

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV032520\
 Data File : VV015130.D
 Acq On : 25 Mar 2020 05:47
 Operator : SY/MD
 Sample : VSTD20065
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Mar 25 06:53:51 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM032520WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Mar 25 06:43:52 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	535021	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	486205	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	209426	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	919927	187.23	ug/L	0.00
7) Chloroethane-d5	1.58	69	922034	213.87	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.12	63	1737496	208.37	ug/L	0.00
21) 2-Butanone-d5	3.93	46	1626744	483.47	ug/L	0.00
24) Chloroform-d	4.38	84	1746282	226.33	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.06	65	1184471	237.31	ug/L	0.00
32) Benzene-d6	5.08	84	3284492	217.23	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.09	67	1115110	223.22	ug/L	0.00
41) Toluene-d8	7.34	98	2773611	201.09	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.64	79	602229	229.39	ug/L	0.00
47) 2-Hexanone-d5	8.11	63	1261359	491.68	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.24	84	1710700	240.00	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.65	152	1003159	209.94	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.14	85	590891	153.491	ug/L	99
3) Chloromethane	1.25	50	1113214	203.978	ug/L	98
5) Vinyl chloride	1.32	62	976166	192.604	ug/L	99
6) Bromomethane	1.53	94	731491	228.232	ug/L	98
8) Chloroethane	1.60	64	727073	183.125	ug/L	98
9) Trichlorofluoromethane	1.76	101	1189484	191.033	ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	562057	180.064	ug/L	98
12) 1,1-Dichloroethene	2.13	96	718002	205.291	ug/L	95
13) Acetone	2.22	43	903676	346.455	ug/L	97
14) Carbon disulfide	2.31	76	1883512	210.132	ug/L	100
15) Methyl Acetate	2.46	43	1031484	223.929	ug/L	100
16) Methylene chloride	2.52	84	936319	221.151	ug/L	98
17) trans-1,2-Dichloroethene	2.78	96	708305	204.203	ug/L	98
18) Methyl tert-butyl Ether	2.79	73	3080988	227.224	ug/L	100
19) 1,1-Dichloroethane	3.21	63	1472582	207.965	ug/L	98
20) cis-1,2-Dichloroethene	3.94	96	899758	218.215	ug/L	# 98
22) 2-Butanone	4.02	43	1500042	417.243	ug/L	# 71
23) Bromochloromethane	4.28	128	489663	233.757	ug/L	97
25) Chloroform	4.40	83	1530814	215.172	ug/L	100
27) 1,2-Dichloroethane	5.16	62	1260141	220.135	ug/L	100
29) Cyclohexane	4.70	56	827127	161.175	ug/L	99
30) 1,1,1-Trichloroethane	4.63	97	1147945	200.522	ug/L	99
31) Carbon tetrachloride	4.85	117	885361	186.950	ug/L	98
33) Benzene	5.13	78	3126290	209.163	ug/L	100
34) Trichloroethene	5.94	95	710710	200.203	ug/L	98
35) Methylcyclohexane	6.15	83	829760	167.002	ug/L	100
37) 1,2-Dichloropropane	6.20	63	870737	215.297	ug/L	99
38) Bromodichloromethane	6.53	83	1242374	221.728	ug/L	98
39) cis-1,3-Dichloropropene	7.05	75	1435256	218.603	ug/L	98
40) 4-Methyl-2-pentanone	7.25	43	3011155	445.209	ug/L	100

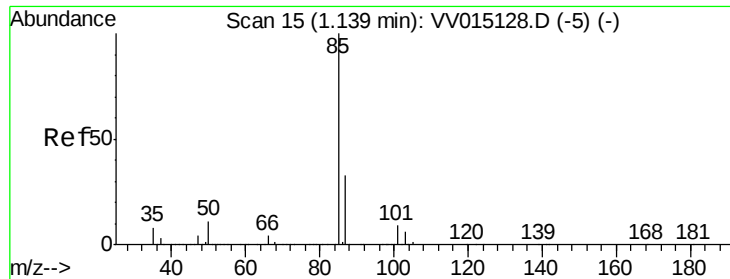
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV032520\
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 Operator : SY/MD
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 Quant Title : VOC Analysis
 QLast Update : Wed Mar 25 06:43:52 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.41	91	3017293	193.372	ug/L	99
44) trans-1,3-Dichloropropene	7.67	75	1422979	230.494	ug/L	100
45) 1,1,2-Trichloroethane	7.86	97	909519	230.548	ug/L	98
46) Tetrachloroethene	8.00	164	431729	180.782	ug/L	96
48) 2-Hexanone	8.16	43	2370950	456.733	ug/L	98
49) Dibromochloromethane	8.27	129	1025458	228.105	ug/L	98
50) 1,2-Dibromoethane	8.37	107	987728	228.495	ug/L	100
51) Chlorobenzene	8.90	112	1942627	193.604	ug/L	100
52) Ethylbenzene	9.03	91	3020049	181.040	ug/L	100
53) m,p-Xylene	9.16	106	1163610	183.483	ug/L	99
54) o-xylene	9.57	106	1236279	187.092	ug/L	99
55) Styrene	9.58	104	2218388	193.775	ug/L	99
56) Isopropylbenzene	9.95	105	2819521	176.172	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.26	83	1525138	226.311	ug/L	99
59) 1,2,3-Trichloropropane	10.30	75	1225640	224.589	ug/L	100
61) Bromoform	9.75	173	733437	243.069	ug/L	99
62) 1,3-Dichlorobenzene	11.20	146	1344327	194.374	ug/L	99
63) 1,4-Dichlorobenzene	11.30	146	1347274	192.852	ug/L	99
65) 1,2-Dichlorobenzene	11.67	146	1440747	198.021	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.45	75	421093	244.894	ug/L	99
67) 1,3,5-Trichlorobenzene	12.67	180	868002	187.243	ug/L	99
68) 1,2,4-trichlorobenzene	13.28	180	881445	198.268	ug/L	99
69) Naphthalene	13.52	128	4164287	372.682	ug/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	937176	202.867	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 153.491 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV015130.D

Acq: 25 Mar 2020 05:47

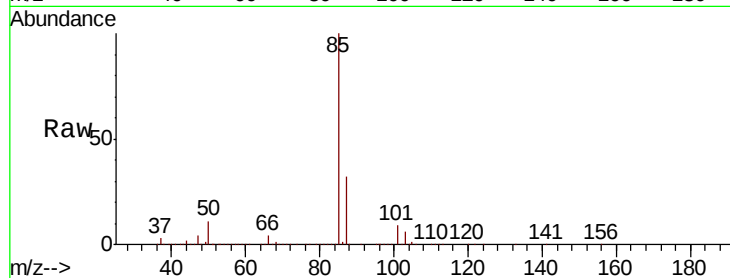
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 85 Resp: 590891

Ion Ratio Lower Upper

85 100

87 32.3 26.2 39.2



Abundance Ion 85.00 (84.70 to 85.70): VV015128.D (-5) (-)

Ion 87.00 (86.70 to 87.70): VV015128.D (-5) (-)

1.14

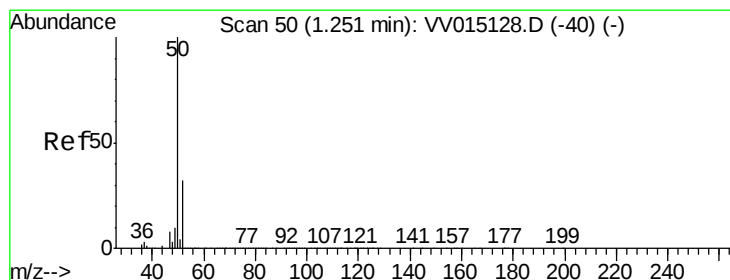
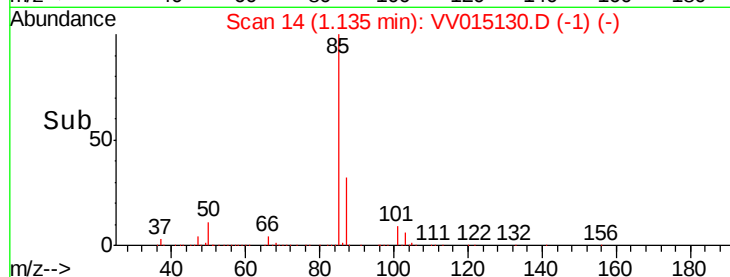
600000

400000

200000

0

Time-->



#3

Chloromethane

Concen: 203.978 ug/L

RT: 1.25 min Scan# 50

Delta R.T. -0.00 min

Lab File: VV015130.D

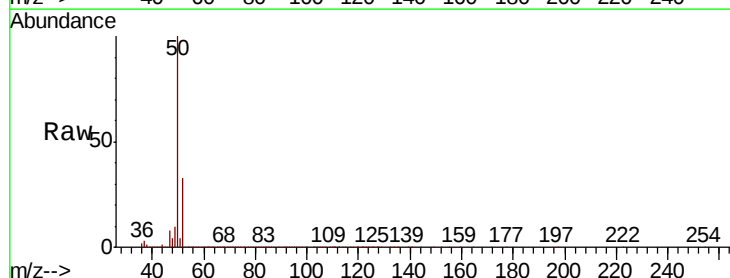
Acq: 25 Mar 2020 05:47

Tgt Ion: 50 Resp: 1113214

Ion Ratio Lower Upper

50 100

52 33.0 22.1 41.1



Abundance Ion 50.00 (49.70 to 50.70): VV015128.D (-40) (-)

Ion 52.00 (51.70 to 52.70): VV015128.D (-40) (-)

1.25

1200000

1000000

800000

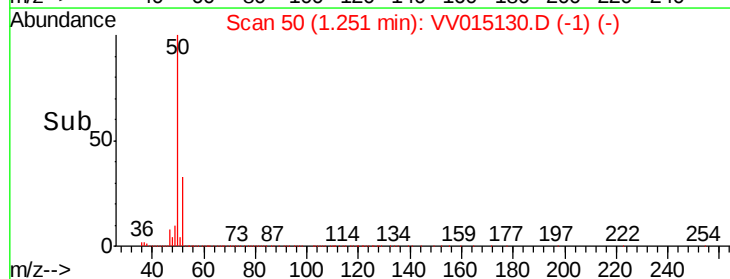
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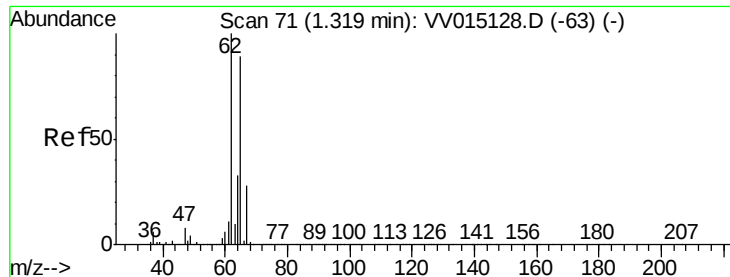
400000

200000

0

Time-->





#5

Vinyl chloride

Concen: 192.604 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV015130.D

Acq: 25 Mar 2020 05:47

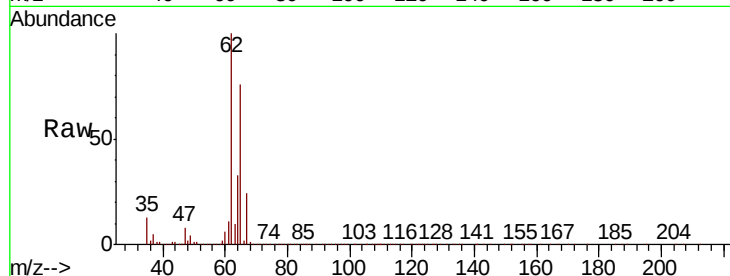
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 62 Resp: 976166

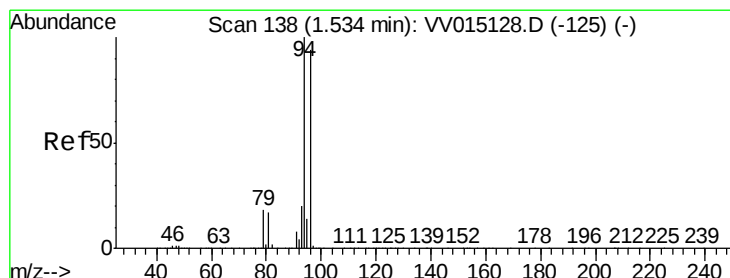
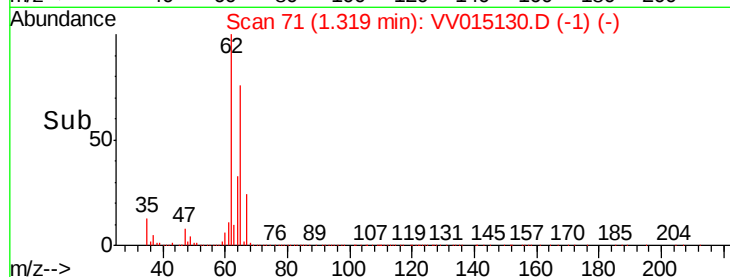
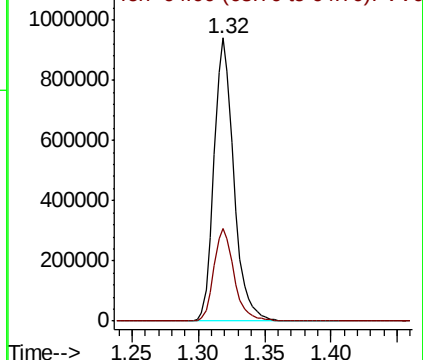
Ion Ratio Lower Upper

62 100

64 32.8 23.2 43.2



Abundance Ion 62.00 (61.70 to 62.70): VV0
Ion 64.00 (63.70 to 64.70): VV0



#6

Bromomethane

Concen: 228.232 ug/L

RT: 1.53 min Scan# 137

Delta R.T. -0.00 min

Lab File: VV015130.D

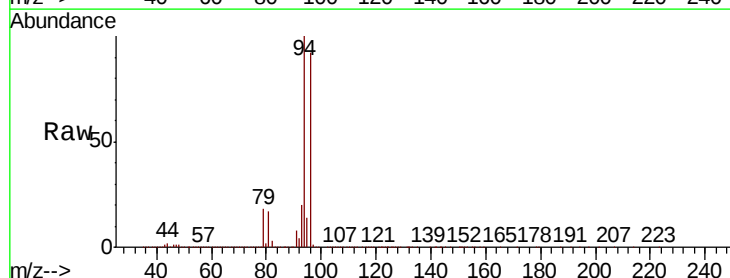
Acq: 25 Mar 2020 05:47

Tgt Ion: 94 Resp: 731491

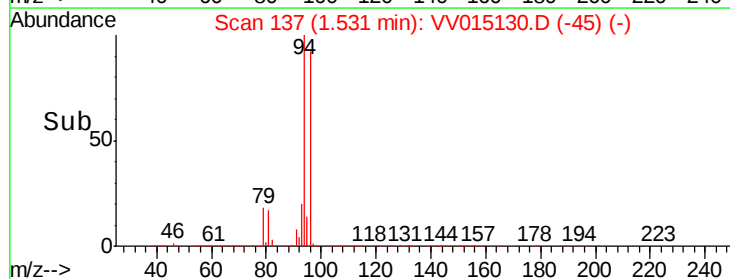
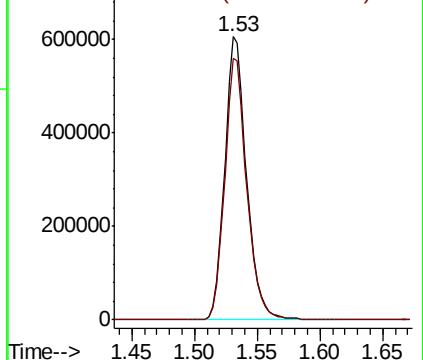
Ion Ratio Lower Upper

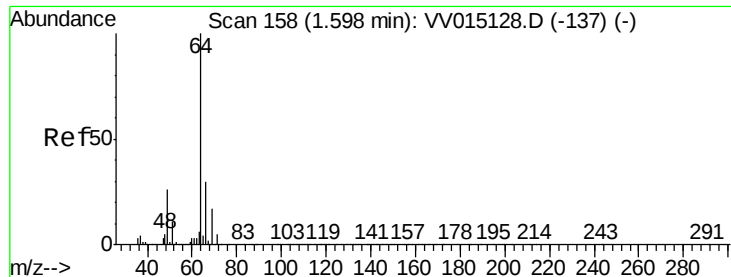
94 100

96 92.5 66.1 122.8



Abundance Ion 94.00 (93.70 to 94.70): VV0
Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 183.125 ug/L

RT: 1.60 min Scan# 157

Delta R.T. -0.00 min

Lab File: VV015130.D

Acq: 25 Mar 2020 05:47

Instrument :

MSVOA_V

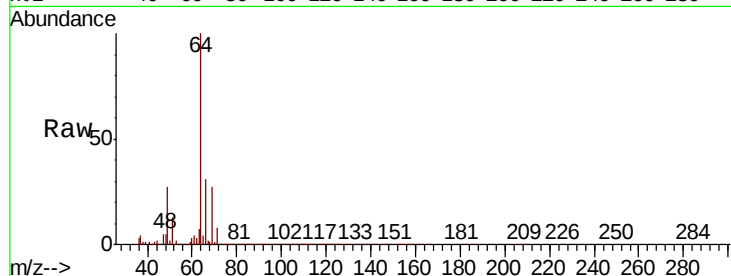
ClientSampleId :

Tot Ion: 64 Resp: 727073

Ion Ratio Lower Upper

64 100

66 31.2 21.2 39.4



Abundance Ion 64.00 (63.70 to 64.70): VV015128.D (-137) (-)

Ion 66.00 (65.70 to 66.70): VV015130.D (-34) (-)

1.60

600000

500000

400000

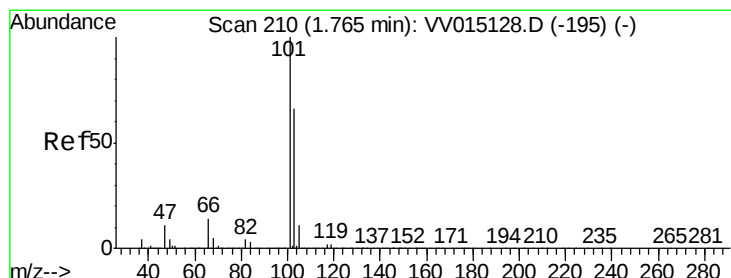
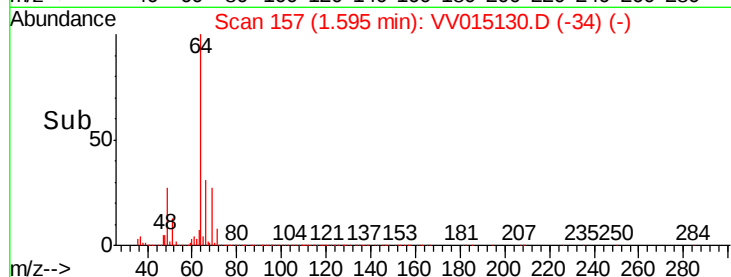
300000

