

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV091719\
 Data File : VV012867.D
 Acq On : 17 Sep 2019 16:42
 Operator : SY/MD
 Sample : VSTD01031
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Sep 17 17:10:24 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR091719WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Sep 17 17:07:14 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	428111	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	411302	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	208689	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	410952	12.68	ug/L	0.00
7) Chloroethane-d5	1.58	69	325386	12.75	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	598364	11.52	ug/L	0.00
20) 2-Butanone-d5	3.97	46	934466	179.90	ug/L	0.00
24) Chloroform-d	4.40	84	669786	12.98	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	337283	13.84	ug/L	0.00
32) Benzene-d6	5.09	84	1400968	14.03	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	420811	13.78	ug/L	0.00
41) Toluene-d8	7.36	98	1299384	14.55	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.66	79	156020	15.45	ug/L	0.00
46) 2-Hexanone-d5	8.13	63	741169	221.55	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.26	84	321776	17.39	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.67	152	446302	13.74	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	294717	9.551 ug/L	100
3) Chloromethane	1.26	50	272293	8.735 ug/L	97
5) Vinyl chloride	1.32	62	317981	9.103 ug/L	99
6) Bromomethane	1.53	94	153386	8.609 ug/L	99
8) Chloroethane	1.60	64	166371	8.837 ug/L	99
9) Trichlorofluoromethane	1.77	101	388776	9.096 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	233194	9.221 ug/L	99
12) 1,1-Dichloroethene	2.14	96	208258	8.948 ug/L	94
13) Acetone	2.24	43	427910	126.783 ug/L	# 49
14) Carbon disulfide	2.31	76	433502	8.764 ug/L	99
15) Methyl Acetate	2.47	43	120840	12.012 ug/L	# 92
16) Methylene chloride	2.53	84	240178	8.656 ug/L	98
17) Methyl tert-butyl Ether	2.81	73	617092	9.981 ug/L	99
18) trans-1,2-Dichloroethene	2.78	96	232317	9.173 ug/L	99
19) 1,1-Dichloroethane	3.23	63	484240	9.224 ug/L	100
21) 2-Butanone	4.05	43	834498	133.420 ug/L	97
22) cis-1,2-Dichloroethene	3.96	96	276937	9.801 ug/L	98
23) Bromochloromethane	4.30	128	118939	9.717 ug/L	97
25) Chloroform	4.42	83	516890	8.799 ug/L	98
27) 1,2-Dichloroethane	5.18	62	299098	9.765 ug/L	100
29) 1,1,1-Trichloroethane	4.65	97	404226	9.581 ug/L	99
30) Cyclohexane	4.72	56	366875	10.325 ug/L	98
31) Carbon tetrachloride	4.87	117	342757	9.602 ug/L	98
33) Benzene	5.14	78	1056387	10.167 ug/L	100
34) Trichloroethene	5.95	95	262183	8.994 ug/L	99
35) Methylcyclohexane	6.17	83	388123	10.683 ug/L	100
37) 1,2-Dichloropropane	6.22	63	288355	10.252 ug/L	99
38) Bromodichloromethane	6.55	83	357284	9.830 ug/L	99
39) cis-1,3-Dichloropropene	7.07	75	393545	11.199 ug/L	98
40) 4-Methyl-2-pentanone	7.28	43	2022327	125.190 ug/L	99

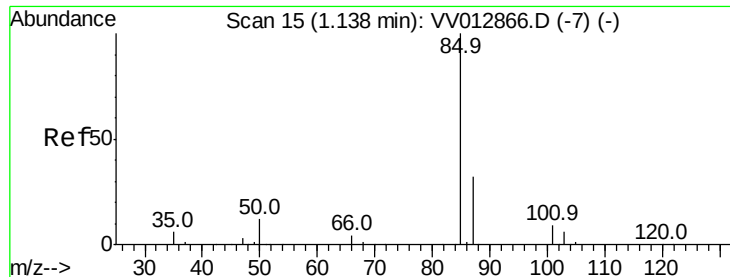
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV091719\
 Data File : VV012867.D
 Acq On : 17 Sep 2019 16:42
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Quant Time: Sep 17 17:10:24 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR091719WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Sep 17 17:07:14 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.43	91	1130458	10.623	ug/L	99
44) trans-1,3-Dichloropropene	7.69	75	315950	11.286	ug/L	100
45) 1,1,2-Trichloroethane	7.88	97	207391	10.290	ug/L	99
47) Tetrachloroethene	8.02	164	215205	9.919	ug/L	98
48) 2-Hexanone	8.19	43	1468109	120.287	ug/L	100
49) Dibromochloromethane	8.29	129	243978	10.623	ug/L	98
50) 1,2-Dibromoethane	8.40	107	177801	10.573	ug/L	96
51) Chlorobenzene	8.92	112	739757	10.094	ug/L	99
52) Ethylbenzene	9.05	91	1258680	11.087	ug/L	99
53) m,p-xylene	9.18	106	474574	11.264	ug/L	99
54) o-xylene	9.59	106	467509	11.399	ug/L	99
55) Styrene	9.60	104	835347	11.992	ug/L	99
56) Isopropylbenzene	9.97	105	1269405	11.530	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.28	83	267033	13.181	ug/L	98
59) 1,2,3-Trichloropropane	10.32	75	184825	10.891	ug/L	99
61) Bromoform	9.77	173	134149	10.088	ug/L	99
62) 1,3-Dichlorobenzene	11.22	146	607965	10.179	ug/L	99
63) 1,4-Dichlorobenzene	11.31	146	608580	9.818	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	590275	10.142	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.47	75	37837	12.507	ug/L	97
67) 1,3,5-Trichlorobenzene	12.69	180	472144	10.198	ug/L	100
68) 1,2,4-trichlorobenzene	13.31	180	388765	11.088	ug/L	99
69) Naphthalene	13.55	128	651816	12.807	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	387371	11.320	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 9.551 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV012867.D

Acq: 17 Sep 2019 16:42

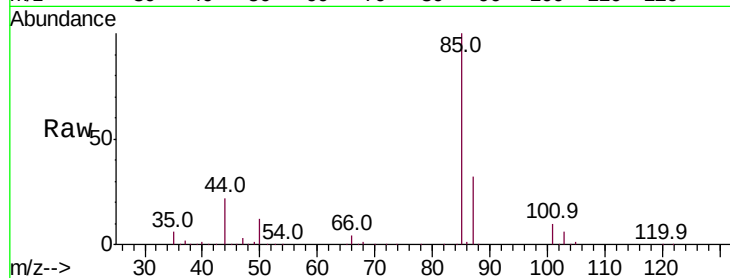
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 85 Resp: 294717

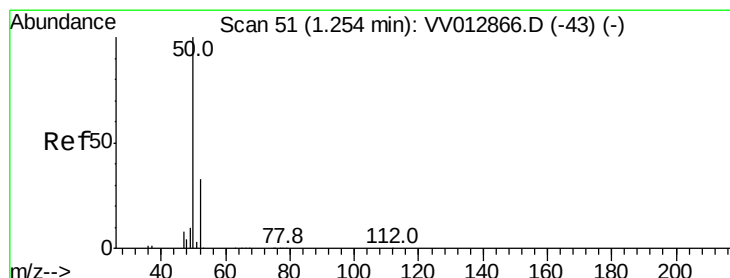
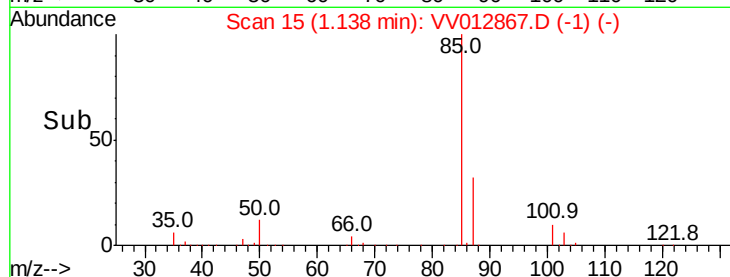
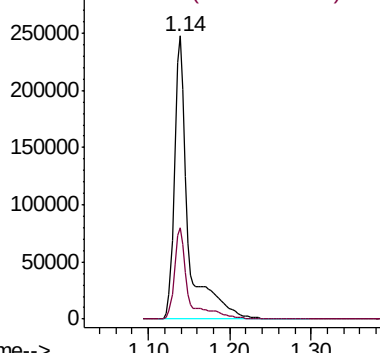
Ion Ratio Lower Upper

85 100

87 32.1 25.4 38.2



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



#3

Chloromethane

Concen: 8.735 ug/L

RT: 1.26 min Scan# 52

Delta R.T. 0.00 min

Lab File: VV012867.D

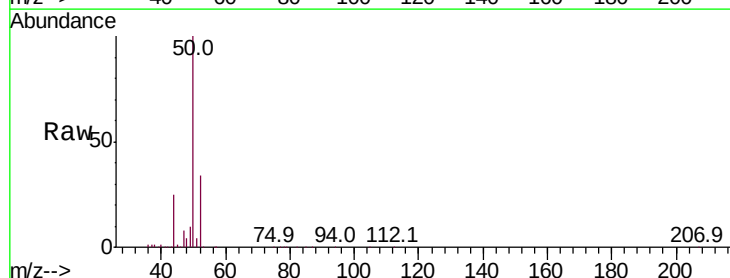
Acq: 17 Sep 2019 16:42

Tgt Ion: 50 Resp: 272293

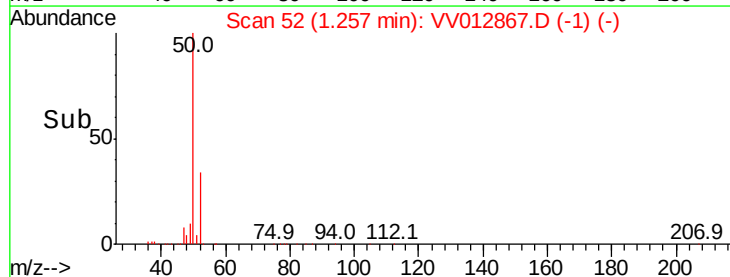
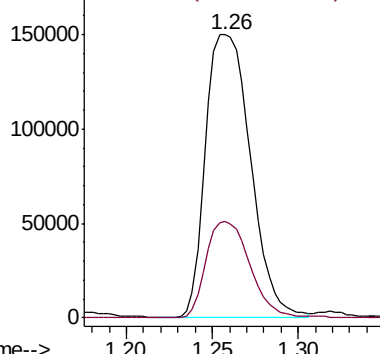
Ion Ratio Lower Upper

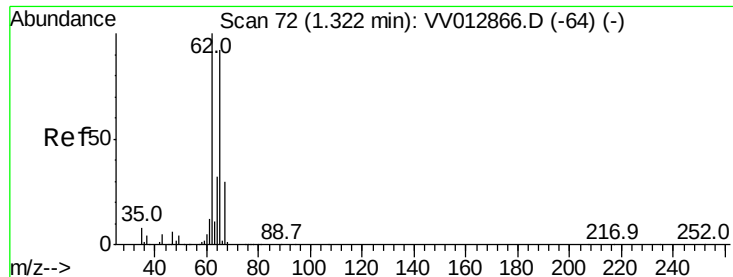
50 100

52 34.2 22.8 42.4



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





#5

Vinyl chloride

Concen: 9.103 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV012867.D

Acq: 17 Sep 2019 16:42

Instrument :

MSVOA_V

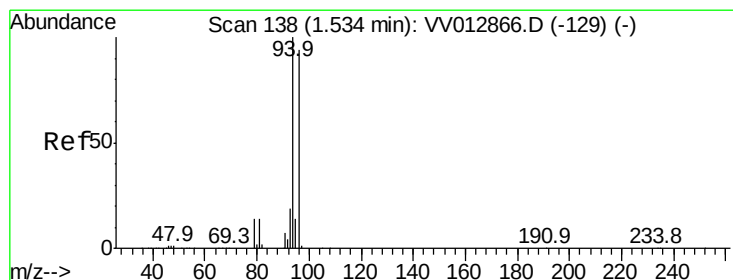
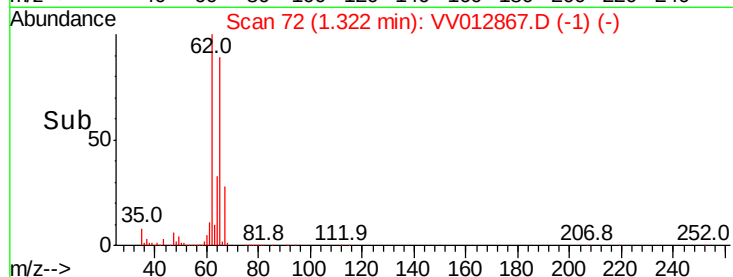
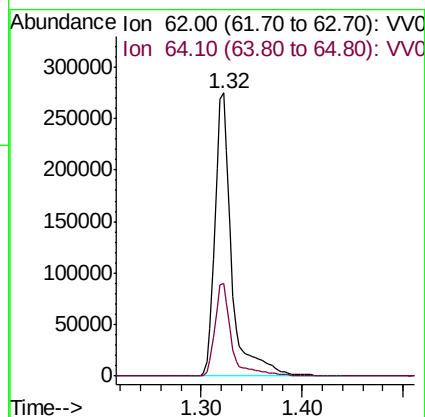
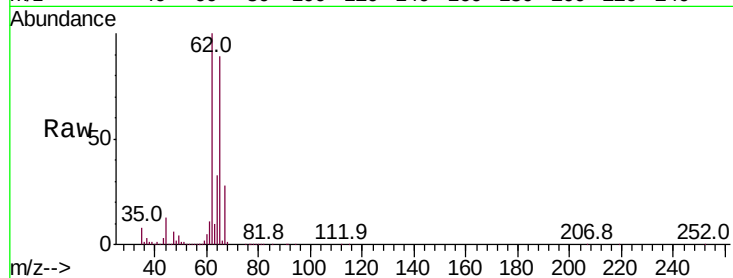
ClientSampleId :

Tot Ion: 62 Resp: 317981

Ion Ratio Lower Upper

62 100

64 32.8 22.5 41.7



#6

Bromomethane

Concen: 8.609 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV012867.D

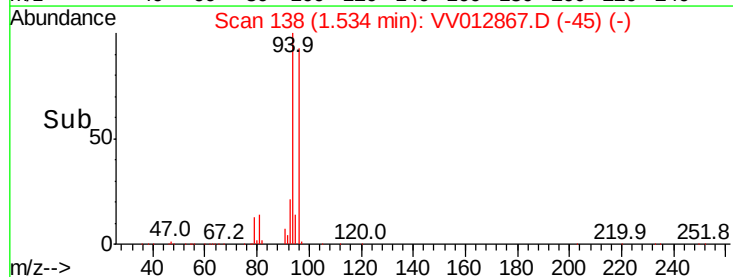
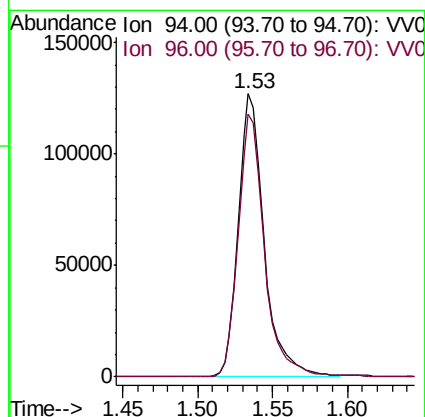
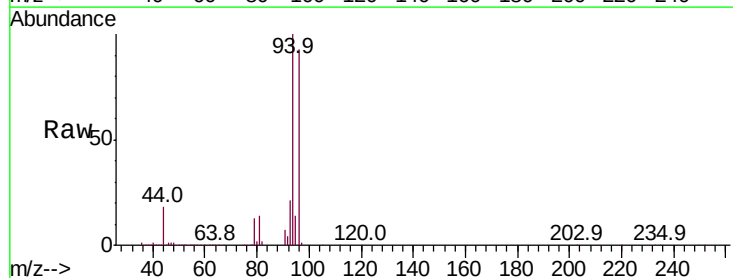
Acq: 17 Sep 2019 16:42

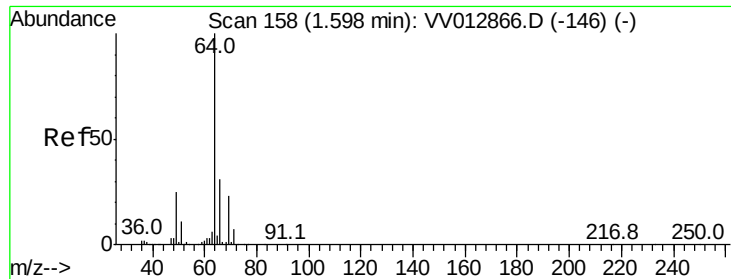
Tgt Ion: 94 Resp: 153386

Ion Ratio Lower Upper

94 100

96 92.8 65.6 121.8





#8

Chloroethane

Concen: 8.837 ug/L

RT: 1.60 min Scan# 158

Delta R.T. 0.00 min

Lab File: VV012867.D

Acq: 17 Sep 2019 16:42

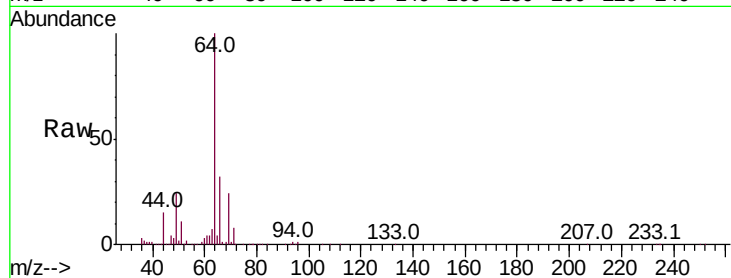
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 64 Resp: 166371

Ion Ratio Lower Upper

64 100

66 31.7 22.0 40.8



Abundance Ion 64.10 (63.80 to 64.80): VV012866.D (-146) (-)

Ion 66.05 (65.75 to 66.75): VV012866.D (-146) (-)

1.60

150000

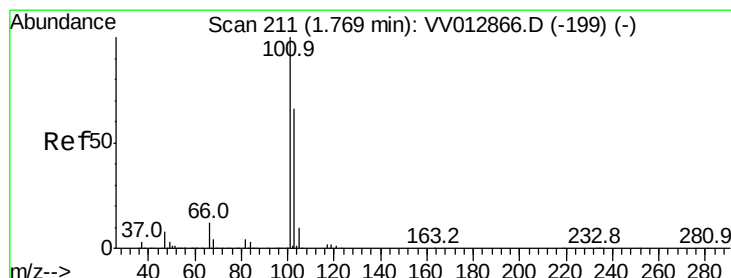
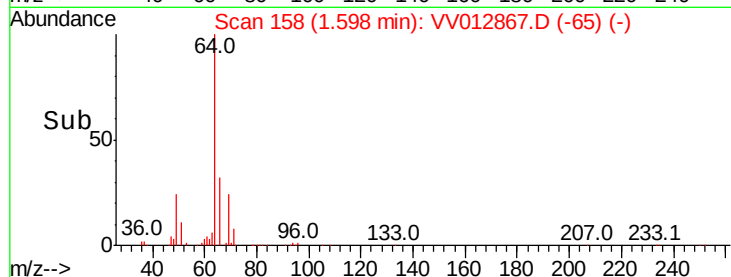
100000

50000

0

1.55 1.60 1.65 1.70

Time-->



#9

Trichlorofluoromethane

Concen: 9.096 ug/L

RT: 1.77 min Scan# 211

Delta R.T. 0.00 min

Lab File: VV012867.D

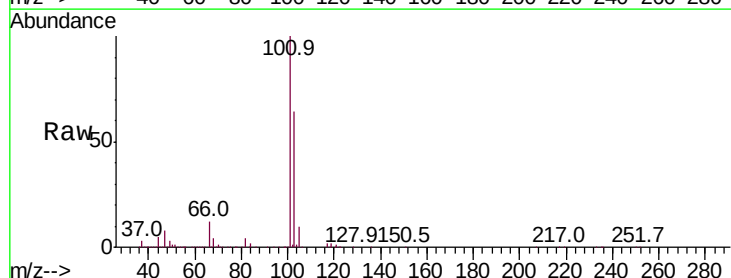
Acq: 17 Sep 2019 16:42

Tgt Ion: 101 Resp: 388776

Ion Ratio Lower Upper

101 100

103 64.6 52.3 78.5



Abundance Ion 101.00 (100.70 to 101.70): VV012866.D (-199) (-)

