

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV082420\
 Data File : VV018087.D
 Acq On : 24 Aug 2020 15:55
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Aug 25 01:13:00 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM081120WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Aug 25 01:10:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	273550	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	267709	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	146914	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	96878	46.42	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	92.84%
7) Chloroethane-d5	1.58	69	82171	48.12	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	96.24%
11) 1,1-Dichloroethene-d2	2.12	63	190266	47.66	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.32%
21) 2-Butanone-d5	3.91	46	131495	96.19	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	96.19%
24) Chloroform-d	4.38	84	183616	48.33	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.66%
26) 1,2-Dichloroethane-d4	5.06	65	120323	48.76	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.52%
32) Benzene-d6	5.08	84	363002	49.20	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.40%
36) 1,2-Dichloropropane-d6	6.09	67	115429	47.85	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.70%
41) Toluene-d8	7.34	98	335742	50.60	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.20%
43) trans-1,3-Dichloropropene-	7.64	79	57871	52.90	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	105.80%
47) 2-Hexanone-d5	8.11	63	77438	100.04	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	100.04%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	153132	48.75	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.50%
64) 1,2-Dichlorobenzene-d4	11.65	152	137975	47.72	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.44%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	89222	42.247	ug/L 99
3) Chloromethane	1.25	50	104851	42.739	ug/L 99
5) Vinyl chloride	1.32	62	109683	45.125	ug/L 99
6) Bromomethane	1.53	94	63585	43.769	ug/L 97
8) Chloroethane	1.59	64	70973	45.748	ug/L 97
9) Trichlorofluoromethane	1.76	101	157557	45.378	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	91578	47.238	ug/L 98
12) 1,1-Dichloroethene	2.13	96	87415	47.639	ug/L 98
13) Acetone	2.19	43	135061	95.655	ug/L 100
14) Carbon disulfide	2.31	76	231279	45.794	ug/L 100
15) Methyl Acetate	2.45	43	107868	47.340	ug/L 100
16) Methylene chloride	2.52	84	102762	43.958	ug/L 97
17) trans-1,2-Dichloroethene	2.78	96	89719	47.565	ug/L 98
18) Methyl tert-butyl Ether	2.78	73	302743	48.531	ug/L 99
19) 1,1-Dichloroethane	3.21	63	182984	48.246	ug/L 99
20) cis-1,2-Dichloroethene	3.94	96	102945	49.665	ug/L 96
22) 2-Butanone	3.99	43	160728	101.471	ug/L 99

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 QLast Update : Tue Aug 25 01:10:53 2020
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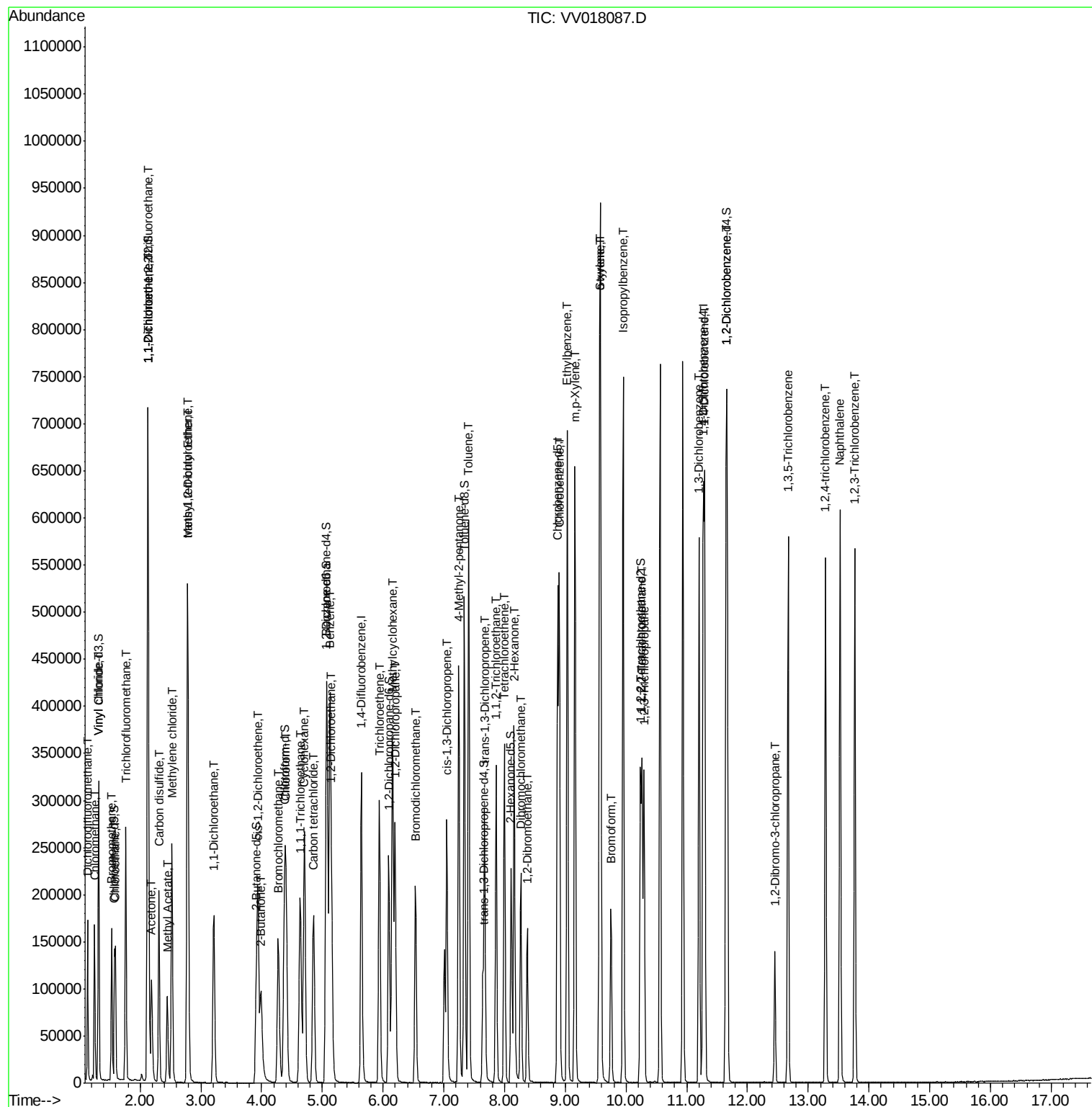
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.28	128	54040	49.906	ug/L	96
25) Chloroform	4.40	83	189482	48.981	ug/L	100
27) 1,2-Dichloroethane	5.15	62	147943	48.047	ug/L	98
29) Cyclohexane	4.70	56	147375	45.612	ug/L	100
30) 1,1,1-Trichloroethane	4.63	97	159408	48.591	ug/L	98
31) Carbon tetrachloride	4.86	117	135820	49.732	ug/L	100
33) Benzene	5.13	78	396431	47.864	ug/L	100
34) Trichloroethene	5.94	95	103797	47.411	ug/L	99
35) Methylcyclohexane	6.15	83	149800	46.015	ug/L	99
37) 1,2-Dichloropropane	6.20	63	109440	48.452	ug/L	100
38) Bromodichloromethane	6.53	83	138622	49.409	ug/L	98
39) cis-1,3-Dichloropropene	7.05	75	165746	51.763	ug/L	99
40) 4-Methyl-2-pentanone	7.24	43	288812	97.812	ug/L	100
42) Toluene	7.41	91	424612	49.130	ug/L	100
44) trans-1,3-Dichloropropene	7.67	75	160968	52.983	ug/L	99
45) 1,1,2-Trichloroethane	7.86	97	102394	48.951	ug/L	99
46) Tetrachloroethene	8.00	164	80402	50.075	ug/L	97
48) 2-Hexanone	8.16	43	233128	97.910	ug/L	100
49) Dibromochloromethane	8.27	129	111730	54.723	ug/L	99
50) 1,2-Dibromoethane	8.37	107	106201	49.072	ug/L	97
51) Chlorobenzene	8.90	112	272897	49.096	ug/L	99
52) Ethylbenzene	9.03	91	468263	49.691	ug/L	100
53) m,p-Xylene	9.16	106	175135	50.530	ug/L	97
54) o-xylene	9.57	106	169800	49.575	ug/L	98
55) Styrene	9.58	104	307260	52.384	ug/L	99
56) Isopropylbenzene	9.95	105	463654	51.313	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.26	83	158200	48.568	ug/L	98
59) 1,2,3-Trichloropropane	10.30	75	133909	48.004	ug/L	100
61) Bromoform	9.75	173	81249	58.448	ug/L	99
62) 1,3-Dichlorobenzene	11.20	146	228780	48.971	ug/L	99
63) 1,4-Dichlorobenzene	11.29	146	233448	48.643	ug/L	99
65) 1,2-Dichlorobenzene	11.67	146	229700	47.769	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.45	75	34387	48.536	ug/L	99
67) 1,3,5-Trichlorobenzene	12.67	180	179658	50.623	ug/L	99
68) 1,2,4-trichlorobenzene	13.28	180	163970	52.552	ug/L	99
69) Naphthalene	13.52	128	451864	52.542	ug/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	169718	53.487	ug/L	100

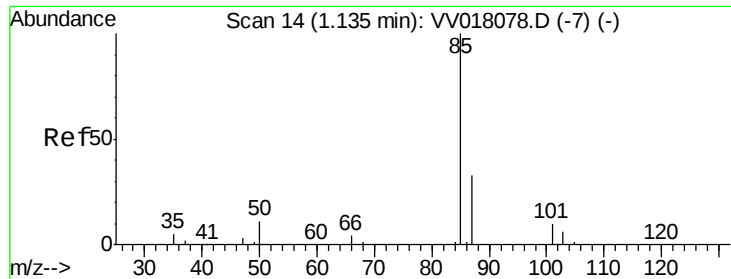
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 42.247 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

Lab File: VV018087.D

Acq: 24 Aug 2020 15:55

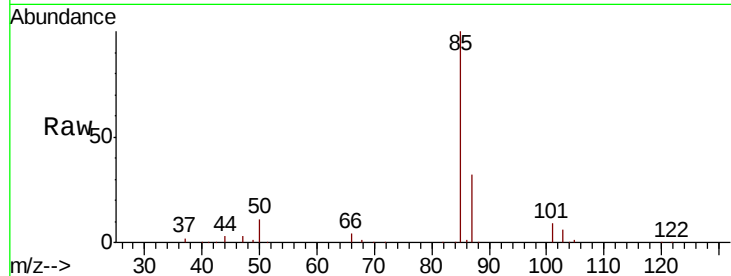
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 85 Resp: 89222

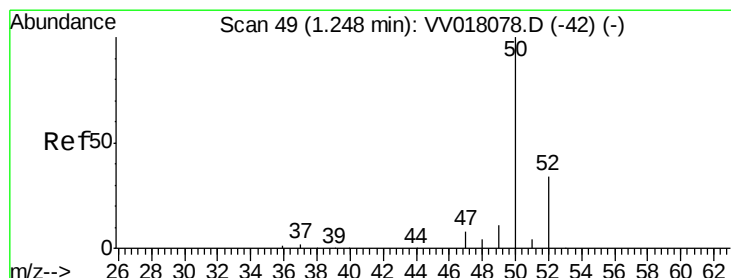
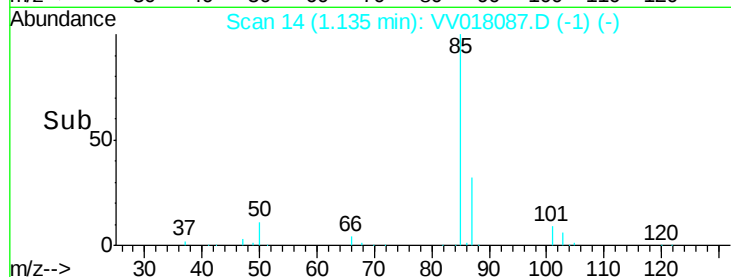
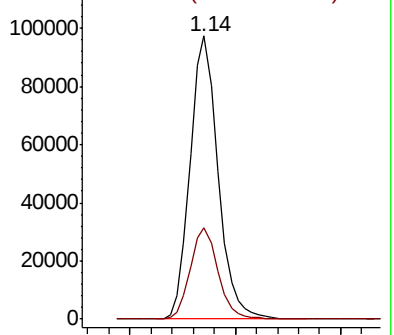
Ion Ratio Lower Upper

85 100

87 32.1 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VV018087.D (-7) (-)



#3

Chloromethane

Concen: 42.739 ug/L

RT: 1.25 min Scan# 49

Delta R.T. 0.00 min

Lab File: VV018087.D

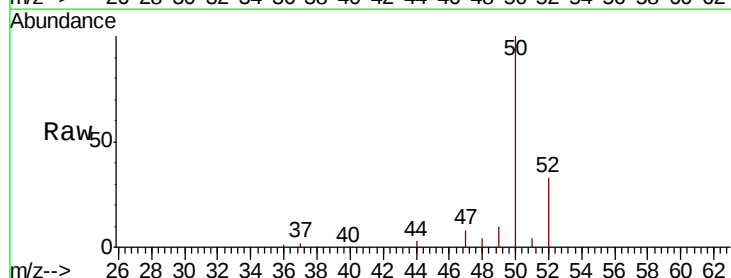
Acq: 24 Aug 2020 15:55

Tgt Ion: 50 Resp: 104851

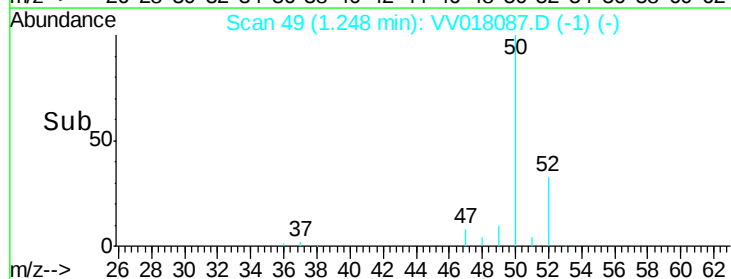
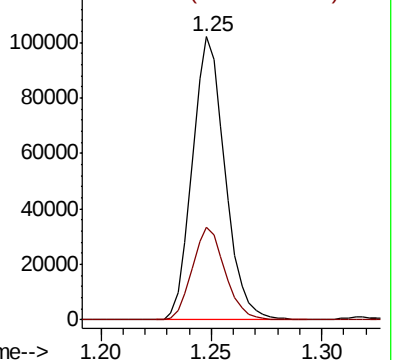
Ion Ratio Lower Upper

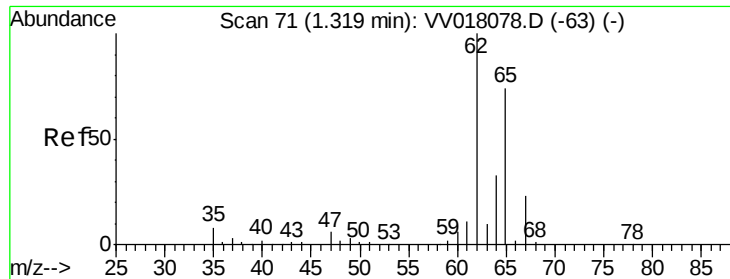
50 100

52 32.6 23.2 43.2



Abundance Ion 50.00 (49.70 to 50.70): VV018087.D (-42) (-)





#5

Vinyl chloride

Concen: 45.125 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV018087.D

Acq: 24 Aug 2020 15:55

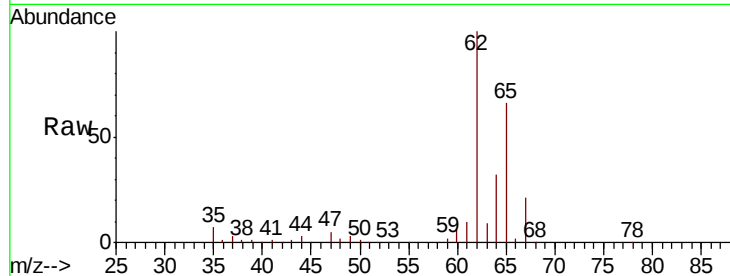
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 62 Resp: 109683

Ion Ratio Lower Upper

62 100

64 32.4 22.4 41.6



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0

120000

100000

80000

60000

40000

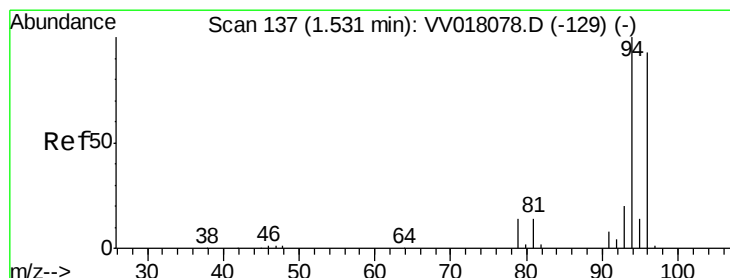
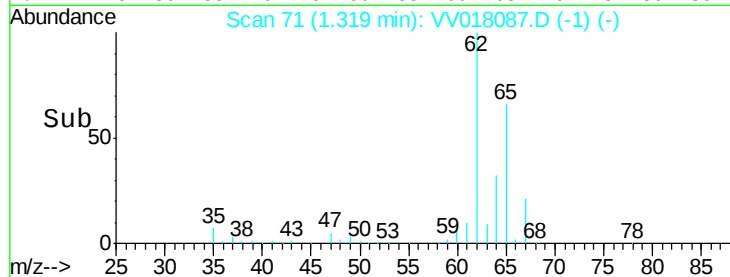
20000

0

1.32

1.25 1.30 1.35 1.40

Time-->



#6

Bromomethane

Concen: 43.769 ug/L

RT: 1.53 min Scan# 137

Delta R.T. 0.00 min

Lab File: VV018087.D

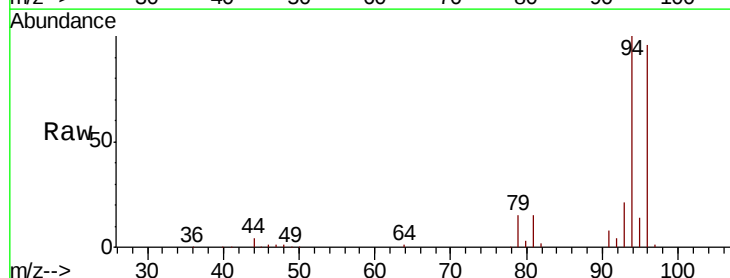
Acq: 24 Aug 2020 15:55

Tgt Ion: 94 Resp: 63585

Ion Ratio Lower Upper

94 100

96 96.1 65.5 121.7



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

60000

40000

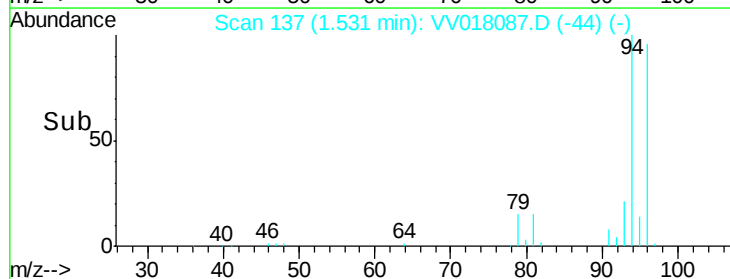
20000

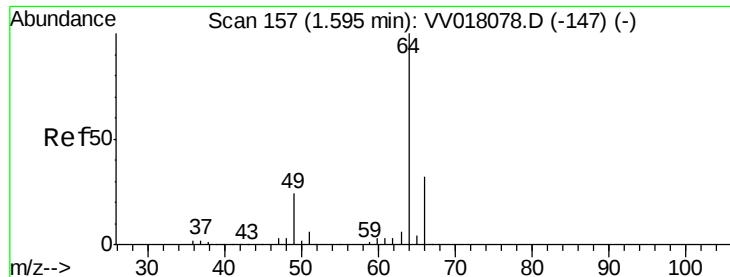
0

1.53

1.50 1.55 1.60

Time-->





#8

Chloroethane

Concen: 45.748 ug/L

RT: 1.59 min Scan# 156

Delta R.T. -0.00 min

Lab File: VV018087.D

Acq: 24 Aug 2020 15:55

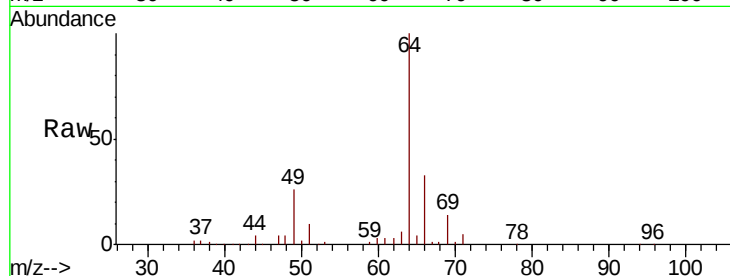
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 64 Resp: 70973

