

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV073020\
 Data File : VV017765.D
 Acq On : 30 Jul 2020 22:58
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05088

Quant Time: Jul 31 02:40:36 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM073020WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jul 31 02:37:22 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	325661	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	308126	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	170064	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	77914	49.06	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	98.12%
7) Chloroethane-d5	1.58	69	68462	50.49	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	100.98%
11) 1,1-Dichloroethene-d2	2.12	63	190875	50.02	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	100.04%
21) 2-Butanone-d5	3.91	46	128027	107.21	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	107.21%
24) Chloroform-d	4.38	84	217136	50.03	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.06%
26) 1,2-Dichloroethane-d4	5.05	65	160151	50.52	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.04%
32) Benzene-d6	5.07	84	375064	51.45	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.90%
36) 1,2-Dichloropropane-d6	6.09	67	103769	51.54	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	103.08%
41) Toluene-d8	7.34	98	371415	51.96	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.92%
43) trans-1,3-Dichloropropene-	7.64	79	65790	49.44	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.88%
47) 2-Hexanone-d5	8.11	63	94123	108.77	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	108.77%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	147046	48.37	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.74%
64) 1,2-Dichlorobenzene-d4	11.65	152	170877	51.19	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.38%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	161234	49.318	ug/L	100
3) Chloromethane	1.25	50	106575	48.853	ug/L	98
5) Vinyl chloride	1.32	62	114506	49.564	ug/L	99
6) Bromomethane	1.53	94	70816	51.535	ug/L	98
8) Chloroethane	1.60	64	67343	48.154	ug/L	100
9) Trichlorofluoromethane	1.76	101	225094	49.606	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	102644	48.891	ug/L	98
12) 1,1-Dichloroethene	2.13	96	95060	48.500	ug/L	93
13) Acetone	2.20	43	100509	66.275	ug/L	96
14) Carbon disulfide	2.31	76	288344	47.742	ug/L	98
15) Methyl Acetate	2.45	43	93781	47.549	ug/L	100
16) Methylene chloride	2.52	84	110283	47.718	ug/L	98
17) trans-1,2-Dichloroethene	2.78	96	107700	48.732	ug/L	99
18) Methyl tert-butyl Ether	2.78	73	372192	51.236	ug/L	99
19) 1,1-Dichloroethane	3.21	63	189446	49.123	ug/L	98
20) cis-1,2-Dichloroethene	3.94	96	117353	49.713	ug/L	100
23) Bromochloromethane	4.27	128	67003	50.240	ug/L	97

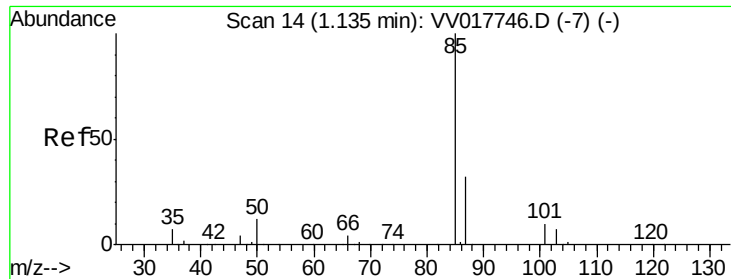
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV073020\
 Data File : VV017765.D
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 Quant Title : VOC Analysis
 QLast Update : Fri Jul 31 02:37:22 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Chloroform	4.40	83	223915	50.099	ug/L	100
27) 1,2-Dichloroethane	5.15	62	201372	50.777	ug/L	100
29) Cyclohexane	4.70	56	159346	51.050	ug/L	98
30) 1,1,1-Trichloroethane	4.63	97	227004	51.101	ug/L	98
31) Carbon tetrachloride	4.85	117	205276	50.698	ug/L	99
33) Benzene	5.12	78	425318	50.892	ug/L	100
34) Trichloroethene	5.94	95	120132	50.577	ug/L	98
35) Methylcyclohexane	6.15	83	179093	51.399	ug/L	99
37) 1,2-Dichloropropane	6.20	63	98770	51.563	ug/L	100
38) Bromodichloromethane	6.53	83	167605	49.197	ug/L	99
39) cis-1,3-Dichloropropene	7.05	75	178851	50.847	ug/L	97
40) 4-Methyl-2-pentanone	7.24	43	261679	100.234	ug/L	99
42) Toluene	7.41	91	473119	50.962	ug/L	100
44) trans-1,3-Dichloropropene	7.67	75	185822	51.476	ug/L	99
45) 1,1,2-Trichloroethane	7.86	97	109451	50.170	ug/L	99
46) Tetrachloroethene	8.00	164	105038	49.914	ug/L	96
48) 2-Hexanone	8.16	43	207840	97.851	ug/L	99
49) Dibromochloromethane	8.27	129	140419	49.209	ug/L	96
50) 1,2-Dibromoethane	8.37	107	119438	50.279	ug/L	99
51) Chlorobenzene	8.90	112	317888	49.908	ug/L	97
52) Ethylbenzene	9.03	91	546266	51.358	ug/L	99
53) m,p-Xylene	9.16	106	207733	50.946	ug/L	99
54) o-xylene	9.56	106	202930	51.430	ug/L	99
55) Styrene	9.58	104	351286	51.183	ug/L	100
56) Isopropylbenzene	9.95	105	564650	52.283	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.26	83	154384	48.620	ug/L	99
59) 1,2,3-Trichloropropane	10.29	75	137804	49.435	ug/L	98
61) Bromoform	9.75	173	105268	50.108	ug/L	97
62) 1,3-Dichlorobenzene	11.20	146	272871	50.209	ug/L	100
63) 1,4-Dichlorobenzene	11.29	146	272539	49.355	ug/L	97
65) 1,2-Dichlorobenzene	11.67	146	275388	50.402	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.45	75	43875	51.385	ug/L	93
67) 1,3,5-Trichlorobenzene	12.67	180	214936	50.576	ug/L	99
68) 1,2,4-trichlorobenzene	13.28	180	191872	52.021	ug/L	100
69) Naphthalene	13.52	128	525167	53.974	ug/L	99
70) 1,2,3-Trichlorobenzene	13.77	180	194515	53.175	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 49.318 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

Lab File: VV017765.D

Acq: 30 Jul 2020 22:58

Instrument :

MSVOA_V

ClientSampleId :

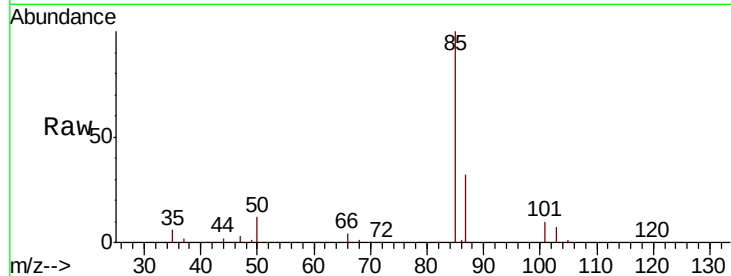
VSTD05088

Tot Ion: 85 Resp: 161234

Ion Ratio Lower Upper

85 100

87 32.3 25.7 38.5



Abundance Ion 85.00 (84.70 to 85.70): VV017746.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VV017746.D (-7) (-)

1.14

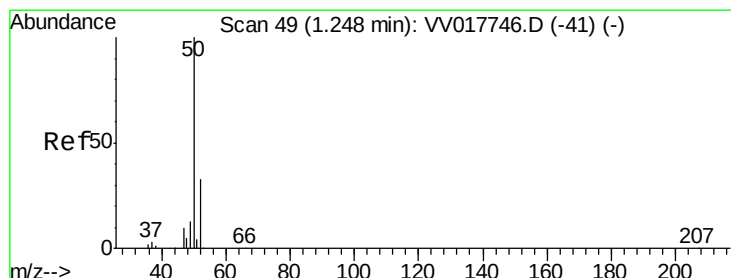
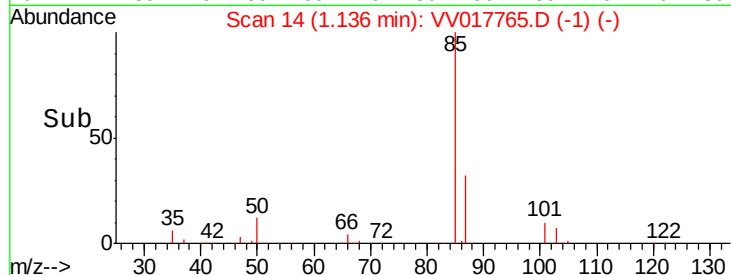
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 48.853 ug/L

RT: 1.25 min Scan# 49

Delta R.T. 0.00 min

Lab File: VV017765.D

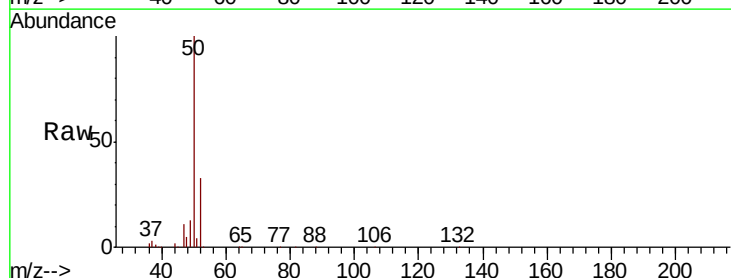
Acq: 30 Jul 2020 22:58

Tgt Ion: 50 Resp: 106575

Ion Ratio Lower Upper

50 100

52 32.8 23.6 43.8



Abundance Ion 50.00 (49.70 to 50.70): VV017746.D (-41) (-)

Ion 52.00 (51.70 to 52.70): VV017746.D (-41) (-)

1.25

120000

100000

80000

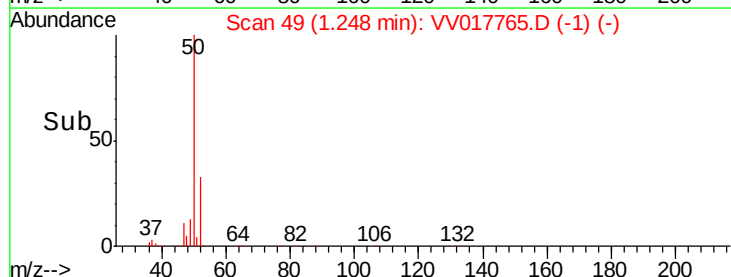
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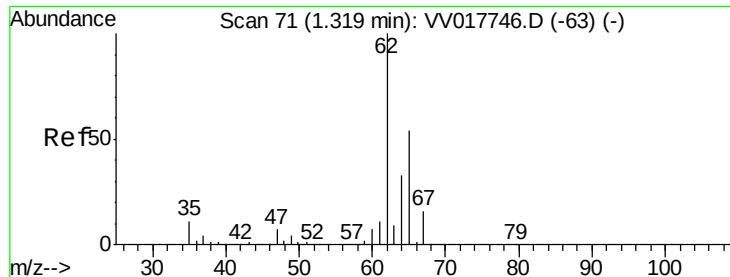
40000

20000

0

Time-->





#5

Vinyl chloride

Concen: 49.564 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV017765.D

Acq: 30 Jul 2020 22:58

Instrument :

MSVOA_V

ClientSampleId :

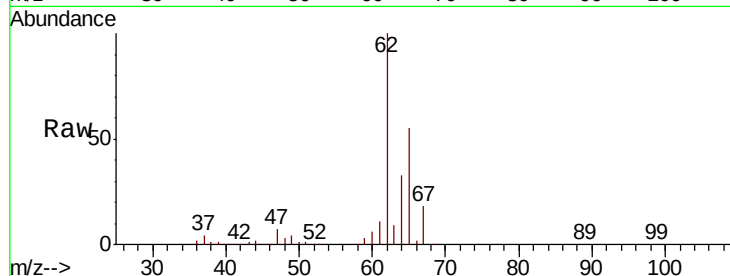
VSTD05088

Tot Ion: 62 Resp: 114506

Ion Ratio Lower Upper

62 100

64 33.2 22.9 42.5



Abundance Ion 62.00 (61.70 to 62.70): VV017746.D (-63) (-)

Ion 64.00 (63.70 to 64.70): VV017746.D (-63) (-)

1.32

120000

100000

80000

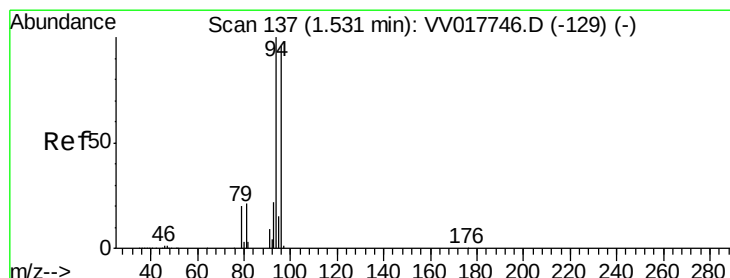
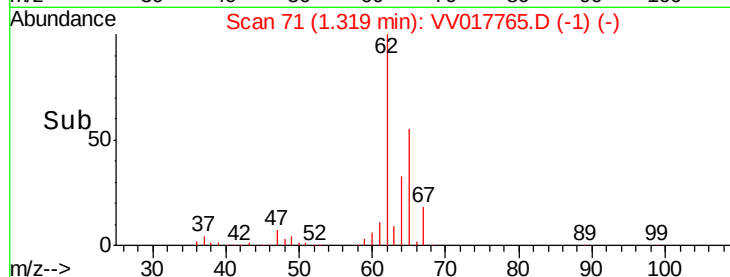
60000

40000

20000

0

Time--> 1.25 1.30 1.35 1.40



#6

Bromomethane

Concen: 51.535 ug/L

RT: 1.53 min Scan# 137

Delta R.T. 0.00 min

Lab File: VV017765.D

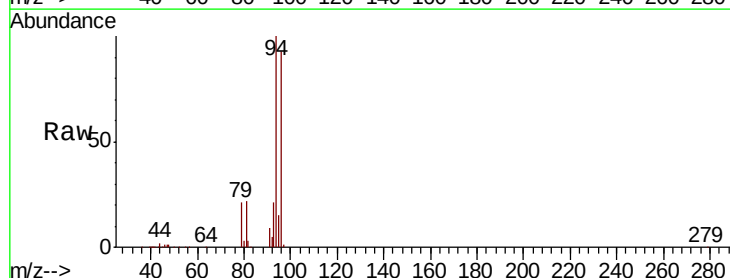
Acq: 30 Jul 2020 22:58

Tgt Ion: 94 Resp: 70816

Ion Ratio Lower Upper

94 100

96 93.4 66.9 124.3



Abundance Ion 94.00 (93.70 to 94.70): VV017746.D (-129) (-)

Ion 96.00 (95.70 to 96.70): VV017746.D (-129) (-)

1.53

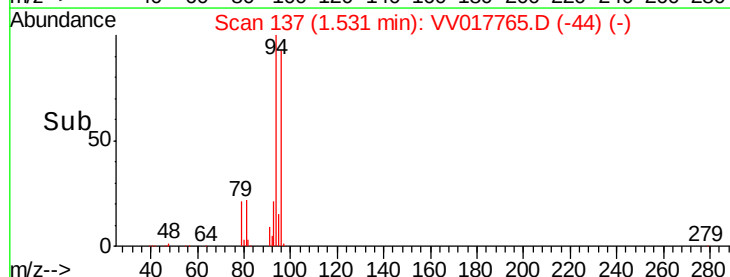
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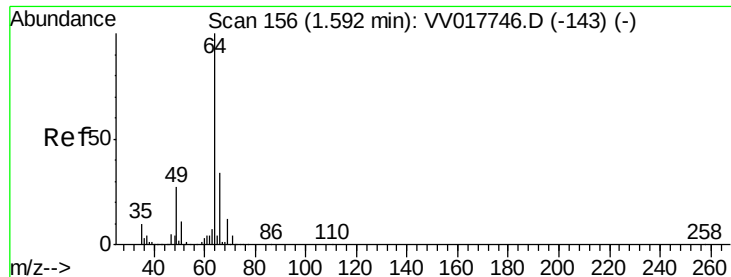
40000

20000

0

Time--> 1.50 1.55 1.60

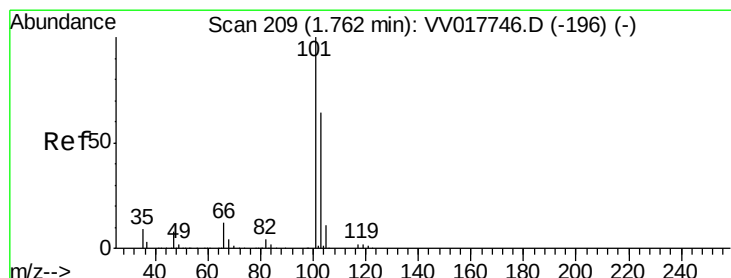
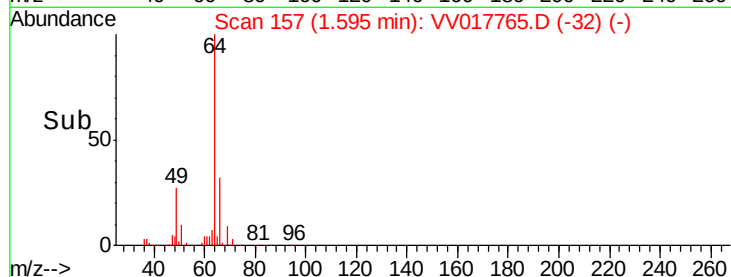
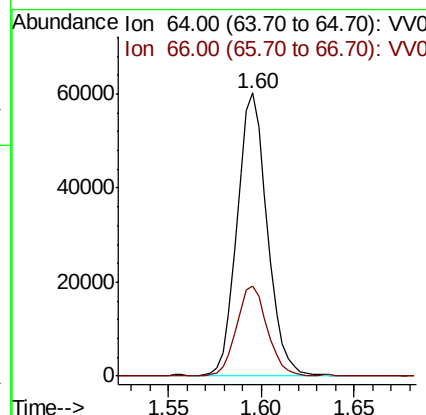
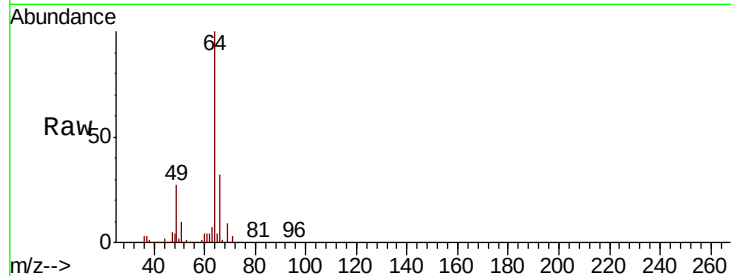




#8
Chloroethane
Concen: 48.154 ug/L
RT: 1.60 min Scan# 157
Delta R.T. 0.00 min
Lab File: VV017765.D
Acq: 30 Jul 2020 22:58

