

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV073120\
 Data File : VV017788.D
 Acq On : 31 Jul 2020 20:47
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00544

Quant Time: Aug 01 04:53:25 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR072320WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Aug 01 04:42:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	147335	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	140088	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	79341	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	31393	4.46	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	89.20%
7) Chloroethane-d5	1.58	69	27732	5.15	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	103.00%
11) 1,1-Dichloroethene-d2	2.13	63	73571	4.67	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	93.40%
20) 2-Butanone-d5	3.93	46	71697	42.60	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	85.20%
24) Chloroform-d	4.37	84	77114	4.53	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.60%
26) 1,2-Dichloroethane-d4	5.06	65	42768	4.87	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.40%
32) Benzene-d6	5.07	84	127567	4.13	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	82.60%
36) 1,2-Dichloropropane-d6	6.10	67	34793	4.05	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	81.00%
41) Toluene-d8	7.34	98	125654	4.24	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.80%
45) trans-1,3-Dichloropropene-	7.64	79	16610	4.27	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	85.40%
48) 2-Hexanone-d5	8.11	63	52071	43.19	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	86.38%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	24738	4.14	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	82.80%
65) 1,2-Dichlorobenzene-d4	11.65	152	54617	4.55	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	91.00%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	77968	4.829	ug/L	99
3) Chloromethane	1.25	50	48089	4.579	ug/L	94
5) Vinyl chloride	1.32	62	53628	5.095	ug/L	99
6) Bromomethane	1.53	94	33379	4.934	ug/L	99
8) Chloroethane	1.60	64	32545	5.356	ug/L	97
9) Trichlorofluoromethane	1.77	101	111122	5.902	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	46755	5.318	ug/L	92
12) 1,1-Dichloroethene	2.13	96	46420	5.851	ug/L	94
13) Acetone	2.21	43	67153	50.969	ug/L #	55
14) Carbon disulfide	2.31	76	125647	5.209	ug/L	97
15) Methyl Acetate	2.45	43	13794	5.380	ug/L	92
16) Methylene chloride	2.52	84	46001	5.211	ug/L	96
17) Methyl tert-butyl Ether	2.79	73	109522	5.386	ug/L	98
18) trans-1,2-Dichloroethene	2.78	96	47704	5.518	ug/L	97
19) 1,1-Dichloroethane	3.21	63	88603	4.874	ug/L	95
21) 2-Butanone	4.02	43	89677	40.309	ug/L	98
22) cis-1,2-Dichloroethene	3.94	96	51412	4.722	ug/L	99

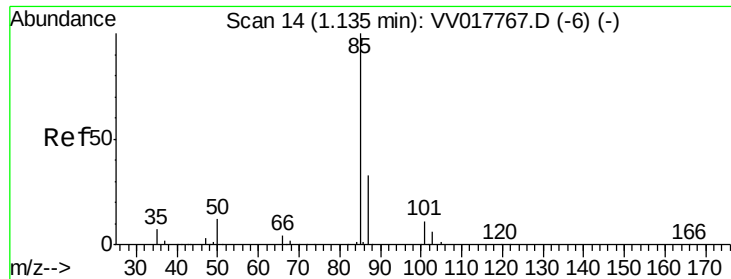
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV073120\
 Data File : VV017788.D
 Acq On : 31 Jul 2020 20:47
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00544

Quant Time: Aug 01 04:53:25 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR072320WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Aug 01 04:42:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.27	128	23975	4.779	ug/L	86
25) Chloroform	4.40	83	102890	5.043	ug/L	99
27) 1,2-Dichloroethane	5.16	62	69830	5.278	ug/L	95
29) 1,1,1-Trichloroethane	4.63	97	106162	5.417	ug/L	98
30) Cyclohexane	4.70	56	66516	4.283	ug/L	88
31) Carbon tetrachloride	4.85	117	97845	5.612	ug/L	99
33) Benzene	5.12	78	190289	4.799	ug/L	100
34) Trichloroethene	5.94	95	54570	4.927	ug/L	98
35) Methylcyclohexane	6.15	83	76133	4.544	ug/L	97
37) 1,2-Dichloropropane	6.20	63	42445	4.555	ug/L	99
38) Bromodichloromethane	6.53	83	71722	5.232	ug/L	98
39) cis-1,3-Dichloropropene	7.05	75	66627	4.740	ug/L	98
40) 4-Methyl-2-pentanone	7.25	43	216657	42.402	ug/L	98
42) Toluene	7.41	91	217004	5.017	ug/L	99
43) 1,3,5-Trimethylbenzene	10.56	105	219335	5.431	ug/L	98
44) 1,2,4-Trimethylbenzene	10.94	105	226584	5.491	ug/L	99
46) trans-1,3-Dichloropropene	7.67	75	61483	4.872	ug/L	98
47) 1,1,2-Trichloroethane	7.86	97	31665	4.480	ug/L	89
49) Tetrachloroethene	8.00	164	50047	5.125	ug/L	94
50) 2-Hexanone	8.16	43	158351	43.799	ug/L	97
51) Dibromochloromethane	8.27	129	45490	5.057	ug/L	100
52) 1,2-Dibromoethane	8.38	107	30507	4.574	ug/L	96
53) Chlorobenzene	8.90	112	144123	4.997	ug/L	99
54) Ethylbenzene	9.03	91	248584	5.133	ug/L	100
55) m,p-xylene	9.16	106	95726	5.248	ug/L	95
56) o-xylene	9.56	106	90639	5.121	ug/L	97
57) Styrene	9.58	104	157397	5.329	ug/L	98
58) Isopropylbenzene	9.95	105	258492	5.294	ug/L	99
60) 1,1,2,2-Tetrachloroethane	10.26	83	32936	4.277	ug/L	99
62) Bromoform	9.75	173	27441	5.404	ug/L	96
63) 1,3-Dichlorobenzene	11.20	146	129438	5.067	ug/L	99
64) 1,4-Dichlorobenzene	11.29	146	130262	5.081	ug/L	100
66) 1,2-Dichlorobenzene	11.67	146	115531	4.965	ug/L	99
67) 1,2-Dibromo-3-chloropropan	12.45	75	6825	4.690	ug/L	91
68) 1,3,5-Trichlorobenzene	12.67	180	105233	5.071	ug/L	97
69) 1,2,4-trichlorobenzene	13.28	180	84896	4.891	ug/L	99
70) Naphthalene	13.53	128	114875	4.747	ug/L	98
71) 1,2,3-Trichlorobenzene	13.77	180	73259	4.763	ug/L	96

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



#2

Dichlorodifluoromethane

Concen: 4.829 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

Lab File: VV017788.D

Acq: 31 Jul 2020 20:47

Instrument :

MSVOA_V

ClientSampleId :

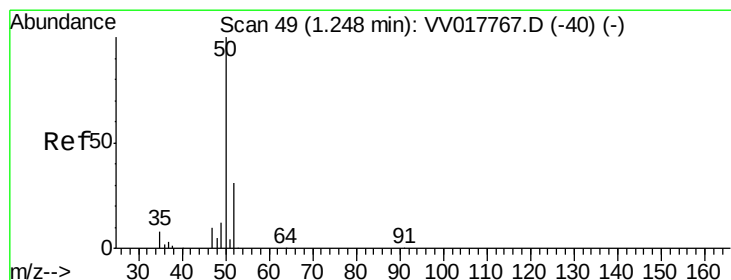
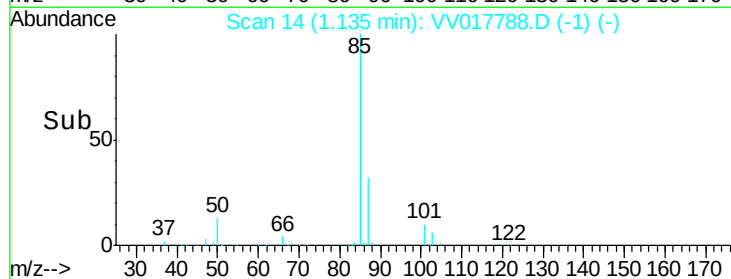
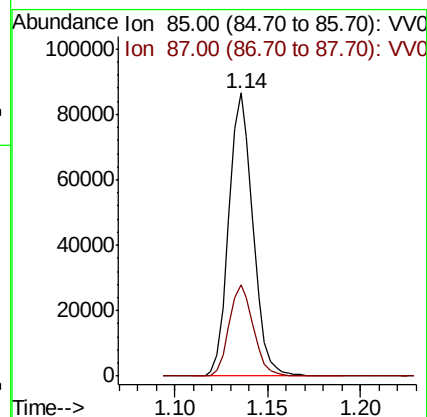
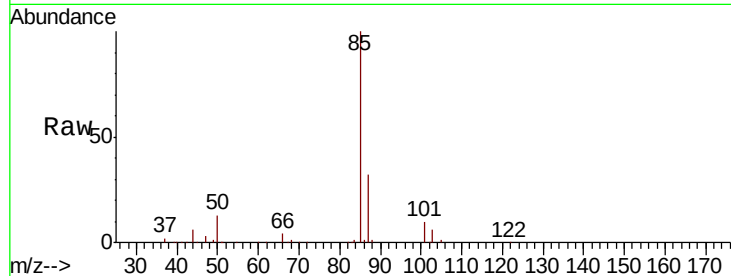
VSTD00544

Tot Ion: 85 Resp: 77968

Ion Ratio Lower Upper

85 100

87 32.4 26.4 39.6



#3

Chloromethane

Concen: 4.579 ug/L

RT: 1.25 min Scan# 49

Delta R.T. 0.00 min

Lab File: VV017788.D

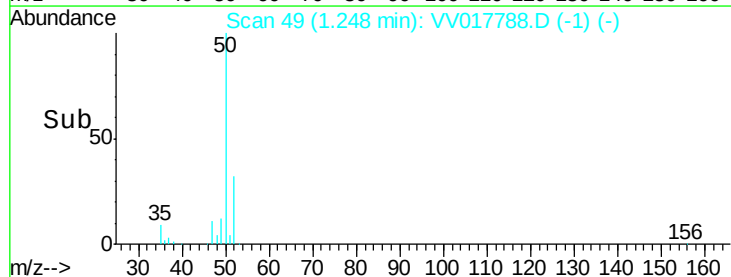
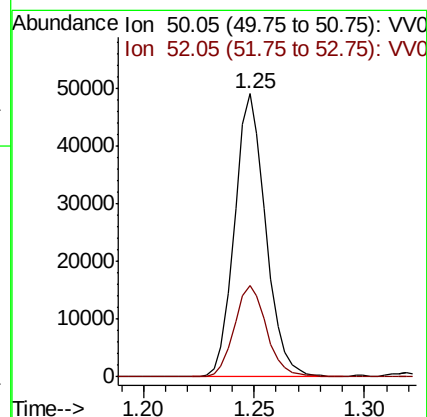
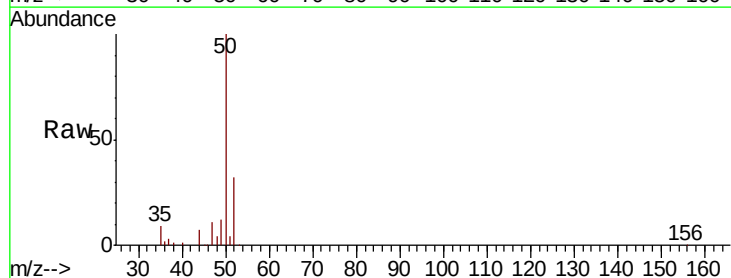
Acq: 31 Jul 2020 20:47

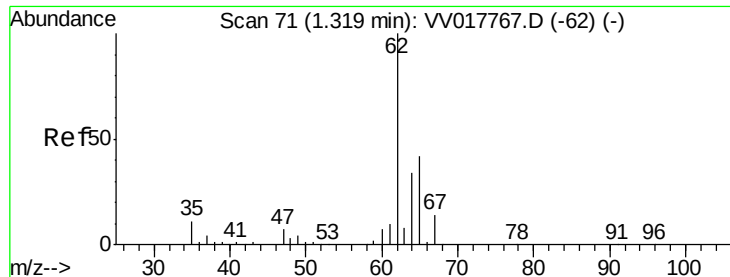
Tgt Ion: 50 Resp: 48089

Ion Ratio Lower Upper

50 100

52 32.4 25.1 46.5





#5

Vinyl chloride

Concen: 5.095 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV017788.D

Acq: 31 Jul 2020 20:47

Instrument :

MSVOA_V

ClientSampleId :

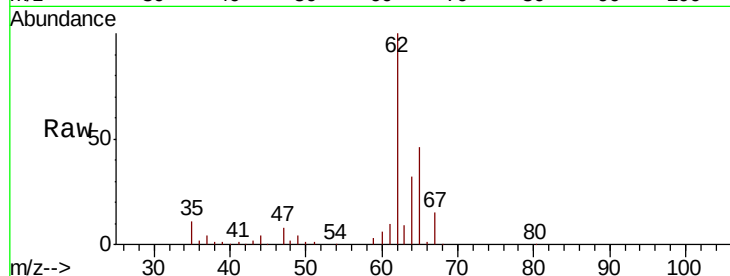
VSTD00544

Tot Ion: 62 Resp: 53628

Ion Ratio Lower Upper

62 100

64 32.4 23.0 42.8



Abundance Ion 62.00 (61.70 to 62.70): VV017767.D (-62) (-)

Ion 64.10 (63.80 to 64.80): VV017767.D (-62) (-)

1.32

60000

50000

40000

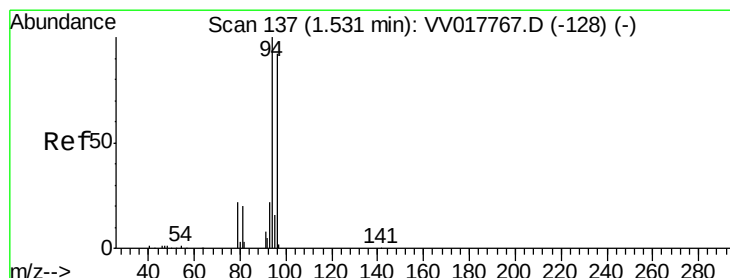
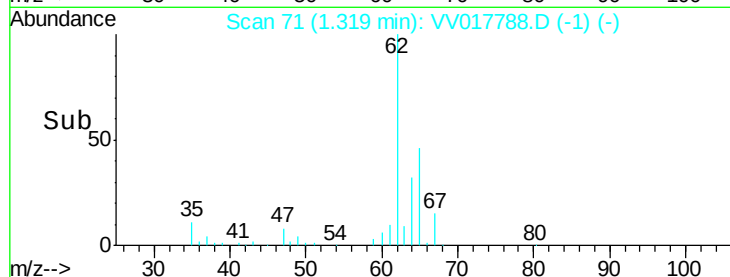
30000

20000

10000

0

Time--> 1.25 1.30 1.35



#6

Bromomethane

Concen: 4.934 ug/L

RT: 1.53 min Scan# 137

Delta R.T. 0.00 min

Lab File: VV017788.D

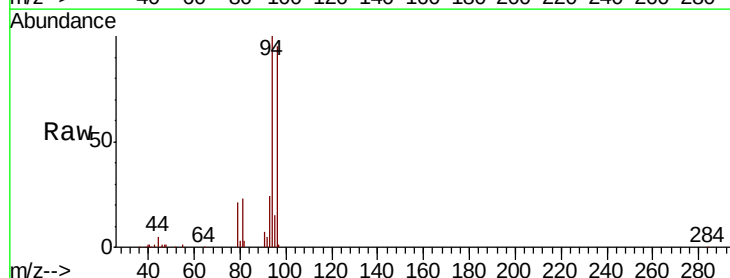
Acq: 31 Jul 2020 20:47

Tgt Ion: 94 Resp: 33379

Ion Ratio Lower Upper

94 100

96 95.0 65.9 122.5



Abundance Ion 94.00 (93.70 to 94.70): VV017767.D (-128) (-)

Ion 96.00 (95.70 to 96.70): VV017767.D (-128) (-)

1.53

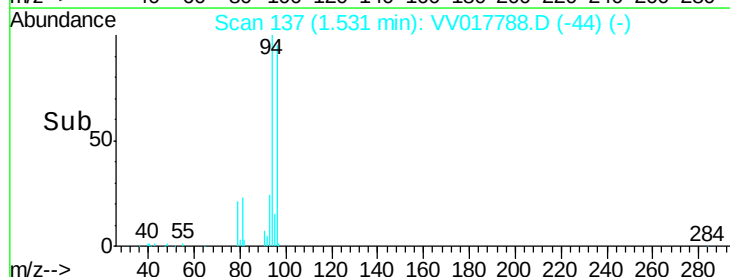
30000

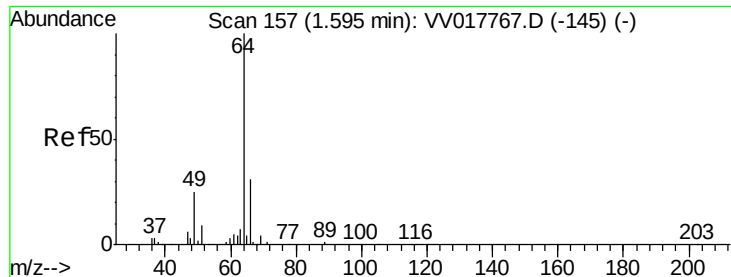
20000

10000

0

Time--> 1.50 1.55 1.60





#8

Chloroethane

Concen: 5.356 ug/L

RT: 1.60 min Scan# 157

Delta R.T. 0.00 min

Lab File: VV017788.D

Acq: 31 Jul 2020 20:47

Instrument :

MSVOA_V

ClientSampleId :

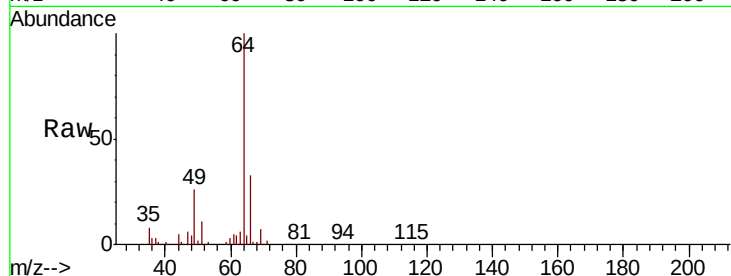
VSTD00544

Tot Ion: 64 Resp: 32545

Ion Ratio Lower Upper

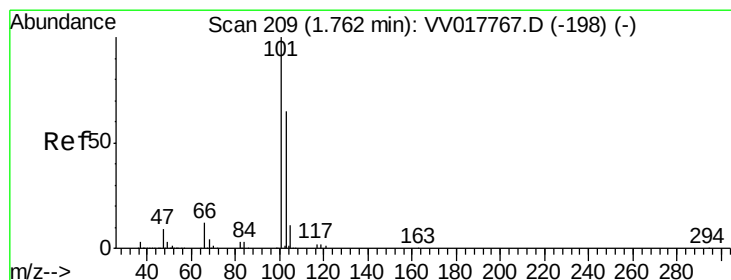
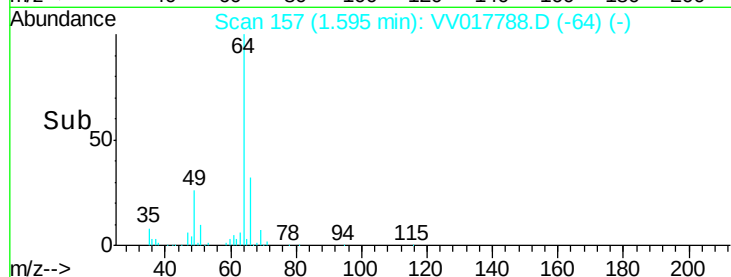
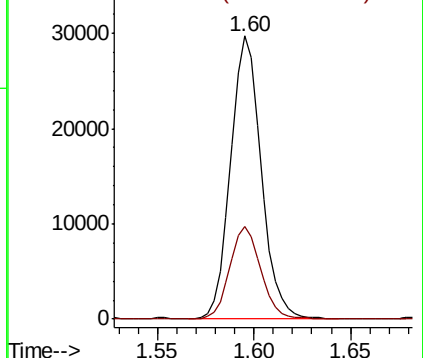
64 100

66 32.8 24.0 44.6



Abundance Ion 64.10 (63.80 to 64.80): VV017767.D (-145) (-)

Ion 66.05 (65.75 to 66.75): VV017767.D (-145) (-)