Ion 103.00 (102.70 to 103.70): VV012866.D (-199) (-)

1.77

300000

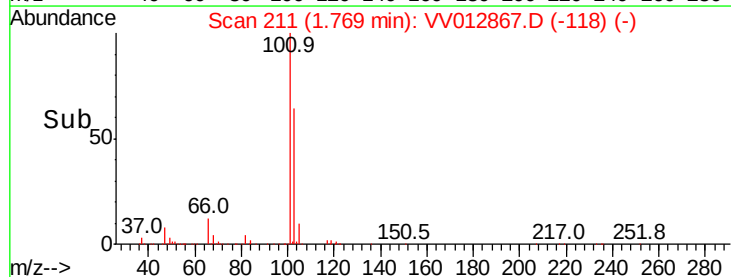
200000

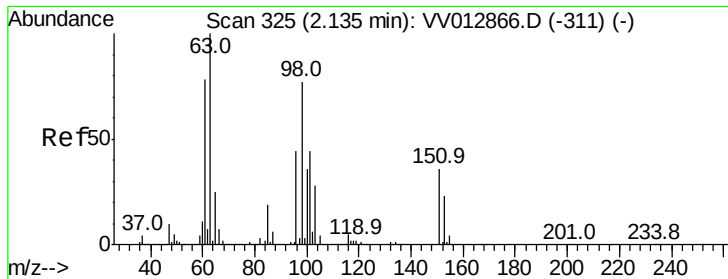
100000

0

1.70 1.75 1.80 1.85

Time-->





#10

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

Concen: 9.221 ug/L

RT: 2.14 min Scan# 325

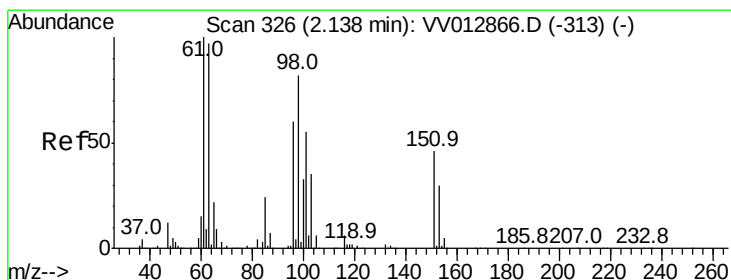
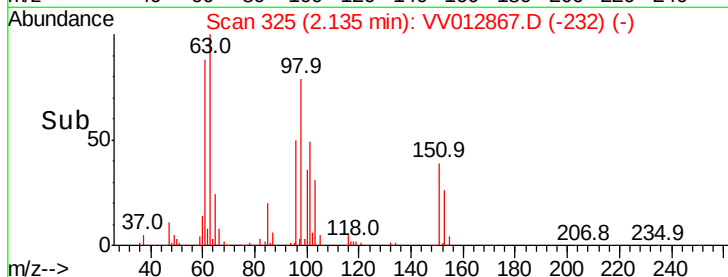
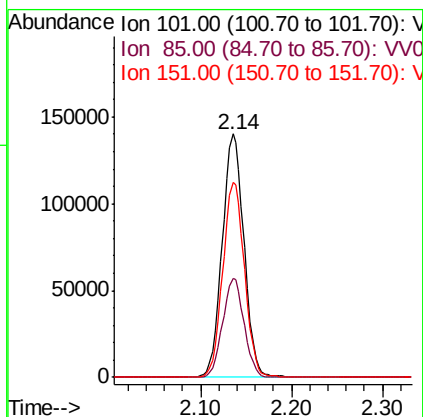
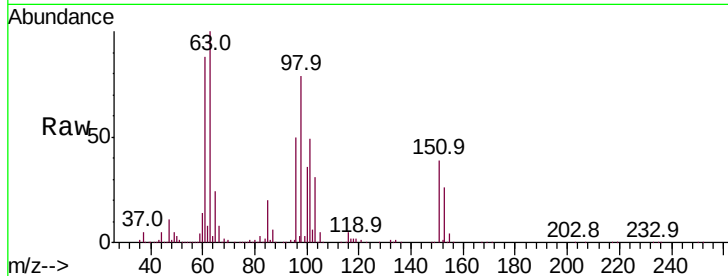
Delta R.T. 0.00 min

Lab File: VV012867.D

Acq: 17 Sep 2019 16:42

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:	101	Resp:	233194
Ion	Ratio	Lower	Upper
101	100		
85	39.9	33.5	50.3
151	79.7	64.0	96.0



#12

1,1-Dichloroethene

Concen: 8.948 ug/L

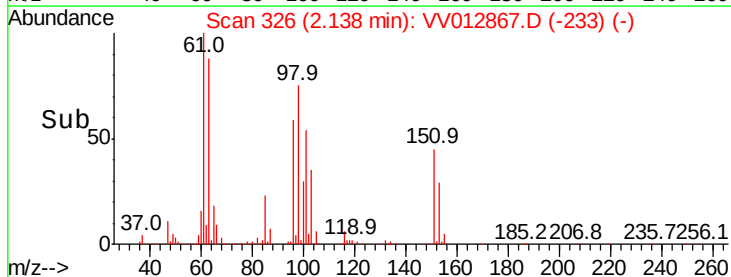
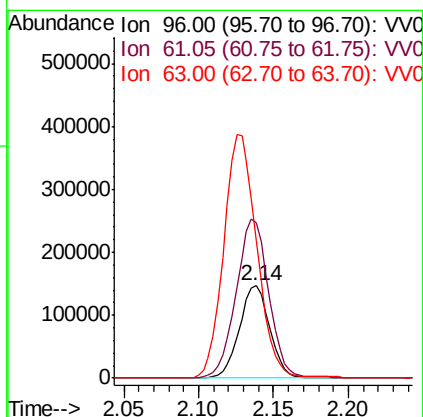
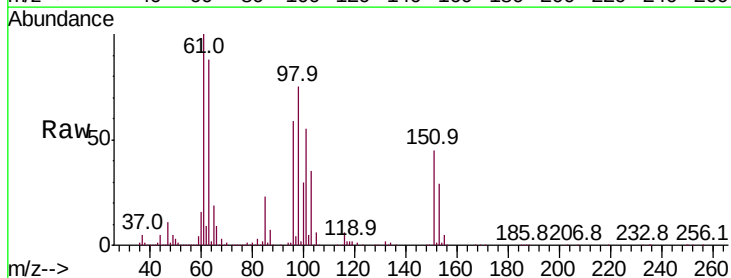
RT: 2.14 min Scan# 326

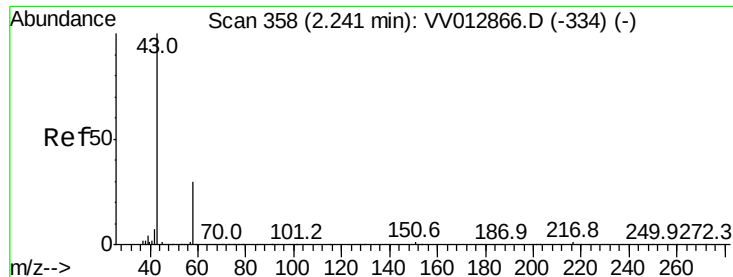
Delta R.T. 0.00 min

Lab File: VV012867.D

Acq: 17 Sep 2019 16:42

Tgt Ion:	96	Resp:	208258
Ion	Ratio	Lower	Upper
96	100		
61	168.3	116.1	215.5
63	148.1	113.3	210.3





#13

Acetone

Concen: 126.783 ug/L

RT: 2.24 min Scan# 357

Delta R.T. -0.00 min

Lab File: VV012867.D

Acq: 17 Sep 2019 16:42

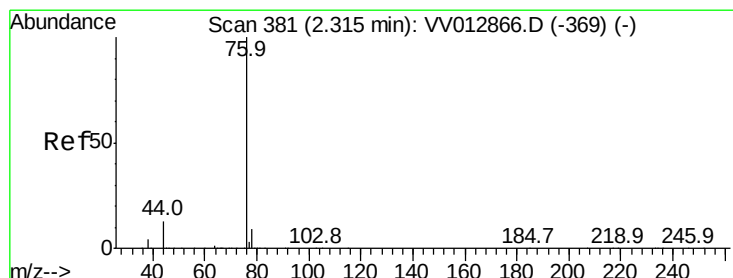
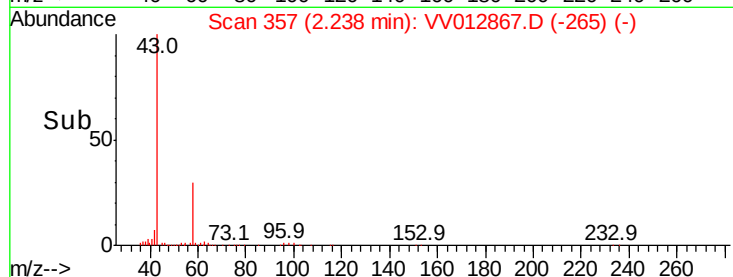
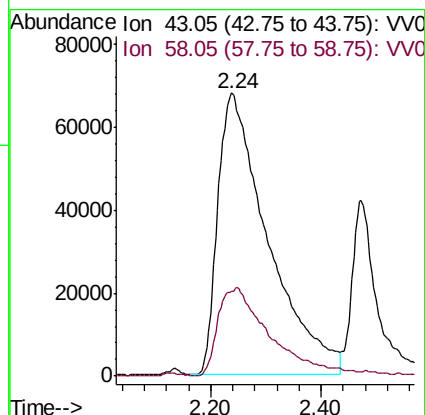
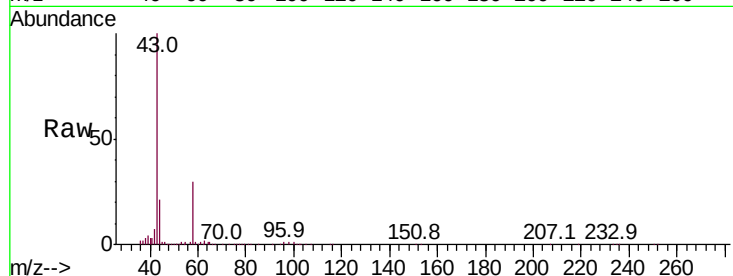
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 427910

Ion Ratio Lower Upper

43 100

58 32.0 0.0 24.4#



#14

Carbon disulfide

Concen: 8.764 ug/L

RT: 2.31 min Scan# 380

Delta R.T. -0.00 min

Lab File: VV012867.D

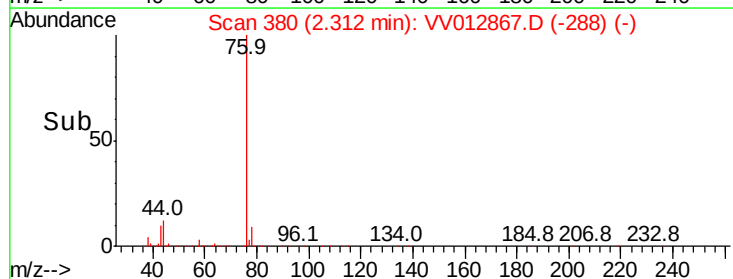
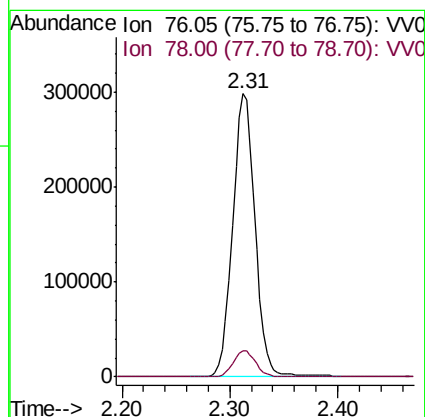
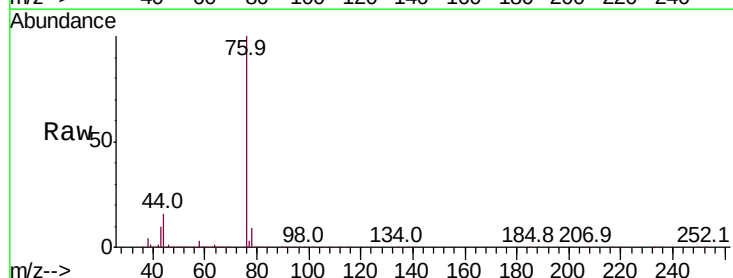
Acq: 17 Sep 2019 16:42

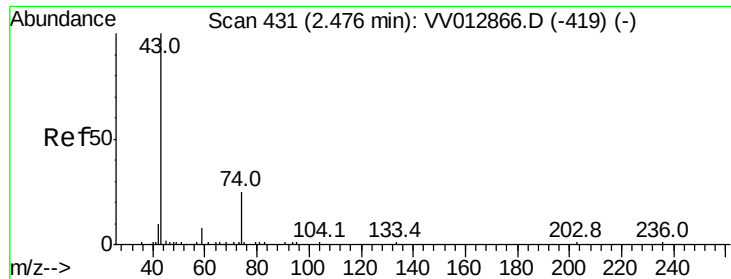
Tgt Ion: 76 Resp: 433502

Ion Ratio Lower Upper

76 100

78 9.3 7.6 11.4





#15

Methvl Acetate

Concen: 12.012 ug/L

RT: 2.47 min Scan# 430

Delta R.T. -0.00 min

Lab File: VV012867.D

Acq: 17 Sep 2019 16:42

Instrument :

MSVOA_V

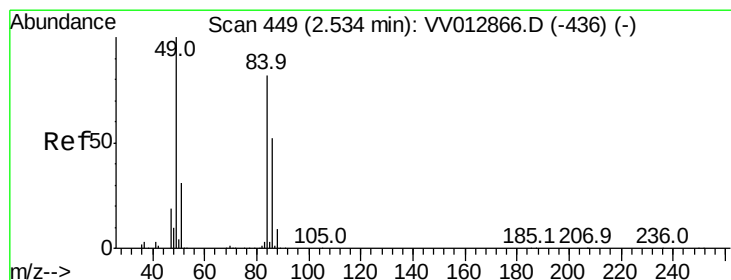
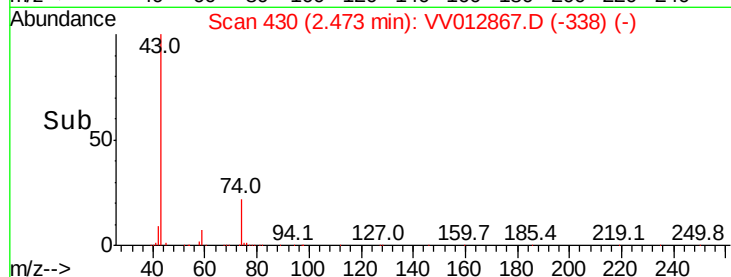
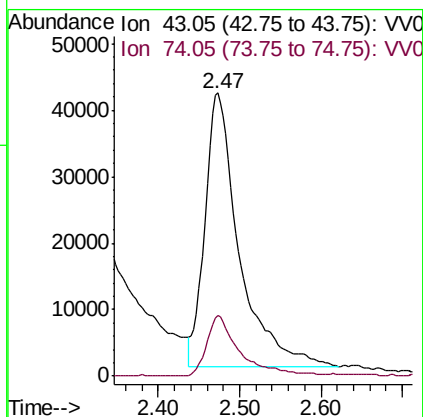
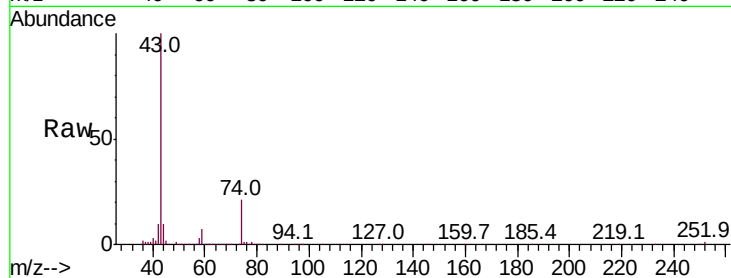
ClientSampleId :

Tot Ion: 43 Resp: 120840

Ion Ratio Lower Upper

43 100

74 21.2 14.1 21.1#



#16

Methylene chloride

Concen: 8.656 ug/L

RT: 2.53 min Scan# 448

Delta R.T. -0.00 min

Lab File: VV012867.D

Acq: 17 Sep 2019 16:42

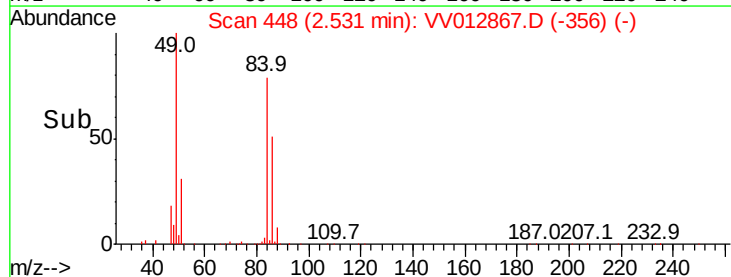
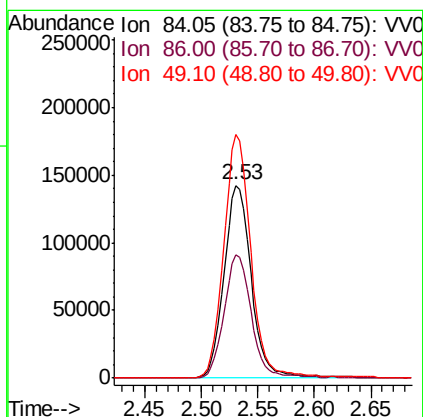
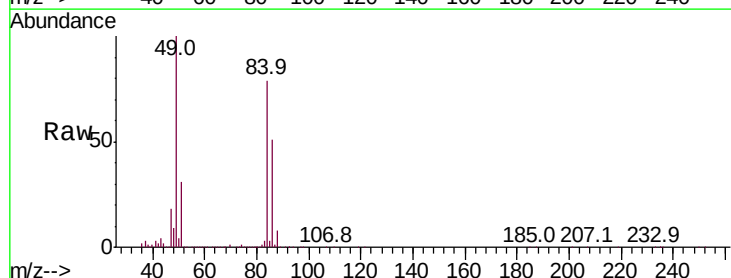
Tgt Ion: 84 Resp: 240178

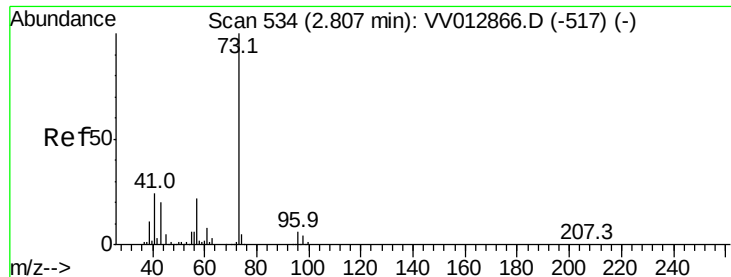
Ion Ratio Lower Upper

84 100

86 64.0 44.8 83.2

49 126.4 85.9 159.5





#17

Methyl tert-butyl Ether

Concen: 9.981 ug/L

RT: 2.81 min Scan# 534

Delta R.T. 0.00 min

Lab File: VV012867.D

Acq: 17 Sep 2019 16:42

Instrument :

MSVOA_V

ClientSampleId :

