

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV072920\
 Data File : VV017737.D
 Acq On : 29 Jul 2020 17:53
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jul 30 04:32:05 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR072320WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Jul 30 04:28:04 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	142711	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	136928	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	78091	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	34704	5.09	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	101.80%
7) Chloroethane-d5	1.58	69	30000	5.75	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	115.00%
11) 1,1-Dichloroethene-d2	2.13	63	82345	5.39	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	107.80%
20) 2-Butanone-d5	3.93	46	74125	45.47	ug/L	-0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	90.94%
24) Chloroform-d	4.38	84	85750	5.20	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.00%
26) 1,2-Dichloroethane-d4	5.06	65	47137	5.54	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	110.80%
32) Benzene-d6	5.07	84	144582	4.79	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.80%
36) 1,2-Dichloropropane-d6	6.09	67	38053	4.53	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	90.60%
41) Toluene-d8	7.34	98	143708	4.96	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.20%
45) trans-1,3-Dichloropropene-	7.64	79	17979	4.73	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	94.60%
48) 2-Hexanone-d5	8.11	63	55198	46.84	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	93.68%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	27909	4.78	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.60%
65) 1,2-Dichlorobenzene-d4	11.65	152	57715	4.89	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.80%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	75231	4.811 ug/L	99
3) Chloromethane	1.25	50	48593	4.776 ug/L	96
5) Vinyl chloride	1.32	62	53234	5.221 ug/L	99
6) Bromomethane	1.53	94	24276	3.705 ug/L	98
8) Chloroethane	1.60	64	32462	5.515 ug/L	99
9) Trichlorofluoromethane	1.77	101	108707	5.961 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	46502	5.460 ug/L	90
12) 1,1-Dichloroethene	2.14	96	43972	5.722 ug/L	90
13) Acetone	2.20	43	65966	51.691 ug/L #	52
14) Carbon disulfide	2.31	76	127691	5.466 ug/L	98
15) Methyl Acetate	2.45	43	13809	5.561 ug/L	92
16) Methylene chloride	2.52	84	45430	5.313 ug/L	96
17) Methyl tert-butyl Ether	2.79	73	106039	5.383 ug/L	99
18) trans-1,2-Dichloroethene	2.78	96	47705	5.697 ug/L	99
19) 1,1-Dichloroethane	3.21	63	91437	5.193 ug/L	98
21) 2-Butanone	4.02	43	94447	43.829 ug/L	97
22) cis-1,2-Dichloroethene	3.94	96	52783	5.005 ug/L	96

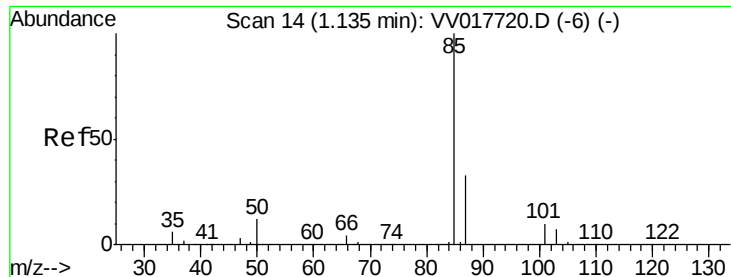
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV072920\
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 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Jul 30 04:28:04 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.27	128	24284	4.997	ug/L	92
25) Chloroform	4.40	83	107775	5.453	ug/L	94
27) 1,2-Dichloroethane	5.15	62	67535	5.270	ug/L	98
29) 1,1,1-Trichloroethane	4.63	97	106063	5.536	ug/L	99
30) Cyclohexane	4.70	56	67767	4.465	ug/L	93
31) Carbon tetrachloride	4.85	117	95285	5.592	ug/L	100
33) Benzene	5.13	78	198097	5.111	ug/L	100
34) Trichloroethene	5.94	95	56959	5.261	ug/L	95
35) Methylcyclohexane	6.15	83	76034	4.643	ug/L	96
37) 1,2-Dichloropropane	6.20	63	44096	4.841	ug/L	100
38) Bromodichloromethane	6.53	83	71245	5.317	ug/L	98
39) cis-1,3-Dichloropropene	7.05	75	69776	5.079	ug/L	96
40) 4-Methyl-2-pentanone	7.25	43	225293	45.110	ug/L	98
42) Toluene	7.41	91	226131	5.348	ug/L	99
43) 1,3,5-Trimethylbenzene	10.56	105	221495	5.611	ug/L	99
44) 1,2,4-Trimethylbenzene	10.94	105	227247	5.634	ug/L	100
46) trans-1,3-Dichloropropene	7.67	75	59772	4.846	ug/L	97
47) 1,1,2-Trichloroethane	7.86	97	33150	4.799	ug/L	90
49) Tetrachloroethene	8.00	164	50471	5.288	ug/L	97
50) 2-Hexanone	8.16	43	163525	46.274	ug/L	98
51) Dibromochloromethane	8.27	129	47515	5.404	ug/L	93
52) 1,2-Dibromoethane	8.38	107	32063	4.918	ug/L	98
53) Chlorobenzene	8.90	112	146639	5.202	ug/L	99
54) Ethylbenzene	9.03	91	253778	5.361	ug/L	99
55) m,p-xylene	9.16	106	97863	5.489	ug/L	96
56) o-xylene	9.56	106	93086	5.380	ug/L	97
57) Styrene	9.58	104	164261	5.690	ug/L	98
58) Isopropylbenzene	9.95	105	263975	5.531	ug/L	99
60) 1,1,1,2-Tetrachloroethane	10.26	83	35178	4.673	ug/L	99
62) Bromoform	9.75	173	25797	5.162	ug/L	99
63) 1,3-Dichlorobenzene	11.20	146	134920	5.366	ug/L	99
64) 1,4-Dichlorobenzene	11.29	146	131832	5.225	ug/L	98
66) 1,2-Dichlorobenzene	11.67	146	119843	5.233	ug/L	99
67) 1,2-Dibromo-3-chloropropan	12.45	75	7069	4.936	ug/L	93
68) 1,3,5-Trichlorobenzene	12.67	180	107068	5.242	ug/L	98
69) 1,2,4-trichlorobenzene	13.28	180	88490	5.180	ug/L	99
70) Naphthalene	13.52	128	116005	4.870	ug/L	99
71) 1,2,3-Trichlorobenzene	13.77	180	77324	5.108	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 4.811 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV017737.D

Acq: 29 Jul 2020 17:53

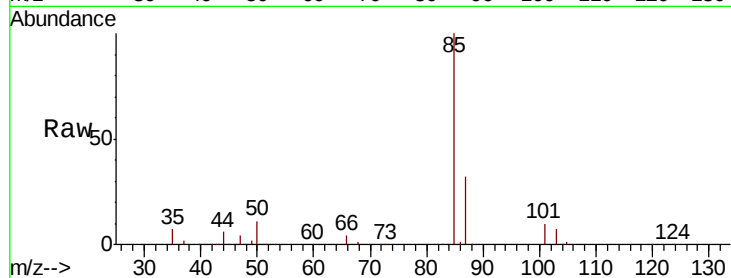
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 85 Resp: 75231

Ion Ratio Lower Upper

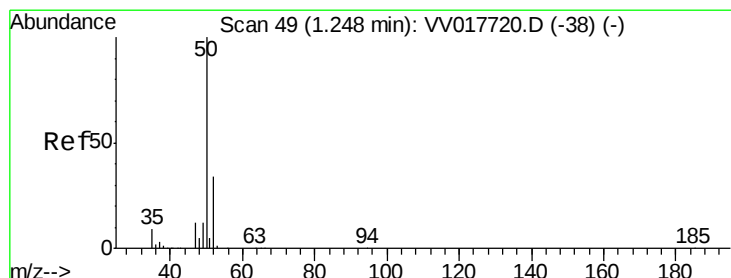
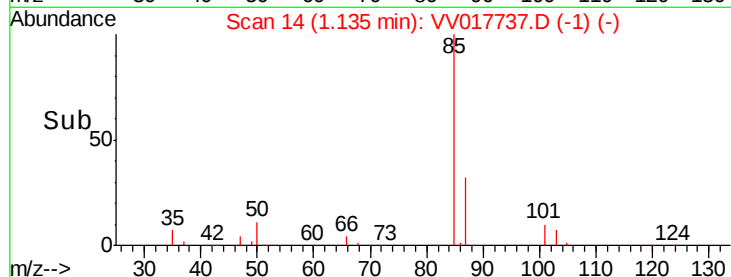
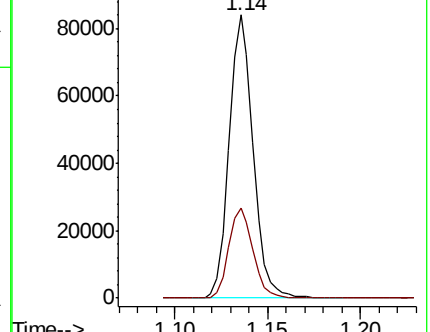
85 100

87 32.3 26.4 39.6



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 4.776 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV017737.D

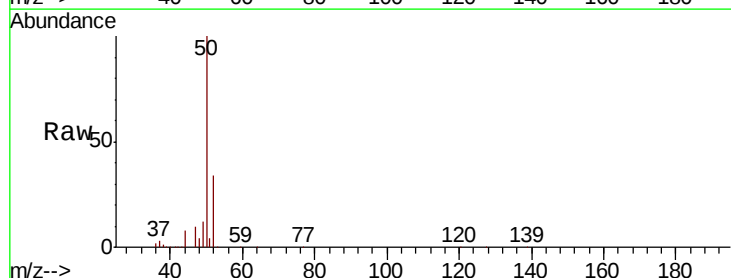
Acq: 29 Jul 2020 17:53

Tgt Ion: 50 Resp: 48593

Ion Ratio Lower Upper

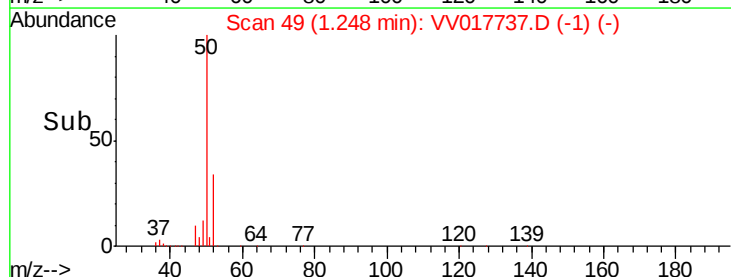
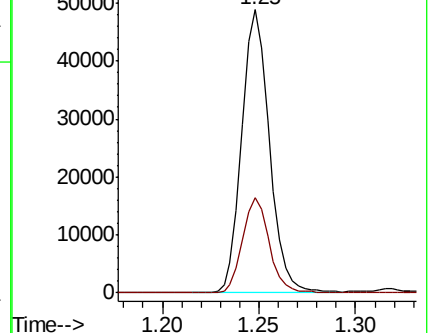
50 100

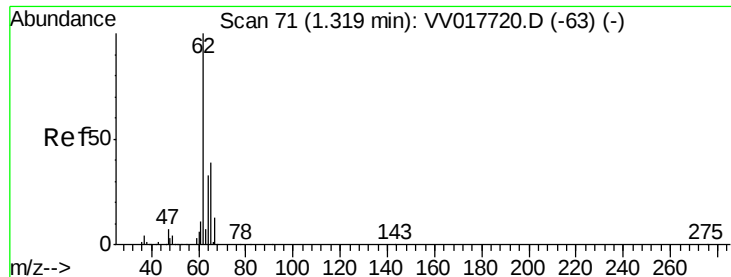
52 33.6 25.1 46.5



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0





#5

Vinyl chloride

Concen: 5.221 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV017737.D

Acq: 29 Jul 2020 17:53

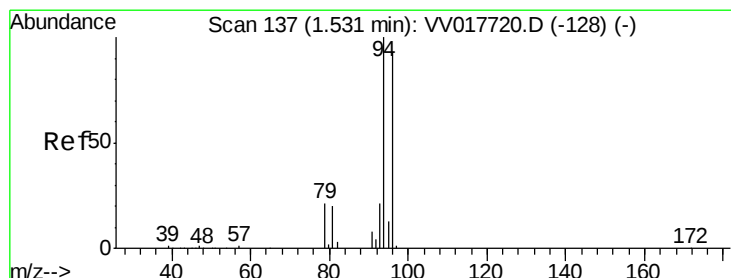
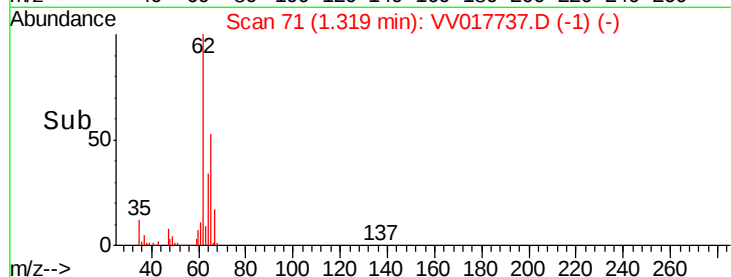
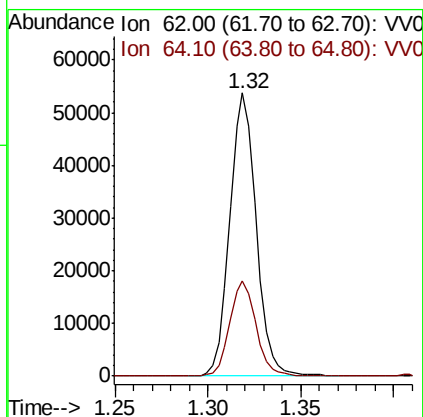
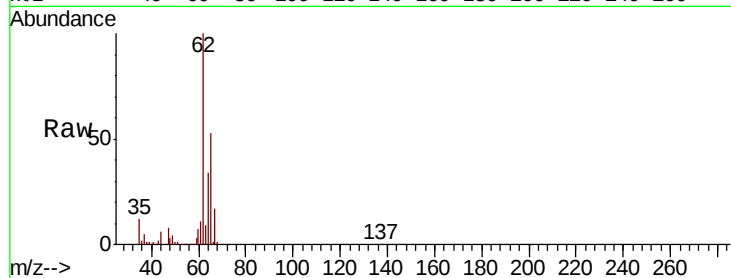
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 62 Resp: 53234

Ion Ratio Lower Upper

62 100

64 33.5 23.0 42.8



#6

Bromomethane

Concen: 3.705 ug/L

RT: 1.53 min Scan# 137

Delta R.T. -0.00 min

Lab File: VV017737.D

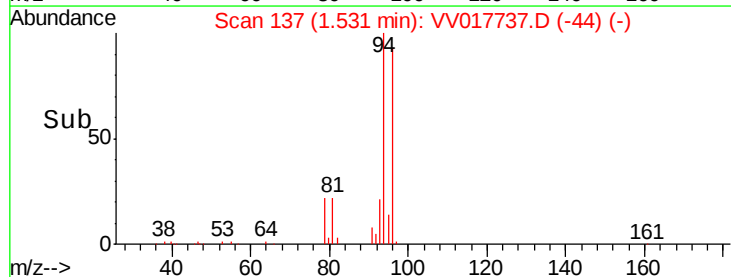
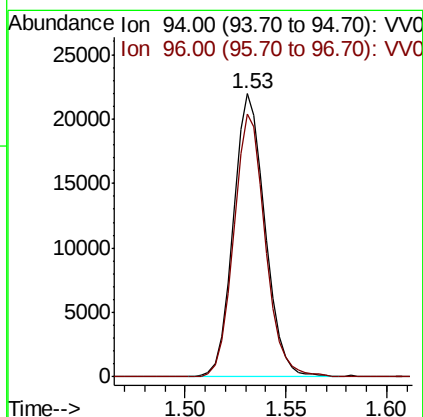
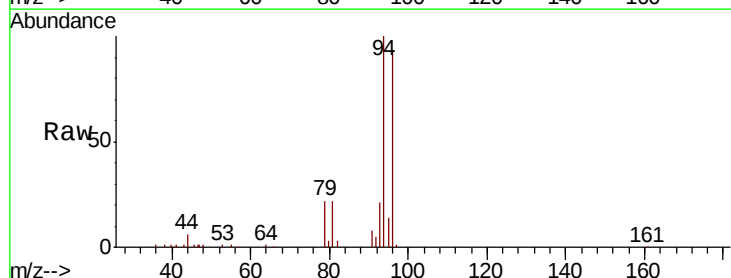
Acq: 29 Jul 2020 17:53

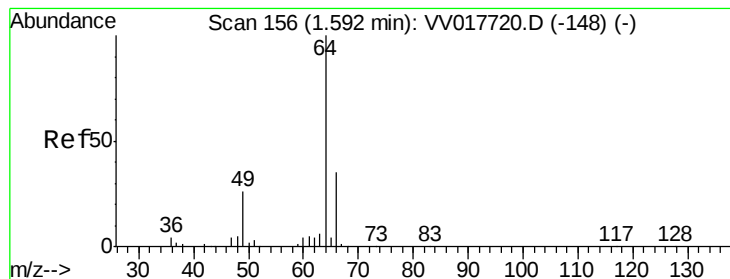
Tgt Ion: 94 Resp: 24276

Ion Ratio Lower Upper

94 100

96 92.7 65.9 122.5





#8

Chloroethane

Concen: 5.515 ug/L

RT: 1.60 min Scan# 157

Delta R.T. 0.00 min

Lab File: VV017737.D

Acq: 29 Jul 2020 17:53

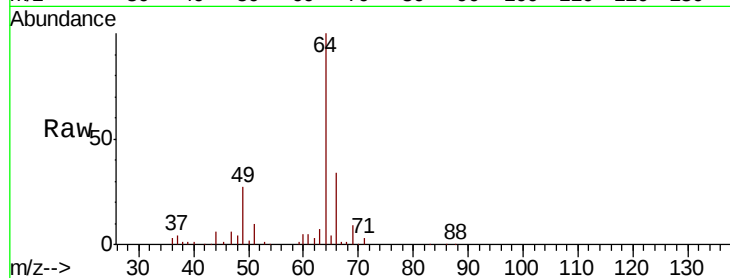
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 64 Resp: 32462

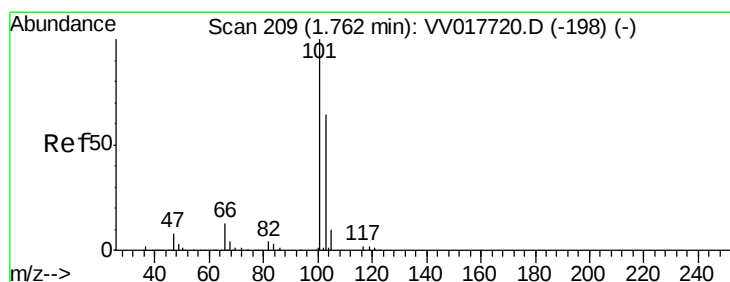
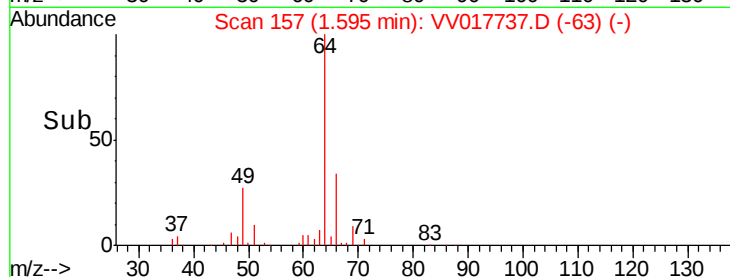
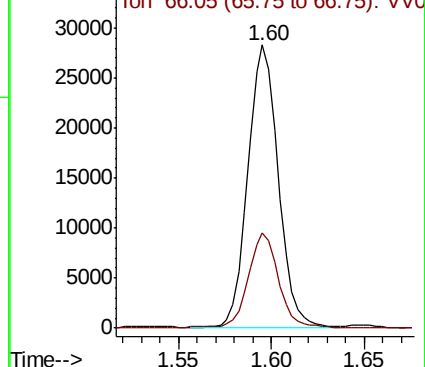
Ion Ratio Lower Upper

64 100

66 33.5 24.0 44.6



Abundance Ion 64.10 (63.80 to 64.80): VV017737.D (-148) (-)