#9

Trichlorofluoromethane

Concen: 5.902 ug/L

RT: 1.77 min Scan# 210

Delta R.T. 0.00 min

Lab File: VV017788.D

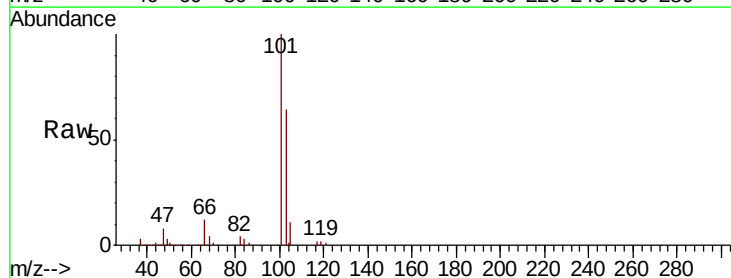
Acq: 31 Jul 2020 20:47

Tgt Ion: 101 Resp: 111122

Ion Ratio Lower Upper

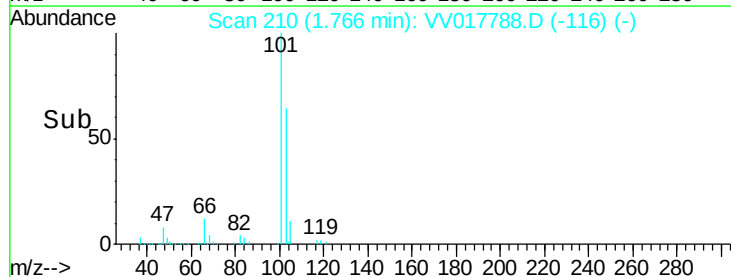
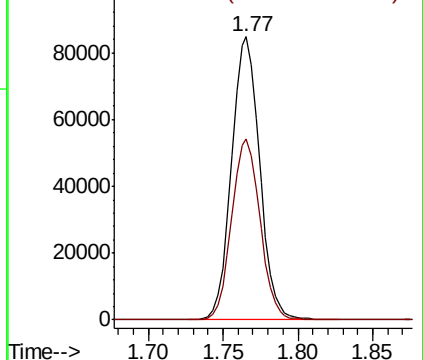
101 100

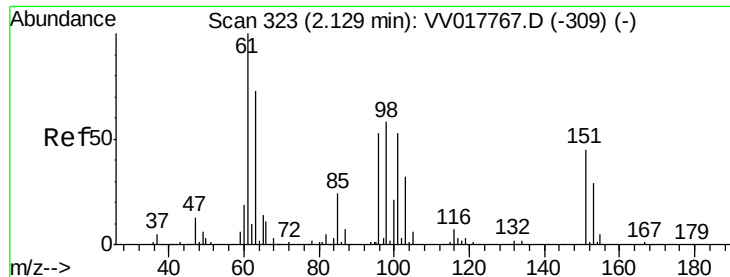
103 64.7 51.7 77.5



Abundance Ion 101.00 (100.70 to 101.70): VV017767.D (-198) (-)

Ion 103.00 (102.70 to 103.70): VV017767.D (-198) (-)





#10

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

Concen: 5.318 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV017788.D

Acq: 31 Jul 2020 20:47

Instrument :

MSVOA_V

ClientSampled :

VSTD00544

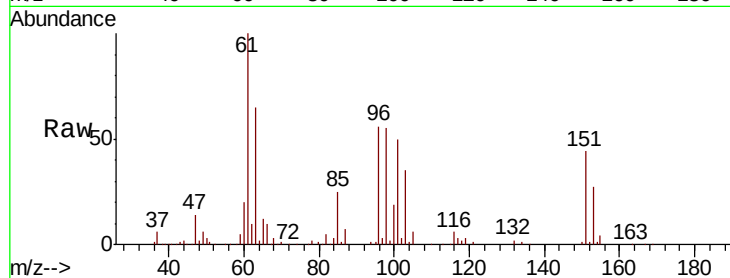
Tot Ion:101 Resp: 46755

Ion Ratio Lower Upper

101 100

85 47.1 34.6 51.8

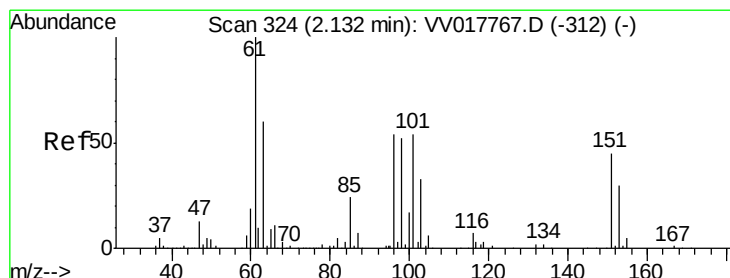
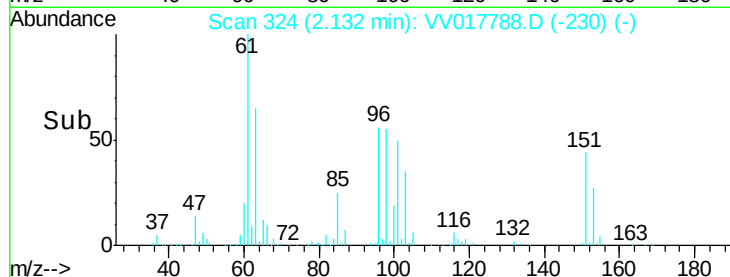
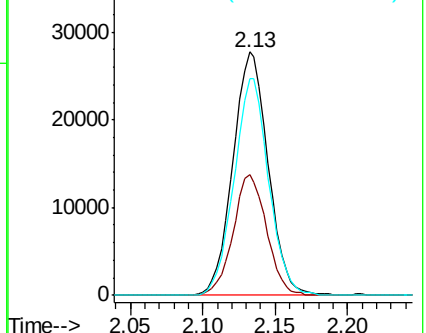
151 87.8 63.5 95.3



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 5.851 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV017788.D

Acq: 31 Jul 2020 20:47

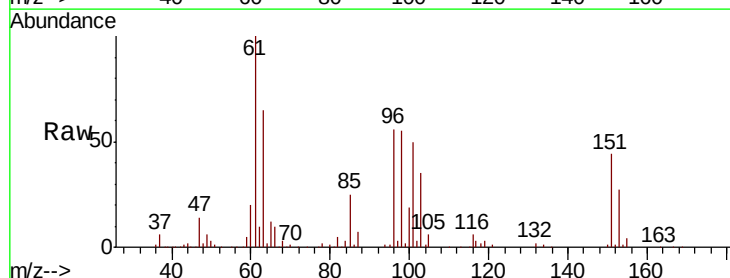
Tgt Ion: 96 Resp: 46420

Ion Ratio Lower Upper

96 100

61 180.1 123.1 228.7

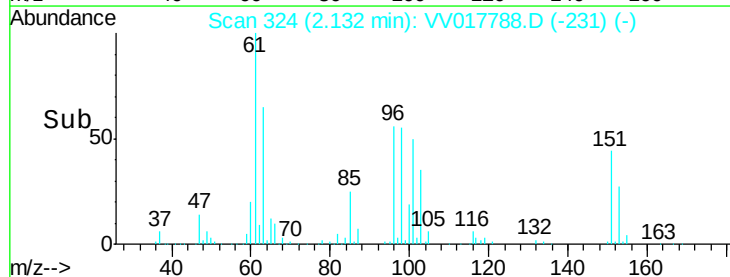
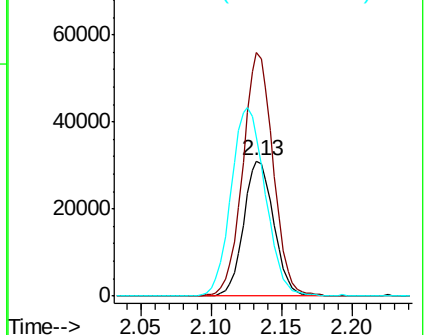
63 117.6 91.2 169.4

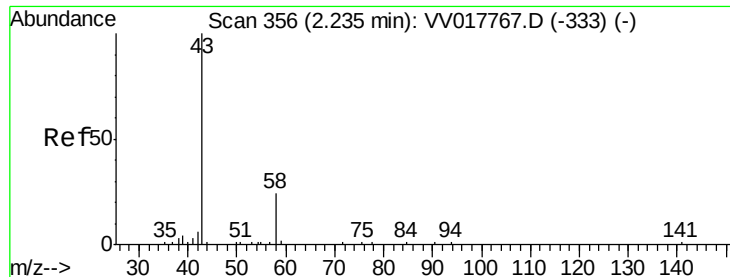


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 50.969 ug/L

RT: 2.21 min Scan# 347

Delta R.T. -0.03 min

Lab File: VV017788.D

Acq: 31 Jul 2020 20:47

Instrument :

MSVOA_V

ClientSampleId :

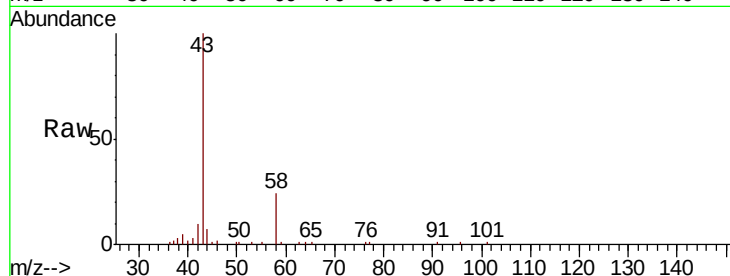
VSTD00544

Tot Ion: 43 Resp: 67153

Ion Ratio Lower Upper

43 100

58 25.8 0.0 18.6#



Abundance Ion 43.05 (42.75 to 43.75): VV017767.D (-333) (-)

Ion 58.05 (57.75 to 58.75): VV017767.D (-333) (-)

2.21

20000

15000

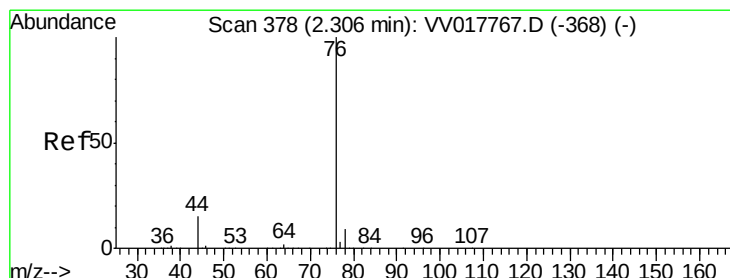
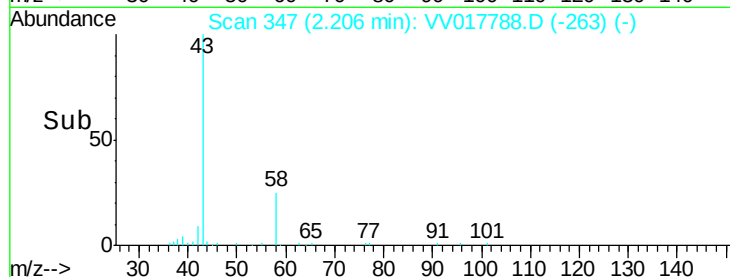
10000

5000

0

Time-->

2.10 2.20 2.30



#14

Carbon disulfide

Concen: 5.209 ug/L

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VV017788.D

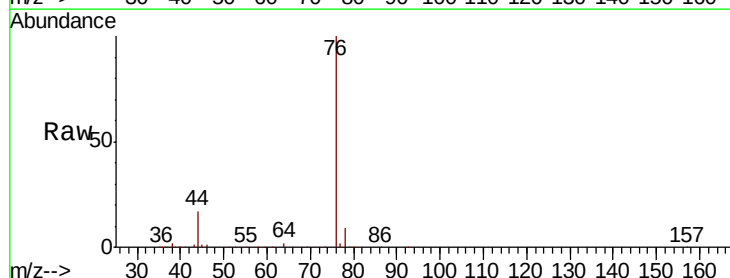
Acq: 31 Jul 2020 20:47

Tgt Ion: 76 Resp: 125647

Ion Ratio Lower Upper

76 100

78 9.3 6.6 10.0



Abundance Ion 76.05 (75.75 to 76.75): VV017767.D (-368) (-)

Ion 78.00 (77.70 to 78.70): VV017767.D (-368) (-)

2.31

100000

80000

60000

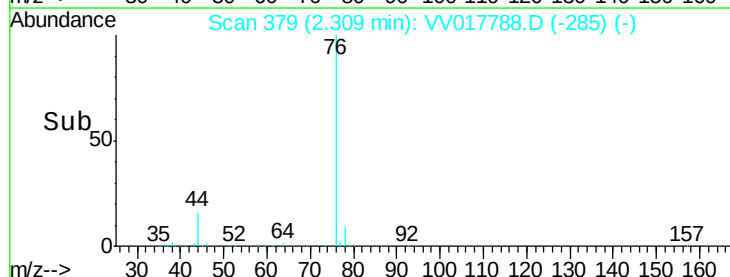
40000

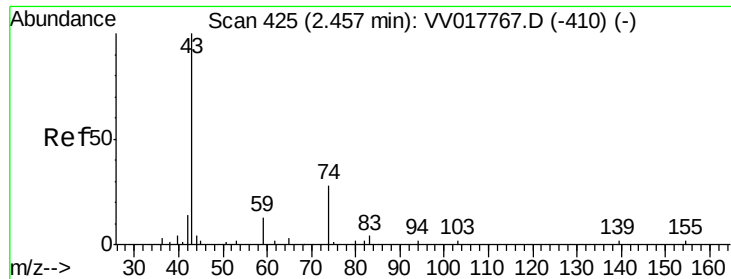
20000

0

Time-->

2.25 2.30 2.35

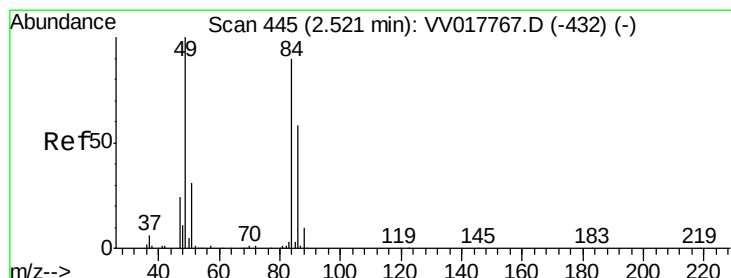
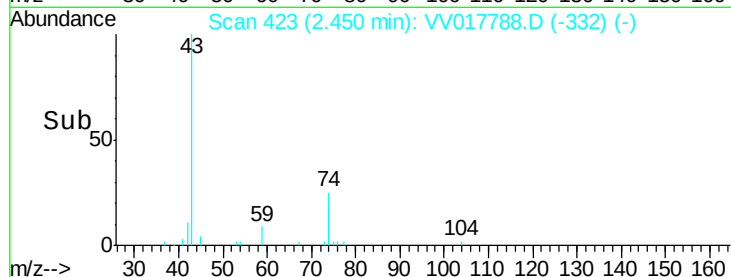
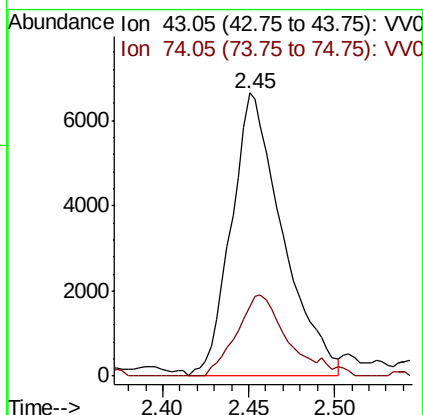
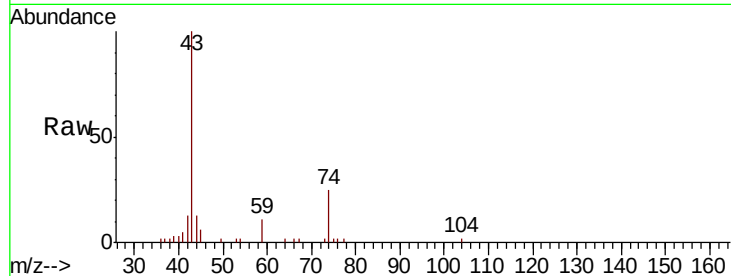




#15
Methvl Acetate
Concen: 5.380 ug/L
RT: 2.45 min Scan# 423
Delta R.T. -0.01 min
Lab File: VV017788.D
Acq: 31 Jul 2020 20:47

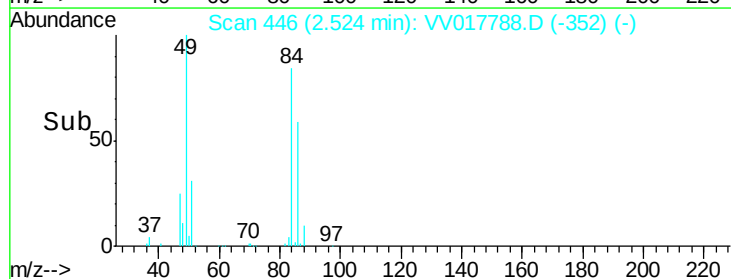
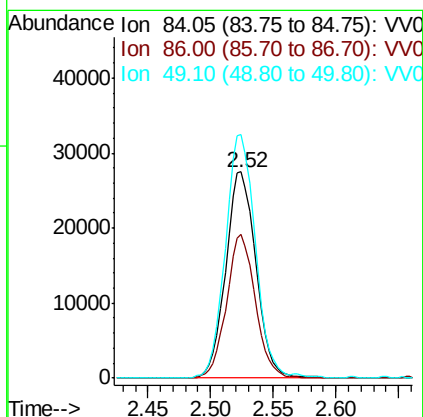
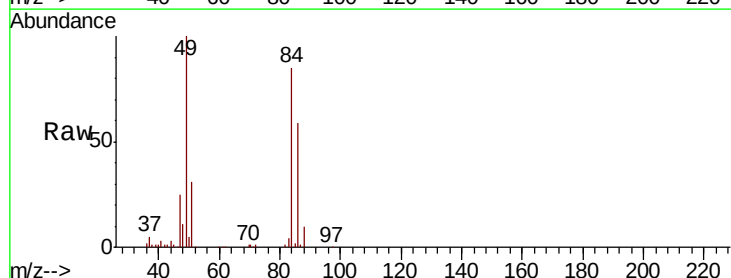
Instrument :
MSVOA_V
ClientSampleId :
VSTD00544

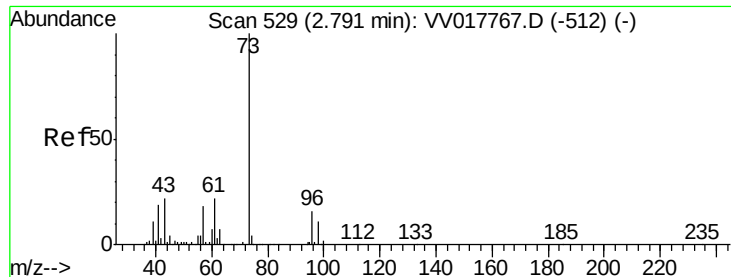
Tot Ion: 43 Resp: 13794
Ion Ratio Lower Upper
43 100
74 28.8 26.6 40.0



#16
Methylene chloride
Concen: 5.211 ug/L
RT: 2.52 min Scan# 446
Delta R.T. 0.00 min
Lab File: VV017788.D
Acq: 31 Jul 2020 20:47

Tgt Ion: 84 Resp: 46001
Ion Ratio Lower Upper
84 100
86 69.5 46.5 86.3
49 118.0 79.2 147.2

