

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV062520\
 Data File : VV017150.D
 Acq On : 26 Jun 2020 01:11
 Operator : SY/MD
 Sample : L3106-18
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BFXP0

Quant Time: Jun 26 05:15:01 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR061720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Jun 26 05:12:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	163150	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	161157	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	78249	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	47843	4.89	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	97.80%
7) Chloroethane-d5	1.58	69	39682	5.57	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	111.40%
11) 1,1-Dichloroethene-d2	2.13	63	69593	3.73	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	74.60%
20) 2-Butanone-d5	3.94	46	117532	47.10	ug/L	-0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	94.20%
24) Chloroform-d	4.38	84	105358	5.03	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.60%
26) 1,2-Dichloroethane-d4	5.06	65	57133	5.15	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.00%
32) Benzene-d6	5.07	84	194382	4.65	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.00%
36) 1,2-Dichloropropane-d6	6.10	67	56417	4.51	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	90.20%
41) Toluene-d8	7.34	98	164291	4.19	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	83.80%
45) trans-1,3-Dichloropropene-	7.64	79	20880	4.01	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	80.20%
48) 2-Hexanone-d5	8.11	63	82072	41.32	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	82.64%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	39388	4.74	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	94.80%
65) 1,2-Dichlorobenzene-d4	11.65	152	69999	4.84	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	96.80%

Target Compounds

					Ovalue
3) Chloromethane	1.25	50	924	0.084	ug/L 86
5) Vinyl chloride	1.32	62	3289	0.307	ug/L # 71
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	708	0.082	ug/L # 23
12) 1,1-Dichloroethene	2.13	96	1197	0.153	ug/L # 1
13) Acetone	2.21	43	3305	2.620	ug/L 89
19) 1,1-Dichloroethane	3.21	63	68204	3.658	ug/L 98
21) 2-Butanone	4.11	43	507325	213.335	ug/L # 50
22) cis-1,2-Dichloroethene	3.94	96	4614	0.407	ug/L 94
25) Chloroform	4.40	83	7451	0.366	ug/L 93
29) 1,1,1-Trichloroethane	4.63	97	123127	6.377	ug/L 98
30) Cyclohexane	4.71	56	5415	0.295	ug/L 98
31) Carbon tetrachloride	4.64	117	15416	0.885	ug/L 99
35) Methylcyclohexane	6.09	83	14364	0.748	ug/L # 17
39) cis-1,3-Dichloropropene	7.01	75	1847	0.119	ug/L # 56
43) 1,3,5-Trimethylbenzene	10.94	105	26474	0.603	ug/L 97
44) 1,2,4-Trimethylbenzene	10.94	105	26474	0.593	ug/L 98
46) trans-1,3-Dichloropropene	7.64	75	1377	0.103	ug/L # 68

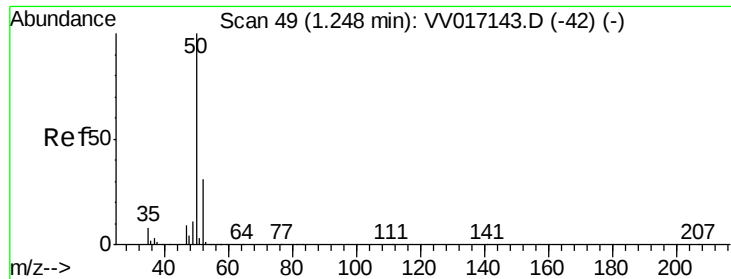
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV062520\
Data File : VV017150.D
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Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Jun 26 05:12:03 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
53) Chlorobenzene	8.91	112	8842	0.289	ug/L	98
54) Ethylbenzene	9.03	91	25761	0.492	ug/L	99
58) Isopropylbenzene	9.96	105	9593	0.182	ug/L	93
63) 1,3-Dichlorobenzene	11.20	146	6568	0.279	ug/L	90
64) 1,4-Dichlorobenzene	11.30	146	15072	0.630	ug/L	97
66) 1,2-Dichlorobenzene	11.67	146	4957	0.232	ug/L	97
69) 1,2,4-trichlorobenzene	13.28	180	1659	0.106	ug/L	95

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



#3

Chloromethane

Concen: 0.084 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV017150.D

Acq: 26 Jun 2020 01:11

Instrument :

MSVOA_V

ClientSampleId :

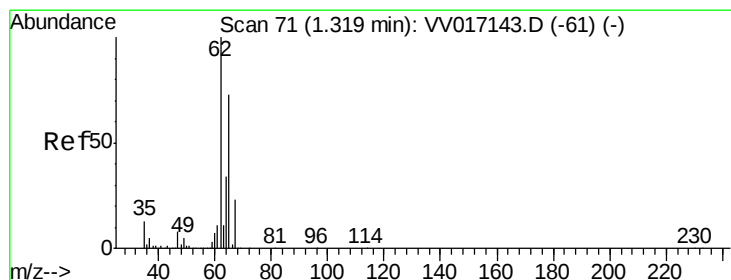
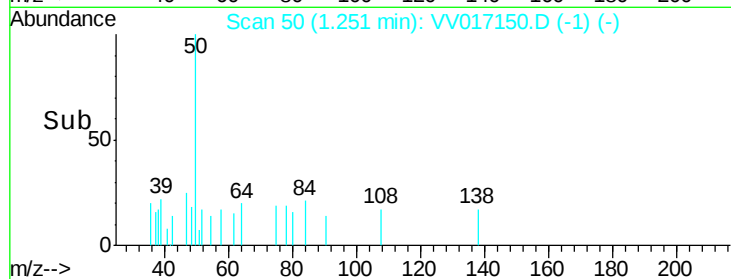
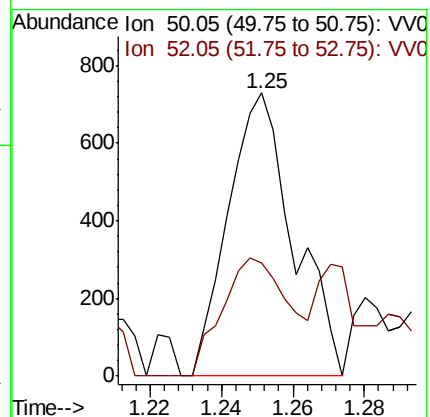
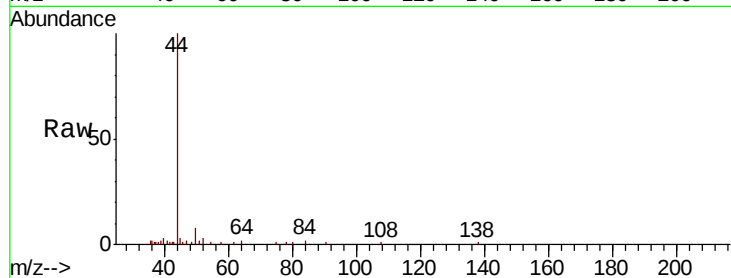
BFXP0

Tot Ion: 50 Resp: 924

Ion Ratio Lower Upper

50 100

52 39.8 22.5 41.9



#5

Vinyl chloride

Concen: 0.307 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV017150.D

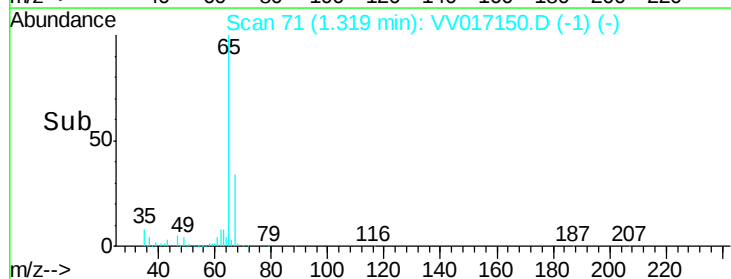
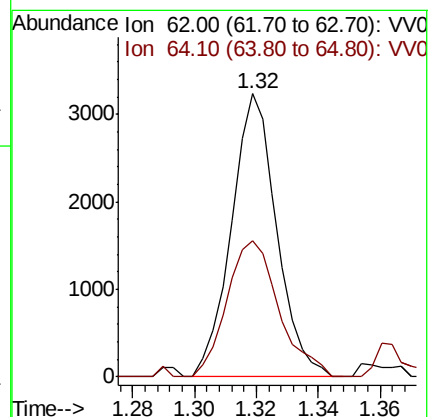
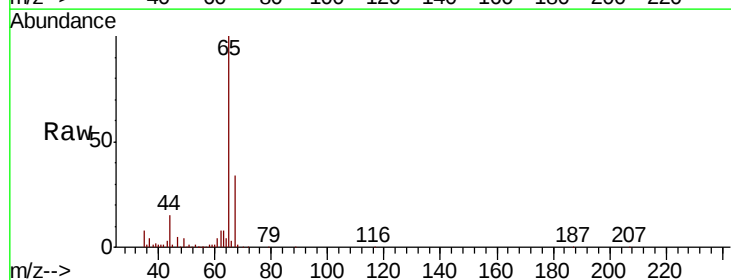
Acq: 26 Jun 2020 01:11