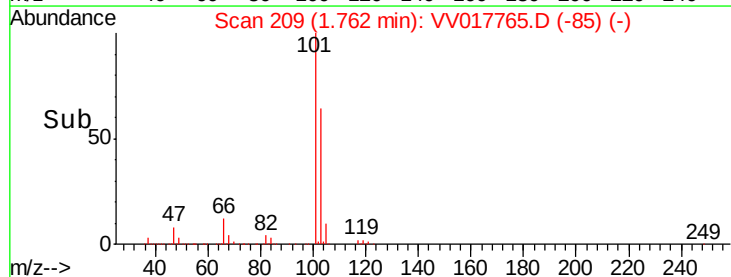
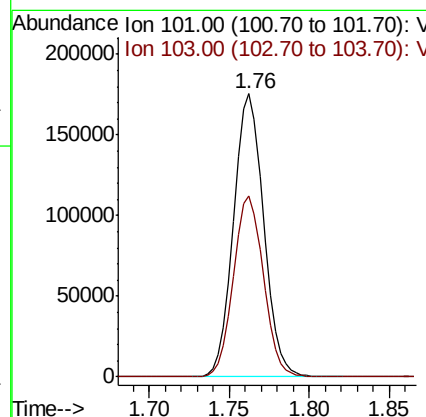
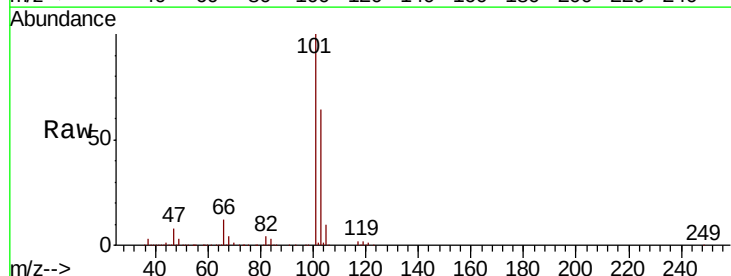
Instrument :
MSVOA_V
ClientSampleId :
VSTD05088

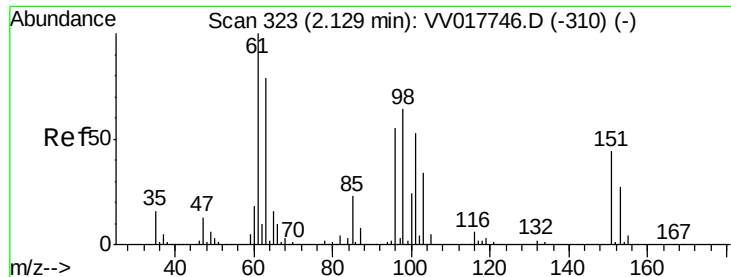
Tot Ion: 64 Resp: 67343
Ion Ratio Lower Upper
64 100
66 32.0 22.3 41.3



#9
Trichlorofluoromethane
Concen: 49.606 ug/L
RT: 1.76 min Scan# 209
Delta R.T. 0.00 min
Lab File: VV017765.D
Acq: 30 Jul 2020 22:58

Tgt Ion: 101 Resp: 225094
Ion Ratio Lower Upper
101 100
103 63.7 51.6 77.4





#10

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

Concen: 48.891 ug/L

RT: 2.13 min Scan# 323

Delta R.T. 0.00 min

Lab File: VV017765.D

Acq: 30 Jul 2020 22:58

Instrument :

MSVOA_V

ClientSampleId :

VSTD05088

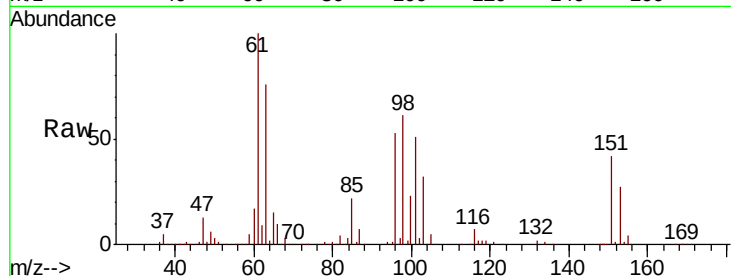
Tot Ion:101 Resp: 102644

Ion Ratio Lower Upper

101 100

85 45.0 37.2 55.8

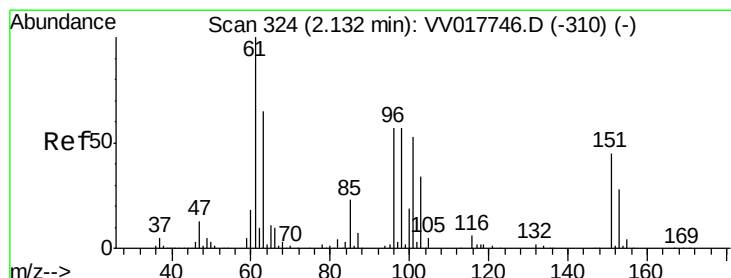
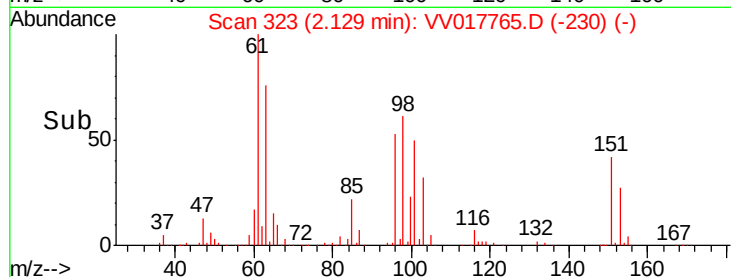
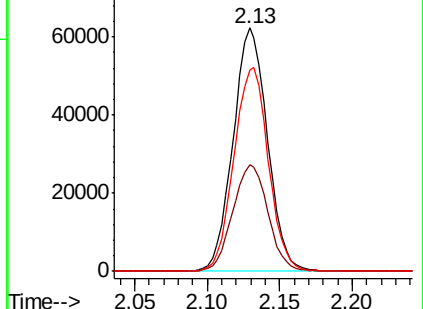
151 83.7 68.2 102.2



Abundance Ion 101.00 (100.70 to 101.70): VV017746.D (-310) (-)

Ion 85.00 (84.70 to 85.70): VV017746.D (-310) (-)

Ion 151.00 (150.70 to 151.70): VV017746.D (-310) (-)



#12

1,1-Dichloroethene

Concen: 48.500 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV017765.D

Acq: 30 Jul 2020 22:58

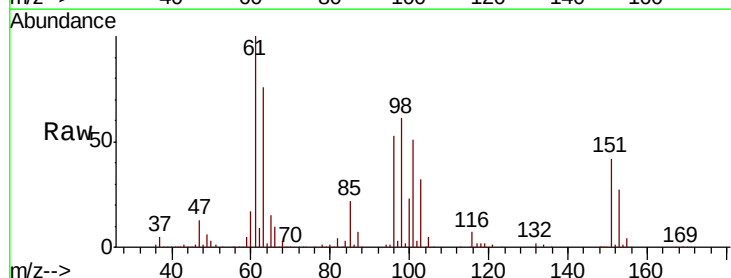
Tgt Ion: 96 Resp: 95060

Ion Ratio Lower Upper

96 100

61 188.4 131.0 243.2

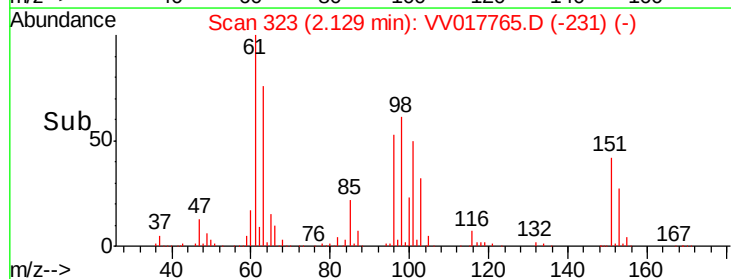
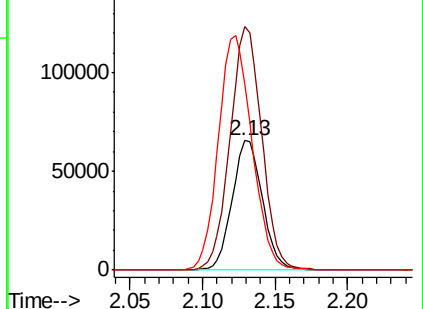
63 143.7 88.5 164.3

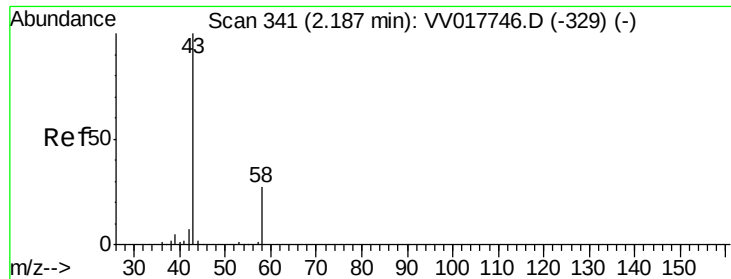


Abundance Ion 96.00 (95.70 to 96.70): VV017746.D (-310) (-)

Ion 61.00 (60.70 to 61.70): VV017746.D (-310) (-)

Ion 63.00 (62.70 to 63.70): VV017746.D (-310) (-)





#13

Acetone

Concen: 66.275 ug/L

RT: 2.20 min Scan# 344

Delta R.T. 0.01 min

Lab File: VV017765.D

Acq: 30 Jul 2020 22:58

Instrument :

MSVOA_V

ClientSampleId :

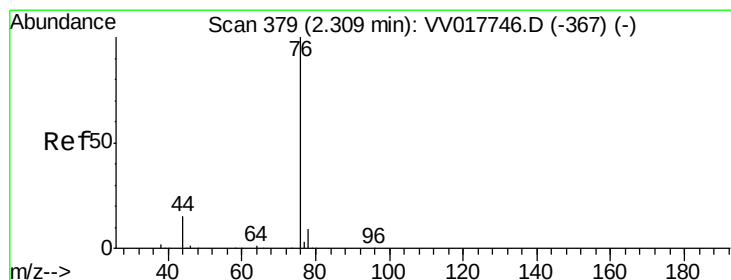
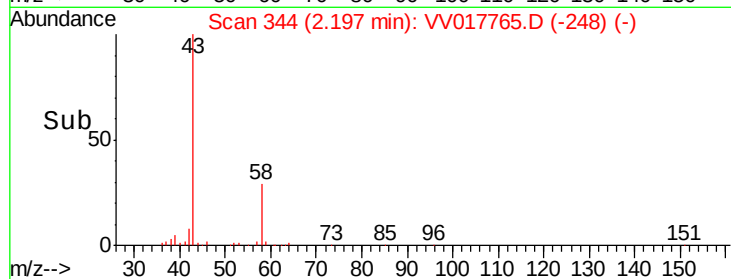
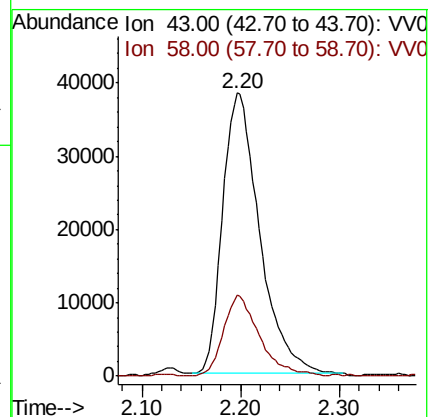
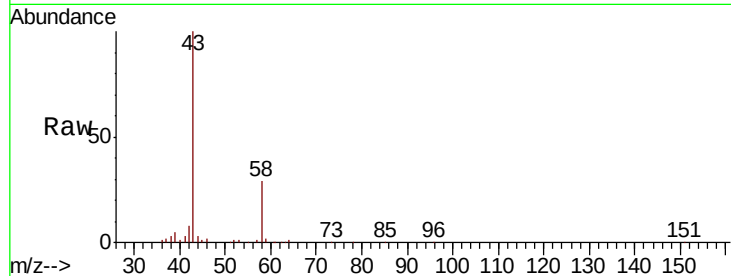
VSTD05088

Tot Ion: 43 Resp: 100509

Ion Ratio Lower Upper

43 100

58 28.1 0.0 52.6



#14

Carbon disulfide

Concen: 47.742 ug/L

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VV017765.D

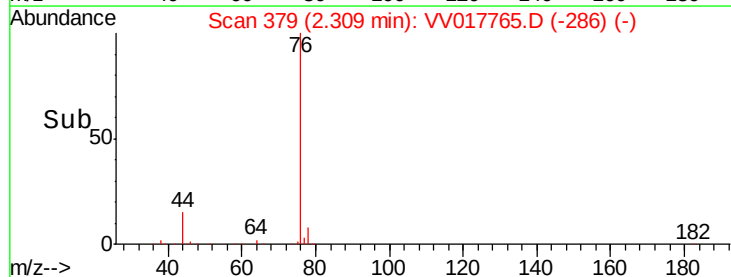
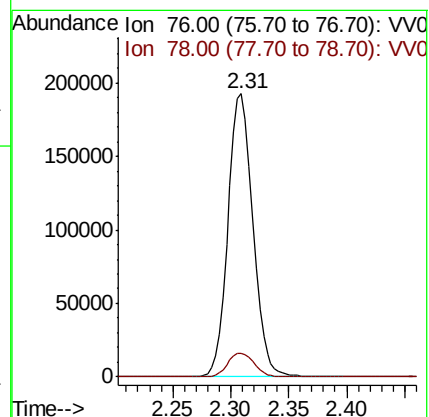
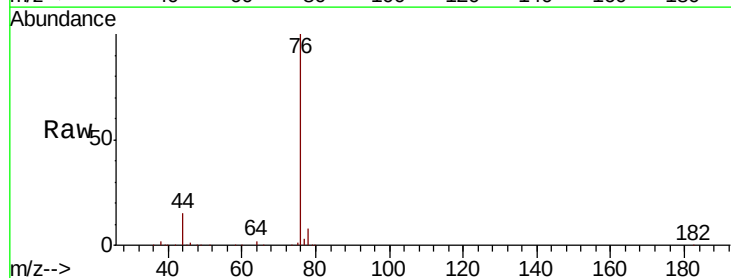
Acq: 30 Jul 2020 22:58

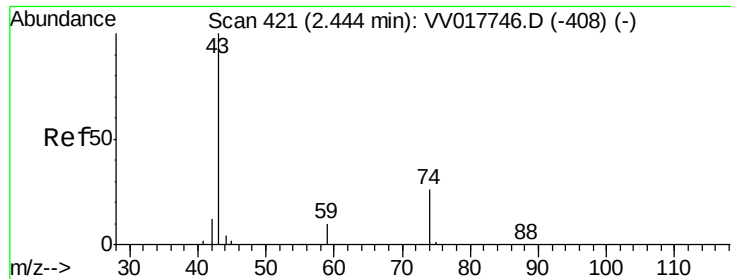
Tgt Ion: 76 Resp: 288344

Ion Ratio Lower Upper

76 100

78 8.4 7.3 10.9

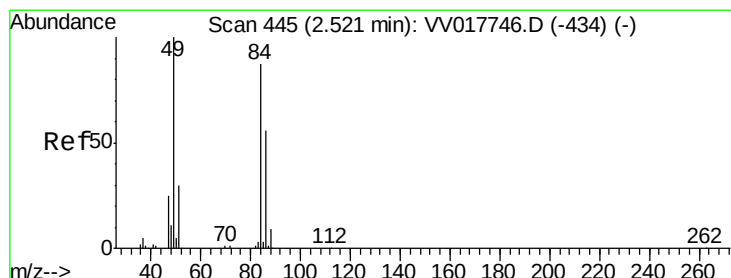
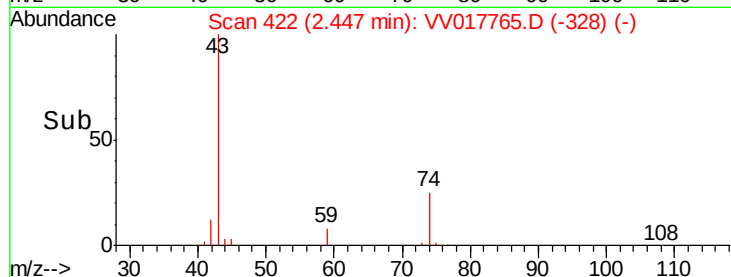
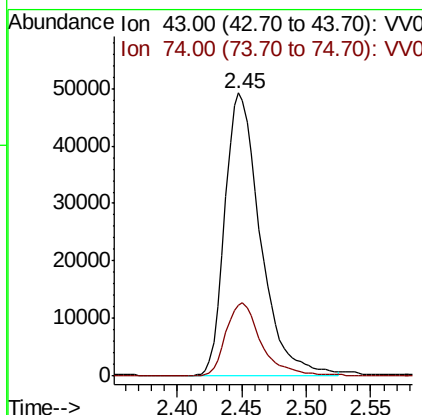
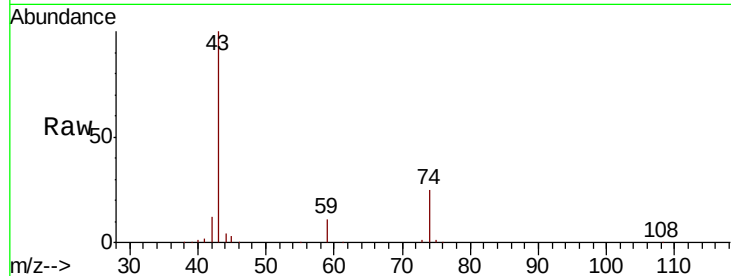




#15
Methvl Acetate
Concen: 47.549 ug/L
RT: 2.45 min Scan# 422
Delta R.T. 0.00 min
Lab File: VV017765.D
Acq: 30 Jul 2020 22:58

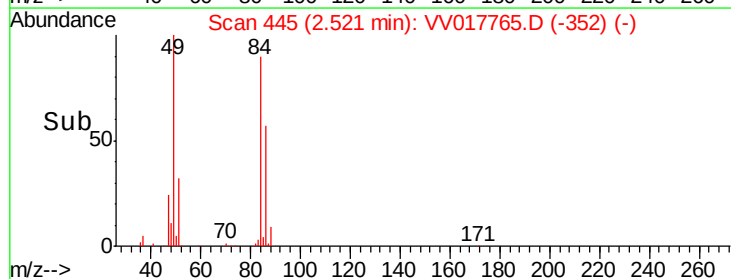
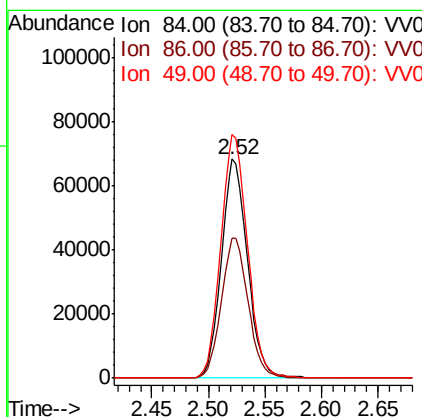
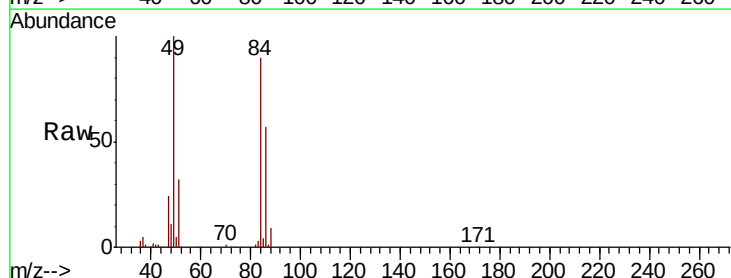
Instrument :
MSVOA_V
ClientSampleId :
VSTD05088

