

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV032520\
 Data File : VV015131.D
 Acq On : 25 Mar 2020 06:11
 Operator : SY/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Mar 25 07:44:21 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM032520WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Mar 25 07:41:19 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	519669	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	470163	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	197595	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	216876	49.63	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	99.26%
7) Chloroethane-d5	1.58	69	222222	50.08	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	100.16%
11) 1,1-Dichloroethene-d2	2.12	63	404901	49.38	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.76%
21) 2-Butanone-d5	3.94	46	378644	107.28	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	107.28%
24) Chloroform-d	4.38	84	421350	51.74	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.48%
26) 1,2-Dichloroethane-d4	5.06	65	285682	51.77	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.54%
32) Benzene-d6	5.07	84	792705	52.75	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.50%
36) 1,2-Dichloropropane-d6	6.09	67	267025	52.17	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	104.34%
41) Toluene-d8	7.34	98	687574	52.18	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	104.36%
43) trans-1,3-Dichloropropene-	7.64	79	146037	53.30	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	106.60%
47) 2-Hexanone-d5	8.11	63	295123	108.98	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	108.98%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	404129	52.34	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	104.68%
64) 1,2-Dichlorobenzene-d4	11.65	152	244389	52.20	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	104.40%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	140732	49.923	ug/L	98
3) Chloromethane	1.25	50	264456	50.192	ug/L	98
5) Vinyl chloride	1.32	62	229633	50.519	ug/L	99
6) Bromomethane	1.53	94	169008	50.234	ug/L	97
8) Chloroethane	1.60	64	201198	52.634	ug/L	99
9) Trichlorofluoromethane	1.76	101	267744	50.249	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	128129	49.272	ug/L	99
12) 1,1-Dichloroethene	2.13	96	165047	49.239	ug/L	92
13) Acetone	2.22	43	208978	98.388	ug/L	99
14) Carbon disulfide	2.31	76	448821	50.043	ug/L	99
15) Methyl Acetate	2.46	43	241934	50.677	ug/L	98
16) Methylene chloride	2.52	84	221945	50.728	ug/L	98
17) trans-1,2-Dichloroethene	2.78	96	166513	50.118	ug/L	97
18) Methyl tert-butyl Ether	2.79	73	720208	51.333	ug/L	99
19) 1,1-Dichloroethane	3.21	63	346042	50.035	ug/L	98
20) cis-1,2-Dichloroethene	3.94	96	209773	50.989	ug/L #	99
22) 2-Butanone	4.02	43	319725	101.991	ug/L #	70

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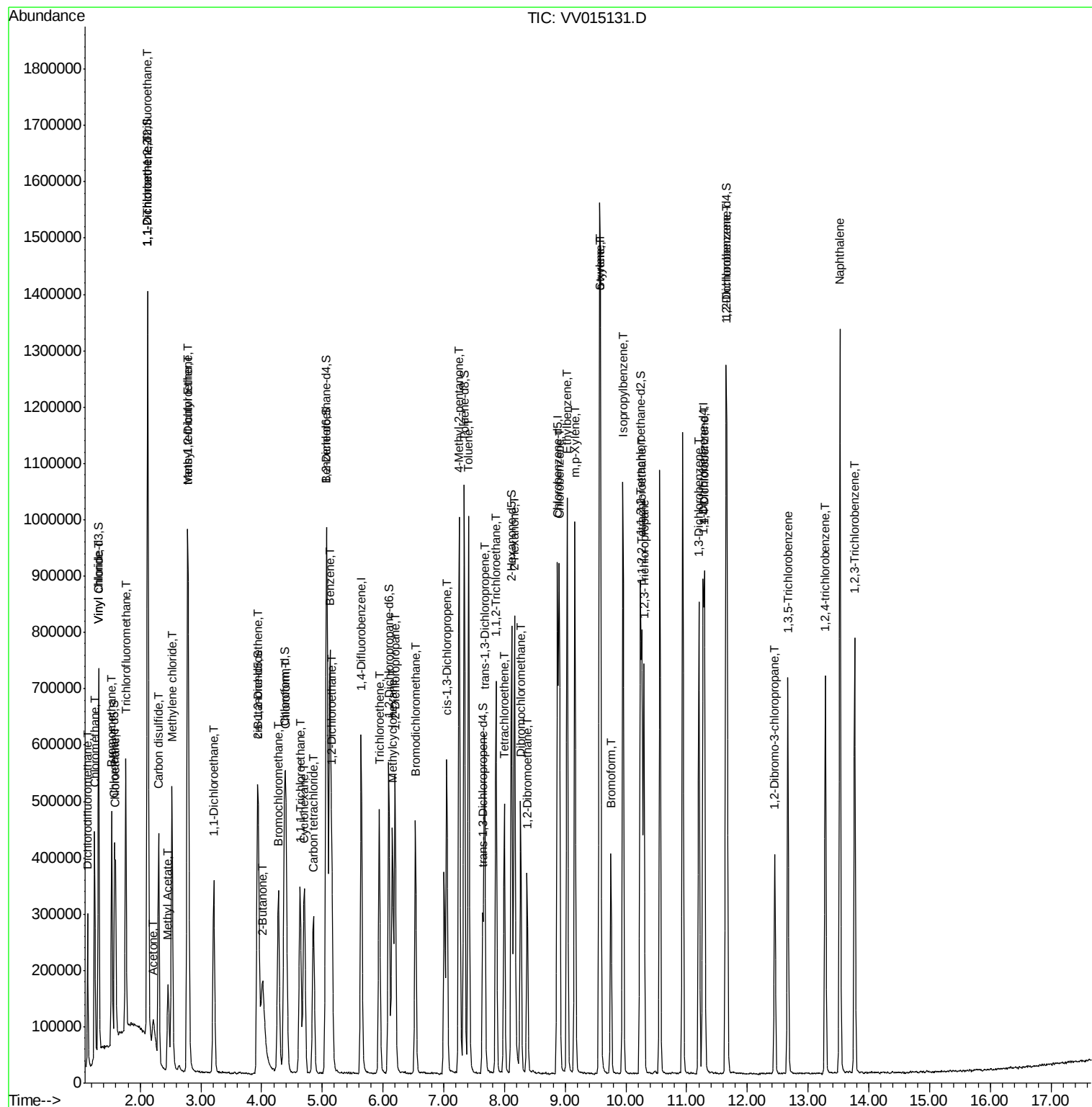
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.28	128	113519	50.069	ug/L	95
25) Chloroform	4.40	83	366203	51.152	ug/L	99
27) 1,2-Dichloroethane	5.16	62	294956	51.089	ug/L	98
29) Cyclohexane	4.70	56	192279	51.035	ug/L	98
30) 1,1,1-Trichloroethane	4.64	97	271128	52.094	ug/L	99
31) Carbon tetrachloride	4.85	117	208437	51.304	ug/L	98
33) Benzene	5.13	78	728690	51.253	ug/L	100
34) Trichloroethene	5.94	95	165632	50.732	ug/L	98
35) Methylcyclohexane	6.15	83	190781	50.780	ug/L	99
37) 1,2-Dichloropropane	6.20	63	206897	52.640	ug/L	100
38) Bromodichloromethane	6.53	83	295243	52.366	ug/L	99
39) cis-1,3-Dichloropropene	7.05	75	333876	52.793	ug/L	98
40) 4-Methyl-2-pentanone	7.25	43	709934	105.206	ug/L	99
42) Toluene	7.41	91	724619	51.144	ug/L	99
44) trans-1,3-Dichloropropene	7.67	75	331841	52.446	ug/L	97
45) 1,1,2-Trichloroethane	7.86	97	214888	51.968	ug/L	99
46) Tetrachloroethene	8.00	164	101491	50.097	ug/L	95
48) 2-Hexanone	8.16	43	542236	109.122	ug/L	98
49) Dibromochloromethane	8.27	129	237208	51.472	ug/L	99
50) 1,2-Dibromoethane	8.37	107	228137	51.383	ug/L	98
51) Chlorobenzene	8.90	112	464547	49.694	ug/L	100
52) Ethylbenzene	9.03	91	714539	50.116	ug/L	99
53) m,p-Xylene	9.16	106	274231	49.676	ug/L	97
54) o-xylene	9.56	106	297193	50.657	ug/L	99
55) Styrene	9.58	104	529806	51.058	ug/L	98
56) Isopropylbenzene	9.95	105	665307	50.195	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	352280	51.297	ug/L	99
59) 1,2,3-Trichloropropane	10.30	75	283514	50.974	ug/L	99
61) Bromoform	9.75	173	166347	53.084	ug/L	99
62) 1,3-Dichlorobenzene	11.20	146	317476	51.402	ug/L	99
63) 1,4-Dichlorobenzene	11.30	146	316996	50.682	ug/L	98
65) 1,2-Dichlorobenzene	11.67	146	341851	50.437	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.45	75	98784	53.974	ug/L	99
67) 1,3,5-Trichlorobenzene	12.67	180	194696	50.488	ug/L	99
68) 1,2,4-trichlorobenzene	13.28	180	192115	48.790	ug/L	97
69) Naphthalene	13.52	128	991240	54.460	ug/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	213762	51.328	ug/L	98

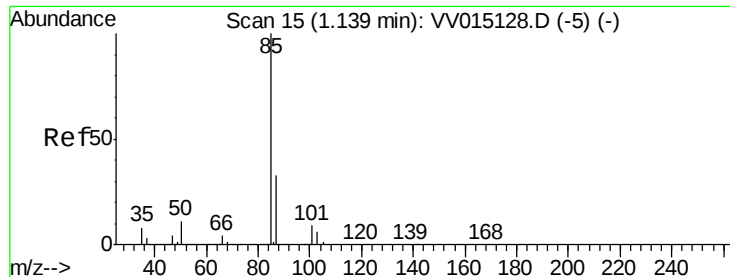
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#2

Dichlorodifluoromethane

Concen: 49.923 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV015131.D

Acq: 25 Mar 2020 06:11

Instrument :

MSVOA_V

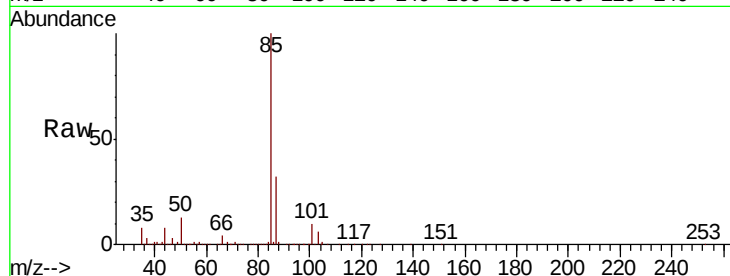
ClientSampleId :

Tot Ion: 85 Resp: 140732

Ion Ratio Lower Upper

85 100

87 31.7 26.2 39.2



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0

1.14

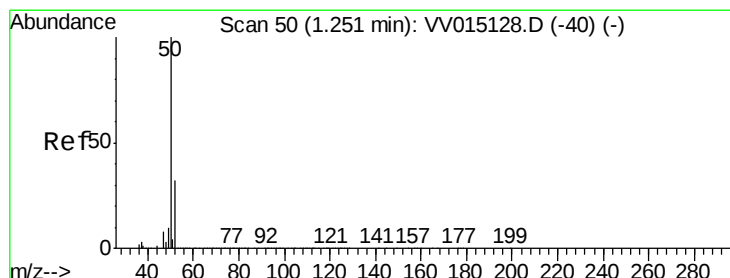
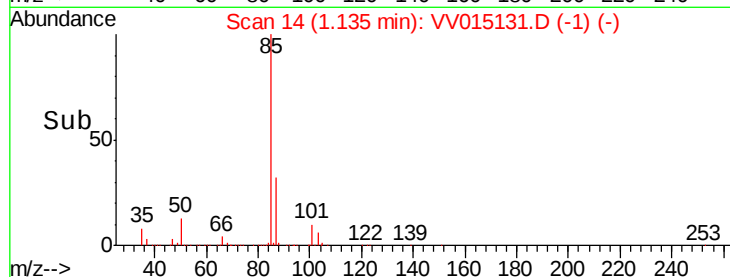
150000

100000

50000

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Time-->



#3

Chloromethane

Concen: 50.192 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV015131.D

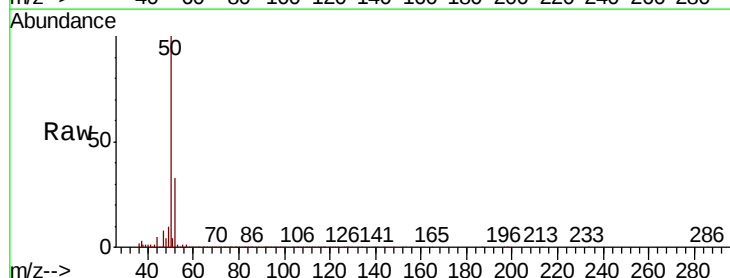
Acq: 25 Mar 2020 06:11

Tgt Ion: 50 Resp: 264456

Ion Ratio Lower Upper

50 100

52 32.5 22.1 41.1



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0

1.25

250000

200000

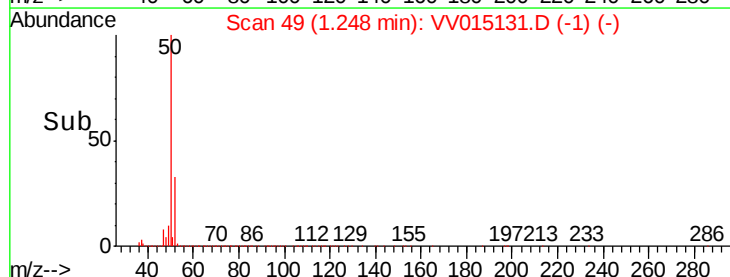
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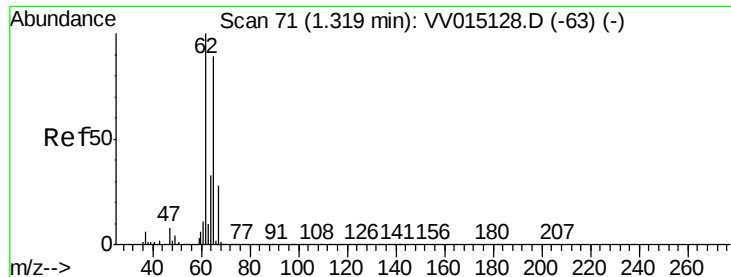
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50000

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Time-->





#5

Vinyl chloride

Concen: 50.519 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV015131.D

Acq: 25 Mar 2020 06:11

Instrument :

MSVOA_V

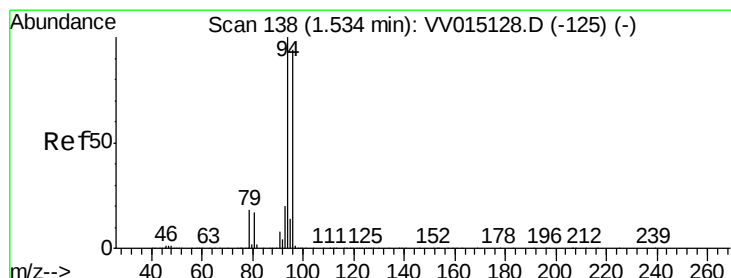
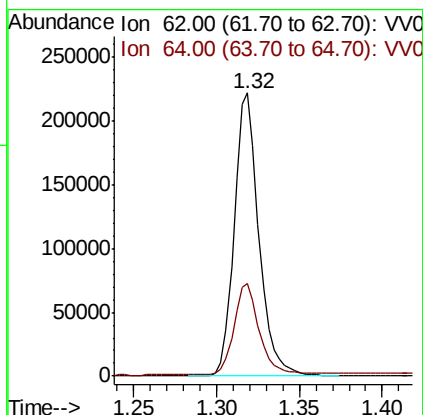
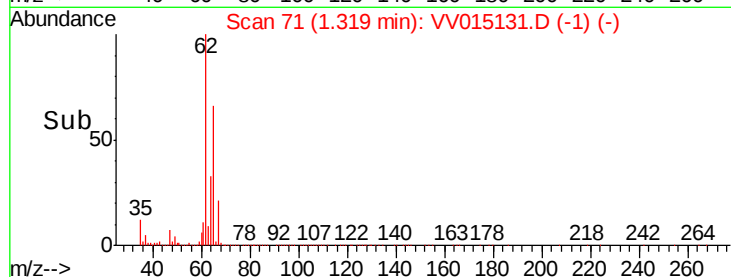
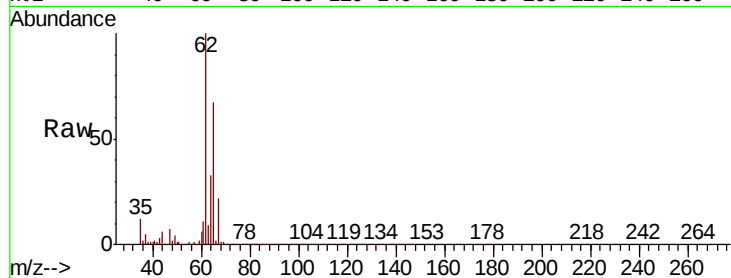
ClientSampleId :

Tot Ion: 62 Resp: 229633

Ion Ratio Lower Upper

62 100

64 32.8 23.2 43.2



#6

Bromomethane

Concen: 50.234 ug/L

RT: 1.53 min Scan# 137

Delta R.T. -0.00 min

Lab File: VV015131.D

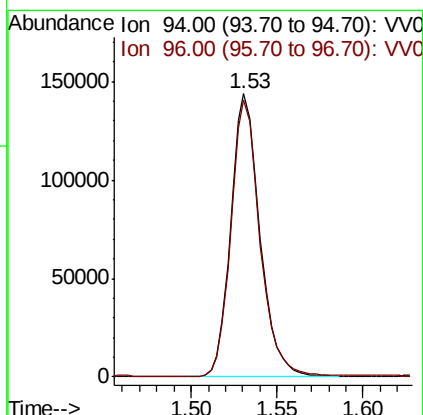
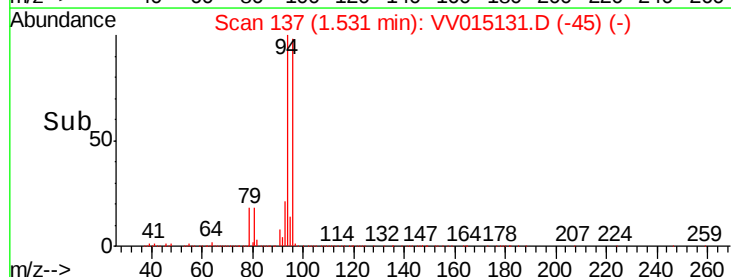
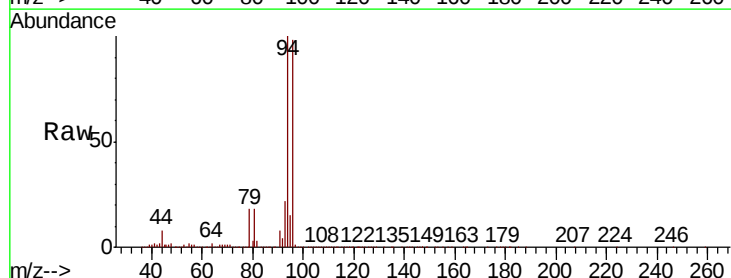
Acq: 25 Mar 2020 06:11