#9

Trichlorofluoromethane

Concen: 5.961 ug/L

RT: 1.77 min Scan# 210

Delta R.T. 0.00 min

Lab File: VV017737.D

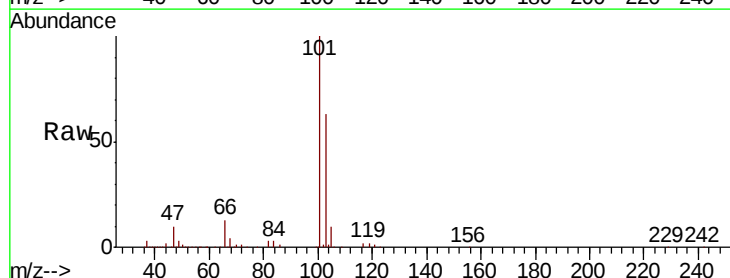
Acq: 29 Jul 2020 17:53

Tgt Ion:101 Resp: 108707

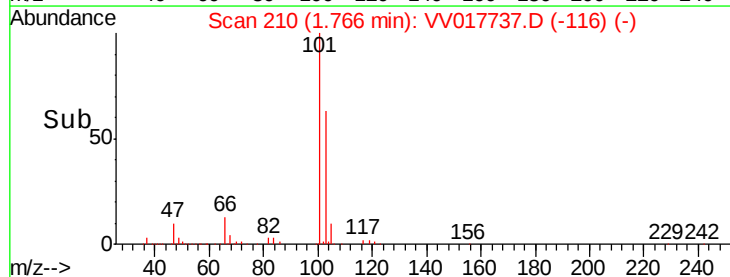
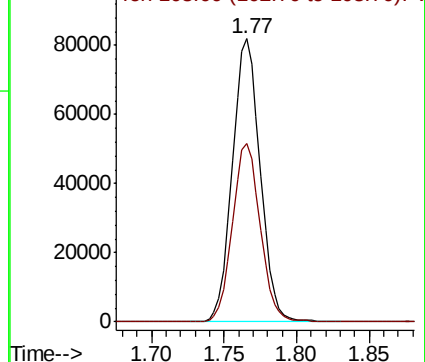
Ion Ratio Lower Upper

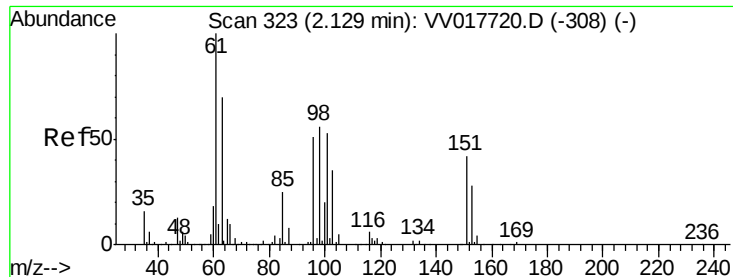
101 100

103 63.1 51.7 77.5



Abundance Ion 101.00 (100.70 to 101.70): VV017737.D (-116) (-)





#10

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

Concen: 5.460 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV017737.D

Acq: 29 Jul 2020 17:53

Instrument :

MSVOA_V

ClientSampleId :

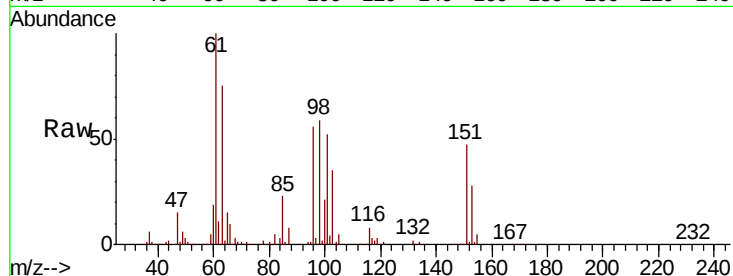
Tot Ion:101 Resp: 46502

Ion Ratio Lower Upper

101 100

85 45.6 34.6 51.8

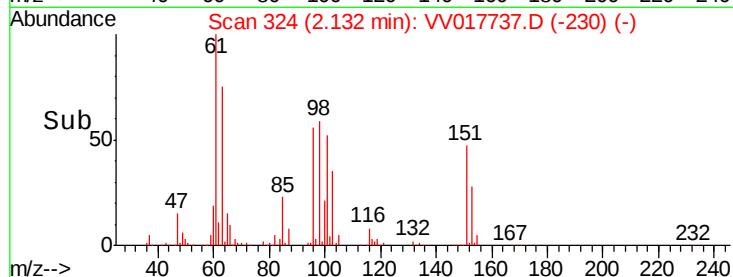
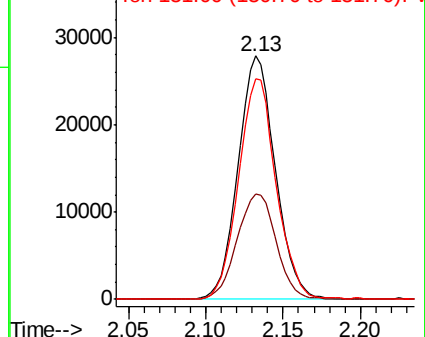
151 91.7 63.5 95.3



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: 5.722 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV017737.D

Acq: 29 Jul 2020 17:53

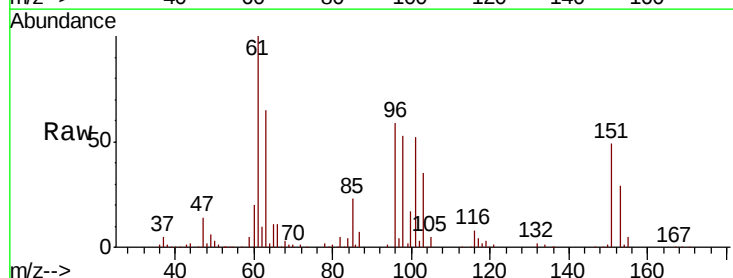
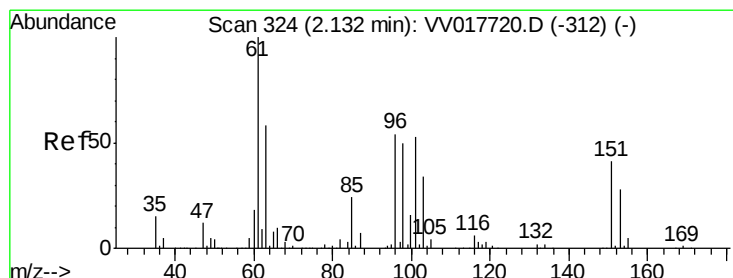
Tgt Ion: 96 Resp: 43972

Ion Ratio Lower Upper

96 100

61 169.7 123.1 228.7

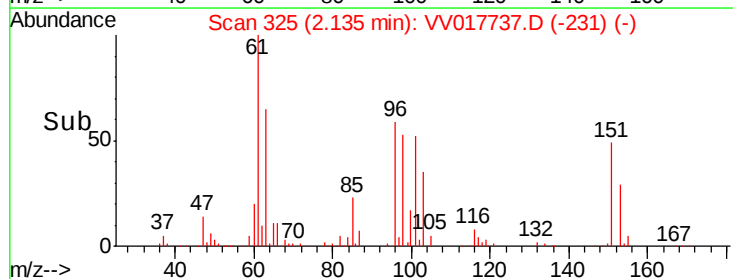
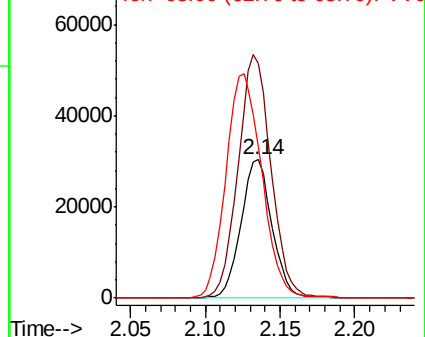
63 109.7 91.2 169.4

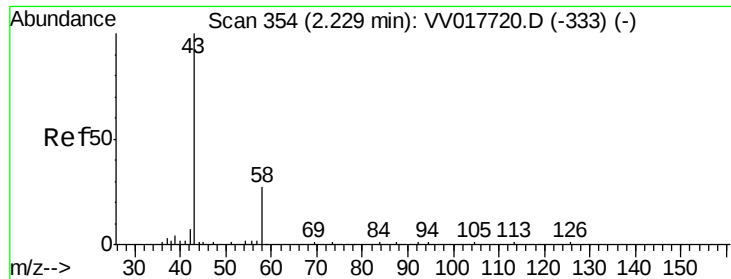


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 51.691 ug/L

RT: 2.20 min Scan# 346

Delta R.T. -0.03 min

Lab File: VV017737.D

Acq: 29 Jul 2020 17:53

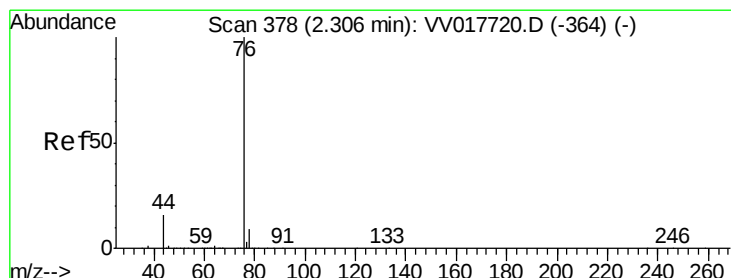
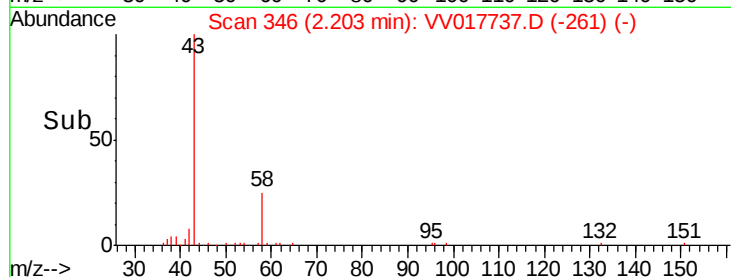
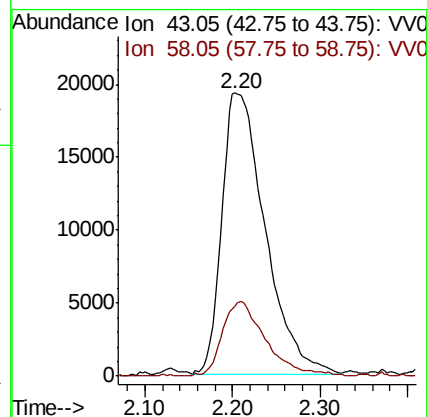
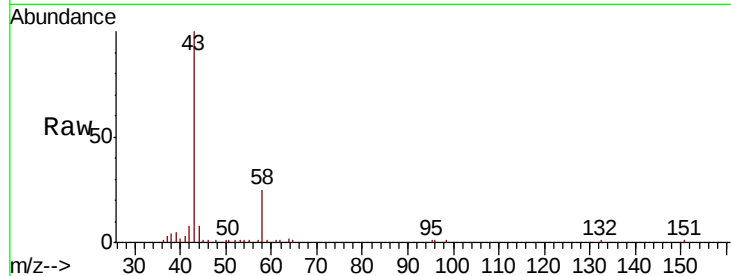
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 65966

Ion Ratio Lower Upper

43 100

58 26.7 0.0 18.6#



#14

Carbon disulfide

Concen: 5.466 ug/L

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VV017737.D

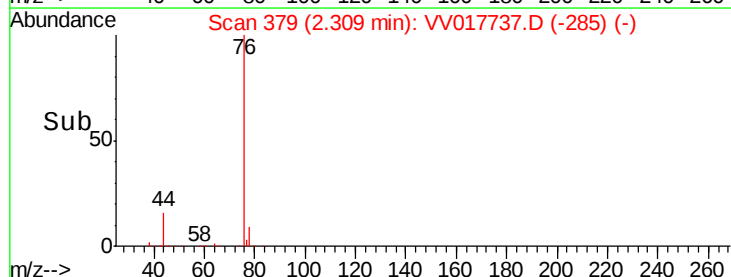
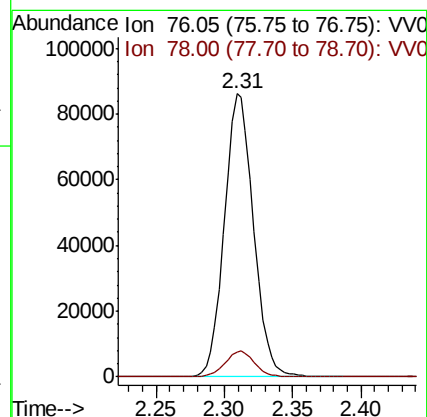
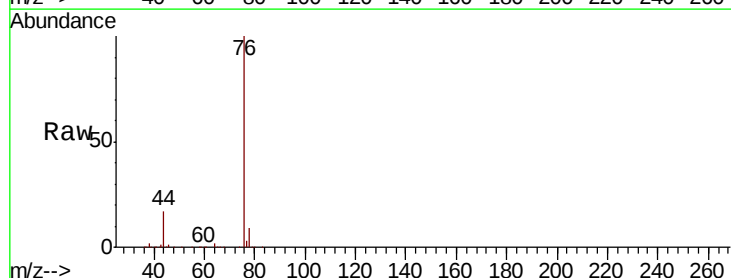
Acq: 29 Jul 2020 17:53

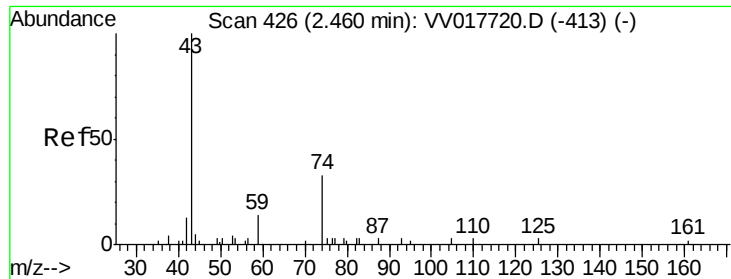
Tgt Ion: 76 Resp: 127691

Ion Ratio Lower Upper

76 100

78 8.9 6.6 10.0

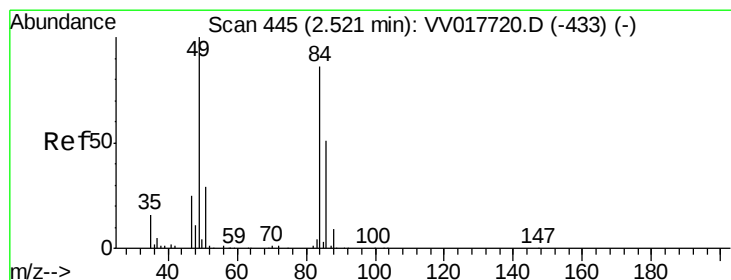
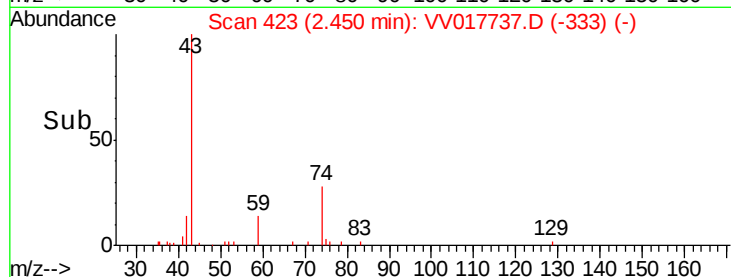
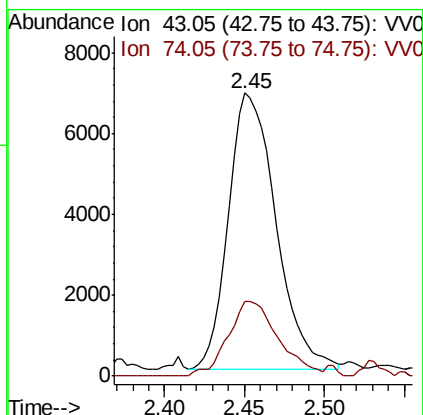
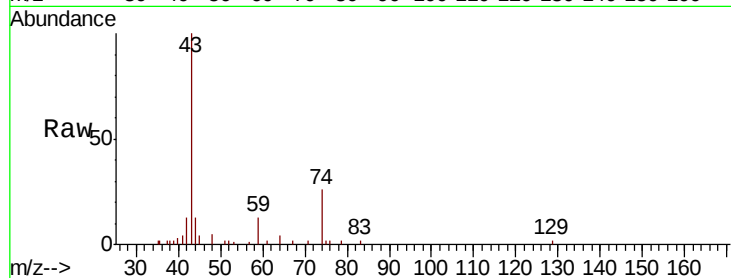




#15
Methvl Acetate
Concen: 5.561 ug/L
RT: 2.45 min Scan# 423
Delta R.T. -0.01 min
Lab File: VV017737.D
Acq: 29 Jul 2020 17:53

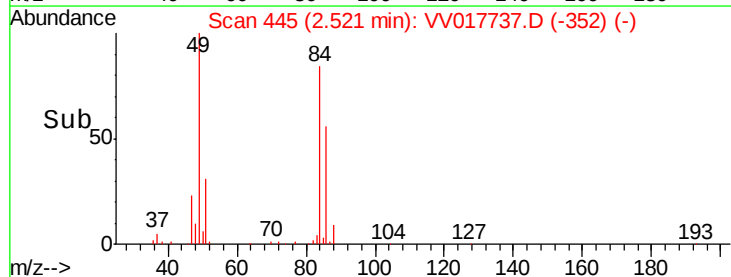
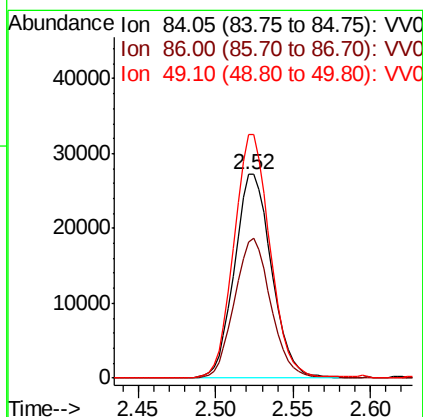
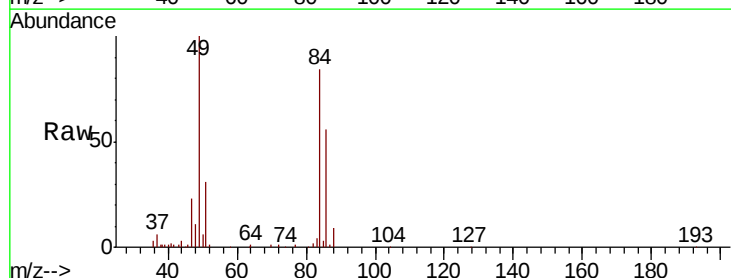
Instrument :
MSVOA_V
ClientSampleId :

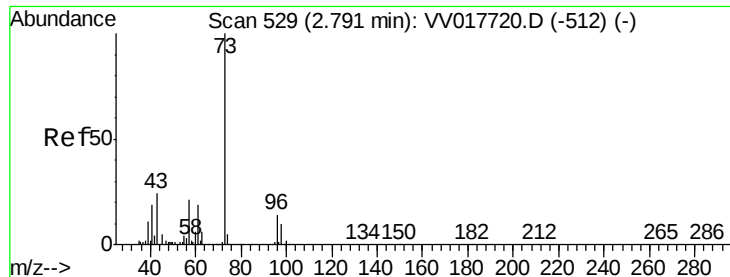
Tot Ion: 43 Resp: 13809
Ion Ratio Lower Upper
43 100
74 28.8 26.6 40.0



#16
Methylene chloride
Concen: 5.313 ug/L
RT: 2.52 min Scan# 445
Delta R.T. -0.00 min
Lab File: VV017737.D
Acq: 29 Jul 2020 17:53

Tgt Ion: 84 Resp: 45430
Ion Ratio Lower Upper
84 100
86 66.9 46.5 86.3
49 119.6 79.2 147.2