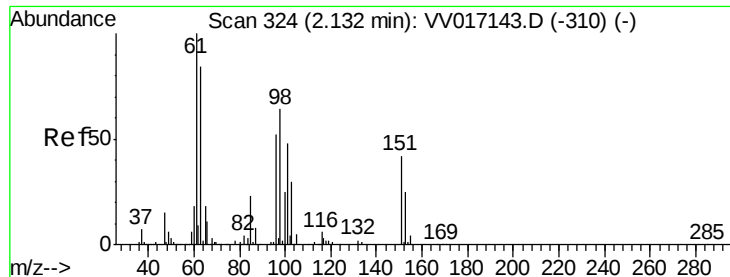
Tgt Ion: 62 Resp: 3289

Ion Ratio Lower Upper

62 100

64 48.3 22.5 41.7#





#10

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

Concen: 0.082 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.01 min

Lab File: VV017150.D

Acq: 26 Jun 2020 01:11

Instrument :

MSVOA_V

ClientSampled :

BFXP0

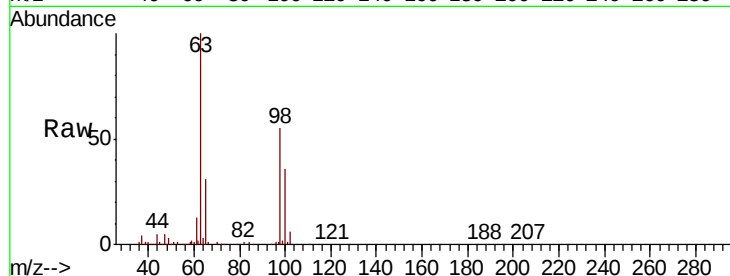
Tot Ion:101 Resp: 708

Ion Ratio Lower Upper

101 100

85 9.5 35.4 53.2#

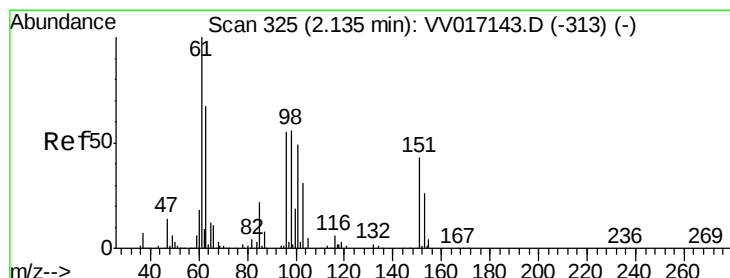
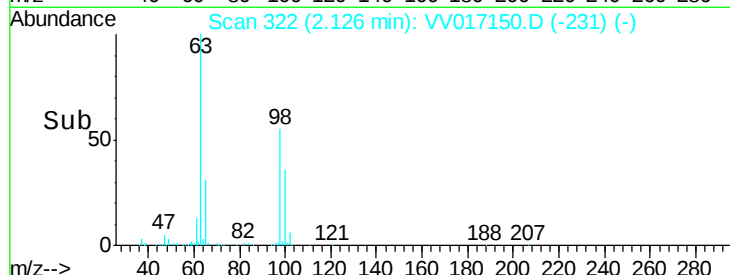
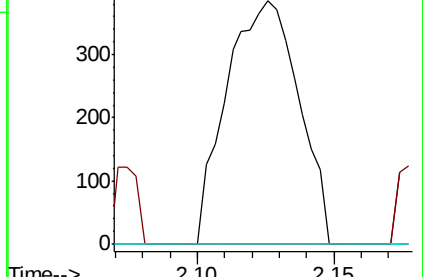
151 0.0 63.9 95.9#



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: 0.153 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.01 min

Lab File: VV017150.D

Acq: 26 Jun 2020 01:11

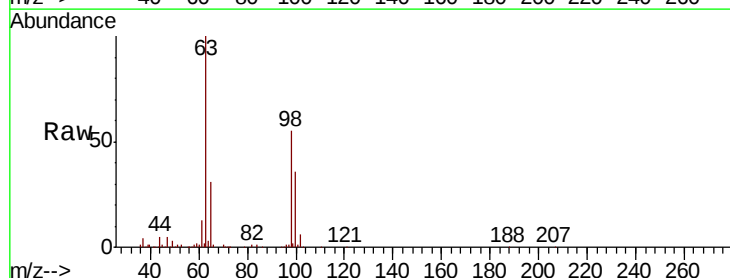
Tgt Ion: 96 Resp: 1197

Ion Ratio Lower Upper

96 100

61 967.5 125.0 232.2#

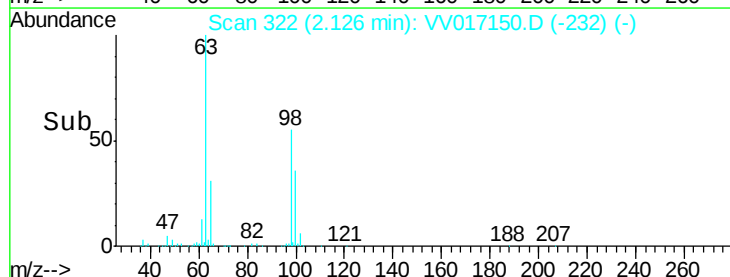
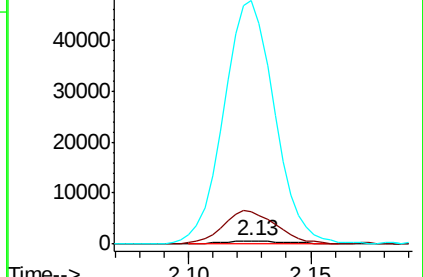
63 7248.6 109.8 203.8#

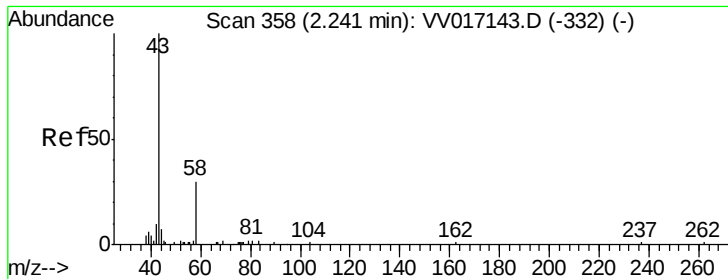


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 2.620 ug/L

RT: 2.21 min Scan# 349

Delta R.T. -0.03 min

Lab File: VV017150.D

Acq: 26 Jun 2020 01:11

Instrument :

MSVOA_V

ClientSampleId :

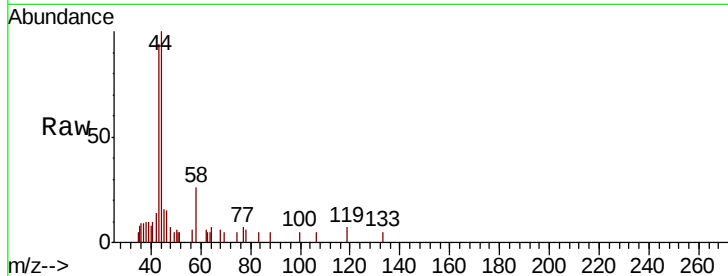
BFXP0

Tot Ion: 43 Resp: 3305

Ion Ratio Lower Upper

43 100

58 23.4 0.0 58.4



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

2.21

2000

1500

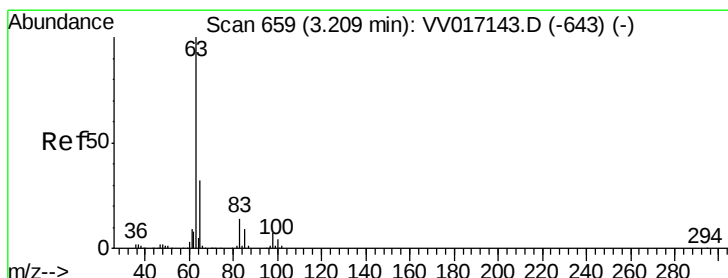
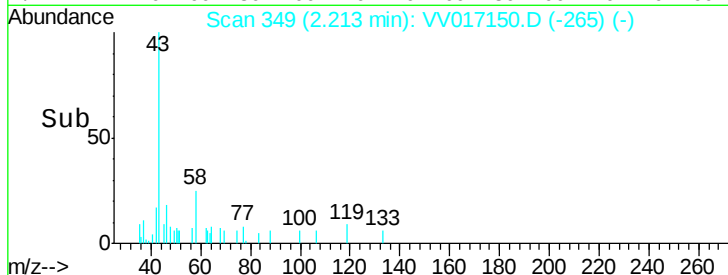
1000