Ion Ratio Lower Upper

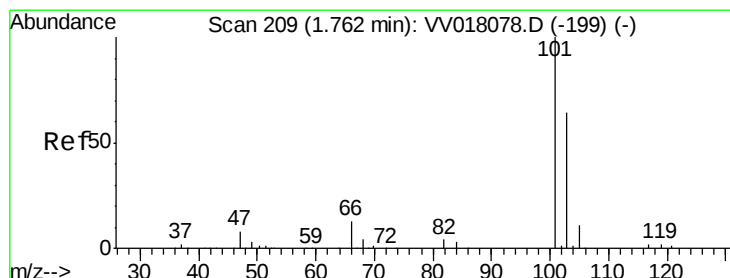
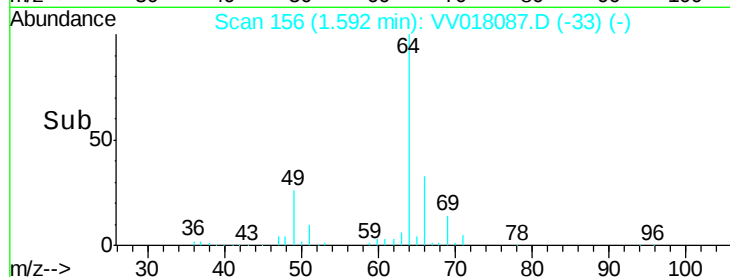
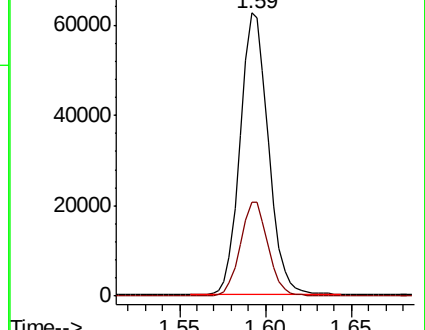
64 100

66 33.3 22.3 41.3



Abundance Ion 64.00 (63.70 to 64.70): VV018087.D (-147) (-)

Ion 66.00 (65.70 to 66.70): VV018087.D (-147) (-)



#9

Trichlorofluoromethane

Concen: 45.378 ug/L

RT: 1.76 min Scan# 209

Delta R.T. 0.00 min

Lab File: VV018087.D

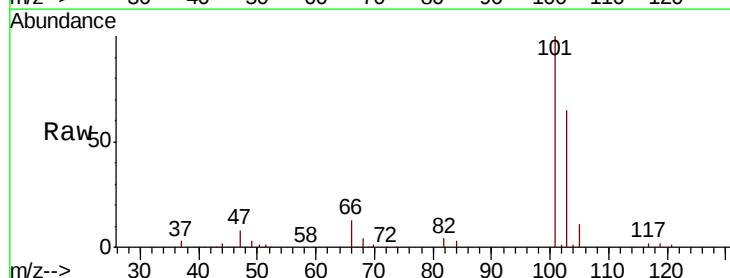
Acq: 24 Aug 2020 15:55

Tgt Ion:101 Resp: 157557

Ion Ratio Lower Upper

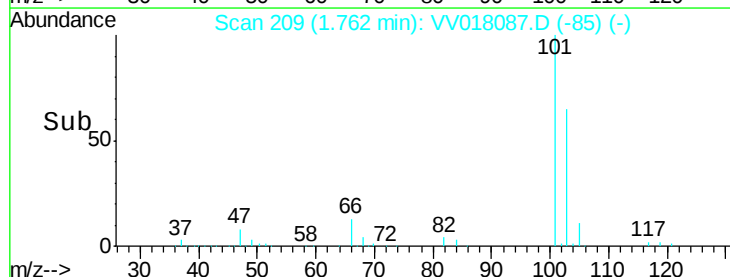
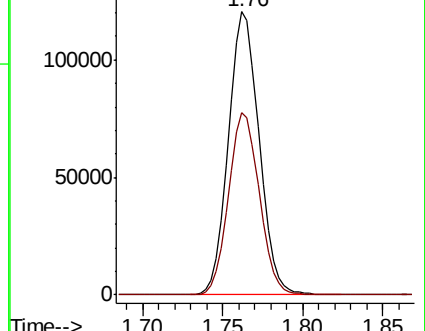
101 100

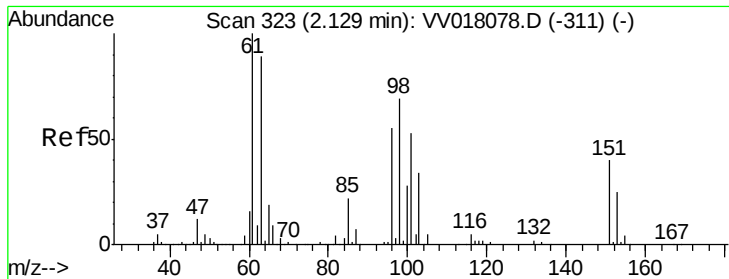
103 64.7 51.5 77.3



Abundance Ion 101.00 (100.70 to 101.70): VV018087.D (-199) (-)

Ion 103.00 (102.70 to 103.70): VV018087.D (-199) (-)





#10

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

Concen: 47.238 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV018087.D

Acq: 24 Aug 2020 15:55

Instrument :

MSVOA_V

ClientSampled :

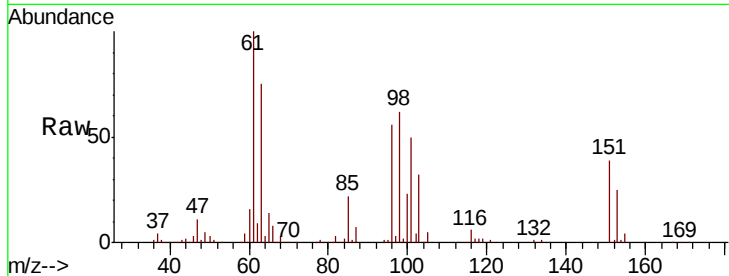
Tot Ion:101 Resp: 91578

Ion Ratio Lower Upper

101 100

85 43.5 34.9 52.3

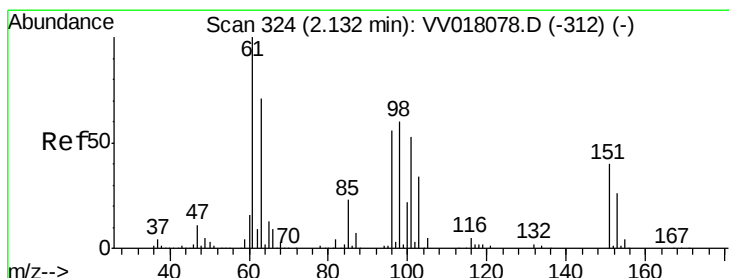
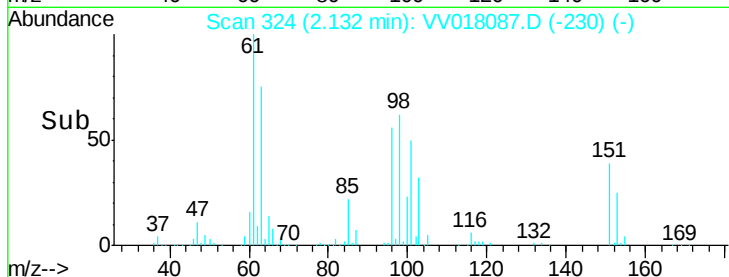
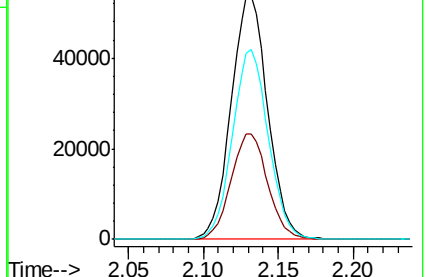
151 76.4 59.1 88.7



Abundance Ion 101.00 (100.70 to 101.70): VV018087.D (-311) (-)

Ion 85.00 (84.70 to 85.70): VV018087.D (-311) (-)

Ion 151.00 (150.70 to 151.70): VV018087.D (-311) (-)



#12

1,1-Dichloroethene

Concen: 47.639 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV018087.D

Acq: 24 Aug 2020 15:55

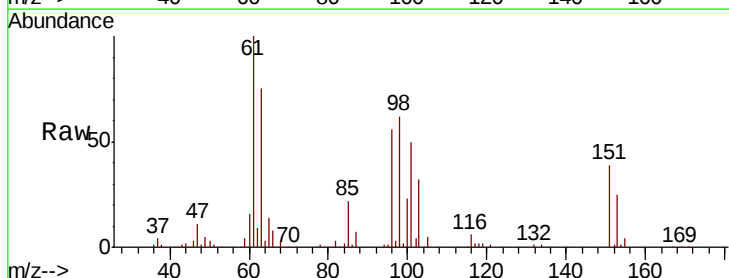
Tgt Ion: 96 Resp: 87415

Ion Ratio Lower Upper

96 100

61 177.9 127.1 236.0

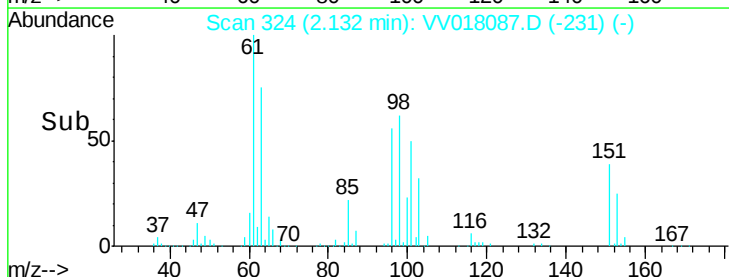
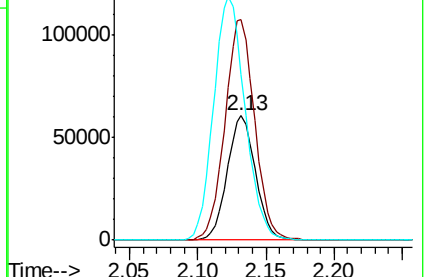
63 133.5 95.2 176.8

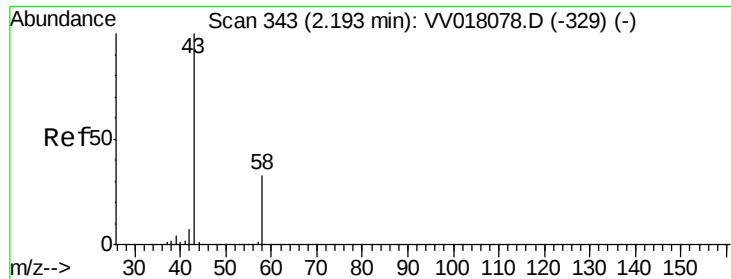


Abundance Ion 96.00 (95.70 to 96.70): VV018087.D (-312) (-)

Ion 61.00 (60.70 to 61.70): VV018087.D (-312) (-)

Ion 63.00 (62.70 to 63.70): VV018087.D (-312) (-)





#13

Acetone

Concen: 95.655 ug/L

RT: 2.19 min Scan# 341

Delta R.T. -0.01 min

Lab File: VV018087.D

Acq: 24 Aug 2020 15:55

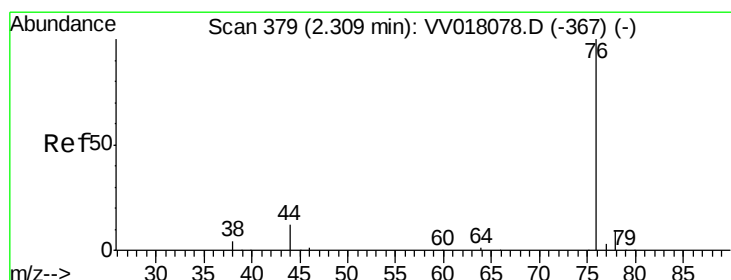
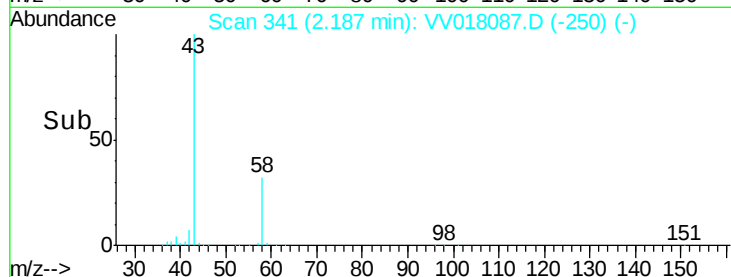
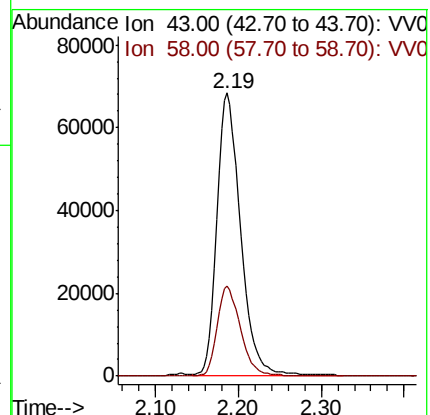
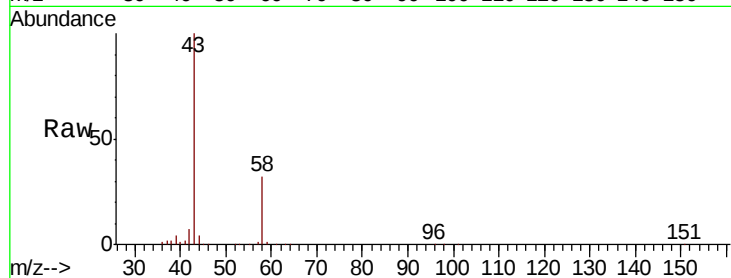
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 135061

Ion Ratio Lower Upper

43 100

58 31.6 0.0 63.6



#14

Carbon disulfide

Concen: 45.794 ug/L

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VV018087.D

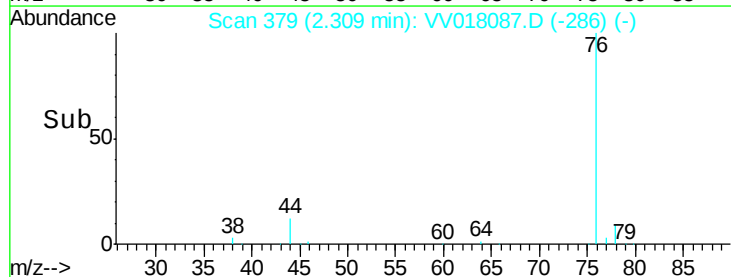
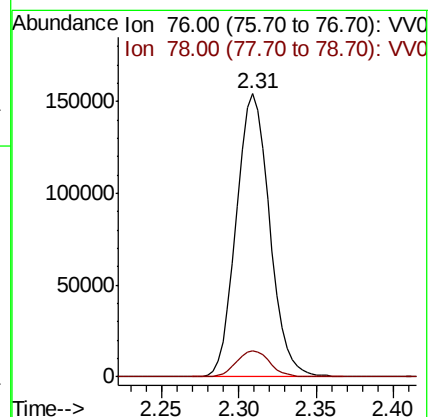
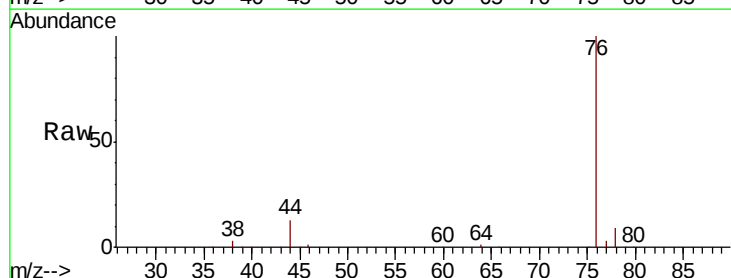
Acq: 24 Aug 2020 15:55

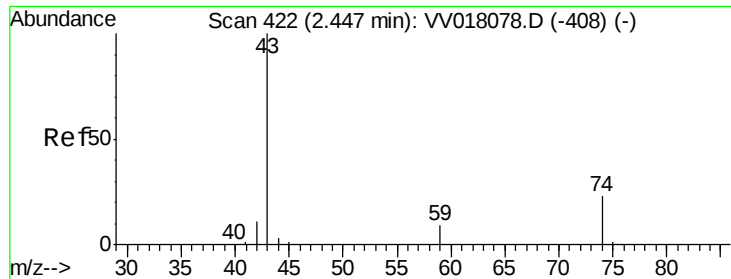
Tgt Ion: 76 Resp: 231279

Ion Ratio Lower Upper

76 100

78 9.3 7.4 11.2

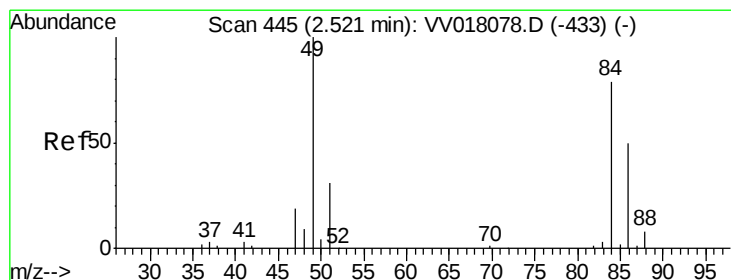
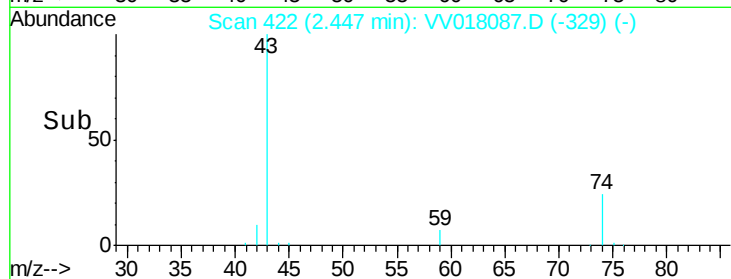
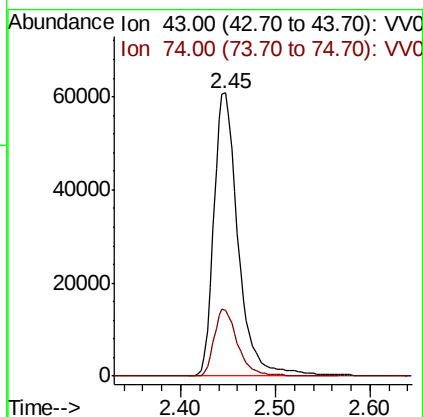
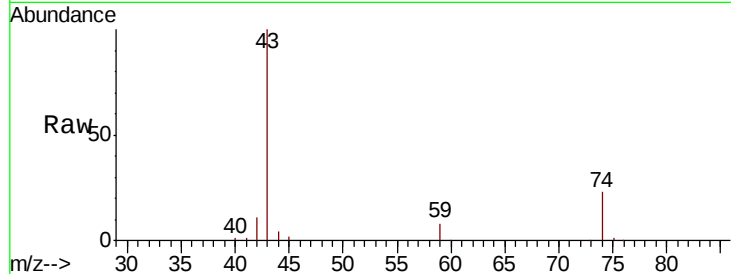




#15
Methyl Acetate
Concen: 47.340 ug/L
RT: 2.45 min Scan# 422
Delta R.T. 0.00 min
Lab File: VV018087.D
Acq: 24 Aug 2020 15:55

