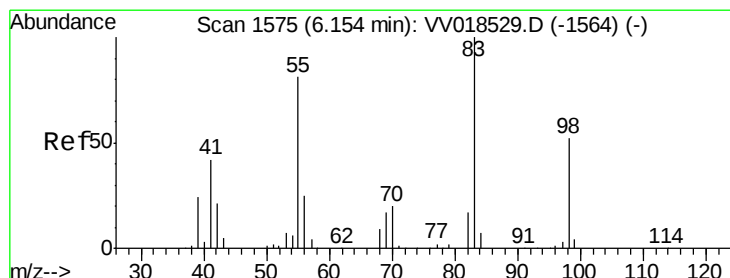
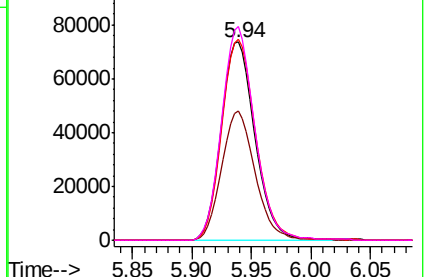
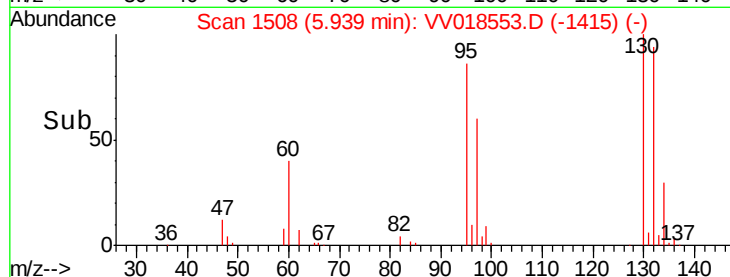


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): VV0

Ion 130.00 (129.70 to 130.70): VV0



#35

Methylcyclohexane

Concen: 45.376 ug/L

RT: 6.15 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VV018553.D

Acq: 30 Sep 2020 06:05

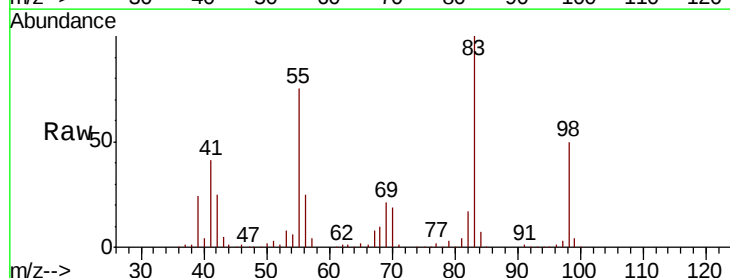
Tgt Ion: 83 Resp: 180227

Ion Ratio Lower Upper

83 100

55 76.3 60.1 90.1

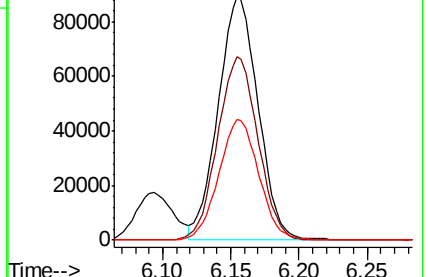
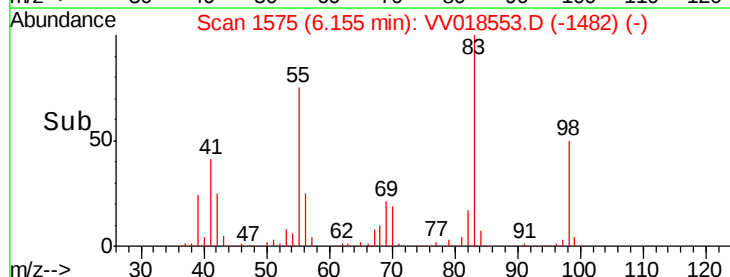
98 49.7 40.2 60.4

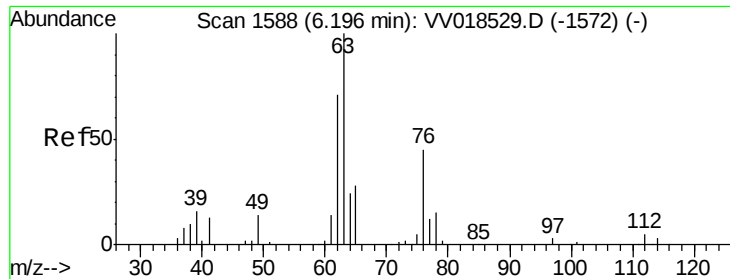


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0





#37

1,2-Dichloropropane

Concen: 48.671 ug/L

RT: 6.20 min Scan# 1588

Delta R.T. 0.00 min

Lab File: VV018553.D

Acq: 30 Sep 2020 06:05

Instrument :

MSVOA_V

ClientSampleId :

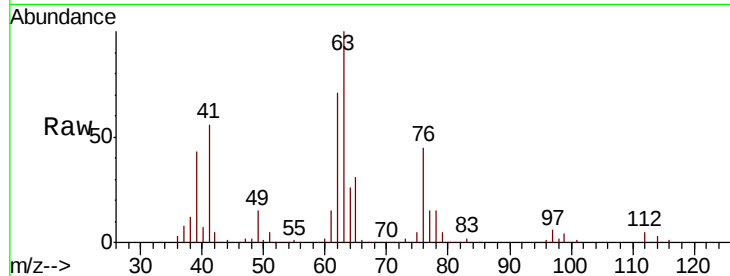
VSTD05093

Tot Ion: 63 Resp: 126641

Ion Ratio Lower Upper

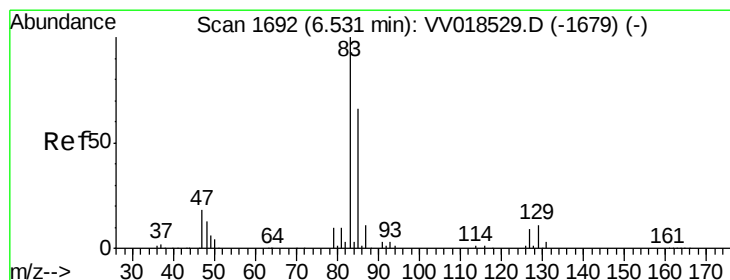
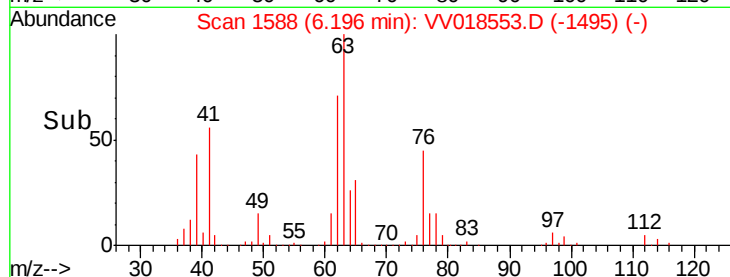
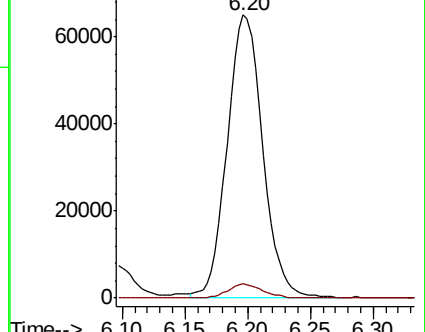
63 100

112 4.9 3.9 5.9



Abundance Ion 63.00 (62.70 to 63.70): VV018529.D (-1572) (-)

Ion 112.00 (111.70 to 112.70): VV018529.D (-1572) (-)



#38

Bromodichloromethane

Concen: 49.712 ug/L

RT: 6.53 min Scan# 1692

Delta R.T. 0.00 min

Lab File: VV018553.D

Acq: 30 Sep 2020 06:05

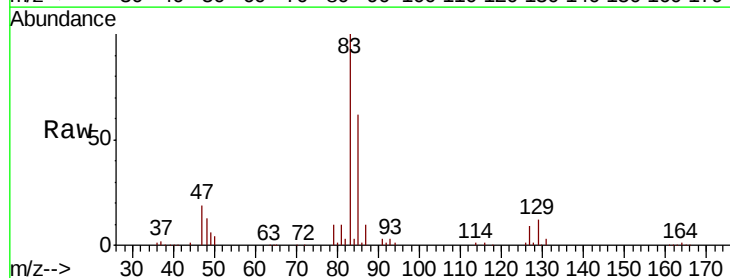
Tgt Ion: 83 Resp: 173231

Ion Ratio Lower Upper

83 100

85 62.0 44.5 82.7

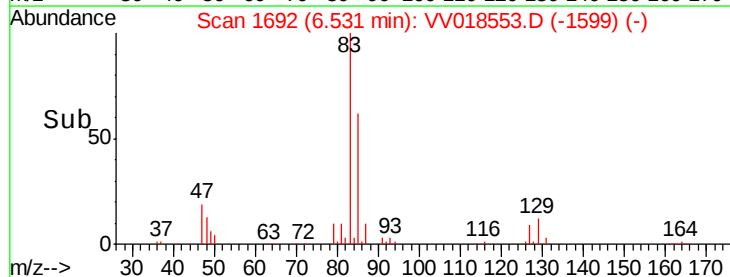
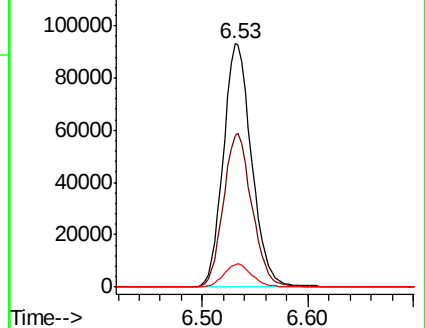
127 9.3 7.2 10.8

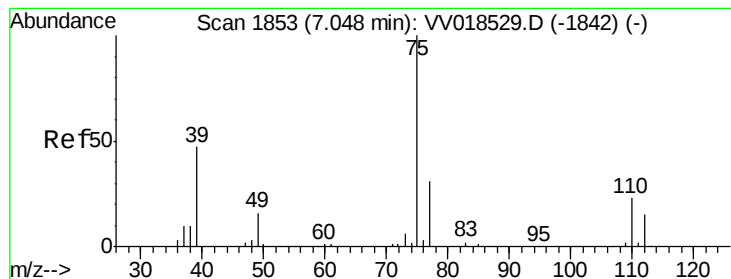


Abundance Ion 83.00 (82.70 to 83.70): VV018529.D (-1679) (-)