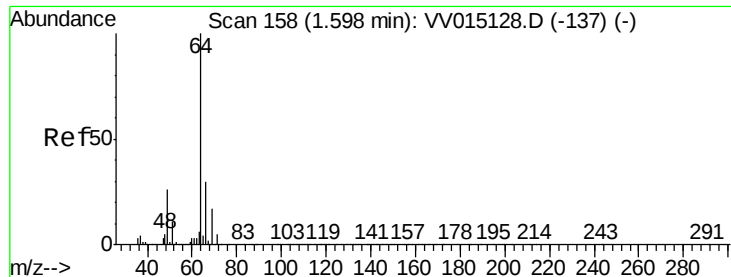
Tgt Ion: 94 Resp: 169008

Ion Ratio Lower Upper

94 100

96 97.7 66.1 122.8

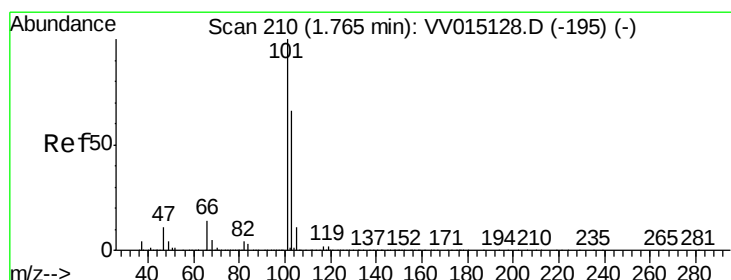
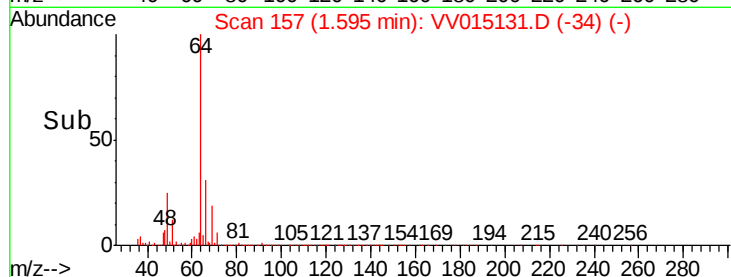
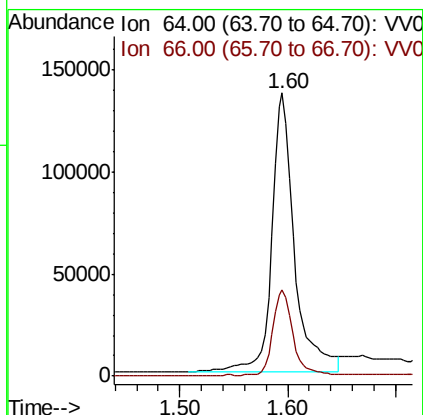
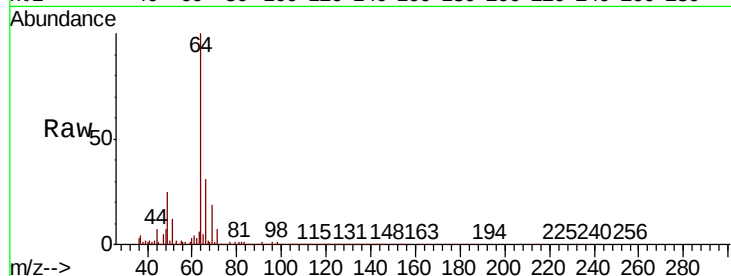




#8
Chloroethane
Concen: 52.634 ug/L
RT: 1.60 min Scan# 157
Delta R.T. -0.00 min
Lab File: VV015131.D
Acq: 25 Mar 2020 06:11

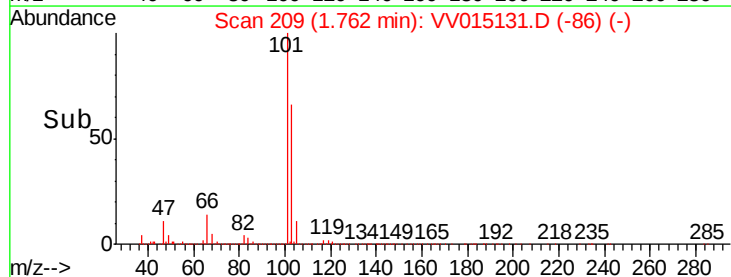
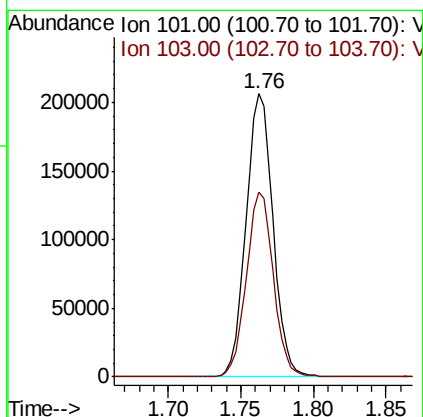
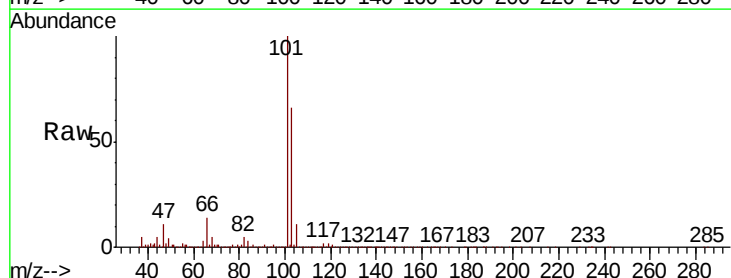
Instrument :
MSVOA_V
ClientSampleId :

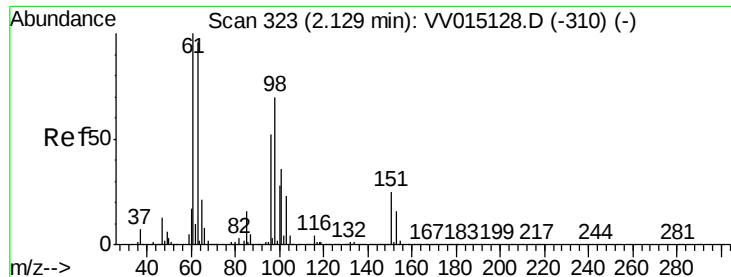
Tot Ion: 64 Resp: 201198
Ion Ratio Lower Upper
64 100
66 30.7 21.2 39.4



#9
Trichlorofluoromethane
Concen: 50.249 ug/L
RT: 1.76 min Scan# 209
Delta R.T. -0.00 min
Lab File: VV015131.D
Acq: 25 Mar 2020 06:11

Tgt Ion: 101 Resp: 267744
Ion Ratio Lower Upper
101 100
103 65.1 52.8 79.2





#10

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

Concen: 49.272 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV015131.D

Acq: 25 Mar 2020 06:11

Instrument :

MSVOA_V

ClientSampled :

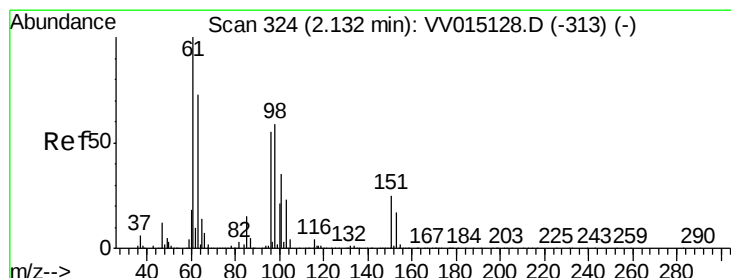
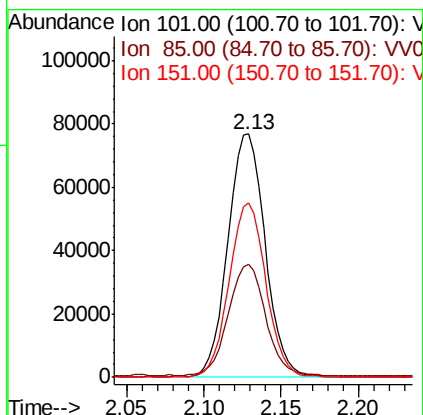
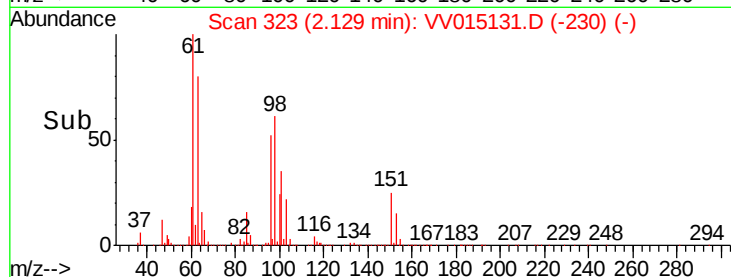
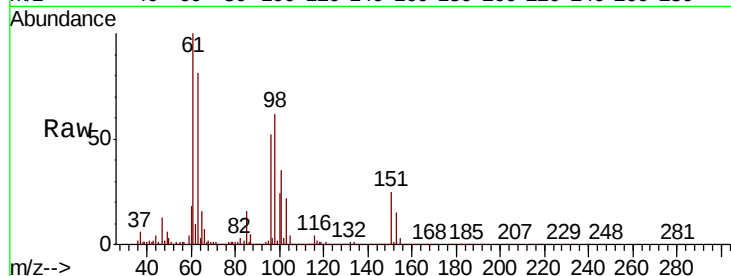
Tot Ion:101 Resp: 128129

Ion Ratio Lower Upper

101 100

85 45.8 36.0 54.0

151 71.0 56.7 85.1



#12

1,1-Dichloroethene

Concen: 49.239 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV015131.D

Acq: 25 Mar 2020 06:11

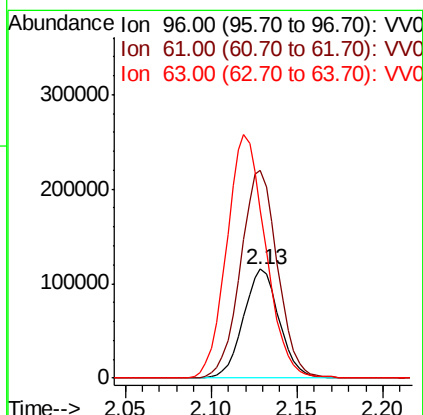
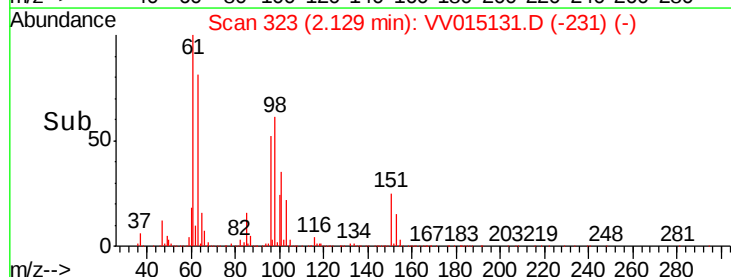
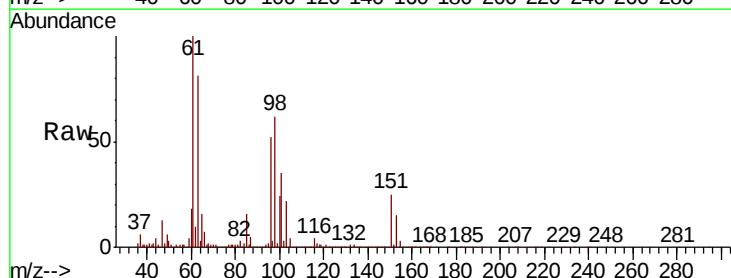
Tgt Ion: 96 Resp: 165047

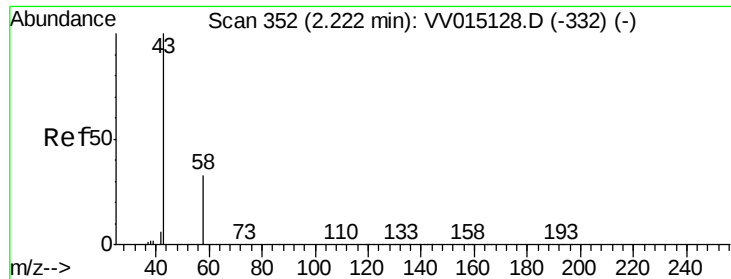
Ion Ratio Lower Upper

96 100

61 190.9 128.2 238.0

63 154.1 97.9 181.9





#13

Acetone

Concen: 98.388 ug/L

RT: 2.22 min Scan# 352

Delta R.T. 0.00 min

Lab File: VV015131.D

Acq: 25 Mar 2020 06:11

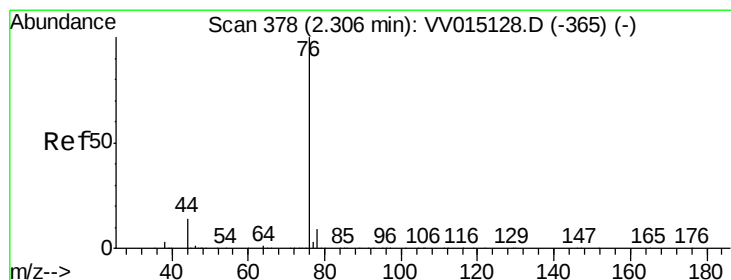
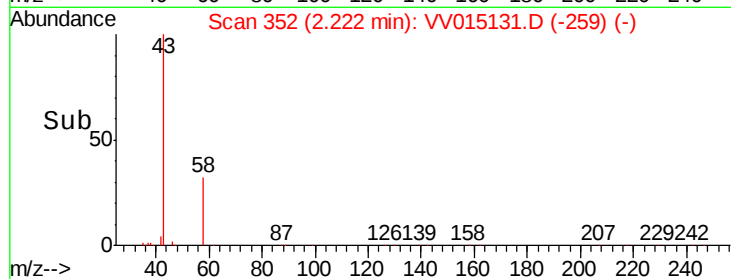
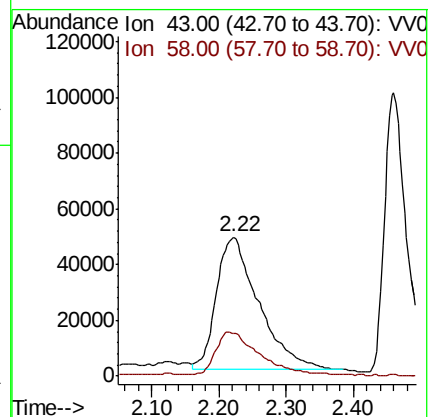
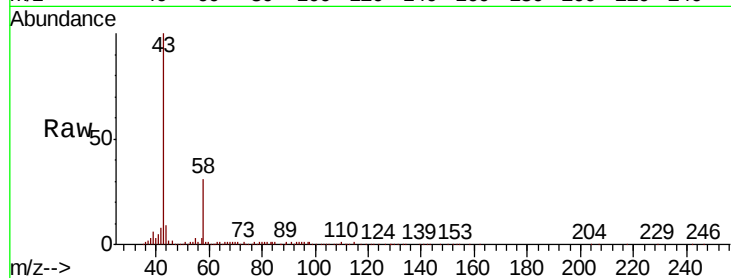
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 208978

Ion Ratio Lower Upper

43 100

58 30.2 0.0 61.6



#14

Carbon disulfide

Concen: 50.043 ug/L

RT: 2.31 min Scan# 378

Delta R.T. 0.00 min

Lab File: VV015131.D

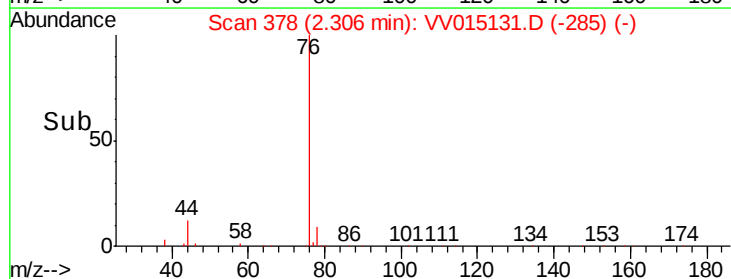
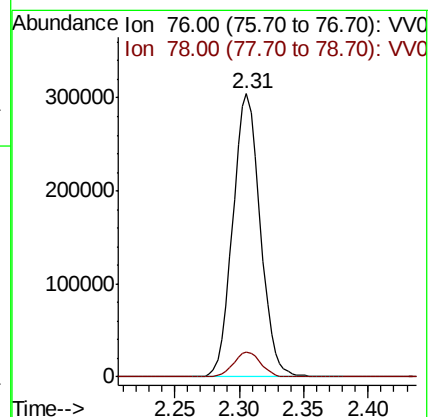
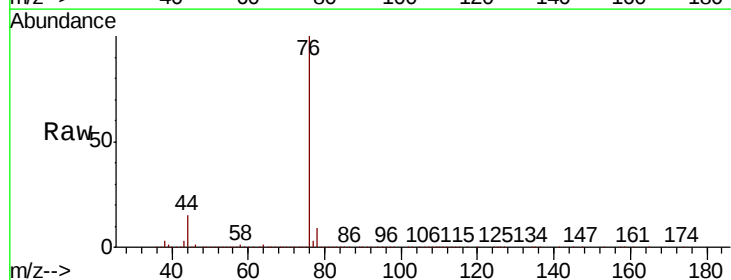
Acq: 25 Mar 2020 06:11

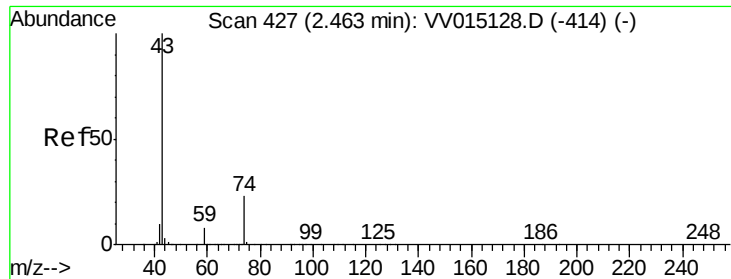
Tgt Ion: 76 Resp: 448821

Ion Ratio Lower Upper

76 100

78 8.9 7.5 11.3

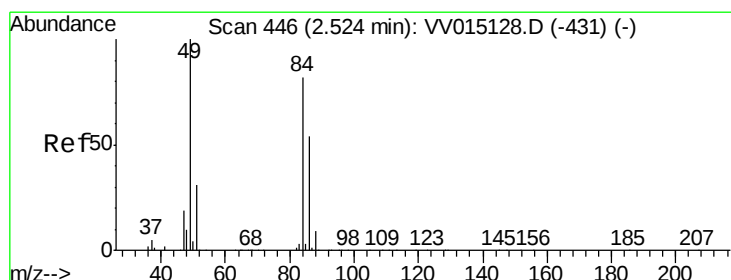
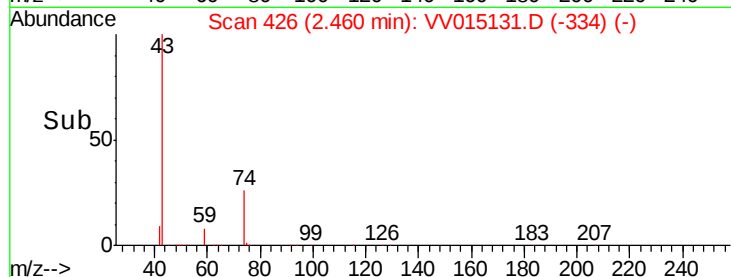
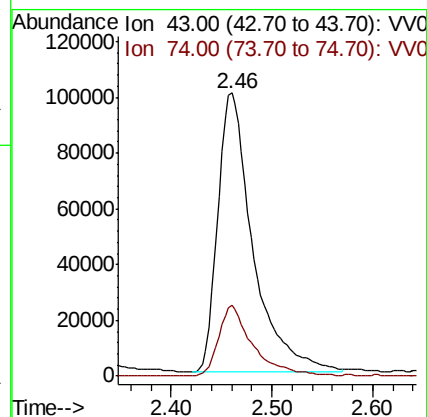
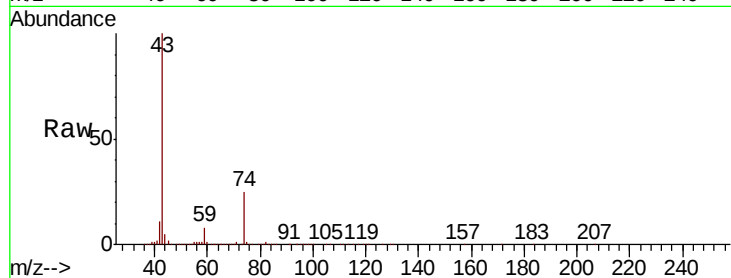




#15
Methvl Acetate
Concen: 50.677 ug/L
RT: 2.46 min Scan# 426
Delta R.T. -0.00 min
Lab File: VV015131.D
Acq: 25 Mar 2020 06:11