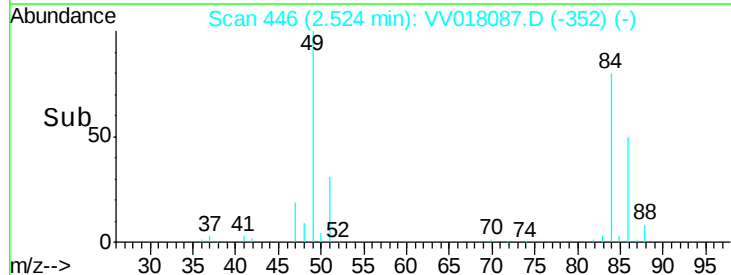
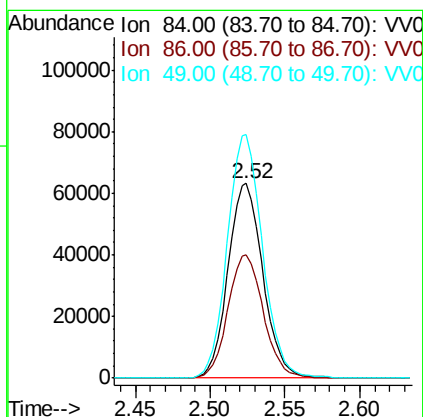
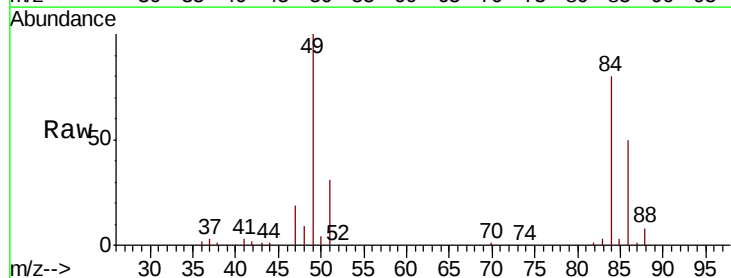
Instrument :
MSVOA_V
ClientSampleId :

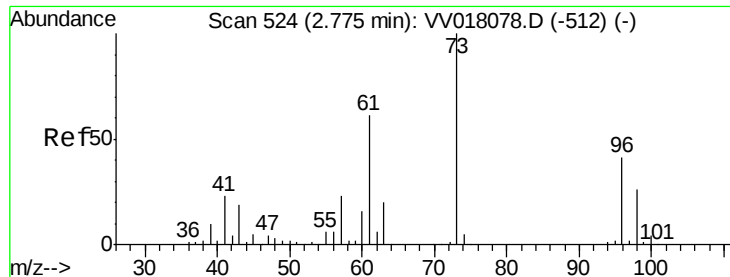
Tot Ion: 43 Resp: 107868
Ion Ratio Lower Upper
43 100
74 23.0 18.4 27.6



#16
Methylene chloride
Concen: 43.958 ug/L
RT: 2.52 min Scan# 446
Delta R.T. 0.00 min
Lab File: VV018087.D
Acq: 24 Aug 2020 15:55

Tgt Ion: 84 Resp: 102762
Ion Ratio Lower Upper
84 100
86 63.2 46.3 85.9
49 125.2 89.7 166.5

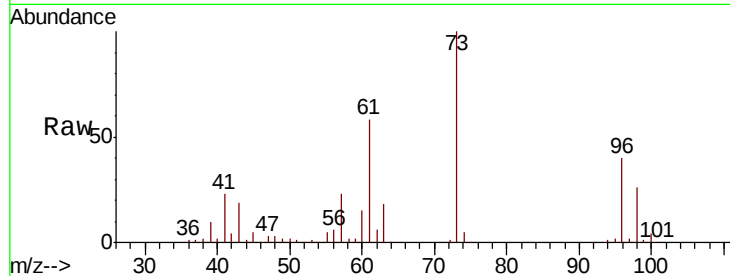




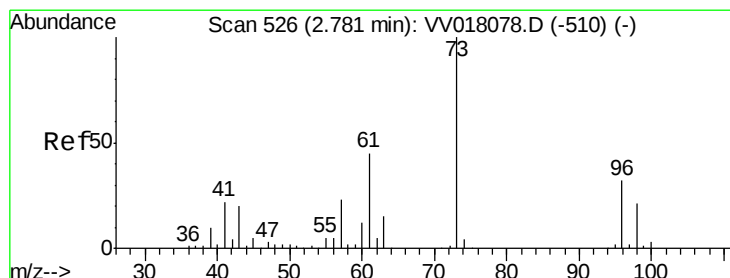
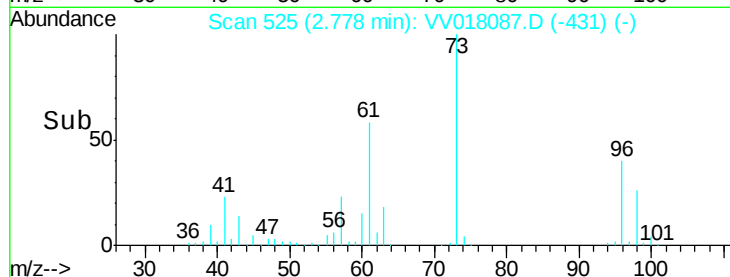
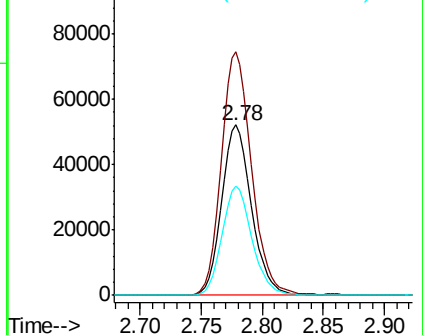
#17
trans-1,2-Dichloroethene
Concen: 47.565 ug/L
RT: 2.78 min Scan# 525
Delta R.T. 0.00 min
Lab File: VV018087.D
Acq: 24 Aug 2020 15:55

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 96 Resp: 89719
Ion Ratio Lower Upper
96 100
61 142.7 102.4 190.2
98 64.1 44.4 82.5

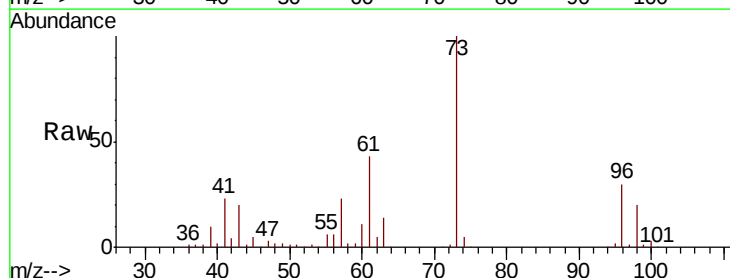


Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 98.00 (97.70 to 98.70): VV0

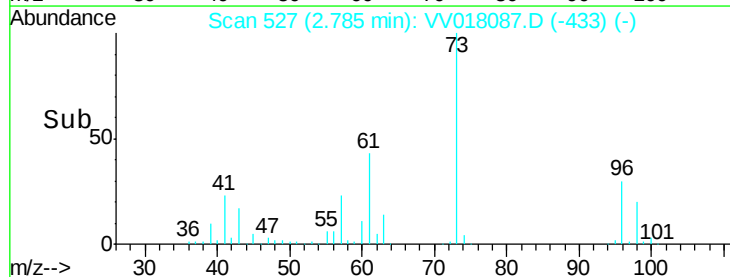
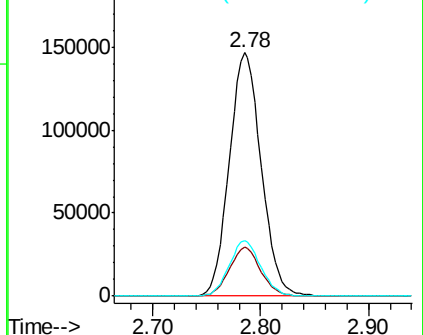


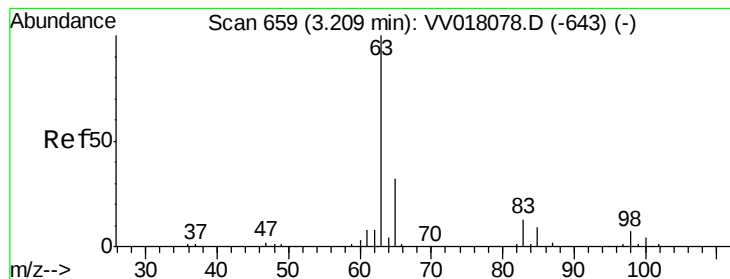
#18
Methyl tert-butyl Ether
Concen: 48.531 ug/L
RT: 2.78 min Scan# 527
Delta R.T. 0.00 min
Lab File: VV018087.D
Acq: 24 Aug 2020 15:55

Tgt Ion: 73 Resp: 302743
Ion Ratio Lower Upper
73 100
43 19.5 15.9 23.9
57 22.5 18.1 27.1



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: 48.246 ug/L

RT: 3.21 min Scan# 660

Delta R.T. 0.00 min

Lab File: VV018087.D

Acq: 24 Aug 2020 15:55

Instrument :

MSVOA_V

ClientSampled :

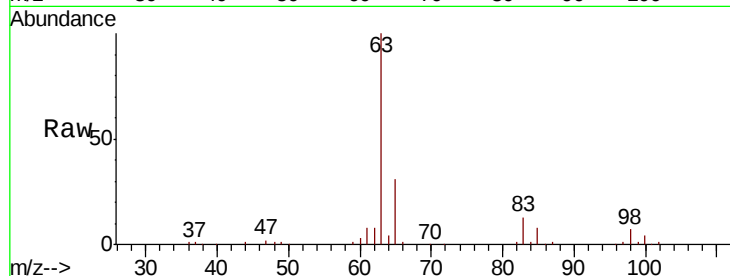
Tot Ion: 63 Resp: 182984

Ion Ratio Lower Upper

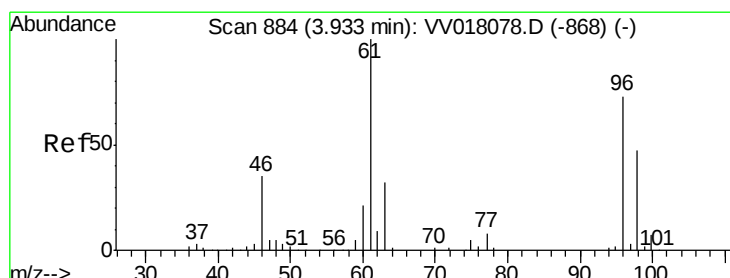
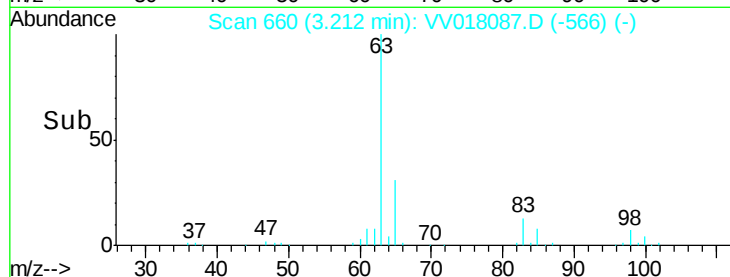
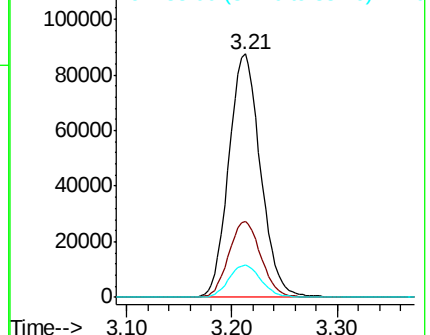
63 100

65 31.4 22.5 41.7

83 13.2 9.2 17.2



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: 49.665 ug/L

RT: 3.94 min Scan# 886

Delta R.T. 0.01 min

Lab File: VV018087.D

Acq: 24 Aug 2020 15:55

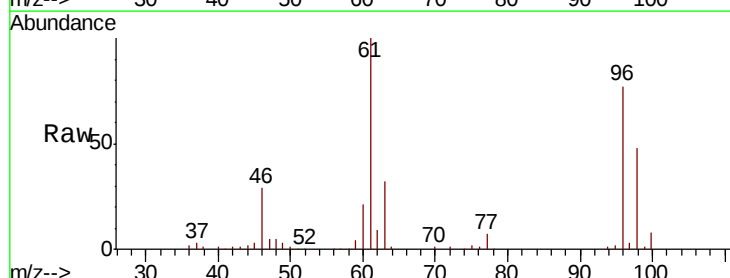
Tgt Ion: 96 Resp: 102945

Ion Ratio Lower Upper

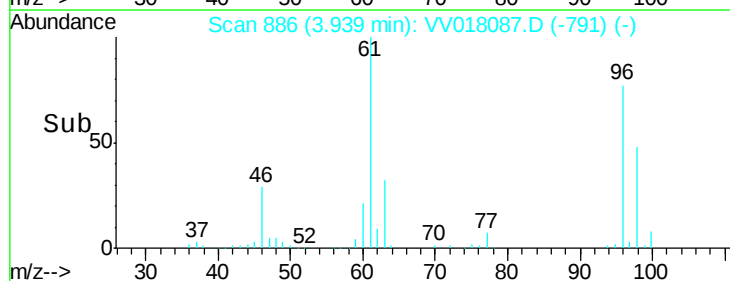
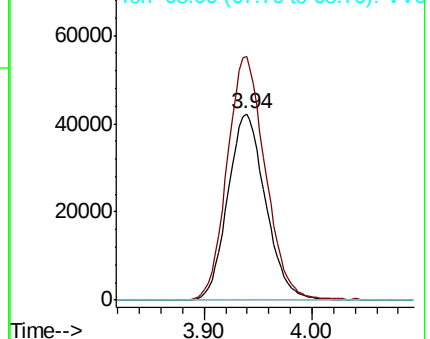
96 100

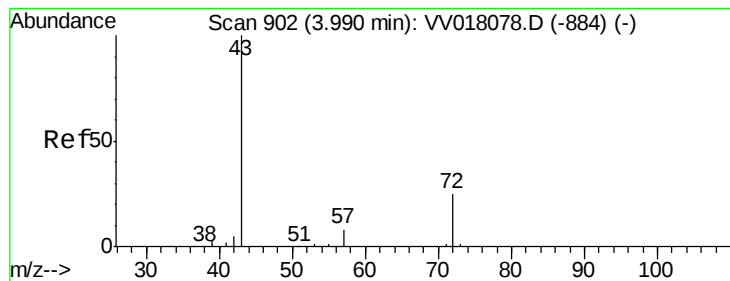
61 130.6 95.0 176.4

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: 101.471 ug/L

RT: 3.99 min Scan# 902

Delta R.T. 0.00 min

Lab File: VV018087.D

Acq: 24 Aug 2020 15:55

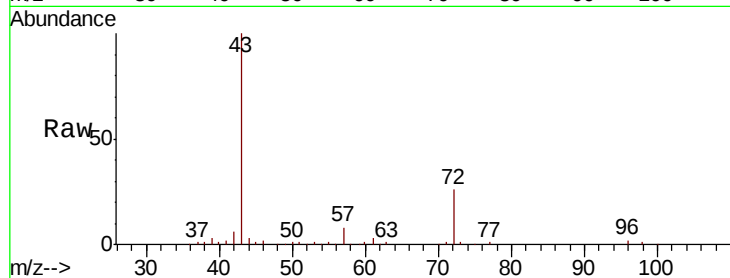
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 160728

Ion Ratio Lower Upper

43 100

72 25.7 12.7 38.0



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 72.00 (71.70 to 72.70): VV0

60000

50000

40000

30000

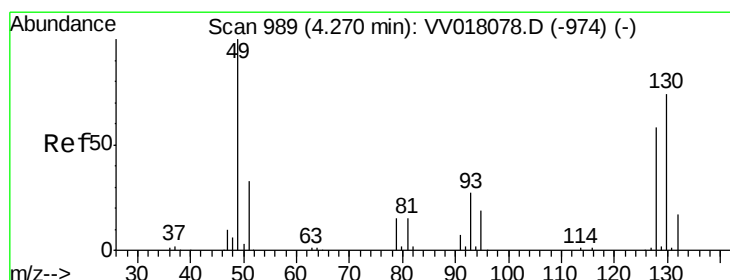
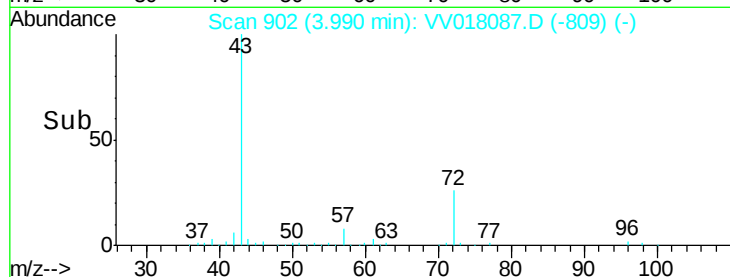
20000

10000

0

3.99

Time-->



#23

Bromochloromethane

Concen: 49.906 ug/L

RT: 4.28 min Scan# 991

Delta R.T. 0.01 min

Lab File: VV018087.D

Acq: 24 Aug 2020 15:55

Tgt Ion:128 Resp: 54040

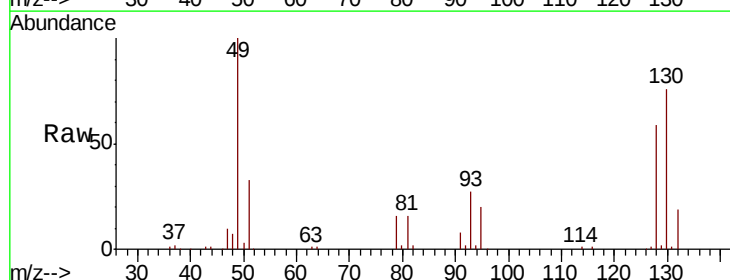
Ion Ratio Lower Upper

128 100

49 170.7 125.6 233.3

130 129.6 89.9 167.0

51 55.7 45.8 68.6



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VV0

Ion 130.00 (129.70 to 130.70): V

Ion 51.00 (50.70 to 51.70): VV0

60000

50000

40000

30000

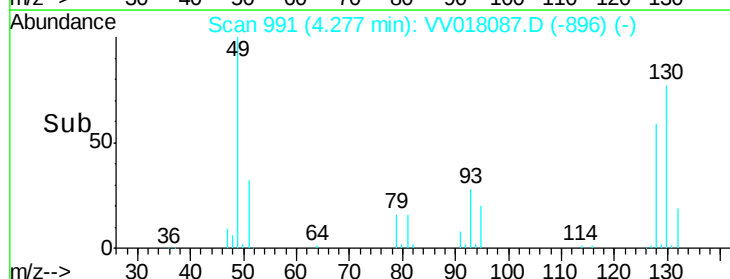
20000

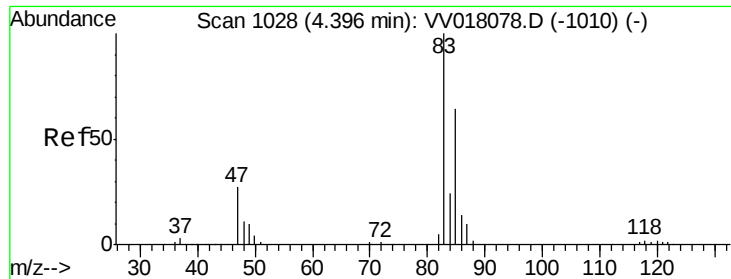
10000

0

4.28

Time-->

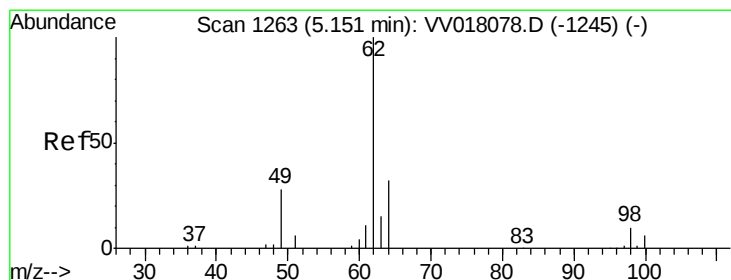
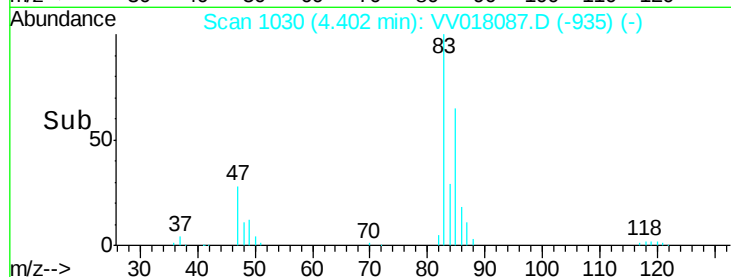
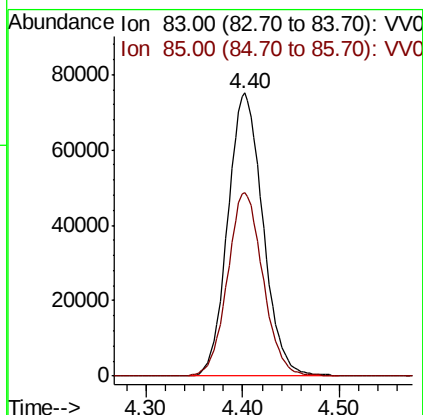
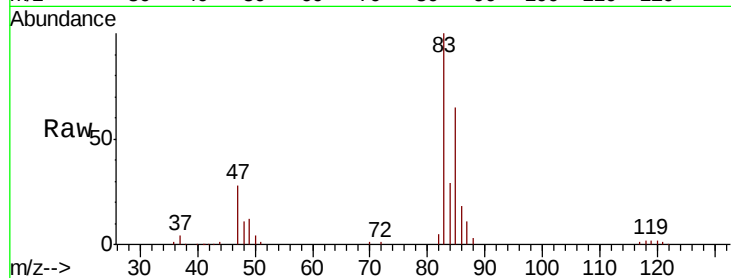