Ion 85.00 (84.70 to 85.70): VV018529.D (-1679) (-)

Ion 127.00 (126.70 to 127.70): VV018529.D (-1679) (-)



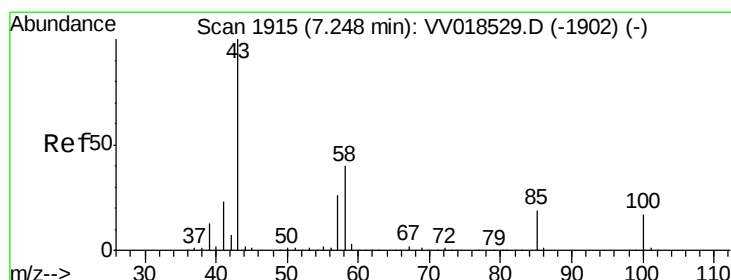
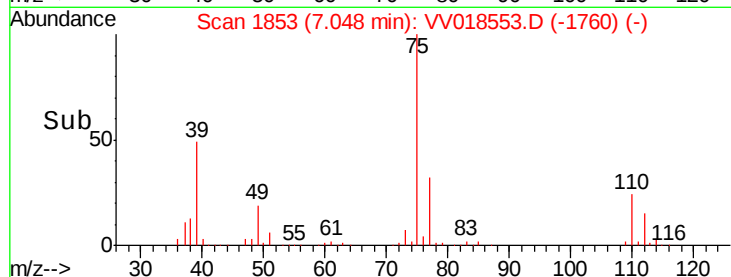
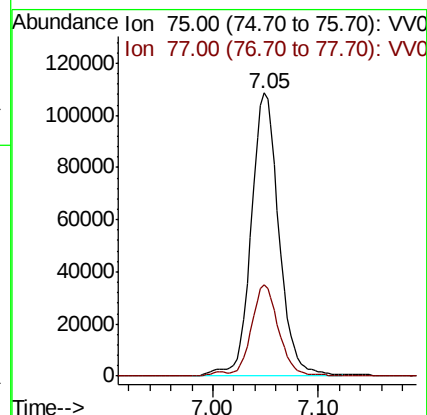
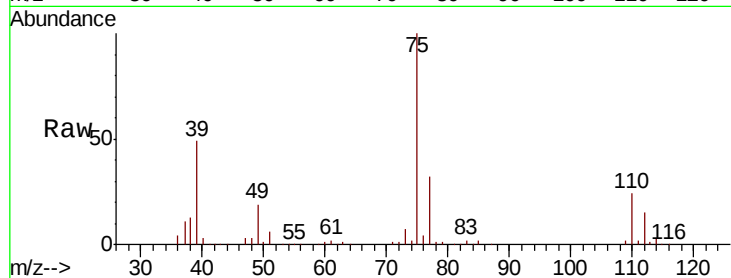


#39

cis-1,3-Dichloropropene
 Concen: 49.043 ug/L
 RT: 7.05 min Scan# 1853
 Delta R.T. 0.00 min
 Lab File: VV018553.D
 Acq: 30 Sep 2020 06:05

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05093

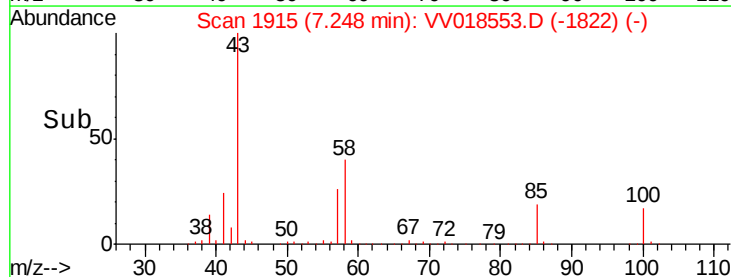
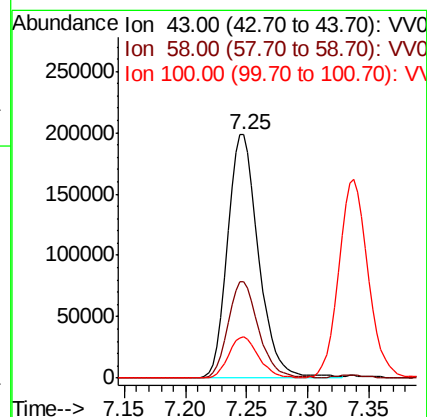
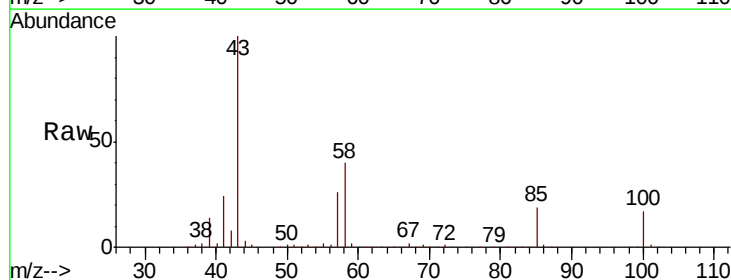
Tot Ion: 75 Resp: 200213
 Ion Ratio Lower Upper
 75 100
 77 32.4 23.0 42.6

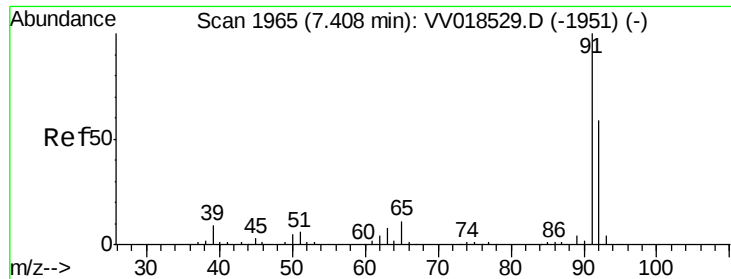


#40

4-Methyl-2-pentanone
 Concen: 105.378 ug/L
 RT: 7.25 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VV018553.D
 Acq: 30 Sep 2020 06:05

Tgt Ion: 43 Resp: 353811
 Ion Ratio Lower Upper
 43 100
 58 39.0 31.8 47.6
 100 16.5 13.4 20.0





#42

Toluene

Concen: 50.248 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VV018553.D

Acq: 30 Sep 2020 06:05

Instrument :

MSVOA_V

ClientSampleId :

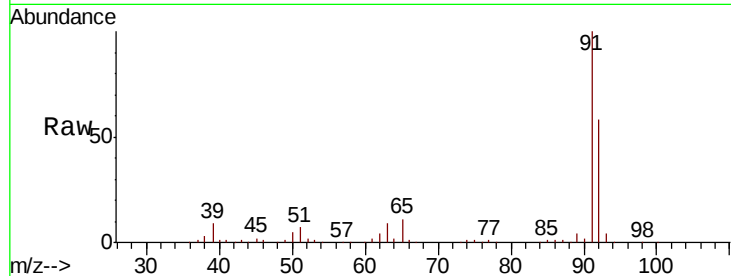
VSTD05093

Tot Ion: 91 Resp: 551287

Ion Ratio Lower Upper

91 100

92 57.9 41.6 77.3



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 92.00 (91.70 to 92.70): VV0

7.41

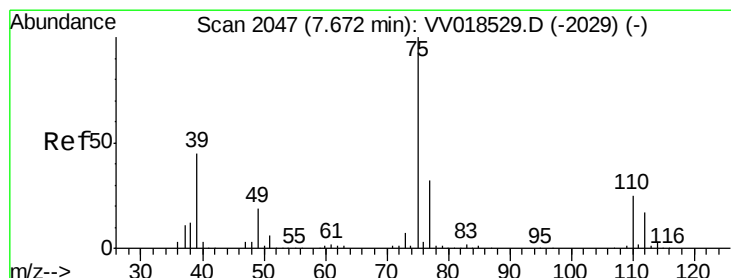
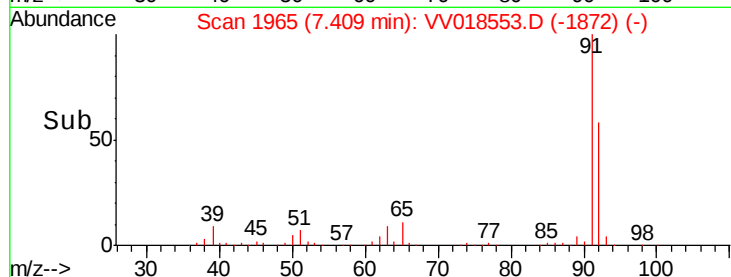
300000

200000

100000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 48.476 ug/L

RT: 7.67 min Scan# 2047

Delta R.T. 0.00 min

Lab File: VV018553.D

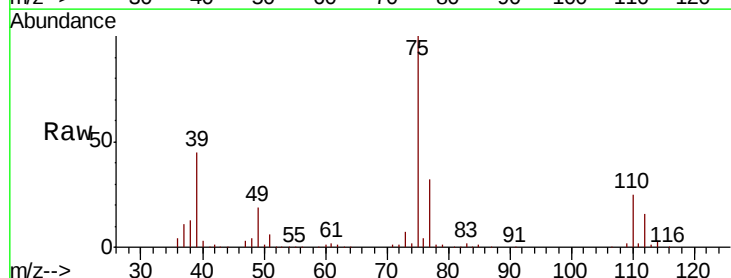
Acq: 30 Sep 2020 06:05

Tgt Ion: 75 Resp: 194400

Ion Ratio Lower Upper

75 100

77 31.6 22.7 42.1



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

7.67

120000

100000

80000

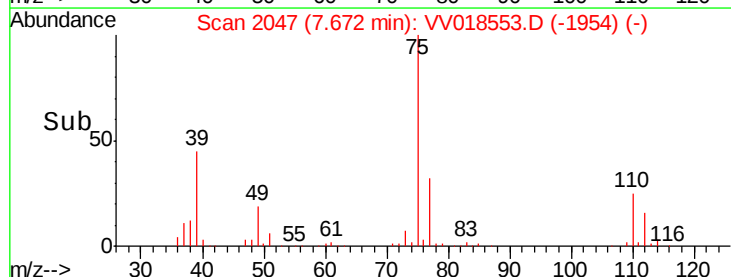
60000

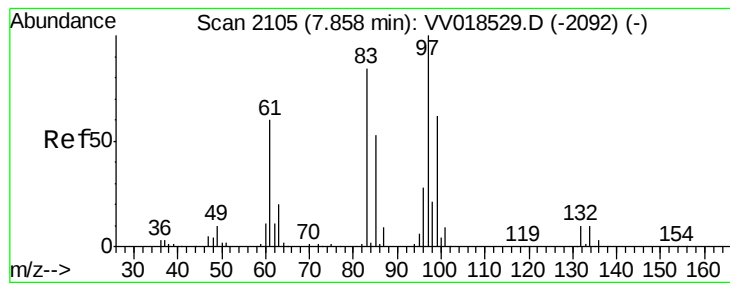
40000

20000

0

Time-->





#45

1,1,2-Trichloroethane

Concen: 50.092 ug/L

RT: 7.86 min Scan# 2105

Delta R.T. 0.00 min

Lab File: VV018553.D

Acq: 30 Sep 2020 06:05

Instrument :