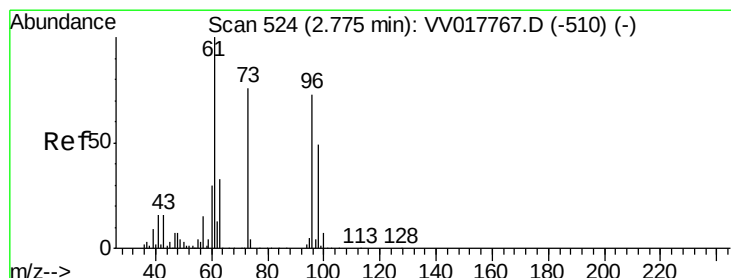
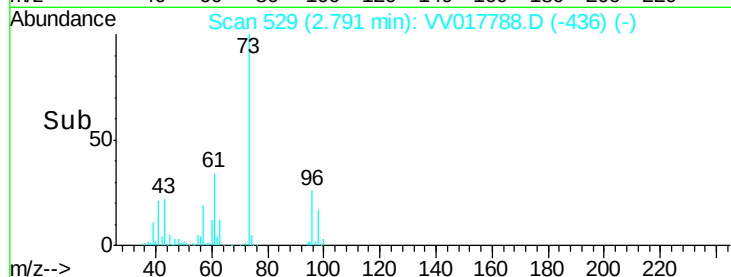
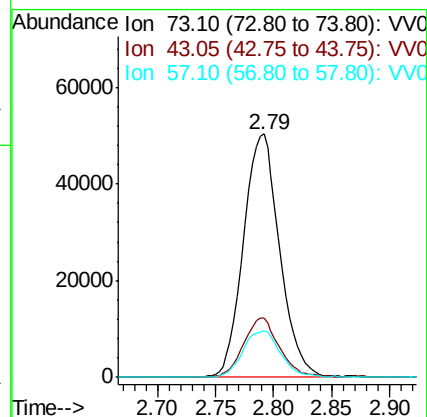
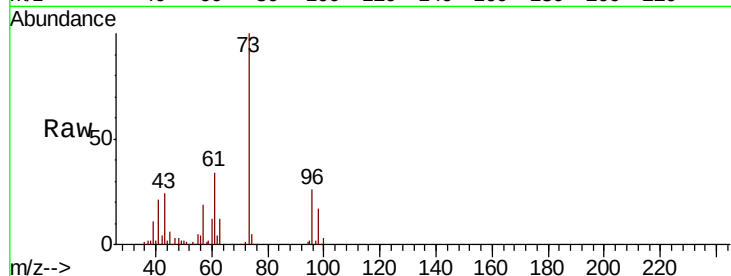




#17
Methyl tert-butyl Ether
Concen: 5.386 ug/L
RT: 2.79 min Scan# 529
Delta R.T. 0.00 min
Lab File: VV017788.D
Acq: 31 Jul 2020 20:47

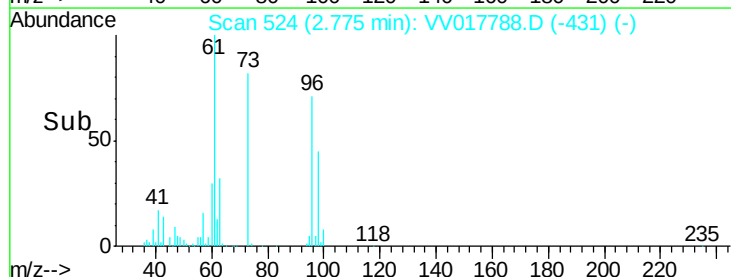
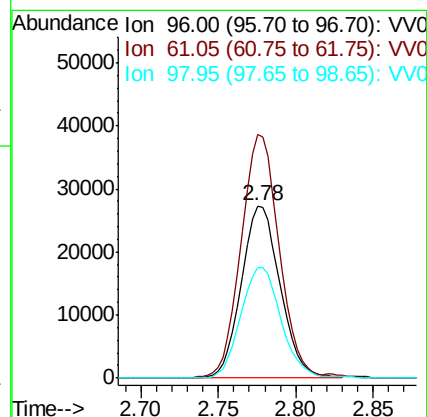
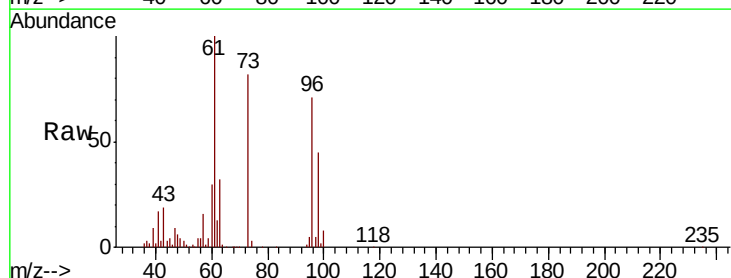
Instrument :
MSVOA_V
ClientSampleId :
VSTD00544

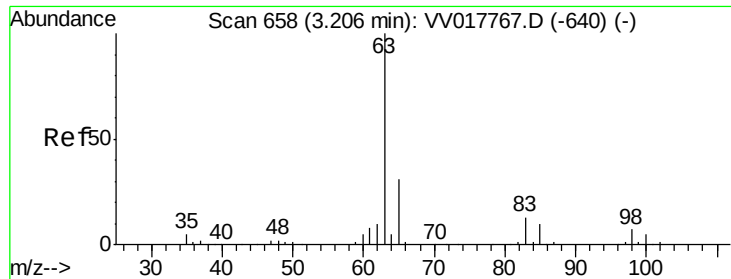
Tot Ion: 73 Resp: 109522
Ion Ratio Lower Upper
73 100
43 23.4 18.3 27.5
57 19.9 16.7 25.1



#18
trans-1,2-Dichloroethene
Concen: 5.518 ug/L
RT: 2.78 min Scan# 524
Delta R.T. 0.00 min
Lab File: VV017788.D
Acq: 31 Jul 2020 20:47

Tgt Ion: 96 Resp: 47704
Ion Ratio Lower Upper
96 100
61 141.3 96.0 178.4
98 63.9 43.5 80.9

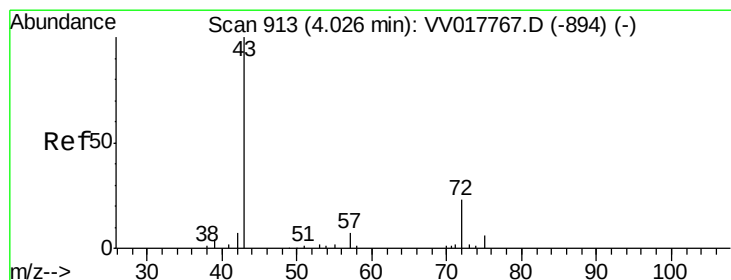
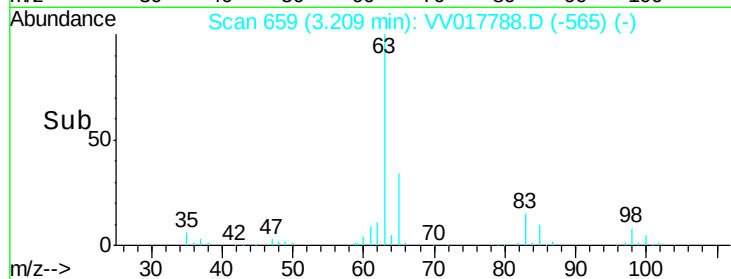
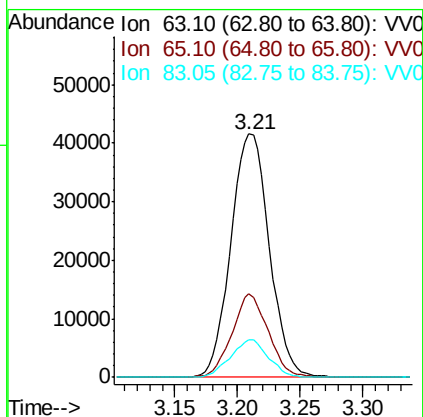
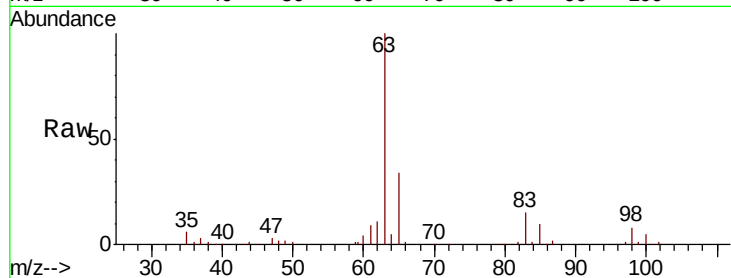




#19
 1,1-Dichloroethane
 Concen: 4.874 ug/L
 RT: 3.21 min Scan# 659
 Delta R.T. 0.00 min
 Lab File: VV017788.D
 Acq: 31 Jul 2020 20:47

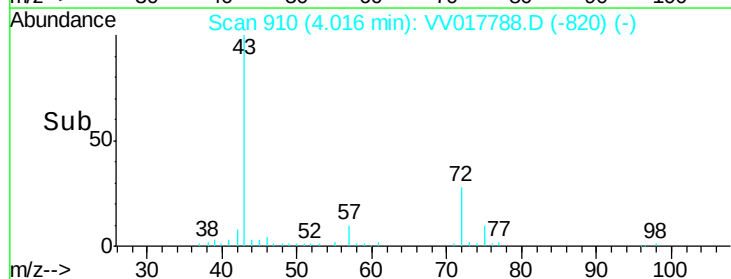
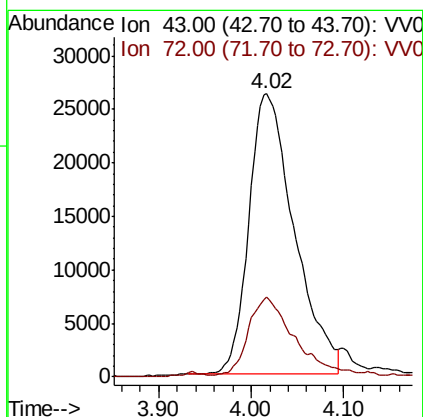
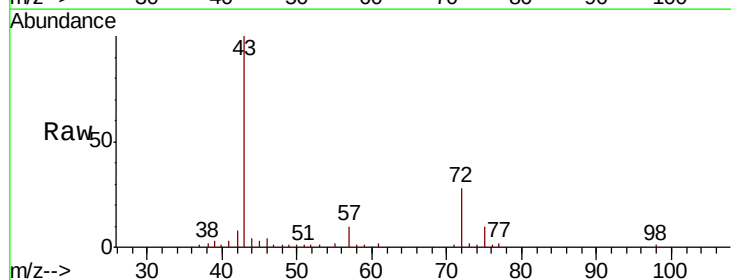
Instrument :
 MSVOA_V
 ClientSampled :
 VSTD00544

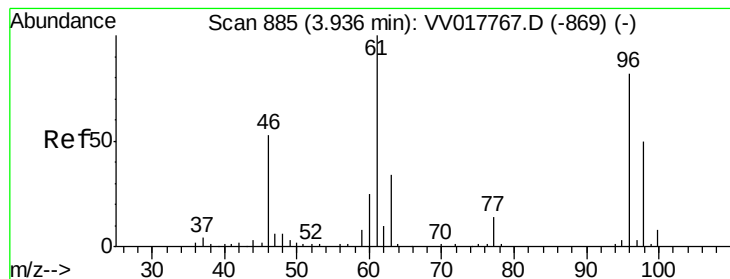
Tot Ion: 63 Resp: 88603
 Ion Ratio Lower Upper
 63 100
 65 34.4 21.4 39.8
 83 15.4 10.4 19.4



#21
 2-Butanone
 Concen: 40.309 ug/L
 RT: 4.02 min Scan# 910
 Delta R.T. -0.01 min
 Lab File: VV017788.D
 Acq: 31 Jul 2020 20:47

Tgt Ion: 43 Resp: 89677
 Ion Ratio Lower Upper
 43 100
 72 27.1 13.0 38.9





#22

cis-1,2-Dichloroethene

Concen: 4.722 ug/L

RT: 3.94 min Scan# 885

Delta R.T. 0.00 min

Lab File: VV017788.D

Acq: 31 Jul 2020 20:47

Instrument :

MSVOA_V

ClientSampleId :

VSTD00544

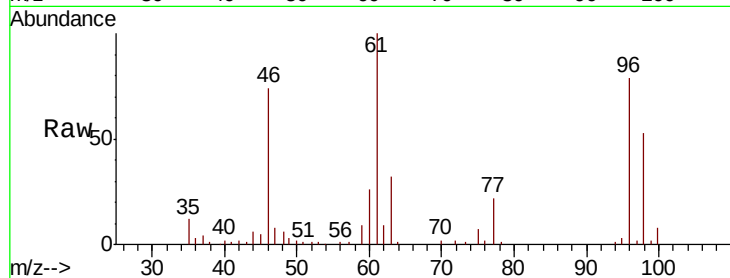
Tot Ion: 96 Resp: 51412

Ion Ratio Lower Upper

96 100

61 126.9 89.6 166.4

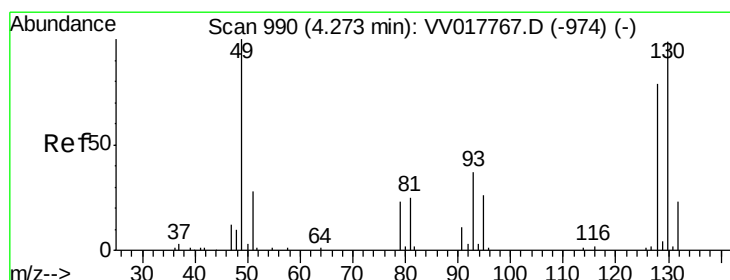
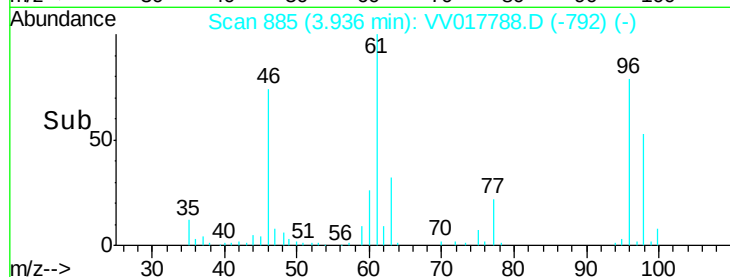
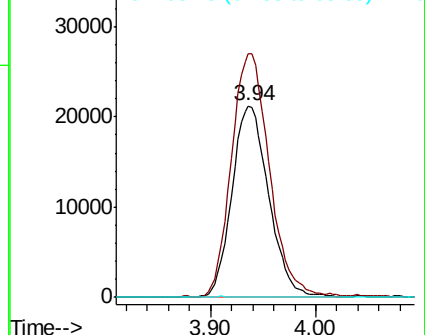
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VV017767.D (-869) (-)

Ion 61.05 (60.75 to 61.75): VV017767.D (-869) (-)

Ion 68.15 (67.85 to 68.85): VV017767.D (-869) (-)



#23

Bromochloromethane

Concen: 4.779 ug/L

RT: 4.27 min Scan# 989

Delta R.T. -0.00 min

Lab File: VV017788.D

Acq: 31 Jul 2020 20:47

Tgt Ion: 128 Resp: 23975

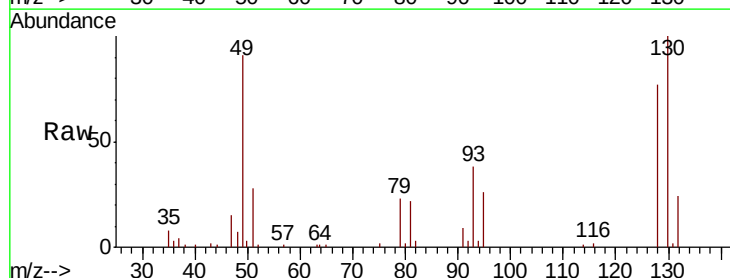
Ion Ratio Lower Upper

128 100

49 118.1 92.2 171.2

130 129.5 77.2 143.4

51 35.6 33.8 50.6

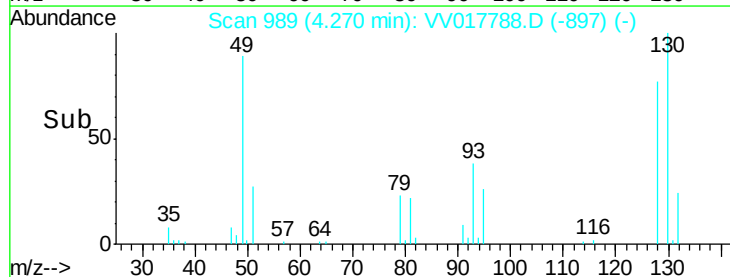
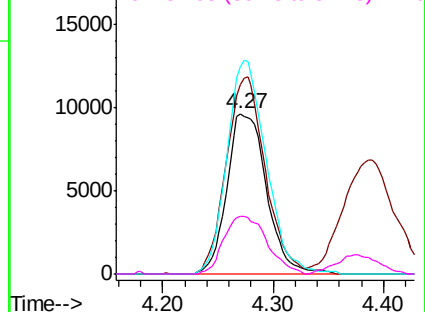


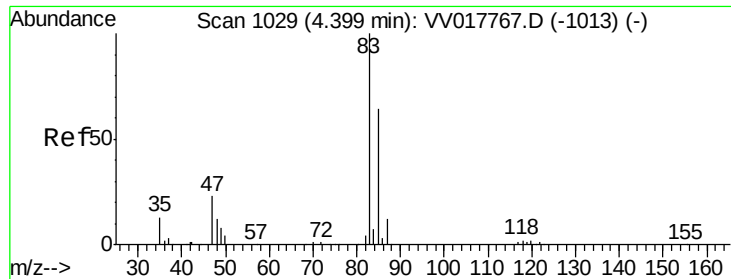
Abundance Ion 127.90 (127.60 to 128.60): VV017767.D (-974) (-)

Ion 49.10 (48.80 to 49.80): VV017767.D (-974) (-)

Ion 129.95 (129.65 to 130.65): VV017767.D (-974) (-)

Ion 51.05 (50.75 to 51.75): VV017767.D (-974) (-)

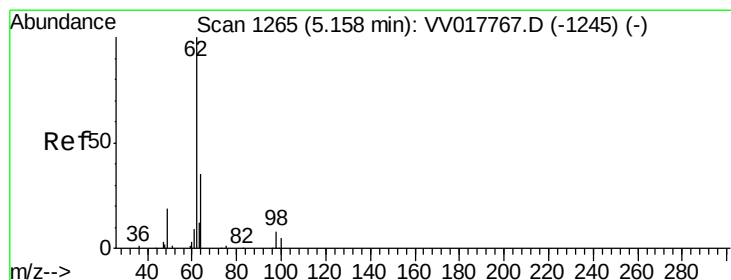
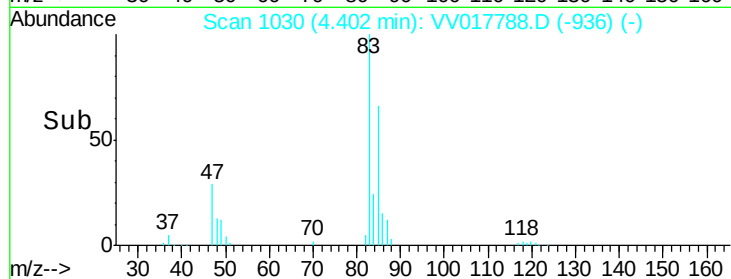
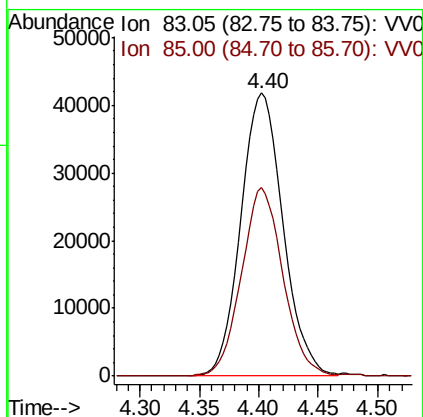
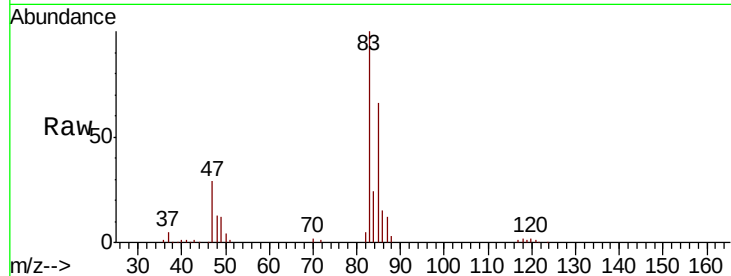




#25
Chloroform
Concen: 5.043 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VV017788.D
Acq: 31 Jul 2020 20:47