200000

100000

0

Time-->



#9

Trichlorofluoromethane

Concen: 191.033 ug/L

RT: 1.76 min Scan# 209

Delta R.T. -0.00 min

Lab File: VV015130.D

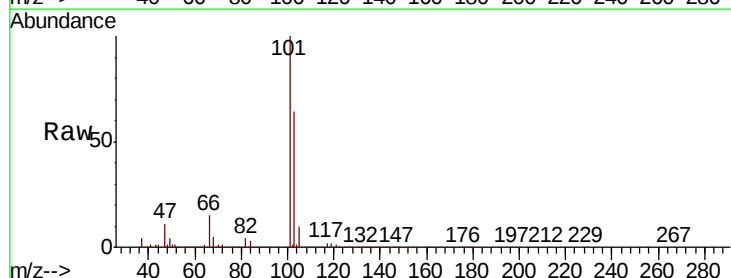
Acq: 25 Mar 2020 05:47

Tgt Ion: 101 Resp: 1189484

Ion Ratio Lower Upper

101 100

103 64.3 52.8 79.2



Abundance Ion 101.00 (100.70 to 101.70): VV015128.D (-195) (-)

Ion 103.00 (102.70 to 103.70): VV015130.D (-86) (-)

1.76

1000000

800000

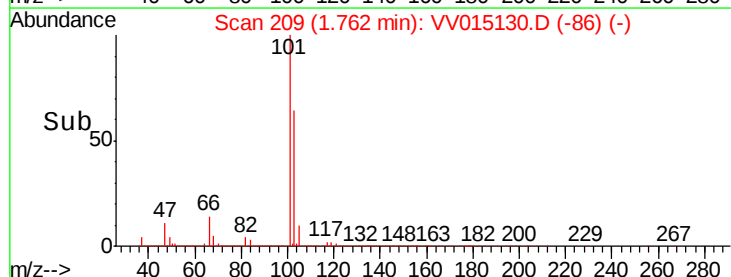
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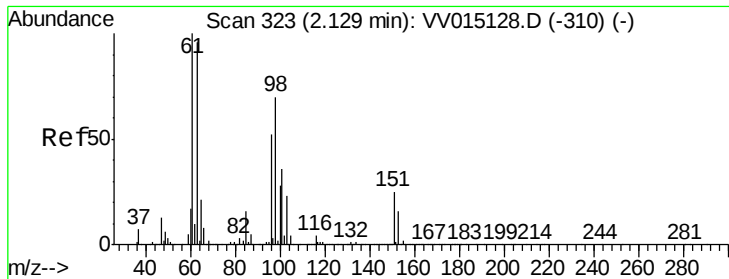
400000

200000

0

Time-->





#10

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

Concen: 180.064 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV015130.D

Acq: 25 Mar 2020 05:47

Instrument :

MSVOA_V

ClientSampled :

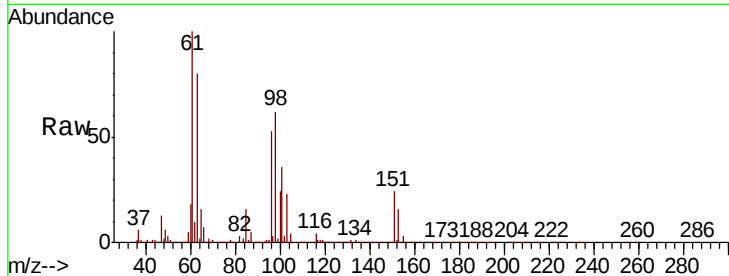
Tot Ion:101 Resp: 562057

Ion Ratio Lower Upper

101 100

85 45.0 36.0 54.0

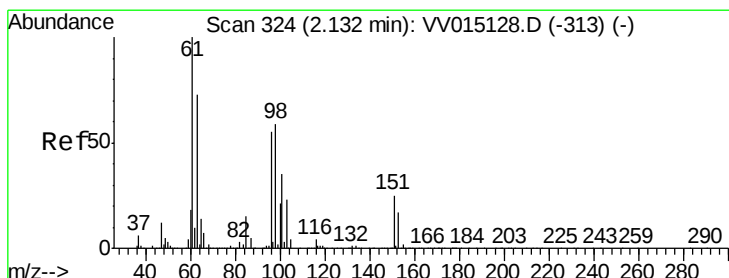
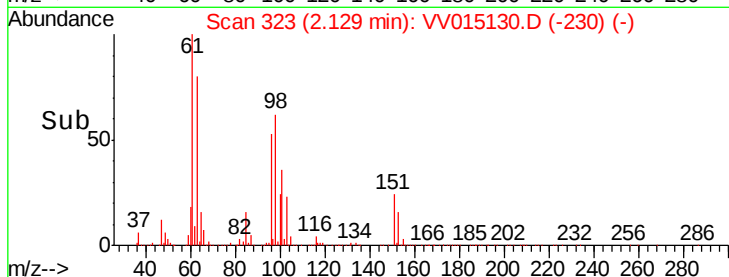
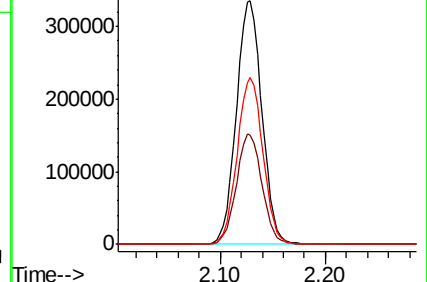
151 68.8 56.7 85.1



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 205.291 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV015130.D

Acq: 25 Mar 2020 05:47

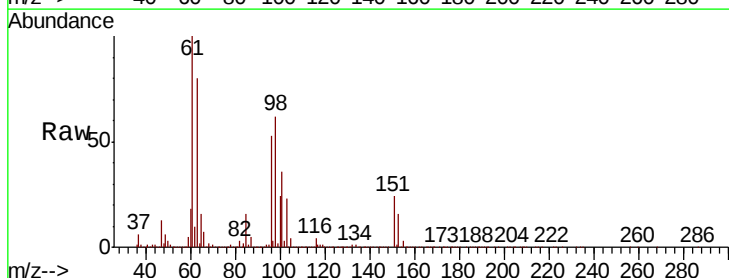
Tgt Ion: 96 Resp: 718002

Ion Ratio Lower Upper

96 100

61 187.3 128.2 238.0

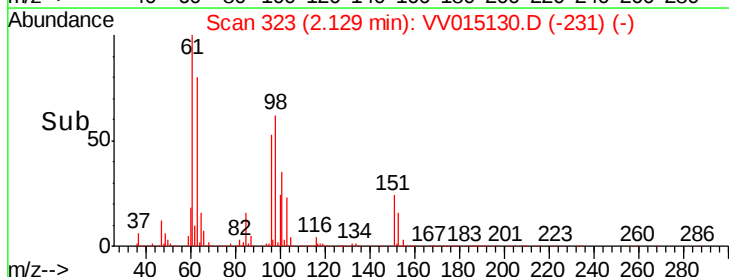
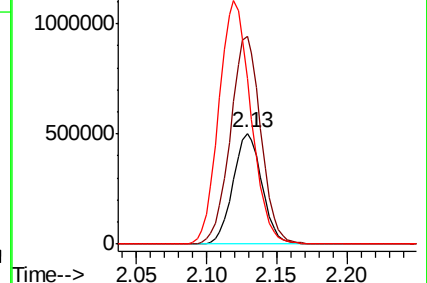
63 149.4 97.9 181.9

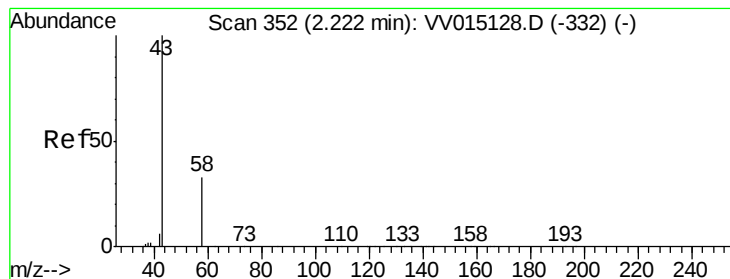


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 346.455 ug/L

RT: 2.22 min Scan# 351

Delta R.T. -0.00 min

Lab File: VV015130.D

Acq: 25 Mar 2020 05:47

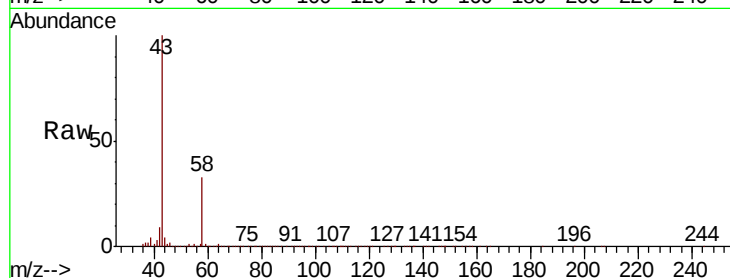
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 903676

Ion Ratio Lower Upper

43 100

58 32.6 0.0 61.6



Abundance Ion 43.00 (42.70 to 43.70): VV015128.D (-332) (-)

Ion 58.00 (57.70 to 58.70): VV015128.D (-332) (-)

500000

400000

300000

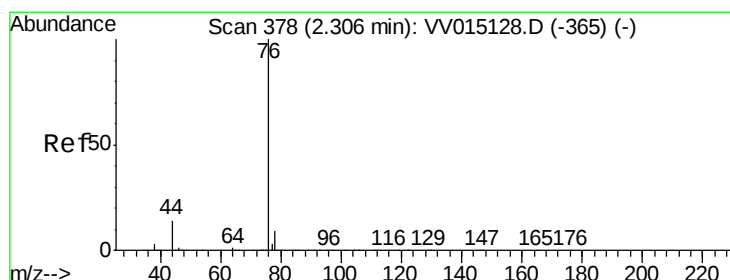
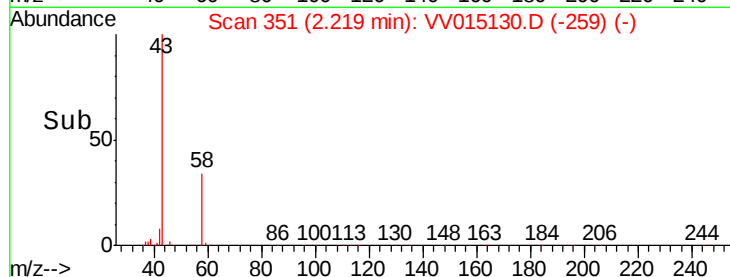
200000

100000

0

2.10 2.20 2.30 2.40

Time-->



#14

Carbon disulfide

Concen: 210.132 ug/L

RT: 2.31 min Scan# 378

Delta R.T. -0.00 min

Lab File: VV015130.D

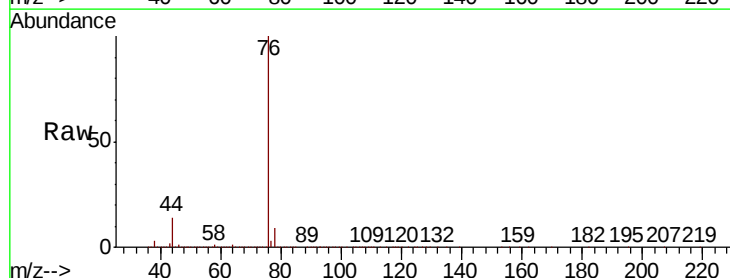
Acq: 25 Mar 2020 05:47

Tgt Ion: 76 Resp: 1883512

Ion Ratio Lower Upper

76 100

78 9.3 7.5 11.3



Abundance Ion 76.00 (75.70 to 76.70): VV015128.D (-365) (-)

Ion 78.00 (77.70 to 78.70): VV015128.D (-365) (-)

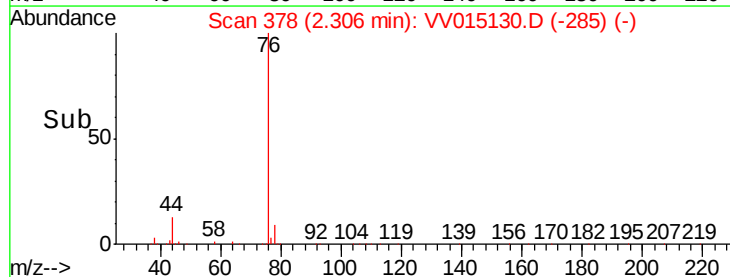
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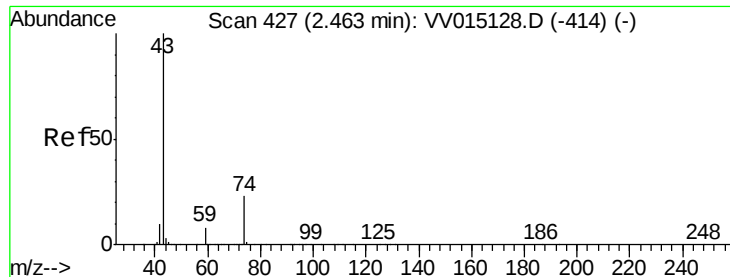
500000

0

2.20 2.30 2.40

Time-->





#15

Methvl Acetate

Concen: 223.929 ug/L

RT: 2.46 min Scan# 426

Delta R.T. -0.00 min

Lab File: VV015130.D

Acq: 25 Mar 2020 05:47

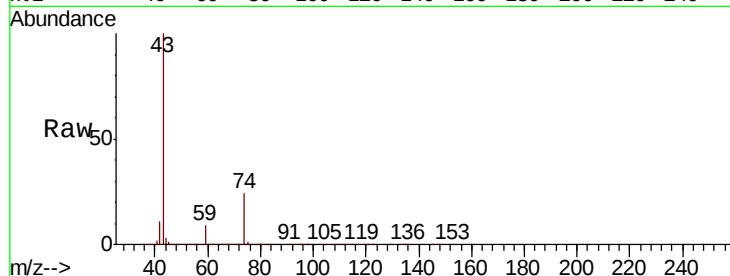
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 1031484

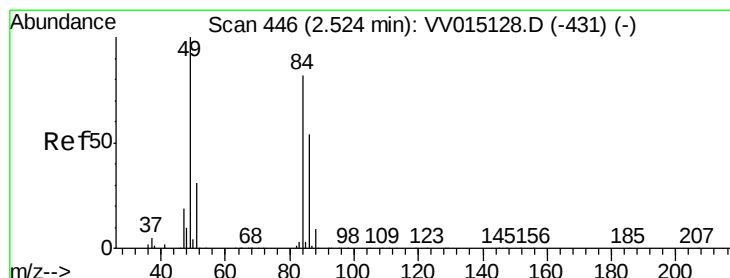
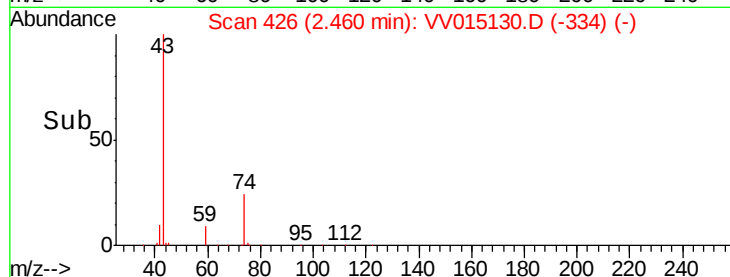
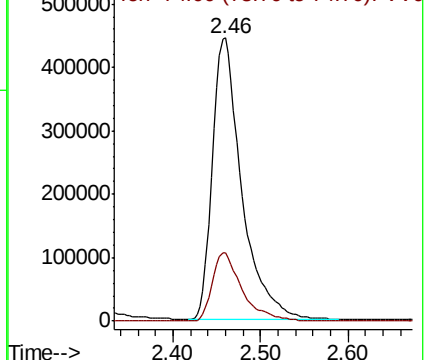
Ion Ratio Lower Upper

43 100

74 25.0 20.1 30.1



Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 74.00 (73.70 to 74.70): VV0



#16

Methylene chloride

Concen: 221.151 ug/L

RT: 2.52 min Scan# 446

Delta R.T. -0.00 min

Lab File: VV015130.D

Acq: 25 Mar 2020 05:47

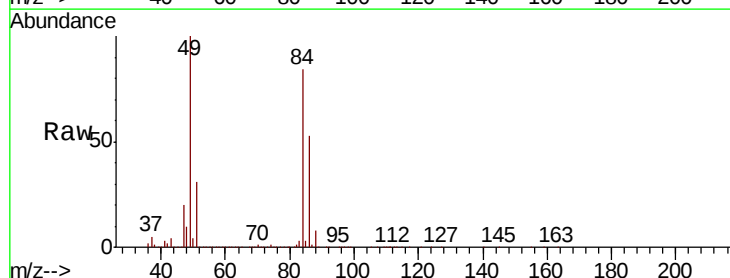
Tgt Ion: 84 Resp: 936319

Ion Ratio Lower Upper

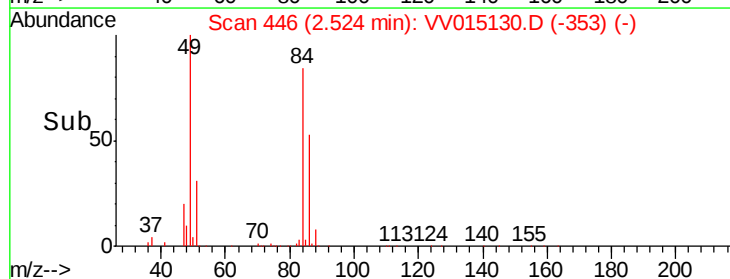
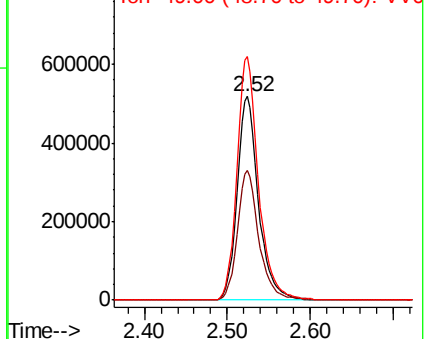
84 100

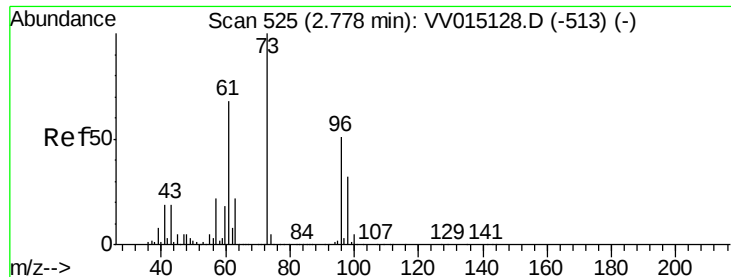
86 63.9 45.6 84.8

49 119.6 85.1 158.1



Abundance Ion 84.00 (83.70 to 84.70): VV0
Ion 86.00 (85.70 to 86.70): VV0
Ion 49.00 (48.70 to 49.70): VV0