MSVOA_V

ClientSampleId :

VSTD05093

Tot Ion: 97 Resp: 129027

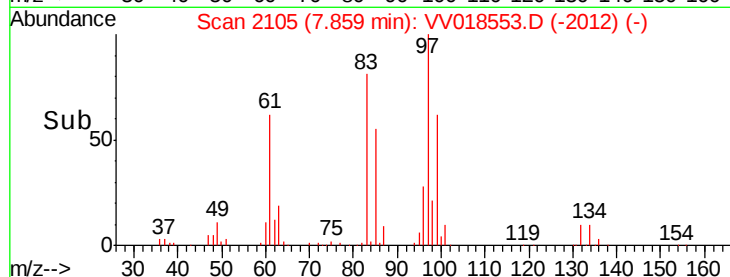
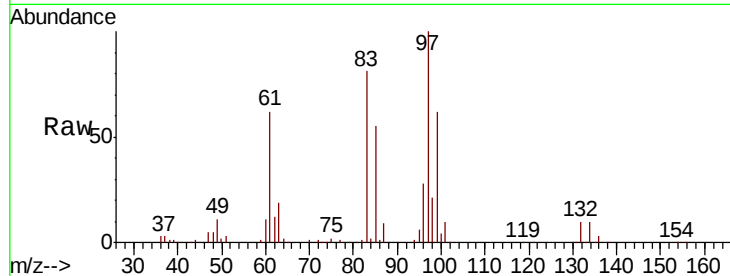
Ion Ratio Lower Upper

97 100

99 61.8 43.3 80.3

83 81.4 60.5 112.5

85 54.6 38.3 71.1

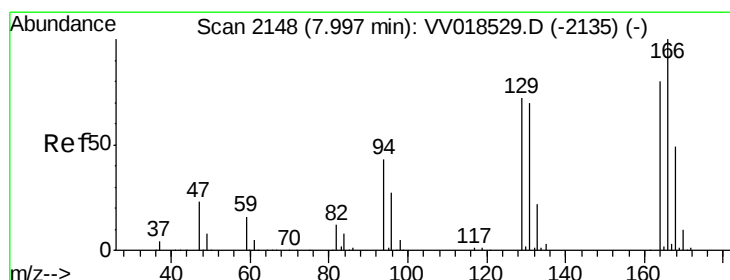
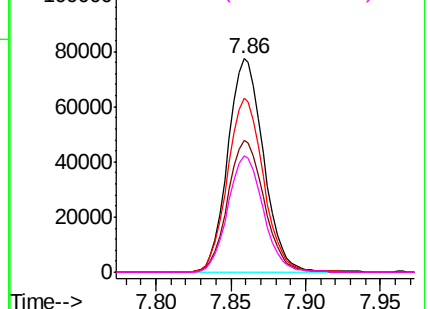


Abundance Ion 97.00 (96.70 to 97.70): VV018553.D (-2012) (-)

Ion 99.00 (98.70 to 99.70): VV018553.D (-2012) (-)

Ion 83.00 (82.70 to 83.70): VV018553.D (-2012) (-)

Ion 85.00 (84.70 to 85.70): VV018553.D (-2012) (-)



#46

Tetrachloroethene

Concen: 47.826 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. 0.00 min

Lab File: VV018553.D

Acq: 30 Sep 2020 06:05

Tgt Ion: 164 Resp: 114242

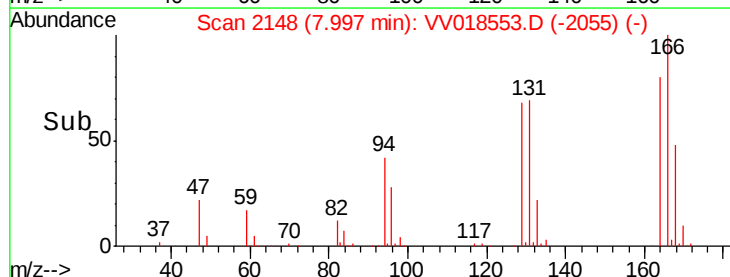
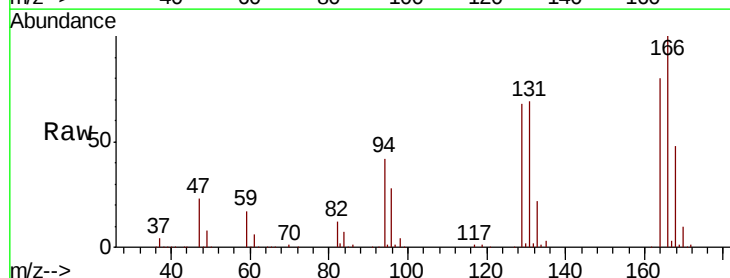
Ion Ratio Lower Upper

164 100

129 84.9 62.8 116.6

131 87.3 60.8 112.8

166 125.6 88.9 165.1

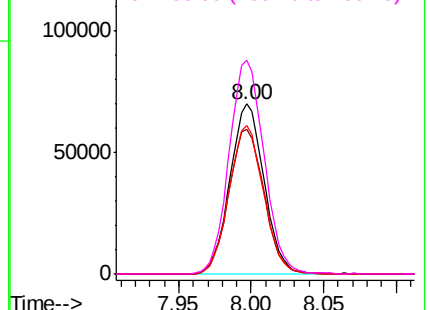


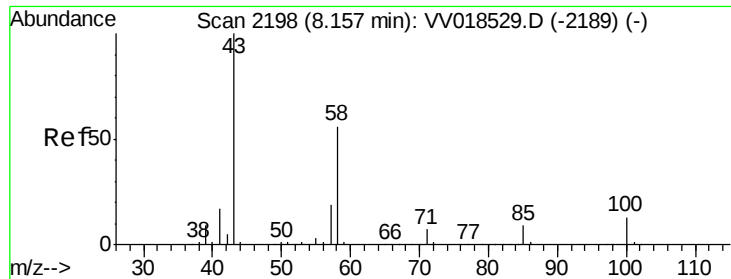
Abundance Ion 164.00 (163.70 to 164.70): VV018553.D (-2055) (-)

Ion 129.00 (128.70 to 129.70): VV018553.D (-2055) (-)

Ion 131.00 (130.70 to 131.70): VV018553.D (-2055) (-)

Ion 166.00 (165.70 to 166.70): VV018553.D (-2055) (-)

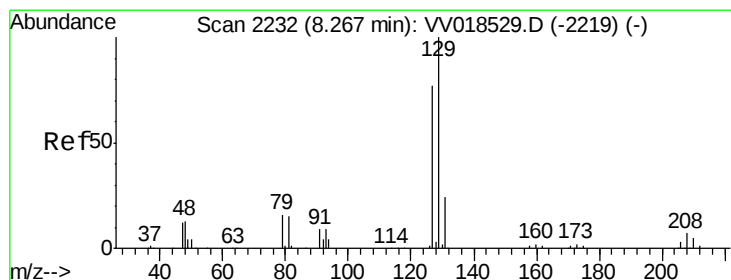
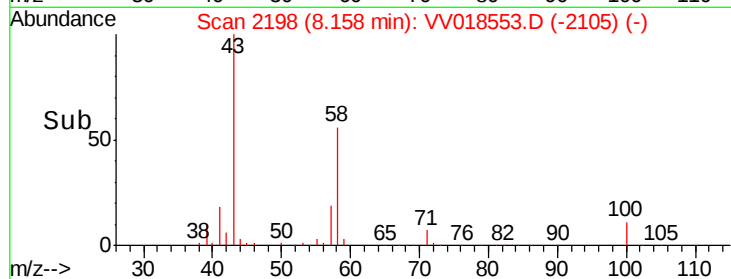
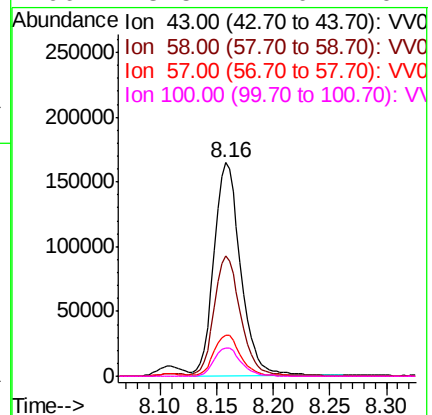
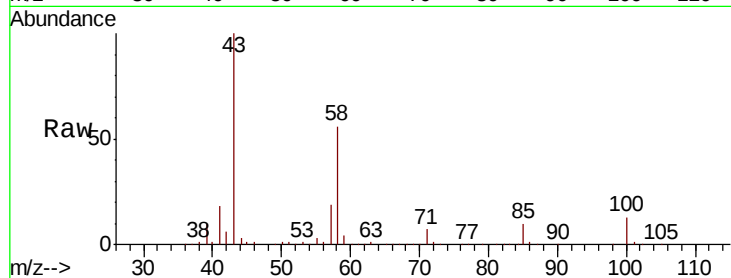




#48
2-Hexanone
Concen: 103.369 ug/L
RT: 8.16 min Scan# 2198
Delta R.T. 0.00 min
Lab File: VV018553.D
Acq: 30 Sep 2020 06:05