#25
Chloroform
Concen: 48.981 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. 0.01 min
Lab File: VV018087.D
Acq: 24 Aug 2020 15:55

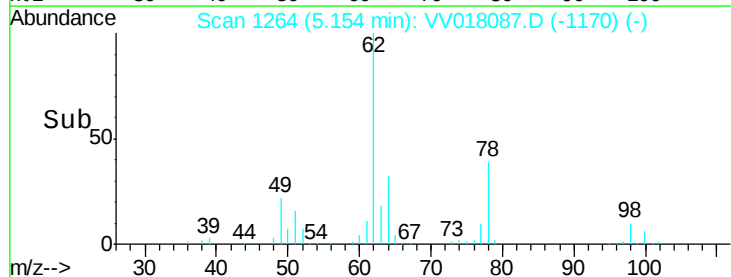
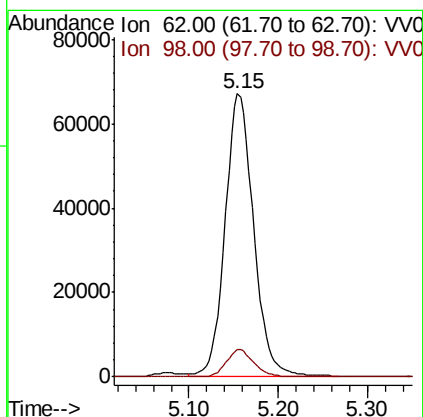
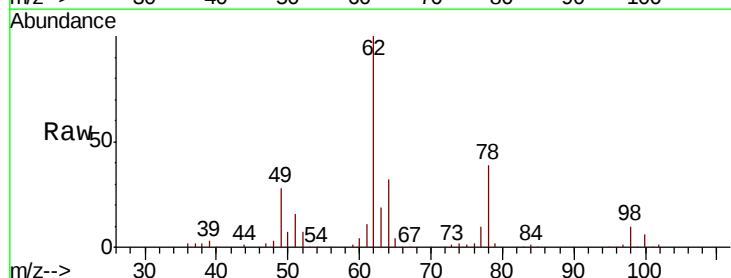
Instrument :
MSVOA_V
ClientSampleId :

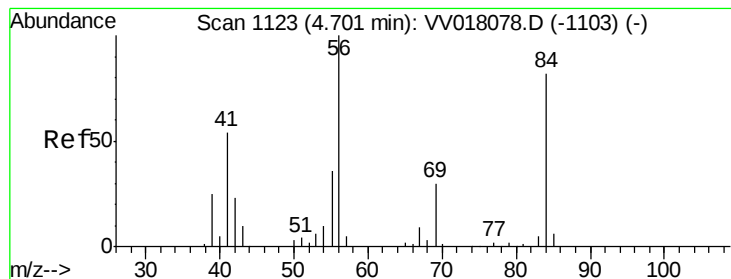
Tot Ion: 83 Resp: 189482
Ion Ratio Lower Upper
83 100
85 65.0 45.5 84.5



#27
1,2-Dichloroethane
Concen: 48.047 ug/L
RT: 5.15 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VV018087.D
Acq: 24 Aug 2020 15:55

Tgt Ion: 62 Resp: 147943
Ion Ratio Lower Upper
62 100
98 9.6 7.1 10.7





#29

Cyclohexane

Concen: 45.612 ug/L

RT: 4.70 min Scan# 1124

Delta R.T. 0.00 min

Lab File: VV018087.D

Acq: 24 Aug 2020 15:55

Instrument :
MSVOA_V
ClientSampleId :

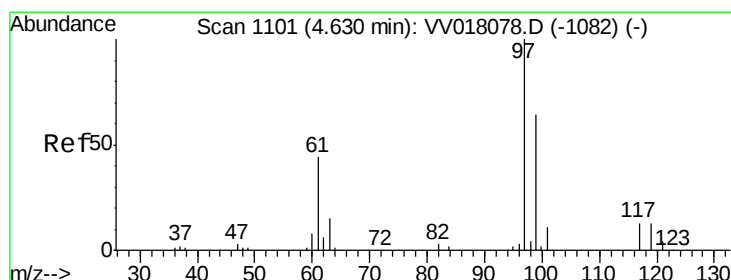
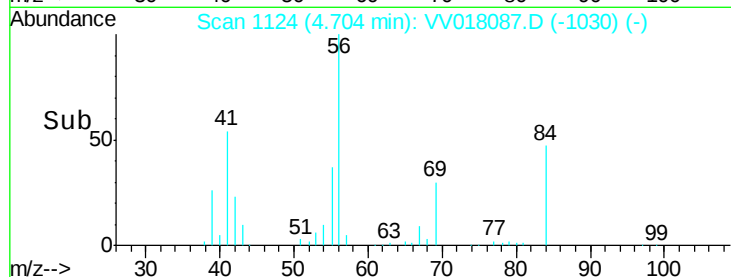
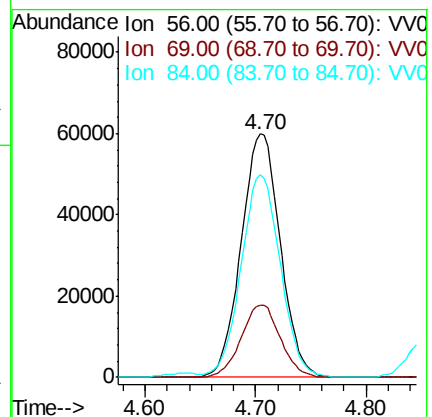
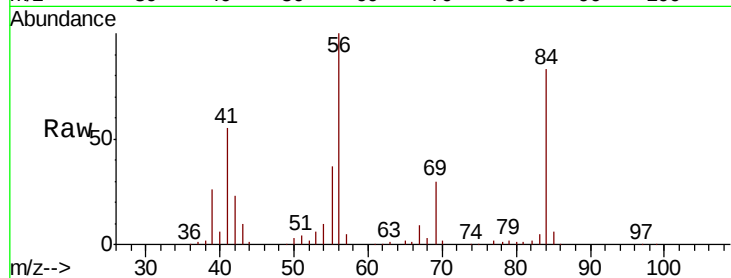
Tot Ion: 56 Resp: 147375

Ion Ratio Lower Upper

56 100

69 29.8 23.8 35.8

84 83.9 66.8 100.2



#30

1,1,1-Trichloroethane

Concen: 48.591 ug/L

RT: 4.63 min Scan# 1102

Delta R.T. 0.00 min

Lab File: VV018087.D

Acq: 24 Aug 2020 15:55

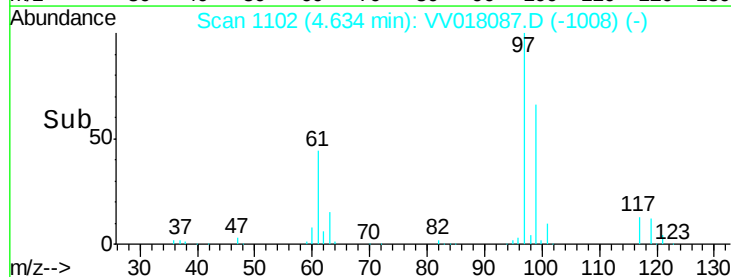
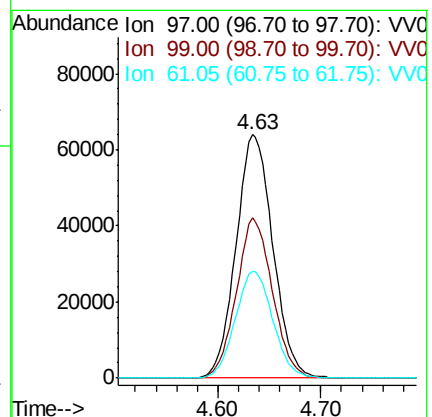
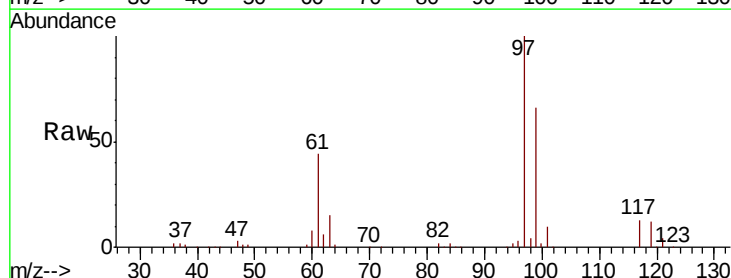
Tgt Ion: 97 Resp: 159408

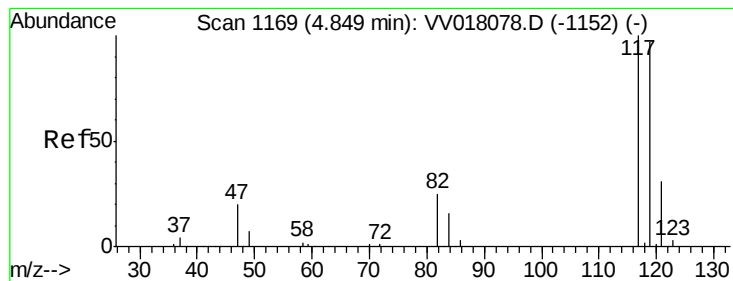
Ion Ratio Lower Upper

97 100

99 64.2 50.6 76.0

61 44.8 37.0 55.6





#31

Carbon tetrachloride

Concen: 49.732 ug/L

RT: 4.86 min Scan# 1171

Delta R.T. 0.01 min

Lab File: VV018087.D

Acq: 24 Aug 2020 15:55

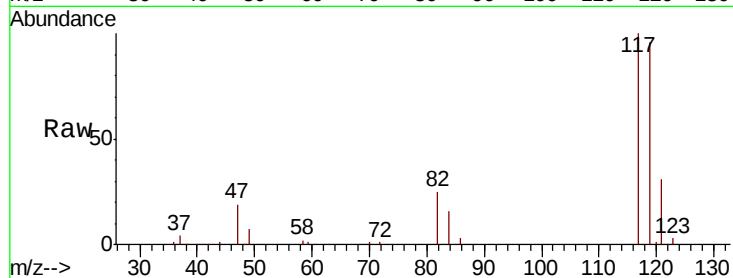
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:117 Resp: 135820

Ion Ratio Lower Upper

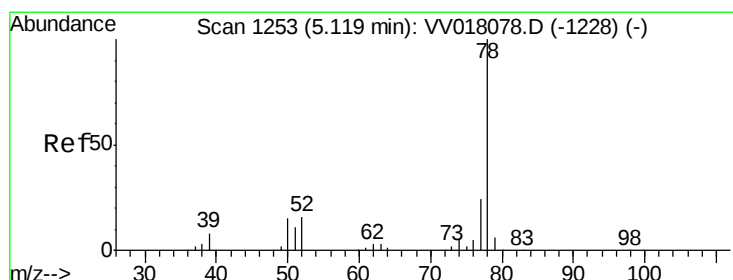
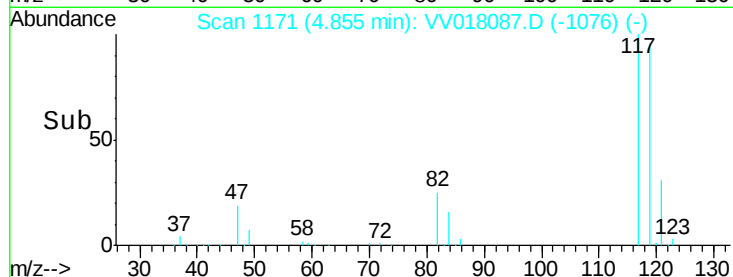
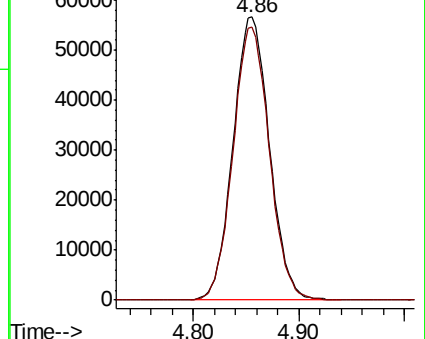
117 100

119 96.2 77.0 115.6



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 47.864 ug/L

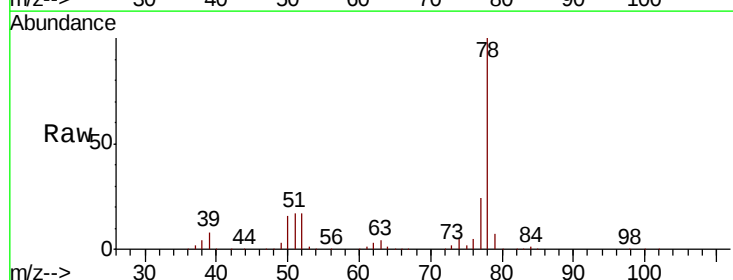
RT: 5.13 min Scan# 1255

Delta R.T. 0.01 min

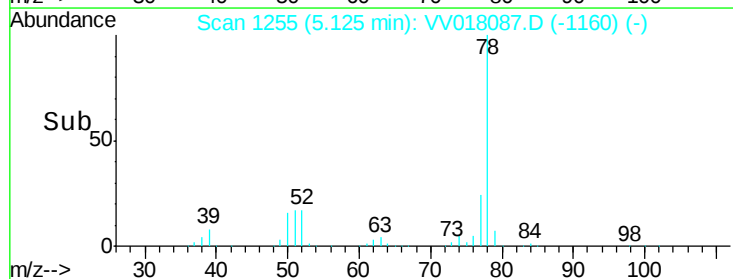
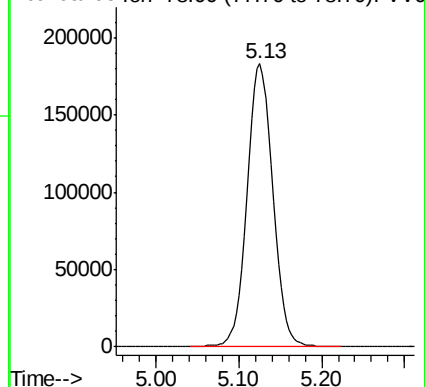
Lab File: VV018087.D

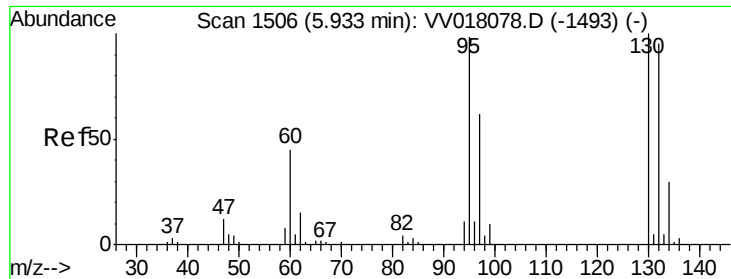
Acq: 24 Aug 2020 15:55

Tgt Ion: 78 Resp: 396431



Abundance Ion 78.00 (77.70 to 78.70): VV0

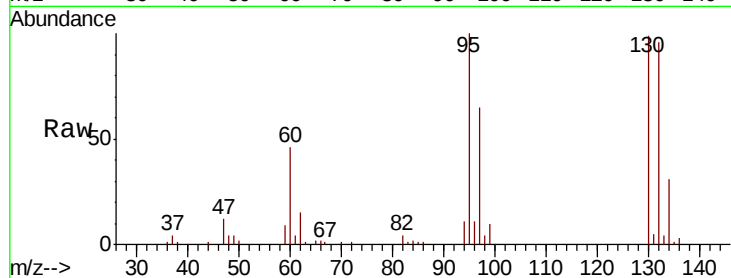




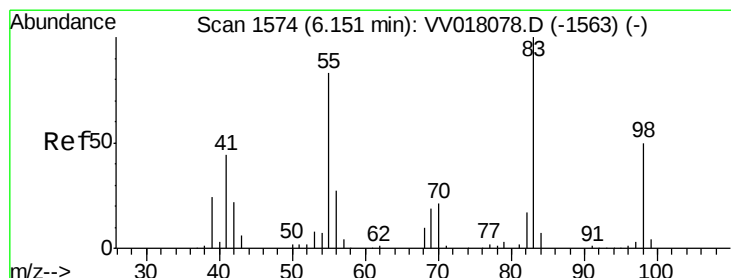
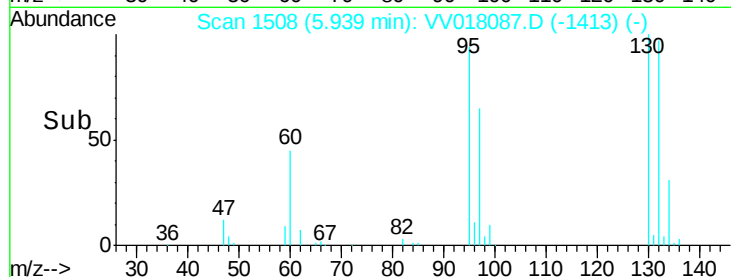
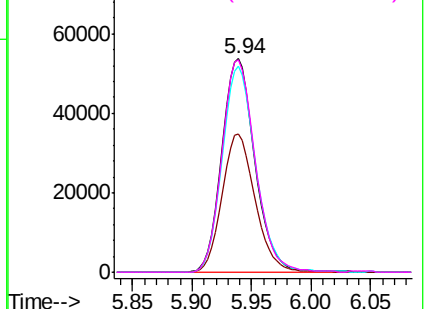
#34
 Trichloroethene
 Concen: 47.411 ug/L
 RT: 5.94 min Scan# 1508
 Delta R.T. 0.01 min
 Lab File: VV018087.D
 Acq: 24 Aug 2020 15:55

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:	95	Resp:	103797
Ion	Ratio	Lower	Upper
95	100		
97	64.9	46.0	85.4
132	96.3	65.8	122.2
130	99.5	69.2	128.6

