

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV090320\
 Data File : VV018150.D
 Acq On : 03 Sep 2020 12:20
 Operator : SY/MD
 Sample : K4649-07MS
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 A5169MS

Quant Time: Sep 04 02:18:57 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVLM080619W.M
 Quant Title : VOC Analysis
 QLast Update : Fri Sep 04 02:12:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	242168	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	240938	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.27	152	134672	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	65403	49.41	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	98.82%
7) Chloroethane-d5	1.58	69	63977	68.09	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	136.18%#
11) 1,1-Dichloroethene-d2	2.12	63	148355	64.64	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	129.28%#
21) 2-Butanone-d5	3.92	46	138652	143.75	ug/L	0.01
Spiked Amount	100.000	Range	40 - 130	Recovery	=	143.75%#
24) Chloroform-d	4.38	84	162910	49.05	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.10%
26) 1,2-Dichloroethane-d4	5.06	65	106853	50.08	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.16%
32) Benzene-d6	5.08	84	301952	43.55	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.10%
36) 1,2-Dichloropropane-d6	6.09	67	103104	51.33	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	102.66%
41) Toluene-d8	7.34	98	273193	40.87	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	81.74%
43) trans-1,3-Dichloropropene-	7.64	79	51653	45.23	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.46%
47) 2-Hexanone-d5	8.11	63	80068	95.99	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	95.99%
56) 1,1,2,2-Tetrachloroethane-	10.24	84	151096	53.38	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	106.76%
66) 1,2-Dichlorobenzene-d4	11.65	152	127636	40.30	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	80.60%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	78166	45.699	ug/L	97
3) Chloromethane	1.25	50	92190	75.906	ug/L	97
5) Vinyl chloride	1.32	62	95907	81.810	ug/L	98
6) Bromomethane	1.53	94	60998	89.624	ug/L	98
8) Chloroethane	1.60	64	64762	105.482	ug/L	99
9) Trichlorofluoromethane	1.77	101	144280	75.695	ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	84290	90.210	ug/L	90
12) 1,1-Dichloroethene	2.13	96	77783	88.405	ug/L	92
13) Acetone	2.20	43	142918	217.322	ug/L	95
14) Carbon disulfide	2.31	76	187492	63.059	ug/L	100
15) Methyl Acetate	2.45	43	112170	97.483	ug/L	92
16) Methylene chloride	2.52	84	100972	75.637	ug/L	88
17) trans-1,2-Dichloroethene	2.78	96	82427	66.346	ug/L	90
18) Methyl tert-butyl Ether	2.78	73	314284	73.620	ug/L	97
19) 1,1-Dichloroethane	3.21	63	176638	77.964	ug/L	98
20) cis-1,2-Dichloroethene	3.94	96	99524	68.011	ug/L	81
22) 2-Butanone	4.00	43	172035	202.984	ug/L	90

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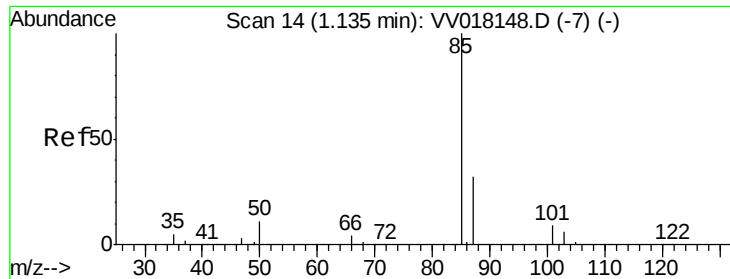
Instrument :
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

23) Bromochloromethane	4.28	128	54054	67.175	ug/L #	78
25) Chloroform	4.40	83	184422	71.812	ug/L	100
27) 1,2-Dichloroethane	5.16	62	146554	73.423	ug/L	99
29) Cyclohexane	4.71	56	130755	64.900	ug/L	91
30) 1,1,1-Trichloroethane	4.63	97	150888	58.954	ug/L	97
31) Carbon tetrachloride	4.86	117	127444	53.675	ug/L	97
33) Benzene	5.13	78	379246	68.379	ug/L	100
34) Trichloroethene	5.94	95	99225	64.366	ug/L	93
35) Methylcyclohexane	6.16	83	131460	57.294	ug/L	91
37) 1,2-Dichloropropane	6.20	63	107319	79.331	ug/L	97
38) Bromodichloromethane	6.53	83	141372	66.429	ug/L	99
39) cis-1,3-Dichloropropene	7.05	75	165016	69.187	ug/L	99
40) 4-Methyl-2-pentanone	7.25	43	302584	173.788	ug/L	96
42) Toluene	7.41	91	405493	65.798	ug/L	99
44) trans-1,3-Dichloropropene	7.67	75	164432	73.034	ug/L	99
45) 1,1,2-Trichloroethane	7.86	97	105170	72.120	ug/L	96
46) Tetrachloroethene	8.00	164	75102	52.288	ug/L	97
48) 2-Hexanone	8.16	43	247055	188.211	ug/L	97
49) Dibromochloromethane	8.27	129	114738	60.633	ug/L	99
50) 1,2-Dibromoethane	8.37	107	107810	66.849	ug/L #	98
51) Chlorobenzene	8.90	112	265972	64.013	ug/L	96
52) Ethylbenzene	9.03	91	442870	64.046	ug/L	97
53) m,p-Xylene	9.16	106	169913	63.697	ug/L	95
54) o-Xylene	9.57	106	165516	62.529	ug/L	98
55) Styrene	9.58	104	299803	67.234	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.26	83	164425	73.322	ug/L	99
59) Bromoform	9.75	173	87062	55.113	ug/L	99
60) Isopropylbenzene	9.95	105	442796	60.062	ug/L	98
61) 1,2,3-Trichloropropane	10.30	75	139944	76.526	ug/L	96
62) 1,3,5-Trimethylbenzene	10.56	105	374321	58.732	ug/L	99
63) 1,2,4-Trimethylbenzene	10.94	105	385080	61.217	ug/L	98
64) 1,3-Dichlorobenzene	11.20	146	224120	60.251	ug/L	97
65) 1,4-Dichlorobenzene	11.30	146	230944	61.422	ug/L	99
67) 1,2-Dichlorobenzene	11.67	146	230962	60.854	ug/L	97
68) 1,2-Dibromo-3-chloropropan	12.45	75	36695	60.886	ug/L	83
69) 1,3,5-Trichlorobenzene	12.67	180	176751	58.616	ug/L	99
70) 1,2,4-trichlorobenzene	13.29	180	167257	63.972	ug/L	99
71) Naphthalene	13.52	128	470778	71.044	ug/L	100
72) 1,2,3-Trichlorobenzene	13.77	180	171454	65.165	ug/L	100

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



#2

Dichlorodifluoromethane

Concen: 45.699 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV018150.D

Acq: 03 Sep 2020 12:20

Instrument :

MSVOA_V

ClientSampleId :

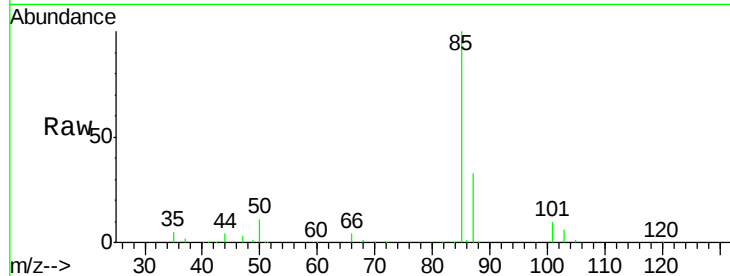
A5169MS

Tot Ion: 85 Resp: 78166

Ion Ratio Lower Upper

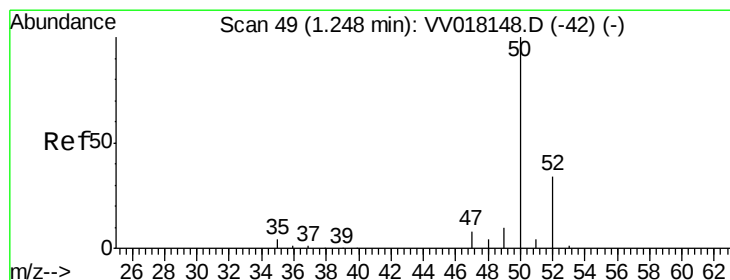
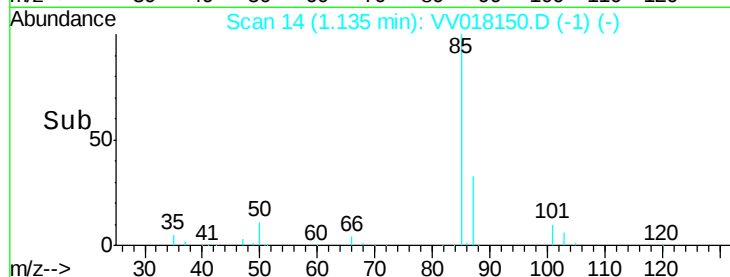
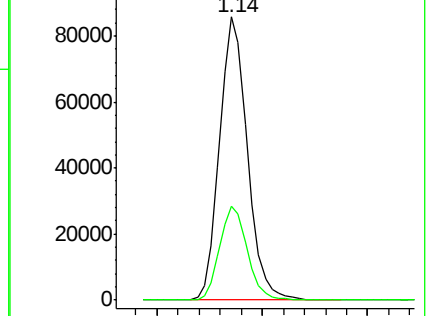
85 100

87 33.1 25.3 37.9



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 75.906 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV018150.D

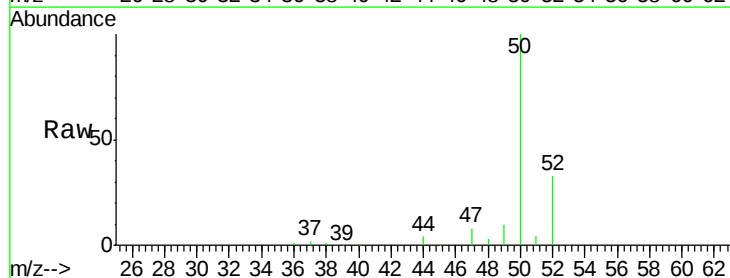
Acq: 03 Sep 2020 12:20

Tgt Ion: 50 Resp: 92190

Ion Ratio Lower Upper

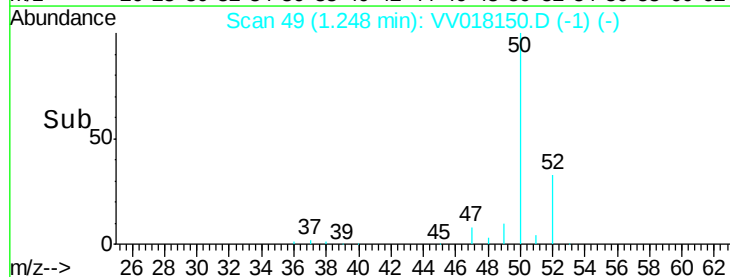
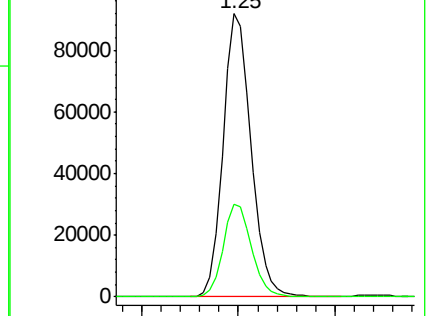
50 100

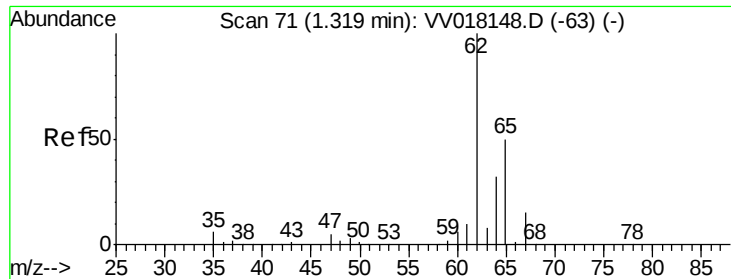
52 32.6 23.9 44.3



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0





#5

Vinyl chloride

Concen: 81.810 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV018150.D

Acq: 03 Sep 2020 12:20

Instrument :

MSVOA_V

ClientSampled :

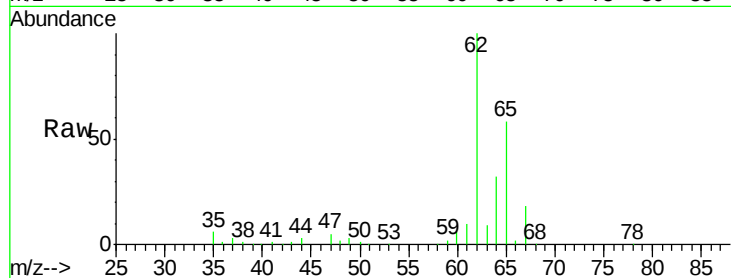
A5169MS

Tot Ion: 62 Resp: 95907

Ion Ratio Lower Upper

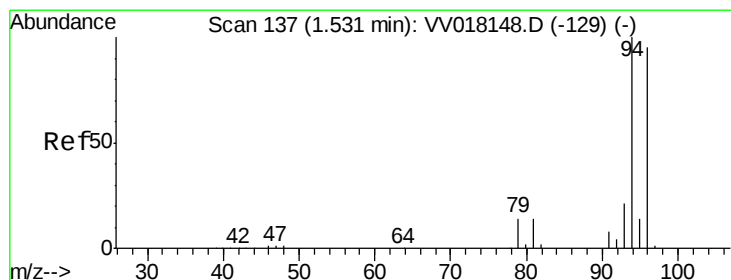
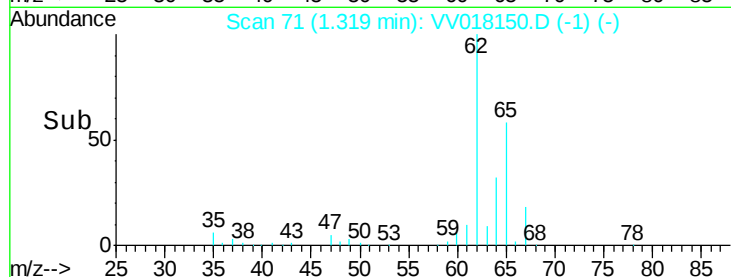
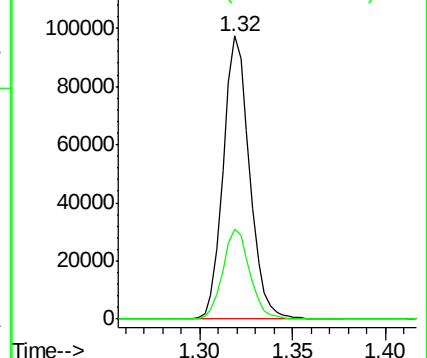
62 100

64 32.0 23.0 42.8



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#6

Bromomethane

Concen: 89.624 ug/L

RT: 1.53 min Scan# 137

Delta R.T. -0.00 min

Lab File: VV018150.D

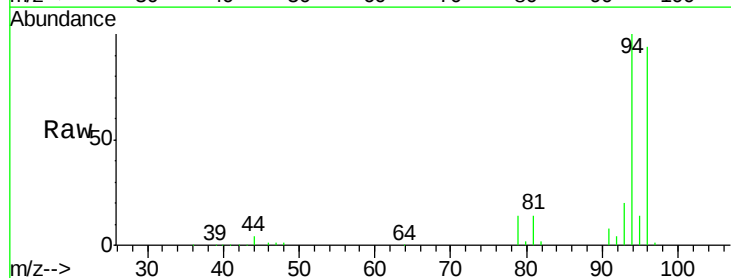
Acq: 03 Sep 2020 12:20

Tgt Ion: 94 Resp: 60998

Ion Ratio Lower Upper

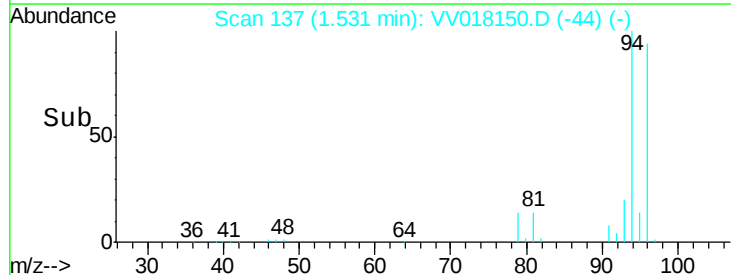
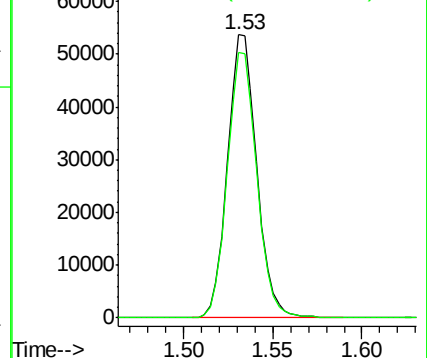
94 100

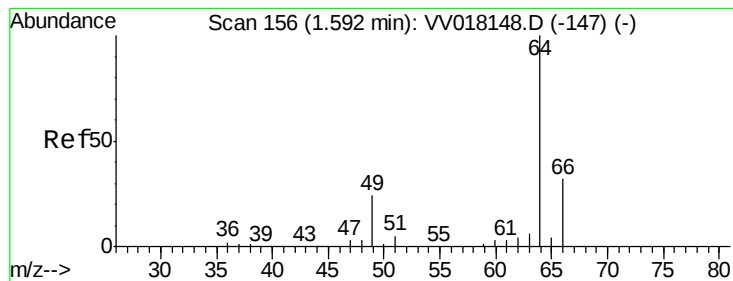
96 93.6 66.8 124.0



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 105.482 ug/L

RT: 1.60 min Scan# 157

Delta R.T. 0.00 min

Lab File: VV018150.D

Acq: 03 Sep 2020 12:20

Instrument :

MSVOA_V

ClientSampleId :

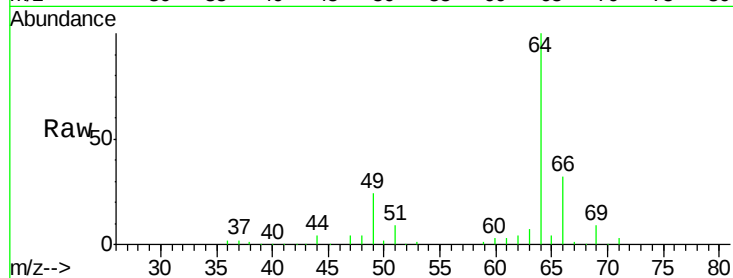
A5169MS

Tot Ion: 64 Resp: 64762

Ion Ratio Lower Upper

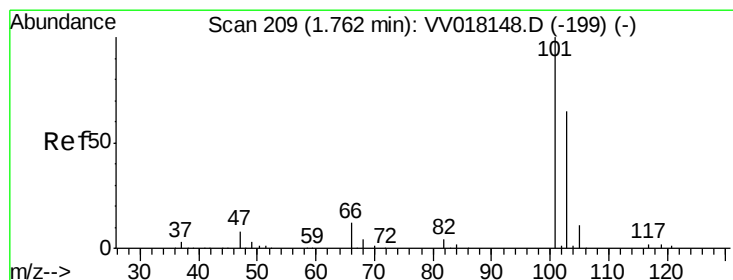
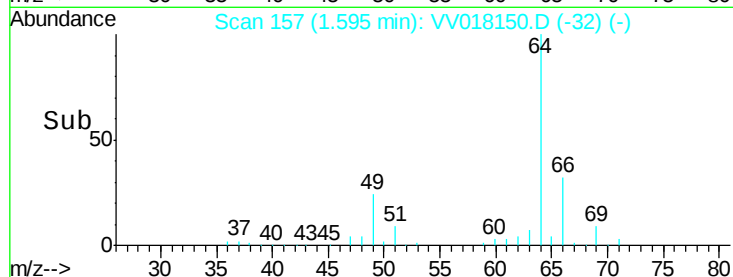
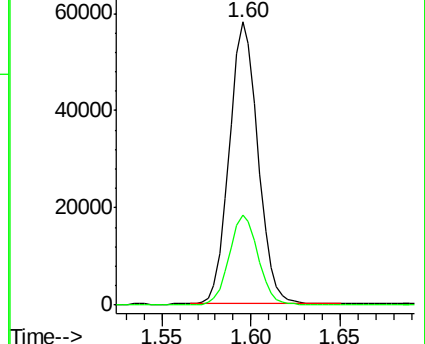
64 100