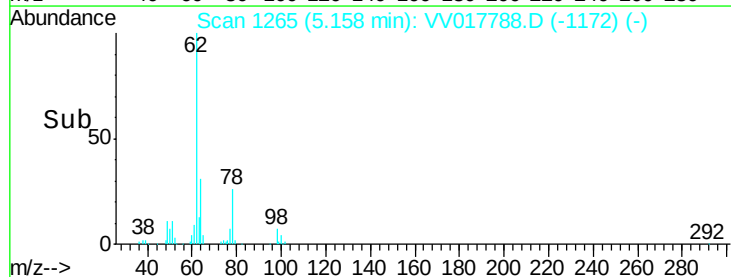
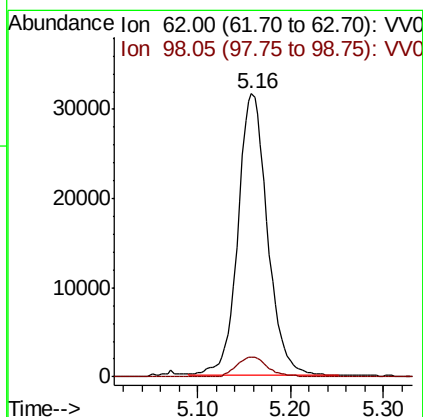
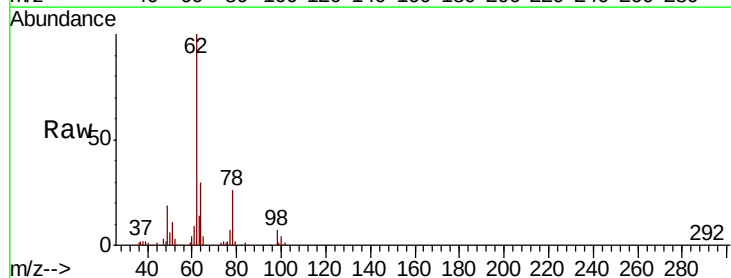
Instrument :
MSVOA_V
ClientSampleId :
VSTD00544

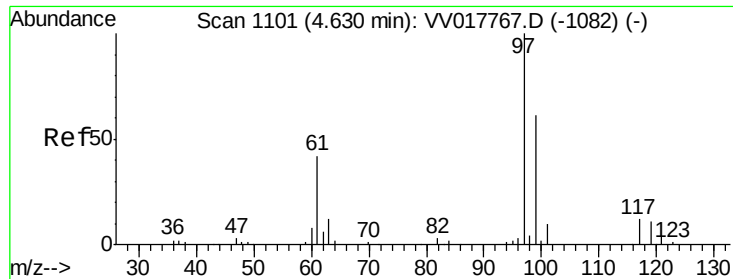
Tot Ion: 83 Resp: 102890
Ion Ratio Lower Upper
83 100
85 66.4 47.3 87.9



#27
1,2-Dichloroethane
Concen: 5.278 ug/L
RT: 5.16 min Scan# 1265
Delta R.T. 0.00 min
Lab File: VV017788.D
Acq: 31 Jul 2020 20:47

Tgt Ion: 62 Resp: 69830
Ion Ratio Lower Upper
62 100
98 7.1 7.0 10.6

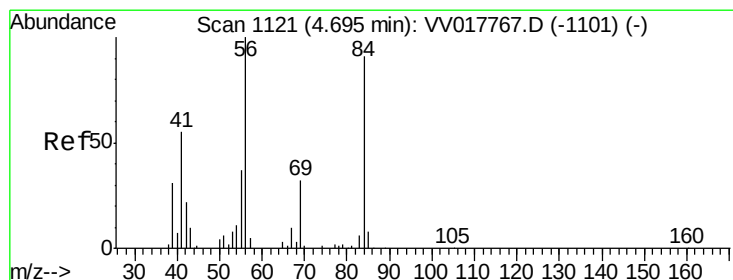
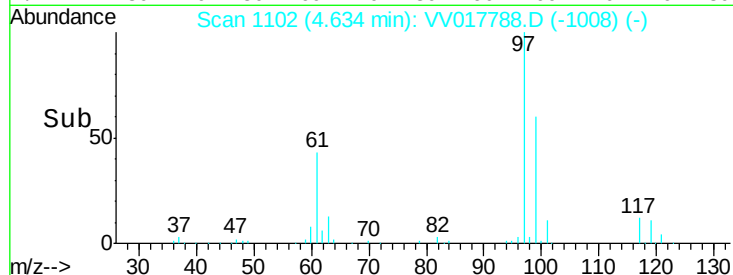
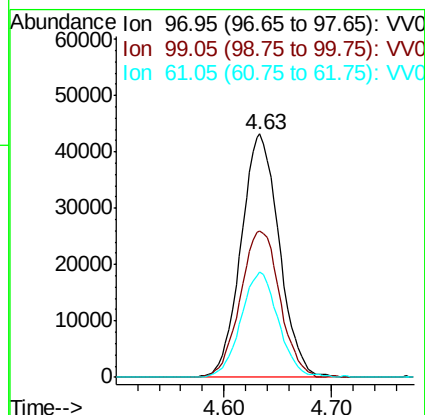
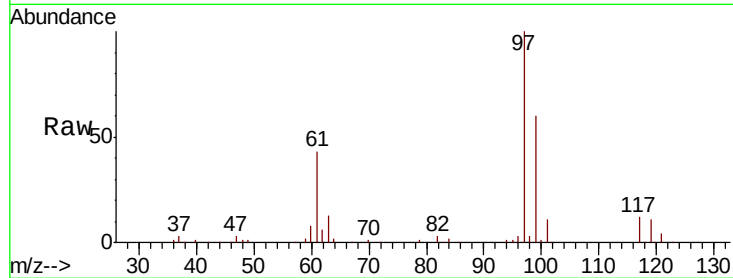




#29
 1,1,1-Trichloroethane
 Concen: 5.417 ug/L
 RT: 4.63 min Scan# 1102
 Delta R.T. 0.00 min
 Lab File: VV017788.D
 Acq: 31 Jul 2020 20:47

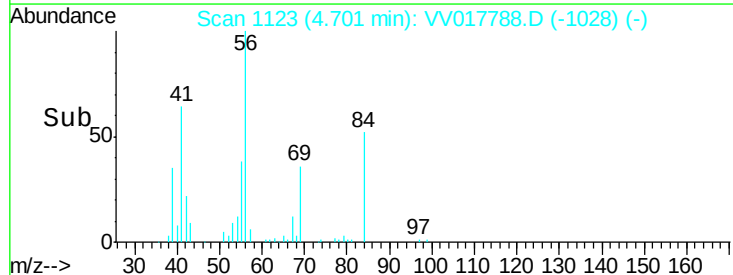
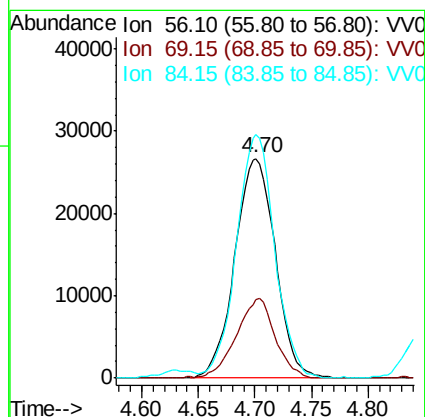
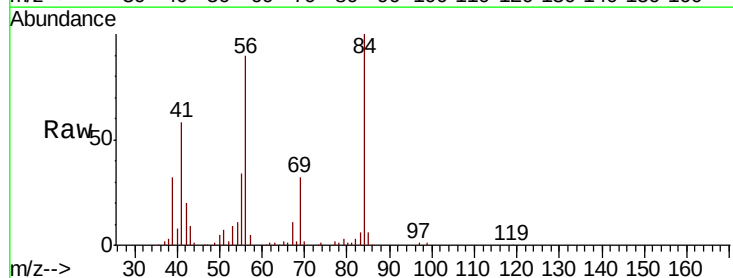
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00544

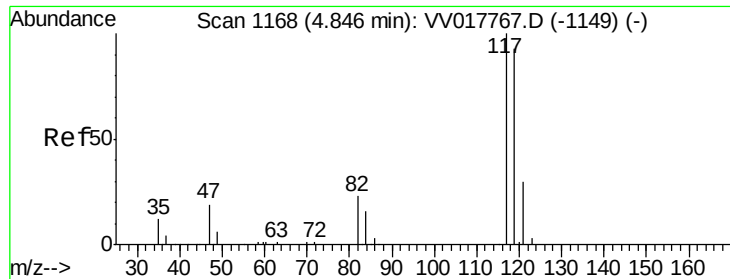
Tot Ion: 97 Resp: 106162
 Ion Ratio Lower Upper
 97 100
 99 62.2 50.6 76.0
 61 42.7 35.7 53.5



#30
 Cyclohexane
 Concen: 4.283 ug/L
 RT: 4.70 min Scan# 1123
 Delta R.T. 0.01 min
 Lab File: VV017788.D
 Acq: 31 Jul 2020 20:47

Tgt Ion: 56 Resp: 66516
 Ion Ratio Lower Upper
 56 100
 69 34.7 25.4 38.2
 84 104.8 73.0 109.4





#31

Carbon tetrachloride

Concen: 5.612 ug/L

RT: 4.85 min Scan# 1170

Delta R.T. 0.01 min

Lab File: VV017788.D

Acq: 31 Jul 2020 20:47

Instrument :

MSVOA_V

ClientSampleId :

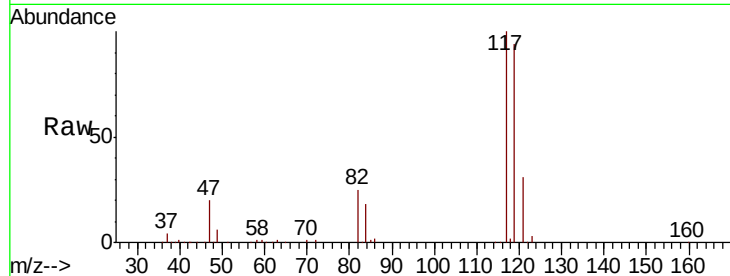
VSTD00544

Tot Ion:117 Resp: 97845

Ion Ratio Lower Upper

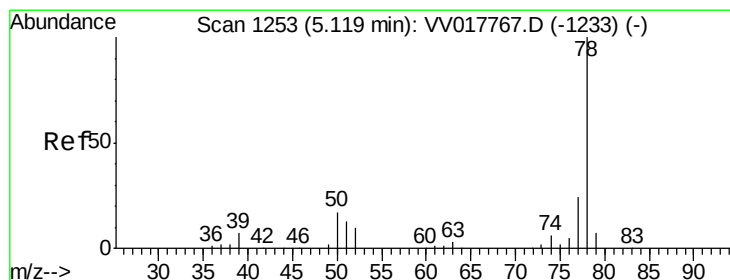
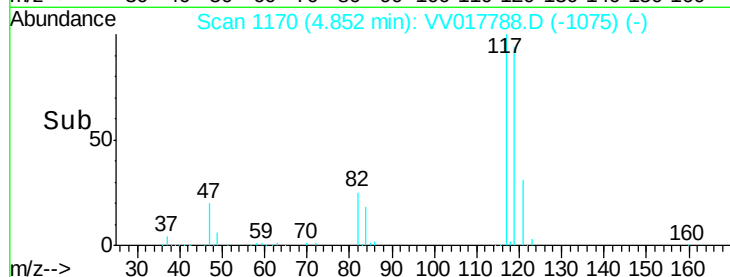
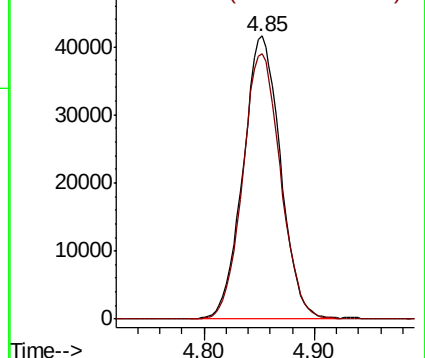
117 100

119 94.7 76.9 115.3



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 4.799 ug/L

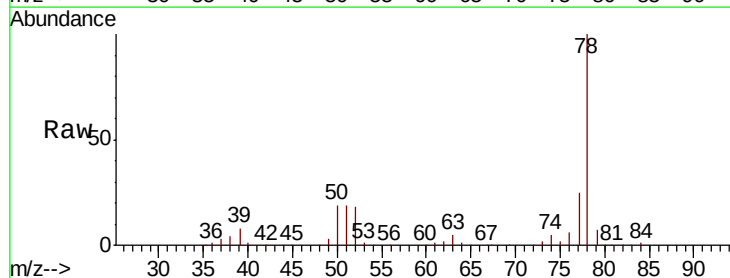
RT: 5.12 min Scan# 1254

Delta R.T. 0.00 min

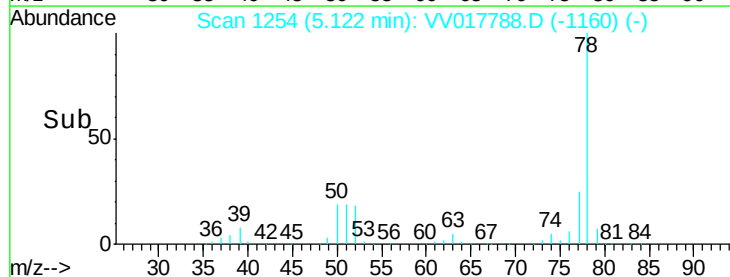
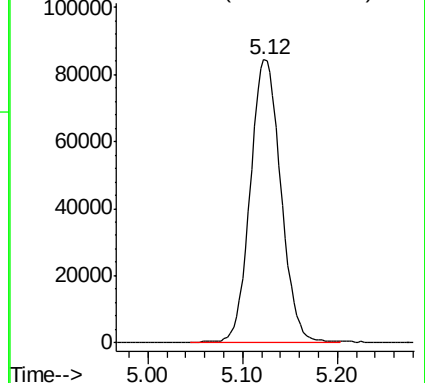
Lab File: VV017788.D

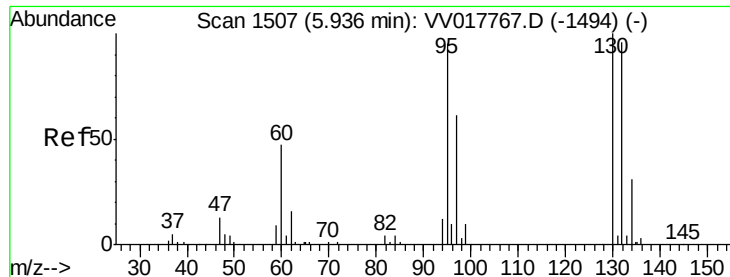
Acq: 31 Jul 2020 20:47

Tgt Ion: 78 Resp: 190289



Abundance Ion 78.10 (77.80 to 78.80): VV0

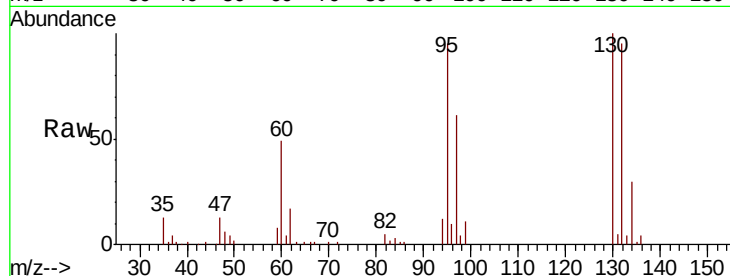




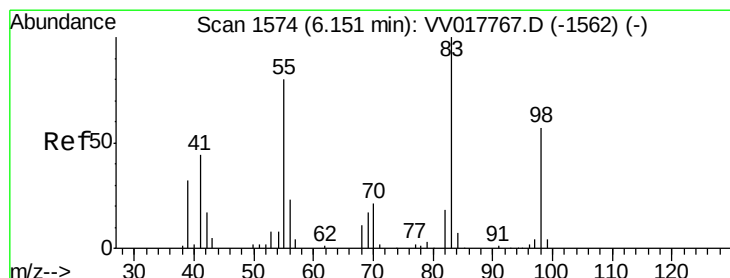
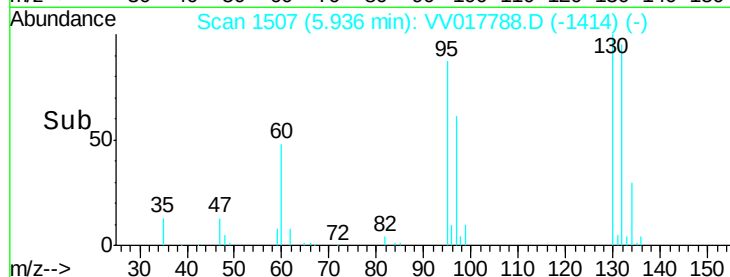
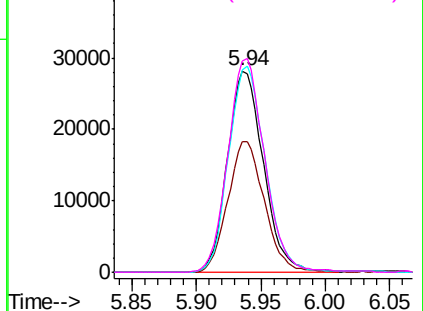
#34
 Trichloroethene
 Concen: 4.927 ug/L
 RT: 5.94 min Scan# 1507
 Delta R.T. 0.00 min
 Lab File: VV017788.D
 Acq: 31 Jul 2020 20:47

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00544

Tot Ion: 95 Resp: 54570
 Ion Ratio Lower Upper
 95 100
 97 64.5 46.1 85.5
 132 100.1 71.7 133.1
 130 104.9 74.3 137.9

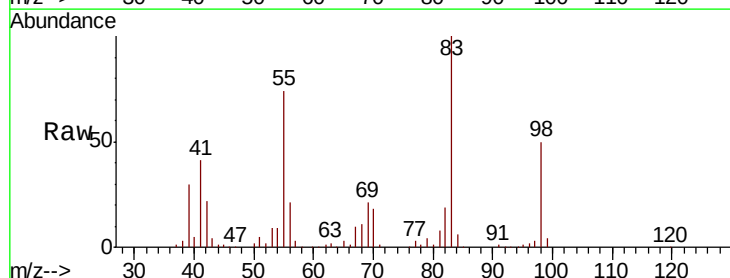


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 96.95 (96.65 to 97.65): VV0
 Ion 131.95 (131.65 to 132.65): VV0
 Ion 129.95 (129.65 to 130.65): VV0

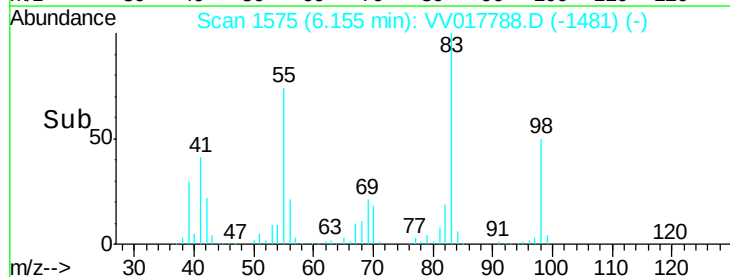
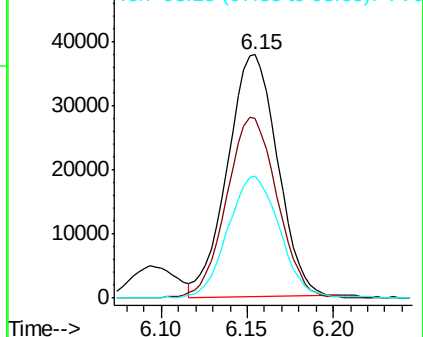


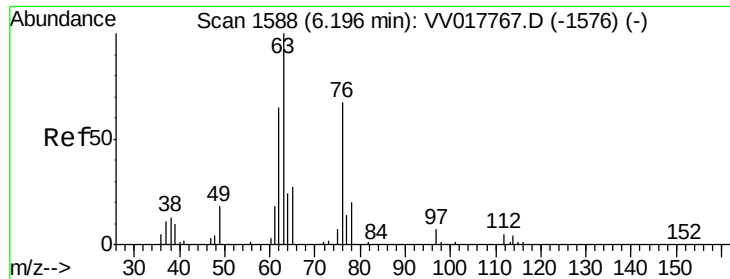
#35
 Methylcyclohexane
 Concen: 4.544 ug/L
 RT: 6.15 min Scan# 1575
 Delta R.T. 0.00 min
 Lab File: VV017788.D
 Acq: 31 Jul 2020 20:47

