

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV100518\
 Data File : VV008142.D
 Acq On : 06 Oct 2018 11:27
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0 mL/MSVOA V/WATER
 ALS Vial : 56 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Oct 08 05:28:52 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR100518WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Oct 08 05:22:34 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	76522	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	73519	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	38025	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	22381	4.77	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	95.40%
7) Chloroethane-d5	1.59	69	19341	4.88	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	97.60%
11) 1,1-Dichloroethene-d2	2.14	63	44210	4.81	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	96.20%
20) 2-Butanone-d5	3.96	46	60136	53.22	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	106.44%
24) Chloroform-d	4.41	84	49607	5.11	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.20%
26) 1,2-Dichloroethane-d4	5.09	65	24351	5.03	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.60%
32) Benzene-d6	5.10	84	93344	4.97	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.40%
36) 1,2-Dichloropropane-d6	6.12	67	28636	4.81	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.20%
41) Toluene-d8	7.36	98	91700	5.02	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.40%
43) trans-1,3-Dichloropropene-	7.67	79	9012	4.34	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	86.80%
46) 2-Hexanone-d5	8.14	63	41404	50.08	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	100.16%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	21724	5.20	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	104.00%
64) 1,2-Dichlorobenzene-d4	11.68	152	34364	4.76	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.20%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	26968	5.198	ug/L 98
3) Chloromethane	1.25	50	23669	5.413	ug/L 97
5) Vinyl chloride	1.33	62	25741	5.287	ug/L 100
6) Bromomethane	1.54	94	13688	5.935	ug/L 99
8) Chloroethane	1.60	64	15824	4.864	ug/L 97
9) Trichlorofluoromethane	1.78	101	43749	5.246	ug/L 97
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	25115	5.064	ug/L 98
12) 1,1-Dichloroethene	2.15	96	21883	5.279	ug/L 86
13) Acetone	2.21	43	39050	51.001	ug/L 98
14) Carbon disulfide	2.32	76	51039	4.838	ug/L 99
15) Methyl Acetate	2.47	43	9986	5.494	ug/L 97
16) Methylene chloride	2.54	84	24092	4.790	ug/L 97
17) Methyl tert-butyl Ether	2.81	73	55167	5.309	ug/L 97
18) trans-1,2-Dichloroethene	2.79	96	23423	5.177	ug/L 98
19) 1,1-Dichloroethane	3.23	63	45933	5.331	ug/L 97
21) 2-Butanone	4.05	43	65458	52.995	ug/L 99
22) cis-1,2-Dichloroethene	3.97	96	27079	5.306	ug/L 100

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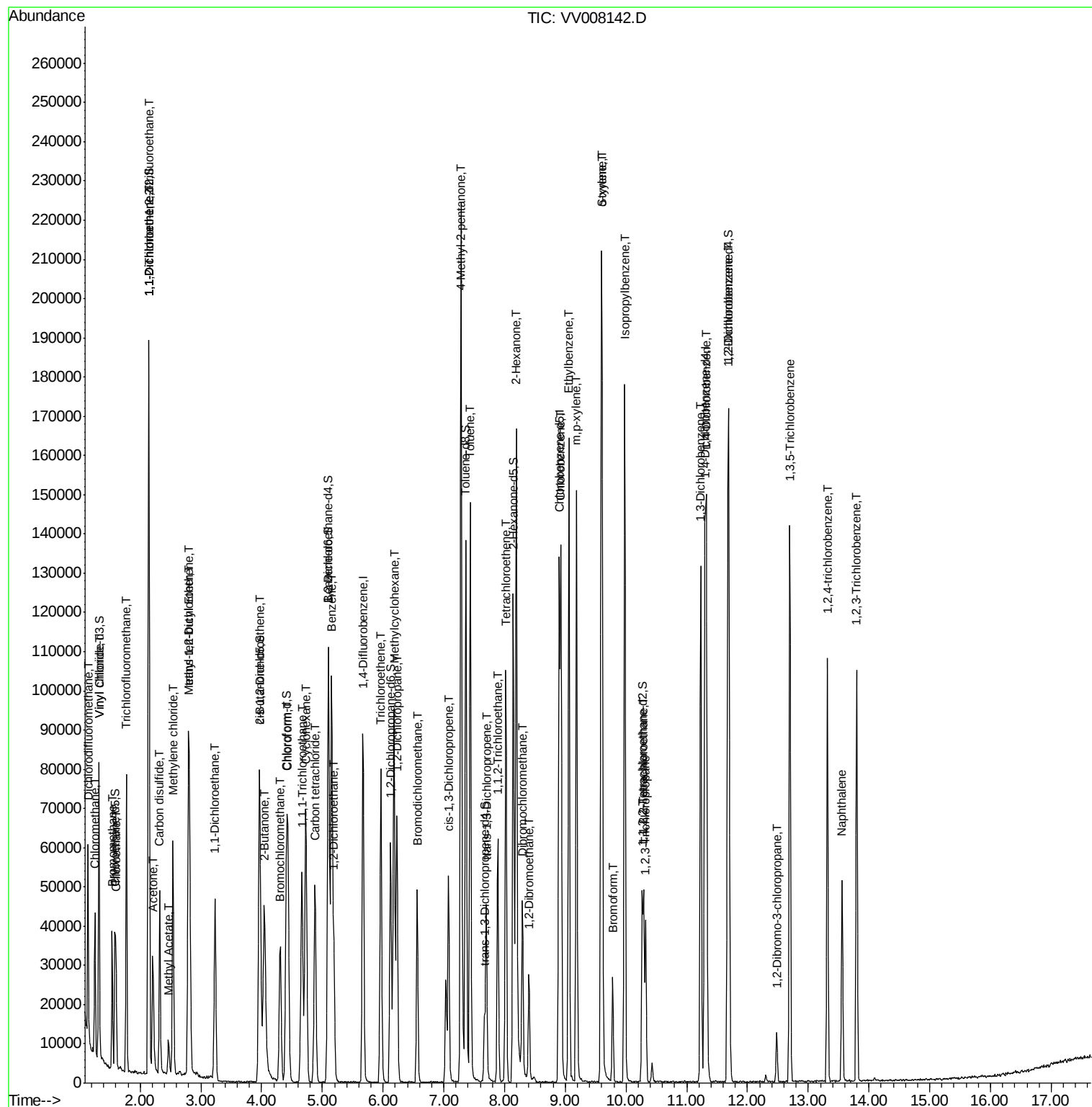
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.31	128	12255	5.289	ug/L	94
25) Chloroform	4.43	83	49433	5.332	ug/L	99
27) 1,2-Dichloroethane	5.19	62	28603	5.252	ug/L	97
29) 1,1,1-Trichloroethane	4.66	97	42584	5.215	ug/L	100
30) Cyclohexane	4.73	56	33388	4.924	ug/L	98
31) Carbon tetrachloride	4.88	117	37660	5.134	ug/L	99
33) Benzene	5.15	78	100448	5.415	ug/L	100
34) Trichloroethene	5.96	95	26966	4.981	ug/L	99
35) Methylcyclohexane	6.18	83	36177	4.784	ug/L	98
37) 1,2-Dichloropropane	6.23	63	26621	5.318	ug/L	99
38) Bromodichloromethane	6.56	83	31538	5.150	ug/L	96
39) cis-1,3-Dichloropropene	7.08	75	29743	4.634	ug/L	99
40) 4-Methyl-2-pentanone	7.28	43	156125	55.037	ug/L	99
42) Toluene	7.43	91	108228	5.492	ug/L	100
44) trans-1,3-Dichloropropene	7.70	75	24503	4.694	ug/L	96
45) 1,1,2-Trichloroethane	7.89	97	19459	5.542	ug/L	97
47) Tetrachloroethene	8.02	164	24911	5.152	ug/L	96
48) 2-Hexanone	8.19	43	111916	58.113	ug/L	98
49) Dibromochloromethane	8.30	129	21677	4.949	ug/L	99
50) 1,2-Dibromoethane	8.40	107	17289	5.424	ug/L	98
51) Chlorobenzene	8.93	112	71662	5.199	ug/L	99
52) Ethylbenzene	9.06	91	110040	5.116	ug/L	99
53) m,p-xylene	9.19	106	43049	5.279	ug/L	98
54) o-xylene	9.59	106	40922	5.257	ug/L	99
55) Styrene	9.61	104	71715	5.409	ug/L	99
56) Isopropylbenzene	9.98	105	111782	5.220	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.29	83	21573	5.300	ug/L	97
59) 1,2,3-Trichloropropane	10.32	75	15850	5.423	ug/L	98
61) Bromoform	9.78	173	12293	5.250	ug/L	100
62) 1,3-Dichlorobenzene	11.23	146	56863	5.023	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	57890	5.016	ug/L	98
65) 1,2-Dichlorobenzene	11.69	146	56638	5.178	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.48	75	2992	5.238	ug/L	94
67) 1,3,5-Trichlorobenzene	12.70	180	47531	4.927	ug/L	100
68) 1,2,4-trichlorobenzene	13.31	180	35085	4.875	ug/L	98
69) Naphthalene	13.56	128	43088	4.690	ug/L	99
70) 1,2,3-Trichlorobenzene	13.80	180	34316	5.014	ug/L	99

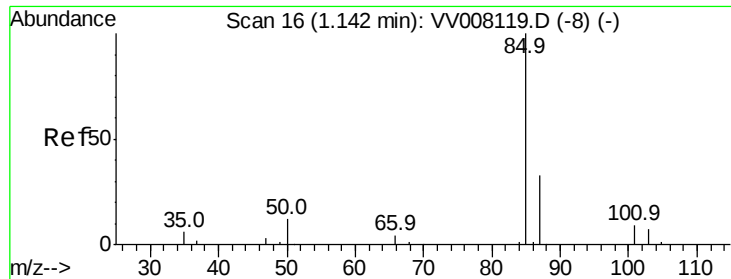
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 5.198 ug/L

RT: 1.14 min Scan# 16

Delta R.T. -0.00 min

Lab File: VV008142.D

Acq: 06 Oct 2018 11:27

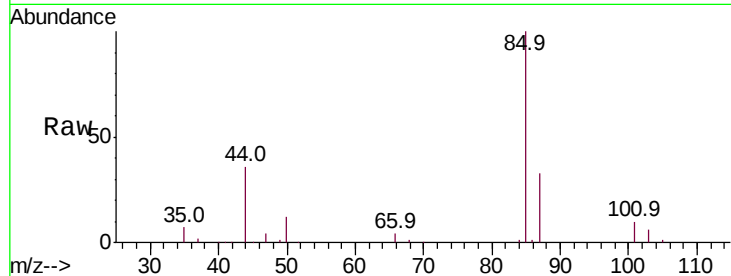
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 85 Resp: 26968

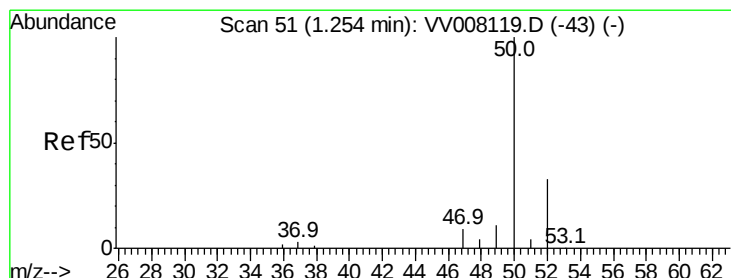
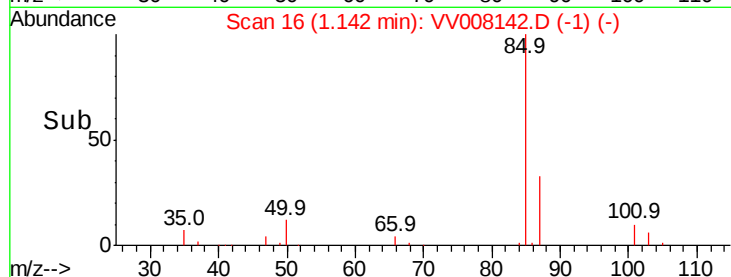
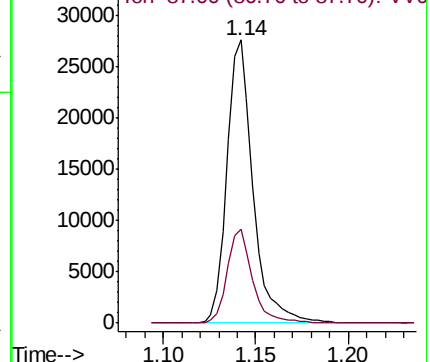
Ion Ratio Lower Upper

85 100

87 32.2 24.6 37.0



Abundance Ion 85.00 (84.70 to 85.70): VV0
Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 5.413 ug/L

RT: 1.25 min Scan# 51

Delta R.T. -0.00 min

Lab File: VV008142.D

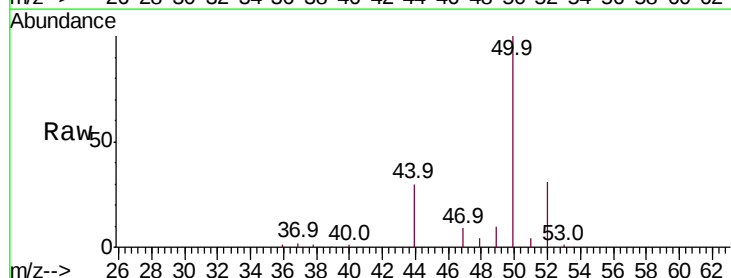
Acq: 06 Oct 2018 11:27

Tgt Ion: 50 Resp: 23669

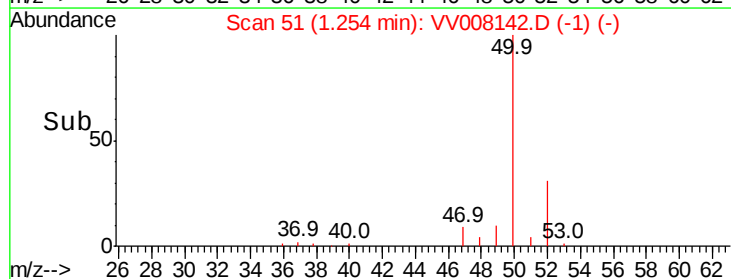
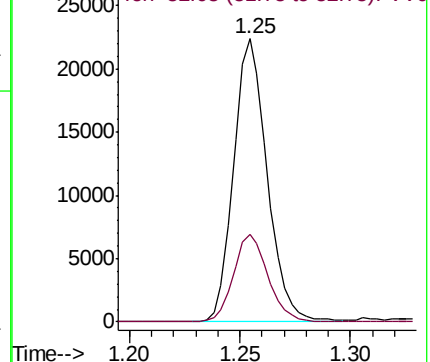
Ion Ratio Lower Upper

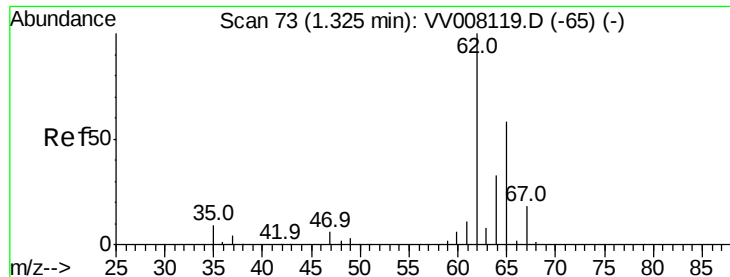
50 100

52 31.1 22.9 42.5



Abundance Ion 50.05 (49.75 to 50.75): VV0
Ion 52.05 (51.75 to 52.75): VV0





#5

Vinyl chloride

Concen: 5.287 ug/L

RT: 1.33 min Scan# 73

Delta R.T. -0.00 min

Lab File: VV008142.D

Acq: 06 Oct 2018 11:27

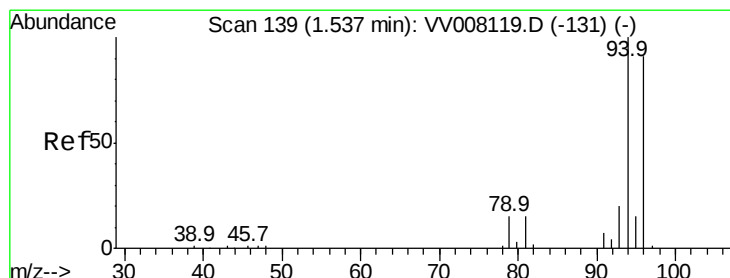
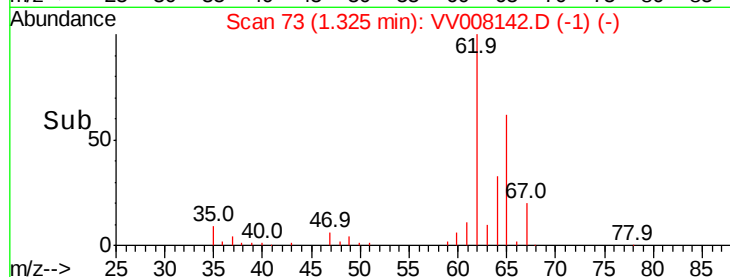
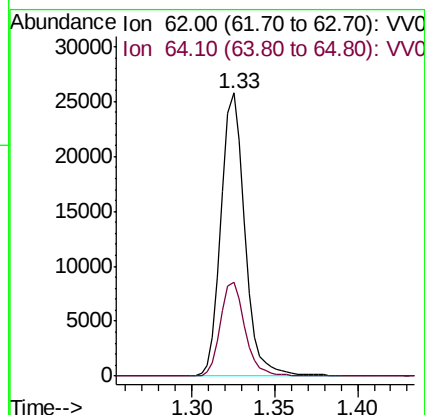
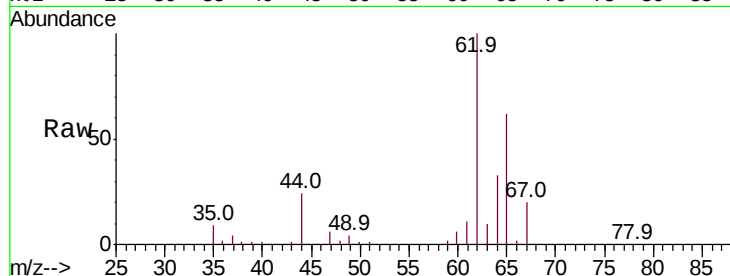
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 62 Resp: 25741

Ion Ratio Lower Upper

62 100

64 33.3 23.4 43.4



#6

Bromomethane

Concen: 5.935 ug/L

RT: 1.54 min Scan# 140

Delta R.T. 0.00 min

Lab File: VV008142.D

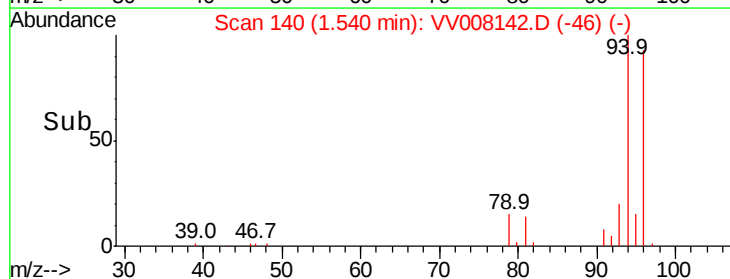
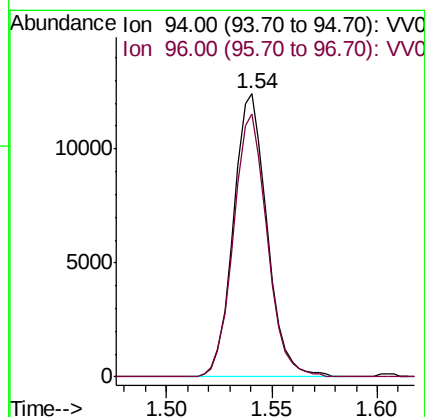
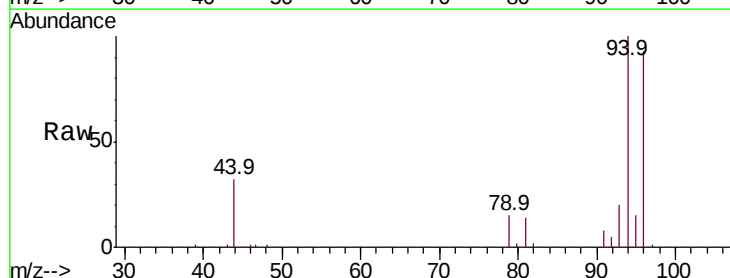
Acq: 06 Oct 2018 11:27