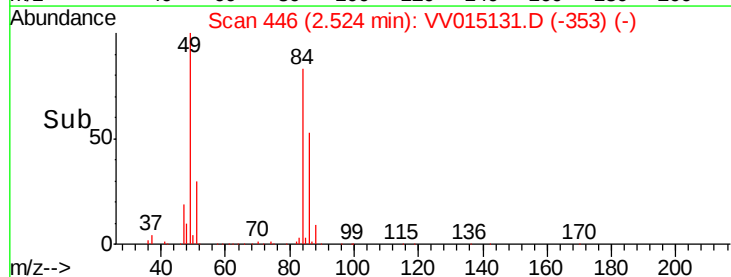
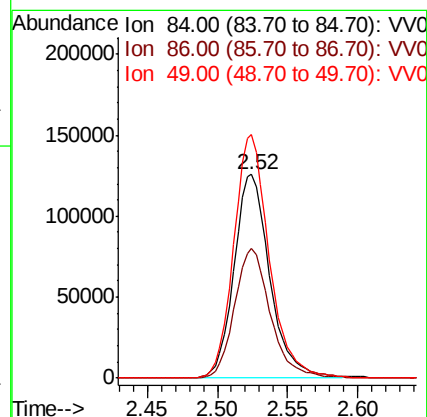
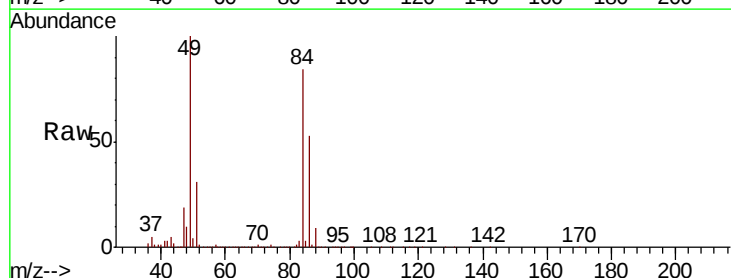
Instrument :
MSVOA_V
ClientSampleId :

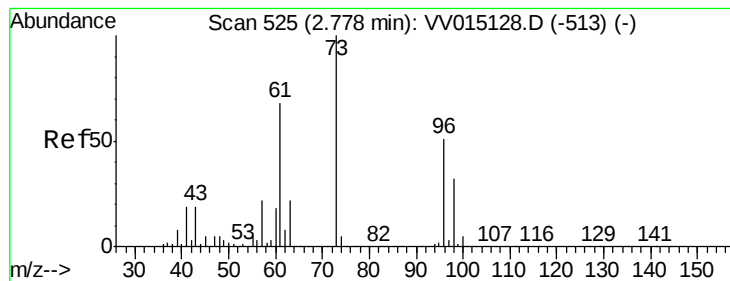
Tot Ion: 43 Resp: 241934
Ion Ratio Lower Upper
43 100
74 24.1 20.1 30.1



#16
Methylene chloride
Concen: 50.728 ug/L
RT: 2.52 min Scan# 446
Delta R.T. -0.00 min
Lab File: VV015131.D
Acq: 25 Mar 2020 06:11

Tgt Ion: 84 Resp: 221945
Ion Ratio Lower Upper
84 100
86 63.5 45.6 84.8
49 119.6 85.1 158.1





#17

trans-1,2-Dichloroethene

Concen: 50.118 ug/L

RT: 2.78 min Scan# 525

Delta R.T. 0.00 min

Lab File: VV015131.D

Acq: 25 Mar 2020 06:11

Instrument :

MSVOA_V

ClientSampleId :

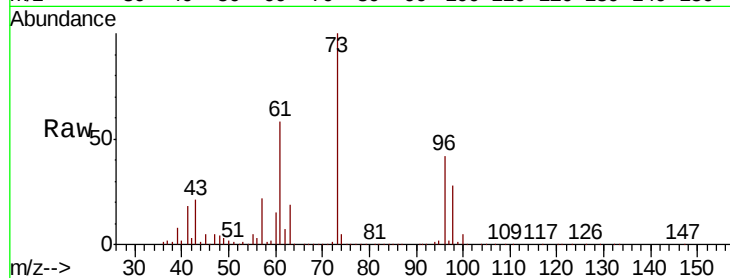
Tot Ion: 96 Resp: 166513

Ion Ratio Lower Upper

96 100

61 136.7 93.8 174.2

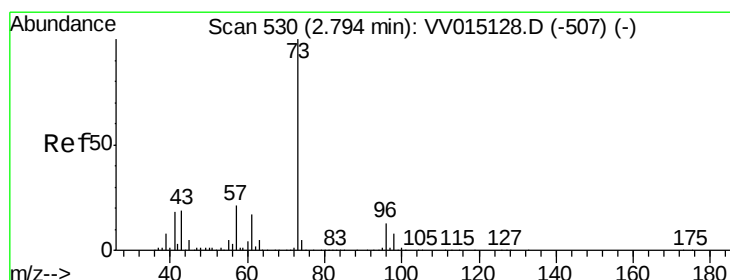
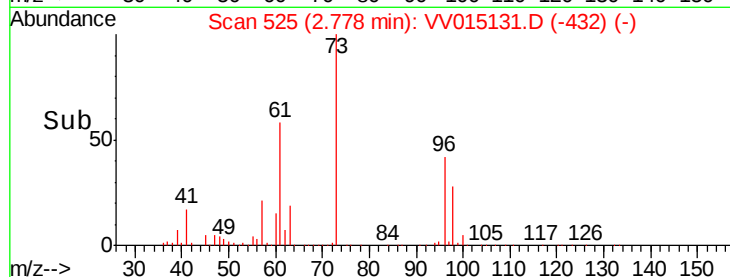
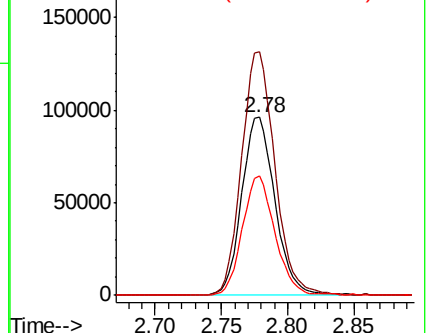
98 67.2 44.7 83.1



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: 51.333 ug/L

RT: 2.79 min Scan# 529

Delta R.T. -0.00 min

Lab File: VV015131.D

Acq: 25 Mar 2020 06:11

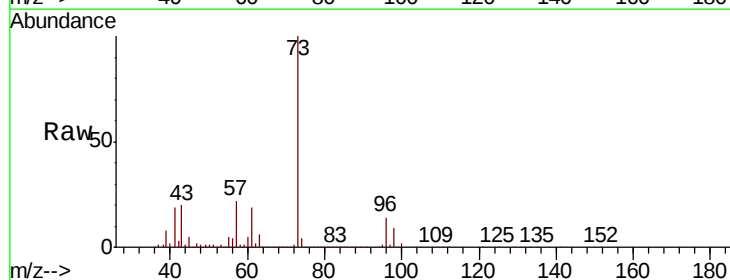
Tgt Ion: 73 Resp: 720208

Ion Ratio Lower Upper

73 100

43 19.5 15.3 22.9

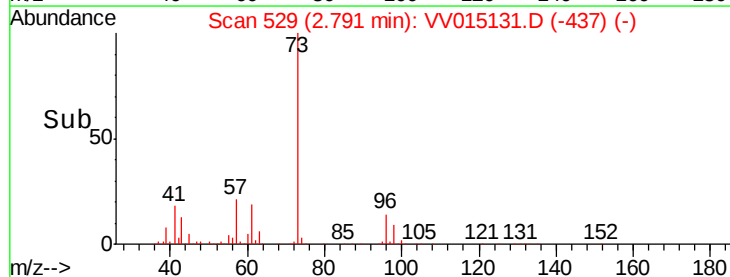
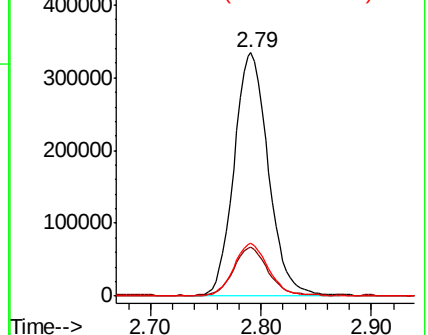
57 21.3 17.3 25.9

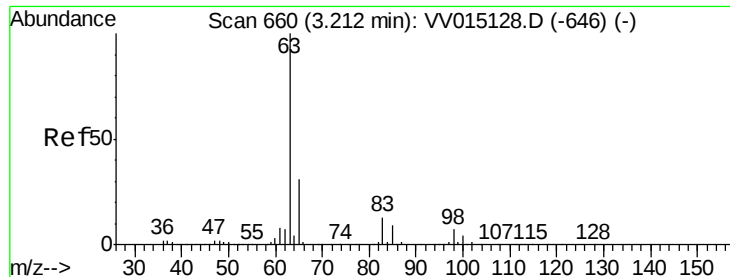


Abundance Ion 73.00 (72.70 to 73.70): VV0

Ion 43.00 (42.70 to 43.70): VV0

Ion 57.00 (56.70 to 57.70): VV0

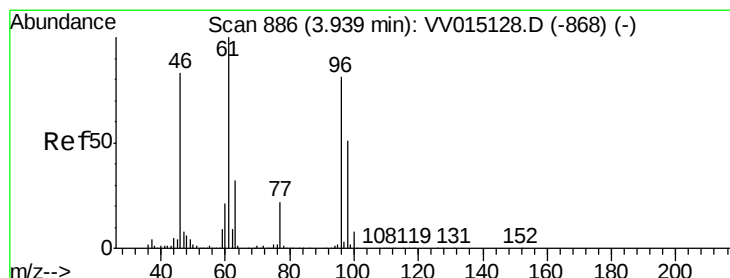
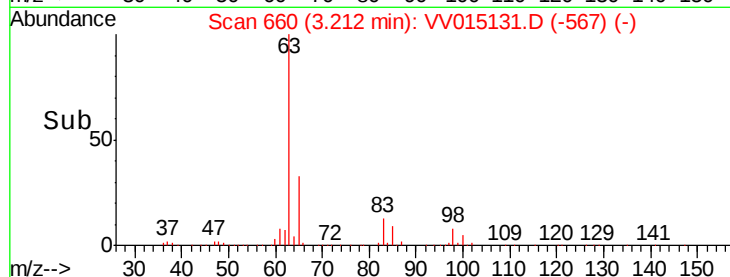
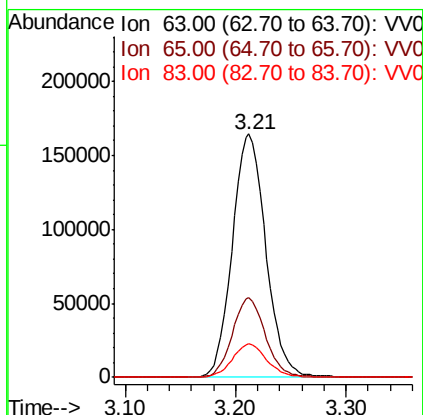
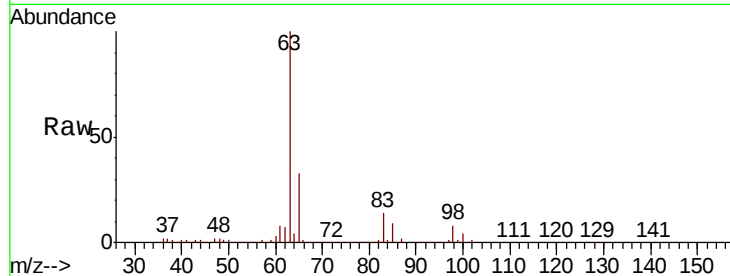




#19
 1,1-Dichloroethane
 Concen: 50.035 ug/L
 RT: 3.21 min Scan# 660
 Delta R.T. 0.00 min
 Lab File: VV015131.D
 Acq: 25 Mar 2020 06:11

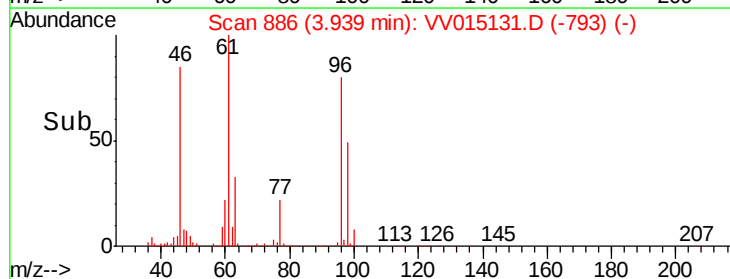
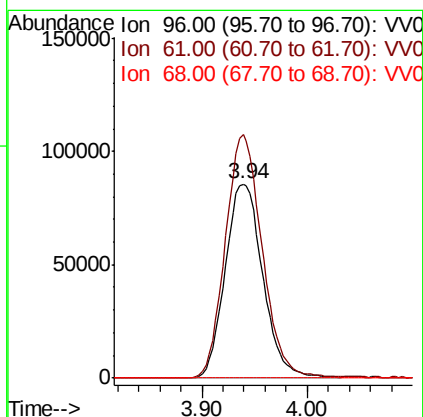
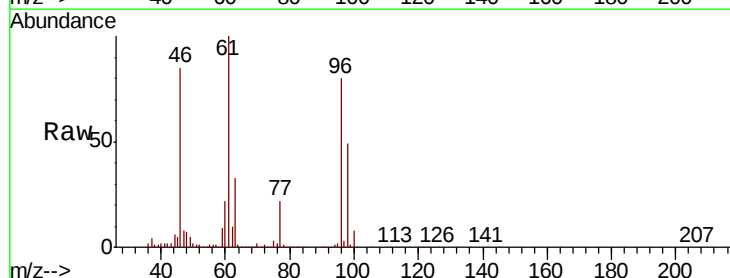
Instrument :
 MSVOA_V
 ClientSampleId :

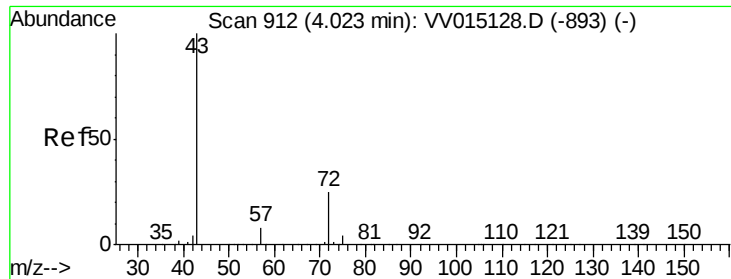
Tot Ion: 63 Resp: 346042
 Ion Ratio Lower Upper
 63 100
 65 32.7 21.6 40.2
 83 13.6 9.5 17.7



#20
 cis-1,2-Dichloroethene
 Concen: 50.989 ug/L
 RT: 3.94 min Scan# 886
 Delta R.T. -0.00 min
 Lab File: VV015131.D
 Acq: 25 Mar 2020 06:11

Tgt Ion: 96 Resp: 209773
 Ion Ratio Lower Upper
 96 100
 61 125.3 86.7 160.9
 68 0.3 0.1 0.3#





#22

2-Butanone

Concen: 101.991 ug/L

RT: 4.02 min Scan# 911

Delta R.T. -0.00 min

Lab File: VV015131.D

Acq: 25 Mar 2020 06:11

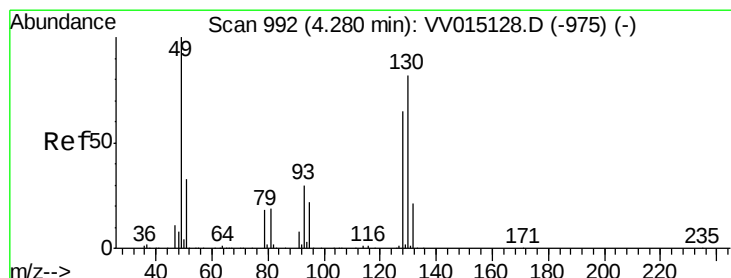
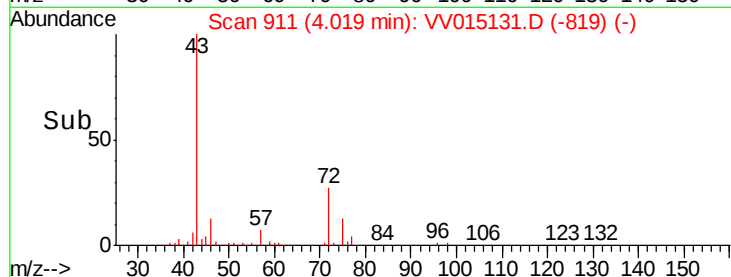
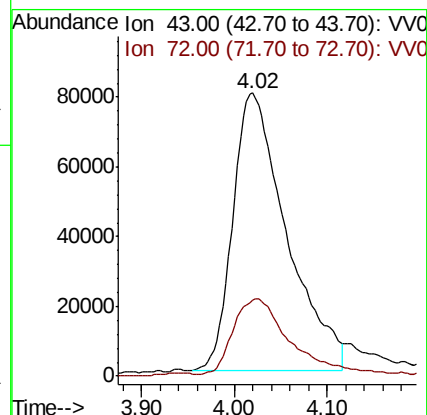
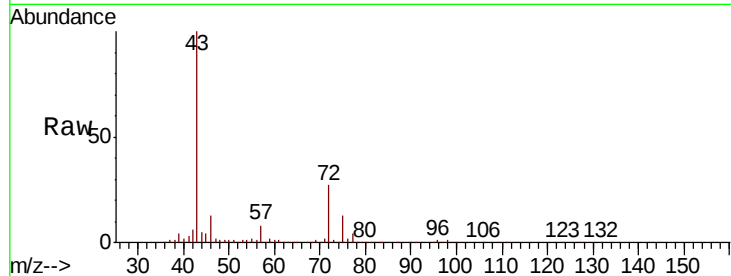
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 319725

Ion Ratio Lower Upper

43 100

72 28.3 0.1 0.5#



#23

Bromochloromethane

Concen: 50.069 ug/L

RT: 4.28 min Scan# 991

Delta R.T. -0.00 min

Lab File: VV015131.D

Acq: 25 Mar 2020 06:11

Tgt Ion:128 Resp: 113519

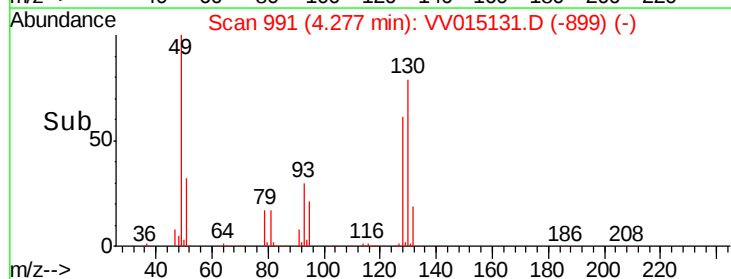
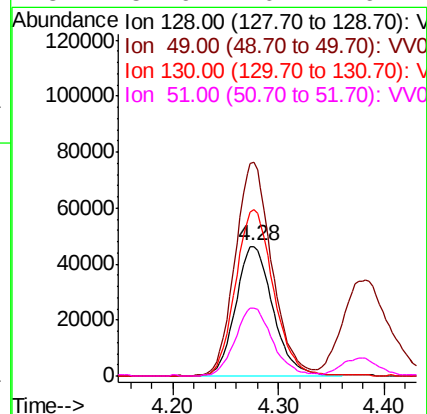
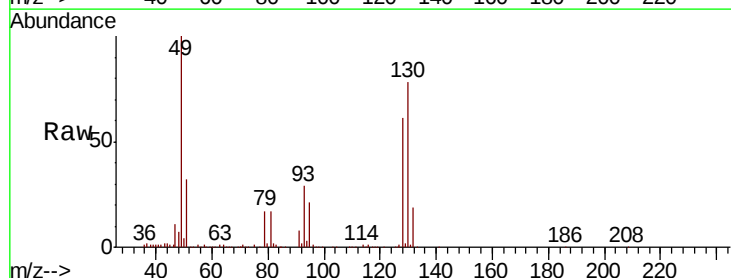
Ion Ratio Lower Upper

