

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV091820\
 Data File : VV018335.D
 Acq On : 18 Sep 2020 20:00
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Sep 19 01:45:38 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM090920WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Sep 19 01:35:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	277124	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	274593	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	150695	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	102021	45.17	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	90.34%
7) Chloroethane-d5	1.58	69	82704	44.75	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	89.50%
11) 1,1-Dichloroethene-d2	2.12	63	190424	45.97	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.94%
21) 2-Butanone-d5	3.92	46	125271	90.62	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	90.62%
24) Chloroform-d	4.38	84	181311	46.27	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.54%
26) 1,2-Dichloroethane-d4	5.06	65	115465	45.97	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.94%
32) Benzene-d6	5.08	84	356841	45.39	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.78%
36) 1,2-Dichloropropane-d6	6.09	67	110291	44.16	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	88.32%
41) Toluene-d8	7.34	98	331176	46.23	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.46%
43) trans-1,3-Dichloropropene-	7.64	79	55322	43.59	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.18%
47) 2-Hexanone-d5	8.11	63	90349	95.50	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	95.50%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	148352	47.32	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.64%
64) 1,2-Dichlorobenzene-d4	11.65	152	136460	44.09	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.18%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	95590	47.304	ug/L 99
3) Chloromethane	1.25	50	106710	48.361	ug/L 100
5) Vinyl chloride	1.32	62	108215	47.825	ug/L 100
6) Bromomethane	1.53	94	67836	49.050	ug/L 99
8) Chloroethane	1.60	64	68574	48.379	ug/L 100
9) Trichlorofluoromethane	1.77	101	151986	48.819	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	89740	47.988	ug/L 99
12) 1,1-Dichloroethene	2.13	96	88198	48.471	ug/L 93
13) Acetone	2.20	43	86784	78.401	ug/L 100
14) Carbon disulfide	2.31	76	255413	45.873	ug/L 100
15) Methyl Acetate	2.45	43	98750	49.641	ug/L 100
16) Methylene chloride	2.52	84	100165	49.084	ug/L 99
17) trans-1,2-Dichloroethene	2.78	96	90485	48.253	ug/L 98
18) Methyl tert-butyl Ether	2.79	73	281895	48.596	ug/L 100
19) 1,1-Dichloroethane	3.21	63	175049	49.372	ug/L 99
20) cis-1,2-Dichloroethene	3.94	96	97305	48.542	ug/L 97
22) 2-Butanone	4.00	43	127143	97.000	ug/L 98

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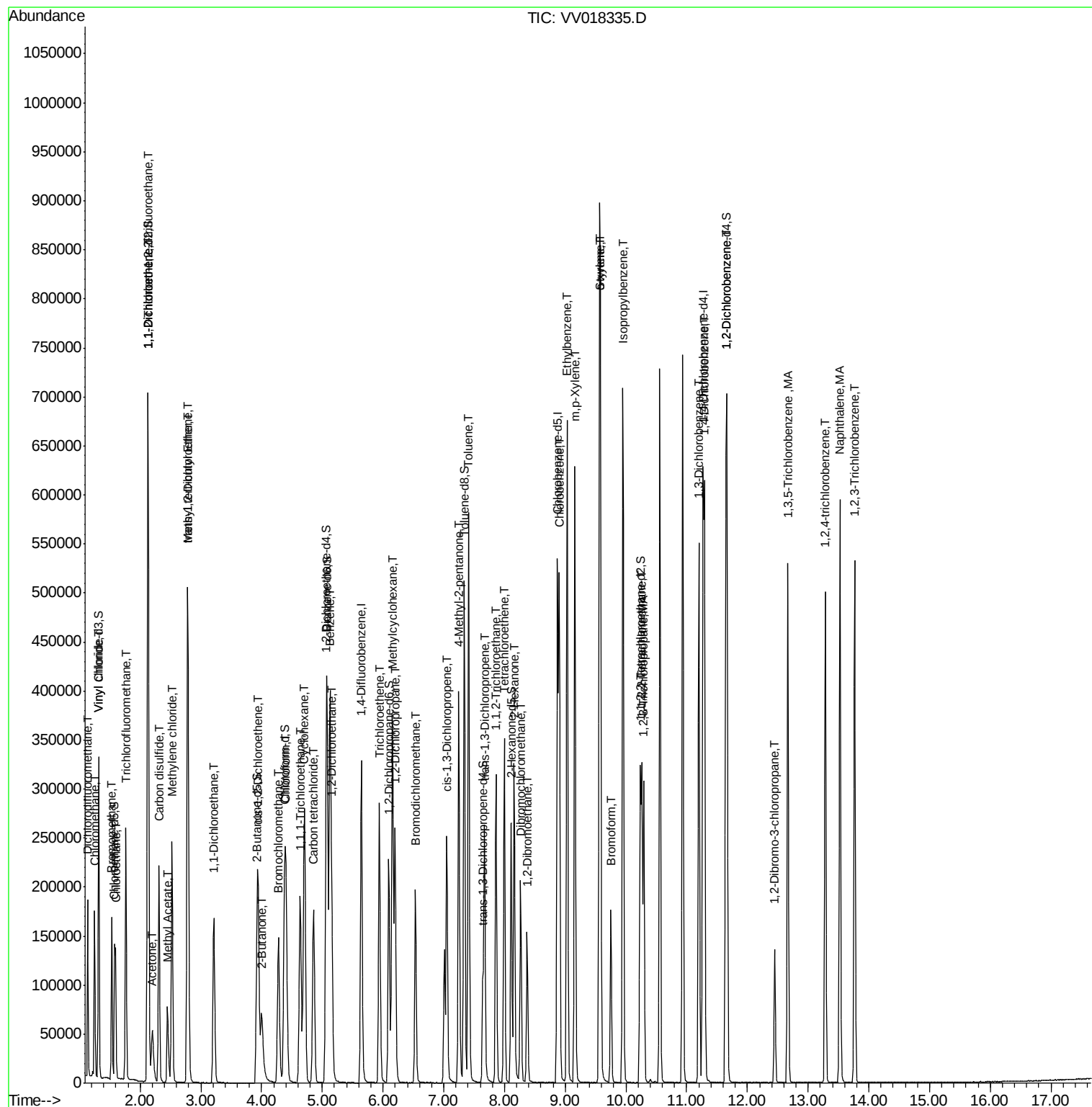
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.28	128	50692	48.333	ug/L	95
25) Chloroform	4.40	83	175594	48.722	ug/L	98
27) 1,2-Dichloroethane	5.16	62	137975	49.453	ug/L	99
29) Cyclohexane	4.71	56	152913	48.225	ug/L	100
30) 1,1,1-Trichloroethane	4.64	97	155097	48.669	ug/L	100
31) Carbon tetrachloride	4.86	117	136167	48.594	ug/L	99
33) Benzene	5.13	78	387263	49.327	ug/L	100
34) Trichloroethene	5.94	95	99425	46.489	ug/L	99
35) Methylcyclohexane	6.16	83	153125	47.553	ug/L	99
37) 1,2-Dichloropropane	6.20	63	101390	48.736	ug/L	99
38) Bromodichloromethane	6.53	83	131391	48.532	ug/L	100
39) cis-1,3-Dichloropropene	7.05	75	152141	47.464	ug/L	99
40) 4-Methyl-2-pentanone	7.25	43	257691	102.101	ug/L	100
42) Toluene	7.41	91	412039	49.593	ug/L	99
44) trans-1,3-Dichloropropene	7.67	75	148793	47.675	ug/L	99
45) 1,1,2-Trichloroethane	7.86	97	95169	49.354	ug/L	97
46) Tetrachloroethene	8.00	164	80731	48.143	ug/L	98
48) 2-Hexanone	8.16	43	202449	101.745	ug/L	100
49) Dibromochloromethane	8.27	129	105532	48.757	ug/L	99
50) 1,2-Dibromoethane	8.37	107	101035	49.785	ug/L	97
51) Chlorobenzene	8.90	112	263475	48.830	ug/L	99
52) Ethylbenzene	9.03	91	451390	49.763	ug/L	100
53) m,p-Xylene	9.16	106	170480	50.353	ug/L	98
54) o-xylene	9.56	106	163541	50.139	ug/L	99
55) Styrene	9.58	104	292218	51.544	ug/L	99
56) Isopropylbenzene	9.95	105	443978	50.506	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	149390	52.374	ug/L	99
59) 1,2,3-Trichloropropane	10.30	75	123223	50.358	ug/L	99
61) Bromoform	9.75	173	77986	48.172	ug/L	99
62) 1,3-Dichlorobenzene	11.20	146	217322	48.498	ug/L	99
63) 1,4-Dichlorobenzene	11.29	146	223832	48.597	ug/L	99
65) 1,2-Dichlorobenzene	11.67	146	220429	48.667	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.45	75	32295	50.528	ug/L	97
67) 1,3,5-Trichlorobenzene	12.67	180	166383	47.099	ug/L	99
68) 1,2,4-trichlorobenzene	13.28	180	152253	48.399	ug/L	99
69) Naphthalene	13.52	128	449411	56.460	ug/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	160338	51.749	ug/L	100

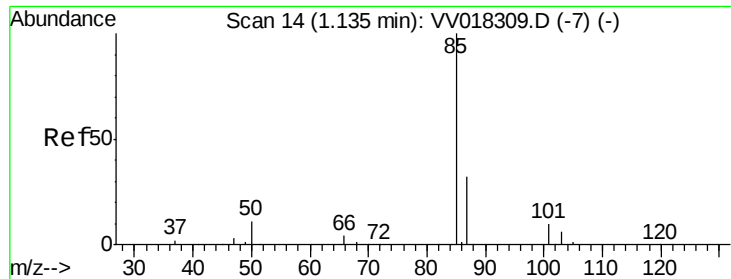
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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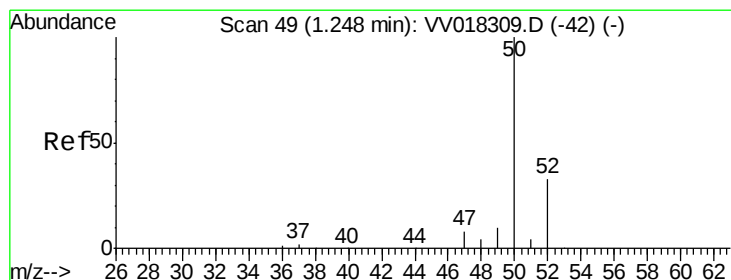
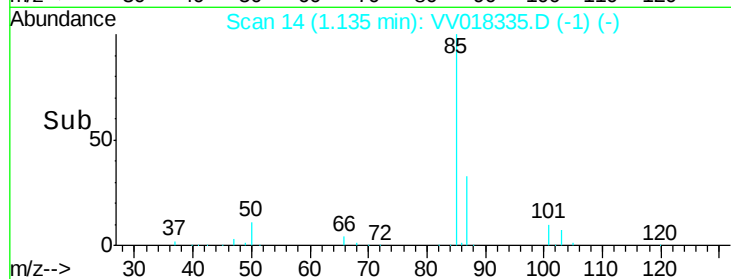
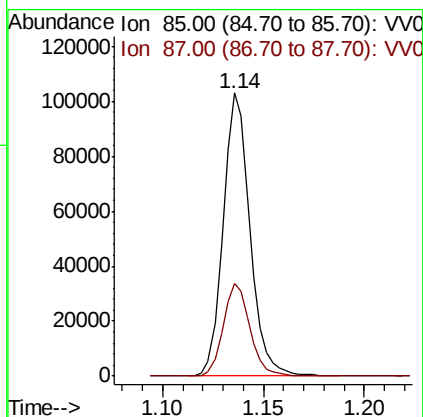
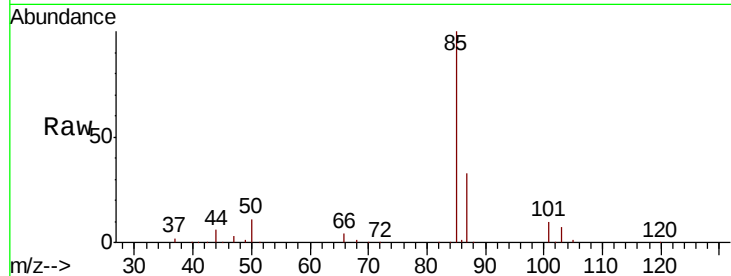




#2
 Dichlorodifluoromethane
 Concen: 47.304 ug/L
 RT: 1.14 min Scan# 14
 Delta R.T. 0.00 min
 Lab File: VV018335.D
 Acq: 18 Sep 2020 20:00

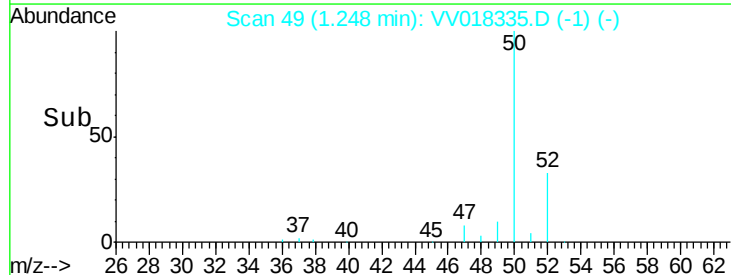
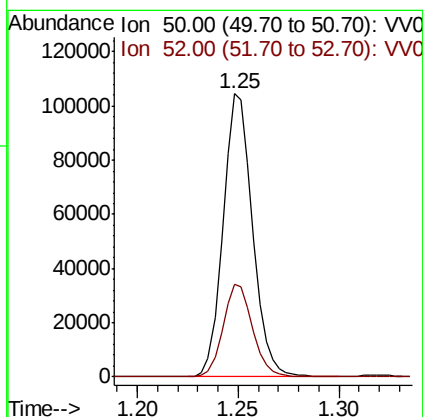
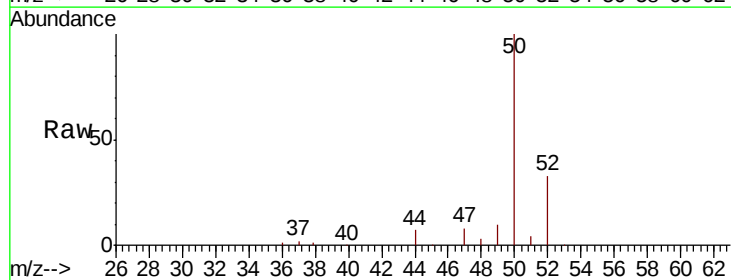
Instrument :
 MSVOA_V
 ClientSampleId :

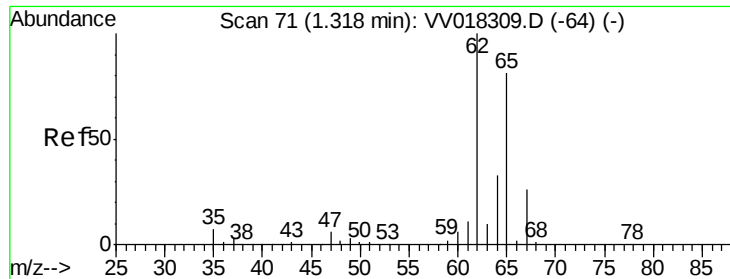
Tot Ion: 85 Resp: 95590
 Ion Ratio Lower Upper
 85 100
 87 32.6 25.7 38.5



#3
 Chloromethane
 Concen: 48.361 ug/L
 RT: 1.25 min Scan# 49
 Delta R.T. 0.00 min
 Lab File: VV018335.D
 Acq: 18 Sep 2020 20:00

Tgt Ion: 50 Resp: 106710
 Ion Ratio Lower Upper
 50 100
 52 32.7 22.7 42.3





#5

Vinyl chloride

Concen: 47.825 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV018335.D

Acq: 18 Sep 2020 20:00

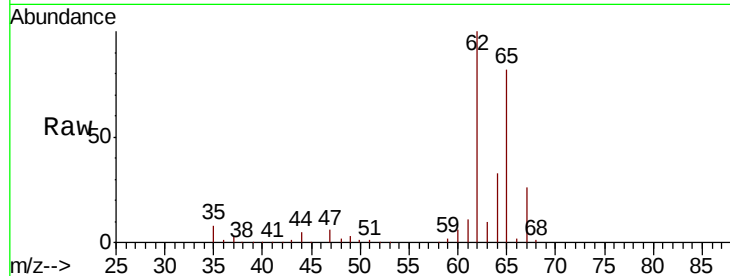
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 62 Resp: 108215

Ion Ratio Lower Upper

62 100

64 33.0 23.1 42.9



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0

1.32

100000

80000

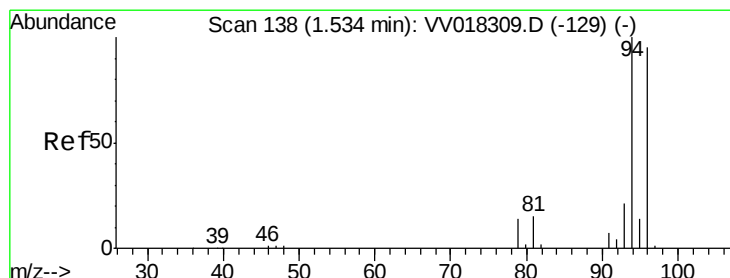
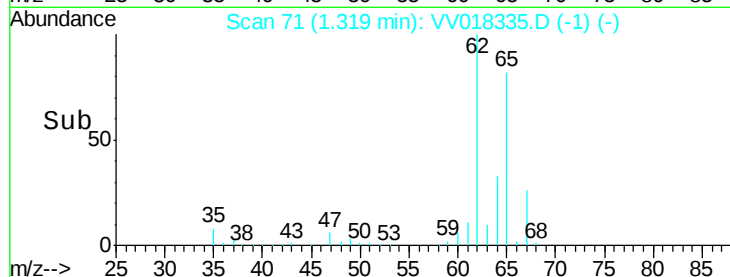
60000

40000

20000

0

Time-->



#6

Bromomethane

Concen: 49.050 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV018335.D

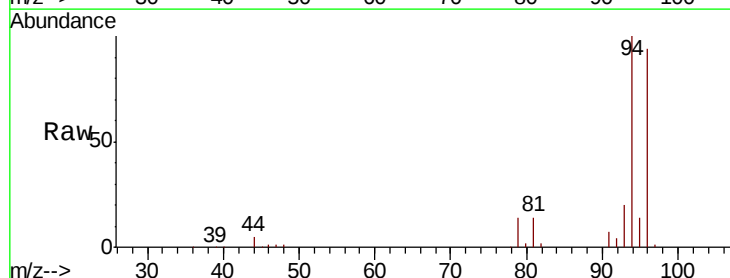
Acq: 18 Sep 2020 20:00

Tgt Ion: 94 Resp: 67836

Ion Ratio Lower Upper

94 100

96 94.0 65.1 120.9



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

1.53

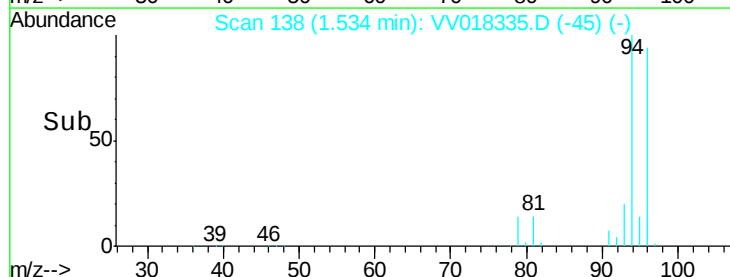
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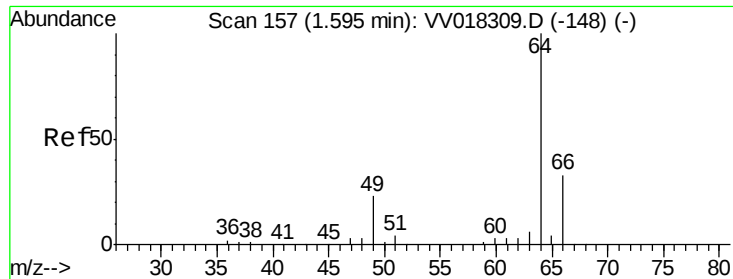
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20000