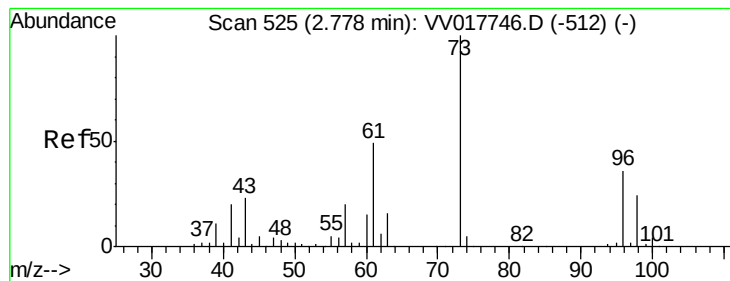
Tot Ion: 43 Resp: 93781
Ion Ratio Lower Upper
43 100
74 25.8 20.6 31.0



#16
Methylene chloride
Concen: 47.718 ug/L
RT: 2.52 min Scan# 445
Delta R.T. 0.00 min
Lab File: VV017765.D
Acq: 30 Jul 2020 22:58

Tgt Ion: 84 Resp: 110283
Ion Ratio Lower Upper
84 100
86 63.9 45.4 84.4
49 111.2 79.2 147.2





#17

trans-1,2-Dichloroethene

Concen: 48.732 ug/L

RT: 2.78 min Scan# 525

Delta R.T. 0.00 min

Lab File: VV017765.D

Acq: 30 Jul 2020 22:58

Instrument :

MSVOA_V

ClientSampled :

VSTD05088

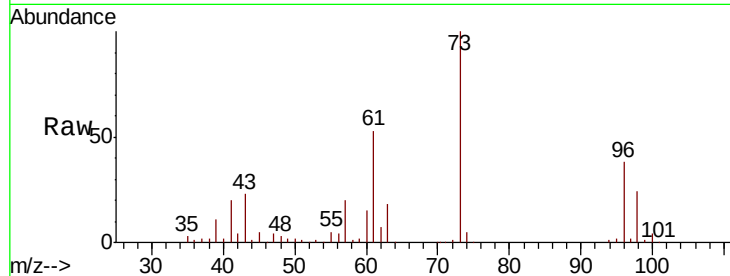
Tot Ion: 96 Resp: 107700

Ion Ratio Lower Upper

96 100

61 138.3 96.2 178.8

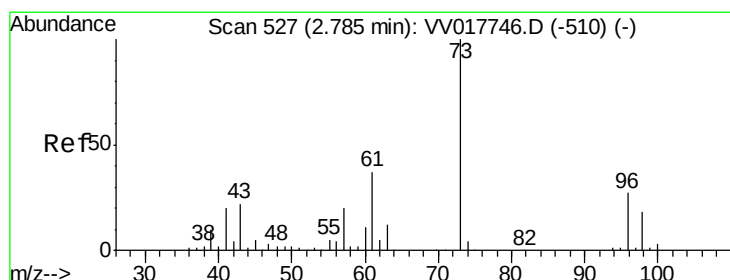
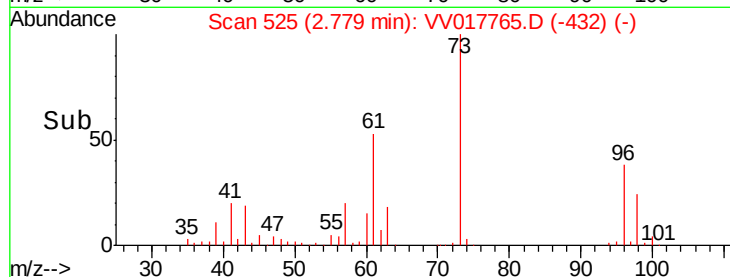
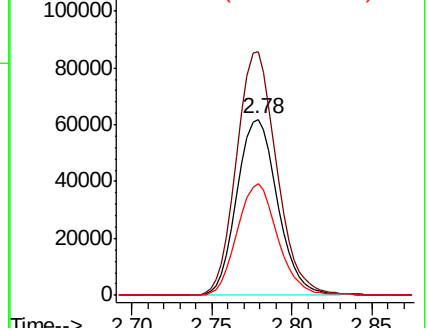
98 63.4 43.2 80.2



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: 51.236 ug/L

RT: 2.78 min Scan# 527

Delta R.T. 0.00 min

Lab File: VV017765.D

Acq: 30 Jul 2020 22:58

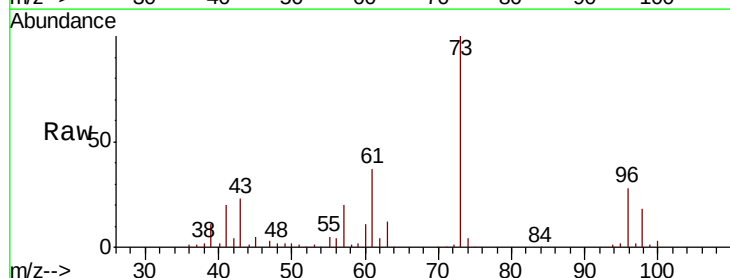
Tgt Ion: 73 Resp: 372192

Ion Ratio Lower Upper

73 100

43 23.0 18.1 27.1

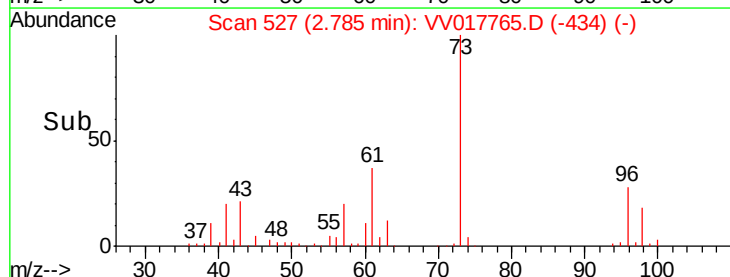
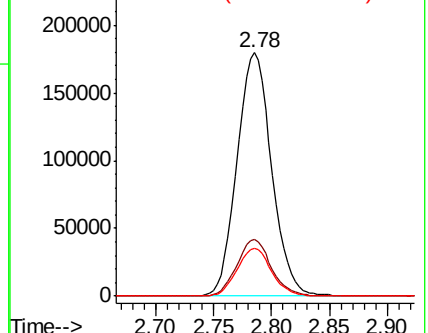
57 19.5 16.0 24.0

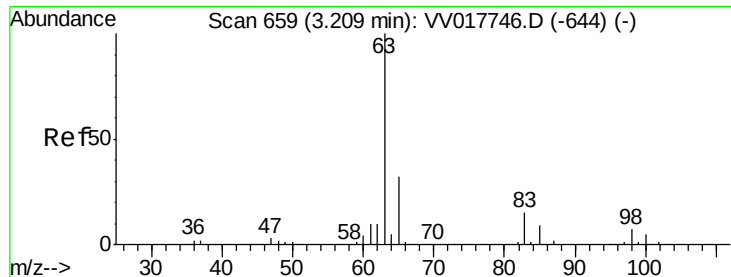


Abundance Ion 73.00 (72.70 to 73.70): VV0

Ion 43.00 (42.70 to 43.70): VV0

Ion 57.00 (56.70 to 57.70): VV0

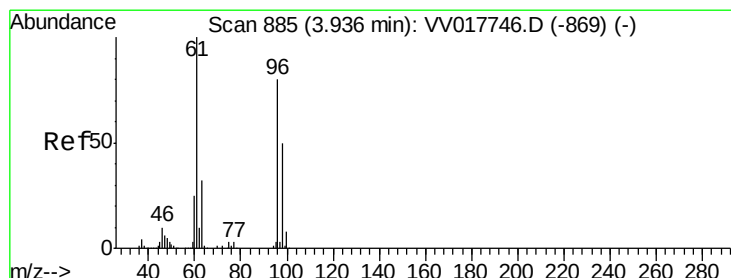
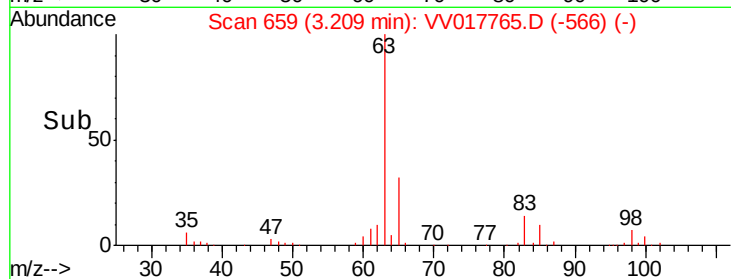
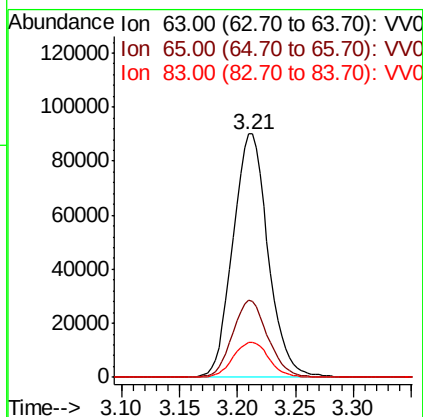
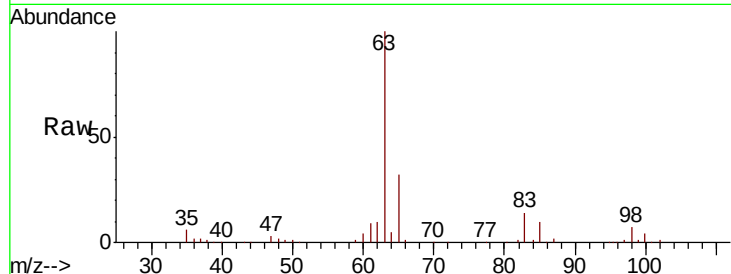




#19
 1,1-Dichloroethane
 Concen: 49.123 ug/L
 RT: 3.21 min Scan# 659
 Delta R.T. 0.00 min
 Lab File: VV017765.D
 Acq: 30 Jul 2020 22:58

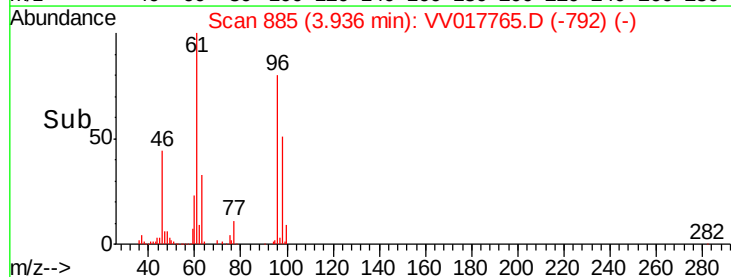
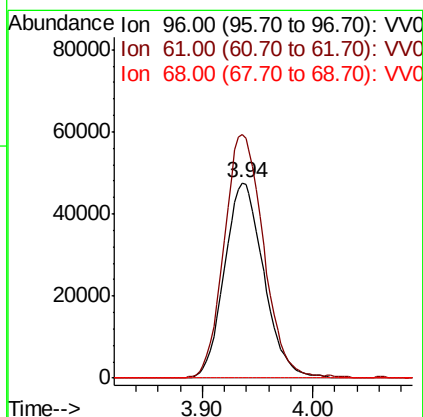
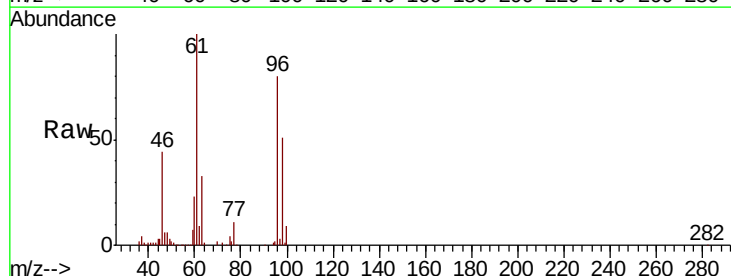
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05088

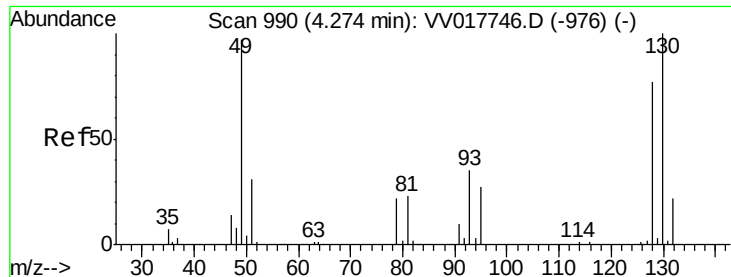
Tot Ion	Ratio	Lower	Upper
63	100		
65	31.6	22.8	42.4
83	14.3	11.0	20.4



#20
 cis-1,2-Dichloroethene
 Concen: 49.713 ug/L
 RT: 3.94 min Scan# 885
 Delta R.T. 0.00 min
 Lab File: VV017765.D
 Acq: 30 Jul 2020 22:58

Tgt Ion	Ratio	Lower	Upper
96	100		
61	124.5	87.3	162.1
68	0.0	0.0	0.0





#23

Bromochloromethane

Concen: 50.240 ug/L

RT: 4.27 min Scan# 990

Delta R.T. 0.00 min

Lab File: VV017765.D

Acq: 30 Jul 2020 22:58

Instrument :

MSVOA_V

ClientSampleId :

VSTD05088

Tot Ion:128 Resp: 67003

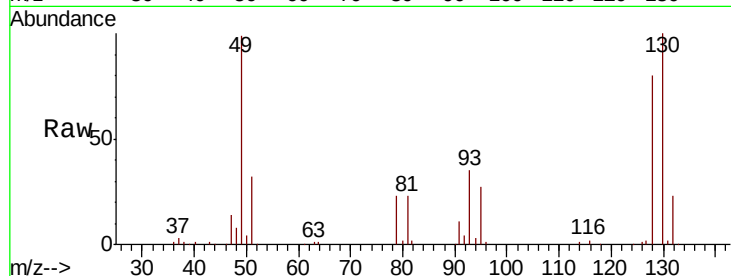
Ion Ratio Lower Upper

128 100

49 124.1 90.4 168.0

130 125.7 90.5 168.1

51 39.9 32.7 49.1

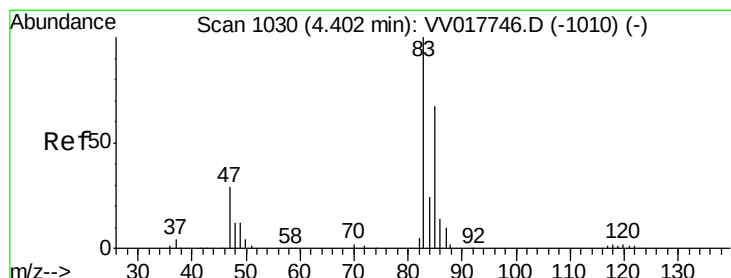
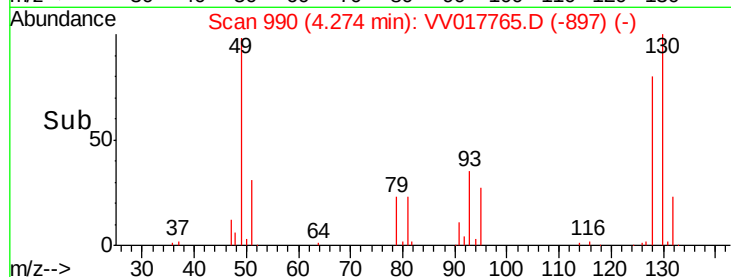
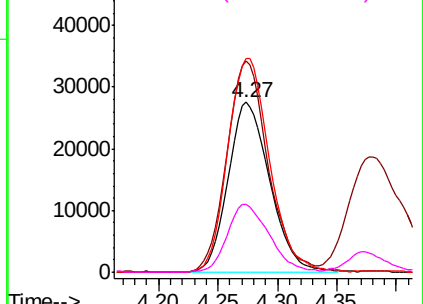


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VV0

Ion 130.00 (129.70 to 130.70): V

Ion 51.00 (50.70 to 51.70): VV0



#25

Chloroform

Concen: 50.099 ug/L

RT: 4.40 min Scan# 1029

Delta R.T. -0.00 min

Lab File: VV017765.D

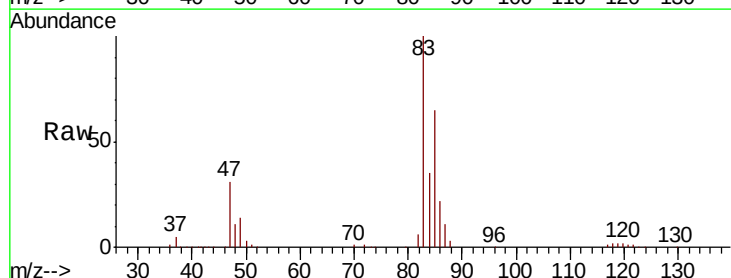
Acq: 30 Jul 2020 22:58

Tgt Ion: 83 Resp: 223915

Ion Ratio Lower Upper

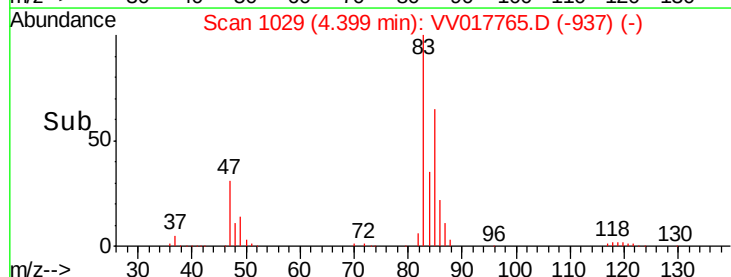
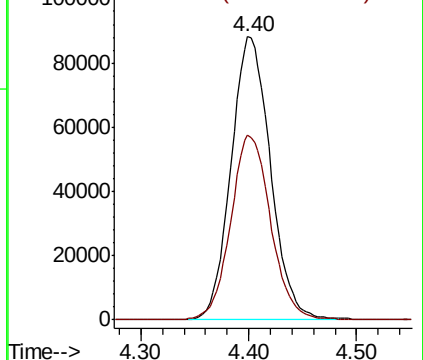
83 100

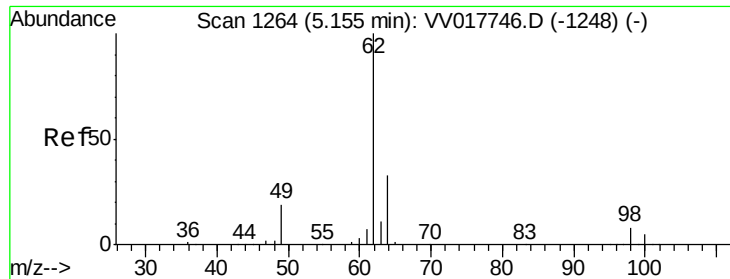
85 65.1 45.7 84.9



Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0





#27

1,2-Dichloroethane

Concen: 50.777 ug/L

RT: 5.15 min Scan# 1264

Delta R.T. 0.00 min

Lab File: VV017765.D

Acq: 30 Jul 2020 22:58

Instrument :

MSVOA_V

ClientSampleId :

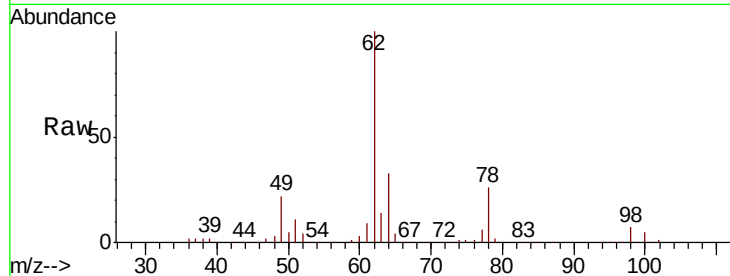
VSTD05088

Tot Ion: 62 Resp: 201372

Ion Ratio Lower Upper

62 100

98 7.4 6.0 9.0



Abundance Ion 62.00 (61.70 to 62.70): VV017746.D (-1248) (-)