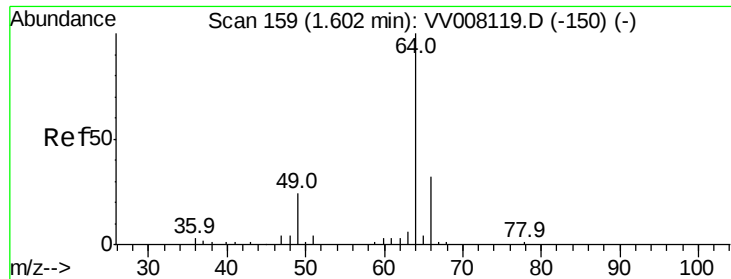
Tgt Ion: 94 Resp: 13688

Ion Ratio Lower Upper

94 100

96 92.7 64.4 119.6





#8

Chloroethane

Concen: 4.864 ug/L

RT: 1.60 min Scan# 159

Delta R.T. -0.00 min

Lab File: VV008142.D

Acq: 06 Oct 2018 11:27

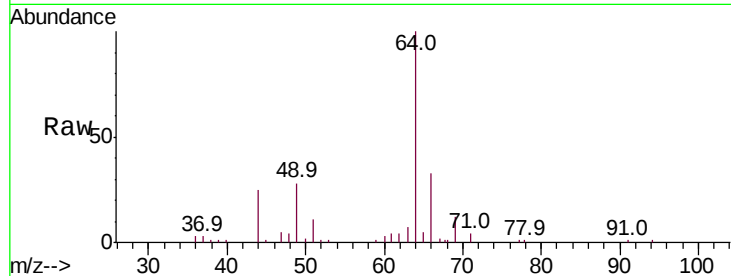
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 64 Resp: 15824

Ion Ratio Lower Upper

64 100

66 32.7 24.1 44.8



Abundance Ion 64.10 (63.80 to 64.80): VV008119.D (-150) (-)

Ion 66.05 (65.75 to 66.75): VV008119.D (-150) (-)

1.60

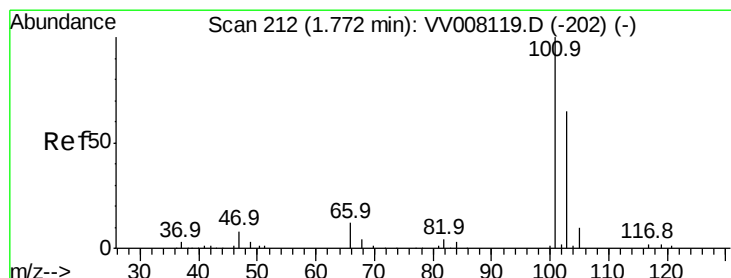
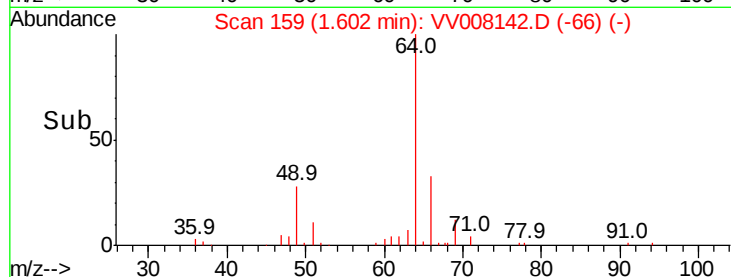
15000

10000

5000

0

Time-->



#9

Trichlorofluoromethane

Concen: 5.246 ug/L

RT: 1.78 min Scan# 213

Delta R.T. 0.00 min

Lab File: VV008142.D

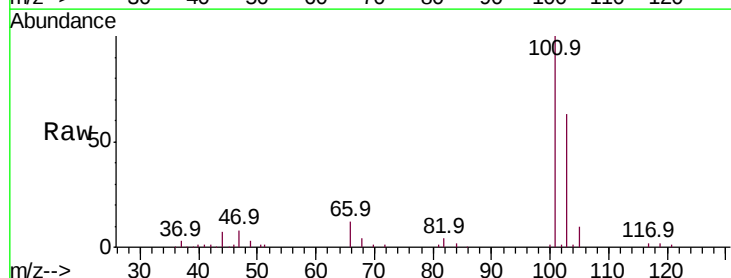
Acq: 06 Oct 2018 11:27

Tgt Ion:101 Resp: 43749

Ion Ratio Lower Upper

101 100

103 63.9 53.1 79.7



Abundance Ion 101.00 (100.70 to 101.70): VV008119.D (-202) (-)

Ion 103.00 (102.70 to 103.70): VV008119.D (-202) (-)

1.78

40000

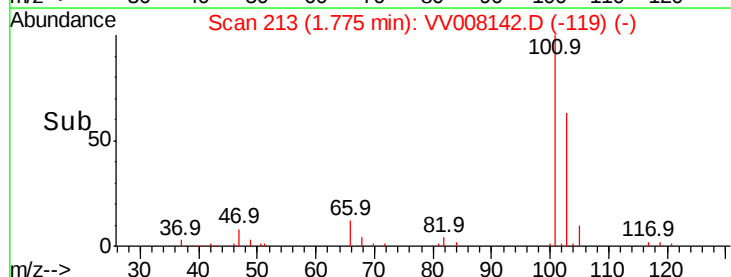
30000

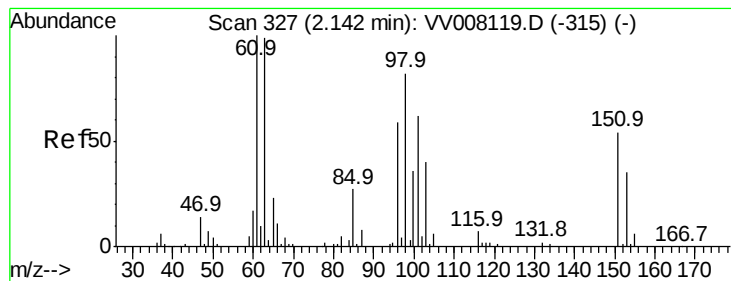
20000

10000

0

Time-->





#10

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

Concen: 5.064 ug/L

RT: 2.14 min Scan# 328

Delta R.T. 0.00 min

Lab File: VV008142.D

Acq: 06 Oct 2018 11:27

Instrument :

MSVOA_V

ClientSampleId :

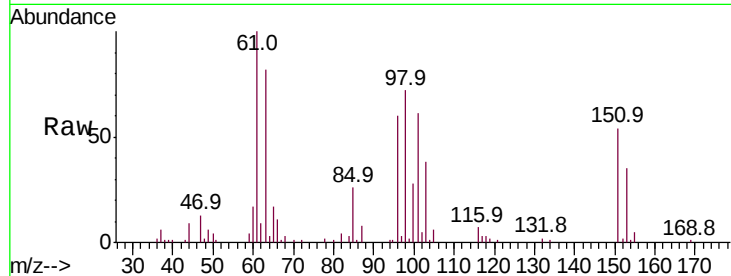
Tot Ion:101 Resp: 25115

Ion Ratio Lower Upper

101 100

85 42.4 35.4 53.0

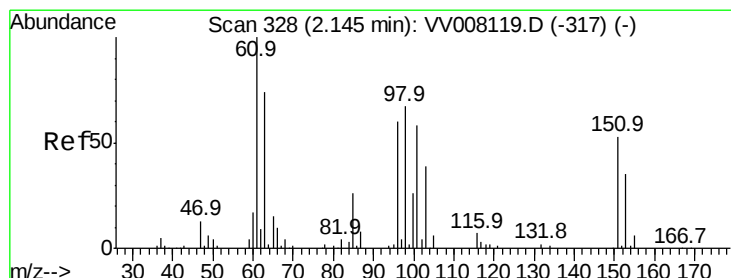
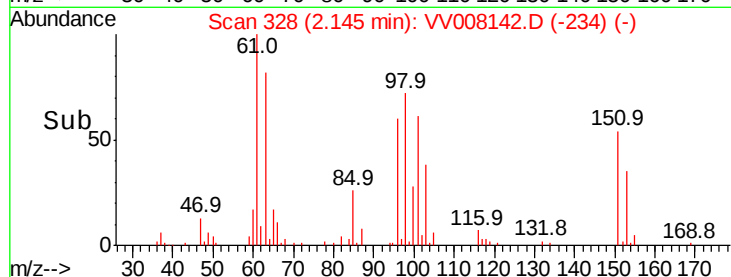
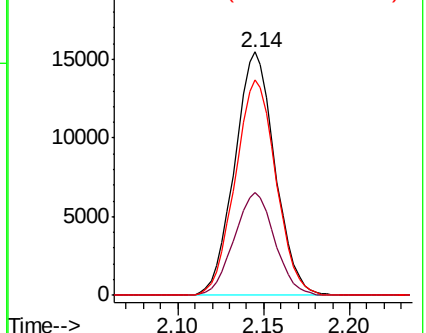
151 89.2 70.7 106.1



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: 5.279 ug/L

RT: 2.15 min Scan# 329

Delta R.T. 0.00 min

Lab File: VV008142.D

Acq: 06 Oct 2018 11:27

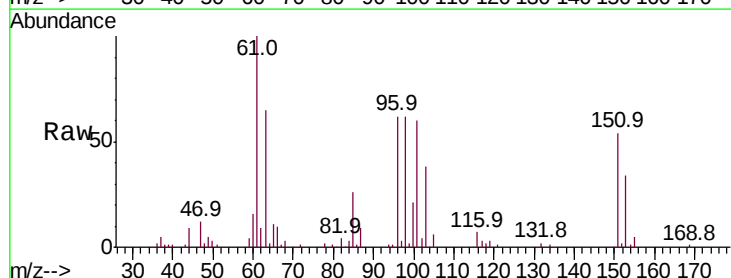
Tgt Ion: 96 Resp: 21883

Ion Ratio Lower Upper

96 100

61 161.0 114.7 213.1

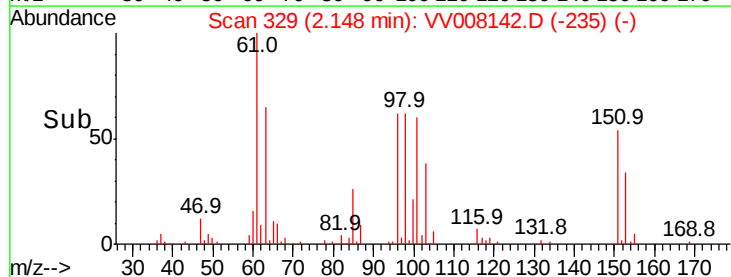
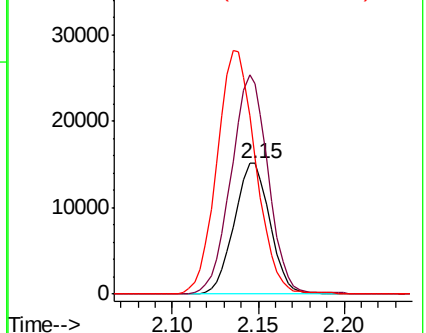
63 104.5 96.9 179.9

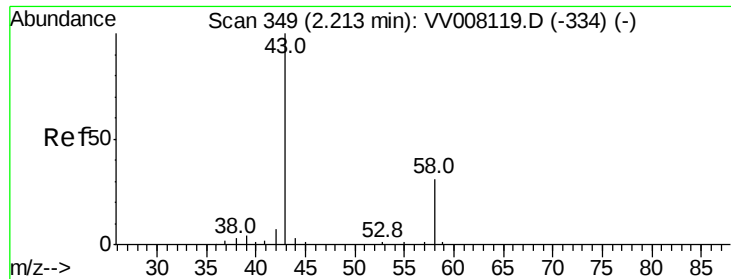


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 51.001 ug/L

RT: 2.21 min Scan# 348

Delta R.T. -0.00 min

Lab File: VV008142.D

Acq: 06 Oct 2018 11:27

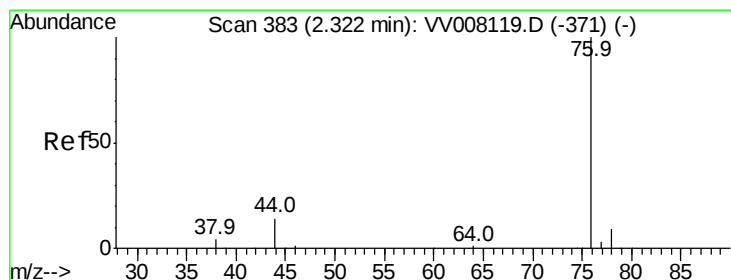
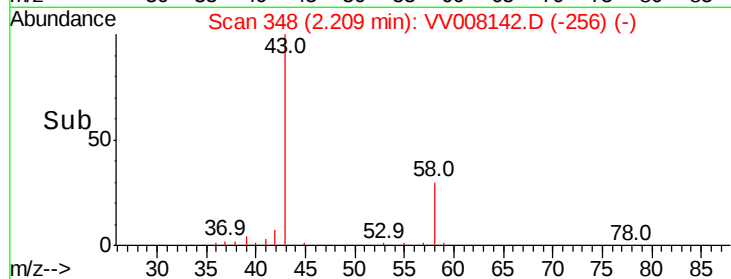
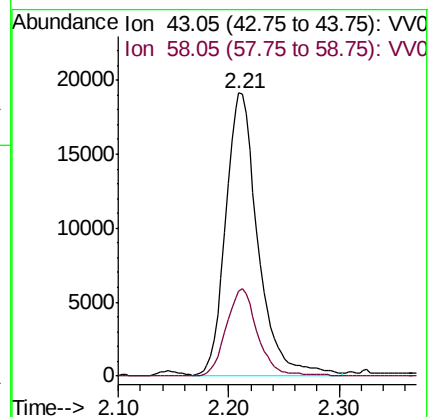
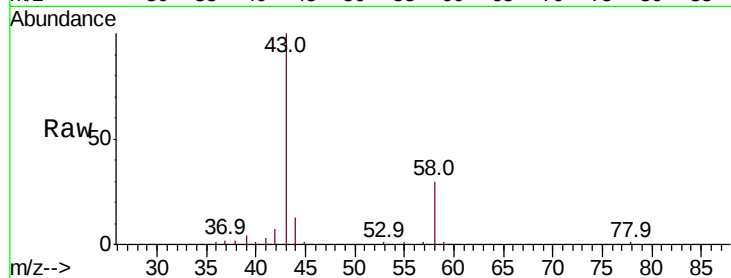
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 39050

Ion Ratio Lower Upper

43 100

58 29.8 0.0 62.2



#14

Carbon disulfide

Concen: 4.838 ug/L

RT: 2.32 min Scan# 383

Delta R.T. -0.00 min

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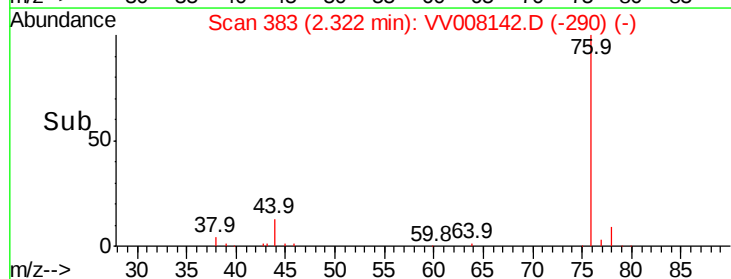
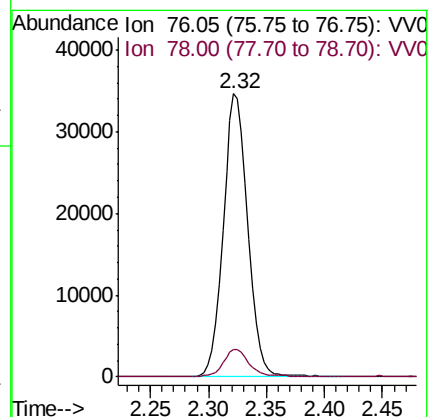
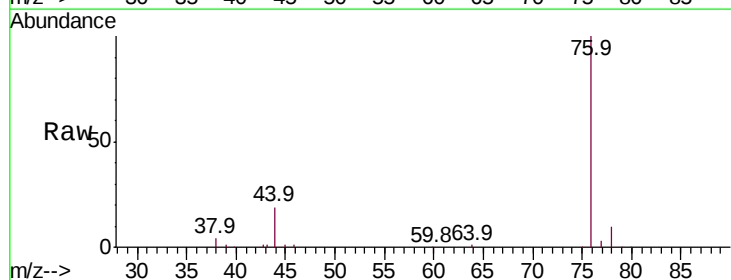
Acq: 06 Oct 2018 11:27

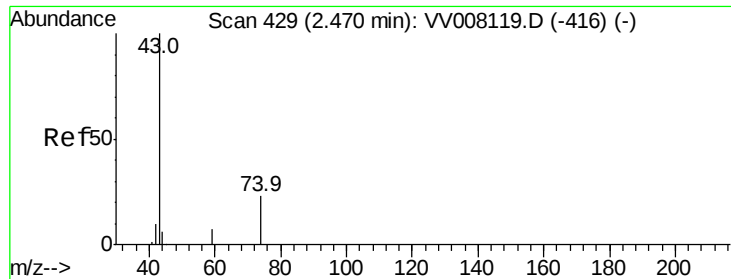
Tgt Ion: 76 Resp: 51039

Ion Ratio Lower Upper

76 100

78 9.7 8.0 12.0





#15

Methyl Acetate

Concen: 5.494 ug/L

RT: 2.47 min Scan# 429

Delta R.T. -0.00 min

Lab File: VV008142.D

Acq: 06 Oct 2018 11:27

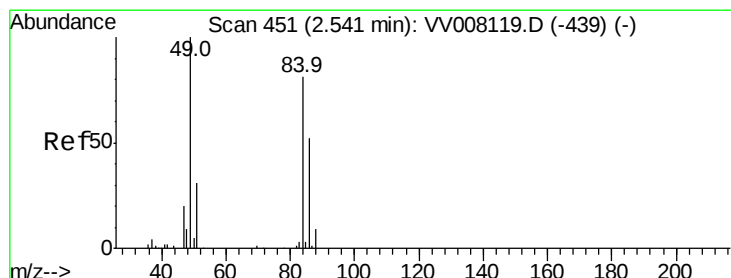
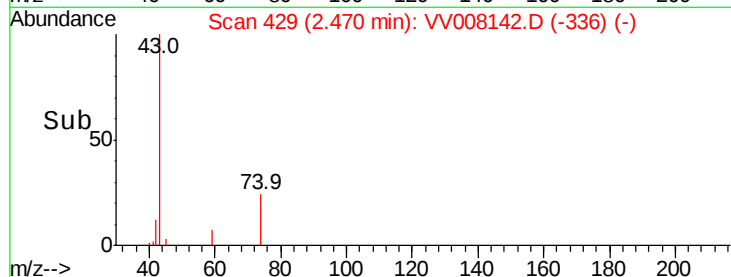
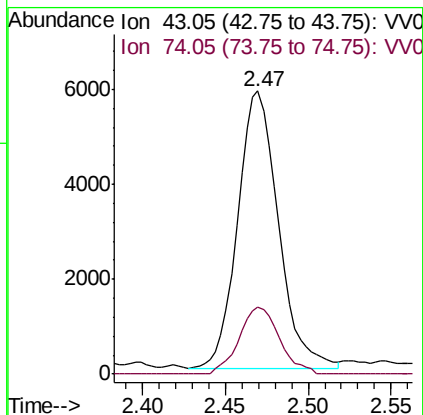
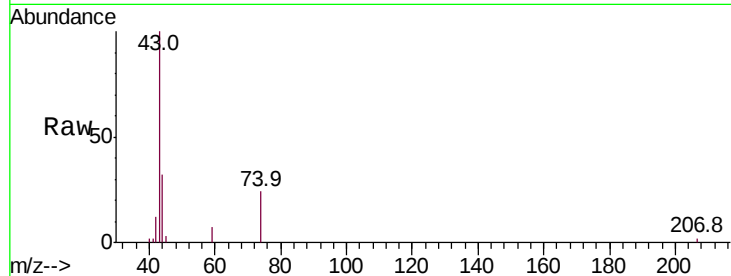
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 9986