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Time-->

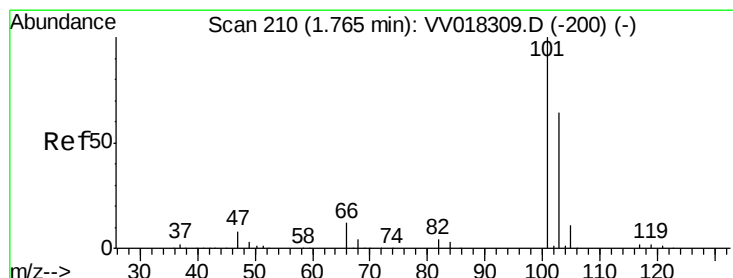
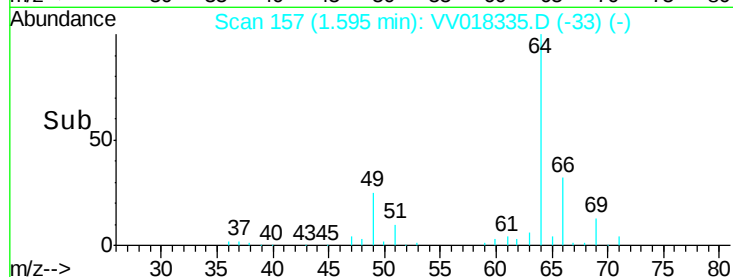
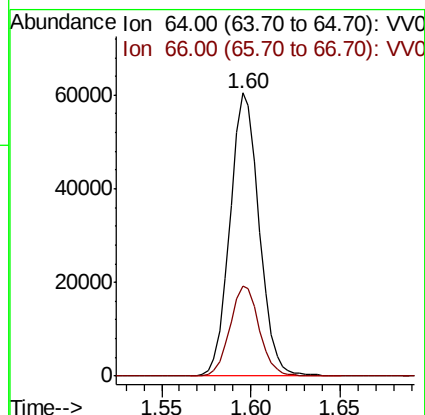
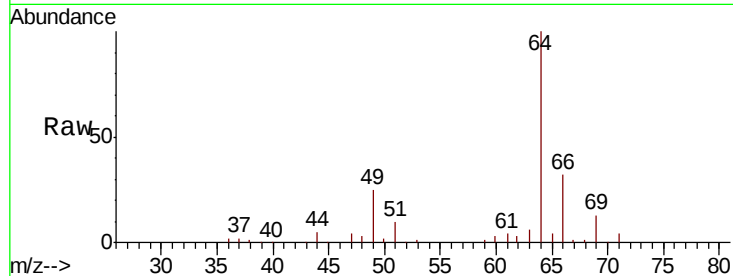




#8
Chloroethane
Concen: 48.379 ug/L
RT: 1.60 min Scan# 157
Delta R.T. 0.00 min
Lab File: VV018335.D
Acq: 18 Sep 2020 20:00

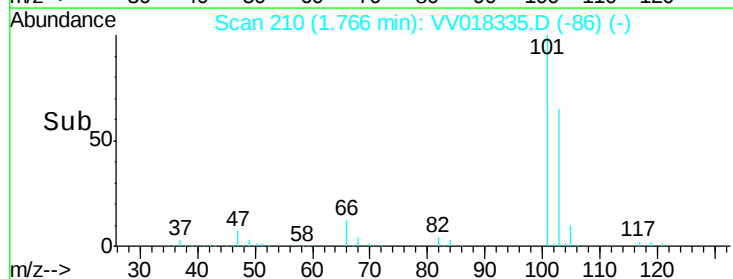
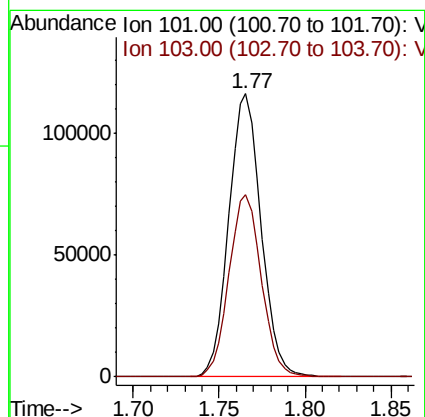
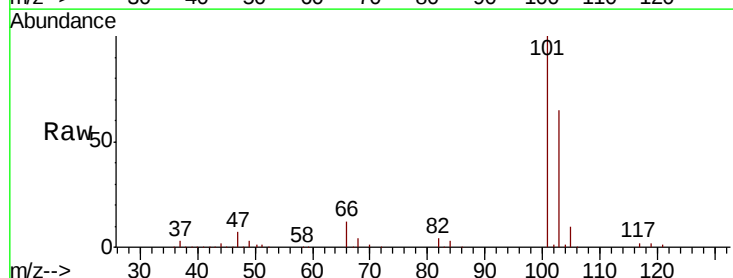
Instrument :
MSVOA_V
ClientSampleId :

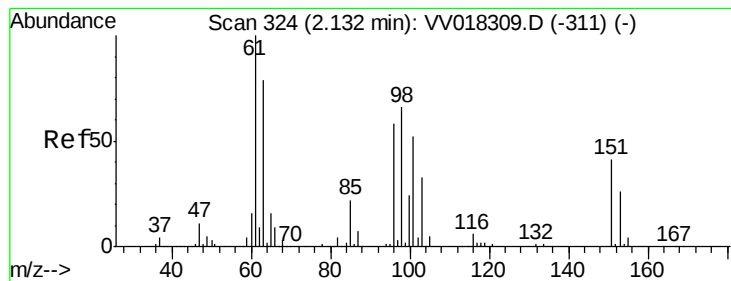
Tot Ion: 64 Resp: 68574
Ion Ratio Lower Upper
64 100
66 32.0 22.5 41.7



#9
Trichlorofluoromethane
Concen: 48.819 ug/L
RT: 1.77 min Scan# 210
Delta R.T. 0.00 min
Lab File: VV018335.D
Acq: 18 Sep 2020 20:00

Tgt Ion: 101 Resp: 151986
Ion Ratio Lower Upper
101 100
103 64.8 51.8 77.6





#10

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

Concen: 47.988 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV018335.D

Acq: 18 Sep 2020 20:00

Instrument :

MSVOA_V

ClientSampleId :

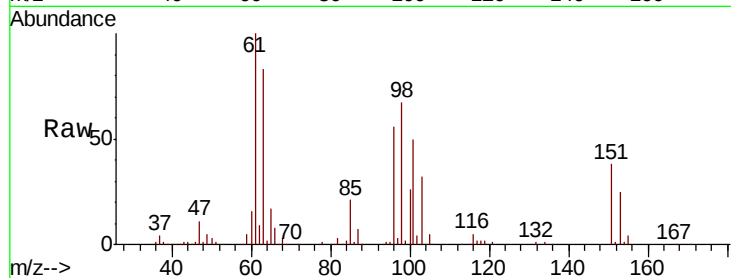
Tot Ion:101 Resp: 89740

Ion Ratio Lower Upper

101 100

85 43.3 33.5 50.3

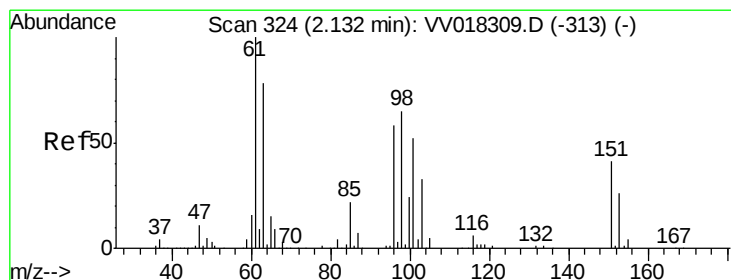
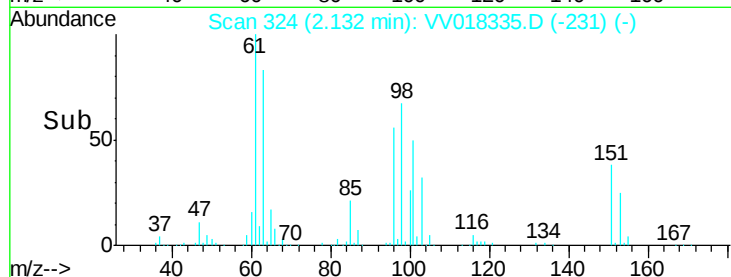
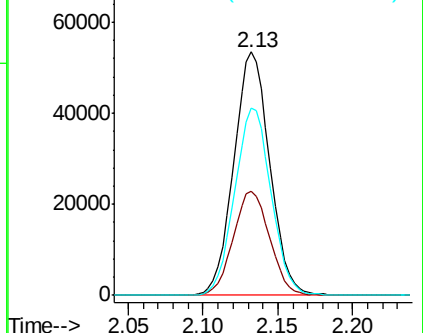
151 77.9 62.2 93.2



Abundance Ion 101.00 (100.70 to 101.70): VV018335.D (-231) (-)

Ion 85.00 (84.70 to 85.70): VV018335.D (-231) (-)

Ion 151.00 (150.70 to 151.70): VV018335.D (-231) (-)



#12

1,1-Dichloroethene

Concen: 48.471 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV018335.D

Acq: 18 Sep 2020 20:00

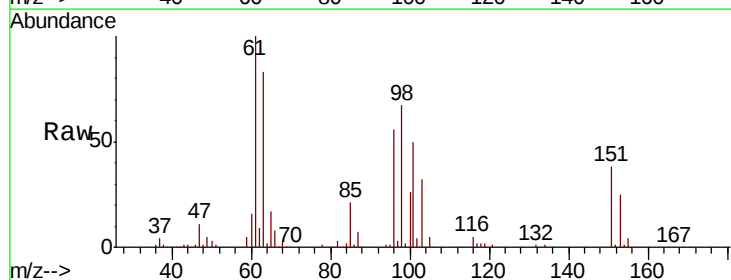
Tgt Ion: 96 Resp: 88198

Ion Ratio Lower Upper

96 100

61 178.4 122.9 228.3

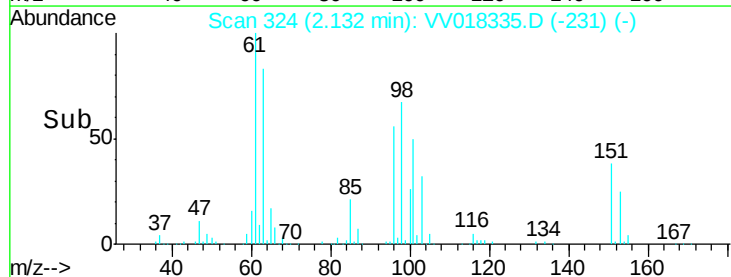
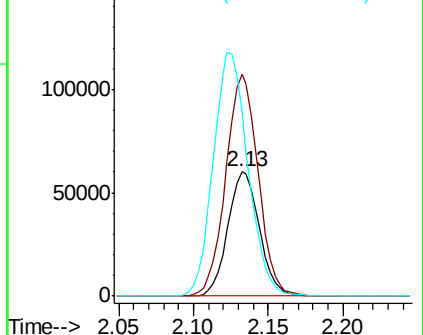
63 147.5 91.9 170.7

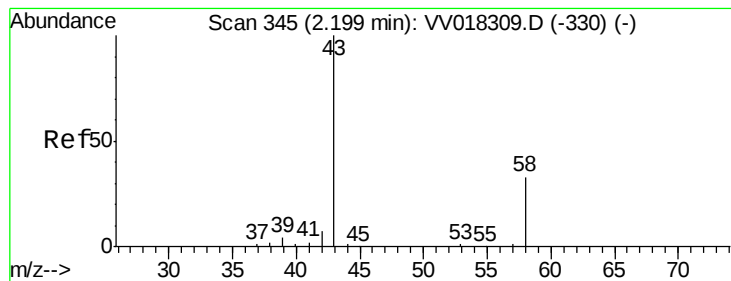


Abundance Ion 96.00 (95.70 to 96.70): VV018335.D (-231) (-)

Ion 61.00 (60.70 to 61.70): VV018335.D (-231) (-)

Ion 63.00 (62.70 to 63.70): VV018335.D (-231) (-)





#13

Acetone

Concen: 78.401 ug/L

RT: 2.20 min Scan# 346

Delta R.T. 0.00 min

Lab File: VV018335.D

Acq: 18 Sep 2020 20:00

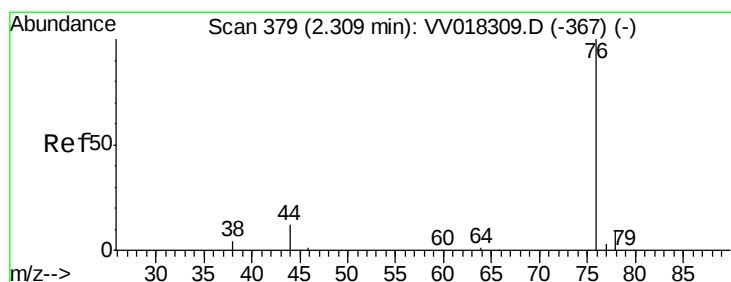
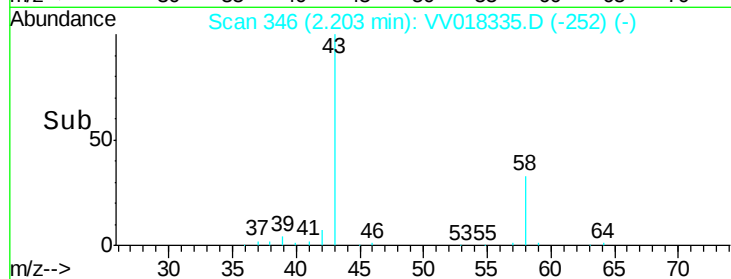
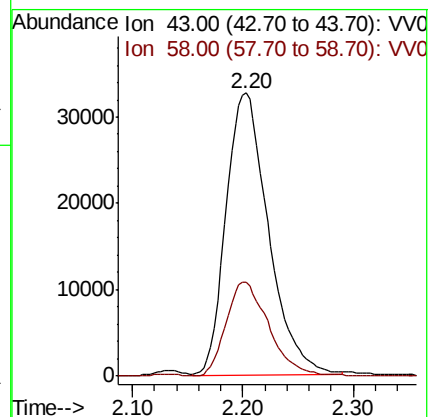
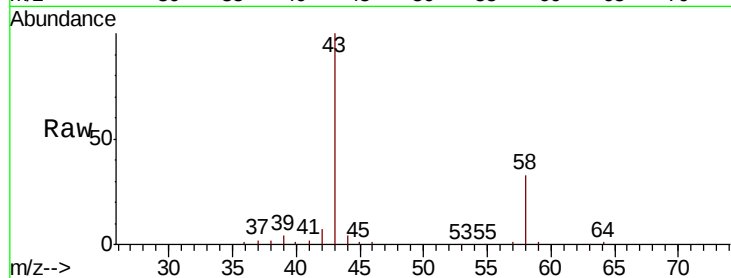
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 86784

Ion Ratio Lower Upper

43 100

58 33.7 0.0 67.4



#14

Carbon disulfide

Concen: 45.873 ug/L

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VV018335.D

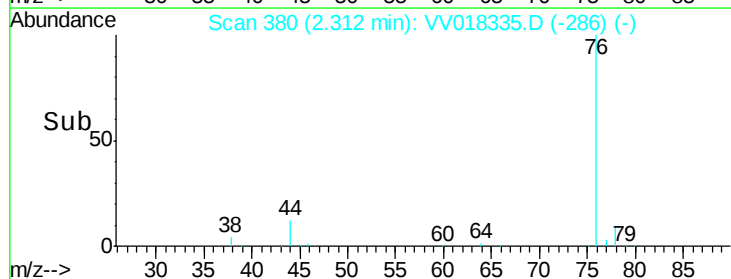
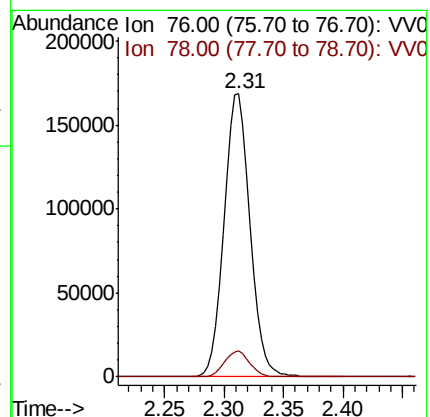
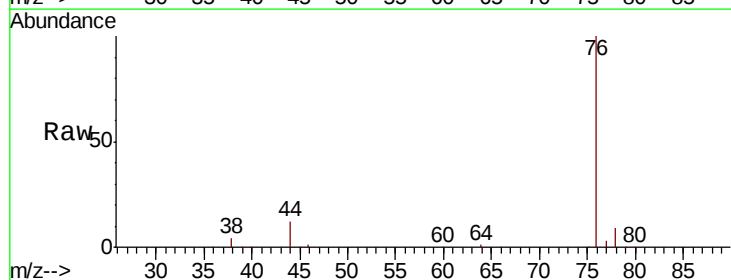
Acq: 18 Sep 2020 20:00

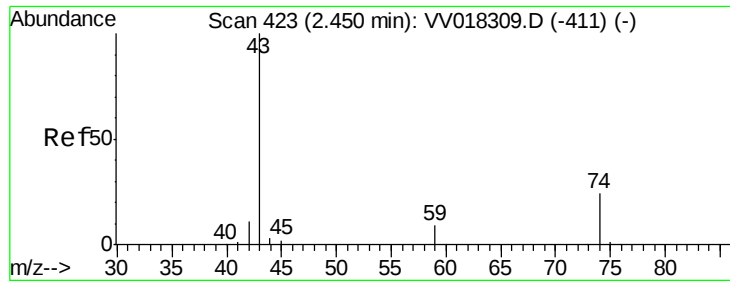
Tgt Ion: 76 Resp: 255413

Ion Ratio Lower Upper

76 100

78 9.1 7.3 10.9





#15

Methyl Acetate

Concen: 49.641 ug/L

RT: 2.45 min Scan# 423

Delta R.T. 0.00 min

Lab File: VV018335.D

Acq: 18 Sep 2020 20:00

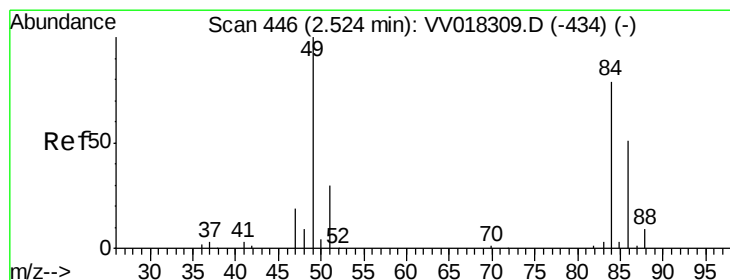
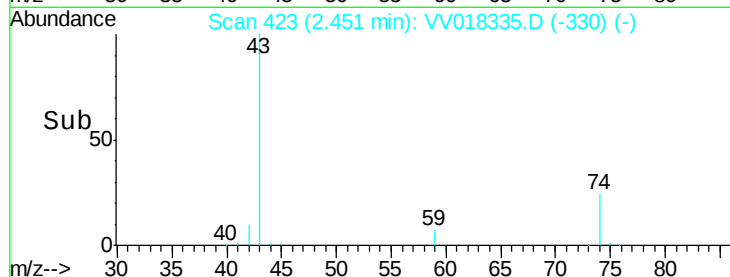
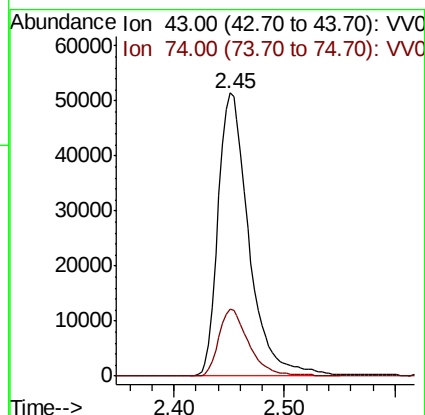
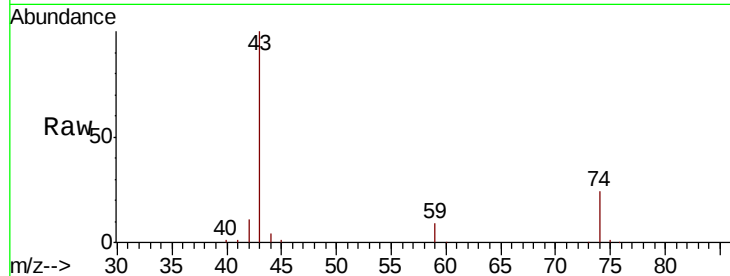
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 98750