Ion 98.00 (97.70 to 98.70): VV017746.D (-1248) (-)

5.15

100000

80000

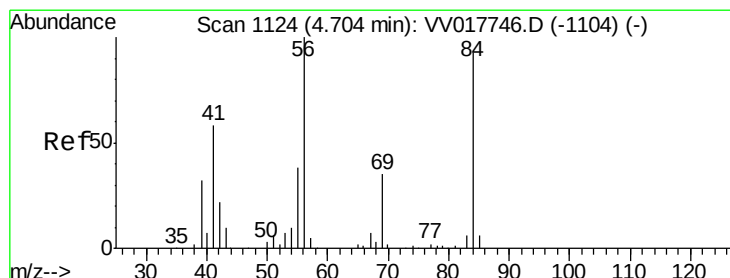
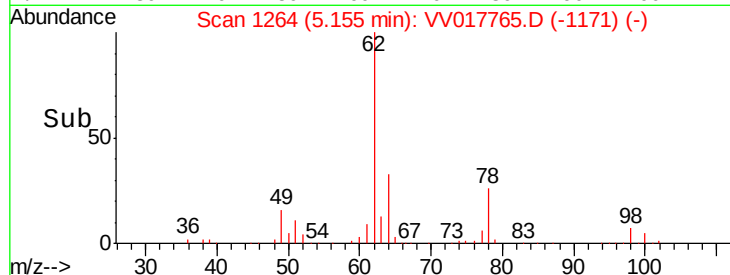
60000

40000

20000

0

Time-->



#29

Cyclohexane

Concen: 51.050 ug/L

RT: 4.70 min Scan# 1123

Delta R.T. -0.00 min

Lab File: VV017765.D

Acq: 30 Jul 2020 22:58

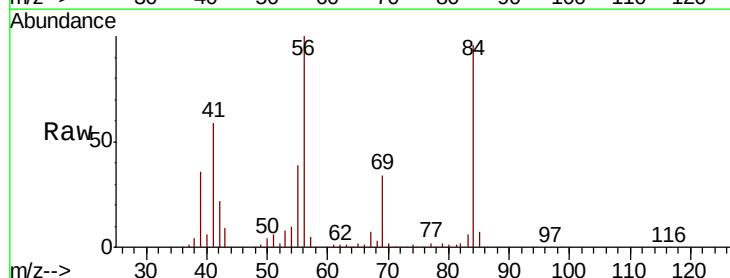
Tgt Ion: 56 Resp: 159346

Ion Ratio Lower Upper

56 100

69 33.6 26.1 39.1

84 97.6 76.6 114.8



Abundance Ion 56.00 (55.70 to 56.70): VV017746.D (-1104) (-)

Ion 69.00 (68.70 to 69.70): VV017746.D (-1104) (-)

Ion 84.00 (83.70 to 84.70): VV017746.D (-1104) (-)

4.70

80000

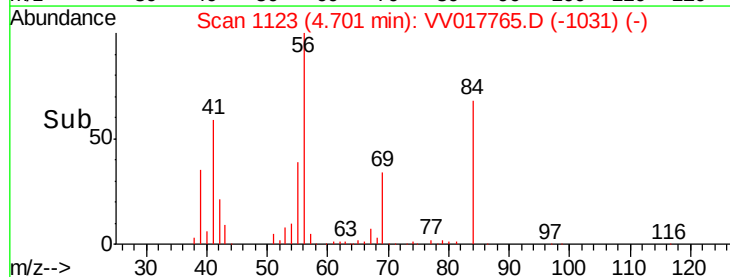
60000

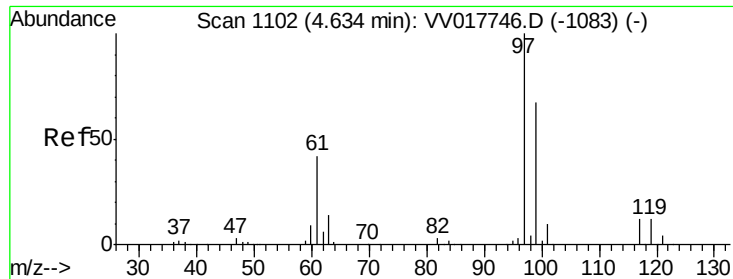
40000

20000

0

Time-->

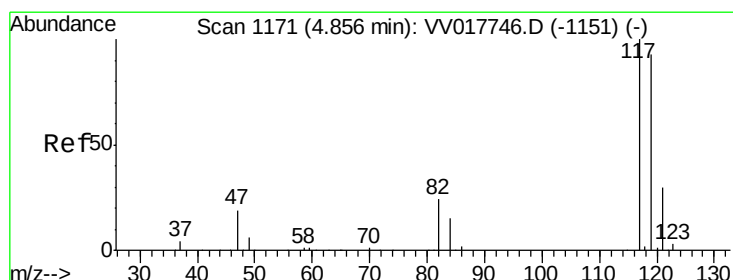
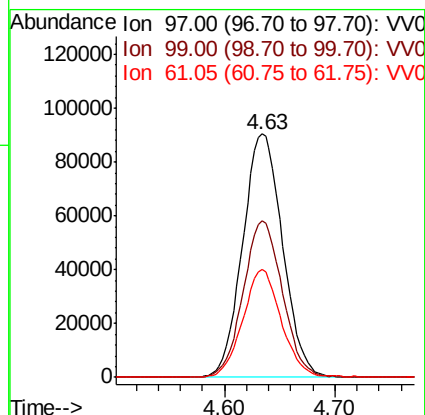
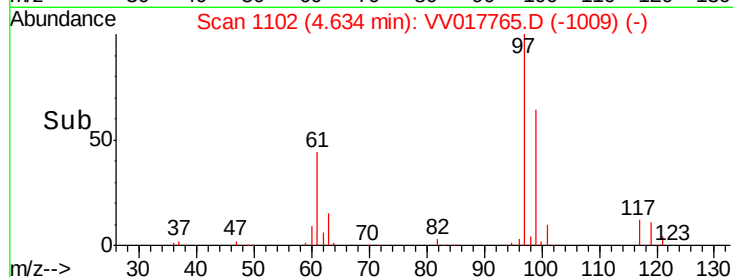
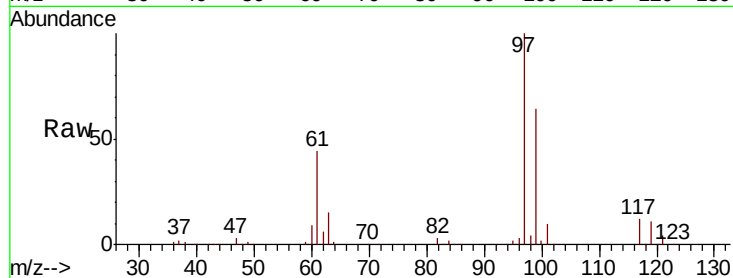




#30
 1,1,1-Trichloroethane
 Concen: 51.101 ug/L
 RT: 4.63 min Scan# 1102
 Delta R.T. 0.00 min
 Lab File: VV017765.D
 Acq: 30 Jul 2020 22:58

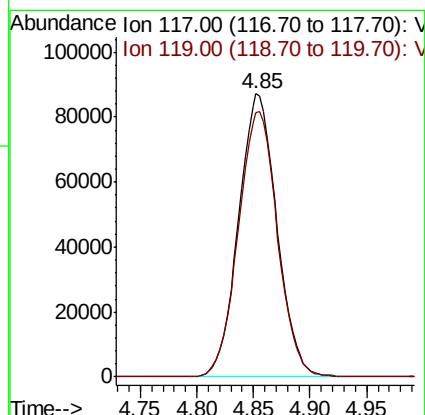
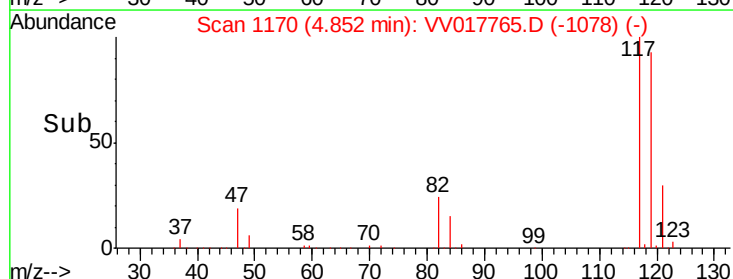
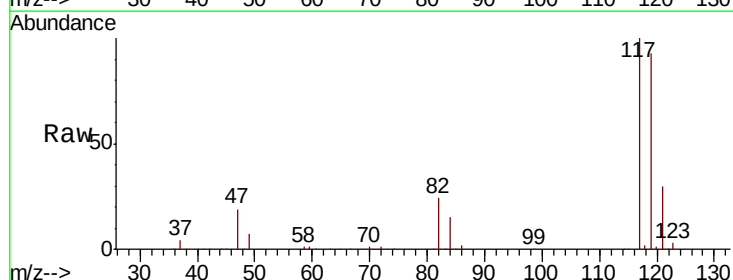
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05088

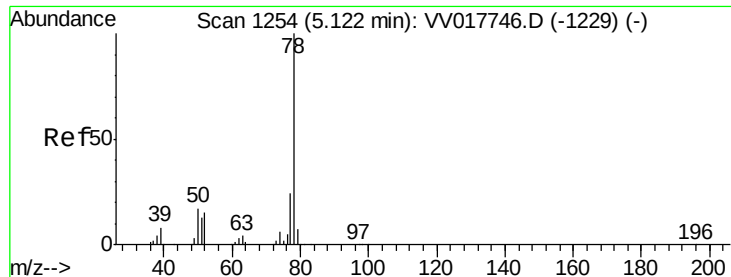
Tot Ion: 97 Resp: 227004
 Ion Ratio Lower Upper
 97 100
 99 63.0 52.0 78.0
 61 42.5 34.1 51.1



#31
 Carbon tetrachloride
 Concen: 50.698 ug/L
 RT: 4.85 min Scan# 1170
 Delta R.T. -0.00 min
 Lab File: VV017765.D
 Acq: 30 Jul 2020 22:58

Tgt Ion: 117 Resp: 205276
 Ion Ratio Lower Upper
 117 100
 119 95.5 77.6 116.4





#33

Benzene

Concen: 50.892 ug/L

RT: 5.12 min Scan# 1254

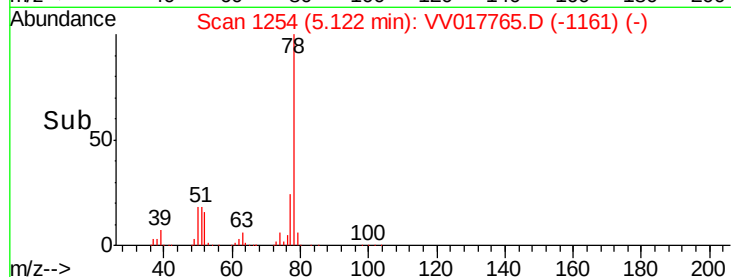
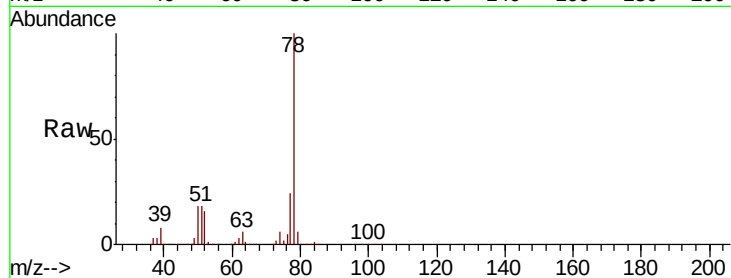
Delta R.T. 0.00 min

Lab File: VV017765.D

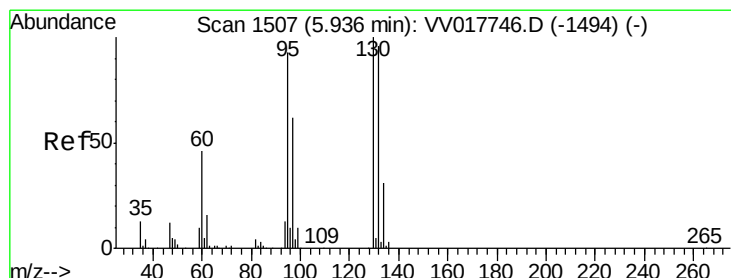
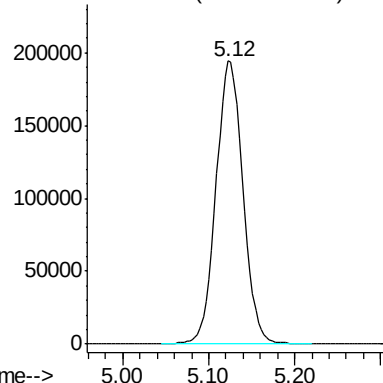
Acq: 30 Jul 2020 22:58

Instrument :
MSVOA_V
ClientSampleId :
VSTD05088

Tgt Ion: 78 Resp: 425318



Abundance Ion 78.00 (77.70 to 78.70): VV0



#34

Trichloroethene

Concen: 50.577 ug/L

RT: 5.94 min Scan# 1508

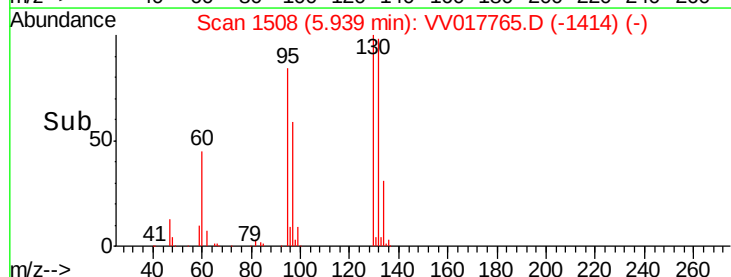
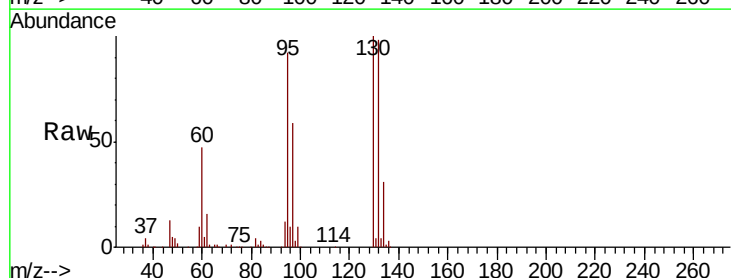
Delta R.T. 0.00 min

Lab File: VV017765.D

Acq: 30 Jul 2020 22:58

Tgt Ion: 95 Resp: 120132

Ion	Ratio	Lower	Upper
95	100		
97	63.9	45.3	84.1
132	105.9	71.4	132.6
130	108.6	75.3	139.9

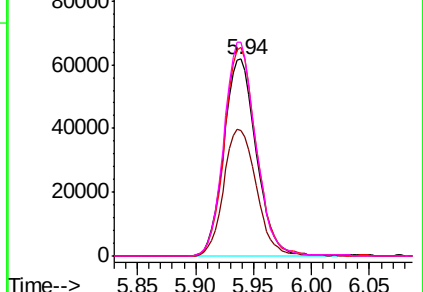


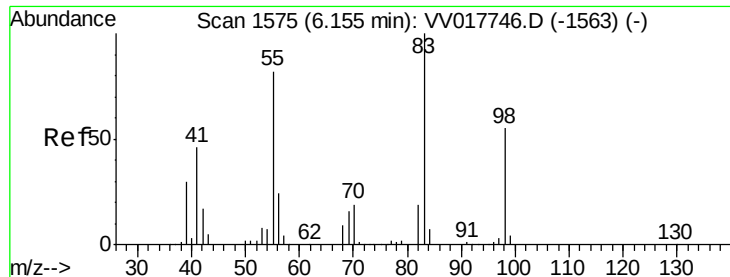
Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V

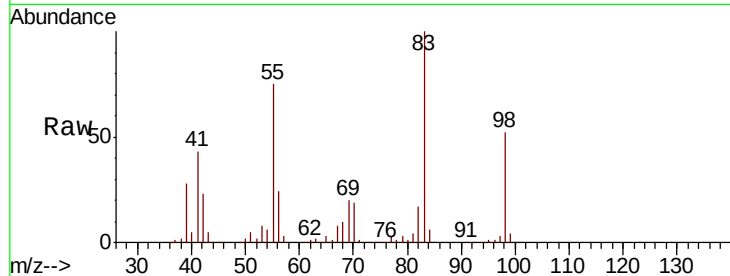




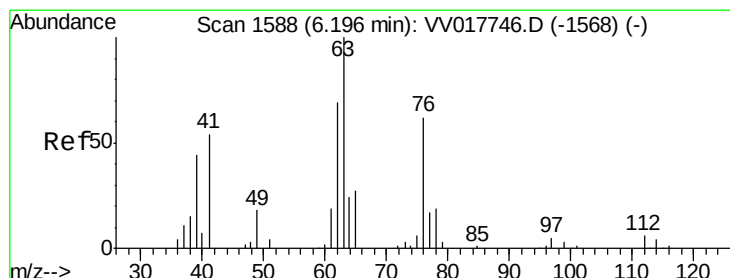
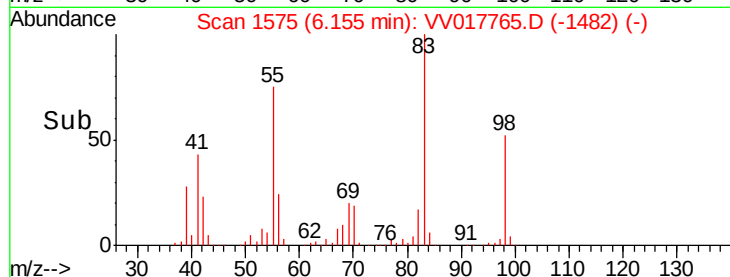
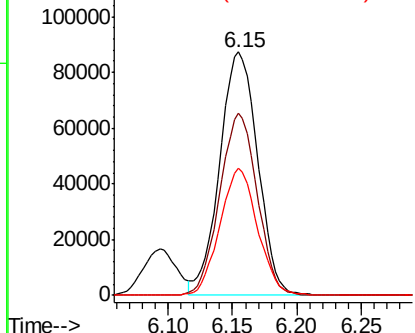
#35
Methylvlcyclohexane
Concen: 51.399 ug/L
RT: 6.15 min Scan# 1575
Delta R.T. 0.00 min
Lab File: VV017765.D
Acq: 30 Jul 2020 22:58

Instrument :
MSVOA_V
ClientSampleId :
VSTD05088

Tot Ion: 83 Resp: 179093
Ion Ratio Lower Upper
83 100
55 73.8 59.4 89.2
98 51.9 41.2 61.8

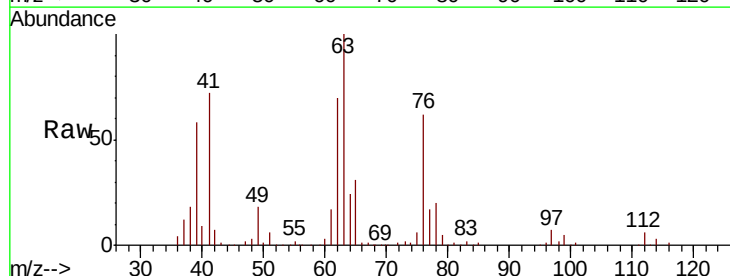


Abundance Ion 83.00 (82.70 to 83.70): VV0
Ion 55.00 (54.70 to 55.70): VV0
Ion 98.00 (97.70 to 98.70): VV0

