

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV082218\
 Data File : VV007126.D
 Acq On : 22 Aug 2018 17:19
 Operator : SY/MD
 Sample : VSTD01079
 Misc : 5.0 mL/MSVOA V/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Aug 23 07:42:37 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM082218WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Aug 23 07:39:41 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	558309	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	523862	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	216169	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	32625	7.89	ug/L	0.00
7) Chloroethane-d5	1.56	69	22164	6.80	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.12	63	64382	7.88	ug/L	0.00
21) 2-Butanone-d5	3.96	46	54696	21.40	ug/L	0.00
24) Chloroform-d	4.40	84	72112	9.12	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.09	65	43462	8.08	ug/L	0.00
32) Benzene-d6	5.10	84	137118	9.35	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	47516	10.22	ug/L	0.00
41) Toluene-d8	7.36	98	112374	8.13	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.67	79	18927	8.46	ug/L	0.00
47) 2-Hexanone-d5	8.14	63	24338	12.60	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.27	84	65237	9.88	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.68	152	41519	9.02	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	53508	10.902	ug/L 99
3) Chloromethane	1.25	50	68261	14.912	ug/L 97
5) Vinyl chloride	1.32	62	55141	11.972	ug/L 98
6) Bromomethane	1.51	94	13534	6.214	ug/L 93
8) Chloroethane	1.58	64	30928	11.144	ug/L 95
9) Trichlorofluoromethane	1.76	101	65875	9.725	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	41463	11.070	ug/L 97
12) 1,1-Dichloroethene	2.13	96	39125	11.238	ug/L 98
13) Acetone	2.20	43	47098	16.284	ug/L 99
14) Carbon disulfide	2.31	76	116619	14.231	ug/L 98
15) Methyl Acetate	2.46	43	45245	10.505	ug/L 97
16) Methylene chloride	2.54	84	46107	11.650	ug/L 96
17) trans-1,2-Dichloroethene	2.79	96	42378	12.451	ug/L 97
18) Methyl tert-butyl Ether	2.81	73	129819	11.109	ug/L 99
19) 1,1-Dichloroethane	3.23	63	86154	12.327	ug/L 99
20) cis-1,2-Dichloroethene	3.96	96	47434	11.875	ug/L 98
22) 2-Butanone	4.04	43	70931	20.370	ug/L 100
23) Bromochloromethane	4.30	128	24973	12.534	ug/L 98
25) Chloroform	4.43	83	83648	11.277	ug/L 100
27) 1,2-Dichloroethane	5.19	62	64305	10.074	ug/L 99
29) Cyclohexane	4.72	56	63039	11.244	ug/L 98
30) 1,1,1-Trichloroethane	4.66	97	69170	11.115	ug/L 98
31) Carbon tetrachloride	4.88	117	57603	10.833	ug/L 100
33) Benzene	5.15	78	180107	11.970	ug/L 100
34) Trichloroethene	5.96	95	44471	11.596	ug/L 92
35) Methylcyclohexane	6.18	83	62916	10.816	ug/L 99
37) 1,2-Dichloropropane	6.23	63	50232	12.309	ug/L # 93
38) Bromodichloromethane	6.56	83	59374	11.456	ug/L 98
39) cis-1,3-Dichloropropene	7.08	75	62120	10.745	ug/L 98
40) 4-Methyl-2-pentanone	7.29	43	107634	18.247	ug/L 97

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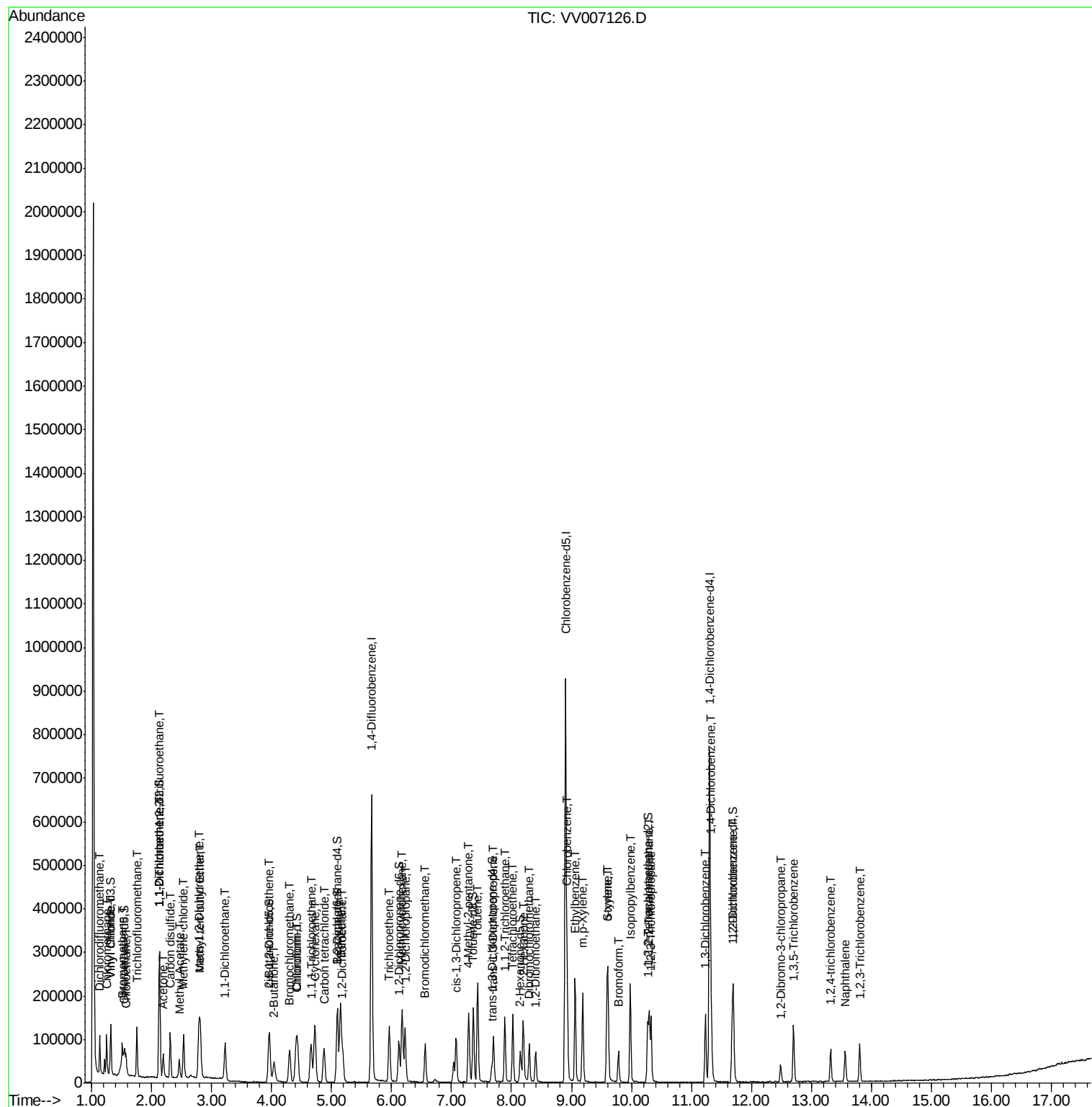
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.44	91	168016	10.517	ug/L	99
44) trans-1,3-Dichloropropene	7.70	75	56256	10.081	ug/L	99
45) 1,1,2-Trichloroethane	7.89	97	46910	12.063	ug/L	97
46) Tetrachloroethene	8.02	164	35473	11.799	ug/L	95
48) 2-Hexanone	8.20	43	87322	17.913	ug/L	92
49) Dibromochloromethane	8.30	129	44887	11.260	ug/L	99
50) 1,2-Dibromoethane	8.40	107	44967	11.176	ug/L	95
51) Chlorobenzene	8.93	112	115664	10.890	ug/L	98
52) Ethylbenzene	9.06	91	159951	9.061	ug/L	99
53) m,p-Xylene	9.19	106	58211	8.957	ug/L	99
54) o-xylene	9.59	106	56315	8.635	ug/L	95
55) Styrene	9.61	104	90997	8.092	ug/L	97
56) Isopropylbenzene	9.98	105	142981	8.222	ug/L	98
58) 1,1,1,2,2-Tetrachloroethane	10.30	83	78337	11.718	ug/L	97
59) 1,2,3-Trichloropropane	10.33	75	62907	11.630	ug/L	100
61) Bromoform	9.78	173	32431	14.037	ug/L	99
62) 1,3-Dichlorobenzene	11.23	146	71492	10.655	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	75828	10.496	ug/L	100
65) 1,2-Dichlorobenzene	11.70	146	78836	10.831	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.48	75	10695	9.342	ug/L	92
67) 1,3,5-Trichlorobenzene	12.70	180	44823	9.336	ug/L	99
68) 1,2,4-trichlorobenzene	13.32	180	25265	6.548	ug/L	98
69) Naphthalene	13.56	128	60381	5.103	ug/L	99
70) 1,2,3-Trichlorobenzene	13.80	180	27921	6.761	ug/L	97