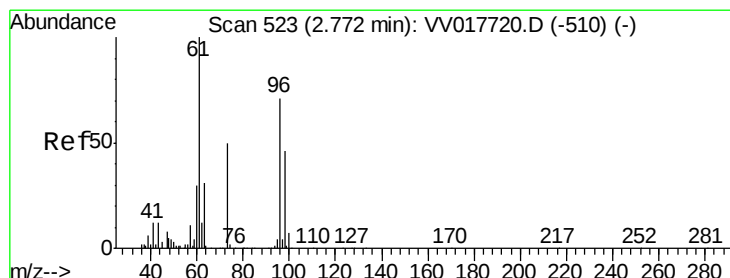
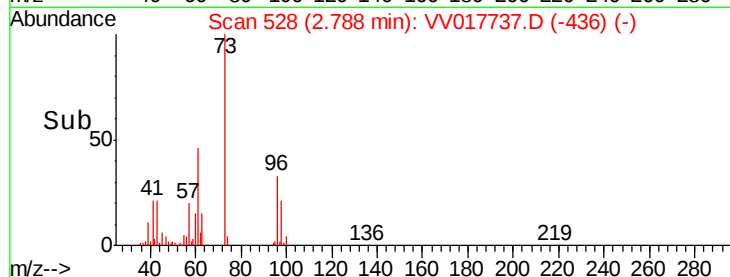
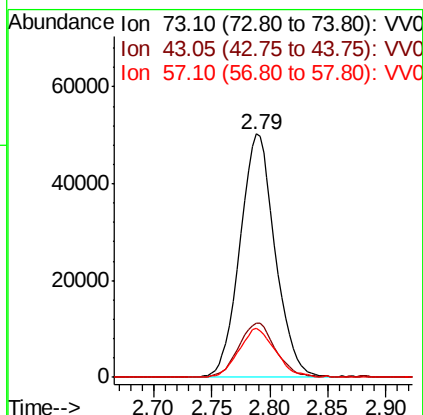
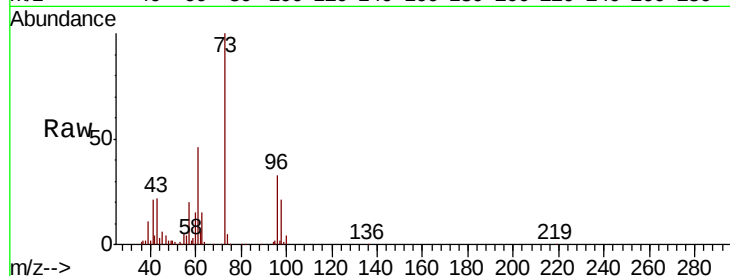


#17

Methvl tert-butvl Ether
 Concen: 5.383 ug/L
 RT: 2.79 min Scan# 528
 Delta R.T. -0.00 min
 Lab File: VV017737.D
 Acq: 29 Jul 2020 17:53

Instrument :
 MSVOA_V
 ClientSampleId :

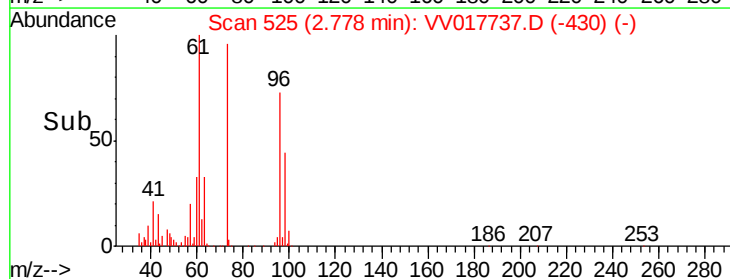
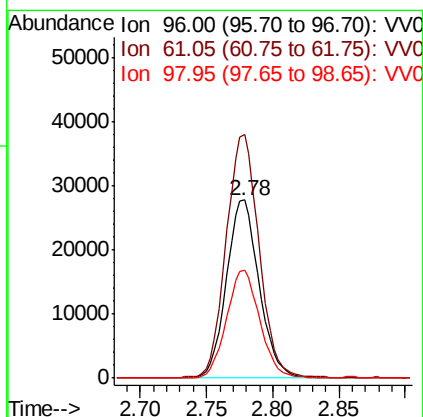
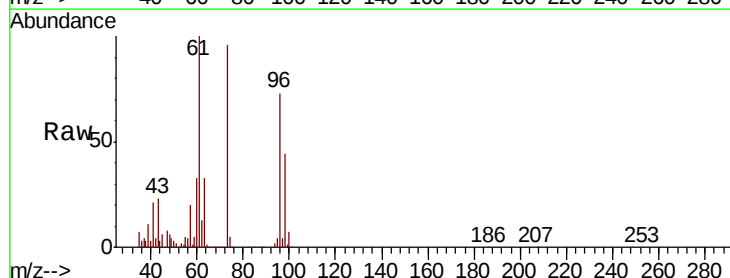
Tot Ion	Ratio	Lower	Upper
73	100		
43	23.5	18.3	27.5
57	20.9	16.7	25.1

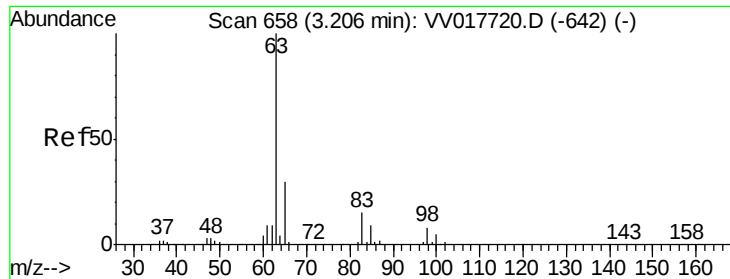


#18

trans-1,2-Dichloroethene
 Concen: 5.697 ug/L
 RT: 2.78 min Scan# 525
 Delta R.T. 0.01 min
 Lab File: VV017737.D
 Acq: 29 Jul 2020 17:53

Tgt Ion	Ratio	Lower	Upper
96	100		
61	136.8	96.0	178.4
98	60.6	43.5	80.9

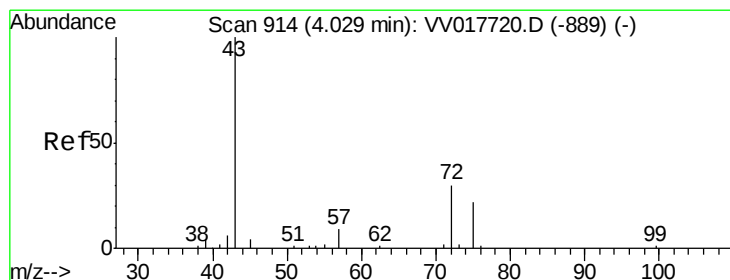
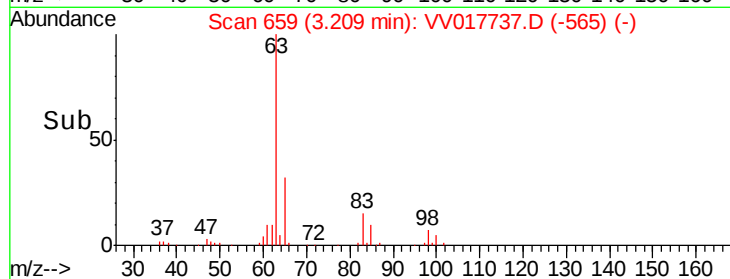
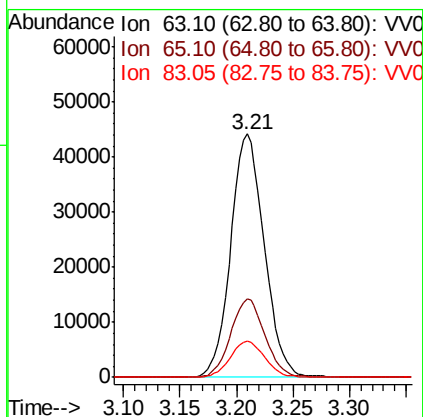
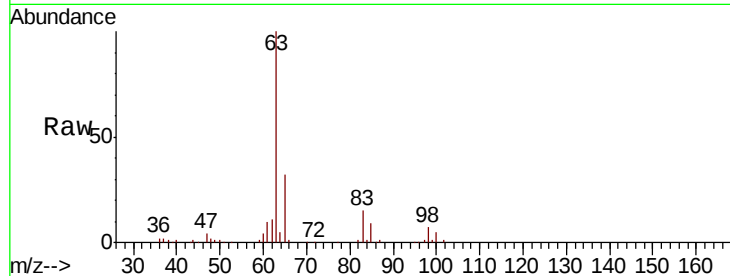




#19
 1,1-Dichloroethane
 Concen: 5.193 ug/L
 RT: 3.21 min Scan# 659
 Delta R.T. 0.00 min
 Lab File: VV017737.D
 Acq: 29 Jul 2020 17:53

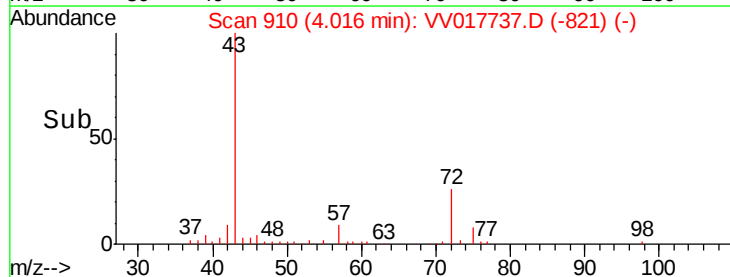
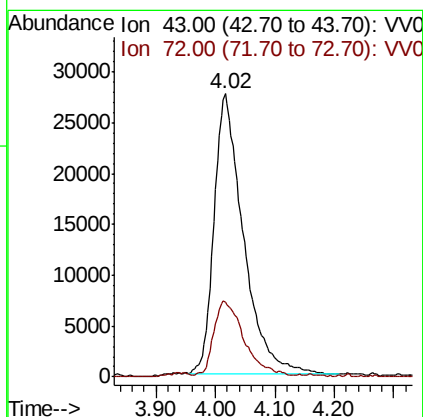
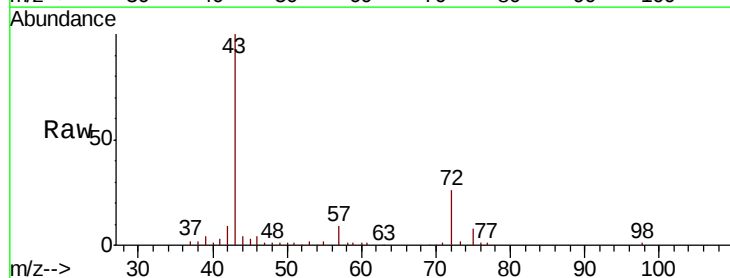
Instrument :
 MSVOA_V
 ClientSampleId :

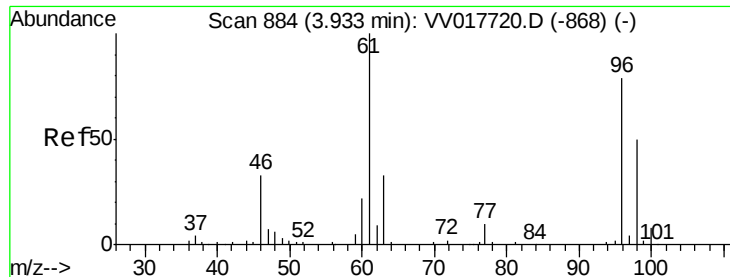
Tot Ion: 63 Resp: 91437
 Ion Ratio Lower Upper
 63 100
 65 32.3 21.4 39.8
 83 14.8 10.4 19.4



#21
 2-Butanone
 Concen: 43.829 ug/L
 RT: 4.02 min Scan# 910
 Delta R.T. -0.01 min
 Lab File: VV017737.D
 Acq: 29 Jul 2020 17:53

Tgt Ion: 43 Resp: 94447
 Ion Ratio Lower Upper
 43 100
 72 27.4 13.0 38.9



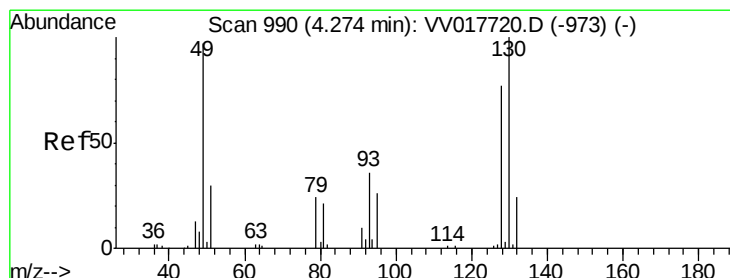
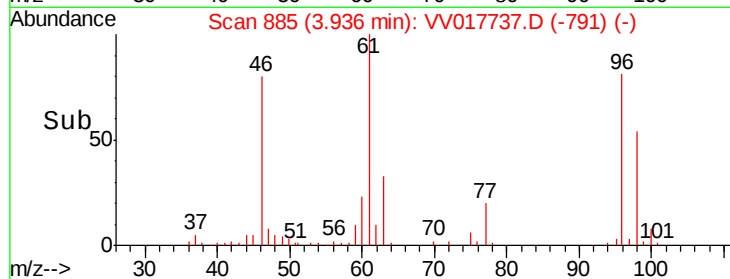
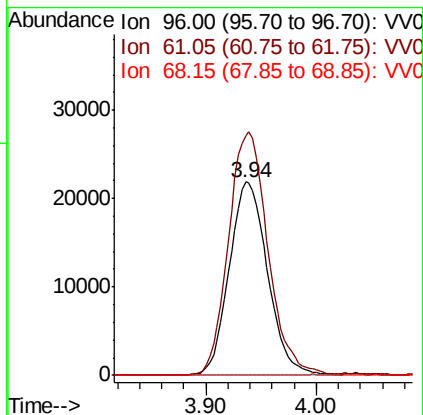
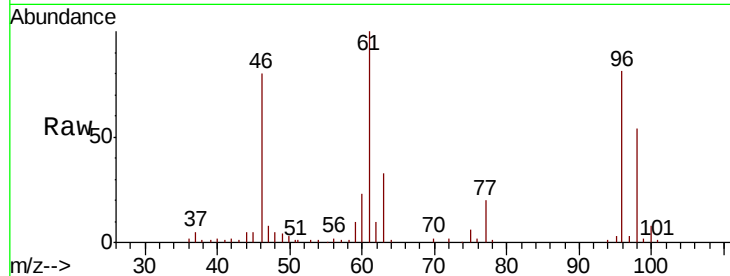


#22

cis-1,2-Dichloroethene
 Concen: 5.005 ug/L
 RT: 3.94 min Scan# 885
 Delta R.T. 0.00 min
 Lab File: VV017737.D
 Acq: 29 Jul 2020 17:53

Instrument :
 MSVOA_V
 ClientSampleId :

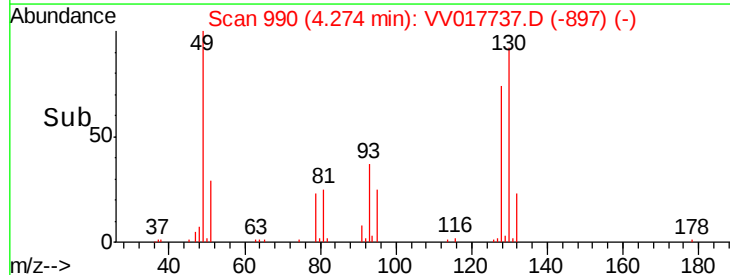
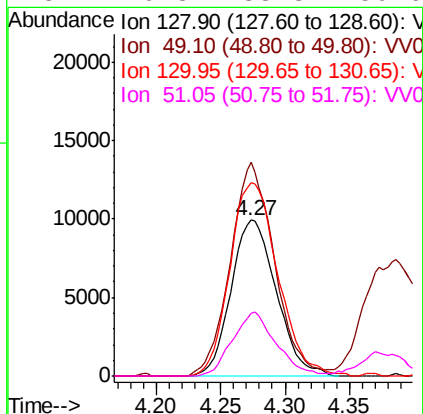
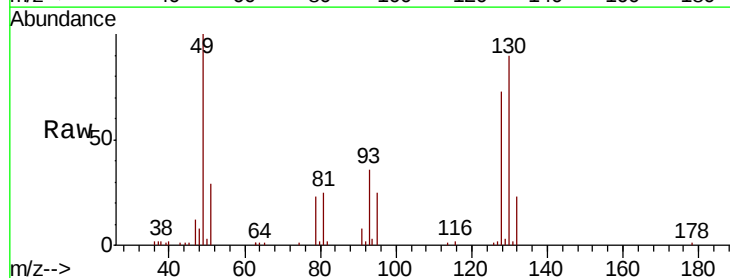
Tot Ion: 96 Resp: 52783
 Ion Ratio Lower Upper
 96 100
 61 123.8 89.6 166.4
 68 0.0 0.0 0.0

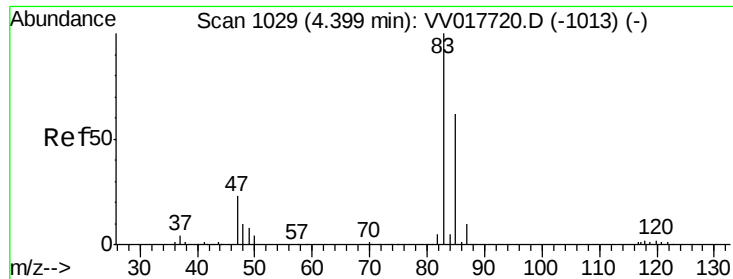


#23

Bromochloromethane
 Concen: 4.997 ug/L
 RT: 4.27 min Scan# 990
 Delta R.T. -0.00 min
 Lab File: VV017737.D
 Acq: 29 Jul 2020 17:53

Tgt Ion: 128 Resp: 24284
 Ion Ratio Lower Upper
 128 100
 49 137.1 92.2 171.2
 130 124.0 77.2 143.4
 51 40.3 33.8 50.6

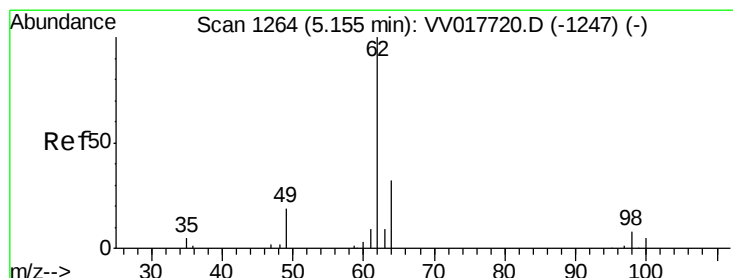
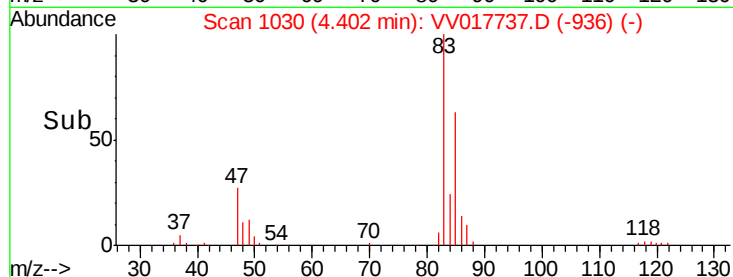
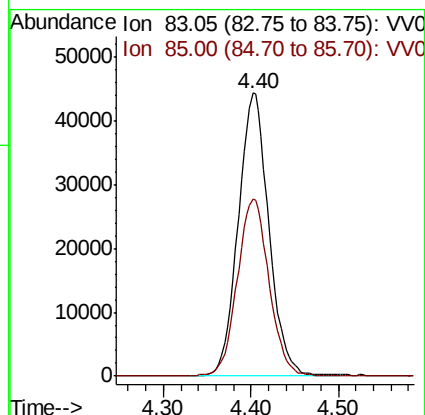
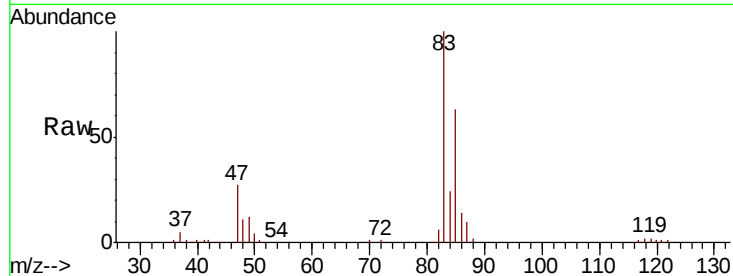




#25
Chloroform
Concen: 5.453 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VV017737.D
Acq: 29 Jul 2020 17:53