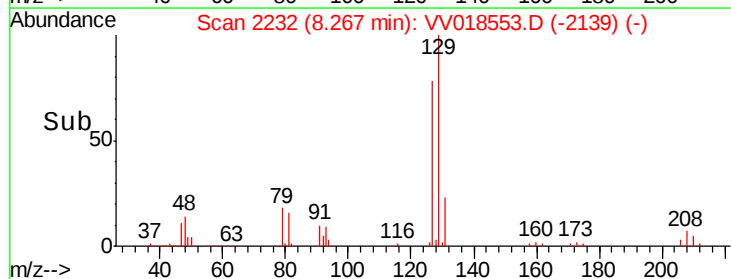
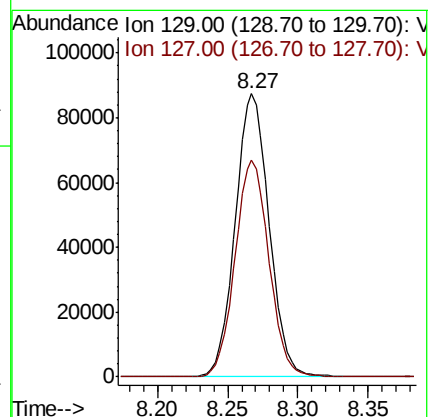
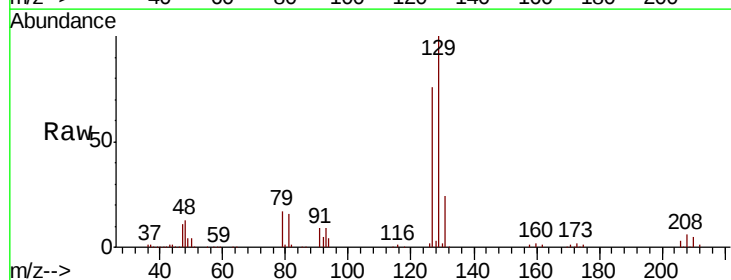
Instrument :
MSVOA_V
ClientSampleId :
VSTD05093

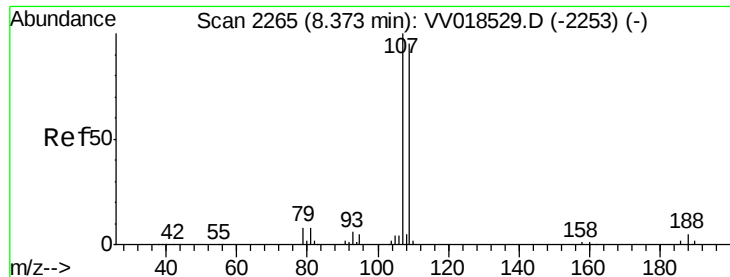
Tot Ion: 43 Resp: 270795
Ion Ratio Lower Upper
43 100
58 55.7 45.1 67.7
57 19.1 15.7 23.5
100 13.5 11.0 16.4



#49
Dibromochloromethane
Concen: 49.896 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. 0.00 min
Lab File: VV018553.D
Acq: 30 Sep 2020 06:05

Tgt Ion: 129 Resp: 147002
Ion Ratio Lower Upper
129 100
127 76.4 54.1 100.5

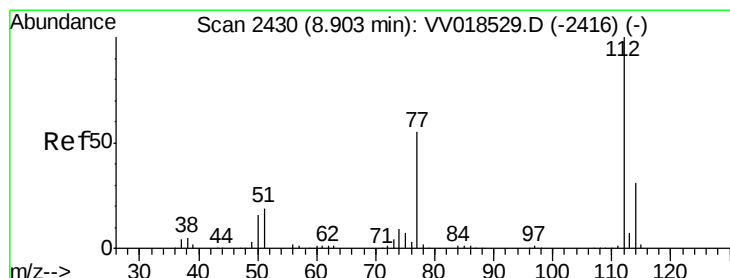
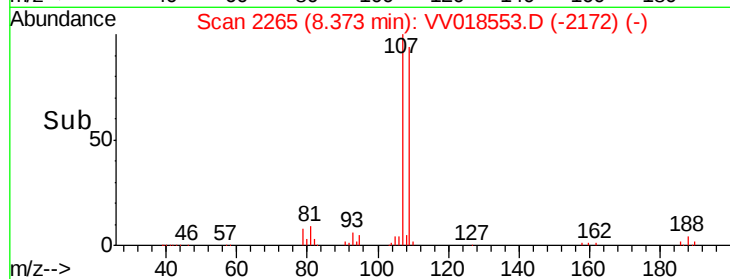
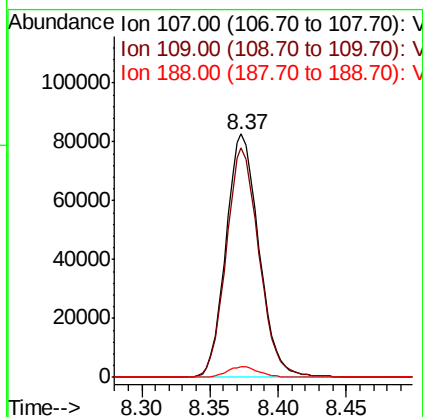
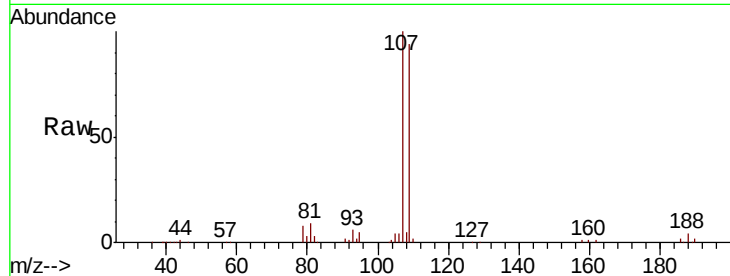




#50
1,2-Dibromoethane
Concen: 50.825 ug/L
RT: 8.37 min Scan# 2265
Delta R.T. 0.00 min
Lab File: VV018553.D
Acq: 30 Sep 2020 06:05

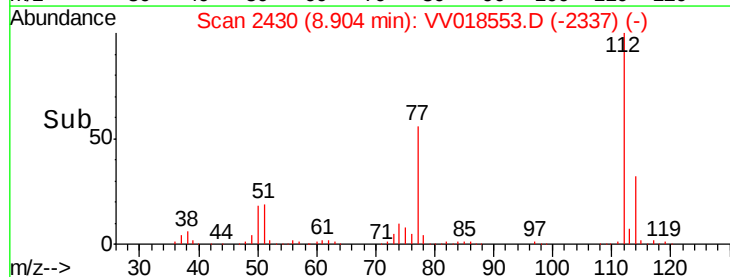
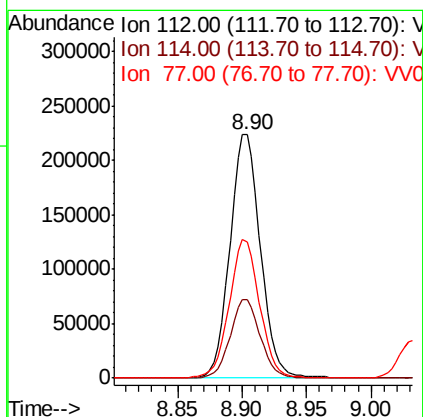
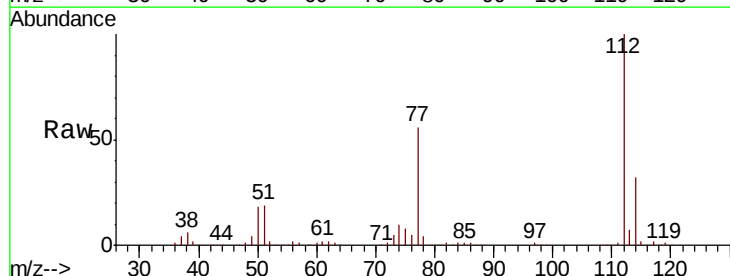
Instrument :
MSVOA_V
ClientSampled :
VSTD05093

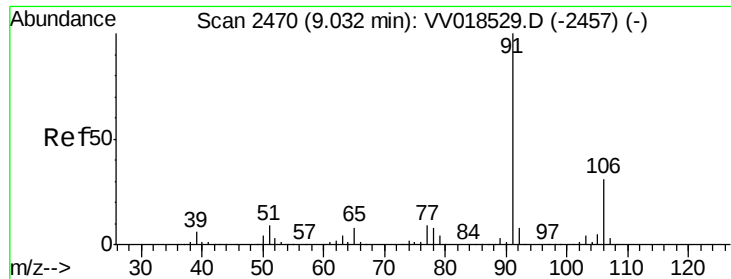
Tot Ion	Ratio	Lower	Upper
107	100		
109	94.1	65.1	120.9
188	4.2	3.7	5.5



#51
Chlorobenzene
Concen: 49.499 ug/L
RT: 8.90 min Scan# 2430
Delta R.T. 0.00 min
Lab File: VV018553.D
Acq: 30 Sep 2020 06:05

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.3	22.4	41.6
77	55.7	44.8	67.2





#52

Ethylbenzene

Concen: 49.396 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. 0.00 min

Lab File: VV018553.D

Acq: 30 Sep 2020 06:05

Instrument :

MSVOA_V

ClientSampleId :

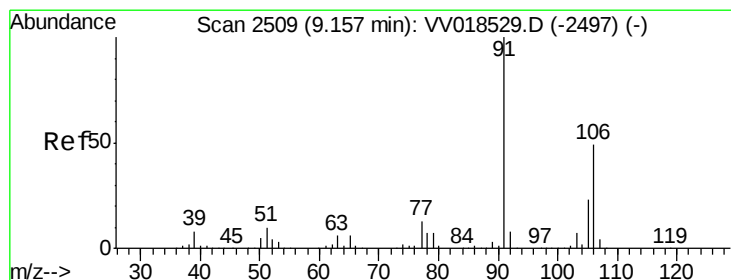
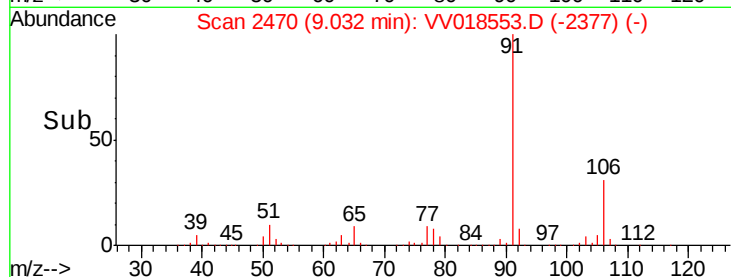
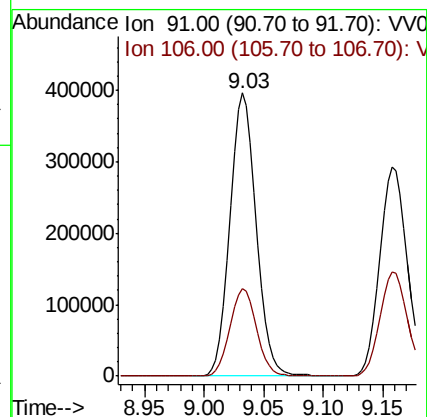
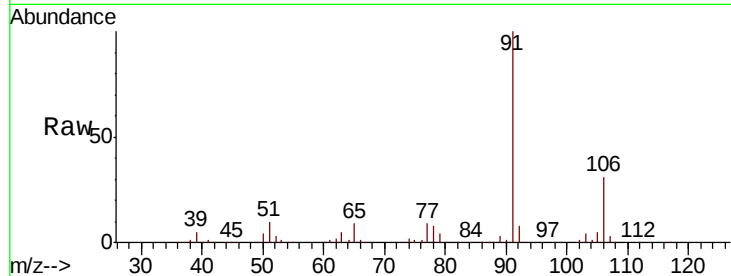
VSTD05093