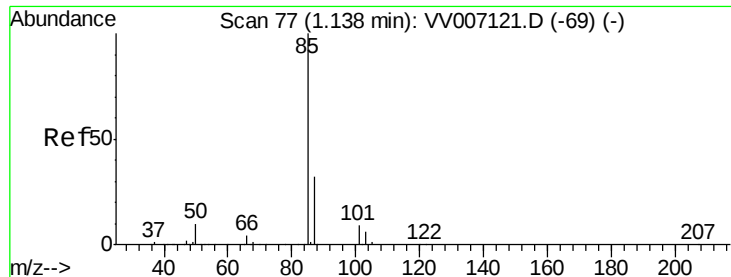
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 10.902 ug/L

RT: 1.14 min Scan# 77

Delta R.T. -0.00 min

Lab File: VV007126.D

Acq: 22 Aug 2018 17:19

Instrument :

MSVOA_V

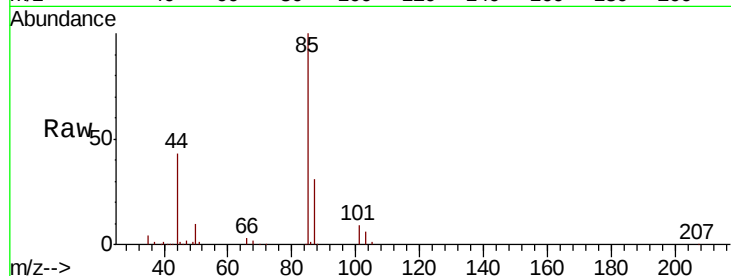
ClientSampled :

Tot Ion: 85 Resp: 53508

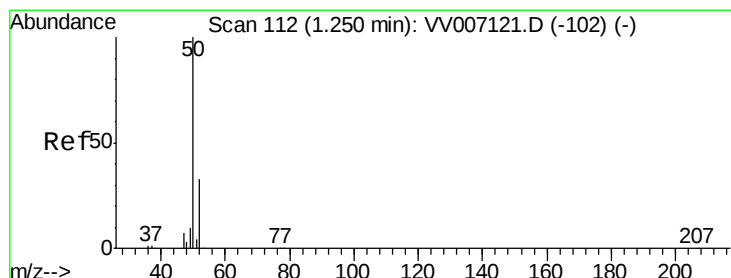
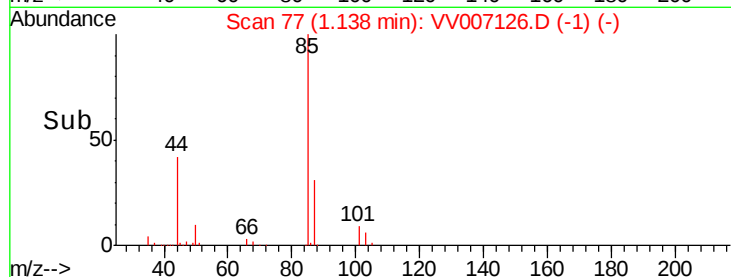
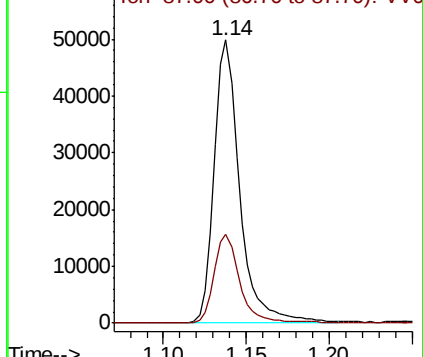
Ion Ratio Lower Upper

85 100

87 31.5 25.7 38.5



Abundance Ion 85.00 (84.70 to 85.70): VV007126.D (-1) (-)



#3

Chloromethane

Concen: 14.912 ug/L

RT: 1.25 min Scan# 112

Delta R.T. -0.00 min

Lab File: VV007126.D

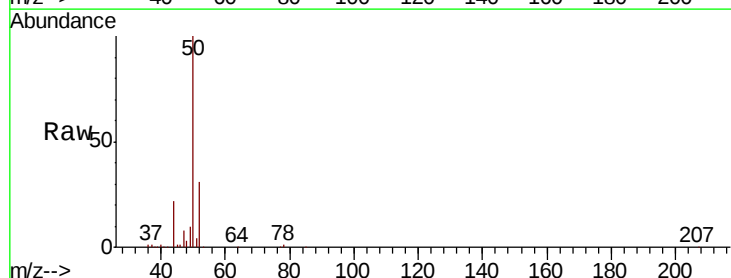
Acq: 22 Aug 2018 17:19

Tgt Ion: 50 Resp: 68261

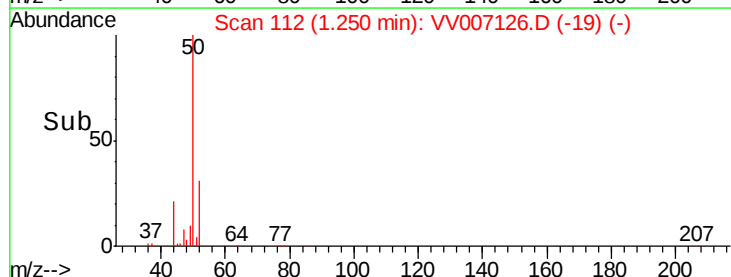
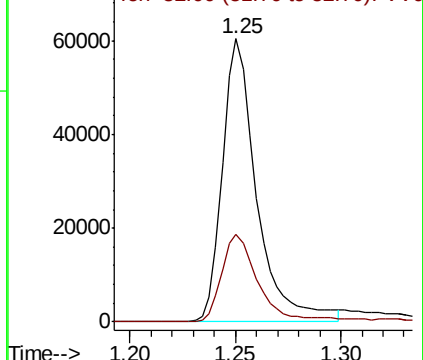
Ion Ratio Lower Upper