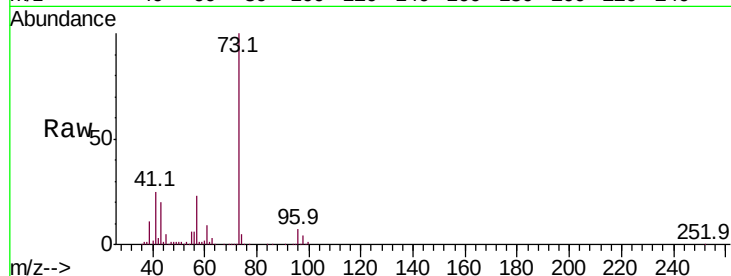
Tot Ion: 73 Resp: 617092

Ion Ratio Lower Upper

73 100

43 19.0 15.0 22.4

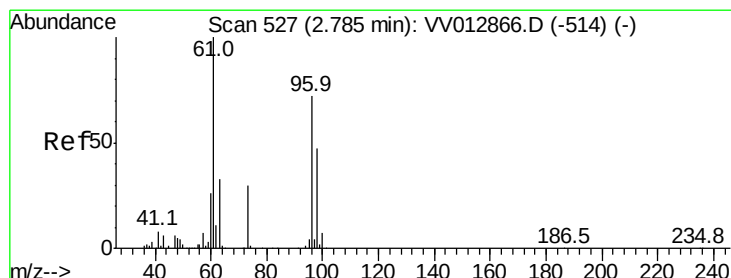
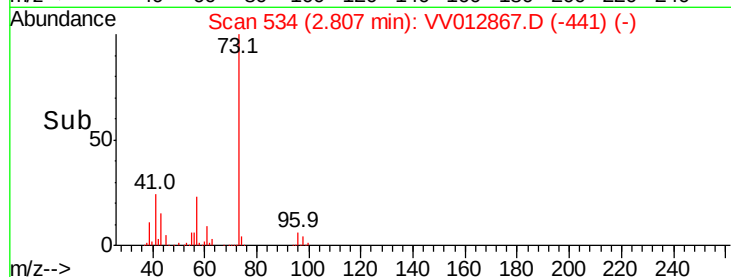
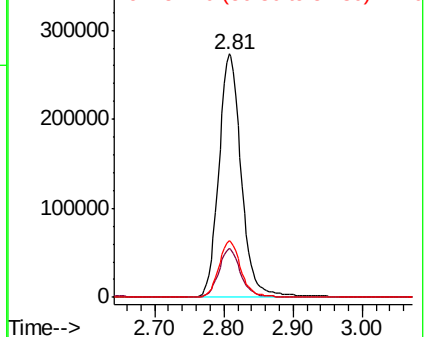
57 22.6 17.9 26.9



Abundance Ion 73.10 (72.80 to 73.80): VV0

Ion 43.05 (42.75 to 43.75): VV0

Ion 57.10 (56.80 to 57.80): VV0



#18

trans-1,2-Dichloroethene

Concen: 9.173 ug/L

RT: 2.78 min Scan# 527

Delta R.T. 0.00 min

Lab File: VV012867.D

Acq: 17 Sep 2019 16:42

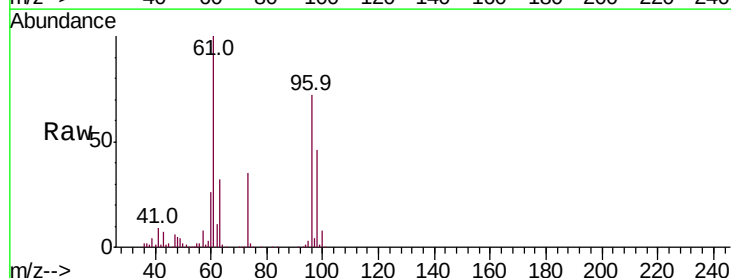
Tgt Ion: 96 Resp: 232317

Ion Ratio Lower Upper

96 100

61 138.0 96.8 179.8

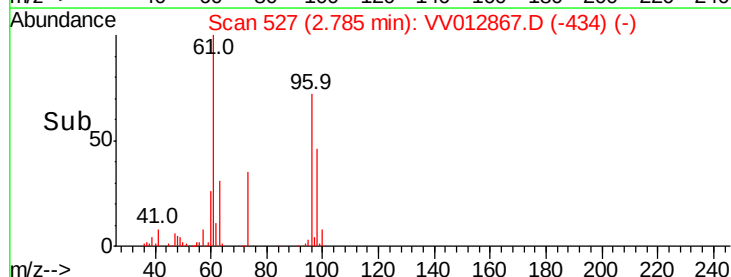
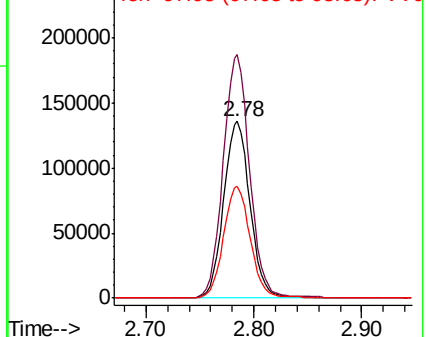
98 63.5 45.2 84.0

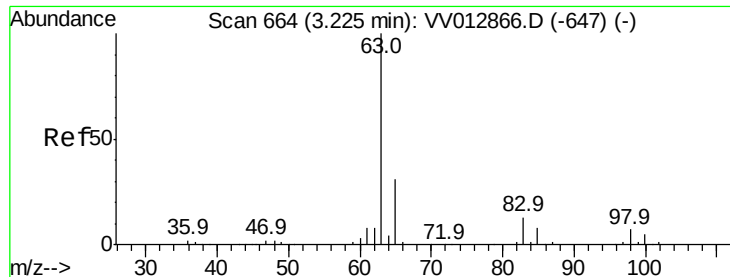


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 97.95 (97.65 to 98.65): VV0

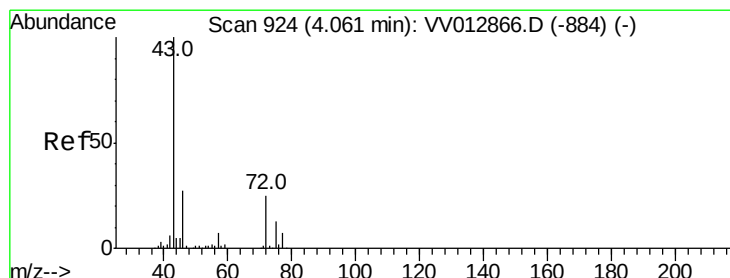
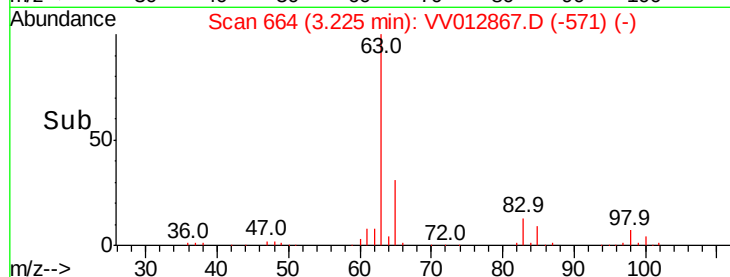
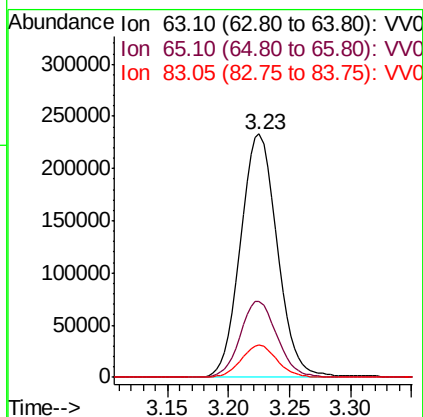
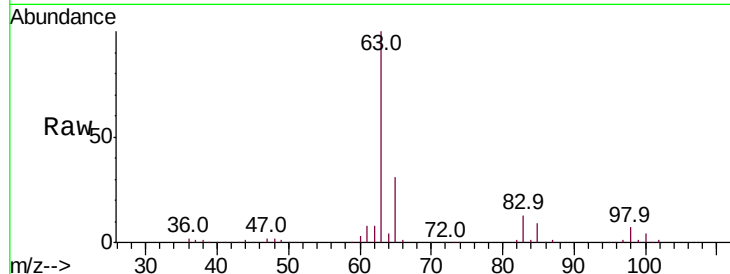




#19
 1,1-Dichloroethane
 Concen: 9.224 ug/L
 RT: 3.23 min Scan# 664
 Delta R.T. 0.00 min
 Lab File: VV012867.D
 Acq: 17 Sep 2019 16:42

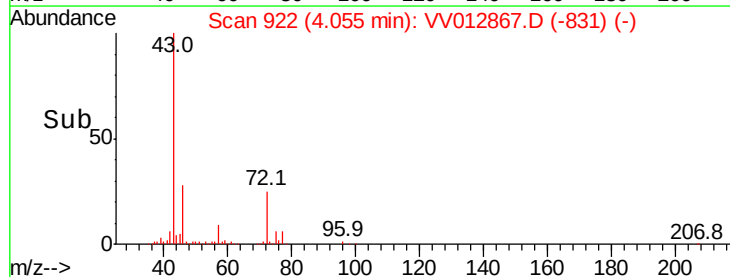
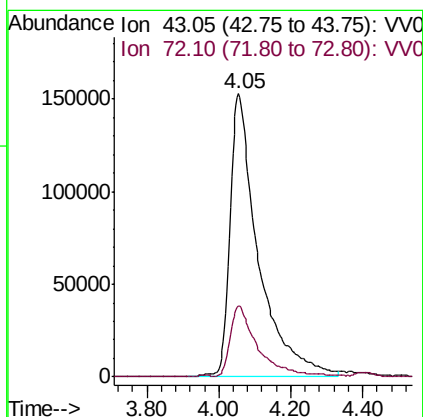
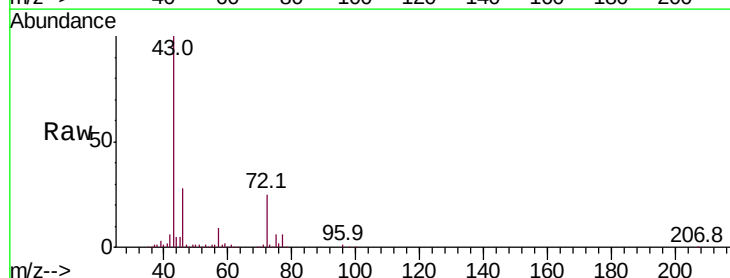
Instrument :
 MSVOA_V
 ClientSampleId :

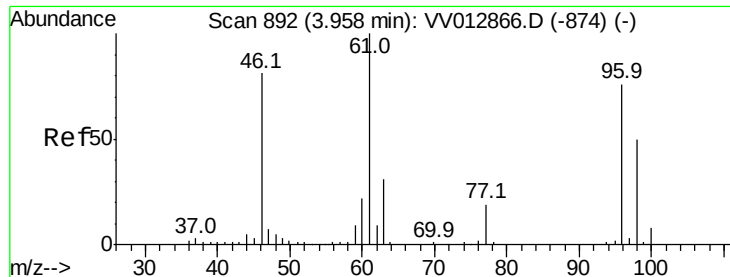
Tot Ion: 63 Resp: 484240
 Ion Ratio Lower Upper
 63 100
 65 31.3 22.0 41.0
 83 13.4 9.2 17.0



#21
 2-Butanone
 Concen: 133.420 ug/L
 RT: 4.05 min Scan# 922
 Delta R.T. -0.01 min
 Lab File: VV012867.D
 Acq: 17 Sep 2019 16:42

Tgt Ion: 43 Resp: 834498
 Ion Ratio Lower Upper
 43 100
 72 22.0 10.4 31.2



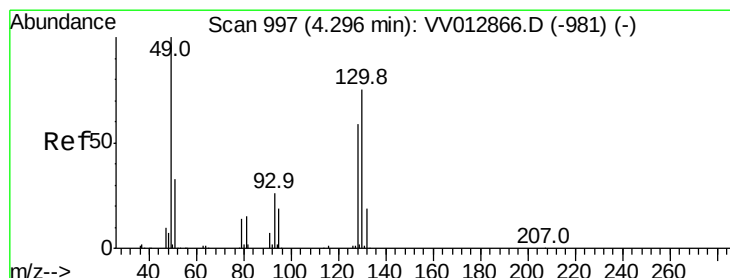
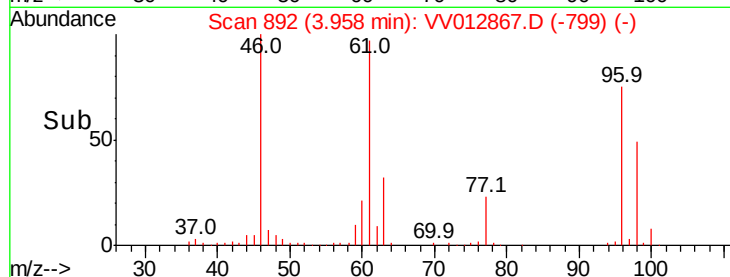
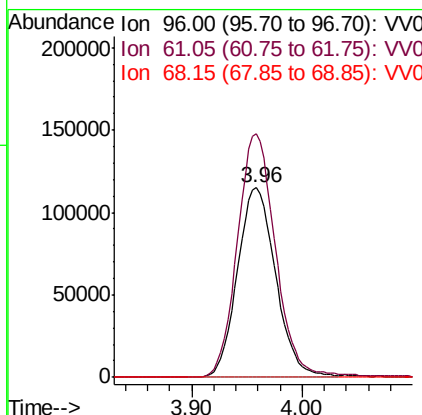
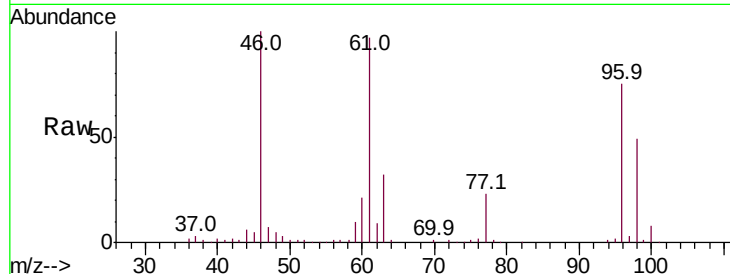


#22
 cis-1,2-Dichloroethene
 Concen: 9.801 ug/L
 RT: 3.96 min Scan# 892
 Delta R.T. 0.00 min
 Lab File: VV012867.D
 Acq: 17 Sep 2019 16:42

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 96 Resp: 276937

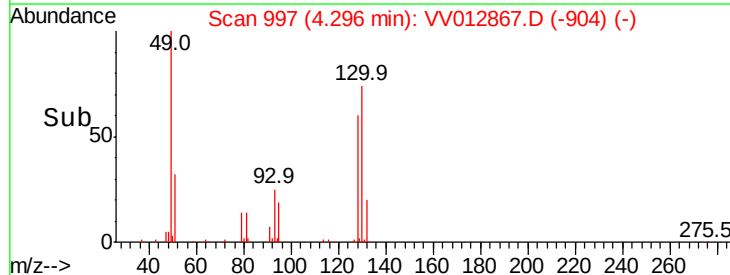
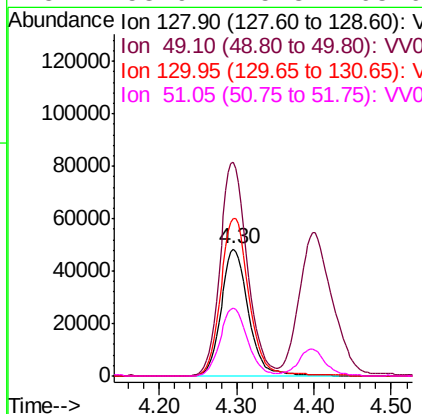
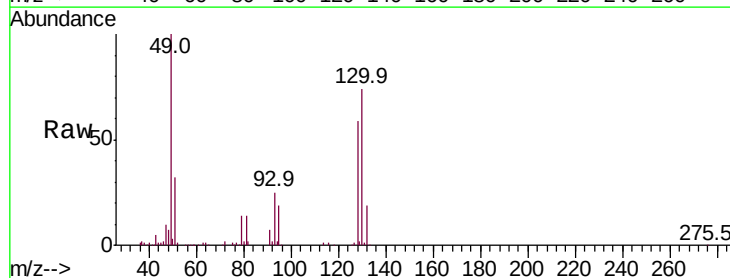
Ion	Ratio	Lower	Upper
96	100		
61	128.4	91.8	170.6
68	0.0	0.0	0.0

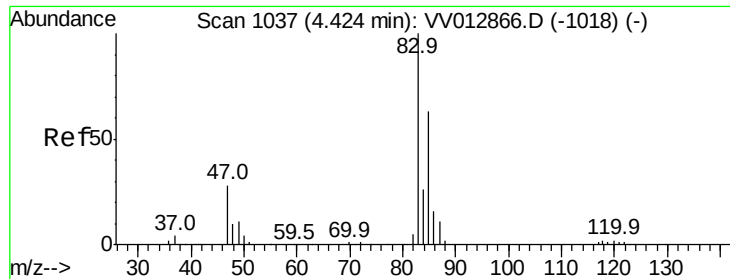


#23
 Bromochloromethane
 Concen: 9.717 ug/L
 RT: 4.30 min Scan# 997
 Delta R.T. 0.00 min
 Lab File: VV012867.D
 Acq: 17 Sep 2019 16:42

Tgt Ion: 128 Resp: 118939

Ion	Ratio	Lower	Upper
128	100		
49	168.6	119.6	222.0
130	124.1	89.8	166.8
51	53.9	45.8	68.6

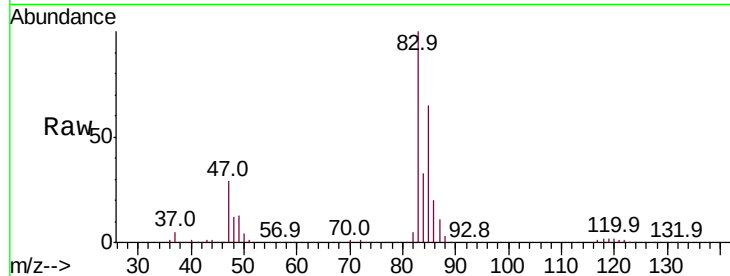




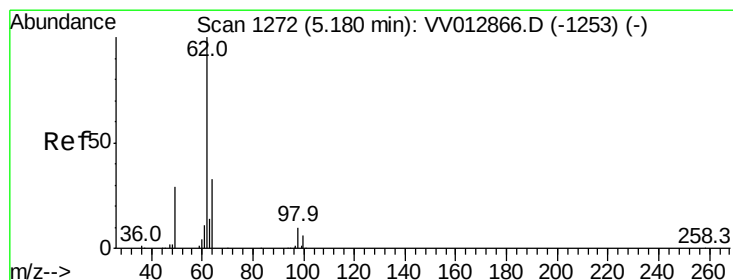
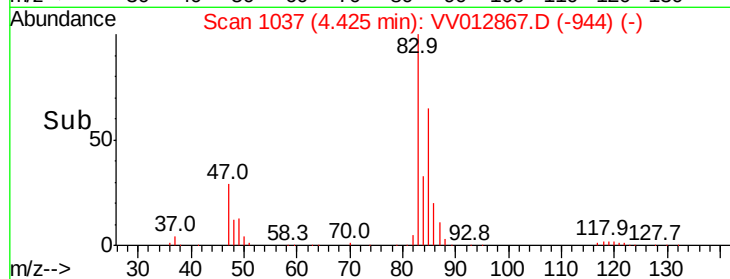
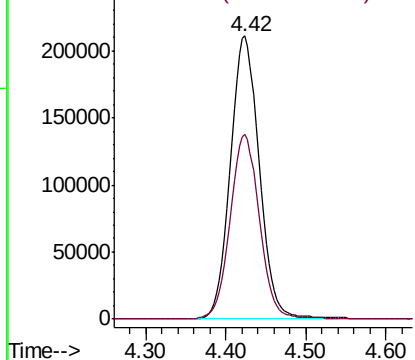
#25
Chloroform
Concen: 8.799 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. 0.00 min
Lab File: VV012867.D
Acq: 17 Sep 2019 16:42

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 83 Resp: 516890
Ion Ratio Lower Upper
83 100
85 65.4 44.4 82.5