500

0

Time-->

2.15 2.20 2.25



#19

1,1-Dichloroethane

Concen: 3.658 ug/L

RT: 3.21 min Scan# 659

Delta R.T. 0.00 min

Lab File: VV017150.D

Acq: 26 Jun 2020 01:11

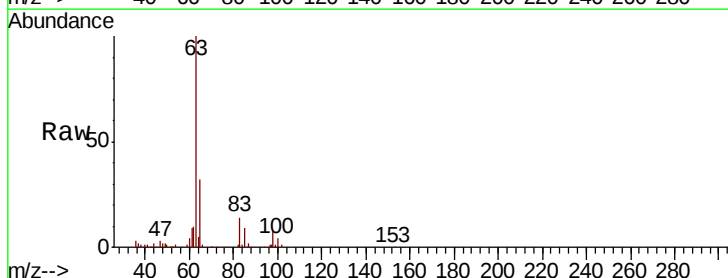
Tgt Ion: 63 Resp: 68204

Ion Ratio Lower Upper

63 100

65 32.4 21.8 40.4

83 14.4 9.7 17.9



Abundance Ion 63.10 (62.80 to 63.80): VV0

Ion 65.10 (64.80 to 65.80): VV0

Ion 83.05 (82.75 to 83.75): VV0

3.21

40000

30000

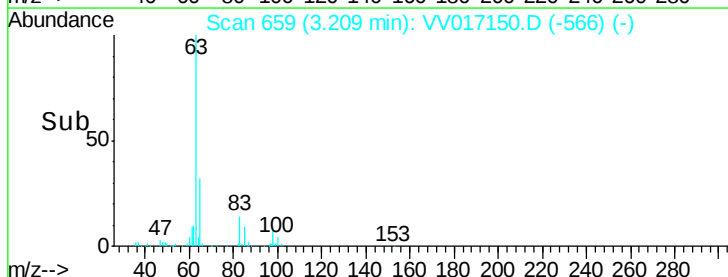
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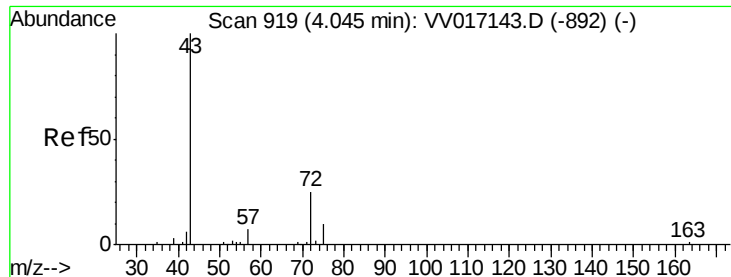
10000

0

Time-->

3.10 3.15 3.20 3.25 3.30





#21

2-Butanone

Concen: 213.335 ug/L

RT: 4.11 min Scan# 938

Delta R.T. 0.06 min

Lab File: VV017150.D

Acq: 26 Jun 2020 01:11

Instrument :

MSVOA_V

ClientSampleId :

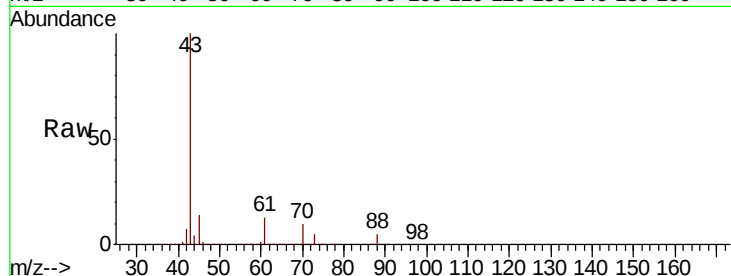
BFXP0

Tot Ion: 43 Resp: 507325

Ion Ratio Lower Upper

43 100

72 0.0 12.4 37.4#



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 72.00 (71.70 to 72.70): VV0

4.11

200000

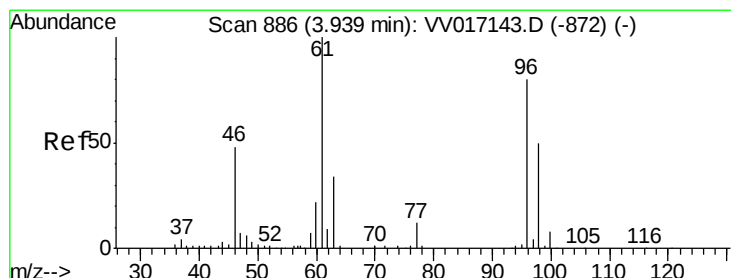
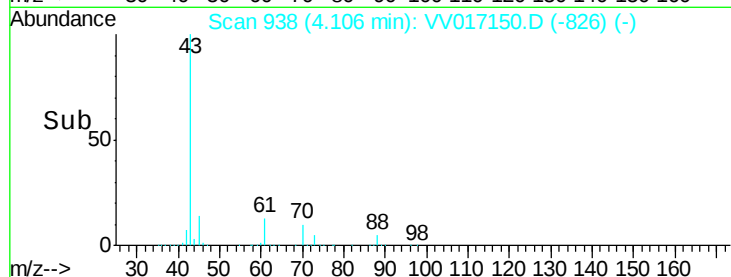
150000

100000

50000

0

Time-->



#22

cis-1,2-Dichloroethene

Concen: 0.407 ug/L

RT: 3.94 min Scan# 886

Delta R.T. 0.00 min

Lab File: VV017150.D

Acq: 26 Jun 2020 01:11

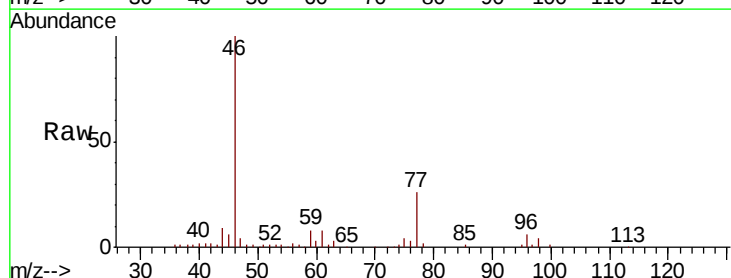
Tgt Ion: 96 Resp: 4614

Ion Ratio Lower Upper

96 100

61 137.5 91.0 169.0

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 68.15 (67.85 to 68.85): VV0

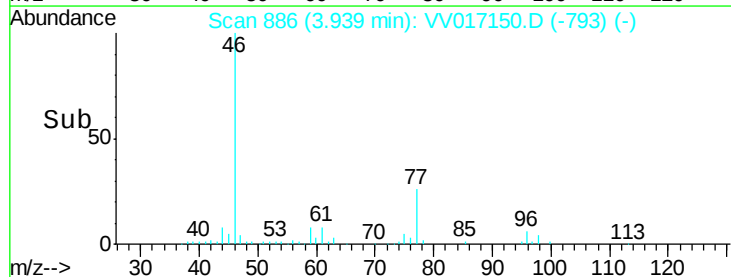
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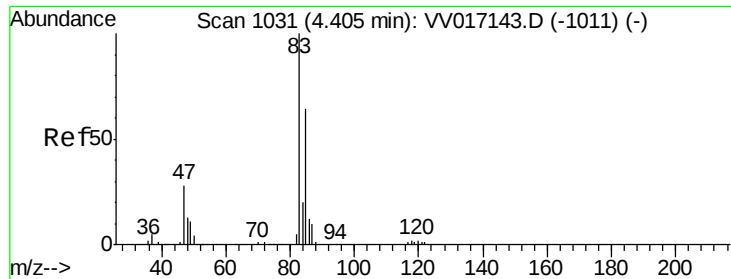
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1000