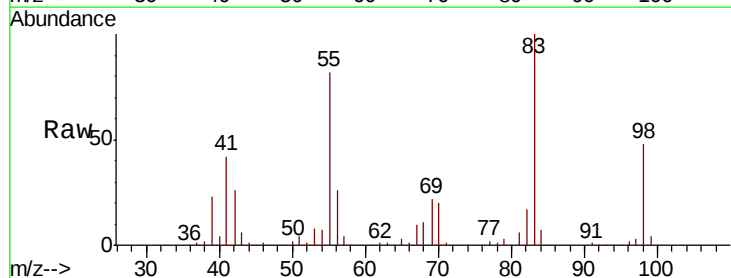


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 97.00 (96.70 to 97.70): VV0
 Ion 132.00 (131.70 to 132.70): VV0
 Ion 130.00 (129.70 to 130.70): VV0

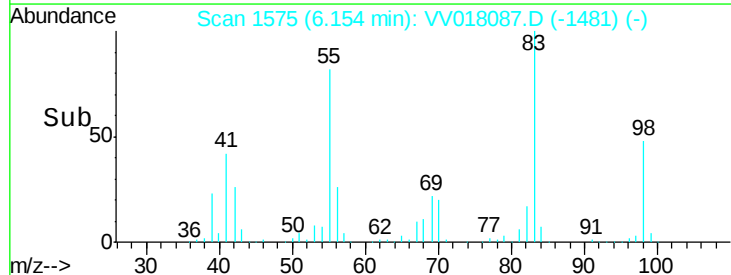
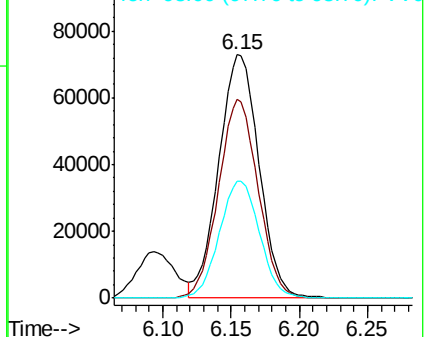


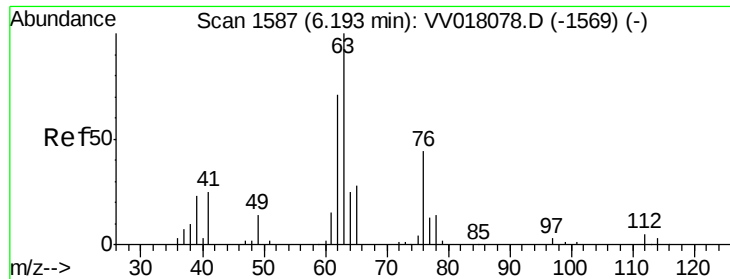
#35
 Methylcyclohexane
 Concen: 46.015 ug/L
 RT: 6.15 min Scan# 1575
 Delta R.T. 0.00 min
 Lab File: VV018087.D
 Acq: 24 Aug 2020 15:55

Tgt Ion:	83	Resp:	149800
Ion	Ratio	Lower	Upper
83	100		
55	79.8	64.9	97.3
98	48.0	38.7	58.1



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

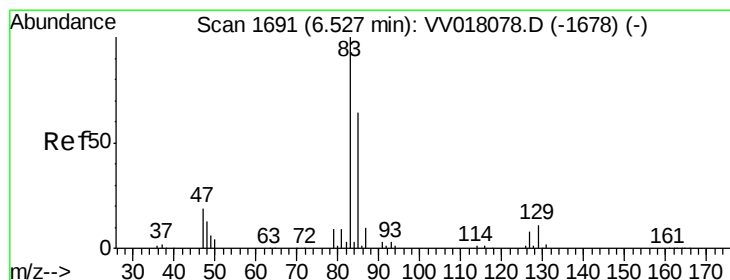
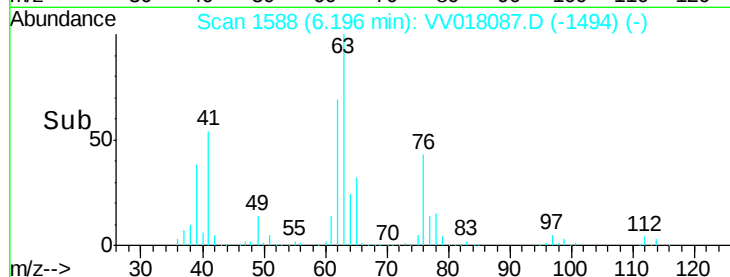
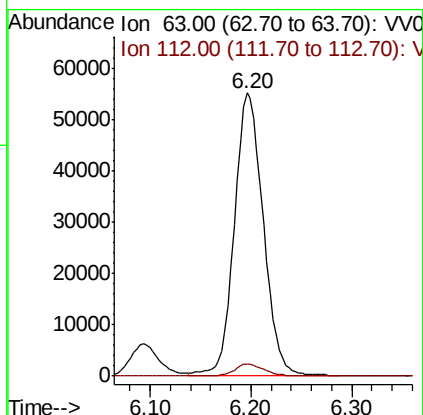
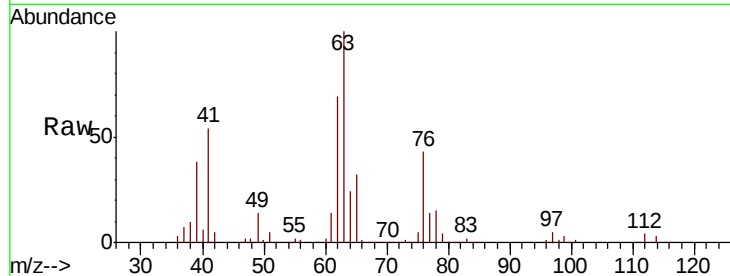




#37
 1,2-Dichloropropane
 Concen: 48.452 ug/L
 RT: 6.20 min Scan# 1588
 Delta R.T. 0.00 min
 Lab File: VV018087.D
 Acq: 24 Aug 2020 15:55

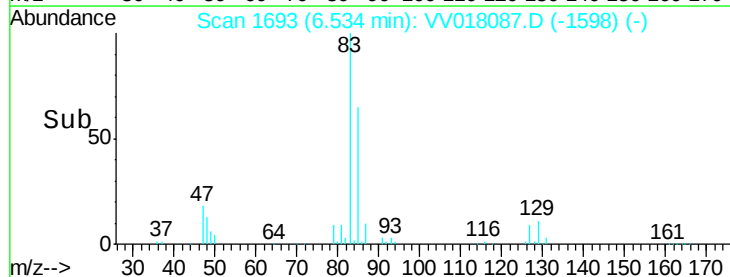
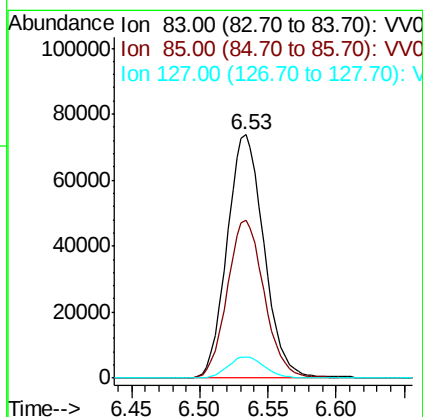
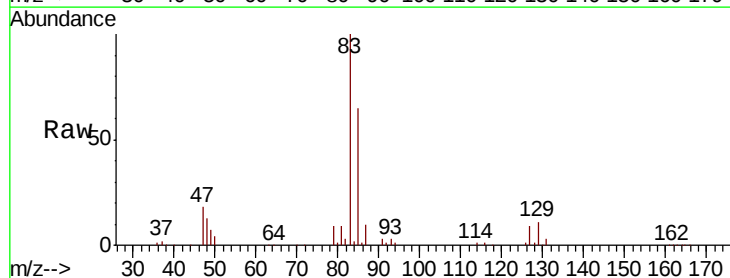
Instrument :
 MSVOA_V
 ClientSampleId :

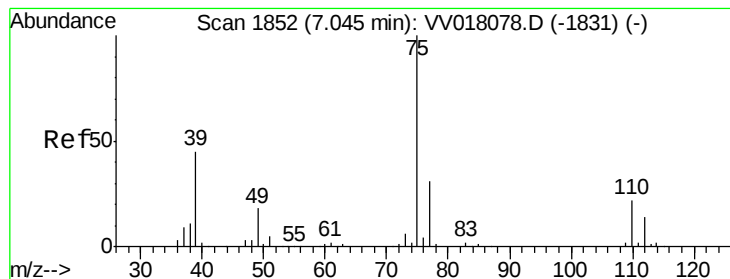
Tot Ion: 63 Resp: 109440
 Ion Ratio Lower Upper
 63 100
 112 4.3 3.5 5.3



#38
 Bromodichloromethane
 Concen: 49.409 ug/L
 RT: 6.53 min Scan# 1693
 Delta R.T. 0.01 min
 Lab File: VV018087.D
 Acq: 24 Aug 2020 15:55

Tgt Ion: 83 Resp: 138622
 Ion Ratio Lower Upper
 83 100
 85 64.9 44.3 82.3
 127 8.7 6.5 9.7



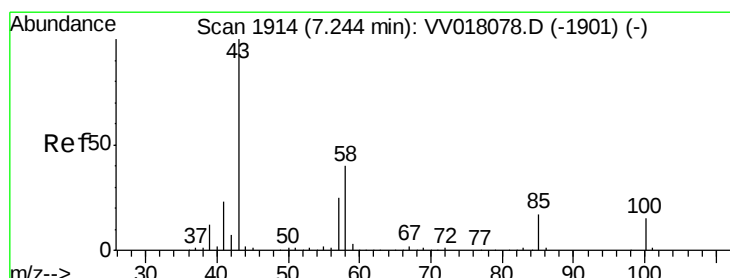
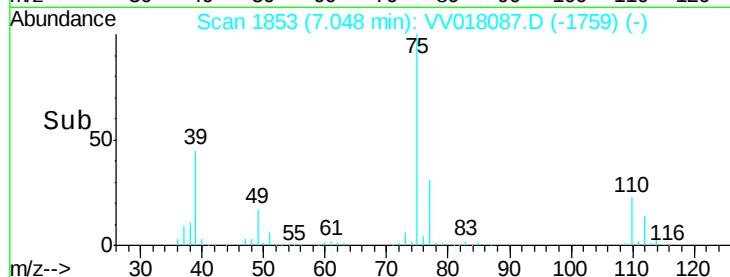
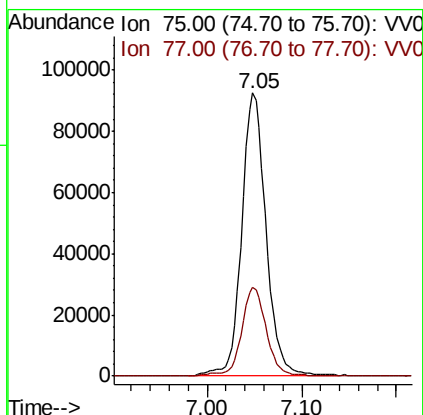
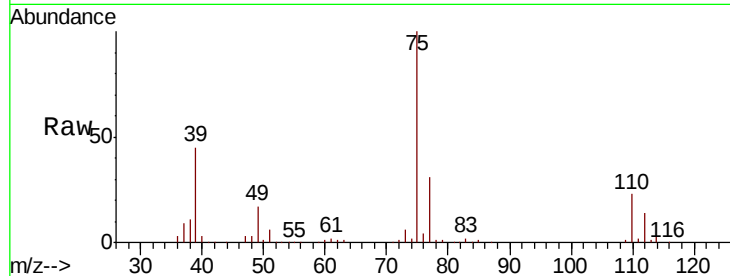


#39

cis-1,3-Dichloropropene
Concen: 51.763 ug/L
RT: 7.05 min Scan# 1853
Delta R.T. 0.00 min
Lab File: VV018087.D
Acq: 24 Aug 2020 15:55

Instrument :
MSVOA_V
ClientSampled :

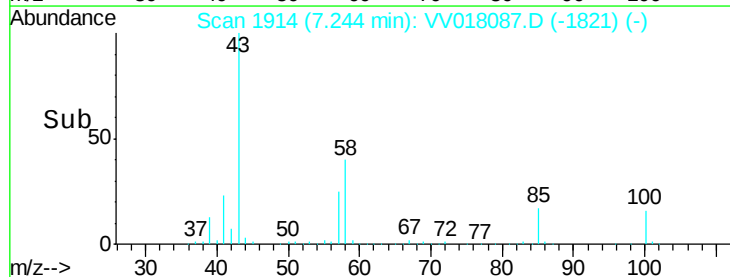
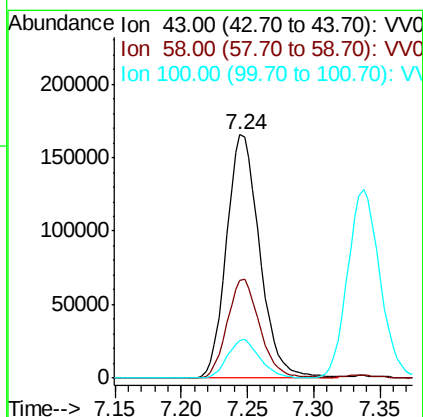
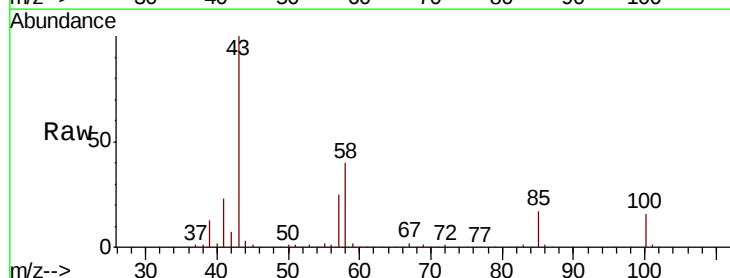
Tot Ion: 75 Resp: 165746
Ion Ratio Lower Upper
75 100
77 31.3 22.3 41.5

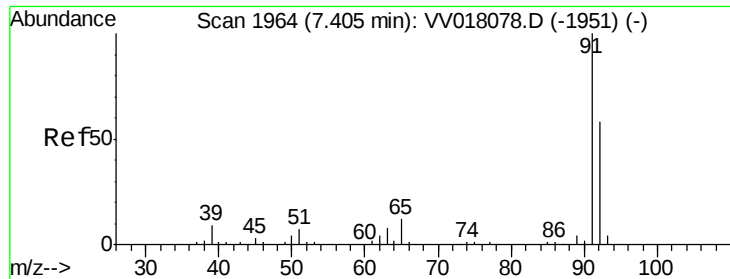


#40

4-Methyl-2-pentanone
Concen: 97.812 ug/L
RT: 7.24 min Scan# 1914
Delta R.T. 0.00 min
Lab File: VV018087.D
Acq: 24 Aug 2020 15:55

Tgt Ion: 43 Resp: 288812
Ion Ratio Lower Upper
43 100
58 39.9 31.9 47.9
100 15.5 12.2 18.2





#42

Toluene

Concen: 49.130 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VV018087.D

Acq: 24 Aug 2020 15:55

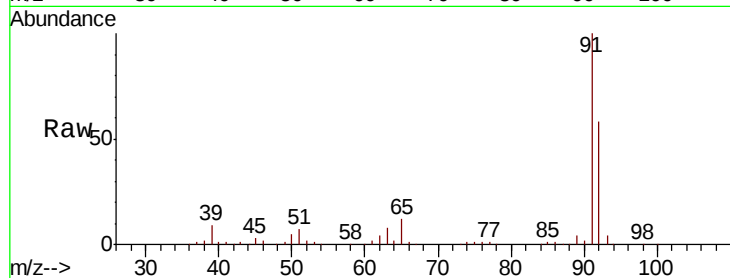
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 91 Resp: 424612

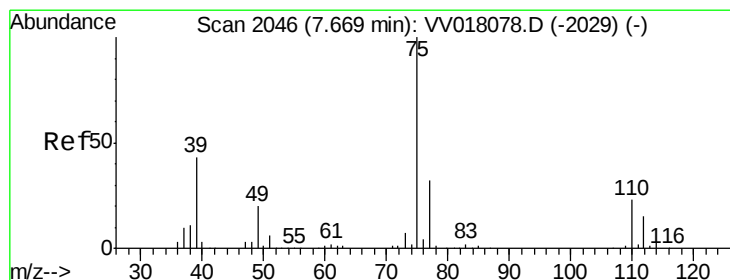
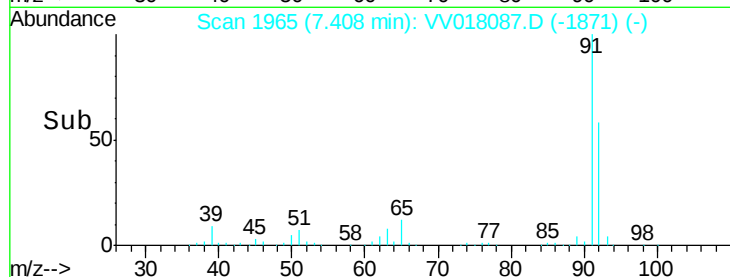
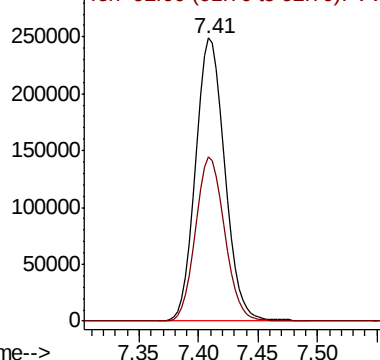
Ion Ratio Lower Upper

91 100

92 58.0 40.6 75.4



Abundance Ion 91.00 (90.70 to 91.70): VV0
Ion 92.00 (91.70 to 92.70): VV0



#44

trans-1,3-Dichloropropene

Concen: 52.983 ug/L

RT: 7.67 min Scan# 2047

Delta R.T. 0.00 min

Lab File: VV018087.D

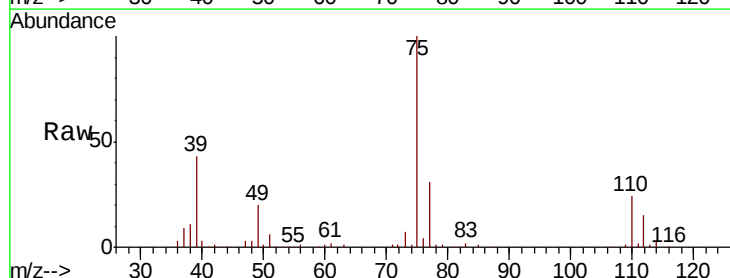
Acq: 24 Aug 2020 15:55

Tgt Ion: 75 Resp: 160968

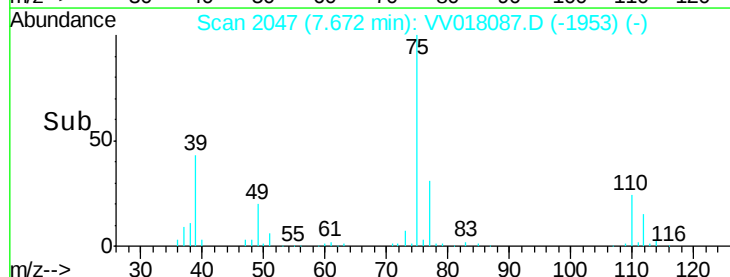
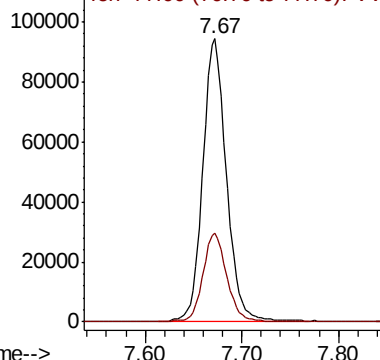
Ion Ratio Lower Upper