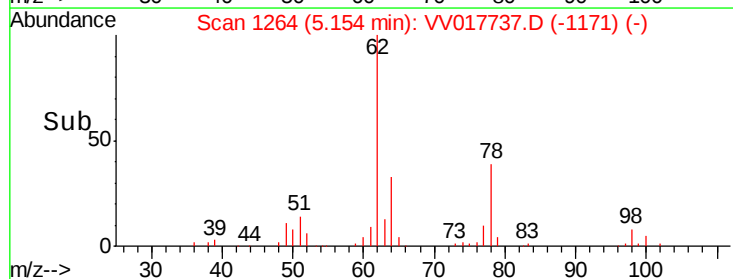
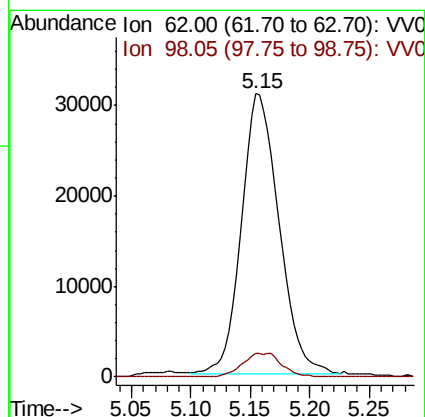
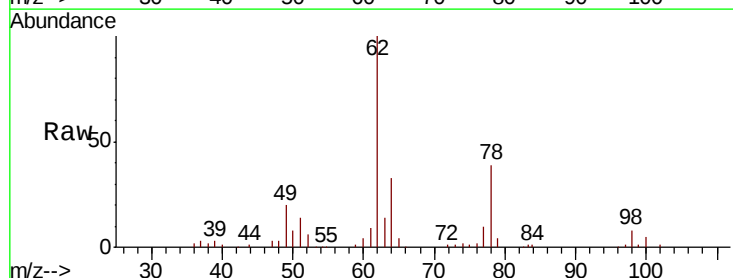
Instrument :
MSVOA_V
ClientSampleId :

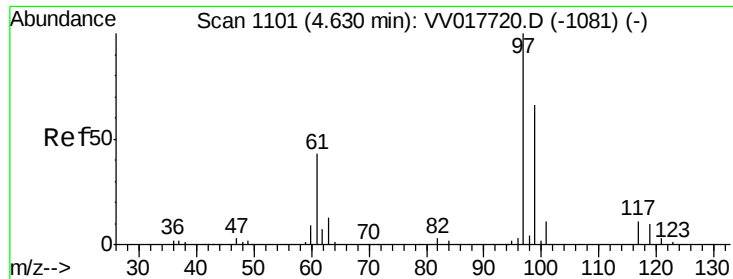
Tot Ion: 83 Resp: 107775
Ion Ratio Lower Upper
83 100
85 62.7 47.3 87.9



#27
1,2-Dichloroethane
Concen: 5.270 ug/L
RT: 5.15 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VV017737.D
Acq: 29 Jul 2020 17:53

Tgt Ion: 62 Resp: 67535
Ion Ratio Lower Upper
62 100
98 8.2 7.0 10.6

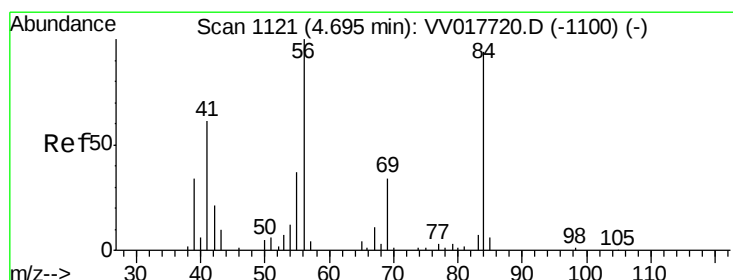
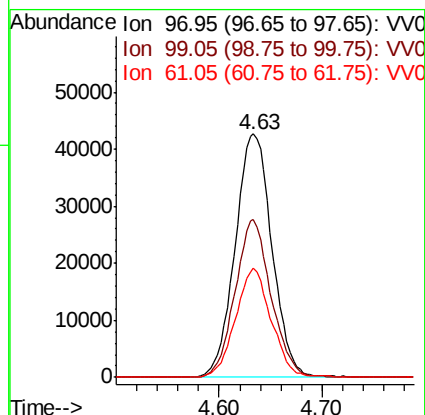
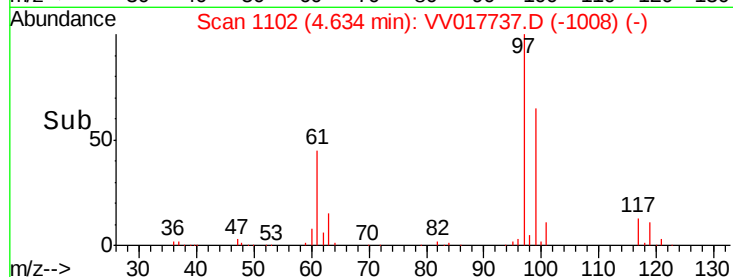
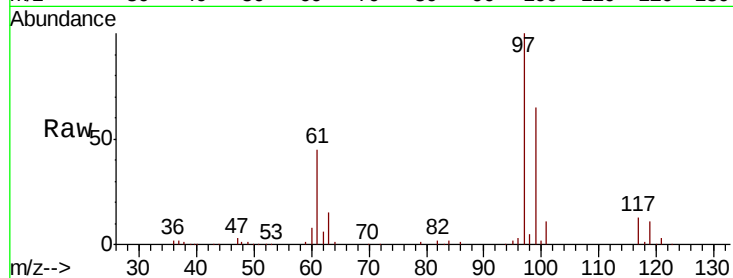




#29
1,1,1-Trichloroethane
Concen: 5.536 ug/L
RT: 4.63 min Scan# 1102
Delta R.T. 0.00 min
Lab File: VV017737.D
Acq: 29 Jul 2020 17:53

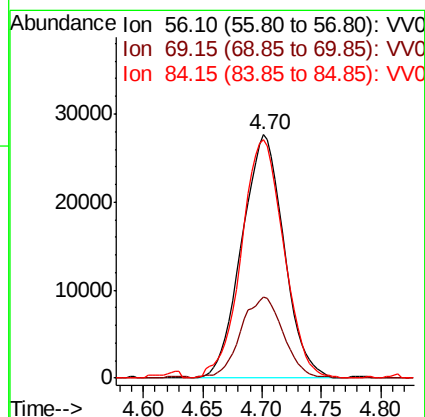
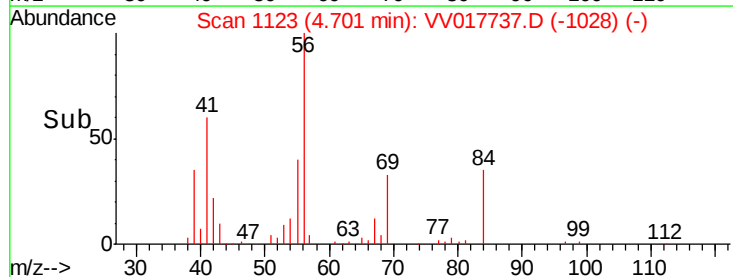
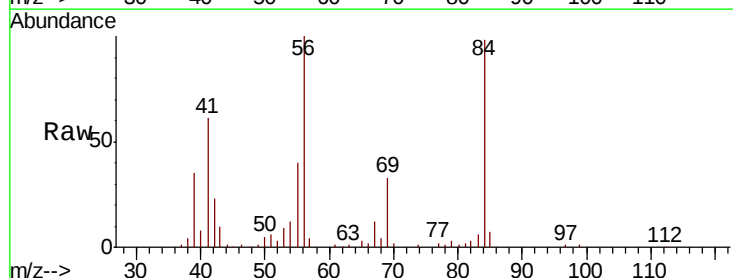
Instrument :
MSVOA_V
ClientSampled :

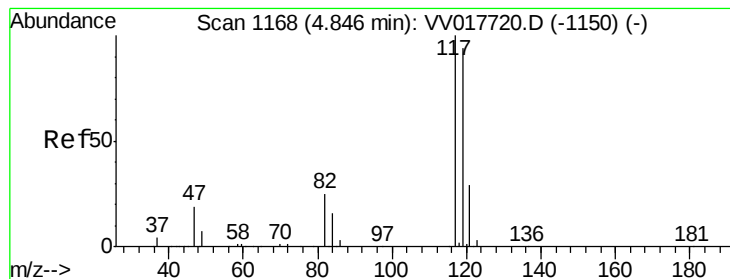
Tot Ion: 97 Resp: 106063
Ion Ratio Lower Upper
97 100
99 63.2 50.6 76.0
61 43.3 35.7 53.5



#30
Cyclohexane
Concen: 4.465 ug/L
RT: 4.70 min Scan# 1123
Delta R.T. 0.01 min
Lab File: VV017737.D
Acq: 29 Jul 2020 17:53

Tgt Ion: 56 Resp: 67767
Ion Ratio Lower Upper
56 100
69 33.7 25.4 38.2
84 98.6 73.0 109.4





#31

Carbon tetrachloride

Concen: 5.592 ug/L

RT: 4.85 min Scan# 1169

Delta R.T. 0.00 min

Lab File: VV017737.D

Acq: 29 Jul 2020 17:53

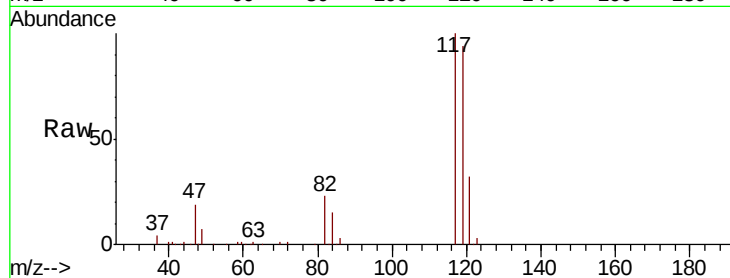
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:117 Resp: 95285

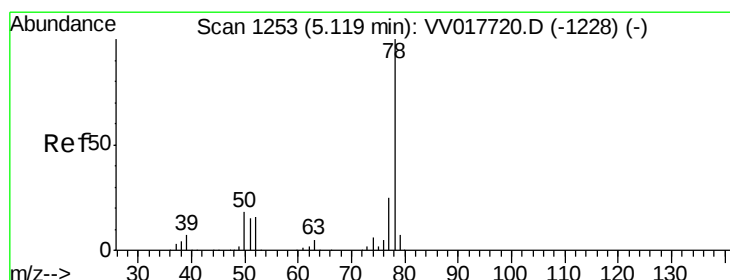
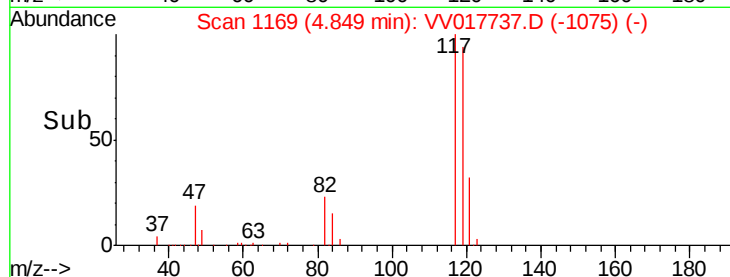
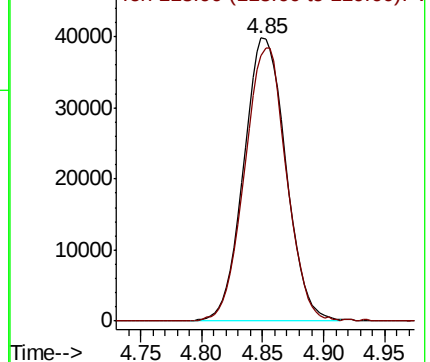
Ion Ratio Lower Upper

117 100

119 95.7 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: 5.111 ug/L

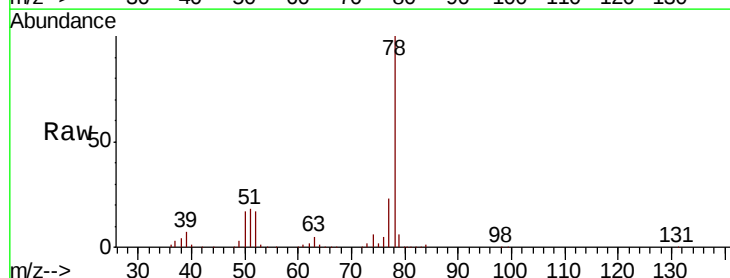
RT: 5.13 min Scan# 1255

Delta R.T. 0.01 min

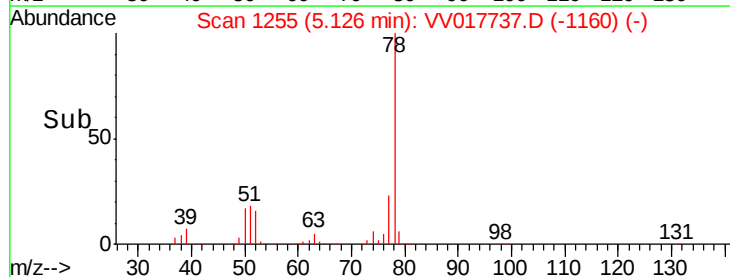
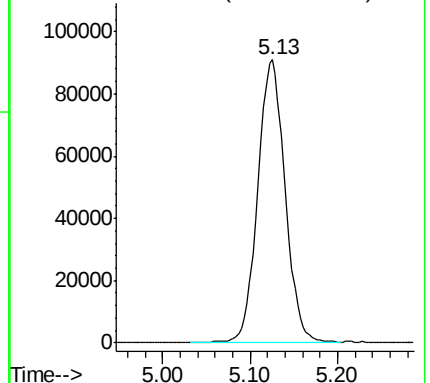
Lab File: VV017737.D

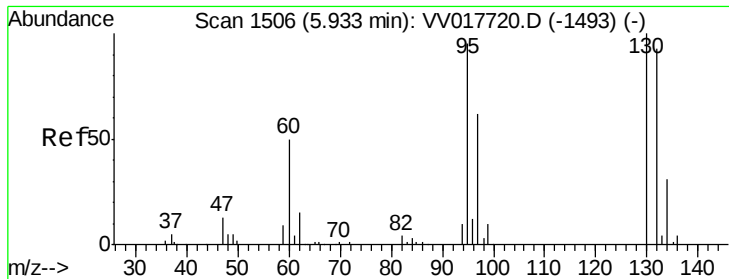
Acq: 29 Jul 2020 17:53

Tgt Ion: 78 Resp: 198097



Abundance Ion 78.10 (77.80 to 78.80): VV0

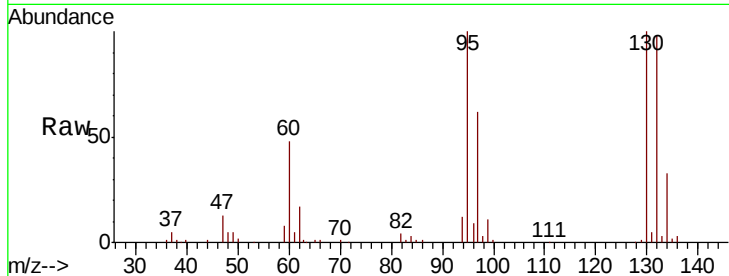




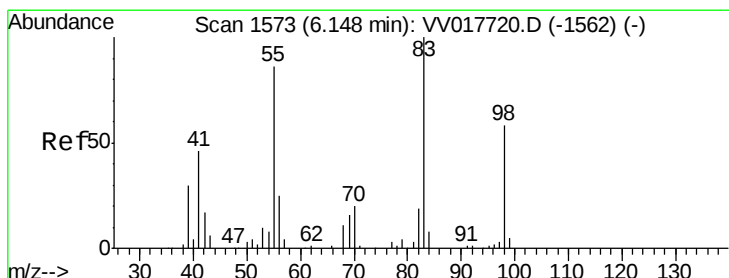
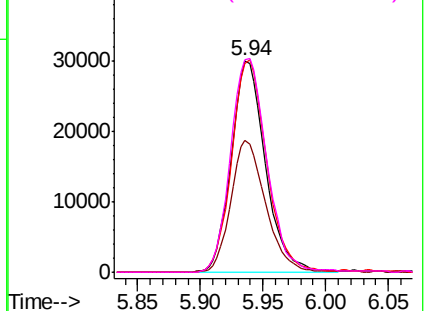
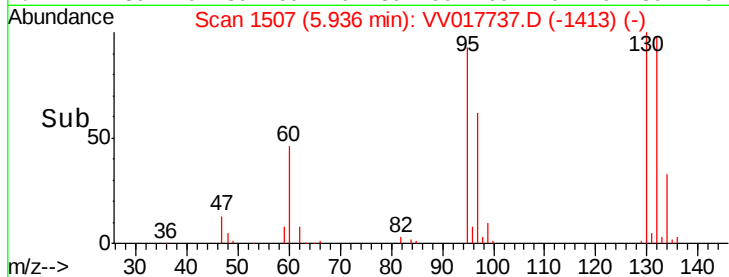
#34
 Trichloroethene
 Concen: 5.261 ug/L
 RT: 5.94 min Scan# 1507
 Delta R.T. 0.00 min
 Lab File: VV017737.D
 Acq: 29 Jul 2020 17:53

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 95 Resp: 56959
 Ion Ratio Lower Upper
 95 100
 97 62.2 46.1 85.5
 132 98.9 71.7 133.1
 130 100.5 74.3 137.9

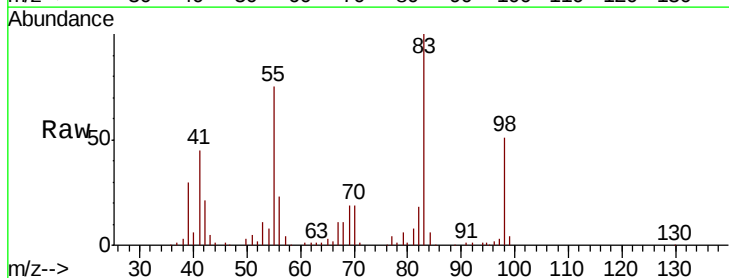


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 96.95 (96.65 to 97.65): VV0
 Ion 131.95 (131.65 to 132.65): VV0
 Ion 129.95 (129.65 to 130.65): VV0

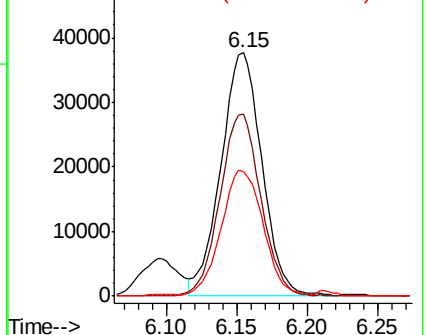
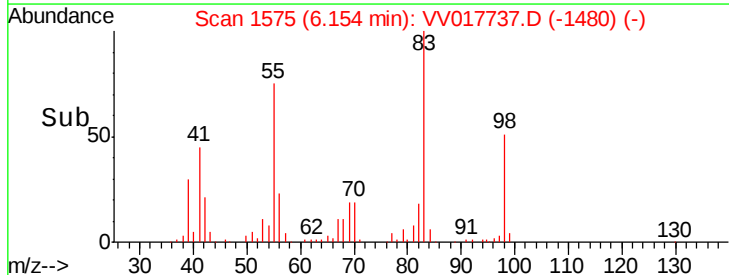


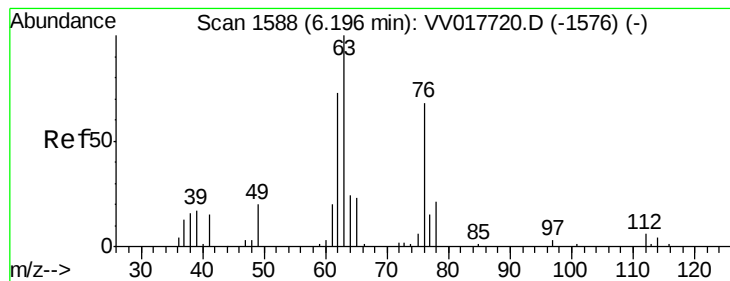
#35
 Methylcyclohexane
 Concen: 4.643 ug/L
 RT: 6.15 min Scan# 1575
 Delta R.T. 0.01 min
 Lab File: VV017737.D
 Acq: 29 Jul 2020 17:53