66 31.8 22.6 42.0



Abundance Ion 64.00 (63.70 to 64.70): VV0

Ion 66.00 (65.70 to 66.70): VV0



#9

Trichlorofluoromethane

Concen: 75.695 ug/L

RT: 1.77 min Scan# 210

Delta R.T. 0.00 min

Lab File: VV018150.D

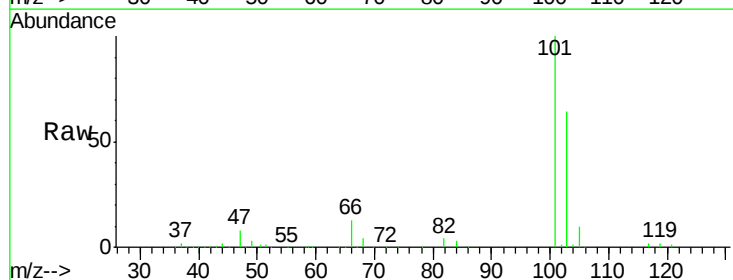
Acq: 03 Sep 2020 12:20

Tgt Ion: 101 Resp: 144280

Ion Ratio Lower Upper

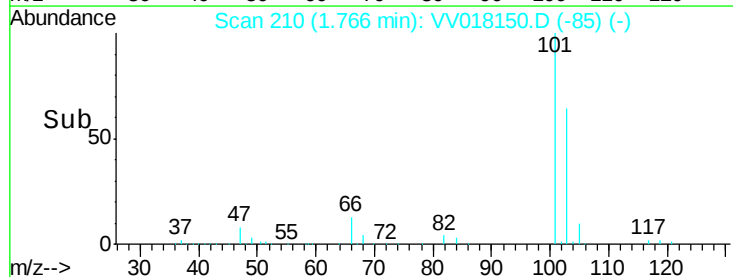
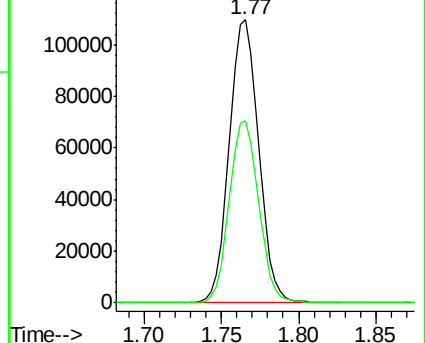
101 100

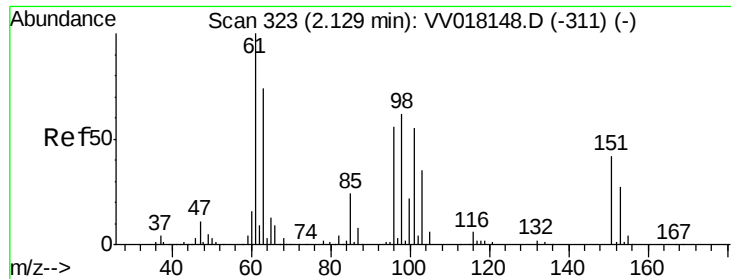
103 64.2 52.5 78.7



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V





#10

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

Concen: 90.210 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV018150.D

Acq: 03 Sep 2020 12:20

Instrument :

MSVOA_V

ClientSampleId :

A5169MS

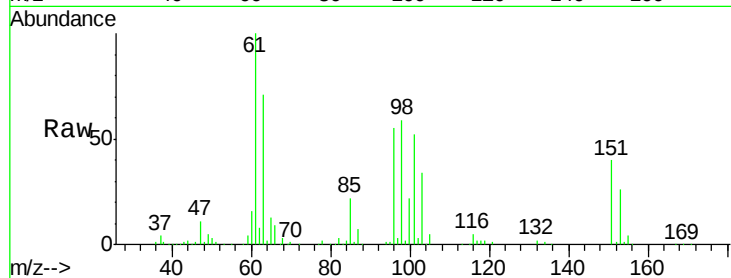
Tot Ion:101 Resp: 84290

Ion Ratio Lower Upper

101 100

85 42.3 34.4 51.6

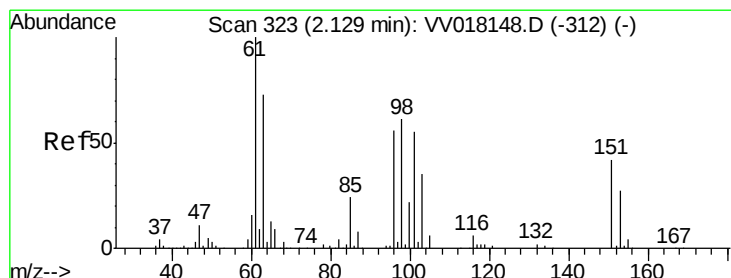
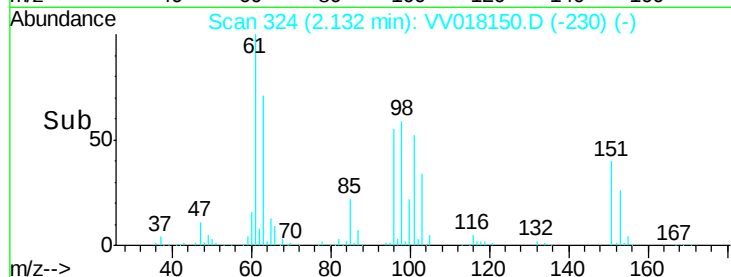
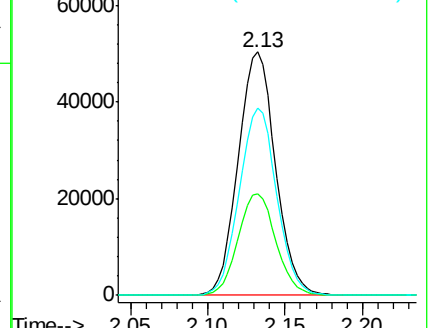
151 77.4 72.2 108.2



Abundance Ion 101.00 (100.70 to 101.70): VV018150.D (-230) (-)

Ion 85.00 (84.70 to 85.70): VV018150.D (-230) (-)

Ion 151.00 (150.70 to 151.70): VV018150.D (-230) (-)



#12

1,1-Dichloroethene

Concen: 88.405 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV018150.D

Acq: 03 Sep 2020 12:20

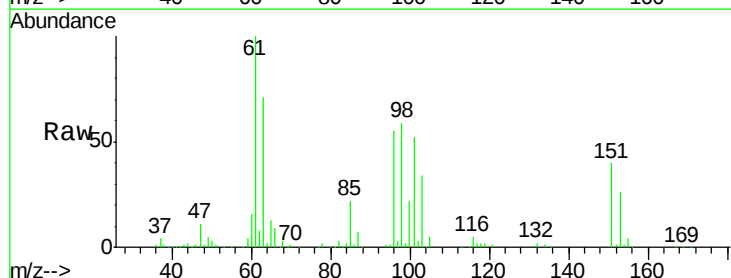
Tgt Ion: 96 Resp: 77783

Ion Ratio Lower Upper

96 100

61 182.8 120.0 223.0

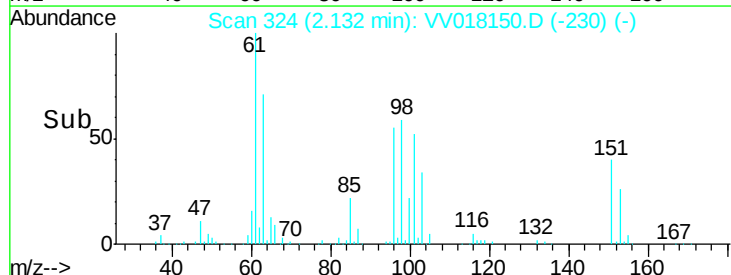
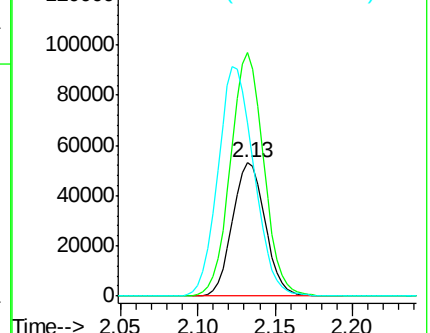
63 130.4 98.3 182.7

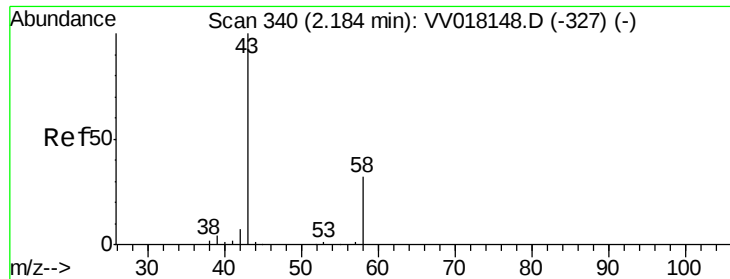


Abundance Ion 96.00 (95.70 to 96.70): VV018150.D (-230) (-)

Ion 61.00 (60.70 to 61.70): VV018150.D (-230) (-)

Ion 63.00 (62.70 to 63.70): VV018150.D (-230) (-)





#13

Acetone

Concen: 217.322 ug/L

RT: 2.20 min Scan# 345

Delta R.T. 0.02 min

Lab File: VV018150.D

Acq: 03 Sep 2020 12:20

Instrument :

MSVOA_V

ClientSampleId :

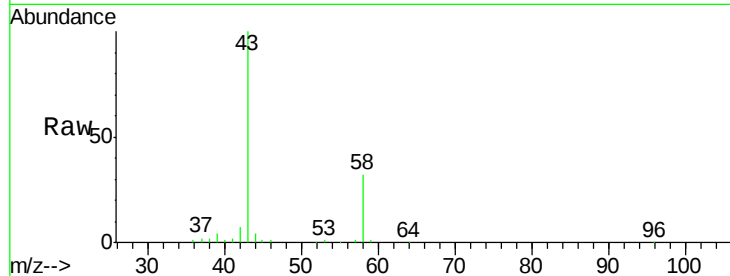
A5169MS

Tot Ion: 43 Resp: 142918

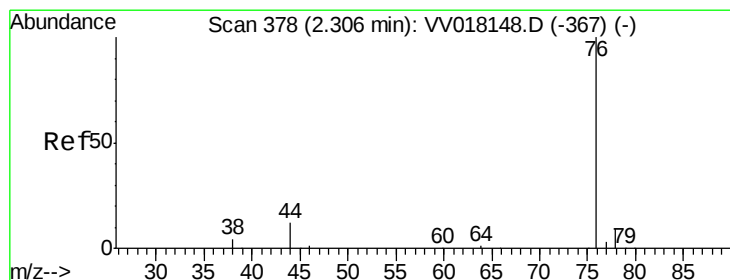
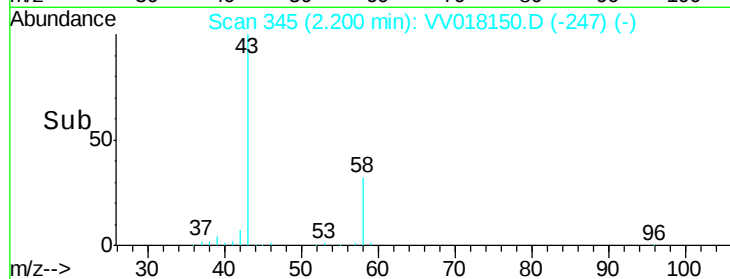
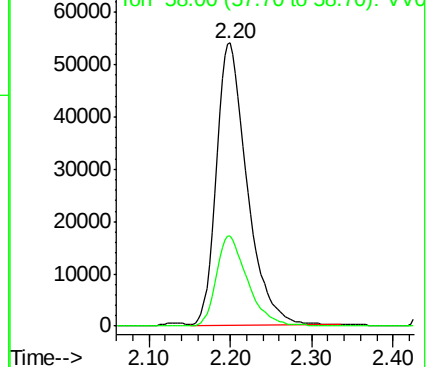
Ion Ratio Lower Upper

43 100

58 32.2 0.0 59.2



Abundance Ion 43.00 (42.70 to 43.70): VV018150.D (-247) (-)



#14

Carbon disulfide

Concen: 63.059 ug/L

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VV018150.D

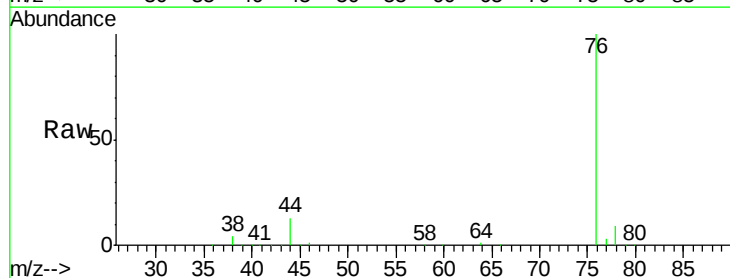
Acq: 03 Sep 2020 12:20

Tgt Ion: 76 Resp: 187492

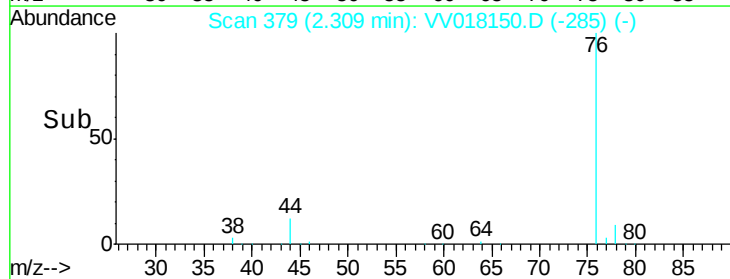
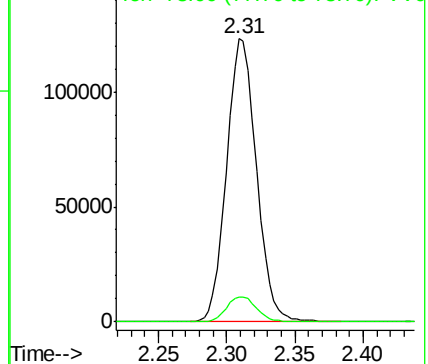
Ion Ratio Lower Upper

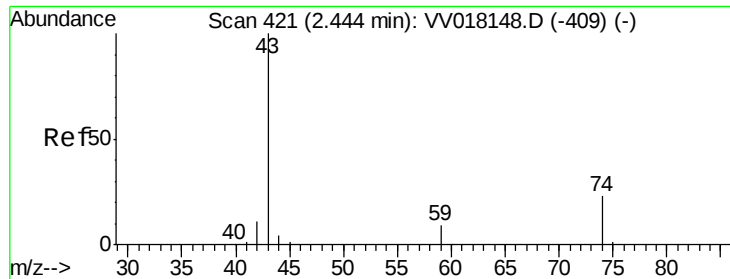
76 100

78 9.0 7.1 10.7



Abundance Ion 76.00 (75.70 to 76.70): VV018150.D (-285) (-)

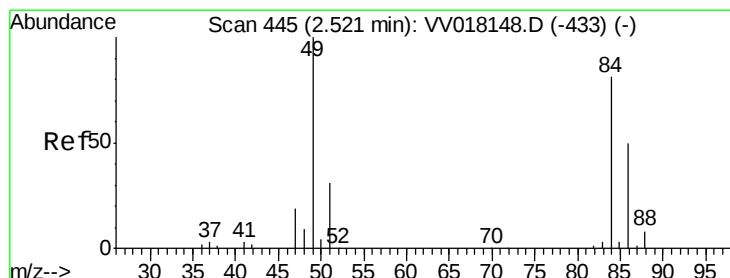
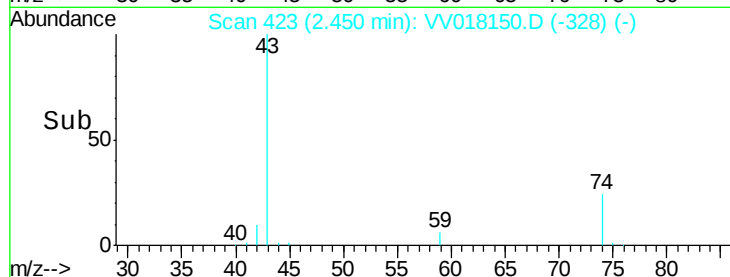
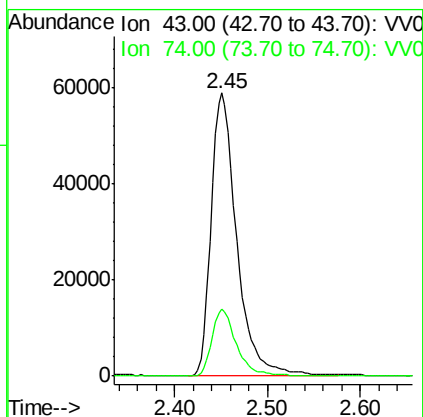
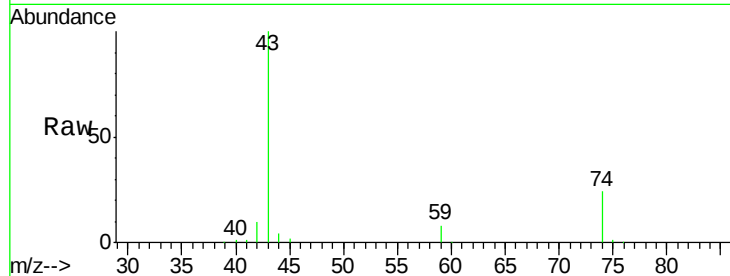




#15
Methvl Acetate
Concen: 97.483 ug/L
RT: 2.45 min Scan# 423
Delta R.T. 0.01 min
Lab File: VV018150.D
Acq: 03 Sep 2020 12:20

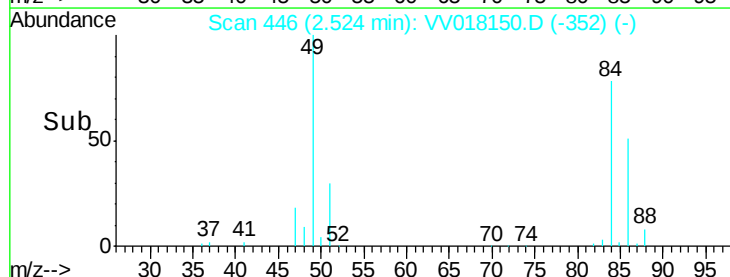
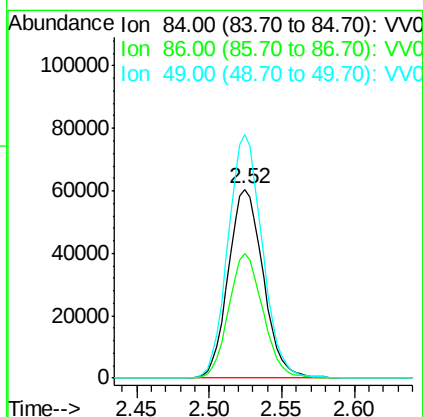
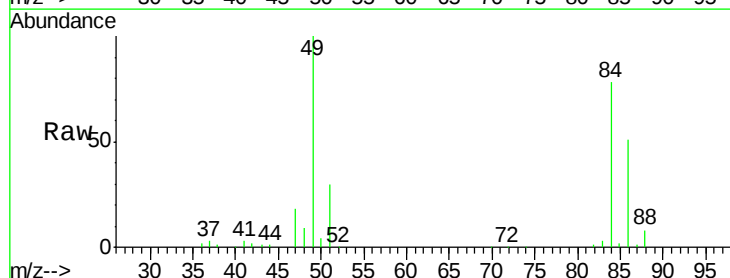
Instrument :
MSVOA_V
ClientSampleId :
A5169MS

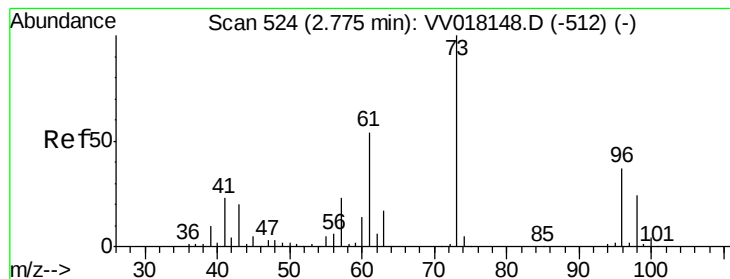
Tot Ion: 43 Resp: 112170
Ion Ratio Lower Upper
43 100
74 22.9 21.8 32.6



#16
Methylene chloride
Concen: 75.637 ug/L
RT: 2.52 min Scan# 446
Delta R.T. 0.00 min
Lab File: VV018150.D
Acq: 03 Sep 2020 12:20

Tgt Ion: 84 Resp: 100972
Ion Ratio Lower Upper
84 100
86 65.9 45.7 84.9
49 128.8 76.6 142.2





#17

trans-1,2-Dichloroethene

Concen: 66.346 ug/L

RT: 2.78 min Scan# 525

Delta R.T. 0.00 min

Lab File: VV018150.D

Acq: 03 Sep 2020 12:20

Instrument :

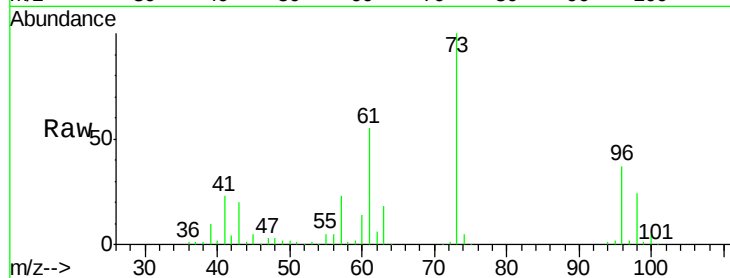
MSVOA_V

ClientSampleId :