0

Time-->

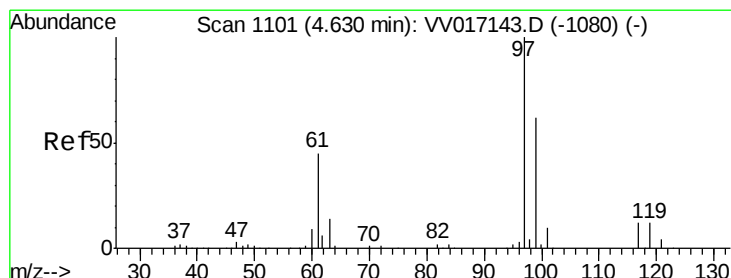
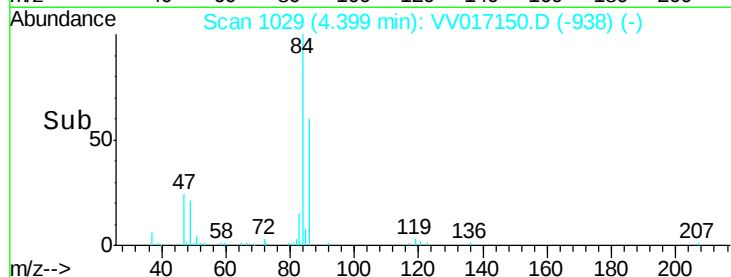
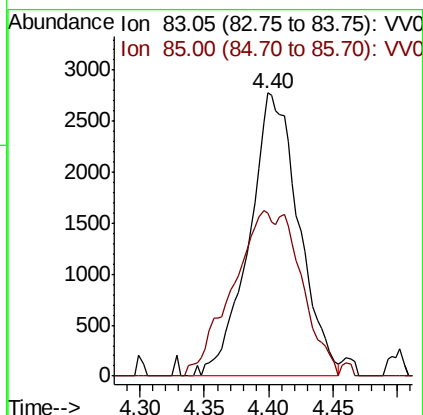
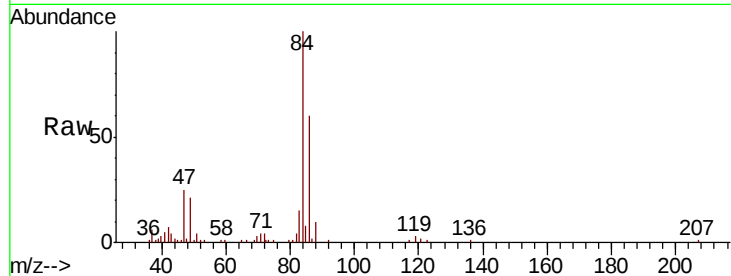




#25
Chloroform
Concen: 0.366 ug/L
RT: 4.40 min Scan# 1029
Delta R.T. -0.01 min
Lab File: VV017150.D
Acq: 26 Jun 2020 01:11

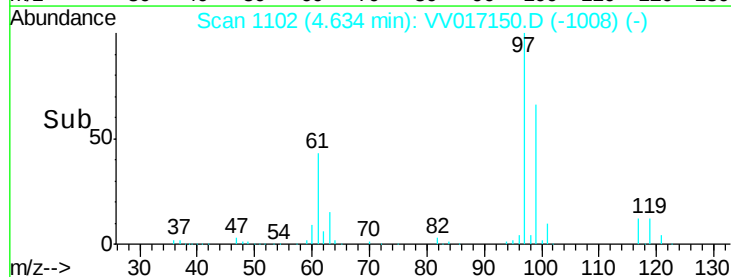
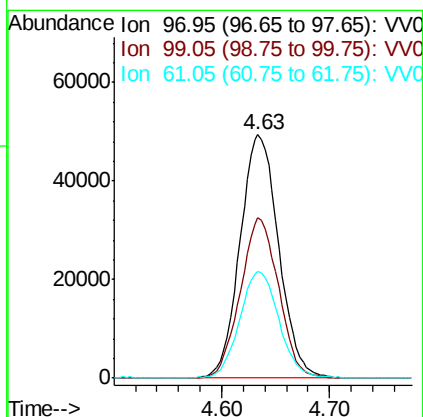
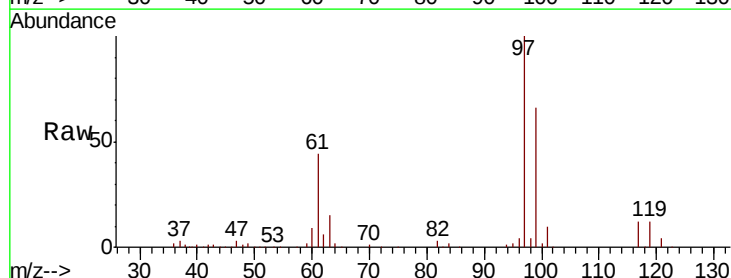
Instrument :
MSVOA_V
ClientSampled :
BFXP0

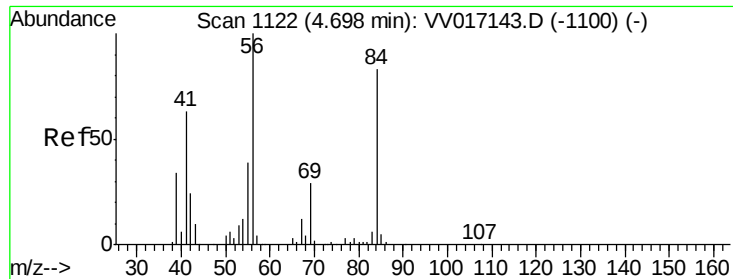
Tot Ion: 83 Resp: 7451
Ion Ratio Lower Upper
83 100
85 57.7 44.2 82.2



#29
1,1,1-Trichloroethane
Concen: 6.377 ug/L
RT: 4.63 min Scan# 1102
Delta R.T. 0.00 min
Lab File: VV017150.D
Acq: 26 Jun 2020 01:11

Tgt Ion: 97 Resp: 123127
Ion Ratio Lower Upper
97 100
99 65.2 50.3 75.5
61 44.7 36.0 54.0

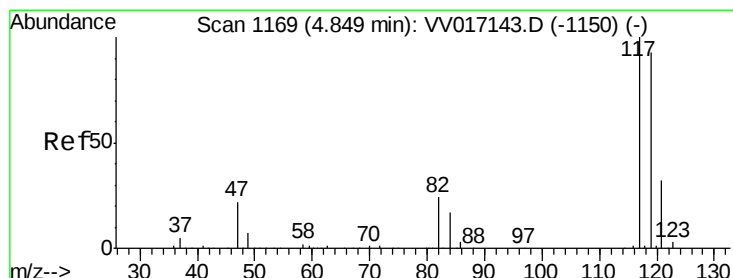
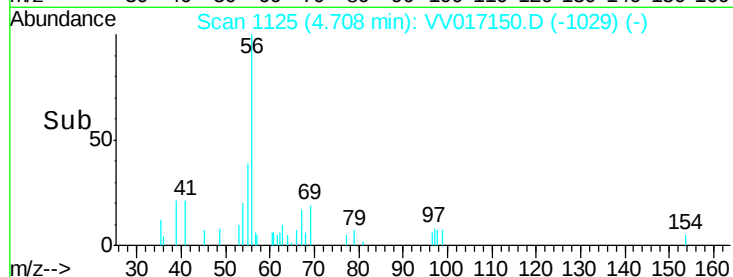
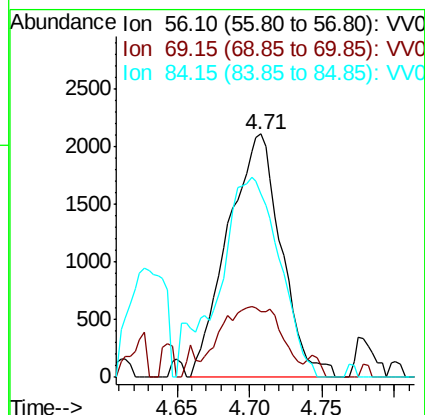
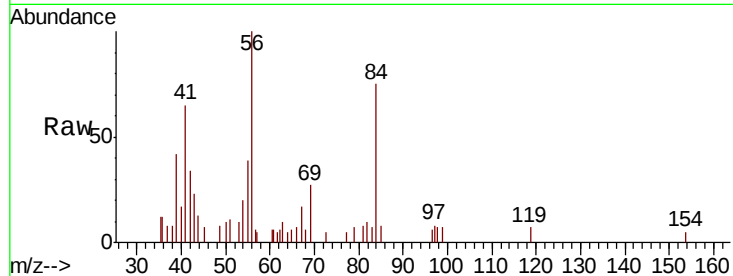




#30
Cyclohexane
Concen: 0.295 ug/L
RT: 4.71 min Scan# 1125
Delta R.T. 0.01 min
Lab File: VV017150.D
Acq: 26 Jun 2020 01:11

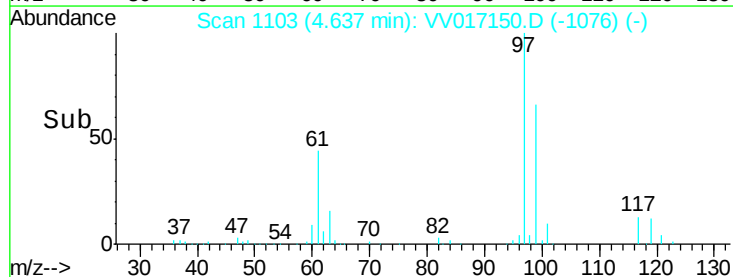
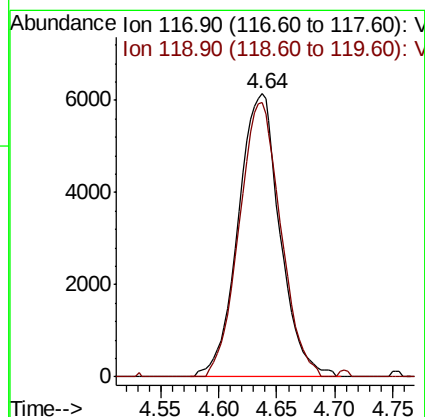
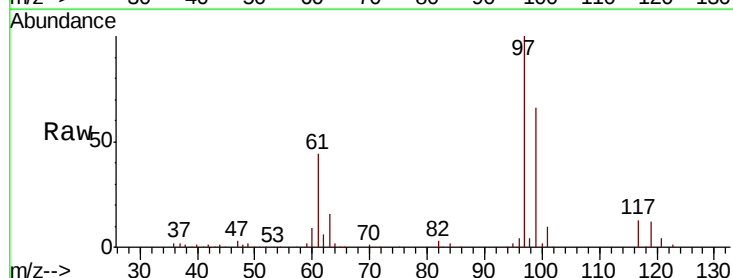
Instrument :
MSVOA_V
ClientSampled :
BFXP0