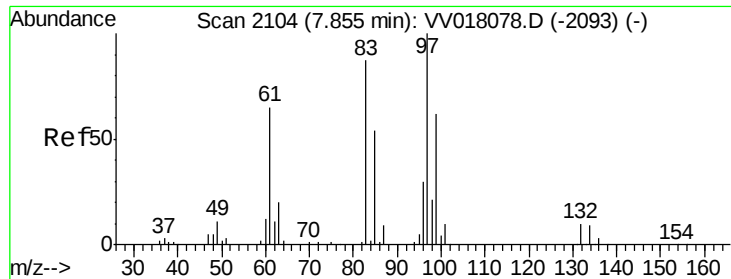
75 100

77 31.4 22.3 41.5



Abundance Ion 75.00 (74.70 to 75.70): VV0
Ion 77.00 (76.70 to 77.70): VV0

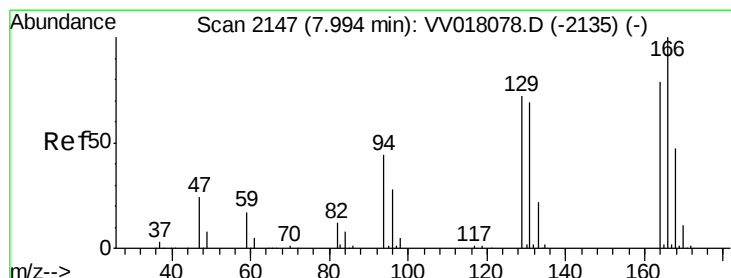
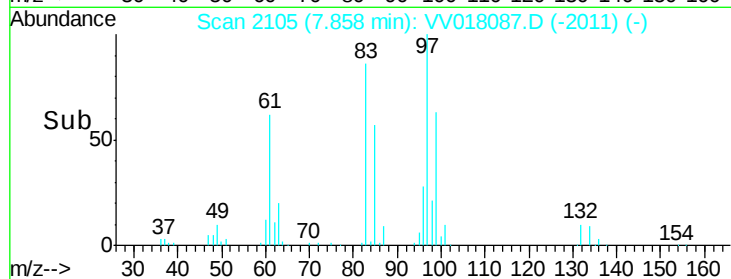
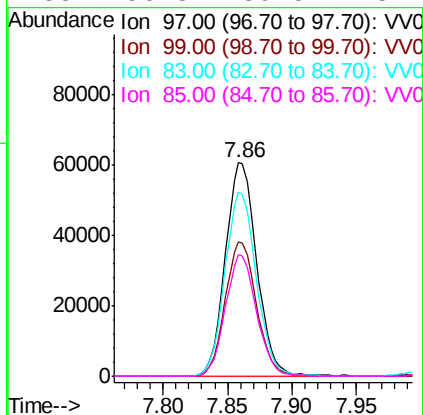
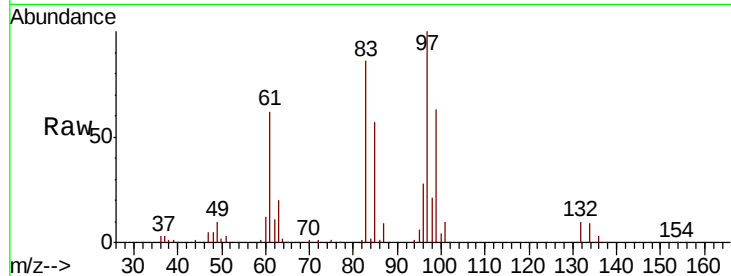




#45
 1,1,2-Trichloroethane
 Concen: 48.951 ug/L
 RT: 7.86 min Scan# 2105
 Delta R.T. 0.00 min
 Lab File: VV018087.D
 Acq: 24 Aug 2020 15:55

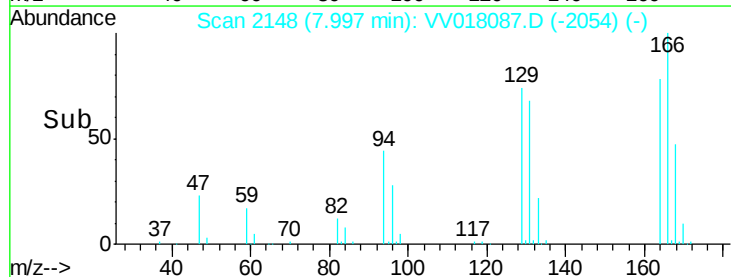
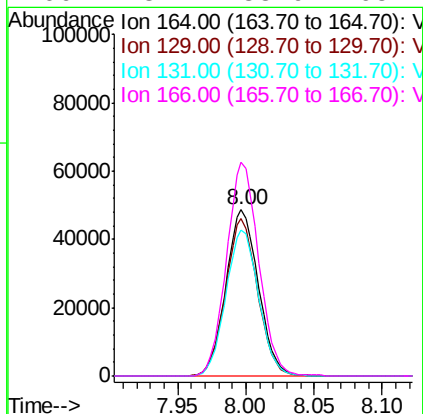
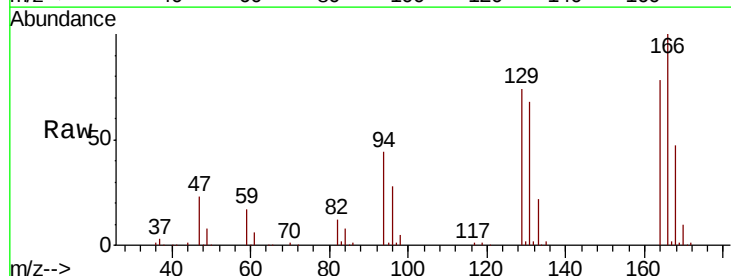
Instrument :
 MSVOA_V
 ClientSampleId :

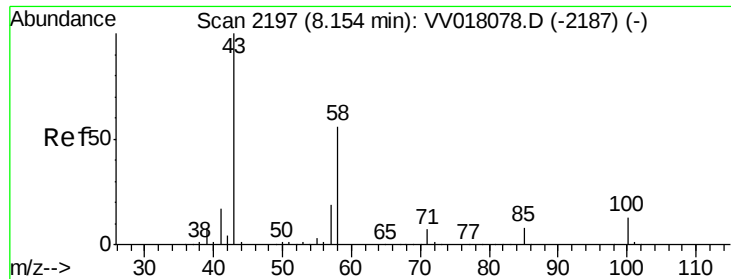
Tot Ion:	97	Resp:	102394
Ion	Ratio	Lower	Upper
97	100		
99	62.8	44.2	82.2
83	86.4	61.0	113.4
85	56.8	39.5	73.4



#46
 Tetrachloroethene
 Concen: 50.075 ug/L
 RT: 8.00 min Scan# 2148
 Delta R.T. 0.00 min
 Lab File: VV018087.D
 Acq: 24 Aug 2020 15:55

Tgt Ion:	164	Resp:	80402
Ion	Ratio	Lower	Upper
164	100		
129	94.8	64.8	120.3
131	88.1	64.5	119.9
166	128.7	88.9	165.1

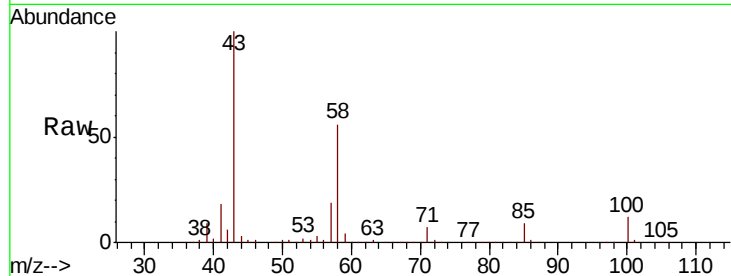




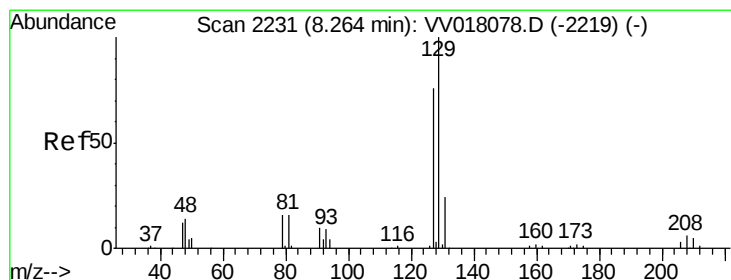
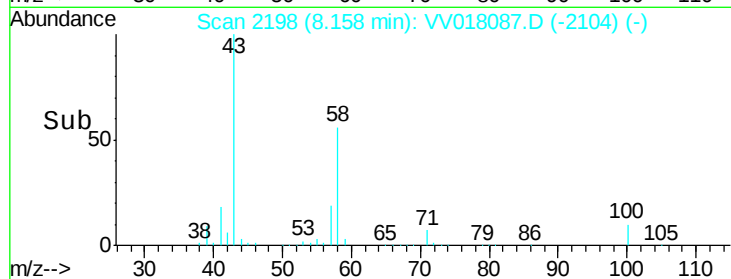
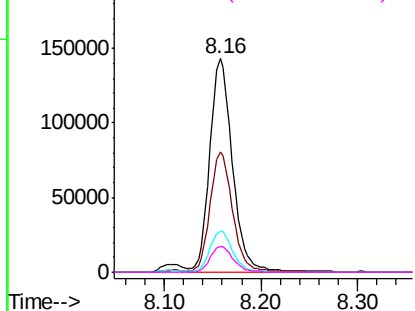
#48
2-Hexanone
Concen: 97.910 ug/L
RT: 8.16 min Scan# 2198
Delta R.T. 0.00 min
Lab File: VV018087.D
Acq: 24 Aug 2020 15:55

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 233128
Ion Ratio Lower Upper
43 100
58 55.1 44.4 66.6
57 19.3 15.2 22.8
100 12.3 9.8 14.6

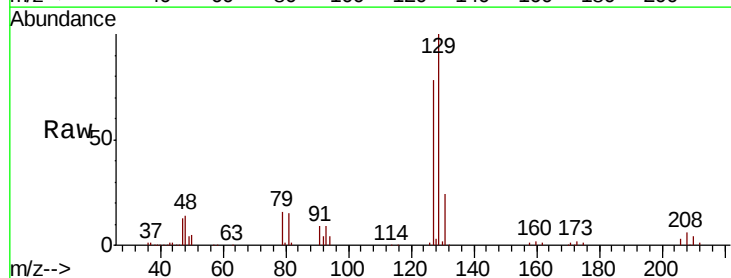


Abundance Ion 43.00 (42.70 to 43.70): VV018087.D (-2197) (-)
Ion 58.00 (57.70 to 58.70): VV018087.D (-2197) (-)
Ion 57.00 (56.70 to 57.70): VV018087.D (-2197) (-)
Ion 100.00 (99.70 to 100.70): VV018087.D (-2197) (-)

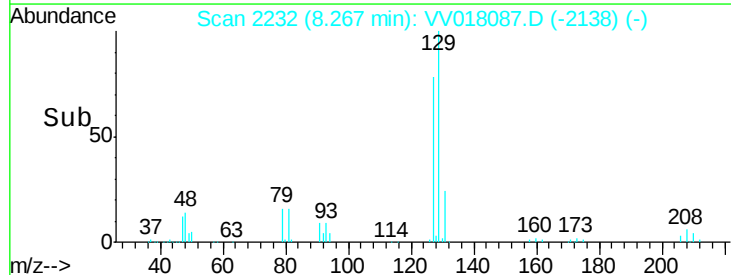
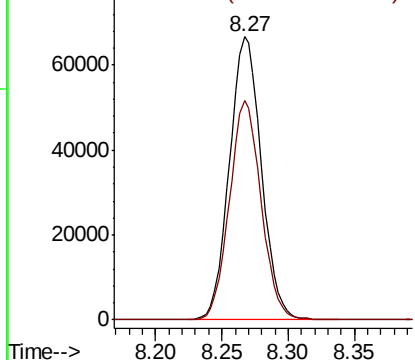


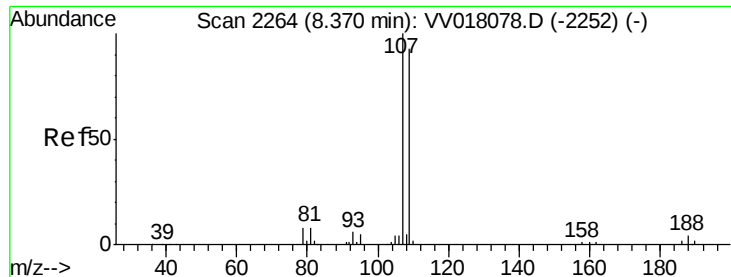
#49
Dibromochloromethane
Concen: 54.723 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. 0.00 min
Lab File: VV018087.D
Acq: 24 Aug 2020 15:55

Tgt Ion: 129 Resp: 111730
Ion Ratio Lower Upper
129 100
127 77.6 54.9 101.9



Abundance Ion 129.00 (128.70 to 129.70): VV018087.D (-2231) (-)
Ion 127.00 (126.70 to 127.70): VV018087.D (-2231) (-)

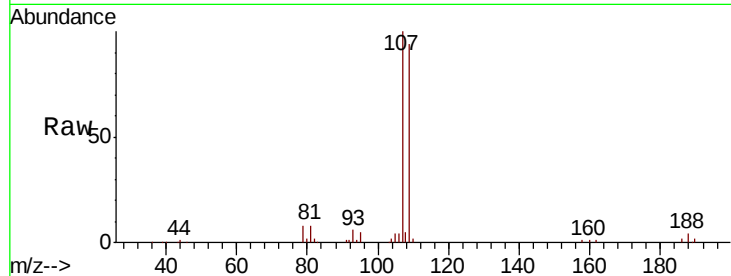




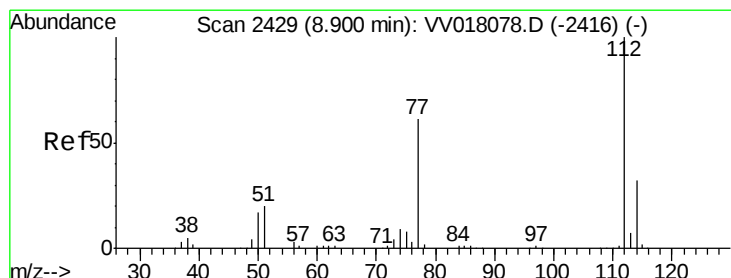
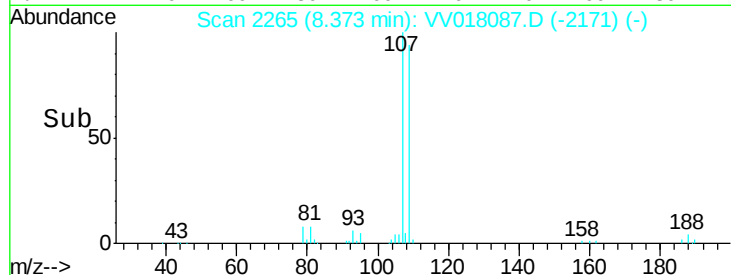
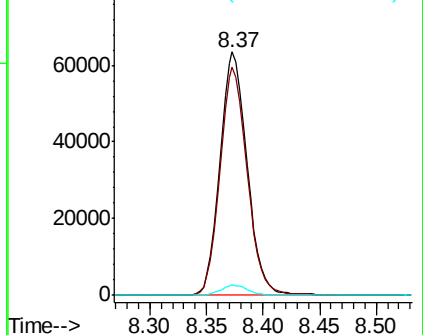
#50
1,2-Dibromoethane
Concen: 49.072 ug/L
RT: 8.37 min Scan# 2265
Delta R.T. 0.00 min
Lab File: VV018087.D
Acq: 24 Aug 2020 15:55

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.7	67.5	125.4
188	4.2	3.4	5.0

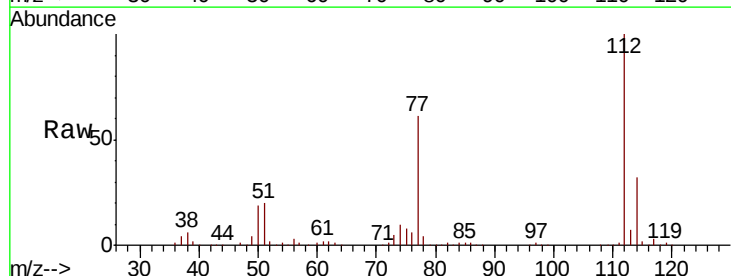


Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V

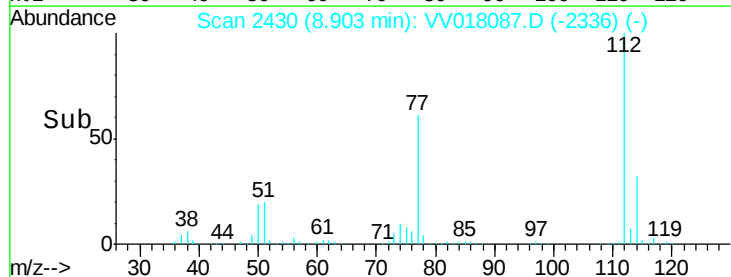
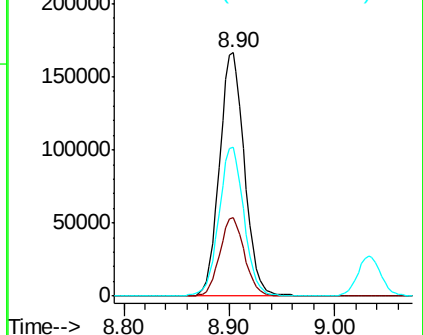


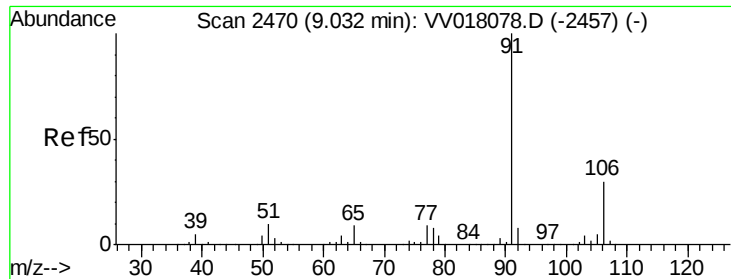
#51
Chlorobenzene
Concen: 49.096 ug/L
RT: 8.90 min Scan# 2430
Delta R.T. 0.00 min
Lab File: VV018087.D
Acq: 24 Aug 2020 15:55

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.0	22.7	42.3
77	61.1	49.4	74.2



Abundance Ion 112.00 (111.70 to 112.70): V
Ion 114.00 (113.70 to 114.70): V
Ion 77.00 (76.70 to 77.70): V





#52

Ethylbenzene

Concen: 49.691 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. 0.00 min

Lab File: VV018087.D

Acq: 24 Aug 2020 15:55

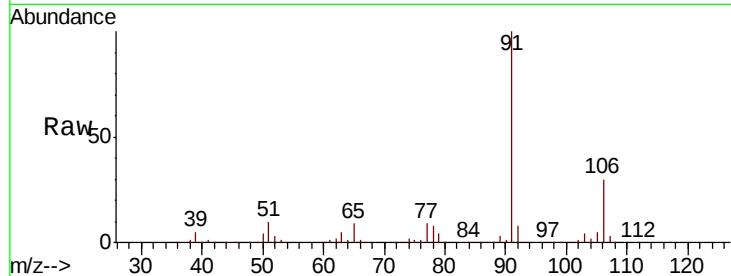
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 468263

Ion Ratio Lower Upper

91 100

106 30.3 21.1 39.3



Abundance Ion 91.00 (90.70 to 91.70): VV018087.D (-2457) (-)

Ion 106.00 (105.70 to 106.70): VV018087.D (-2457) (-)

9.03

300000

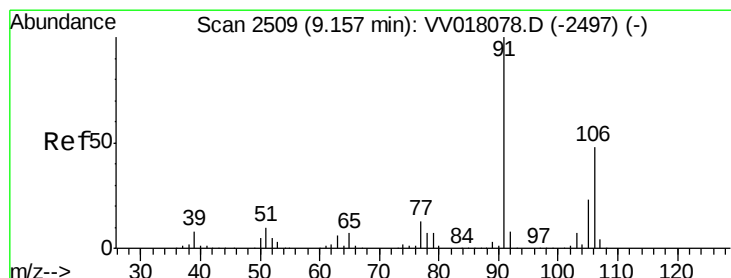
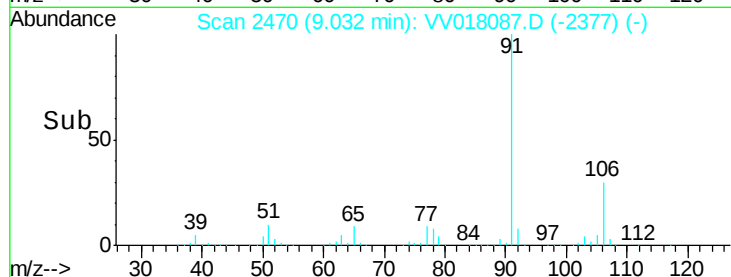
200000