A5169MS

Tot Ion: 96 Resp: 82427

Ion	Ratio	Lower	Upper
96	100		
61	146.7	90.6	168.3
98	64.2	44.2	82.2

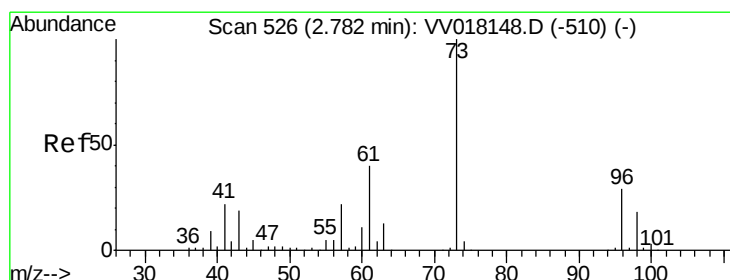
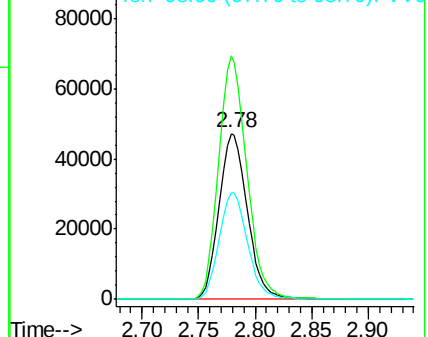
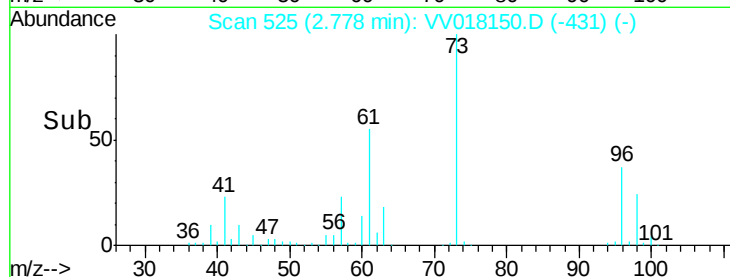


Abundance

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: 73.620 ug/L

RT: 2.78 min Scan# 527

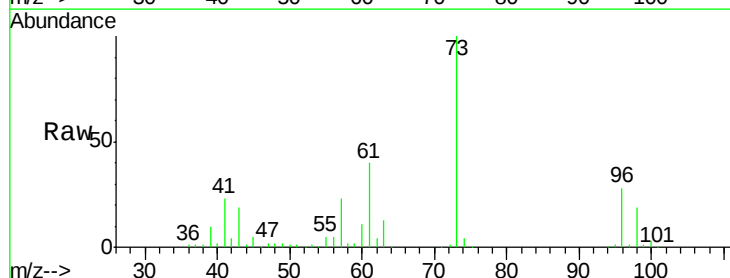
Delta R.T. 0.00 min

Lab File: VV018150.D

Acq: 03 Sep 2020 12:20

Tgt Ion: 73 Resp: 314284

Ion	Ratio	Lower	Upper
73	100		
43	19.2	15.6	23.4
57	22.8	16.0	24.0

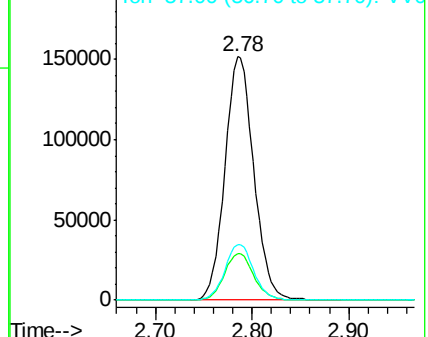
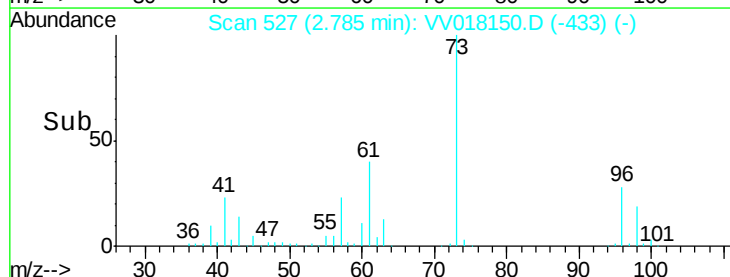


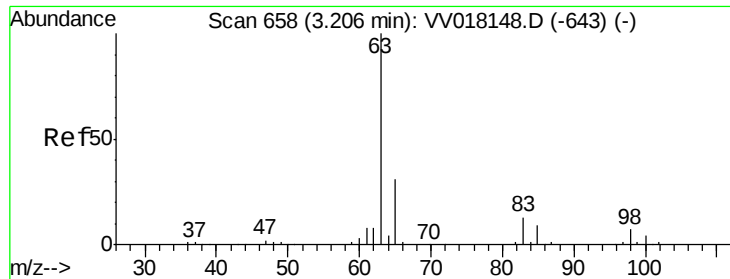
Abundance

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

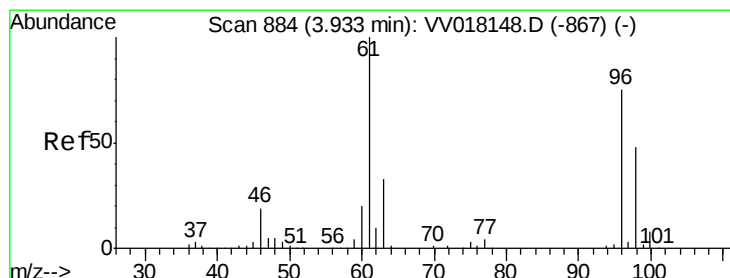
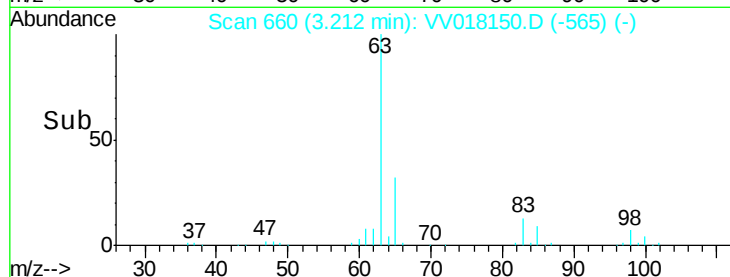
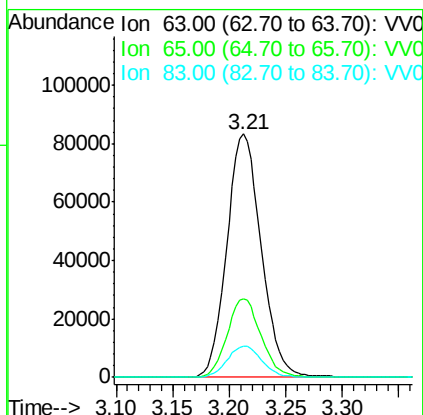
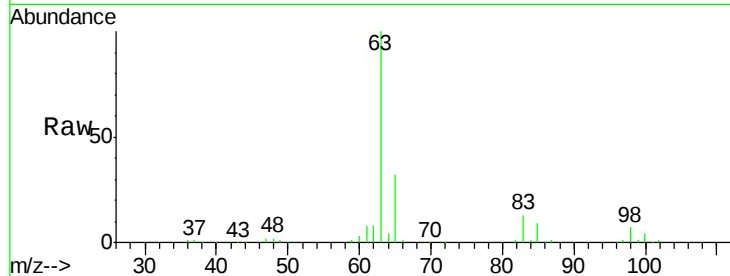




#19
 1,1-Dichloroethane
 Concen: 77.964 ug/L
 RT: 3.21 min Scan# 660
 Delta R.T. 0.01 min
 Lab File: VV018150.D
 Acq: 03 Sep 2020 12:20

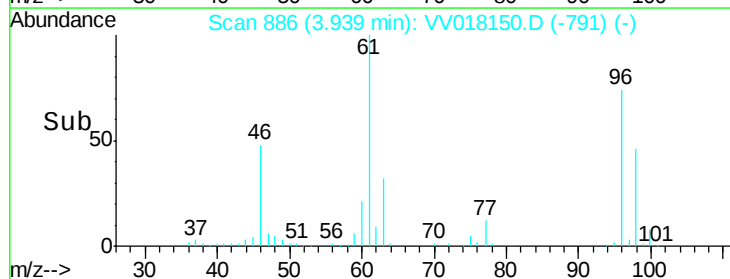
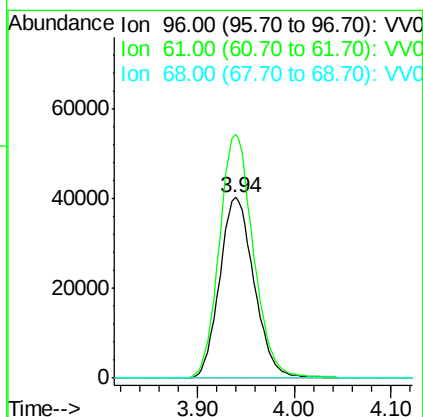
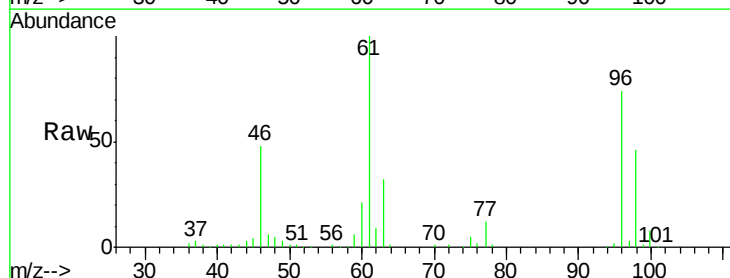
Instrument :
 MSVOA_V
 ClientSampled :
 A5169MS

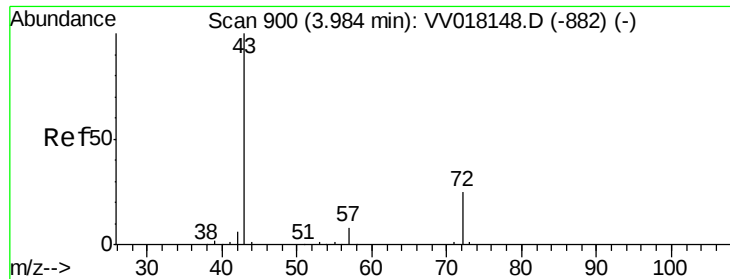
Tot Ion: 63 Resp: 176638
 Ion Ratio Lower Upper
 63 100
 65 32.4 22.3 41.3
 83 12.8 10.3 19.1



#20
 cis-1,2-Dichloroethene
 Concen: 68.011 ug/L
 RT: 3.94 min Scan# 886
 Delta R.T. 0.01 min
 Lab File: VV018150.D
 Acq: 03 Sep 2020 12:20

Tgt Ion: 96 Resp: 99524
 Ion Ratio Lower Upper
 96 100
 61 135.0 80.0 148.6
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 202.984 ug/L

RT: 4.00 min Scan# 905

Delta R.T. 0.02 min

Lab File: VV018150.D

Acq: 03 Sep 2020 12:20

Instrument :

MSVOA_V

ClientSampleId :

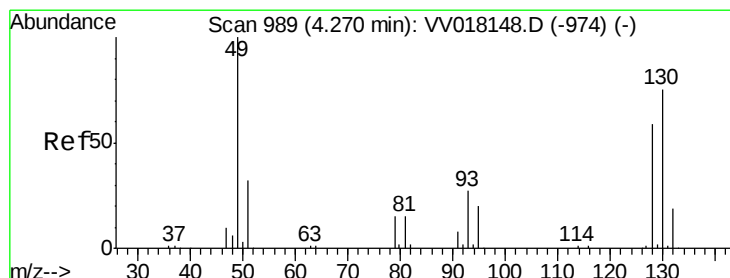
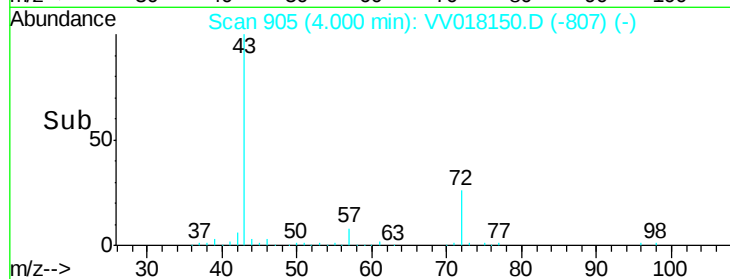
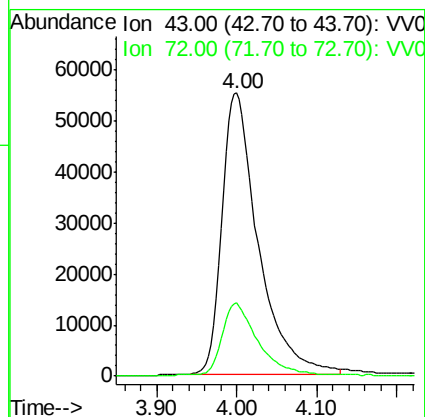
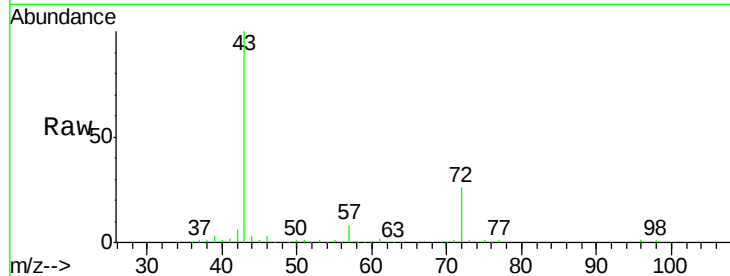
A5169MS

Tot Ion: 43 Resp: 172035

Ion Ratio Lower Upper

43 100

72 24.8 15.0 45.0



#23

Bromochloromethane

Concen: 67.175 ug/L

RT: 4.28 min Scan# 991

Delta R.T. 0.01 min

Lab File: VV018150.D

Acq: 03 Sep 2020 12:20

Tgt Ion: 128 Resp: 54054

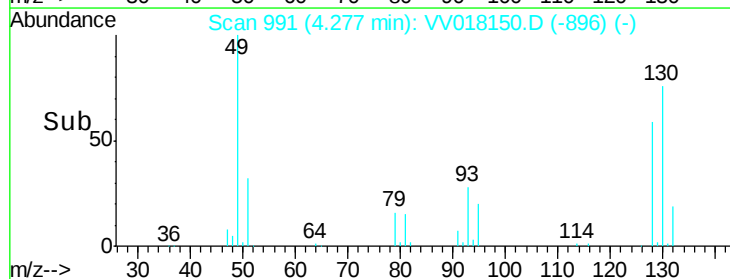
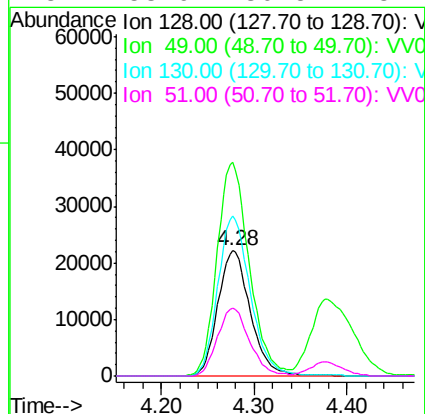
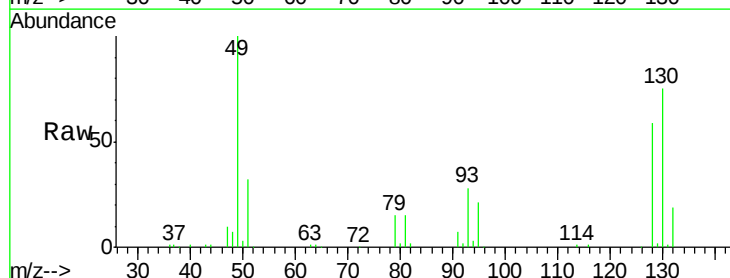
Ion Ratio Lower Upper

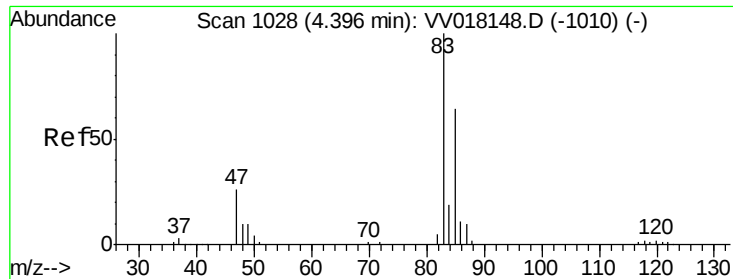
128 100

49 170.3 84.6 157.2#

130 127.6 89.9 167.0

51 53.9 30.5 45.7#

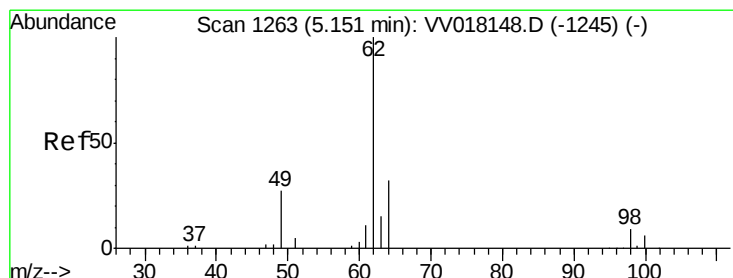
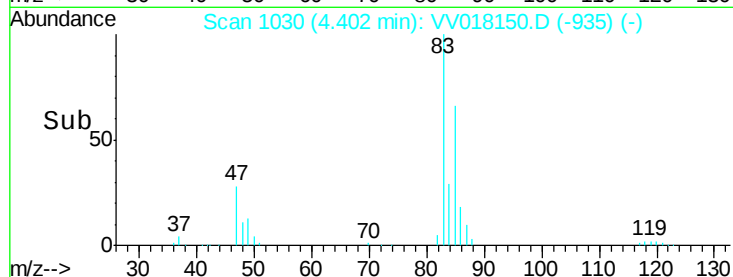
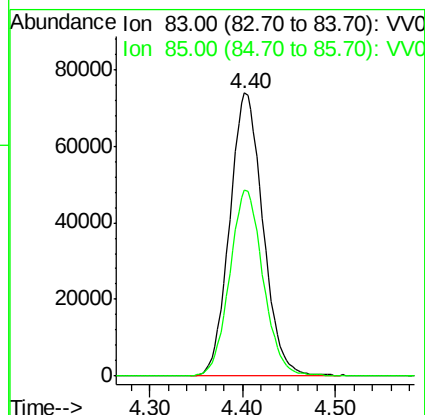
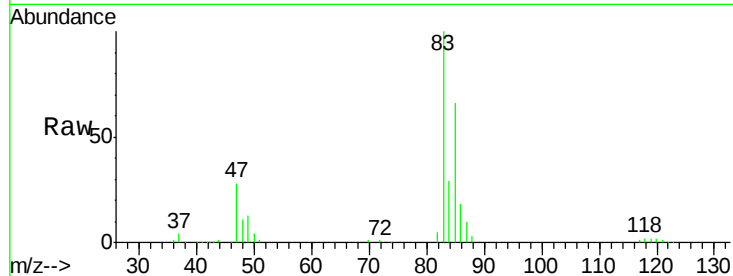




#25
Chloroform
Concen: 71.812 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. 0.01 min
Lab File: VV018150.D
Acq: 03 Sep 2020 12:20

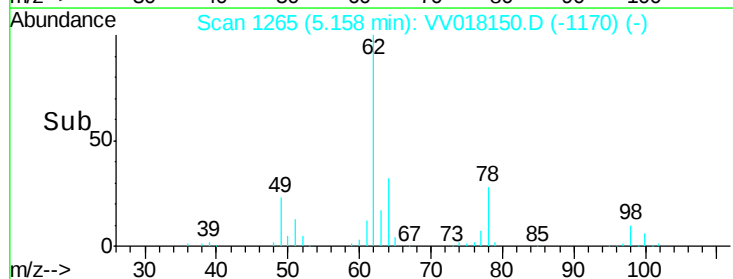
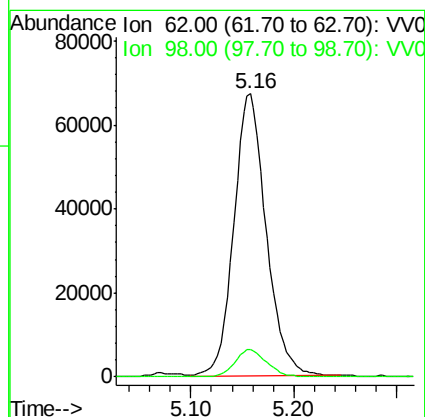
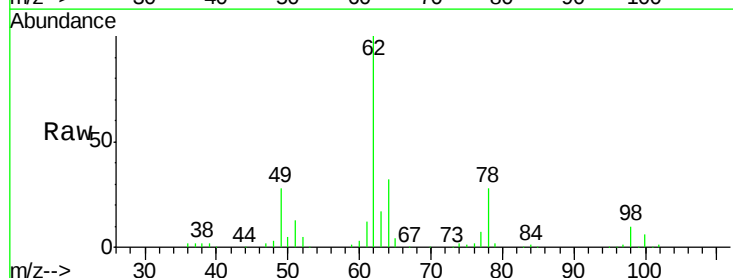
Instrument :
MSVOA_V
ClientSampleId :
A5169MS