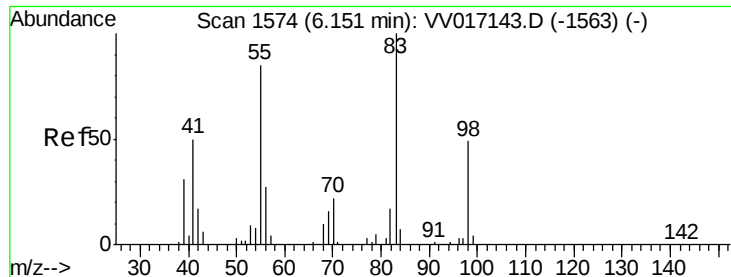
Tot Ion: 56 Resp: 5415
Ion Ratio Lower Upper
56 100
69 33.0 24.4 36.6
84 86.8 69.9 104.9



#31
Carbon tetrachloride
Concen: 0.885 ug/L
RT: 4.64 min Scan# 1103
Delta R.T. -0.21 min
Lab File: VV017150.D
Acq: 26 Jun 2020 01:11

Tgt Ion: 117 Resp: 15416
Ion Ratio Lower Upper
117 100
119 96.1 77.8 116.8

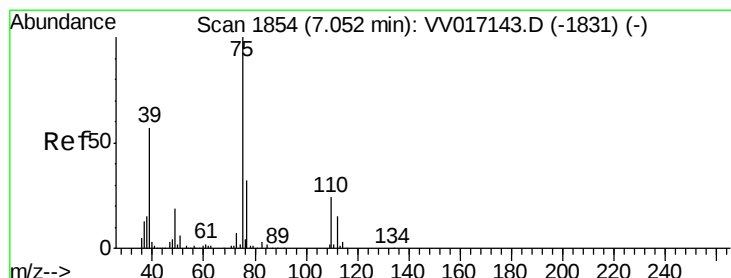
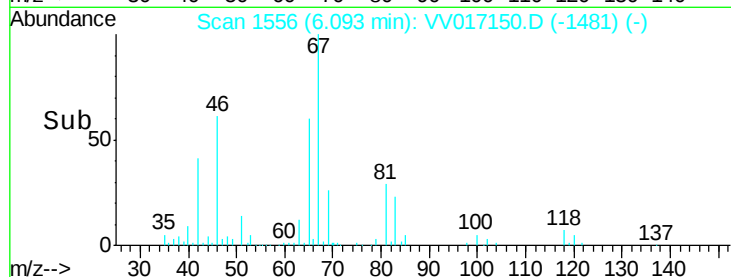
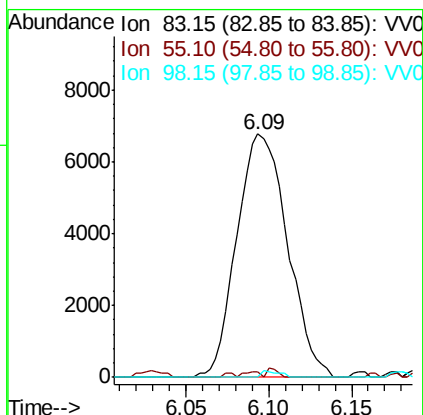
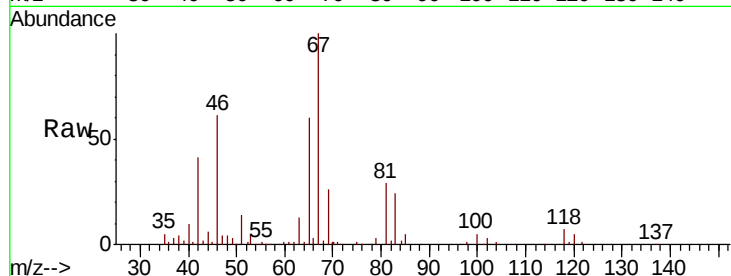




#35
Methylcyclohexane
Concen: 0.748 ug/L
RT: 6.09 min Scan# 1556
Delta R.T. -0.06 min
Lab File: VV017150.D
Acq: 26 Jun 2020 01:11

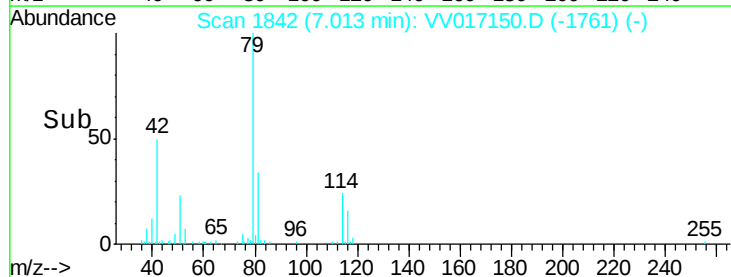
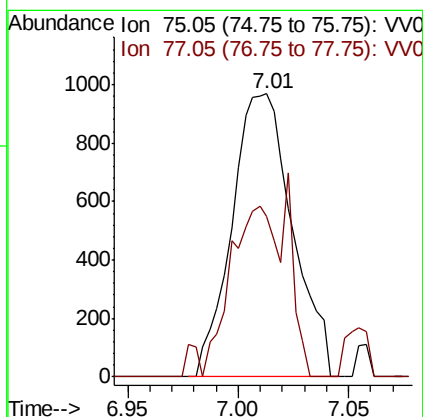
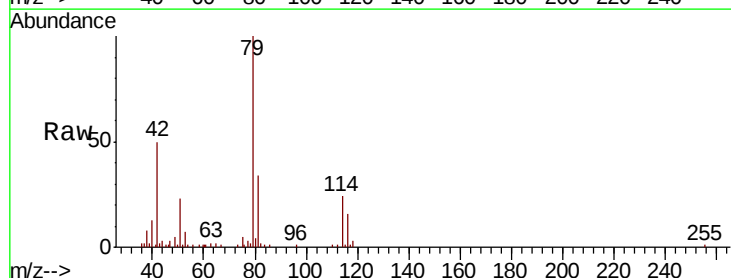
Instrument :
MSVOA_V
ClientSampleId :
BFXP0

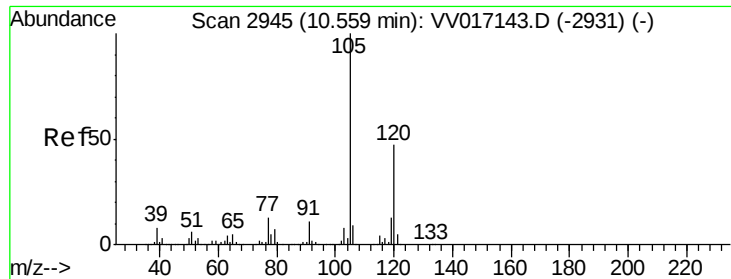
Tot Ion: 83 Resp: 14364
Ion Ratio Lower Upper
83 100
55 0.7 63.6 95.4#
98 0.0 38.8 58.2#



#39
cis-1,3-Dichloropropene
Concen: 0.119 ug/L
RT: 7.01 min Scan# 1842
Delta R.T. -0.04 min
Lab File: VV017150.D
Acq: 26 Jun 2020 01:11