Ion Ratio Lower Upper

43 100

74 23.0 18.4 27.6



#16

Methylene chloride

Concen: 49.084 ug/L

RT: 2.52 min Scan# 446

Delta R.T. 0.00 min

Lab File: VV018335.D

Acq: 18 Sep 2020 20:00

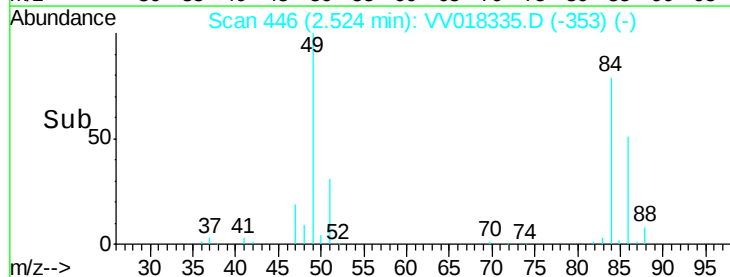
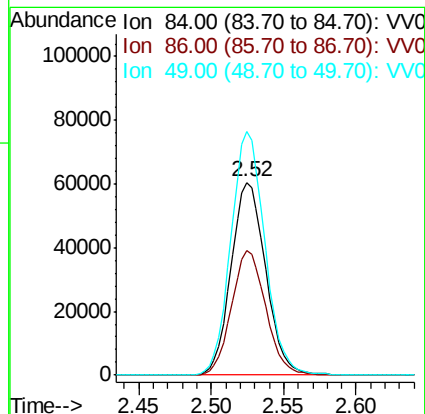
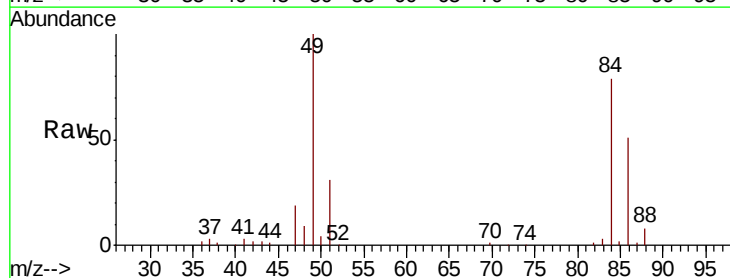
Tgt Ion: 84 Resp: 100165

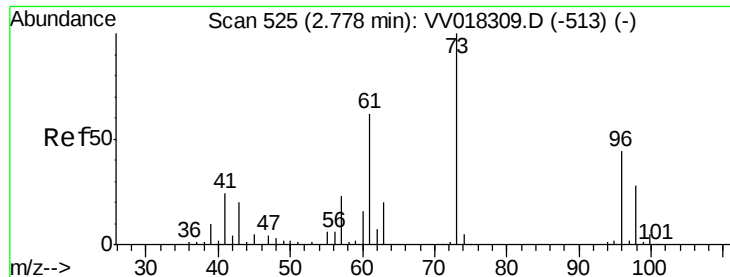
Ion Ratio Lower Upper

84 100

86 64.6 44.4 82.4

49 126.3 87.2 162.0

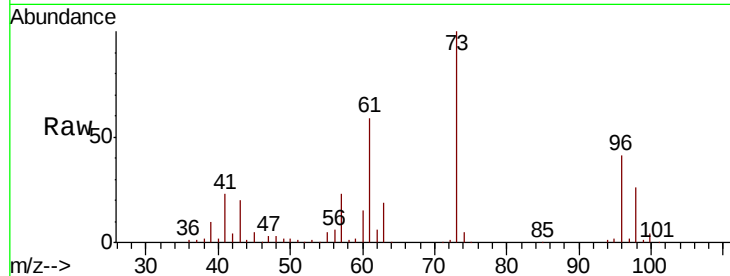




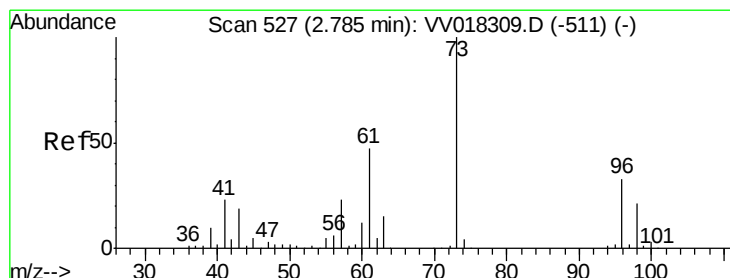
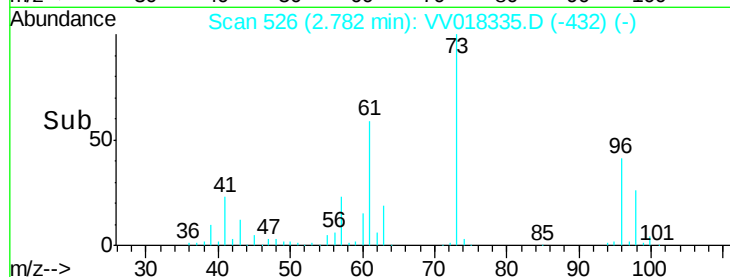
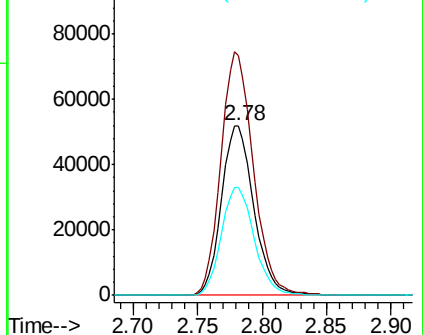
#17
trans-1,2-Dichloroethene
Concen: 48.253 ug/L
RT: 2.78 min Scan# 526
Delta R.T. 0.00 min
Lab File: VV018335.D
Acq: 18 Sep 2020 20:00

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 96 Resp: 90485
Ion Ratio Lower Upper
96 100
61 141.5 100.7 186.9
98 63.8 45.2 84.0

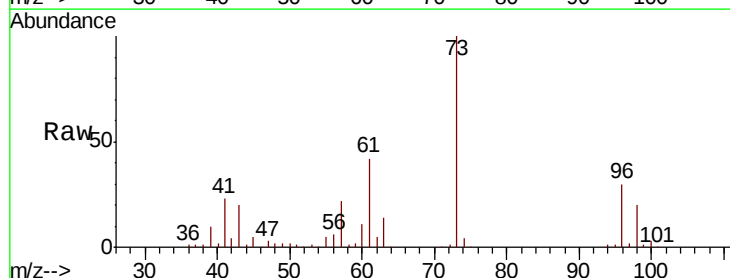


Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 98.00 (97.70 to 98.70): VV0

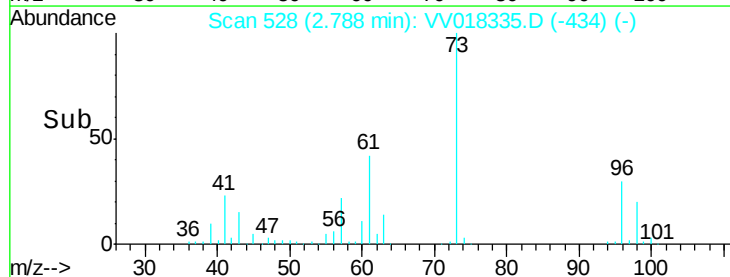
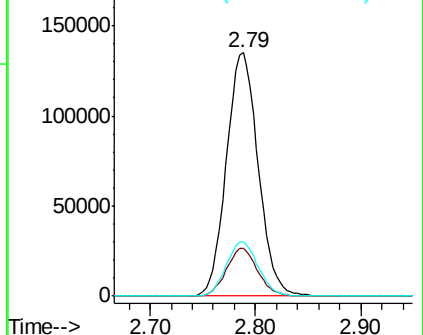


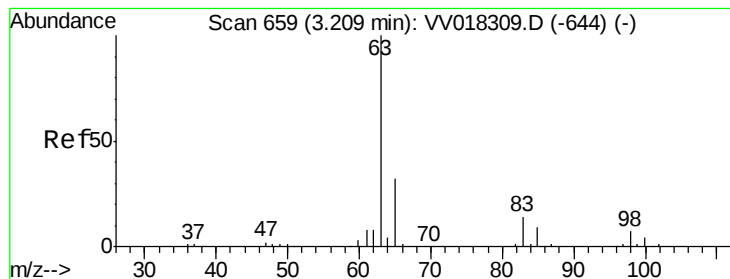
#18
Methyl tert-butyl Ether
Concen: 48.596 ug/L
RT: 2.79 min Scan# 528
Delta R.T. 0.00 min
Lab File: VV018335.D
Acq: 18 Sep 2020 20:00

Tgt Ion: 73 Resp: 281895
Ion Ratio Lower Upper
73 100
43 19.4 15.4 23.0
57 22.5 18.0 27.0



Abundance Ion 73.00 (72.70 to 73.70): VV0
Ion 43.00 (42.70 to 43.70): VV0
Ion 57.00 (56.70 to 57.70): VV0





#19

1,1-Dichloroethane

Concen: 49.372 ug/L

RT: 3.21 min Scan# 660

Delta R.T. 0.00 min

Lab File: VV018335.D

Acq: 18 Sep 2020 20:00

Instrument :

MSVOA_V

ClientSampled :

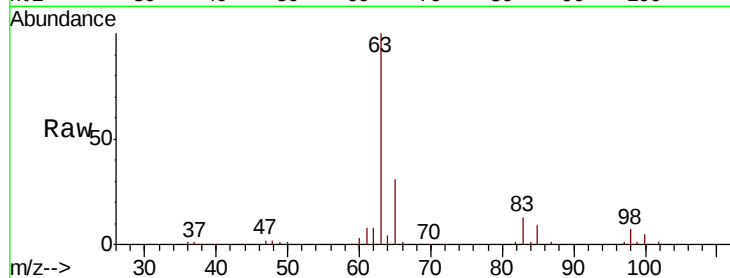
Tot Ion: 63 Resp: 175049

Ion Ratio Lower Upper

63 100

65 31.4 22.5 41.7

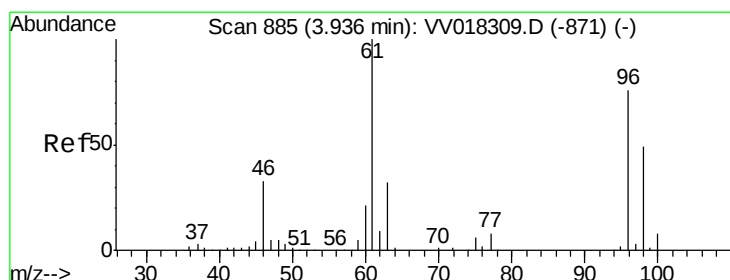
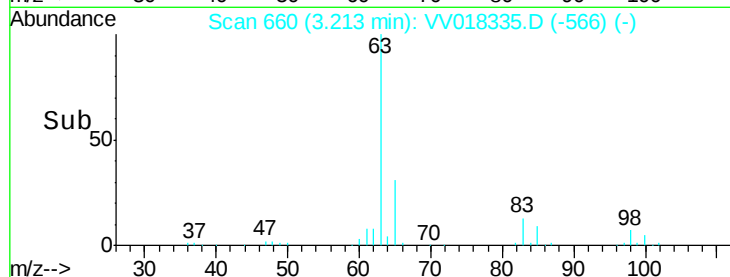
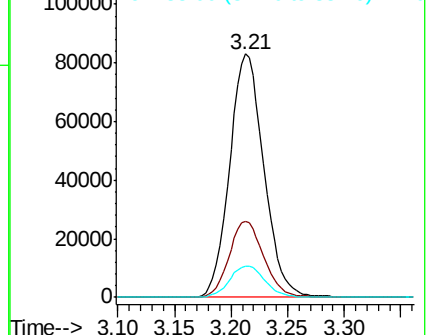
83 12.9 9.3 17.3



Abundance Ion 63.00 (62.70 to 63.70): VV0

Ion 65.00 (64.70 to 65.70): VV0

Ion 83.00 (82.70 to 83.70): VV0



#20

cis-1,2-Dichloroethene

Concen: 48.542 ug/L

RT: 3.94 min Scan# 887

Delta R.T. 0.01 min

Lab File: VV018335.D

Acq: 18 Sep 2020 20:00

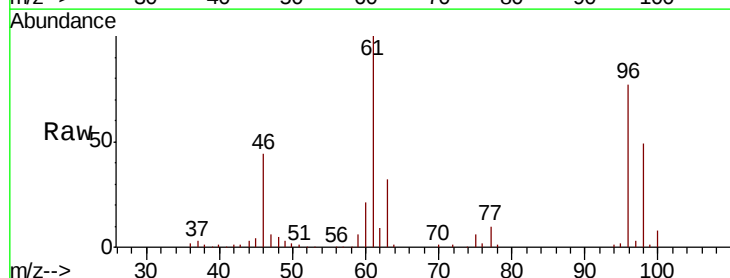
Tgt Ion: 96 Resp: 97305

Ion Ratio Lower Upper

96 100

61 130.1 93.6 173.8

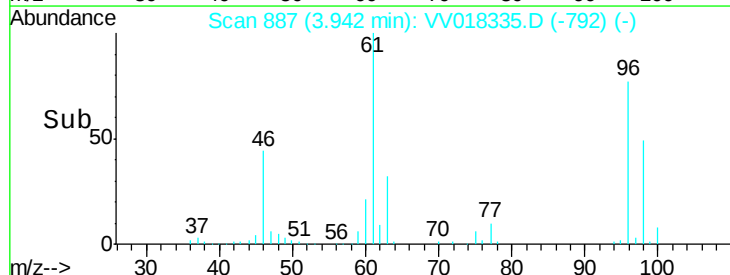
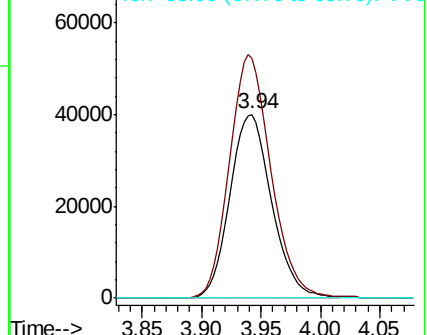
68 0.0 0.0 0.0

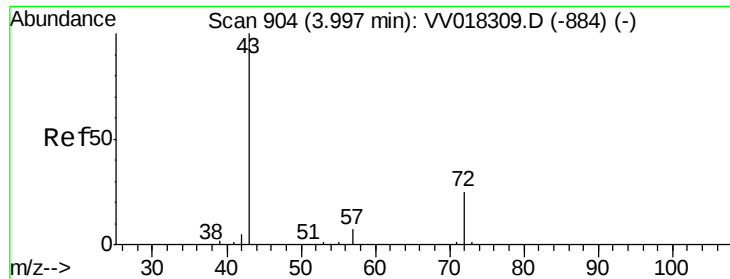


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 68.00 (67.70 to 68.70): VV0





#22

2-Butanone

Concen: 97.000 ug/L

RT: 4.00 min Scan# 905

Delta R.T. 0.00 min

Lab File: VV018335.D

Acq: 18 Sep 2020 20:00

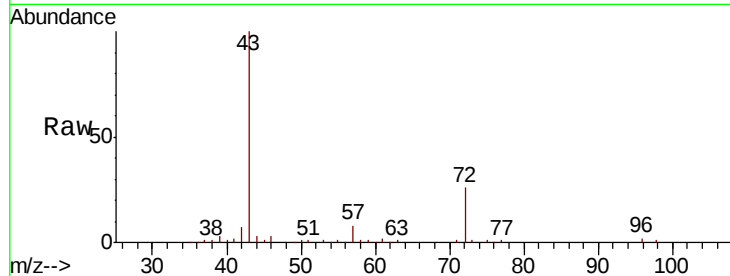
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 127143

Ion Ratio Lower Upper

43 100

72 25.1 13.1 39.3

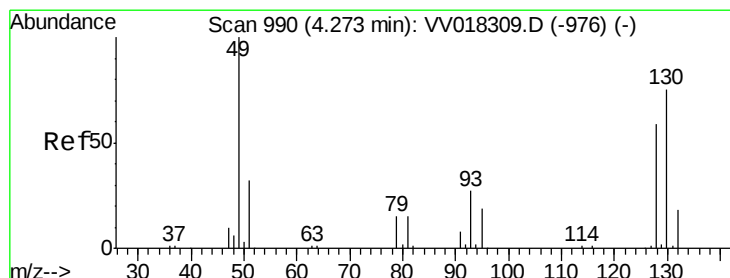
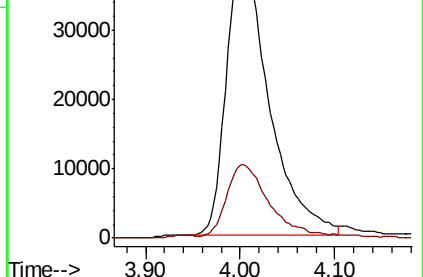
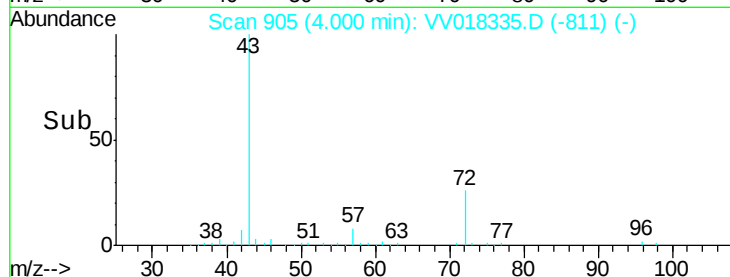


Abundance Ion 43.00 (42.70 to 43.70): VV018335.D (-811) (-)

Ion 72.00 (71.70 to 72.70): VV018335.D (-811) (-)

4.00

Time-->



#23

Bromochloromethane

Concen: 48.333 ug/L

RT: 4.28 min Scan# 991

Delta R.T. 0.00 min

Lab File: VV018335.D

Acq: 18 Sep 2020 20:00

Tgt Ion: 128 Resp: 50692

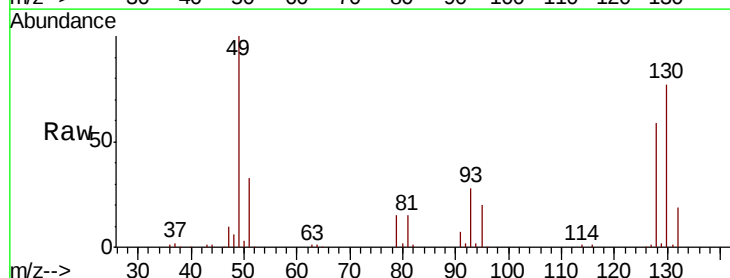
Ion Ratio Lower Upper

128 100

49 170.7 114.4 212.6

130 131.0 87.9 163.3

51 56.2 41.8 62.8



Abundance Ion 128.00 (127.70 to 128.70): VV018335.D (-897) (-)

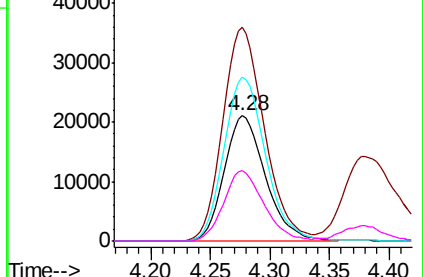
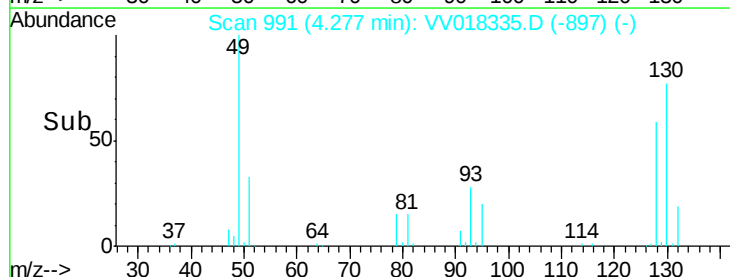
Ion 49.00 (48.70 to 49.70): VV018335.D (-897) (-)

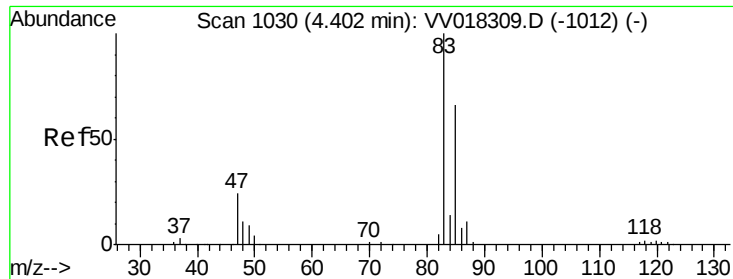
Ion 130.00 (129.70 to 130.70): VV018335.D (-897) (-)