Tgt Ion: 83 Resp: 76034
 Ion Ratio Lower Upper
 83 100
 55 75.0 61.8 92.8
 98 53.6 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: 4.841 ug/L

RT: 6.20 min Scan# 1589

Delta R.T. 0.00 min

Lab File: VV017737.D

Acq: 29 Jul 2020 17:53

Instrument :

MSVOA_V

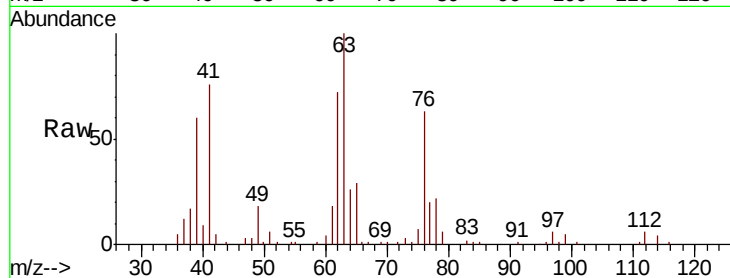
ClientSampleId :

Tot Ion: 63 Resp: 44096

Ion Ratio Lower Upper

63 100

112 5.6 4.5 6.7



Abundance Ion 63.10 (62.80 to 63.80): VV017737.D (-1495) (-)

Ion 112.10 (111.80 to 112.80): VV017737.D (-1495) (-)

6.20

25000

20000

15000

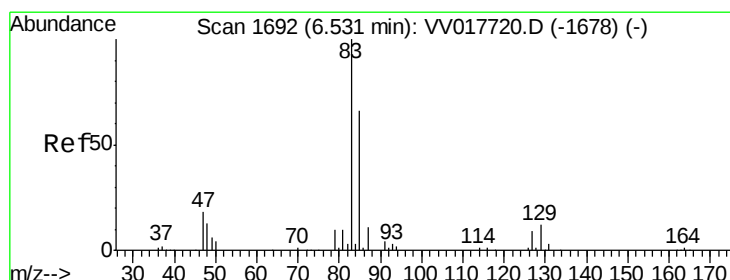
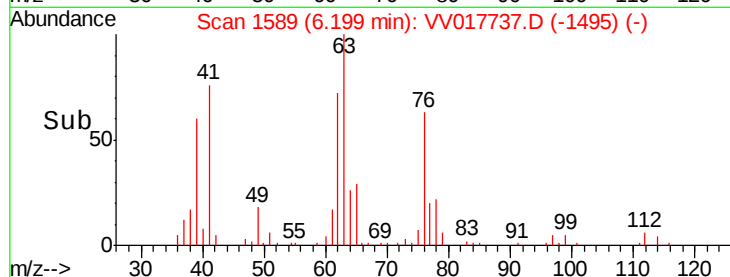
10000

5000

0

6.15 6.20 6.25

Time-->



#38

Bromodichloromethane

Concen: 5.317 ug/L

RT: 6.53 min Scan# 1693

Delta R.T. 0.00 min

Lab File: VV017737.D

Acq: 29 Jul 2020 17:53

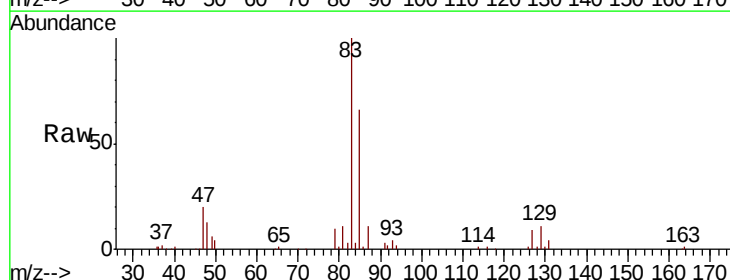
Tgt Ion: 83 Resp: 71245

Ion Ratio Lower Upper

83 100

85 65.8 44.7 83.1

127 8.8 7.4 11.0



Abundance Ion 82.95 (82.65 to 83.65): VV017737.D (-1599) (-)

Ion 85.00 (84.70 to 85.70): VV017737.D (-1599) (-)

Ion 126.90 (126.60 to 127.60): VV017737.D (-1599) (-)

6.53

50000

40000

30000

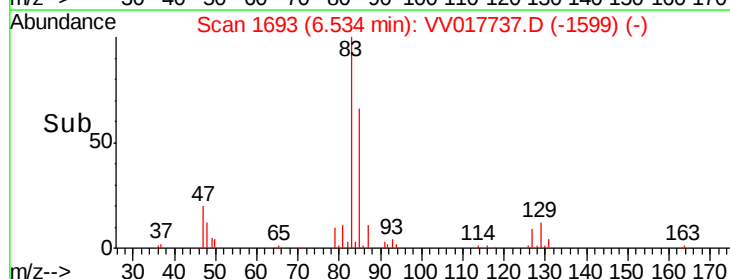
20000

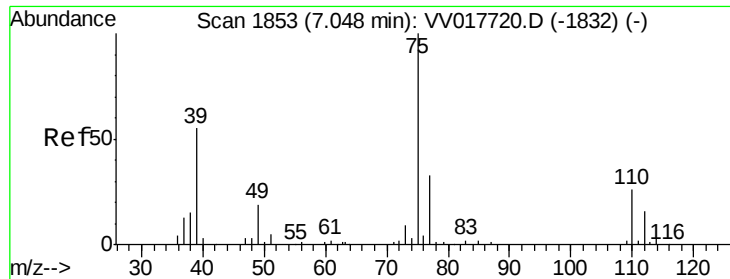
10000

0

6.45 6.50 6.55 6.60

Time-->

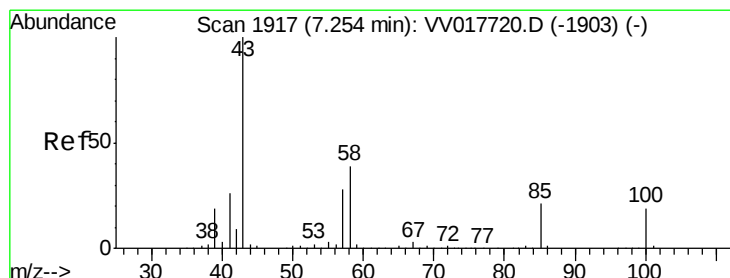
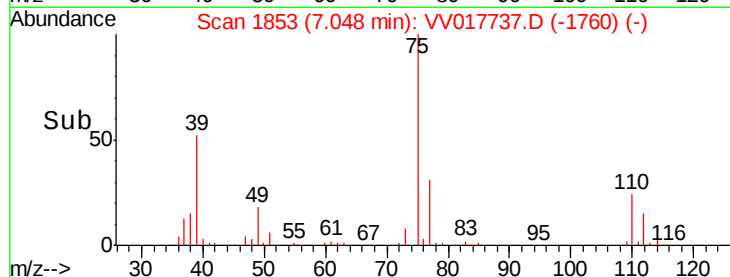
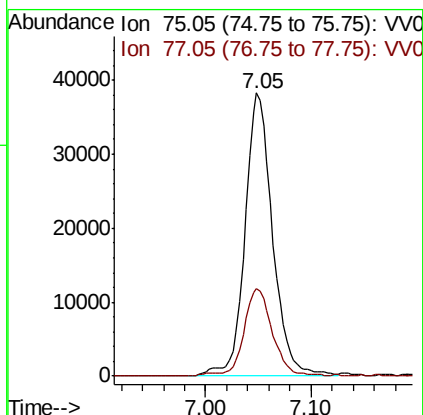
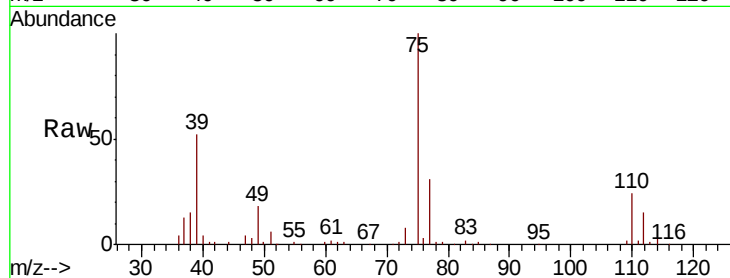




#39
 cis-1,3-Dichloropropene
 Concen: 5.079 ug/L
 RT: 7.05 min Scan# 1853
 Delta R.T. -0.00 min
 Lab File: VV017737.D
 Acq: 29 Jul 2020 17:53

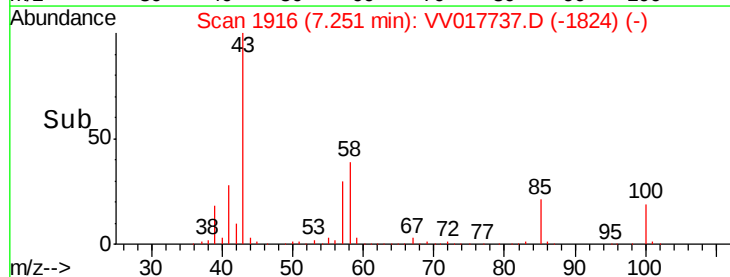
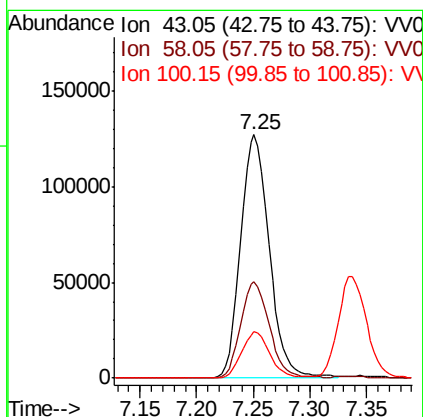
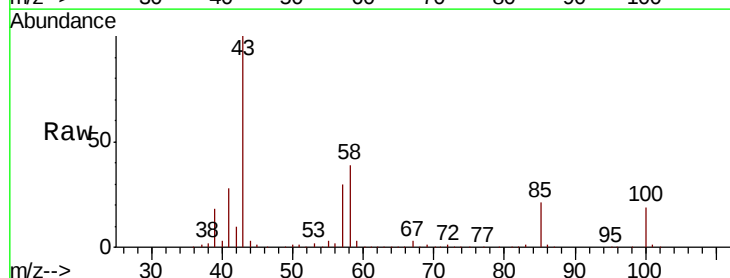
Instrument :
 MSVOA_V
 ClientSampleId :

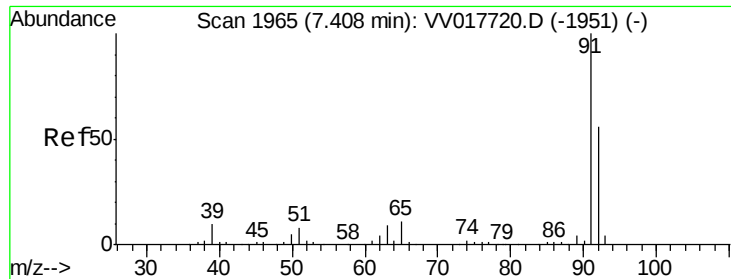
Tot Ion: 75 Resp: 69776
 Ion Ratio Lower Upper
 75 100
 77 31.1 23.2 43.2



#40
 4-Methyl-2-pentanone
 Concen: 45.110 ug/L
 RT: 7.25 min Scan# 1916
 Delta R.T. -0.00 min
 Lab File: VV017737.D
 Acq: 29 Jul 2020 17:53

Tgt Ion: 43 Resp: 225293
 Ion Ratio Lower Upper
 43 100
 58 39.4 31.2 46.8
 100 18.5 13.6 20.4





#42

Toluene

Concen: 5.348 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. -0.00 min

Lab File: VV017737.D

Acq: 29 Jul 2020 17:53

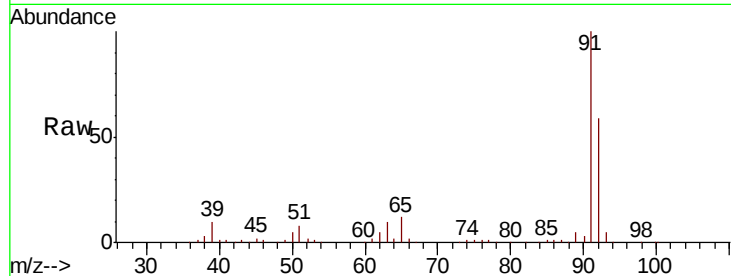
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 226131

Ion Ratio Lower Upper

91 100

92 58.7 40.8 75.8



Abundance Ion 91.15 (90.85 to 91.85): VV017720.D (-1951) (-)

Ion 92.15 (91.85 to 92.85): VV017720.D (-1951) (-)

7.41

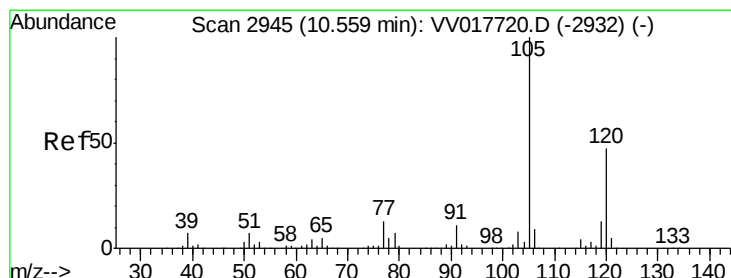
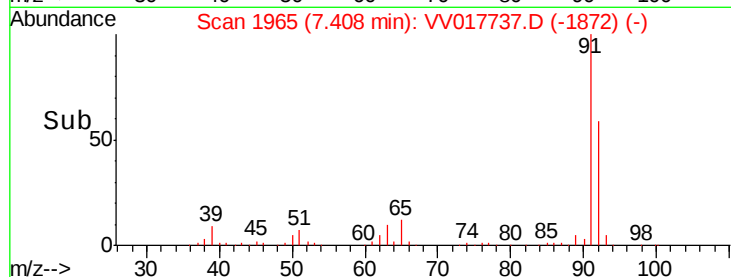
150000

100000

50000

0

Time-->



#43

1,3,5-Trimethylbenzene

Concen: 5.611 ug/L

RT: 10.56 min Scan# 2945

Delta R.T. -0.00 min

Lab File: VV017737.D

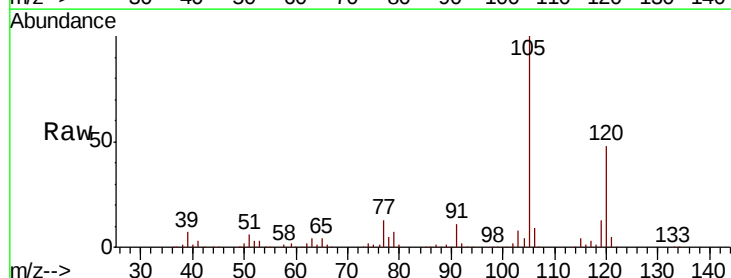
Acq: 29 Jul 2020 17:53

Tgt Ion: 105 Resp: 221495

Ion Ratio Lower Upper

105 100

120 48.4 39.4 59.2



Abundance Ion 105.00 (104.70 to 105.70): VV017720.D (-2932) (-)

Ion 120.00 (119.70 to 120.70): VV017720.D (-2932) (-)

10.56

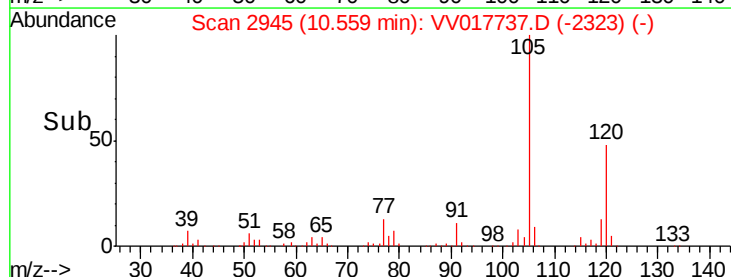
150000

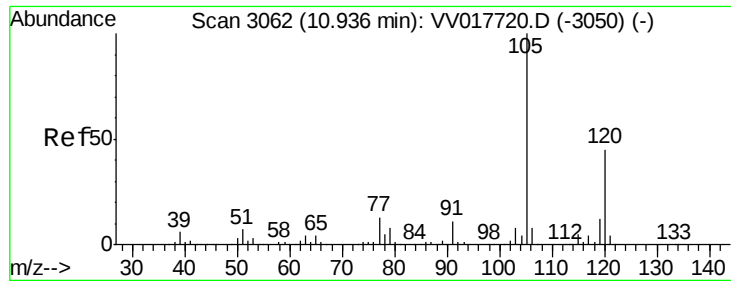
100000

50000

0

Time-->

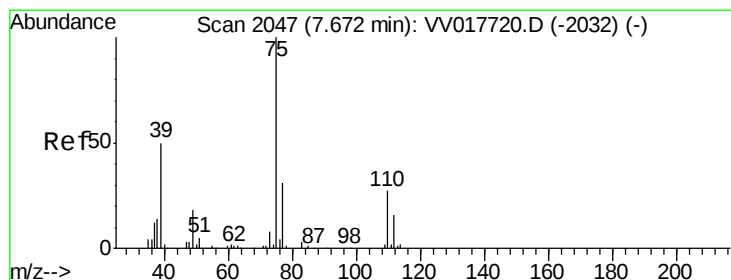
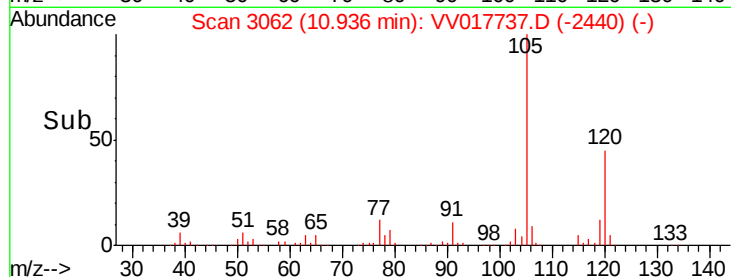
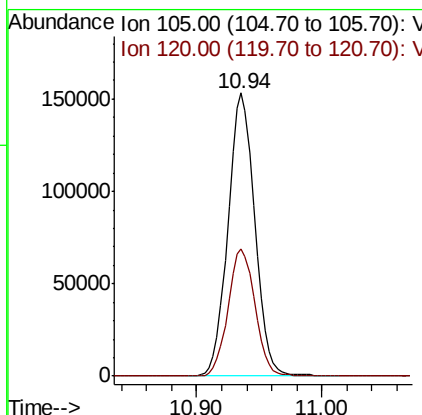
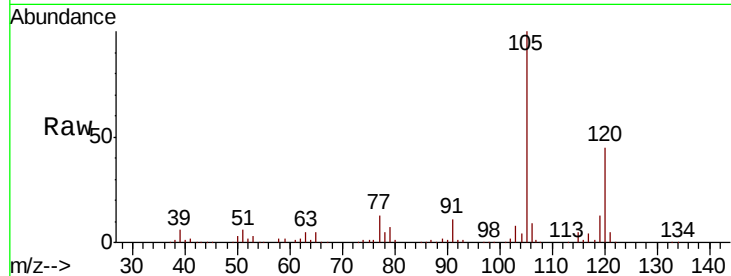




#44
 1,2,4-Trimethylbenzene
 Concen: 5.634 ug/L
 RT: 10.94 min Scan# 3062
 Delta R.T. -0.00 min
 Lab File: VV017737.D
 Acq: 29 Jul 2020 17:53