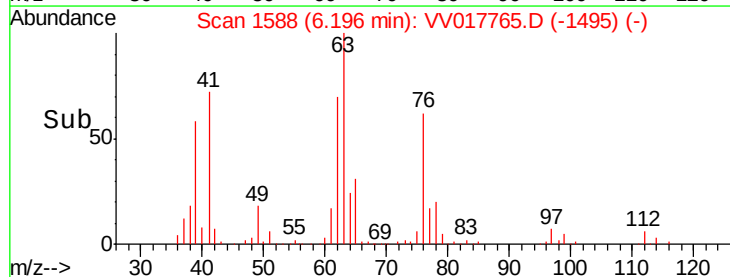
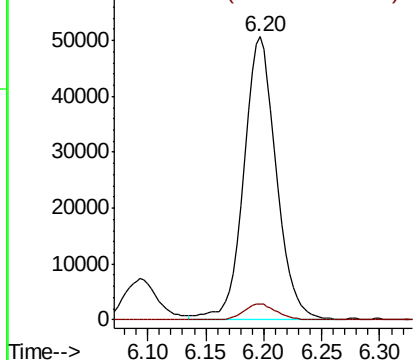


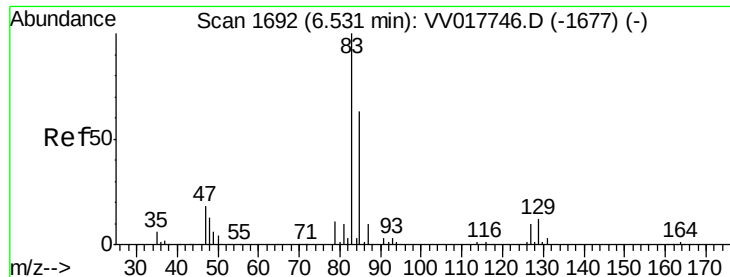
#37
1,2-Dichloropropane
Concen: 51.563 ug/L
RT: 6.20 min Scan# 1588
Delta R.T. 0.00 min
Lab File: VV017765.D
Acq: 30 Jul 2020 22:58

Tgt Ion: 63 Resp: 98770
Ion Ratio Lower Upper
63 100
112 5.7 4.6 6.8



Abundance Ion 63.00 (62.70 to 63.70): VV0
Ion 112.00 (111.70 to 112.70): V

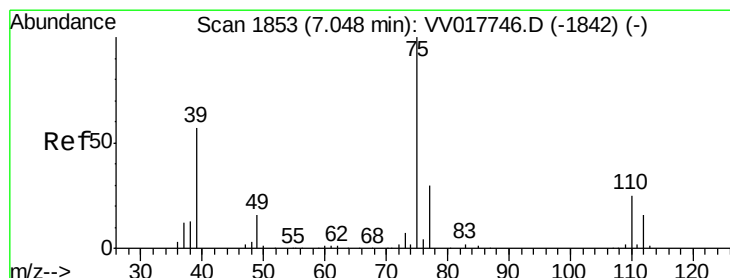
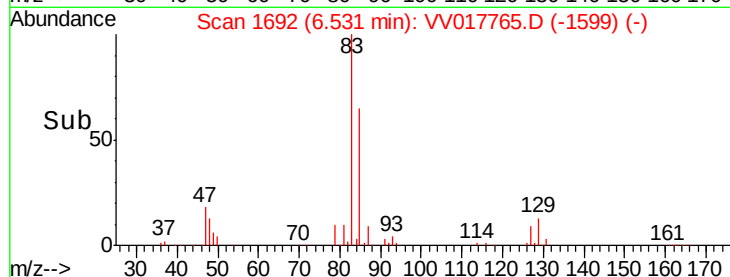
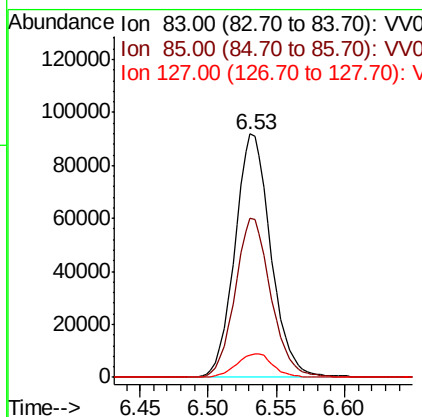
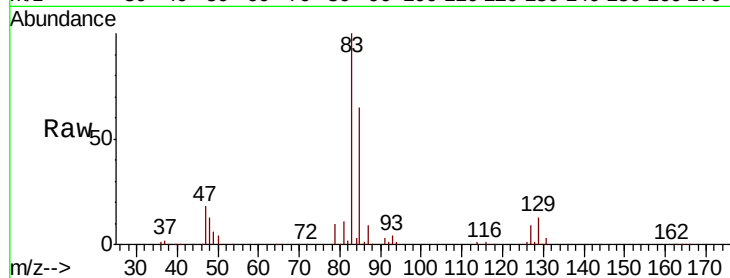




#38
 Bromodichloromethane
 Concen: 49.197 ug/L
 RT: 6.53 min Scan# 1692
 Delta R.T. 0.00 min
 Lab File: VV017765.D
 Acq: 30 Jul 2020 22:58

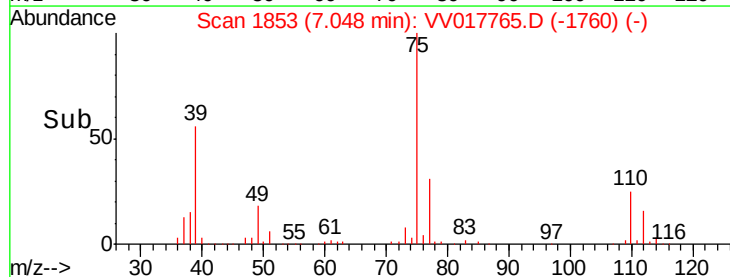
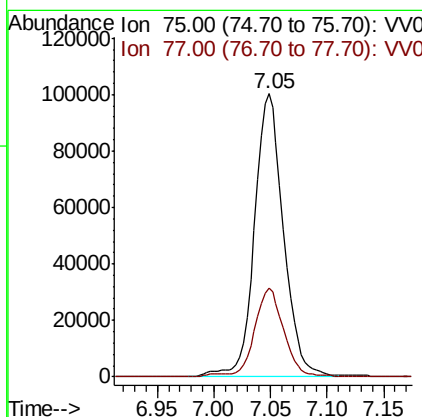
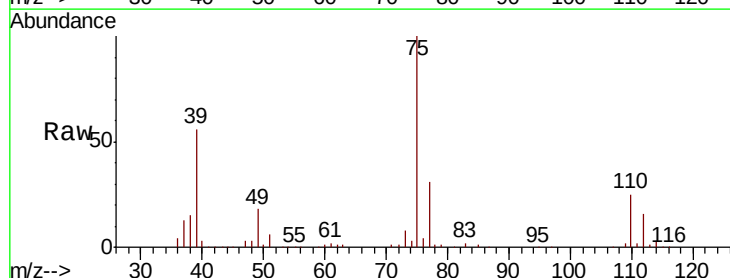
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05088

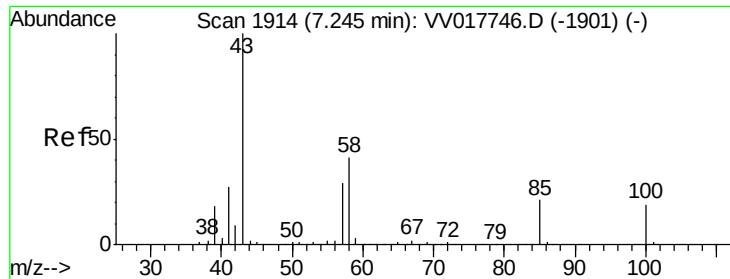
Tot Ion: 83 Resp: 167605
 Ion Ratio Lower Upper
 83 100
 85 65.1 44.8 83.2
 127 9.3 7.4 11.0



#39
 cis-1,3-Dichloropropene
 Concen: 50.847 ug/L
 RT: 7.05 min Scan# 1853
 Delta R.T. 0.00 min
 Lab File: VV017765.D
 Acq: 30 Jul 2020 22:58

Tgt Ion: 75 Resp: 178851
 Ion Ratio Lower Upper
 75 100
 77 31.4 23.2 43.0

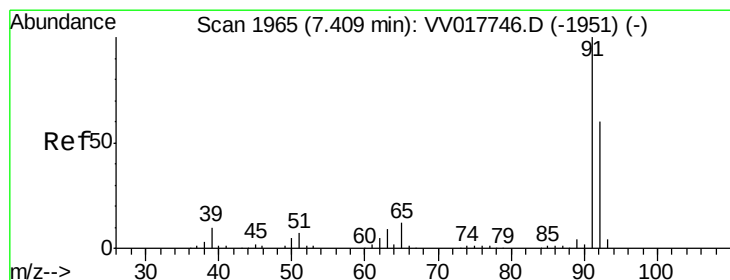
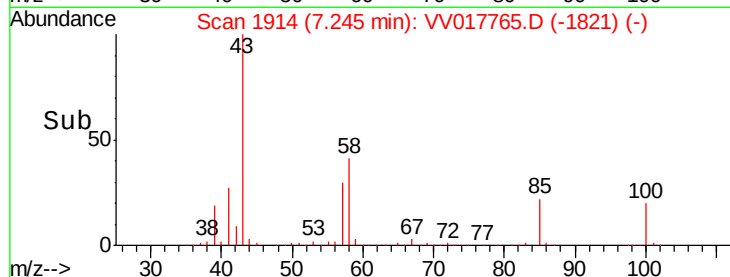
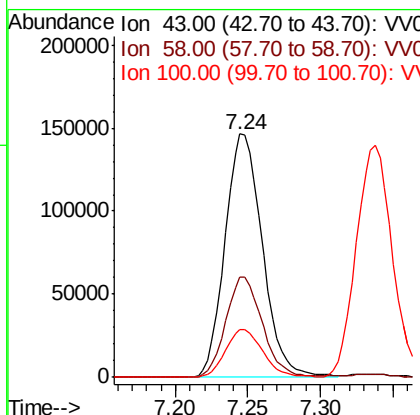
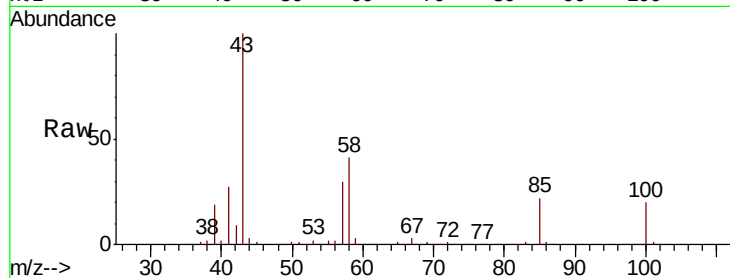




#40
4-Methyl-2-pentanone
Concen: 100.234 ug/L
RT: 7.24 min Scan# 1914
Delta R.T. 0.00 min
Lab File: VV017765.D
Acq: 30 Jul 2020 22:58

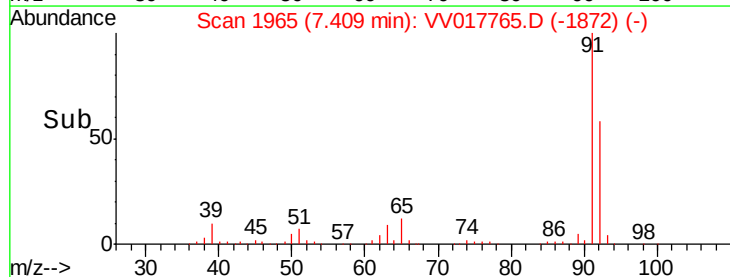
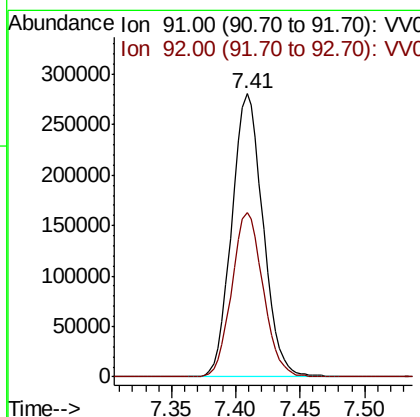
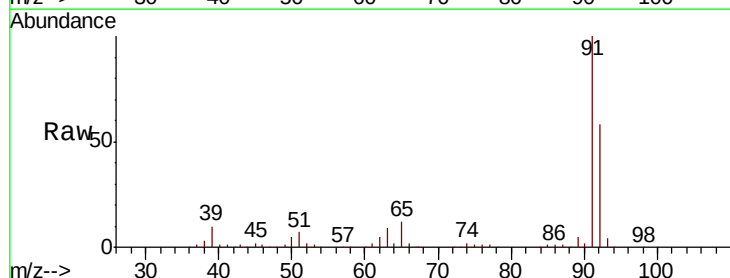
Instrument :
MSVOA_V
ClientSampleId :
VSTD05088

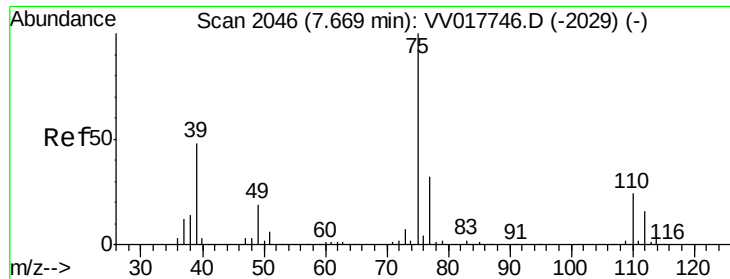
Tot Ion: 43 Resp: 261679
Ion Ratio Lower Upper
43 100
58 40.1 32.4 48.6
100 19.3 14.9 22.3



#42
Toluene
Concen: 50.962 ug/L
RT: 7.41 min Scan# 1965
Delta R.T. 0.00 min
Lab File: VV017765.D
Acq: 30 Jul 2020 22:58

Tgt Ion: 91 Resp: 473119
Ion Ratio Lower Upper
91 100
92 58.3 40.9 75.9





#44

trans-1,3-Dichloropropene

Concen: 51.476 ug/L

RT: 7.67 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VV017765.D

Acq: 30 Jul 2020 22:58

Instrument :

MSVOA_V

ClientSampleId :

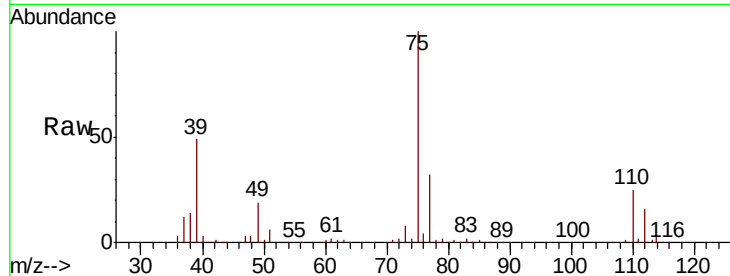
VSTD05088

Tot Ion: 75 Resp: 185822

Ion Ratio Lower Upper

75 100

77 31.6 21.8 40.6



Abundance Ion 75.00 (74.70 to 75.70): VV017746.D (-2029) (-)

Ion 77.00 (76.70 to 77.70): VV017746.D (-2029) (-)

7.67

120000

100000

80000

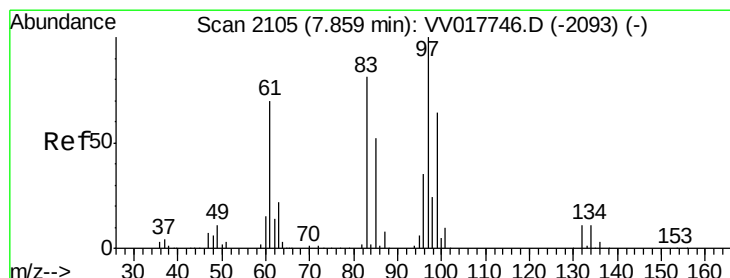
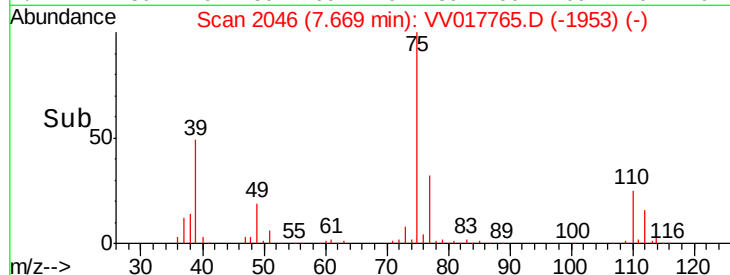
60000

40000

20000

0

Time-->



#45

1,1,2-Trichloroethane

Concen: 50.170 ug/L

RT: 7.86 min Scan# 2105

Delta R.T. 0.00 min

Lab File: VV017765.D

Acq: 30 Jul 2020 22:58

Tgt Ion: 97 Resp: 109451

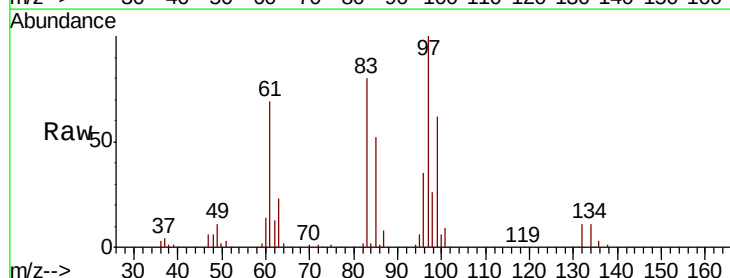
Ion Ratio Lower Upper

97 100

99 61.7 43.0 80.0

83 79.6 57.3 106.5

85 52.1 36.6 68.0



Abundance Ion 97.00 (96.70 to 97.70): VV017746.D (-2093) (-)

Ion 99.00 (98.70 to 99.70): VV017746.D (-2093) (-)

Ion 83.00 (82.70 to 83.70): VV017746.D (-2093) (-)

Ion 85.00 (84.70 to 85.70): VV017746.D (-2093) (-)