Ion 51.00 (50.70 to 51.70): VV018335.D (-897) (-)

4.28

Time-->

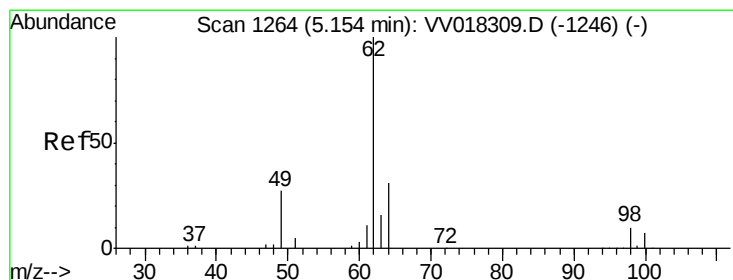
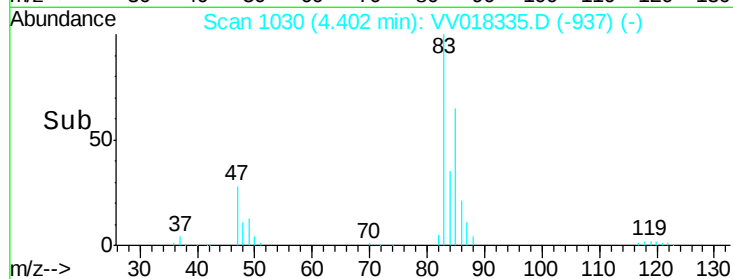
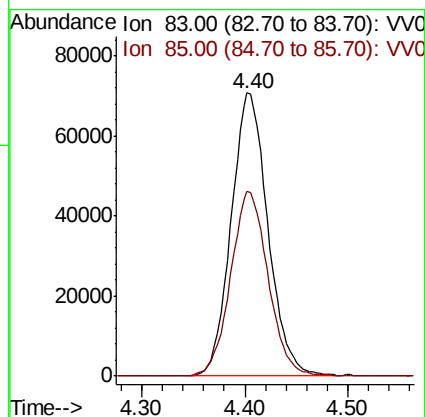
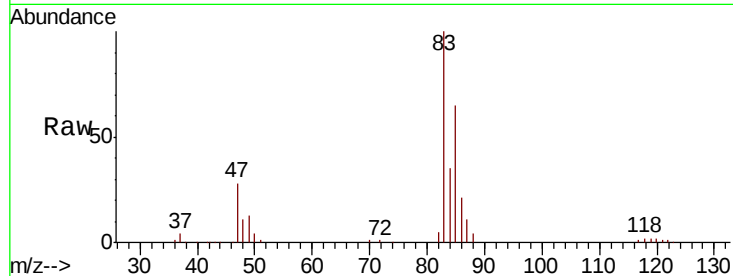




#25
Chloroform
Concen: 48.722 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VV018335.D
Acq: 18 Sep 2020 20:00

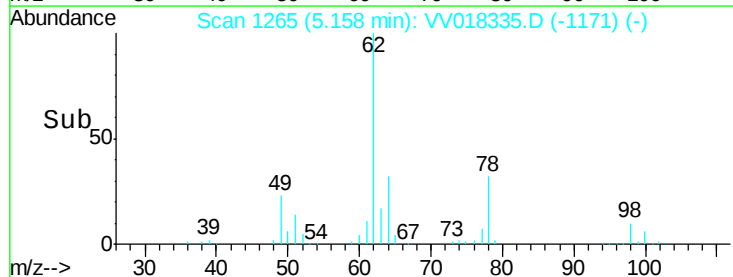
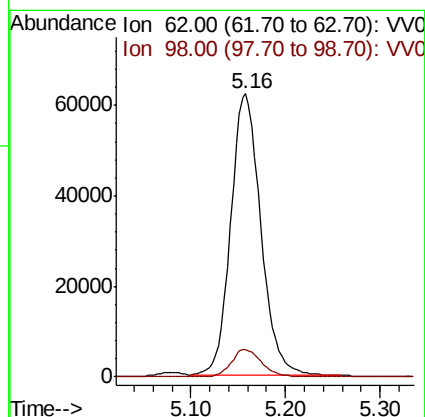
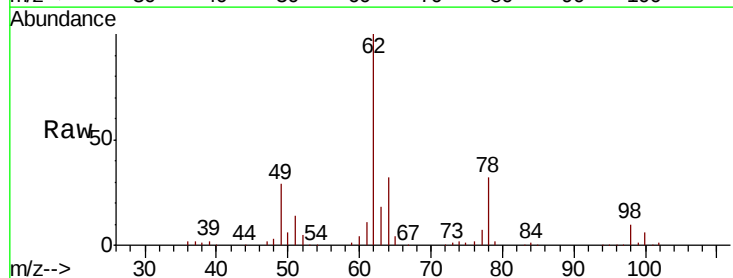
Instrument :
MSVOA_V
ClientSampleId :

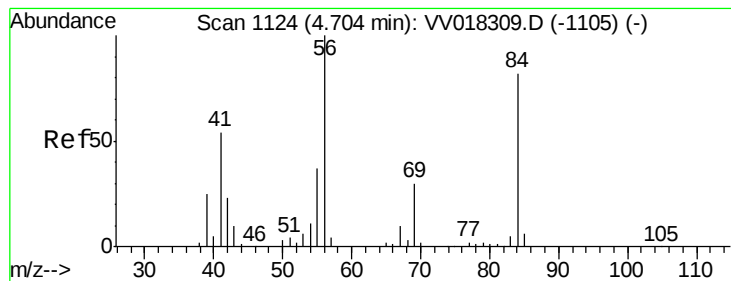
Tot Ion: 83 Resp: 175594
Ion Ratio Lower Upper
83 100
85 65.5 45.0 83.6



#27
1,2-Dichloroethane
Concen: 49.453 ug/L
RT: 5.16 min Scan# 1265
Delta R.T. 0.00 min
Lab File: VV018335.D
Acq: 18 Sep 2020 20:00

Tgt Ion: 62 Resp: 137975
Ion Ratio Lower Upper
62 100
98 9.8 7.6 11.4





#29

Cyclohexane

Concen: 48.225 ug/L

RT: 4.71 min Scan# 1125

Delta R.T. 0.00 min

Lab File: VV018335.D

Acq: 18 Sep 2020 20:00

Instrument :
MSVOA_V
ClientSampleId :

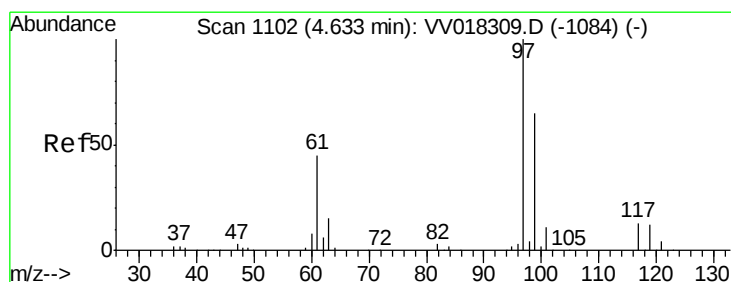
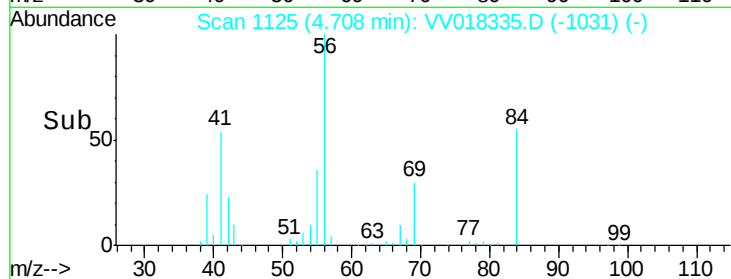
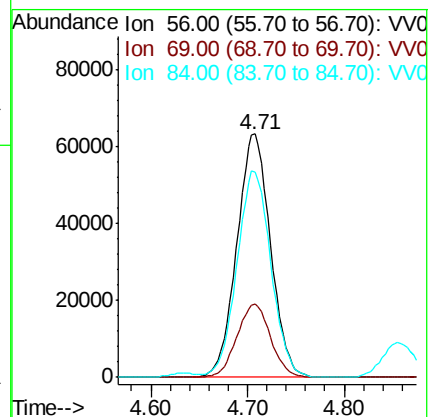
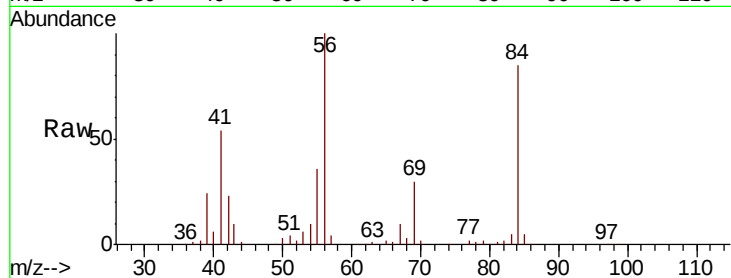
Tot Ion: 56 Resp: 152913

Ion Ratio Lower Upper

56 100

69 30.1 24.2 36.2

84 85.8 68.3 102.5



#30

1,1,1-Trichloroethane

Concen: 48.669 ug/L

RT: 4.64 min Scan# 1103

Delta R.T. 0.00 min

Lab File: VV018335.D

Acq: 18 Sep 2020 20:00

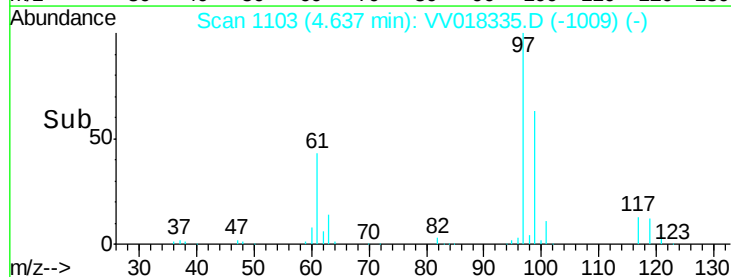
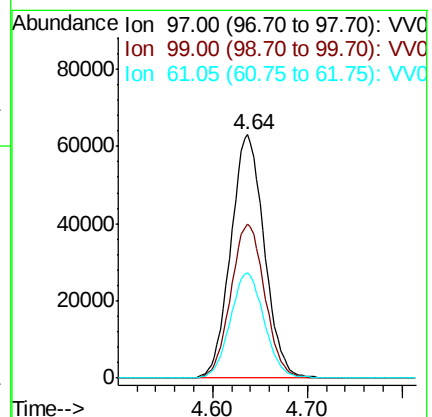
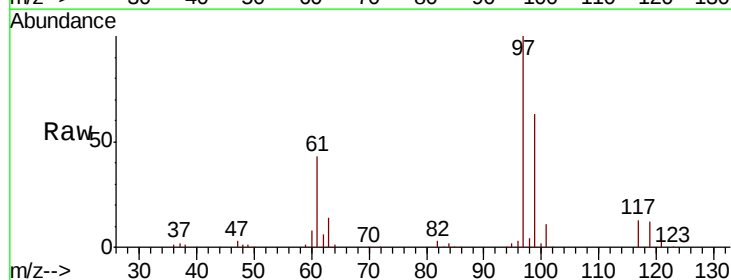
Tgt Ion: 97 Resp: 155097

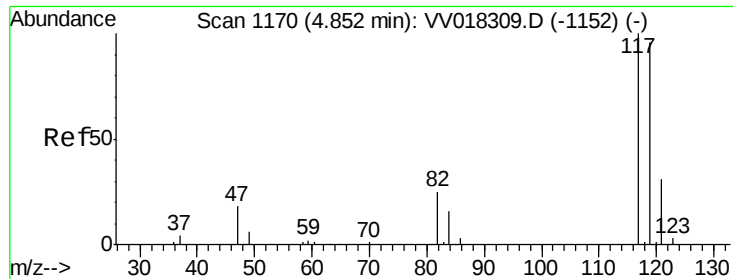
Ion Ratio Lower Upper

97 100

99 64.2 51.6 77.4

61 43.9 34.9 52.3

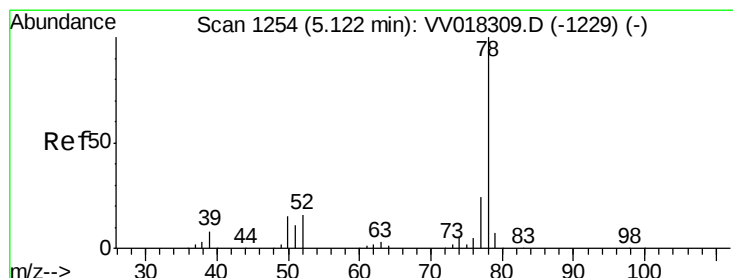
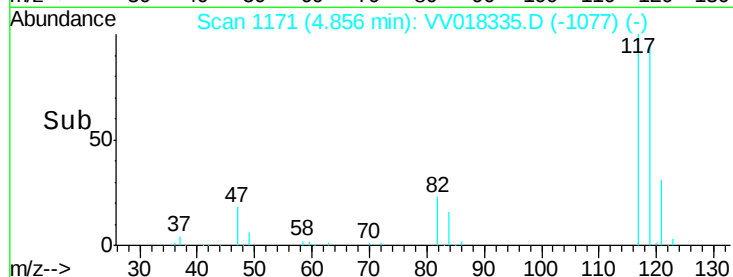
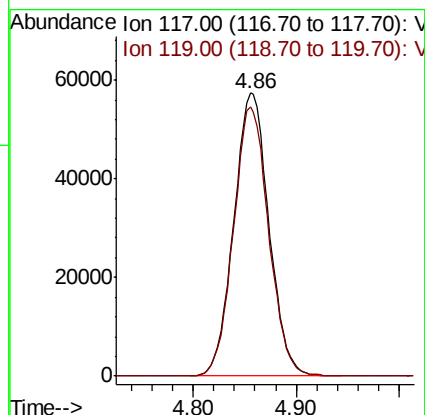
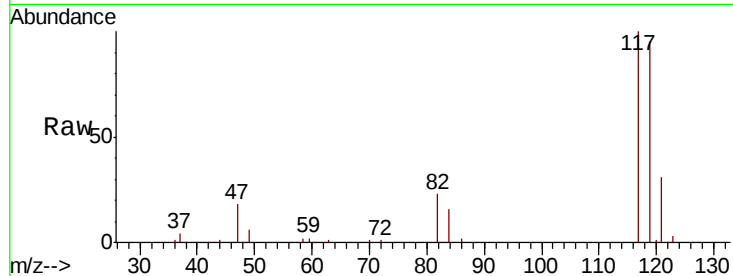




#31
Carbon tetrachloride
Concen: 48.594 ug/L
RT: 4.86 min Scan# 1171
Delta R.T. 0.00 min
Lab File: VV018335.D
Acq: 18 Sep 2020 20:00

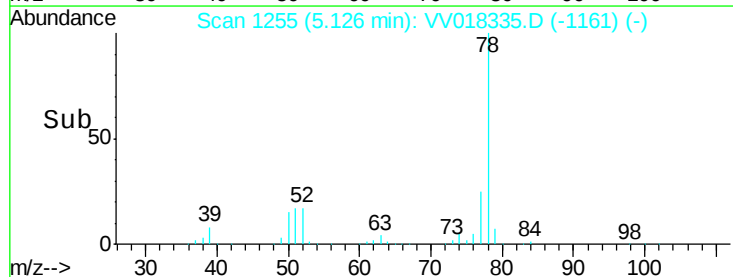
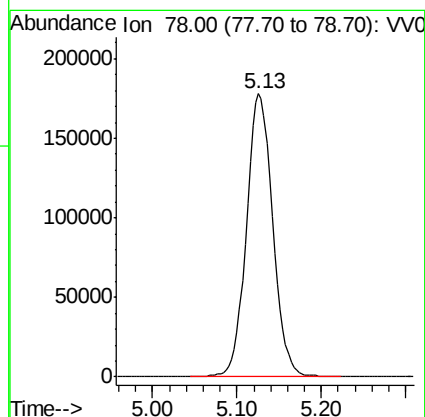
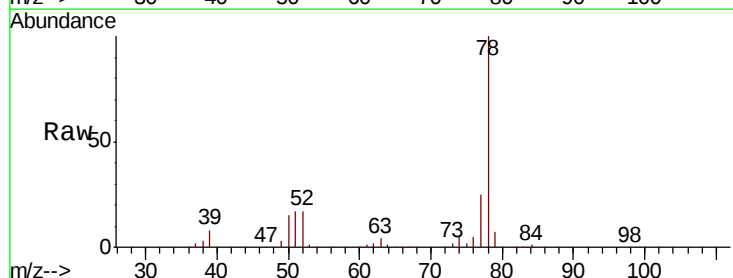
Instrument :
MSVOA_V
ClientSampleId :

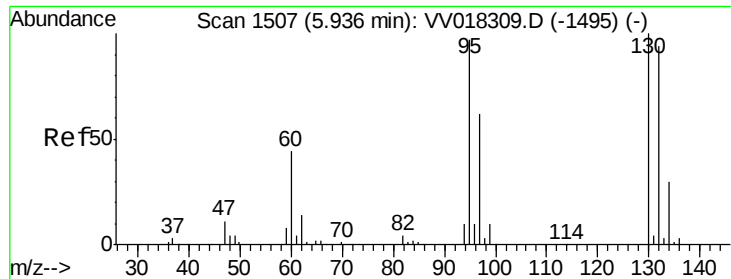
Tot Ion:117 Resp: 136167
Ion Ratio Lower Upper
117 100
119 95.2 75.7 113.5



#33
Benzene
Concen: 49.327 ug/L
RT: 5.13 min Scan# 1255
Delta R.T. 0.00 min
Lab File: VV018335.D
Acq: 18 Sep 2020 20:00

Tgt Ion: 78 Resp: 387263

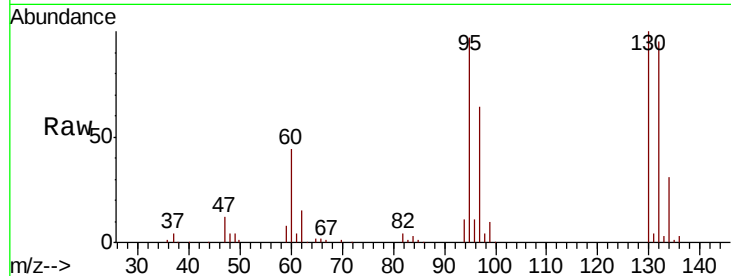




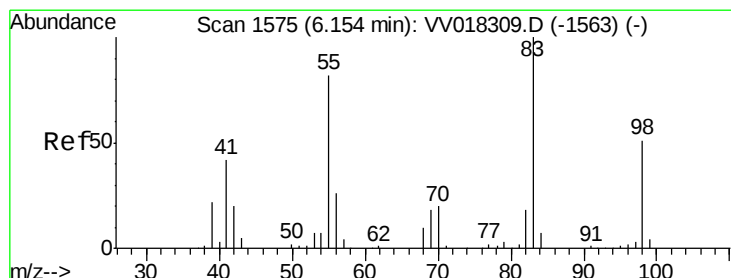
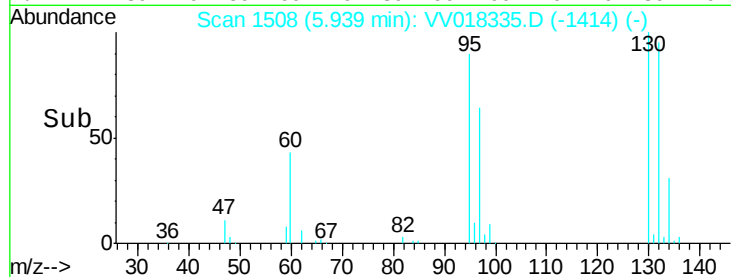
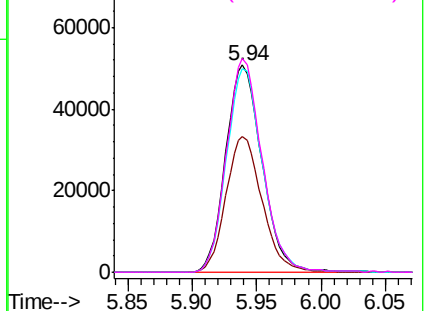
#34
 Trichloroethene
 Concen: 46.489 ug/L
 RT: 5.94 min Scan# 1508
 Delta R.T. 0.00 min
 Lab File: VV018335.D
 Acq: 18 Sep 2020 20:00