100000

0

Time-->

8.95 9.00 9.05 9.10 9.15



#53

m,p-Xylene

Concen: 50.530 ug/L

RT: 9.16 min Scan# 2510

Delta R.T. 0.00 min

Lab File: VV018087.D

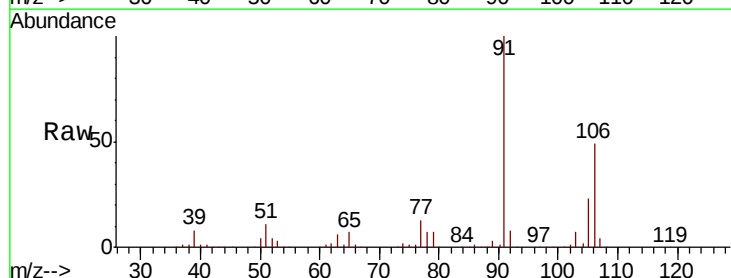
Acq: 24 Aug 2020 15:55

Tgt Ion: 106 Resp: 175135

Ion Ratio Lower Upper

106 100

91 205.5 147.3 273.6



Abundance Ion 106.00 (105.70 to 106.70): VV018087.D (-2497) (-)

Ion 91.00 (90.70 to 91.70): VV018087.D (-2497) (-)

9.16

250000

200000

150000

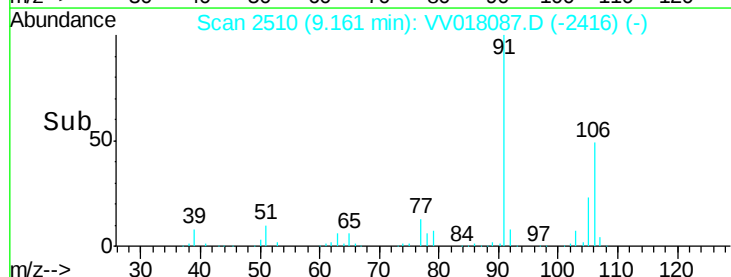
100000

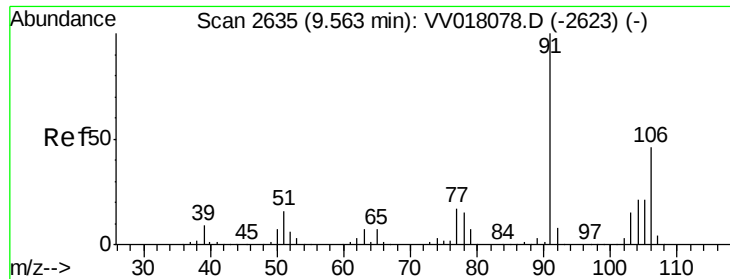
50000

0

Time-->

9.10 9.15 9.20 9.25





#54

o-xylene

Concen: 49.575 ug/L

RT: 9.57 min Scan# 2636

Delta R.T. 0.00 min

Lab File: VV018087.D

Acq: 24 Aug 2020 15:55

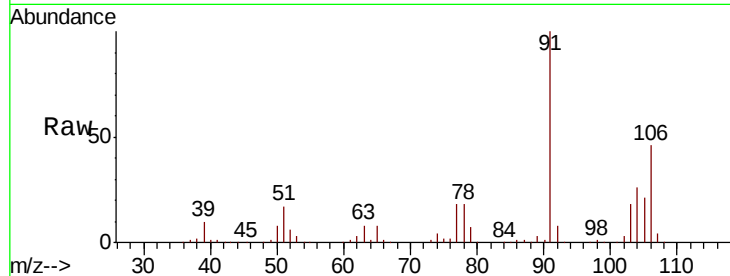
Instrument :
MSVOA_V
ClientSampled :

Tot Ion:106 Resp: 169800

Ion Ratio Lower Upper

106 100

91 219.0 156.0 289.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0

250000

200000

150000

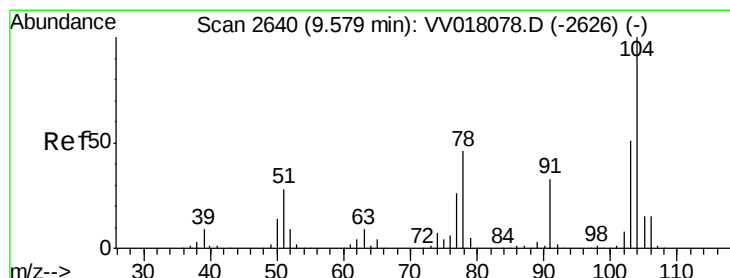
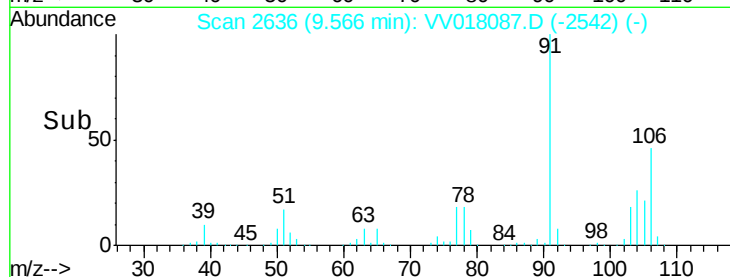
100000

50000

0

9.50 9.55 9.60 9.65

Time-->



#55

Styrene

Concen: 52.384 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. 0.00 min

Lab File: VV018087.D

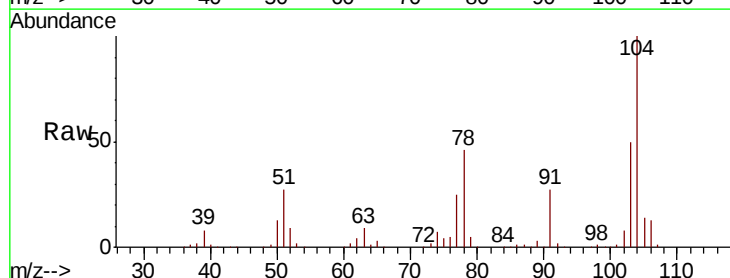
Acq: 24 Aug 2020 15:55

Tgt Ion:104 Resp: 307260

Ion Ratio Lower Upper

104 100

78 45.5 32.2 59.8



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0

200000

150000

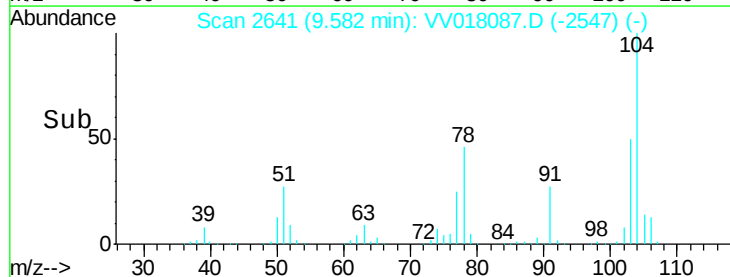
100000

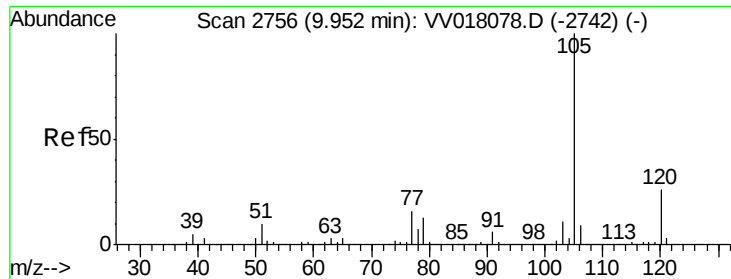
50000

0

9.50 9.55 9.60 9.65

Time-->





#56

Isopropylbenzene

Concen: 51.313 ug/L

RT: 9.95 min Scan# 2756

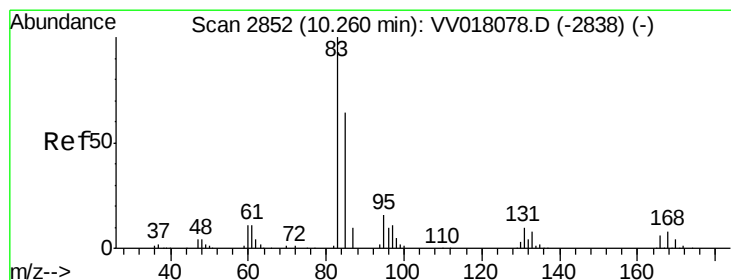
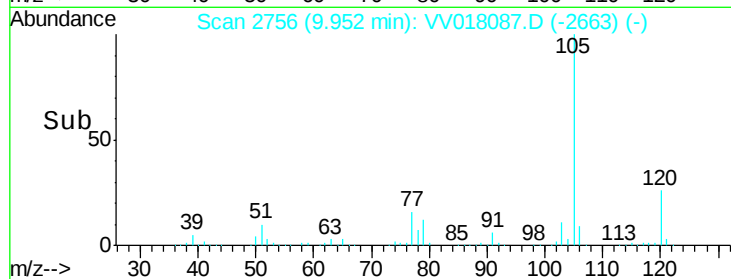
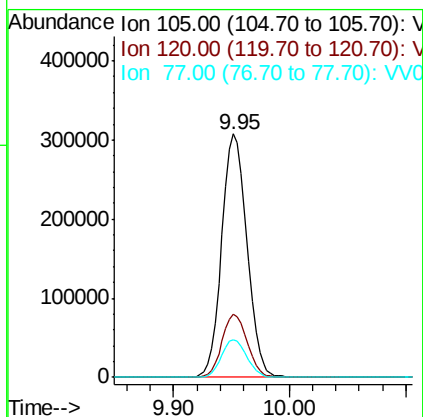
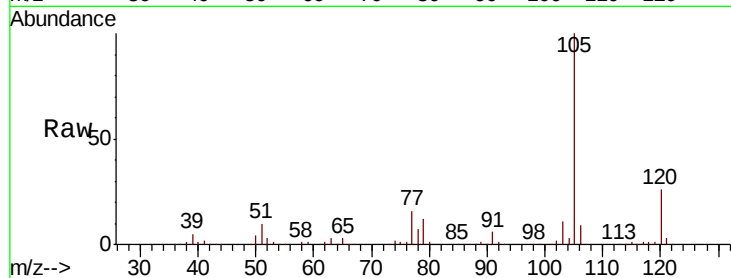
Delta R.T. 0.00 min

Lab File: VV018087.D

Acq: 24 Aug 2020 15:55

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:	105	Resp:	463654
Ion	Ratio	Lower	Upper
105	100		
120	25.9	20.6	31.0
77	15.6	13.1	19.7



#58

1,1,2,2-Tetrachloroethane

Concen: 48.568 ug/L

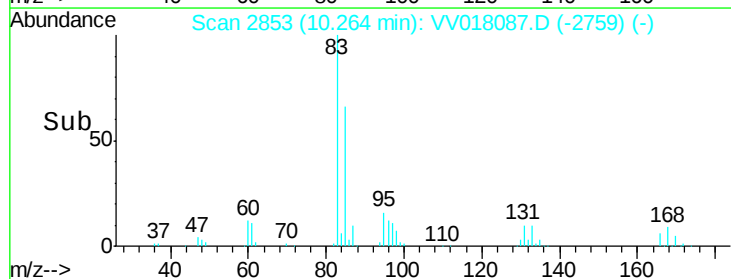
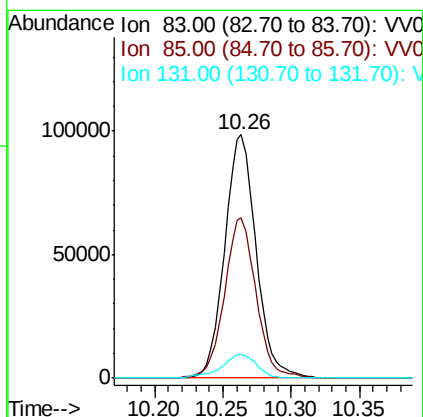
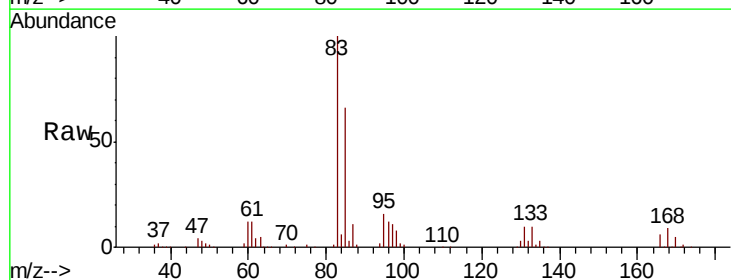
RT: 10.26 min Scan# 2853

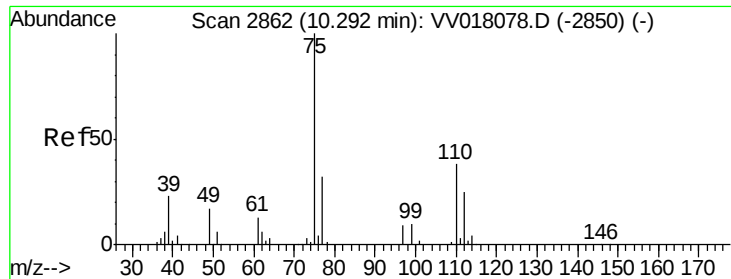
Delta R.T. 0.00 min

Lab File: VV018087.D

Acq: 24 Aug 2020 15:55

Tgt Ion:	83	Resp:	158200
Ion	Ratio	Lower	Upper
83	100		
85	65.9	45.1	83.7
131	9.8	7.8	11.6





#59

1,2,3-Trichloropropane

Concen: 48.004 ug/L

RT: 10.30 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VV018087.D

Acq: 24 Aug 2020 15:55

Instrument :

MSVOA_V

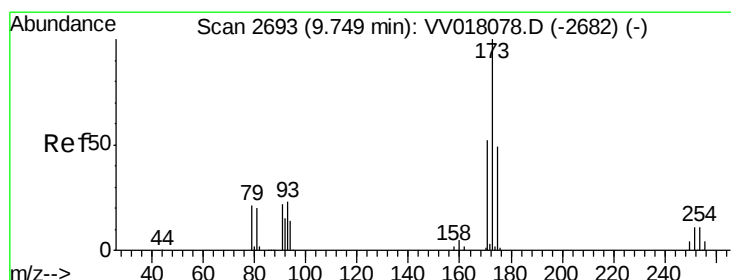
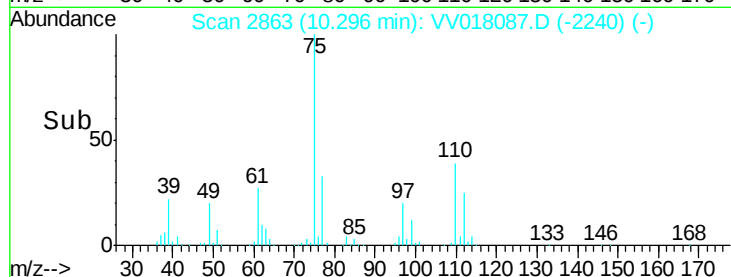
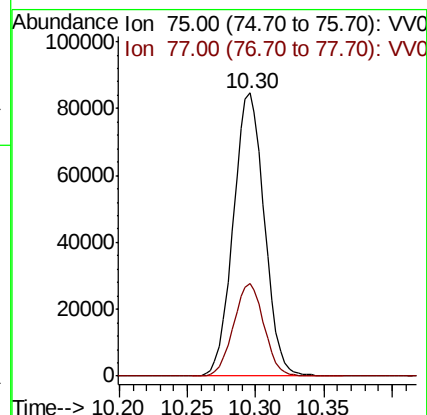
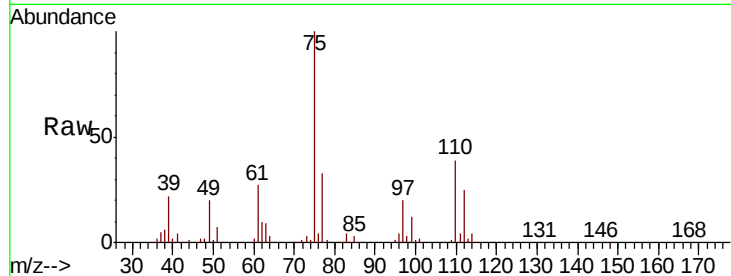
ClientSampleId :

Tot Ion: 75 Resp: 133909

Ion Ratio Lower Upper

75 100

77 32.1 25.7 38.5



#61

Bromoform

Concen: 58.448 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VV018087.D

Acq: 24 Aug 2020 15:55

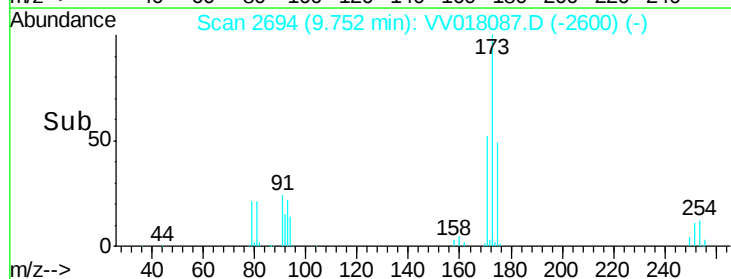
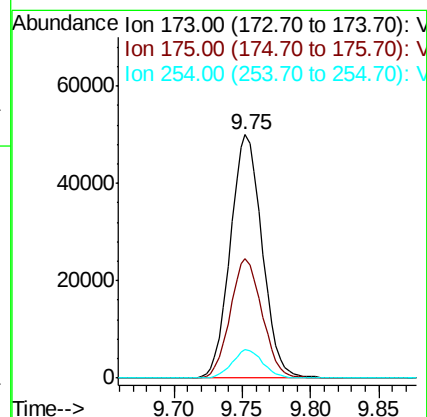
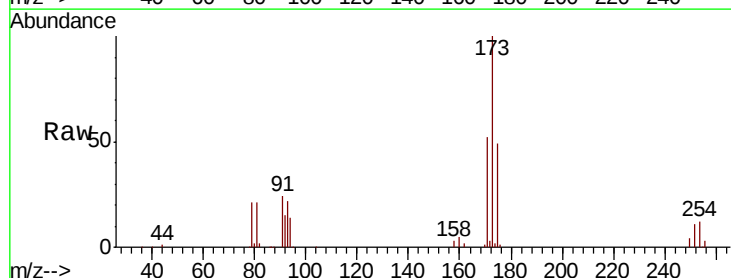
Tgt Ion: 173 Resp: 81249

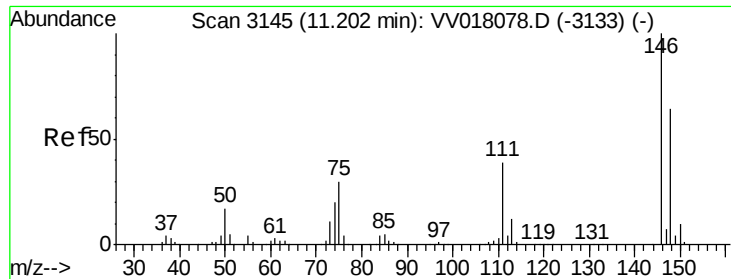
Ion Ratio Lower Upper

173 100

175 49.2 38.6 57.8

254 11.2 8.4 12.6





#62

1,3-Dichlorobenzene

Concen: 48.971 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. 0.00 min

Lab File: VV018087.D

Acq: 24 Aug 2020 15:55

Instrument :

MSVOA_V

ClientSampleId :