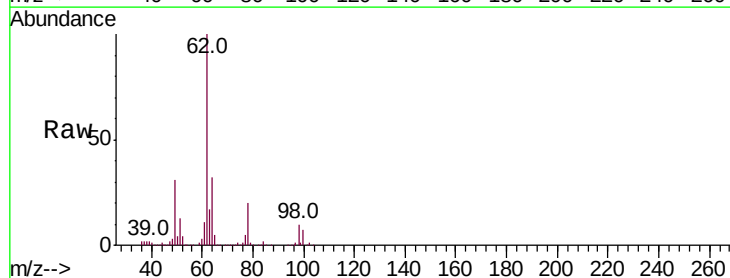


Abundance Ion 83.05 (82.75 to 83.75): VV0
Ion 85.00 (84.70 to 85.70): VV0

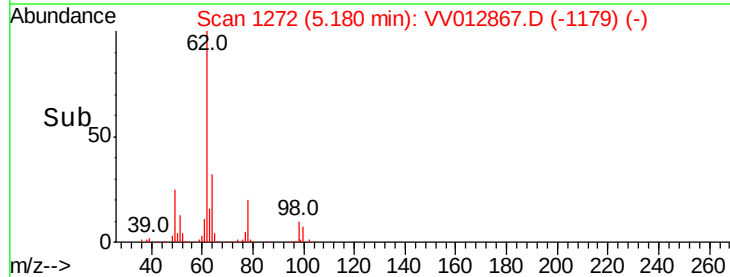
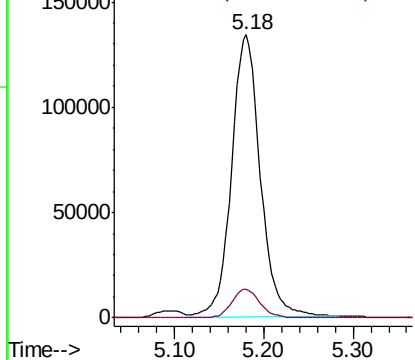


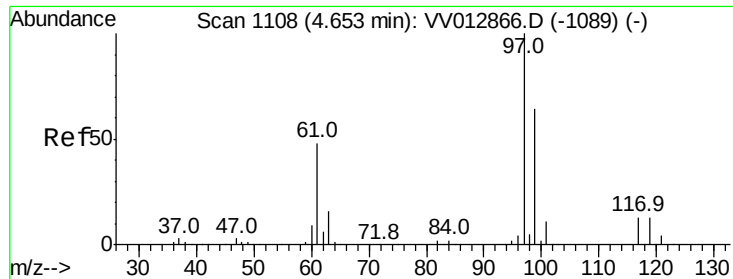
#27
1,2-Dichloroethane
Concen: 9.765 ug/L
RT: 5.18 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VV012867.D
Acq: 17 Sep 2019 16:42

Tgt Ion: 62 Resp: 299098
Ion Ratio Lower Upper
62 100
98 9.9 7.8 11.8



Abundance Ion 62.00 (61.70 to 62.70): VV0
Ion 98.05 (97.75 to 98.75): VV0

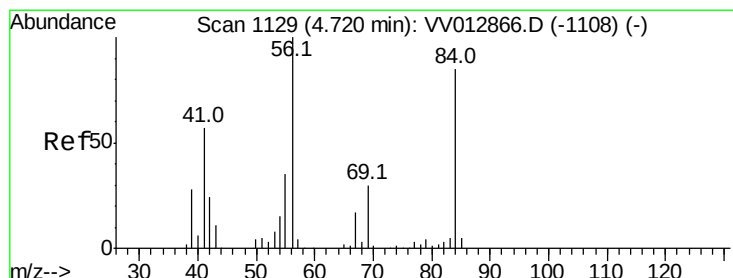
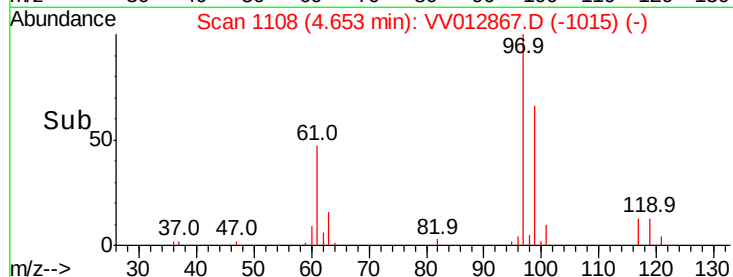
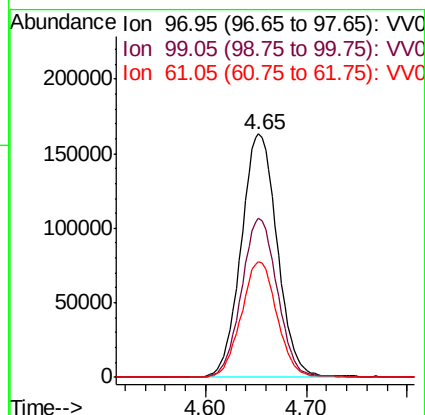
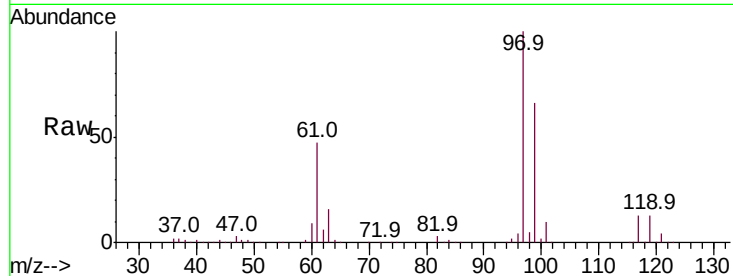




#29
 1,1,1-Trichloroethane
 Concen: 9.581 ug/L
 RT: 4.65 min Scan# 1108
 Delta R.T. 0.00 min
 Lab File: VV012867.D
 Acq: 17 Sep 2019 16:42

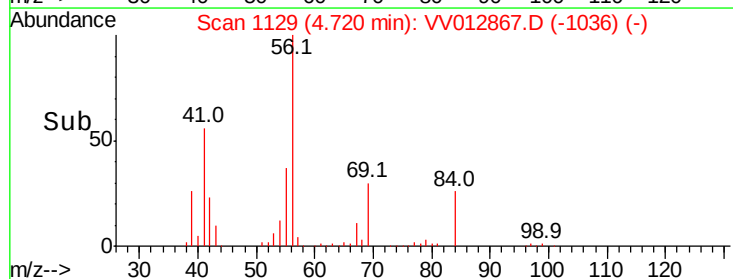
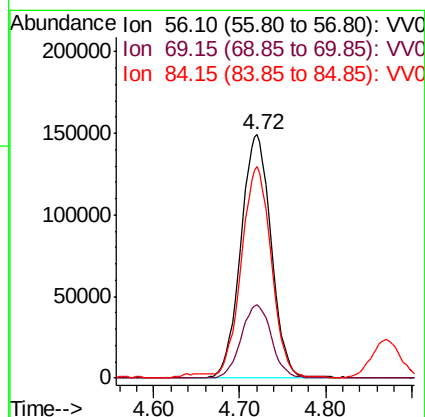
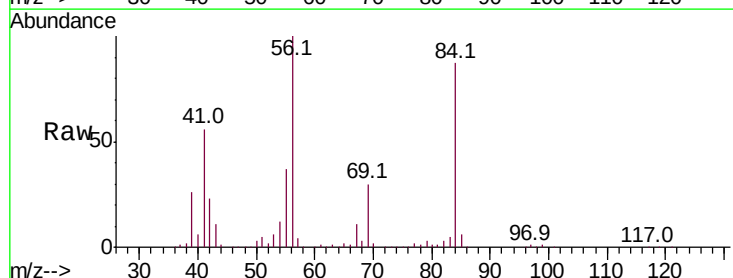
Instrument :
 MSVOA_V
 ClientSampled :

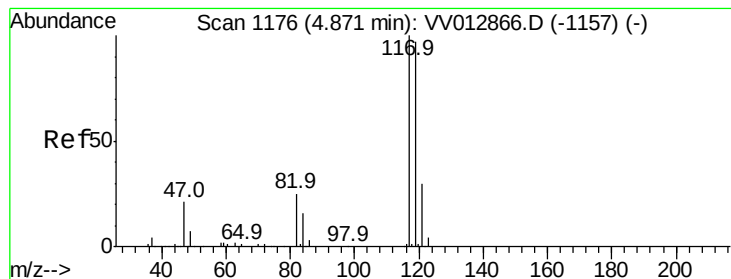
Tot Ion: 97 Resp: 404226
 Ion Ratio Lower Upper
 97 100
 99 64.6 50.9 76.3
 61 47.3 38.2 57.2



#30
 Cyclohexane
 Concen: 10.325 ug/L
 RT: 4.72 min Scan# 1129
 Delta R.T. 0.00 min
 Lab File: VV012867.D
 Acq: 17 Sep 2019 16:42

Tgt Ion: 56 Resp: 366875
 Ion Ratio Lower Upper
 56 100
 69 29.9 24.4 36.6
 84 84.5 69.3 103.9





#31

Carbon tetrachloride

Concen: 9.602 ug/L

RT: 4.87 min Scan# 1176

Delta R.T. 0.00 min

Lab File: VV012867.D

Acq: 17 Sep 2019 16:42

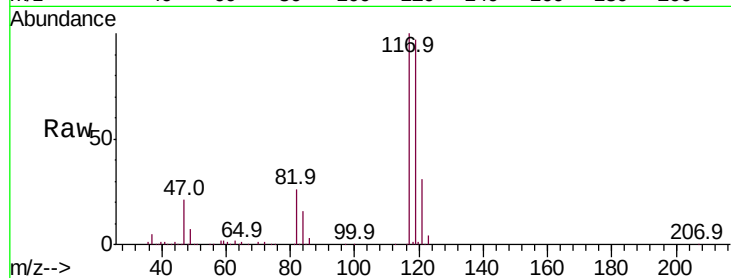
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:117 Resp: 342757

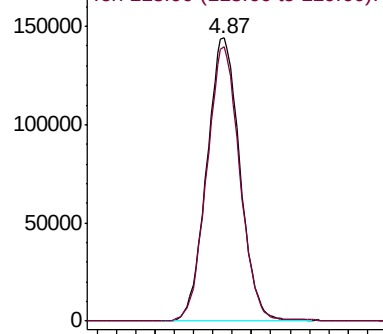
Ion Ratio Lower Upper

117 100

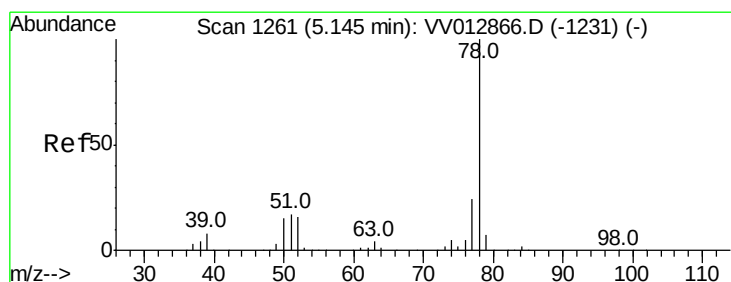
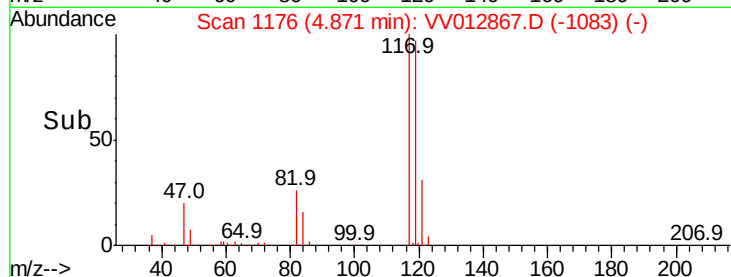
119 96.2 75.6 113.4



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



Time-->



#33

Benzene

Concen: 10.167 ug/L

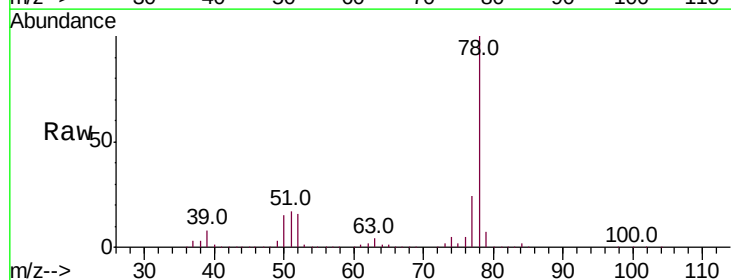
RT: 5.14 min Scan# 1261

Delta R.T. 0.00 min

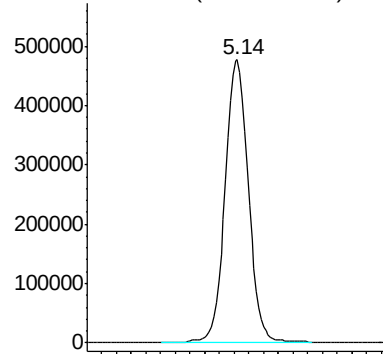
Lab File: VV012867.D

Acq: 17 Sep 2019 16:42

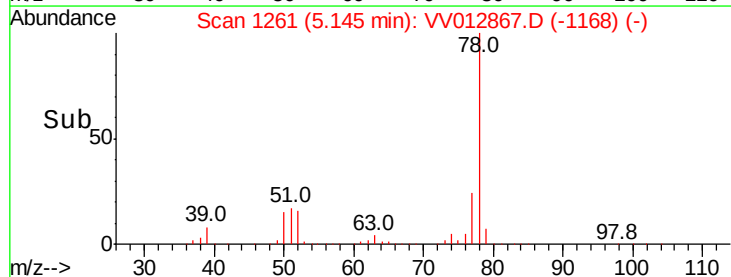
Tgt Ion: 78 Resp: 1056387

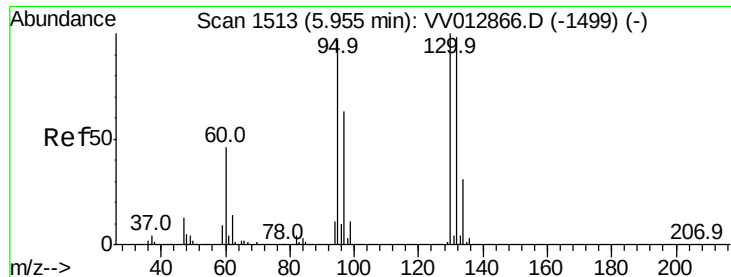


Abundance Ion 78.10 (77.80 to 78.80): VV0



Time-->





#34

Trichloroethene

Concen: 8.994 ug/L

RT: 5.95 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VV012867.D

Acq: 17 Sep 2019 16:42

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion: 95 Resp: 262183

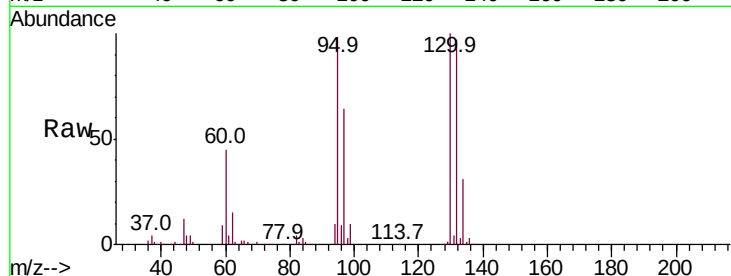
Ion Ratio Lower Upper

95 100

97 65.0 45.3 84.1

132 99.3 70.6 131.0

130 102.0 71.8 133.4

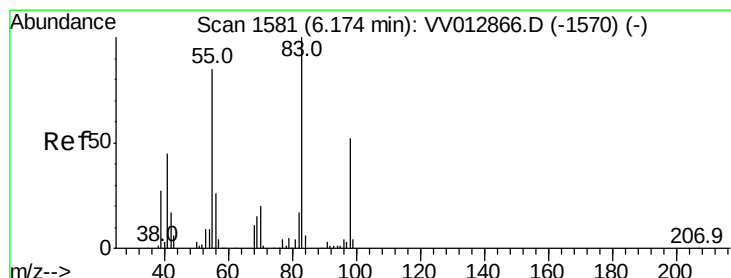
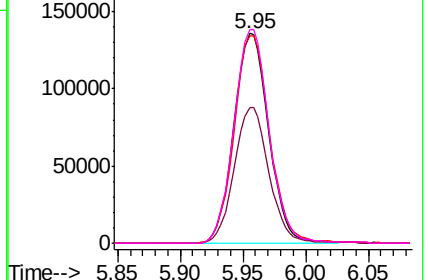
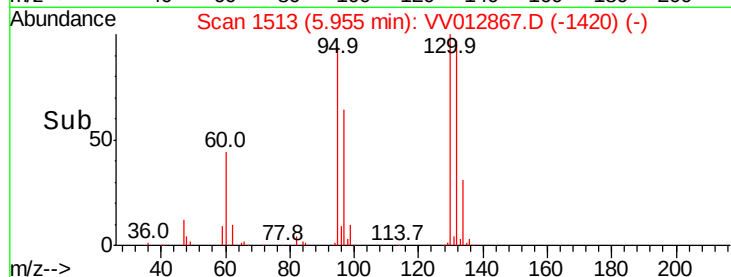


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 10.683 ug/L

RT: 6.17 min Scan# 1581

Delta R.T. 0.00 min

Lab File: VV012867.D

Acq: 17 Sep 2019 16:42

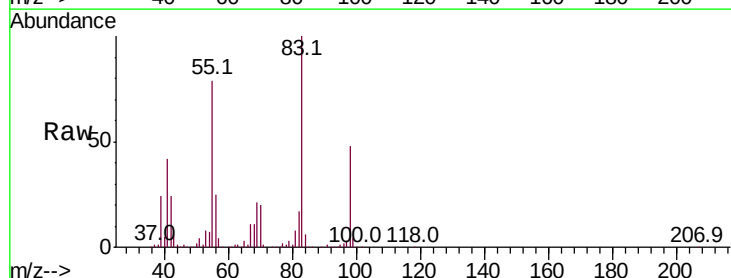
Tgt Ion: 83 Resp: 388123

Ion Ratio Lower Upper

83 100

55 79.0 63.8 95.6

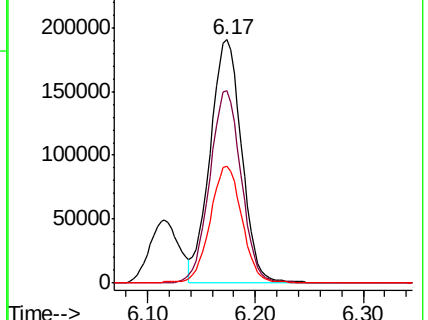
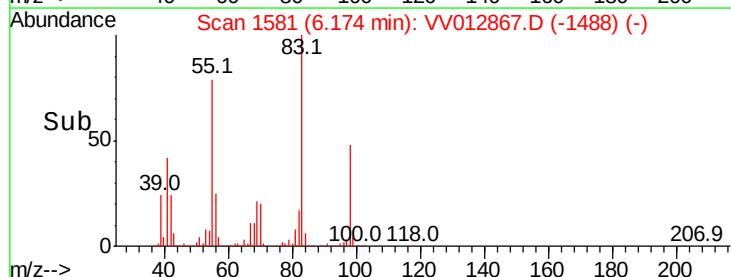
98 47.8 38.2 57.4