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 95 Resp: 99425
 Ion Ratio Lower Upper
 95 100
 97 65.9 46.3 85.9
 132 98.3 68.1 126.5
 130 103.2 71.5 132.9

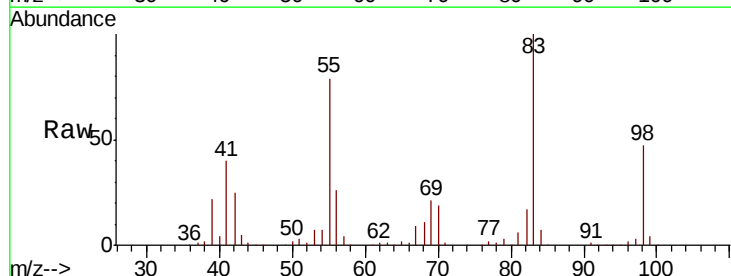


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 97.00 (96.70 to 97.70): VV0
 Ion 132.00 (131.70 to 132.70): VV0
 Ion 130.00 (129.70 to 130.70): VV0

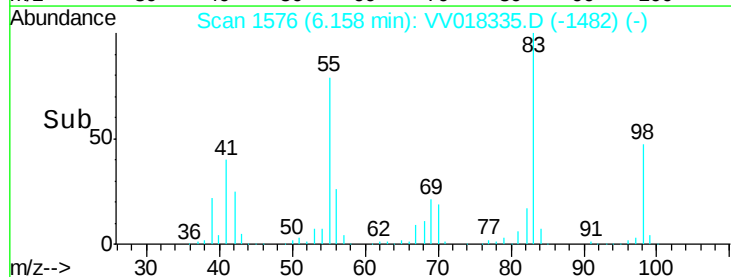
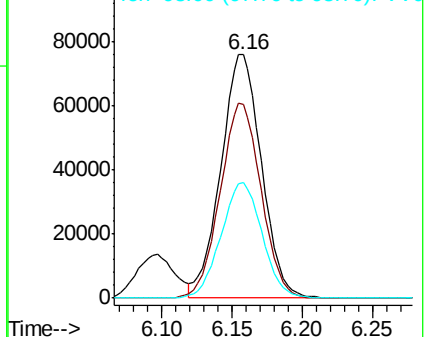


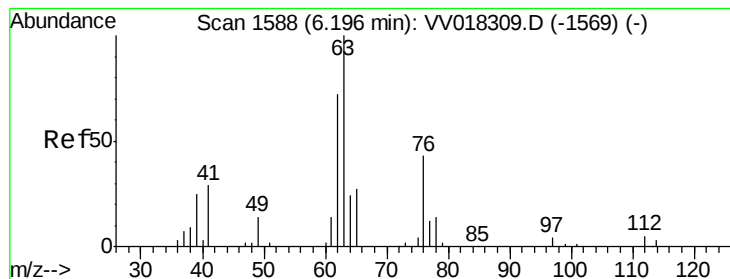
#35
 Methylcyclohexane
 Concen: 47.553 ug/L
 RT: 6.16 min Scan# 1576
 Delta R.T. 0.00 min
 Lab File: VV018335.D
 Acq: 18 Sep 2020 20:00

Tgt Ion: 83 Resp: 153125
 Ion Ratio Lower Upper
 83 100
 55 80.1 63.4 95.2
 98 47.9 38.8 58.2



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





#37

1,2-Dichloropropane

Concen: 48.736 ug/L

RT: 6.20 min Scan# 1588

Delta R.T. 0.00 min

Lab File: VV018335.D

Acq: 18 Sep 2020 20:00

Instrument :

MSVOA_V

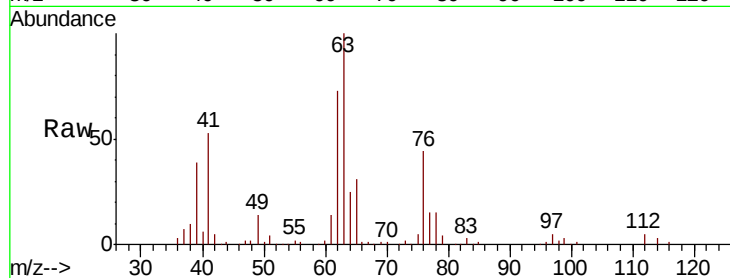
ClientSampled :

Tot Ion: 63 Resp: 101390

Ion Ratio Lower Upper

63 100

112 4.6 3.4 5.2



Abundance Ion 63.00 (62.70 to 63.70): VV018309.D (-1569) (-)

Ion 112.00 (111.70 to 112.70): VV018309.D (-1569) (-)

60000

50000

40000

30000

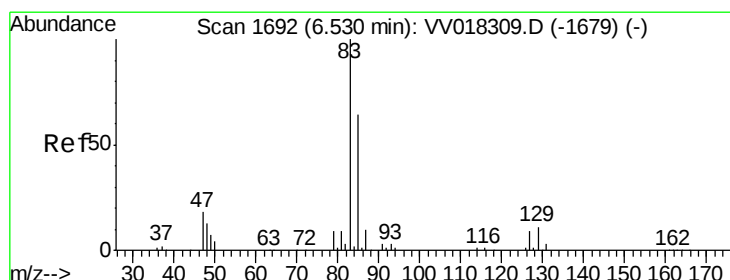
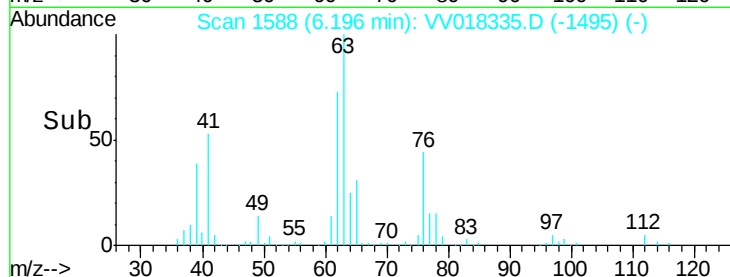
20000

10000

0

6.10 6.15 6.20 6.25 6.30

Time-->



#38

Bromodichloromethane

Concen: 48.532 ug/L

RT: 6.53 min Scan# 1693

Delta R.T. 0.00 min

Lab File: VV018335.D

Acq: 18 Sep 2020 20:00

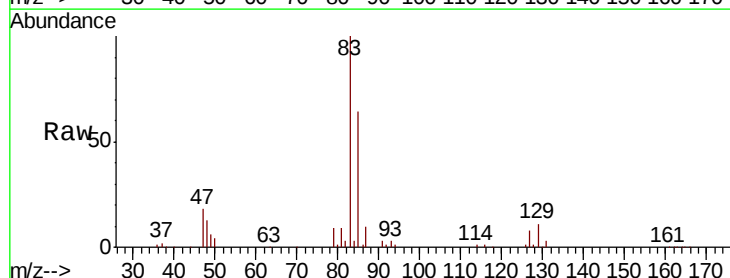
Tgt Ion: 83 Resp: 131391

Ion Ratio Lower Upper

83 100

85 63.7 44.7 82.9

127 8.4 6.7 10.1



Abundance Ion 83.00 (82.70 to 83.70): VV018309.D (-1679) (-)

Ion 85.00 (84.70 to 85.70): VV018309.D (-1679) (-)

Ion 127.00 (126.70 to 127.70): VV018309.D (-1679) (-)

80000

60000

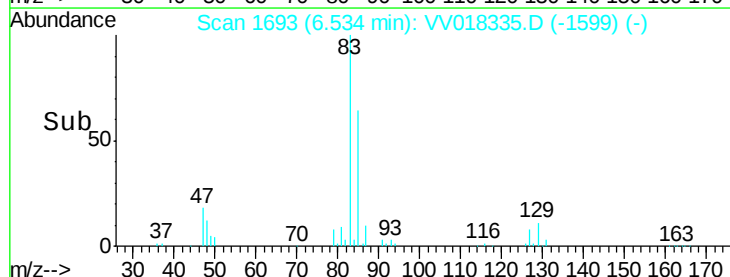
40000

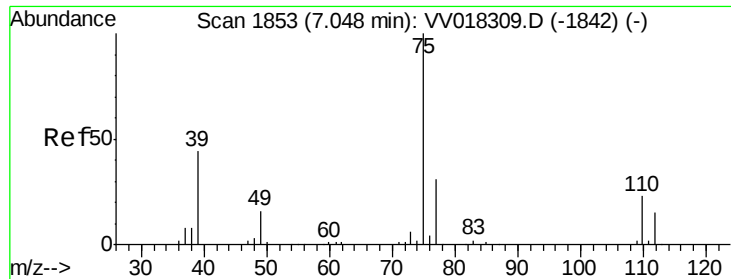
20000

0

6.50 6.53 6.56 6.59 6.62

Time-->

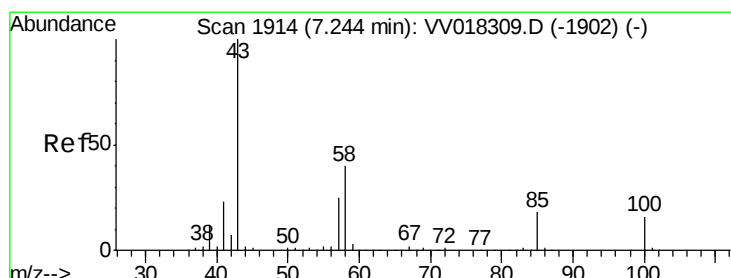
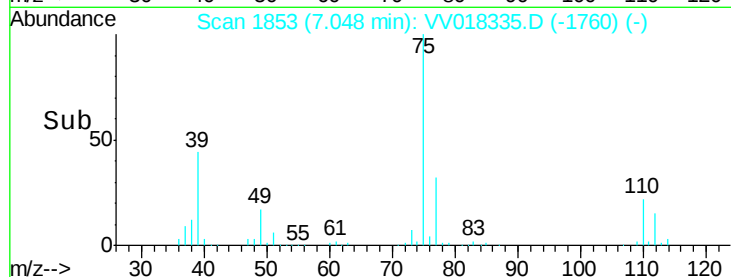
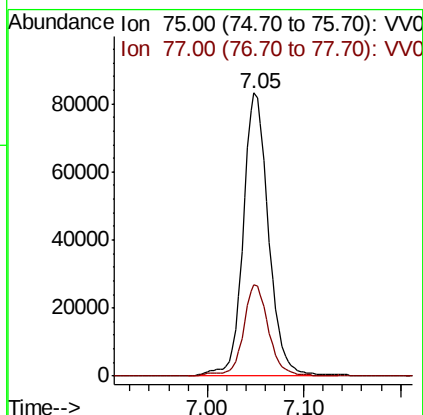
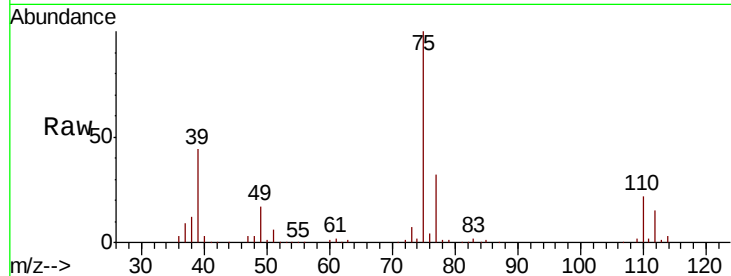




#39
 cis-1,3-Dichloropropene
 Concen: 47.464 ug/L
 RT: 7.05 min Scan# 1853
 Delta R.T. 0.00 min
 Lab File: VV018335.D
 Acq: 18 Sep 2020 20:00

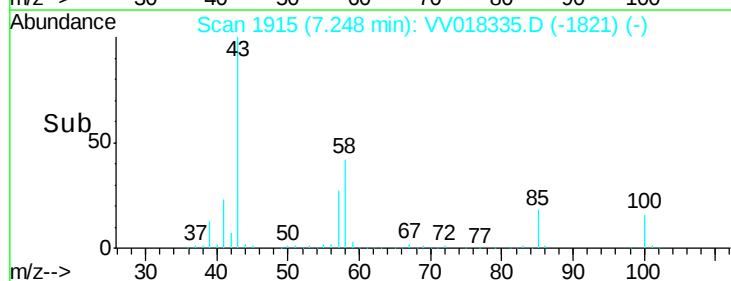
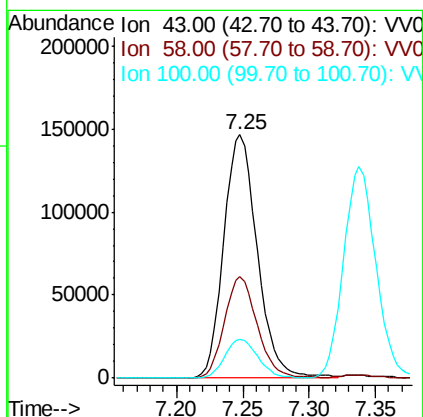
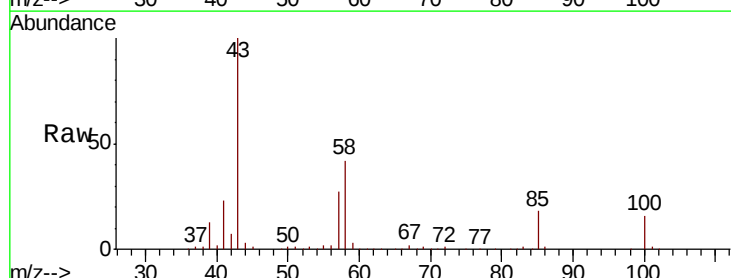
Instrument :
 MSVOA_V
 ClientSampleId :

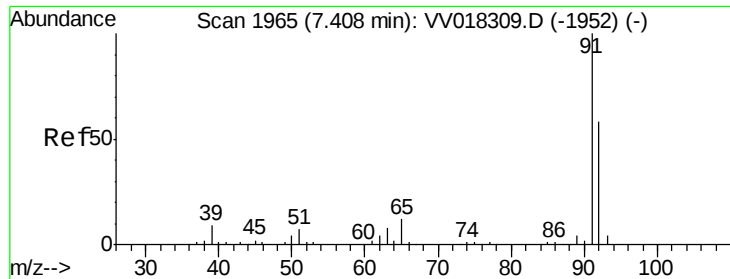
Tot Ion: 75 Resp: 152141
 Ion Ratio Lower Upper
 75 100
 77 32.2 22.3 41.3



#40
 4-Methyl-2-pentanone
 Concen: 102.101 ug/L
 RT: 7.25 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VV018335.D
 Acq: 18 Sep 2020 20:00

Tgt Ion: 43 Resp: 257691
 Ion Ratio Lower Upper
 43 100
 58 40.7 32.4 48.6
 100 15.9 12.7 19.1





#42

Toluene

Concen: 49.593 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VV018335.D

Acq: 18 Sep 2020 20:00

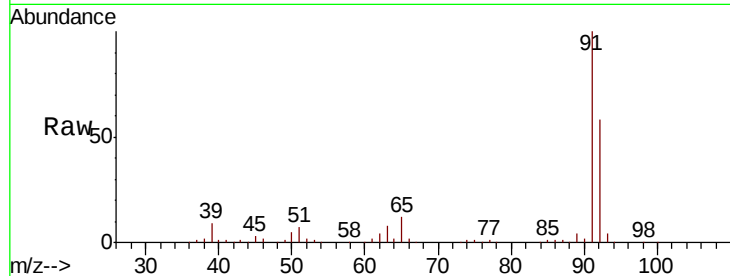
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 91 Resp: 412039

Ion Ratio Lower Upper

91 100

92 58.5 40.7 75.5



Abundance Ion 91.00 (90.70 to 91.70): VV018309.D (-1952) (-)

Ion 92.00 (91.70 to 92.70): VV018309.D (-1952) (-)

7.41

250000

200000

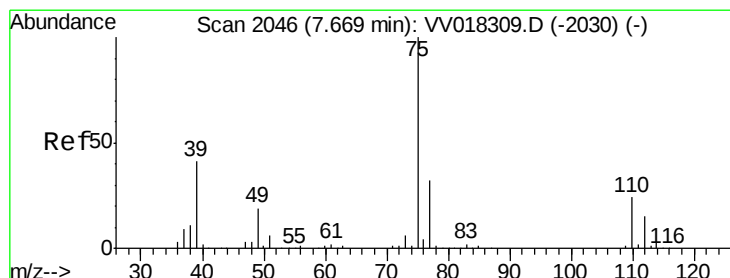
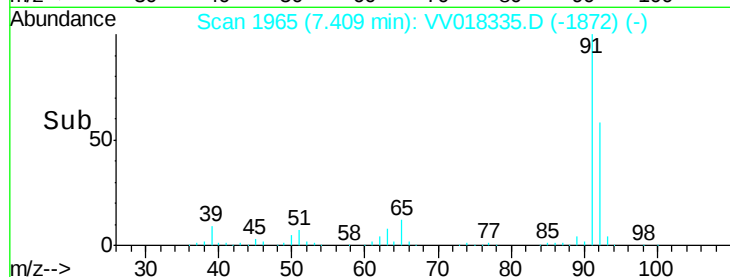
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 47.675 ug/L

RT: 7.67 min Scan# 2047

Delta R.T. 0.00 min

Lab File: VV018335.D

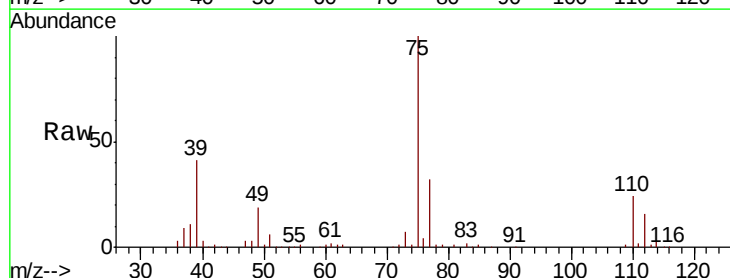
Acq: 18 Sep 2020 20:00

Tgt Ion: 75 Resp: 148793

Ion Ratio Lower Upper

75 100

77 31.5 22.3 41.5



Abundance Ion 75.00 (74.70 to 75.70): VV018309.D (-2030) (-)

Ion 77.00 (76.70 to 77.70): VV018309.D (-2030) (-)

7.67

100000

80000

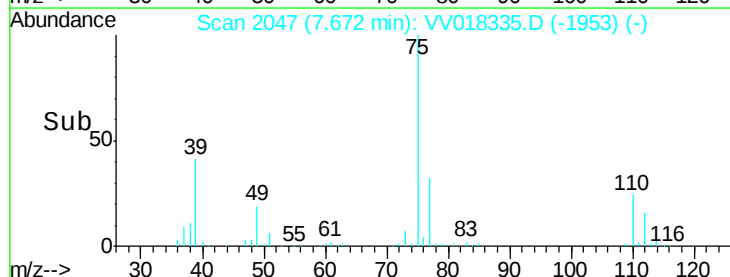
60000

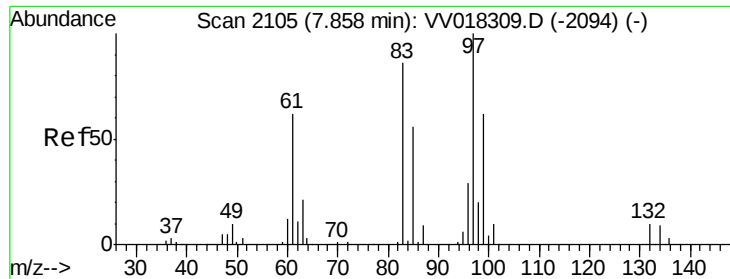
40000

20000

0

Time-->

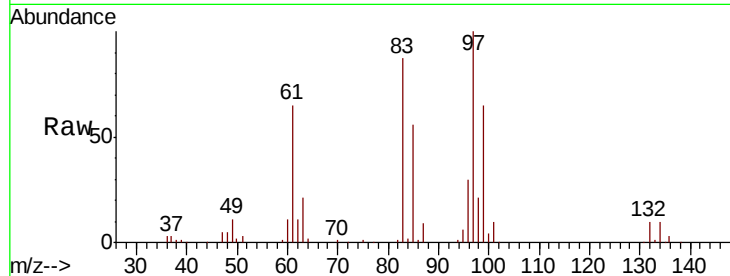




#45
 1,1,2-Trichloroethane
 Concen: 49.354 ug/L
 RT: 7.86 min Scan# 2105
 Delta R.T. 0.00 min
 Lab File: VV018335.D
 Acq: 18 Sep 2020 20:00