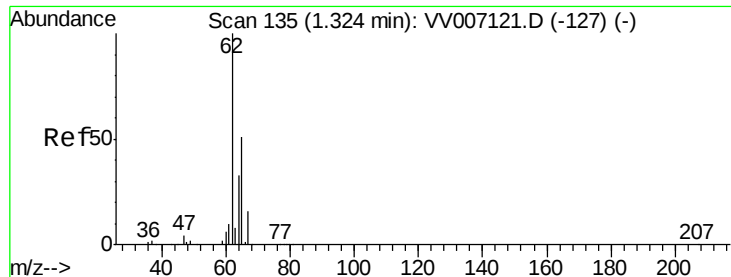
50 100

52 31.2 23.0 42.8



Abundance Ion 50.00 (49.70 to 50.70): VV007126.D (-19) (-)





#5

Vinyl chloride

Concen: 11.972 ug/L

RT: 1.32 min Scan# 135

Delta R.T. -0.00 min

Lab File: VV007126.D

Acq: 22 Aug 2018 17:19

Instrument :

MSVOA_V

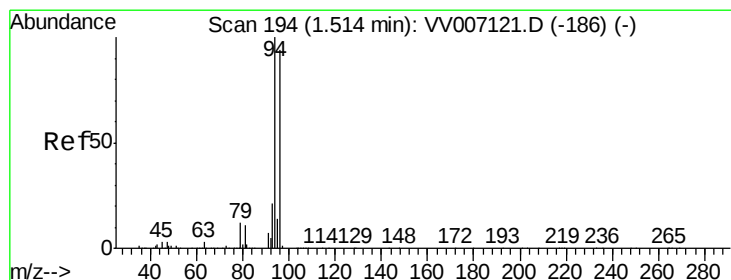
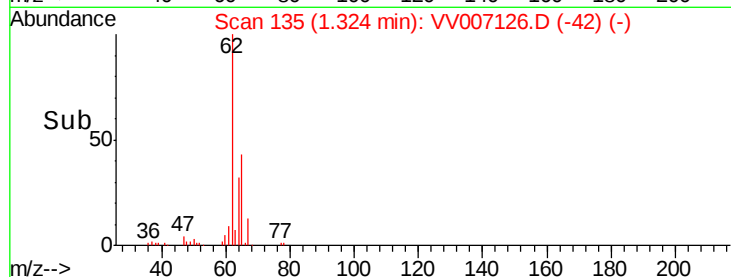
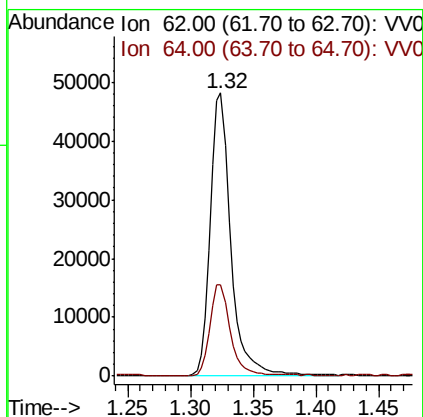
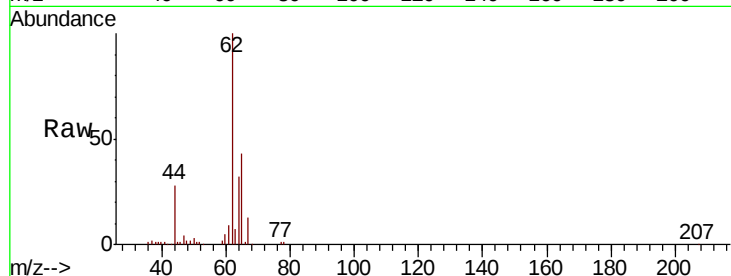
ClientSampled :

Tot Ion: 62 Resp: 55141

Ion Ratio Lower Upper

62 100

64 32.4 23.4 43.4



#6

Bromomethane

Concen: 6.214 ug/L

RT: 1.51 min Scan# 194

Delta R.T. -0.00 min

Lab File: VV007126.D

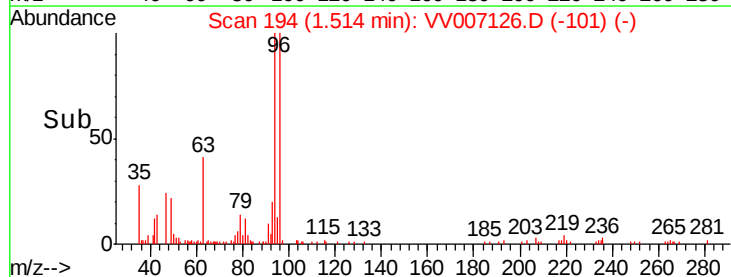
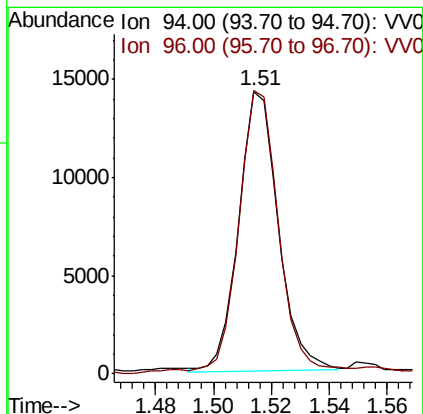
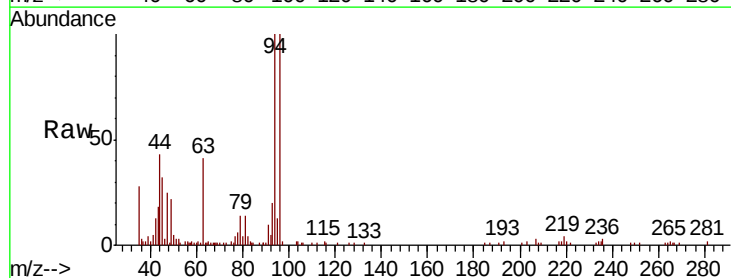
Acq: 22 Aug 2018 17:19