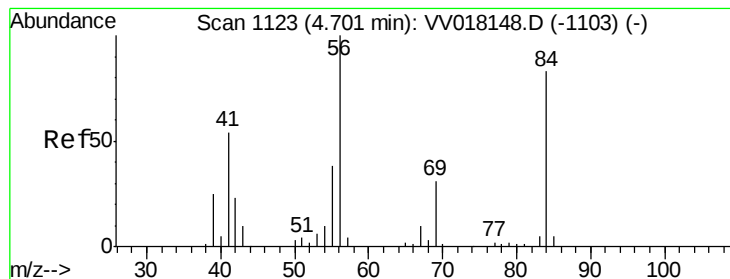
Tot Ion: 83 Resp: 184422
Ion Ratio Lower Upper
83 100
85 65.7 45.8 85.2



#27
1,2-Dichloroethane
Concen: 73.423 ug/L
RT: 5.16 min Scan# 1265
Delta R.T. 0.01 min
Lab File: VV018150.D
Acq: 03 Sep 2020 12:20

Tgt Ion: 62 Resp: 146554
Ion Ratio Lower Upper
62 100
98 9.9 7.5 11.3





#29

Cyclohexane

Concen: 64.900 ug/L

RT: 4.71 min Scan# 1125

Delta R.T. 0.01 min

Lab File: VV018150.D

Acq: 03 Sep 2020 12:20

Instrument :

MSVOA_V

ClientSampleId :

A5169MS

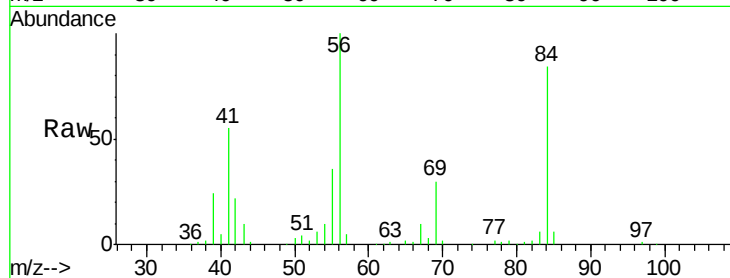
Tot Ion: 56 Resp: 130755

Ion Ratio Lower Upper

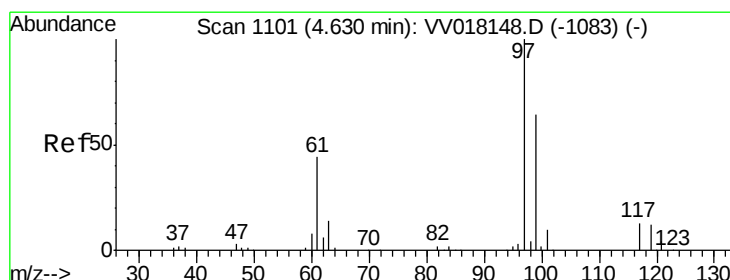
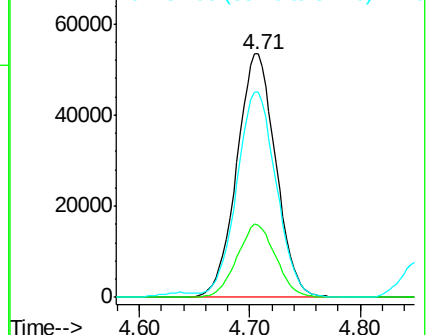
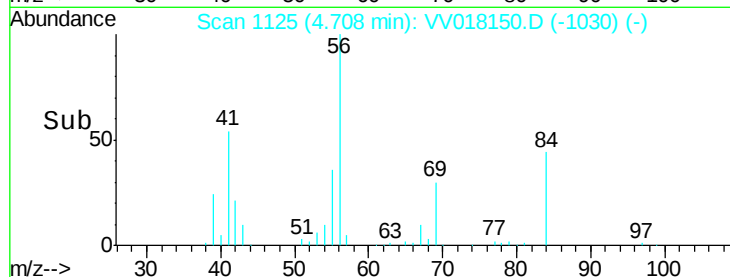
56 100

69 29.8 25.8 38.8

84 85.1 76.0 114.0



Abundance Ion 56.00 (55.70 to 56.70): VV018150.D (-1030) (-)



#30

1,1,1-Trichloroethane

Concen: 58.954 ug/L

RT: 4.63 min Scan# 1102

Delta R.T. 0.00 min

Lab File: VV018150.D

Acq: 03 Sep 2020 12:20

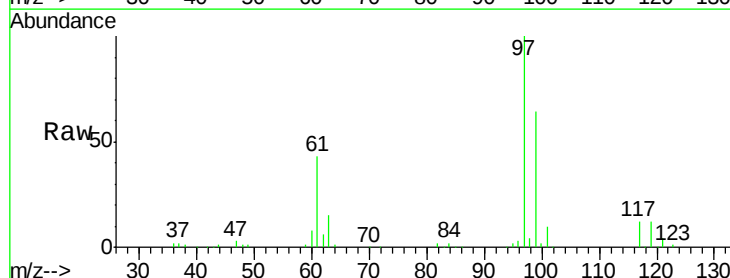
Tgt Ion: 97 Resp: 150888

Ion Ratio Lower Upper

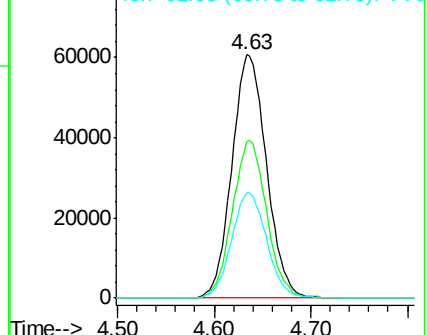
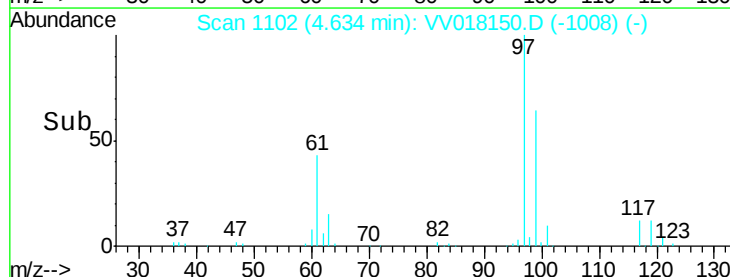
97 100

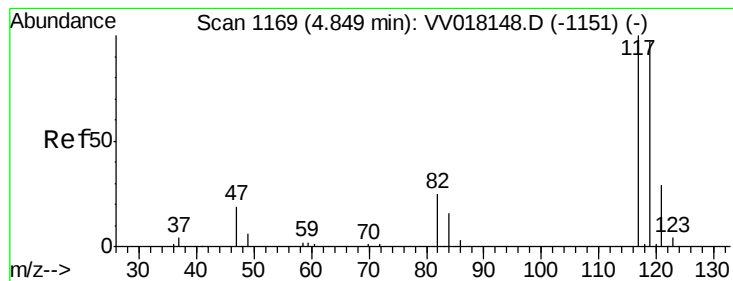
99 64.0 51.1 76.7

61 44.0 31.3 46.9



Abundance Ion 97.00 (96.70 to 97.70): VV018150.D (-1008) (-)





#31

Carbon tetrachloride

Concen: 53.675 ug/L

RT: 4.86 min Scan# 1171

Delta R.T. 0.01 min

Lab File: VV018150.D

Acq: 03 Sep 2020 12:20

Instrument :

MSVOA_V

ClientSampleId :

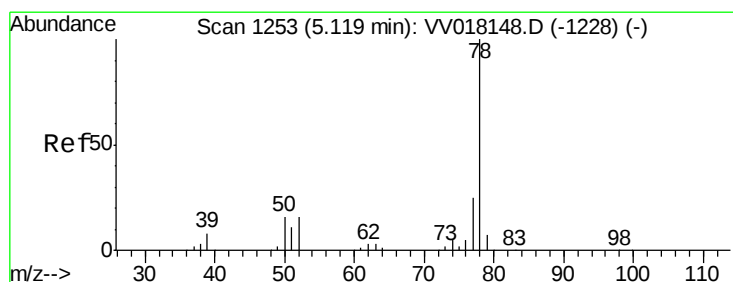
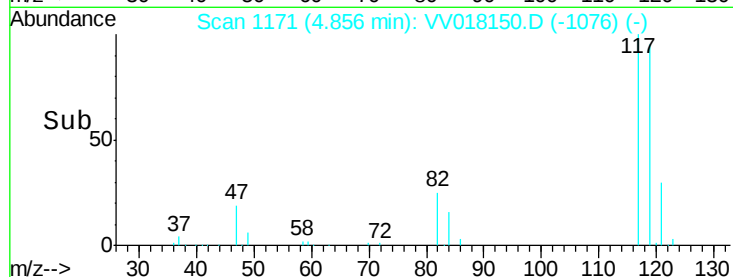
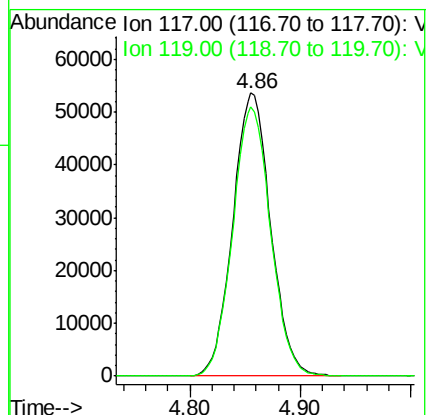
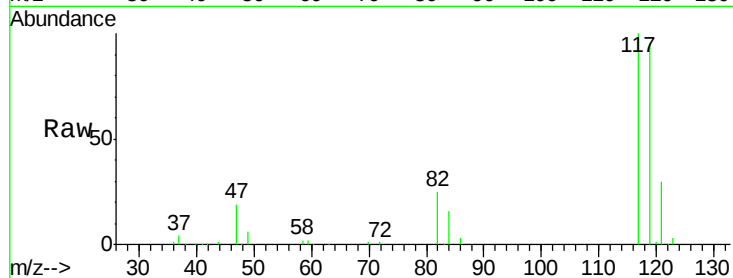
A5169MS

Tot Ion:117 Resp: 127444

Ion Ratio Lower Upper

117 100

119 95.3 78.2 117.4



#33

Benzene

Concen: 68.379 ug/L

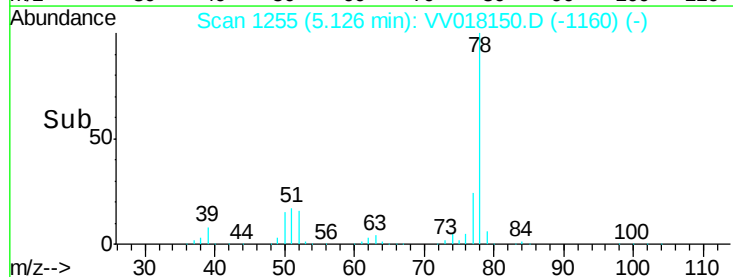
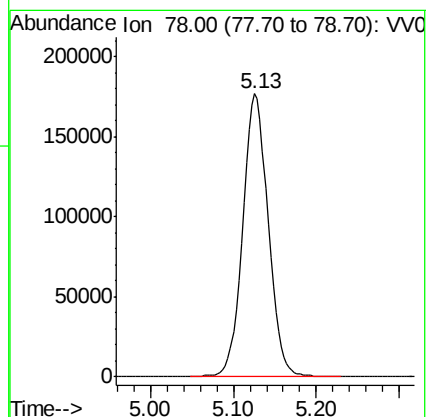
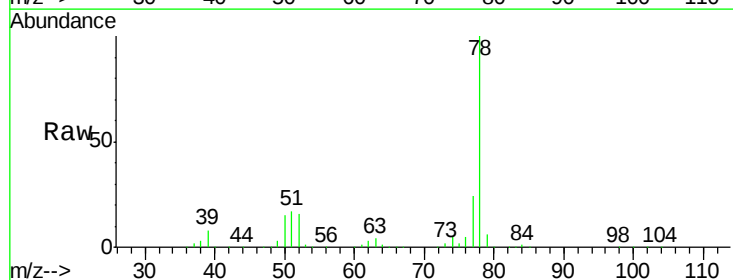
RT: 5.13 min Scan# 1255

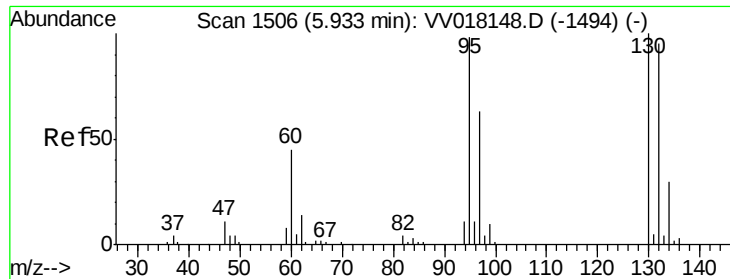
Delta R.T. 0.01 min

Lab File: VV018150.D

Acq: 03 Sep 2020 12:20

Tgt Ion: 78 Resp: 379246





#34

Trichloroethene

Concen: 64.366 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. 0.01 min

Lab File: VV018150.D

Acq: 03 Sep 2020 12:20

Instrument :

MSVOA_V

ClientSampleId :

A5169MS

Tot Ion: 95 Resp: 99225

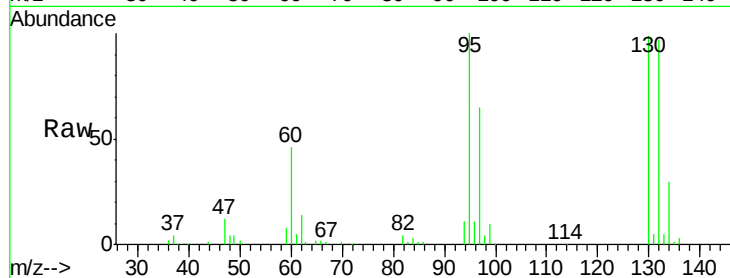
Ion Ratio Lower Upper

95 100

97 64.7 43.4 80.6

132 97.2 73.1 135.8

130 99.5 75.3 139.8

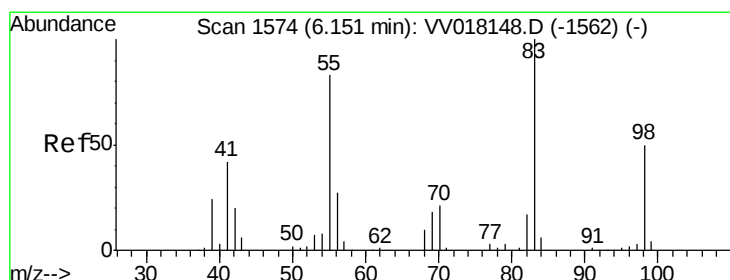
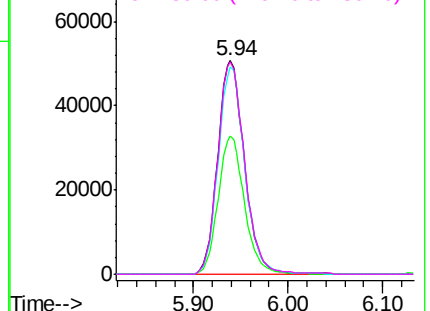
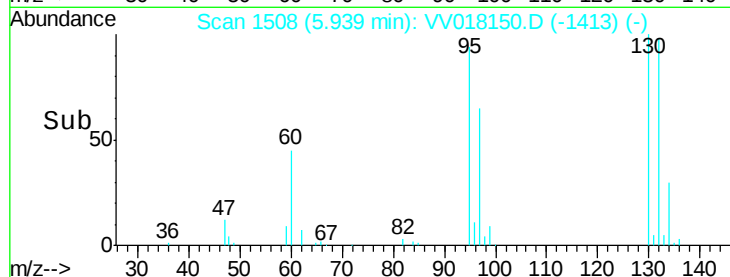


Abundance Ion 95.00 (94.70 to 95.70): VV018150.D (-1413) (-)

Ion 97.00 (96.70 to 97.70): VV018150.D (-1413) (-)

Ion 132.00 (131.70 to 132.70): VV018150.D (-1413) (-)

Ion 130.00 (129.70 to 130.70): VV018150.D (-1413) (-)



#35

Methylcyclohexane

Concen: 57.294 ug/L

RT: 6.16 min Scan# 1576

Delta R.T. 0.01 min

Lab File: VV018150.D

Acq: 03 Sep 2020 12:20

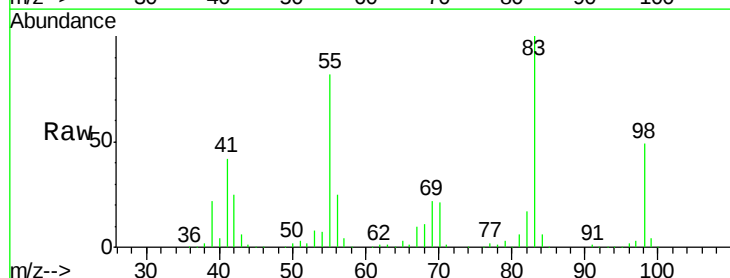
Tgt Ion: 83 Resp: 131460

Ion Ratio Lower Upper

83 100

55 81.7 55.5 83.3

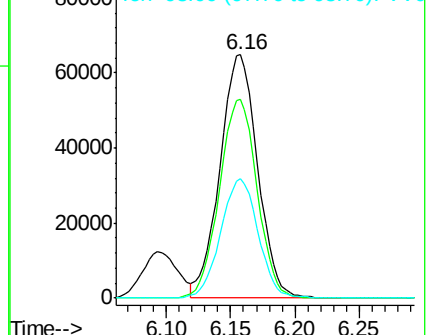
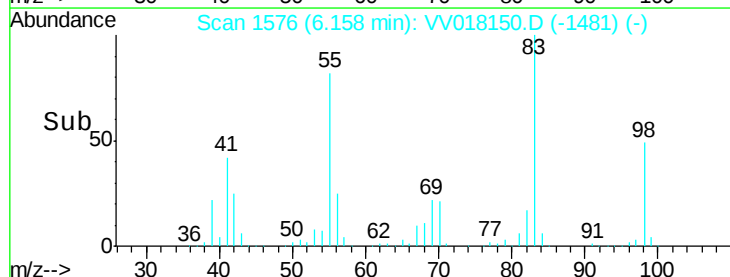
98 48.9 38.5 57.7

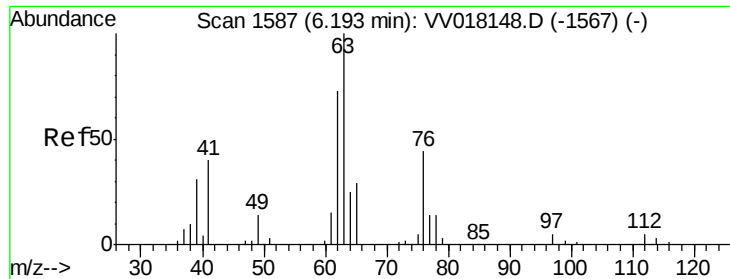


Abundance Ion 83.00 (82.70 to 83.70): VV018150.D (-1481) (-)

Ion 55.00 (54.70 to 55.70): VV018150.D (-1481) (-)

Ion 98.00 (97.70 to 98.70): VV018150.D (-1481) (-)