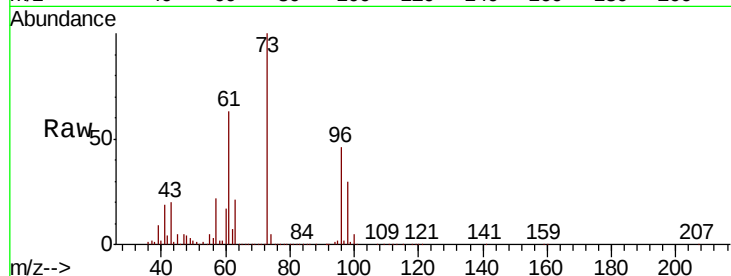




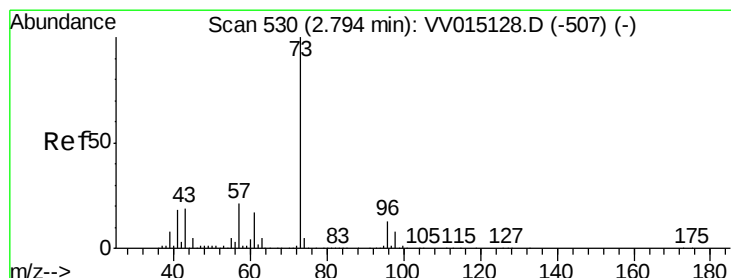
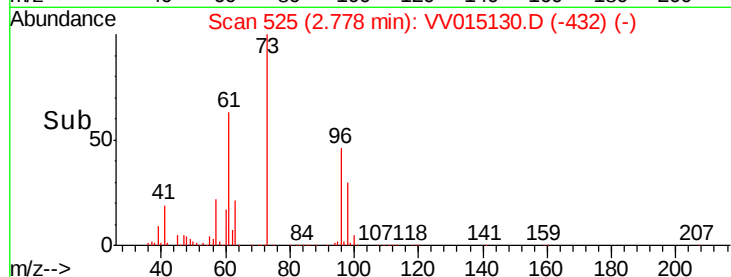
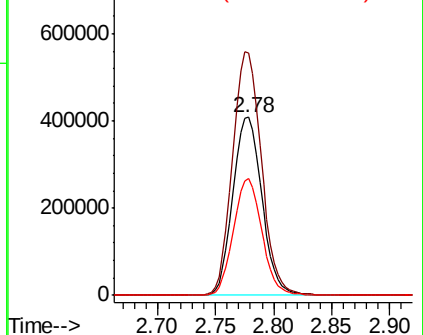
#17
trans-1,2-Dichloroethene
Concen: 204.203 ug/L
RT: 2.78 min Scan# 525
Delta R.T. -0.00 min
Lab File: VV015130.D
Acq: 25 Mar 2020 05:47

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 96 Resp: 708305
Ion Ratio Lower Upper
96 100
61 136.0 93.8 174.2
98 65.5 44.7 83.1

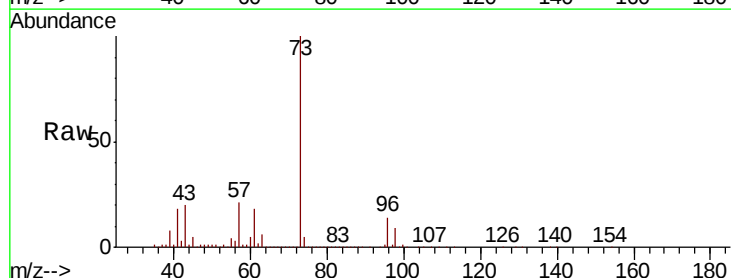


Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 98.00 (97.70 to 98.70): VV0

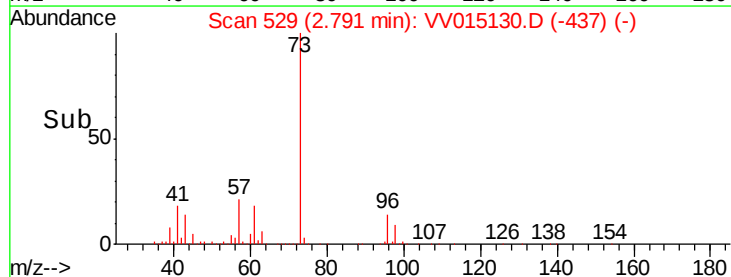
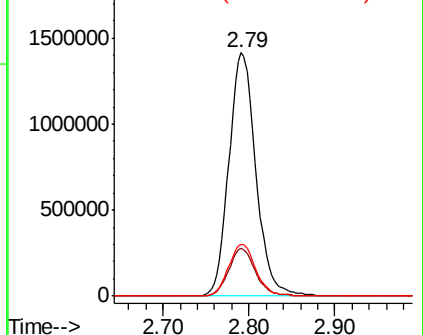


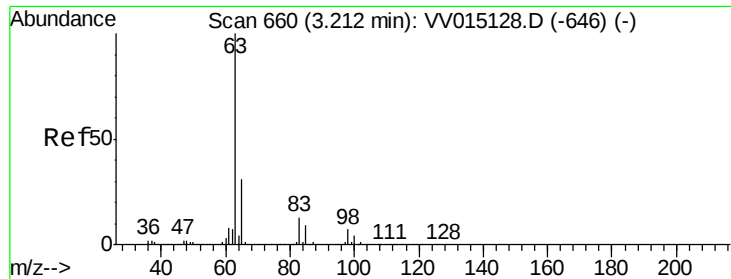
#18
Methyl tert-butyl Ether
Concen: 227.224 ug/L
RT: 2.79 min Scan# 529
Delta R.T. -0.00 min
Lab File: VV015130.D
Acq: 25 Mar 2020 05:47

Tgt Ion: 73 Resp: 3080988
Ion Ratio Lower Upper
73 100
43 19.4 15.3 22.9
57 21.5 17.3 25.9



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: 207.965 ug/L

RT: 3.21 min Scan# 660

Delta R.T. -0.00 min

Lab File: VV015130.D

Acq: 25 Mar 2020 05:47

Instrument :

MSVOA_V

ClientSampleId :

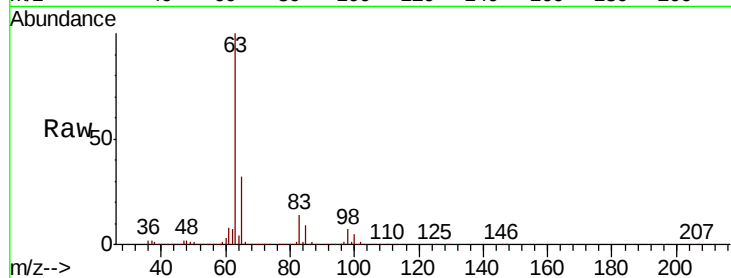
Tot Ion: 63 Resp: 1472582

Ion Ratio Lower Upper

63 100

65 32.2 21.6 40.2

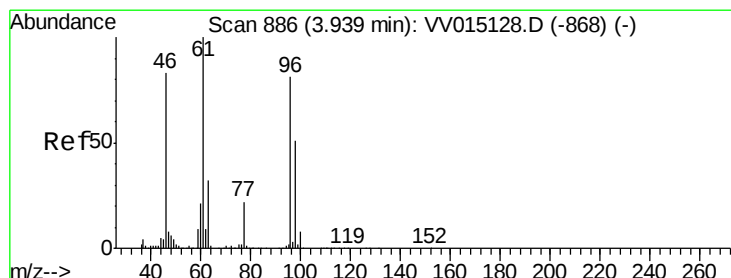
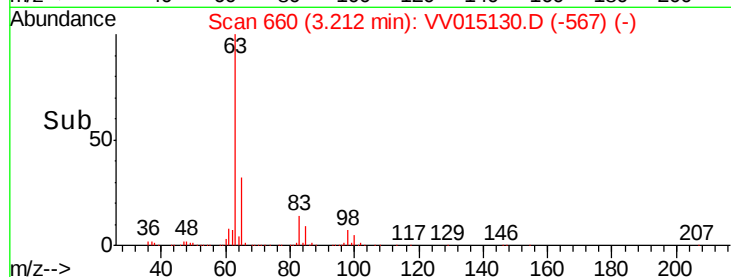
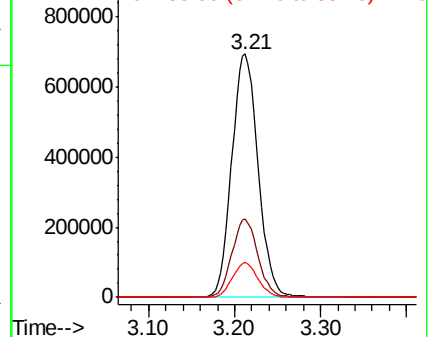
83 14.2 9.5 17.7



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: 218.215 ug/L

RT: 3.94 min Scan# 886

Delta R.T. -0.00 min

Lab File: VV015130.D

Acq: 25 Mar 2020 05:47

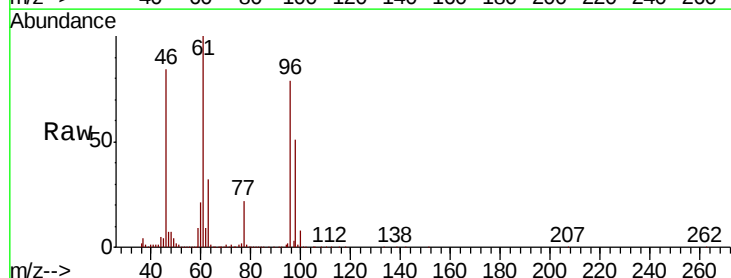
Tgt Ion: 96 Resp: 899758

Ion Ratio Lower Upper

96 100

61 126.2 86.7 160.9

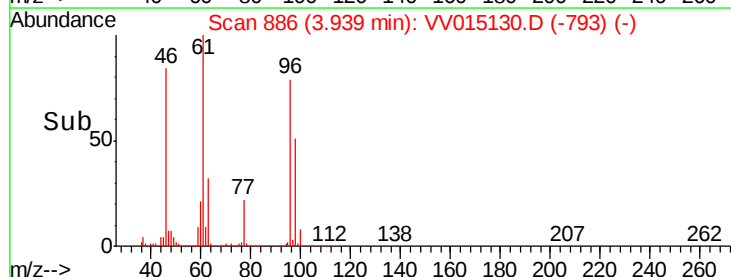
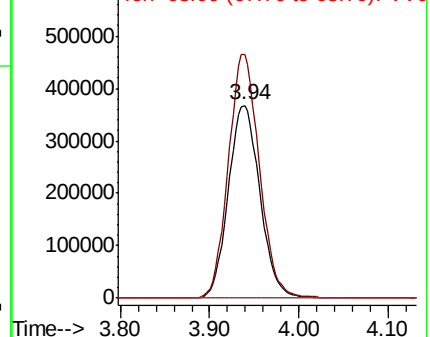
68 0.1 0.1 0.3#

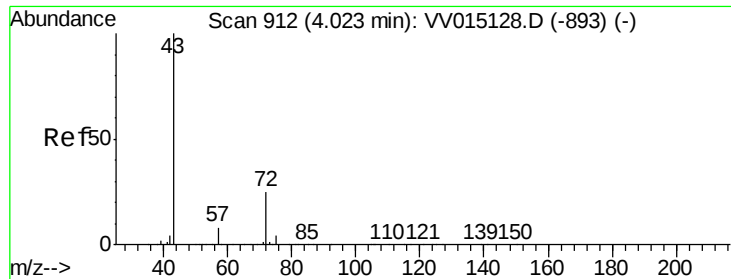


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 68.00 (67.70 to 68.70): VV0





#22

2-Butanone

Concen: 417.243 ug/L

RT: 4.02 min Scan# 910

Delta R.T. -0.01 min

Lab File: VV015130.D

Acq: 25 Mar 2020 05:47

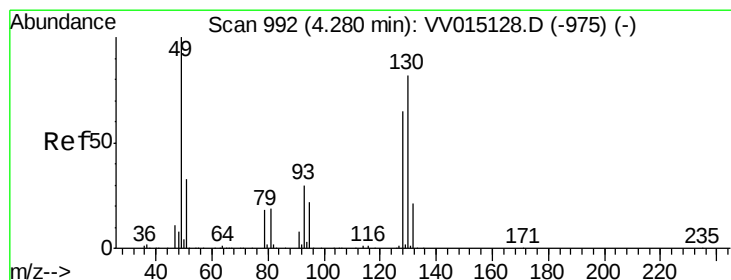
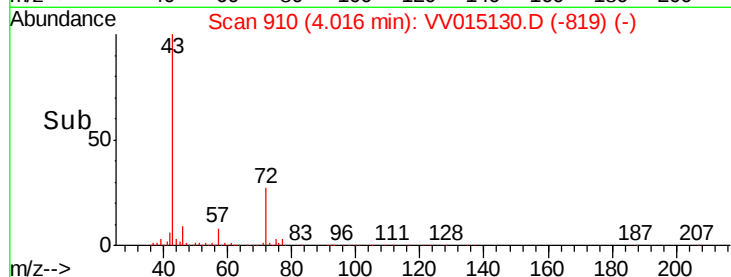
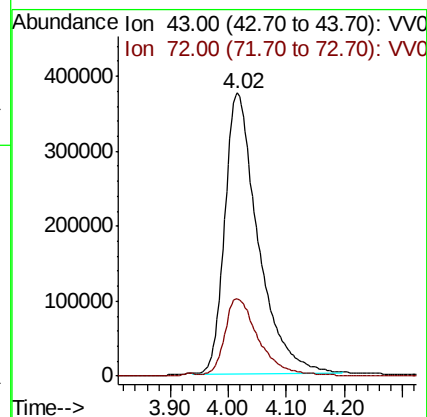
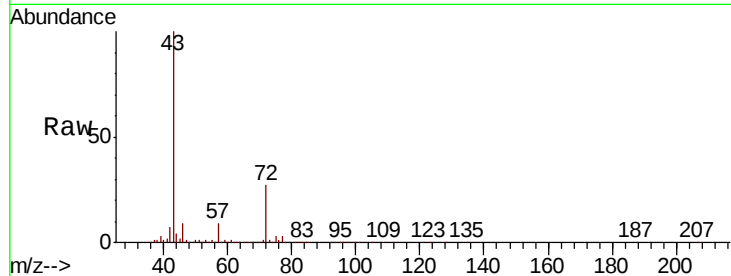
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 1500042

Ion Ratio Lower Upper

43 100

72 27.4 0.1 0.5#



#23

Bromochloromethane

Concen: 233.757 ug/L

RT: 4.28 min Scan# 991

Delta R.T. -0.00 min

Lab File: VV015130.D

Acq: 25 Mar 2020 05:47

Tgt Ion:128 Resp: 489663

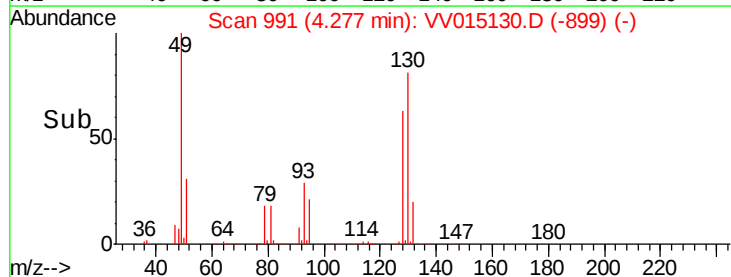
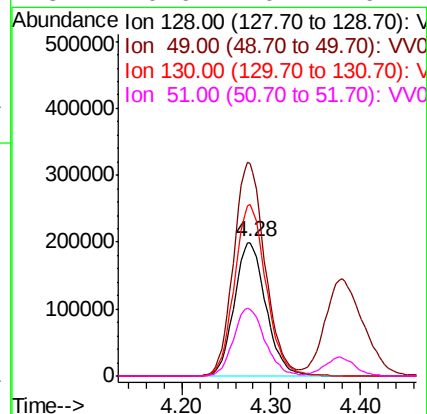
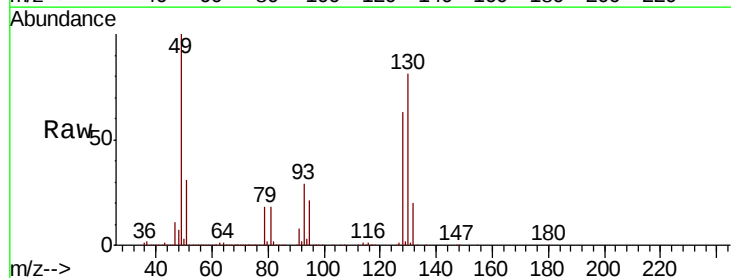
Ion Ratio Lower Upper

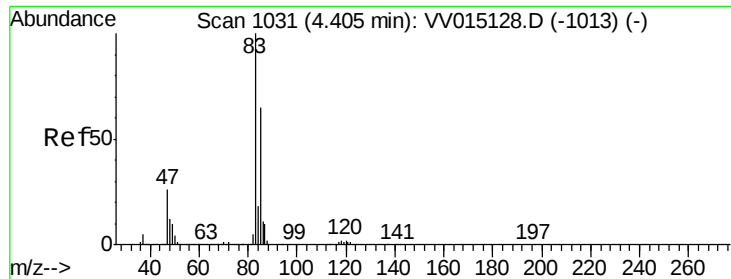
128 100

49 159.4 107.9 200.5

130 128.4 88.2 163.8

51 49.9 40.7 61.1





#25

Chloroform

Concen: 215.172 ug/L

RT: 4.40 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VV015130.D

Acq: 25 Mar 2020 05:47

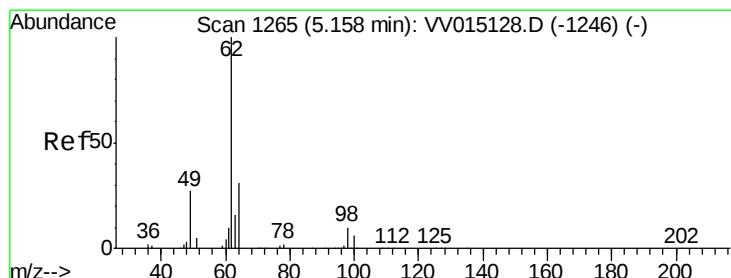
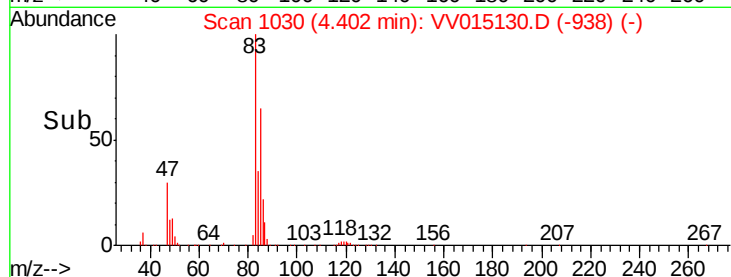
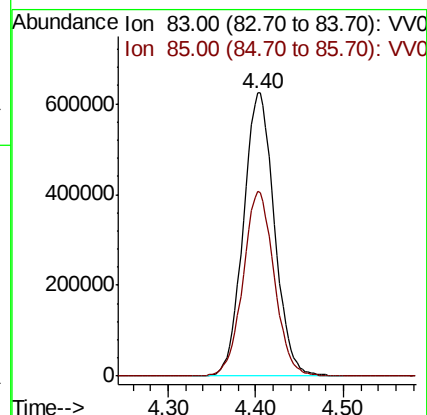
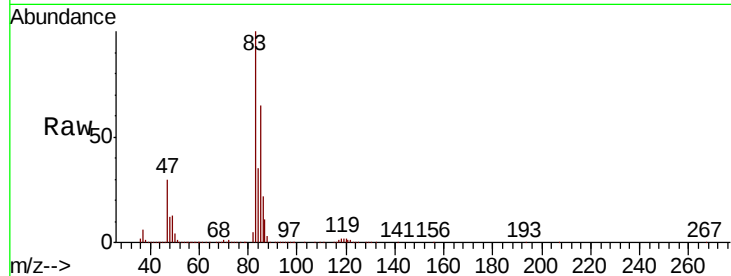
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 83 Resp: 1530814