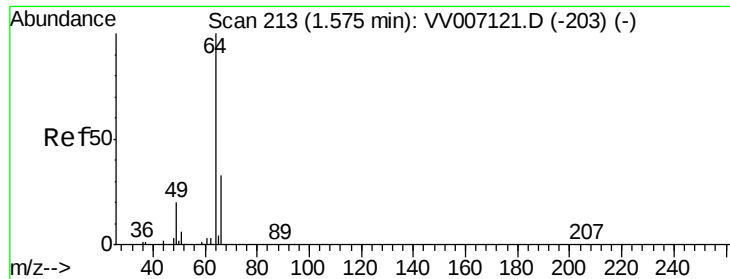
Tgt Ion: 94 Resp: 13534

Ion Ratio Lower Upper

94 100

96 100.2 65.5 121.6





#8

Chloroethane

Concen: 11.144 ug/L

RT: 1.58 min Scan# 214

Delta R.T. 0.00 min

Lab File: VV007126.D

Acq: 22 Aug 2018 17:19

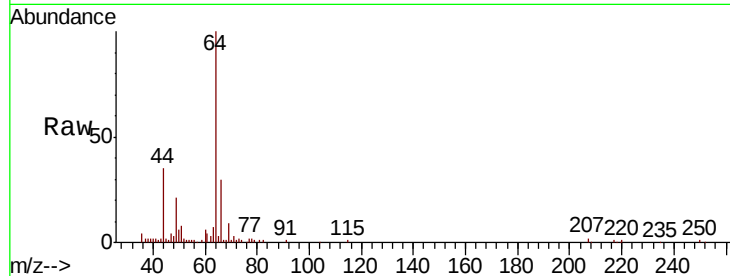
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 64 Resp: 30928

Ion Ratio Lower Upper

64 100

66 29.6 22.8 42.4



Abundance Ion 64.00 (63.70 to 64.70): VV007126.D (-64) (-)

Ion 66.00 (65.70 to 66.70): VV007126.D (-66) (-)

1.58

25000

20000

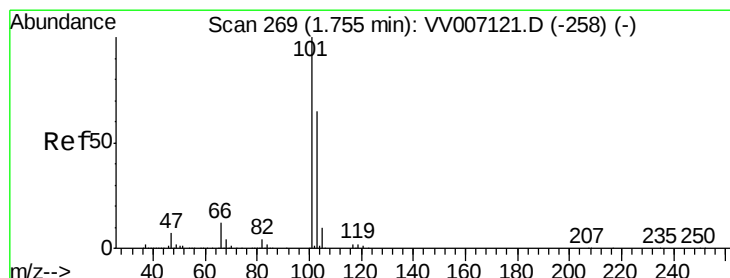
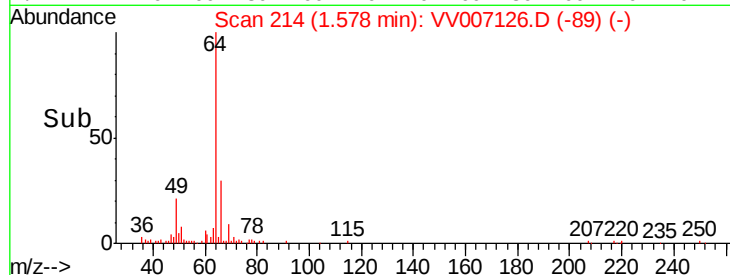
15000

10000

5000

0

Time--> 1.50 1.55 1.60 1.65



#9

Trichlorofluoromethane

Concen: 9.725 ug/L

RT: 1.76 min Scan# 269

Delta R.T. -0.00 min

Lab File: VV007126.D

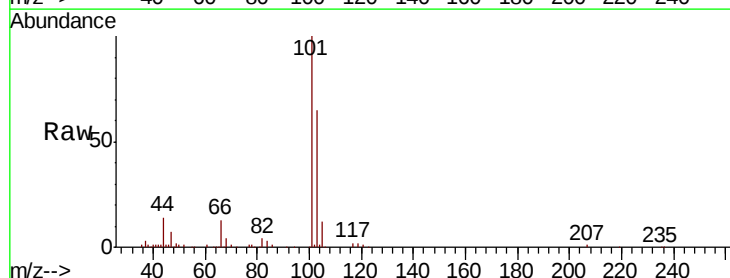
Acq: 22 Aug 2018 17:19

Tgt Ion: 101 Resp: 65875

Ion Ratio Lower Upper

101 100

103 65.6 52.5 78.7



Abundance Ion 101.00 (100.70 to 101.70): VV007126.D (-101) (-)

Ion 103.00 (102.70 to 103.70): VV007126.D (-103) (-)

1.76

60000

50000

40000

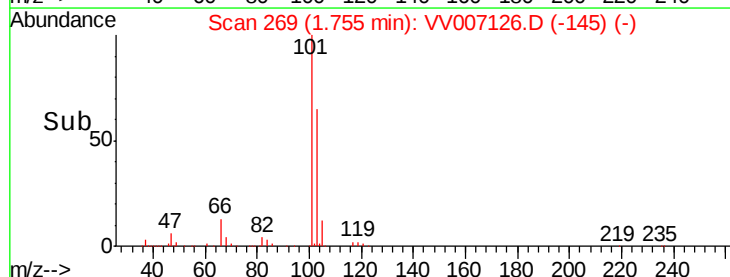
30000

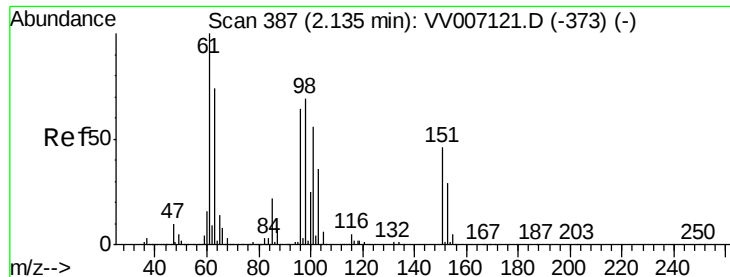
20000

10000

0

Time--> 1.70 1.75 1.80





#10

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

Concen: 11.070 ug/L

RT: 2.13 min Scan# 387

Delta R.T. -0.00 min

Lab File: VV007126.D

Acq: 22 Aug 2018 17:19

Instrument :

MSVOA_V

ClientSampleId :