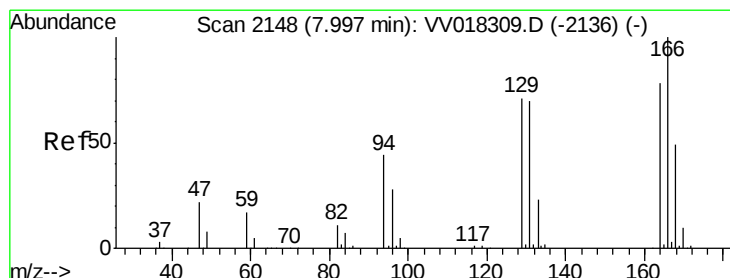
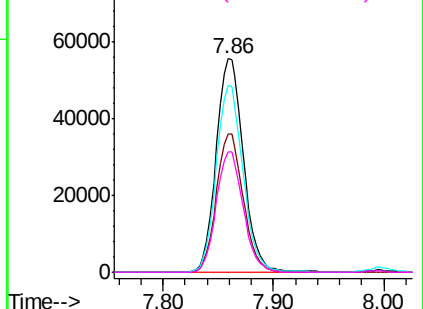
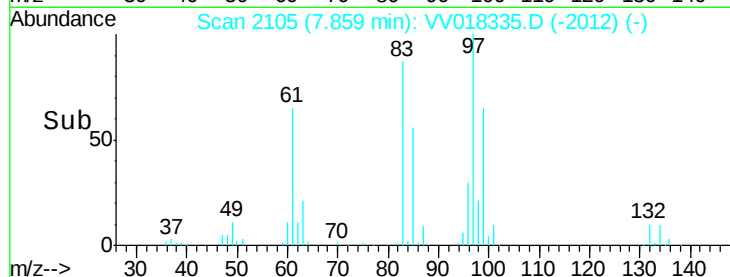
Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:	97	Resp:	95169
Ion	Ratio	Lower	Upper
97	100		
99	65.0	43.7	81.1
83	87.5	59.9	111.3
85	56.4	37.6	69.8



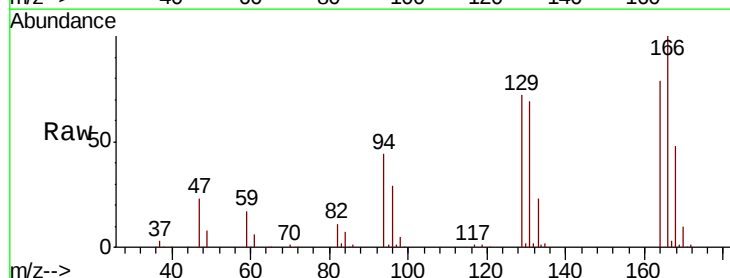
Abundance

Ion 97.00 (96.70 to 97.70): VV018335.D (-2012) (-)



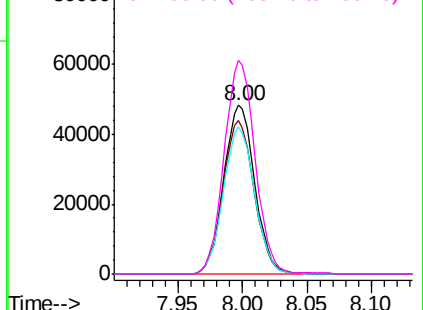
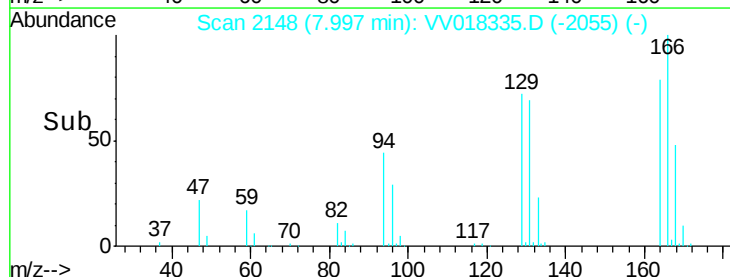
#46
 Tetrachloroethene
 Concen: 48.143 ug/L
 RT: 8.00 min Scan# 2148
 Delta R.T. 0.00 min
 Lab File: VV018335.D
 Acq: 18 Sep 2020 20:00

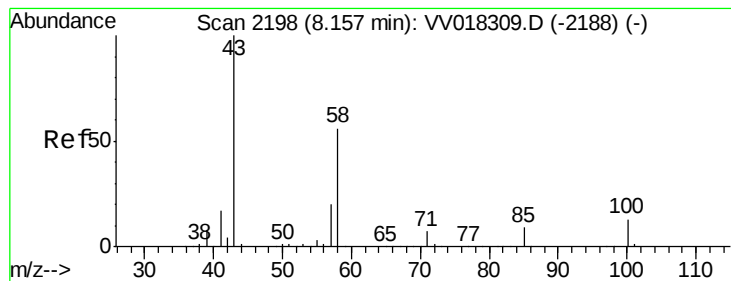
Tgt Ion:	164	Resp:	80731
Ion	Ratio	Lower	Upper
164	100		
129	91.4	64.5	119.7
131	87.1	61.8	114.8
166	126.8	90.6	168.2



Abundance

Ion 164.00 (163.70 to 164.70): VV018335.D (-2055) (-)





#48

2-Hexanone

Concen: 101.745 ug/L

RT: 8.16 min Scan# 2198

Delta R.T. 0.00 min

Lab File: VV018335.D

Acq: 18 Sep 2020 20:00

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 202449

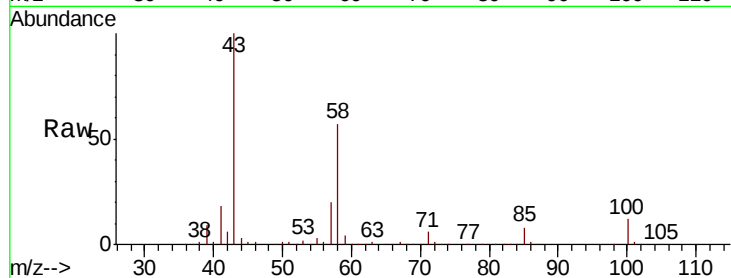
Ion Ratio Lower Upper

43 100

58 56.1 44.8 67.2

57 19.4 15.8 23.6

100 12.6 10.2 15.4

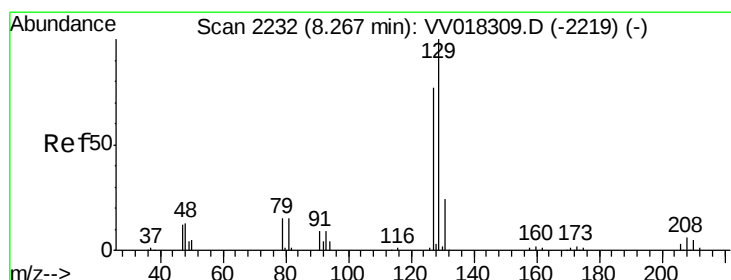
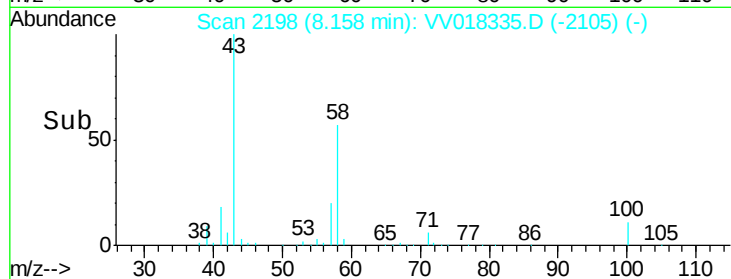
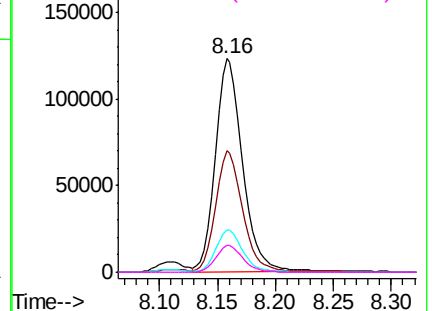


Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0

Ion 57.00 (56.70 to 57.70): VV0

Ion 100.00 (99.70 to 100.70): VV0



#49

Dibromochloromethane

Concen: 48.757 ug/L

RT: 8.27 min Scan# 2232

Delta R.T. 0.00 min

Lab File: VV018335.D

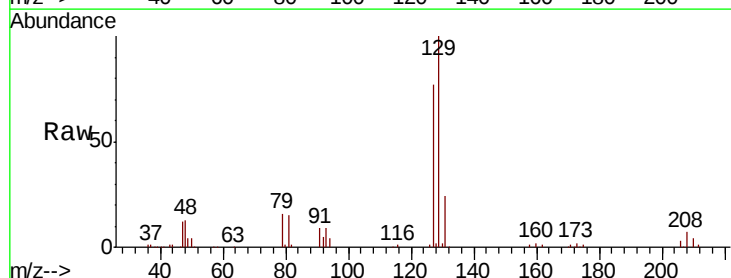
Acq: 18 Sep 2020 20:00

Tgt Ion: 129 Resp: 105532

Ion Ratio Lower Upper

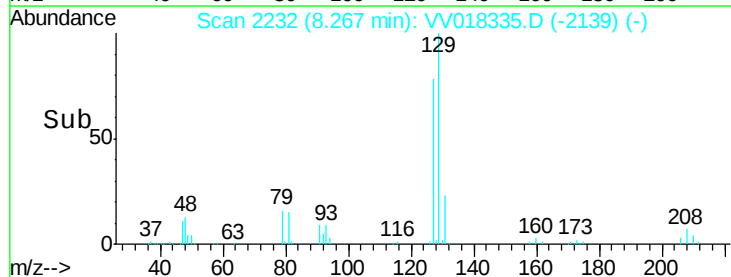
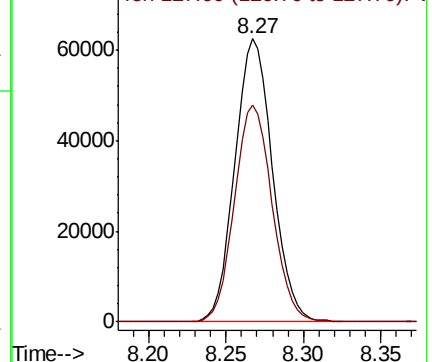
129 100

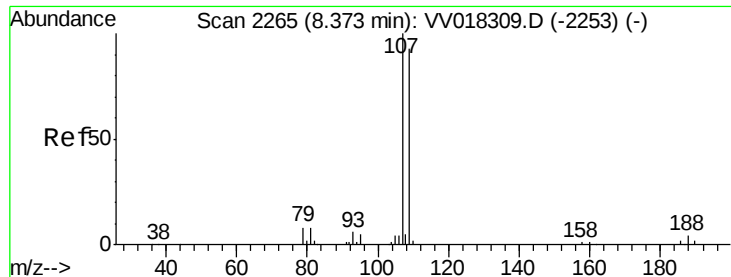
127 76.7 54.5 101.1



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

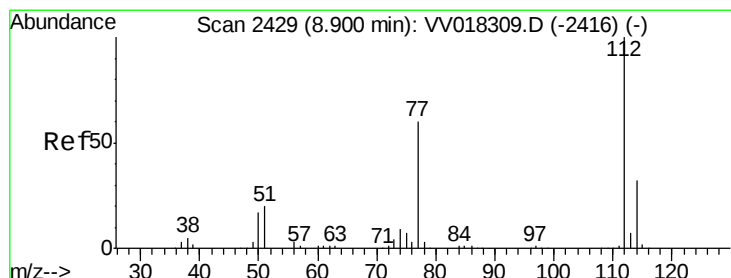
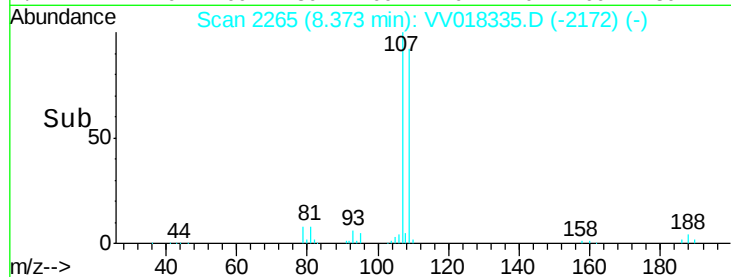
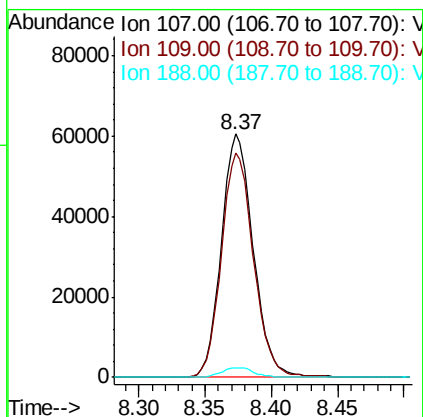
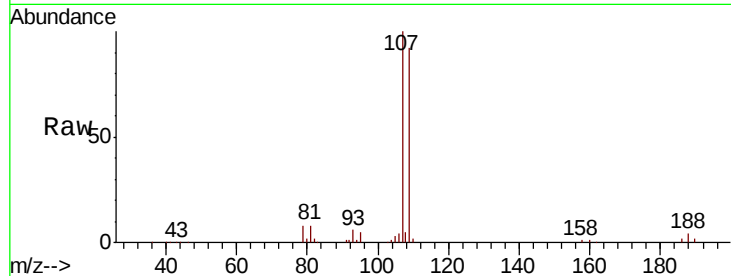




#50
 1,2-Dibromoethane
 Concen: 49.785 ug/L
 RT: 8.37 min Scan# 2265
 Delta R.T. 0.00 min
 Lab File: VV018335.D
 Acq: 18 Sep 2020 20:00

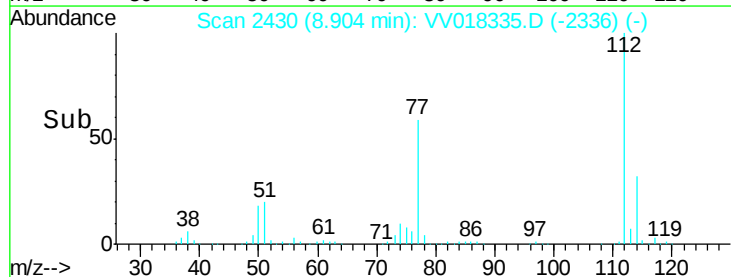
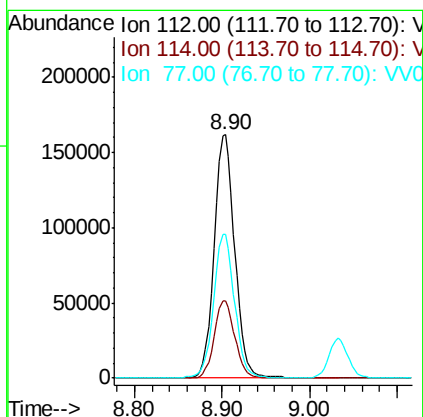
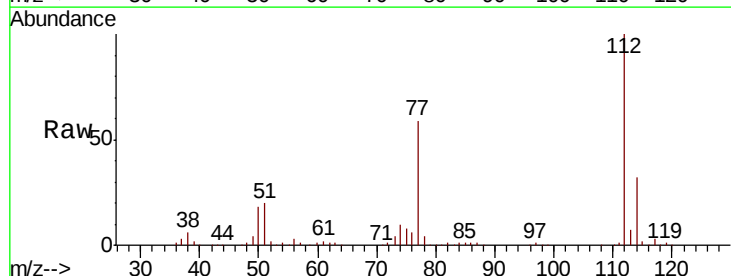
Instrument :
 MSVOA_V
 ClientSampleId :

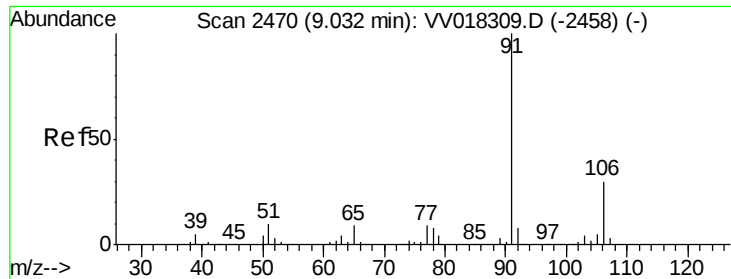
Tot Ion	Ratio	Lower	Upper
107	100		
109	92.0	66.1	122.8
188	3.9	3.2	4.8



#51
 Chlorobenzene
 Concen: 48.830 ug/L
 RT: 8.90 min Scan# 2430
 Delta R.T. 0.00 min
 Lab File: VV018335.D
 Acq: 18 Sep 2020 20:00

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.8	22.6	42.0
77	58.8	48.0	72.0

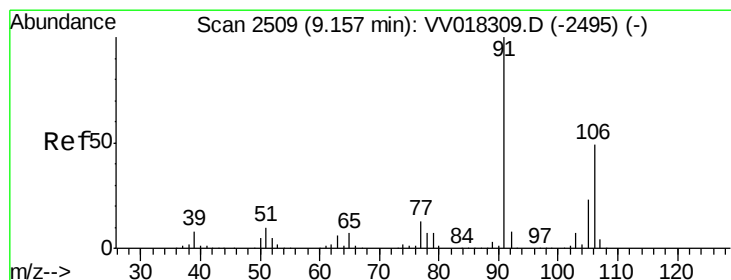
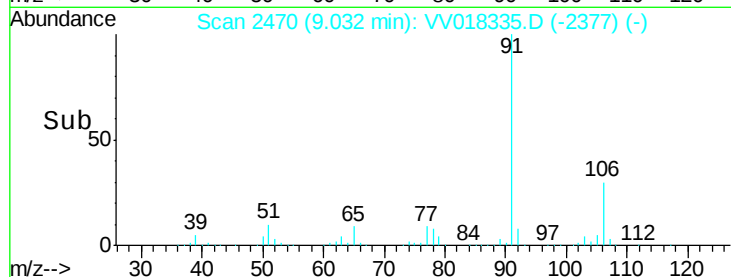
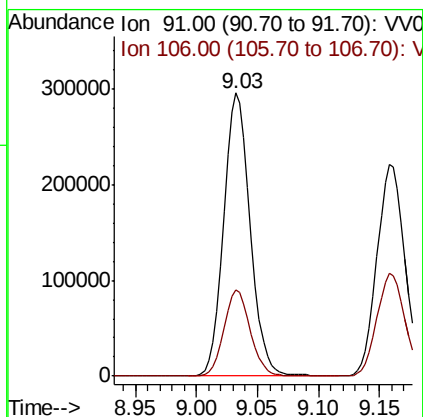
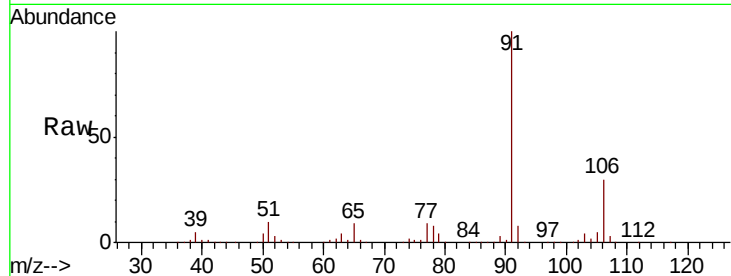




#52
Ethylbenzene
Concen: 49.763 ug/L
RT: 9.03 min Scan# 2470
Delta R.T. 0.00 min
Lab File: VV018335.D
Acq: 18 Sep 2020 20:00