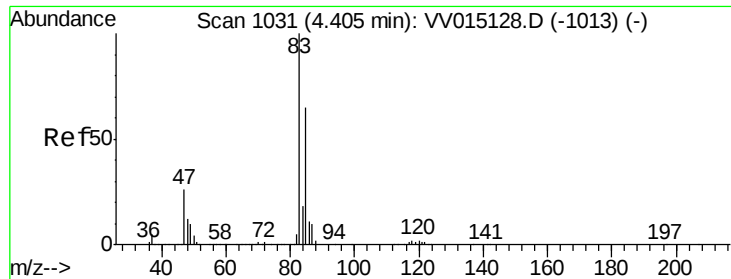
128 100

49 164.9 107.9 200.5

130 128.3 88.2 163.8

51 52.9 40.7 61.1





#25

Chloroform

Concen: 51.152 ug/L

RT: 4.40 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VV015131.D

Acq: 25 Mar 2020 06:11

Instrument :

MSVOA_V

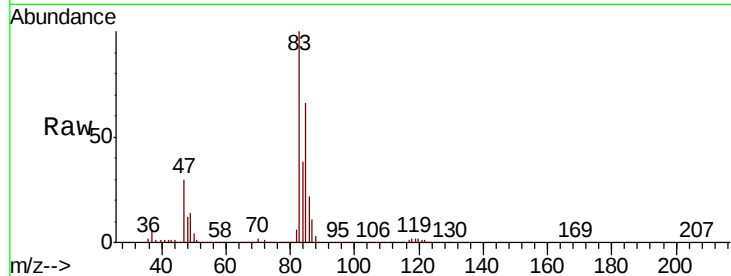
ClientSampleId :

Tot Ion: 83 Resp: 366203

Ion Ratio Lower Upper

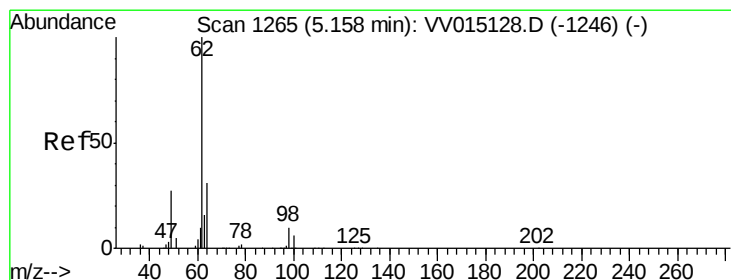
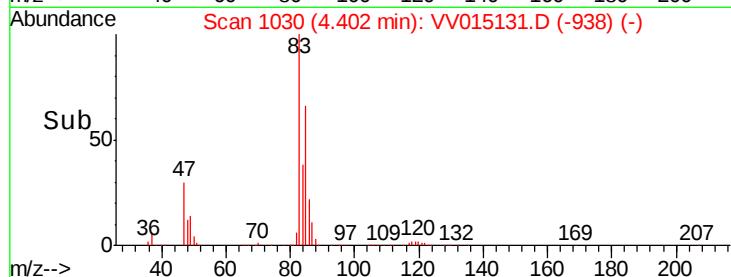
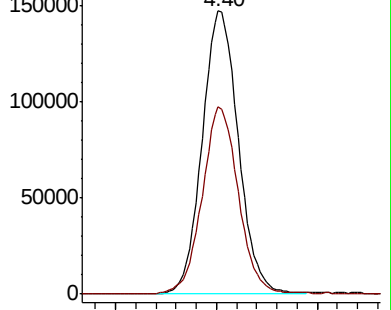
83 100

85 66.0 45.7 84.9



Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0



#27

1,2-Dichloroethane

Concen: 51.089 ug/L

RT: 5.16 min Scan# 1265

Delta R.T. -0.00 min

Lab File: VV015131.D

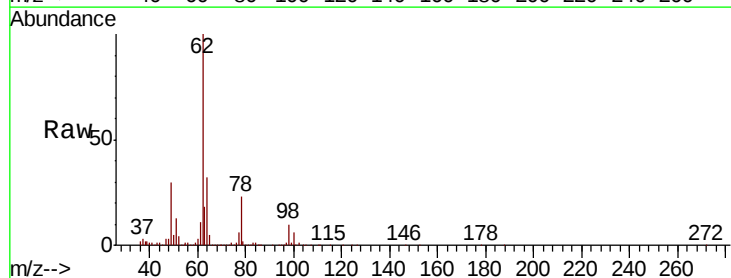
Acq: 25 Mar 2020 06:11

Tgt Ion: 62 Resp: 294956

Ion Ratio Lower Upper

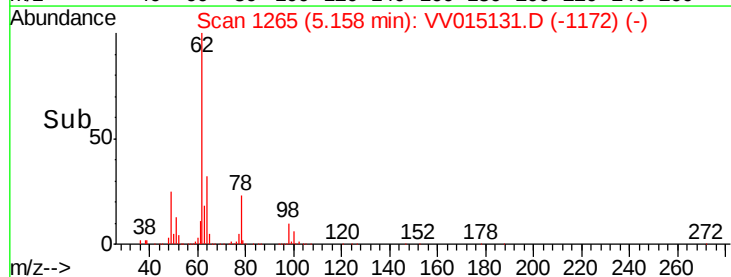
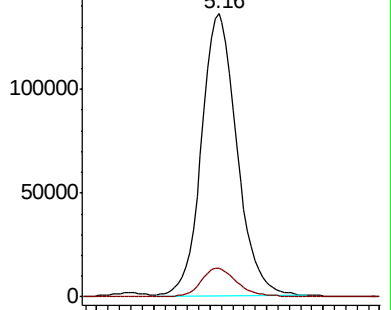
62 100

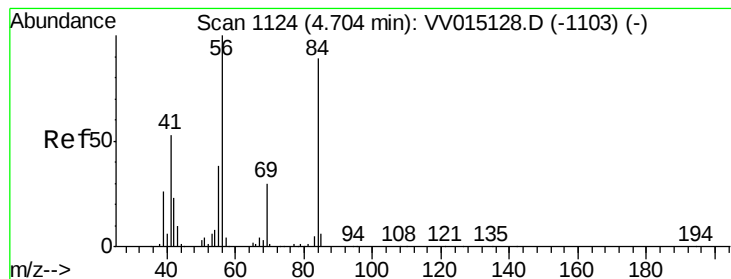
98 10.4 7.7 11.5



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 98.00 (97.70 to 98.70): VV0





#29

Cyclohexane

Concen: 51.035 ug/L

RT: 4.70 min Scan# 1124

Delta R.T. 0.00 min

Lab File: VV015131.D

Acq: 25 Mar 2020 06:11

Instrument :
MSVOA_V
ClientSampled :

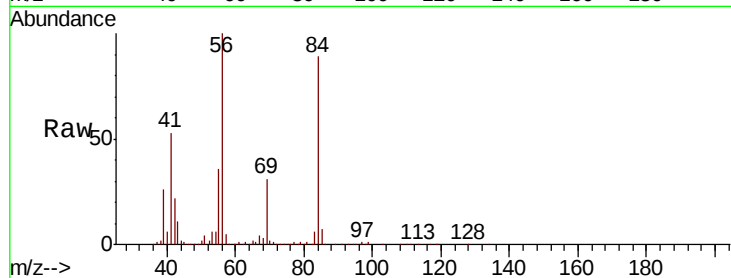
Tot Ion: 56 Resp: 192279

Ion Ratio Lower Upper

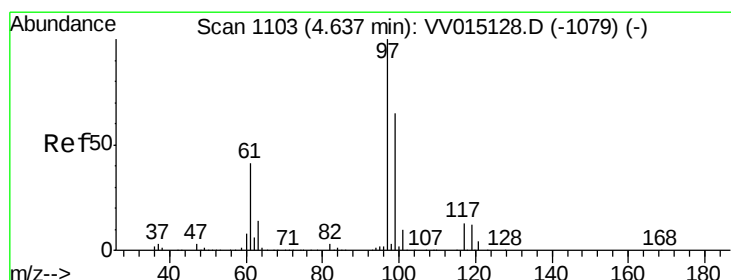
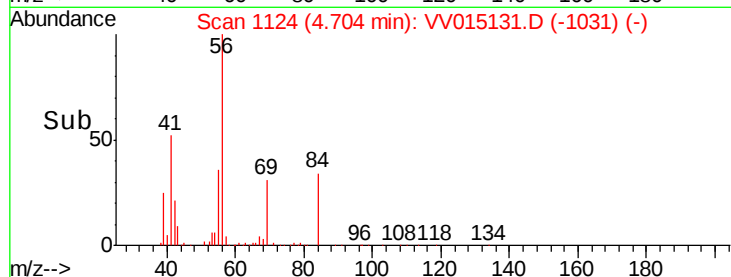
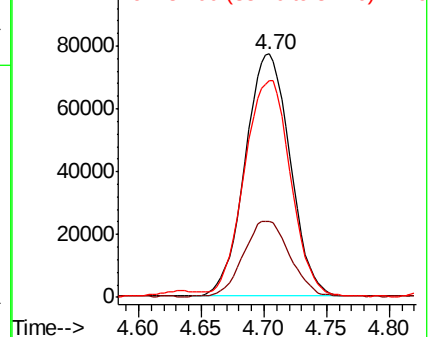
56 100

69 31.8 24.9 37.3

84 91.6 72.0 108.0



Abundance Ion 56.00 (55.70 to 56.70): VV0
Ion 69.00 (68.70 to 69.70): VV0
Ion 84.00 (83.70 to 84.70): VV0



#30

1,1,1-Trichloroethane

Concen: 52.094 ug/L

RT: 4.64 min Scan# 1103

Delta R.T. 0.00 min

Lab File: VV015131.D

Acq: 25 Mar 2020 06:11

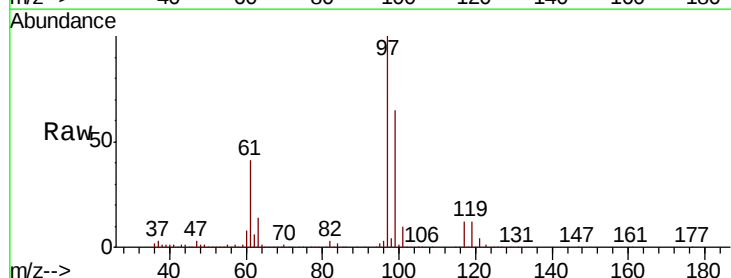
Tgt Ion: 97 Resp: 271128

Ion Ratio Lower Upper

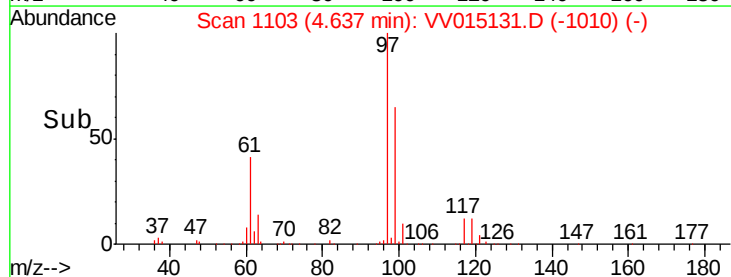
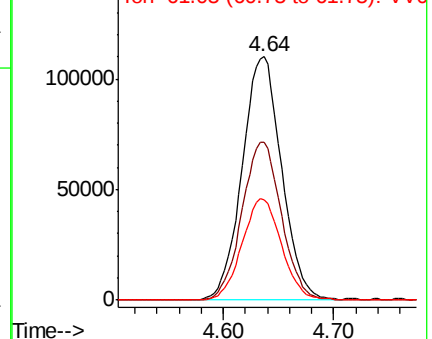
97 100

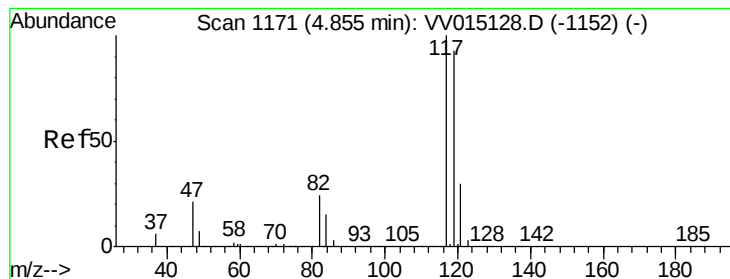
99 65.0 51.2 76.8

61 42.1 33.9 50.9



Abundance Ion 97.00 (96.70 to 97.70): VV0
Ion 99.00 (98.70 to 99.70): VV0
Ion 61.05 (60.75 to 61.75): VV0





#31

Carbon tetrachloride

Concen: 51.304 ug/L

RT: 4.85 min Scan# 1170

Delta R.T. -0.00 min

Lab File: VV015131.D

Acq: 25 Mar 2020 06:11

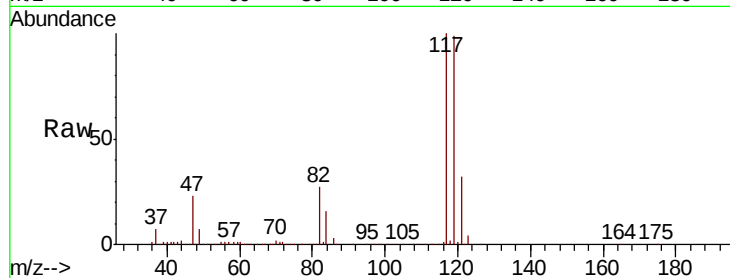
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:117 Resp: 208437

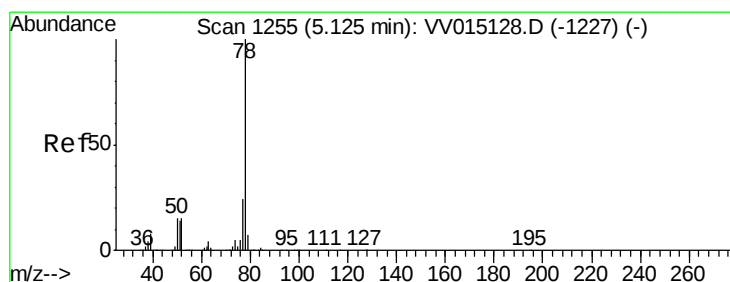
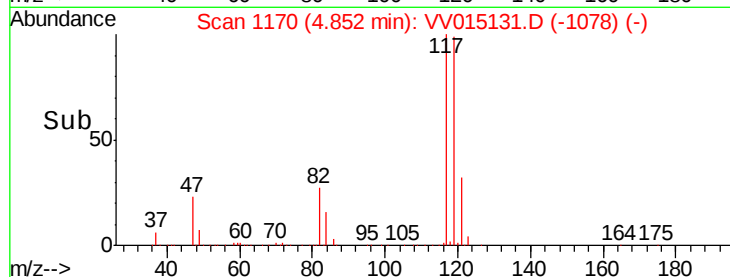
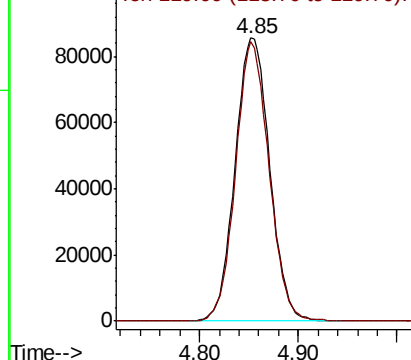
Ion Ratio Lower Upper

117 100

119 95.1 74.9 112.3



Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 51.253 ug/L

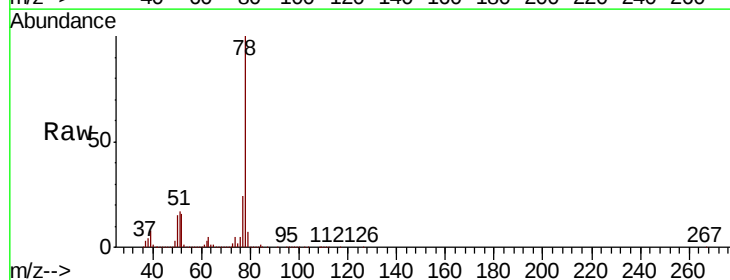
RT: 5.13 min Scan# 1255

Delta R.T. -0.00 min

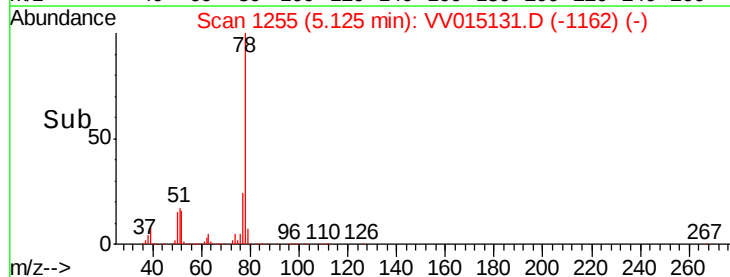
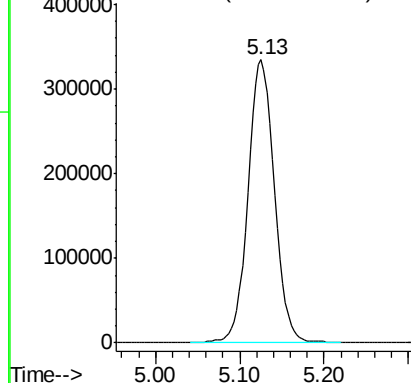
Lab File: VV015131.D

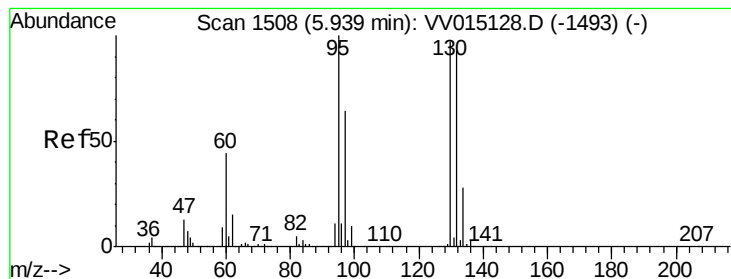
Acq: 25 Mar 2020 06:11

Tgt Ion: 78 Resp: 728690



Abundance Ion 78.00 (77.70 to 78.70): VV0





#34

Trichloroethene

Concen: 50.732 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VV015131.D

Acq: 25 Mar 2020 06:11

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion: 95 Resp: 165632

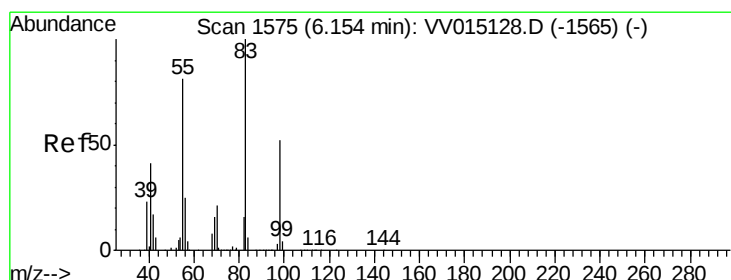
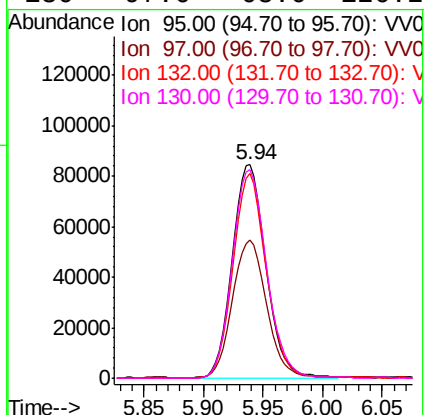
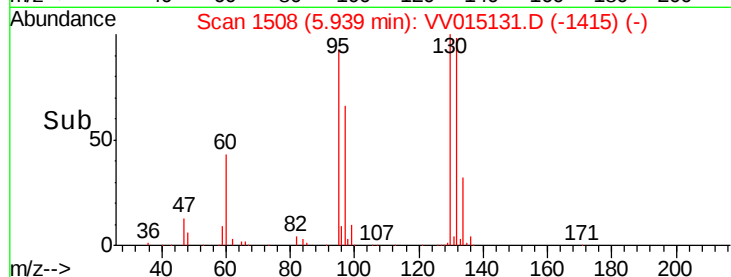
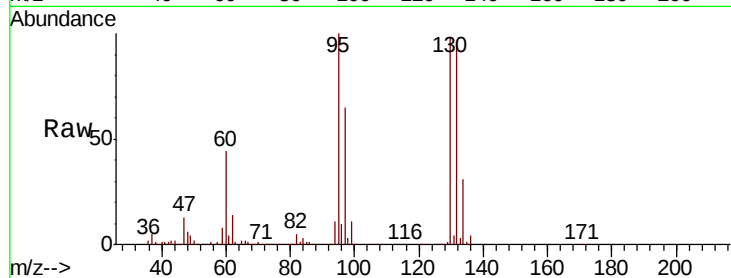
Ion Ratio Lower Upper