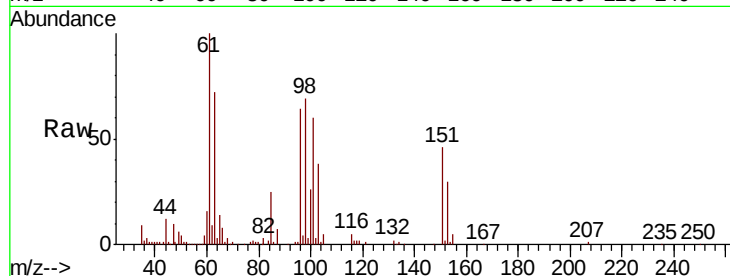
Tot Ion:101 Resp: 41463

Ion Ratio Lower Upper

101 100

85 41.1 32.5 48.7

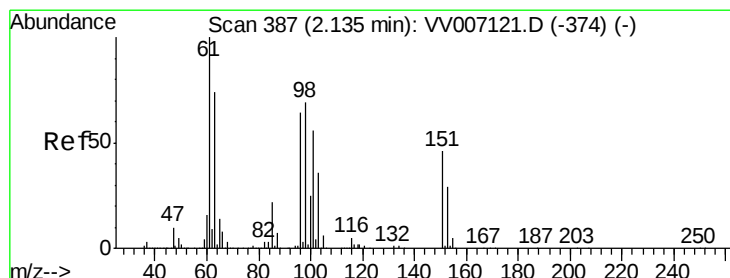
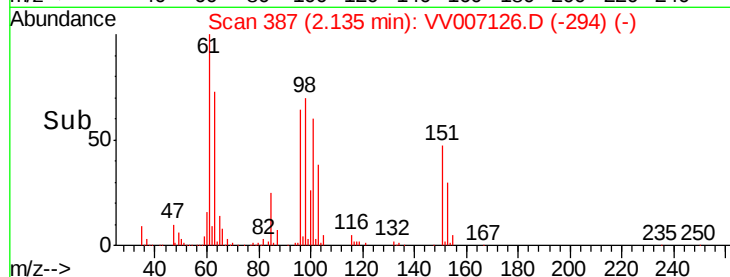
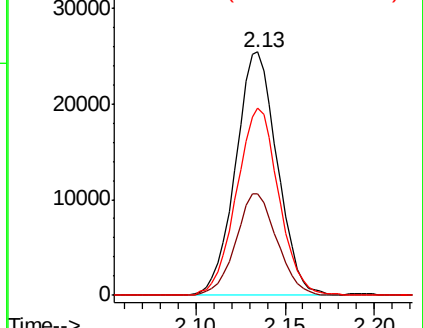
151 78.0 65.2 97.8



Abundance Ion 101.00 (100.70 to 101.70): VV007126.D (-294) (-)

Ion 85.00 (84.70 to 85.70): VV007126.D (-294) (-)

Ion 151.00 (150.70 to 151.70): VV007126.D (-294) (-)



#12

1,1-Dichloroethene

Concen: 11.238 ug/L

RT: 2.13 min Scan# 387

Delta R.T. -0.00 min

Lab File: VV007126.D

Acq: 22 Aug 2018 17:19

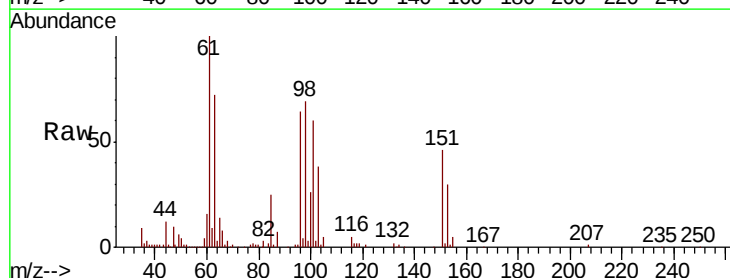
Tgt Ion: 96 Resp: 39125

Ion Ratio Lower Upper

96 100

61 156.4 110.0 204.2

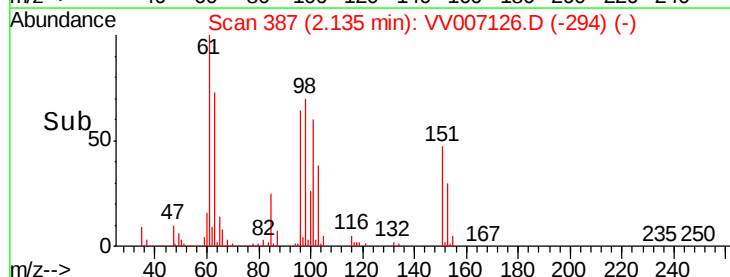
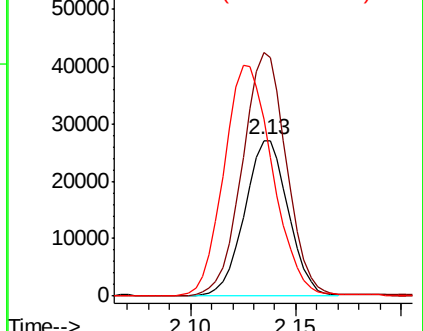
63 113.4 81.8 152.0

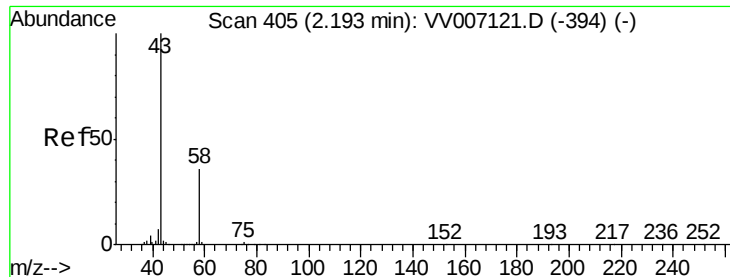


Abundance Ion 96.00 (95.70 to 96.70): VV007126.D (-294) (-)

Ion 61.00 (60.70 to 61.70): VV007126.D (-294) (-)

Ion 63.00 (62.70 to 63.70): VV007126.D (-294) (-)





#13

Acetone

Concen: 16.284 ug/L

RT: 2.20 min Scan# 406

Delta R.T. 0.00 min

Lab File: VV007126.D

Acq: 22 Aug 2018 17:19

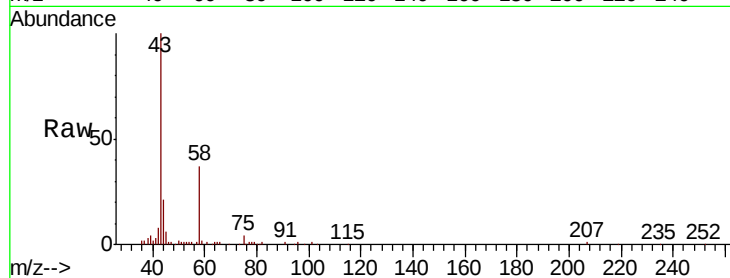
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 47098