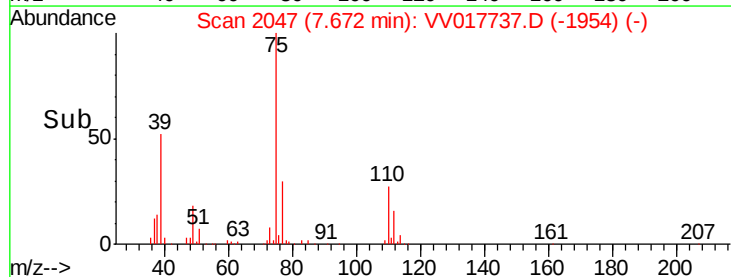
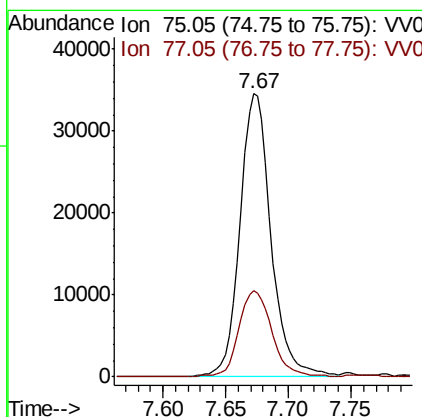
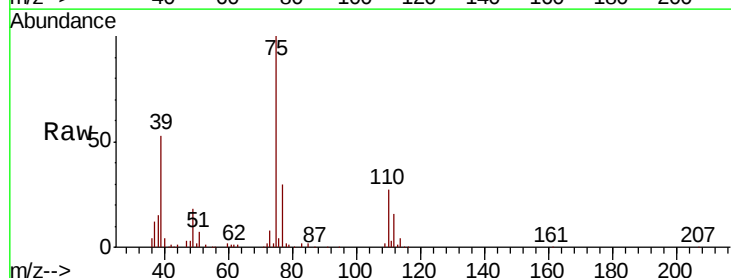
Instrument :
 MSVOA_V
 ClientSampleId :

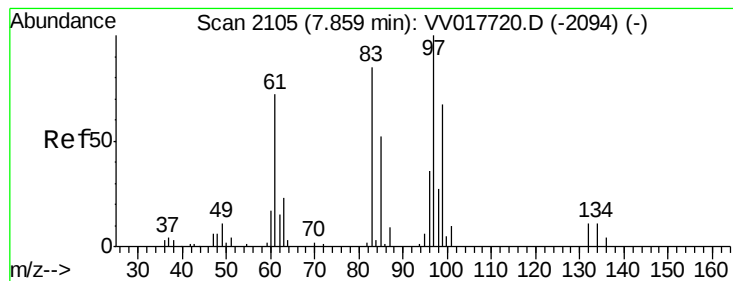
Tot Ion:105 Resp: 227247
 Ion Ratio Lower Upper
 105 100
 120 45.1 35.9 53.9



#46
 trans-1,3-Dichloropropene
 Concen: 4.846 ug/L
 RT: 7.67 min Scan# 2047
 Delta R.T. -0.00 min
 Lab File: VV017737.D
 Acq: 29 Jul 2020 17:53

Tgt Ion: 75 Resp: 59772
 Ion Ratio Lower Upper
 75 100
 77 30.4 22.5 41.7





#47

1,1,2-Trichloroethane

Concen: 4.799 ug/L

RT: 7.86 min Scan# 2106

Delta R.T. 0.00 min

Lab File: VV017737.D

Acq: 29 Jul 2020 17:53

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 97 Resp: 33150

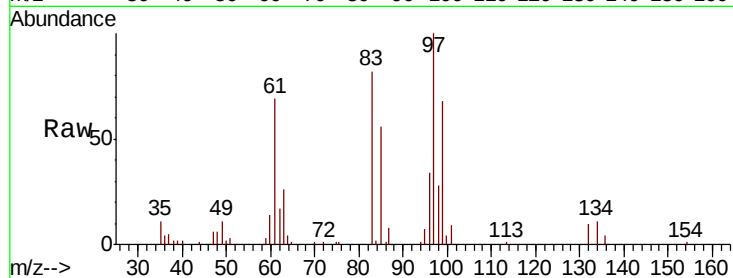
Ion Ratio Lower Upper

97 100

99 67.5 39.5 73.4

83 81.6 52.6 97.6

85 55.8 35.1 65.1

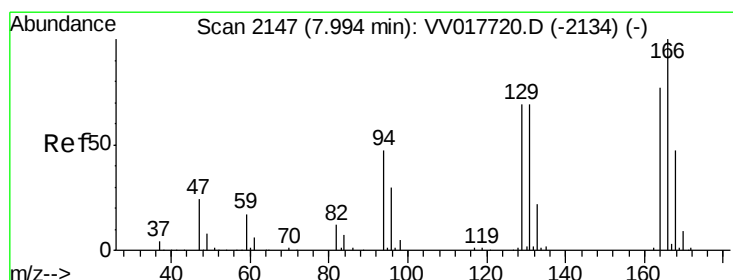
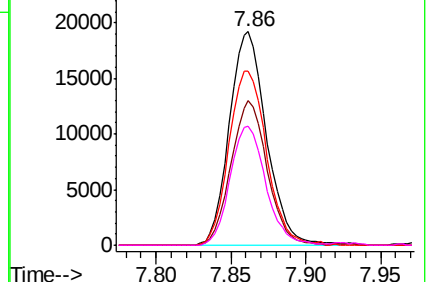
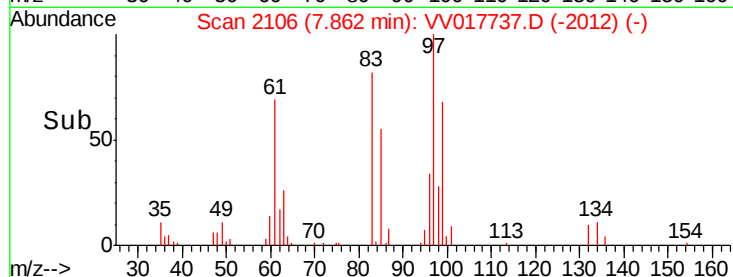


Abundance Ion 96.95 (96.65 to 97.65): VV017720.D (-2094) (-)

Ion 99.05 (98.75 to 99.75): VV017720.D (-2094) (-)

Ion 82.95 (82.65 to 83.65): VV017720.D (-2094) (-)

Ion 85.00 (84.70 to 85.70): VV017720.D (-2094) (-)



#49

Tetrachloroethene

Concen: 5.288 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. 0.00 min

Lab File: VV017737.D

Acq: 29 Jul 2020 17:53

Tgt Ion: 164 Resp: 50471

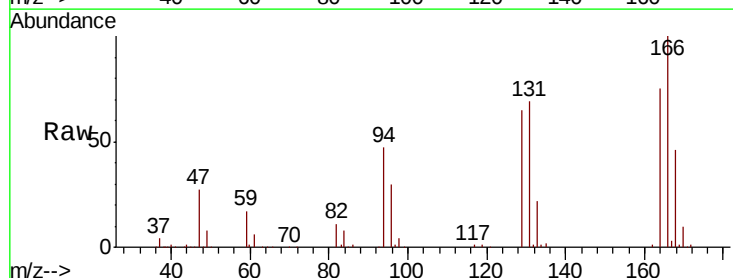
Ion Ratio Lower Upper

164 100

129 86.9 65.0 120.8

131 92.2 63.6 118.2

166 134.0 91.7 170.3

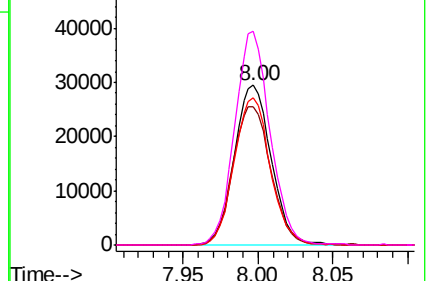
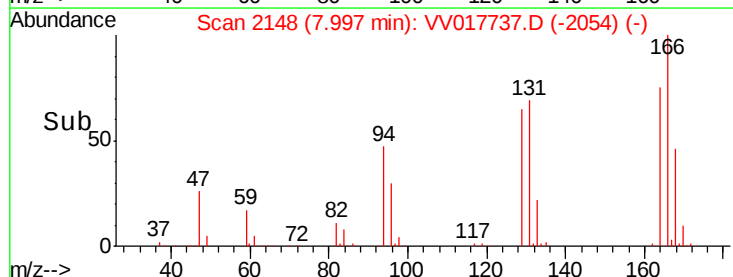


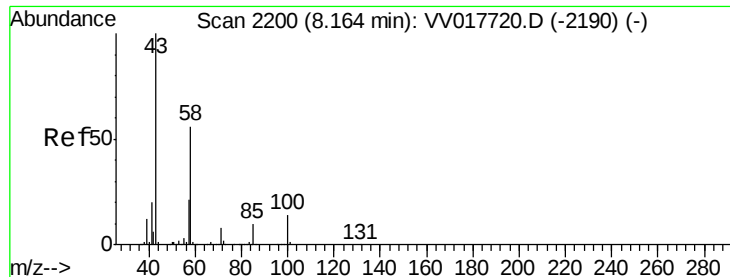
Abundance Ion 163.90 (163.60 to 164.60): VV017720.D (-2134) (-)

Ion 128.95 (128.65 to 129.65): VV017720.D (-2134) (-)

Ion 130.95 (130.65 to 131.65): VV017720.D (-2134) (-)

Ion 165.90 (165.60 to 166.60): VV017720.D (-2134) (-)

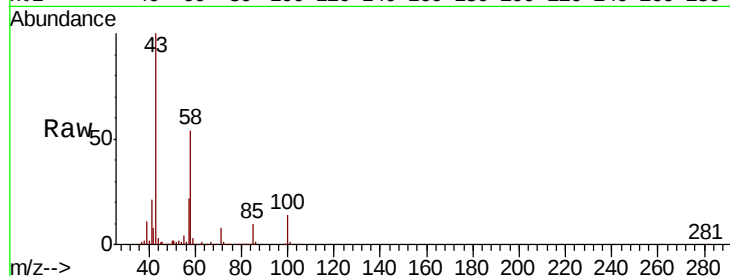




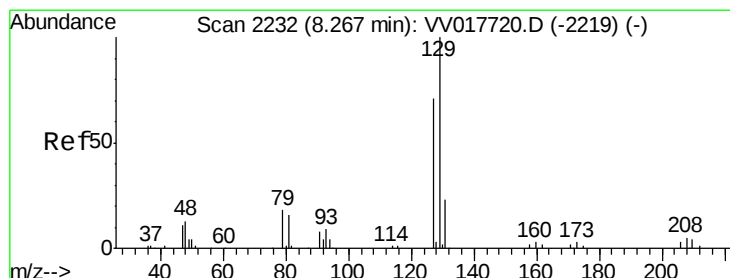
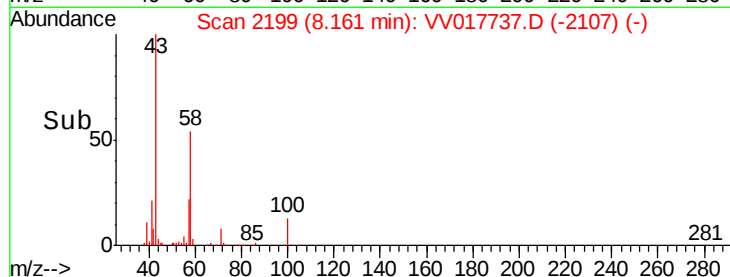
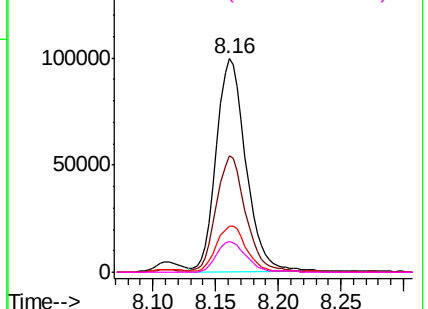
#50
2-Hexanone
Concen: 46.274 ug/L
RT: 8.16 min Scan# 2199
Delta R.T. -0.00 min
Lab File: VV017737.D
Acq: 29 Jul 2020 17:53

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 163525
Ion Ratio Lower Upper
43 100
58 53.2 41.6 62.4
57 21.7 15.4 23.0
100 14.4 11.2 16.8

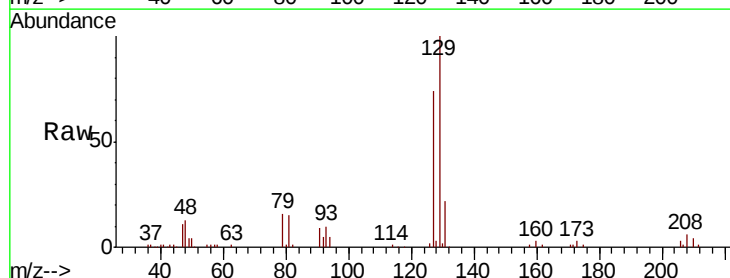


Abundance Ion 43.05 (42.75 to 43.75): VV017737.D (-2199) (-)
Ion 58.05 (57.75 to 58.75): VV017737.D (-2199) (-)
Ion 57.20 (56.90 to 57.90): VV017737.D (-2199) (-)
Ion 100.15 (99.85 to 100.85): VV017737.D (-2199) (-)

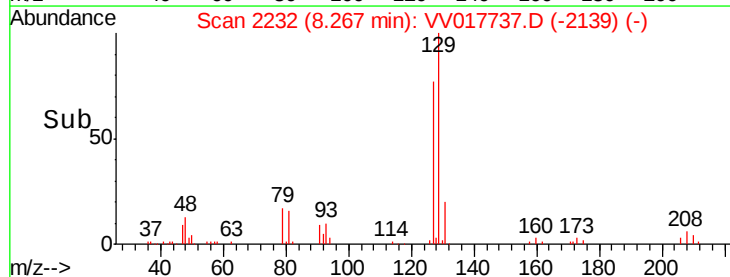
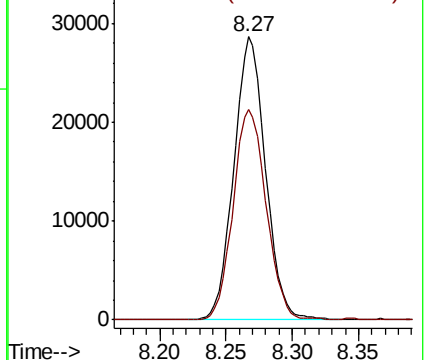


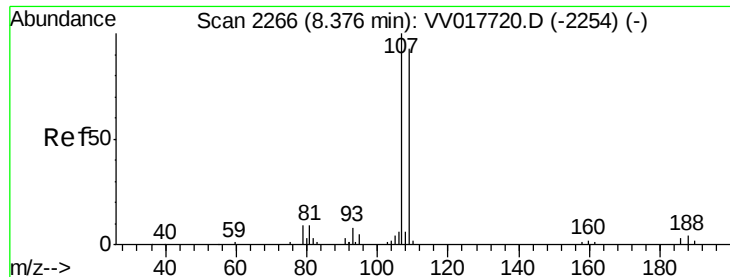
#51
Dibromochloromethane
Concen: 5.404 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. -0.00 min
Lab File: VV017737.D
Acq: 29 Jul 2020 17:53

Tgt Ion: 129 Resp: 47515
Ion Ratio Lower Upper
129 100
127 74.4 56.3 104.5



Abundance Ion 128.95 (128.65 to 129.65): VV017737.D (-2239) (-)
Ion 126.90 (126.60 to 127.60): VV017737.D (-2239) (-)





#52

1,2-Dibromoethane

Concen: 4.918 ug/L

RT: 8.38 min Scan# 2266

Delta R.T. -0.00 min

Lab File: VV017737.D

Acq: 29 Jul 2020 17:53

Instrument :
MSVOA_V
ClientSampled :

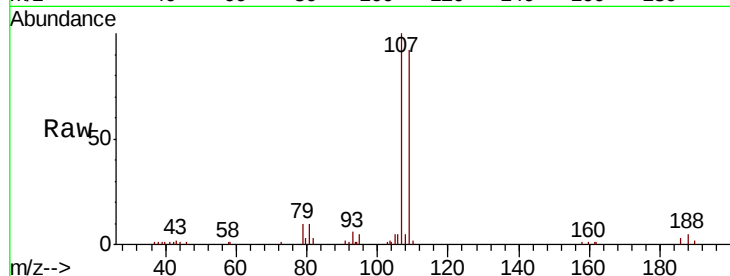
Tot Ion:107 Resp: 32063

Ion Ratio Lower Upper

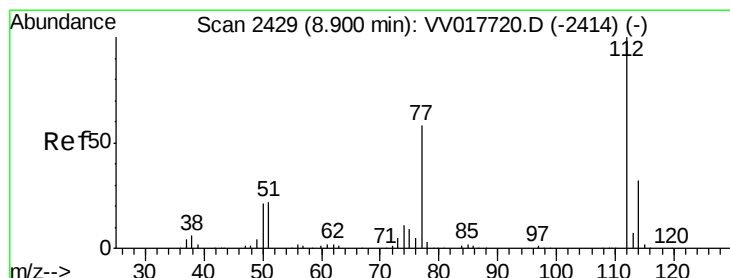
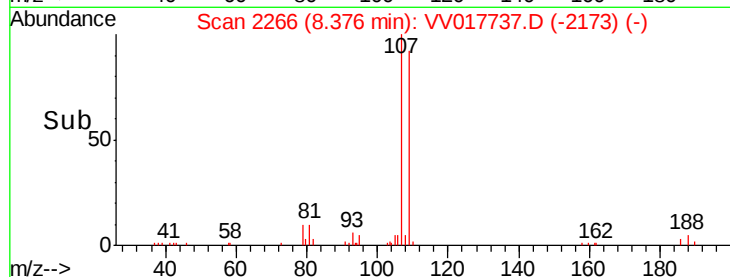
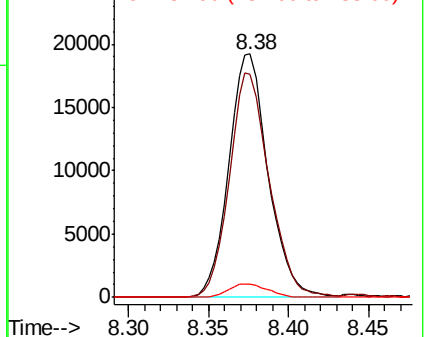
107 100

109 91.6 65.5 121.7

188 5.2 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: 5.202 ug/L

RT: 8.90 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VV017737.D

Acq: 29 Jul 2020 17:53

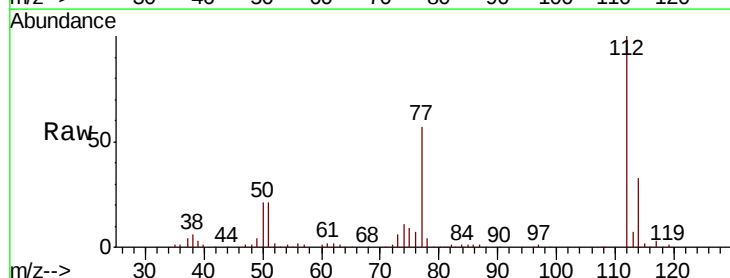
Tgt Ion:112 Resp: 146639

Ion Ratio Lower Upper

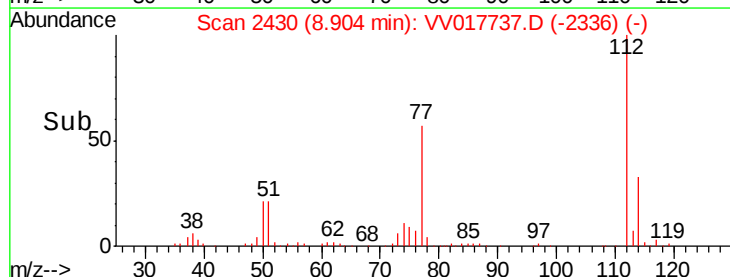
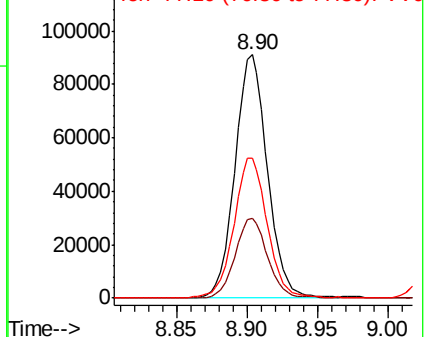
112 100

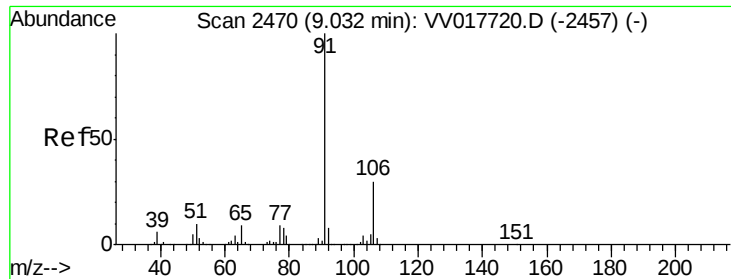
114 32.7 23.2 43.2

77 57.3 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: 5.361 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. -0.00 min