95 100

97 64.8 44.7 82.9

132 95.9 65.2 121.2

130 97.6 68.0 126.2



#35

Methylcyclohexane

Concen: 50.780 ug/L

RT: 6.15 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VV015131.D

Acq: 25 Mar 2020 06:11

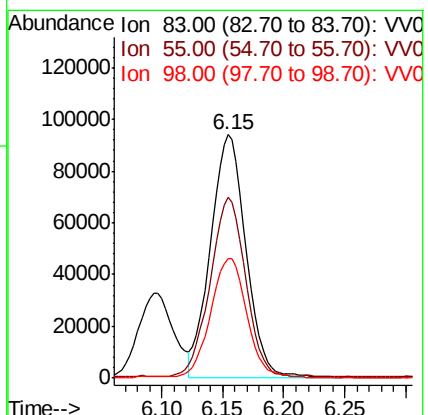
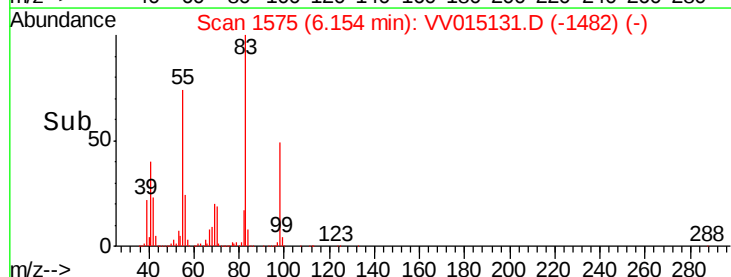
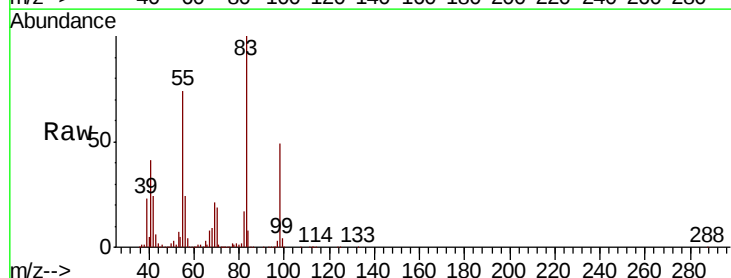
Tgt Ion: 83 Resp: 190781

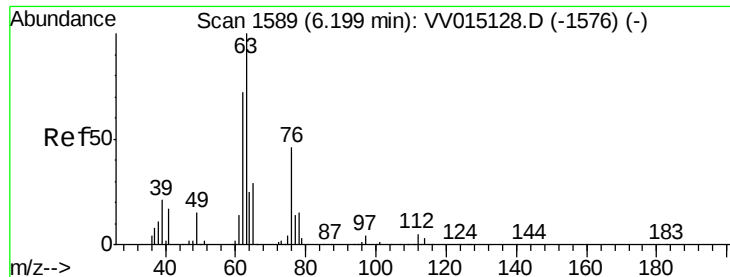
Ion Ratio Lower Upper

83 100

55 73.3 59.4 89.0

98 49.7 39.8 59.8

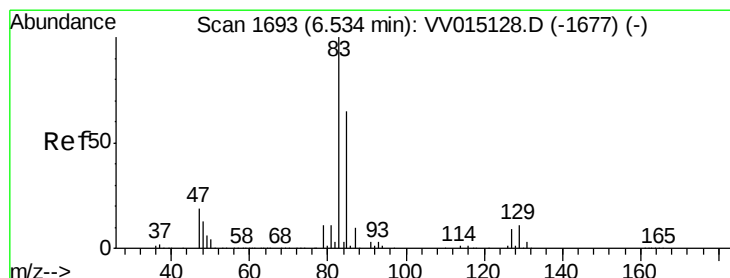
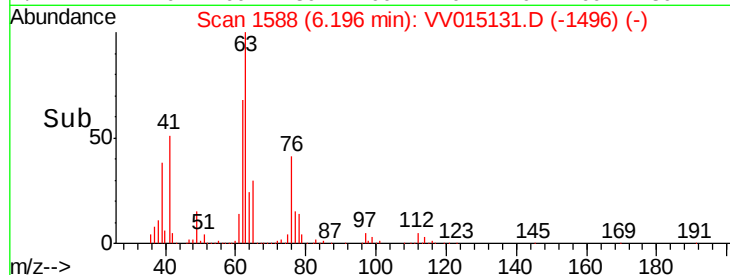
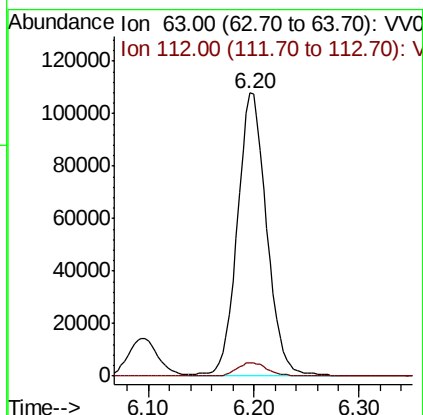
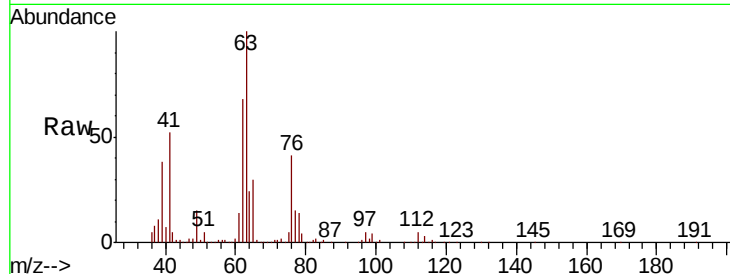




#37
 1,2-Dichloropropane
 Concen: 52.640 ug/L
 RT: 6.20 min Scan# 1588
 Delta R.T. -0.00 min
 Lab File: VV015131.D
 Acq: 25 Mar 2020 06:11

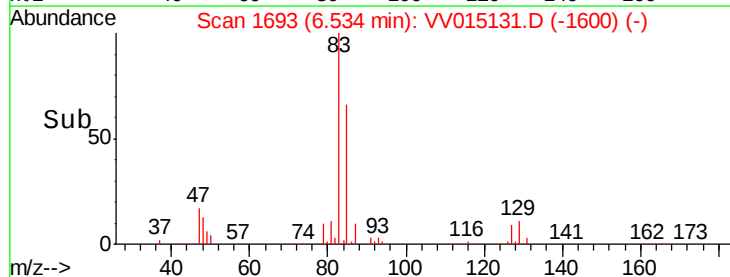
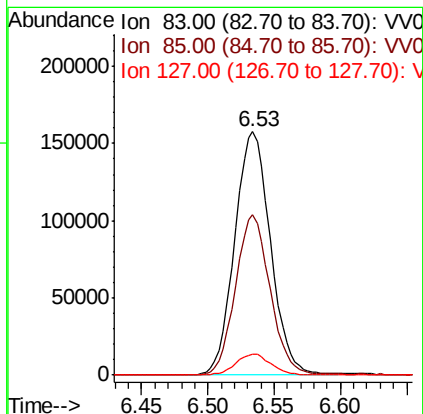
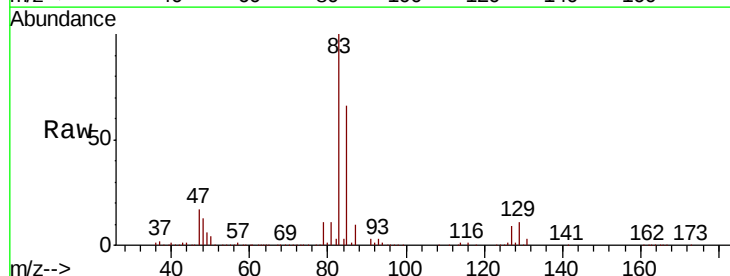
Instrument :
 MSVOA_V
 ClientSampleId :

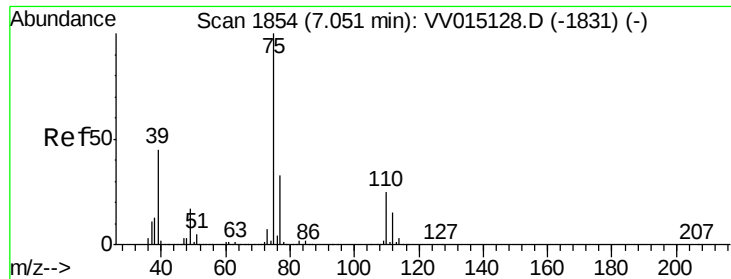
Tot Ion: 63 Resp: 206897
 Ion Ratio Lower Upper
 63 100
 112 5.0 4.0 6.0



#38
 Bromodichloromethane
 Concen: 52.366 ug/L
 RT: 6.53 min Scan# 1693
 Delta R.T. -0.00 min
 Lab File: VV015131.D
 Acq: 25 Mar 2020 06:11

Tgt Ion: 83 Resp: 295243
 Ion Ratio Lower Upper
 83 100
 85 66.0 45.5 84.5
 127 8.6 6.9 10.3



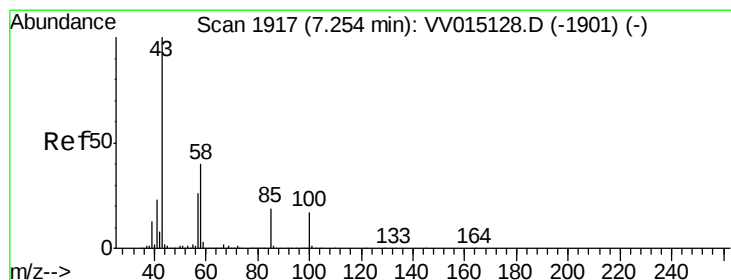
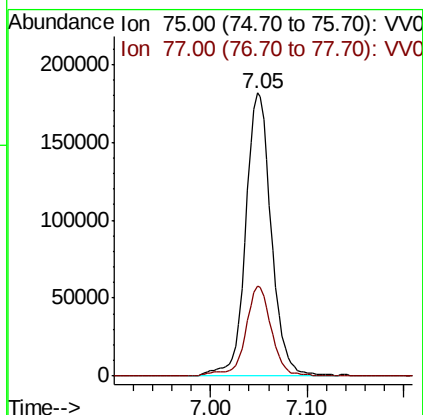
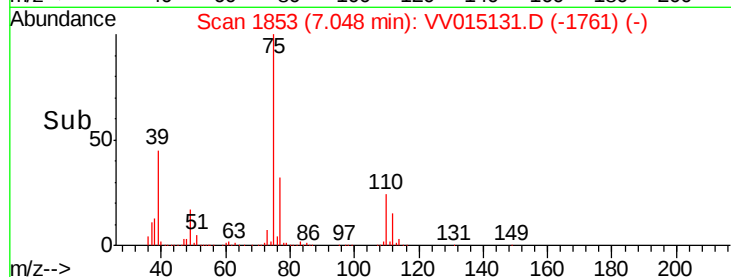
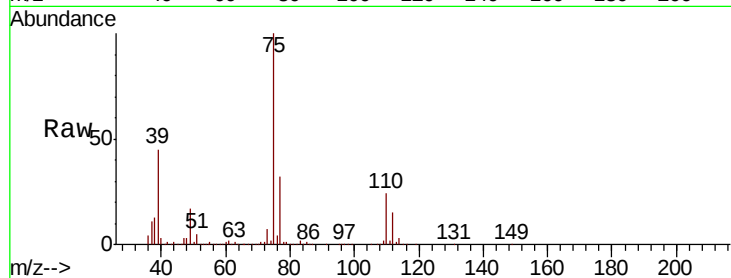


#39

cis-1,3-Dichloropropene
Concen: 52.793 ug/L
RT: 7.05 min Scan# 1853
Delta R.T. -0.00 min
Lab File: VV015131.D
Acq: 25 Mar 2020 06:11

Instrument :
MSVOA_V
ClientSampleId :

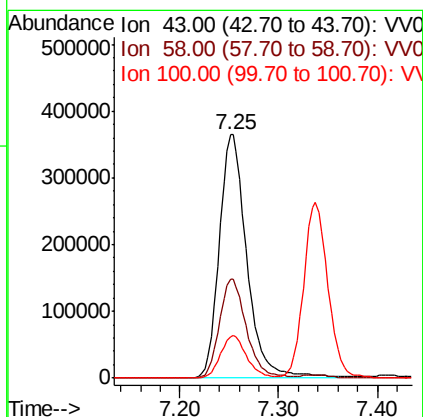
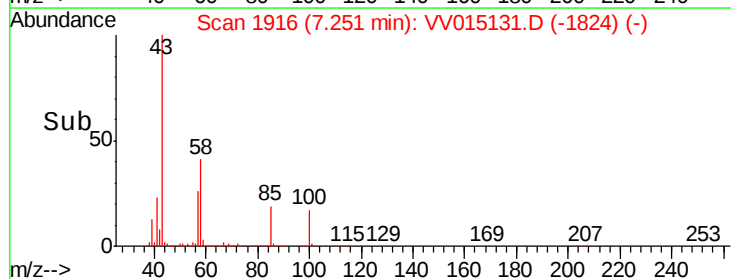
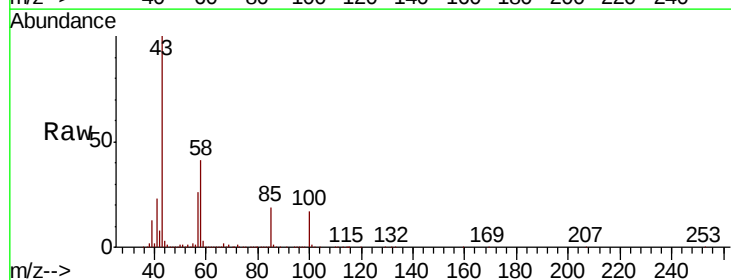
Tot Ion: 75 Resp: 333876
Ion Ratio Lower Upper
75 100
77 32.0 23.0 42.8

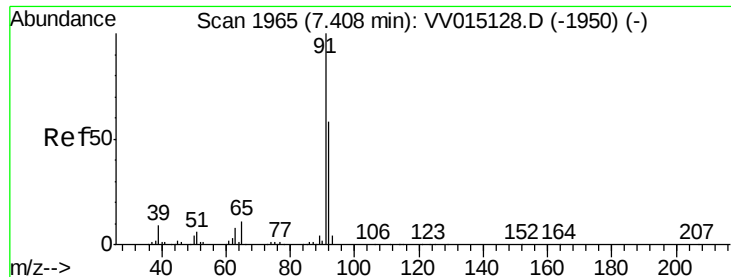


#40

4-Methyl-2-pentanone
Concen: 105.206 ug/L
RT: 7.25 min Scan# 1916
Delta R.T. -0.00 min
Lab File: VV015131.D
Acq: 25 Mar 2020 06:11

Tgt Ion: 43 Resp: 709934
Ion Ratio Lower Upper
43 100
58 40.0 32.8 49.2
100 16.6 13.6 20.4





#42

Toluene

Concen: 51.144 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VV015131.D

Acq: 25 Mar 2020 06:11

Instrument :

MSVOA_V

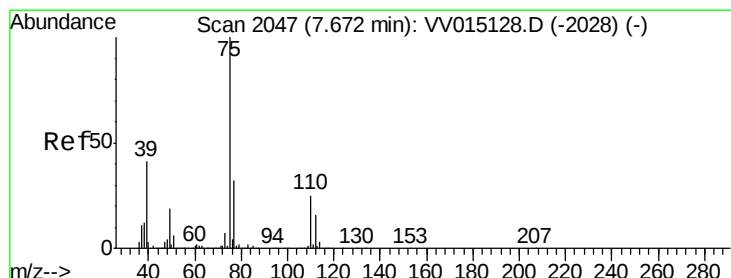
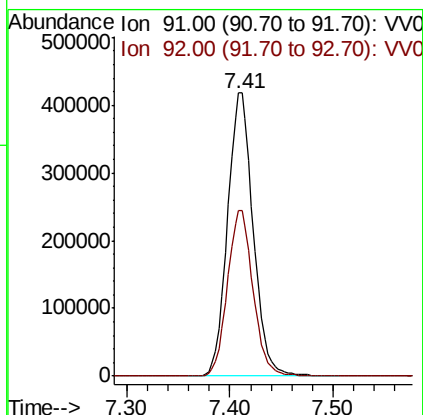
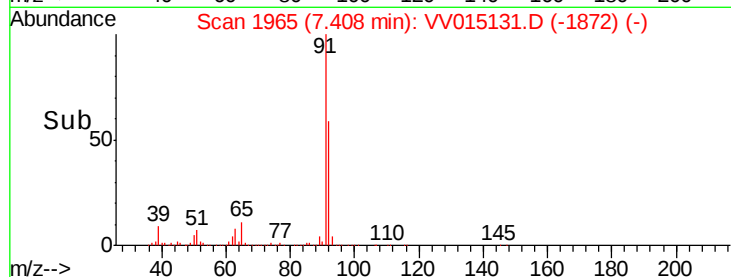
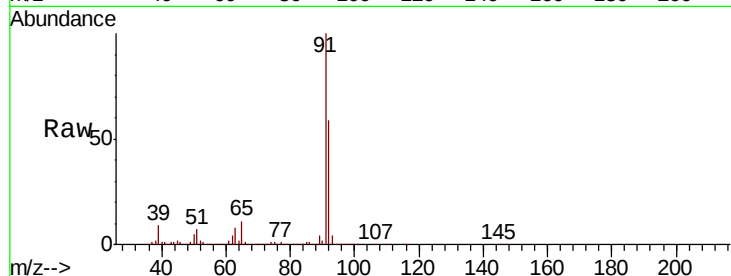
ClientSampleId :

Tot Ion: 91 Resp: 724619

Ion Ratio Lower Upper

91 100

92 58.5 40.5 75.3



#44

trans-1,3-Dichloropropene

Concen: 52.446 ug/L

RT: 7.67 min Scan# 2047

Delta R.T. 0.00 min

Lab File: VV015131.D

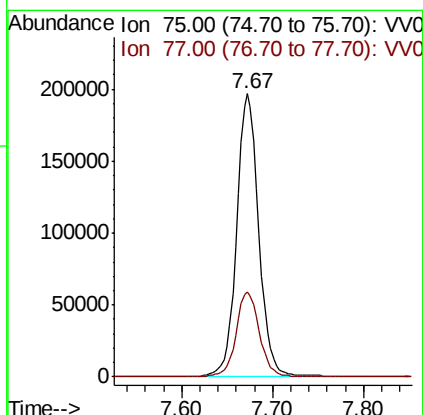
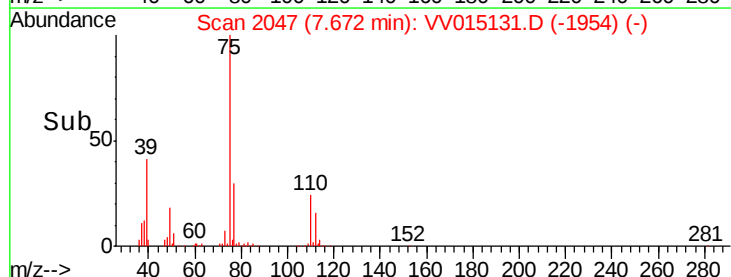
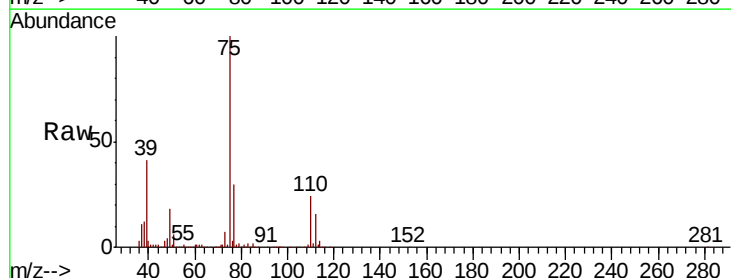
Acq: 25 Mar 2020 06:11