Tgt Ion: 83 Resp: 76133
 Ion Ratio Lower Upper
 83 100
 55 76.3 61.8 92.8
 98 52.5 39.0 58.6



Abundance Ion 83.15 (82.85 to 83.85): VV0
 Ion 55.10 (54.80 to 55.80): VV0
 Ion 98.15 (97.85 to 98.85): VV0

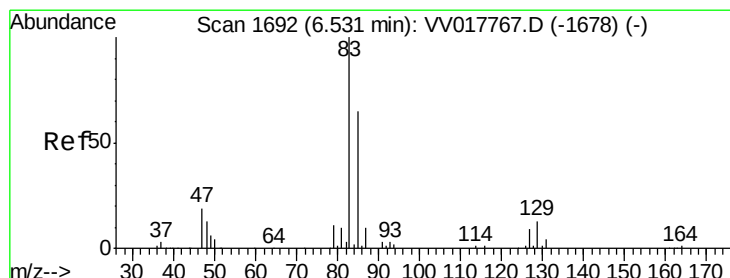
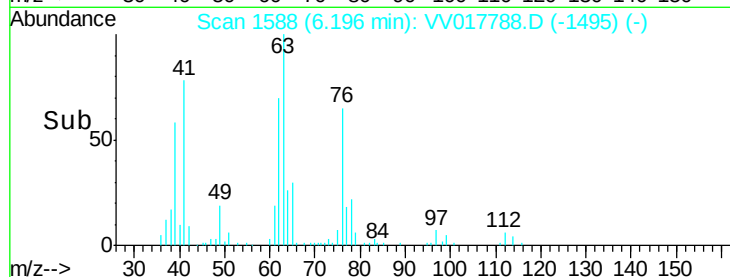
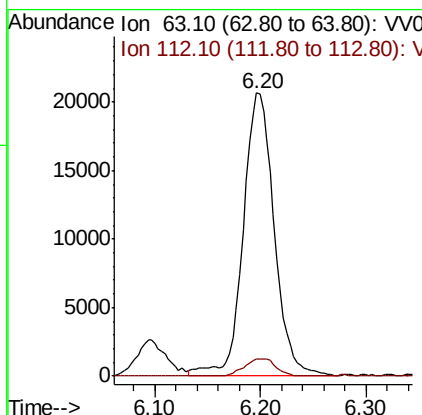
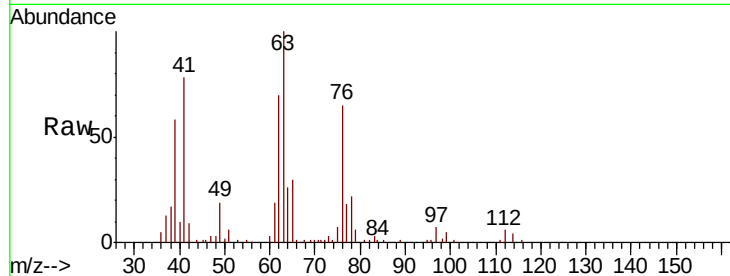




#37
 1,2-Dichloropropane
 Concen: 4.555 ug/L
 RT: 6.20 min Scan# 1588
 Delta R.T. 0.00 min
 Lab File: VV017788.D
 Acq: 31 Jul 2020 20:47

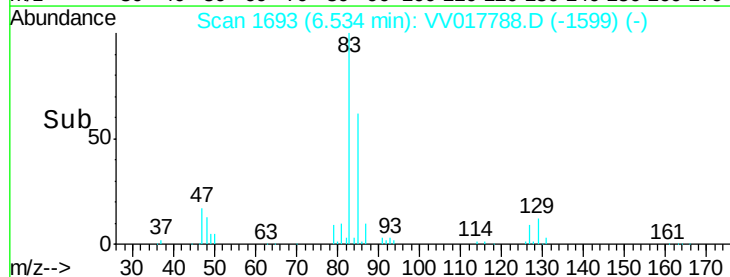
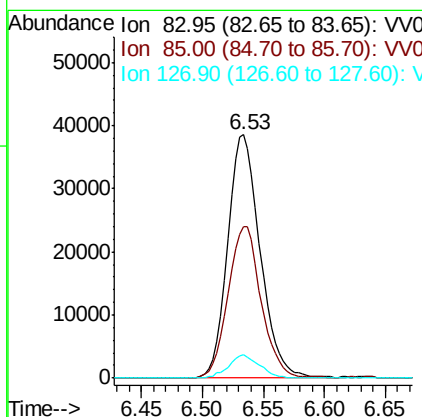
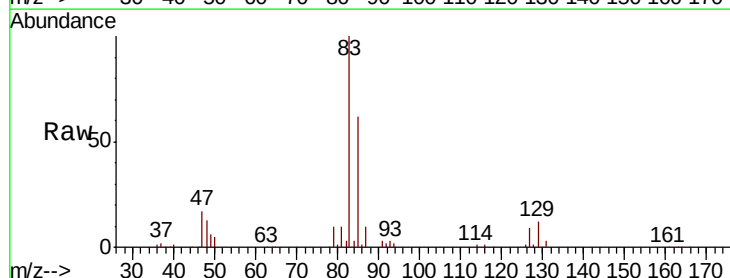
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00544

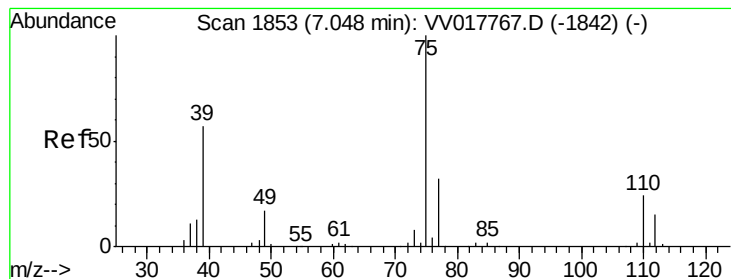
Tot Ion: 63 Resp: 42445
 Ion Ratio Lower Upper
 63 100
 112 6.0 4.5 6.7



#38
 Bromodichloromethane
 Concen: 5.232 ug/L
 RT: 6.53 min Scan# 1693
 Delta R.T. 0.00 min
 Lab File: VV017788.D
 Acq: 31 Jul 2020 20:47

Tgt Ion: 83 Resp: 71722
 Ion Ratio Lower Upper
 83 100
 85 62.1 44.7 83.1
 127 9.4 7.4 11.0





#39

cis-1,3-Dichloropropene

Concen: 4.740 ug/L

RT: 7.05 min Scan# 1853

Delta R.T. 0.00 min

Lab File: VV017788.D

Acq: 31 Jul 2020 20:47

Instrument :

MSVOA_V

ClientSampleId :

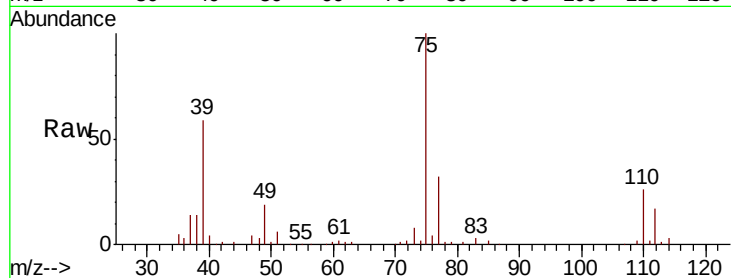
VSTD00544

Tot Ion: 75 Resp: 66627

Ion Ratio Lower Upper

75 100

77 32.0 23.2 43.2



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

7.05

40000

30000

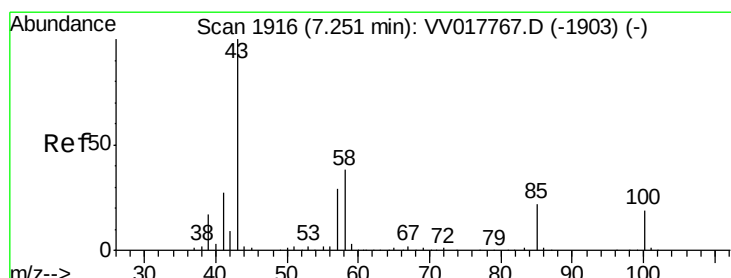
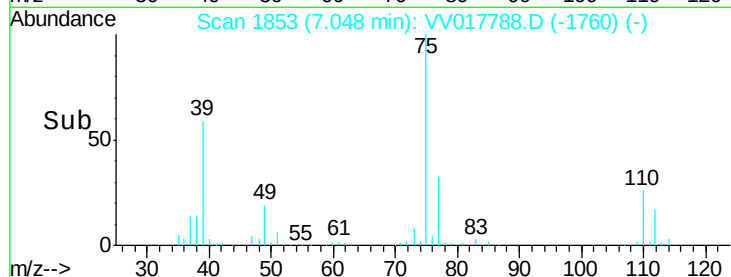
20000

10000

0

Time-->

7.00 7.10



#40

4-Methyl-2-pentanone

Concen: 42.402 ug/L

RT: 7.25 min Scan# 1916

Delta R.T. 0.00 min

Lab File: VV017788.D

Acq: 31 Jul 2020 20:47

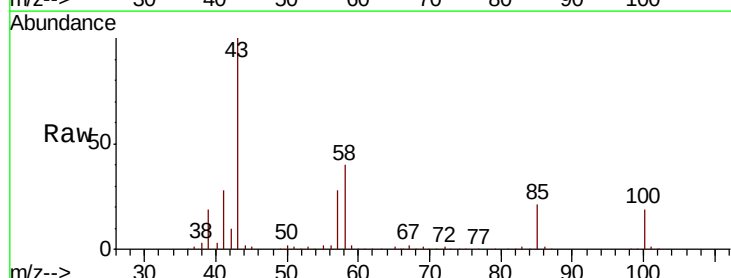
Tgt Ion: 43 Resp: 216657

Ion Ratio Lower Upper

43 100

58 40.0 31.2 46.8

100 18.7 13.6 20.4



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

Ion 100.15 (99.85 to 100.85): VV0

7.25

150000

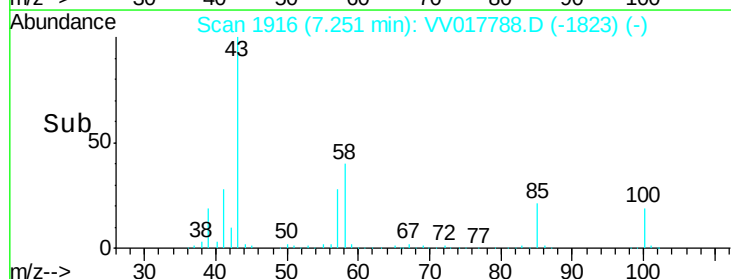
100000

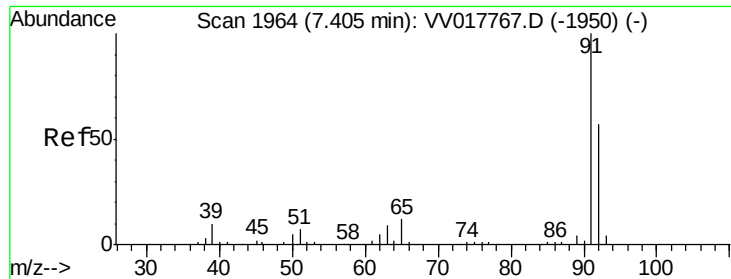
50000

0

Time-->

7.20 7.30 7.40





#42

Toluene

Concen: 5.017 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VV017788.D

Acq: 31 Jul 2020 20:47

Instrument :

MSVOA_V

ClientSampled :

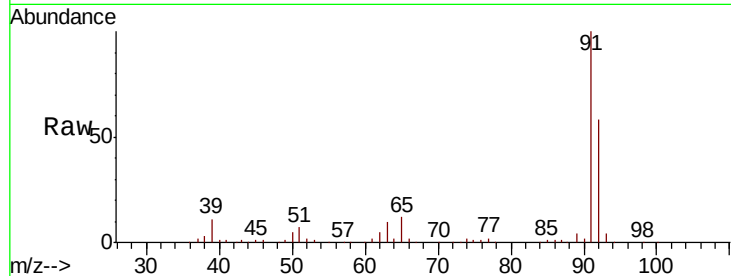
VSTD00544

Tot Ion: 91 Resp: 217004

Ion Ratio Lower Upper

91 100

92 57.8 40.8 75.8



Abundance Ion 91.15 (90.85 to 91.85): VV017767.D (-1950) (-)

Ion 92.15 (91.85 to 92.85): VV017767.D (-1950) (-)

7.41

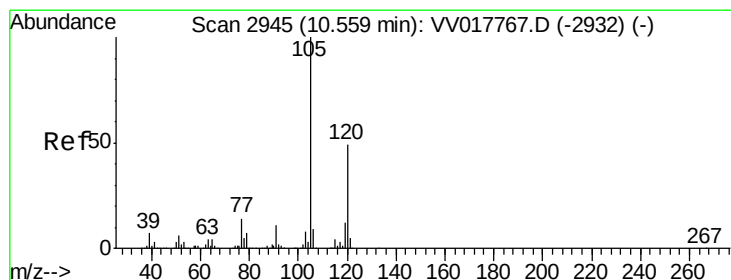
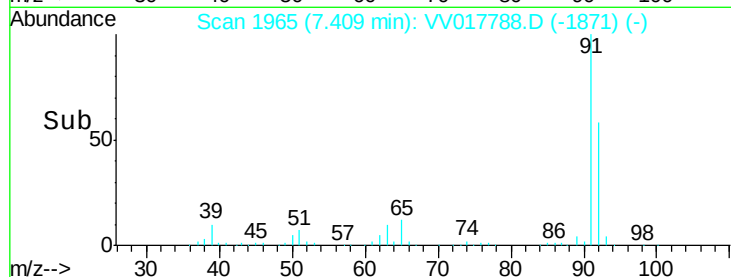
150000

100000

50000

0

Time--> 7.30 7.35 7.40 7.45 7.50



#43

1,3,5-Trimethylbenzene

Concen: 5.431 ug/L

RT: 10.56 min Scan# 2945

Delta R.T. 0.00 min

Lab File: VV017788.D

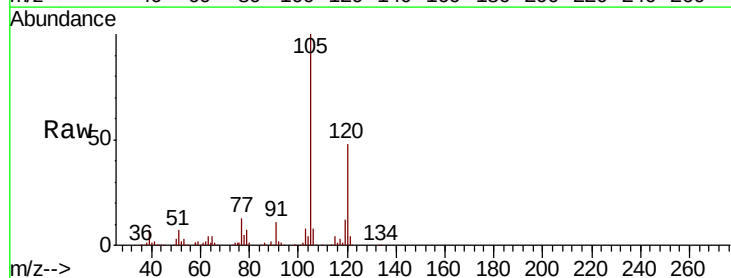
Acq: 31 Jul 2020 20:47

Tgt Ion: 105 Resp: 219335

Ion Ratio Lower Upper

105 100

120 47.7 39.4 59.2



Abundance Ion 105.00 (104.70 to 105.70): VV017767.D (-2932) (-)

Ion 120.00 (119.70 to 120.70): VV017767.D (-2932) (-)

10.56

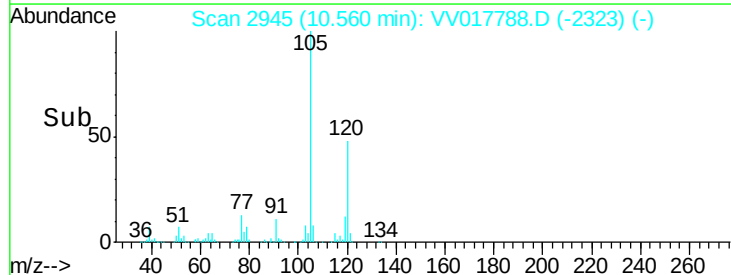
150000

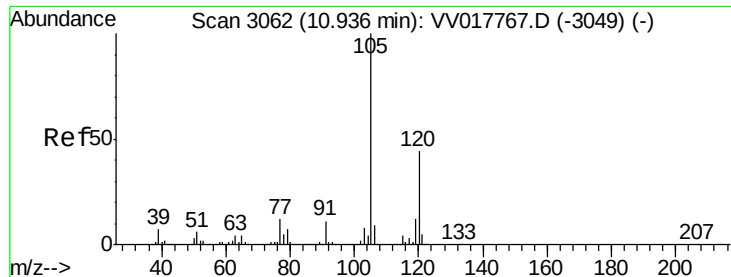
100000

50000

0

Time--> 10.50 10.55 10.60 10.70

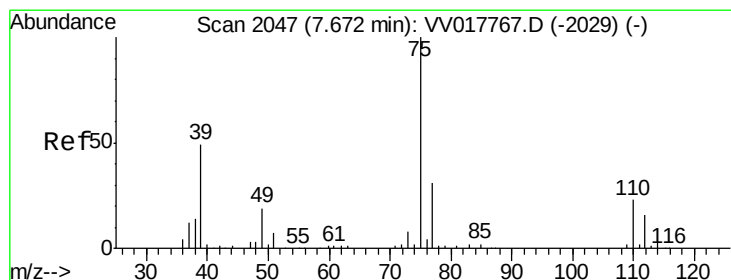
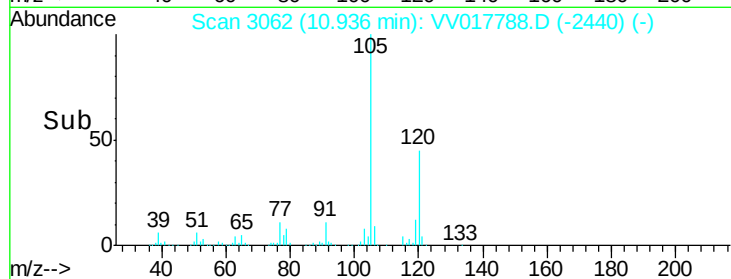
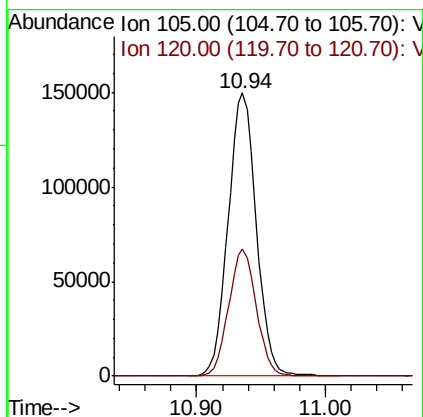
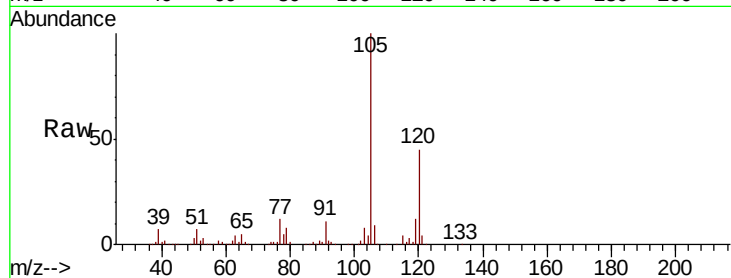




#44
1,2,4-Trimethylbenzene
Concen: 5.491 ug/L
RT: 10.94 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VV017788.D
Acq: 31 Jul 2020 20:47

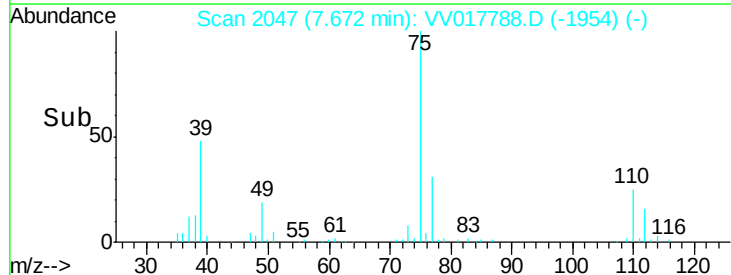
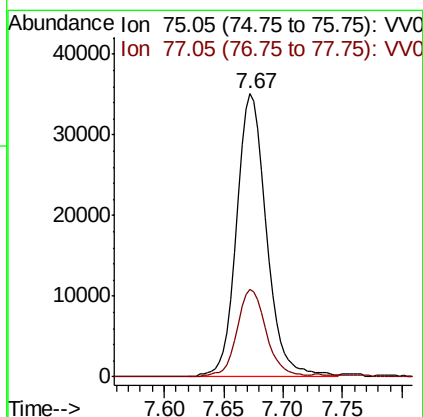
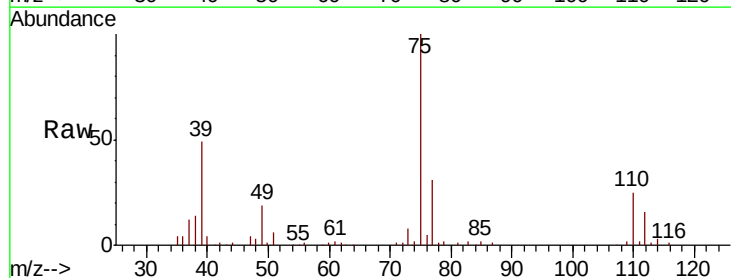
Instrument :
MSVOA_V
ClientSampleId :
VSTD00544