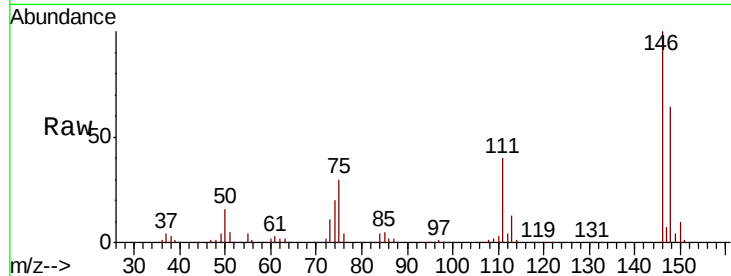
Tot Ion:146 Resp: 228780

Ion Ratio Lower Upper

146 100

111 39.7 28.8 53.4

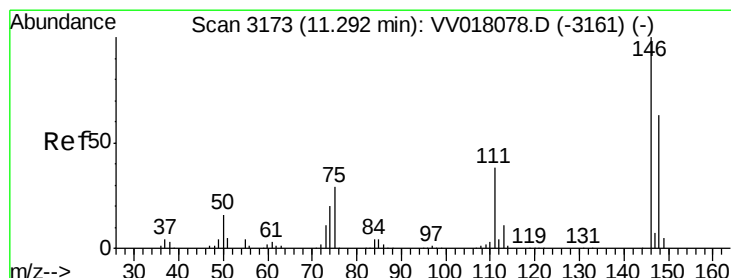
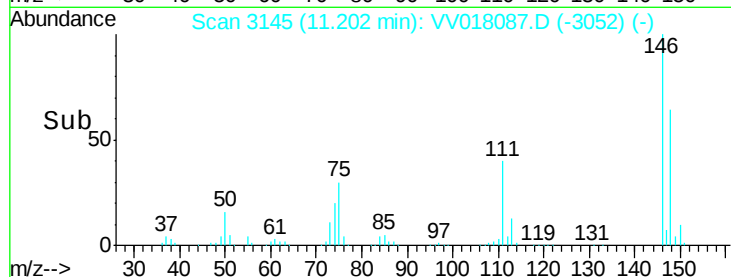
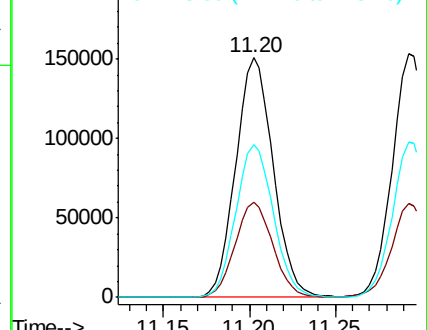
148 63.7 44.9 83.5



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 48.643 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. 0.00 min

Lab File: VV018087.D

Acq: 24 Aug 2020 15:55

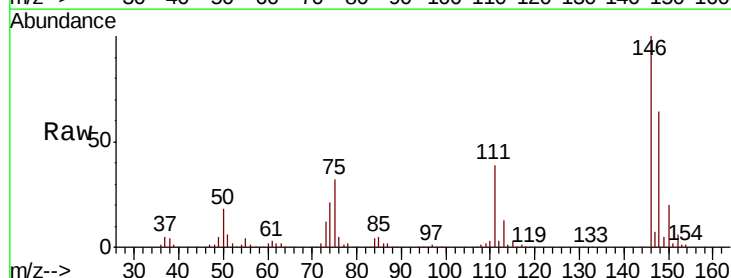
Tgt Ion:146 Resp: 233448

Ion Ratio Lower Upper

146 100

111 38.6 28.0 52.0

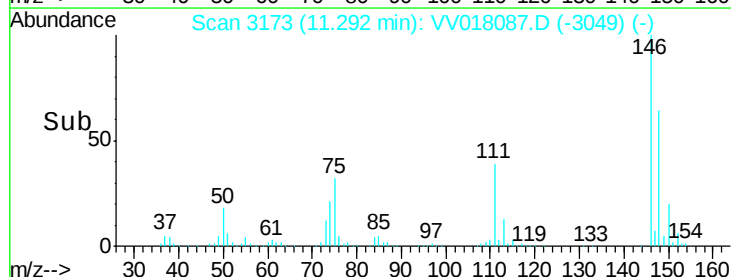
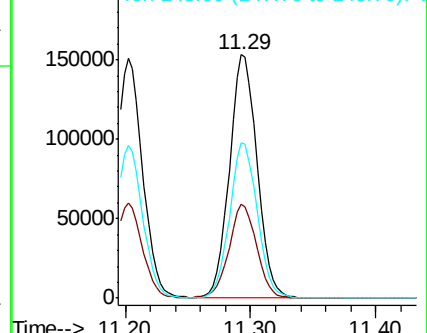
148 64.0 44.2 82.2

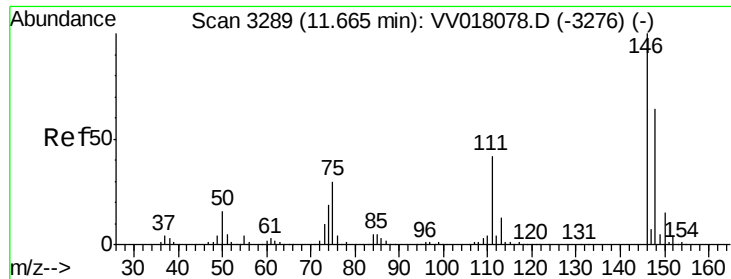


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 47.769 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. 0.00 min

Lab File: VV018087.D

Acq: 24 Aug 2020 15:55

Instrument :

MSVOA_V

ClientSampleId :

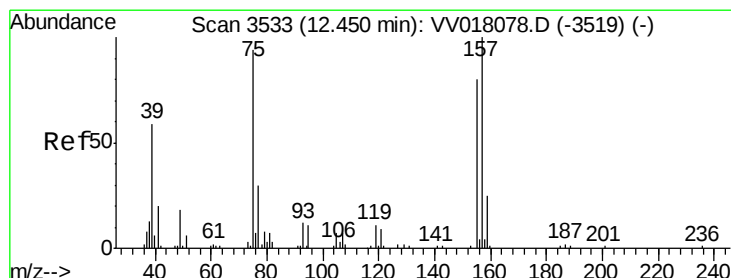
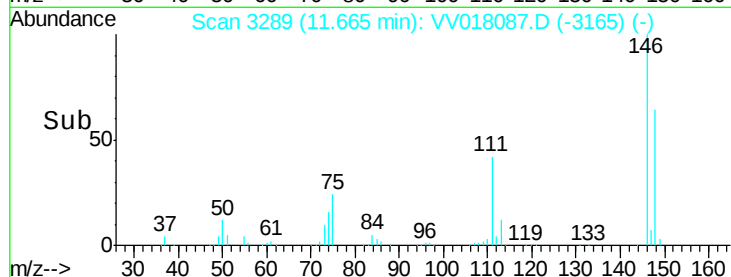
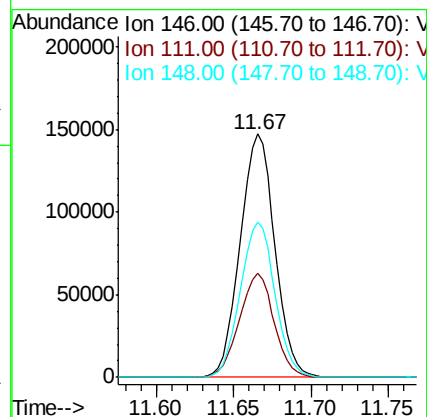
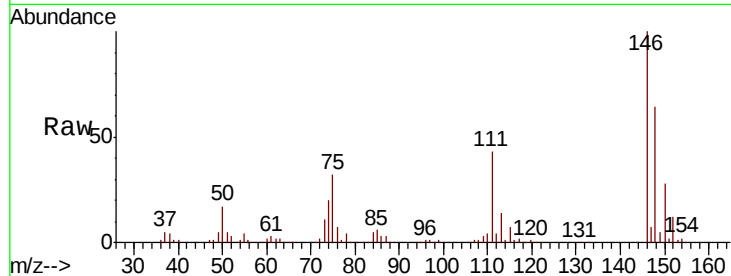
Tot Ion:146 Resp: 229700

Ion Ratio Lower Upper

146 100

111 42.6 34.2 51.4

148 63.8 50.6 76.0



#66

1,2-Dibromo-3-chloropropane

Concen: 48.536 ug/L

RT: 12.45 min Scan# 3533

Delta R.T. 0.00 min

Lab File: VV018087.D

Acq: 24 Aug 2020 15:55

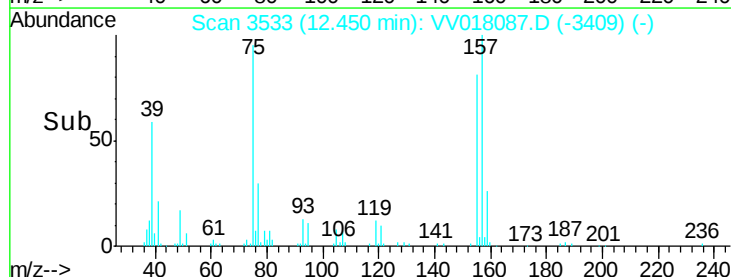
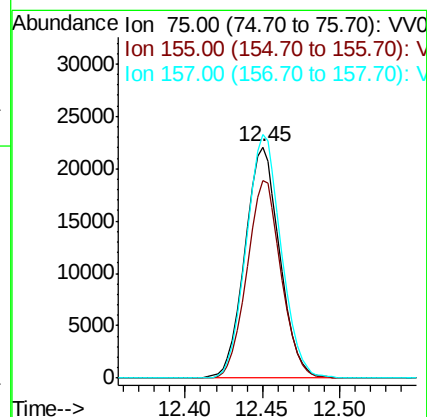
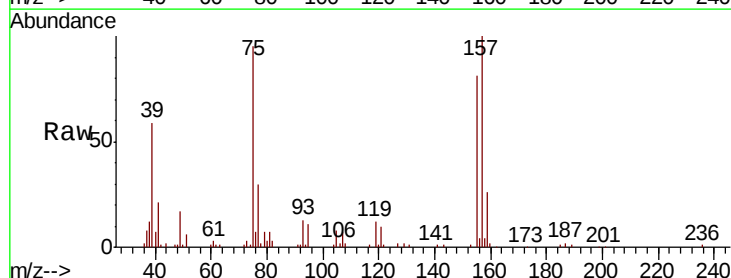
Tgt Ion: 75 Resp: 34387

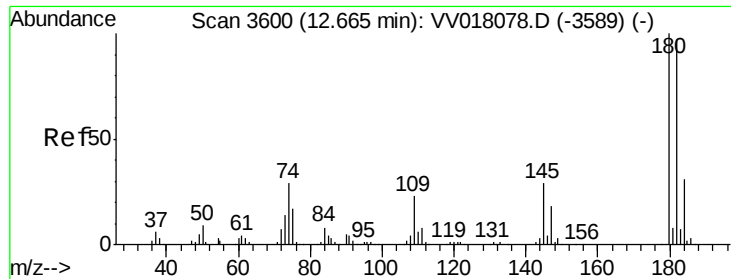
Ion Ratio Lower Upper

75 100

155 85.6 67.6 101.4

157 105.5 84.3 126.5

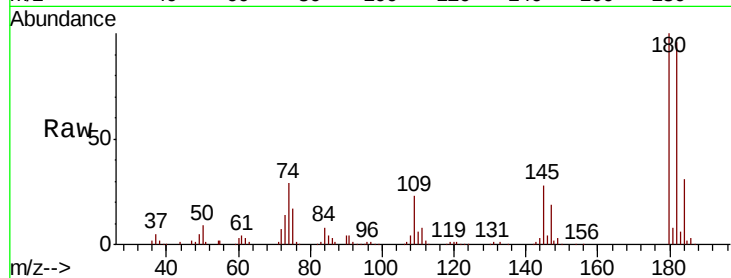




#67
 1,3,5-Trichlorobenzene
 Concen: 50.623 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. 0.00 min
 Lab File: VV018087.D
 Acq: 24 Aug 2020 15:55

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.9	77.2	115.8
184	30.5	24.6	36.8
145	28.6	23.5	35.3

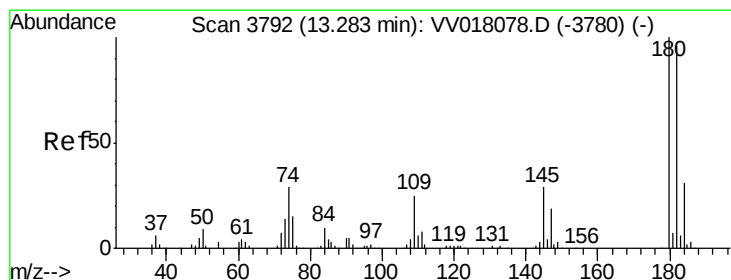
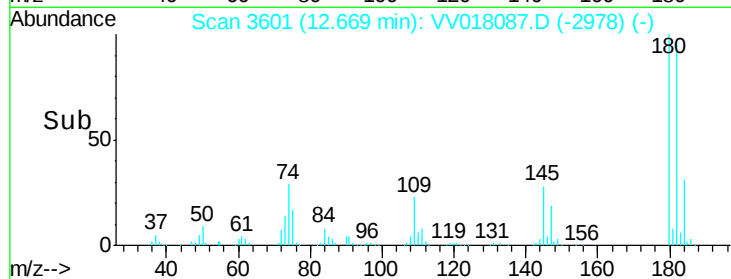
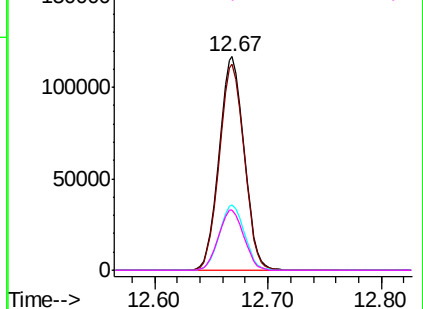


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

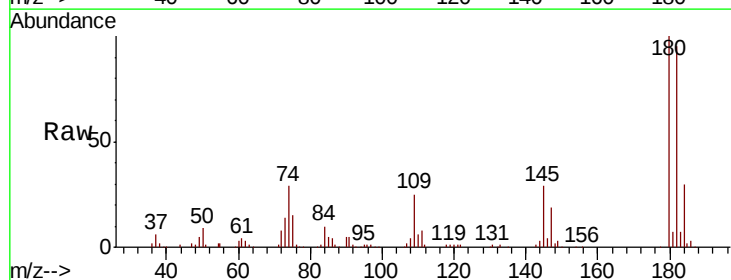
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 52.552 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. 0.00 min
 Lab File: VV018087.D
 Acq: 24 Aug 2020 15:55

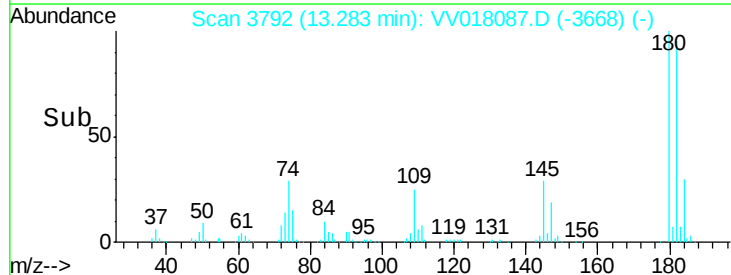
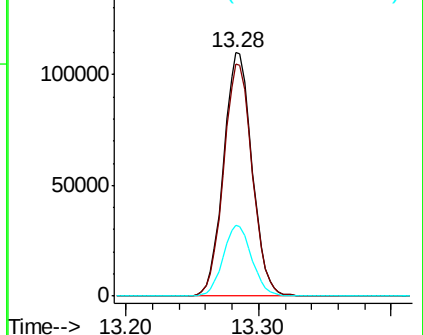
Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.8	76.4	114.6
145	29.2	24.0	36.0

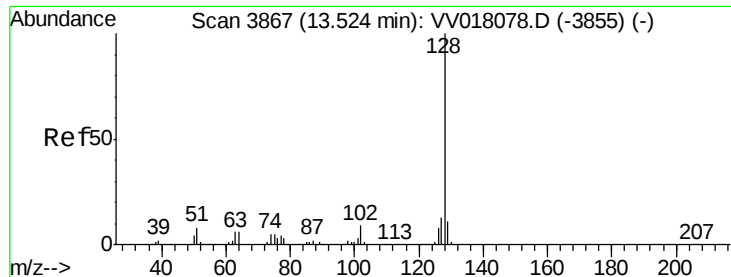


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 52.542 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. 0.00 min

Lab File: VV018087.D

Acq: 24 Aug 2020 15:55

Instrument :

MSVOA_V

ClientSampleId :

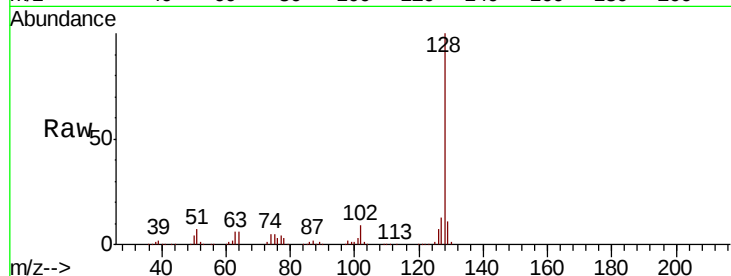
Tot Ion:128 Resp: 451864

Ion Ratio Lower Upper

128 100

127 13.0 10.6 15.8

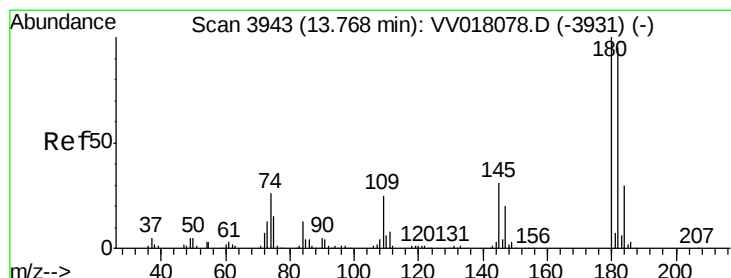
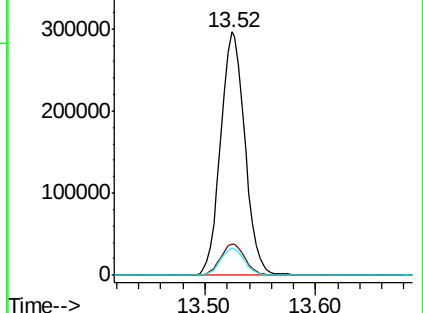
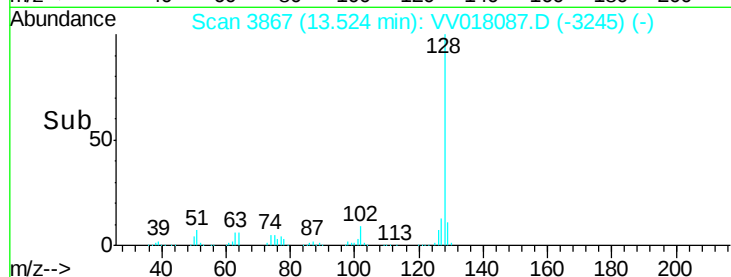
129 10.9 8.7 13.1



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: 53.487 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. 0.00 min

Lab File: VV018087.D

Acq: 24 Aug 2020 15:55

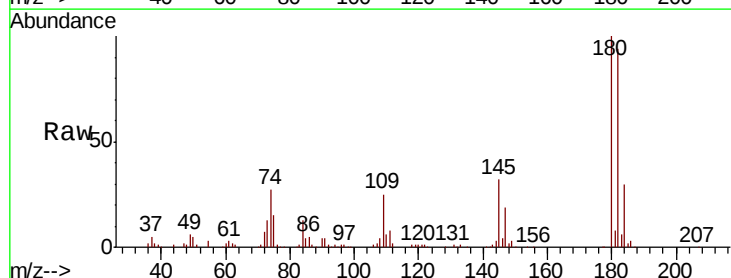
Tgt Ion:180 Resp: 169718

Ion Ratio Lower Upper

180 100

182 95.6 76.5 114.7

145 32.0 26.0 39.0



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