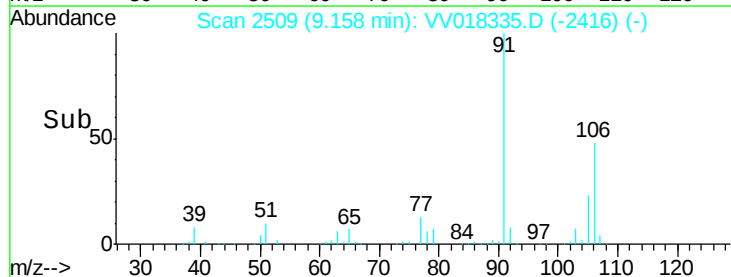
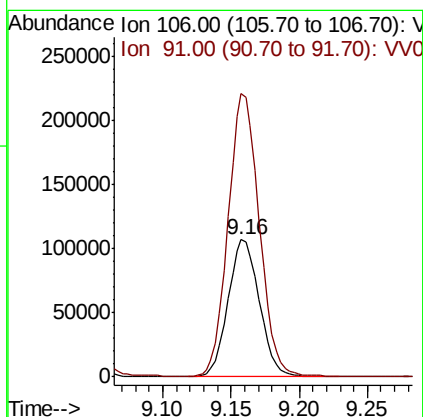
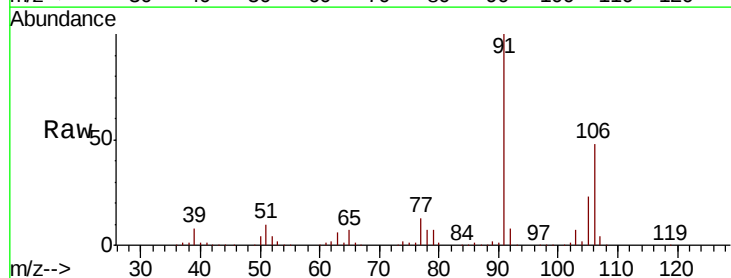
Instrument :
MSVOA_V
ClientSampleId :

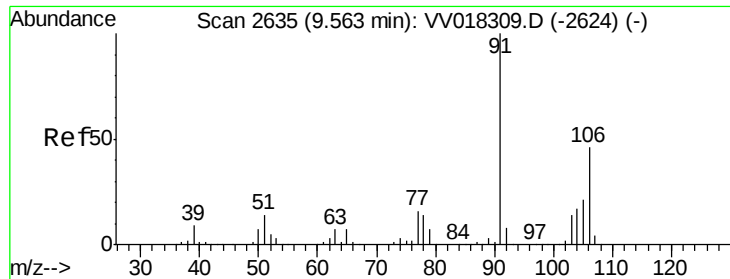
Tot Ion: 91 Resp: 451390
Ion Ratio Lower Upper
91 100
106 30.4 21.3 39.5



#53
m,p-Xylene
Concen: 50.353 ug/L
RT: 9.16 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VV018335.D
Acq: 18 Sep 2020 20:00

Tgt Ion: 106 Resp: 170480
Ion Ratio Lower Upper
106 100
91 206.5 146.7 272.5





#54

o-xylene

Concen: 50.139 ug/L

RT: 9.56 min Scan# 2635

Delta R.T. 0.00 min

Lab File: VV018335.D

Acq: 18 Sep 2020 20:00

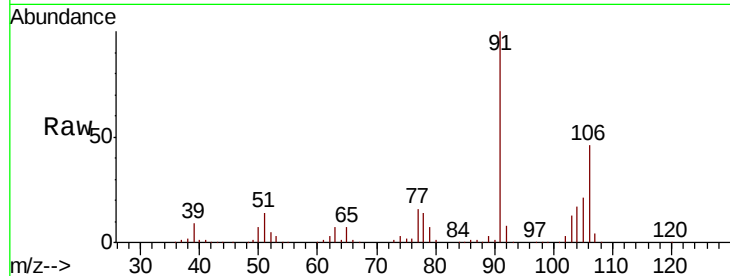
Instrument :
MSVOA_V
ClientSampled :

Tot Ion:106 Resp: 163541

Ion Ratio Lower Upper

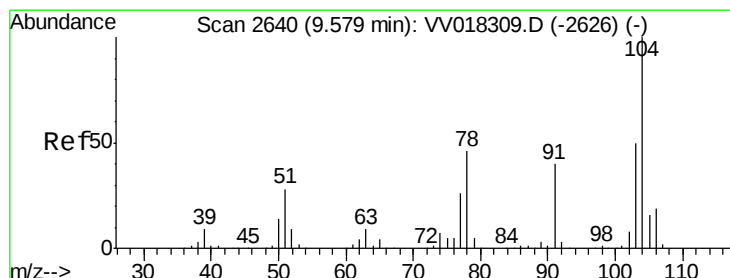
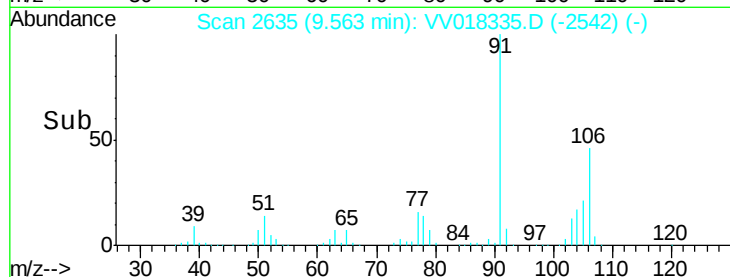
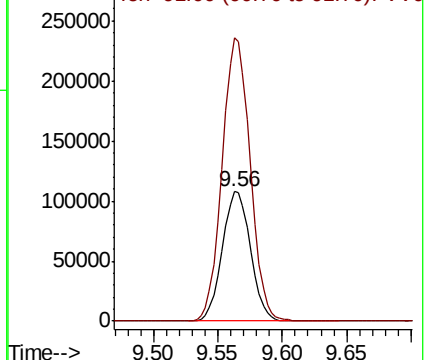
106 100

91 218.7 152.2 282.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 51.544 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. 0.00 min

Lab File: VV018335.D

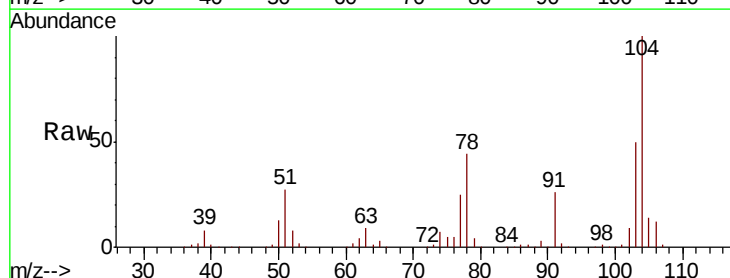
Acq: 18 Sep 2020 20:00

Tgt Ion:104 Resp: 292218

Ion Ratio Lower Upper

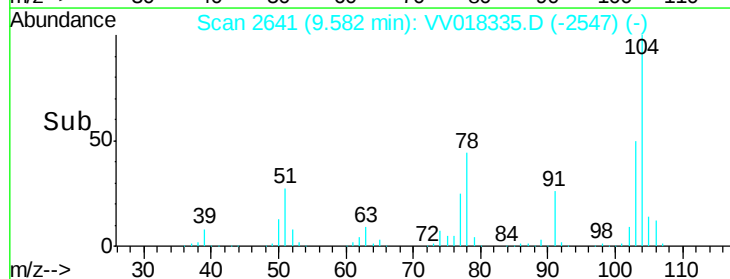
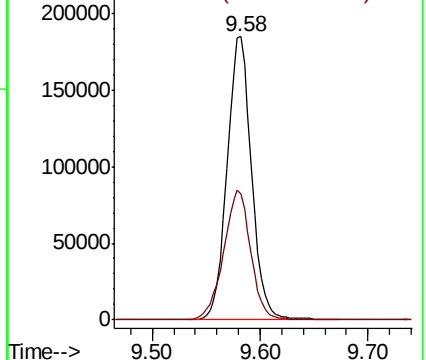
104 100

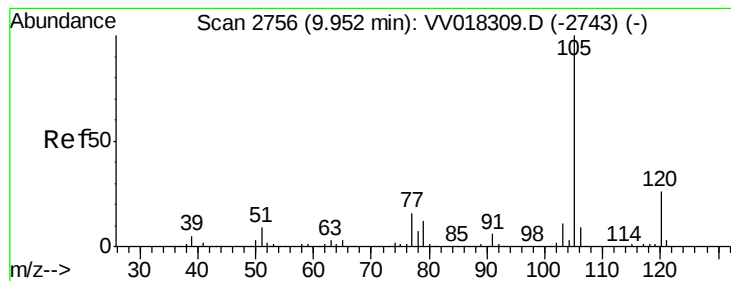
78 44.3 31.4 58.2



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 50.506 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV018335.D

Acq: 18 Sep 2020 20:00

Instrument :

MSVOA_V

ClientSampleId :

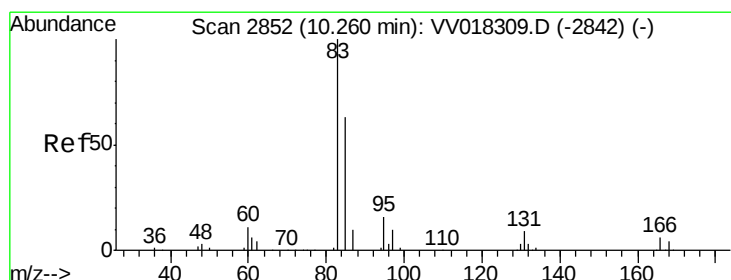
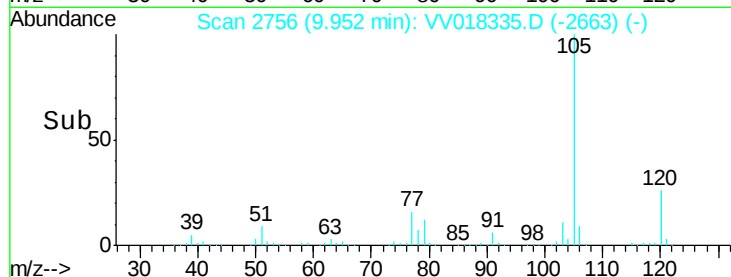
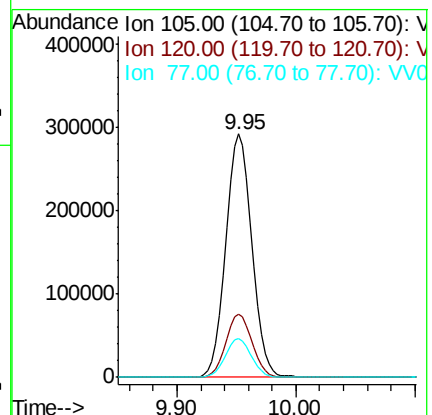
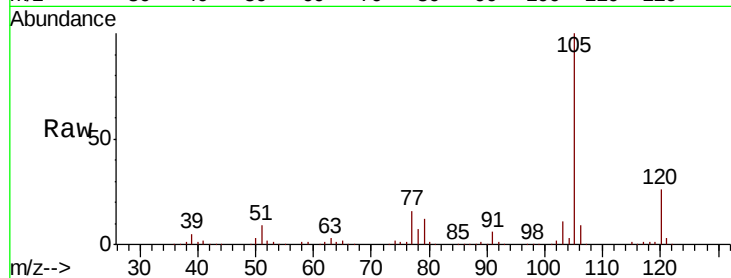
Tot Ion:105 Resp: 443978

Ion Ratio Lower Upper

105 100

120 26.1 20.9 31.3

77 15.8 12.5 18.7



#58

1,1,2,2-Tetrachloroethane

Concen: 52.374 ug/L

RT: 10.26 min Scan# 2852

Delta R.T. 0.00 min

Lab File: VV018335.D

Acq: 18 Sep 2020 20:00

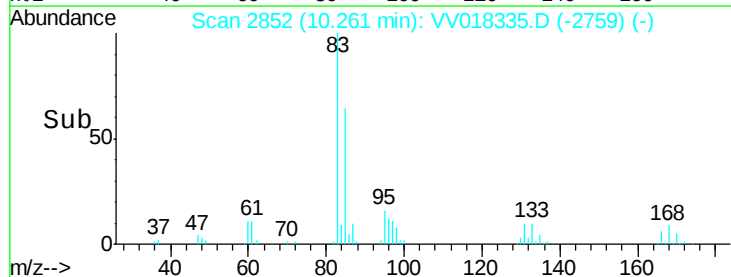
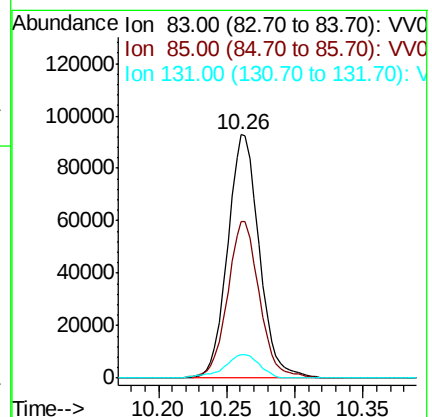
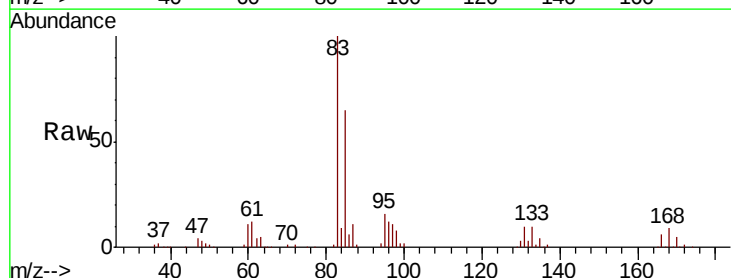
Tgt Ion: 83 Resp: 149390

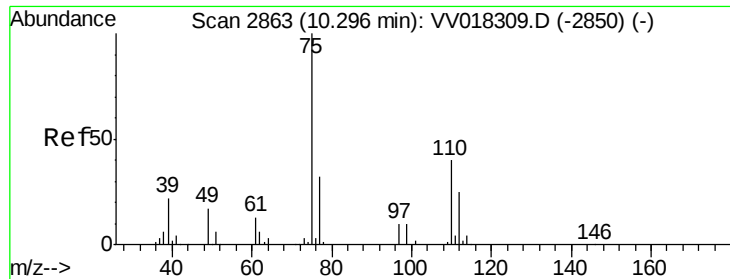
Ion Ratio Lower Upper

83 100

85 64.5 45.8 85.2

131 9.8 8.0 12.0





#59

1,2,3-Trichloropropane

Concen: 50.358 ug/L

RT: 10.30 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VV018335.D

Acq: 18 Sep 2020 20:00

Instrument :

MSVOA_V

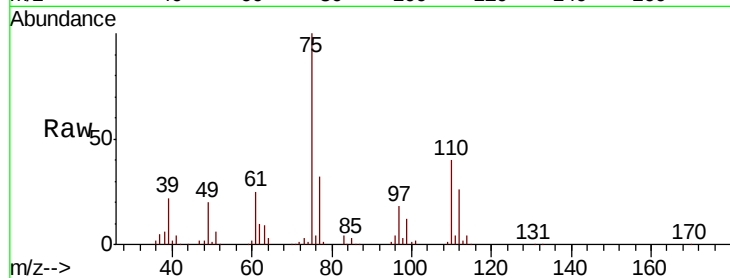
ClientSampleId :

Tot Ion: 75 Resp: 123223

Ion Ratio Lower Upper

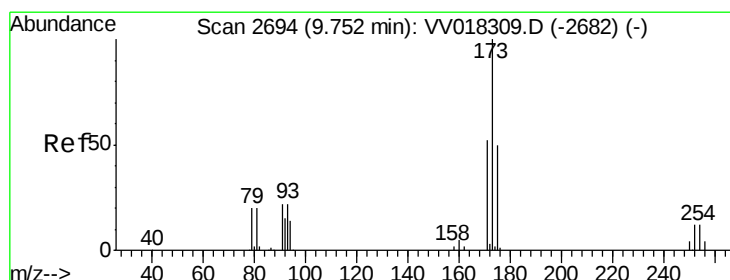
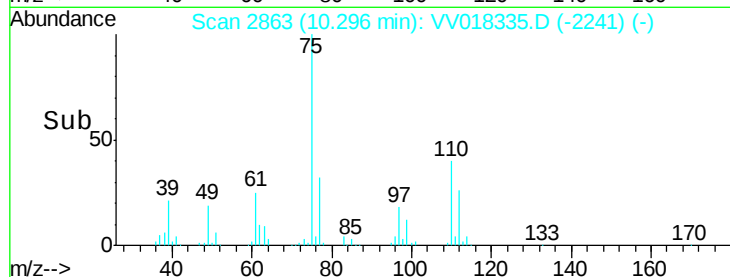
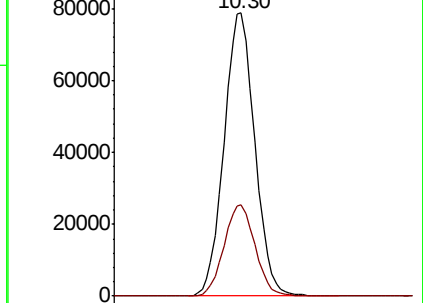
75 100

77 32.7 25.8 38.6



Abundance Ion 75.00 (74.70 to 75.70): VV018309.D (-2850) (-)

Ion 77.00 (76.70 to 77.70): VV018309.D (-2850) (-)



#61

Bromoform

Concen: 48.172 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VV018335.D

Acq: 18 Sep 2020 20:00

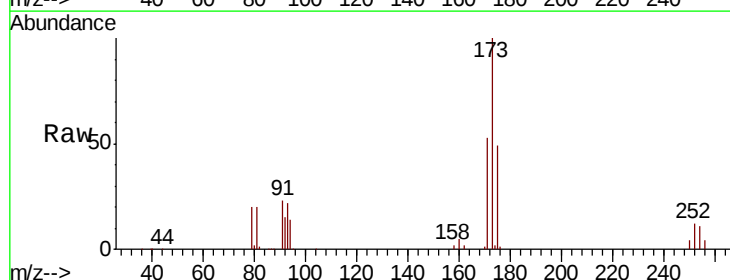
Tgt Ion: 173 Resp: 77986

Ion Ratio Lower Upper

173 100

175 49.5 39.0 58.6

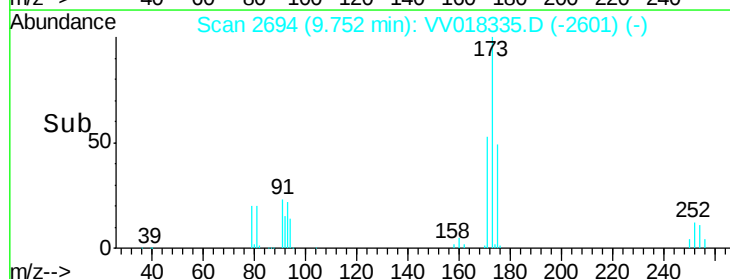
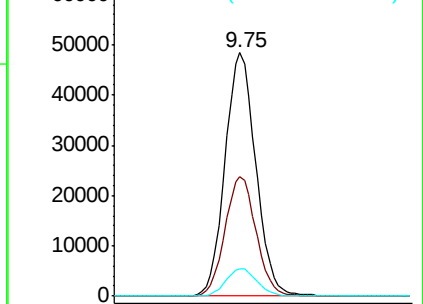
254 11.2 9.0 13.4

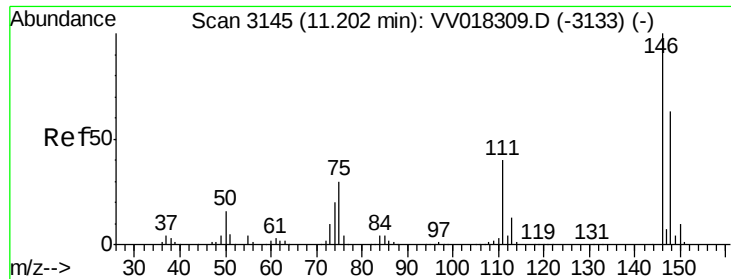


Abundance Ion 173.00 (172.70 to 173.70): VV018309.D (-2682) (-)

Ion 175.00 (174.70 to 175.70): VV018309.D (-2682) (-)

Ion 254.00 (253.70 to 254.70): VV018309.D (-2682) (-)