Tgt Ion: 75 Resp: 1847
Ion Ratio Lower Upper
75 100
77 56.6 22.3 41.5#

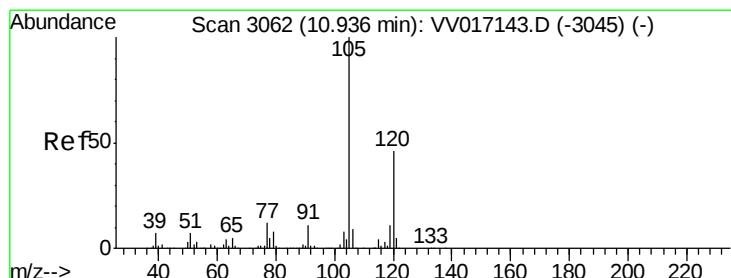
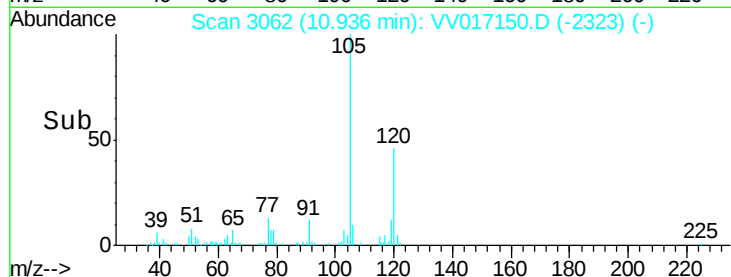
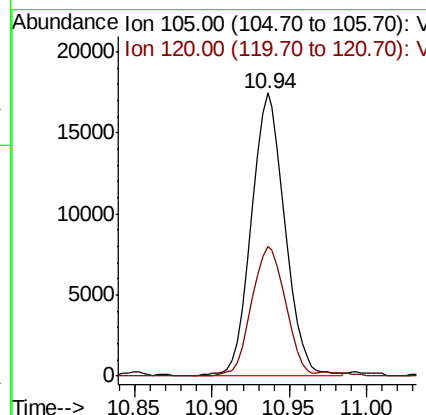
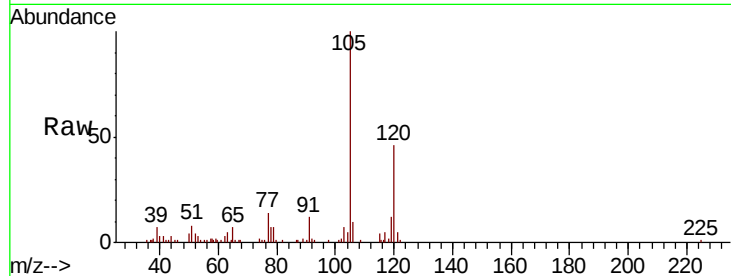




#43
 1,3,5-Trimethylbenzene
 Concen: 0.603 ug/L
 RT: 10.94 min Scan# 3062
 Delta R.T. 0.38 min
 Lab File: VV017150.D
 Acq: 26 Jun 2020 01:11

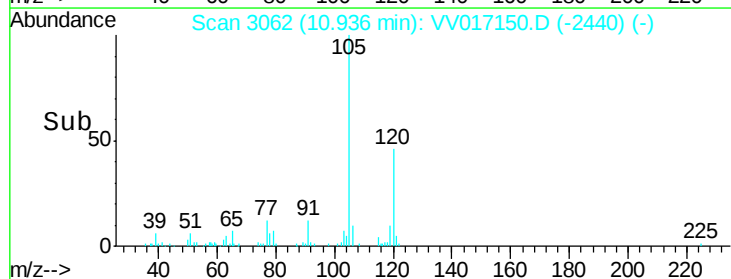
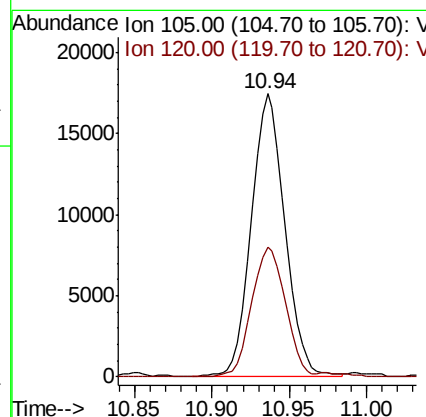
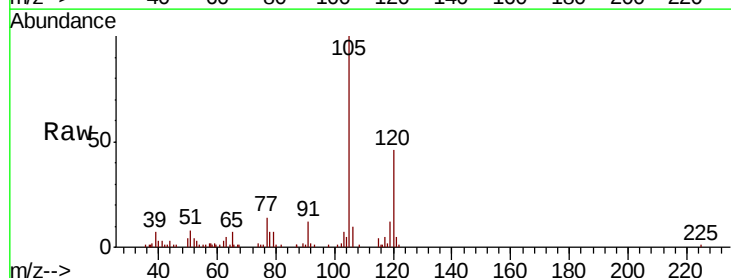
Instrument :
 MSVOA_V
 ClientSampled :
 BFXP0

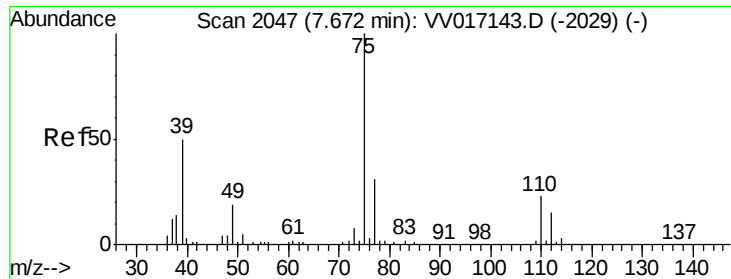
Tot Ion:105 Resp: 26474
 Ion Ratio Lower Upper
 105 100
 120 46.3 38.6 57.8



#44
 1,2,4-Trimethylbenzene
 Concen: 0.593 ug/L
 RT: 10.94 min Scan# 3062
 Delta R.T. 0.00 min
 Lab File: VV017150.D
 Acq: 26 Jun 2020 01:11

Tgt Ion:105 Resp: 26474
 Ion Ratio Lower Upper
 105 100
 120 46.3 35.8 53.8

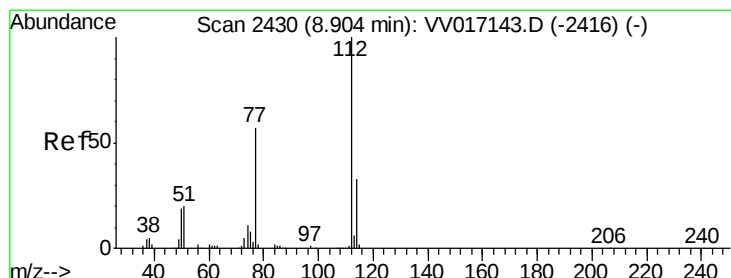
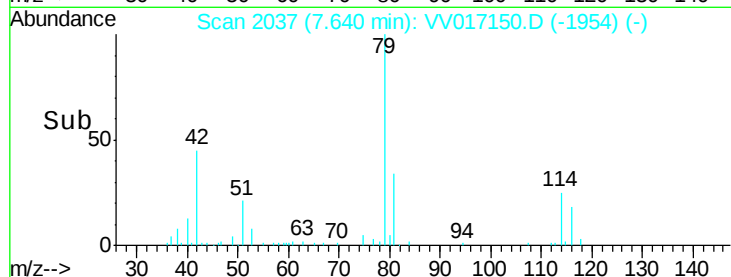
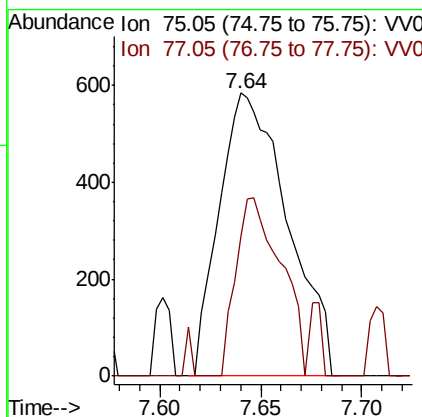
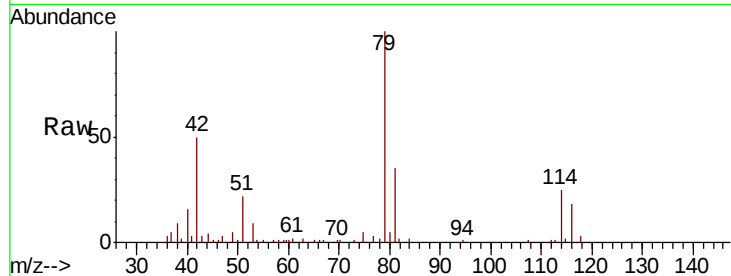




#46
trans-1,3-Dichloropropene
Concen: 0.103 ug/L
RT: 7.64 min Scan# 2037
Delta R.T. -0.03 min
Lab File: VV017150.D
Acq: 26 Jun 2020 01:11