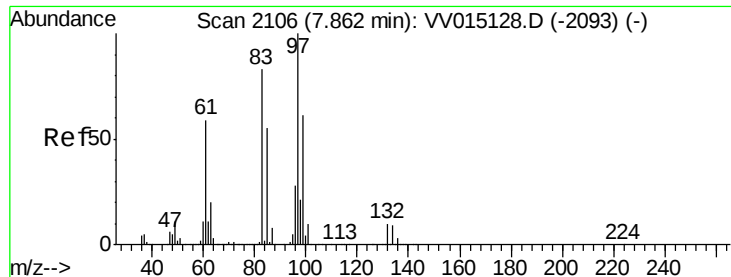
Tgt Ion: 75 Resp: 331841

Ion Ratio Lower Upper

75 100

77 30.2 22.3 41.5

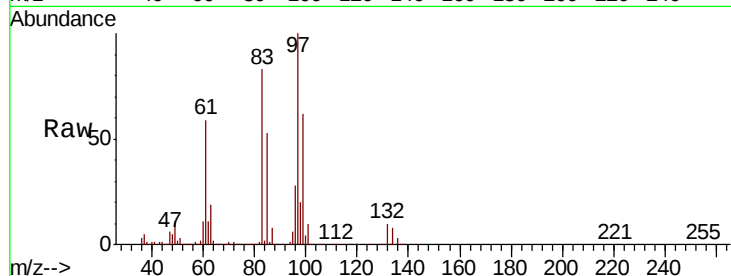




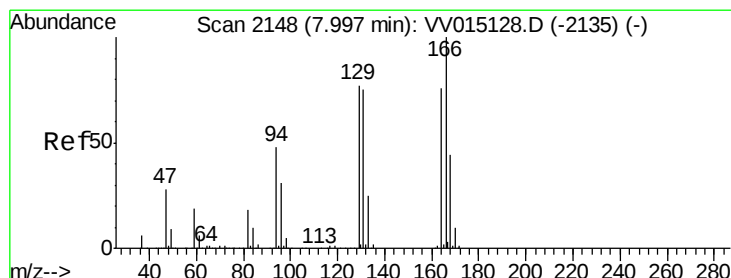
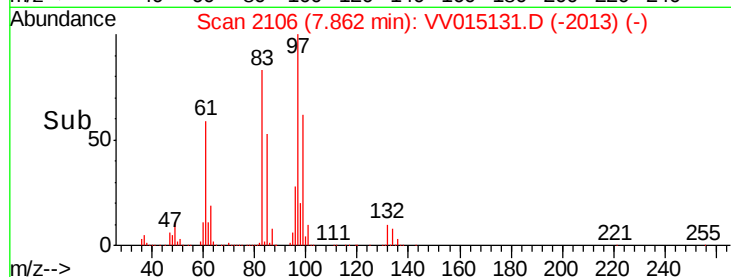
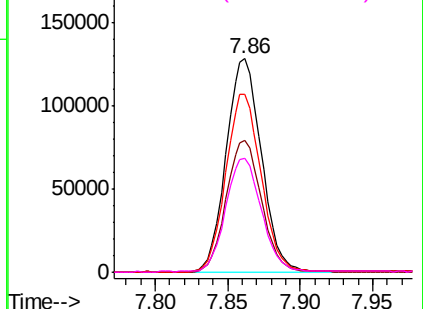
#45
 1,1,2-Trichloroethane
 Concen: 51.968 ug/L
 RT: 7.86 min Scan# 2106
 Delta R.T. 0.00 min
 Lab File: VV015131.D
 Acq: 25 Mar 2020 06:11

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:	97	Resp:	214888
Ion	Ratio	Lower	Upper
97	100		
99	61.9	42.7	79.3
83	83.3	58.4	108.6
85	53.3	38.4	71.4

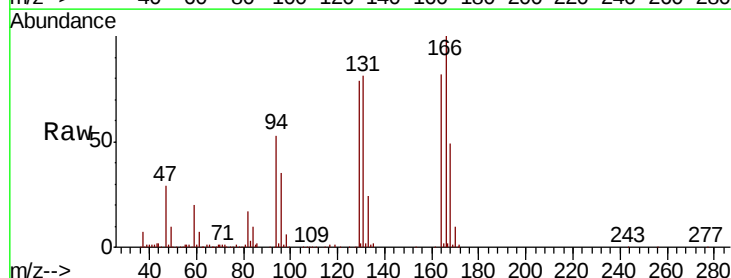


Abundance Ion 97.00 (96.70 to 97.70): VV015131.D (-2093) (-)
 Ion 99.00 (98.70 to 99.70): VV015131.D (-2093) (-)
 Ion 83.00 (82.70 to 83.70): VV015131.D (-2093) (-)
 Ion 85.00 (84.70 to 85.70): VV015131.D (-2093) (-)

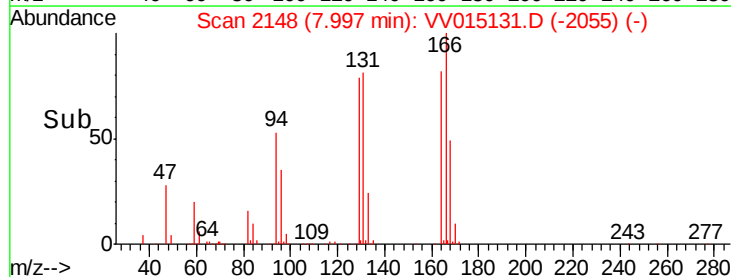
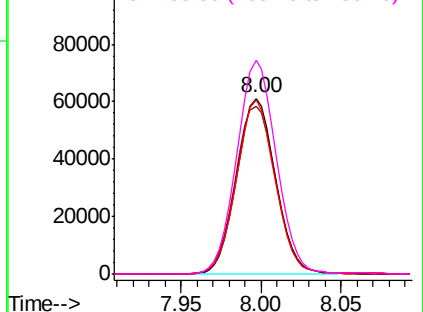


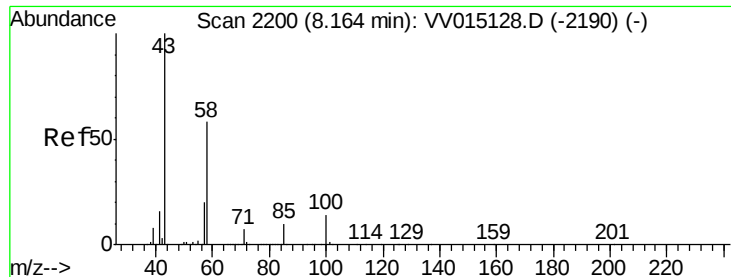
#46
 Tetrachloroethene
 Concen: 50.097 ug/L
 RT: 8.00 min Scan# 2148
 Delta R.T. -0.00 min
 Lab File: VV015131.D
 Acq: 25 Mar 2020 06:11

Tgt Ion:	164	Resp:	101491
Ion	Ratio	Lower	Upper
164	100		
129	95.5	70.8	131.6
131	98.7	68.4	127.0
166	121.4	91.8	170.4



Abundance Ion 164.00 (163.70 to 164.70): VV015131.D (-2055) (-)
 Ion 129.00 (128.70 to 129.70): VV015131.D (-2055) (-)
 Ion 131.00 (130.70 to 131.70): VV015131.D (-2055) (-)
 Ion 166.00 (165.70 to 166.70): VV015131.D (-2055) (-)

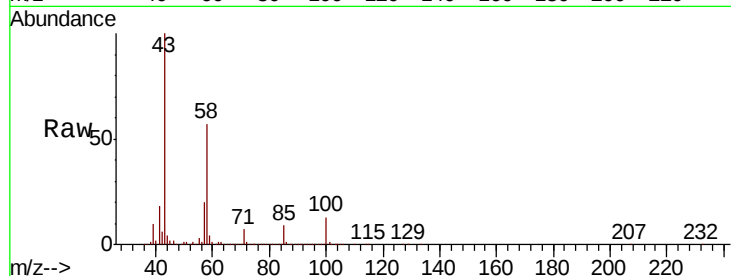




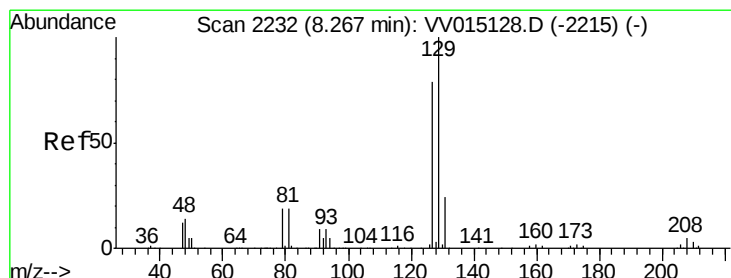
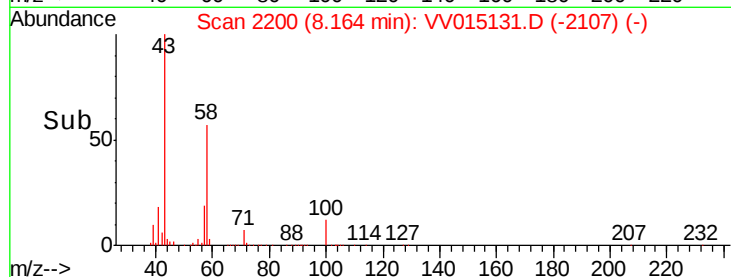
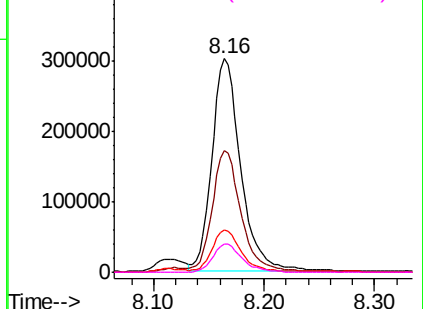
#48
2-Hexanone
Concen: 109.122 ug/L
RT: 8.16 min Scan# 2200
Delta R.T. 0.00 min
Lab File: VV015131.D
Acq: 25 Mar 2020 06:11

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 542236
Ion Ratio Lower Upper
43 100
58 57.3 45.0 67.6
57 20.0 14.6 22.0
100 13.7 10.6 16.0

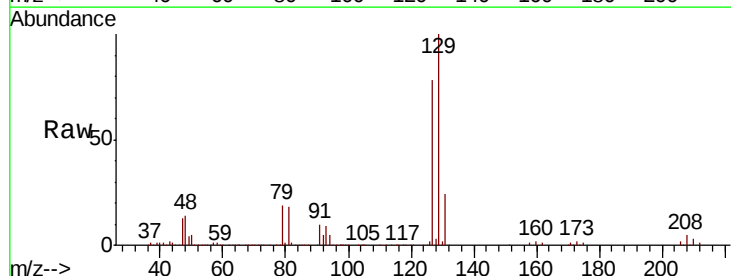


Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 58.00 (57.70 to 58.70): VV0
Ion 57.00 (56.70 to 57.70): VV0
Ion 100.00 (99.70 to 100.70): VV0

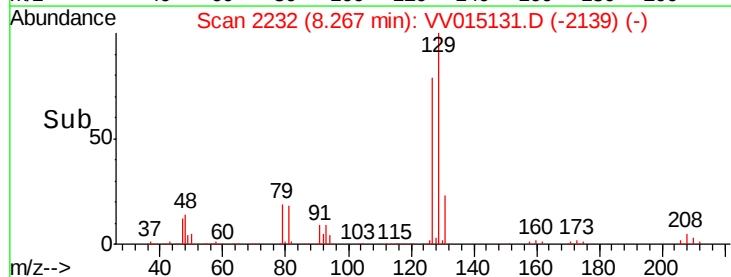
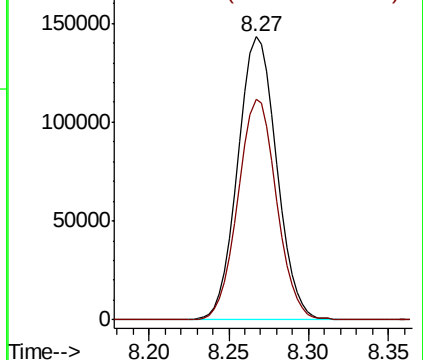


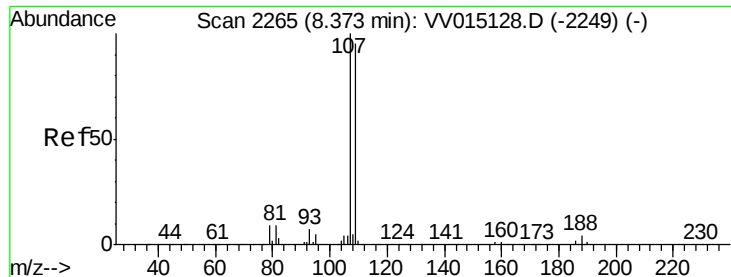
#49
Dibromochloromethane
Concen: 51.472 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. -0.00 min
Lab File: VV015131.D
Acq: 25 Mar 2020 06:11

Tgt Ion: 129 Resp: 237208
Ion Ratio Lower Upper
129 100
127 78.1 55.4 102.8



Abundance Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V

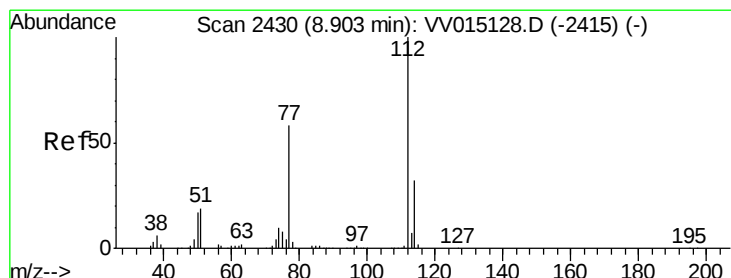
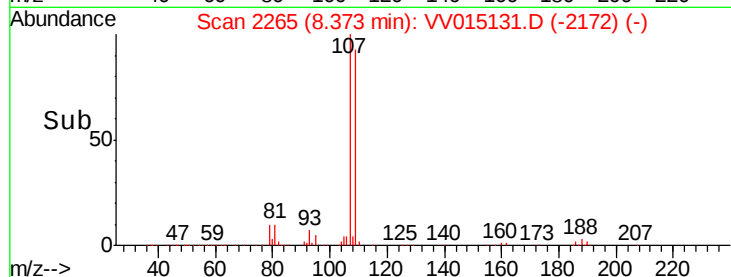
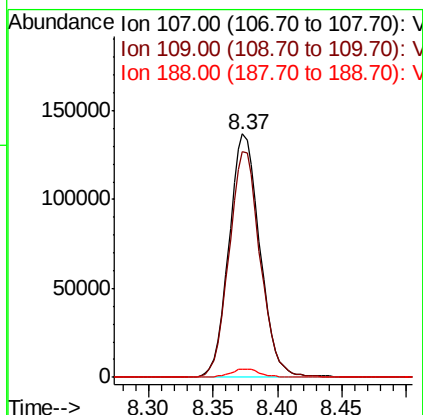
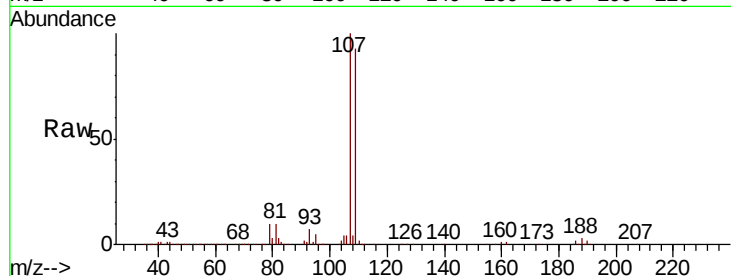




#50
1,2-Dibromoethane
Concen: 51.383 ug/L
RT: 8.37 min Scan# 2265
Delta R.T. 0.00 min
Lab File: VV015131.D
Acq: 25 Mar 2020 06:11

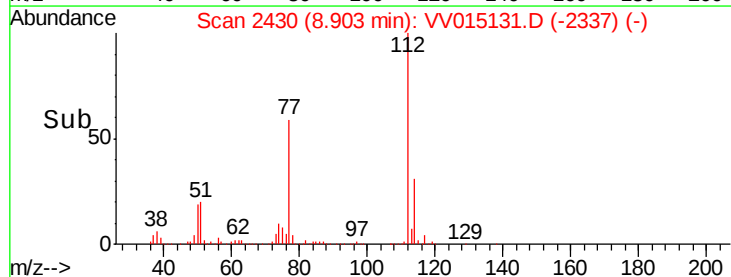
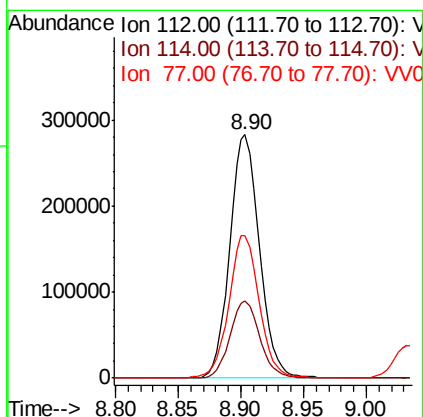
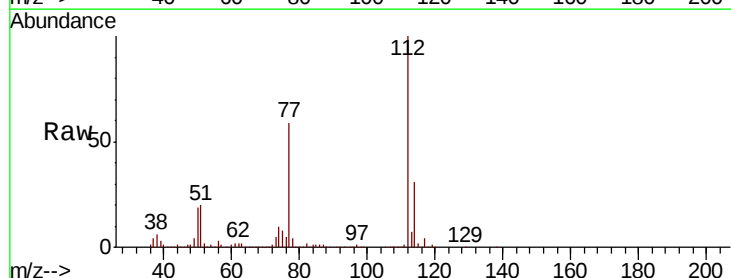
Instrument :
MSVOA_V
ClientSampleId :

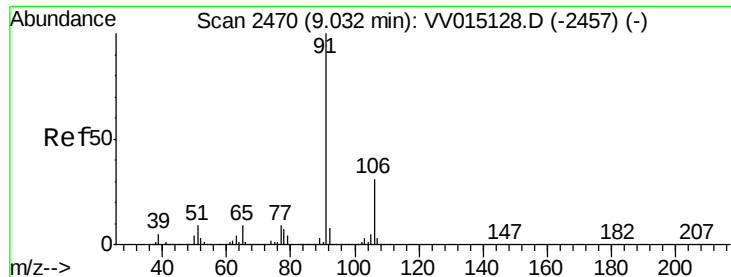
Tot Ion	Ratio	Lower	Upper
107	100		
109	92.7	66.1	122.8
188	3.3	2.8	4.2



#51
Chlorobenzene
Concen: 49.694 ug/L
RT: 8.90 min Scan# 2430
Delta R.T. 0.00 min
Lab File: VV015131.D
Acq: 25 Mar 2020 06:11

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.5	22.3	41.3
77	58.7	47.0	70.4

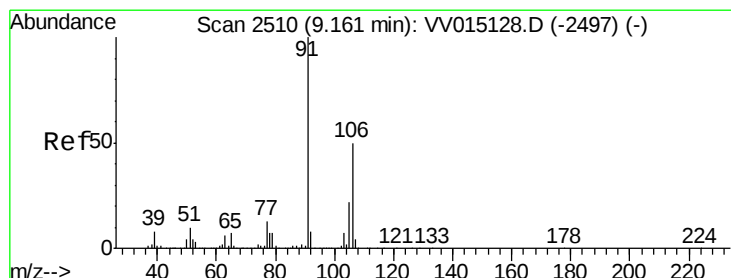
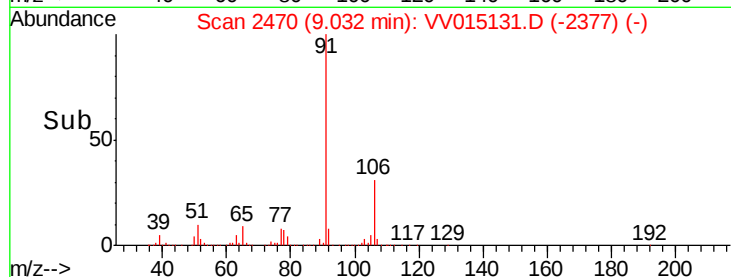
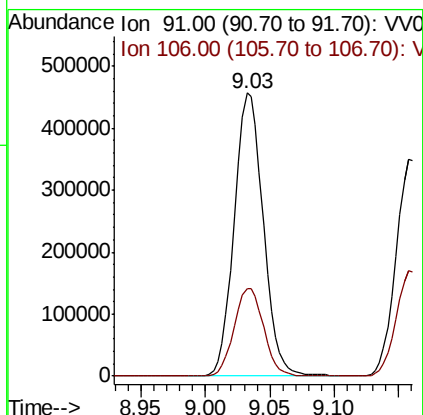
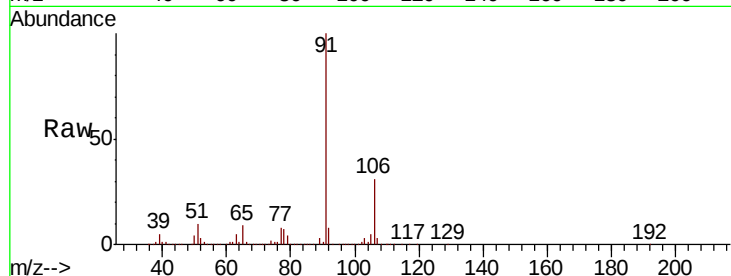