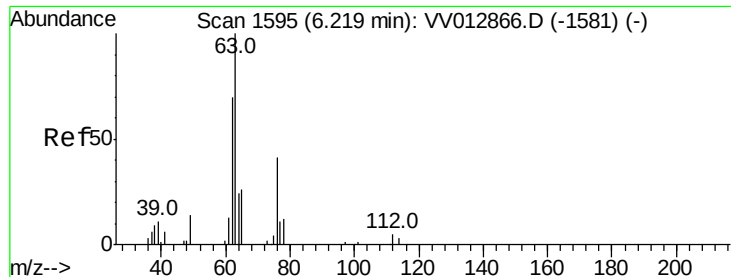


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0





#37

1,2-Dichloropropane

Concen: 10.252 ug/L

RT: 6.22 min Scan# 1595

Delta R.T. 0.00 min

Lab File: VV012867.D

Acq: 17 Sep 2019 16:42

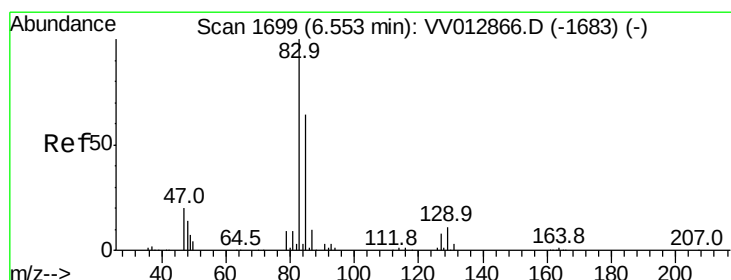
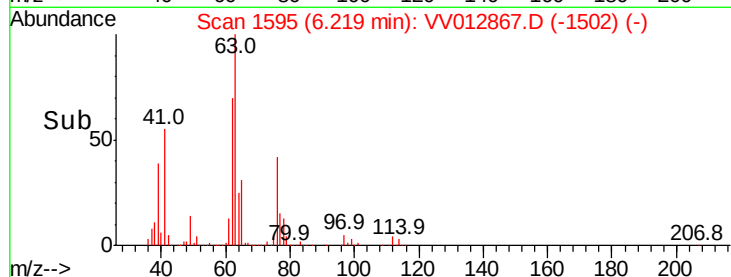
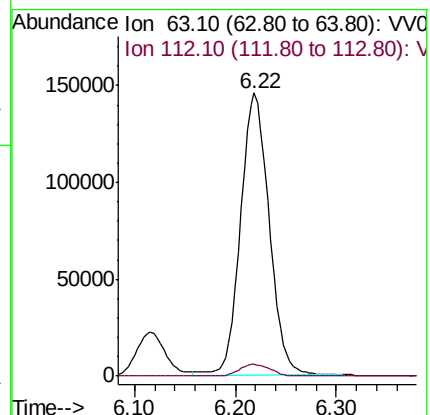
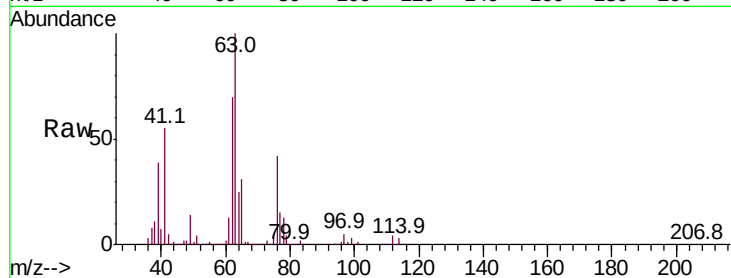
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 63 Resp: 288355

Ion Ratio Lower Upper

63 100

112 4.5 3.8 5.6



#38

Bromodichloromethane

Concen: 9.830 ug/L

RT: 6.55 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VV012867.D

Acq: 17 Sep 2019 16:42

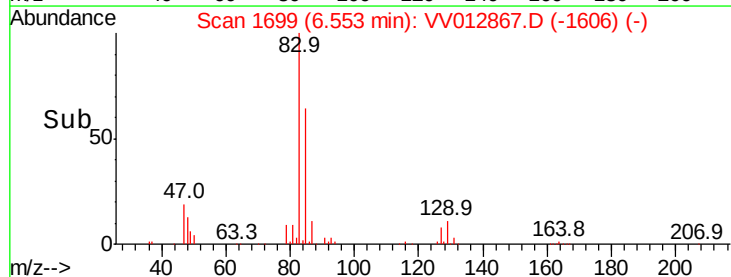
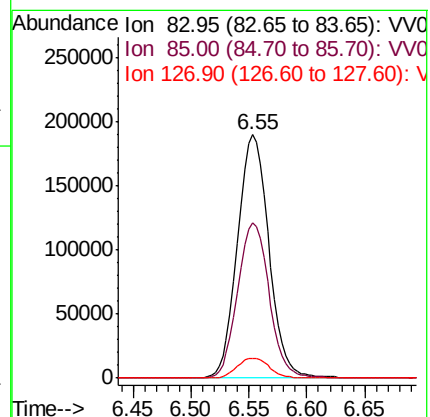
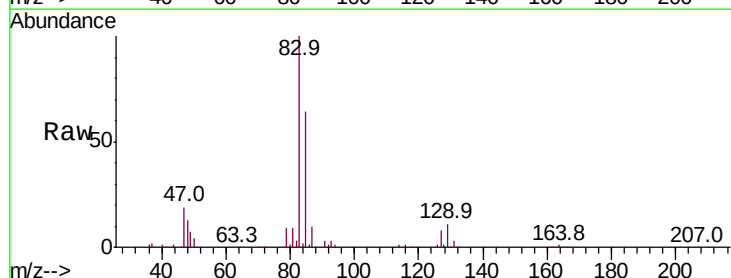
Tgt Ion: 83 Resp: 357284

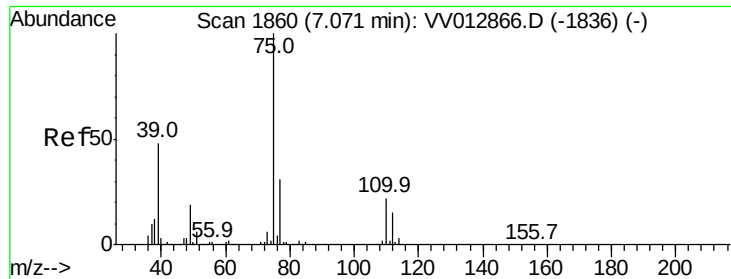
Ion Ratio Lower Upper

83 100

85 63.8 44.9 83.5

127 8.3 6.8 10.2

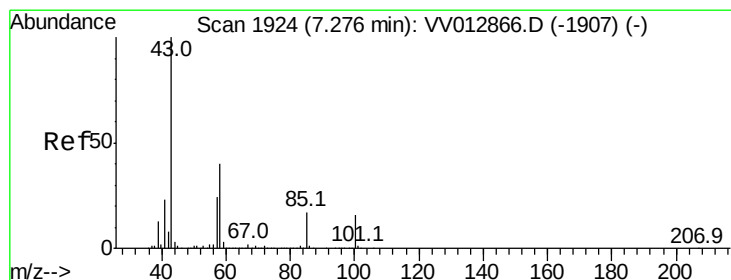
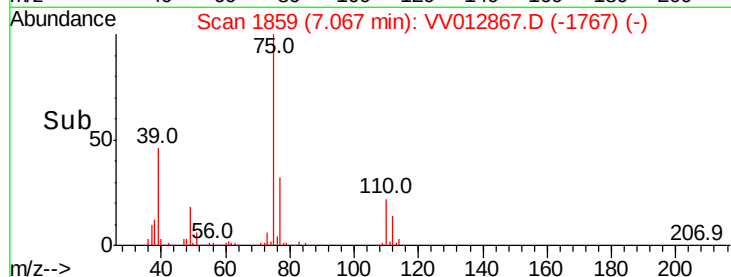
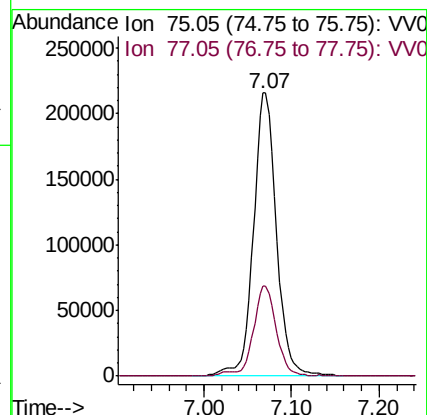
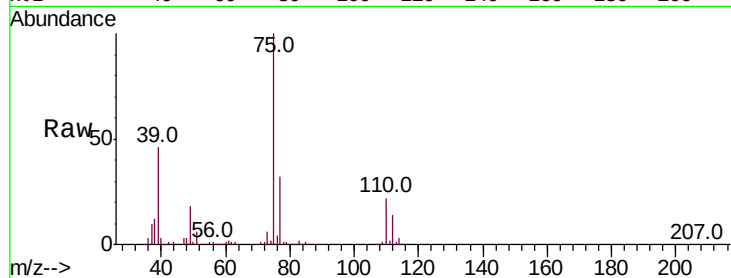




#39
 cis-1,3-Dichloropropene
 Concen: 11.199 ug/L
 RT: 7.07 min Scan# 1859
 Delta R.T. -0.00 min
 Lab File: VV012867.D
 Acq: 17 Sep 2019 16:42

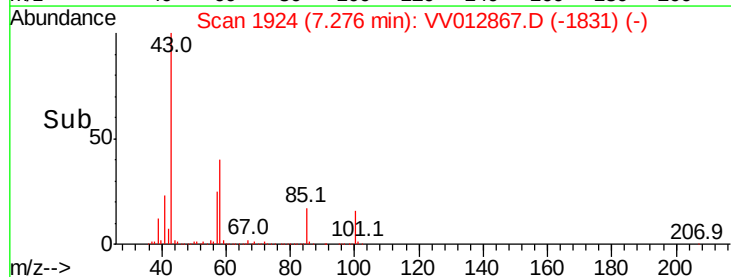
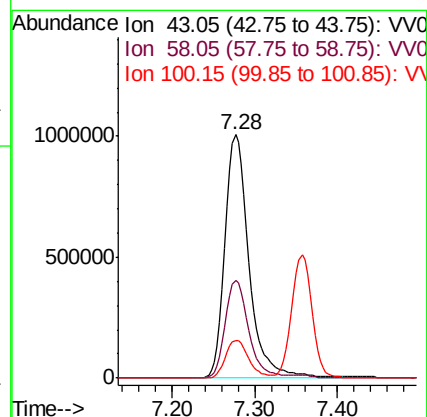
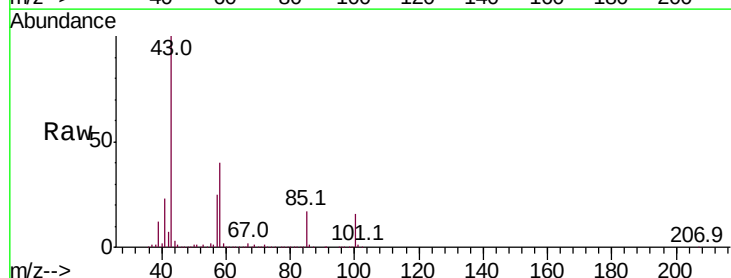
Instrument :
 MSVOA_V
 ClientSampleId :

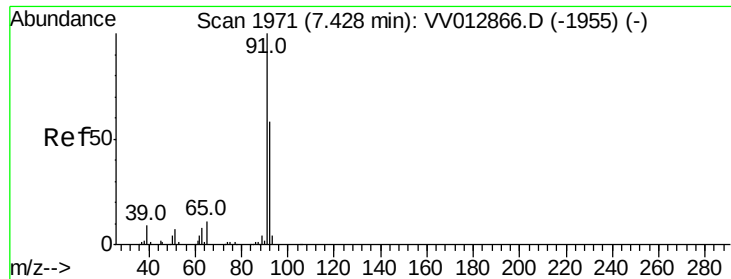
Tot Ion: 75 Resp: 393545
 Ion Ratio Lower Upper
 75 100
 77 31.8 21.6 40.0



#40
 4-Methyl-2-pentanone
 Concen: 125.190 ug/L
 RT: 7.28 min Scan# 1924
 Delta R.T. 0.00 min
 Lab File: VV012867.D
 Acq: 17 Sep 2019 16:42

Tgt Ion: 43 Resp: 2022327
 Ion Ratio Lower Upper
 43 100
 58 39.2 30.8 46.2
 100 15.1 11.8 17.6





#42

Toluene

Concen: 10.623 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. 0.00 min

Lab File: VV012867.D

Acq: 17 Sep 2019 16:42

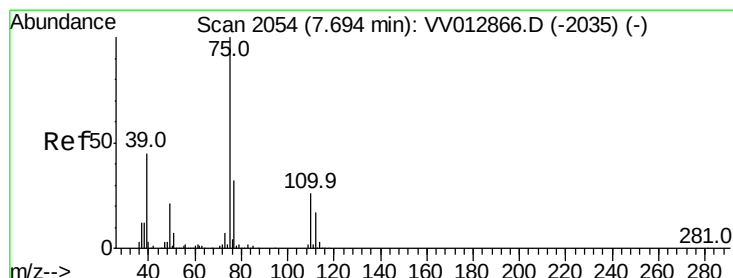
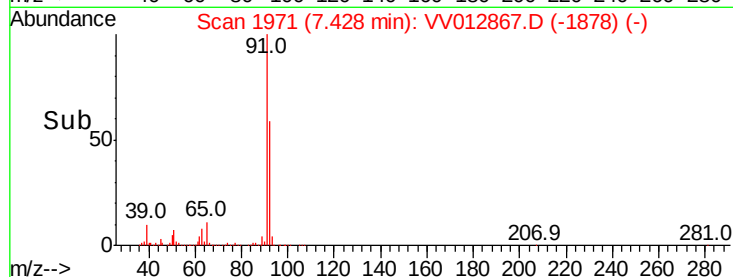
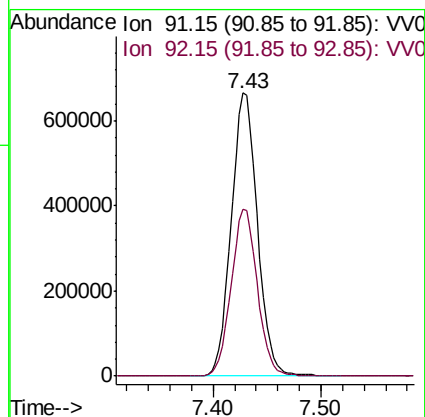
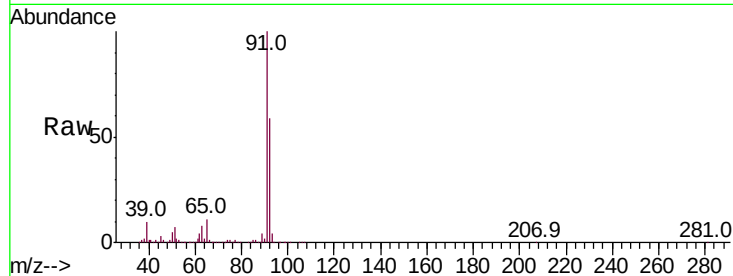
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 1130458

Ion Ratio Lower Upper

91 100

92 59.2 40.8 75.8



#44

trans-1,3-Dichloropropene

Concen: 11.286 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. -0.00 min

Lab File: VV012867.D

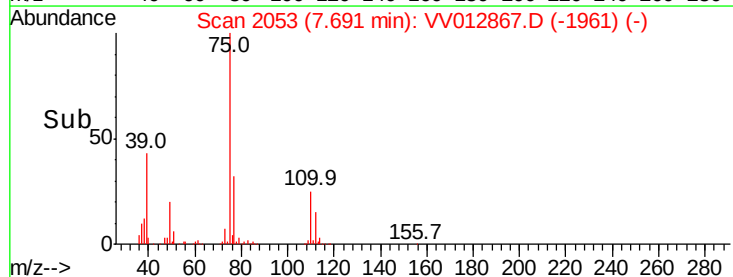
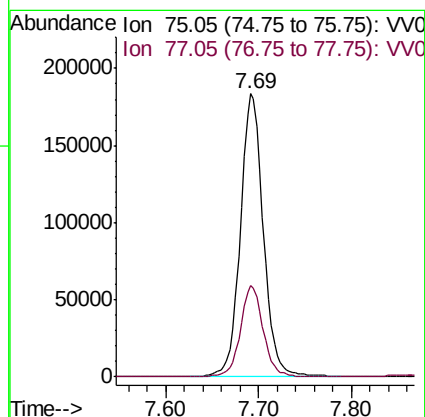
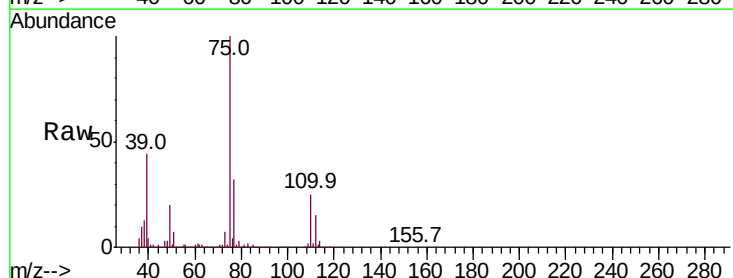
Acq: 17 Sep 2019 16:42

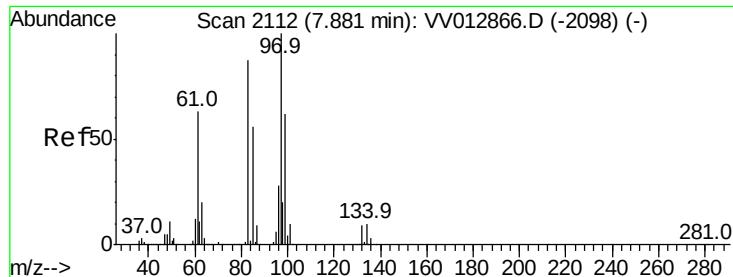
Tgt Ion: 75 Resp: 315950

Ion Ratio Lower Upper

75 100

77 32.2 22.5 41.7

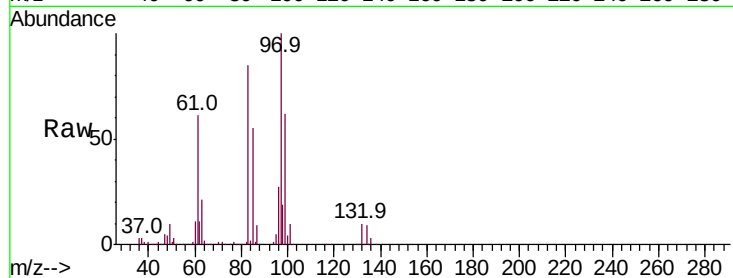




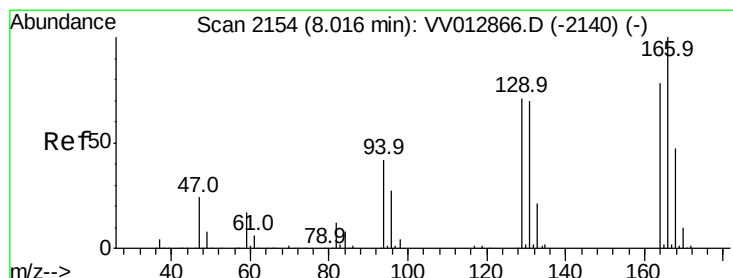
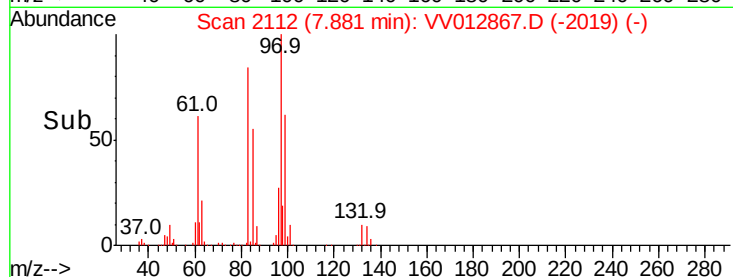
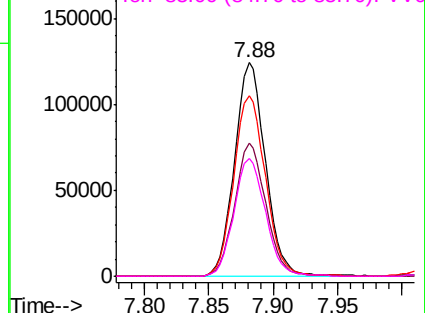
#45
 1,1,2-Trichloroethane
 Concen: 10.290 ug/L
 RT: 7.88 min Scan# 2112
 Delta R.T. 0.00 min
 Lab File: VV012867.D
 Acq: 17 Sep 2019 16:42

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:	97	Resp:	207391
Ion	Ratio	Lower	Upper
97	100		
99	62.2	43.7	81.1
83	84.6	60.6	112.6
85	55.0	38.9	72.3