7.86

100000

80000

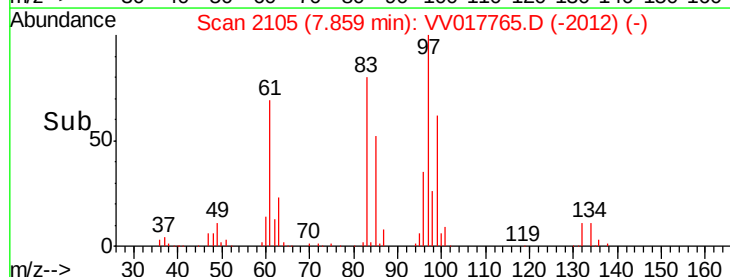
60000

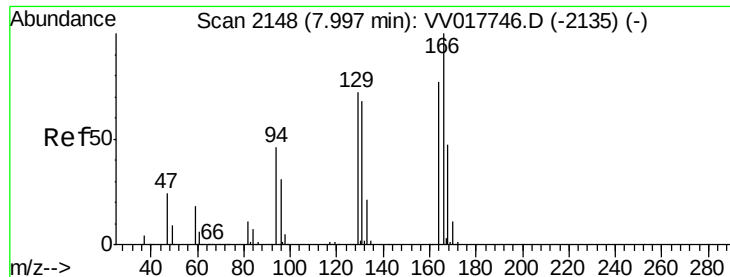
40000

20000

0

Time-->

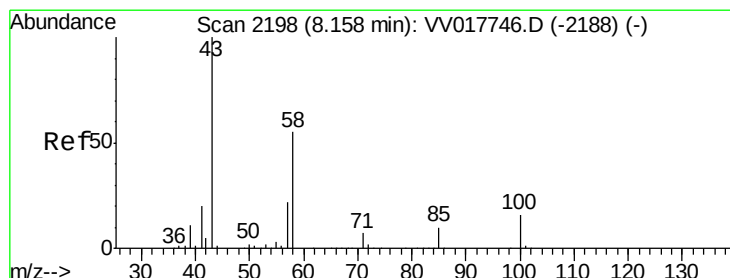
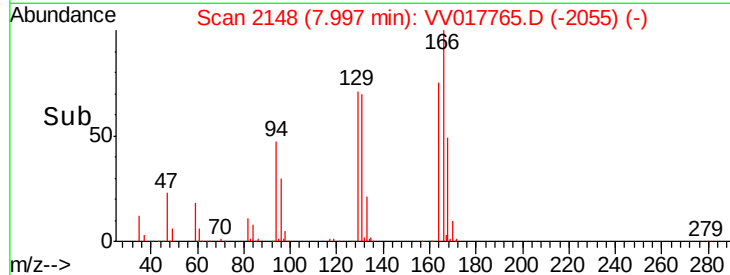
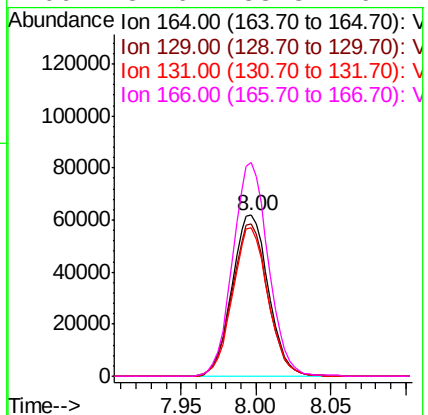
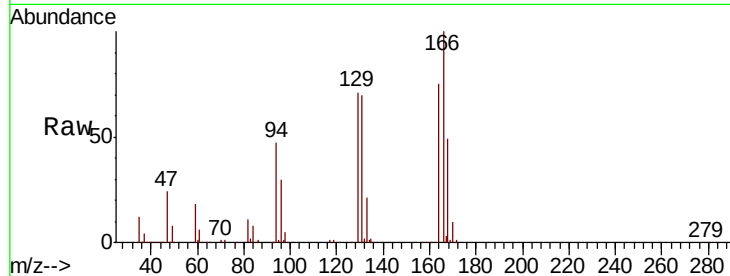




#46
Tetrachloroethene
Concen: 49.914 ug/L
RT: 8.00 min Scan# 2148
Delta R.T. 0.00 min
Lab File: VV017765.D
Acq: 30 Jul 2020 22:58

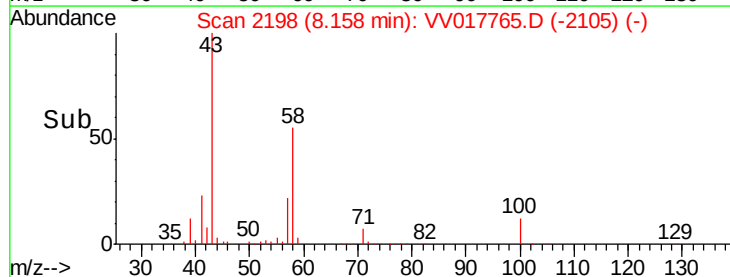
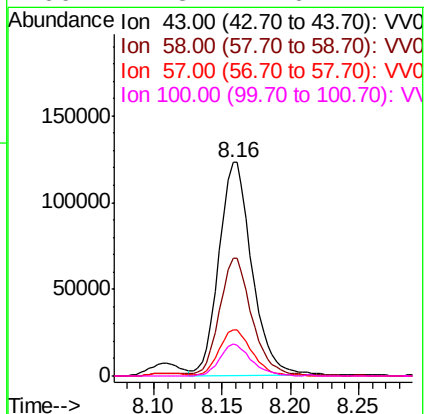
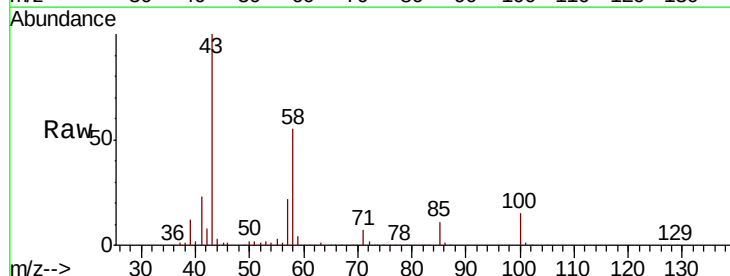
Instrument :
MSVOA_V
ClientSampleId :
VSTD05088

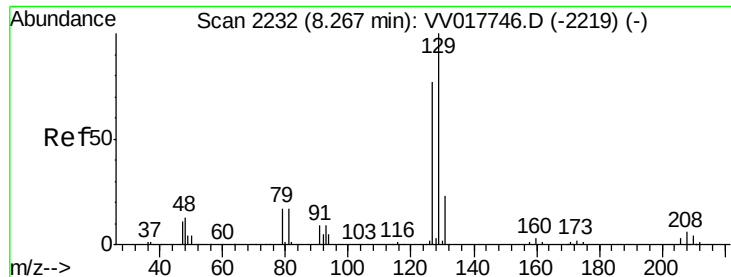
Tot Ion:	164	Resp:	105038
Ion	Ratio	Lower	Upper
164	100		
129	94.8	63.9	118.7
131	92.4	62.6	116.3
166	132.6	88.3	164.1



#48
2-Hexanone
Concen: 97.851 ug/L
RT: 8.16 min Scan# 2198
Delta R.T. 0.00 min
Lab File: VV017765.D
Acq: 30 Jul 2020 22:58

Tgt Ion:	43	Resp:	207840
Ion	Ratio	Lower	Upper
43	100		
58	53.2	42.8	64.2
57	21.4	16.6	24.8
100	14.3	11.6	17.4





#49

Dibromochloromethane

Concen: 49.209 ug/L

RT: 8.27 min Scan# 2232

Delta R.T. 0.00 min

Lab File: VV017765.D

Acq: 30 Jul 2020 22:58

Instrument :

MSVOA_V

ClientSampleId :

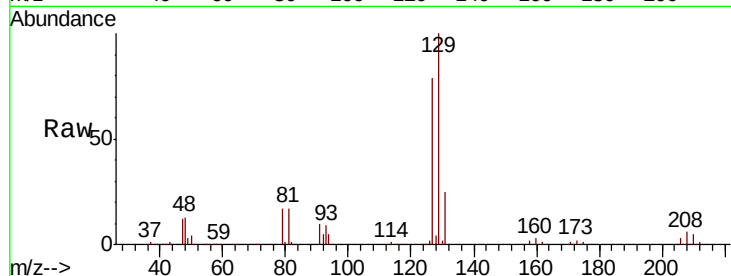
VSTD05088

Tot Ion:129 Resp: 140419

Ion Ratio Lower Upper

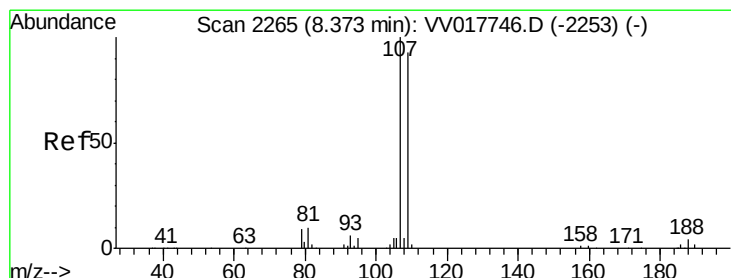
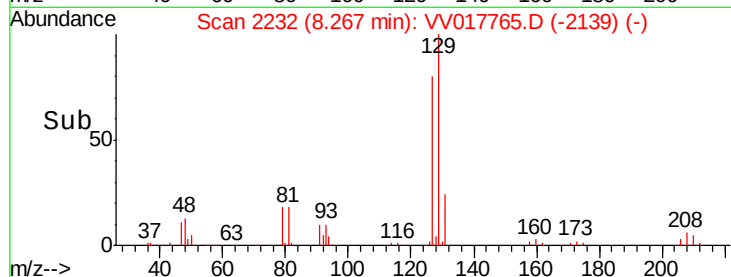
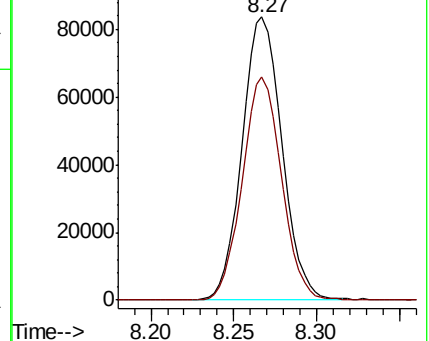
129 100

127 78.7 52.6 97.8



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#50

1,2-Dibromoethane

Concen: 50.279 ug/L

RT: 8.37 min Scan# 2265

Delta R.T. 0.00 min

Lab File: VV017765.D

Acq: 30 Jul 2020 22:58

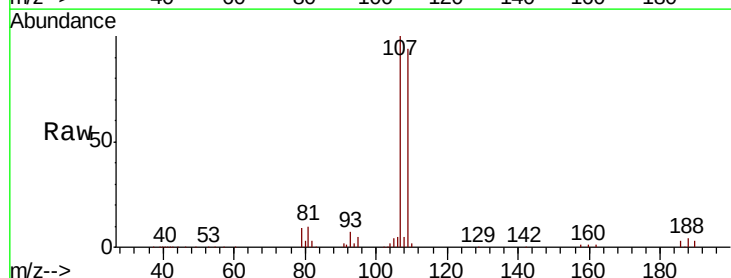
Tgt Ion:107 Resp: 119438

Ion Ratio Lower Upper

107 100

109 94.4 65.5 121.7

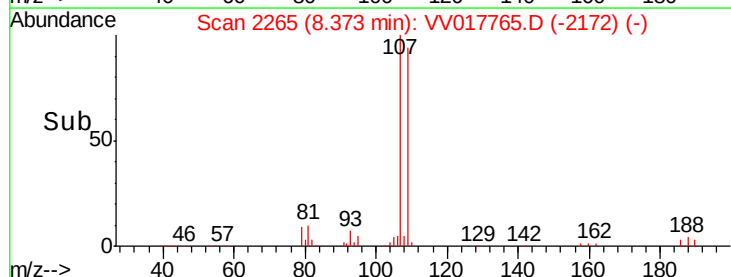
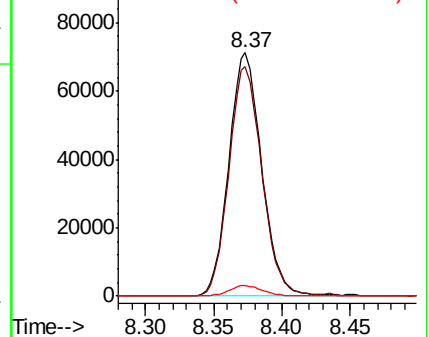
188 4.5 3.6 5.4

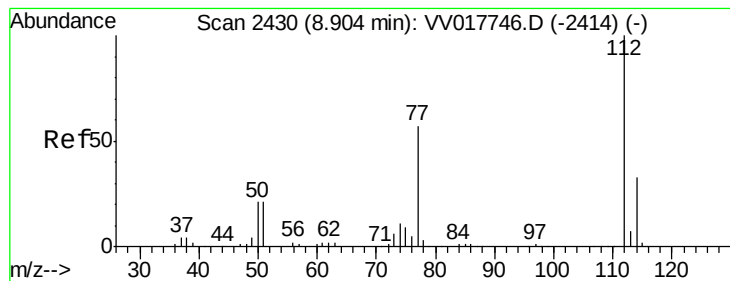


Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V





#51

Chlorobenzene

Concen: 49.908 ug/L

RT: 8.90 min Scan# 2429

Delta R.T. -0.00 min

Lab File: VV017765.D

Acq: 30 Jul 2020 22:58

Instrument :

MSVOA_V

ClientSampleId :

VSTD05088

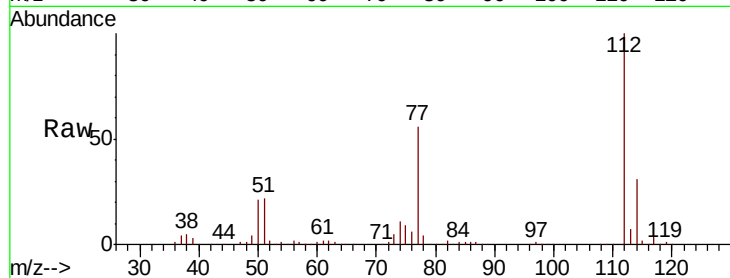
Tot Ion:112 Resp: 317888

Ion Ratio Lower Upper

112 100

114 30.8 22.7 42.1

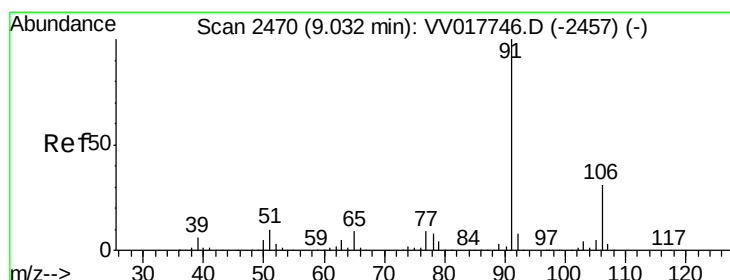
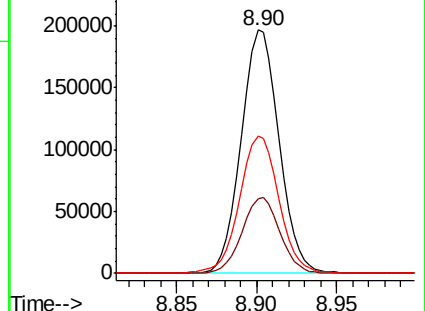
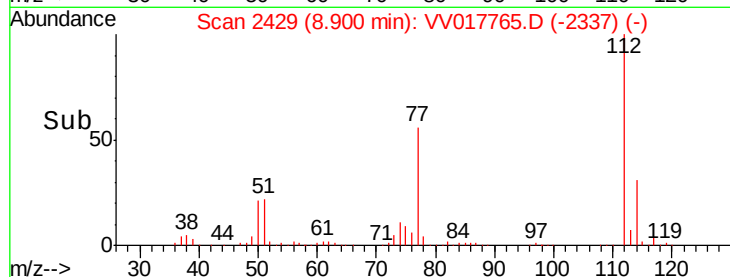
77 56.4 46.6 70.0



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): V



#52

Ethylbenzene

Concen: 51.358 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. 0.00 min

Lab File: VV017765.D

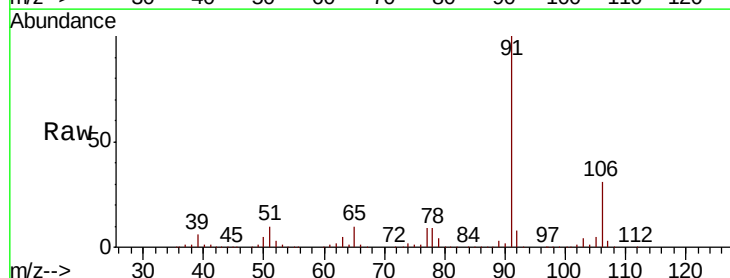
Acq: 30 Jul 2020 22:58

Tgt Ion: 91 Resp: 546266

Ion Ratio Lower Upper

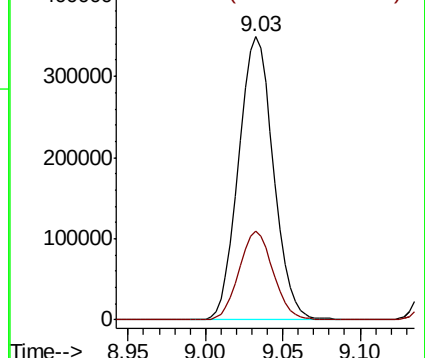
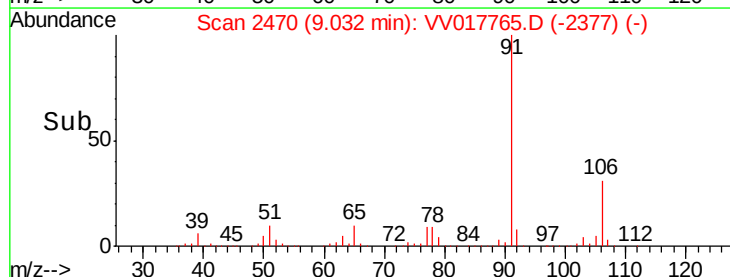
91 100

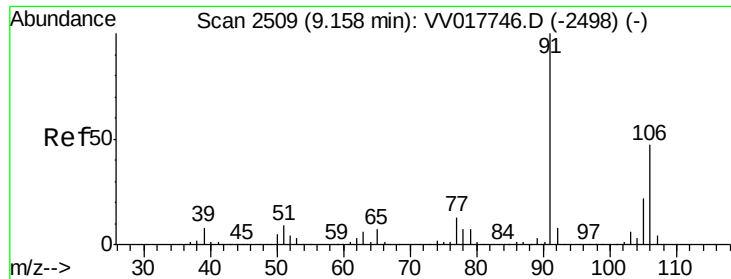
106 31.2 21.5 39.9



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V





#53

m,p-Xylene

Concen: 50.946 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VV017765.D

Acq: 30 Jul 2020 22:58

Instrument :

MSVOA_V

ClientSampleId :

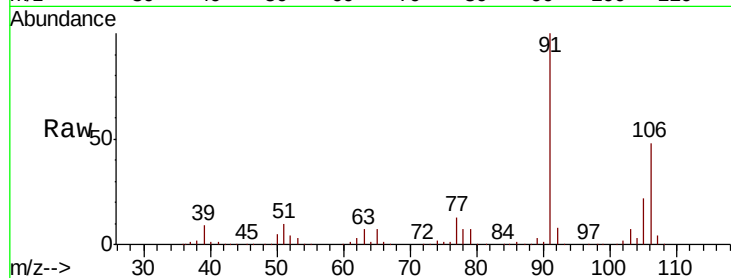
VSTD05088

Tot Ion:106 Resp: 207733

Ion Ratio Lower Upper

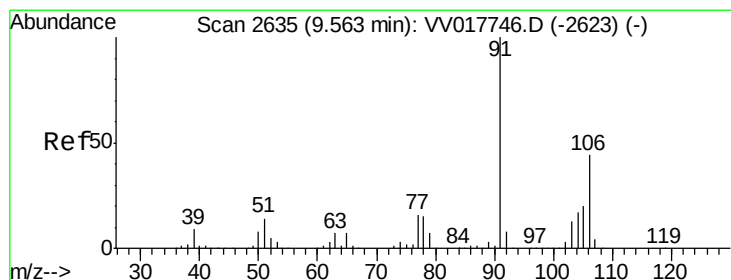
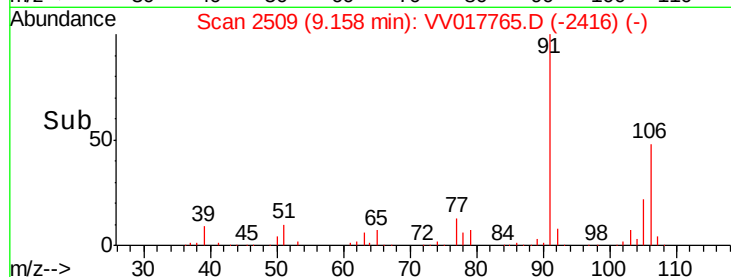
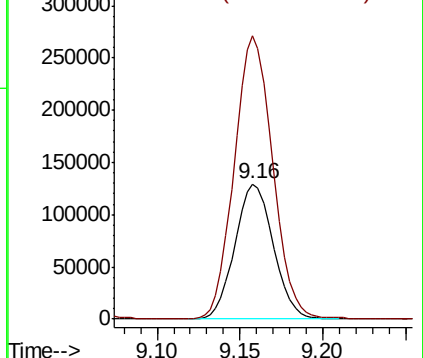
106 100