Lab File: VV017737.D

Acq: 29 Jul 2020 17:53

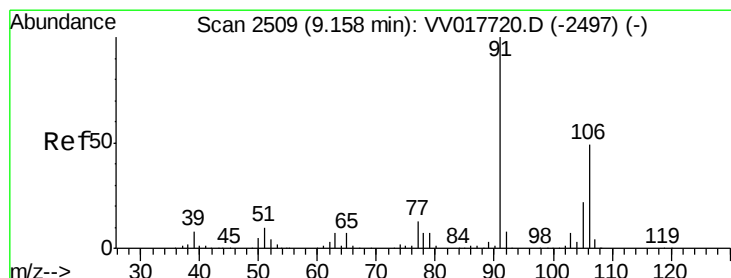
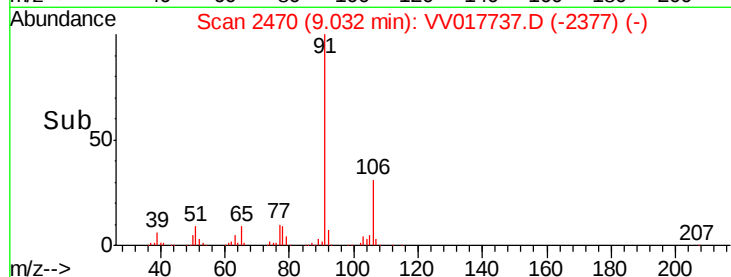
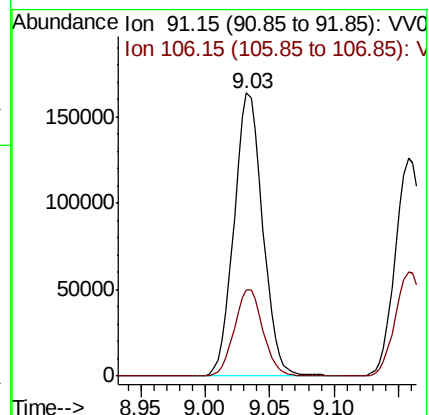
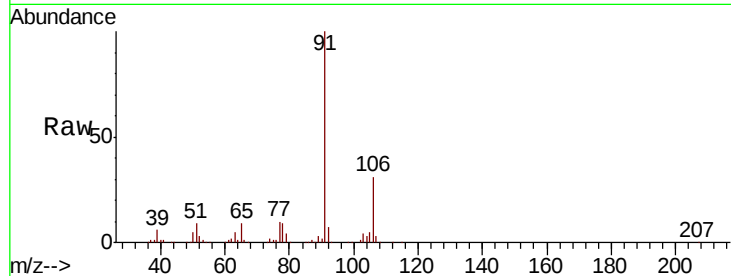
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 253778

Ion Ratio Lower Upper

91 100

106 30.6 21.6 40.2



#55

m,p-xylene

Concen: 5.489 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VV017737.D

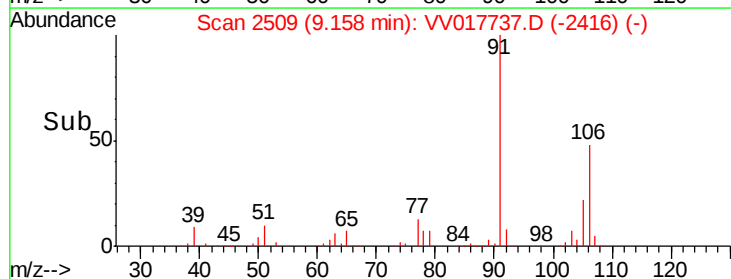
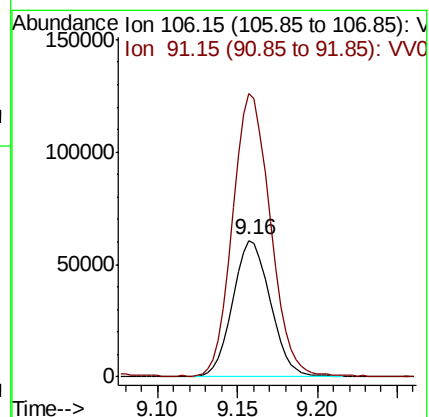
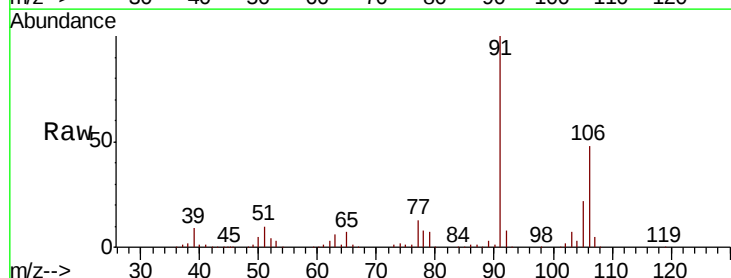
Acq: 29 Jul 2020 17:53

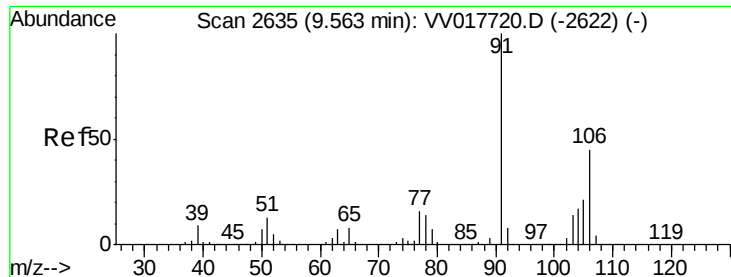
Tgt Ion: 106 Resp: 97863

Ion Ratio Lower Upper

106 100

91 207.8 141.3 262.3

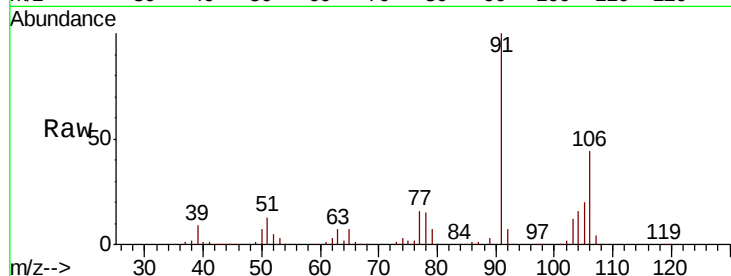




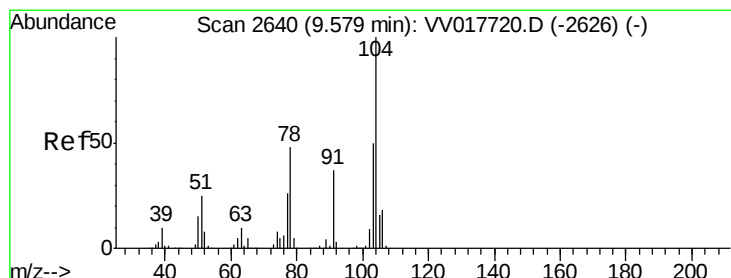
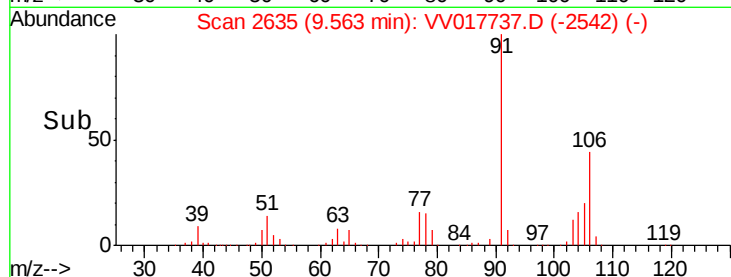
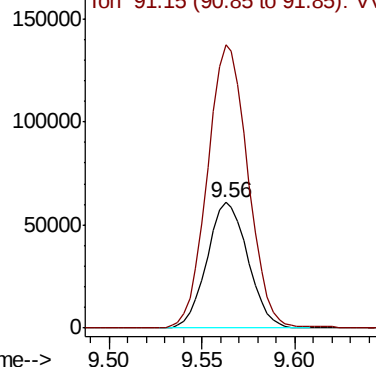
#56
o-xylene
Concen: 5.380 ug/L
RT: 9.56 min Scan# 2635
Delta R.T. -0.00 min
Lab File: VV017737.D
Acq: 29 Jul 2020 17:53

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:106 Resp: 93086
Ion Ratio Lower Upper
106 100
91 225.0 153.9 285.7

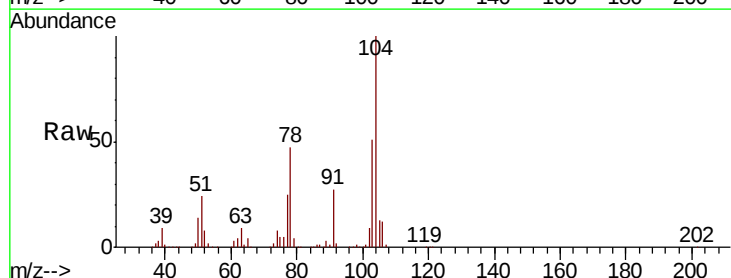


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VV0

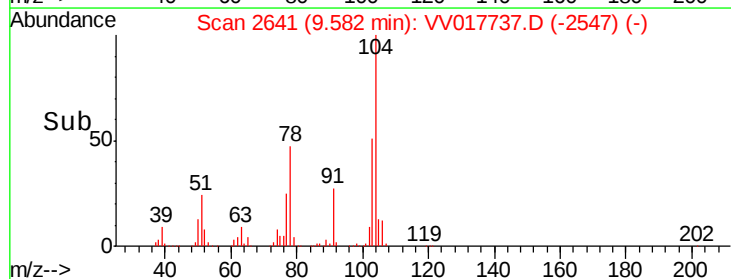
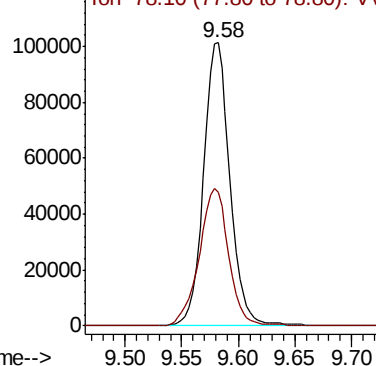


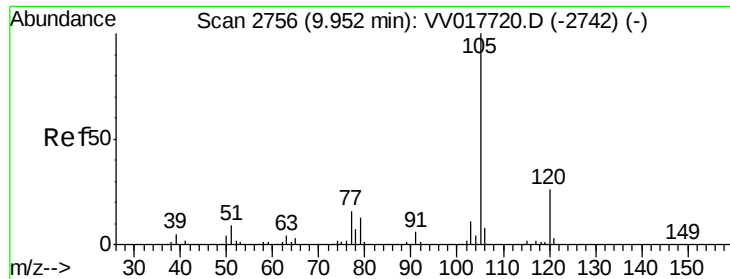
#57
Styrene
Concen: 5.690 ug/L
RT: 9.58 min Scan# 2641
Delta R.T. 0.00 min
Lab File: VV017737.D
Acq: 29 Jul 2020 17:53

Tgt Ion:104 Resp: 164261
Ion Ratio Lower Upper
104 100
78 47.3 34.0 63.2



Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VV0





#58

Isopropylbenzene

Concen: 5.531 ug/L

RT: 9.95 min Scan# 2756

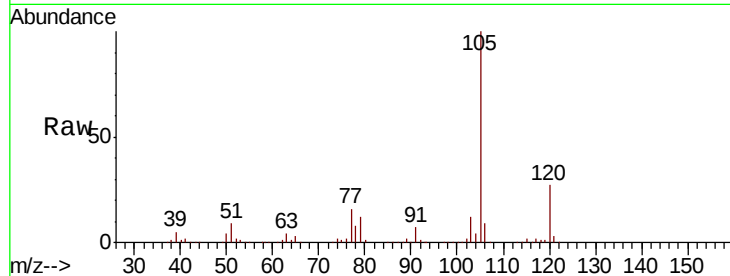
Delta R.T. -0.00 min

Lab File: VV017737.D

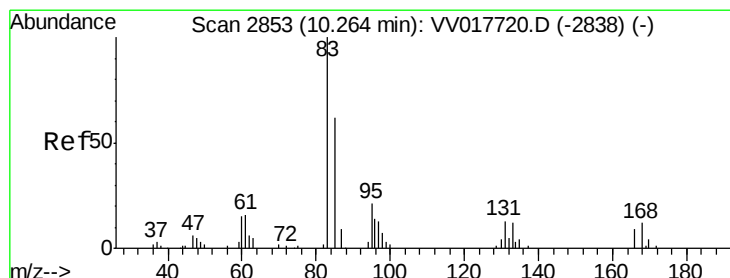
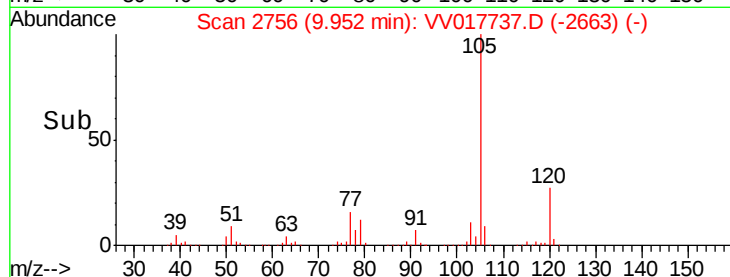
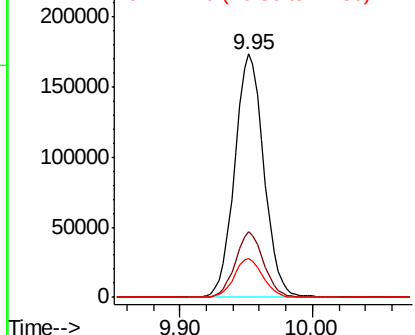
Acq: 29 Jul 2020 17:53

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:	105	Resp:	263975
Ion	Ratio	Lower	Upper
105	100		
120	26.1	21.1	31.7
77	15.8	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: 4.673 ug/L

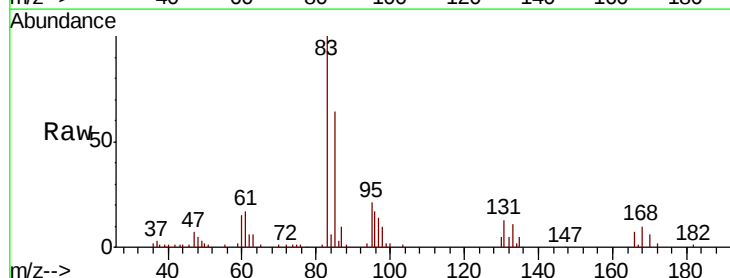
RT: 10.26 min Scan# 2853

Delta R.T. -0.00 min

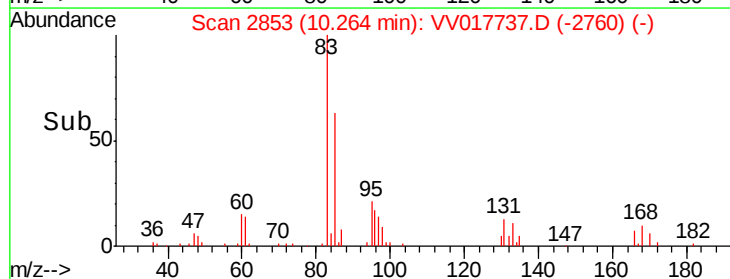
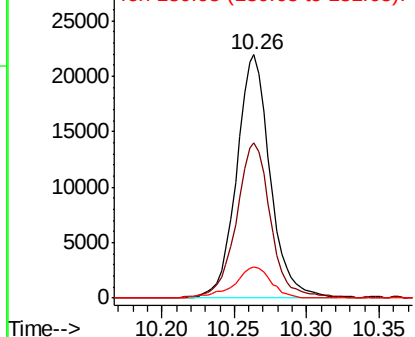
Lab File: VV017737.D

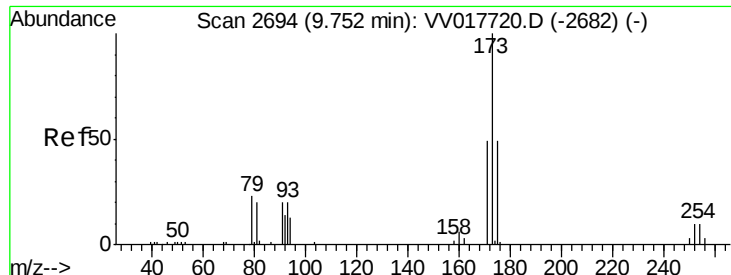
Acq: 29 Jul 2020 17:53

Tgt Ion:	83	Resp:	35178
Ion	Ratio	Lower	Upper
83	100		
85	63.9	44.4	82.5
131	12.9	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: 5.162 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. -0.00 min

Lab File: VV017737.D

Acq: 29 Jul 2020 17:53

Instrument :
MSVOA_V
ClientSampleId :

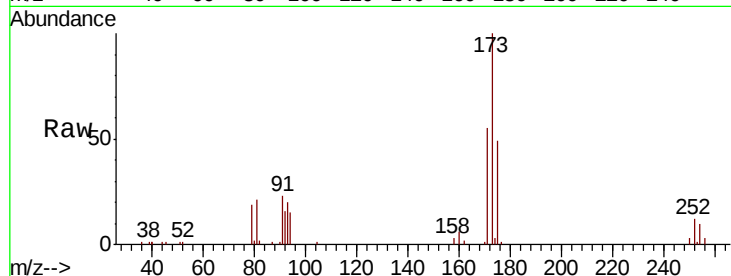
Tot Ion:173 Resp: 25797

Ion Ratio Lower Upper

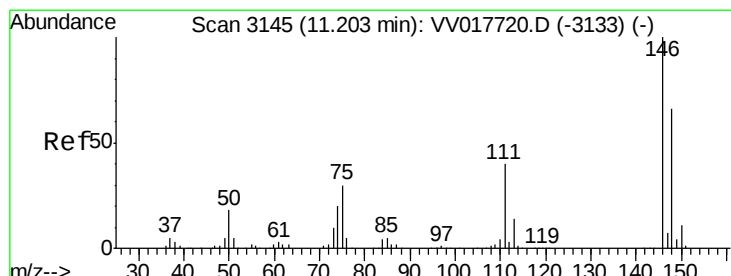
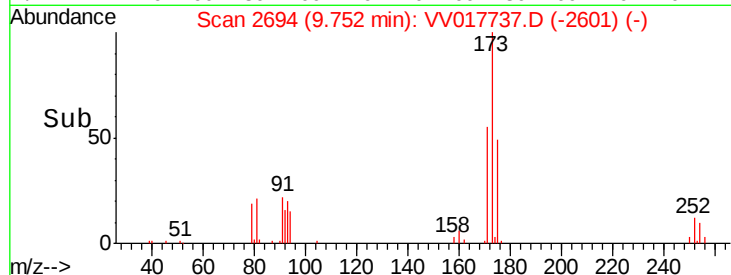
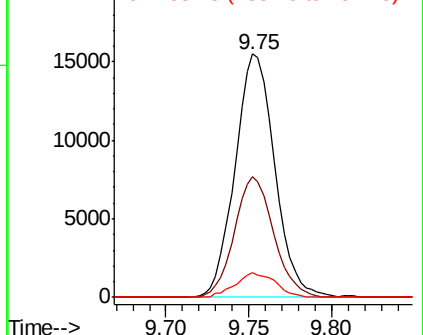
173 100

175 48.9 39.6 59.4

254 10.2 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: 5.366 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. -0.00 min