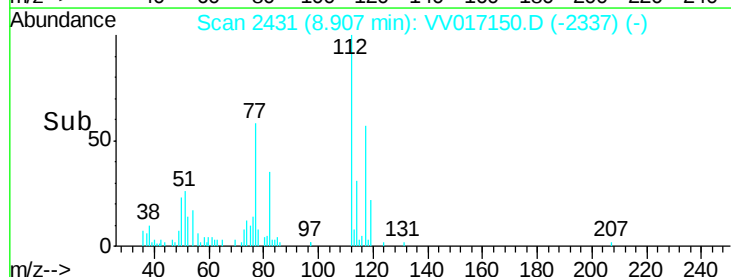
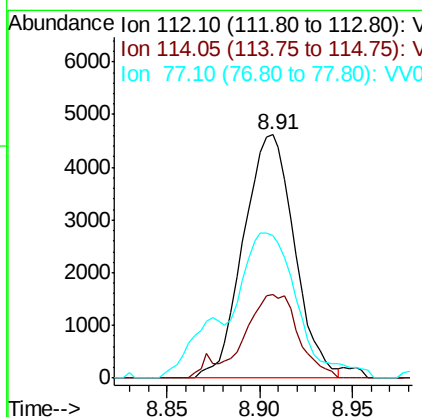
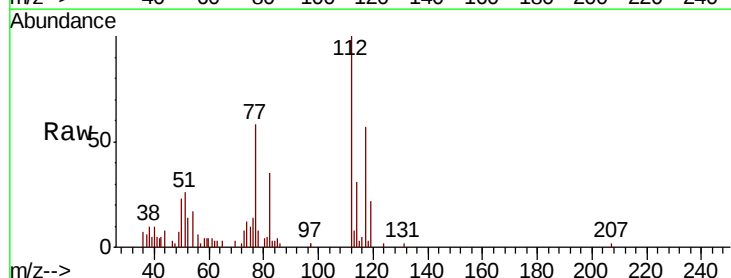
Instrument :
MSVOA_V
ClientSampleId :
BFXP0

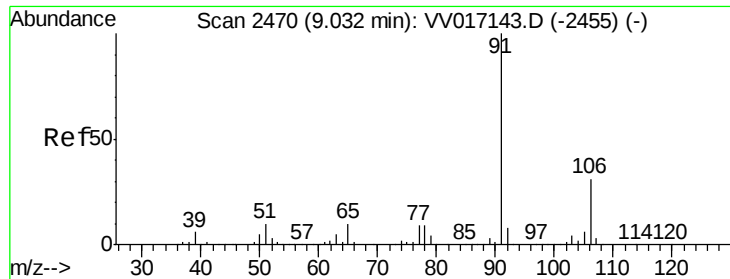
Tot Ion: 75 Resp: 1377
Ion Ratio Lower Upper
75 100
77 49.5 22.3 41.3#



#53
Chlorobenzene
Concen: 0.289 ug/L
RT: 8.91 min Scan# 2431
Delta R.T. 0.00 min
Lab File: VV017150.D
Acq: 26 Jun 2020 01:11

Tgt Ion: 112 Resp: 8842
Ion Ratio Lower Upper
112 100
114 34.1 22.0 41.0
77 58.3 46.0 69.0

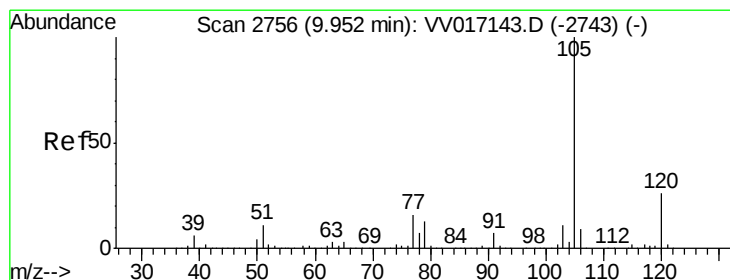
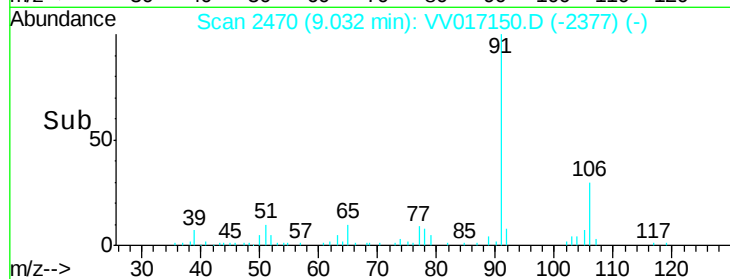
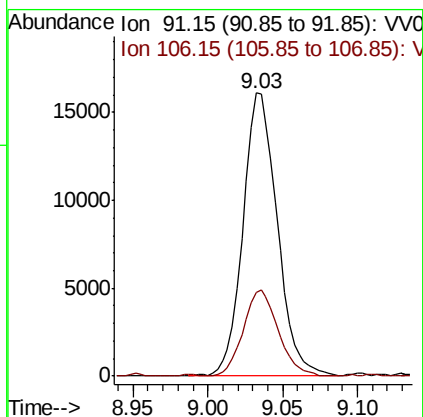
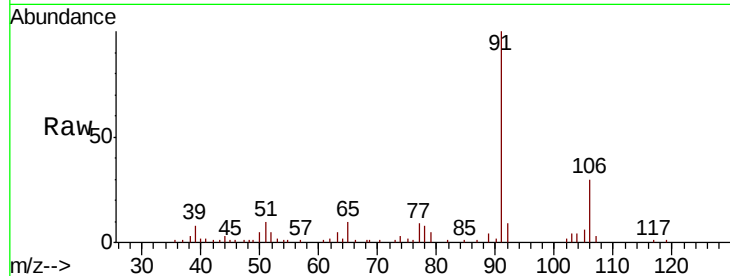




#54
Ethylbenzene
Concen: 0.492 ug/L
RT: 9.03 min Scan# 2470
Delta R.T. 0.00 min
Lab File: VV017150.D
Acq: 26 Jun 2020 01:11

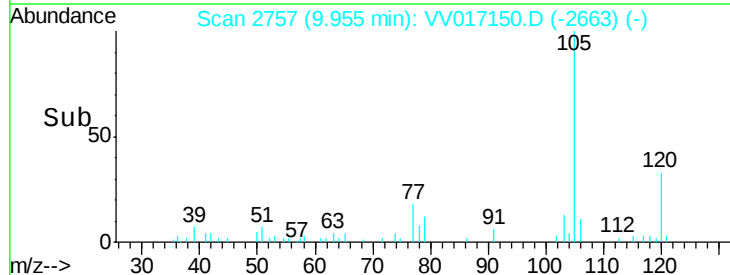
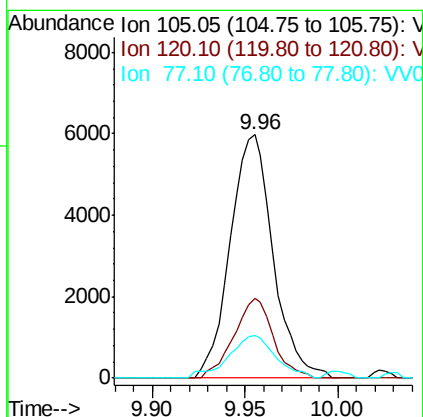
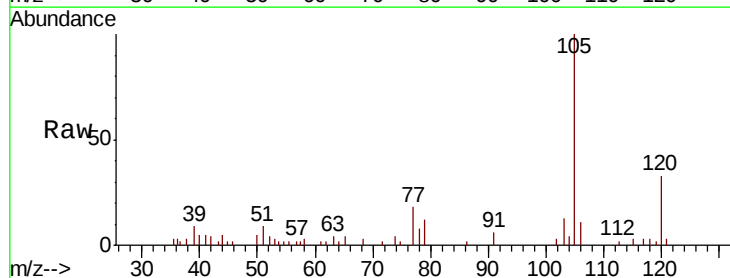
Instrument :
MSVOA_V
ClientSampleId :
BFXP0

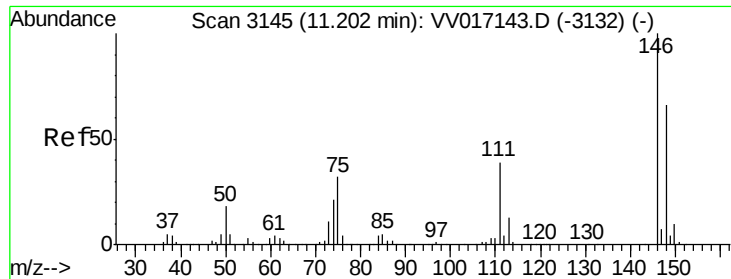
Tot Ion: 91 Resp: 25761
Ion Ratio Lower Upper
91 100
106 29.6 21.1 39.1



#58
Isopropylbenzene
Concen: 0.182 ug/L
RT: 9.96 min Scan# 2757
Delta R.T. 0.00 min
Lab File: VV017150.D
Acq: 26 Jun 2020 01:11

Tgt Ion: 105 Resp: 9593
Ion Ratio Lower Upper
105 100
120 30.0 21.2 31.8
77 19.1 13.0 19.4





#63

1,3-Dichlorobenzene

Concen: 0.279 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. 0.00 min

Lab File: VV017150.D

Acq: 26 Jun 2020 01:11

Instrument :