Ion Ratio Lower Upper

43 100

74 24.0 18.1 27.1



#16

Methylene chloride

Concen: 4.790 ug/L

RT: 2.54 min Scan# 451

Delta R.T. -0.00 min

Lab File: VV008142.D

Acq: 06 Oct 2018 11:27

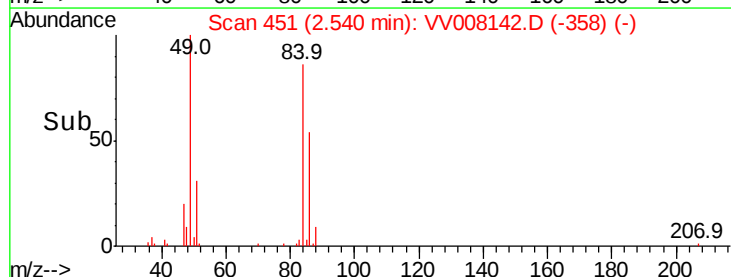
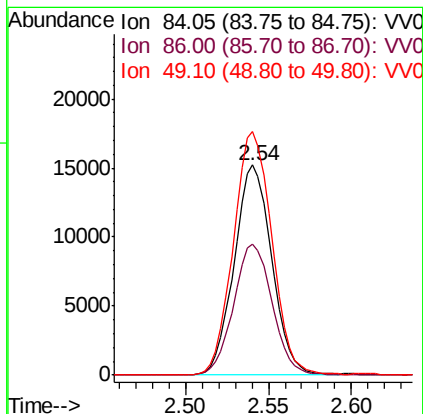
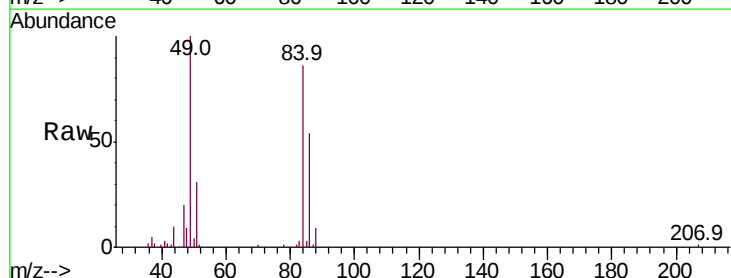
Tgt Ion: 84 Resp: 24092

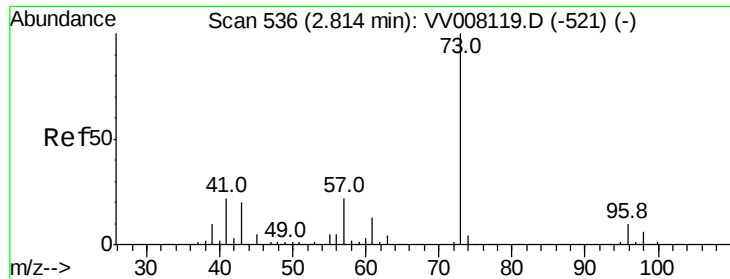
Ion Ratio Lower Upper

84 100

86 62.4 45.3 84.1

49 115.8 83.0 154.1

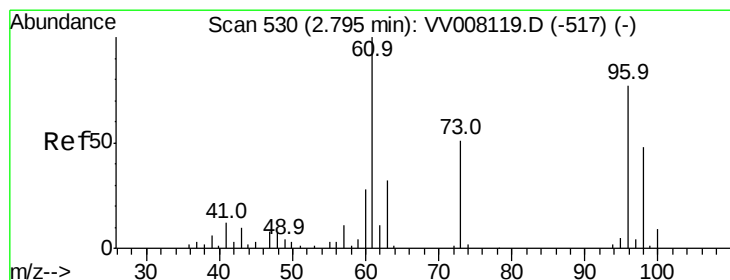
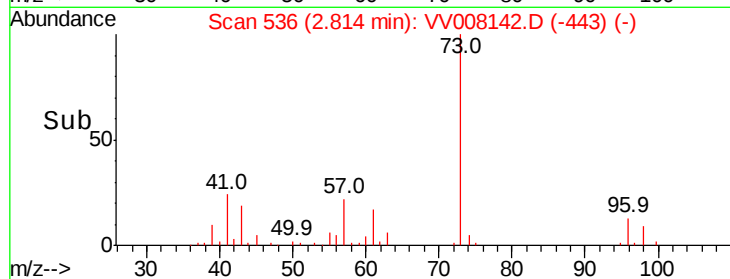
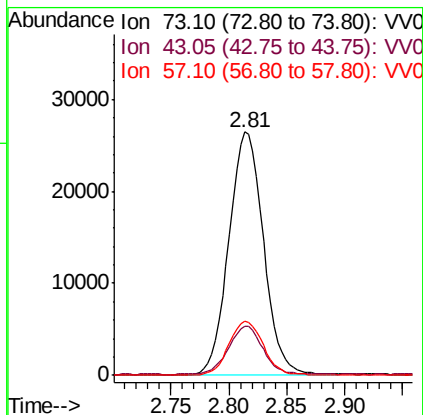
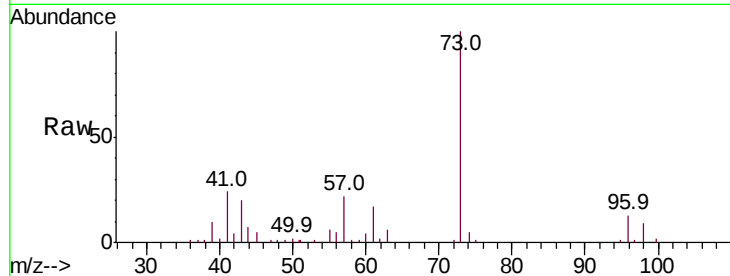




#17
Methvl tert-butvl Ether
Concen: 5.309 ug/L
RT: 2.81 min Scan# 536
Delta R.T. -0.00 min
Lab File: VV008142.D
Acq: 06 Oct 2018 11:27

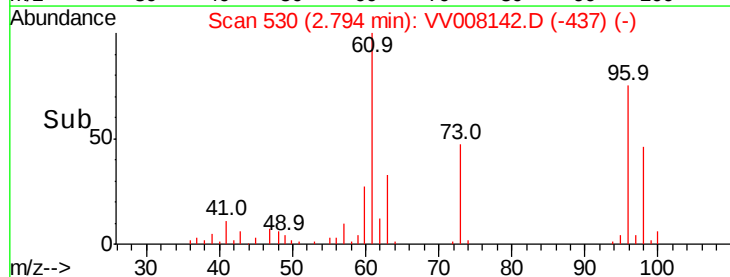
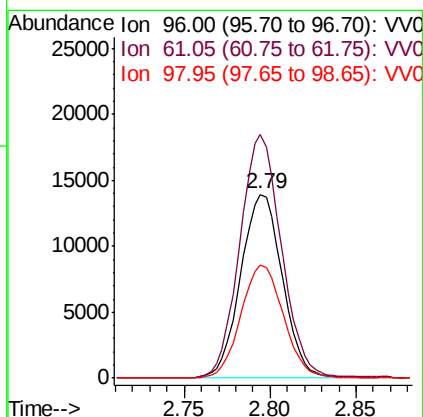
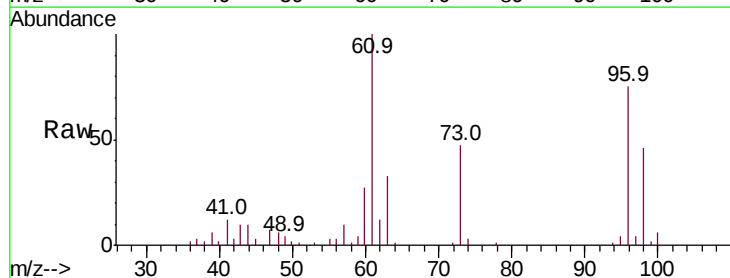
Instrument :
MSVOA_V
ClientSampleId :

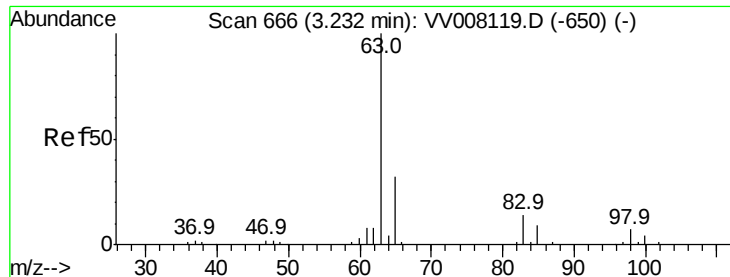
Tot Ion: 73 Resp: 55167
Ion Ratio Lower Upper
73 100
43 19.2 17.0 25.4
57 22.2 17.3 25.9



#18
trans-1,2-Dichloroethene
Concen: 5.177 ug/L
RT: 2.79 min Scan# 530
Delta R.T. -0.00 min
Lab File: VV008142.D
Acq: 06 Oct 2018 11:27

Tgt Ion: 96 Resp: 23423
Ion Ratio Lower Upper
96 100
61 132.6 91.6 170.2
98 61.2 44.4 82.5

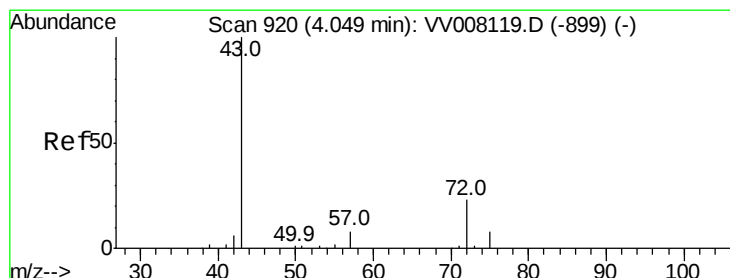
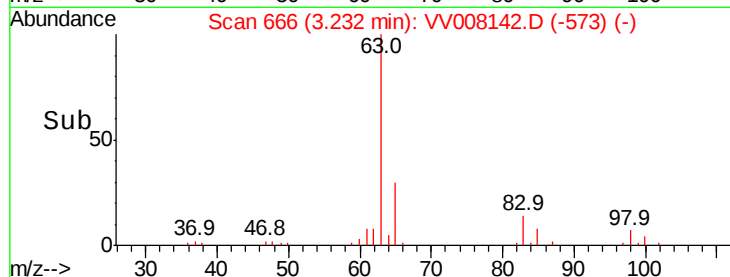
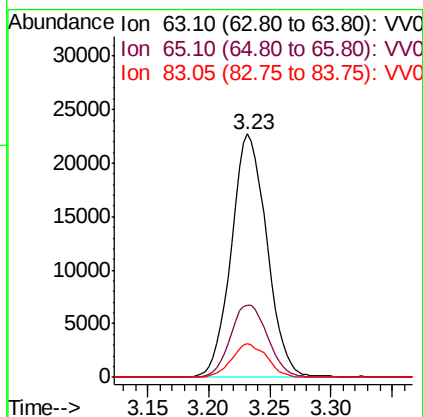
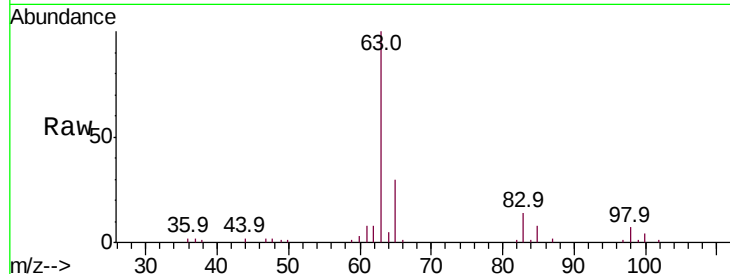




#19
 1,1-Dichloroethane
 Concen: 5.331 ug/L
 RT: 3.23 min Scan# 666
 Delta R.T. -0.00 min
 Lab File: VV008142.D
 Acq: 06 Oct 2018 11:27

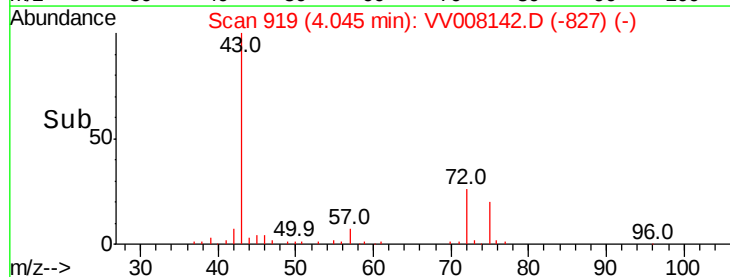
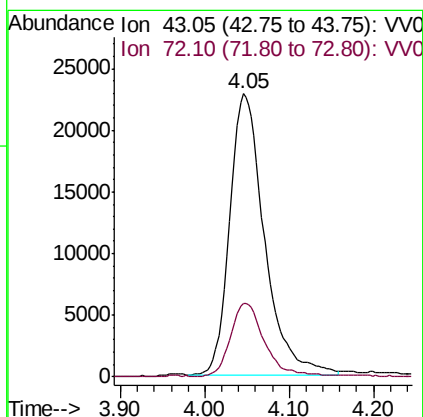
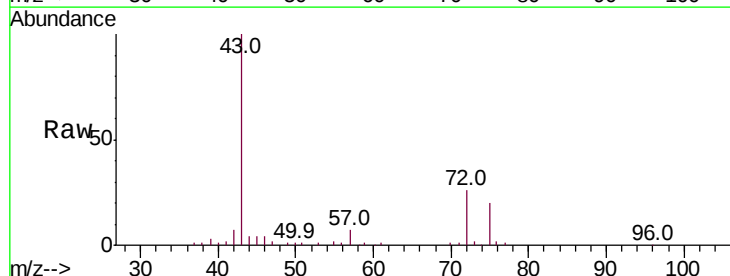
Instrument :
 MSVOA_V
 ClientSampleId :

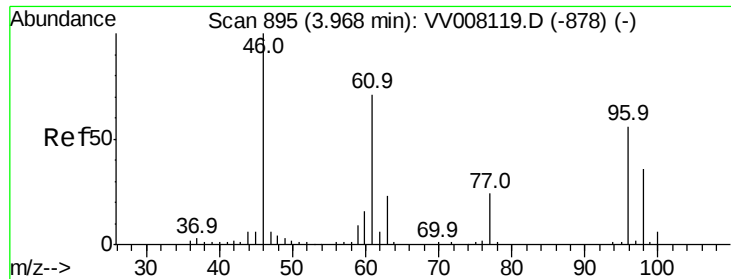
Tot Ion: 63 Resp: 45933
 Ion Ratio Lower Upper
 63 100
 65 29.7 22.4 41.6
 83 14.0 9.6 17.8



#21
 2-Butanone
 Concen: 52.995 ug/L
 RT: 4.05 min Scan# 919
 Delta R.T. -0.00 min
 Lab File: VV008142.D
 Acq: 06 Oct 2018 11:27

Tgt Ion: 43 Resp: 65458
 Ion Ratio Lower Upper
 43 100
 72 25.4 12.9 38.6



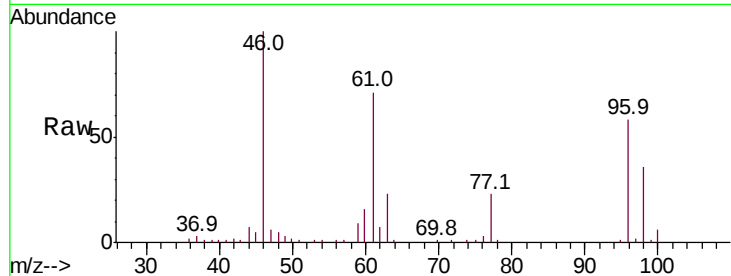


#22

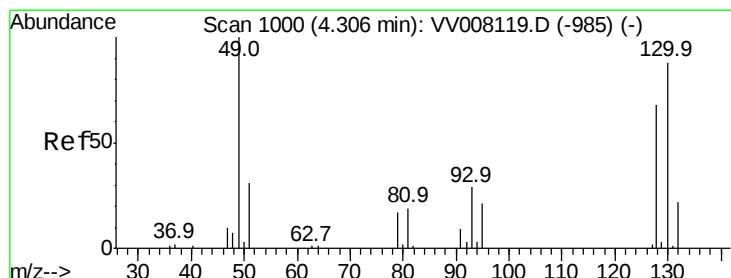
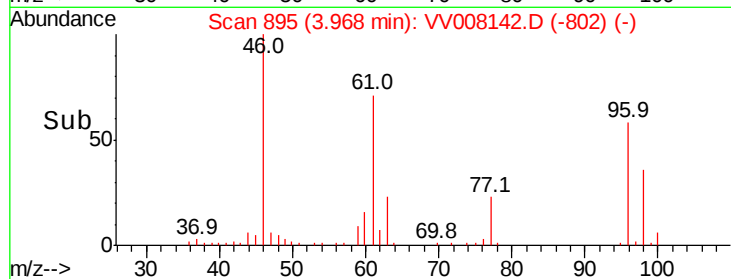
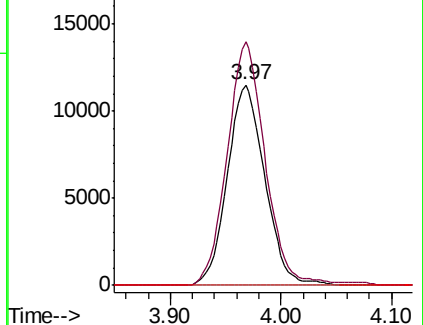
cis-1,2-Dichloroethene
Concen: 5.306 ug/L
RT: 3.97 min Scan# 895
Delta R.T. -0.00 min
Lab File: VV008142.D
Acq: 06 Oct 2018 11:27

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 96 Resp: 27079
Ion Ratio Lower Upper
96 100
61 121.6 85.1 158.1
68 0.0 0.0 0.0



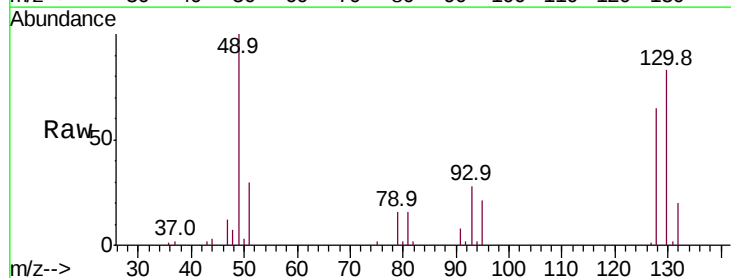
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 68.15 (67.85 to 68.85): VV0



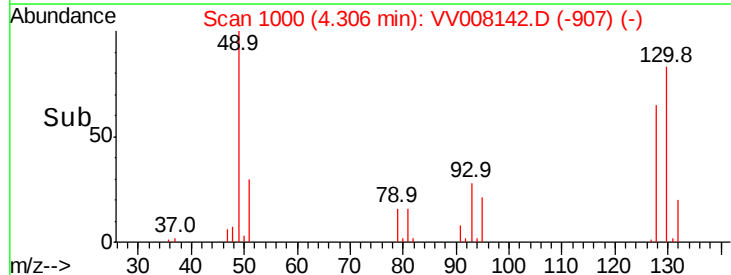
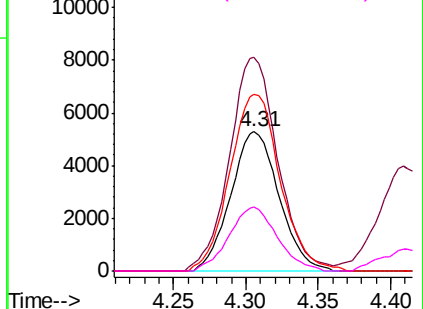
#23

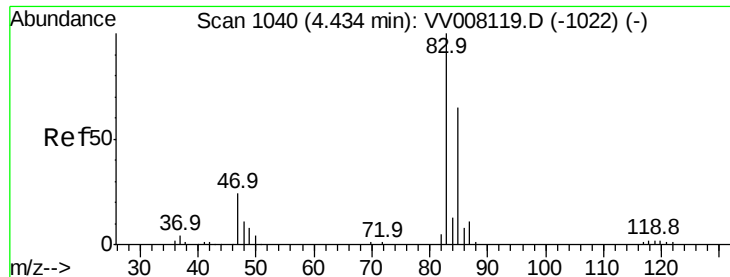
Bromochloromethane
Concen: 5.289 ug/L
RT: 4.31 min Scan# 1000
Delta R.T. -0.00 min
Lab File: VV008142.D
Acq: 06 Oct 2018 11:27

Tgt Ion:128 Resp: 12255
Ion Ratio Lower Upper
128 100
49 153.6 99.8 185.3
130 127.0 85.5 158.7
51 46.3 38.0 57.0