#52
Ethylbenzene
Concen: 50.116 ug/L
RT: 9.03 min Scan# 2470
Delta R.T. 0.00 min
Lab File: VV015131.D
Acq: 25 Mar 2020 06:11

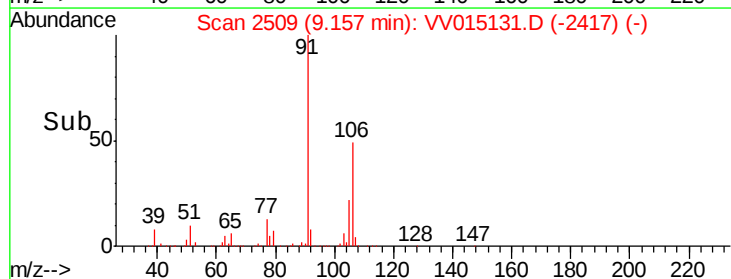
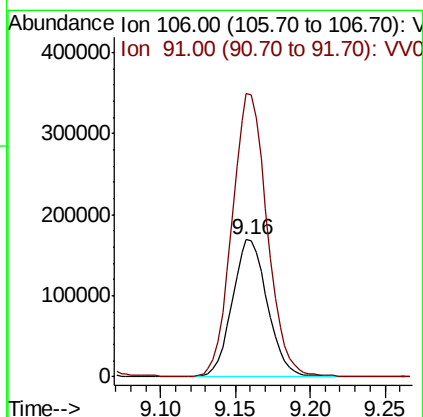
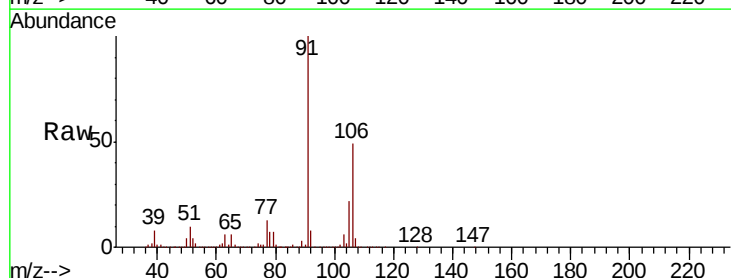
Instrument :
MSVOA_V
ClientSampled :

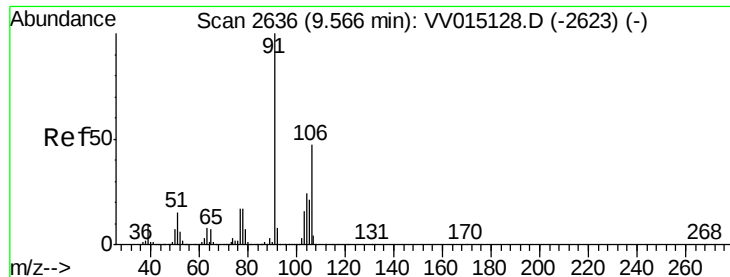
Tot Ion: 91 Resp: 714539
Ion Ratio Lower Upper
91 100
106 31.1 22.0 40.8



#53
m,p-Xylene
Concen: 49.676 ug/L
RT: 9.16 min Scan# 2509
Delta R.T. -0.00 min
Lab File: VV015131.D
Acq: 25 Mar 2020 06:11

Tgt Ion: 106 Resp: 274231
Ion Ratio Lower Upper
106 100
91 206.1 141.3 262.5





#54

o-xylene

Concen: 50.657 ug/L

RT: 9.56 min Scan# 2635

Delta R.T. -0.00 min

Lab File: VV015131.D

Acq: 25 Mar 2020 06:11

Instrument :

MSVOA_V

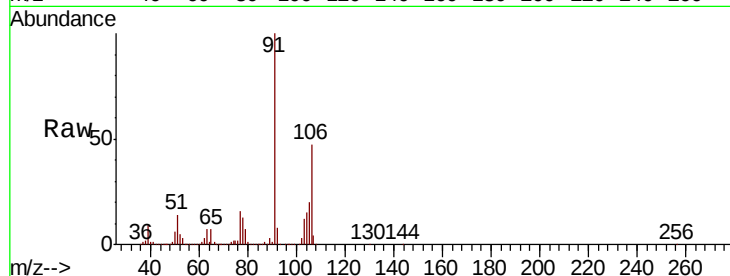
ClientSampled :

Tot Ion:106 Resp: 297193

Ion Ratio Lower Upper

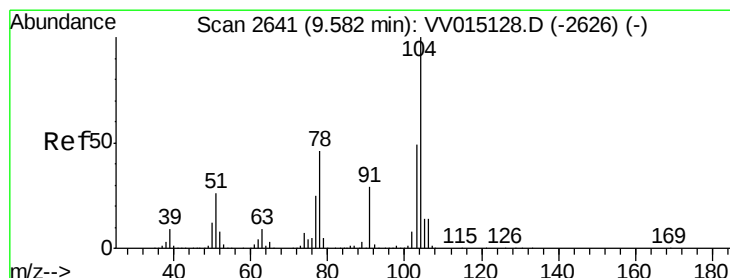
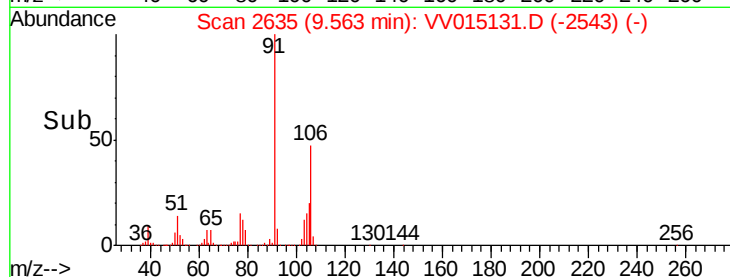
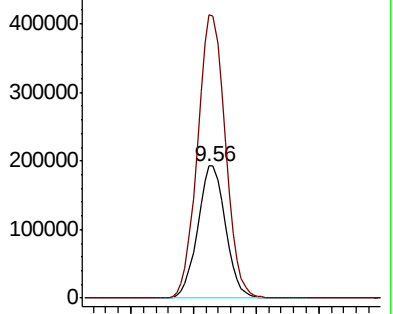
106 100

91 214.1 149.0 276.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 51.058 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. 0.00 min

Lab File: VV015131.D

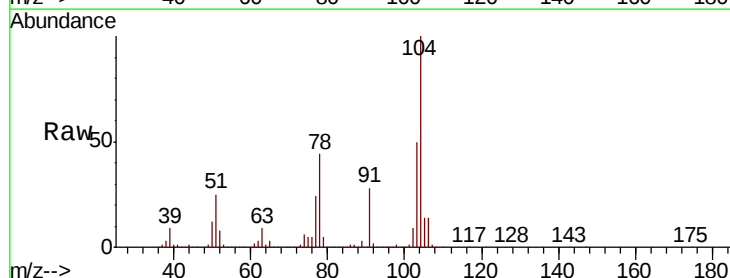
Acq: 25 Mar 2020 06:11

Tgt Ion:104 Resp: 529806

Ion Ratio Lower Upper

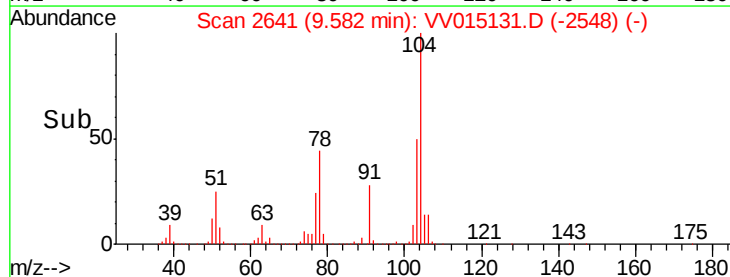
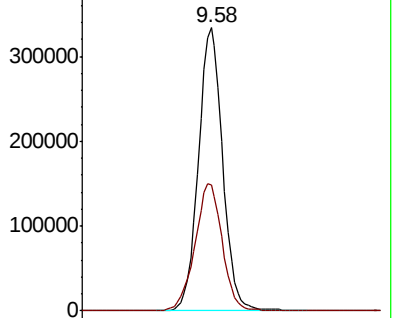
104 100

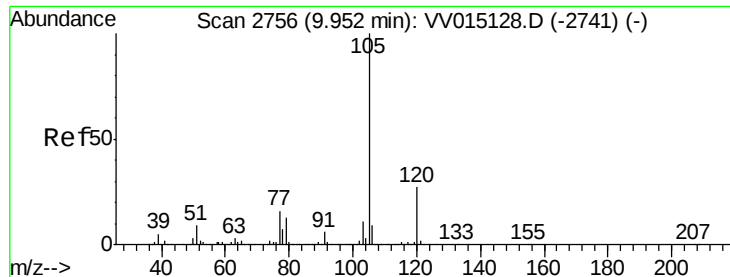
78 44.3 32.1 59.5



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 50.195 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV015131.D

Acq: 25 Mar 2020 06:11

Instrument :

MSVOA_V

ClientSampled :

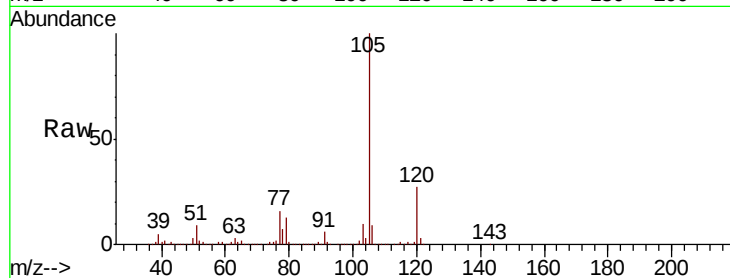
Tot Ion:105 Resp: 665307

Ion Ratio Lower Upper

105 100

120 26.5 21.4 32.0

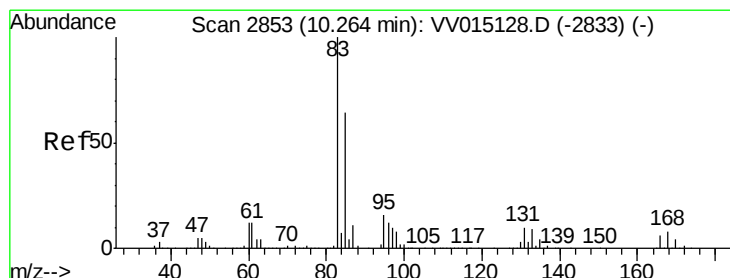
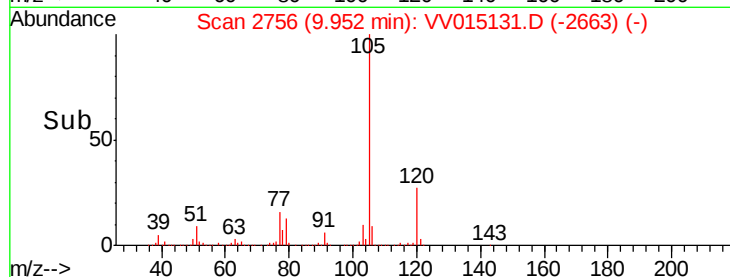
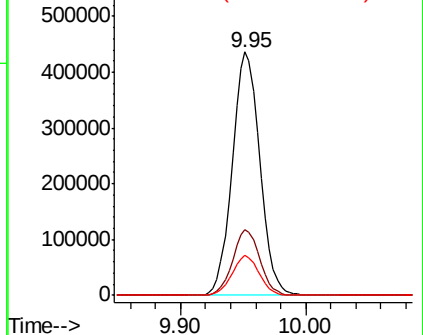
77 15.9 12.8 19.2



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: 51.297 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. 0.00 min

Lab File: VV015131.D

Acq: 25 Mar 2020 06:11

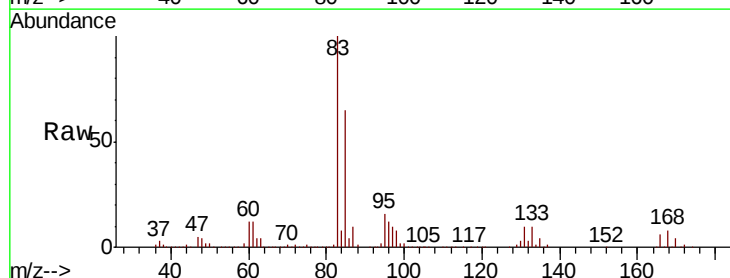
Tgt Ion: 83 Resp: 352280

Ion Ratio Lower Upper

83 100

85 64.7 44.6 82.8

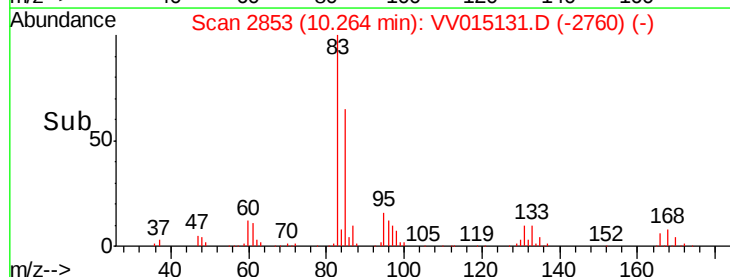
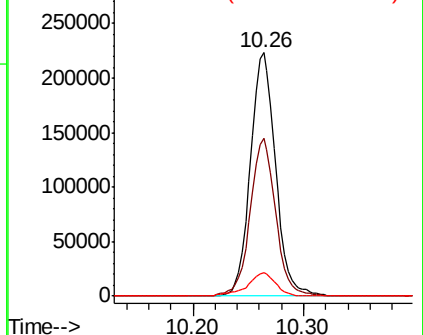
131 9.6 7.8 11.8

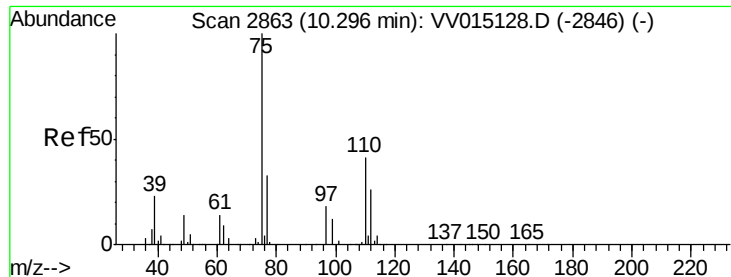


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 50.974 ug/L

RT: 10.30 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VV015131.D

Acq: 25 Mar 2020 06:11

Instrument :

MSVOA_V

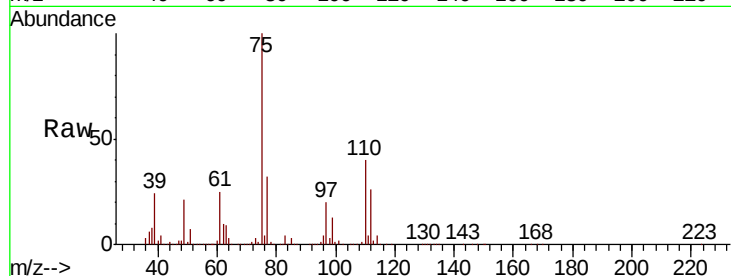
ClientSampleId :

Tot Ion: 75 Resp: 283514

Ion Ratio Lower Upper

75 100

77 31.6 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

200000

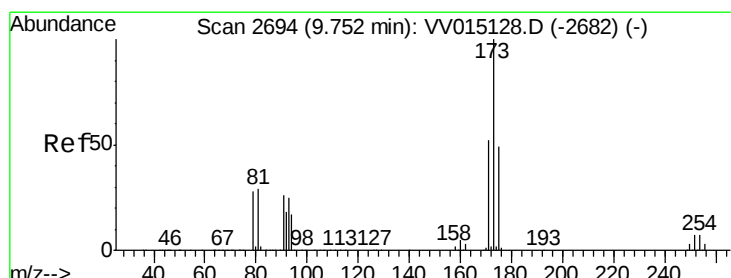
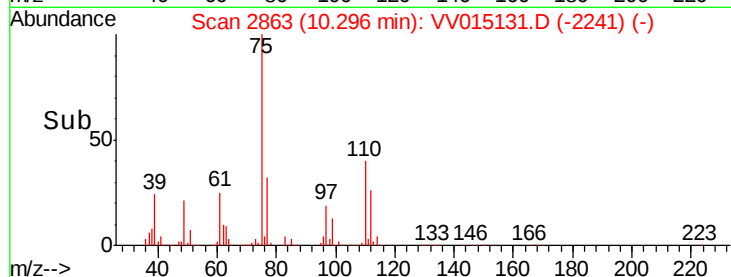
150000

100000

50000

0

Time--> 10.20 10.25 10.30 10.35



#61

Bromoform

Concen: 53.084 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VV015131.D

Acq: 25 Mar 2020 06:11

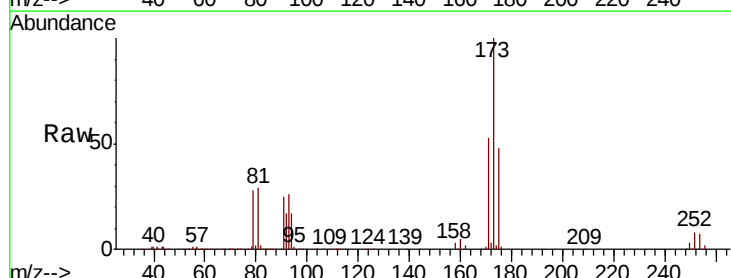
Tgt Ion: 173 Resp: 166347

Ion Ratio Lower Upper

173 100

175 47.4 38.5 57.7

254 7.3 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) (-)

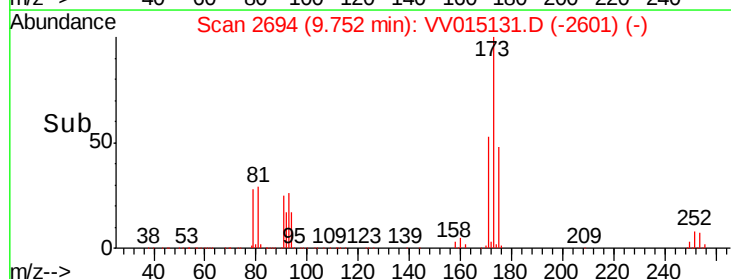
9.75

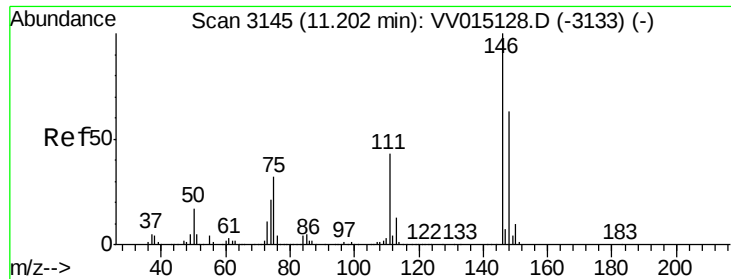
100000

50000

0

Time--> 9.70 9.75 9.80 9.85





#62

1,3-Dichlorobenzene

Concen: 51.402 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. 0.00 min

Lab File: VV015131.D

Acq: 25 Mar 2020 06:11

Instrument :