Lab File: VV017737.D

Acq: 29 Jul 2020 17:53

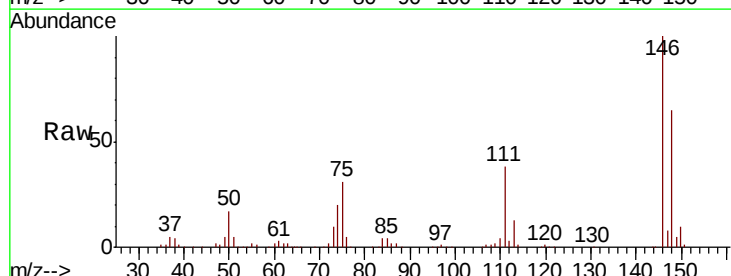
Tgt Ion:146 Resp: 134920

Ion Ratio Lower Upper

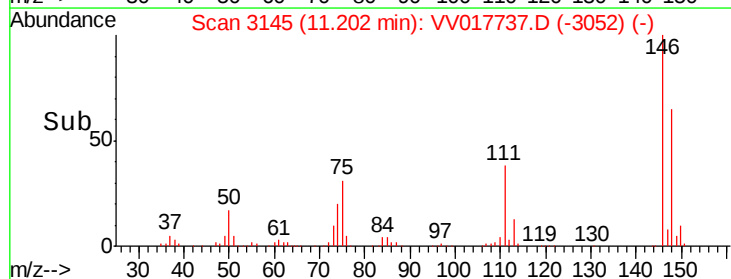
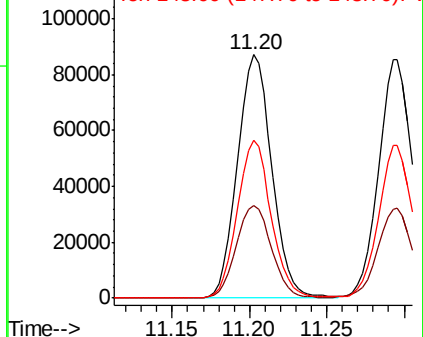
146 100

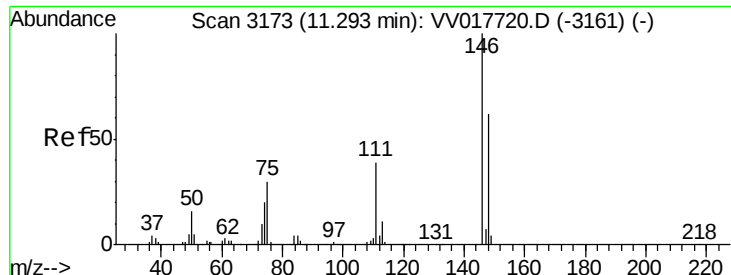
111 38.0 27.3 50.7

148 65.1 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

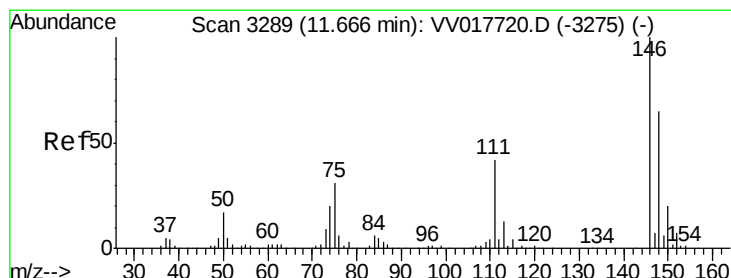
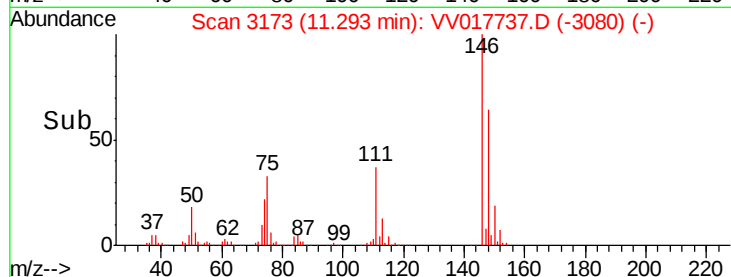
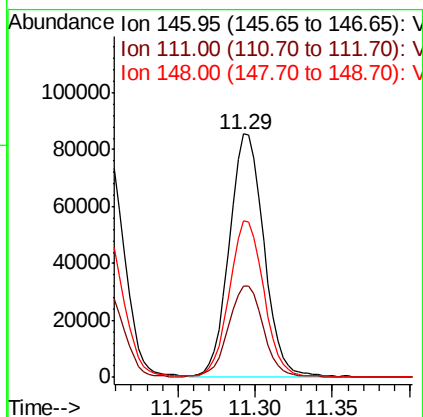
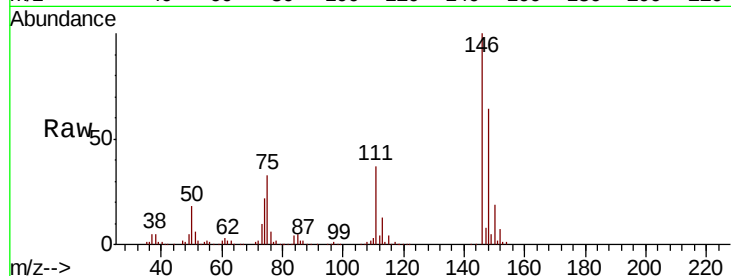




#64
 1,4-Dichlorobenzene
 Concen: 5.225 ug/L
 RT: 11.29 min Scan# 3173
 Delta R.T. -0.00 min
 Lab File: VV017737.D
 Acq: 29 Jul 2020 17:53

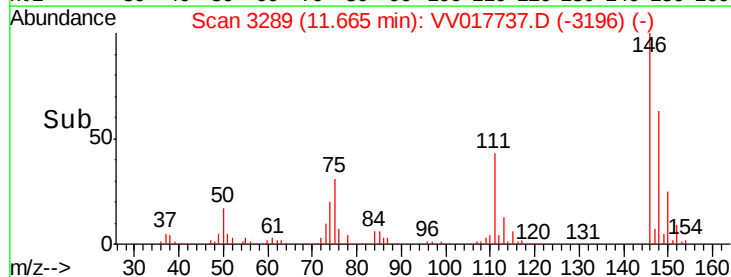
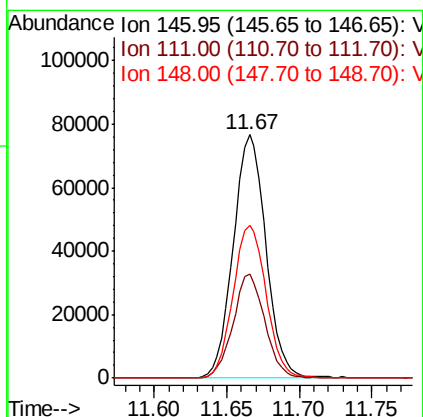
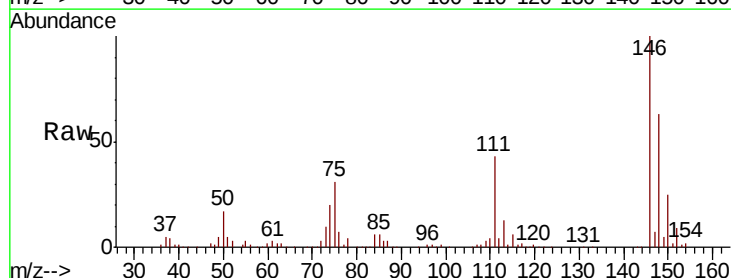
Instrument :
 MSVOA_V
 ClientSampleId :

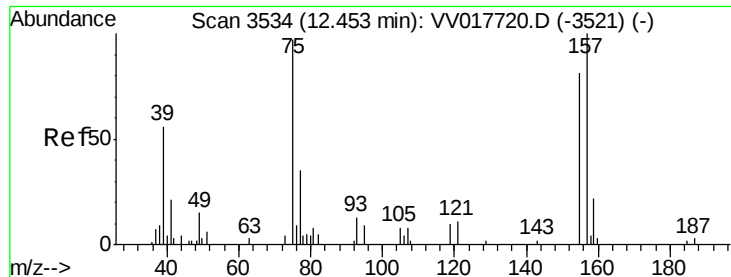
Tot Ion	Ratio	Lower	Upper
146	100		
111	37.3	27.4	51.0
148	64.2	43.8	81.4



#66
 1,2-Dichlorobenzene
 Concen: 5.233 ug/L
 RT: 11.67 min Scan# 3289
 Delta R.T. -0.00 min
 Lab File: VV017737.D
 Acq: 29 Jul 2020 17:53

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.6	33.0	49.4
148	62.9	49.9	74.9





#67

1,2-Dibromo-3-chloropropane

Concen: 4.936 ug/L

RT: 12.45 min Scan# 3533

Delta R.T. -0.00 min

Lab File: VV017737.D

Acq: 29 Jul 2020 17:53

Instrument :

MSVOA_V

ClientSampleId :

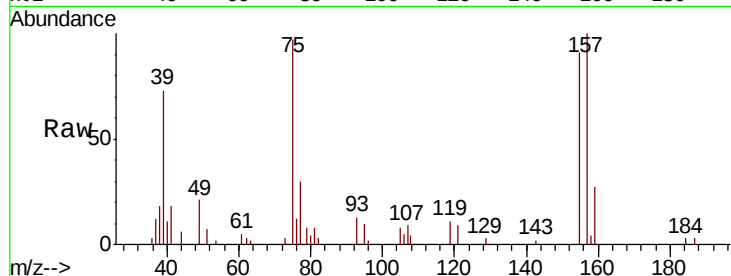
Tot Ion: 75 Resp: 7069

Ion Ratio Lower Upper

75 100

155 93.5 68.7 103.1

157 103.3 87.8 131.8



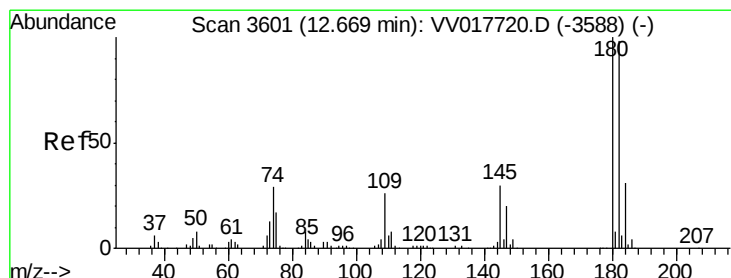
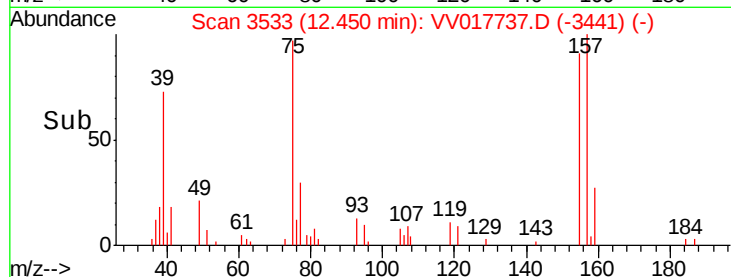
Abundance Ion 75.05 (74.75 to 75.75): VV017737.D (-3441) (-)

Ion 154.95 (154.65 to 155.65): VV017737.D (-3441) (-)

Ion 156.90 (156.60 to 157.60): VV017737.D (-3441) (-)

12.45

Time-->



#68

1,3,5-Trichlorobenzene

Concen: 5.242 ug/L

RT: 12.67 min Scan# 3601

Delta R.T. -0.00 min

Lab File: VV017737.D

Acq: 29 Jul 2020 17:53

Tgt Ion: 180 Resp: 107068

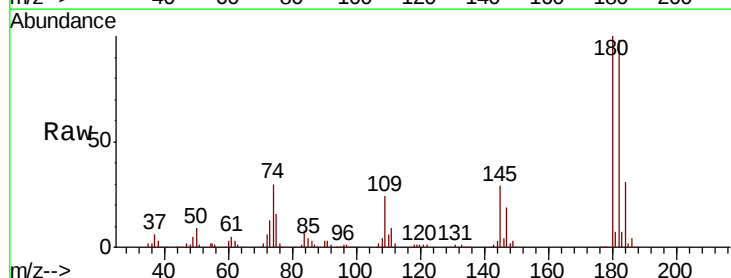
Ion Ratio Lower Upper

180 100

182 98.2 77.1 115.7

184 31.0 25.2 37.8

145 28.9 24.1 36.1



Abundance Ion 180.00 (179.70 to 180.70): VV017737.D (-3508) (-)

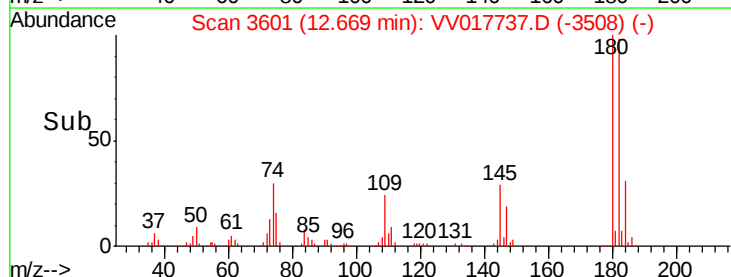
Ion 182.00 (181.70 to 182.70): VV017737.D (-3508) (-)

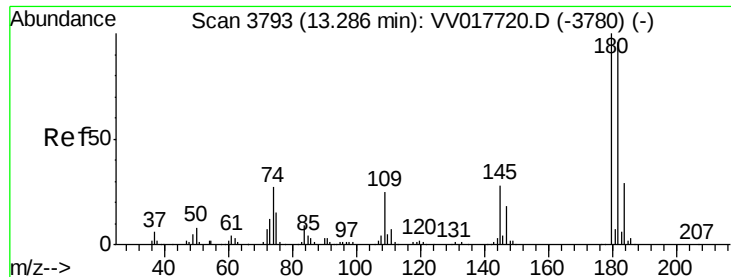
Ion 184.00 (183.70 to 184.70): VV017737.D (-3508) (-)

Ion 145.00 (144.70 to 145.70): VV017737.D (-3508) (-)

12.67

Time-->

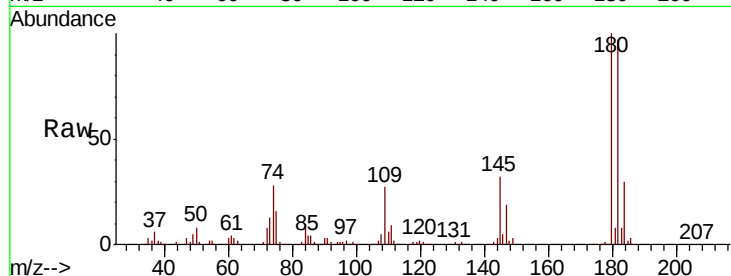




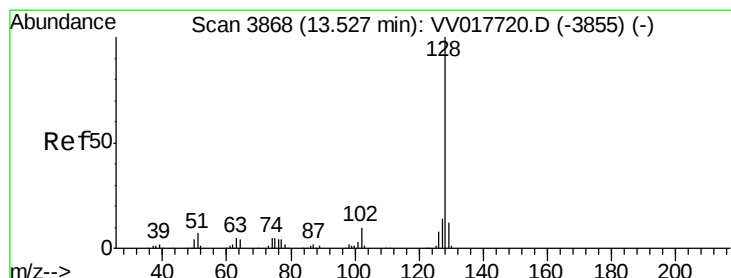
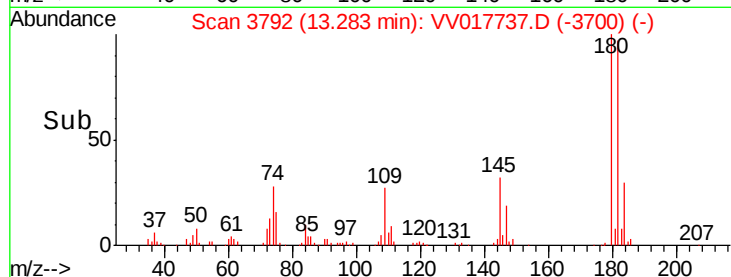
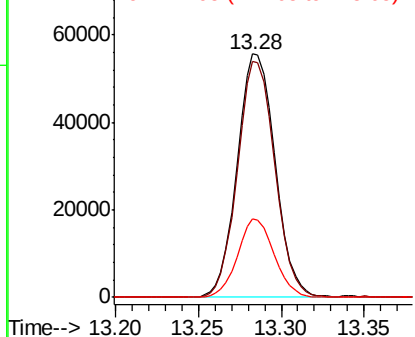
#69
1,2,4-trichlorobenzene
Concen: 5.180 ug/L
RT: 13.28 min Scan# 3792
Delta R.T. -0.00 min
Lab File: VV017737.D
Acq: 29 Jul 2020 17:53

Instrument :
MSVOA_V
ClientSampled :

Tot Ion:180 Resp: 88490
Ion Ratio Lower Upper
180 100
182 95.5 75.4 113.2
145 30.9 24.2 36.2

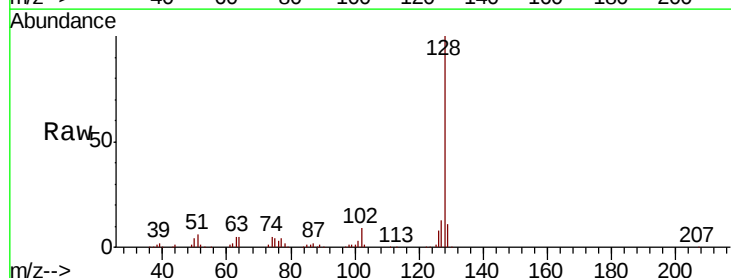


Abundance Ion 179.90 (179.60 to 180.60): V
Ion 182.00 (181.70 to 182.70): V
Ion 144.95 (144.65 to 145.65): V

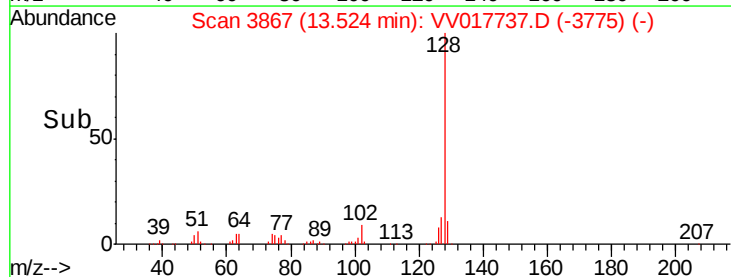
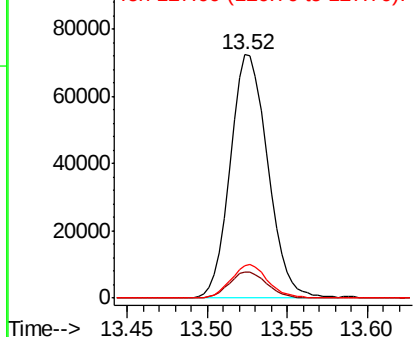


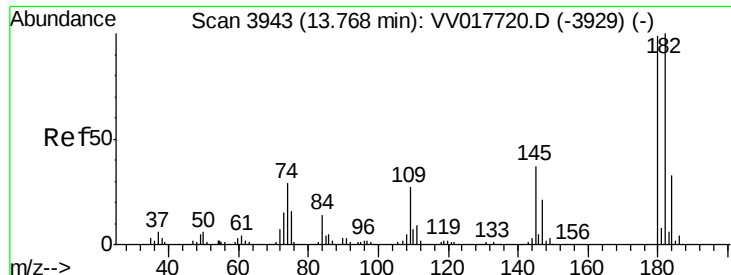
#70
Naphthalene
Concen: 4.870 ug/L
RT: 13.52 min Scan# 3867
Delta R.T. -0.00 min
Lab File: VV017737.D
Acq: 29 Jul 2020 17:53

Tgt Ion:128 Resp: 116005
Ion Ratio Lower Upper
128 100
129 10.8 9.1 13.7
127 13.5 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

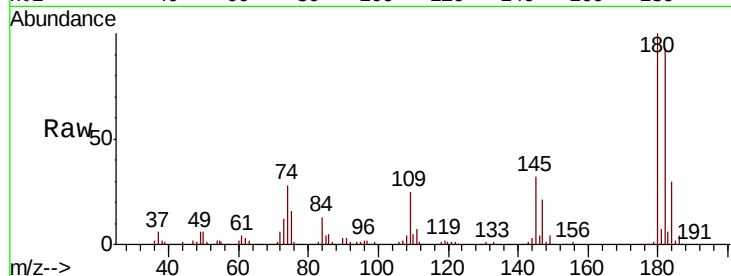




#71
 1,2,3-Trichlorobenzene
 Concen: 5.108 ug/L
 RT: 13.77 min Scan# 3943
 Delta R.T. -0.00 min
 Lab File: VV017737.D
 Acq: 29 Jul 2020 17:53

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.9	74.2	111.4
145	32.7	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