Abundance Ion 127.90 (127.60 to 128.60): V
Ion 49.10 (48.80 to 49.80): VV0
Ion 129.95 (129.65 to 130.65): V
Ion 51.05 (50.75 to 51.75): VV0

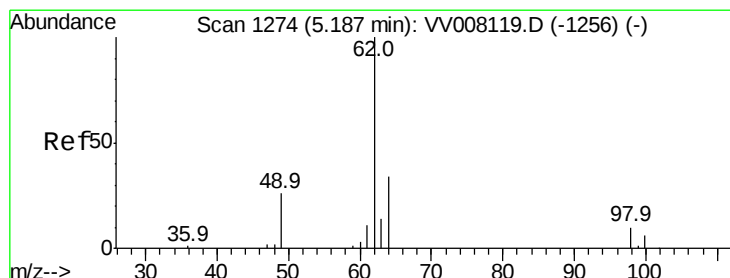
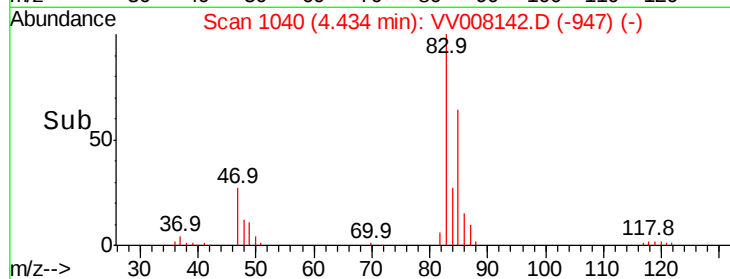
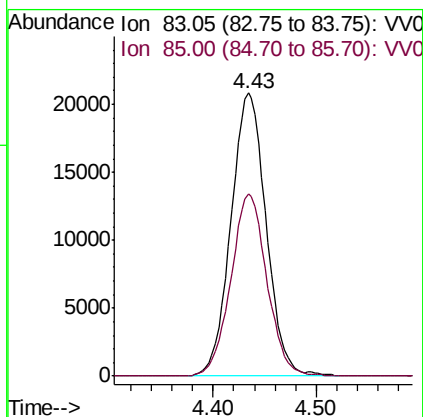
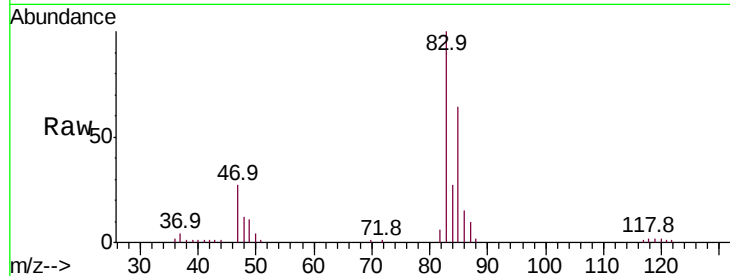




#25
Chloroform
Concen: 5.332 ug/L
RT: 4.43 min Scan# 1040
Delta R.T. -0.00 min
Lab File: VV008142.D
Acq: 06 Oct 2018 11:27

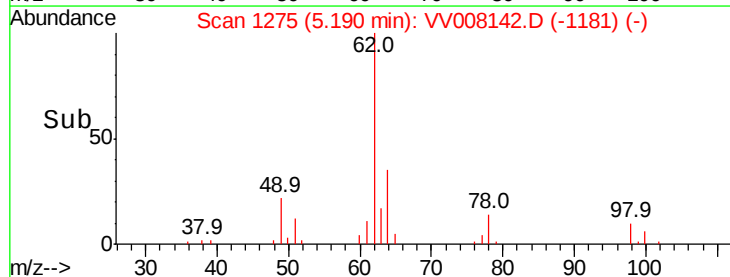
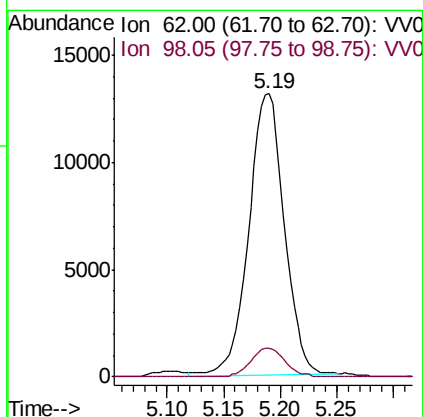
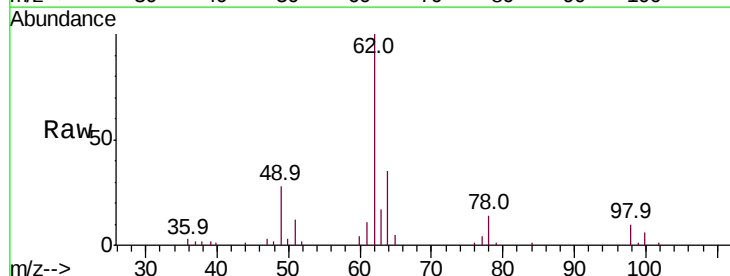
Instrument :
MSVOA_V
ClientSampled :

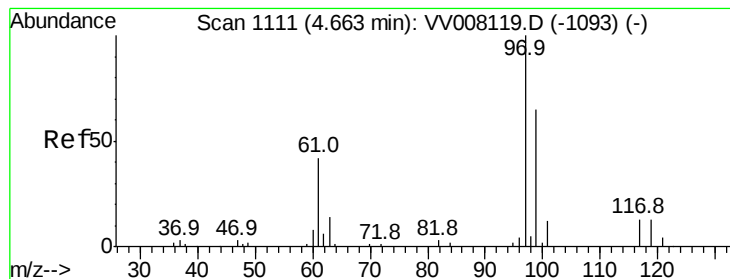
Tot Ion: 83 Resp: 49433
Ion Ratio Lower Upper
83 100
85 64.4 44.6 82.8



#27
1,2-Dichloroethane
Concen: 5.252 ug/L
RT: 5.19 min Scan# 1275
Delta R.T. 0.00 min
Lab File: VV008142.D
Acq: 06 Oct 2018 11:27

Tgt Ion: 62 Resp: 28603
Ion Ratio Lower Upper
62 100
98 10.3 7.3 10.9





#29

1,1,1-Trichloroethane

Concen: 5.215 ug/L

RT: 4.66 min Scan# 1111

Delta R.T. -0.00 min

Lab File: VV008142.D

Acq: 06 Oct 2018 11:27

Instrument :
MSVOA_V
ClientSampleId :

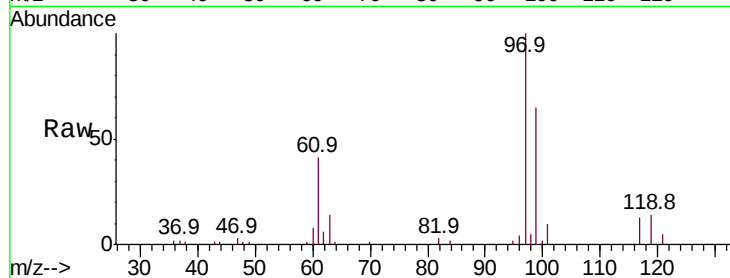
Tot Ion: 97 Resp: 42584

Ion Ratio Lower Upper

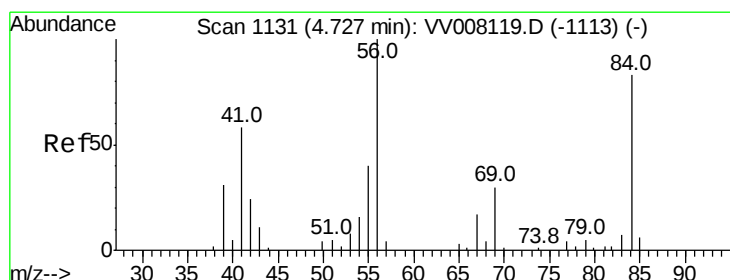
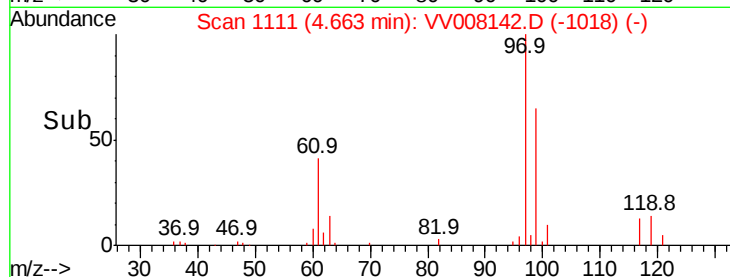
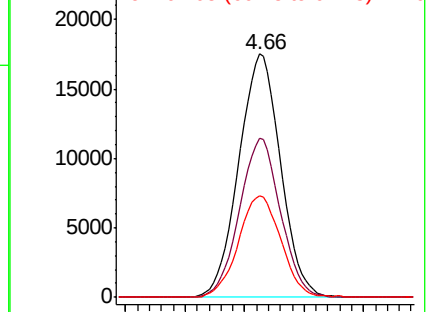
97 100

99 64.1 51.0 76.4

61 42.4 34.0 51.0



Abundance Ion 96.95 (96.65 to 97.65): VV0
Ion 99.05 (98.75 to 99.75): VV0
Ion 61.05 (60.75 to 61.75): VV0



#30

Cyclohexane

Concen: 4.924 ug/L

RT: 4.73 min Scan# 1131

Delta R.T. -0.00 min

Lab File: VV008142.D

Acq: 06 Oct 2018 11:27

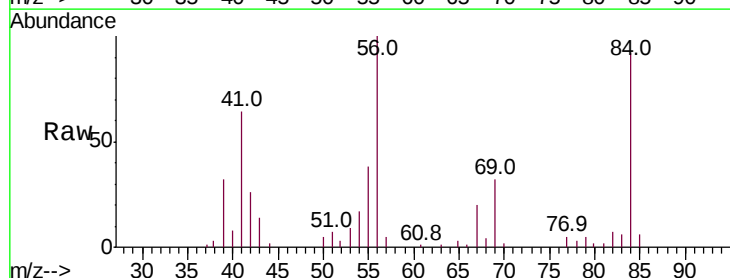
Tgt Ion: 56 Resp: 33388

Ion Ratio Lower Upper

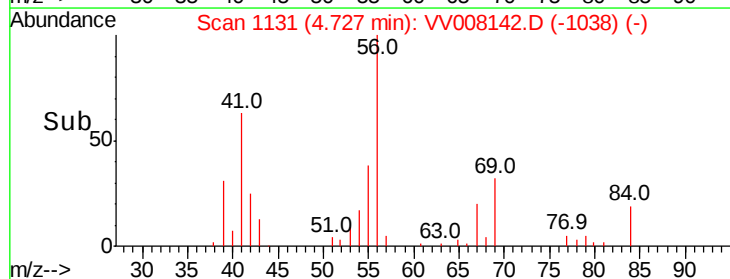
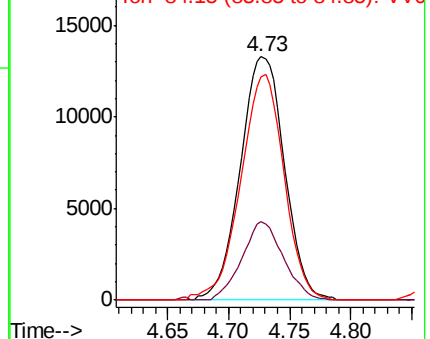
56 100

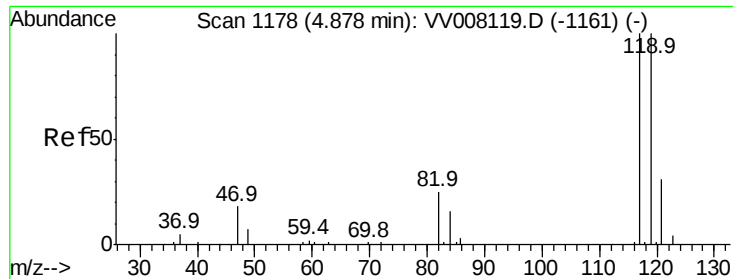
69 30.2 24.6 36.8

84 90.4 70.7 106.1



Abundance Ion 56.10 (55.80 to 56.80): VV0
Ion 69.15 (68.85 to 69.85): VV0
Ion 84.15 (83.85 to 84.85): VV0





#31

Carbon tetrachloride

Concen: 5.134 ug/L

RT: 4.88 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VV008142.D

Acq: 06 Oct 2018 11:27

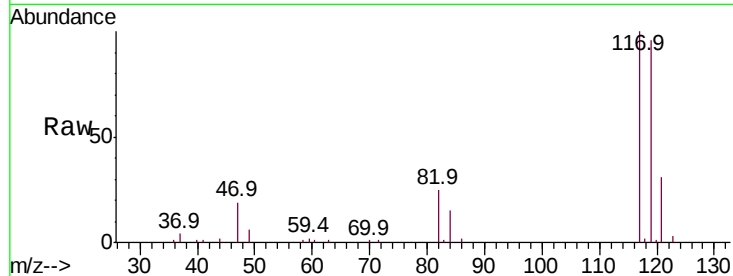
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:117 Resp: 37660

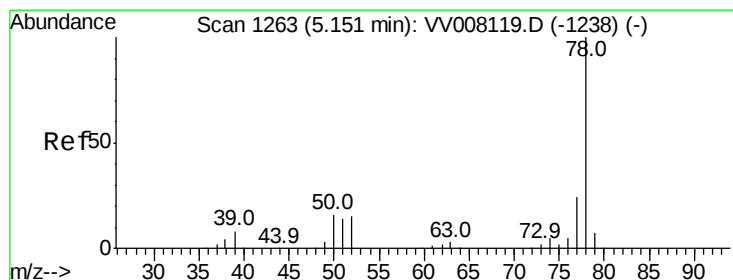
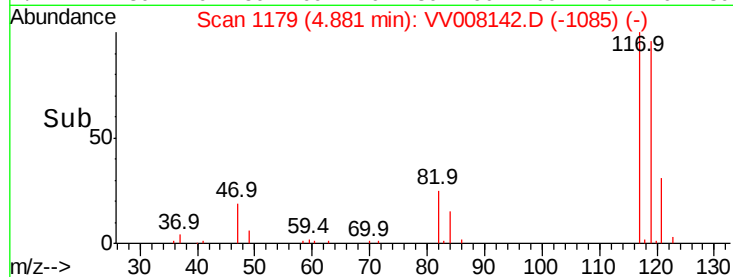
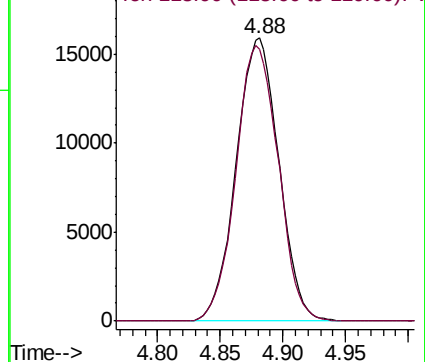
Ion Ratio Lower Upper

117 100

119 96.7 76.3 114.5



Abundance Ion 116.90 (116.60 to 117.60): V
Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.415 ug/L

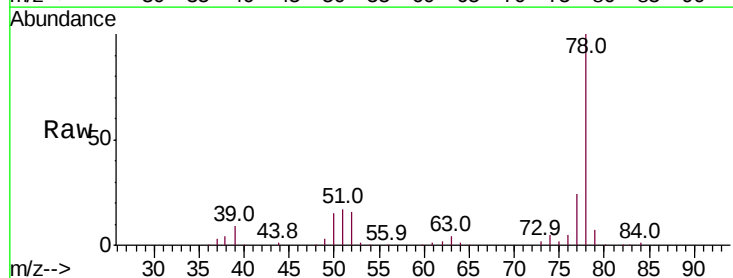
RT: 5.15 min Scan# 1263

Delta R.T. -0.00 min

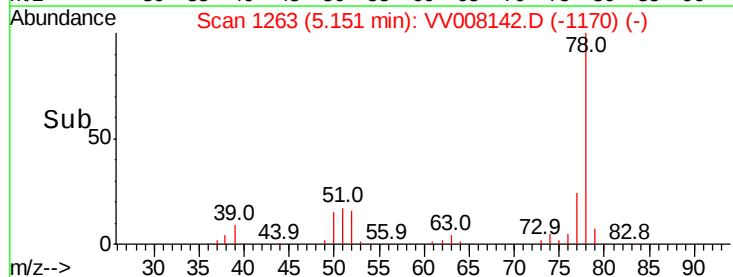
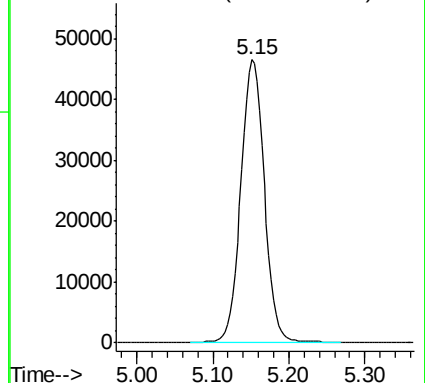
Lab File: VV008142.D

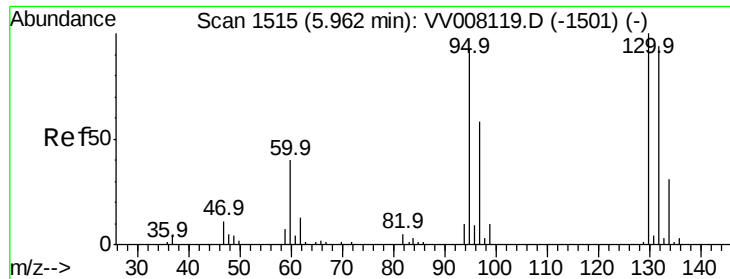
Acq: 06 Oct 2018 11:27

Tgt Ion: 78 Resp: 100448



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 4.981 ug/L

RT: 5.96 min Scan# 1516

Delta R.T. 0.00 min

Lab File: VV008142.D

Acq: 06 Oct 2018 11:27

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 95 Resp: 26966

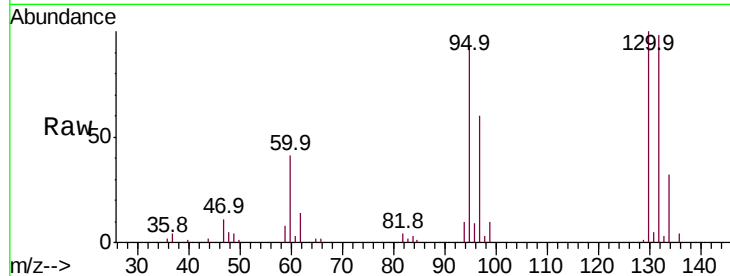
Ion Ratio Lower Upper

95 100

97 64.6 44.9 83.5

132 104.7 73.6 136.6

130 107.3 76.2 141.6

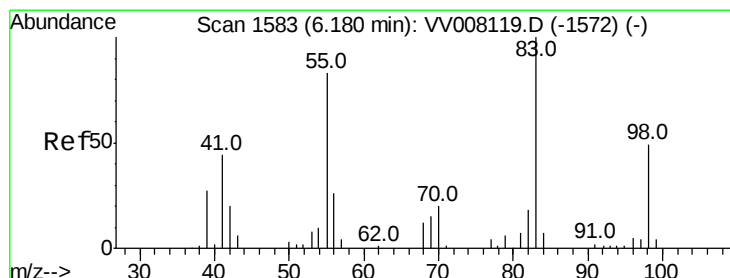
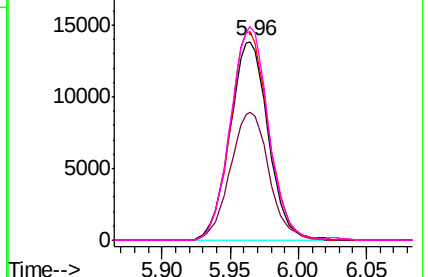
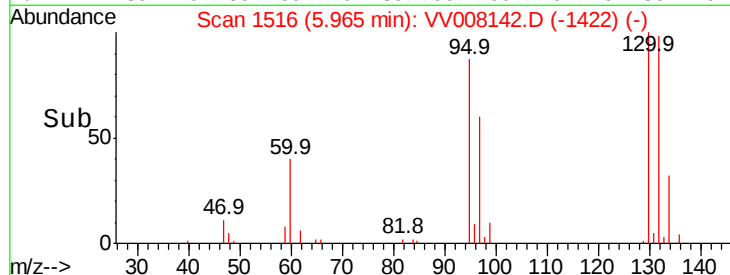