Ion Ratio Lower Upper

83 100

85 65.3 45.7 84.9



#27

1,2-Dichloroethane

Concen: 220.135 ug/L

RT: 5.16 min Scan# 1265

Delta R.T. -0.00 min

Lab File: VV015130.D

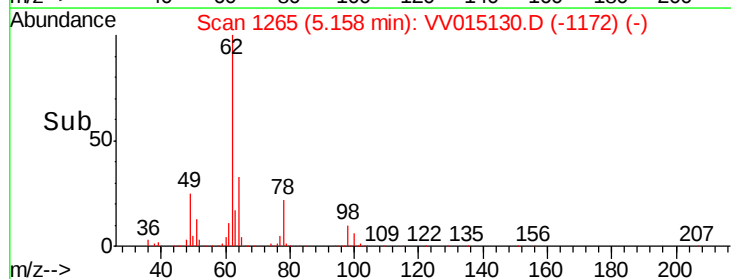
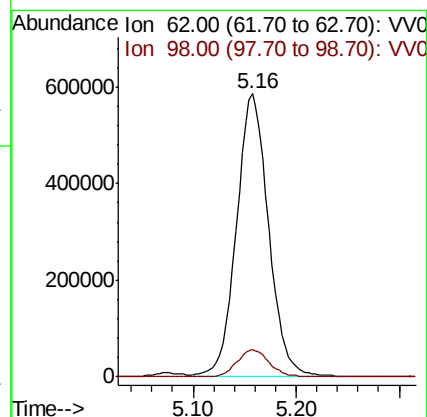
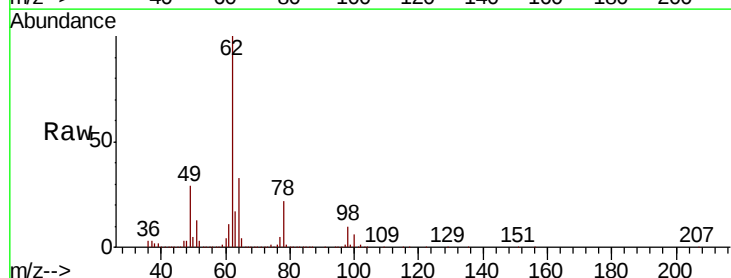
Acq: 25 Mar 2020 05:47

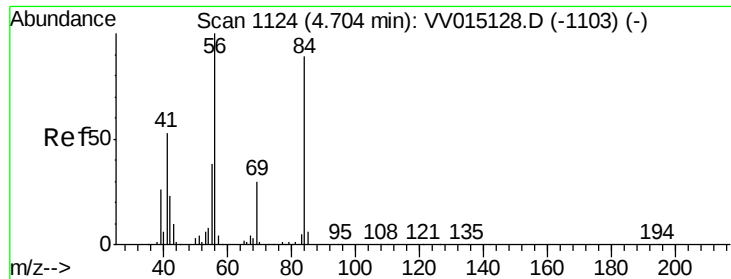
Tgt Ion: 62 Resp: 1260141

Ion Ratio Lower Upper

62 100

98 9.5 7.7 11.5

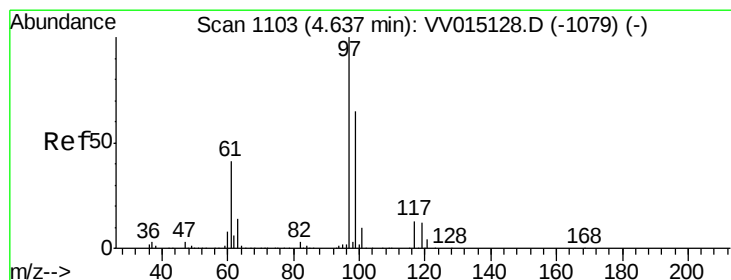
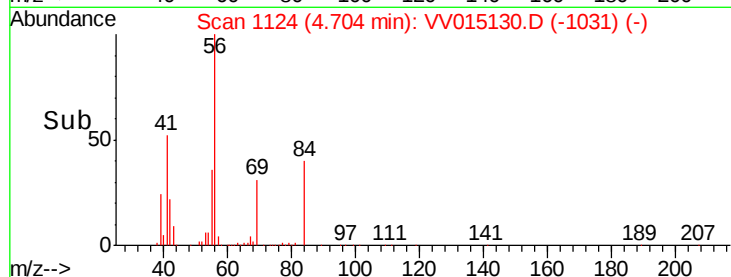
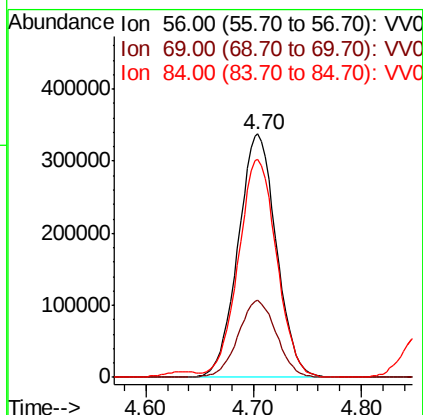
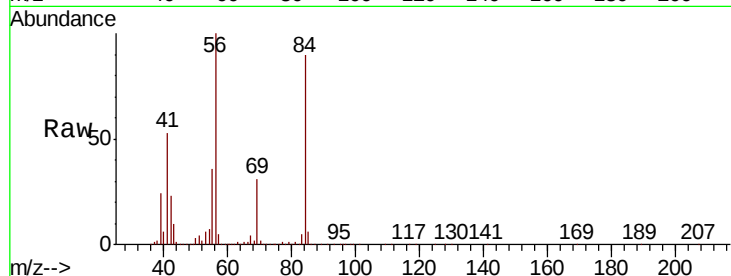




#29
Cvclohexane
Concen: 161.175 ug/L
RT: 4.70 min Scan# 1124
Delta R.T. -0.00 min
Lab File: VV015130.D
Acq: 25 Mar 2020 05:47

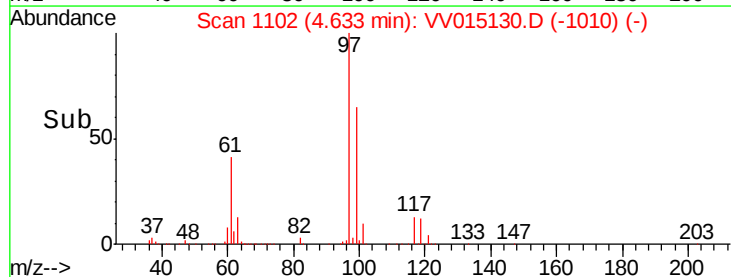
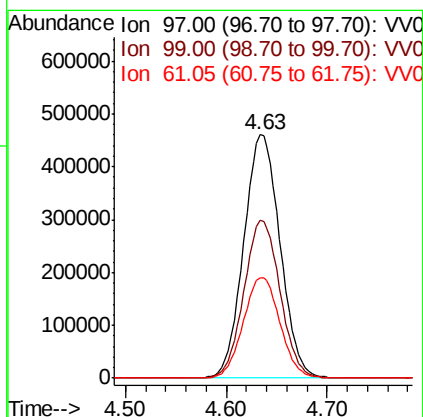
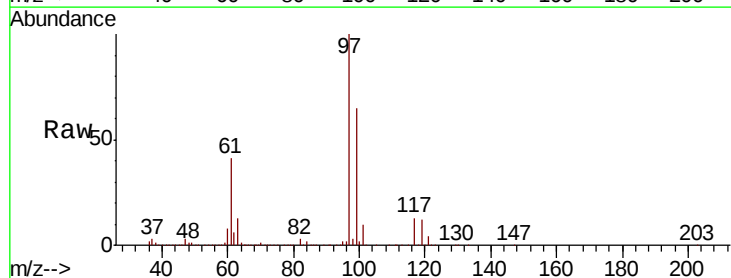
Instrument :
MSVOA_V
ClientSampled :

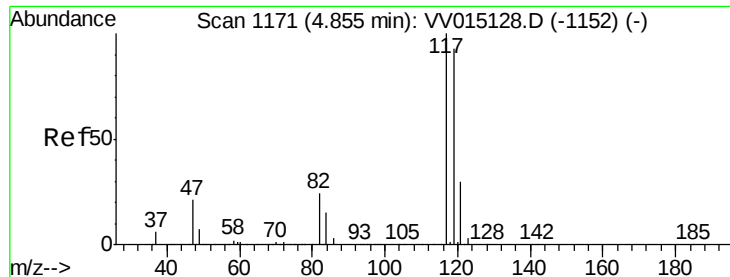
Tot Ion: 56 Resp: 827127
Ion Ratio Lower Upper
56 100
69 31.7 24.9 37.3
84 90.6 72.0 108.0



#30
1,1,1-Trichloroethane
Concen: 200.522 ug/L
RT: 4.63 min Scan# 1102
Delta R.T. -0.00 min
Lab File: VV015130.D
Acq: 25 Mar 2020 05:47

Tgt Ion: 97 Resp: 1147945
Ion Ratio Lower Upper
97 100
99 64.5 51.2 76.8
61 41.8 33.9 50.9



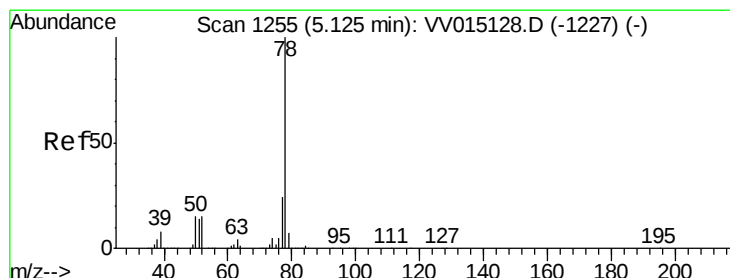
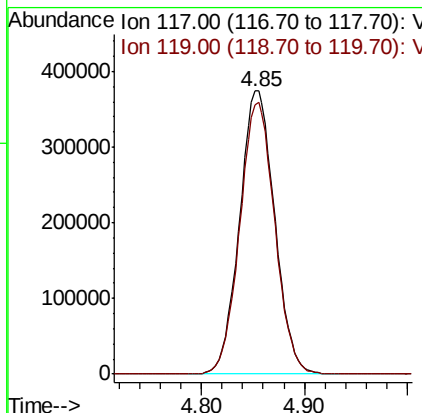
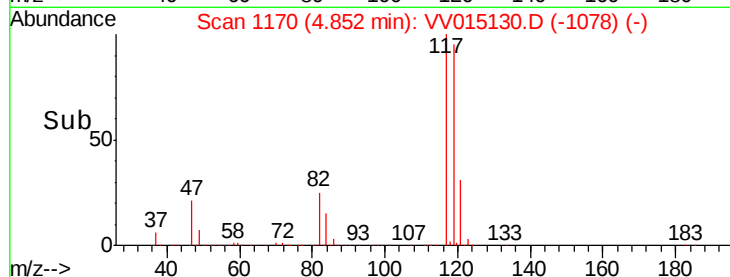
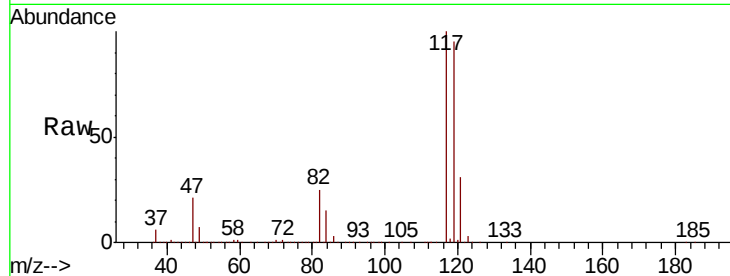


#31

Carbon tetrachloride
 Concen: 186.950 ug/L
 RT: 4.85 min Scan# 1170
 Delta R.T. -0.00 min
 Lab File: VV015130.D
 Acq: 25 Mar 2020 05:47

Instrument :
 MSVOA_V
 ClientSampleId :

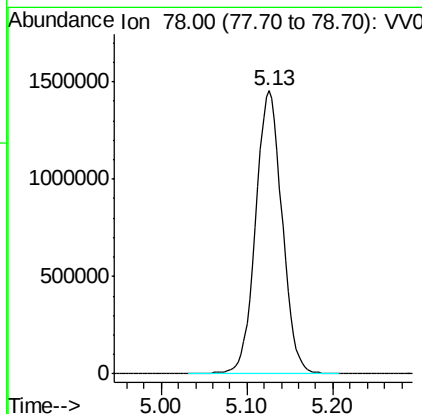
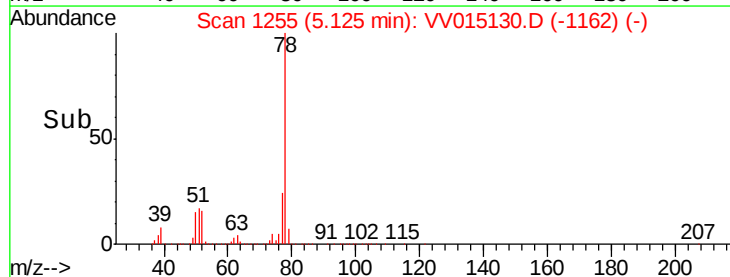
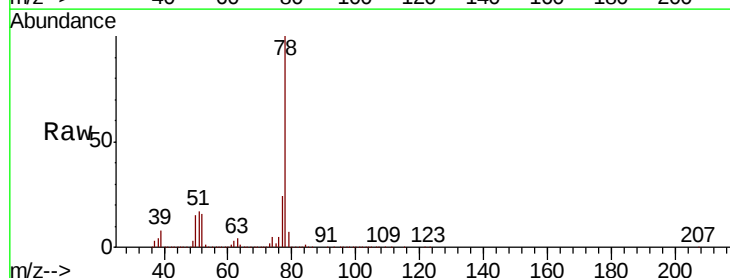
Tot Ion:117 Resp: 885361
 Ion Ratio Lower Upper
 117 100
 119 95.6 74.9 112.3

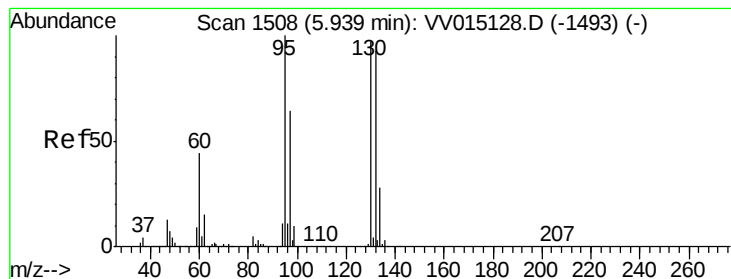


#33

Benzene
 Concen: 209.163 ug/L
 RT: 5.13 min Scan# 1255
 Delta R.T. -0.00 min
 Lab File: VV015130.D
 Acq: 25 Mar 2020 05:47

Tgt Ion: 78 Resp: 3126290





#34

Trichloroethene

Concen: 200.203 ug/L

RT: 5.94 min Scan# 1507

Delta R.T. -0.00 min

Lab File: VV015130.D

Acq: 25 Mar 2020 05:47

Instrument :

MSVOA_V

ClientSampled :

Tot Ion: 95 Resp: 710710

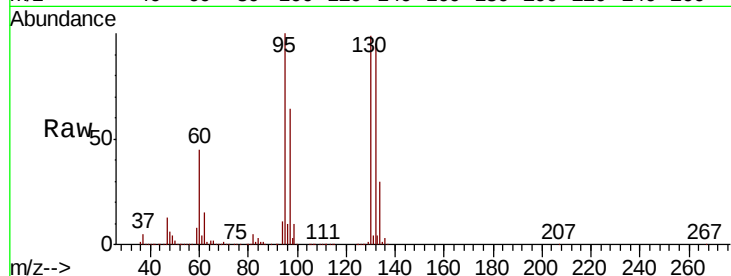
Ion Ratio Lower Upper

95 100

97 63.8 44.7 82.9

132 95.0 65.2 121.2

130 99.2 68.0 126.2

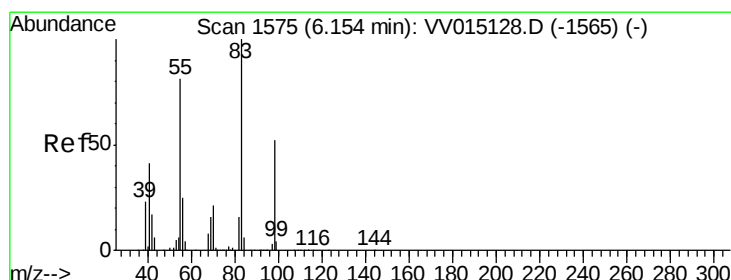
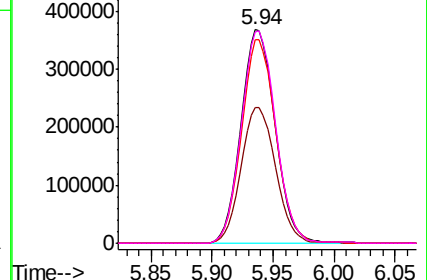
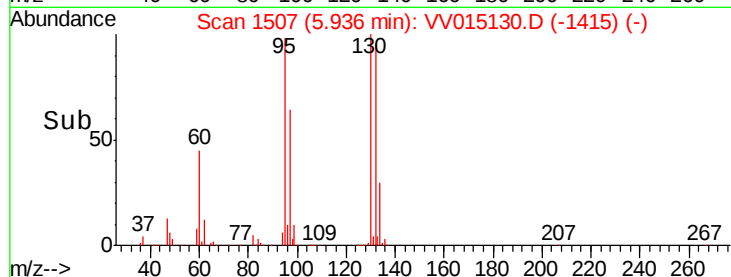


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 167.002 ug/L

RT: 6.15 min Scan# 1575

Delta R.T. -0.00 min

Lab File: VV015130.D

Acq: 25 Mar 2020 05:47

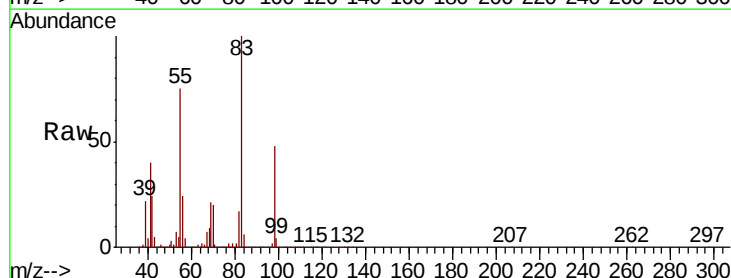
Tgt Ion: 83 Resp: 829760

Ion Ratio Lower Upper

83 100

55 74.1 59.4 89.0

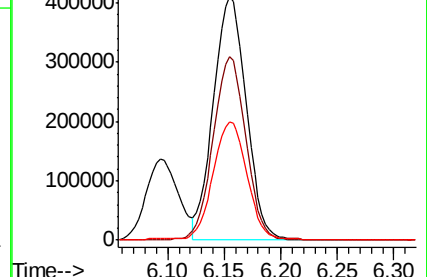
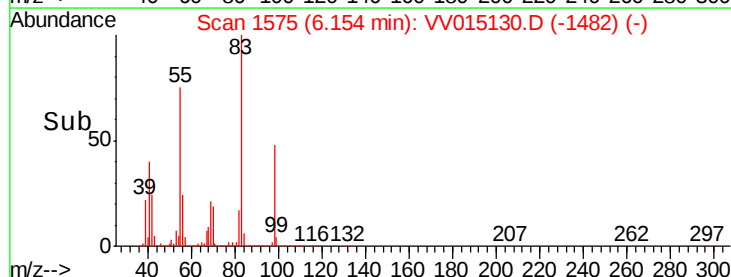
98 49.9 39.8 59.8