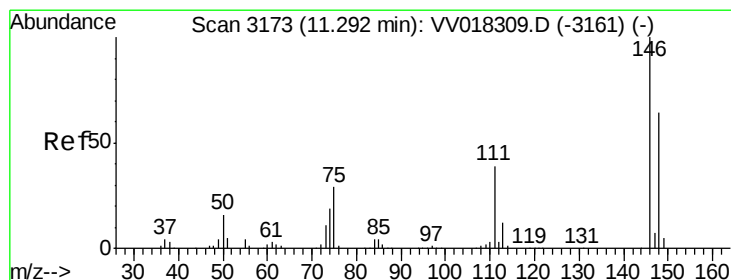
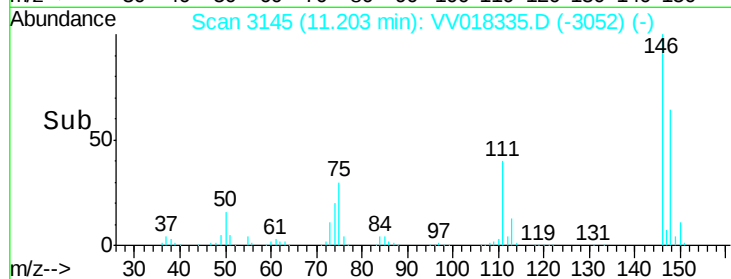
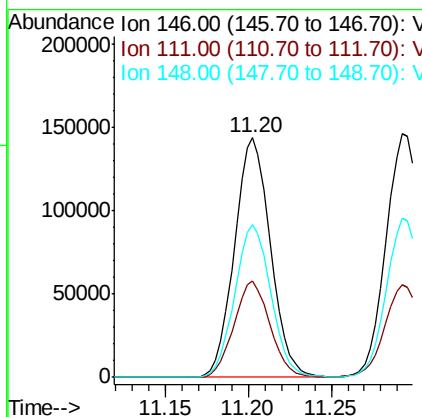
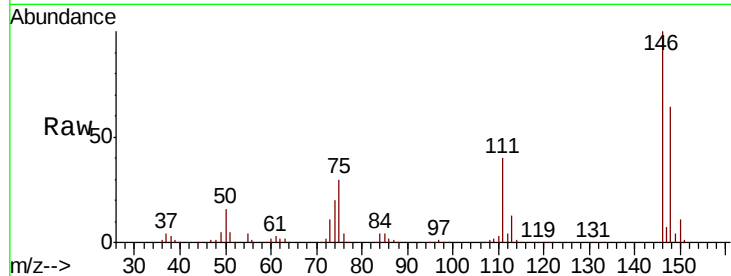




#62
 1,3-Dichlorobenzene
 Concen: 48.498 ug/L
 RT: 11.20 min Scan# 3145
 Delta R.T. 0.00 min
 Lab File: VV018335.D
 Acq: 18 Sep 2020 20:00

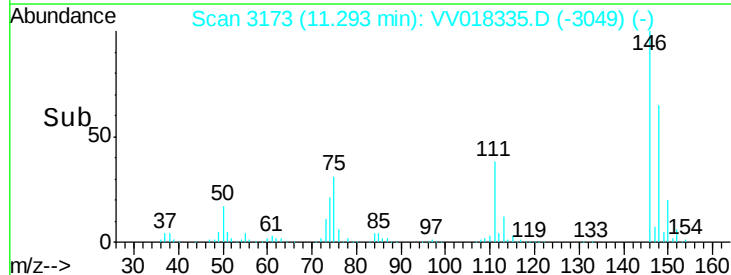
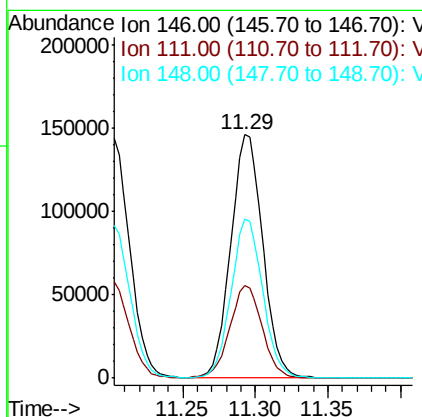
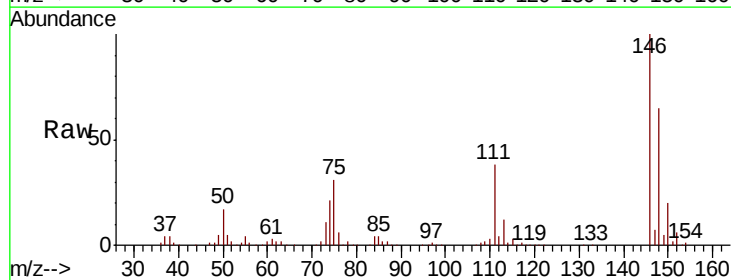
Instrument :
 MSVOA_V
 ClientSampleId :

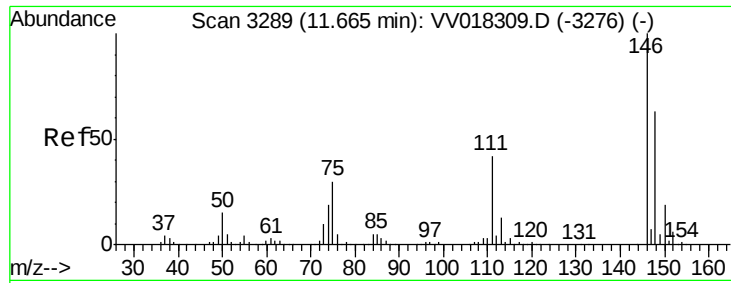
Tot Ion:146 Resp: 217322
 Ion Ratio Lower Upper
 146 100
 111 40.1 27.6 51.2
 148 63.7 45.4 84.2



#63
 1,4-Dichlorobenzene
 Concen: 48.597 ug/L
 RT: 11.29 min Scan# 3173
 Delta R.T. 0.00 min
 Lab File: VV018335.D
 Acq: 18 Sep 2020 20:00

Tgt Ion:146 Resp: 223832
 Ion Ratio Lower Upper
 146 100
 111 38.2 27.1 50.3
 148 65.2 45.4 84.2





#65

1,2-Dichlorobenzene

Concen: 48.667 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. 0.00 min

Lab File: VV018335.D

Acq: 18 Sep 2020 20:00

Instrument :

MSVOA_V

ClientSampleId :

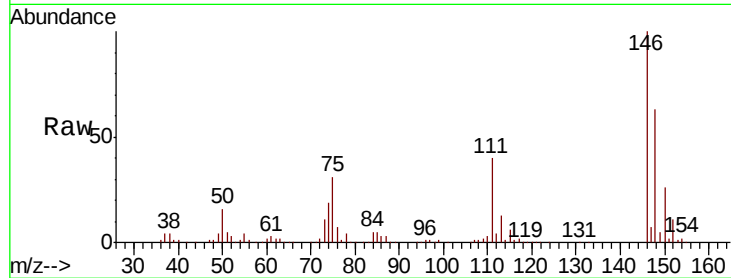
Tot Ion:146 Resp: 220429

Ion Ratio Lower Upper

146 100

111 39.9 32.8 49.2

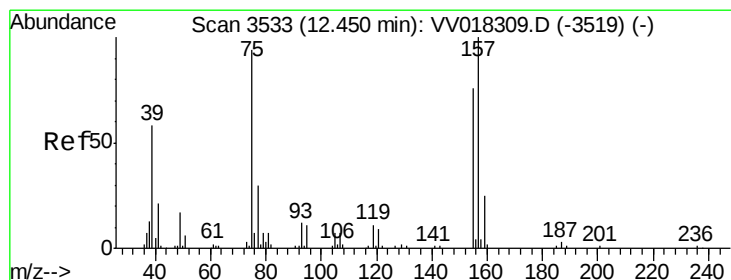
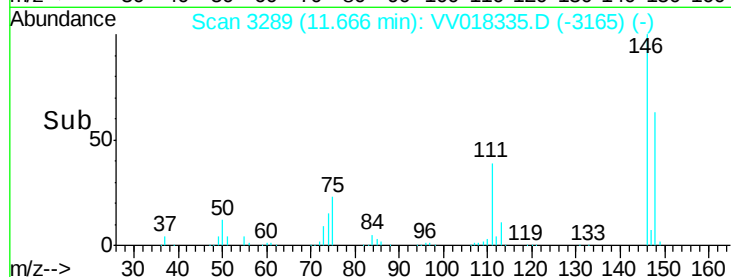
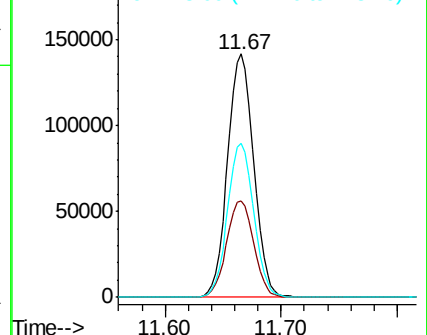
148 63.4 50.7 76.1



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 50.528 ug/L

RT: 12.45 min Scan# 3533

Delta R.T. 0.00 min

Lab File: VV018335.D

Acq: 18 Sep 2020 20:00

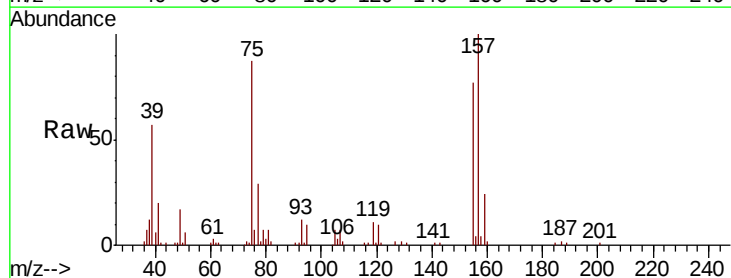
Tgt Ion: 75 Resp: 32295

Ion Ratio Lower Upper

75 100

155 88.8 69.7 104.5

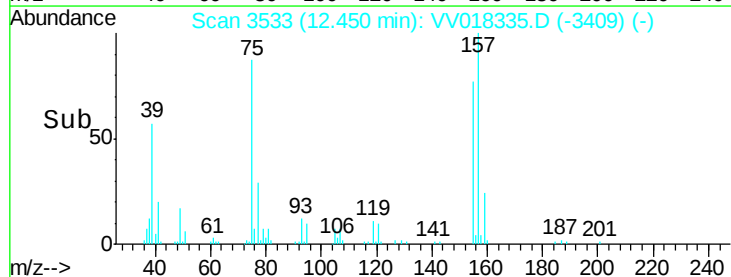
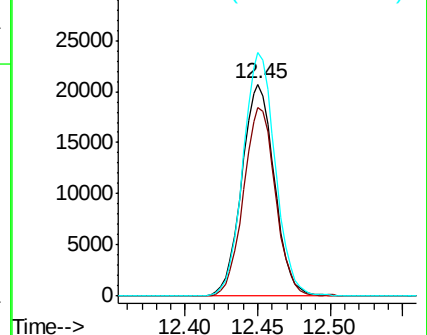
157 114.7 88.2 132.4

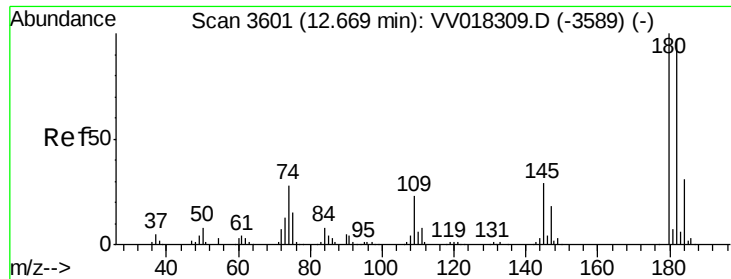


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

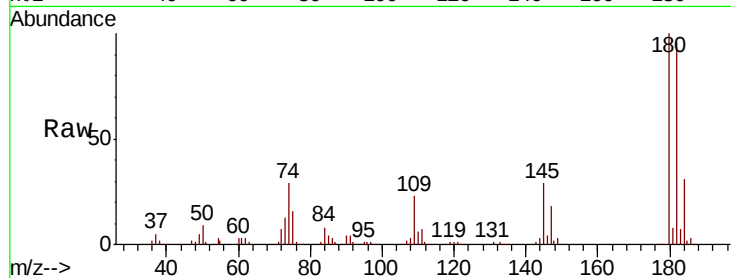




#67
 1,3,5-Trichlorobenzene
 Concen: 47.099 ug/L
 RT: 12.67 min Scan# 3600
 Delta R.T. -0.00 min
 Lab File: VV018335.D
 Acq: 18 Sep 2020 20:00

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.2	76.8	115.2
184	30.6	24.6	36.8
145	28.8	22.7	34.1

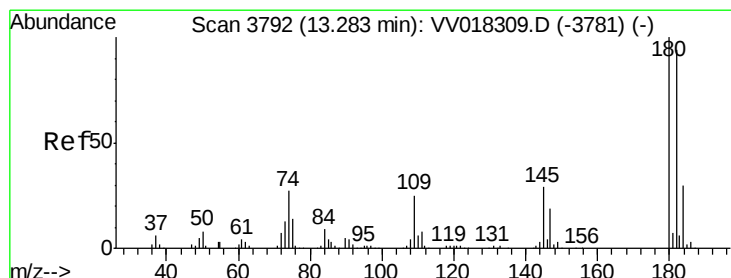
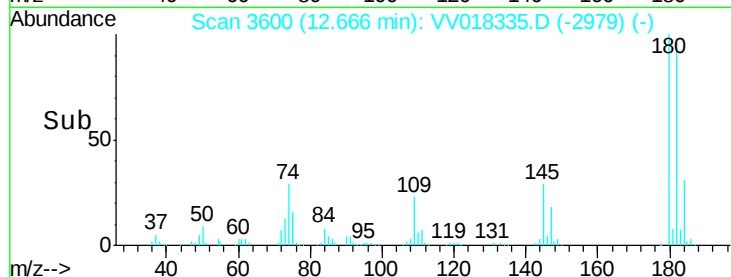
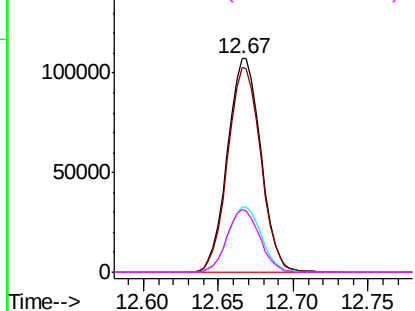


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

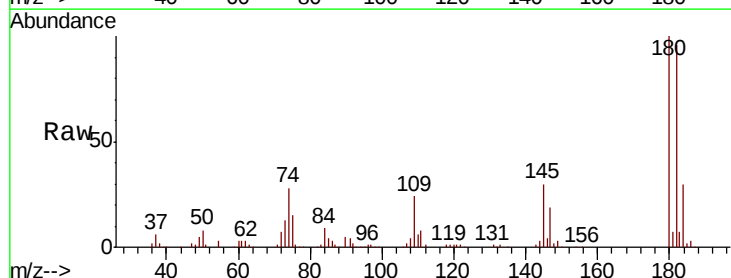
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 48.399 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. 0.00 min
 Lab File: VV018335.D
 Acq: 18 Sep 2020 20:00

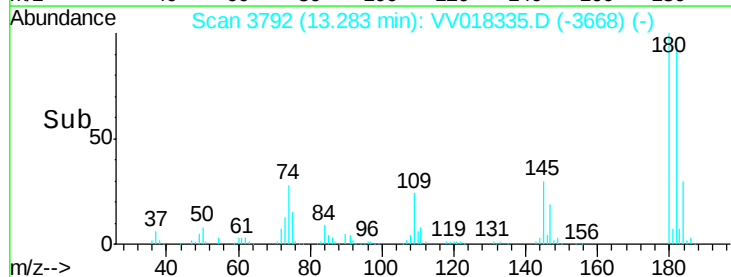
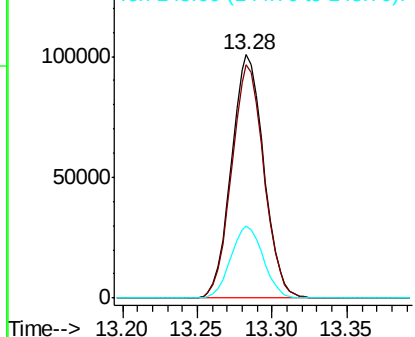
Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.4	77.4	116.2
145	29.4	23.2	34.8

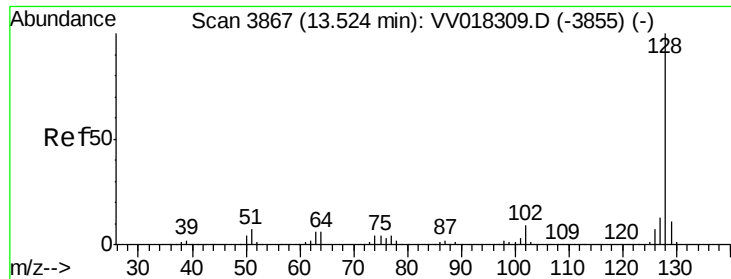


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 56.460 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. 0.00 min

Lab File: VV018335.D

Acq: 18 Sep 2020 20:00

Instrument :

MSVOA_V

ClientSampleId :

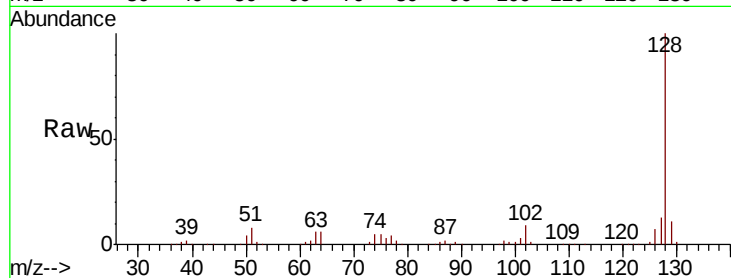
Tot Ion:128 Resp: 449411

Ion Ratio Lower Upper

128 100

127 13.3 10.6 15.8

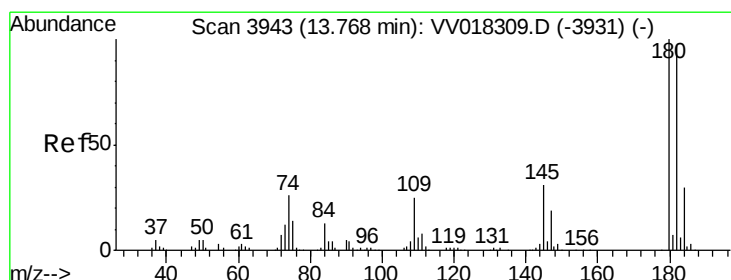
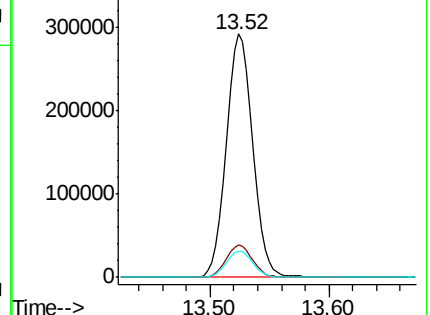
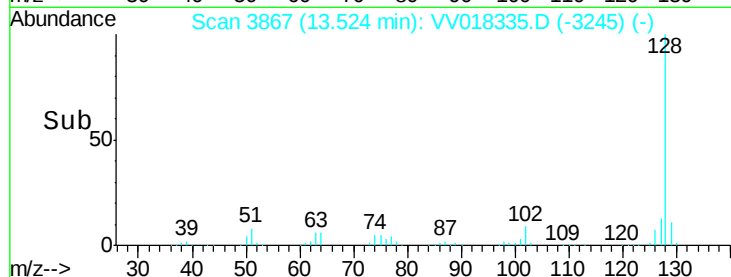
129 10.8 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 51.749 ug/L

RT: 13.77 min Scan# 3942

Delta R.T. -0.00 min

Lab File: VV018335.D

Acq: 18 Sep 2020 20:00

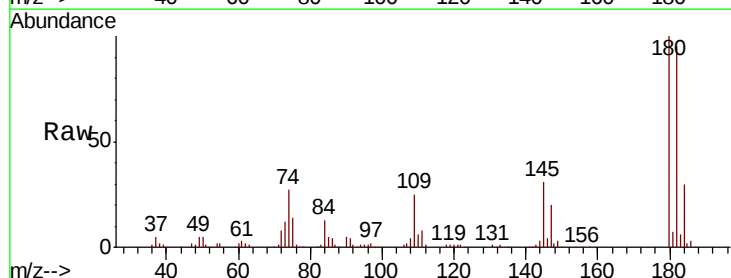
Tgt Ion:180 Resp: 160338

Ion Ratio Lower Upper

180 100

182 95.4 76.5 114.7

145 31.0 24.9 37.3



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