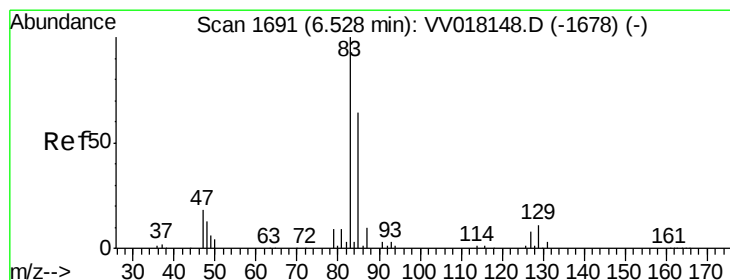
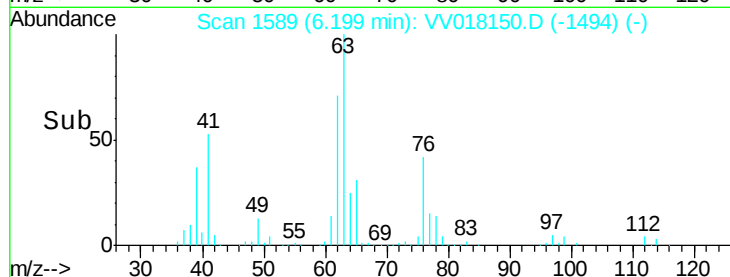
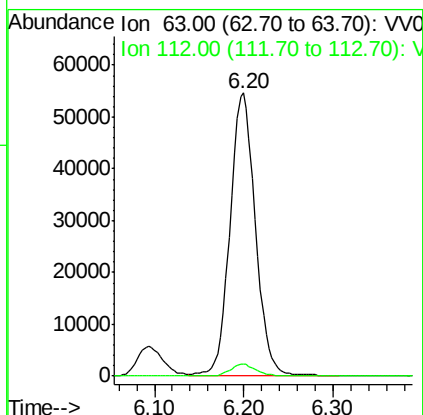
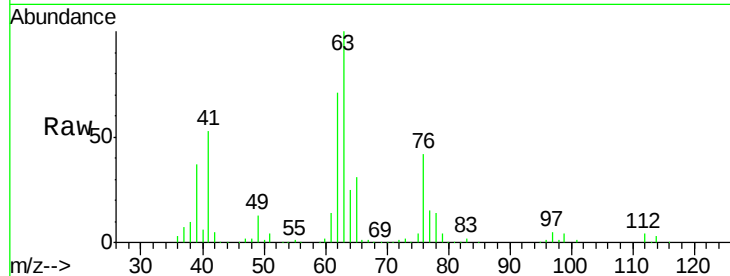




#37
 1,2-Dichloropropane
 Concen: 79.331 ug/L
 RT: 6.20 min Scan# 1589
 Delta R.T. 0.01 min
 Lab File: VV018150.D
 Acq: 03 Sep 2020 12:20

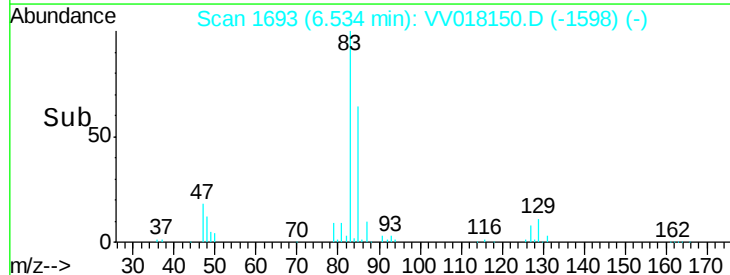
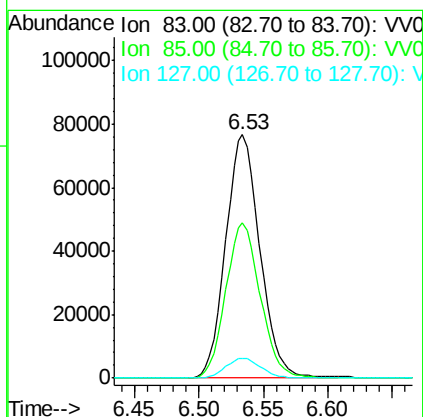
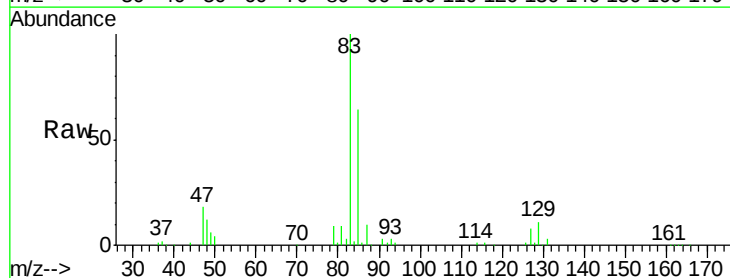
Instrument :
 MSVOA_V
 ClientSampleId :
 A5169MS

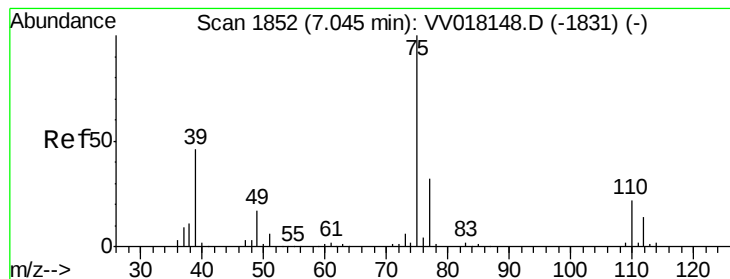
Tot Ion: 63 Resp: 107319
 Ion Ratio Lower Upper
 63 100
 112 4.3 4.2 6.2



#38
 Bromodichloromethane
 Concen: 66.429 ug/L
 RT: 6.53 min Scan# 1693
 Delta R.T. 0.01 min
 Lab File: VV018150.D
 Acq: 03 Sep 2020 12:20

Tgt Ion: 83 Resp: 141372
 Ion Ratio Lower Upper
 83 100
 85 63.6 45.0 83.6
 127 8.2 7.9 11.9



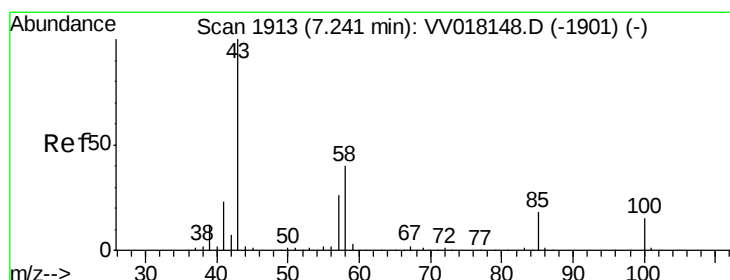
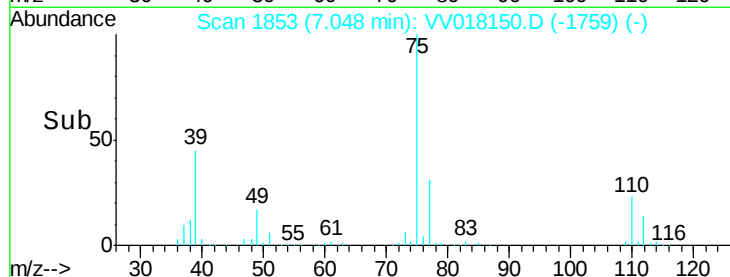
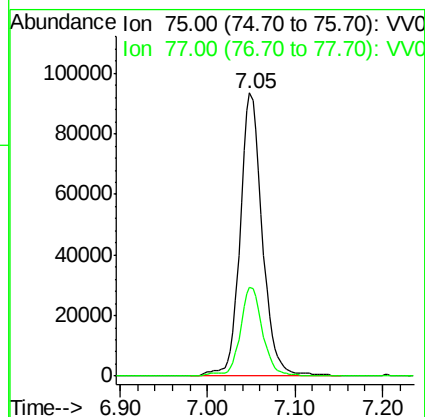
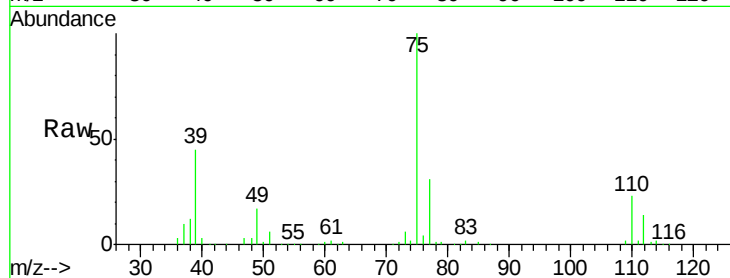


#39

cis-1,3-Dichloropropene
Concen: 69.187 ug/L
RT: 7.05 min Scan# 1853
Delta R.T. 0.00 min
Lab File: VV018150.D
Acq: 03 Sep 2020 12:20

Instrument :
MSVOA_V
ClientSampled :
A5169MS

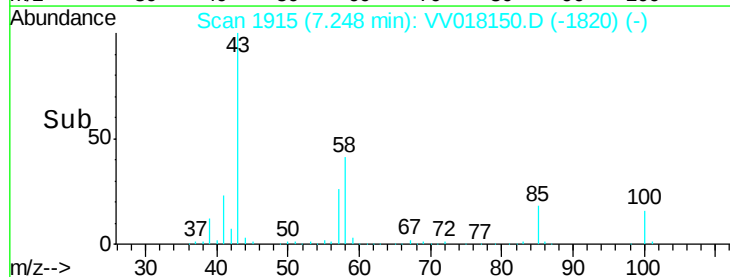
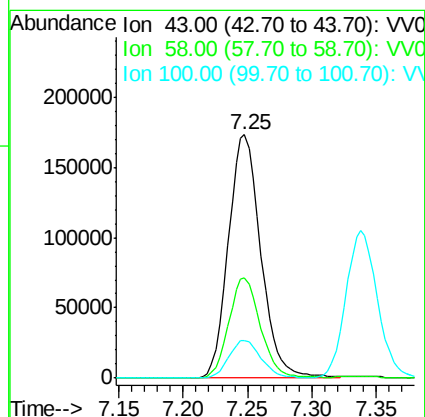
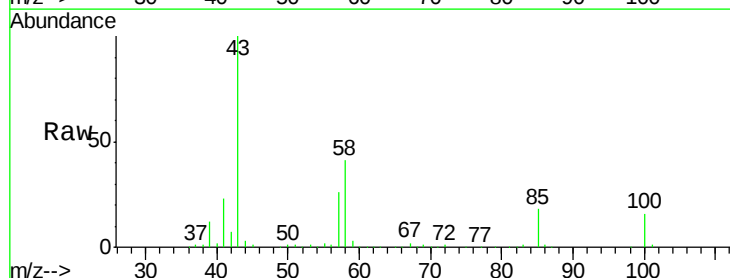
Tot Ion: 75 Resp: 165016
Ion Ratio Lower Upper
75 100
77 31.4 22.3 41.5

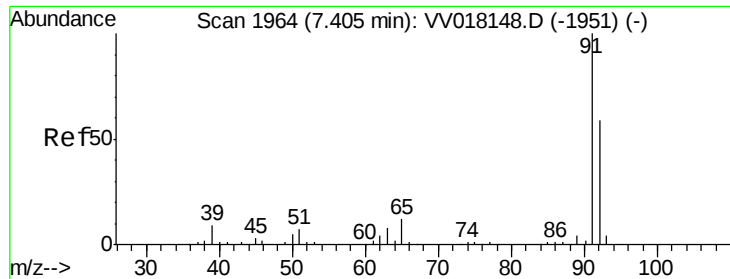


#40

4-Methyl-2-pentanone
Concen: 173.788 ug/L
RT: 7.25 min Scan# 1915
Delta R.T. 0.01 min
Lab File: VV018150.D
Acq: 03 Sep 2020 12:20

Tgt Ion: 43 Resp: 302584
Ion Ratio Lower Upper
43 100
58 40.5 33.4 50.2
100 15.4 15.0 22.4





#42

Toluene

Concen: 65.798 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VV018150.D

Acq: 03 Sep 2020 12:20

Instrument :

MSVOA_V

ClientSampleId :

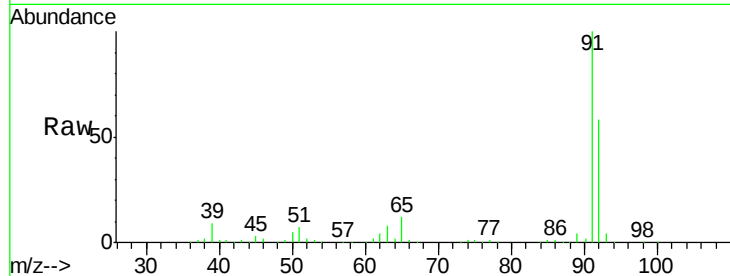
A5169MS

Tot Ion: 91 Resp: 405493

Ion Ratio Lower Upper

91 100

92 58.0 40.1 74.5



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 92.00 (91.70 to 92.70): VV0

7.41

250000

200000

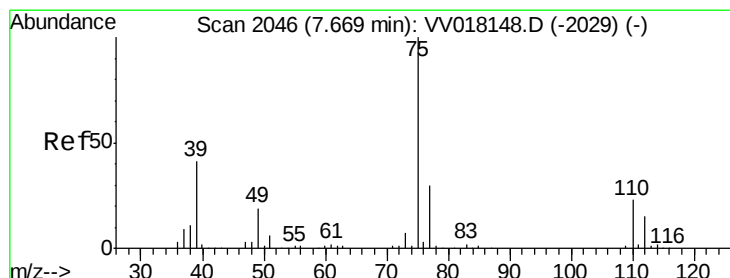
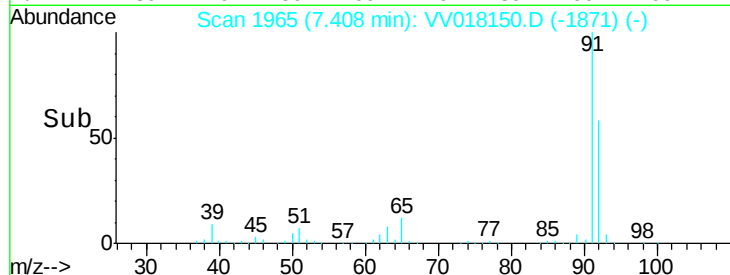
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 73.034 ug/L

RT: 7.67 min Scan# 2047

Delta R.T. 0.00 min

Lab File: VV018150.D

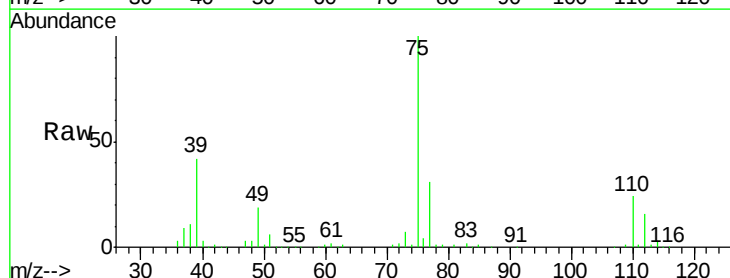
Acq: 03 Sep 2020 12:20

Tgt Ion: 75 Resp: 164432

Ion Ratio Lower Upper

75 100

77 31.4 21.8 40.4



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

7.67

100000

80000

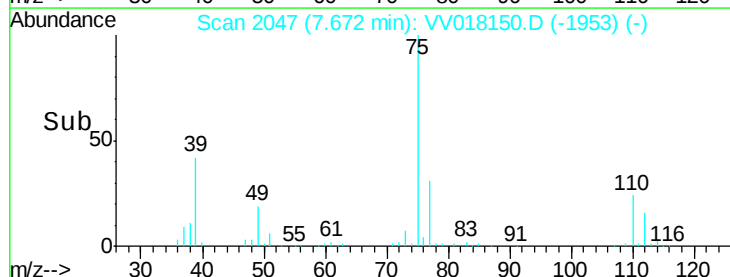
60000

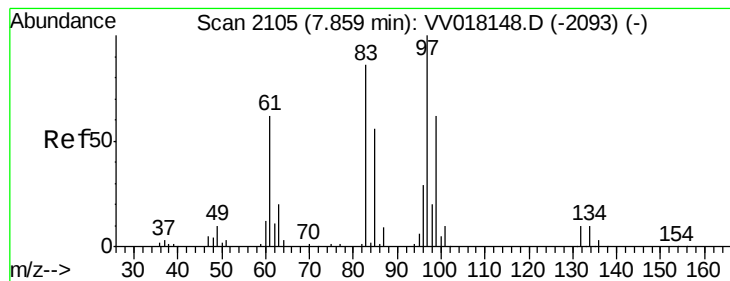
40000

20000

0

Time-->





#45

1,1,2-Trichloroethane

Concen: 72.120 ug/L

RT: 7.86 min Scan# 2105

Delta R.T. -0.00 min

Lab File: VV018150.D

Acq: 03 Sep 2020 12:20

Instrument :

MSVOA_V

ClientSampleId :

A5169MS

Tot Ion: 97 Resp: 105170

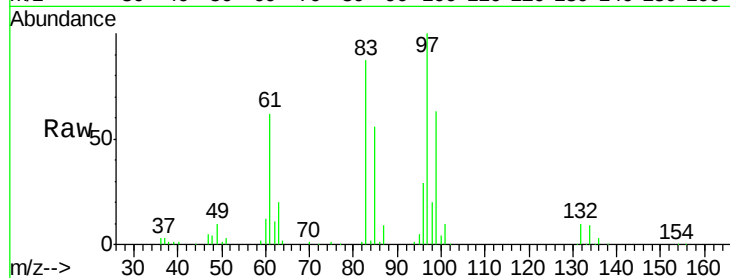
Ion Ratio Lower Upper

97 100

99 62.6 47.2 87.6

83 86.5 58.0 107.6

85 55.6 38.0 70.6



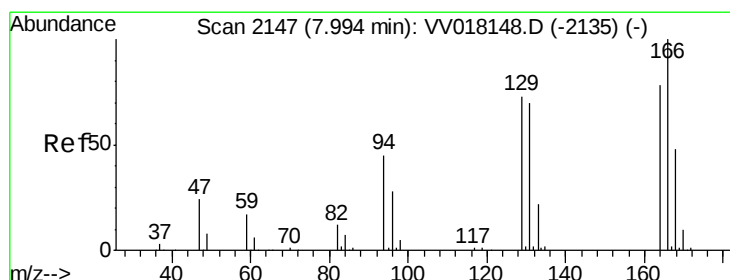
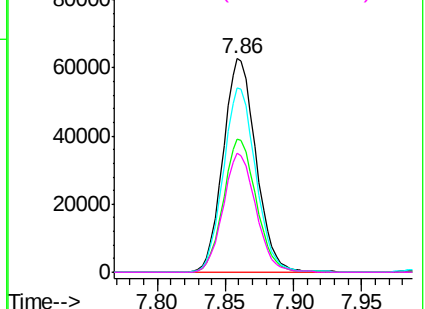
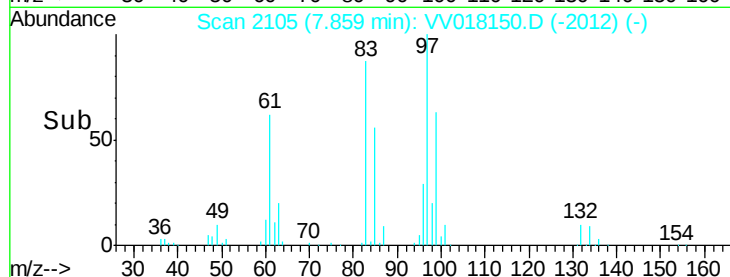
Abundance

Ion 97.00 (96.70 to 97.70): VV018150.D (-2012) (-)

Ion 99.00 (98.70 to 99.70): VV018150.D (-2012) (-)

Ion 83.00 (82.70 to 83.70): VV018150.D (-2012) (-)

Ion 85.00 (84.70 to 85.70): VV018150.D (-2012) (-)



#46

Tetrachloroethene

Concen: 52.288 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. 0.00 min

Lab File: VV018150.D

Acq: 03 Sep 2020 12:20

Tgt Ion: 164 Resp: 75102

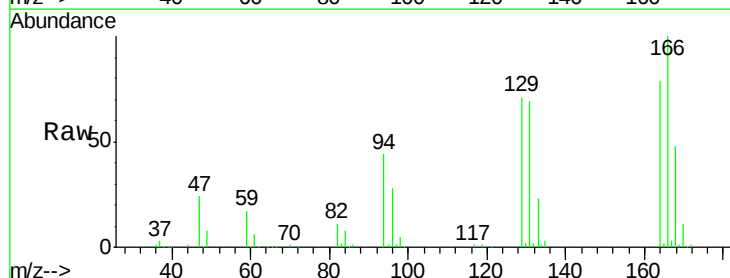
Ion Ratio Lower Upper

164 100

129 90.3 64.3 119.5

131 87.5 60.1 111.7

166 126.5 91.8 170.6



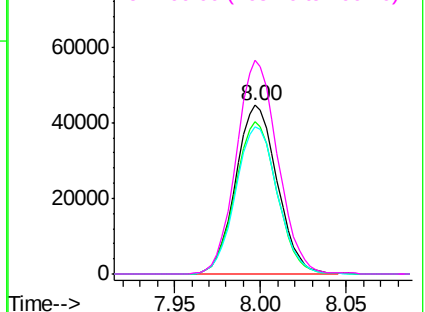
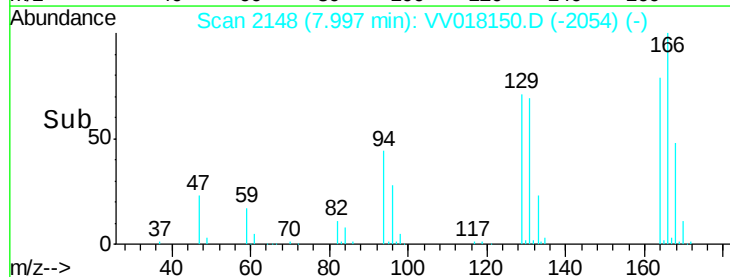
Abundance