Ion Ratio Lower Upper

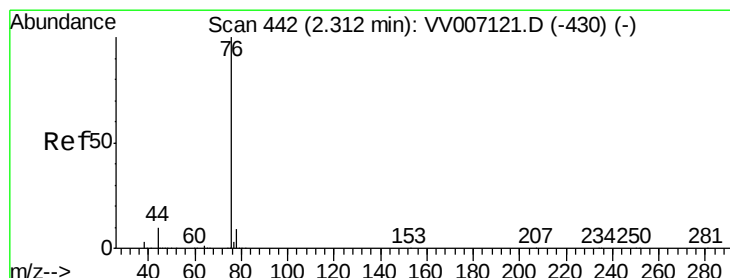
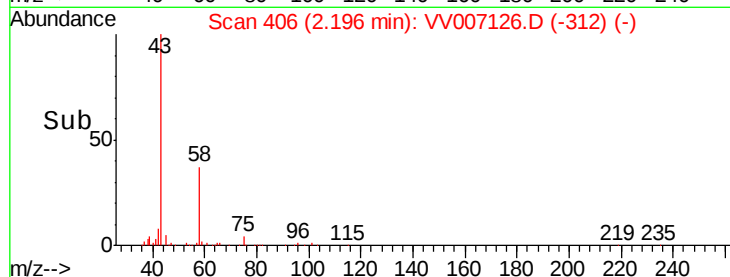
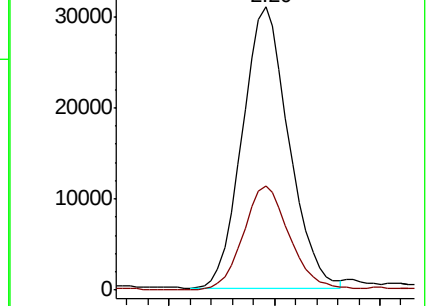
43 100

58 37.2 0.0 73.0



Abundance Ion 43.00 (42.70 to 43.70): VV007126.D (-312) (-)

Ion 58.00 (57.70 to 58.70): VV007126.D (-312) (-)



#14

Carbon disulfide

Concen: 14.231 ug/L

RT: 2.31 min Scan# 442

Delta R.T. -0.00 min

Lab File: VV007126.D

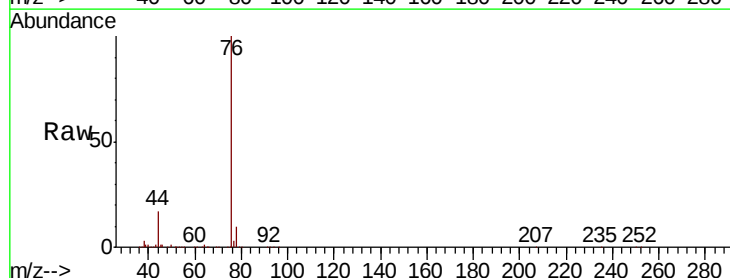
Acq: 22 Aug 2018 17:19

Tgt Ion: 76 Resp: 116619

Ion Ratio Lower Upper

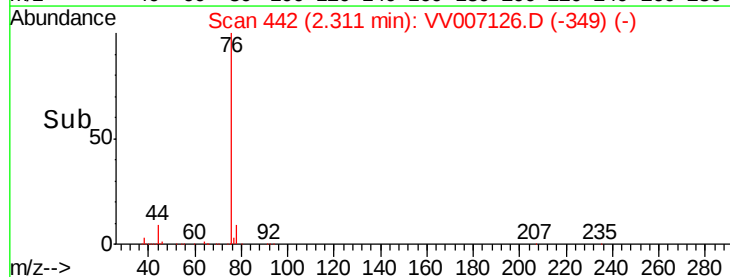
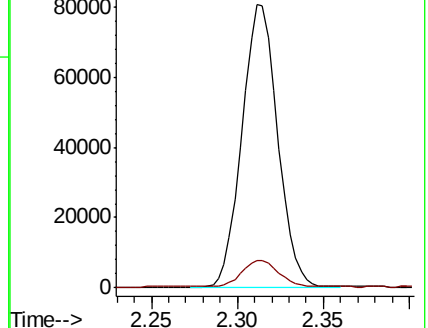
76 100

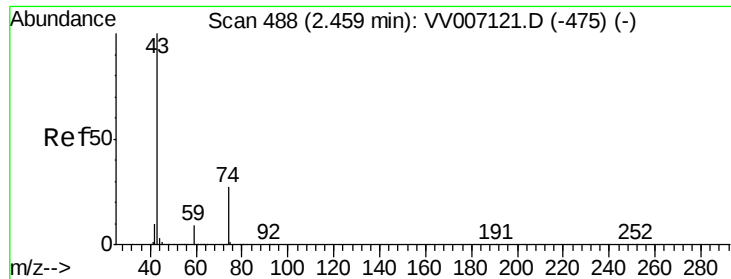
78 9.7 7.2 10.8



Abundance Ion 76.00 (75.70 to 76.70): VV007126.D (-349) (-)

Ion 78.00 (77.70 to 78.70): VV007126.D (-349) (-)

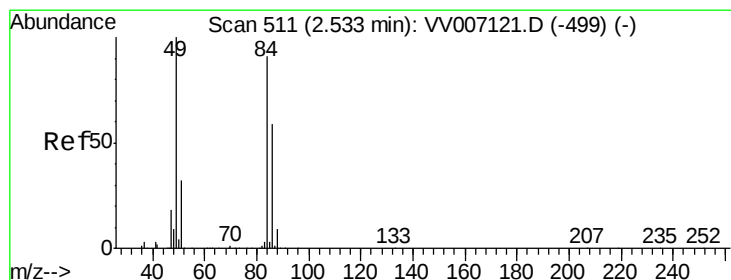
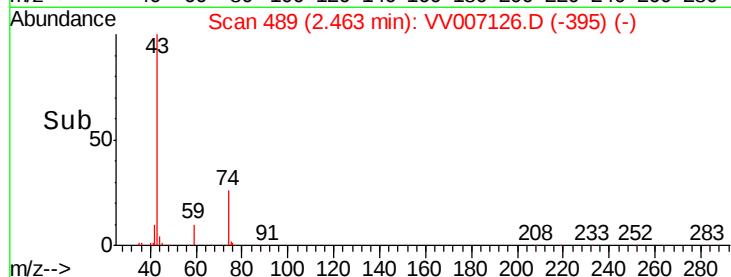
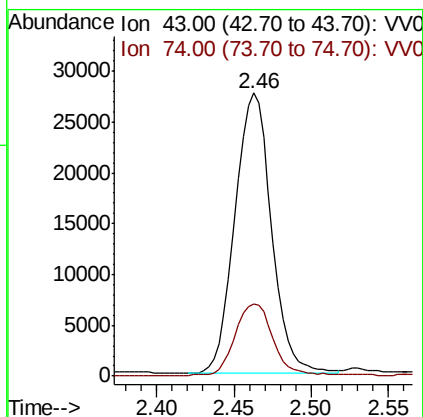
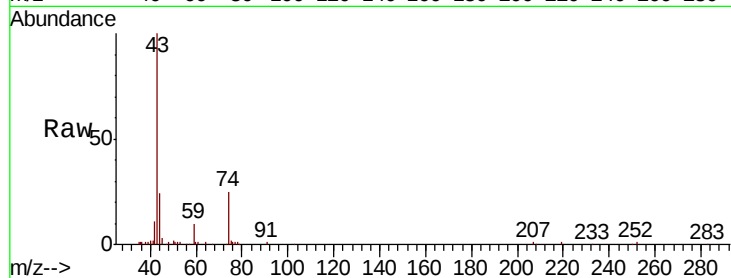