91 209.2 145.8 270.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#54

o-xylene

Concen: 51.430 ug/L

RT: 9.56 min Scan# 2635

Delta R.T. 0.00 min

Lab File: VV017765.D

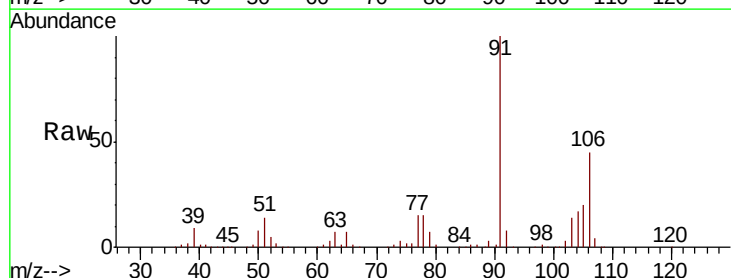
Acq: 30 Jul 2020 22:58

Tgt Ion:106 Resp: 202930

Ion Ratio Lower Upper

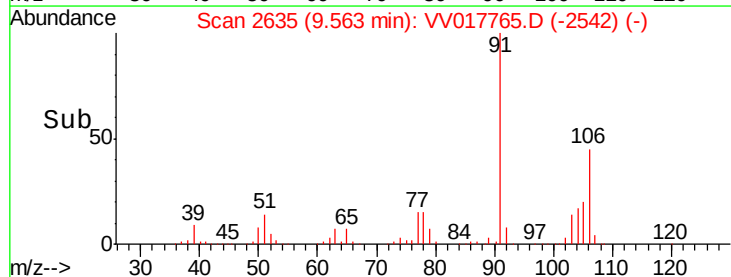
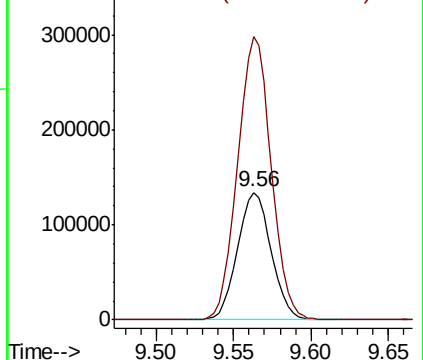
106 100

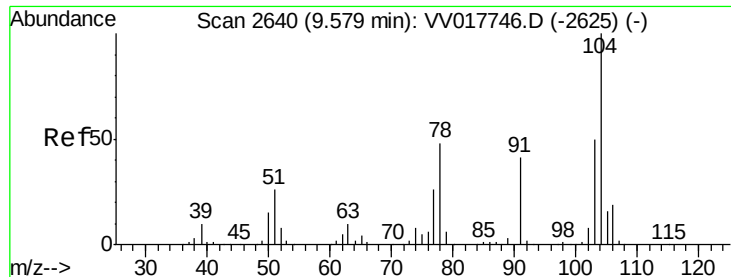
91 222.3 156.4 290.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0





#55

Stvrene

Concen: 51.183 ug/L

RT: 9.58 min Scan# 2640

Delta R.T. 0.00 min

Lab File: VV017765.D

Acq: 30 Jul 2020 22:58

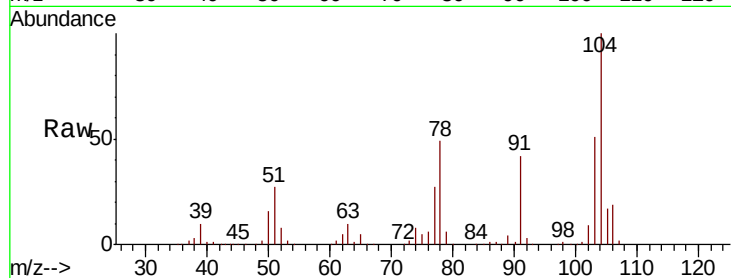
Instrument :
MSVOA_V
ClientSampleId :
VSTD05088

Tot Ion:104 Resp: 351286

Ion Ratio Lower Upper

104 100

78 49.5 34.9 64.7



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0

250000

200000

150000

100000

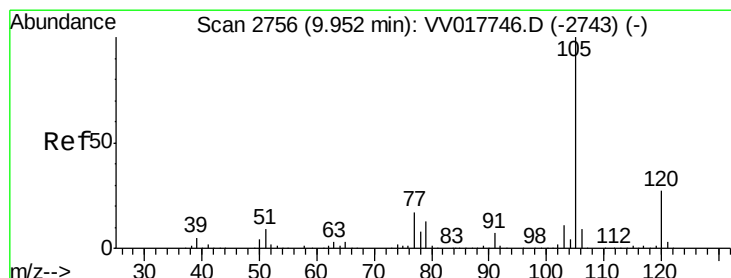
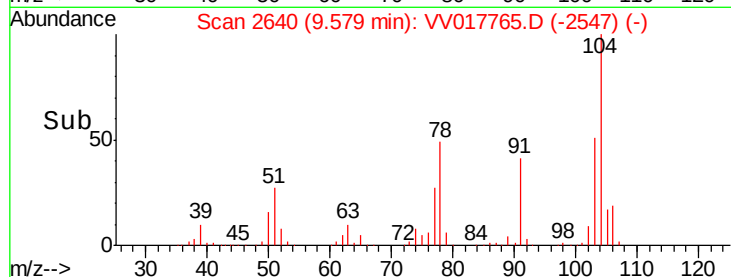
50000

0

9.58

9.50 9.55 9.60 9.65

Time-->



#56

Isopropylbenzene

Concen: 52.283 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV017765.D

Acq: 30 Jul 2020 22:58

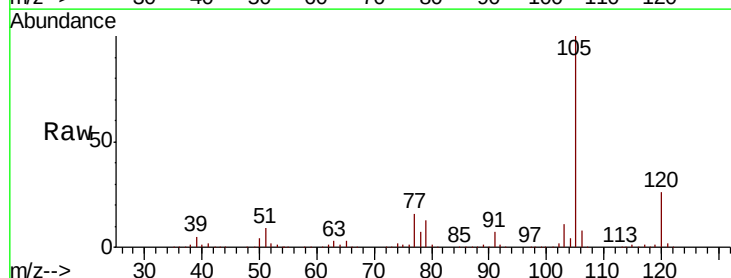
Tgt Ion:105 Resp: 564650

Ion Ratio Lower Upper

105 100

120 26.3 21.0 31.6

77 16.3 13.2 19.8



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): VV0

500000

400000

300000

200000

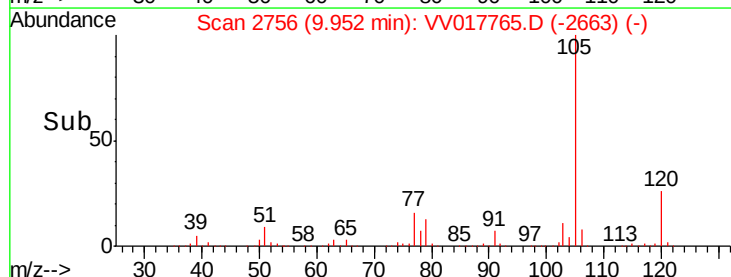
100000

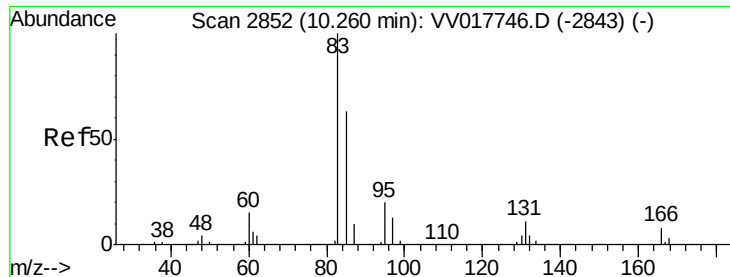
0

9.95

9.90 9.95 10.00

Time-->





#58

1,1,2,2-Tetrachloroethane

Concen: 48.620 ug/L

RT: 10.26 min Scan# 2852

Delta R.T. 0.00 min

Lab File: VV017765.D

Acq: 30 Jul 2020 22:58

Instrument :

MSVOA_V

ClientSampleId :

VSTD05088

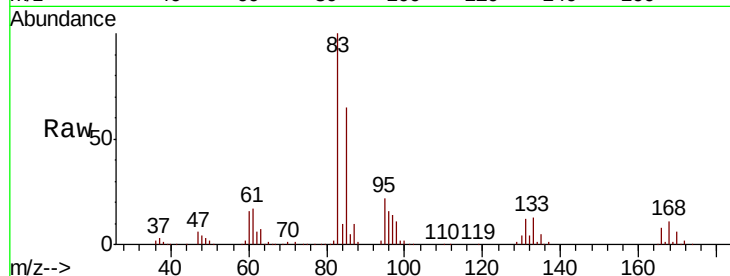
Tot Ion: 83 Resp: 154384

Ion Ratio Lower Upper

83 100

85 64.5 45.6 84.8

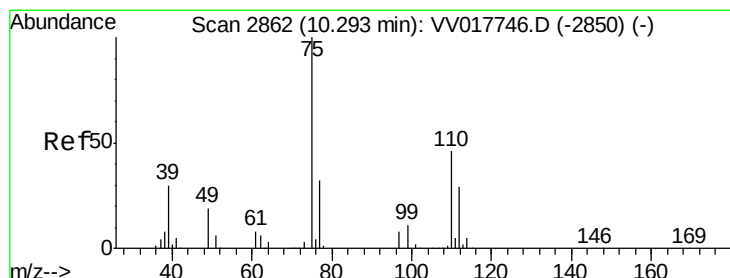
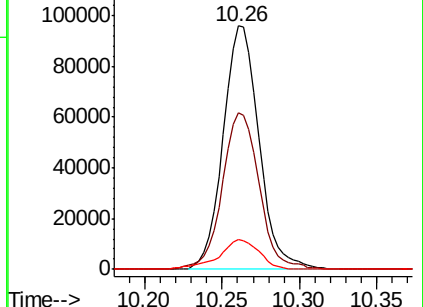
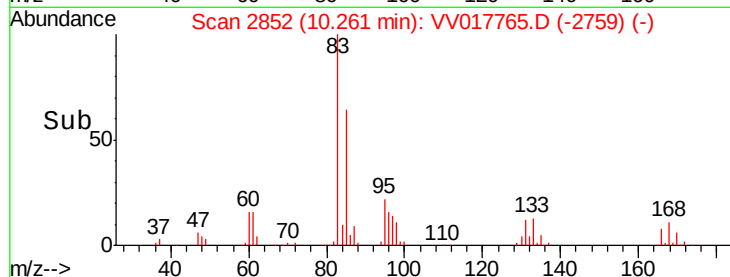
131 12.1 9.5 14.3



Abundance Ion 83.00 (82.70 to 83.70): VV017746.D (-2843) (-)

Ion 85.00 (84.70 to 85.70): VV017746.D (-2843) (-)

Ion 131.00 (130.70 to 131.70): VV017746.D (-2843) (-)



#59

1,2,3-Trichloropropane

Concen: 49.435 ug/L

RT: 10.29 min Scan# 2862

Delta R.T. 0.00 min

Lab File: VV017765.D

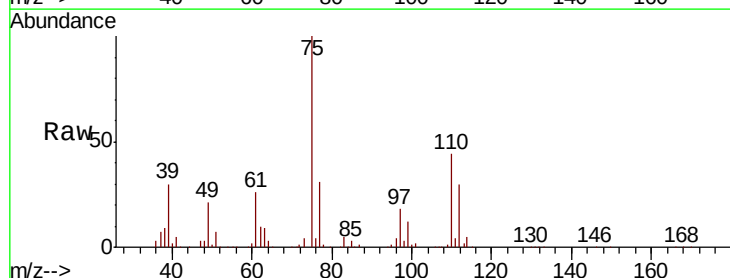
Acq: 30 Jul 2020 22:58

Tgt Ion: 75 Resp: 137804

Ion Ratio Lower Upper

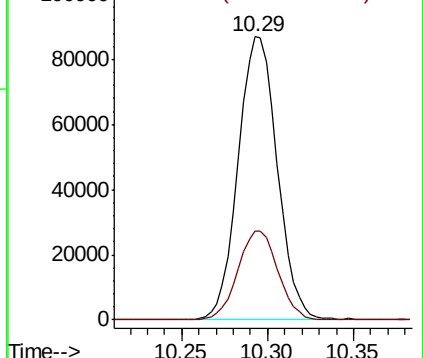
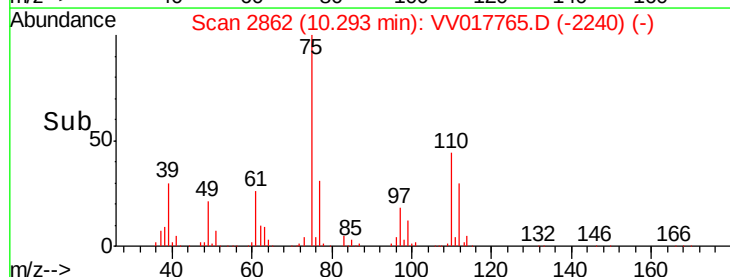
75 100

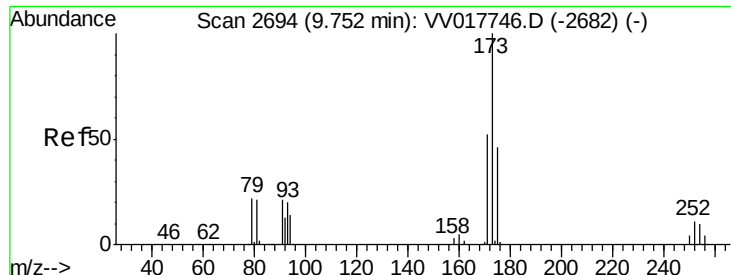
77 32.3 25.1 37.7



Abundance Ion 75.00 (74.70 to 75.70): VV017746.D (-2850) (-)

Ion 77.00 (76.70 to 77.70): VV017746.D (-2850) (-)





#61

Bromoform

Concen: 50.108 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VV017765.D

Acq: 30 Jul 2020 22:58

Instrument :
MSVOA_V
ClientSampleId :
VSTD05088

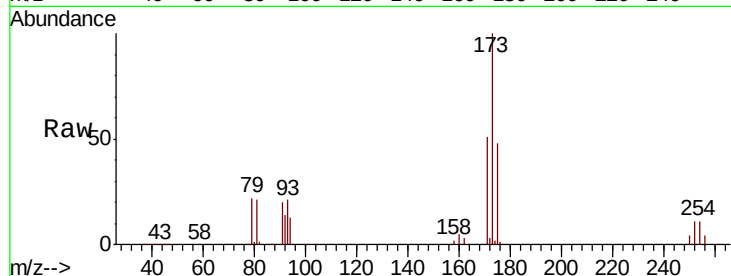
Tot Ion:173 Resp: 105268

Ion Ratio Lower Upper

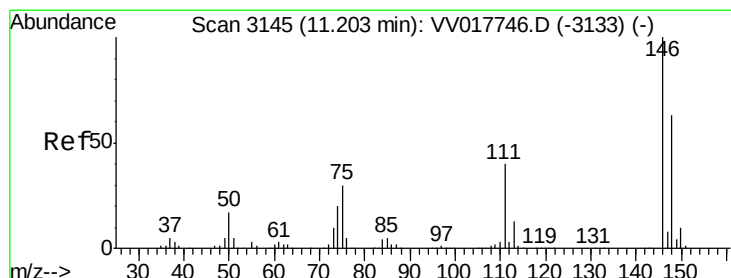
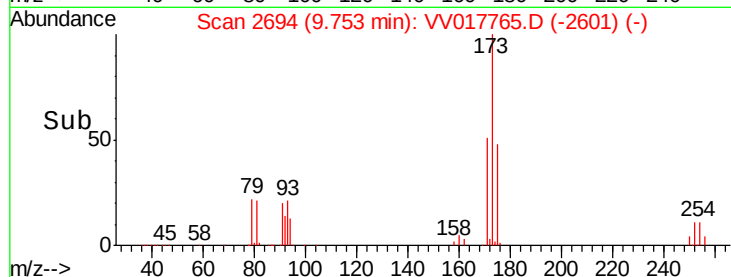
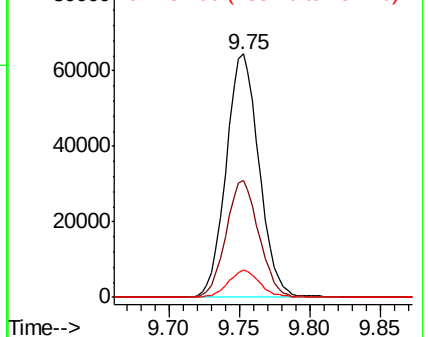
173 100

175 47.6 39.8 59.8

254 10.6 8.4 12.6



Abundance Ion 173.00 (172.70 to 173.70): V
Ion 175.00 (174.70 to 175.70): V
Ion 254.00 (253.70 to 254.70): V



#62

1,3-Dichlorobenzene

Concen: 50.209 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. 0.00 min

Lab File: VV017765.D

Acq: 30 Jul 2020 22:58

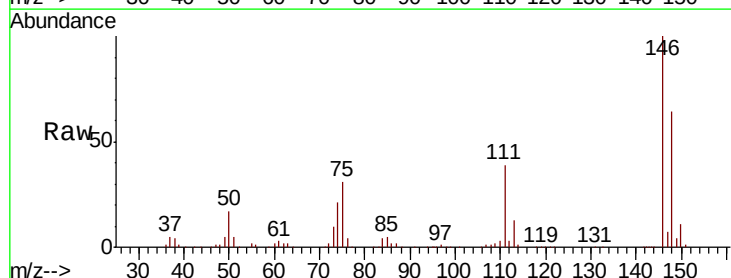
Tgt Ion:146 Resp: 272871

Ion Ratio Lower Upper

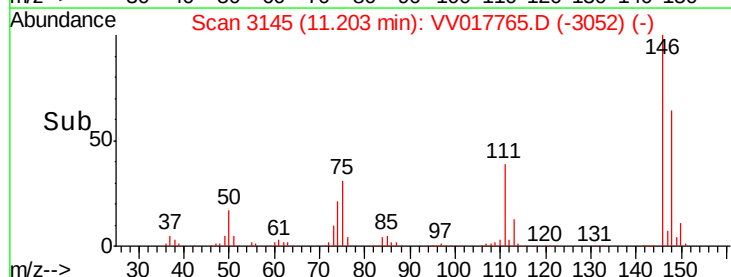
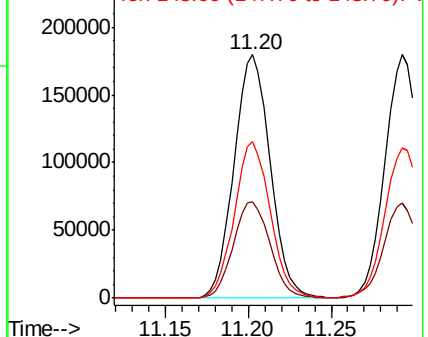
146 100