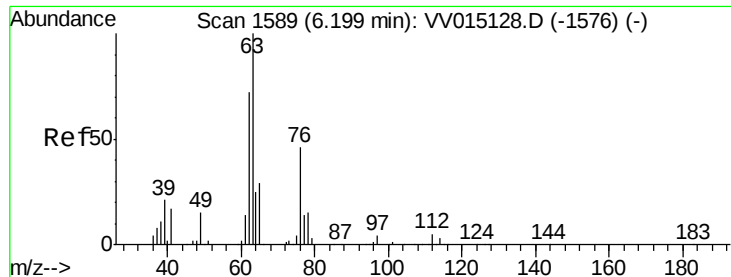


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

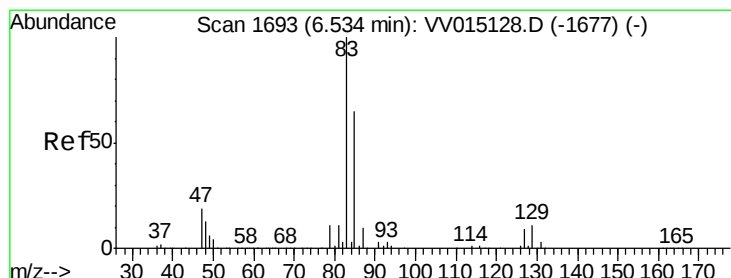
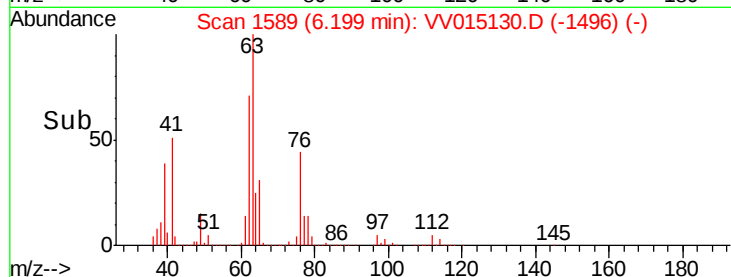
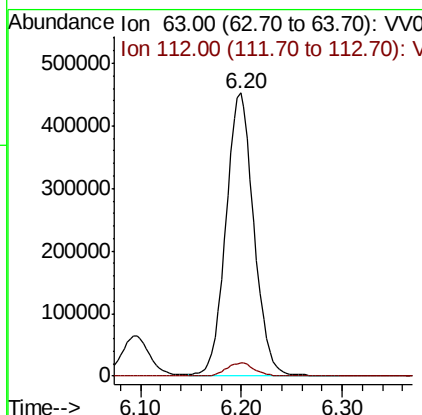
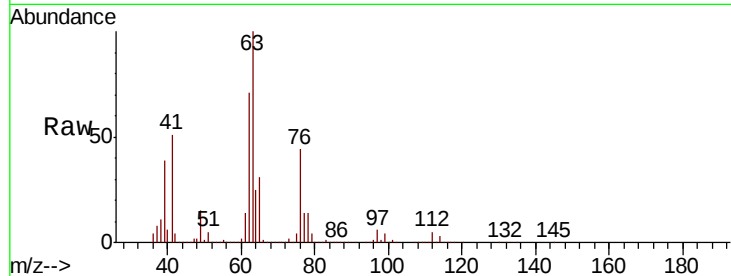




#37
 1,2-Dichloropropane
 Concen: 215.297 ug/L
 RT: 6.20 min Scan# 1589
 Delta R.T. -0.00 min
 Lab File: VV015130.D
 Acq: 25 Mar 2020 05:47

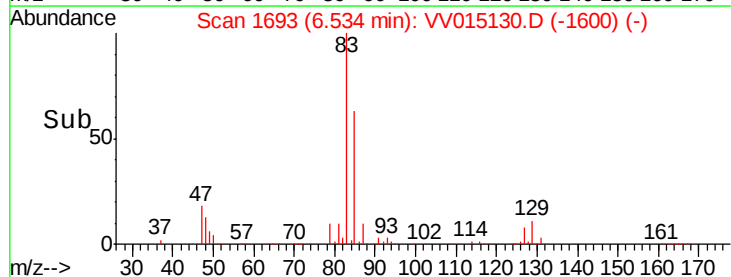
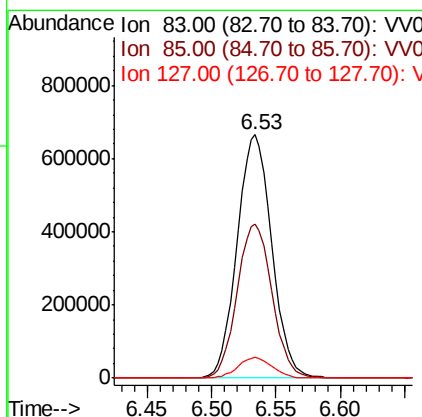
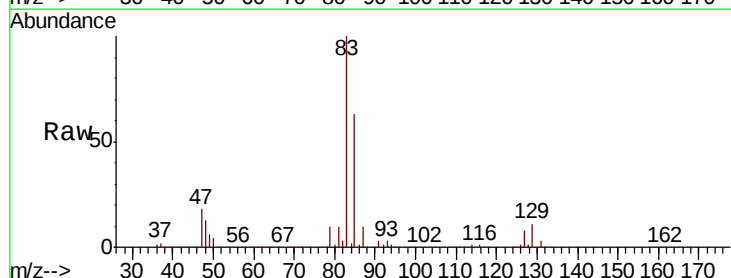
Instrument :
 MSVOA_V
 ClientSampled :

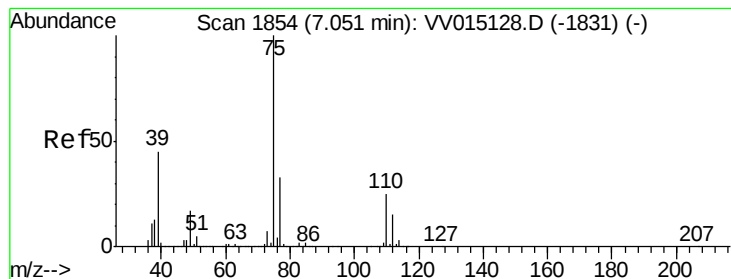
Tot Ion: 63 Resp: 870737
 Ion Ratio Lower Upper
 63 100
 112 4.7 4.0 6.0



#38
 Bromodichloromethane
 Concen: 221.728 ug/L
 RT: 6.53 min Scan# 1693
 Delta R.T. -0.00 min
 Lab File: VV015130.D
 Acq: 25 Mar 2020 05:47

Tgt Ion: 83 Resp: 1242374
 Ion Ratio Lower Upper
 83 100
 85 63.3 45.5 84.5
 127 8.3 6.9 10.3



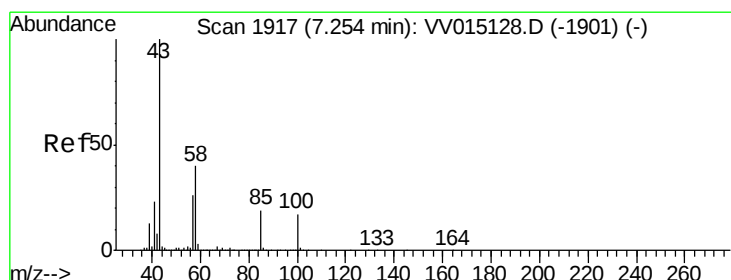
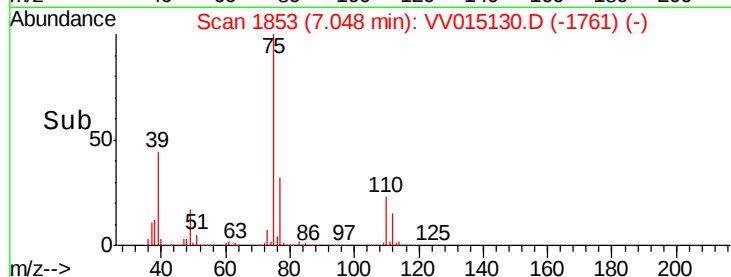
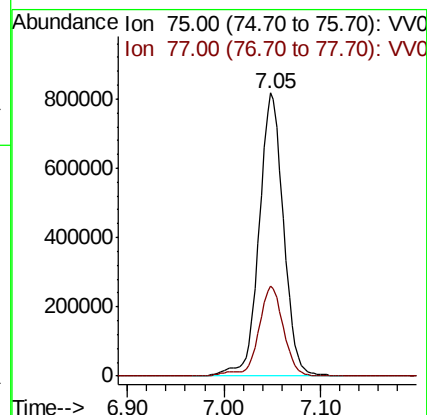
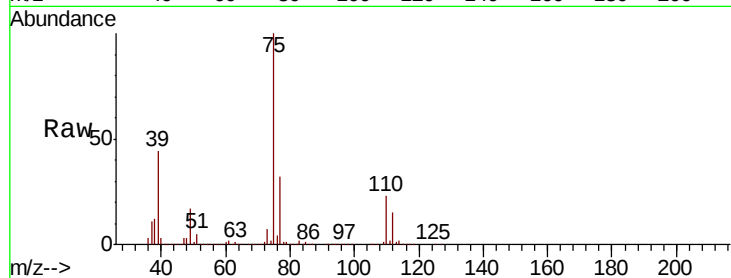


#39

cis-1,3-Dichloropropene
 Concen: 218.603 ug/L
 RT: 7.05 min Scan# 1853
 Delta R.T. -0.00 min
 Lab File: VV015130.D
 Acq: 25 Mar 2020 05:47

Instrument :
 MSVOA_V
 ClientSampleId :

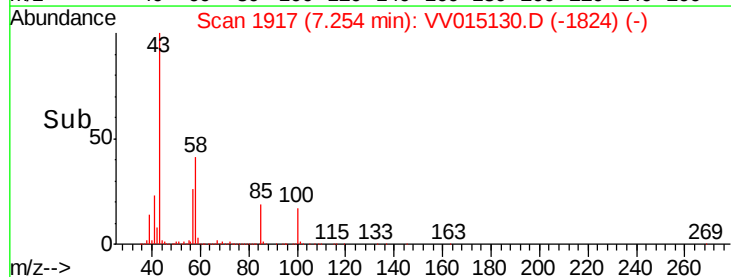
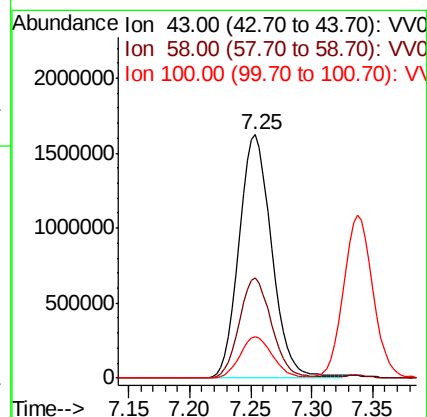
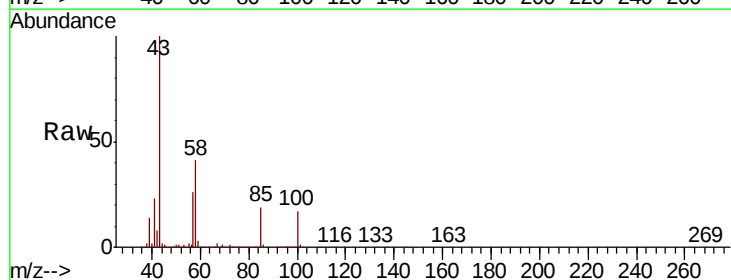
Tot Ion: 75 Resp: 1435256
 Ion Ratio Lower Upper
 75 100
 77 31.7 23.0 42.8

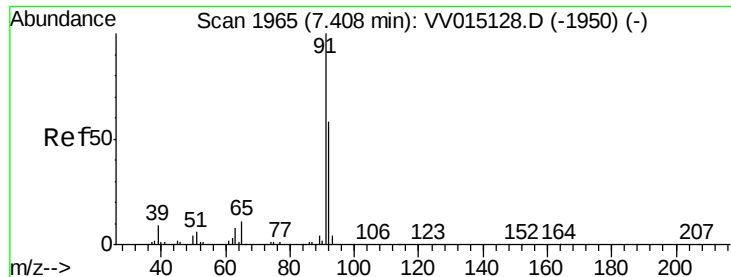


#40

4-Methyl-2-pentanone
 Concen: 445.209 ug/L
 RT: 7.25 min Scan# 1917
 Delta R.T. -0.00 min
 Lab File: VV015130.D
 Acq: 25 Mar 2020 05:47

Tgt Ion: 43 Resp: 3011155
 Ion Ratio Lower Upper
 43 100
 58 40.8 32.8 49.2
 100 17.0 13.6 20.4





#42

Toluene

Concen: 193.372 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. -0.00 min

Lab File: VV015130.D

Acq: 25 Mar 2020 05:47

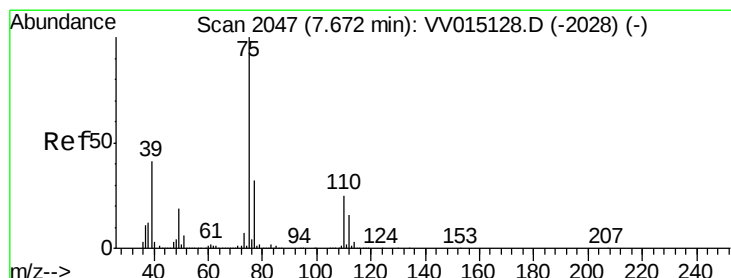
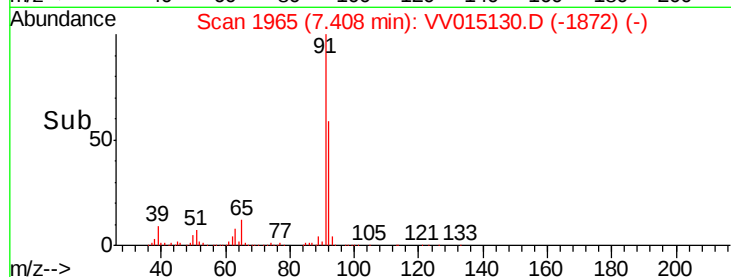
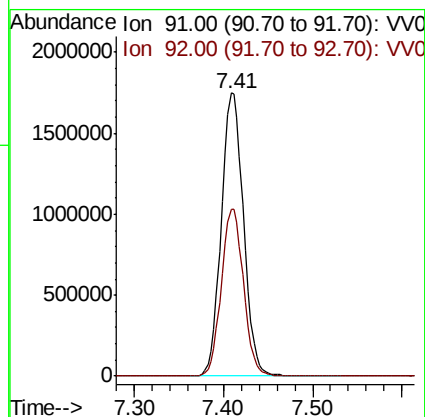
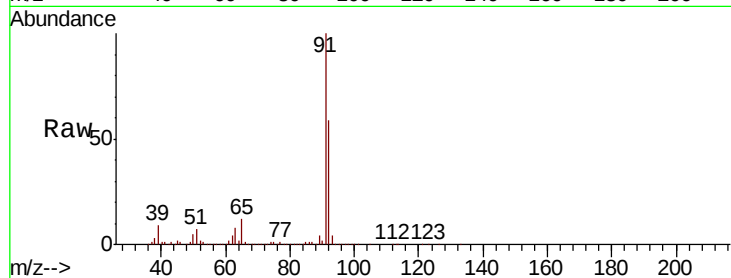
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 3017293

Ion Ratio Lower Upper

91 100

92 59.0 40.5 75.3



#44

trans-1,3-Dichloropropene

Concen: 230.494 ug/L

RT: 7.67 min Scan# 2047

Delta R.T. -0.00 min

Lab File: VV015130.D

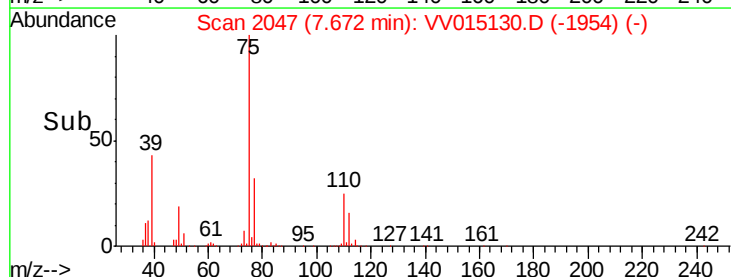
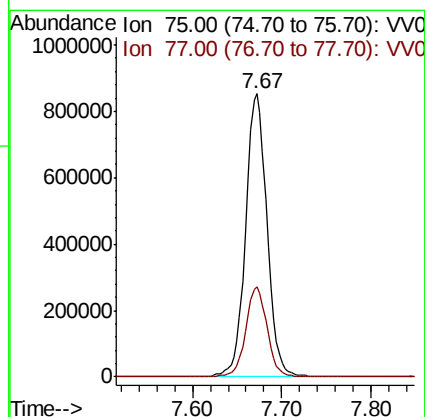
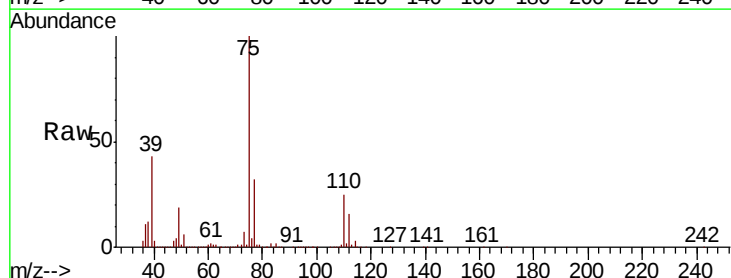
Acq: 25 Mar 2020 05:47

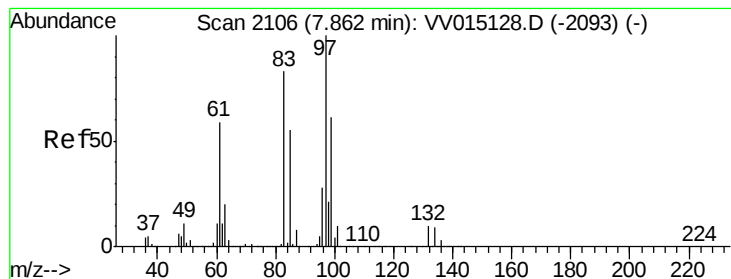
Tgt Ion: 75 Resp: 1422979

Ion Ratio Lower Upper

75 100

77 31.8 22.3 41.5





#45

1,1,2-Trichloroethane

Concen: 230.548 ug/L

RT: 7.86 min Scan# 2106

Delta R.T. -0.00 min

Lab File: VV015130.D

Acq: 25 Mar 2020 05:47

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion: 97 Resp: 909519

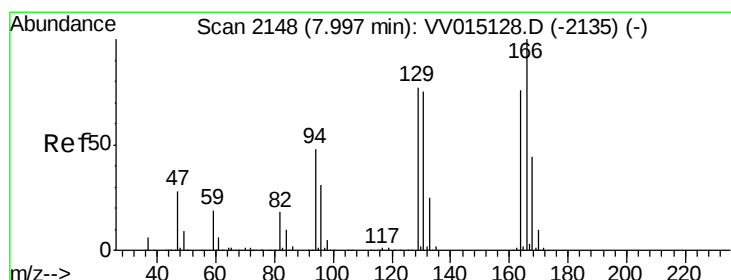
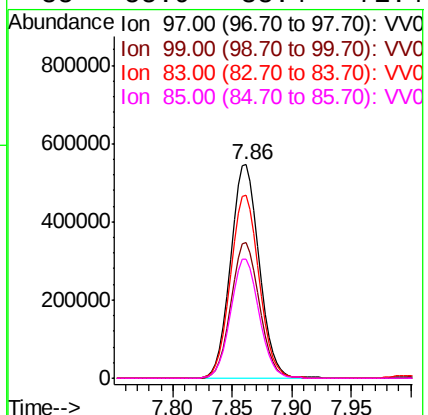
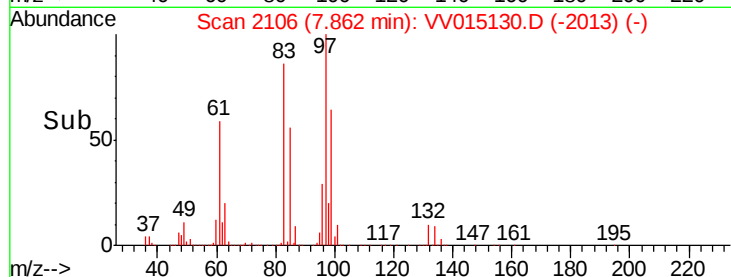
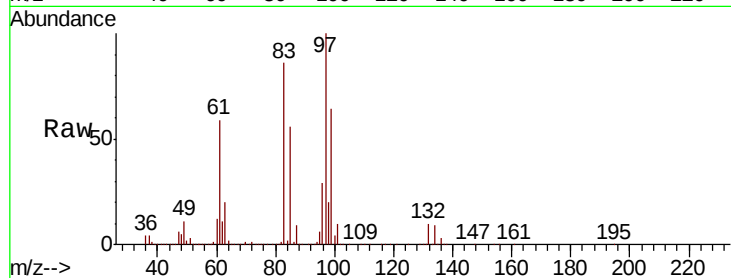
Ion Ratio Lower Upper