#15
Methvl Acetate
Concen: 10.505 ug/L
RT: 2.46 min Scan# 489
Delta R.T. 0.00 min
Lab File: VV007126.D
Acq: 22 Aug 2018 17:19

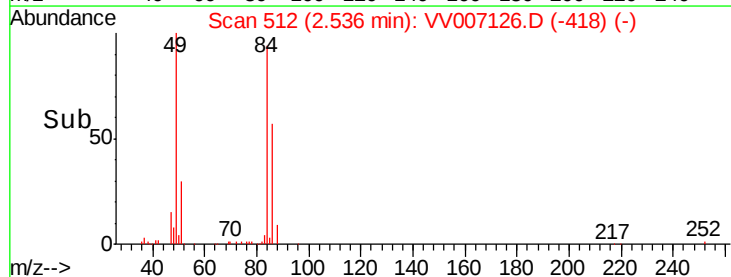
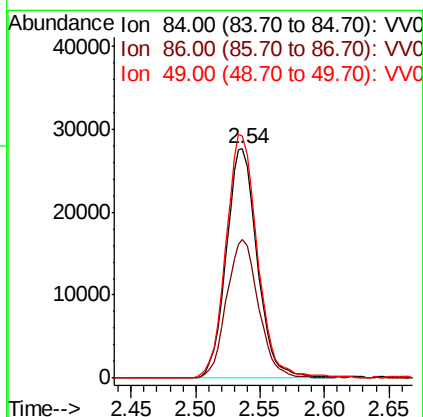
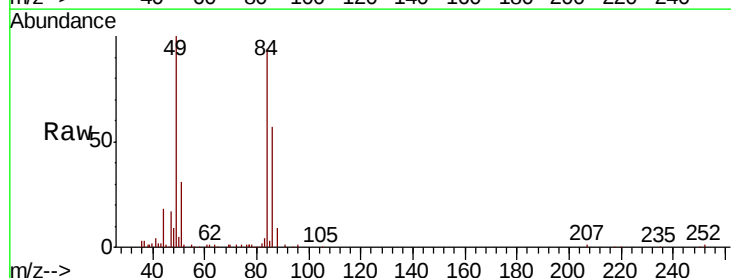
Instrument :
MSVOA_V
ClientSampleId :

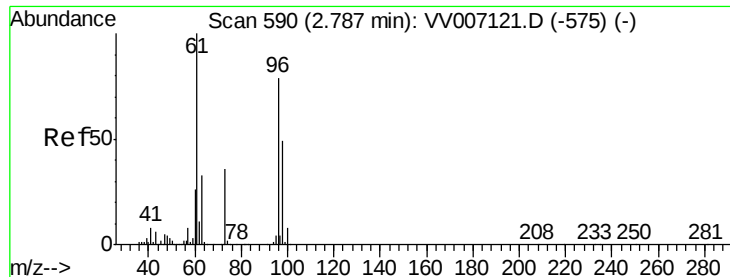
Tot Ion: 43 Resp: 45245
Ion Ratio Lower Upper
43 100
74 26.1 22.2 33.2



#16
Methylene chloride
Concen: 11.650 ug/L
RT: 2.54 min Scan# 512
Delta R.T. 0.00 min
Lab File: VV007126.D
Acq: 22 Aug 2018 17:19

Tgt Ion: 84 Resp: 46107
Ion Ratio Lower Upper
84 100
86 60.5 45.4 84.4
49 106.0 76.7 142.5





#17

trans-1,2-Dichloroethene

Concen: 12.451 ug/L

RT: 2.79 min Scan# 590

Delta R.T. -0.00 min

Lab File: VV007126.D

Acq: 22 Aug 2018 17:19

Instrument :
MSVOA_V
ClientSampleId :

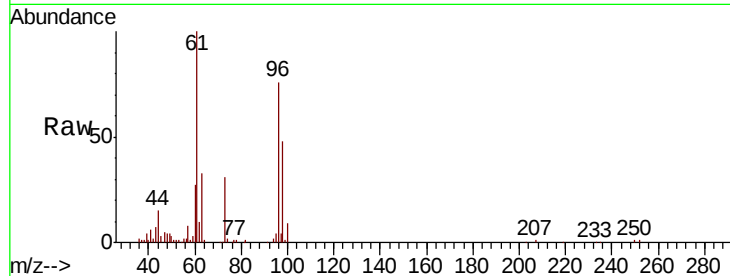
Tot Ion: 96 Resp: 42378

Ion Ratio Lower Upper

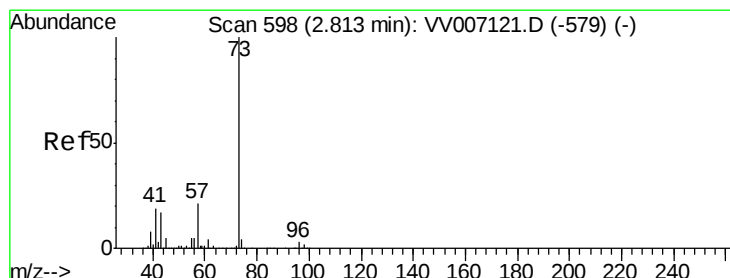
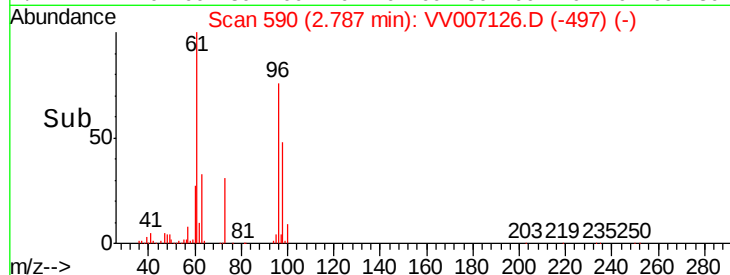
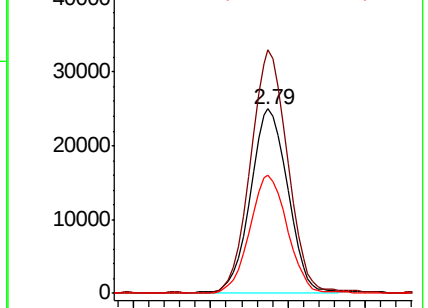
96 100