Tot Ion: 91 Resp: 605219

Ion Ratio Lower Upper

91 100

106 30.8 21.9 40.7



#53

m,p-Xylene

Concen: 49.198 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VV018553.D

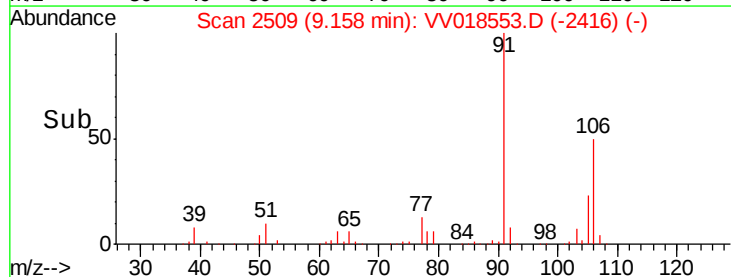
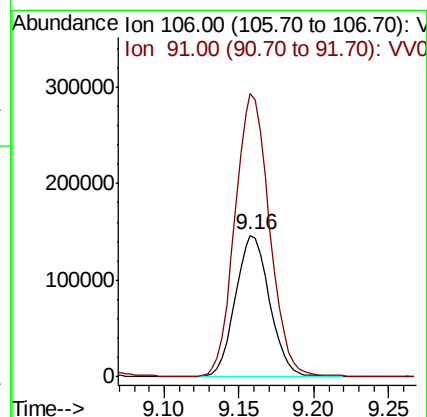
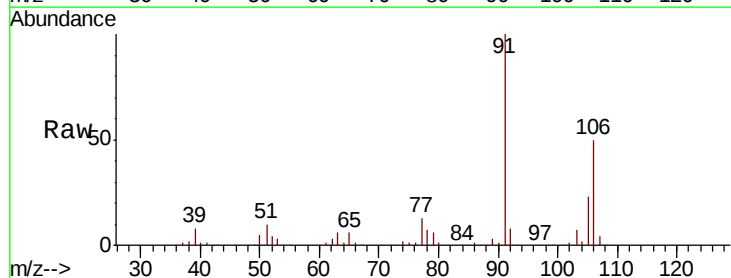
Acq: 30 Sep 2020 06:05

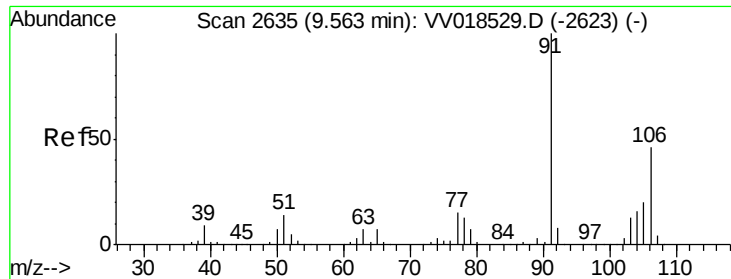
Tgt Ion: 106 Resp: 232958

Ion Ratio Lower Upper

106 100

91 200.3 142.3 264.3





#54

o-xylene

Concen: 51.138 ug/L

RT: 9.56 min Scan# 2635

Delta R.T. 0.00 min

Lab File: VV018553.D

Acq: 30 Sep 2020 06:05

Instrument :

MSVOA_V

ClientSampleId :

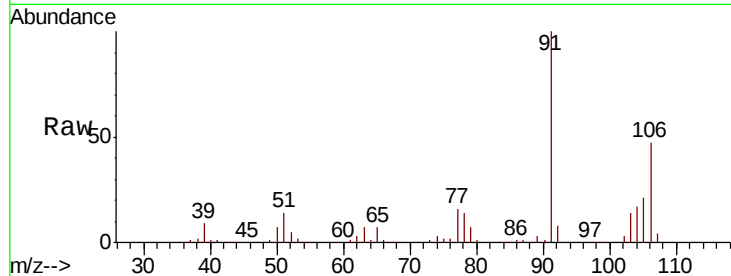
VSTD05093

Tot Ion:106 Resp: 229252

Ion Ratio Lower Upper

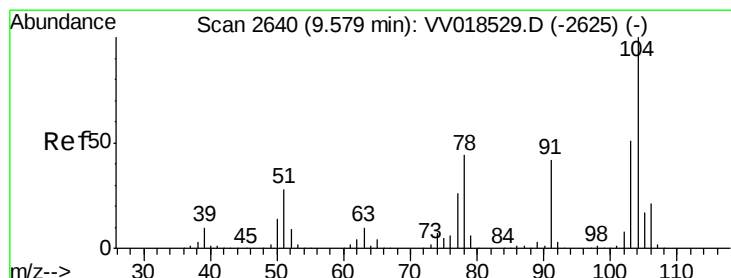
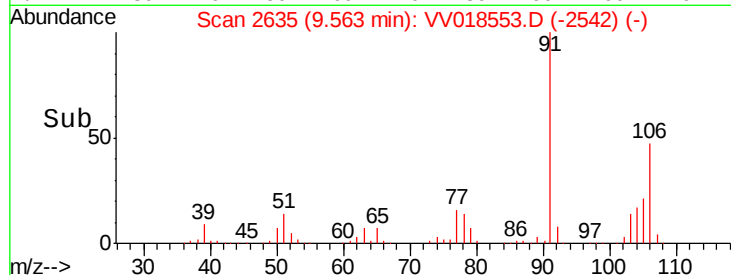
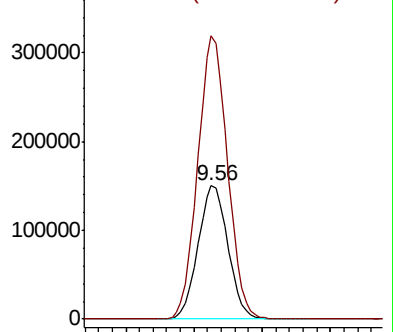
106 100

91 212.3 151.0 280.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 51.033 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. 0.00 min

Lab File: VV018553.D

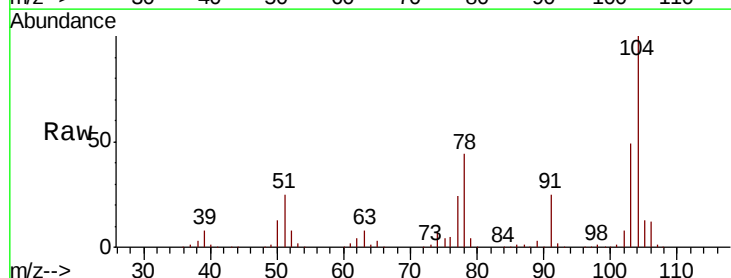
Acq: 30 Sep 2020 06:05

Tgt Ion:104 Resp: 398360

Ion Ratio Lower Upper

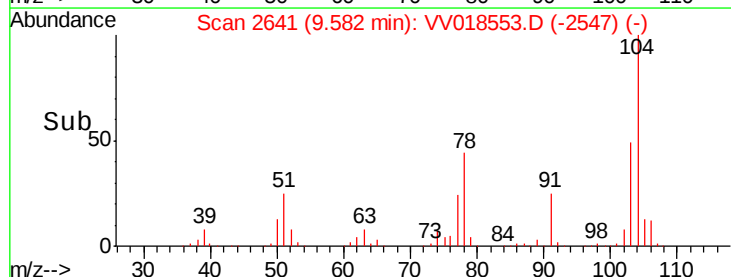
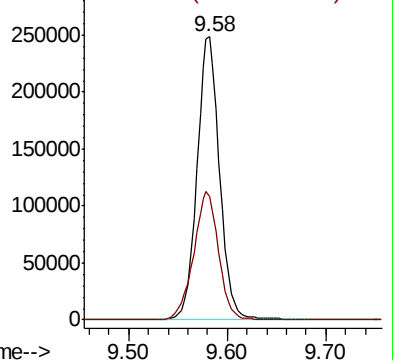
104 100

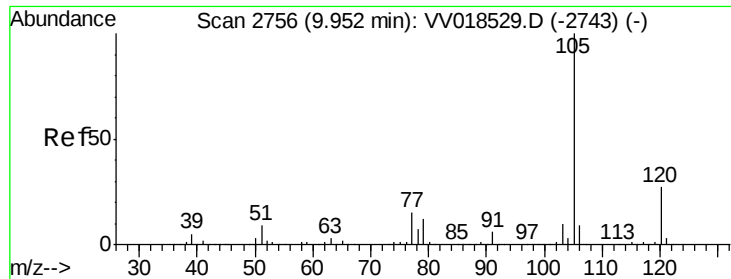
78 43.7 30.2 56.2



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 49.768 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV018553.D

Acq: 30 Sep 2020 06:05

Instrument :

MSVOA_V

ClientSampled :