97 100

99 63.6 42.7 79.3

83 85.6 58.4 108.6

85 55.9 38.4 71.4



#46

Tetrachloroethene

Concen: 180.782 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. -0.00 min

Lab File: VV015130.D

Acq: 25 Mar 2020 05:47

Tgt Ion:164 Resp: 431729

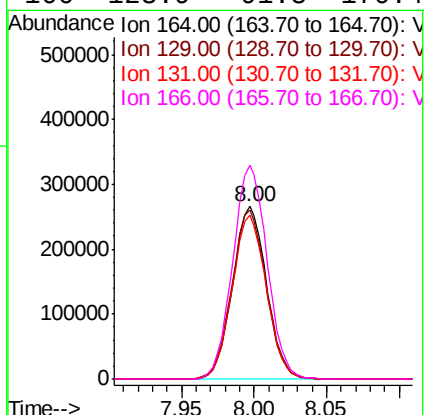
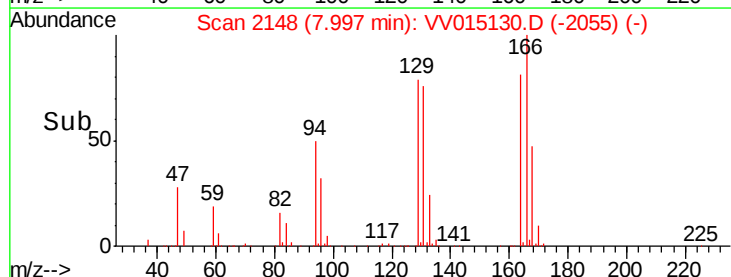
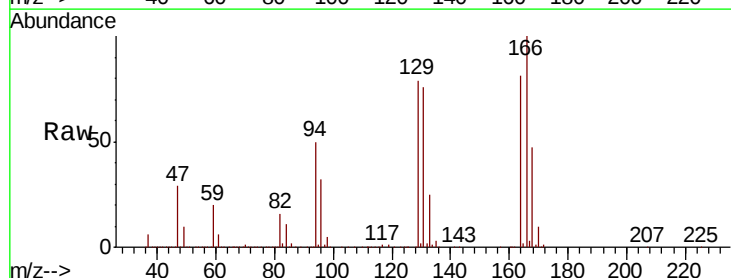
Ion Ratio Lower Upper

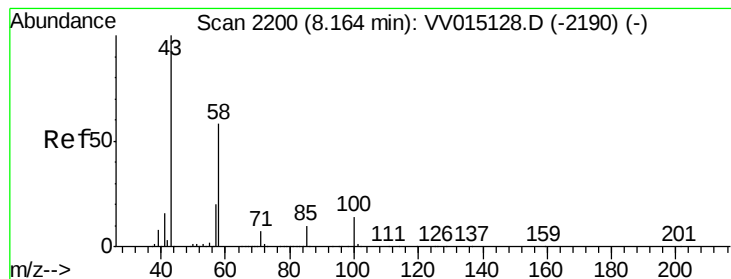
164 100

129 97.9 70.8 131.6

131 94.7 68.4 127.0

166 123.9 91.8 170.4





#48

2-Hexanone

Concen: 456.733 ug/L

RT: 8.16 min Scan# 2200

Delta R.T. -0.00 min

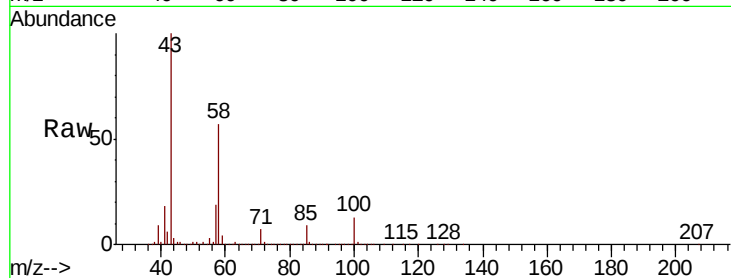
Lab File: VV015130.D

Acq: 25 Mar 2020 05:47

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 2370950

Ion	Ratio	Lower	Upper
43	100		
58	57.6	45.0	67.6
57	19.7	14.6	22.0
100	13.3	10.6	16.0



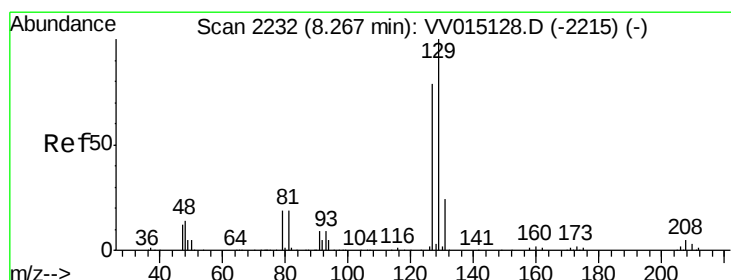
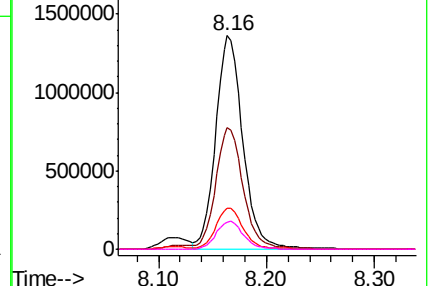
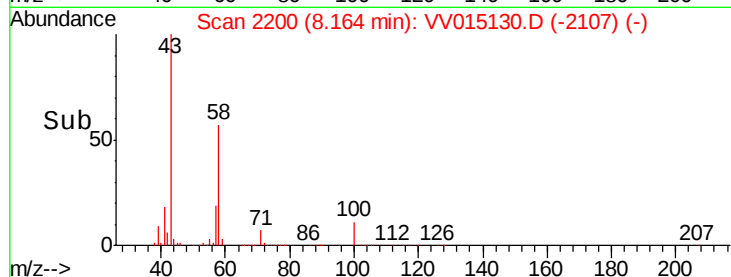
Abundance

Ion 43.00 (42.70 to 43.70): VV015130.D (-2107) (-)

Ion 58.00 (57.70 to 58.70): VV015130.D (-2107) (-)

Ion 57.00 (56.70 to 57.70): VV015130.D (-2107) (-)

Ion 100.00 (99.70 to 100.70): VV015130.D (-2107) (-)



#49

Dibromochloromethane

Concen: 228.105 ug/L

RT: 8.27 min Scan# 2233

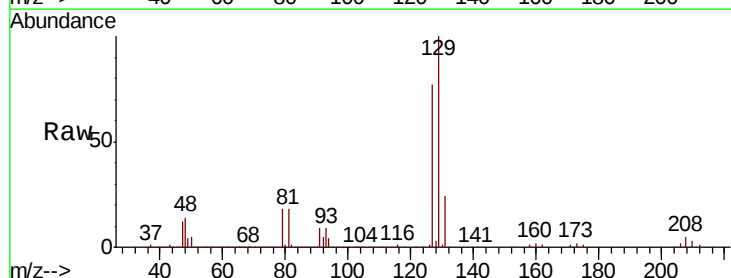
Delta R.T. 0.00 min

Lab File: VV015130.D

Acq: 25 Mar 2020 05:47

Tgt Ion: 129 Resp: 1025458

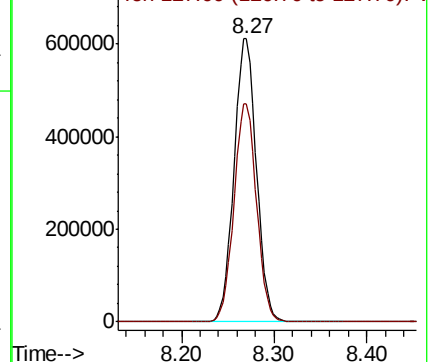
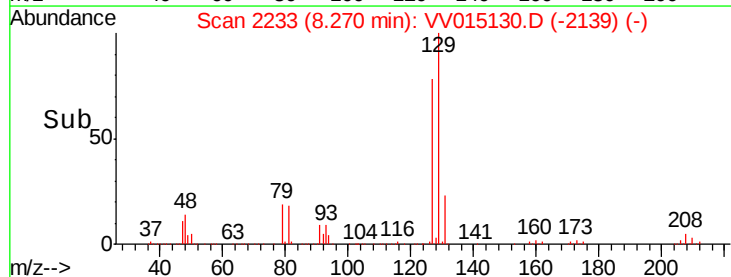
Ion	Ratio	Lower	Upper
129	100		
127	77.3	55.4	102.8

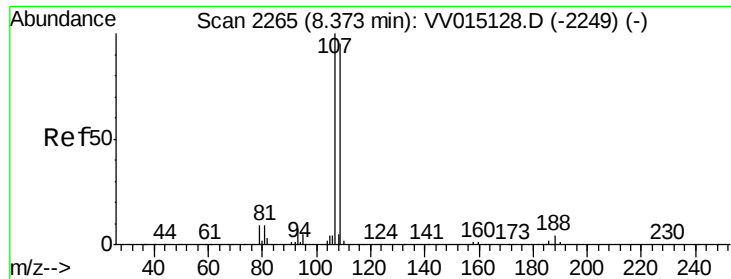


Abundance

Ion 129.00 (128.70 to 129.70): VV015130.D (-2139) (-)

Ion 127.00 (126.70 to 127.70): VV015130.D (-2139) (-)

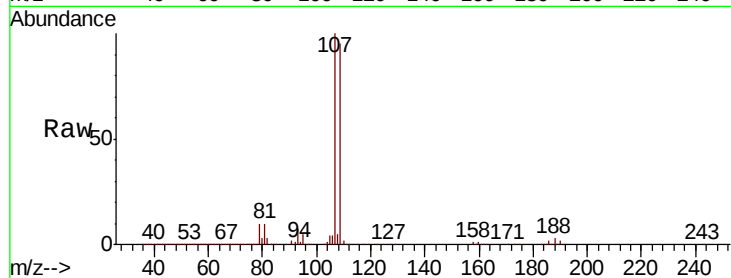




#50
1,2-Dibromoethane
Concen: 228.495 ug/L
RT: 8.37 min Scan# 2265
Delta R.T. -0.00 min
Lab File: VV015130.D
Acq: 25 Mar 2020 05:47

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.7	66.1	122.8
188	3.1	2.8	4.2

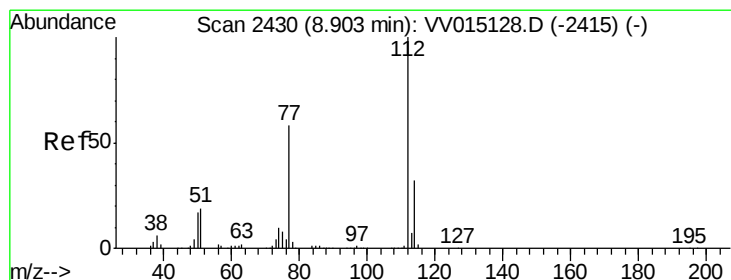
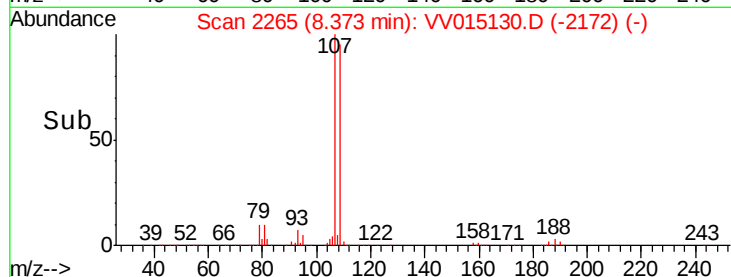
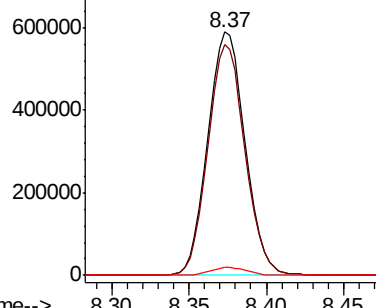


Abundance

Ion 107.00 (106.70 to 107.70): V

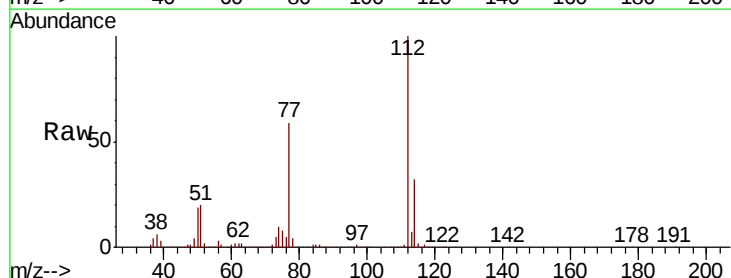
Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V



#51
Chlorobenzene
Concen: 193.604 ug/L
RT: 8.90 min Scan# 2430
Delta R.T. -0.00 min
Lab File: VV015130.D
Acq: 25 Mar 2020 05:47

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.0	22.3	41.3
77	58.6	47.0	70.4

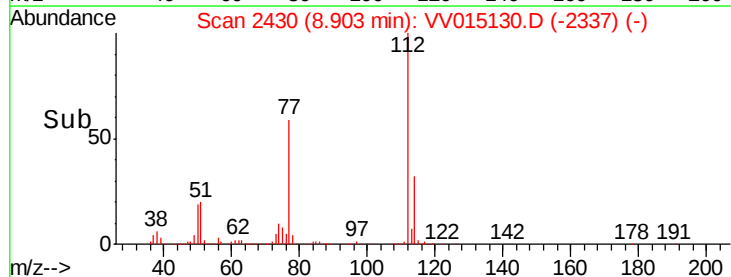
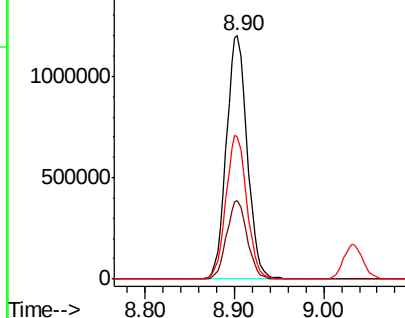


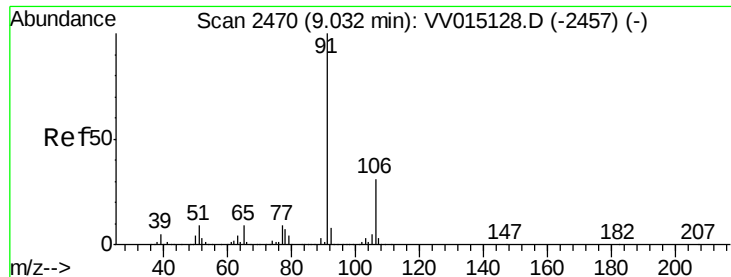
Abundance

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): VV0





#52

Ethylbenzene

Concen: 181.040 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. -0.00 min

Lab File: VV015130.D

Acq: 25 Mar 2020 05:47

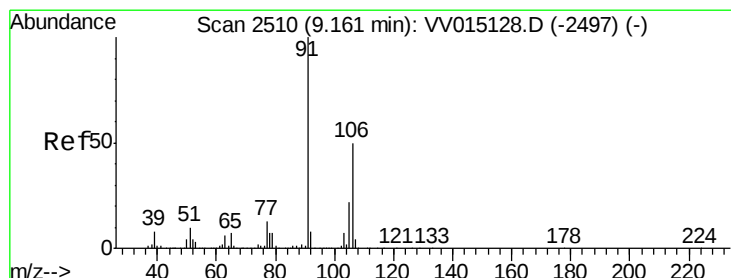
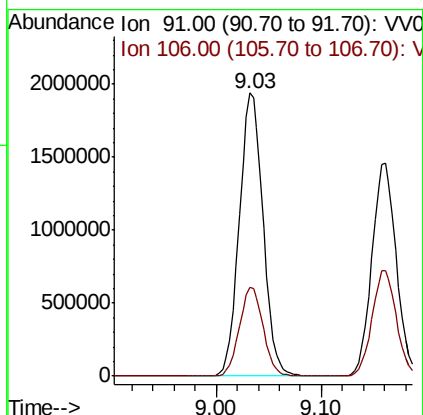
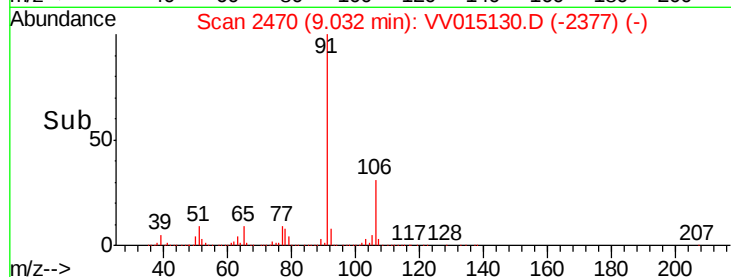
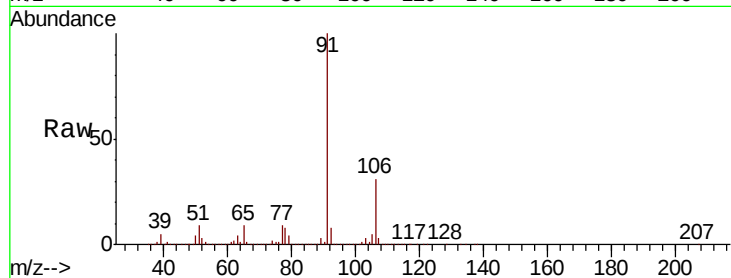
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 3020049

Ion Ratio Lower Upper

91 100

106 31.3 22.0 40.8



#53

m,p-Xylene

Concen: 183.483 ug/L

RT: 9.16 min Scan# 2510

Delta R.T. -0.00 min

Lab File: VV015130.D

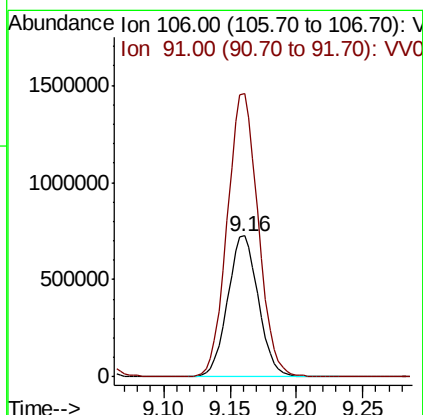
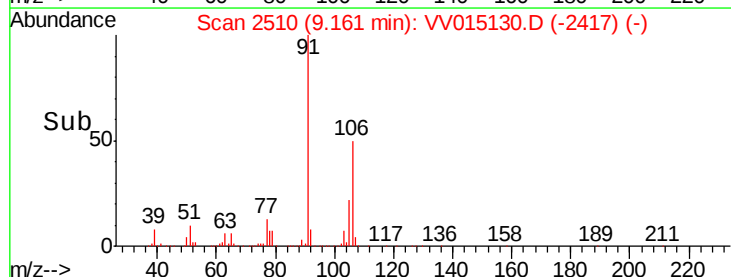
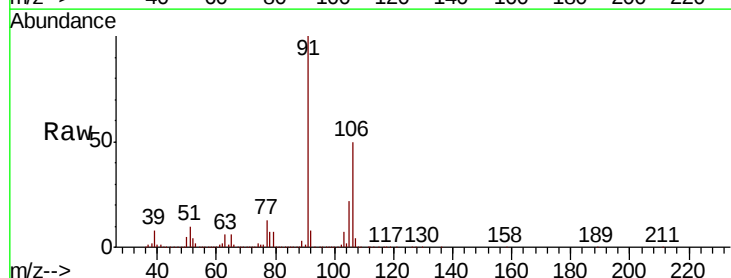
Acq: 25 Mar 2020 05:47