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 4.784 ug/L

RT: 6.18 min Scan# 1582

Delta R.T. -0.00 min

Lab File: VV008142.D

Acq: 06 Oct 2018 11:27

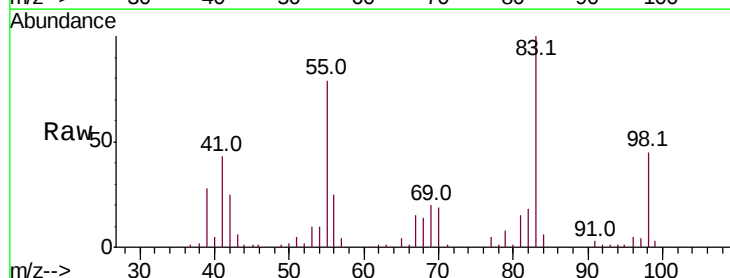
Tgt Ion: 83 Resp: 36177

Ion Ratio Lower Upper

83 100

55 78.3 63.6 95.4

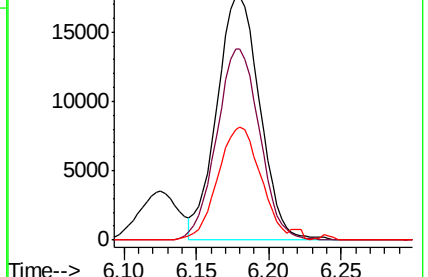
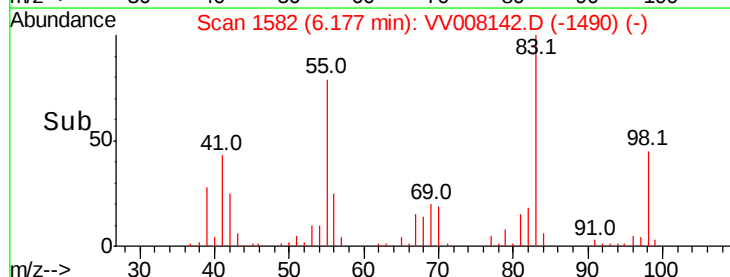
98 46.1 38.3 57.5

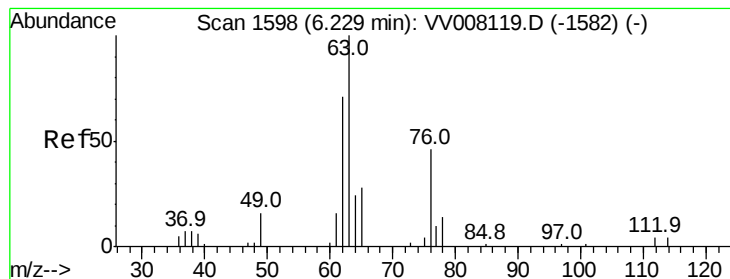


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0





#37

1,2-Dichloropropane

Concen: 5.318 ug/L

RT: 6.23 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VV008142.D

Acq: 06 Oct 2018 11:27

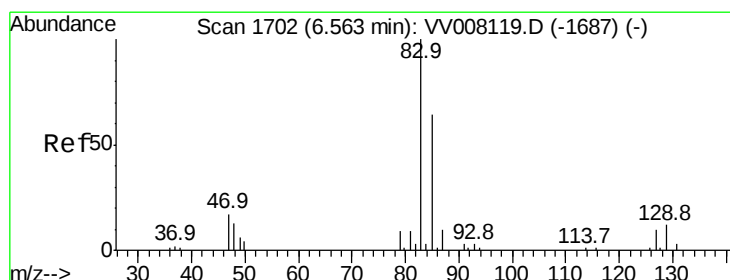
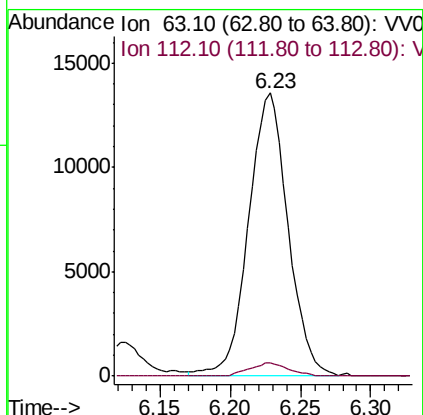
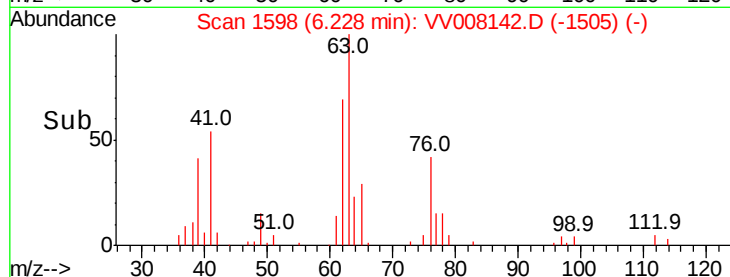
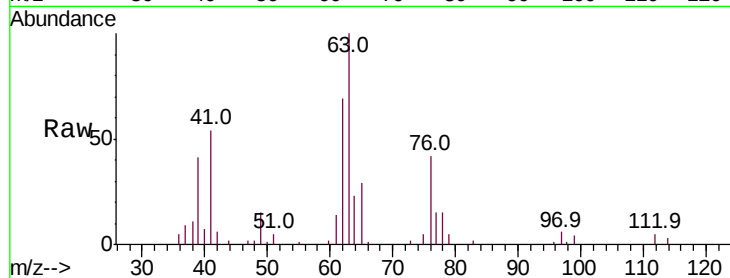
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 63 Resp: 26621

Ion Ratio Lower Upper

63 100

112 4.6 3.4 5.2



#38

Bromodichloromethane

Concen: 5.150 ug/L

RT: 6.56 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VV008142.D

Acq: 06 Oct 2018 11:27

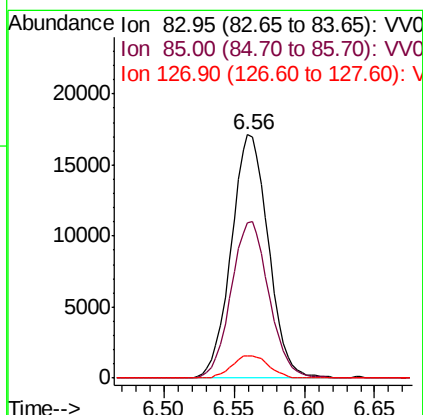
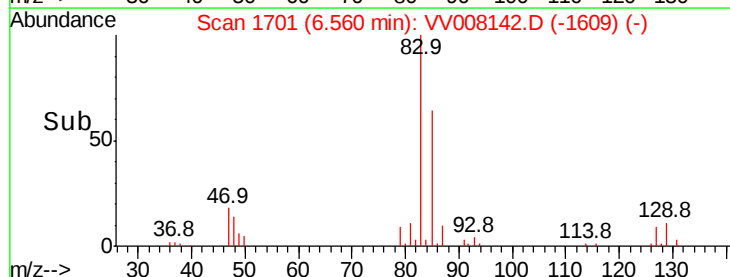
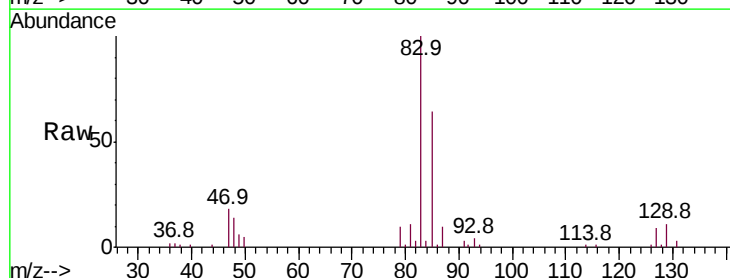
Tgt Ion: 83 Resp: 31538

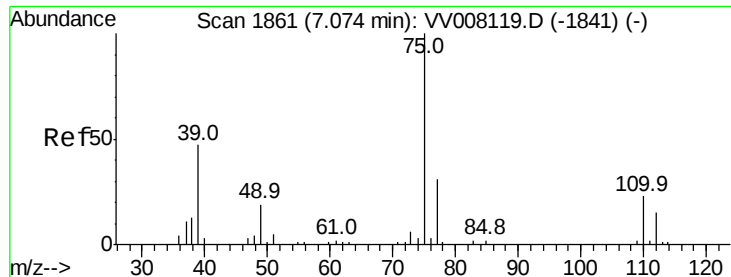
Ion Ratio Lower Upper

83 100

85 63.7 42.5 78.9

127 9.2 7.7 11.5

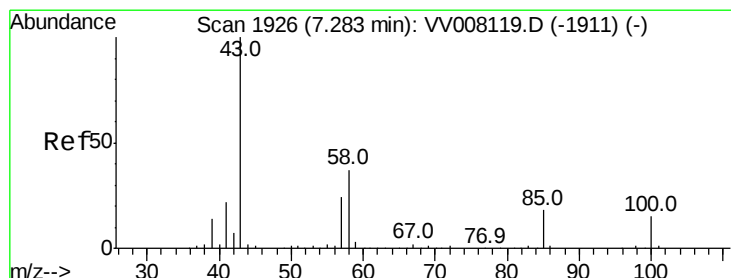
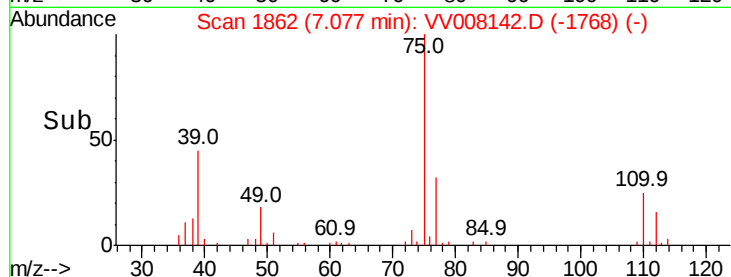
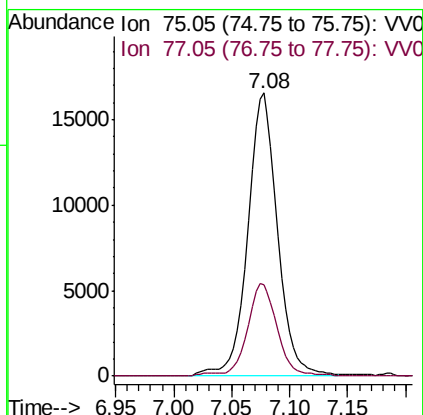
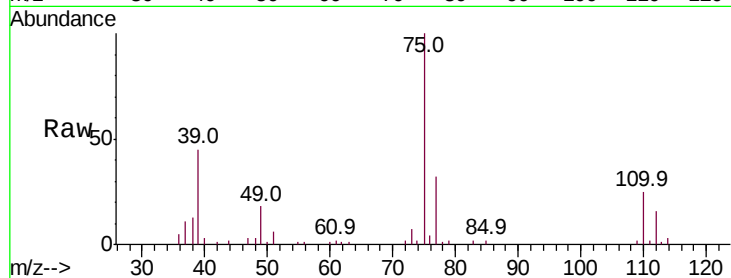




#39
 cis-1,3-Dichloropropene
 Concen: 4.634 ug/L
 RT: 7.08 min Scan# 1862
 Delta R.T. 0.00 min
 Lab File: VV008142.D
 Acq: 06 Oct 2018 11:27

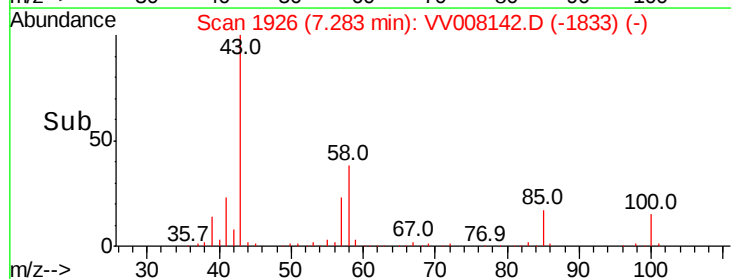
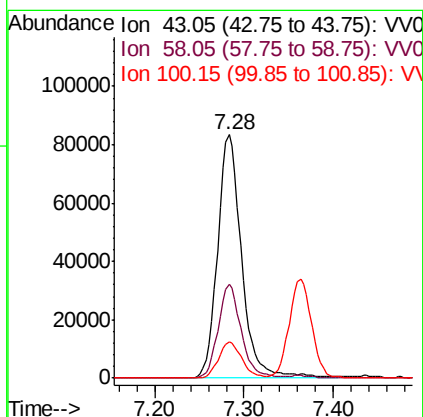
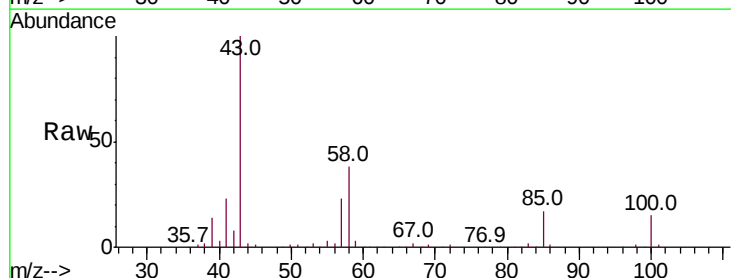
Instrument :
 MSVOA_V
 ClientSampleId :

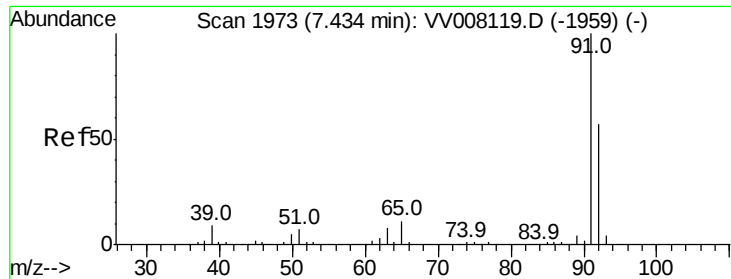
Tot Ion: 75 Resp: 29743
 Ion Ratio Lower Upper
 75 100
 77 32.4 22.1 41.1



#40
 4-Methyl-2-pentanone
 Concen: 55.037 ug/L
 RT: 7.28 min Scan# 1926
 Delta R.T. -0.00 min
 Lab File: VV008142.D
 Acq: 06 Oct 2018 11:27

Tgt Ion: 43 Resp: 156125
 Ion Ratio Lower Upper
 43 100
 58 36.6 29.8 44.8
 100 14.4 11.6 17.4





#42

Toluene

Concen: 5.492 ug/L

RT: 7.43 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VV008142.D

Acq: 06 Oct 2018 11:27

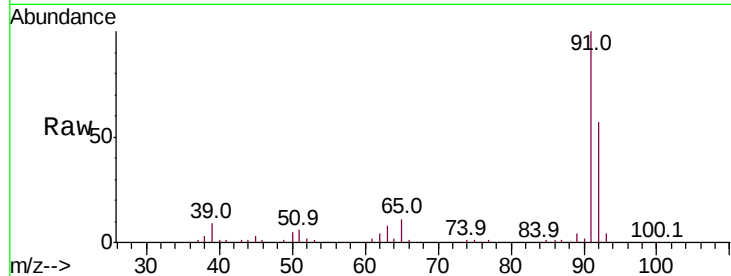
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 108228

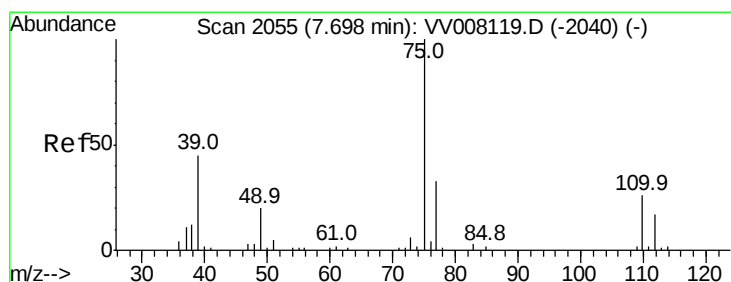
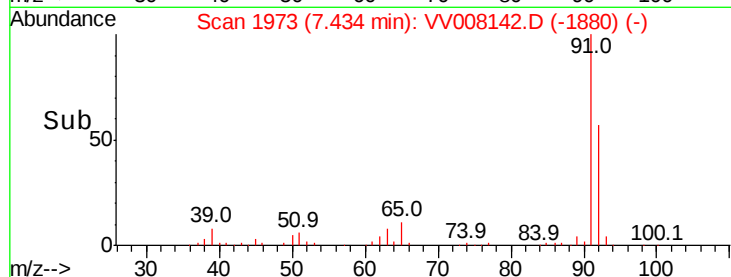
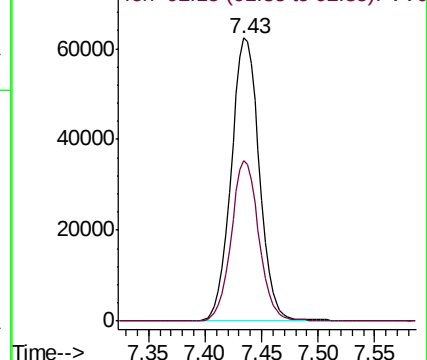
Ion Ratio Lower Upper

91 100

92 56.9 39.9 74.1



Abundance Ion 91.15 (90.85 to 91.85): VV0
Ion 92.15 (91.85 to 92.85): VV0



#44

trans-1,3-Dichloropropene

Concen: 4.694 ug/L

RT: 7.70 min Scan# 2055

Delta R.T. -0.00 min

Lab File: VV008142.D

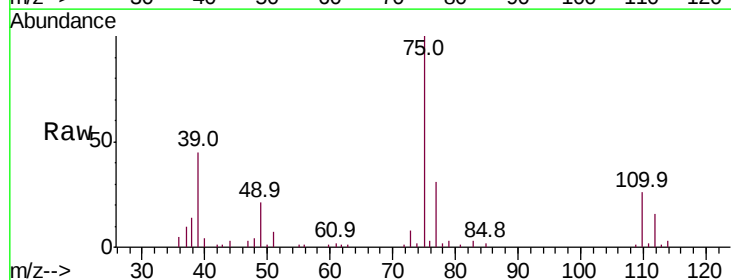
Acq: 06 Oct 2018 11:27

Tgt Ion: 75 Resp: 24503

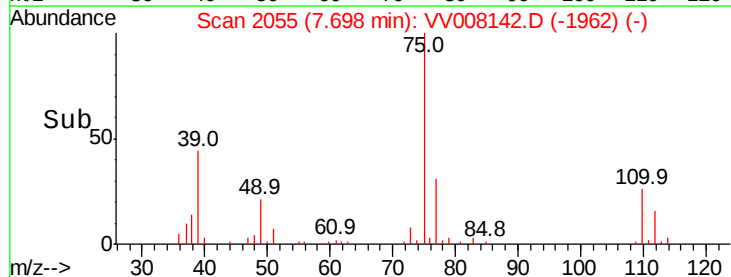
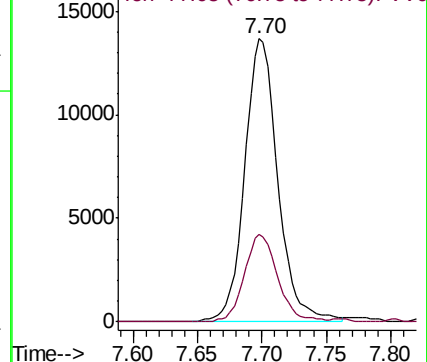
Ion Ratio Lower Upper