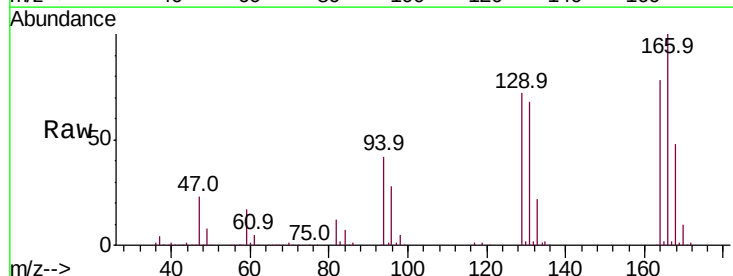


Abundance Ion 96.95 (96.65 to 97.65): VV012867.D (-2019) (-)
 Ion 99.05 (98.75 to 99.75): VV012867.D (-2019) (-)
 Ion 82.95 (82.65 to 83.65): VV012867.D (-2019) (-)
 Ion 85.00 (84.70 to 85.70): VV012867.D (-2019) (-)

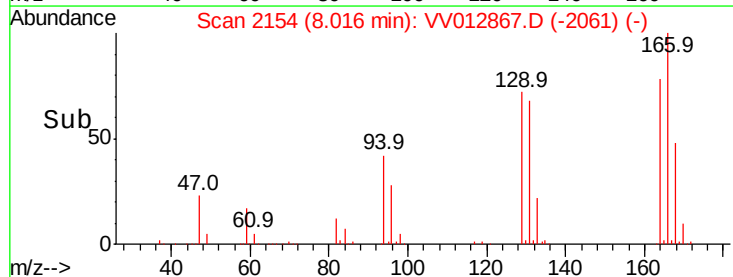
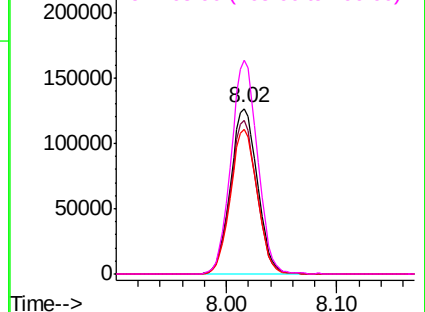


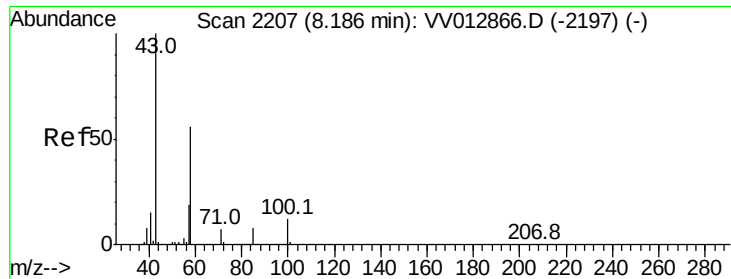
#47
 Tetrachloroethene
 Concen: 9.919 ug/L
 RT: 8.02 min Scan# 2154
 Delta R.T. 0.00 min
 Lab File: VV012867.D
 Acq: 17 Sep 2019 16:42

Tgt Ion:	164	Resp:	215205
Ion	Ratio	Lower	Upper
164	100		
129	92.5	63.8	118.6
131	87.2	63.1	117.3
166	129.0	89.9	166.9



Abundance Ion 163.90 (163.60 to 164.60): VV012867.D (-2061) (-)
 Ion 128.95 (128.65 to 129.65): VV012867.D (-2061) (-)
 Ion 130.95 (130.65 to 131.65): VV012867.D (-2061) (-)
 Ion 165.90 (165.60 to 166.60): VV012867.D (-2061) (-)



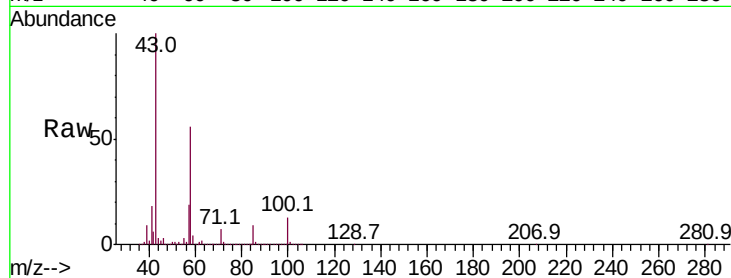


#48
2-Hexanone
Concen: 120.287 ug/L
RT: 8.19 min Scan# 2207
Delta R.T. 0.00 min
Lab File: VV012867.D
Acq: 17 Sep 2019 16:42

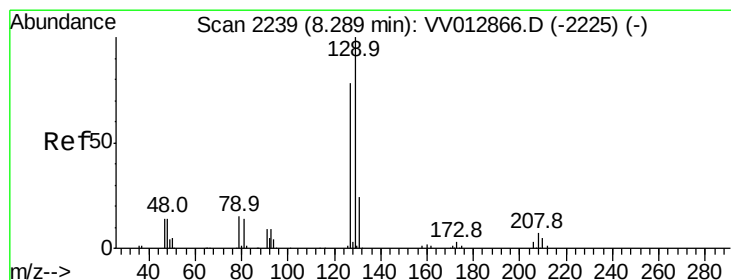
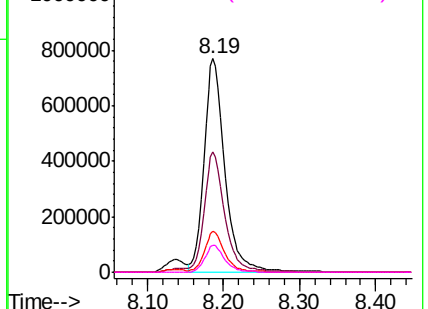
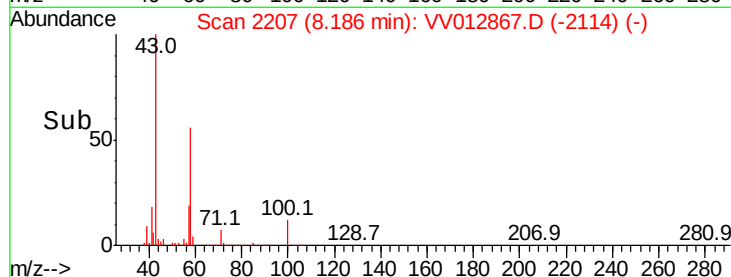
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 1468109

Ion	Ratio	Lower	Upper
43	100		
58	55.6	44.5	66.7
57	18.7	15.0	22.6
100	12.2	9.7	14.5



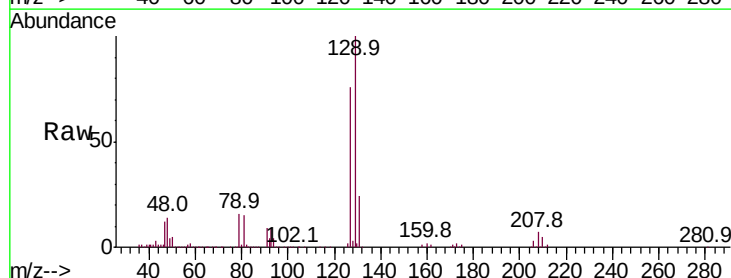
Abundance Ion 43.05 (42.75 to 43.75): VV012867.D (-2197) (-)
Ion 58.05 (57.75 to 58.75): VV012867.D (-2197) (-)
Ion 57.20 (56.90 to 57.90): VV012867.D (-2197) (-)
Ion 100.15 (99.85 to 100.85): VV012867.D (-2197) (-)



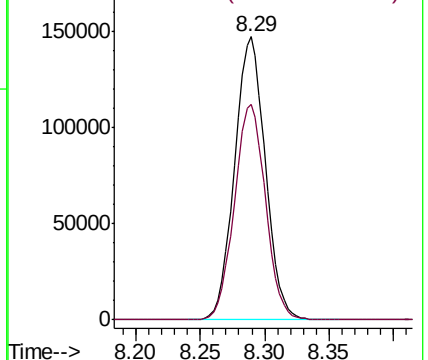
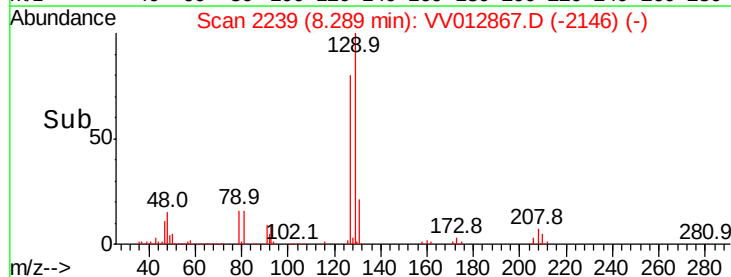
#49
Dibromochloromethane
Concen: 10.623 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VV012867.D
Acq: 17 Sep 2019 16:42

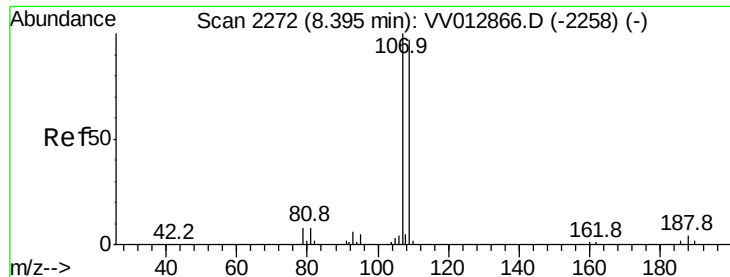
Tgt Ion: 129 Resp: 243978

Ion	Ratio	Lower	Upper
129	100		
127	76.3	54.7	101.7



Abundance Ion 128.95 (128.65 to 129.65): VV012867.D (-2225) (-)
Ion 126.90 (126.60 to 127.60): VV012867.D (-2225) (-)

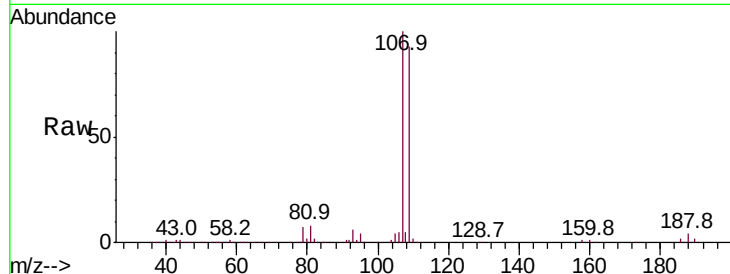




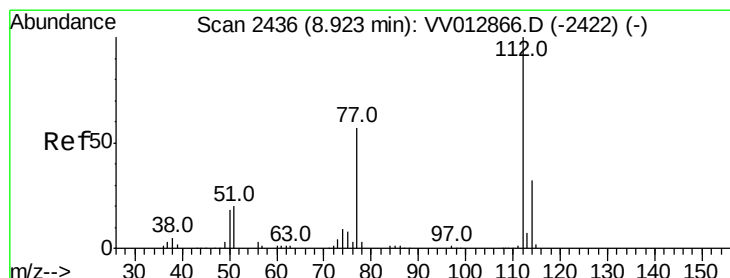
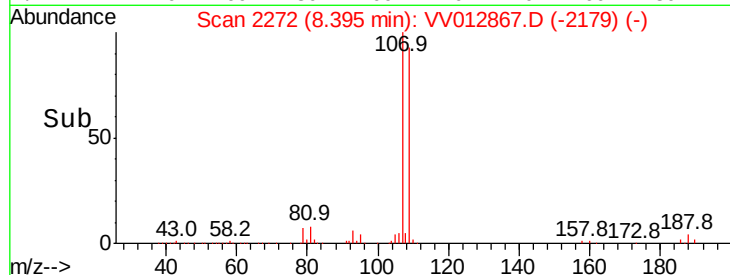
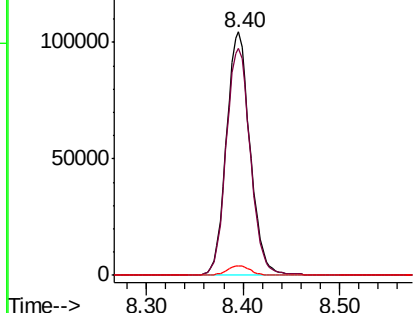
#50
 1,2-Dibromoethane
 Concen: 10.573 ug/L
 RT: 8.40 min Scan# 2272
 Delta R.T. 0.00 min
 Lab File: VV012867.D
 Acq: 17 Sep 2019 16:42

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.3	68.0	126.2
188	3.9	3.2	4.8

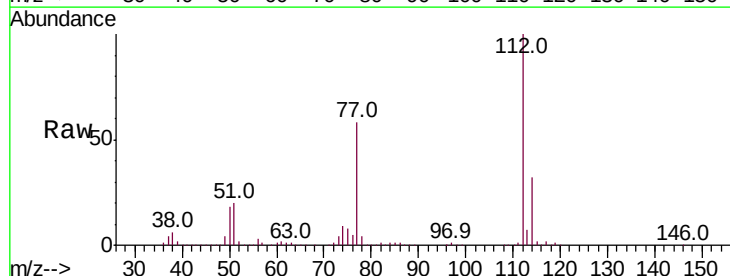


Abundance Ion 106.95 (106.65 to 107.65): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 187.90 (187.60 to 188.60): V

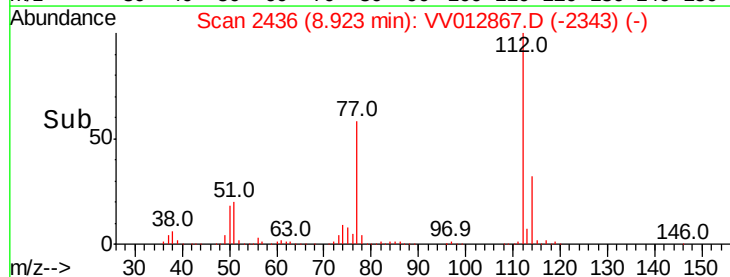
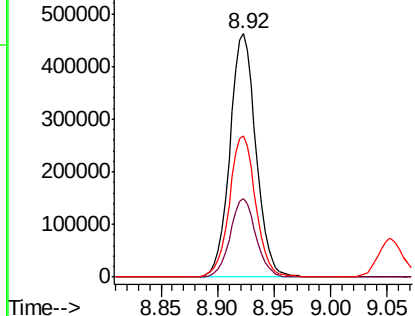


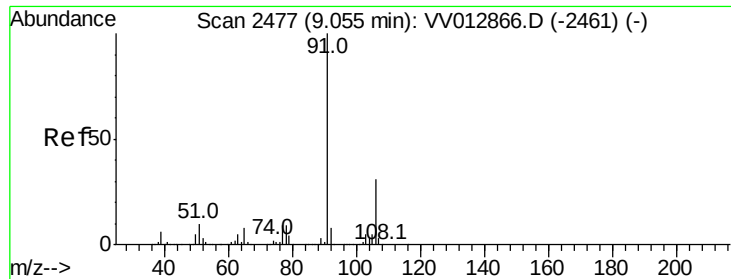
#51
 Chlorobenzene
 Concen: 10.094 ug/L
 RT: 8.92 min Scan# 2436
 Delta R.T. 0.00 min
 Lab File: VV012867.D
 Acq: 17 Sep 2019 16:42

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.1	22.3	41.5
77	58.2	45.8	68.8



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): VV0

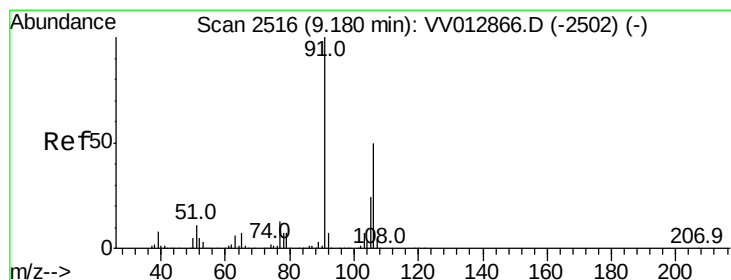
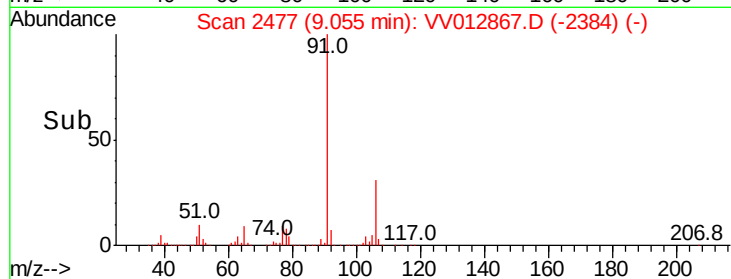
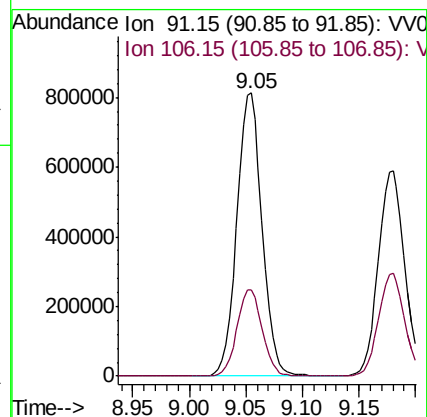
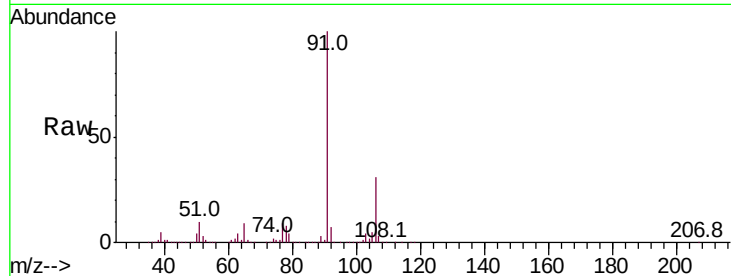




#52
Ethylbenzene
Concen: 11.087 ug/L
RT: 9.05 min Scan# 2477
Delta R.T. 0.00 min
Lab File: VV012867.D
Acq: 17 Sep 2019 16:42

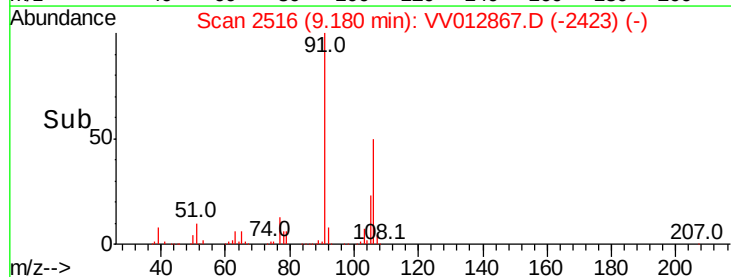
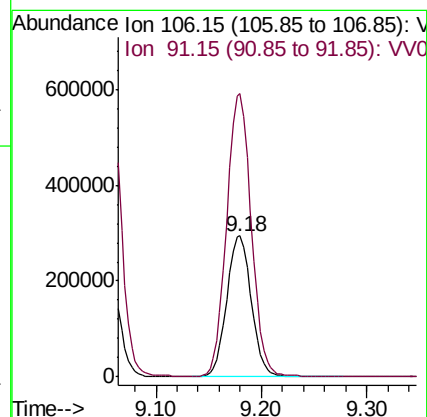
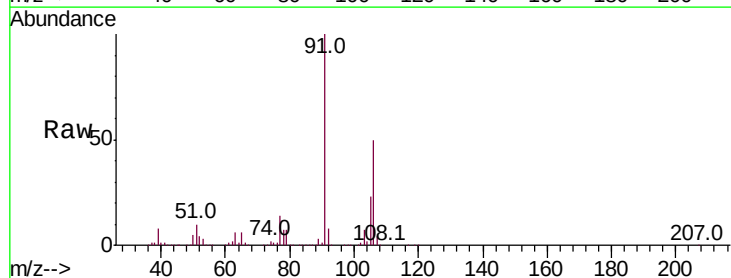
Instrument :
MSVOA_V
ClientSampleId :