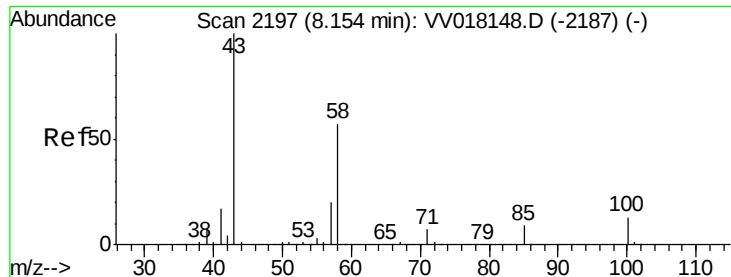
Ion 164.00 (163.70 to 164.70): VV018150.D (-2054) (-)

Ion 129.00 (128.70 to 129.70): VV018150.D (-2054) (-)

Ion 131.00 (130.70 to 131.70): VV018150.D (-2054) (-)

Ion 166.00 (165.70 to 166.70): VV018150.D (-2054) (-)

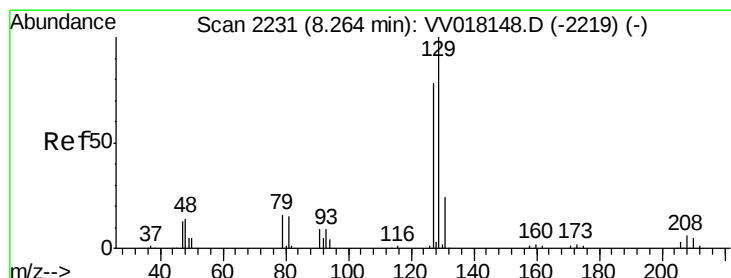
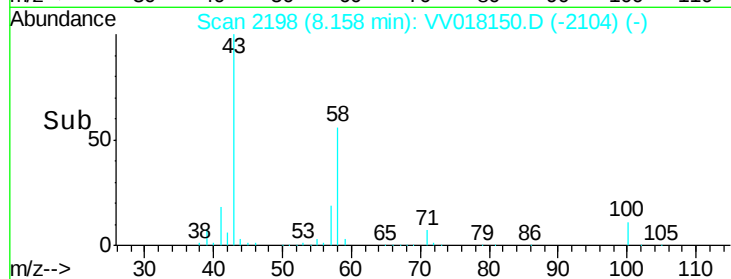
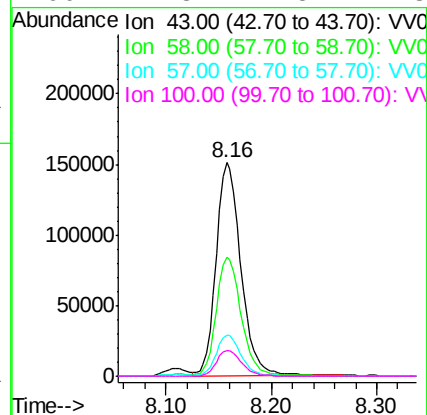
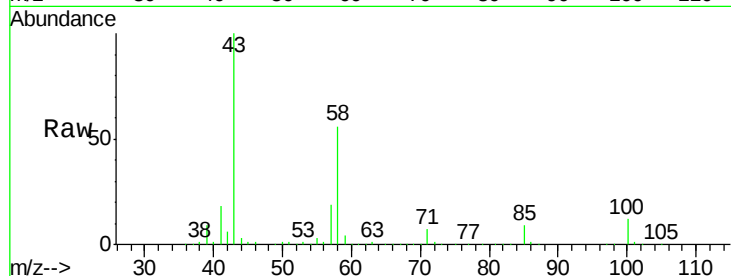




#48
2-Hexanone
Concen: 188.211 ug/L
RT: 8.16 min Scan# 2198
Delta R.T. 0.00 min
Lab File: VV018150.D
Acq: 03 Sep 2020 12:20

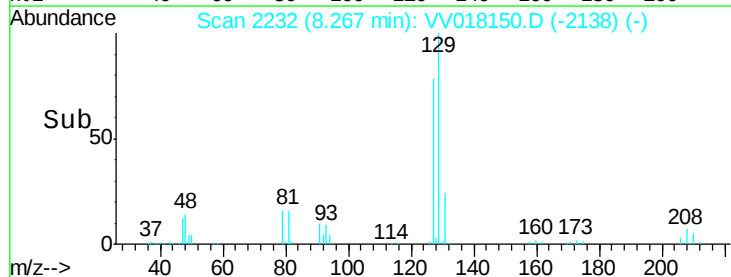
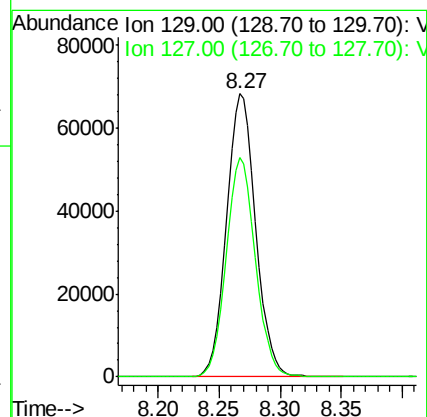
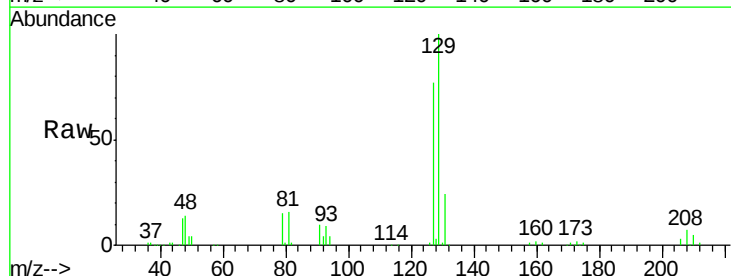
Instrument :
MSVOA_V
ClientSampled :
A5169MS

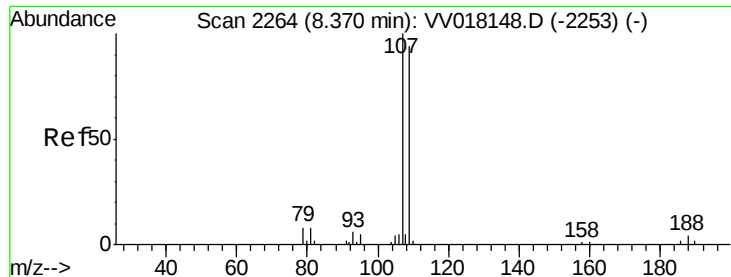
Tot Ion: 43 Resp: 247055
Ion Ratio Lower Upper
43 100
58 55.8 45.6 68.4
57 18.8 17.0 25.6
100 12.3 11.5 17.3



#49
Dibromochloromethane
Concen: 60.633 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. 0.00 min
Lab File: VV018150.D
Acq: 03 Sep 2020 12:20

Tgt Ion: 129 Resp: 114738
Ion Ratio Lower Upper
129 100
127 77.5 53.8 100.0

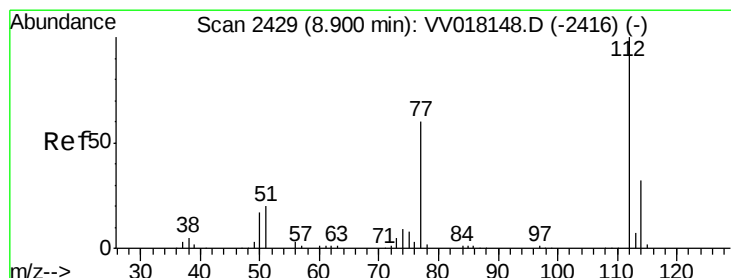
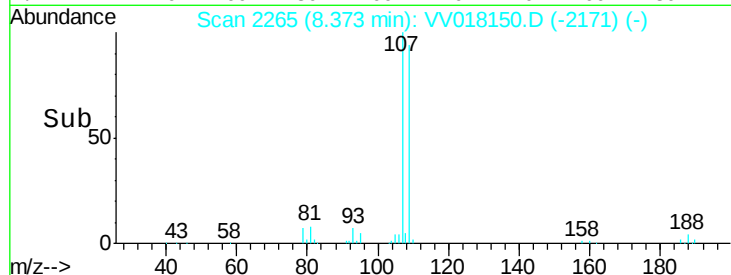
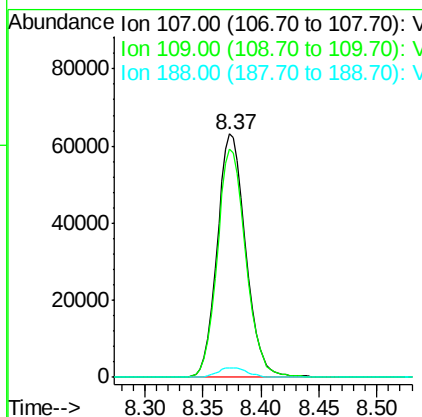
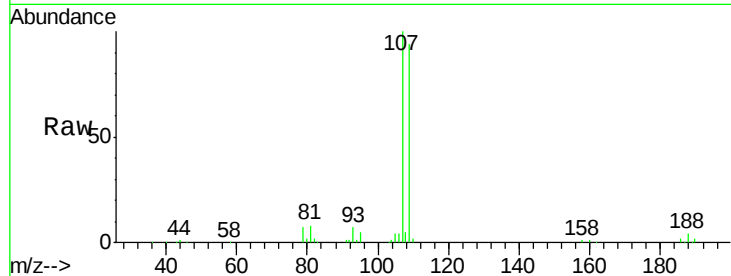




#50
 1,2-Dibromoethane
 Concen: 66.849 ug/L
 RT: 8.37 min Scan# 2265
 Delta R.T. 0.00 min
 Lab File: VV018150.D
 Acq: 03 Sep 2020 12:20

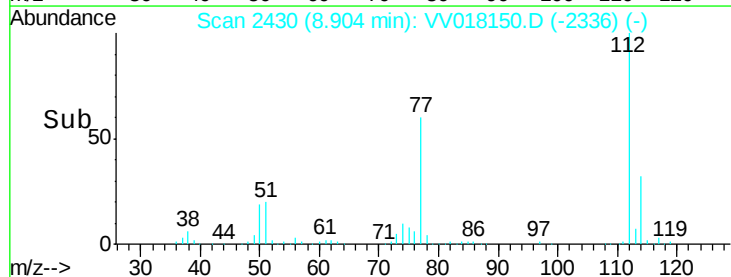
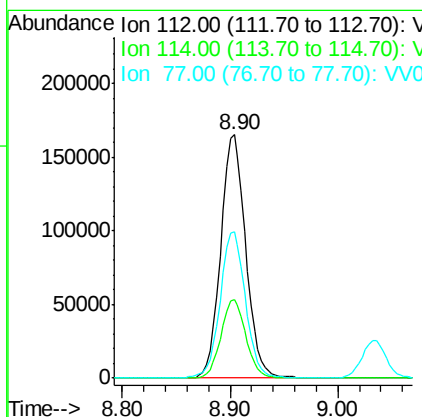
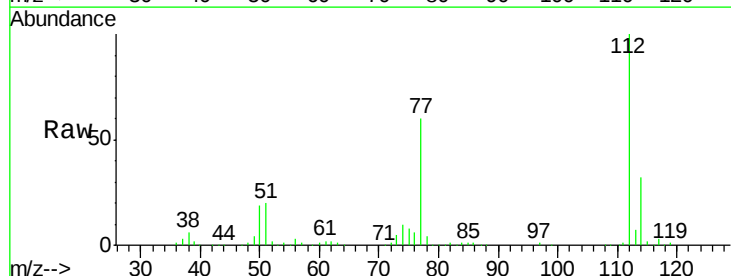
Instrument :
 MSVOA_V
 ClientSampleId :
 A5169MS

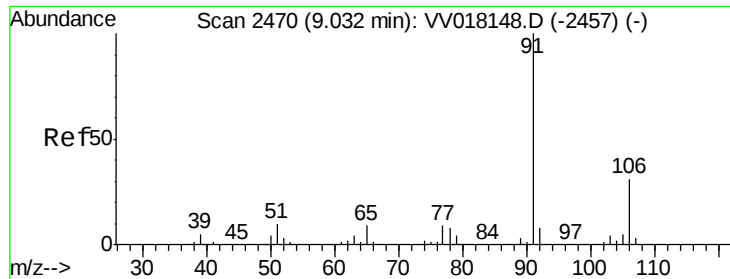
Tot Ion:107 Resp: 107810
 Ion Ratio Lower Upper
 107 100
 109 93.9 67.0 124.4
 188 3.9 3.9 5.9#



#51
 Chlorobenzene
 Concen: 64.013 ug/L
 RT: 8.90 min Scan# 2430
 Delta R.T. 0.00 min
 Lab File: VV018150.D
 Acq: 03 Sep 2020 12:20

Tgt Ion:112 Resp: 265972
 Ion Ratio Lower Upper
 112 100
 114 32.5 22.8 42.4
 77 60.3 44.7 67.1





#52

Ethylbenzene

Concen: 64.046 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. -0.00 min

Lab File: VV018150.D

Acq: 03 Sep 2020 12:20

Instrument :

MSVOA_V

ClientSampleId :

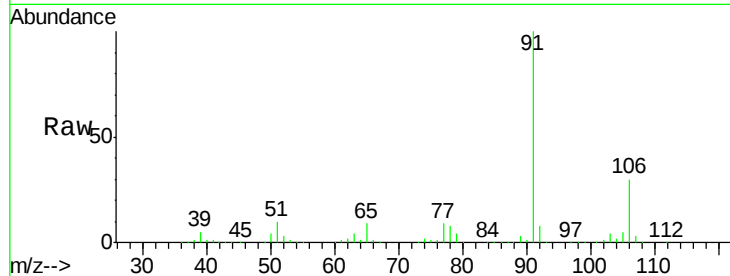
A5169MS

Tot Ion: 91 Resp: 442870

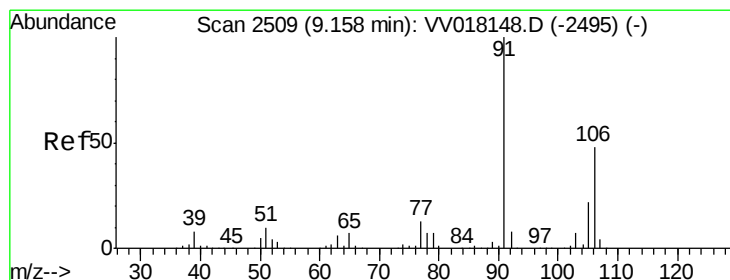
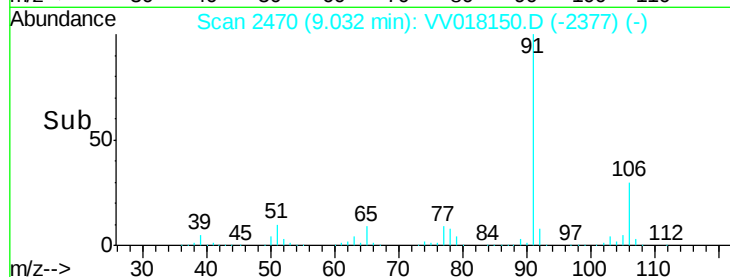
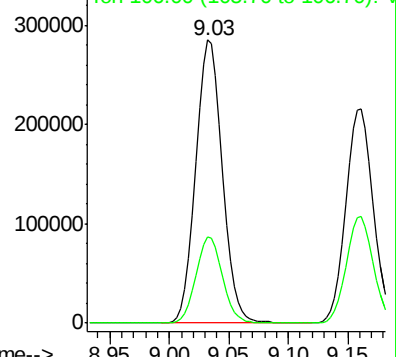
Ion Ratio Lower Upper

91 100

106 30.5 22.3 41.5



Abundance Ion 91.00 (90.70 to 91.70): VV018150.D (-2377) (-)



#53

m,p-Xylene

Concen: 63.697 ug/L

RT: 9.16 min Scan# 2510

Delta R.T. 0.00 min

Lab File: VV018150.D

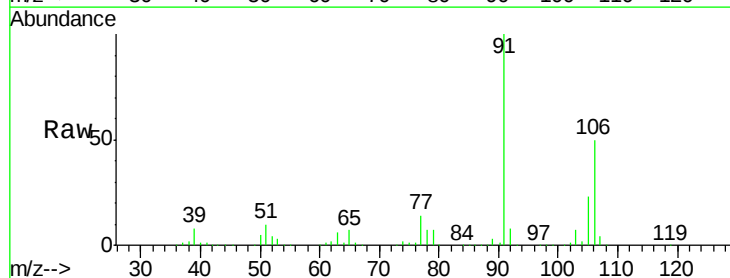
Acq: 03 Sep 2020 12:20

Tgt Ion: 106 Resp: 169913

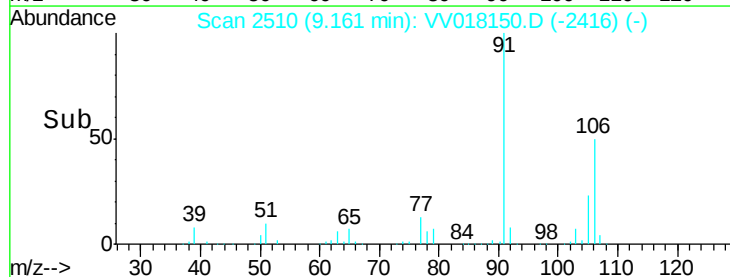
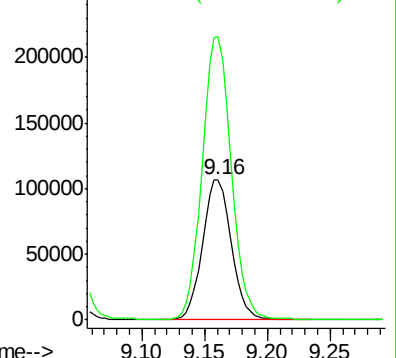
Ion Ratio Lower Upper

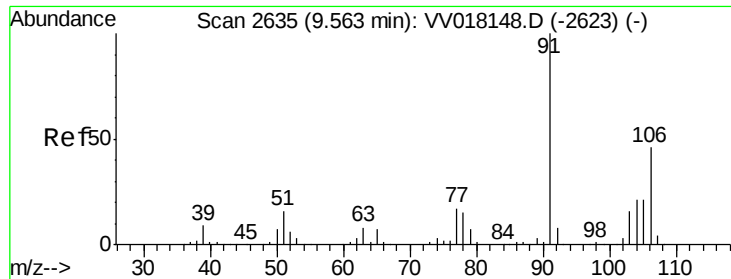
106 100

91 201.3 146.7 272.5



Abundance Ion 106.00 (105.70 to 106.70): VV018150.D (-2416) (-)

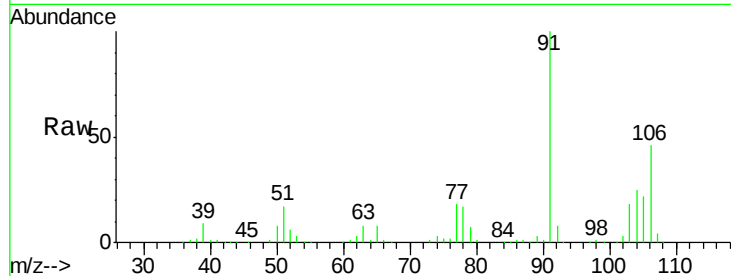




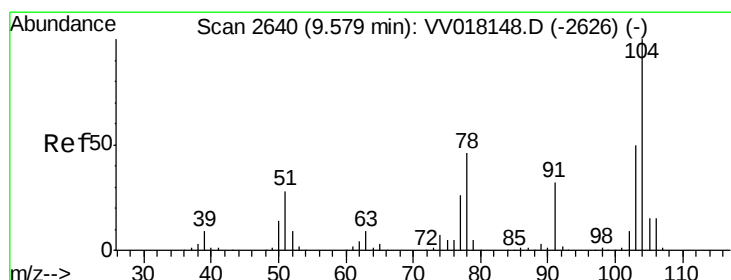
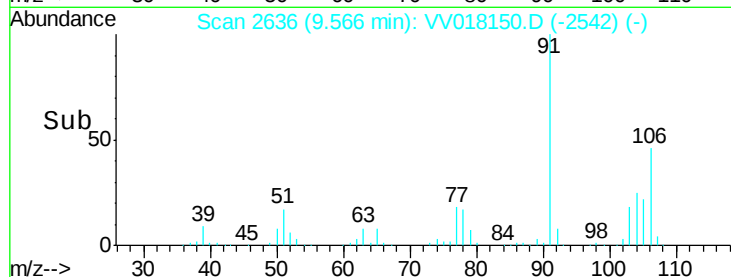
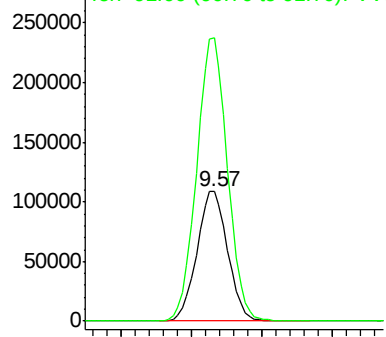
#54
o-Xylene
Concen: 62.529 ug/L
RT: 9.57 min Scan# 2636
Delta R.T. 0.00 min
Lab File: VV018150.D
Acq: 03 Sep 2020 12:20