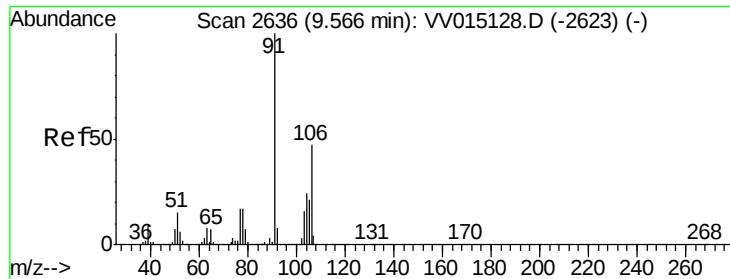
Tgt Ion: 106 Resp: 1163610

Ion Ratio Lower Upper

106 100

91 200.5 141.3 262.5





#54

o-xylene

Concen: 187.092 ug/L

RT: 9.57 min Scan# 2636

Delta R.T. -0.00 min

Lab File: VV015130.D

Acq: 25 Mar 2020 05:47

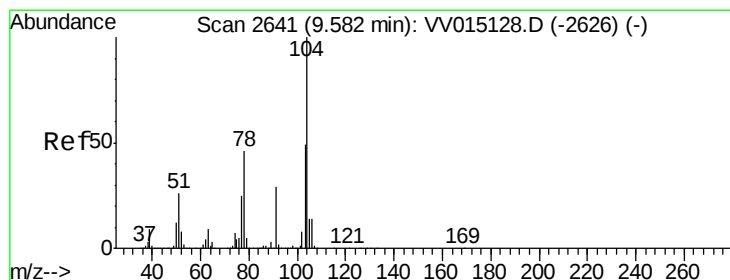
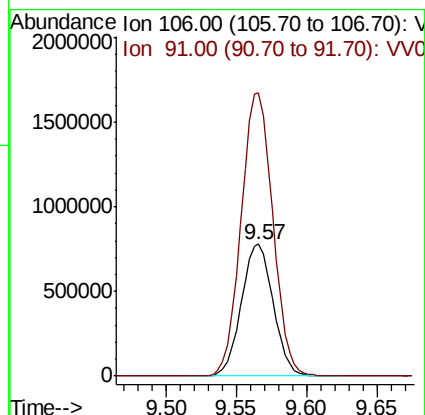
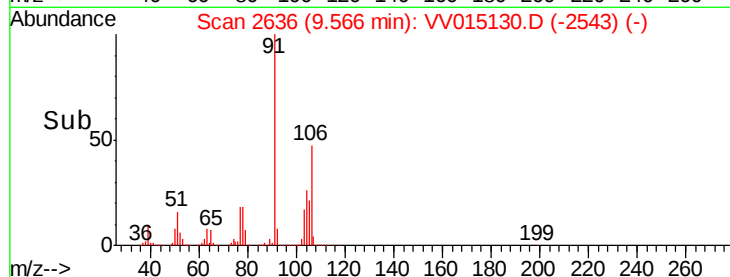
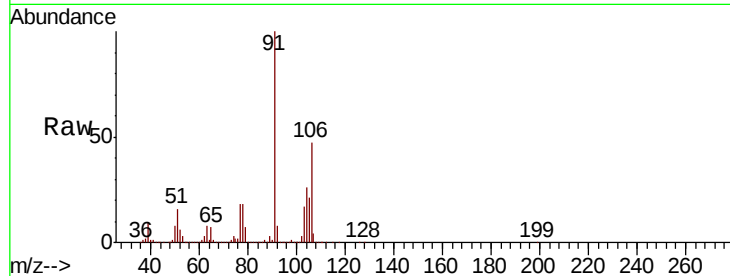
Instrument :
MSVOA_V
ClientSampled :

Tot Ion:106 Resp: 1236279

Ion Ratio Lower Upper

106 100

91 214.4 149.0 276.8



#55

Styrene

Concen: 193.775 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. -0.00 min

Lab File: VV015130.D

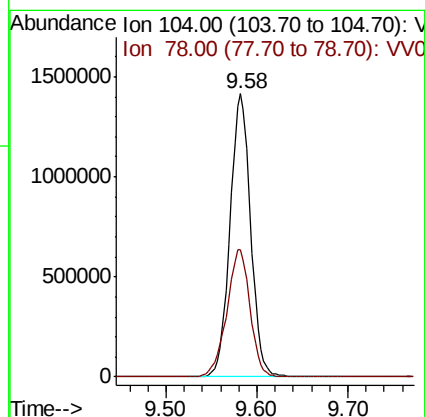
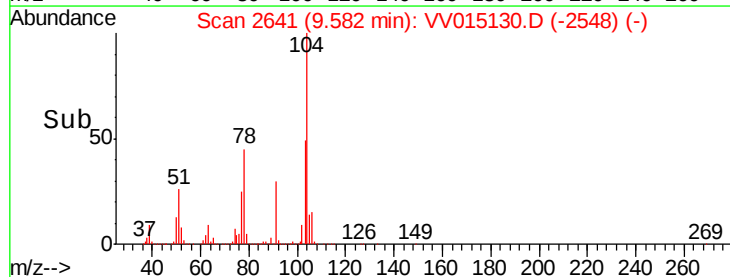
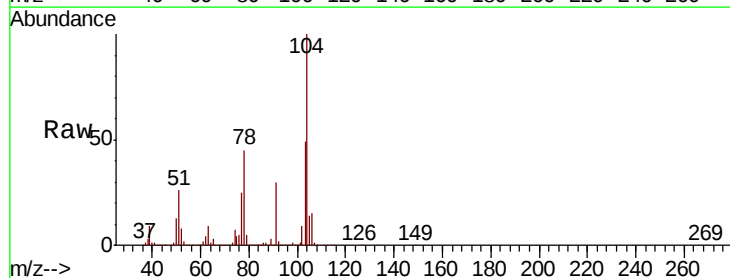
Acq: 25 Mar 2020 05:47

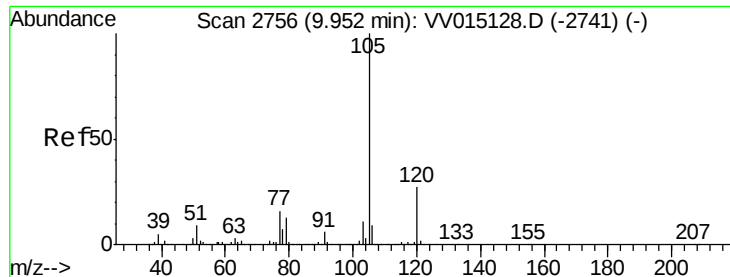
Tgt Ion:104 Resp: 2218388

Ion Ratio Lower Upper

104 100

78 45.0 32.1 59.5





#56

Isopropylbenzene

Concen: 176.172 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VV015130.D

Acq: 25 Mar 2020 05:47

Instrument :

MSVOA_V

ClientSampleId :

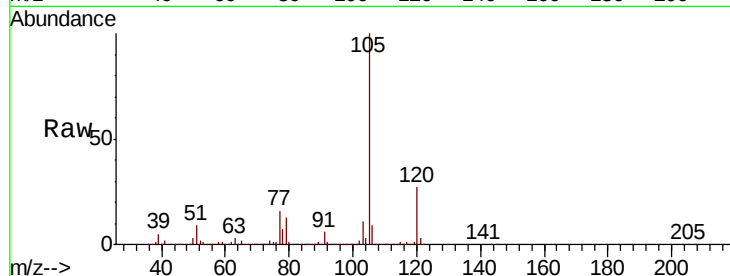
Tot Ion:105 Resp: 2819521

Ion Ratio Lower Upper

105 100

120 26.8 21.4 32.0

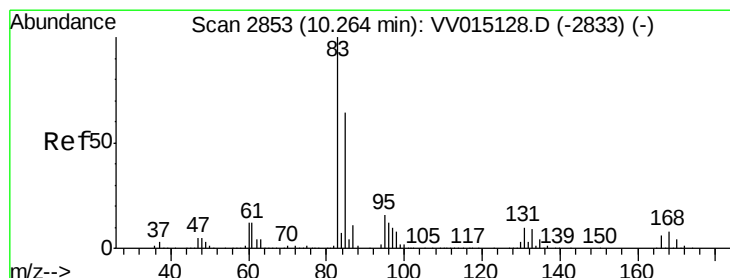
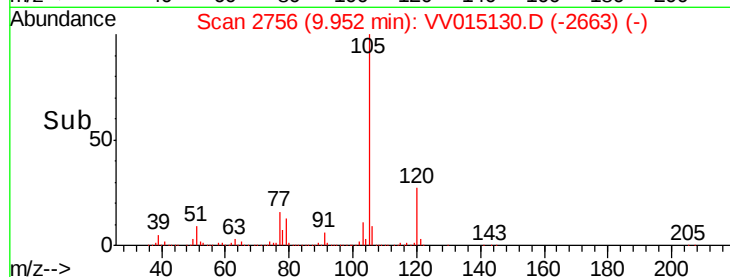
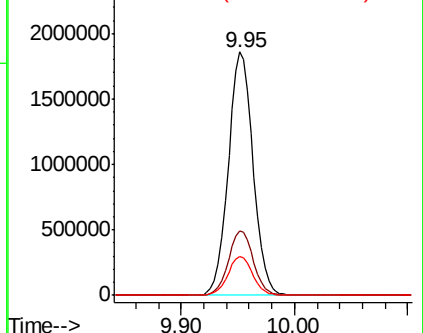
77 15.9 12.8 19.2



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



#58

1,1,2,2-Tetrachloroethane

Concen: 226.311 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. -0.00 min

Lab File: VV015130.D

Acq: 25 Mar 2020 05:47

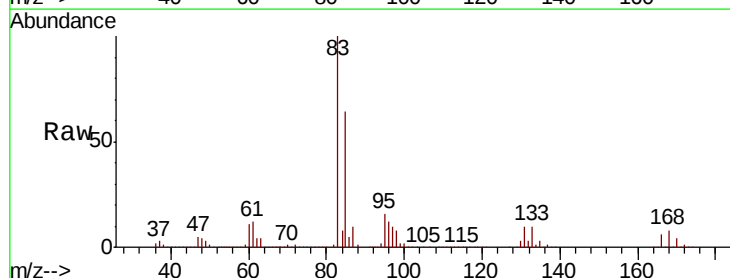
Tgt Ion: 83 Resp: 1525138

Ion Ratio Lower Upper

83 100

85 64.3 44.6 82.8

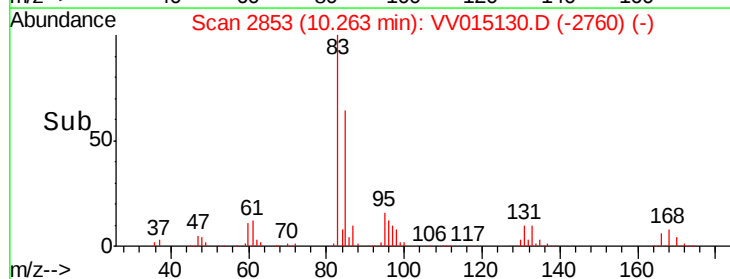
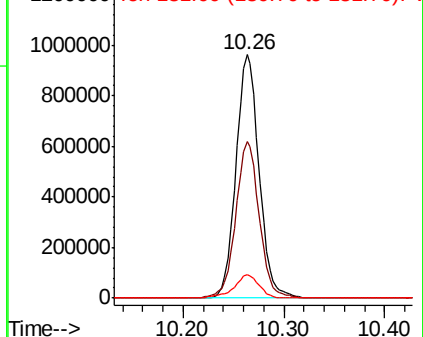
131 9.5 7.8 11.8

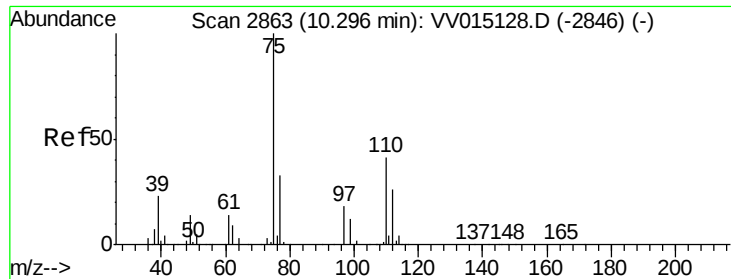


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 224.589 ug/L

RT: 10.30 min Scan# 2863

Delta R.T. -0.00 min

Lab File: VV015130.D

Acq: 25 Mar 2020 05:47

Instrument :

MSVOA_V

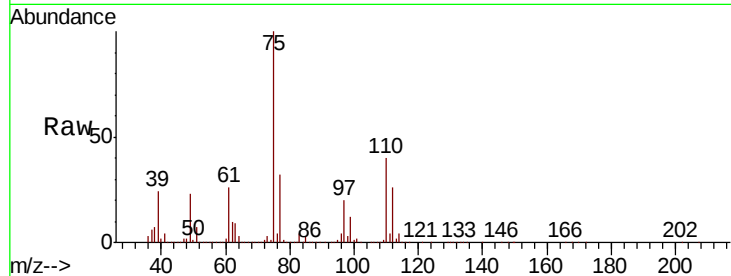
ClientSampleId :

Tot Ion: 75 Resp: 1225640

Ion Ratio Lower Upper

75 100

77 32.0 25.8 38.8



Abundance Ion 75.00 (74.70 to 75.70): VV015128.D (-2846) (-)

Ion 77.00 (76.70 to 77.70): VV015128.D (-2846) (-)

10.30

800000

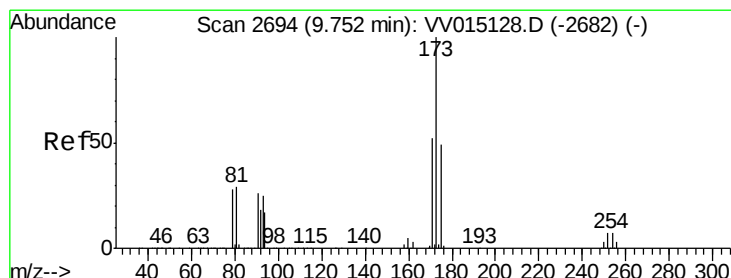
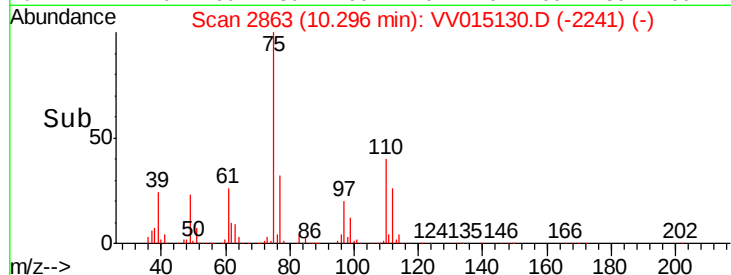
600000

400000

200000

0

Time--> 10.20 10.25 10.30 10.35



#61

Bromoform

Concen: 243.069 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. -0.00 min

Lab File: VV015130.D

Acq: 25 Mar 2020 05:47

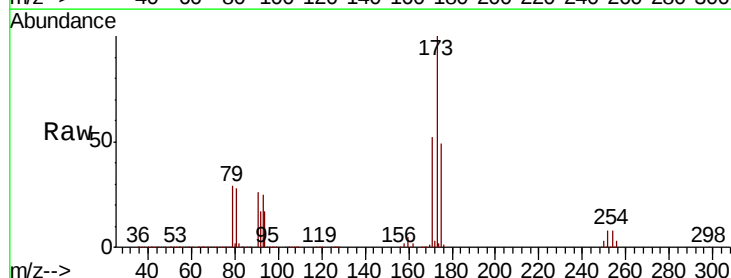
Tgt Ion:173 Resp: 733437

Ion Ratio Lower Upper

173 100

175 48.5 38.5 57.7

254 7.7 6.0 9.0



Abundance Ion 173.00 (172.70 to 173.70): VV015128.D (-2682) (-)

Ion 175.00 (174.70 to 175.70): VV015128.D (-2682) (-)

Ion 254.00 (253.70 to 254.70): VV015128.D (-2682) (-)

9.75

600000

500000

400000

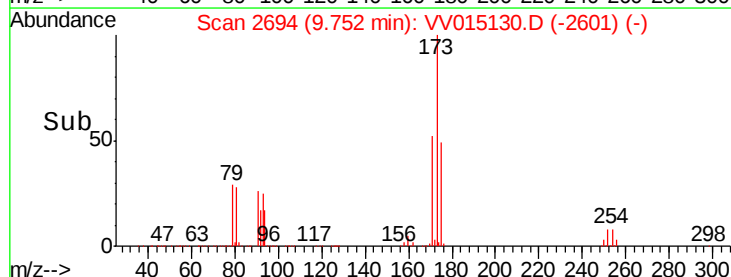
300000

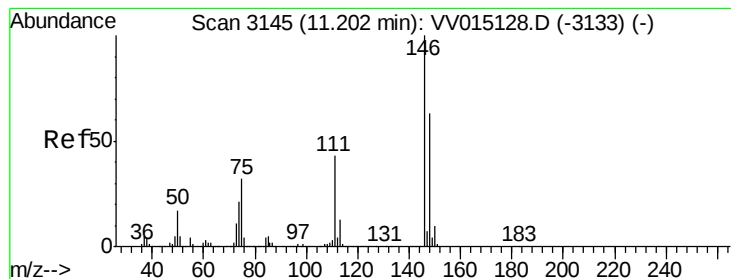
200000

100000

0

Time--> 9.65 9.70 9.75 9.80 9.85





#62

1,3-Dichlorobenzene

Concen: 194.374 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. -0.00 min

Lab File: VV015130.D

Acq: 25 Mar 2020 05:47

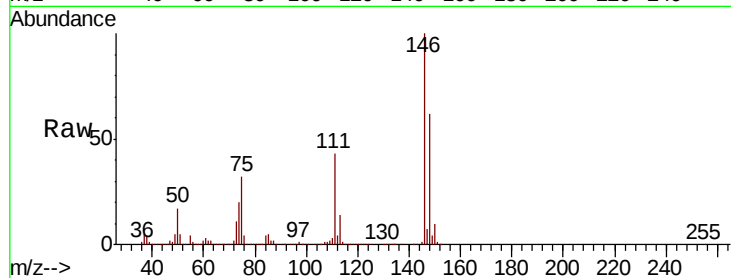
Instrument :

MSVOA_V

ClientSampled :