VSTD05093

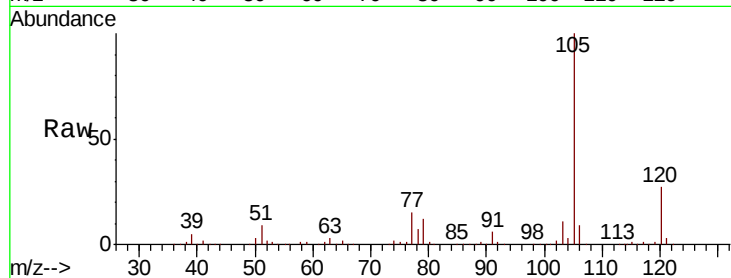
Tot Ion:105 Resp: 598364

Ion Ratio Lower Upper

105 100

120 26.4 21.5 32.3

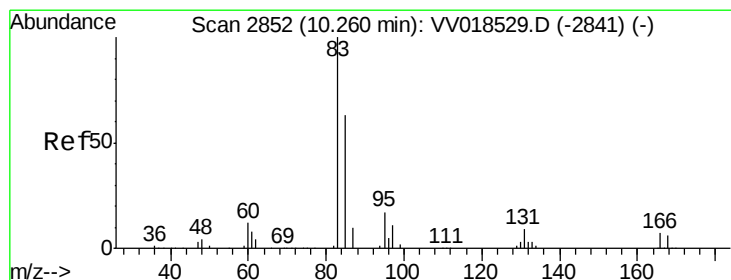
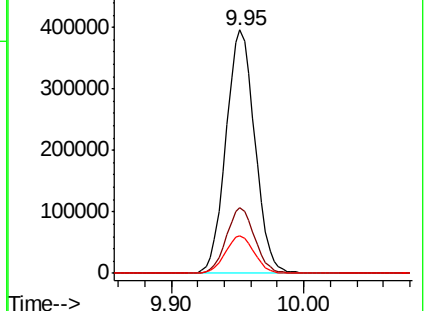
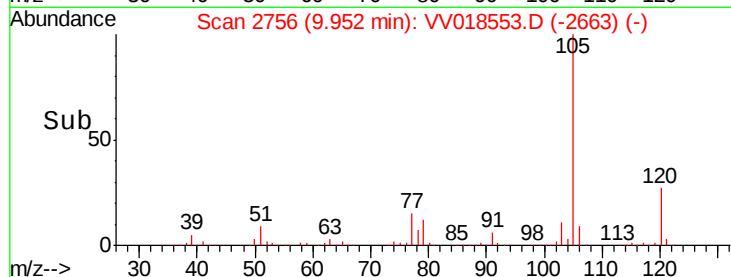
77 15.4 12.2 18.2



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: 49.984 ug/L

RT: 10.26 min Scan# 2852

Delta R.T. 0.00 min

Lab File: VV018553.D

Acq: 30 Sep 2020 06:05

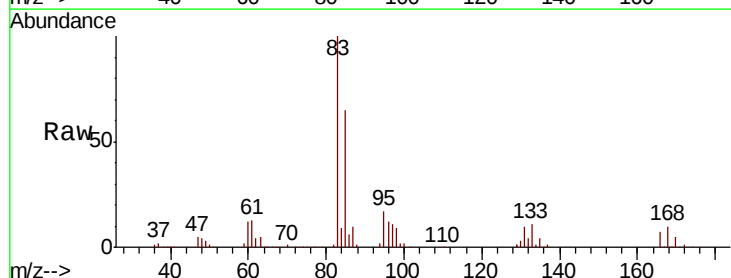
Tgt Ion: 83 Resp: 181479

Ion Ratio Lower Upper

83 100

85 65.0 44.5 82.7

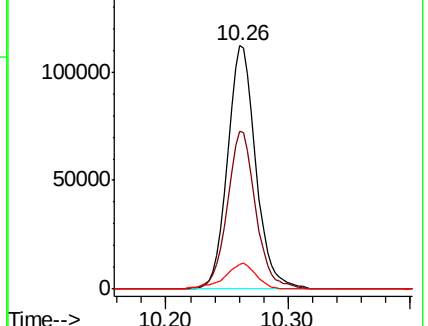
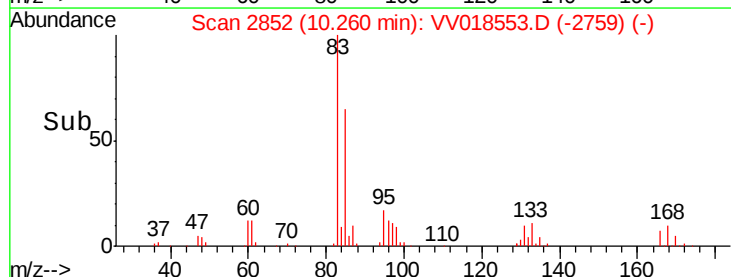
131 10.3 8.6 12.8

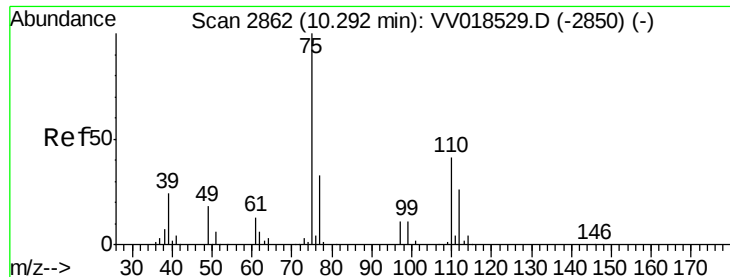


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 50.312 ug/L

RT: 10.29 min Scan# 2862

Delta R.T. 0.00 min

Lab File: VV018553.D

Acq: 30 Sep 2020 06:05

Instrument :

MSVOA_V

ClientSampleId :

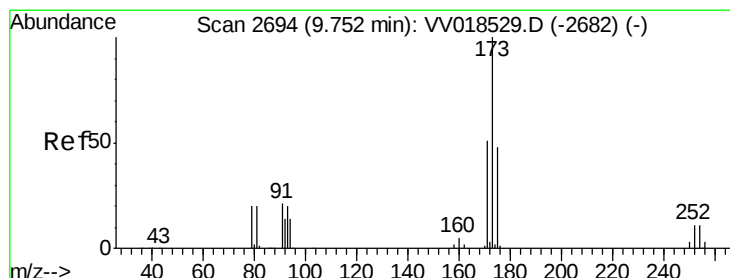
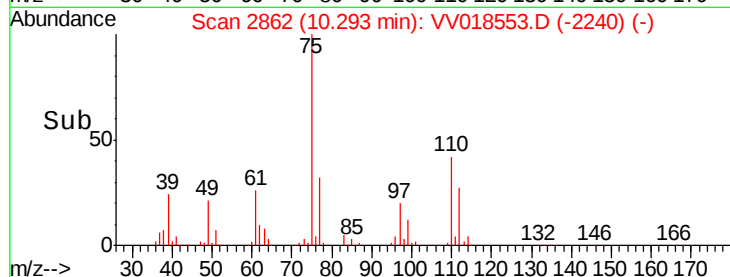
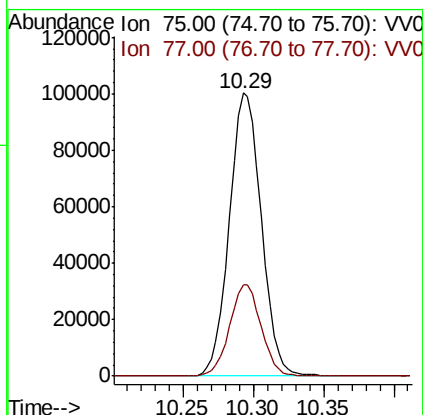
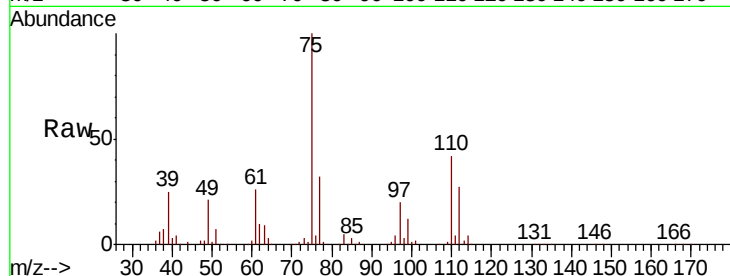
VSTD05093

Tot Ion: 75 Resp: 159237

Ion Ratio Lower Upper

75 100

77 31.9 25.4 38.0



#61

Bromoform

Concen: 50.146 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VV018553.D

Acq: 30 Sep 2020 06:05

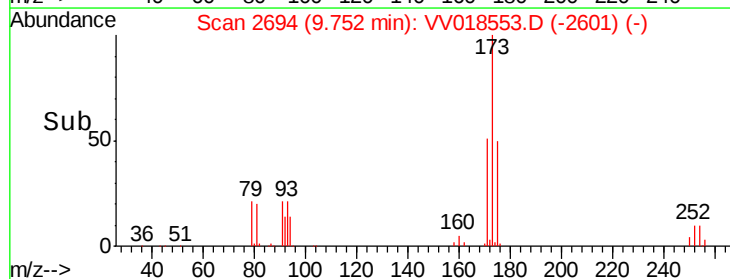
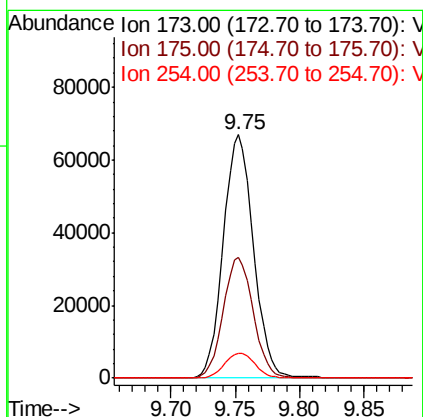
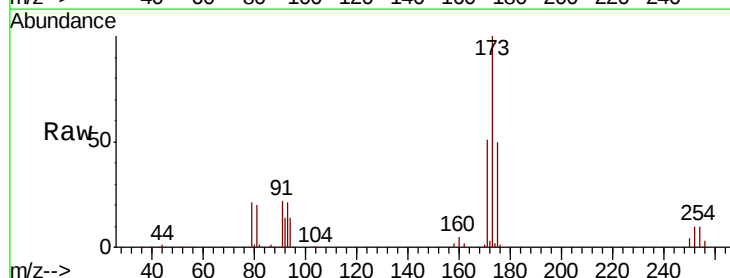
Tgt Ion: 173 Resp: 108968

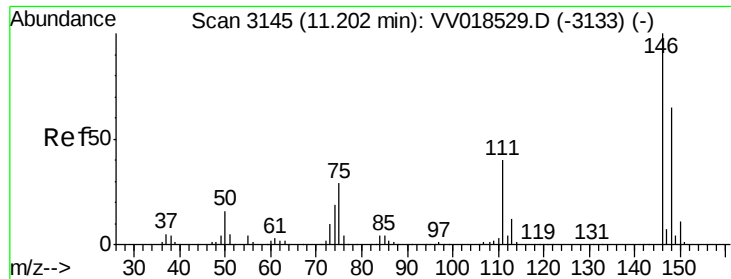
Ion Ratio Lower Upper

173 100

175 49.3 39.8 59.8

254 10.5 8.5 12.7





#62

1,3-Dichlorobenzene

Concen: 48.907 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. 0.00 min

Lab File: VV018553.D

Acq: 30 Sep 2020 06:05

Instrument :