MSVOA_V

ClientSampled :

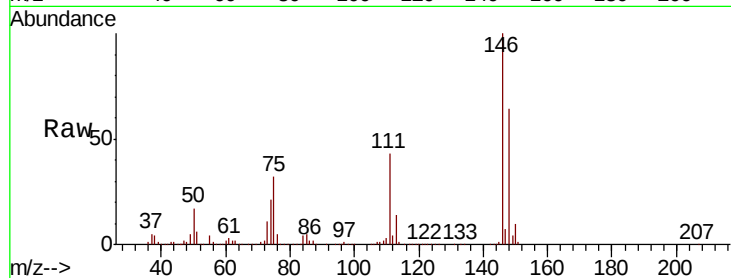
Tot Ion:146 Resp: 317476

Ion Ratio Lower Upper

146 100

111 43.1 29.8 55.3

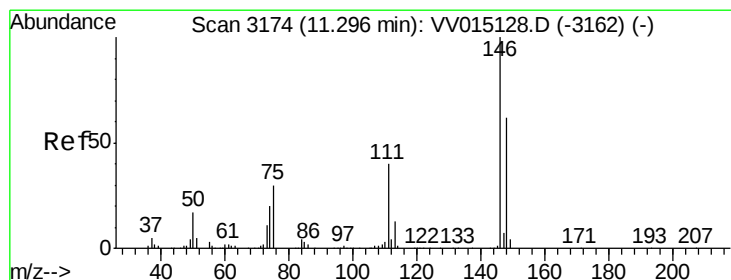
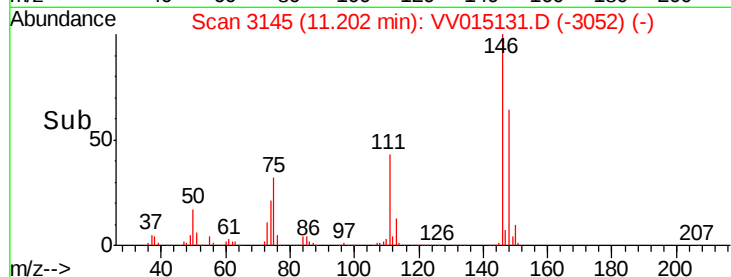
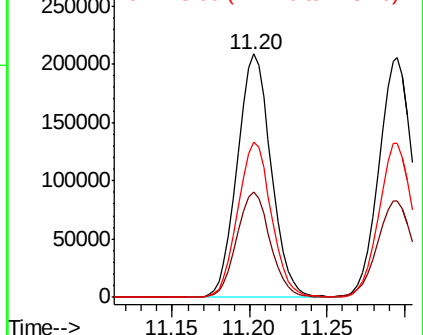
148 63.9 44.2 82.2



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: 50.682 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. -0.00 min

Lab File: VV015131.D

Acq: 25 Mar 2020 06:11

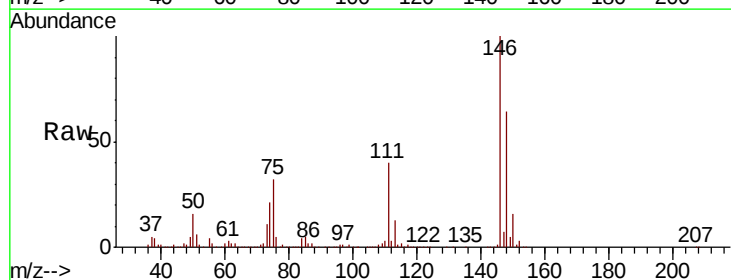
Tgt Ion:146 Resp: 316996

Ion Ratio Lower Upper

146 100

111 40.2 28.6 53.0

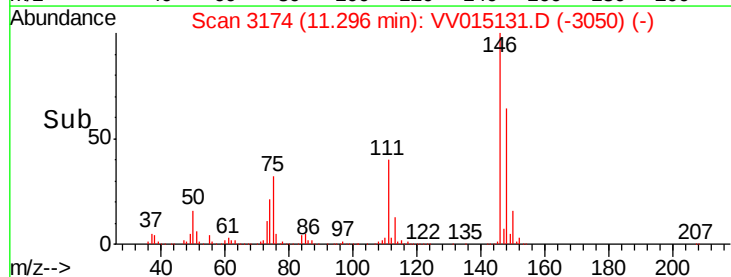
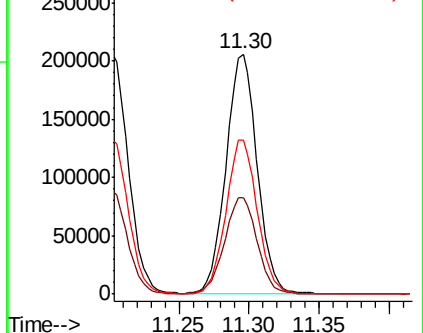
148 64.0 43.8 81.3

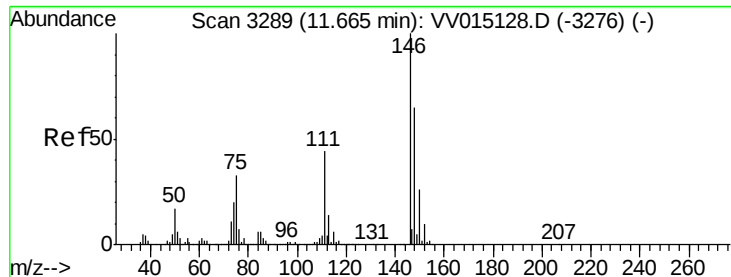


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 50.437 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. 0.00 min

Lab File: VV015131.D

Acq: 25 Mar 2020 06:11

Instrument :

MSVOA_V

ClientSampled :

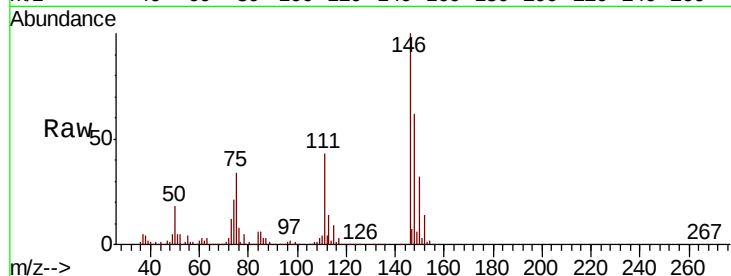
Tot Ion:146 Resp: 341851

Ion Ratio Lower Upper

146 100

111 43.1 35.4 53.0

148 62.2 52.2 78.4

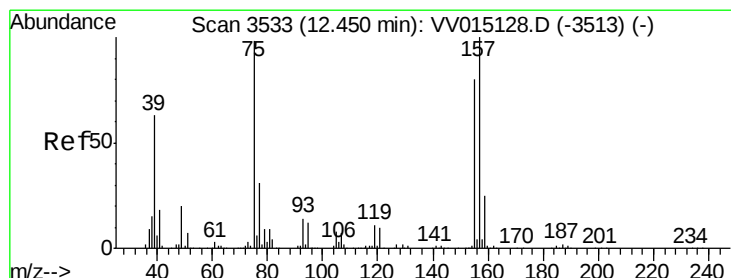
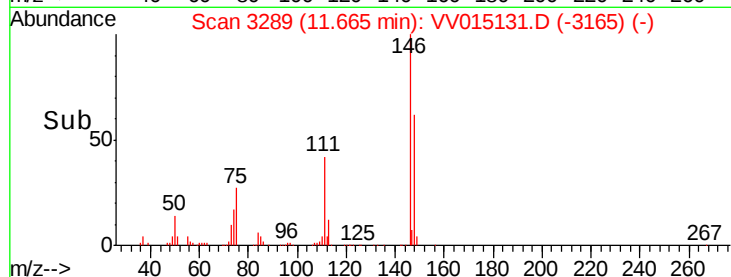
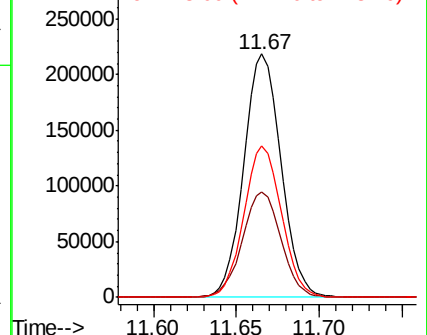


Abundance

Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 53.974 ug/L

RT: 12.45 min Scan# 3533

Delta R.T. 0.00 min

Lab File: VV015131.D

Acq: 25 Mar 2020 06:11

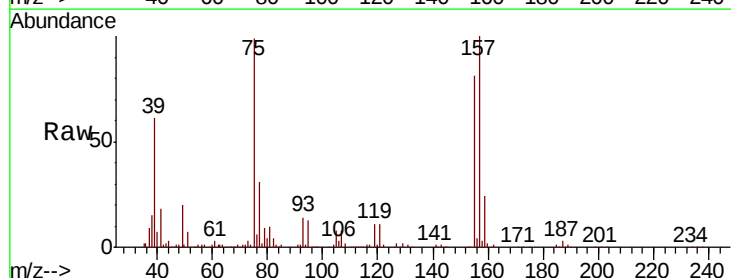
Tgt Ion: 75 Resp: 98784

Ion Ratio Lower Upper

75 100

155 81.3 64.9 97.3

157 100.8 81.6 122.4

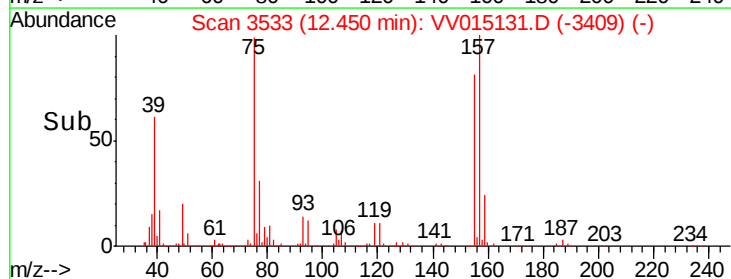
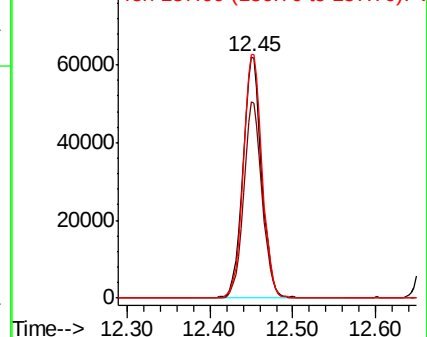


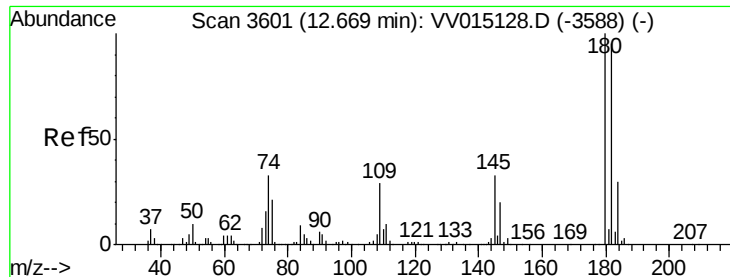
Abundance

Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

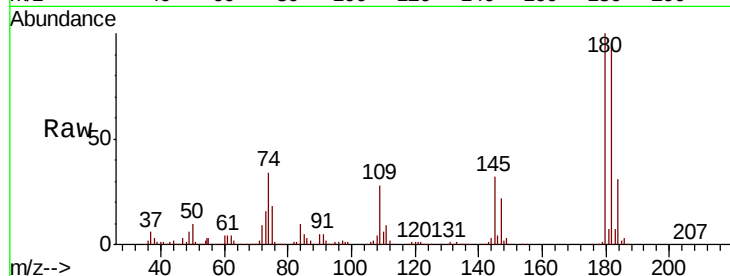




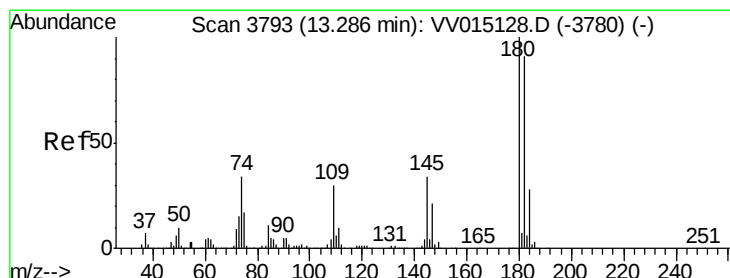
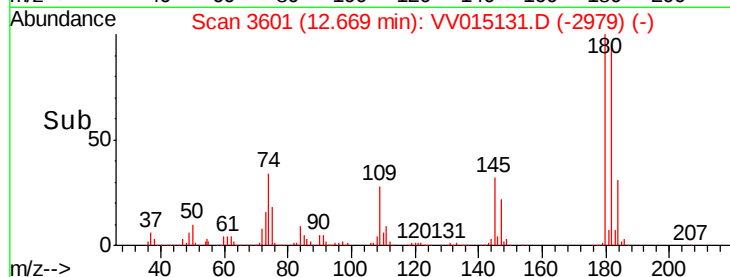
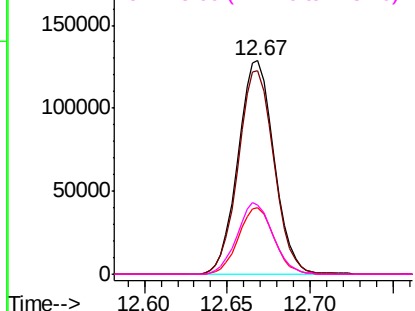
#67
 1,3,5-Trichlorobenzene
 Concen: 50.488 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. 0.00 min
 Lab File: VV015131.D
 Acq: 25 Mar 2020 06:11

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.0	75.8	113.6
184	30.8	24.0	36.0
145	33.3	26.5	39.7

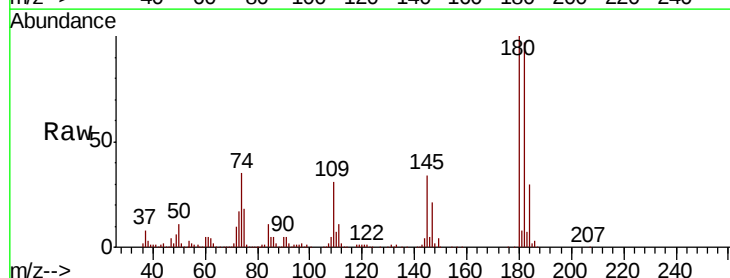


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

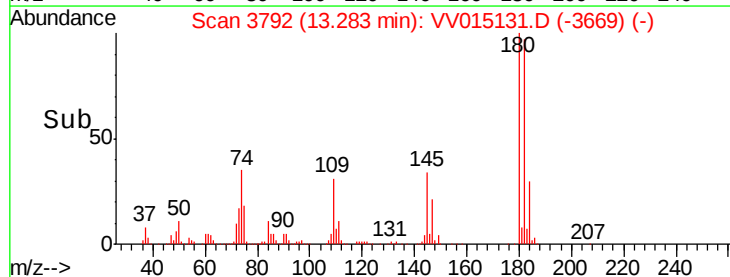
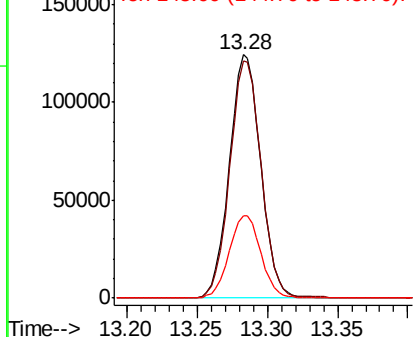


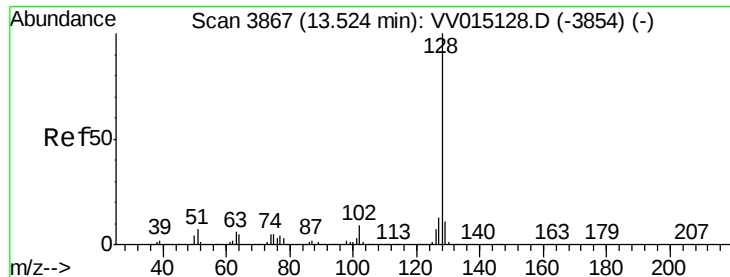
#68
 1,2,4-trichlorobenzene
 Concen: 48.790 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. -0.00 min
 Lab File: VV015131.D
 Acq: 25 Mar 2020 06:11

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.8	75.0	112.4
145	34.7	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: 54.460 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. 0.00 min

Lab File: VV015131.D

Acq: 25 Mar 2020 06:11

Instrument :

MSVOA_V

ClientSampleId :

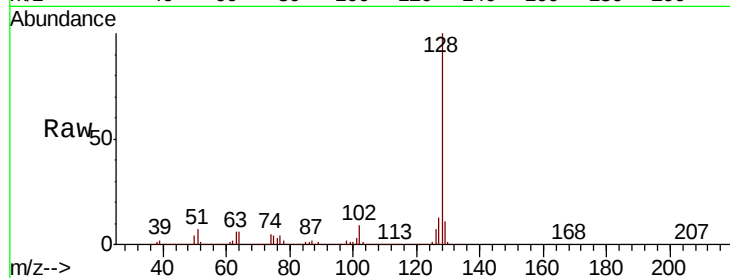
Tot Ion:128 Resp: 991240

Ion Ratio Lower Upper

128 100

127 13.1 10.4 15.6

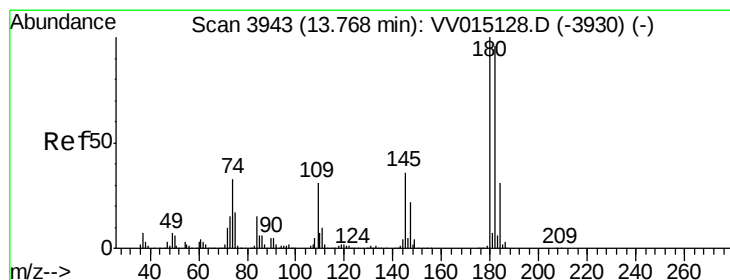
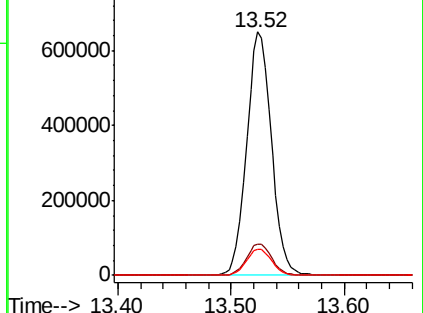
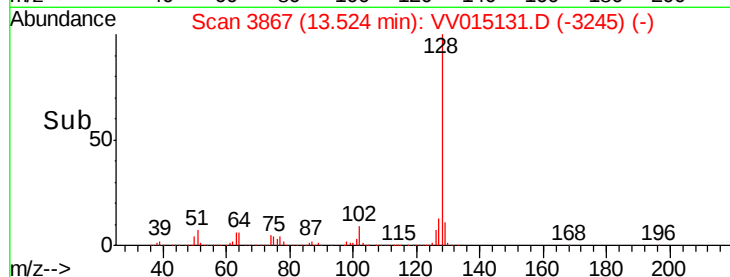
129 11.0 9.0 13.4



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: 51.328 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. 0.00 min

Lab File: VV015131.D

Acq: 25 Mar 2020 06:11

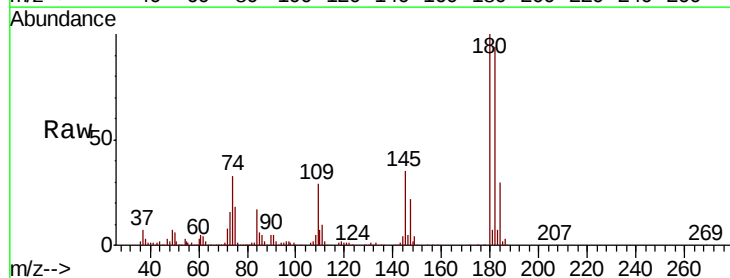
Tgt Ion:180 Resp: 213762

Ion Ratio Lower Upper

180 100

182 94.2 77.4 116.2

145 36.0 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