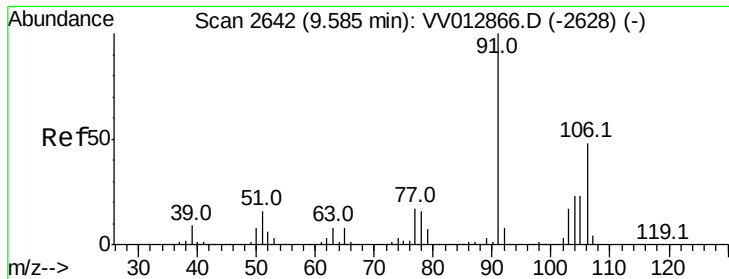
Tot Ion: 91 Resp: 1258680
Ion Ratio Lower Upper
91 100
106 30.6 21.7 40.3



#53
m,p-xylene
Concen: 11.264 ug/L
RT: 9.18 min Scan# 2516
Delta R.T. 0.00 min
Lab File: VV012867.D
Acq: 17 Sep 2019 16:42

Tgt Ion: 106 Resp: 474574
Ion Ratio Lower Upper
106 100
91 200.4 139.6 259.2





#54

o-xylene

Concen: 11.399 ug/L

RT: 9.59 min Scan# 2642

Delta R.T. 0.00 min

Lab File: VV012867.D

Acq: 17 Sep 2019 16:42

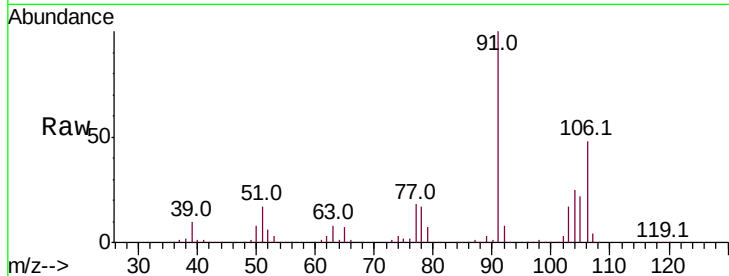
Instrument :
MSVOA_V
ClientSampled :

Tot Ion:106 Resp: 467509

Ion Ratio Lower Upper

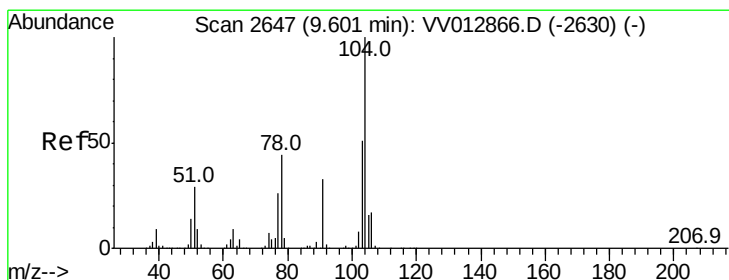
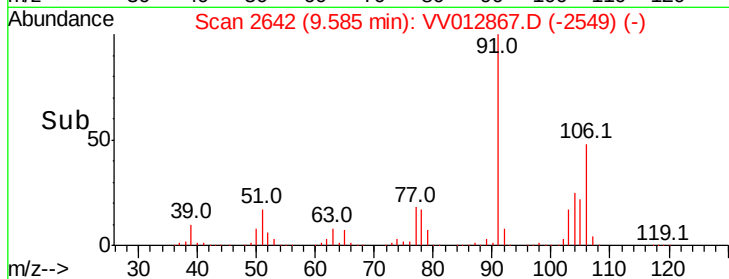
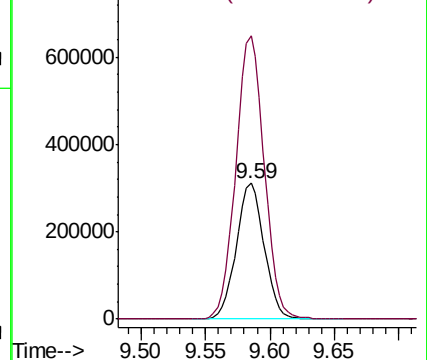
106 100

91 208.5 147.4 273.8



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 11.992 ug/L

RT: 9.60 min Scan# 2647

Delta R.T. 0.00 min

Lab File: VV012867.D

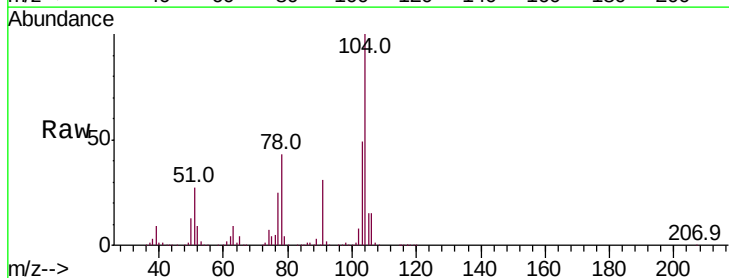
Acq: 17 Sep 2019 16:42

Tgt Ion:104 Resp: 835347

Ion Ratio Lower Upper

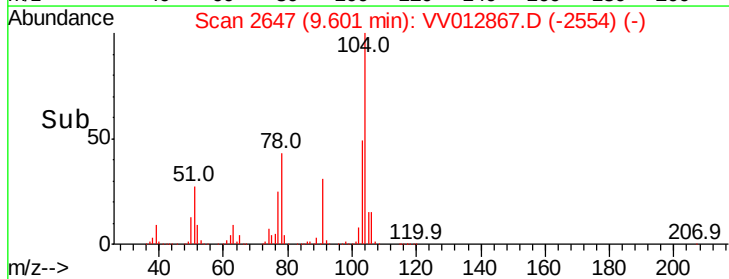
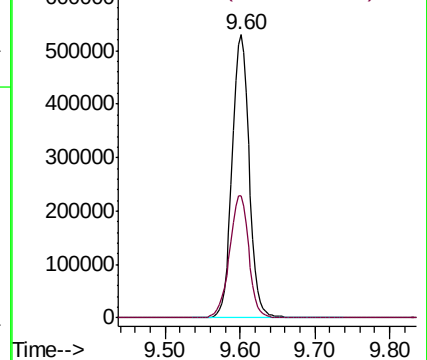
104 100

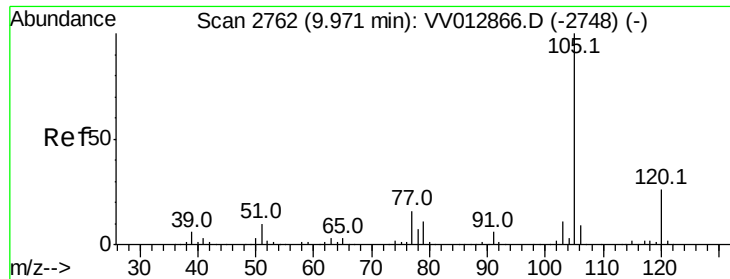
78 43.2 30.5 56.7



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 11.530 ug/L

RT: 9.97 min Scan# 2762

Delta R.T. 0.00 min

Lab File: VV012867.D

Acq: 17 Sep 2019 16:42

Instrument :

MSVOA_V

ClientSampled :

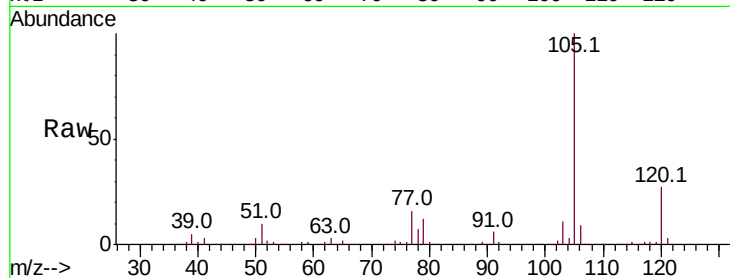
Tot Ion:105 Resp: 1269405

Ion Ratio Lower Upper

105 100

120 26.8 20.8 31.2

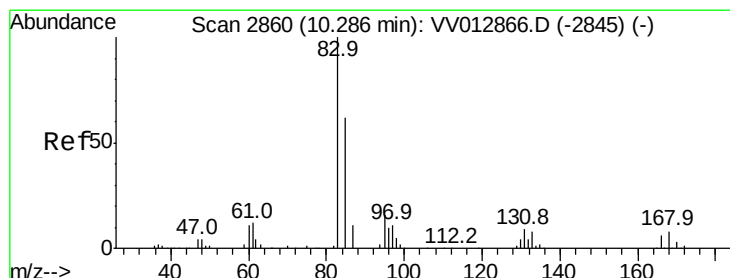
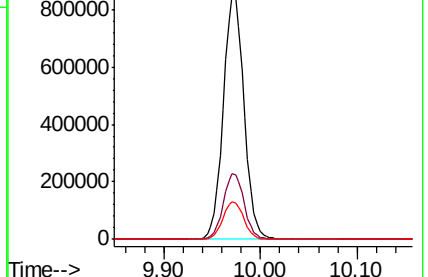
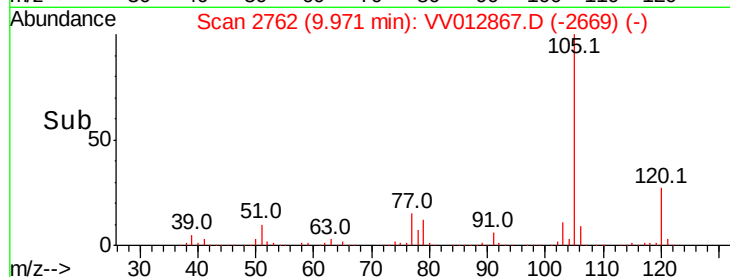
77 15.5 12.6 19.0



Abundance Ion 105.05 (104.75 to 105.75): VV012867.D (-2748) (-)

Ion 120.10 (119.80 to 120.80): VV012867.D (-2748) (-)

Ion 77.10 (76.80 to 77.80): VV012867.D (-2748) (-)



#58

1,1,2,2-Tetrachloroethane

Concen: 13.181 ug/L

RT: 10.28 min Scan# 2859

Delta R.T. -0.00 min

Lab File: VV012867.D

Acq: 17 Sep 2019 16:42

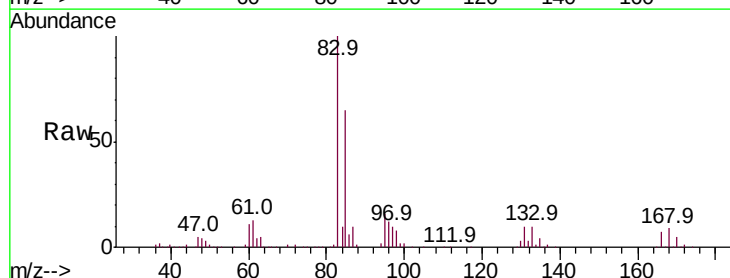
Tgt Ion: 83 Resp: 267033

Ion Ratio Lower Upper

83 100

85 64.6 43.9 81.5

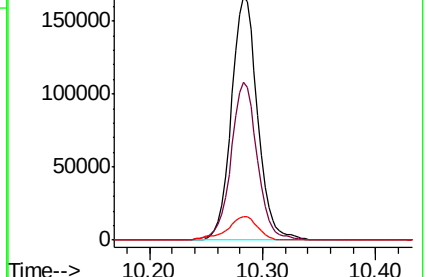
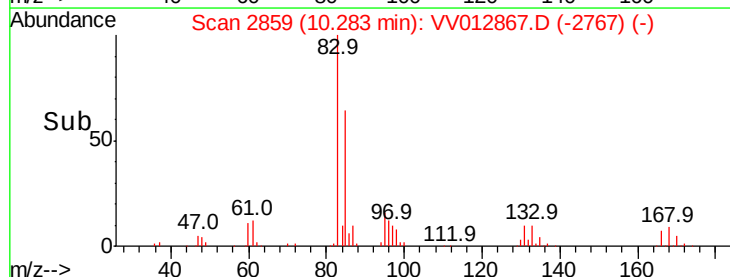
131 9.8 7.5 11.3

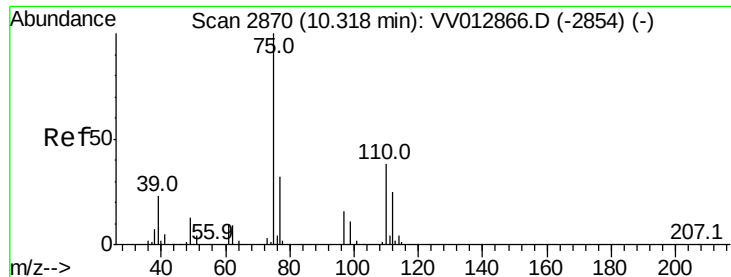


Abundance Ion 82.95 (82.65 to 83.65): VV012867.D (-2767) (-)

Ion 85.00 (84.70 to 85.70): VV012867.D (-2767) (-)

Ion 130.95 (130.65 to 131.65): VV012867.D (-2767) (-)





#59

1,2,3-Trichloropropane

Concen: 10.891 ug/L

RT: 10.32 min Scan# 2870

Delta R.T. 0.00 min

Lab File: VV012867.D

Acq: 17 Sep 2019 16:42

Instrument :

MSVOA_V

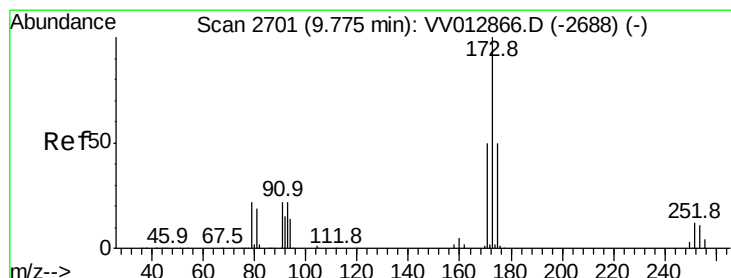
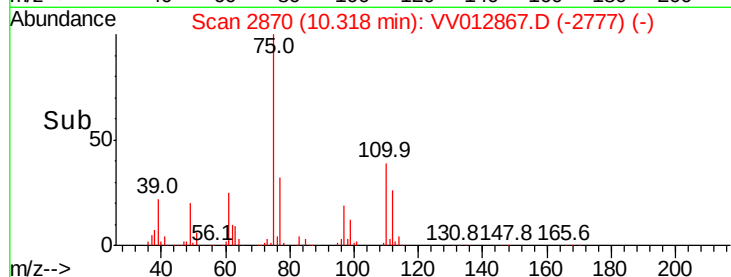
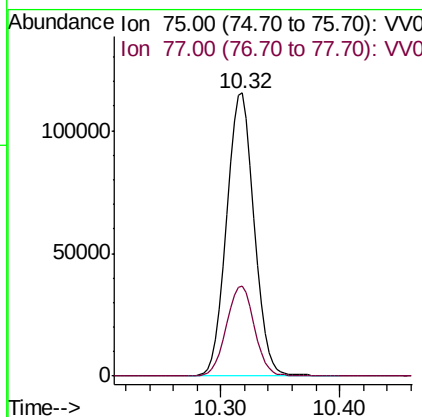
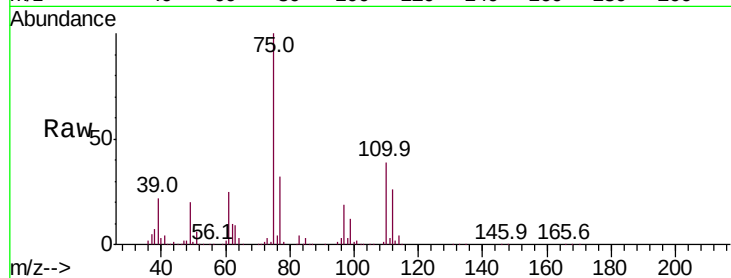
ClientSampled :

Tot Ion: 75 Resp: 184825

Ion Ratio Lower Upper

75 100

77 32.1 26.1 39.1



#61

Bromoform

Concen: 10.088 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. 0.00 min

Lab File: VV012867.D

Acq: 17 Sep 2019 16:42

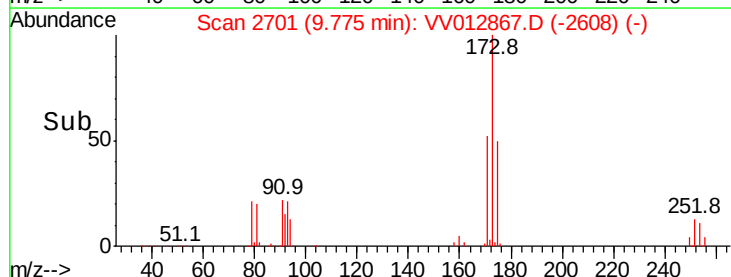
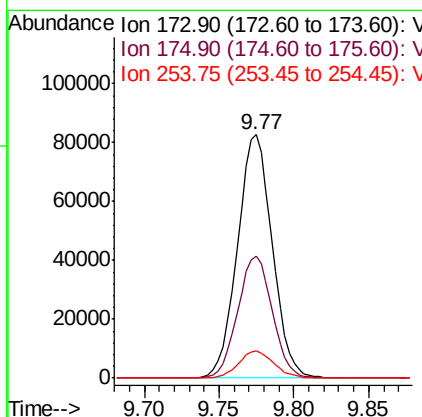
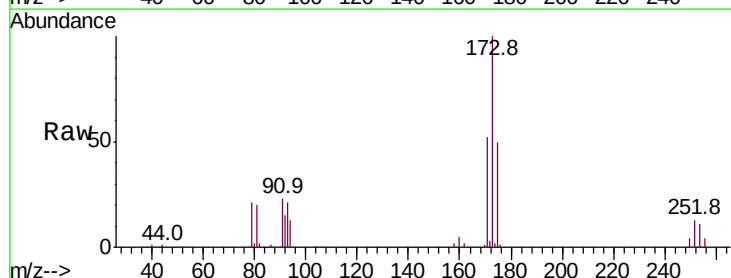
Tgt Ion: 173 Resp: 134149

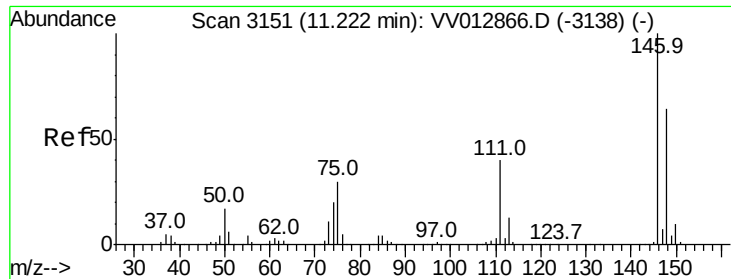
Ion Ratio Lower Upper

173 100

175 49.9 39.2 58.8

254 11.3 9.4 14.0

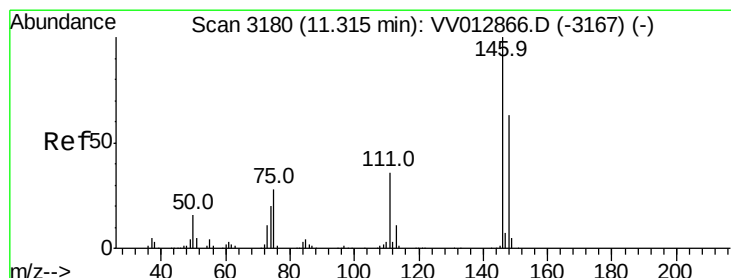
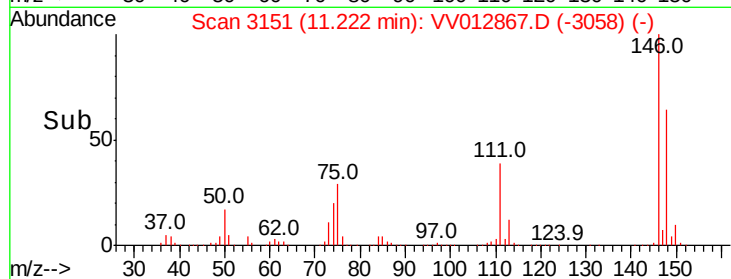
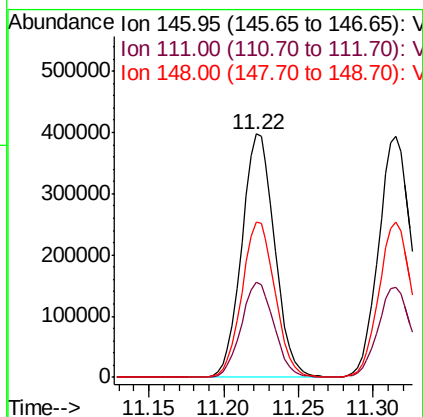
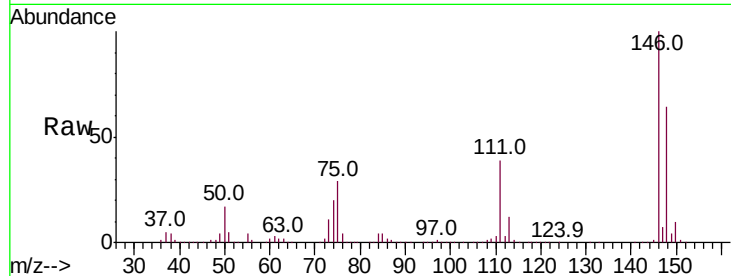