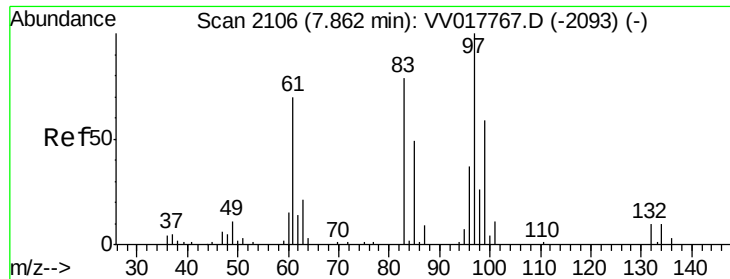
Tot Ion:105 Resp: 226584
Ion Ratio Lower Upper
105 100
120 44.2 35.9 53.9



#46
trans-1,3-Dichloropropene
Concen: 4.872 ug/L
RT: 7.67 min Scan# 2047
Delta R.T. 0.00 min
Lab File: VV017788.D
Acq: 31 Jul 2020 20:47

Tgt Ion: 75 Resp: 61483
Ion Ratio Lower Upper
75 100
77 30.8 22.5 41.7

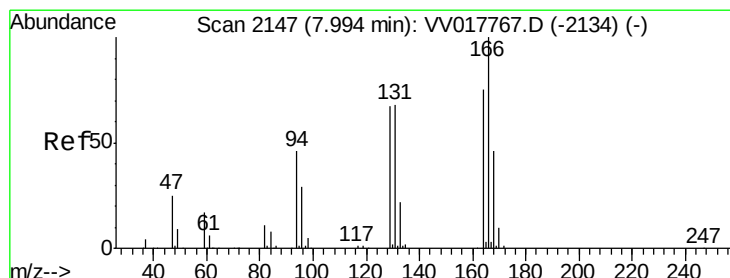
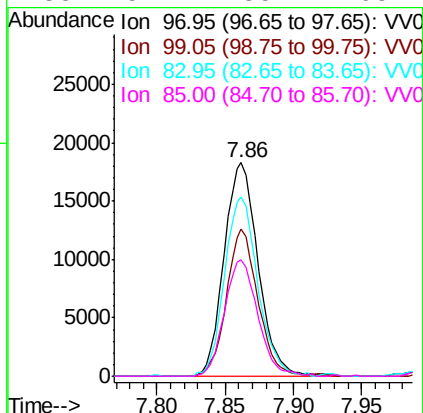
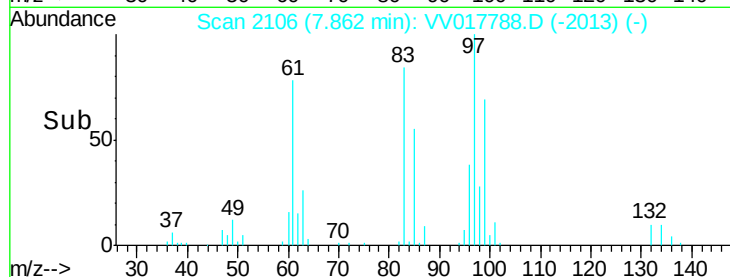
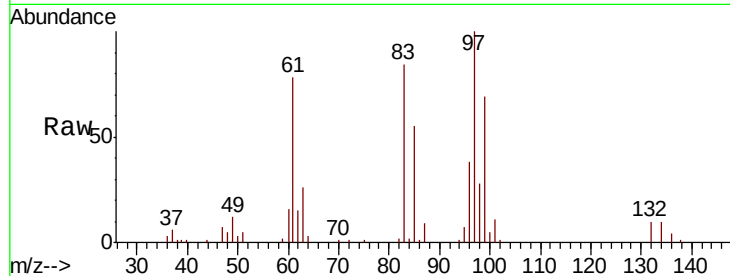




#47
1,1,2-Trichloroethane
Concen: 4.480 ug/L
RT: 7.86 min Scan# 2106
Delta R.T. 0.00 min
Lab File: VV017788.D
Acq: 31 Jul 2020 20:47

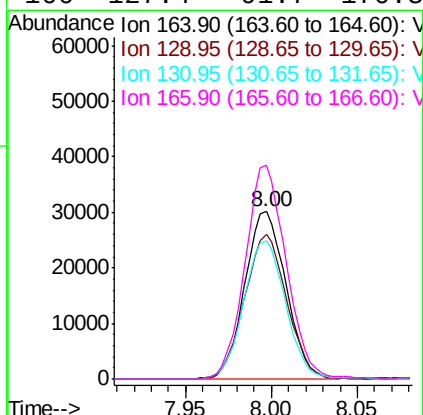
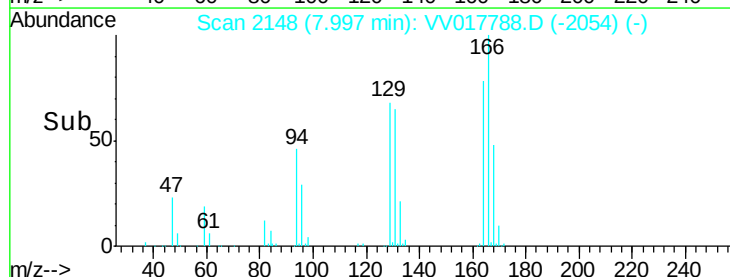
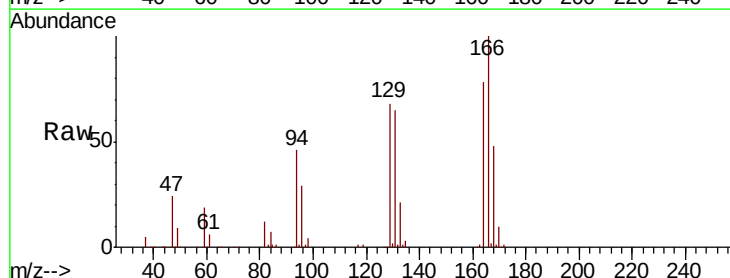
Instrument :
MSVOA_V
ClientSampled :
VSTD00544

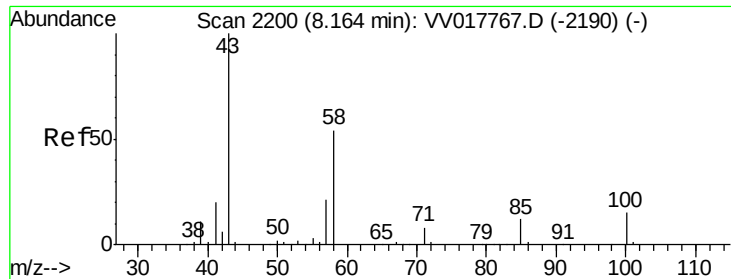
Tot Ion:	97	Resp:	31665
Ion	Ratio	Lower	Upper
97	100		
99	69.0	39.5	73.4
83	83.7	52.6	97.6
85	54.7	35.1	65.1



#49
Tetrachloroethene
Concen: 5.125 ug/L
RT: 8.00 min Scan# 2148
Delta R.T. 0.00 min
Lab File: VV017788.D
Acq: 31 Jul 2020 20:47

Tgt Ion:	164	Resp:	50047
Ion	Ratio	Lower	Upper
164	100		
129	86.0	65.0	120.8
131	82.3	63.6	118.2
166	127.4	91.7	170.3

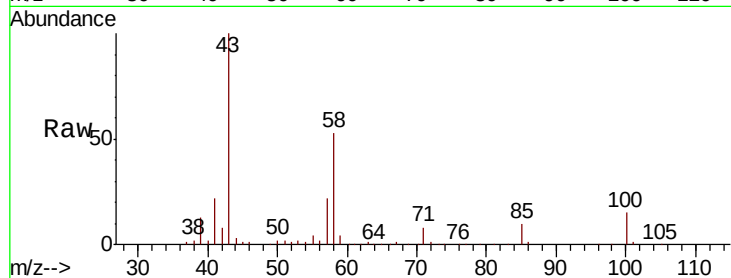




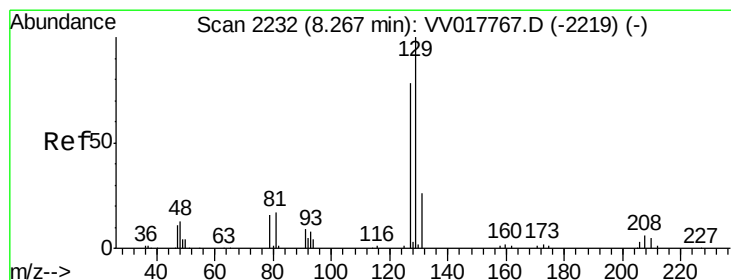
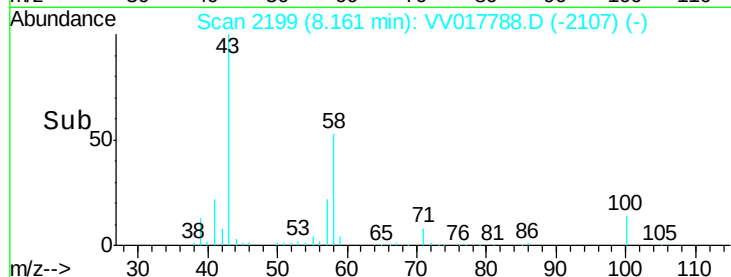
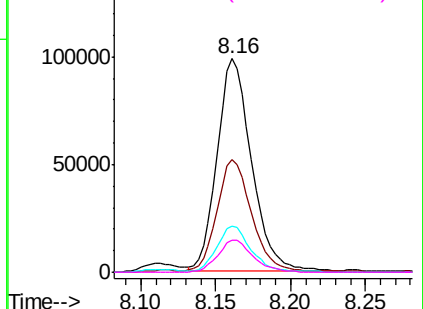
#50
2-Hexanone
Concen: 43.799 ug/L
RT: 8.16 min Scan# 2199
Delta R.T. -0.00 min
Lab File: VV017788.D
Acq: 31 Jul 2020 20:47

Instrument :
MSVOA_V
ClientSampleId :
VSTD00544

Tot Ion: 43 Resp: 158351
Ion Ratio Lower Upper
43 100
58 53.2 41.6 62.4
57 21.3 15.4 23.0
100 15.5 11.2 16.8

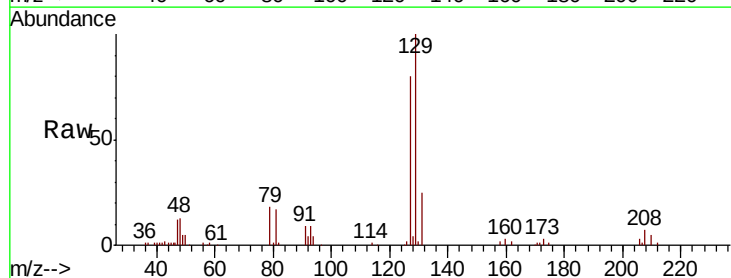


Abundance Ion 43.05 (42.75 to 43.75): VV017788.D (-2197) (-)
Ion 58.05 (57.75 to 58.75): VV017788.D (-2197) (-)
Ion 57.20 (56.90 to 57.90): VV017788.D (-2197) (-)
Ion 100.15 (99.85 to 100.85): VV017788.D (-2197) (-)

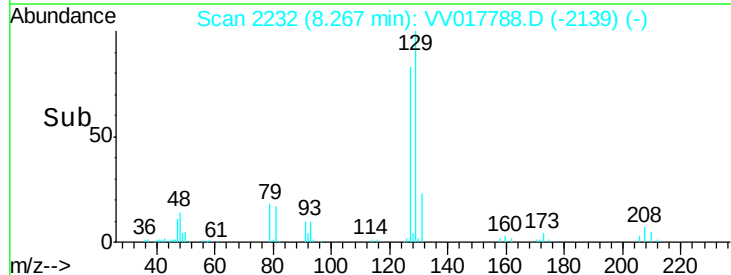
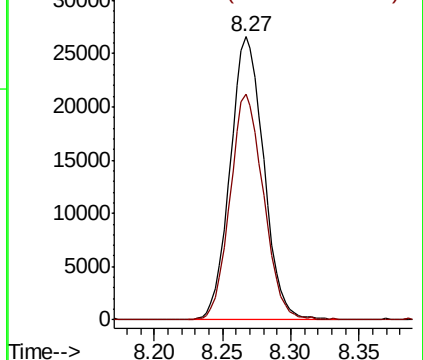


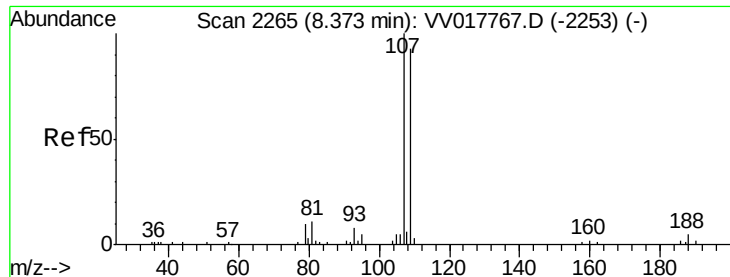
#51
Dibromochloromethane
Concen: 5.057 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. 0.00 min
Lab File: VV017788.D
Acq: 31 Jul 2020 20:47

Tgt Ion: 129 Resp: 45490
Ion Ratio Lower Upper
129 100
127 80.0 56.3 104.5



Abundance Ion 128.95 (128.65 to 129.65): VV017788.D (-2139) (-)
Ion 126.90 (126.60 to 127.60): VV017788.D (-2139) (-)





#52

1,2-Dibromoethane

Concen: 4.574 ug/L

RT: 8.38 min Scan# 2266

Delta R.T. 0.00 min

Lab File: VV017788.D

Acq: 31 Jul 2020 20:47

Instrument :

MSVOA_V

ClientSampleId :

VSTD00544

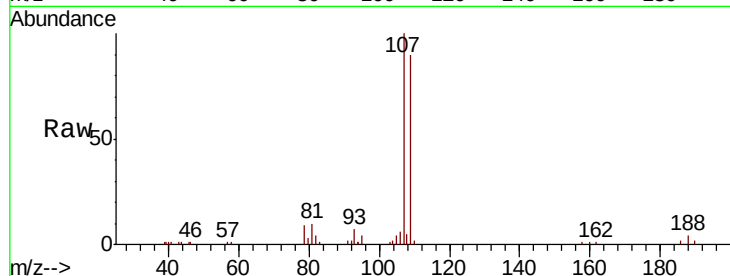
Tot Ion:107 Resp: 30507

Ion Ratio Lower Upper

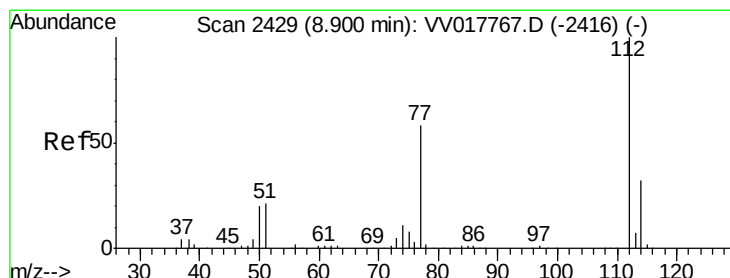
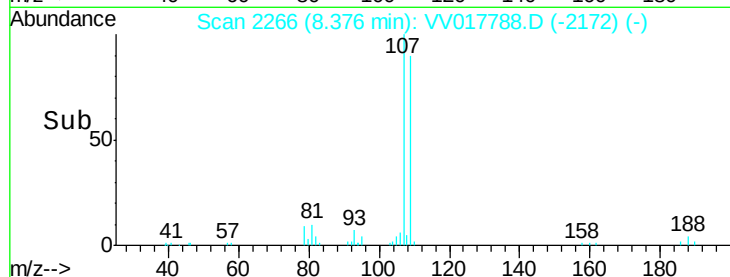
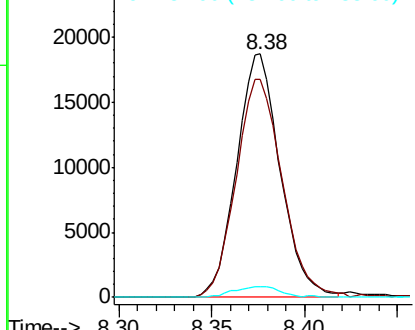
107 100

109 89.6 65.5 121.7

188 4.4 3.7 5.5



Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V



#53

Chlorobenzene

Concen: 4.997 ug/L

RT: 8.90 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VV017788.D

Acq: 31 Jul 2020 20:47

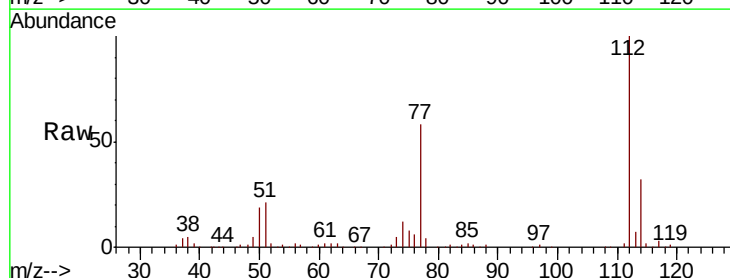
Tgt Ion:112 Resp: 144123

Ion Ratio Lower Upper

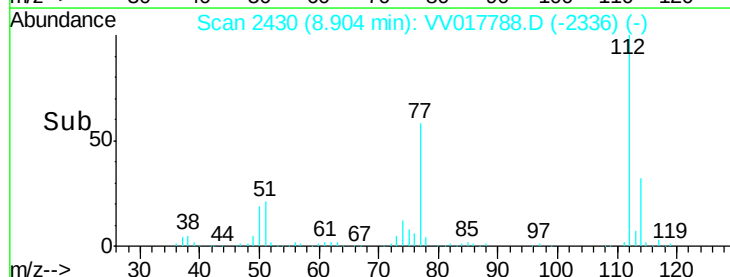
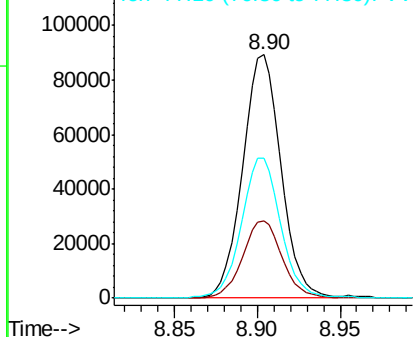
112 100

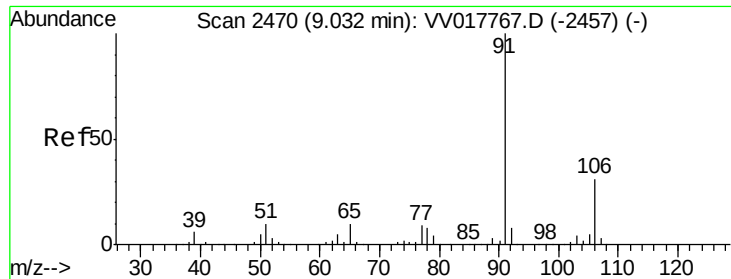
114 32.0 23.2 43.2

77 57.5 45.6 68.4



Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): V





#54

Ethylbenzene

Concen: 5.133 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. 0.00 min

Lab File: VV017788.D

Acq: 31 Jul 2020 20:47

Instrument :

MSVOA_V

ClientSampleId :