Instrument :
MSVOA_V
ClientSampleId :
A5169MS

Tot Ion:106 Resp: 165516
Ion Ratio Lower Upper
106 100
91 218.2 150.4 279.2

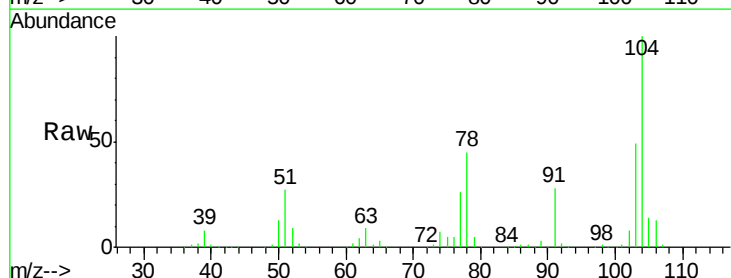


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0

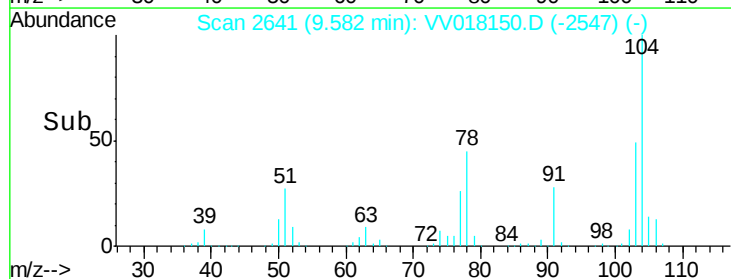
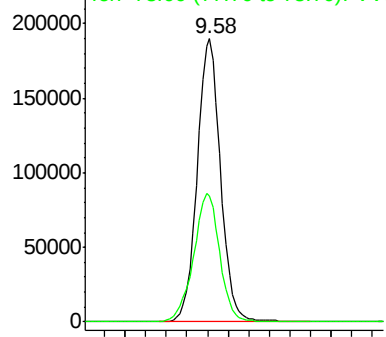


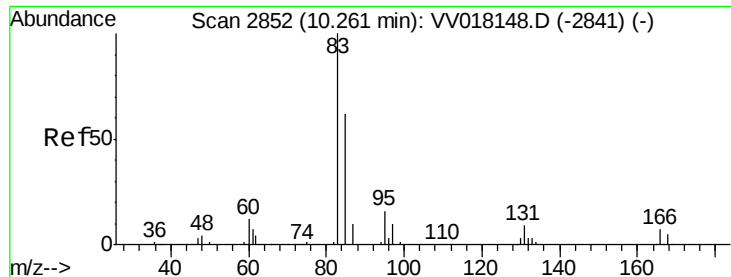
#55
Styrene
Concen: 67.234 ug/L
RT: 9.58 min Scan# 2641
Delta R.T. 0.00 min
Lab File: VV018150.D
Acq: 03 Sep 2020 12:20

Tgt Ion:104 Resp: 299803
Ion Ratio Lower Upper
104 100
78 44.7 32.0 59.4



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VV0





#57

1,1,2,2-Tetrachloroethane

Concen: 73.322 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. 0.00 min

Lab File: VV018150.D

Acq: 03 Sep 2020 12:20

Instrument :

MSVOA_V

ClientSampleId :

A5169MS

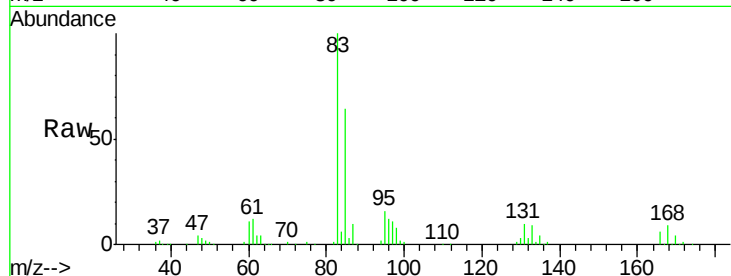
Tot Ion: 83 Resp: 164425

Ion Ratio Lower Upper

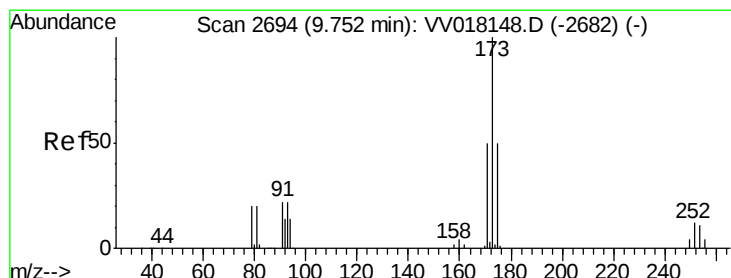
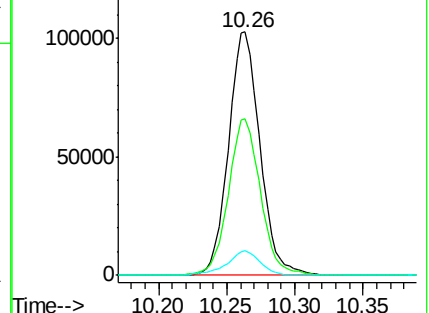
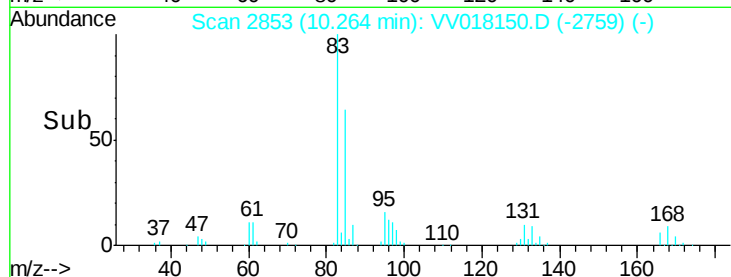
83 100

85 64.1 44.6 82.8

131 9.9 9.3 13.9



Abundance Ion 83.00 (82.70 to 83.70): VV018150.D (-2759) (-)



#59

Bromoform

Concen: 55.113 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. -0.00 min

Lab File: VV018150.D

Acq: 03 Sep 2020 12:20

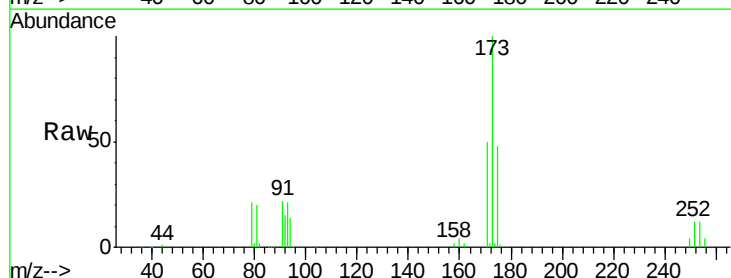
Tgt Ion: 173 Resp: 87062

Ion Ratio Lower Upper

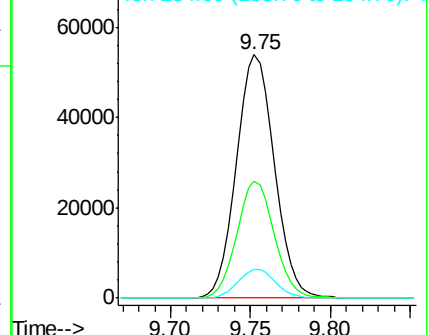
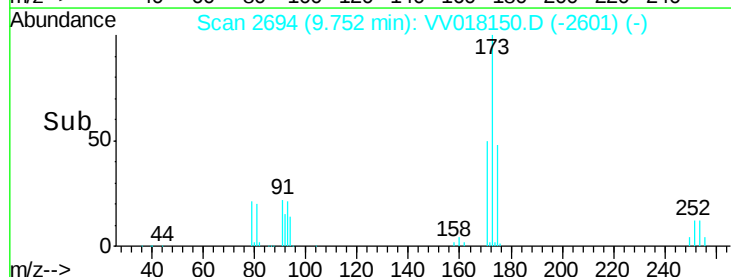
173 100

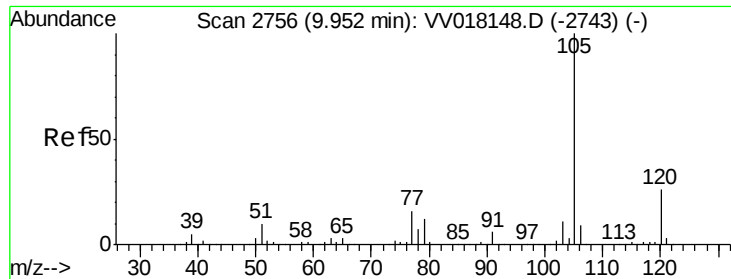
175 47.6 38.3 57.5

254 11.6 8.9 13.3



Abundance Ion 173.00 (172.70 to 173.70): VV018150.D (-2601) (-)





#60

Isopropylbenzene

Concen: 60.062 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VV018150.D

Acq: 03 Sep 2020 12:20

Instrument :

MSVOA_V

ClientSampleId :

A5169MS

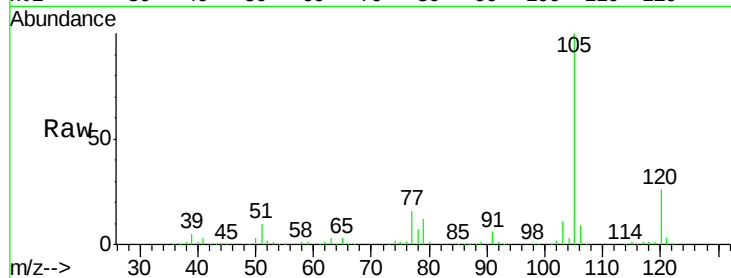
Tot Ion:105 Resp: 442796

Ion Ratio Lower Upper

105 100

120 25.9 21.4 32.0

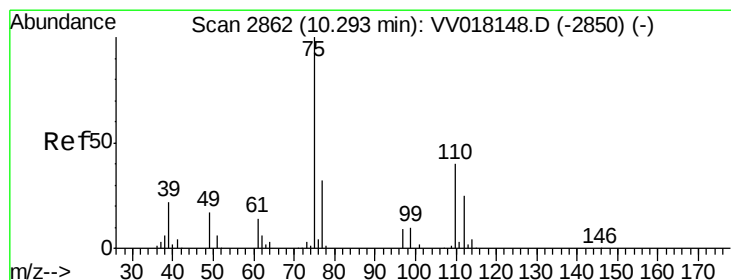
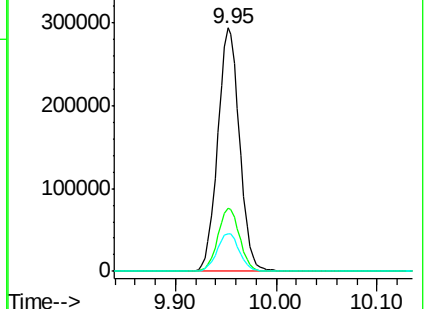
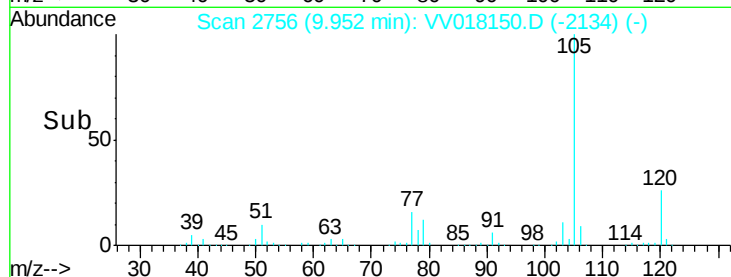
77 15.8 11.6 17.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#61

1,2,3-Trichloropropane

Concen: 76.526 ug/L

RT: 10.30 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VV018150.D

Acq: 03 Sep 2020 12:20

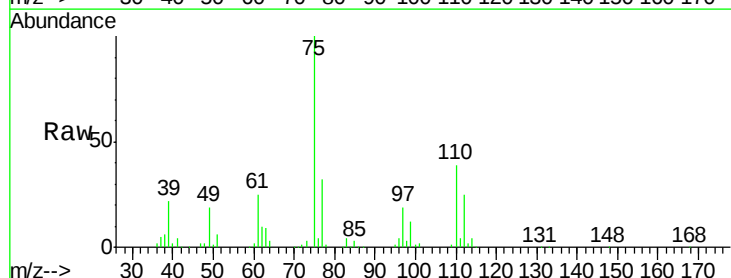
Tgt Ion: 75 Resp: 139944

Ion Ratio Lower Upper

75 100

77 31.7 25.7 38.5

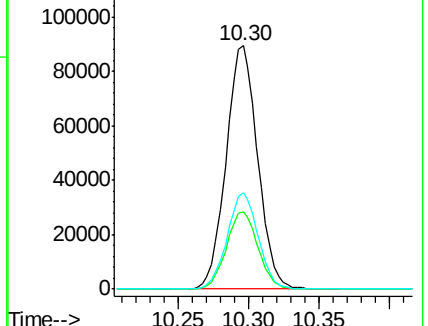
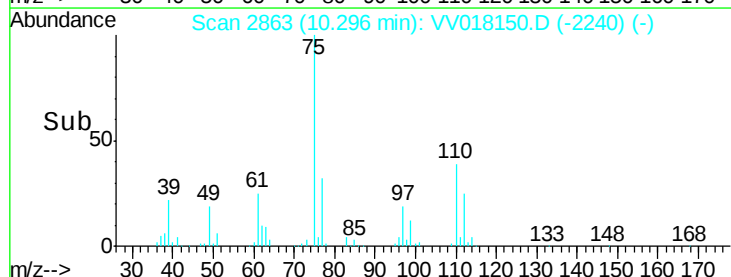
110 38.8 34.2 51.4

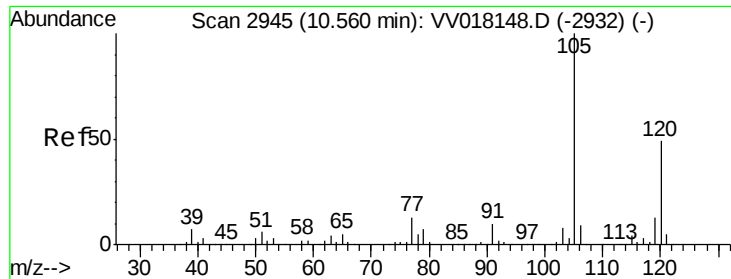


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

Ion 110.00 (109.70 to 110.70): V

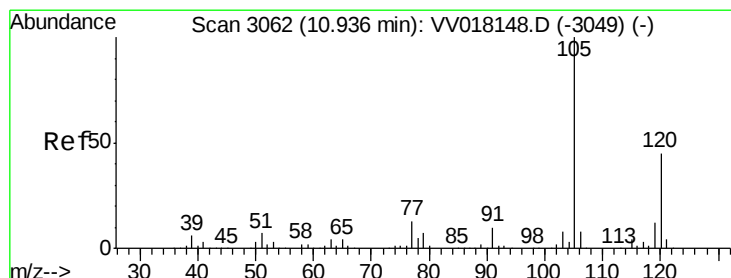
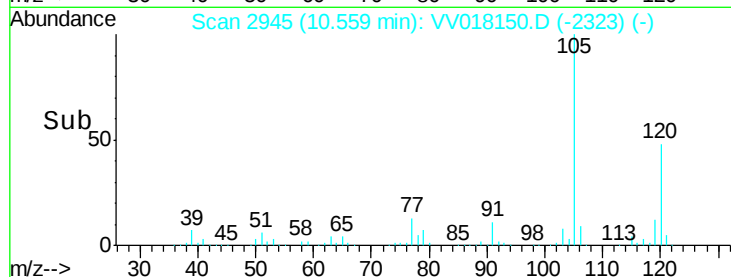
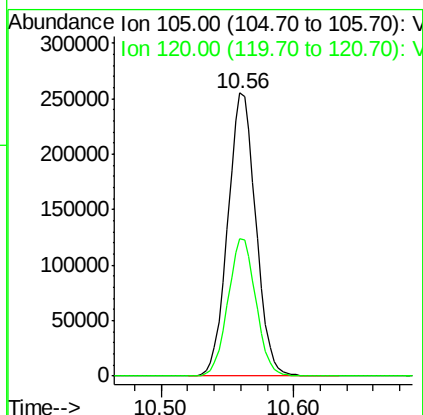
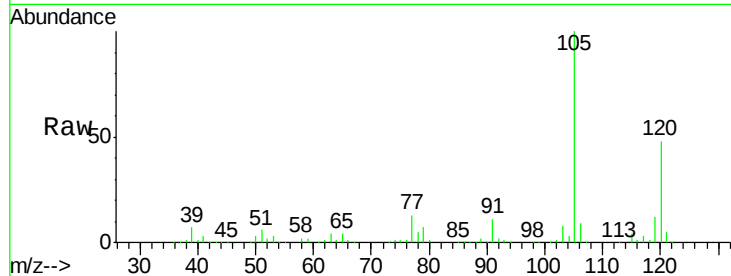




#62
 1,3,5-Trimethylbenzene
 Concen: 58.732 ug/L
 RT: 10.56 min Scan# 2945
 Delta R.T. -0.00 min
 Lab File: VV018150.D
 Acq: 03 Sep 2020 12:20

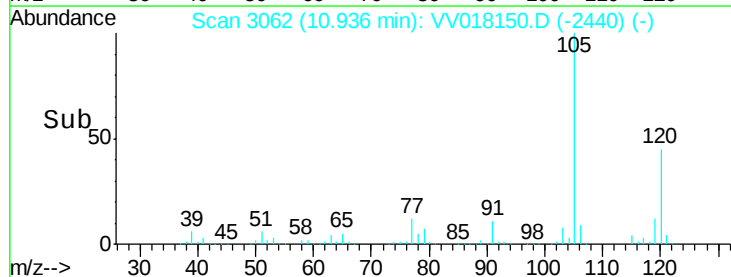
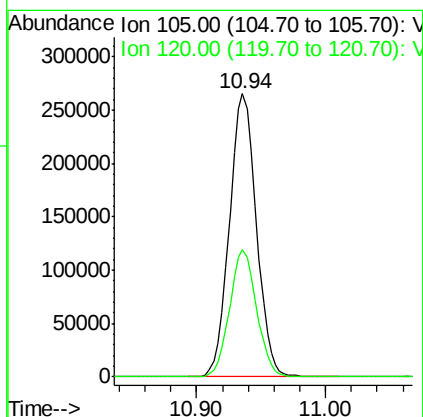
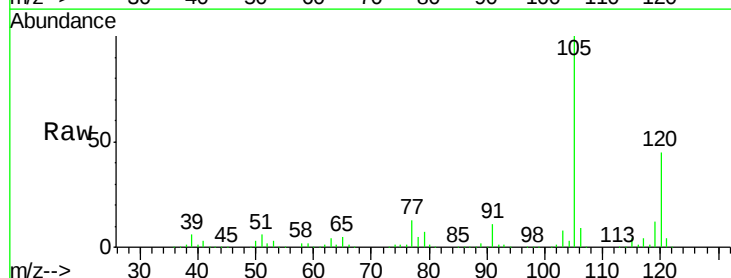
Instrument :
 MSVOA_V
 ClientSampleId :
 A5169MS

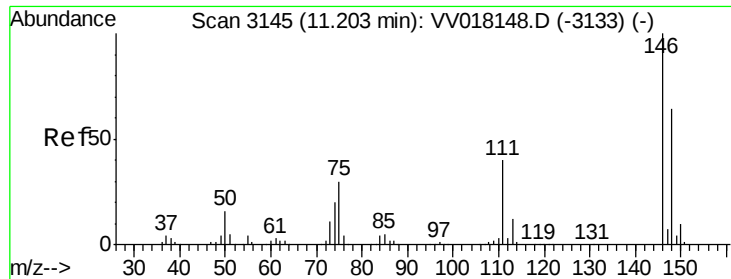
Tot Ion:105 Resp: 374321
 Ion Ratio Lower Upper
 105 100
 120 48.4 39.2 58.8



#63
 1,2,4-Trimethylbenzene
 Concen: 61.217 ug/L
 RT: 10.94 min Scan# 3062
 Delta R.T. -0.00 min
 Lab File: VV018150.D
 Acq: 03 Sep 2020 12:20