MSVOA_V

ClientSampleId :

VSTD05093

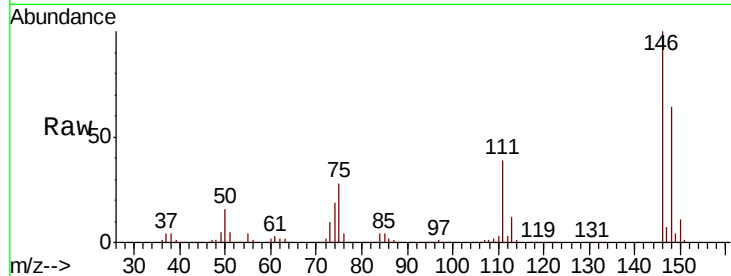
Tot Ion:146 Resp: 299422

Ion Ratio Lower Upper

146 100

111 39.1 26.8 49.8

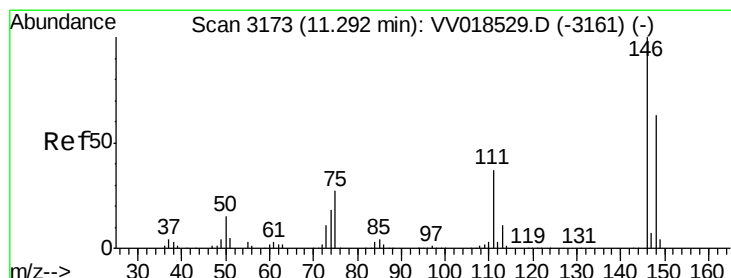
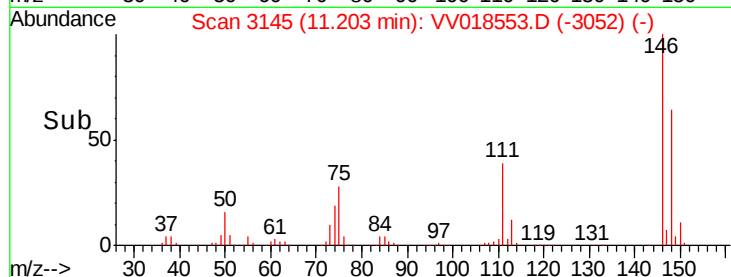
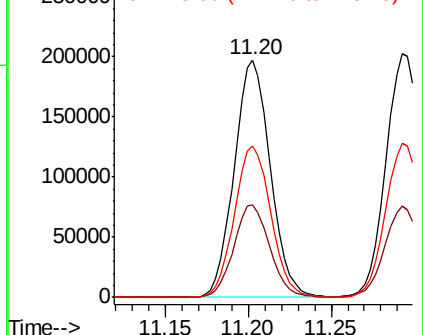
148 63.9 44.0 81.8



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: 49.205 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. 0.00 min

Lab File: VV018553.D

Acq: 30 Sep 2020 06:05

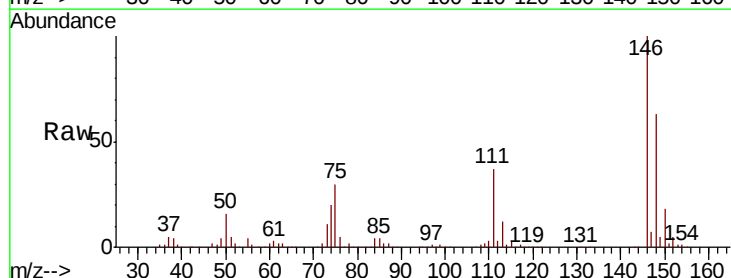
Tgt Ion:146 Resp: 310208

Ion Ratio Lower Upper

146 100

111 37.5 26.2 48.6

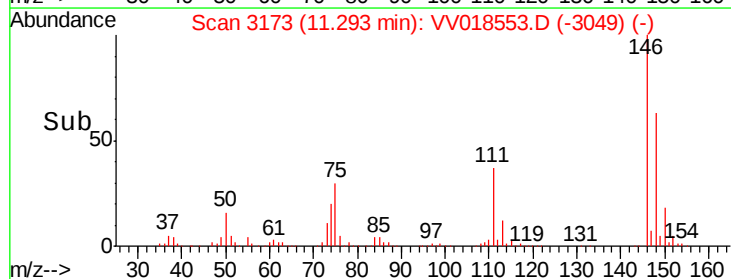
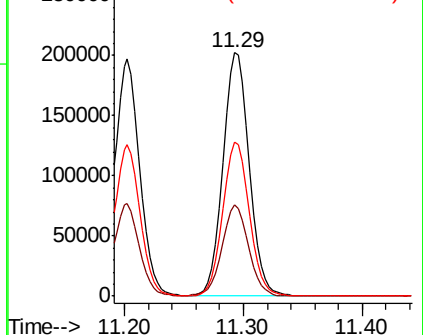
148 63.1 44.4 82.5

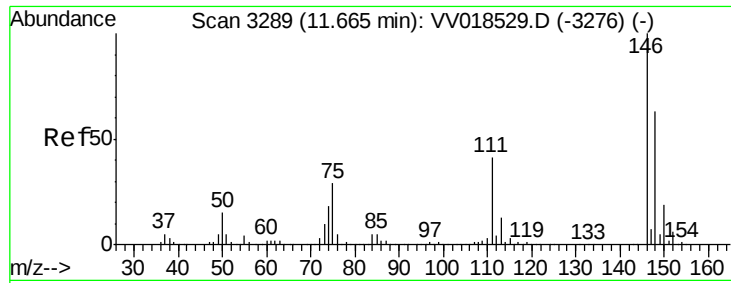


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 49.562 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. 0.00 min

Lab File: VV018553.D

Acq: 30 Sep 2020 06:05

Instrument :

MSVOA_V

ClientSampleId :

VSTD05093

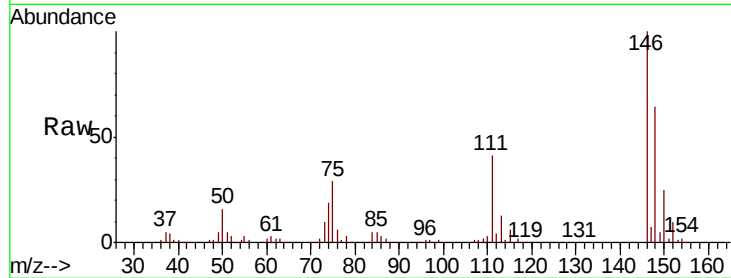
Tot Ion:146 Resp: 300182

Ion Ratio Lower Upper

146 100

111 40.9 32.8 49.2

148 63.6 51.9 77.9

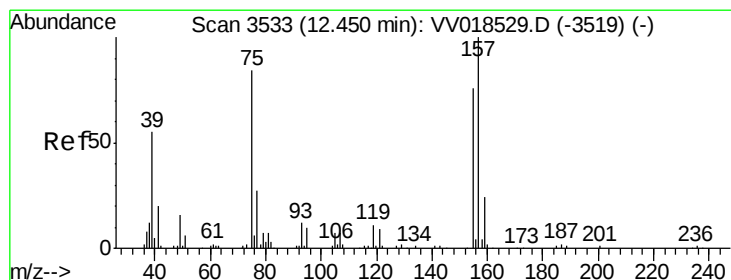
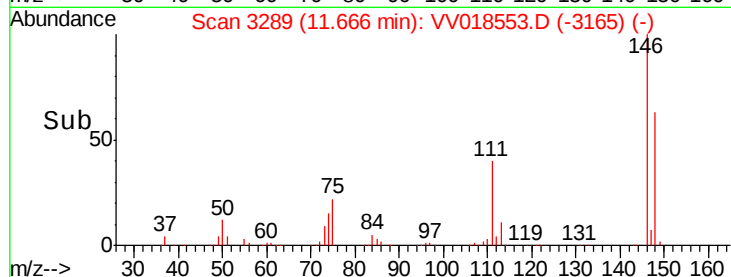
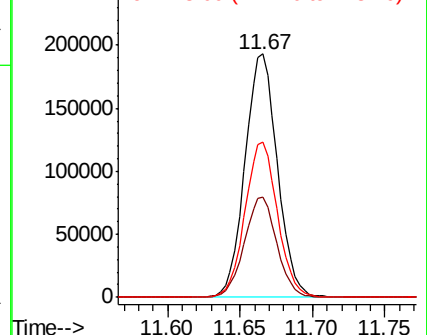


Abundance

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



#66

1,2-Dibromo-3-chloropropane

Concen: 50.788 ug/L

RT: 12.45 min Scan# 3533

Delta R.T. 0.00 min

Lab File: VV018553.D

Acq: 30 Sep 2020 06:05

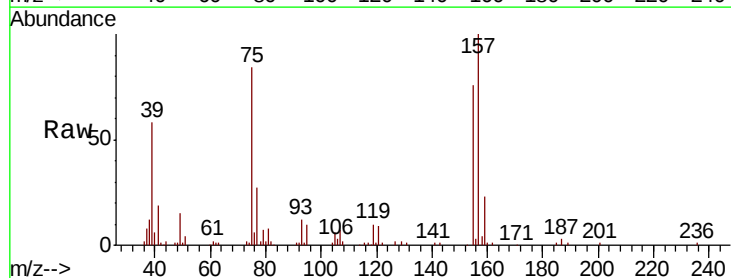
Tgt Ion: 75 Resp: 41993

Ion Ratio Lower Upper

75 100

155 90.3 73.0 109.6

157 118.7 95.8 143.6

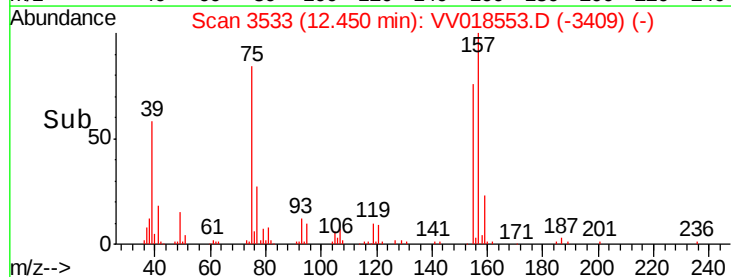
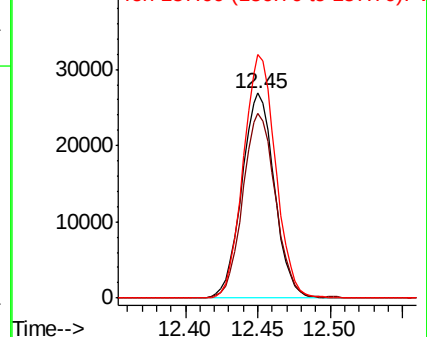