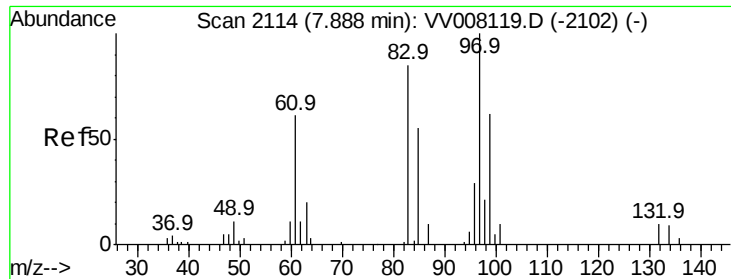
75 100

77 31.1 23.4 43.6



Abundance Ion 75.05 (74.75 to 75.75): VV0
Ion 77.05 (76.75 to 77.75): VV0

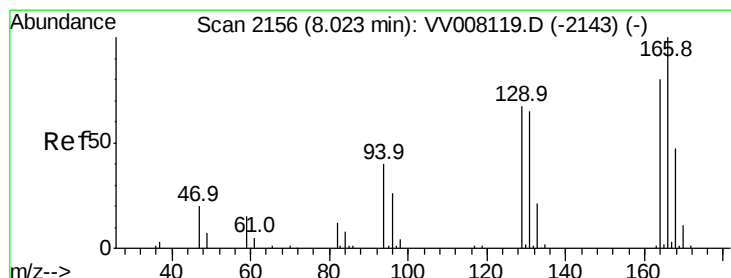
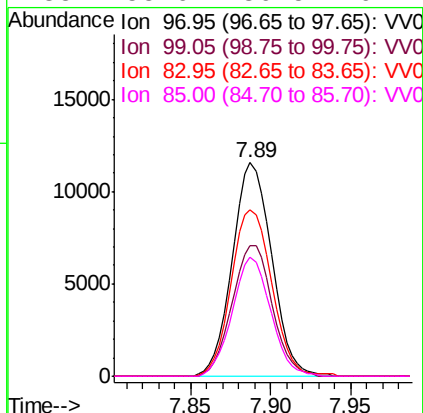
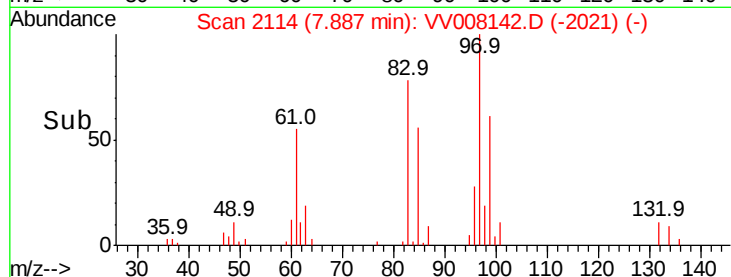
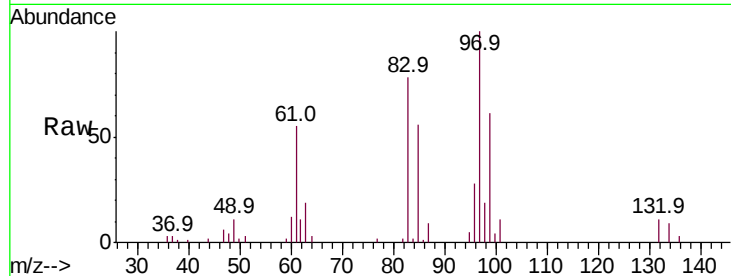




#45
 1,1,2-Trichloroethane
 Concen: 5.542 ug/L
 RT: 7.89 min Scan# 2114
 Delta R.T. -0.00 min
 Lab File: VV008142.D
 Acq: 06 Oct 2018 11:27

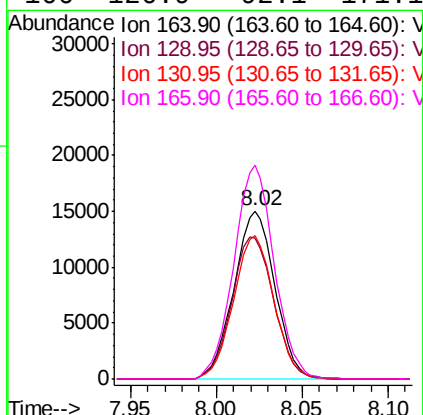
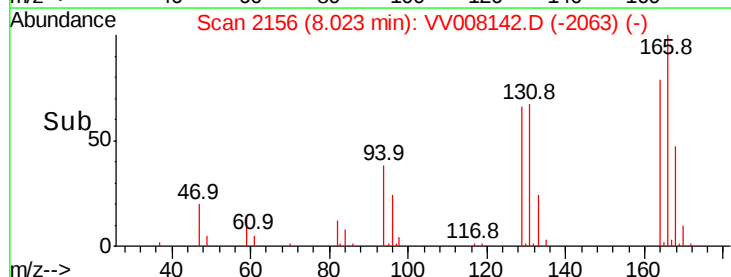
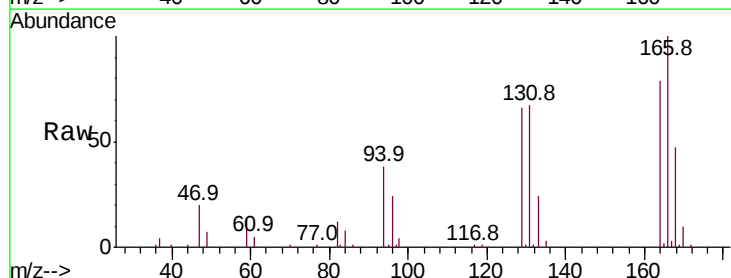
Instrument :
 MSVOA_V
 ClientSampleId :

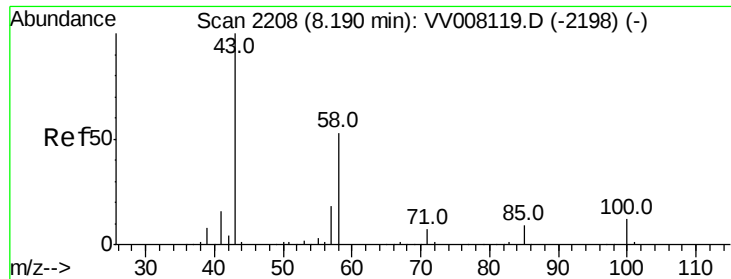
Tot Ion:	97	Resp:	19459
Ion	Ratio	Lower	Upper
97	100		
99	61.2	42.6	79.0
83	78.1	57.5	106.7
85	55.6	36.5	67.7



#47
 Tetrachloroethene
 Concen: 5.152 ug/L
 RT: 8.02 min Scan# 2156
 Delta R.T. -0.00 min
 Lab File: VV008142.D
 Acq: 06 Oct 2018 11:27

Tgt Ion:	164	Resp:	24911
Ion	Ratio	Lower	Upper
164	100		
129	83.7	62.2	115.4
131	84.9	60.5	112.5
166	126.9	92.1	171.1

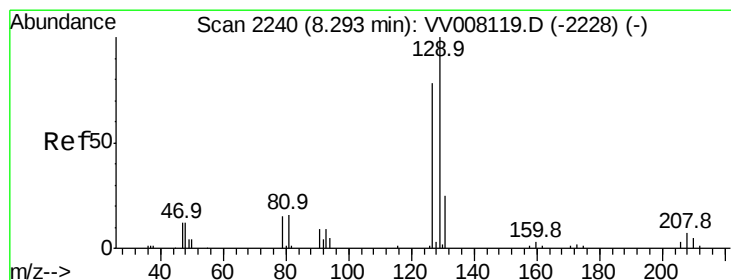
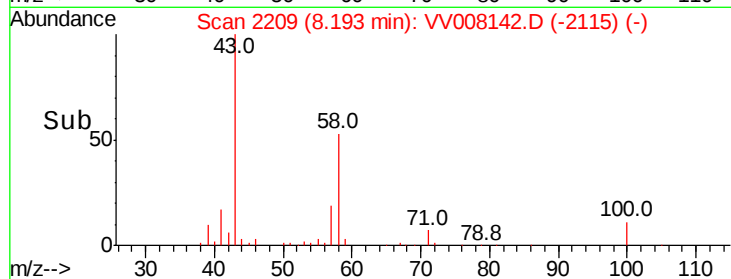
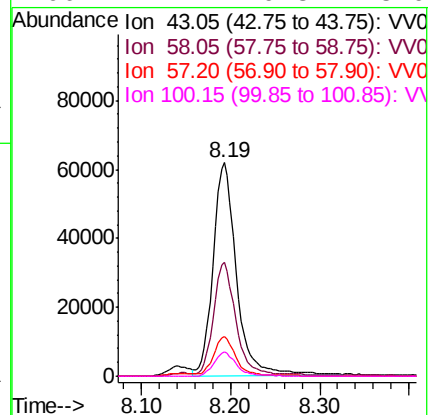
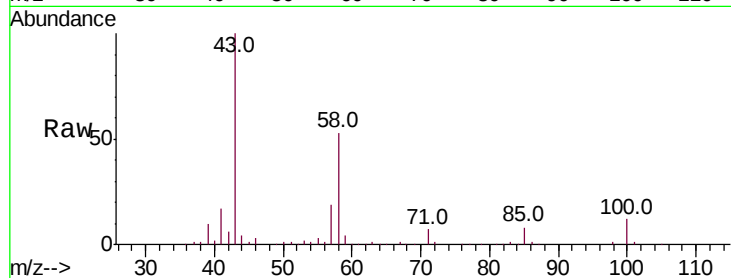




#48
2-Hexanone
Concen: 58.113 ug/L
RT: 8.19 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VV008142.D
Acq: 06 Oct 2018 11:27

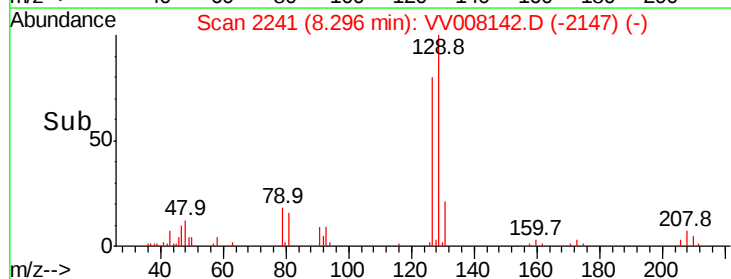
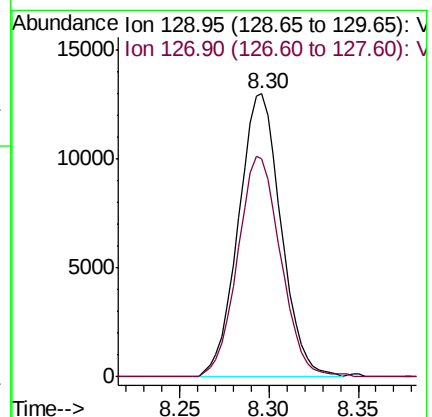
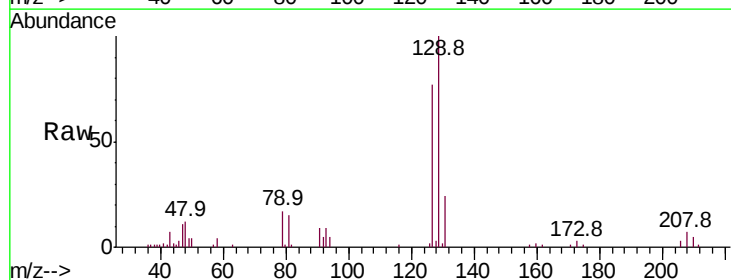
Instrument :
MSVOA_V
ClientSampled :

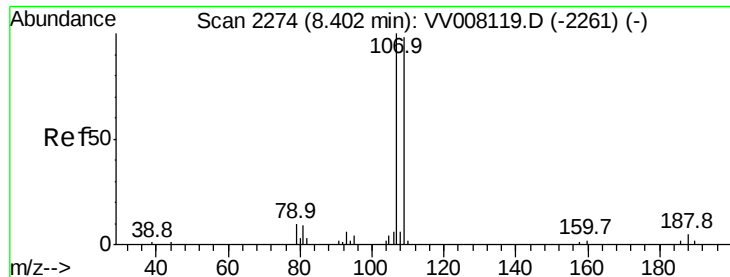
Tot Ion: 43 Resp: 111916
Ion Ratio Lower Upper
43 100
58 49.1 40.5 60.7
57 17.3 14.6 22.0
100 11.1 9.3 13.9



#49
Dibromochloromethane
Concen: 4.949 ug/L
RT: 8.30 min Scan# 2241
Delta R.T. 0.00 min
Lab File: VV008142.D
Acq: 06 Oct 2018 11:27

Tgt Ion: 129 Resp: 21677
Ion Ratio Lower Upper
129 100
127 76.8 54.5 101.3

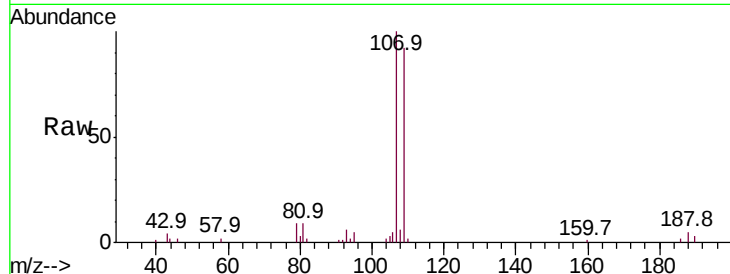




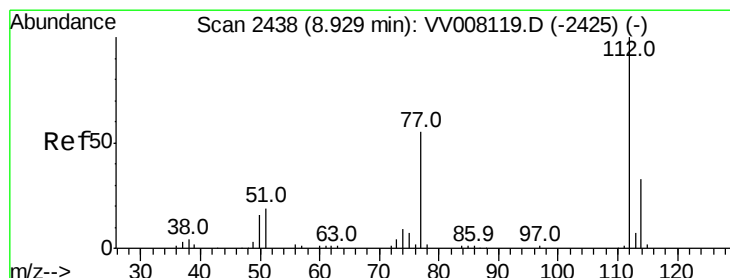
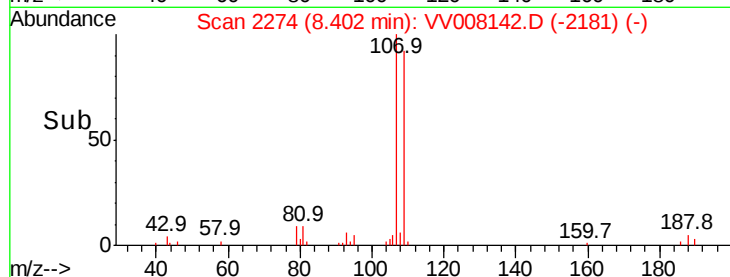
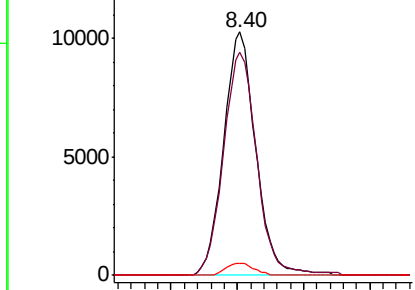
#50
1,2-Dibromoethane
Concen: 5.424 ug/L
RT: 8.40 min Scan# 2274
Delta R.T. -0.00 min
Lab File: VV008142.D
Acq: 06 Oct 2018 11:27

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
107	100		
109	91.8	65.5	121.6
188	5.0	3.5	5.3

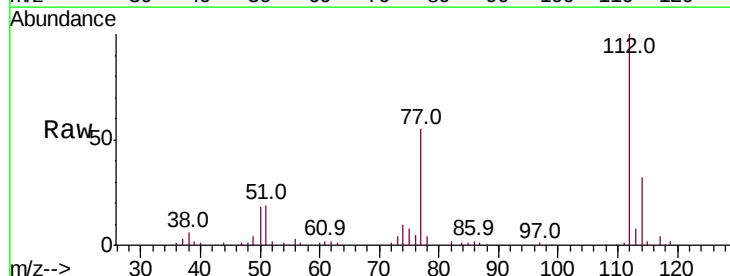


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

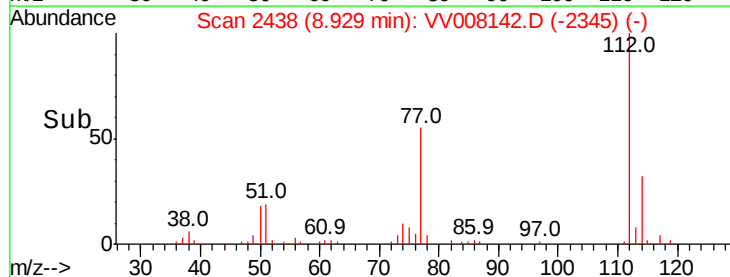
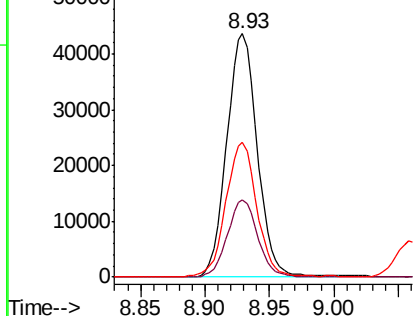


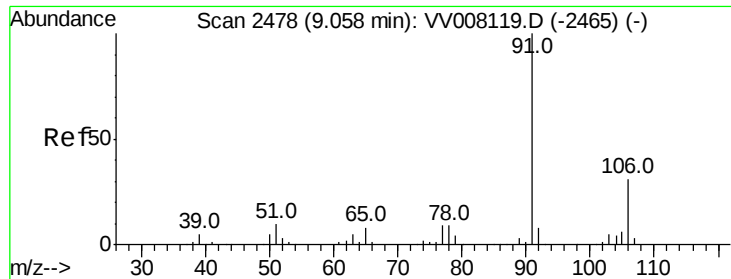
#51
Chlorobenzene
Concen: 5.199 ug/L
RT: 8.93 min Scan# 2438
Delta R.T. -0.00 min
Lab File: VV008142.D
Acq: 06 Oct 2018 11:27

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.6	22.8	42.4
77	55.4	44.6	66.8



Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): V





#52

Ethylbenzene

Concen: 5.116 ug/L

RT: 9.06 min Scan# 2478

Delta R.T. -0.00 min

Lab File: VV008142.D

Acq: 06 Oct 2018 11:27

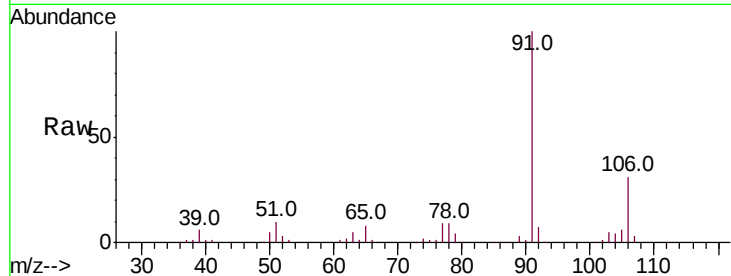
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 110040

Ion Ratio Lower Upper

91 100

106 31.1 22.3 41.5



Abundance Ion 91.15 (90.85 to 91.85): VV008119.D (-2465) (-)

Ion 106.15 (105.85 to 106.85): VV008119.D (-2465) (-)

9.06

80000

60000

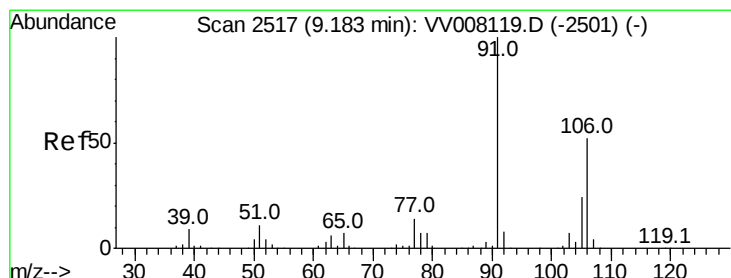
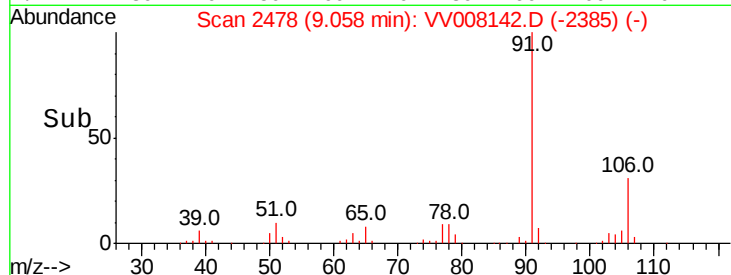
40000

20000

0

9.00 9.05 9.10 9.15

Time-->



#53

m,p-xylene

Concen: 5.279 ug/L

RT: 9.19 min Scan# 2518

Delta R.T. 0.00 min

Lab File: VV008142.D

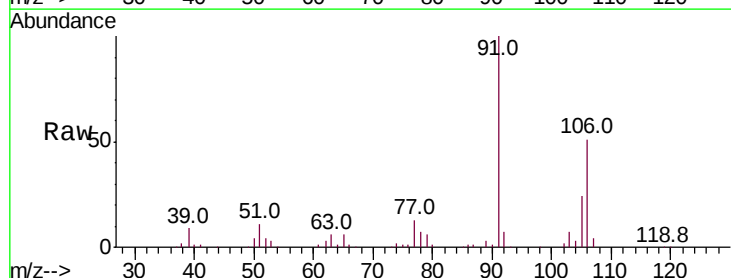
Acq: 06 Oct 2018 11:27

Tgt Ion: 106 Resp: 43049

Ion Ratio Lower Upper

106 100

91 197.4 140.8 261.4



Abundance Ion 106.15 (105.85 to 106.85): VV008119.D (-2501) (-)