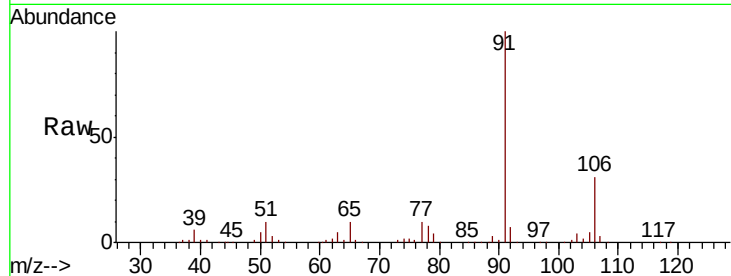
VSTD00544

Tot Ion: 91 Resp: 248584

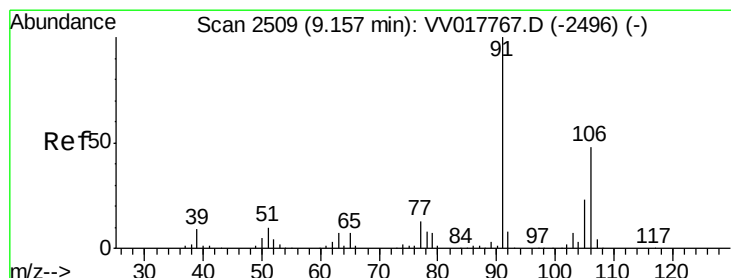
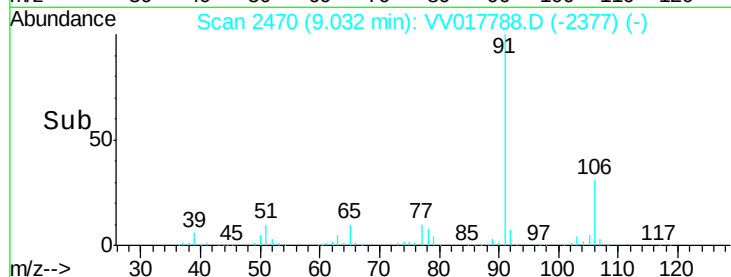
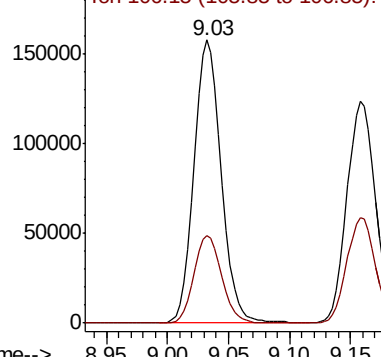
Ion Ratio Lower Upper

91 100

106 30.9 21.6 40.2



Abundance Ion 91.15 (90.85 to 91.85): VV017767.D (-2457) (-)



#55

m,p-xylene

Concen: 5.248 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VV017788.D

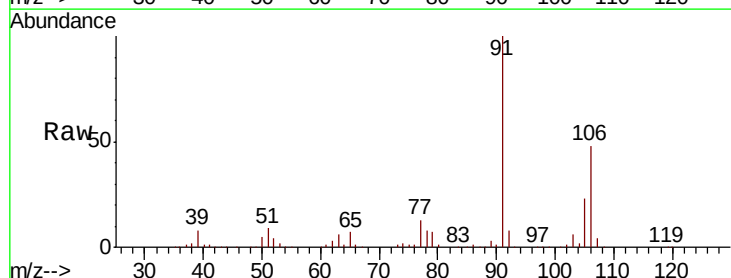
Acq: 31 Jul 2020 20:47

Tgt Ion: 106 Resp: 95726

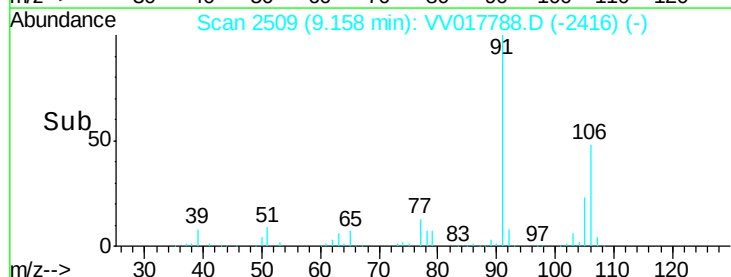
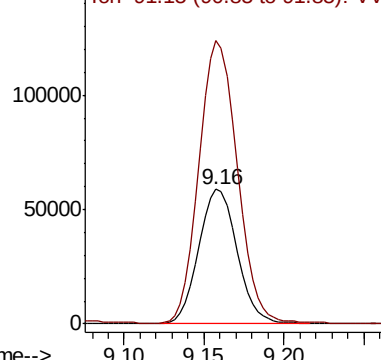
Ion Ratio Lower Upper

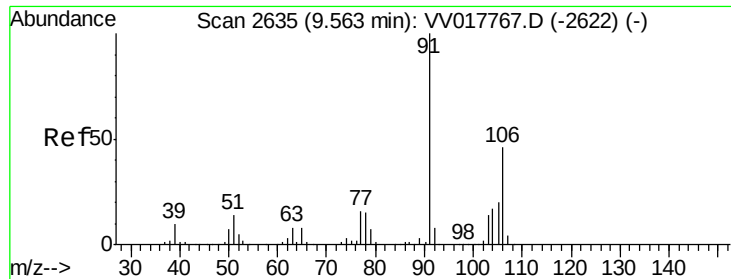
106 100

91 209.9 141.3 262.3



Abundance Ion 106.15 (105.85 to 106.85): VV017767.D (-2496) (-)

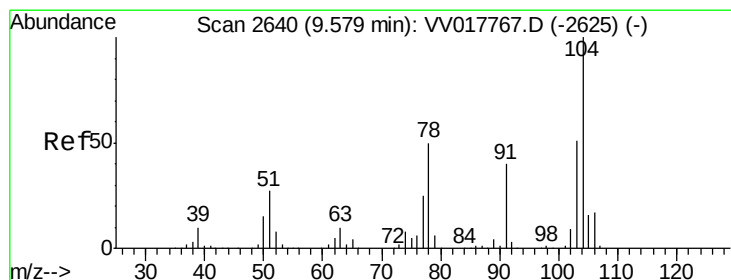
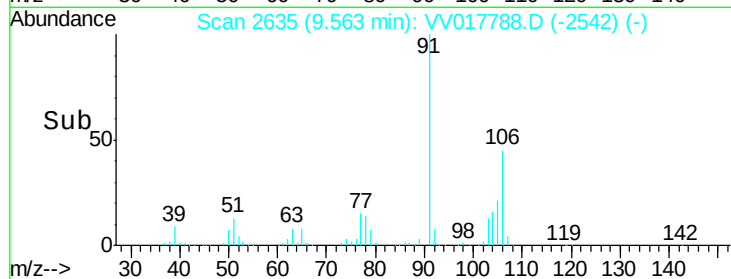
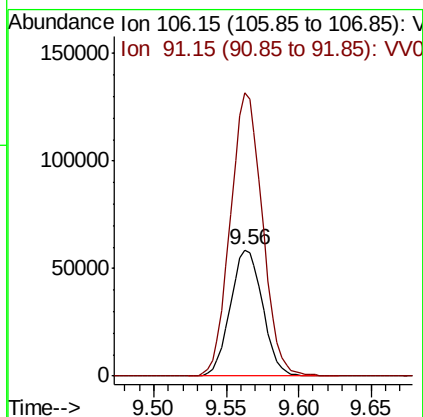
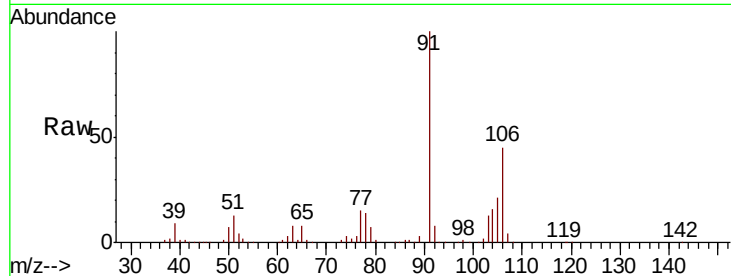




#56
o-xylene
Concen: 5.121 ug/L
RT: 9.56 min Scan# 2635
Delta R.T. 0.00 min
Lab File: VV017788.D
Acq: 31 Jul 2020 20:47

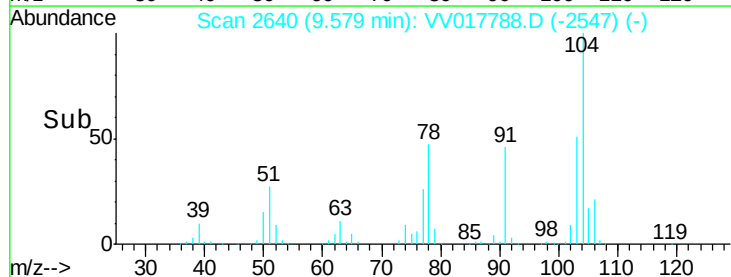
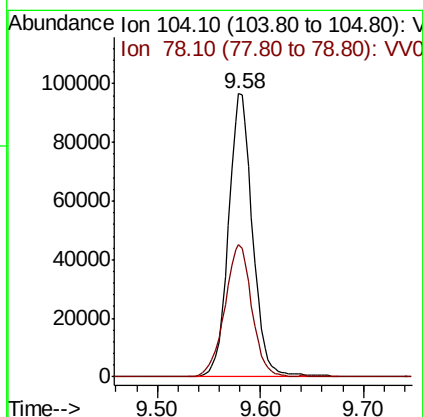
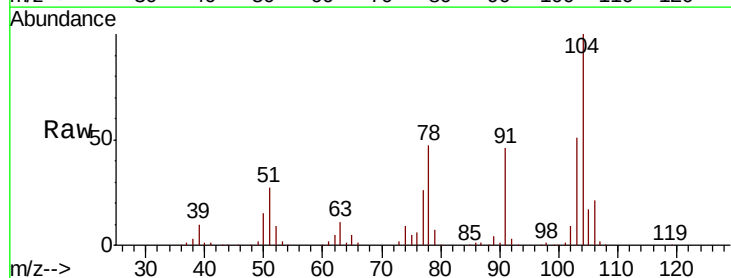
Instrument :
MSVOA_V
ClientSampleId :
VSTD00544

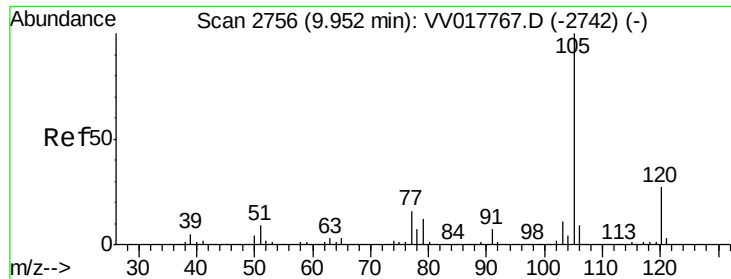
Tot Ion:106 Resp: 90639
Ion Ratio Lower Upper
106 100
91 224.4 153.9 285.7



#57
Styrene
Concen: 5.329 ug/L
RT: 9.58 min Scan# 2640
Delta R.T. 0.00 min
Lab File: VV017788.D
Acq: 31 Jul 2020 20:47

Tgt Ion:104 Resp: 157397
Ion Ratio Lower Upper
104 100
78 46.9 34.0 63.2





#58

Isopropylbenzene

Concen: 5.294 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV017788.D

Acq: 31 Jul 2020 20:47

Instrument :

MSVOA_V

ClientSampleId :

VSTD00544

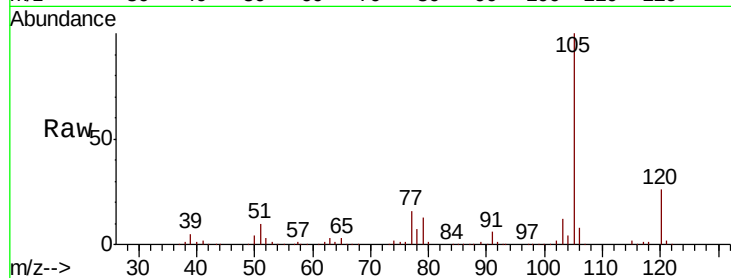
Tot Ion:105 Resp: 258492

Ion Ratio Lower Upper

105 100

120 26.2 21.1 31.7

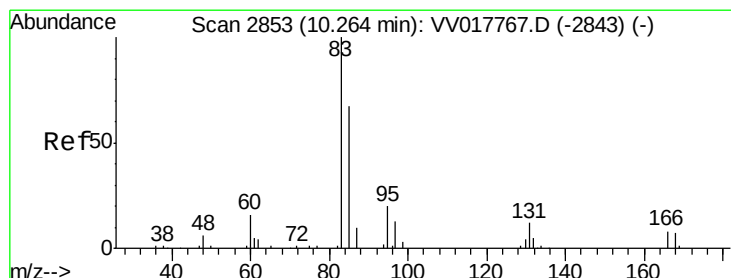
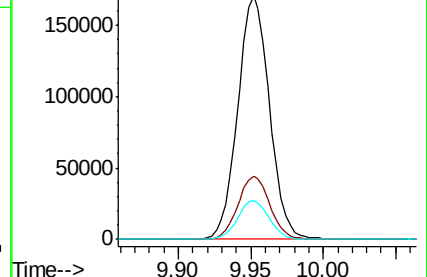
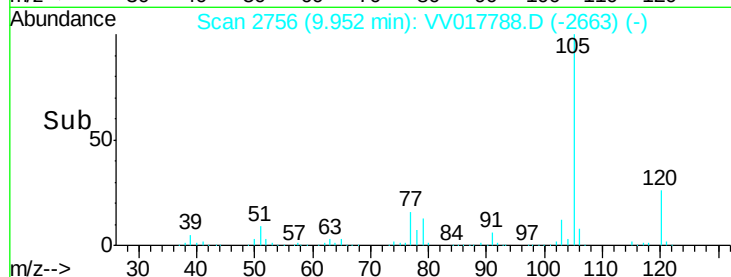
77 15.6 13.0 19.6



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#60

1,1,2,2-Tetrachloroethane

Concen: 4.277 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. 0.00 min

Lab File: VV017788.D

Acq: 31 Jul 2020 20:47

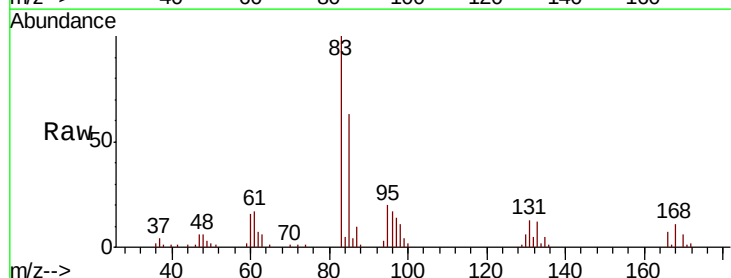
Tgt Ion: 83 Resp: 32936

Ion Ratio Lower Upper

83 100

85 63.2 44.4 82.5

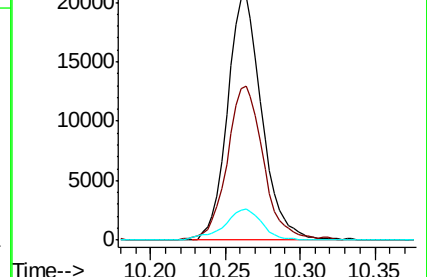
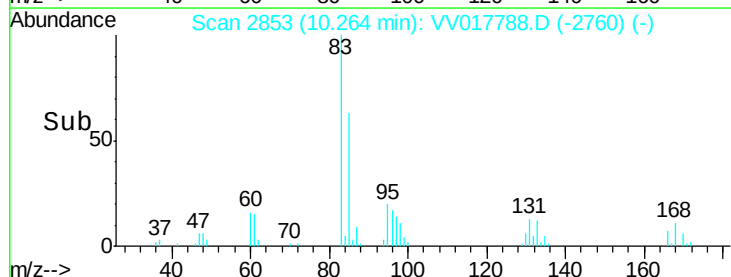
131 12.6 9.2 13.8

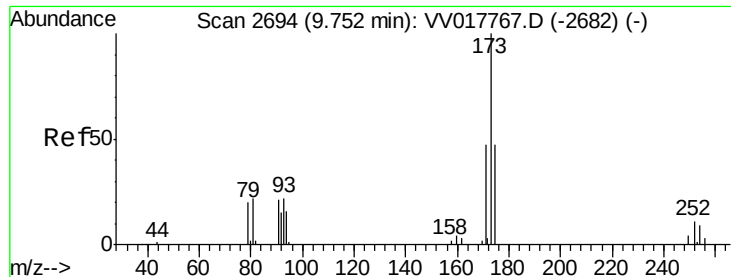


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#62

Bromoform

Concen: 5.404 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VV017788.D

Acq: 31 Jul 2020 20:47

Instrument :

MSVOA_V

ClientSampleId :

VSTD00544

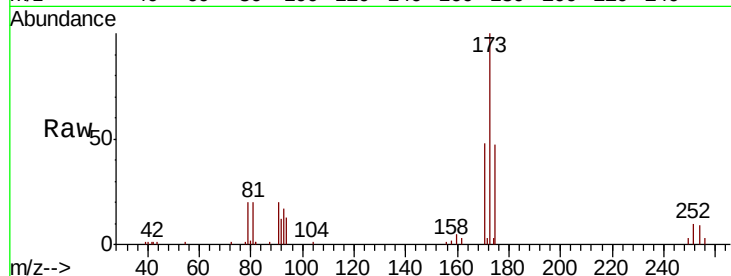
Tot Ion:173 Resp: 27441

Ion Ratio Lower Upper

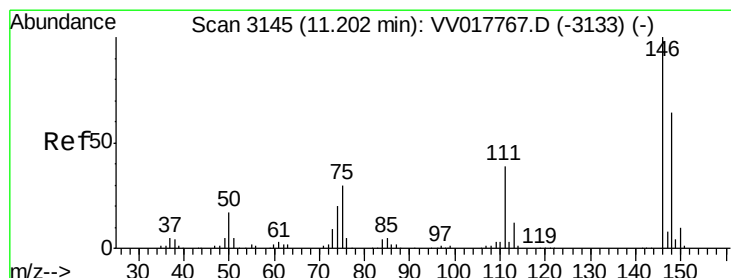
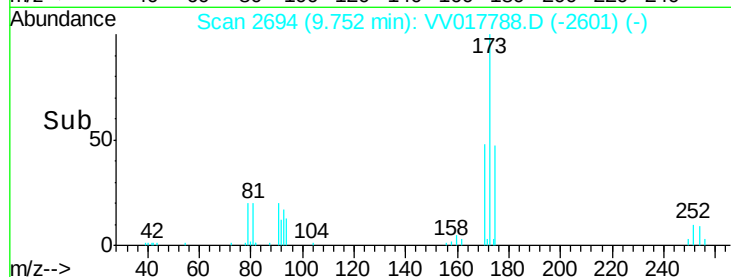
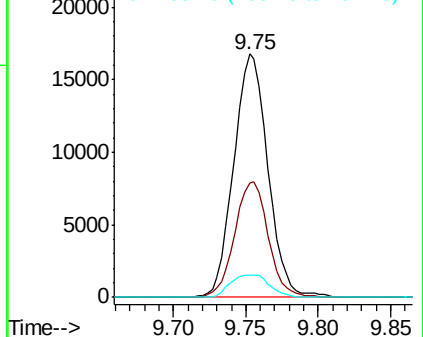
173 100

175 46.5 39.6 59.4

254 10.5 8.4 12.6



Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 253.75 (253.45 to 254.45): V