MSVOA_V

ClientSampleId :

BFXP0

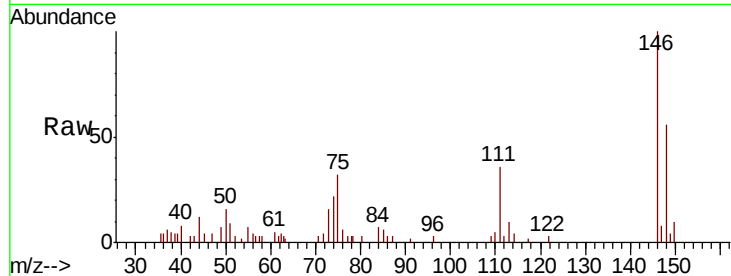
Tot Ion:146 Resp: 6568

Ion Ratio Lower Upper

146 100

111 36.0 29.2 54.2

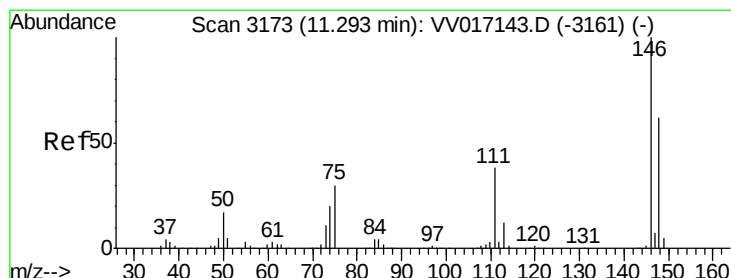
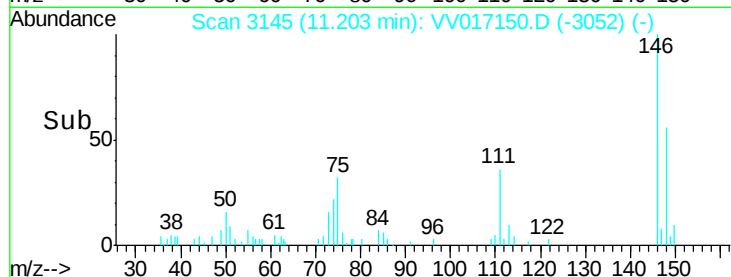
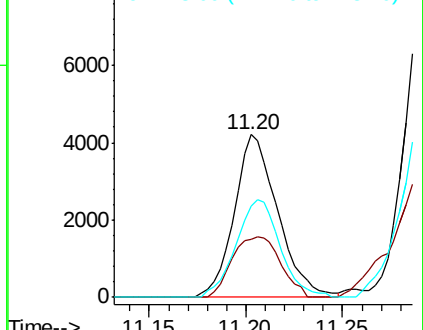
148 56.2 44.9 83.5



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: 0.630 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. 0.00 min

Lab File: VV017150.D

Acq: 26 Jun 2020 01:11

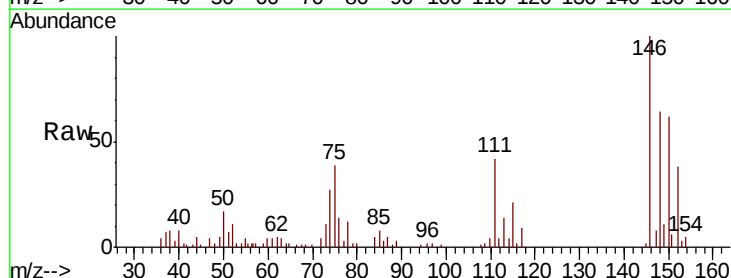
Tgt Ion:146 Resp: 15072

Ion Ratio Lower Upper

146 100

111 42.2 27.4 50.8

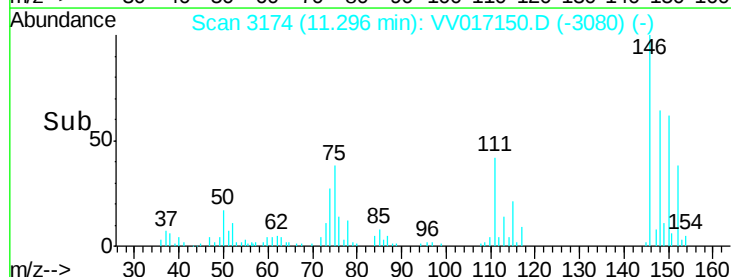
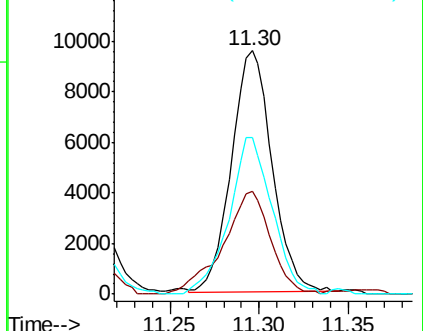
148 64.4 44.3 82.3

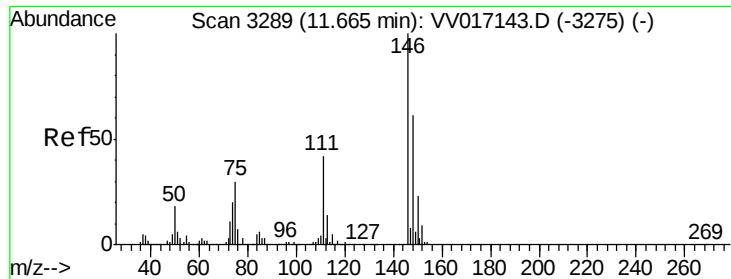


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

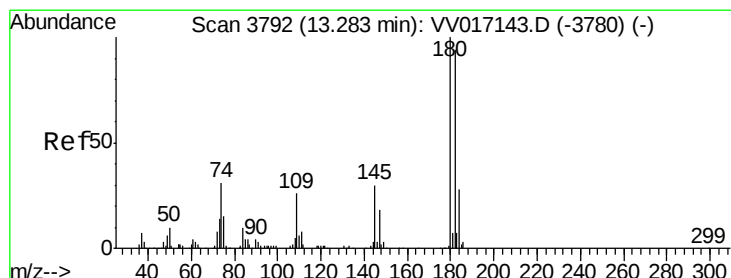
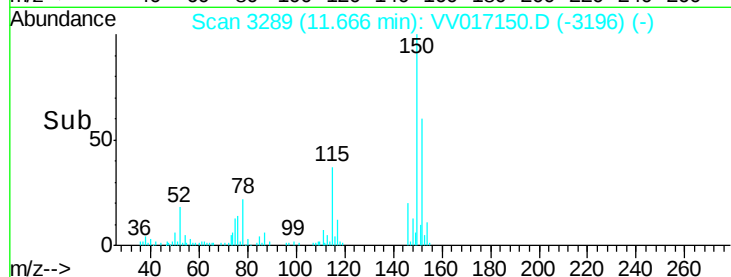
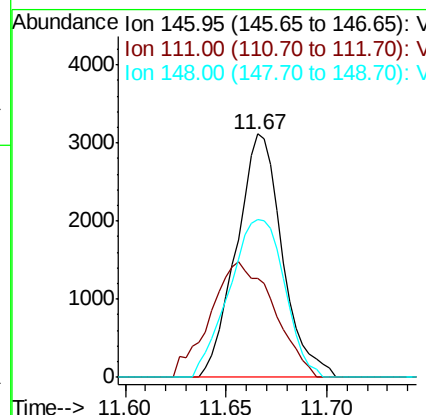
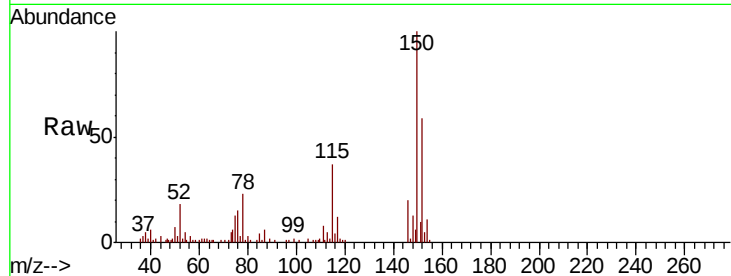




#66
 1,2-Dichlorobenzene
 Concen: 0.232 ug/L
 RT: 11.67 min Scan# 3289
 Delta R.T. 0.00 min
 Lab File: VV017150.D
 Acq: 26 Jun 2020 01:11

Instrument :
 MSVOA_V
 ClientSampleId :
 BFXP0

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.6	34.4	51.6
148	64.6	49.9	74.9



#69
 1,2,4-trichlorobenzene
 Concen: 0.106 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. 0.00 min
 Lab File: VV017150.D
 Acq: 26 Jun 2020 01:11

Tgt Ion	Ratio	Lower	Upper
180	100		
182	90.2	76.6	114.8
145	30.1	25.0	37.6