Ion 91.15 (90.85 to 91.85): VV008119.D (-2501) (-)

9.19

60000

50000

40000

30000

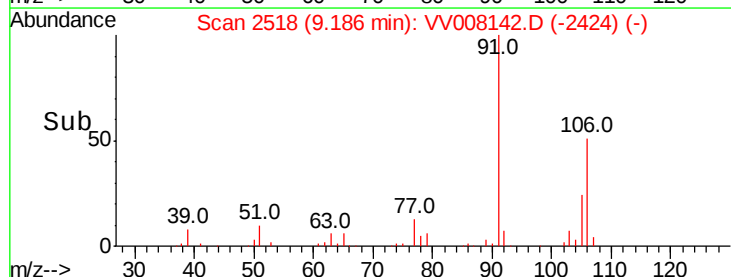
20000

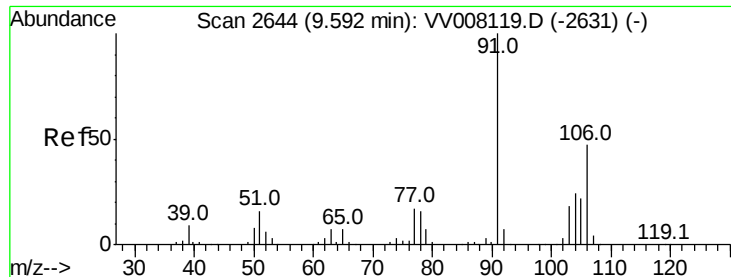
10000

0

9.10 9.15 9.20 9.25

Time-->





#54

o-xylene

Concen: 5.257 ug/L

RT: 9.59 min Scan# 2644

Delta R.T. -0.00 min

Lab File: VV008142.D

Acq: 06 Oct 2018 11:27

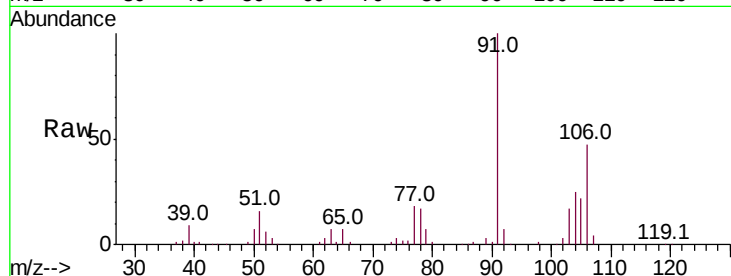
Instrument :
MSVOA_V
ClientSampled :

Tot Ion:106 Resp: 40922

Ion Ratio Lower Upper

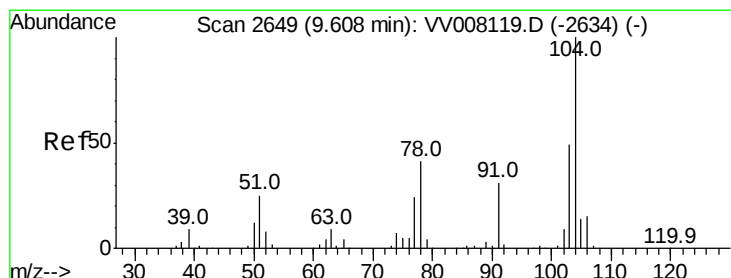
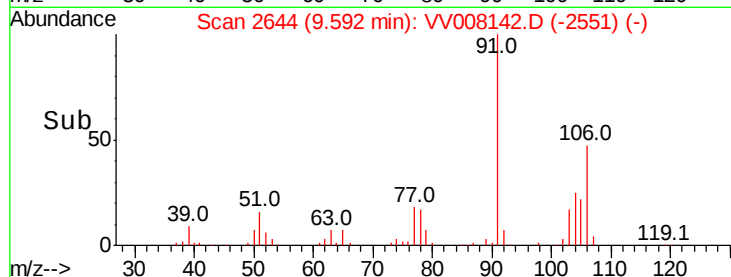
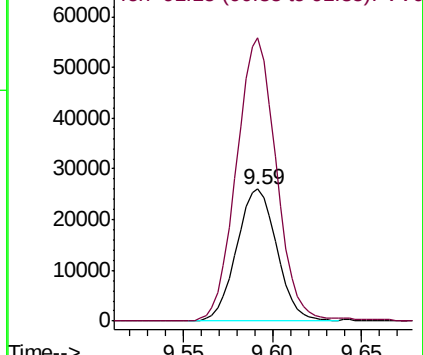
106 100

91 214.1 149.1 276.9



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 5.409 ug/L

RT: 9.61 min Scan# 2649

Delta R.T. -0.00 min

Lab File: VV008142.D

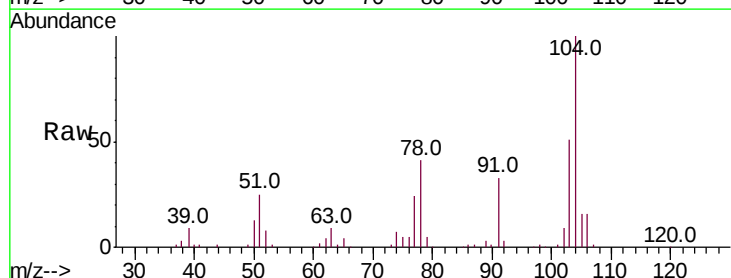
Acq: 06 Oct 2018 11:27

Tgt Ion:104 Resp: 71715

Ion Ratio Lower Upper

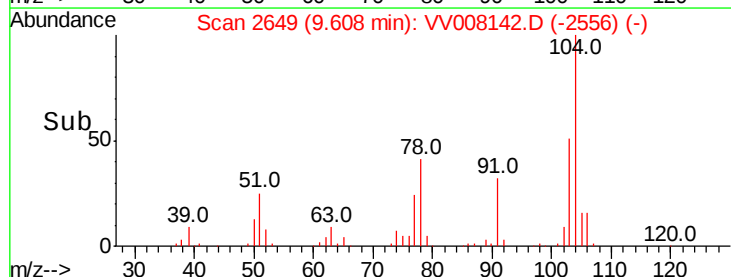
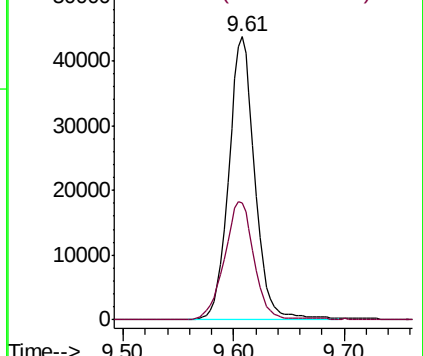
104 100

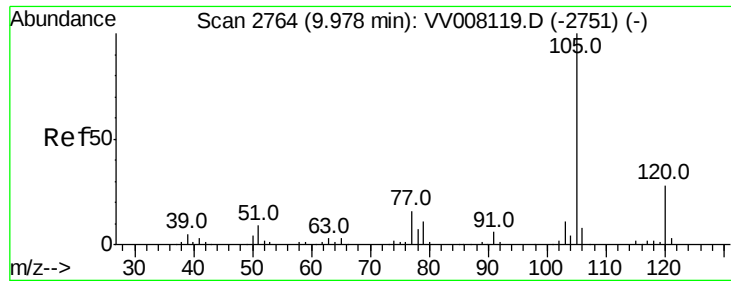
78 41.4 29.5 54.9



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 5.220 ug/L

RT: 9.98 min Scan# 2764

Delta R.T. -0.00 min

Lab File: VV008142.D

Acq: 06 Oct 2018 11:27

Instrument :
MSVOA_V
ClientSampleId :

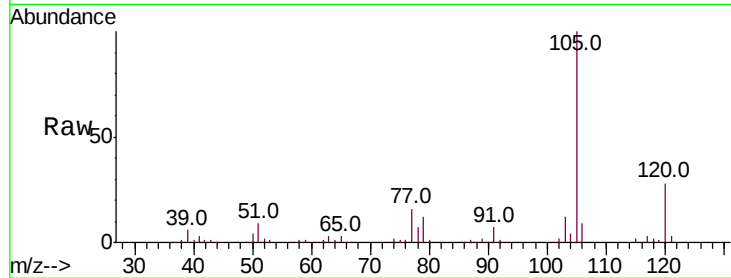
Tot Ion:105 Resp: 111782

Ion Ratio Lower Upper

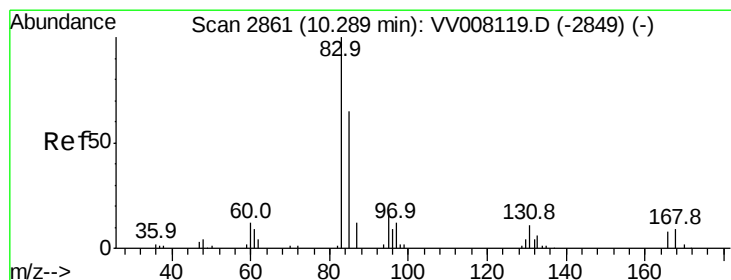
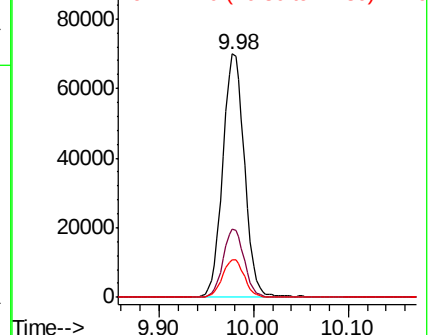
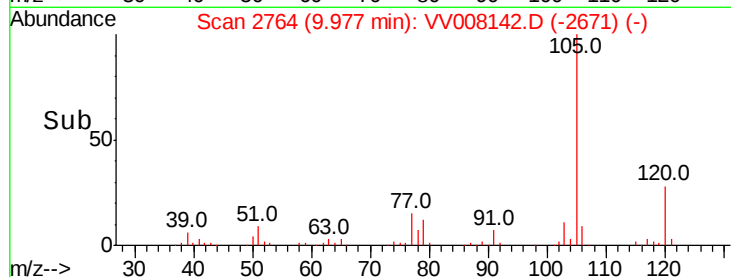
105 100

120 27.2 21.9 32.9

77 15.6 12.2 18.4



Abundance Ion 105.05 (104.75 to 105.75): V
Ion 120.10 (119.80 to 120.80): V
Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 5.300 ug/L

RT: 10.29 min Scan# 2861

Delta R.T. -0.00 min

Lab File: VV008142.D

Acq: 06 Oct 2018 11:27

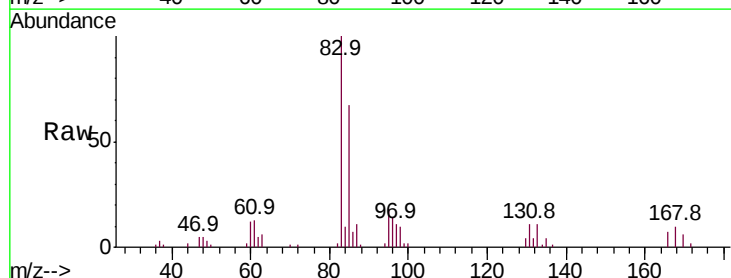
Tgt Ion: 83 Resp: 21573

Ion Ratio Lower Upper

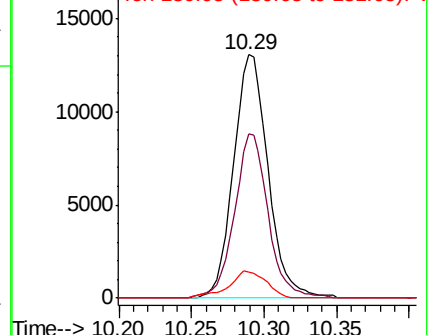
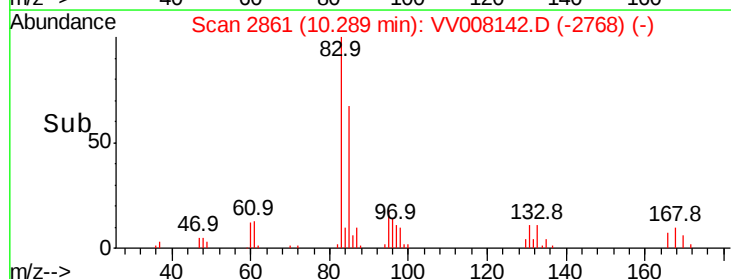
83 100

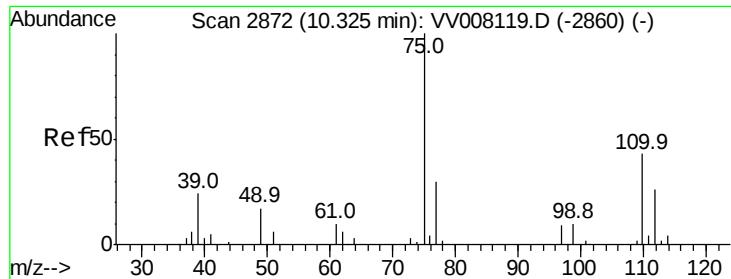
85 67.3 45.1 83.7

131 10.8 8.8 13.2



Abundance Ion 82.95 (82.65 to 83.65): VV0
Ion 85.00 (84.70 to 85.70): VV0
Ion 130.95 (130.65 to 131.65): V

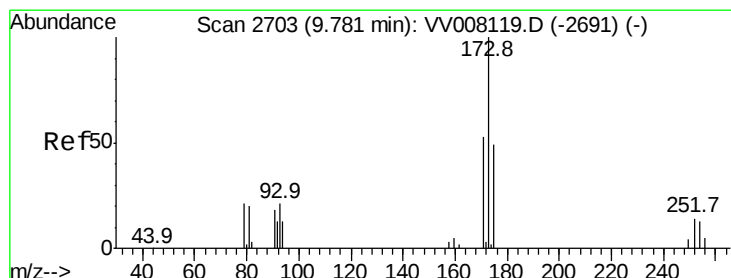
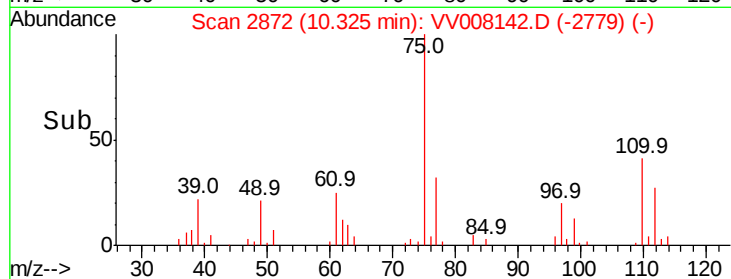
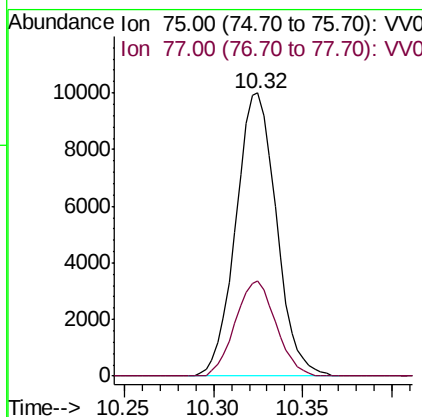
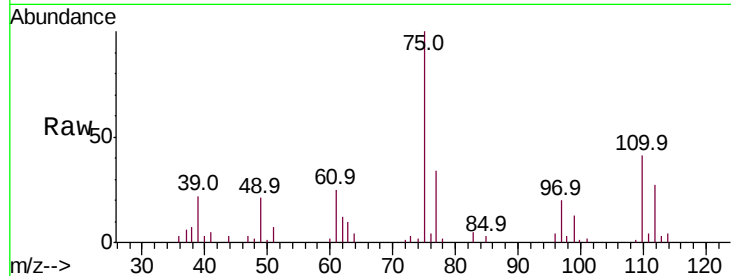




#59
 1,2,3-Trichloropropane
 Concen: 5.423 ug/L
 RT: 10.32 min Scan# 2872
 Delta R.T. -0.00 min
 Lab File: VV008142.D
 Acq: 06 Oct 2018 11:27

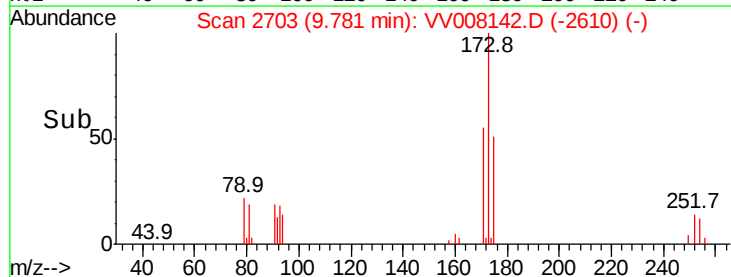
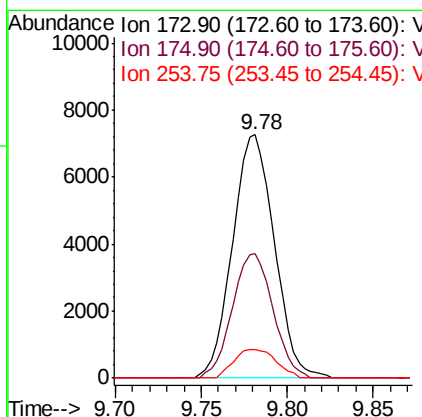
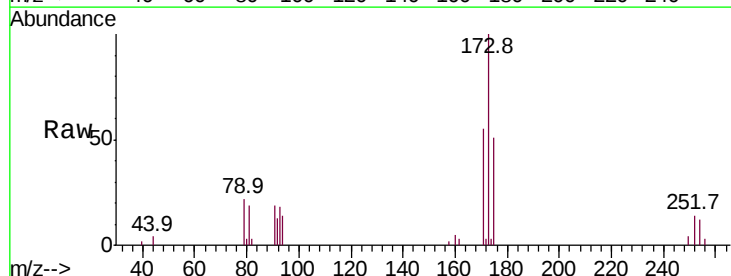
Instrument :
 MSVOA_V
 ClientSampled :

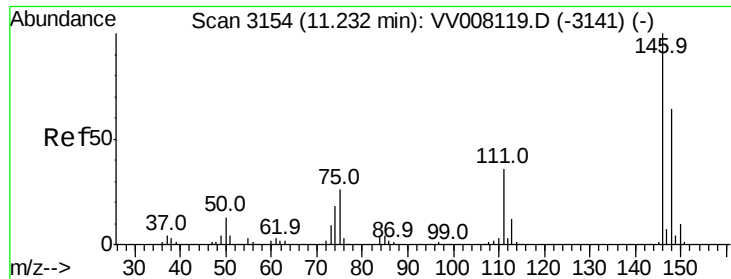
Tot Ion: 75 Resp: 15850
 Ion Ratio Lower Upper
 75 100
 77 33.6 27.8 41.6



#61
 Bromoform
 Concen: 5.250 ug/L
 RT: 9.78 min Scan# 2703
 Delta R.T. -0.00 min
 Lab File: VV008142.D
 Acq: 06 Oct 2018 11:27

Tgt Ion:173 Resp: 12293
 Ion Ratio Lower Upper
 173 100
 175 49.7 39.8 59.8
 254 11.8 9.4 14.0





#62

1,3-Dichlorobenzene

Concen: 5.023 ug/L

RT: 11.23 min Scan# 3153

Delta R.T. -0.00 min

Lab File: VV008142.D

Acq: 06 Oct 2018 11:27

Instrument :

MSVOA_V

ClientSampleId :