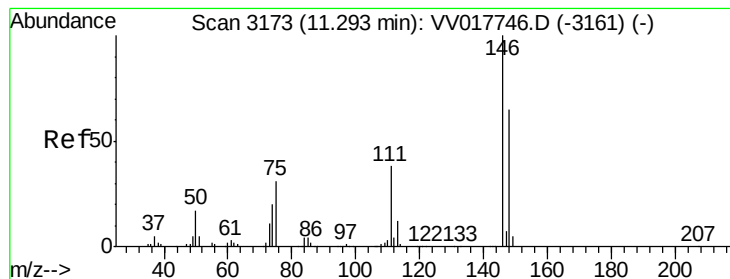
111 39.5 27.6 51.4

148 64.2 45.3 84.1



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: 49.355 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. 0.00 min

Lab File: VV017765.D

Acq: 30 Jul 2020 22:58

Instrument :

MSVOA_V

ClientSampleId :

VSTD05088

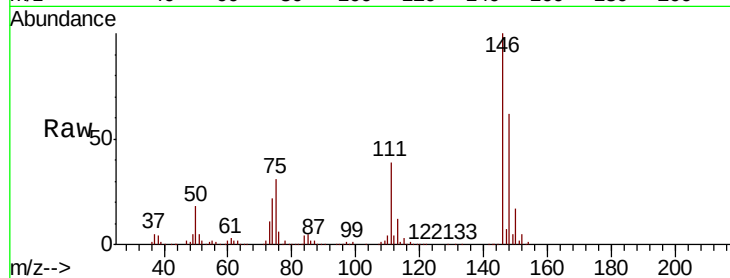
Tot Ion:146 Resp: 272539

Ion Ratio Lower Upper

146 100

111 39.0 26.4 49.0

148 61.9 45.3 84.1

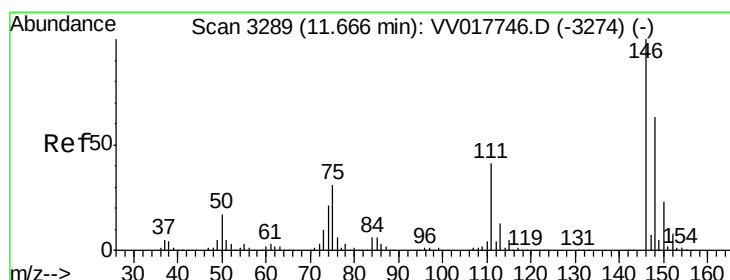
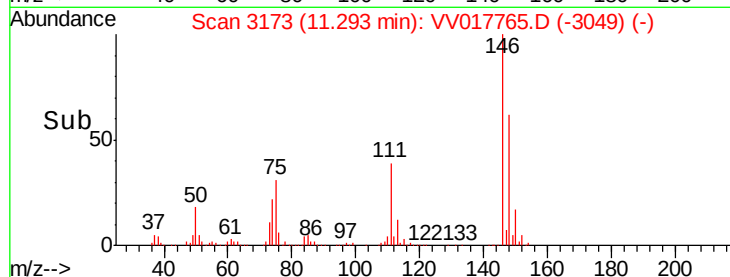
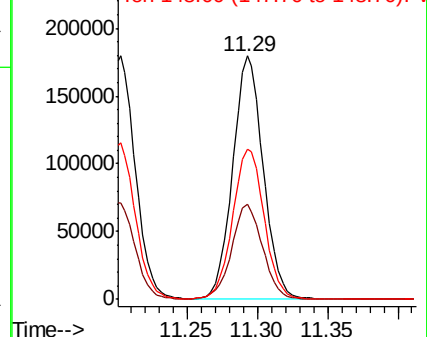


Abundance

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: 50.402 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. 0.00 min

Lab File: VV017765.D

Acq: 30 Jul 2020 22:58

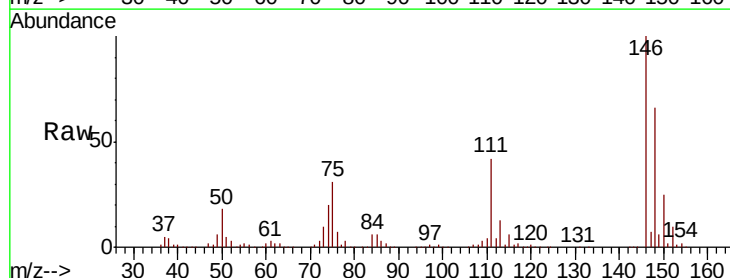
Tgt Ion:146 Resp: 275388

Ion Ratio Lower Upper

146 100

111 41.7 32.6 49.0

148 66.1 50.4 75.6

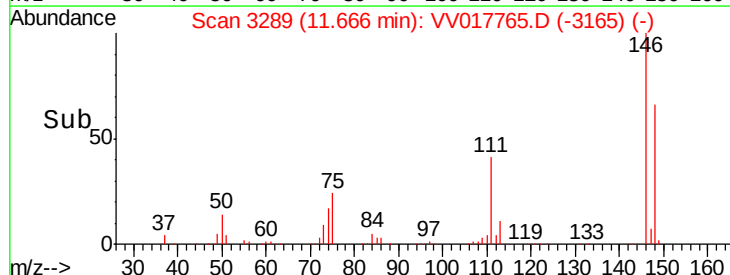
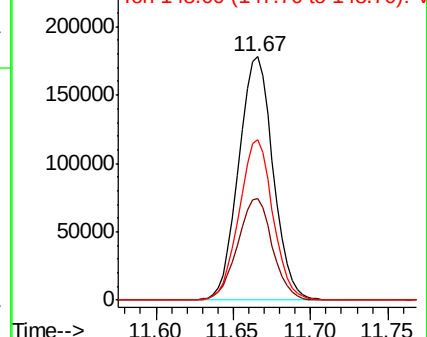


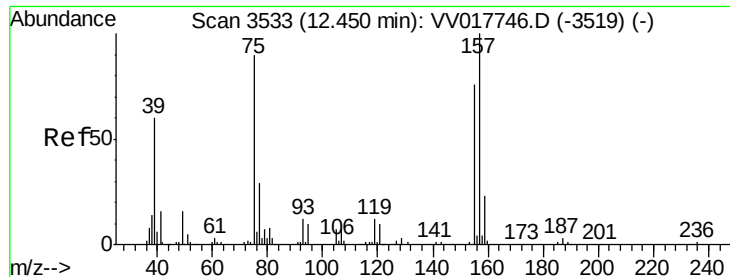
Abundance

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: 51.385 ug/L

RT: 12.45 min Scan# 3533

Delta R.T. 0.00 min

Lab File: VV017765.D

Acq: 30 Jul 2020 22:58

Instrument :

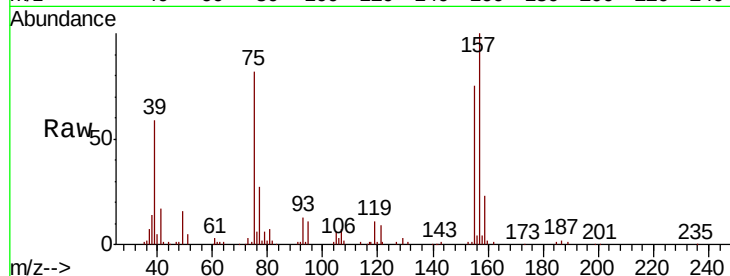
MSVOA_V

ClientSampleId :

VSTD05088

Tot Ion: 75 Resp: 43875

Ion	Ratio	Lower	Upper
75	100		
155	90.8	70.2	105.2
157	121.4	88.9	133.3

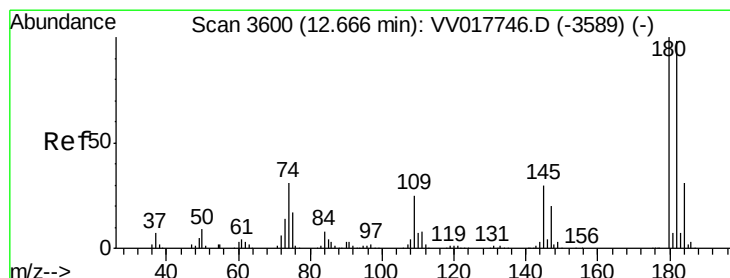
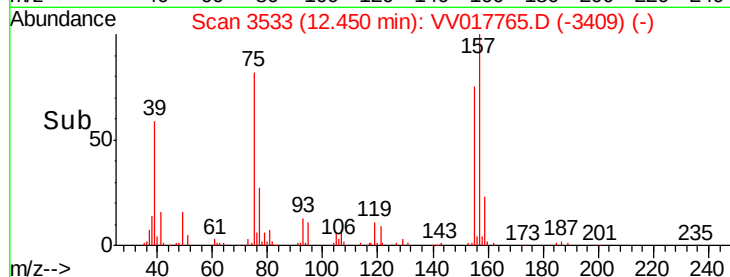
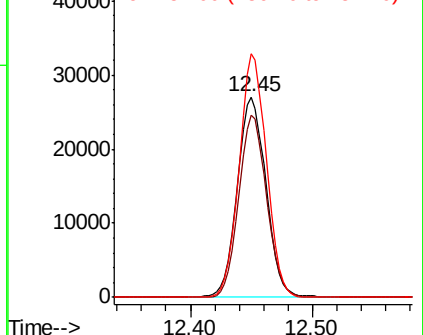


Abundance

Ion 75.00 (74.70 to 75.70): VV017765.D (-3409) (-)

Ion 155.00 (154.70 to 155.70): VV017765.D (-3409) (-)

Ion 157.00 (156.70 to 157.70): VV017765.D (-3409) (-)



#67

1,3,5-Trichlorobenzene

Concen: 50.576 ug/L

RT: 12.67 min Scan# 3601

Delta R.T. 0.00 min

Lab File: VV017765.D

Acq: 30 Jul 2020 22:58

Tgt Ion: 180 Resp: 214936

Ion	Ratio	Lower	Upper
180	100		
182	95.4	76.9	115.3
184	31.3	25.1	37.7
145	30.2	24.3	36.5

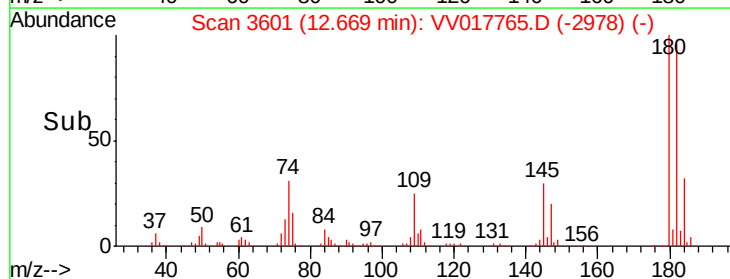
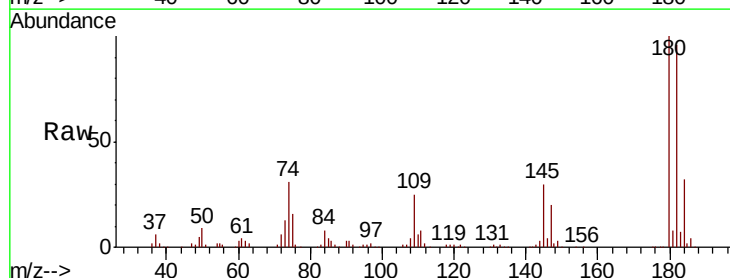
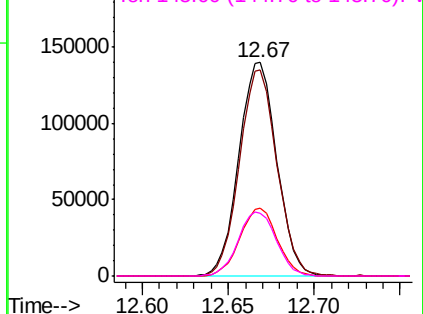
Abundance

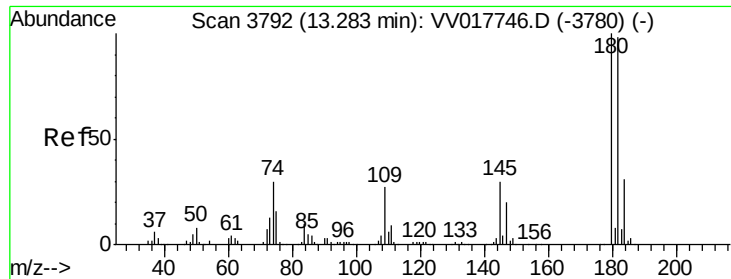
Ion 180.00 (179.70 to 180.70): VV017765.D (-2978) (-)

Ion 182.00 (181.70 to 182.70): VV017765.D (-2978) (-)

Ion 184.00 (183.70 to 184.70): VV017765.D (-2978) (-)

Ion 145.00 (144.70 to 145.70): VV017765.D (-2978) (-)

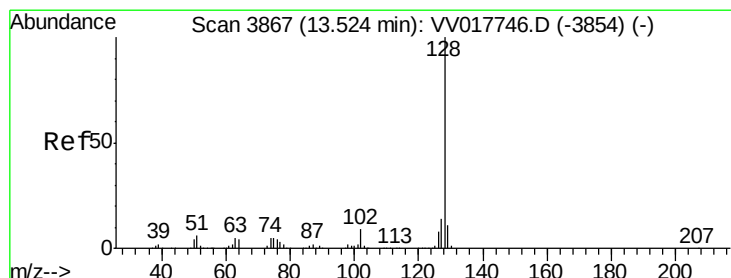
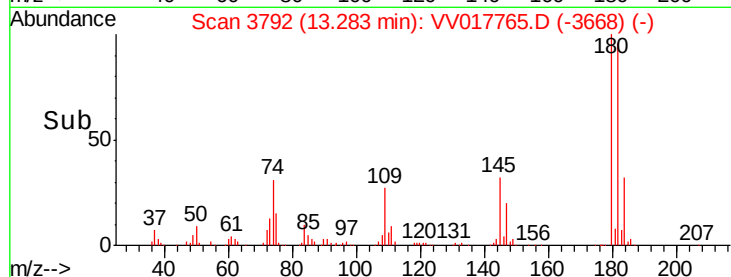
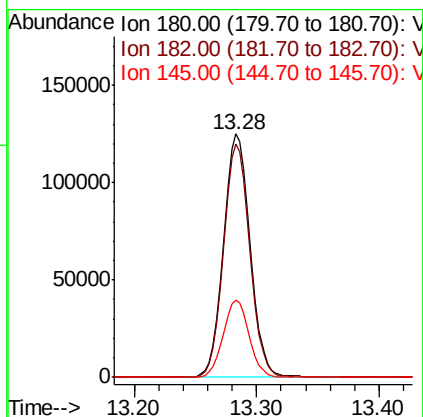
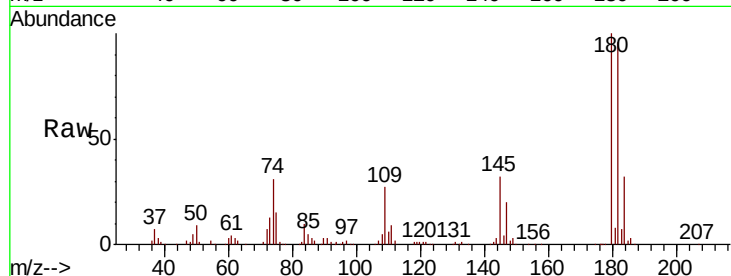




#68
1,2,4-trichlorobenzene
Concen: 52.021 ug/L
RT: 13.28 min Scan# 3792
Delta R.T. 0.00 min
Lab File: VV017765.D
Acq: 30 Jul 2020 22:58

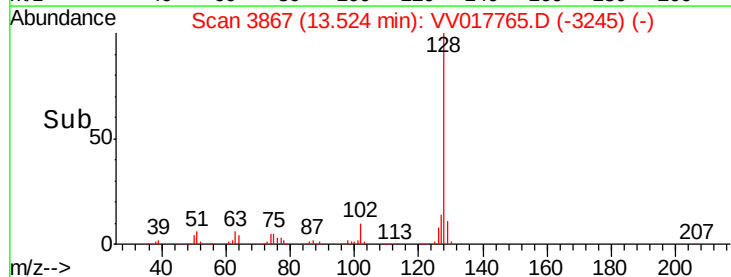
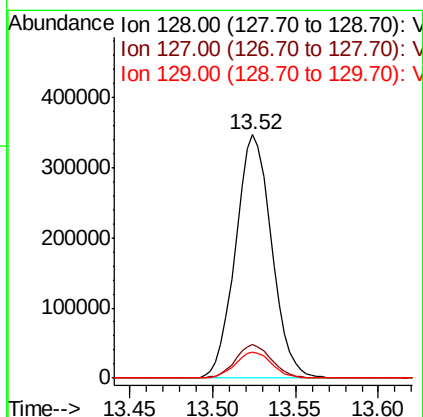
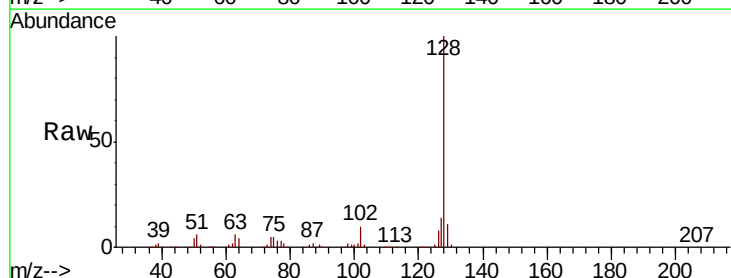
Instrument :
MSVOA_V
ClientSampleId :
VSTD05088

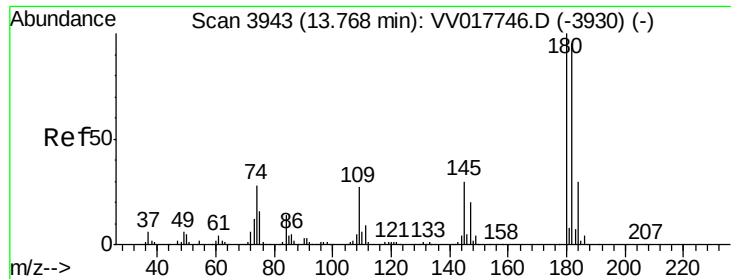
Tot Ion:180 Resp: 191872
Ion Ratio Lower Upper
180 100
182 94.6 76.0 114.0
145 31.0 24.6 36.8



#69
Naphthalene
Concen: 53.974 ug/L
RT: 13.52 min Scan# 3867
Delta R.T. 0.00 min
Lab File: VV017765.D
Acq: 30 Jul 2020 22:58

Tgt Ion:128 Resp: 525167
Ion Ratio Lower Upper
128 100
127 13.9 10.7 16.1
129 10.9 8.4 12.6





#70
 1,2,3-Trichlorobenzene
 Concen: 53.175 ug/L
 RT: 13.77 min Scan# 3942
 Delta R.T. -0.00 min
 Lab File: VV017765.D
 Acq: 30 Jul 2020 22:58

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05088

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.2	76.7	115.1
145	33.5	26.4	39.6