Tot Ion:146 Resp: 1344327

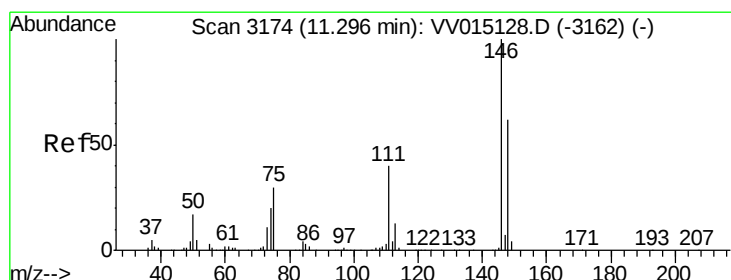
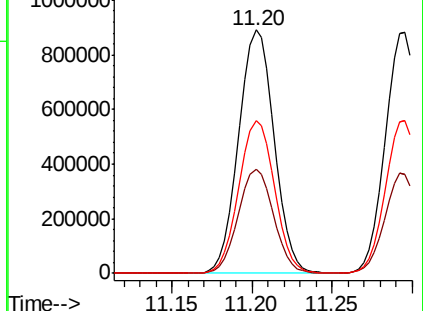
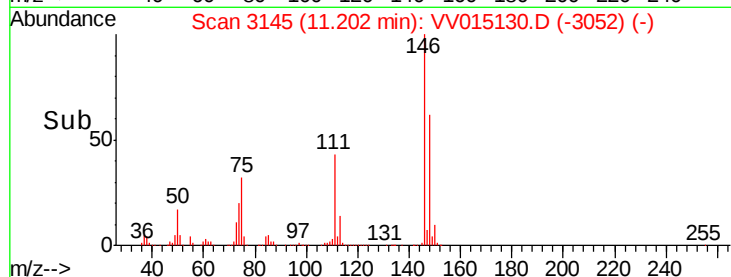
Ion	Ratio	Lower	Upper
146	100		
111	42.6	29.8	55.3
148	62.5	44.2	82.2



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



#63

1,4-Dichlorobenzene

Concen: 192.852 ug/L

RT: 11.30 min Scan# 3174

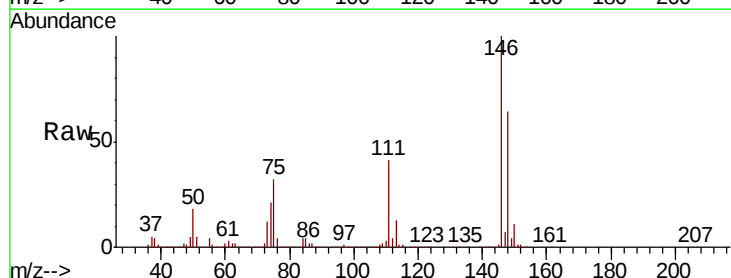
Delta R.T. -0.00 min

Lab File: VV015130.D

Acq: 25 Mar 2020 05:47

Tgt Ion:146 Resp: 1347274

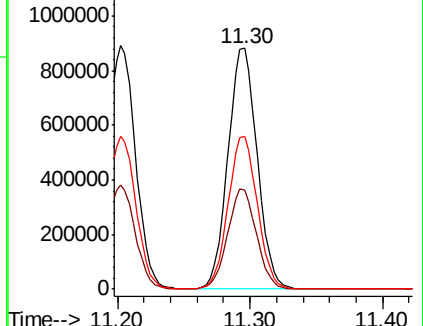
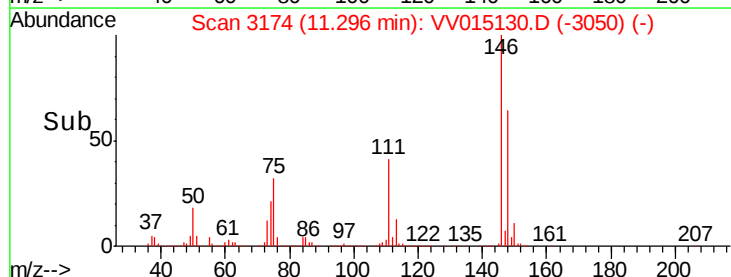
Ion	Ratio	Lower	Upper
146	100		
111	41.0	28.6	53.0
148	63.6	43.8	81.3

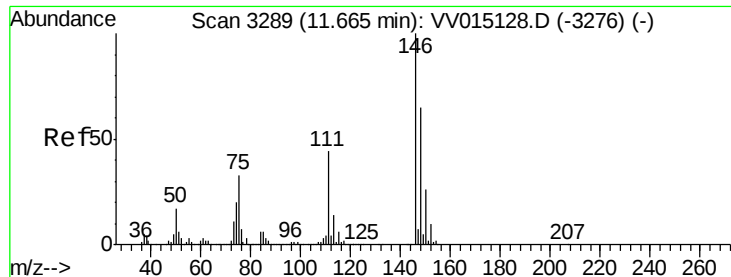


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

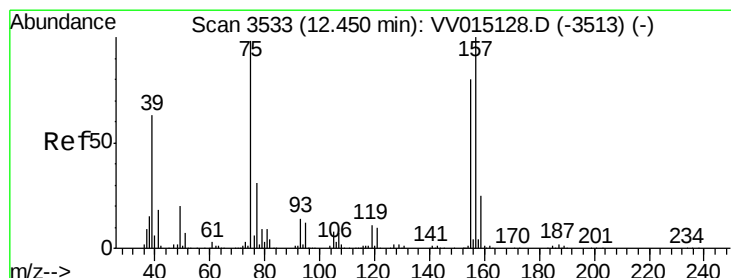
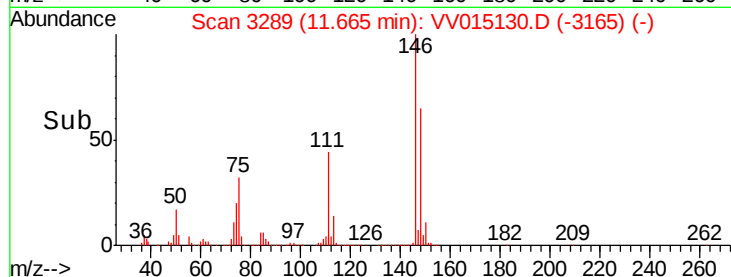
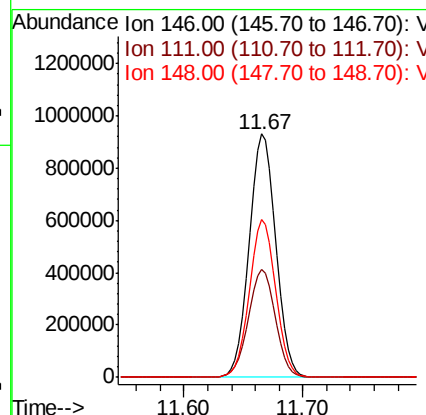
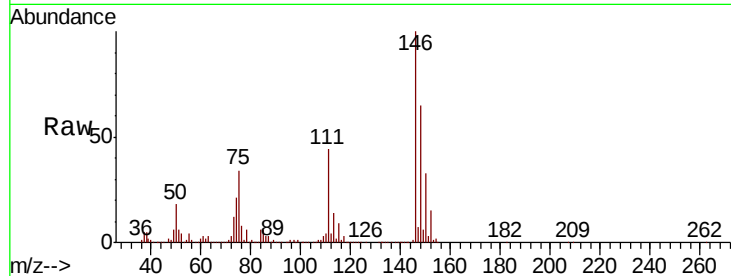




#65
 1,2-Dichlorobenzene
 Concen: 198.021 ug/L
 RT: 11.67 min Scan# 3289
 Delta R.T. -0.00 min
 Lab File: VV015130.D
 Acq: 25 Mar 2020 05:47

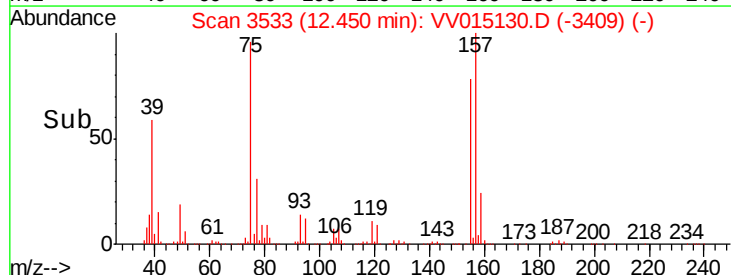
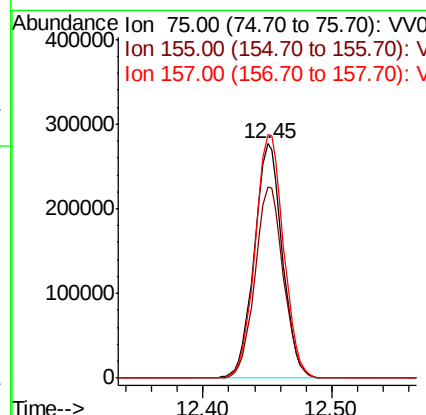
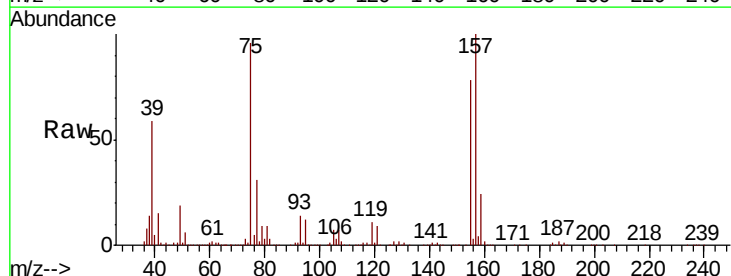
Instrument :
 MSVOA_V
 ClientSampleId :

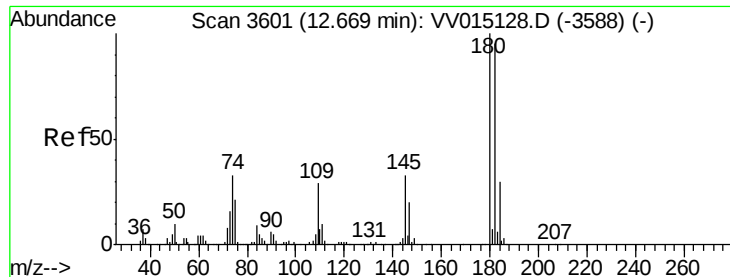
Tot Ion:146 Resp: 1440747
 Ion Ratio Lower Upper
 146 100
 111 44.4 35.4 53.0
 148 64.8 52.2 78.4



#66
 1,2-Dibromo-3-chloropropane
 Concen: 244.894 ug/L
 RT: 12.45 min Scan# 3533
 Delta R.T. -0.00 min
 Lab File: VV015130.D
 Acq: 25 Mar 2020 05:47

Tgt Ion: 75 Resp: 421093
 Ion Ratio Lower Upper
 75 100
 155 81.6 64.9 97.3
 157 103.9 81.6 122.4

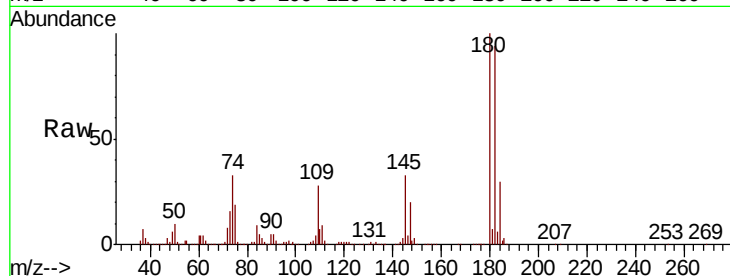




#67
 1,3,5-Trichlorobenzene
 Concen: 187.243 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. -0.00 min
 Lab File: VV015130.D
 Acq: 25 Mar 2020 05:47

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.3	75.8	113.6
184	29.7	24.0	36.0
145	32.7	26.5	39.7



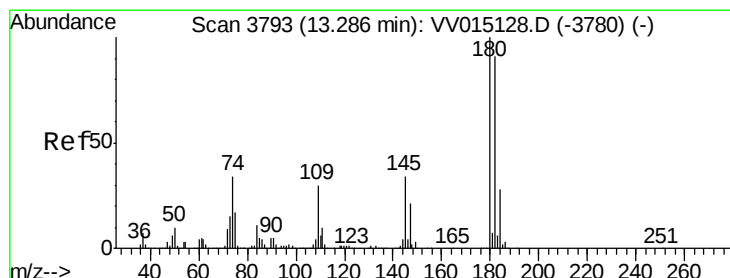
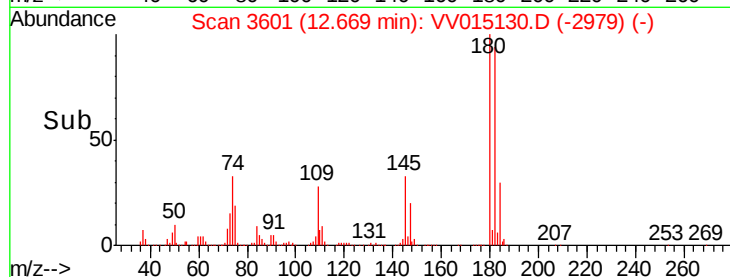
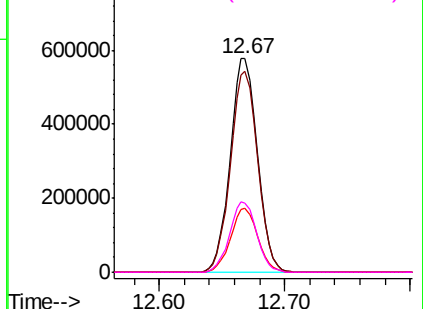
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

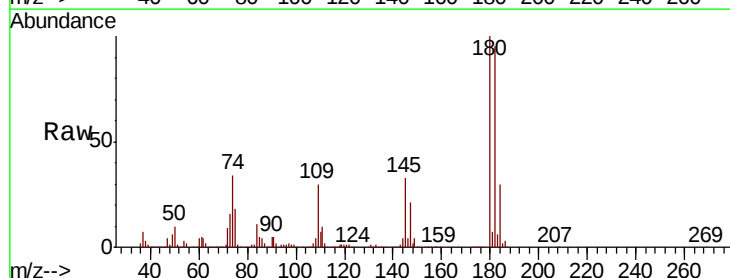
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 198.268 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. -0.00 min
 Lab File: VV015130.D
 Acq: 25 Mar 2020 05:47

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.5	75.0	112.4
145	33.1	27.8	41.6

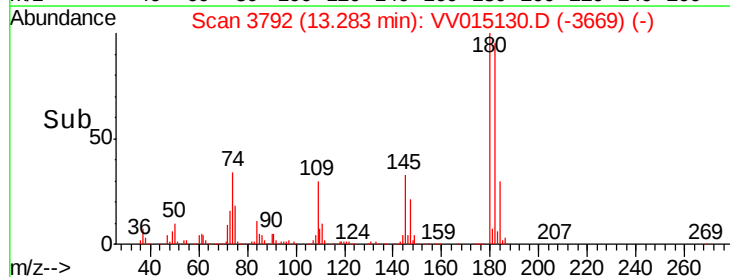
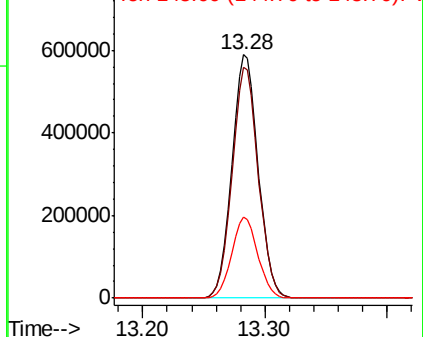


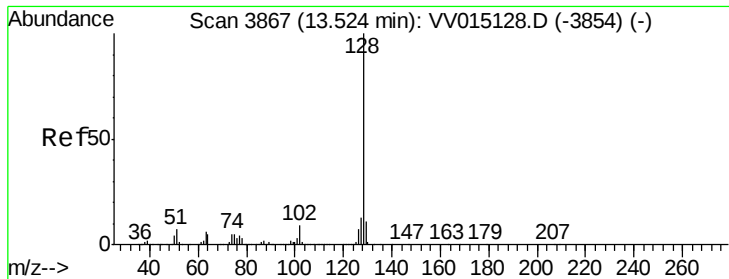
Abundance

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: 372.682 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. -0.00 min

Lab File: VV015130.D

Acq: 25 Mar 2020 05:47

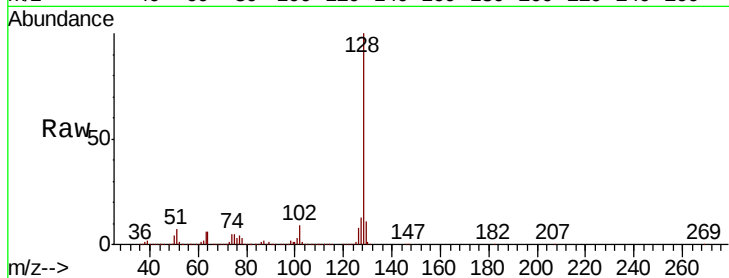
Instrument :

MSVOA_V

ClientSampleId :

Tot Ion:128 Resp: 4164287

Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.4	15.6
129	11.0	9.0	13.4

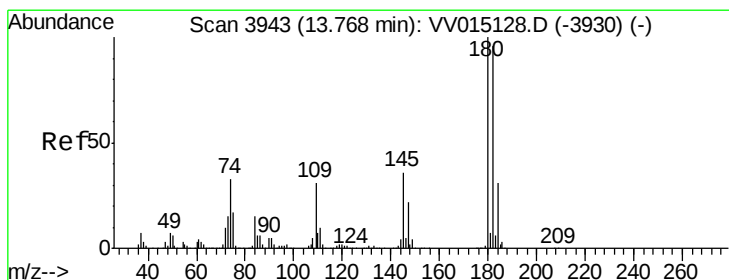
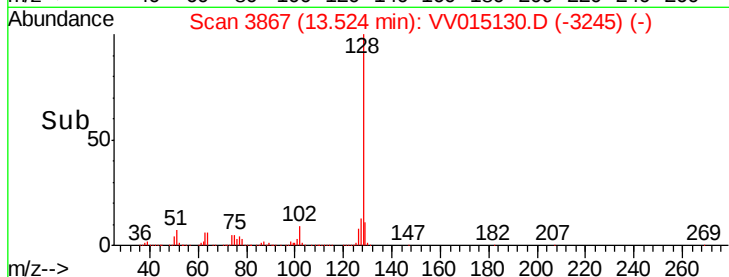
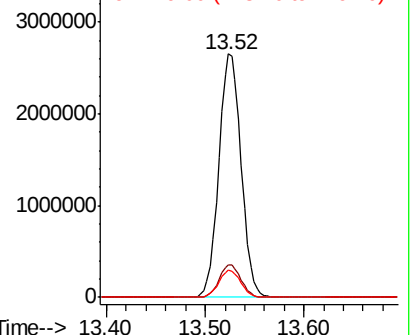


Abundance

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: 202.867 ug/L

RT: 13.77 min Scan# 3943

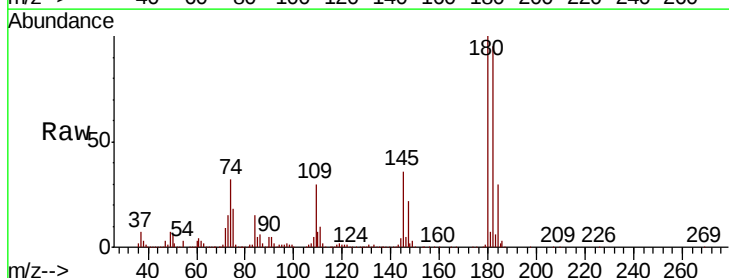
Delta R.T. -0.00 min

Lab File: VV015130.D

Acq: 25 Mar 2020 05:47

Tgt Ion:180 Resp: 937176

Ion	Ratio	Lower	Upper
180	100		
182	94.5	77.4	116.2
145	35.9	29.0	43.6



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