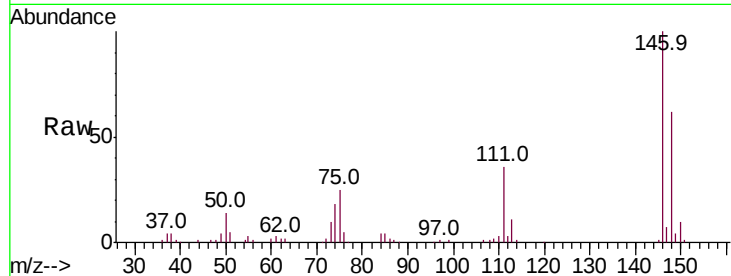
Tot Ion:146 Resp: 56863

Ion Ratio Lower Upper

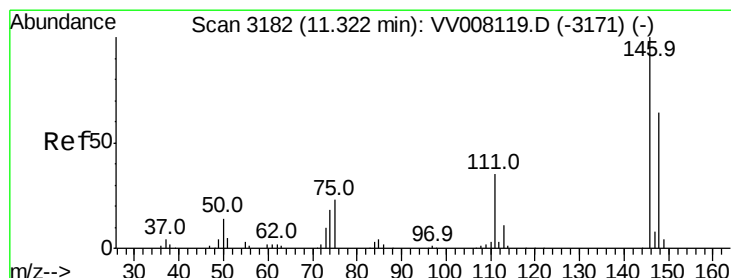
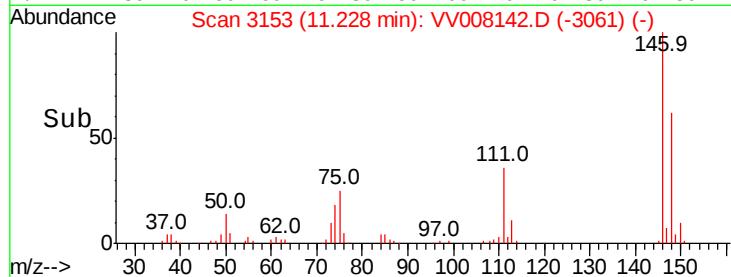
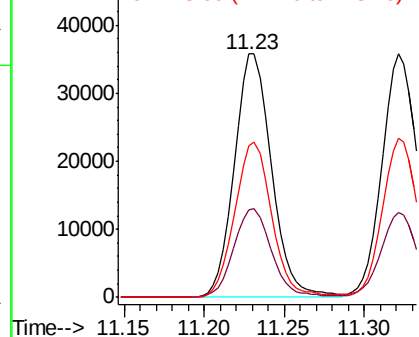
146 100

111 35.9 25.8 48.0

148 62.4 44.4 82.4



Abundance Ion 145.95 (145.65 to 146.65): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 5.016 ug/L

RT: 11.32 min Scan# 3182

Delta R.T. -0.00 min

Lab File: VV008142.D

Acq: 06 Oct 2018 11:27

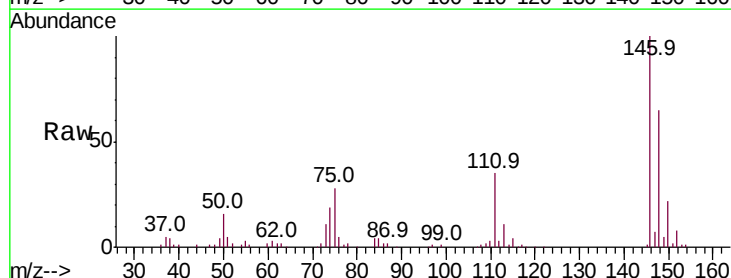
Tgt Ion:146 Resp: 57890

Ion Ratio Lower Upper

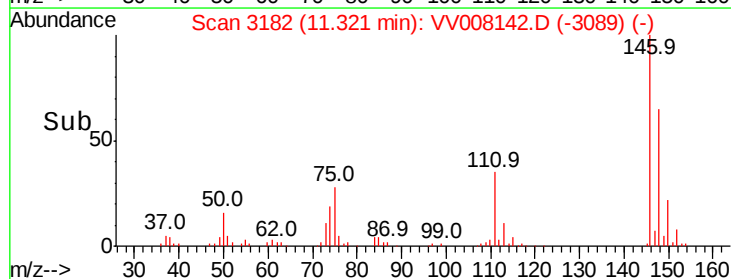
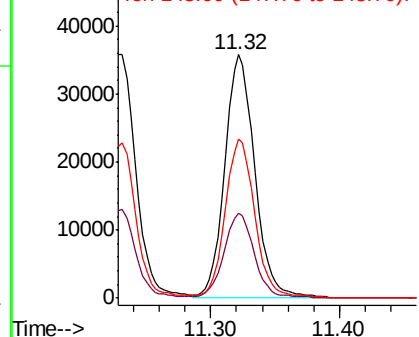
146 100

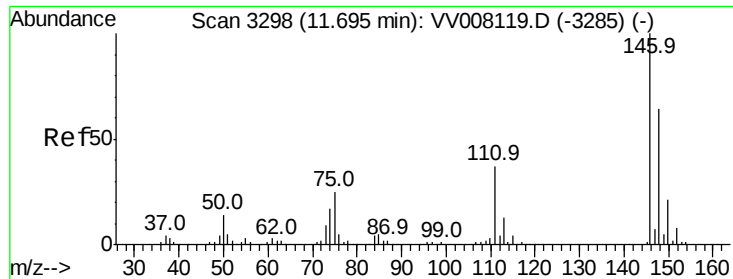
111 34.8 24.2 45.0

148 65.3 44.0 81.6



Abundance Ion 145.95 (145.65 to 146.65): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 5.178 ug/L

RT: 11.69 min Scan# 3298

Delta R.T. -0.00 min

Lab File: VV008142.D

Acq: 06 Oct 2018 11:27

Instrument :

MSVOA_V

ClientSampled :

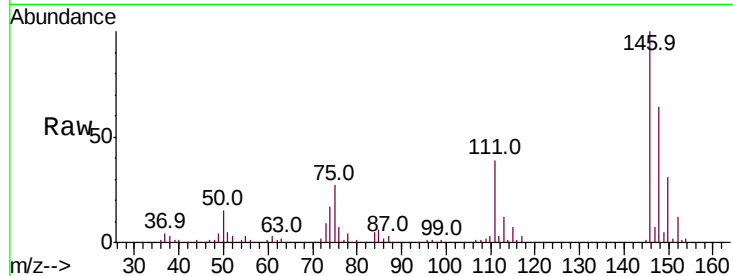
Tot Ion:146 Resp: 56638

Ion Ratio Lower Upper

146 100

111 39.0 31.8 47.6

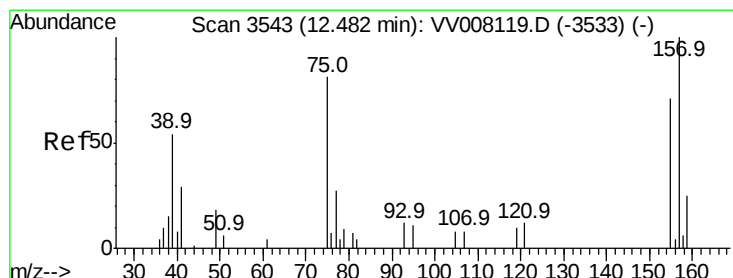
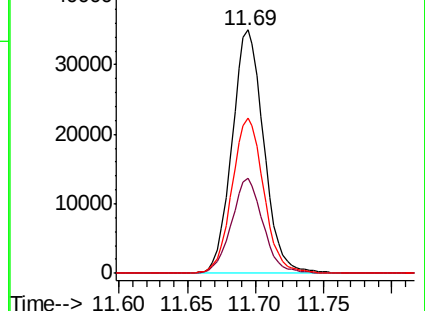
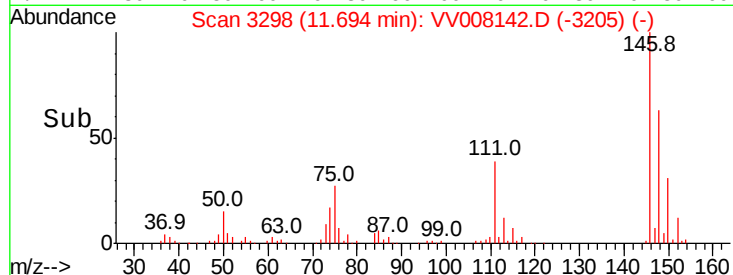
148 63.5 52.2 78.2



Abundance Ion 145.95 (145.65 to 146.65): 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: 5.238 ug/L

RT: 12.48 min Scan# 3543

Delta R.T. -0.00 min

Lab File: VV008142.D

Acq: 06 Oct 2018 11:27

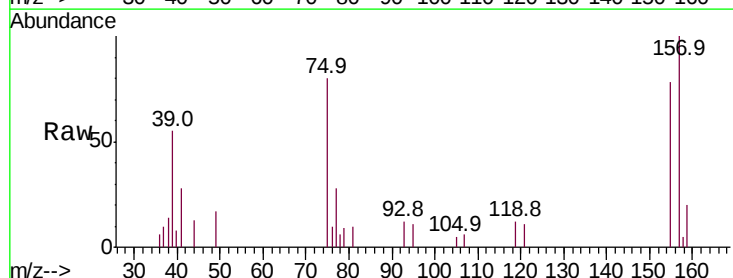
Tgt Ion: 75 Resp: 2992

Ion Ratio Lower Upper

75 100

155 96.9 74.7 112.1

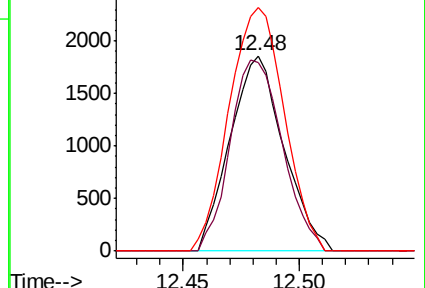
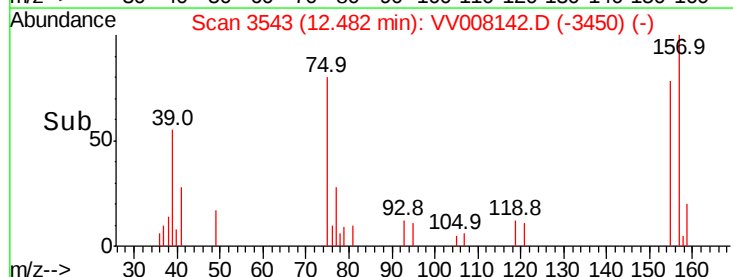
157 124.7 93.1 139.7

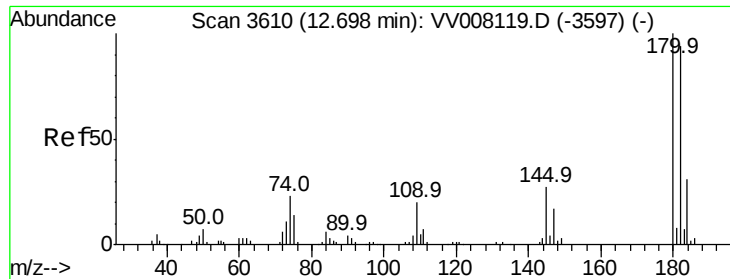


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

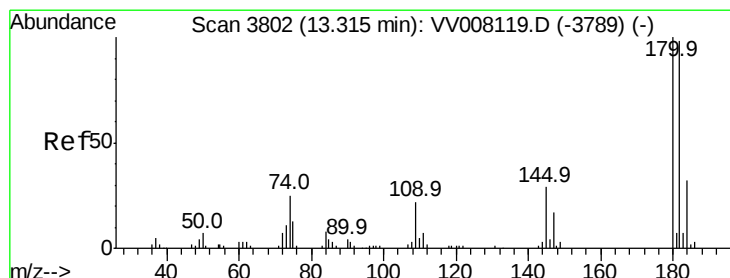
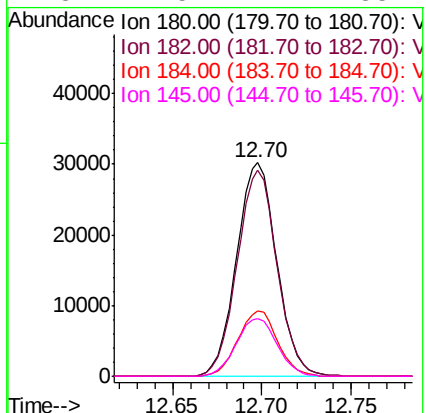
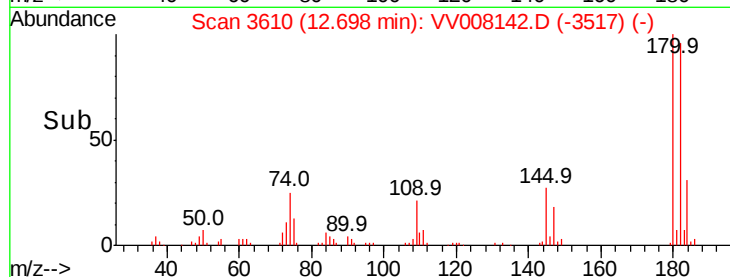
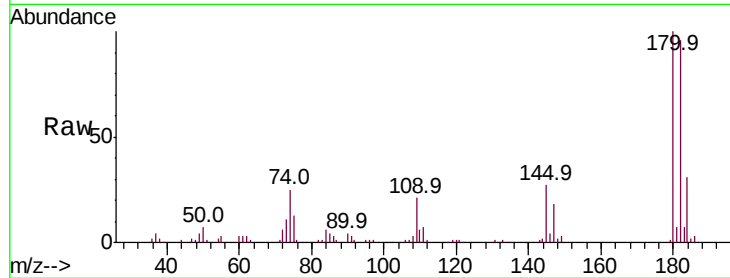




#67
 1,3,5-Trichlorobenzene
 Concen: 4.927 ug/L
 RT: 12.70 min Scan# 3610
 Delta R.T. -0.00 min
 Lab File: VV008142.D
 Acq: 06 Oct 2018 11:27

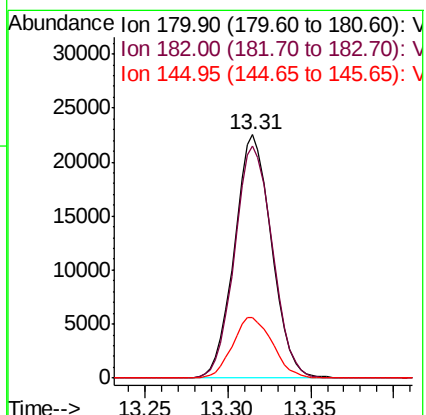
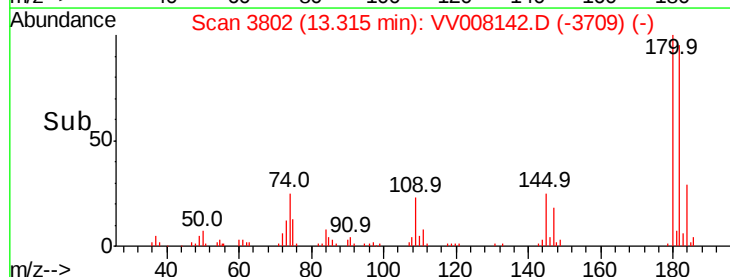
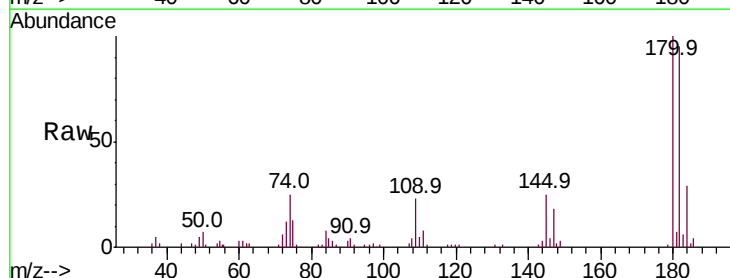
Instrument :
 MSVOA_V
 ClientSampleId :

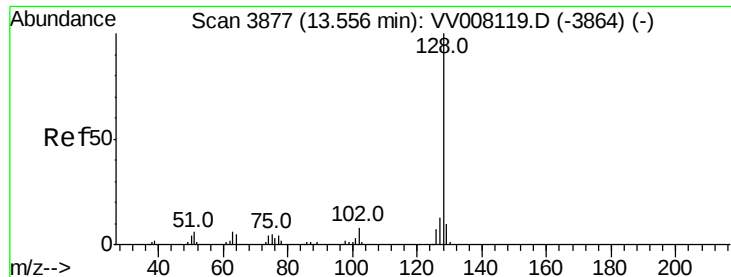
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.8	77.0	115.6
184	30.2	24.2	36.2
145	27.5	22.2	33.2



#68
 1,2,4-trichlorobenzene
 Concen: 4.875 ug/L
 RT: 13.31 min Scan# 3802
 Delta R.T. -0.00 min
 Lab File: VV008142.D
 Acq: 06 Oct 2018 11:27

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.1	76.6	114.8
145	26.7	22.1	33.1





#69

Naphthalene

Concen: 4.690 ug/L

RT: 13.56 min Scan# 3878

Delta R.T. 0.00 min

Lab File: VV008142.D

Acq: 06 Oct 2018 11:27

Instrument :

MSVOA_V

ClientSampleId :

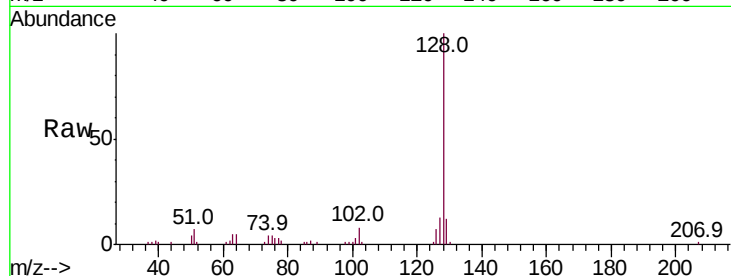
Tot Ion:128 Resp: 43088

Ion Ratio Lower Upper

128 100

129 11.3 8.5 12.7

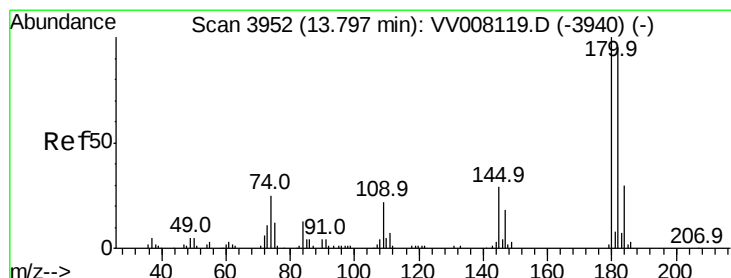
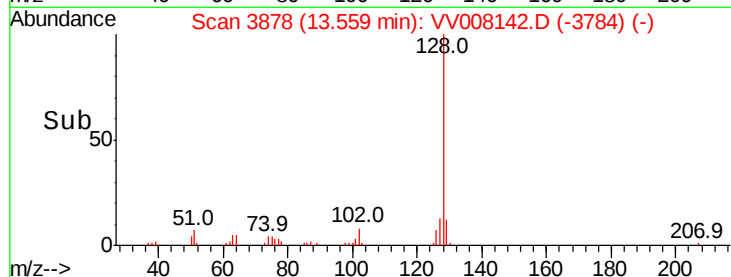
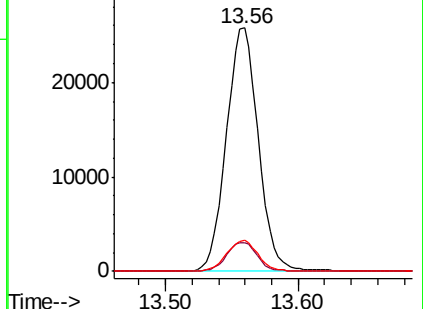
127 12.5 10.2 15.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 5.014 ug/L

RT: 13.80 min Scan# 3952

Delta R.T. -0.00 min

Lab File: VV008142.D

Acq: 06 Oct 2018 11:27

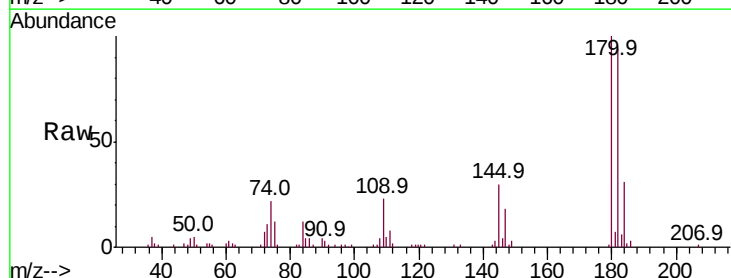
Tgt Ion:180 Resp: 34316

Ion Ratio Lower Upper

180 100

182 94.8 75.1 112.7

145 29.0 23.2 34.8



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