#63

1,3-Dichlorobenzene

Concen: 5.067 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. 0.00 min

Lab File: VV017788.D

Acq: 31 Jul 2020 20:47

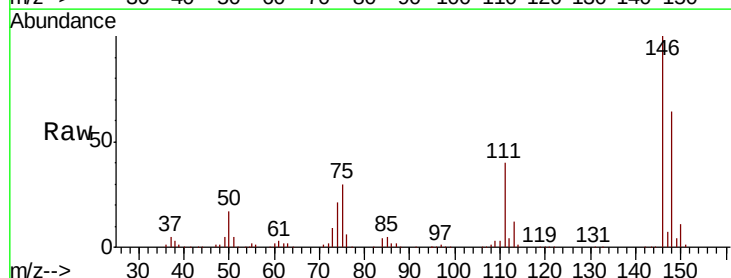
Tgt Ion:146 Resp: 129438

Ion Ratio Lower Upper

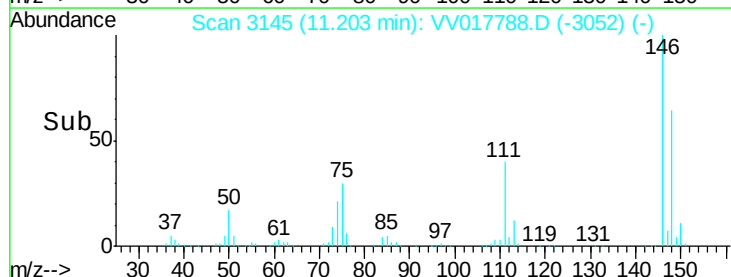
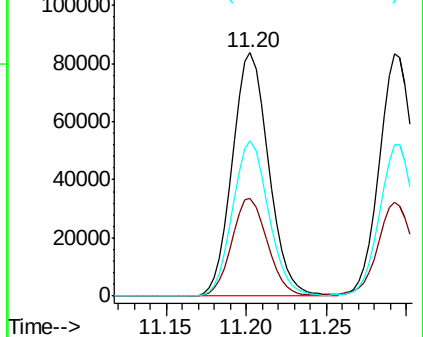
146 100

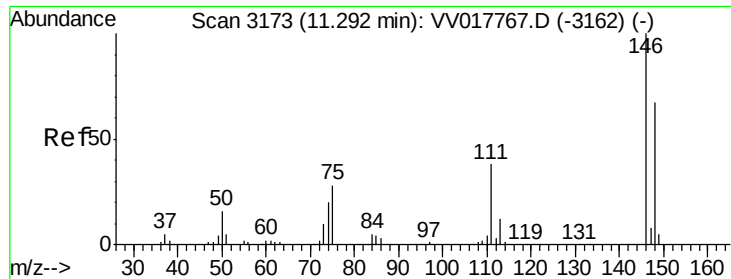
111 40.0 27.3 50.7

148 64.0 45.6 84.6



Abundance Ion 145.95 (145.65 to 146.65): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V

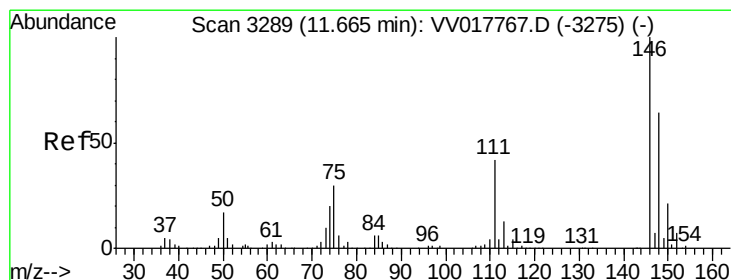
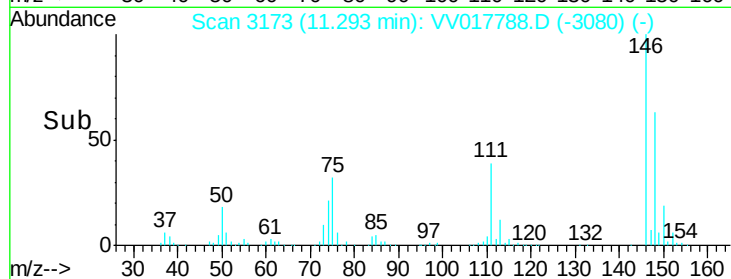
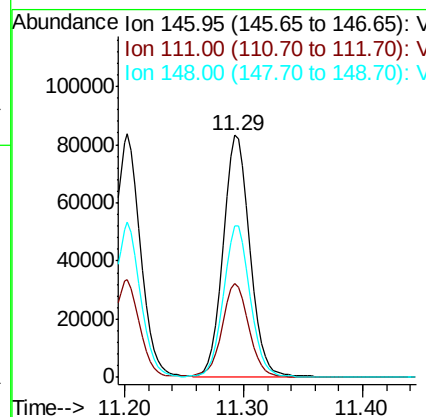
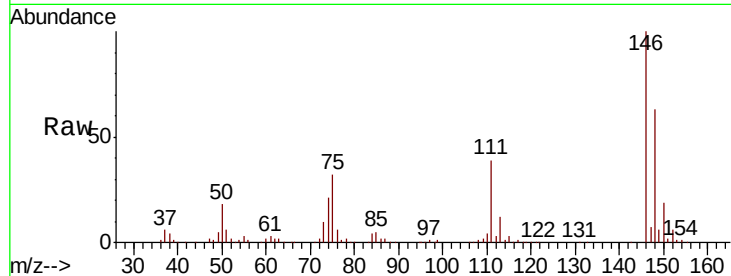




#64
 1,4-Dichlorobenzene
 Concen: 5.081 ug/L
 RT: 11.29 min Scan# 3173
 Delta R.T. 0.00 min
 Lab File: VV017788.D
 Acq: 31 Jul 2020 20:47

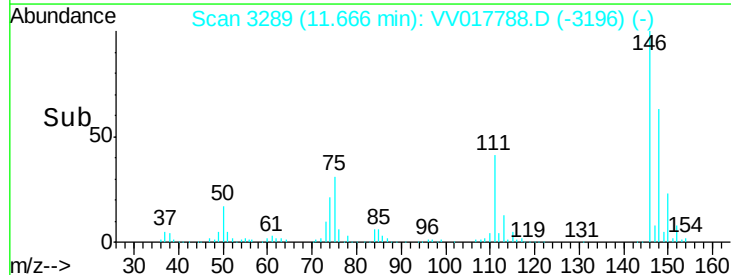
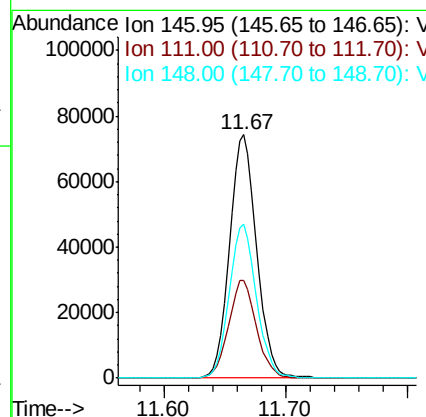
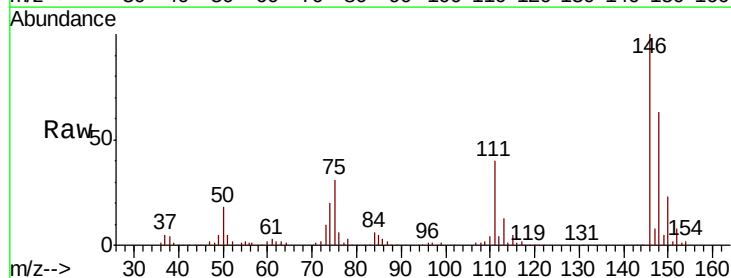
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00544

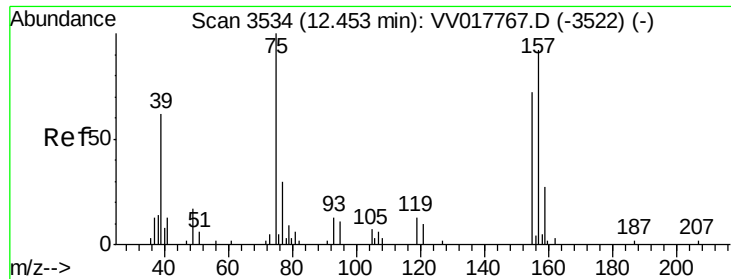
Tot Ion:146 Resp: 130262
 Ion Ratio Lower Upper
 146 100
 111 38.9 27.4 51.0
 148 62.5 43.8 81.4



#66
 1,2-Dichlorobenzene
 Concen: 4.965 ug/L
 RT: 11.67 min Scan# 3289
 Delta R.T. 0.00 min
 Lab File: VV017788.D
 Acq: 31 Jul 2020 20:47

Tgt Ion:146 Resp: 115531
 Ion Ratio Lower Upper
 146 100
 111 40.4 33.0 49.4
 148 63.1 49.9 74.9

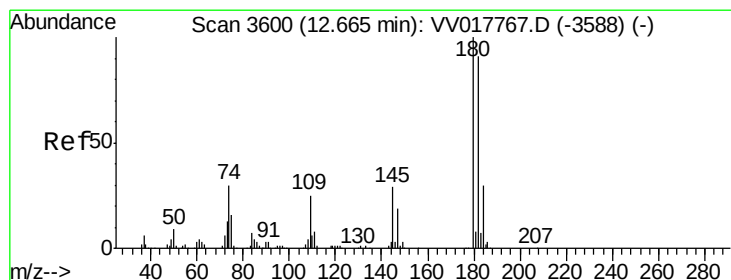
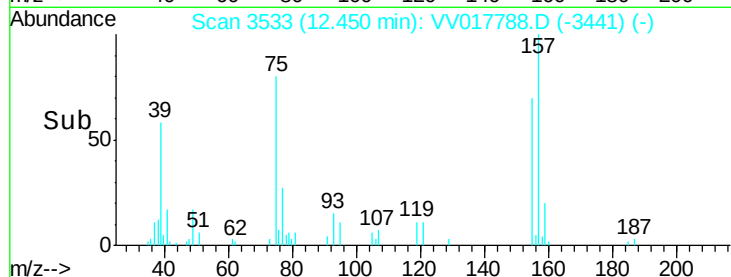
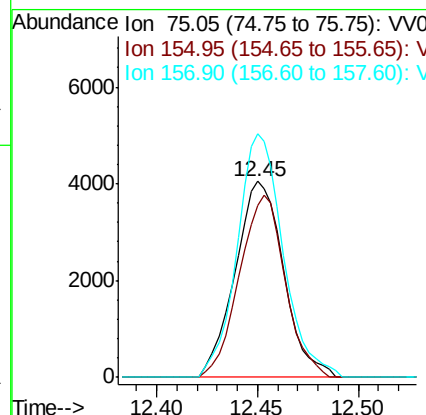
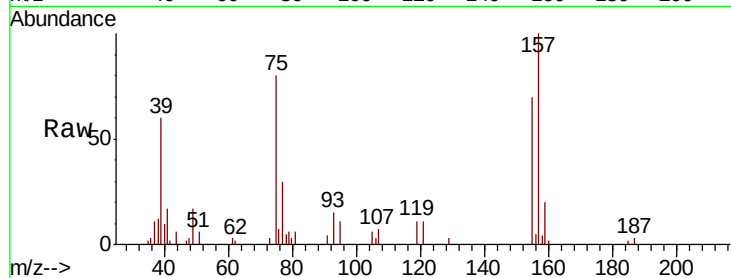




#67
 1,2-Dibromo-3-chloropropane
 Concen: 4.690 ug/L
 RT: 12.45 min Scan# 3533
 Delta R.T. -0.00 min
 Lab File: VV017788.D
 Acq: 31 Jul 2020 20:47

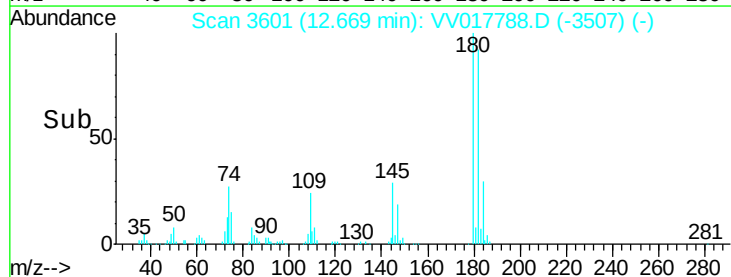
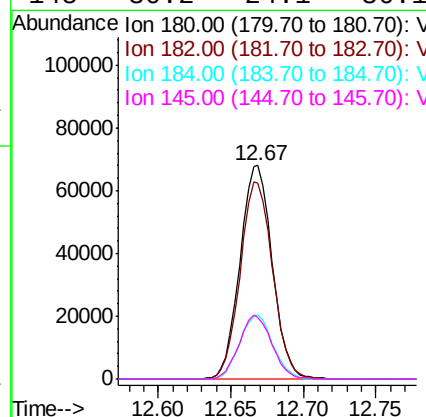
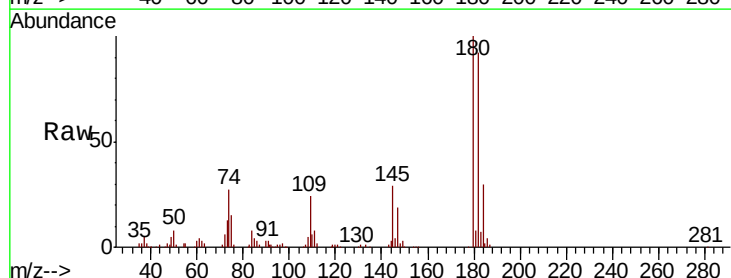
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00544

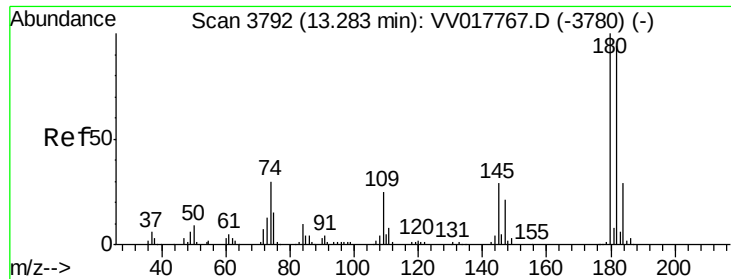
Tot Ion: 75 Resp: 6825
 Ion Ratio Lower Upper
 75 100
 155 87.6 68.7 103.1
 157 124.4 87.8 131.8



#68
 1,3,5-Trichlorobenzene
 Concen: 5.071 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. 0.00 min
 Lab File: VV017788.D
 Acq: 31 Jul 2020 20:47

Tgt Ion:180 Resp: 105233
 Ion Ratio Lower Upper
 180 100
 182 92.7 77.1 115.7
 184 30.8 25.2 37.8
 145 30.2 24.1 36.1

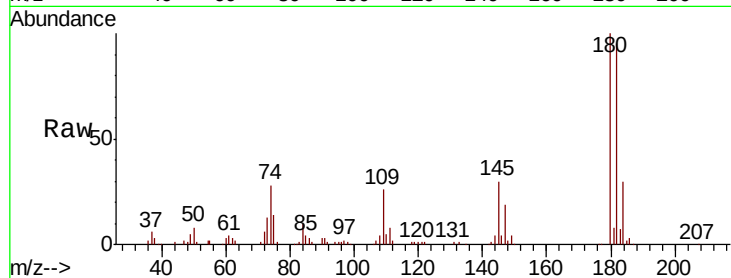




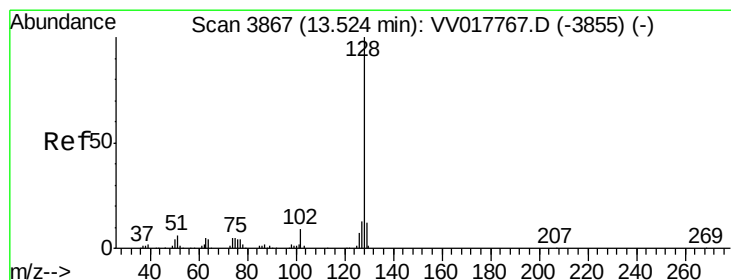
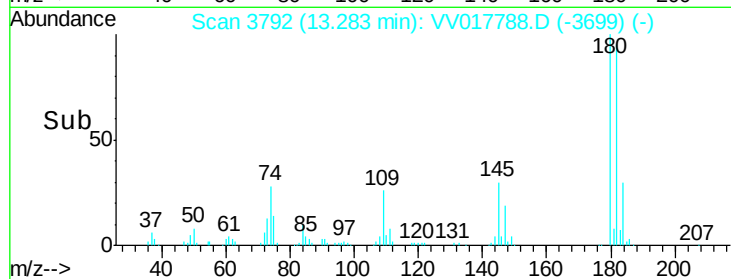
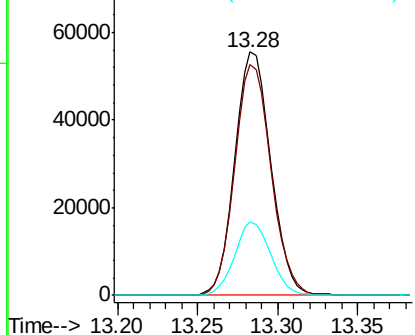
#69
 1,2,4-trichlorobenzene
 Concen: 4.891 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. 0.00 min
 Lab File: VV017788.D
 Acq: 31 Jul 2020 20:47

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00544

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.1	75.4	113.2
145	30.3	24.2	36.2

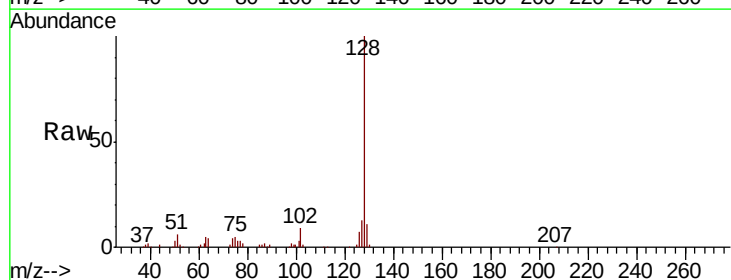


Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V

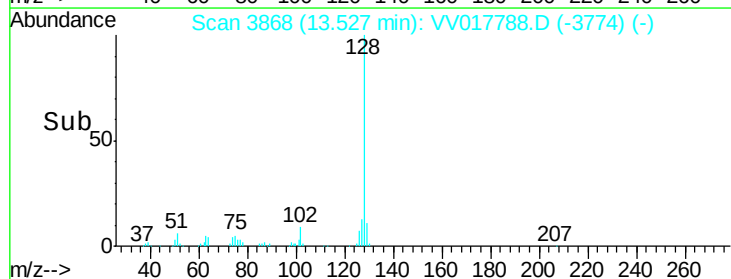
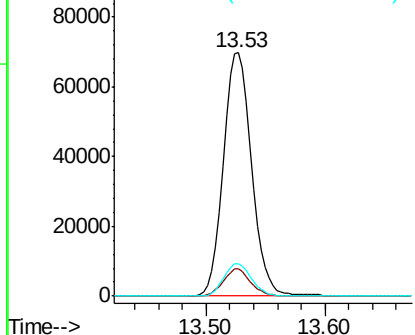


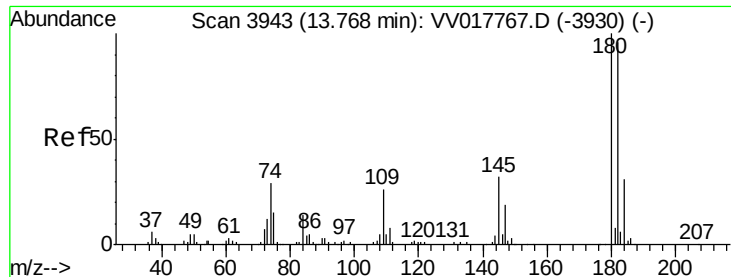
#70
 Naphthalene
 Concen: 4.747 ug/L
 RT: 13.53 min Scan# 3868
 Delta R.T. 0.00 min
 Lab File: VV017788.D
 Acq: 31 Jul 2020 20:47

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.7	9.1	13.7
127	13.0	11.0	16.6



Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 129.00 (128.70 to 129.70): V
 Ion 127.00 (126.70 to 127.70): V

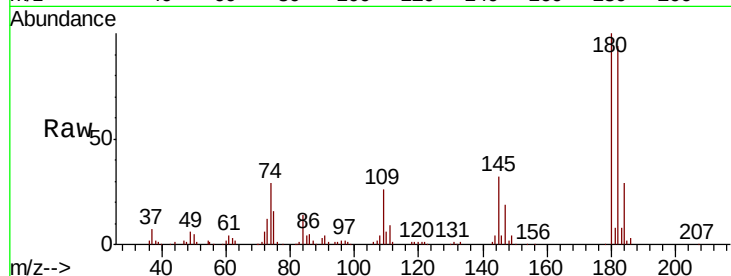




#71
 1,2,3-Trichlorobenzene
 Concen: 4.763 ug/L
 RT: 13.77 min Scan# 3942
 Delta R.T. -0.00 min
 Lab File: VV017788.D
 Acq: 31 Jul 2020 20:47

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00544

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.7	74.2	111.4
145	33.3	26.0	39.0



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 181.90 (181.60 to 182.60): V
 Ion 144.95 (144.65 to 145.65): V