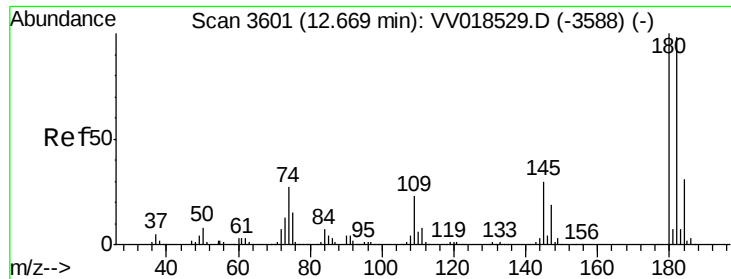
Abundance

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

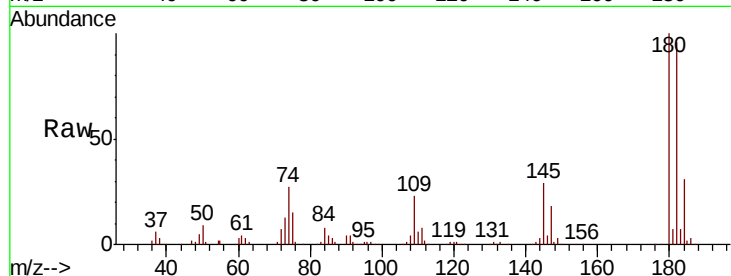




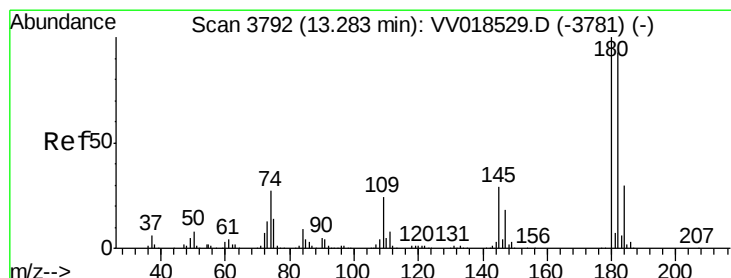
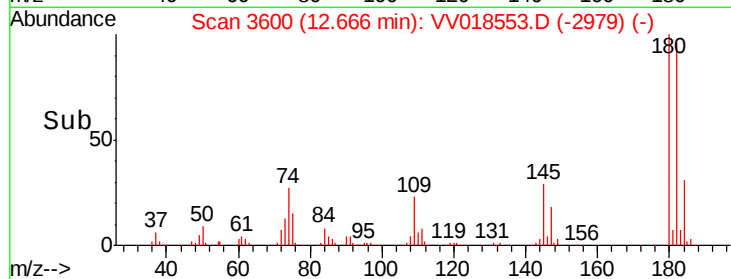
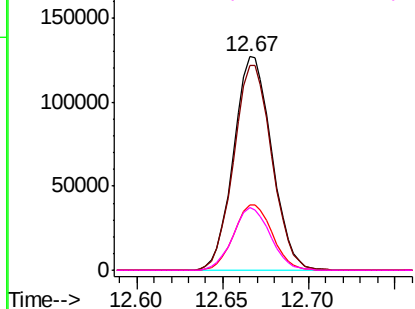
#67
 1,3,5-Trichlorobenzene
 Concen: 46.485 ug/L
 RT: 12.67 min Scan# 3600
 Delta R.T. -0.00 min
 Lab File: VV018553.D
 Acq: 30 Sep 2020 06:05

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05093

Tot Ion:180	Resp:	197137
Ion Ratio	Lower	Upper
180	100	
182	95.9	77.1 115.7
184	30.8	24.3 36.5
145	28.8	22.9 34.3

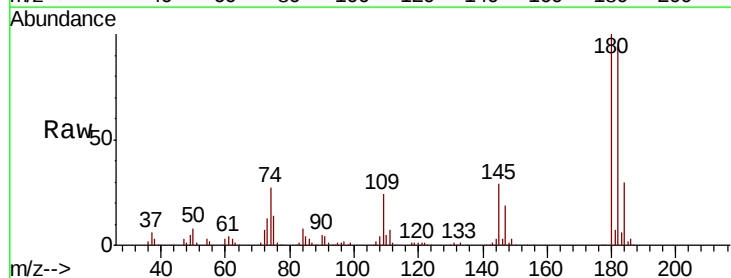


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

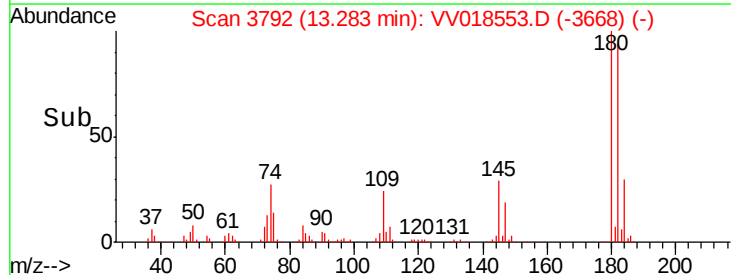
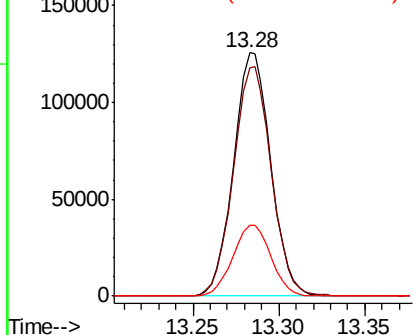


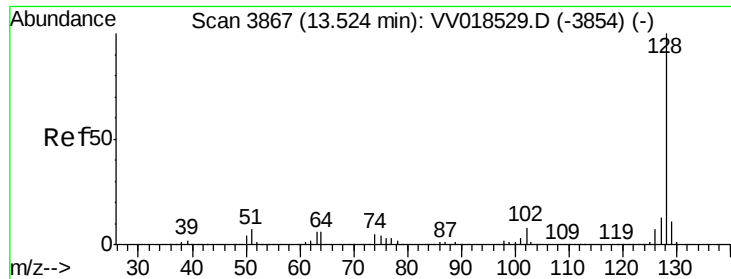
#68
 1,2,4-trichlorobenzene
 Concen: 48.016 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. 0.00 min
 Lab File: VV018553.D
 Acq: 30 Sep 2020 06:05

Tgt Ion:180	Resp:	189487
Ion Ratio	Lower	Upper
180	100	
182	95.8	76.3 114.5
145	29.9	23.6 35.4



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





#69

Naphthalene

Concen: 52.199 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. 0.00 min

Lab File: VV018553.D

Acq: 30 Sep 2020 06:05

Instrument :

MSVOA_V

ClientSampleId :

VSTD05093

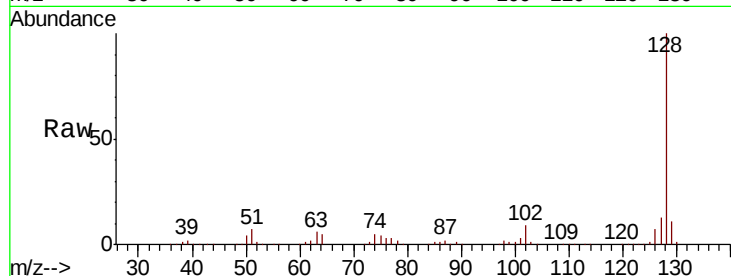
Tot Ion:128 Resp: 589661

Ion Ratio Lower Upper

128 100

127 12.7 10.3 15.5

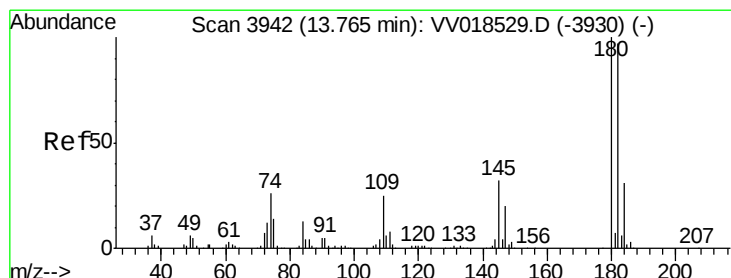
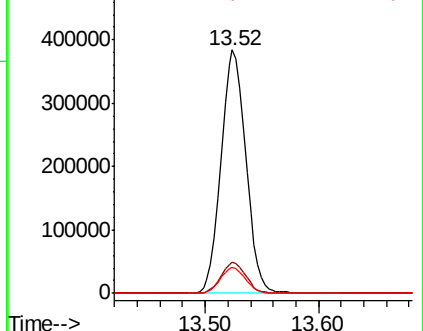
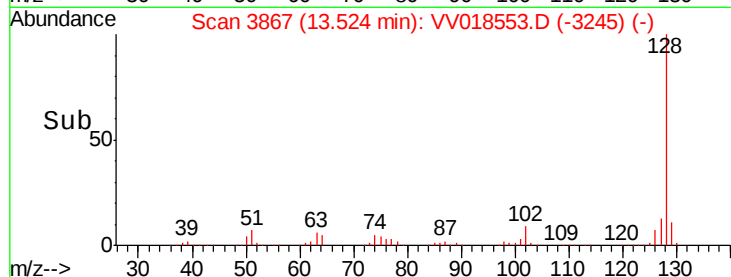
129 10.8 8.6 12.8



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: 48.965 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. 0.00 min

Lab File: VV018553.D

Acq: 30 Sep 2020 06:05

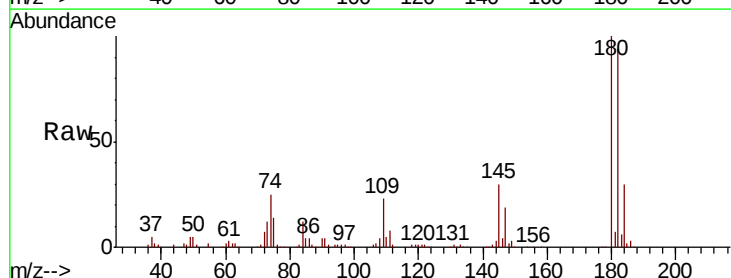
Tgt Ion:180 Resp: 193978

Ion Ratio Lower Upper

180 100

182 94.7 77.1 115.7

145 31.3 25.1 37.7



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