#62
 1,3-Dichlorobenzene
 Concen: 10.179 ug/L
 RT: 11.22 min Scan# 3151
 Delta R.T. 0.00 min
 Lab File: VV012867.D
 Acq: 17 Sep 2019 16:42

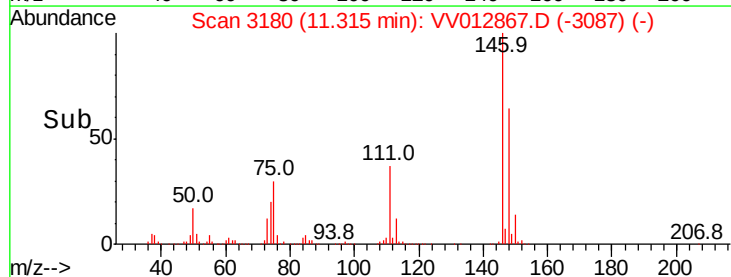
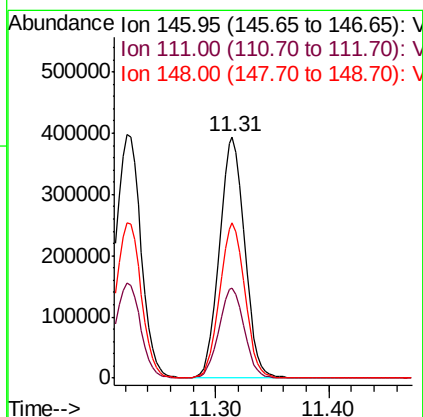
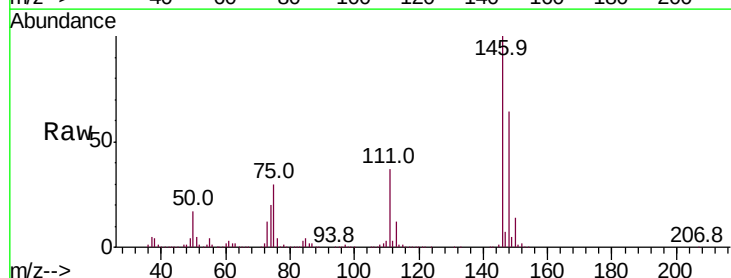
Instrument :
 MSVOA_V
 ClientSampled :

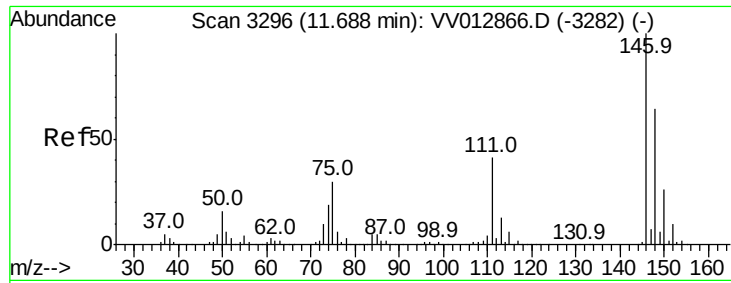
Tot Ion:146 Resp: 607965
 Ion Ratio Lower Upper
 146 100
 111 38.8 27.8 51.6
 148 63.8 44.6 82.8



#63
 1,4-Dichlorobenzene
 Concen: 9.818 ug/L
 RT: 11.31 min Scan# 3180
 Delta R.T. 0.00 min
 Lab File: VV012867.D
 Acq: 17 Sep 2019 16:42

Tgt Ion:146 Resp: 608580
 Ion Ratio Lower Upper
 146 100
 111 37.3 25.6 47.4
 148 64.4 44.5 82.7

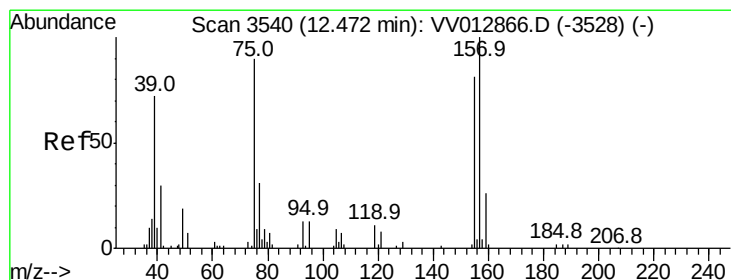
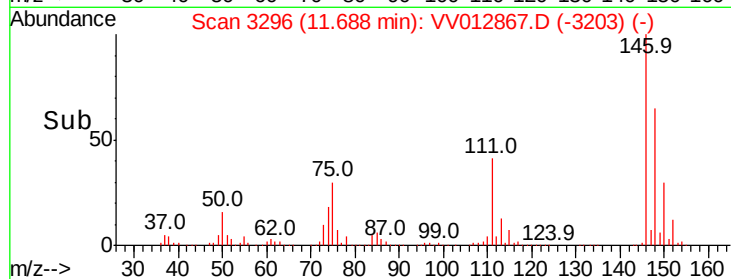
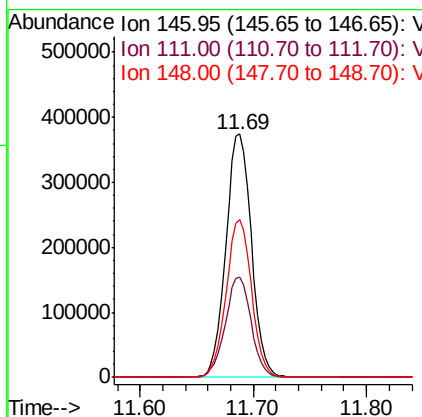
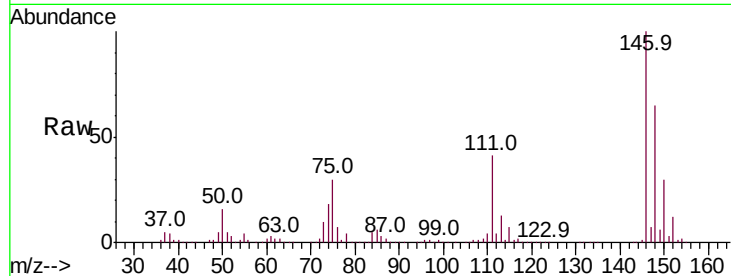




#65
 1,2-Dichlorobenzene
 Concen: 10.142 ug/L
 RT: 11.69 min Scan# 3296
 Delta R.T. 0.00 min
 Lab File: VV012867.D
 Acq: 17 Sep 2019 16:42

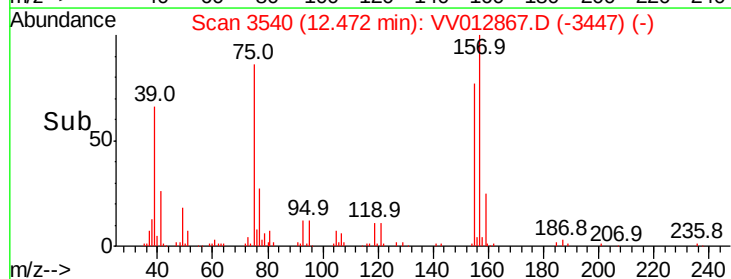
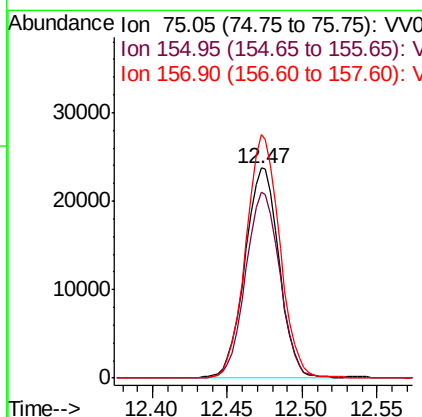
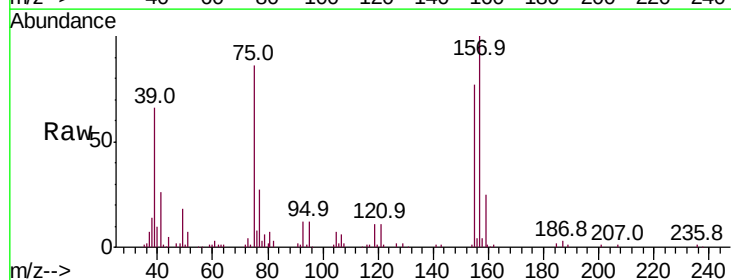
Instrument :
 MSVOA_V
 ClientSampled :

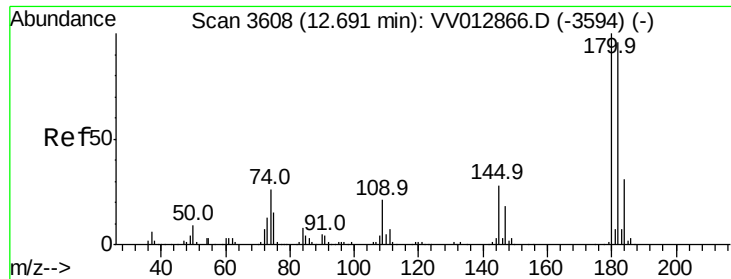
Tot Ion	Ratio	Lower	Upper
146	100		
111	41.3	32.8	49.2
148	65.1	51.1	76.7



#66
 1,2-Dibromo-3-chloropropane
 Concen: 12.507 ug/L
 RT: 12.47 min Scan# 3540
 Delta R.T. 0.00 min
 Lab File: VV012867.D
 Acq: 17 Sep 2019 16:42

Tgt Ion	Ratio	Lower	Upper
75	100		
155	88.7	72.4	108.6
157	116.0	89.3	133.9

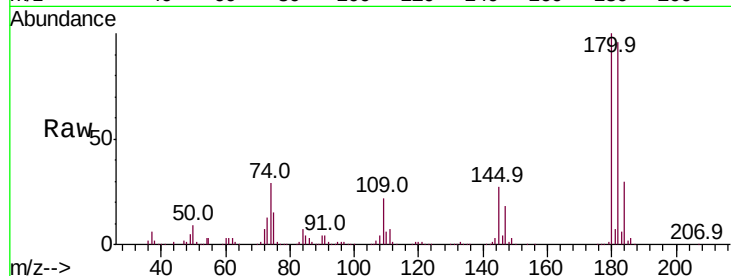




#67
 1,3,5-Trichlorobenzene
 Concen: 10.198 ug/L
 RT: 12.69 min Scan# 3607
 Delta R.T. -0.00 min
 Lab File: VV012867.D
 Acq: 17 Sep 2019 16:42

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:	180	Resp:	472144
Ion	Ratio	Lower	Upper
180	100		
182	95.2	76.2	114.4
184	30.4	24.6	36.8
145	27.9	22.1	33.1



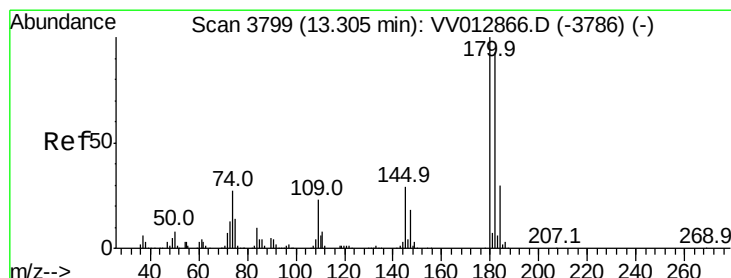
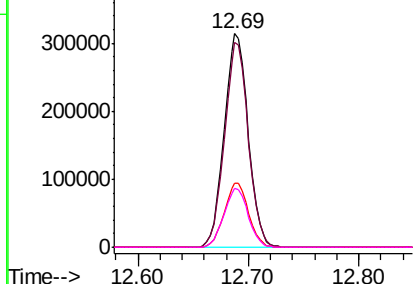
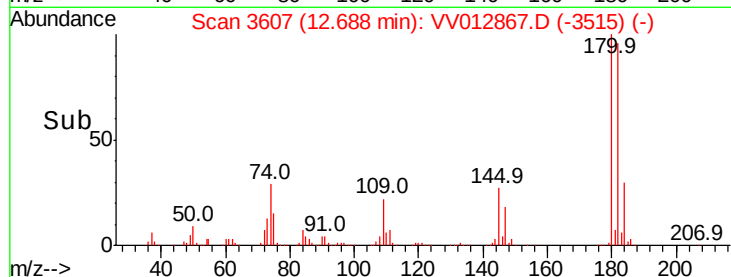
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

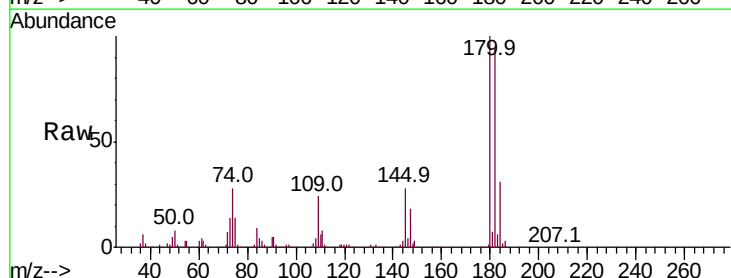
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 11.088 ug/L
 RT: 13.31 min Scan# 3799
 Delta R.T. 0.00 min
 Lab File: VV012867.D
 Acq: 17 Sep 2019 16:42

Tgt Ion:	180	Resp:	388765
Ion	Ratio	Lower	Upper
180	100		
182	95.6	75.8	113.6
145	28.3	22.9	34.3

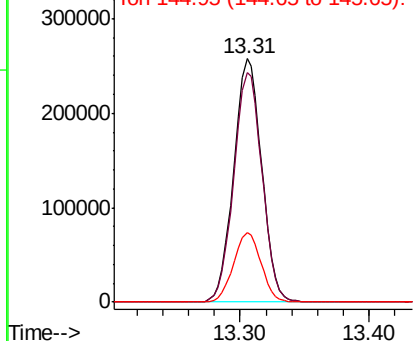
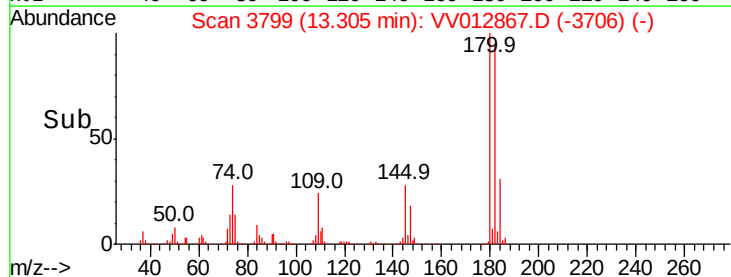


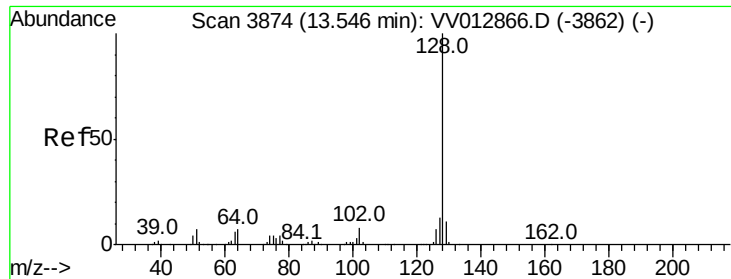
Abundance

Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 12.807 ug/L

RT: 13.55 min Scan# 3874

Delta R.T. 0.00 min

Lab File: VV012867.D

Acq: 17 Sep 2019 16:42

Instrument :

MSVOA_V

ClientSampled :

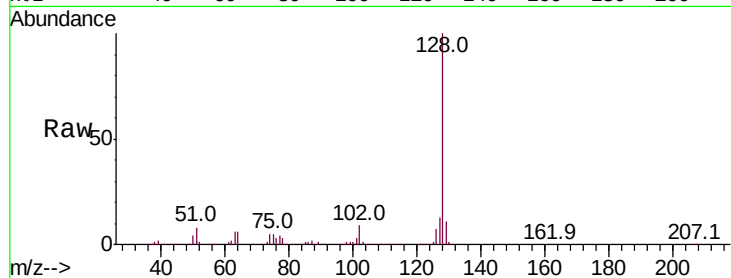
Tot Ion:128 Resp: 651816

Ion Ratio Lower Upper

128 100

129 10.6 8.9 13.3

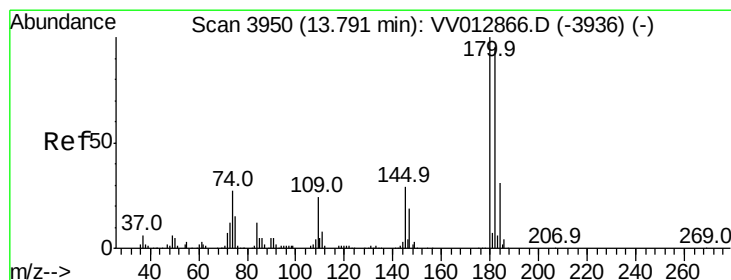
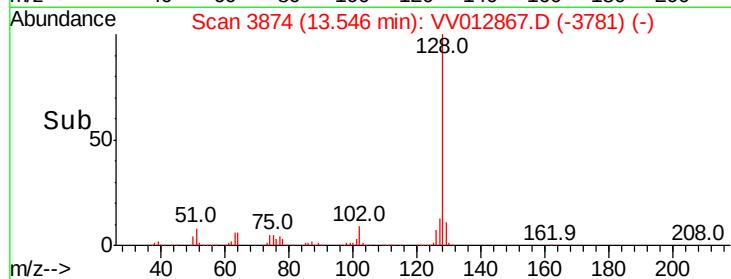
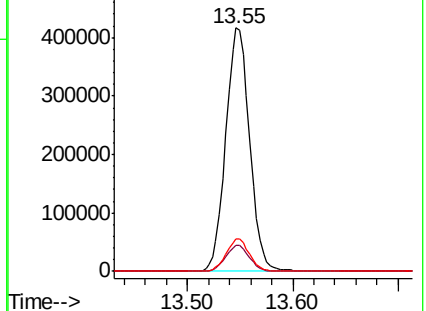
127 12.9 10.5 15.7



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: 11.320 ug/L

RT: 13.79 min Scan# 3950

Delta R.T. 0.00 min

Lab File: VV012867.D

Acq: 17 Sep 2019 16:42

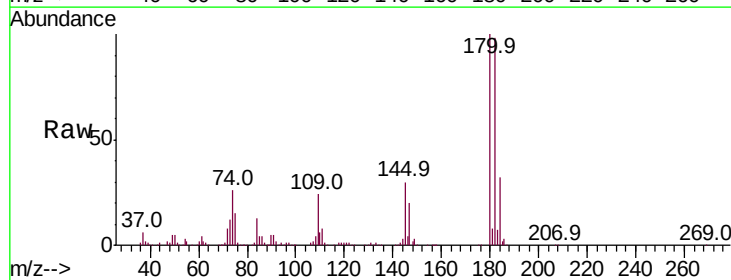
Tgt Ion:180 Resp: 387371

Ion Ratio Lower Upper

180 100

182 96.6 76.1 114.1

145 30.5 23.7 35.5



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