Tgt Ion:105 Resp: 385080
 Ion Ratio Lower Upper
 105 100
 120 44.8 36.7 55.1

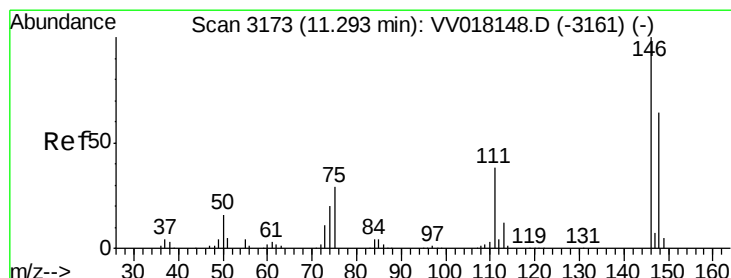
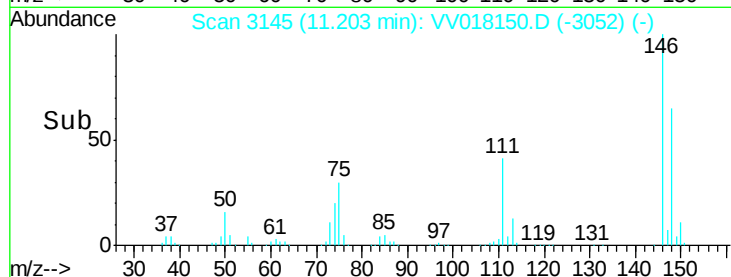
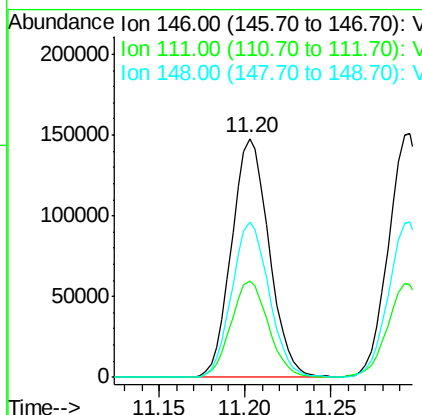
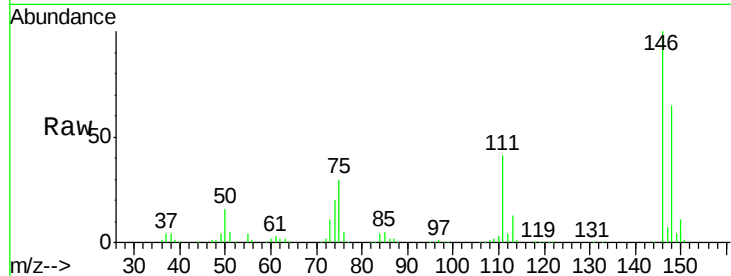




#64
 1,3-Dichlorobenzene
 Concen: 60.251 ug/L
 RT: 11.20 min Scan# 3145
 Delta R.T. -0.00 min
 Lab File: VV018150.D
 Acq: 03 Sep 2020 12:20

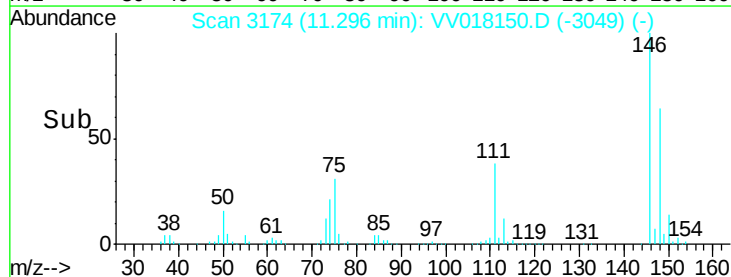
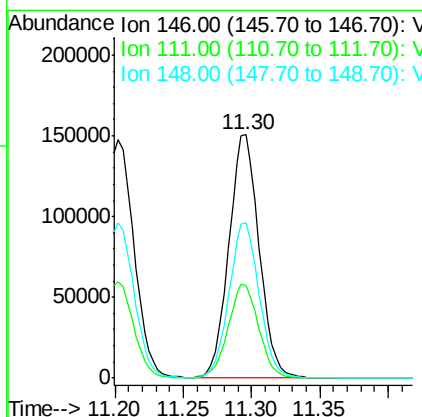
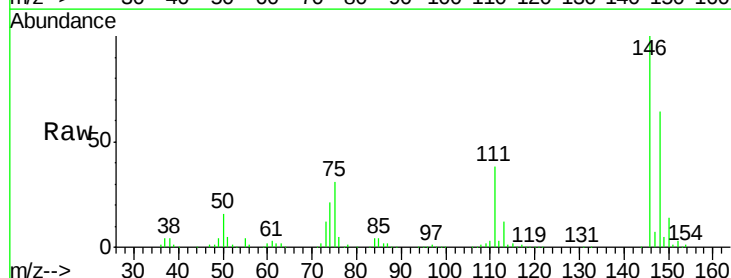
Instrument :
 MSVOA_V
 ClientSampleId :
 A5169MS

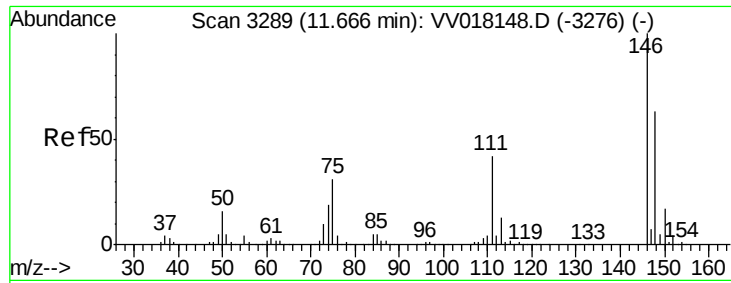
Tot Ion:146 Resp: 224120
 Ion Ratio Lower Upper
 146 100
 111 40.5 26.8 49.8
 148 65.2 44.6 82.8



#65
 1,4-Dichlorobenzene
 Concen: 61.422 ug/L
 RT: 11.30 min Scan# 3174
 Delta R.T. 0.00 min
 Lab File: VV018150.D
 Acq: 03 Sep 2020 12:20

Tgt Ion:146 Resp: 230944
 Ion Ratio Lower Upper
 146 100
 111 38.0 25.8 47.8
 148 63.8 45.2 84.0

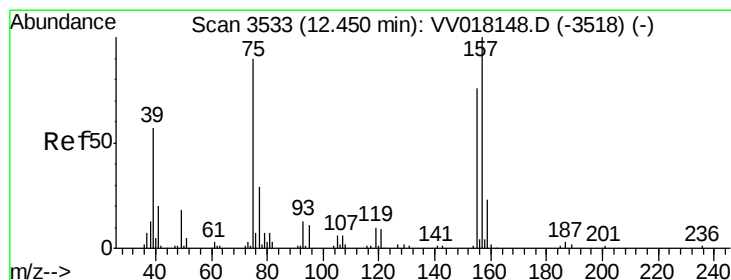
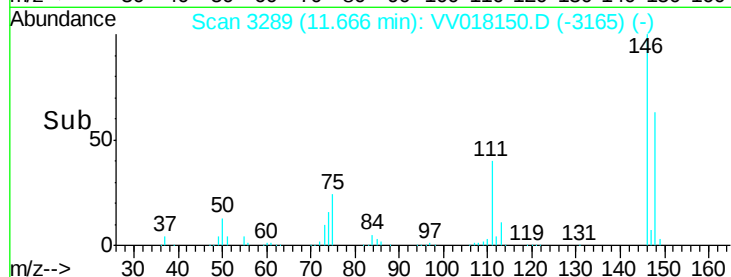
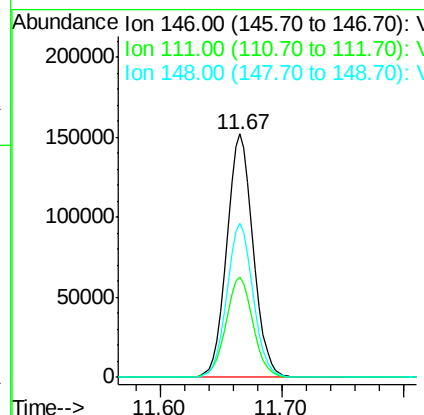
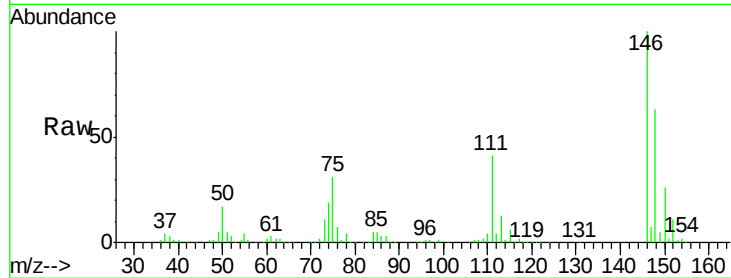




#67
 1,2-Dichlorobenzene
 Concen: 60.854 ug/L
 RT: 11.67 min Scan# 3289
 Delta R.T. -0.00 min
 Lab File: VV018150.D
 Acq: 03 Sep 2020 12:20

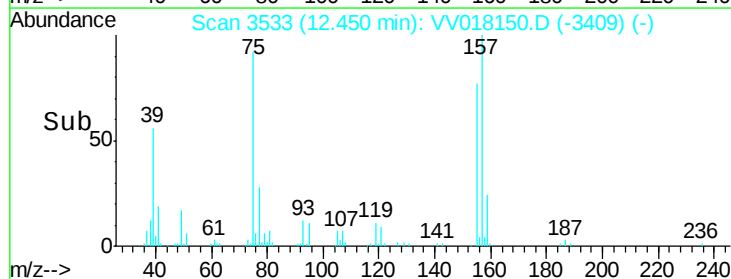
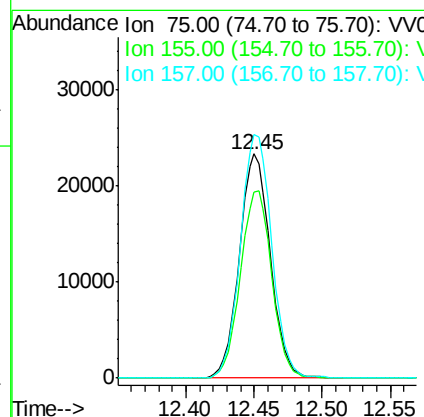
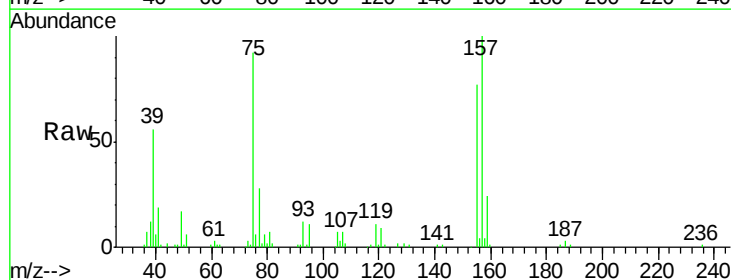
Instrument :
 MSVOA_V
 ClientSampleId :
 A5169MS

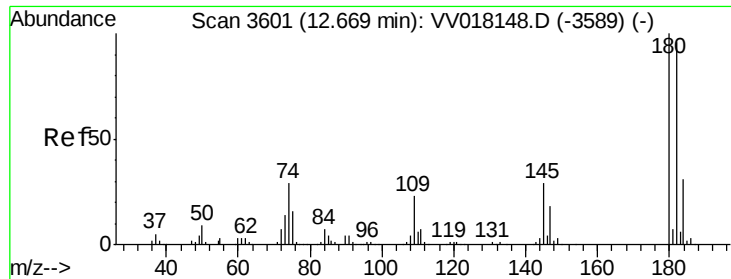
Tot Ion	Ratio	Lower	Upper
146	100		
111	41.3	32.2	48.2
148	63.4	53.2	79.8



#68
 1,2-Dibromo-3-chloropropane
 Concen: 60.886 ug/L
 RT: 12.45 min Scan# 3533
 Delta R.T. -0.00 min
 Lab File: VV018150.D
 Acq: 03 Sep 2020 12:20

Tgt Ion	Ratio	Lower	Upper
75	100		
155	83.2	81.2	121.8
157	108.6	102.3	153.5

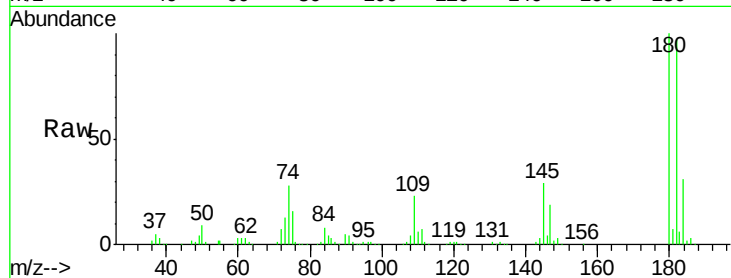




#69
 1,3,5-Trichlorobenzene
 Concen: 58.616 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. -0.00 min
 Lab File: VV018150.D
 Acq: 03 Sep 2020 12:20

Instrument :
 MSVOA_V
 ClientSampleId :
 A5169MS

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.3	76.5	114.7
184	30.8	24.6	36.8
145	29.1	22.5	33.7

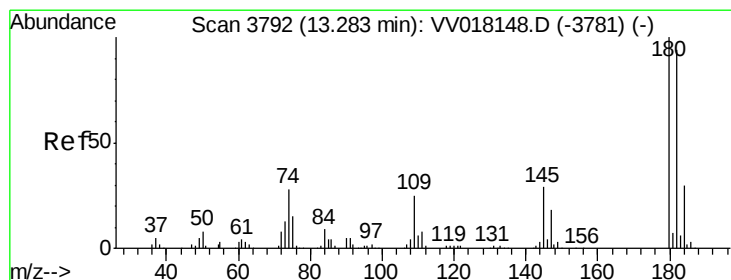
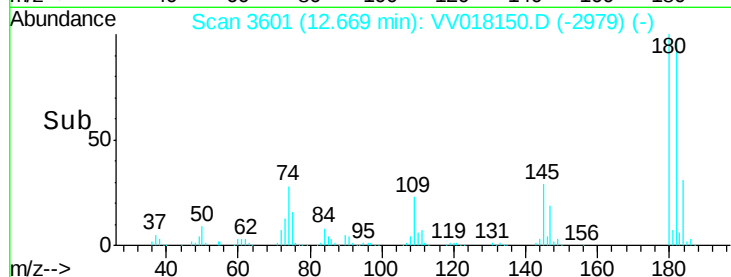
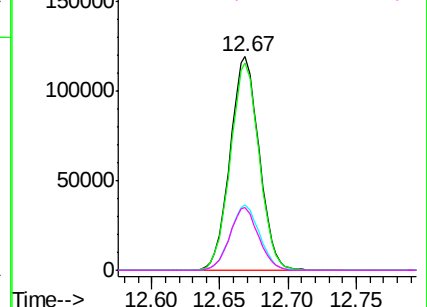


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

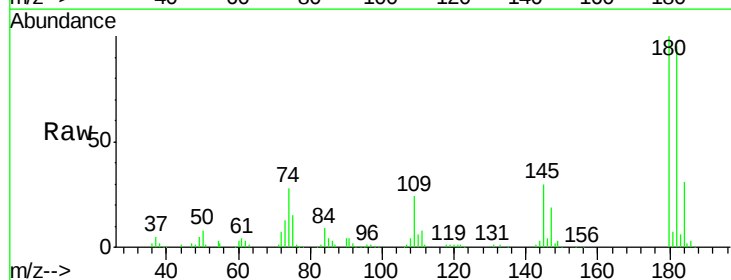
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#70
 1,2,4-trichlorobenzene
 Concen: 63.972 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. 0.00 min
 Lab File: VV018150.D
 Acq: 03 Sep 2020 12:20

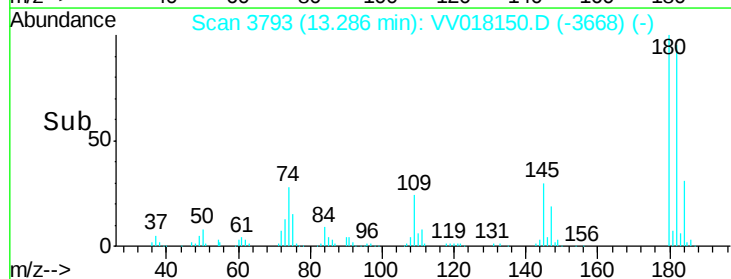
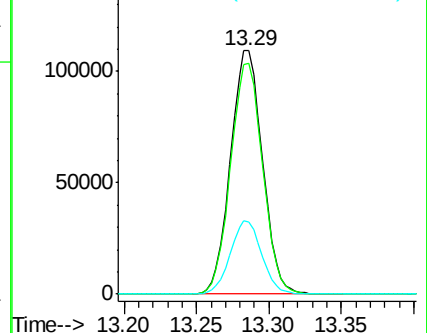
Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.8	76.5	114.7
145	29.4	23.3	34.9

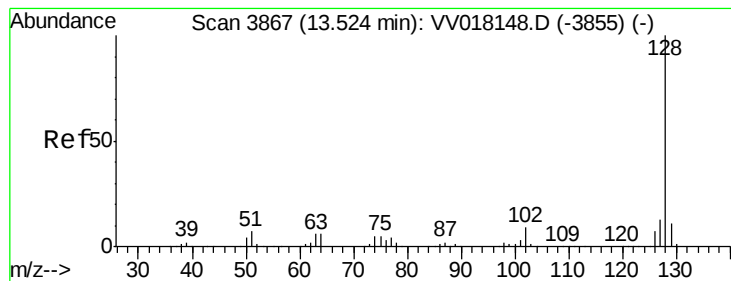


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#71

Naphthalene

Concen: 71.044 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. -0.00 min

Lab File: VV018150.D

Acq: 03 Sep 2020 12:20

Instrument :

MSVOA_V

ClientSampleId :

A5169MS

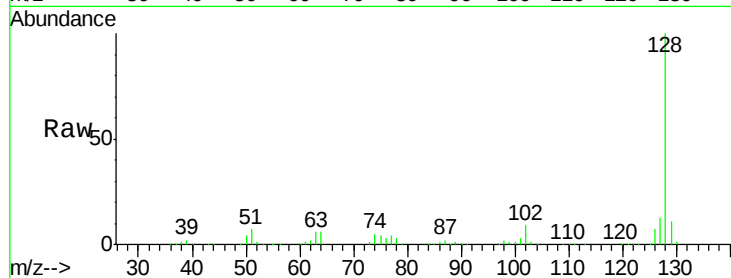
Tot Ion:128 Resp: 470778

Ion Ratio Lower Upper

128 100

127 13.1 10.6 15.8

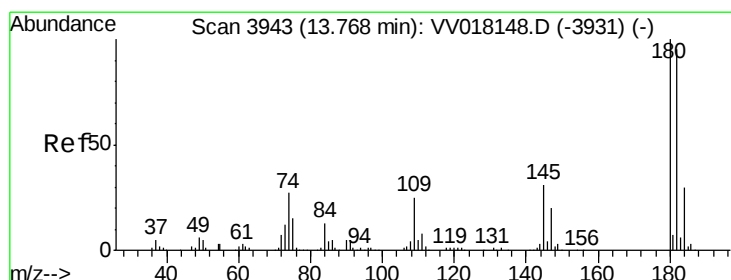
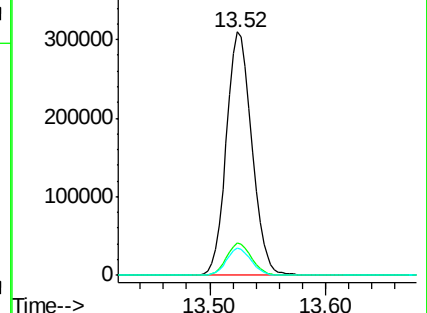
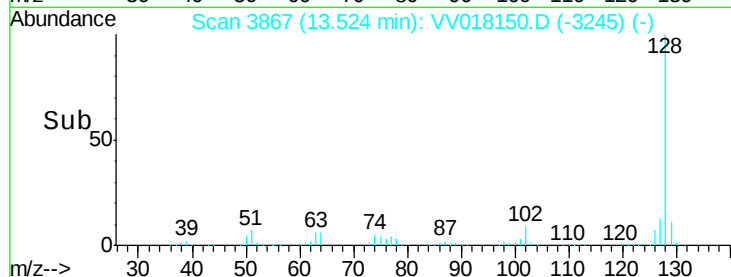
129 10.9 8.6 12.8



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



#72

1,2,3-Trichlorobenzene

Concen: 65.165 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. -0.00 min

Lab File: VV018150.D

Acq: 03 Sep 2020 12:20

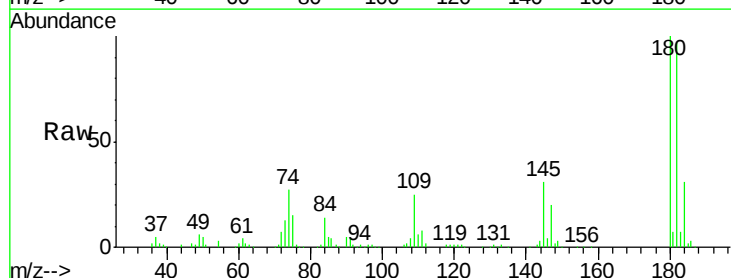
Tgt Ion:180 Resp: 171454

Ion Ratio Lower Upper

180 100

182 96.6 77.2 115.8

145 31.3 24.6 36.8



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