61 132.0 89.1 165.5

98 63.9 43.6 81.0



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



#18

Methyl tert-butyl Ether

Concen: 11.109 ug/L

RT: 2.81 min Scan# 598

Delta R.T. -0.00 min

Lab File: VV007126.D

Acq: 22 Aug 2018 17:19

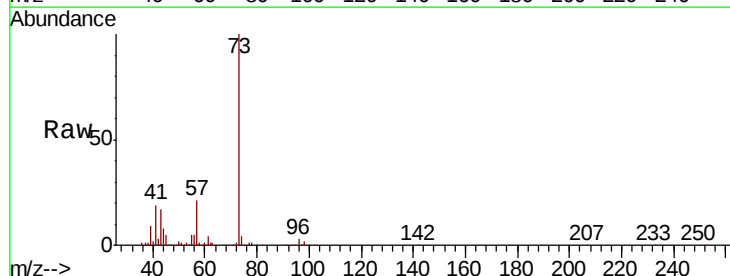
Tgt Ion: 73 Resp: 129819

Ion Ratio Lower Upper

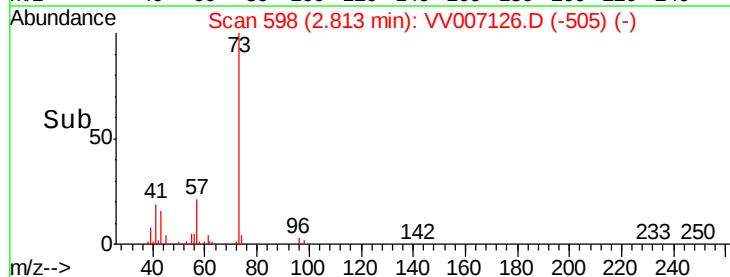
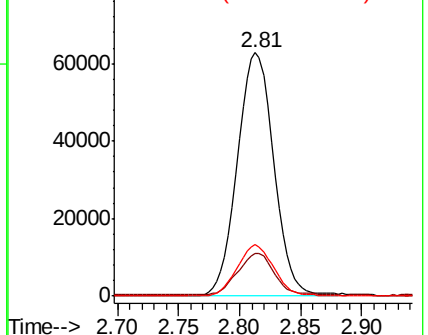
73 100

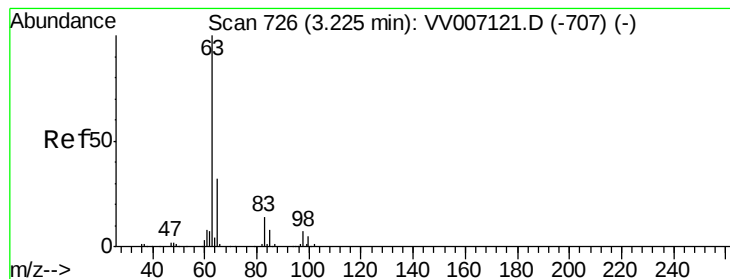
43 16.3 13.6 20.4

57 21.2 16.6 25.0



Abundance Ion 73.00 (72.70 to 73.70): VV0
Ion 43.00 (42.70 to 43.70): VV0
Ion 57.00 (56.70 to 57.70): VV0





#19

1,1-Dichloroethane

Concen: 12.327 ug/L

RT: 3.23 min Scan# 727

Delta R.T. 0.00 min

Lab File: VV007126.D

Acq: 22 Aug 2018 17:19

Instrument :

MSVOA_V

ClientSampled :

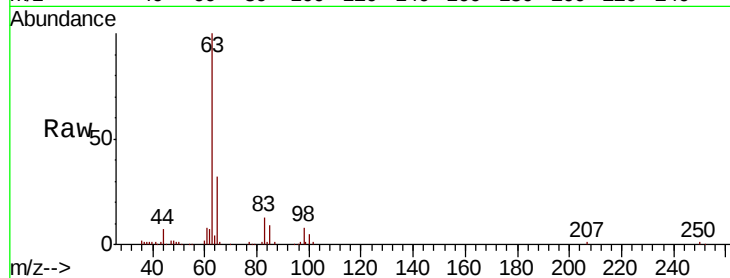
Tot Ion: 63 Resp: 86154

Ion Ratio Lower Upper

63 100

65 32.1 22.7 42.3

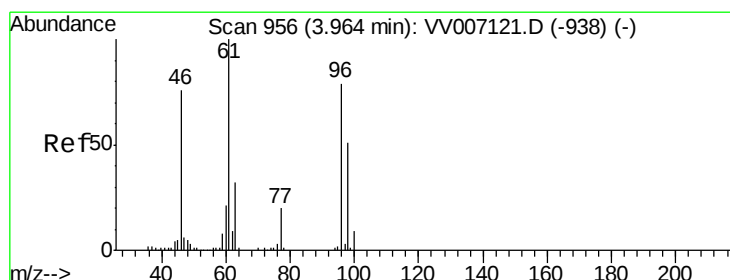
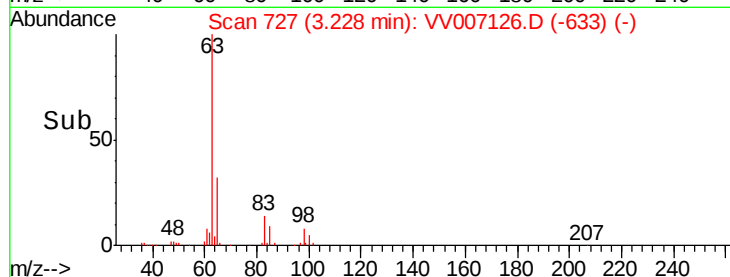
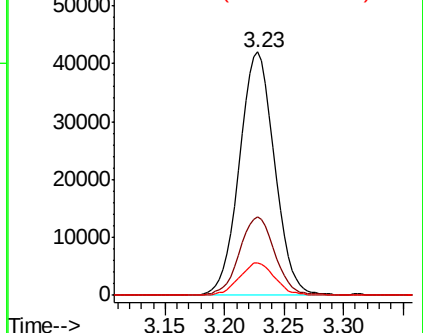
83 13.5 9.4 17.6



Abundance Ion 63.00 (62.70 to 63.70): VV007126.D (-633) (-)

Ion 65.00 (64.70 to 65.70): VV007126.D (-653) (-)

Ion 83.00 (82.70 to 83.70): VV007126.D (-833) (-)



#20

cis-1,2-Dichloroethene

Concen: 11.875 ug/L

RT: 3.96 min Scan# 956

Delta R.T. -0.00 min

Lab File: VV007126.D

Acq: 22 Aug 2018 17:19

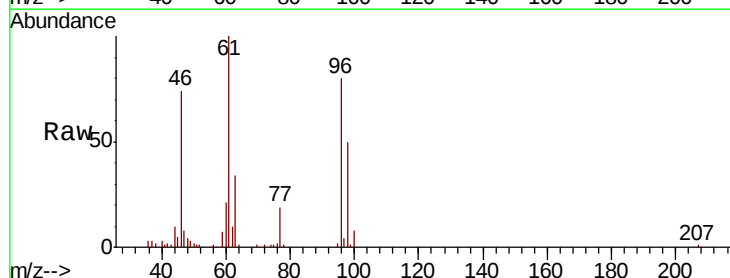
Tgt Ion: 96 Resp: 47434

Ion Ratio Lower Upper

96 100

61 125.3 89.0 165.4

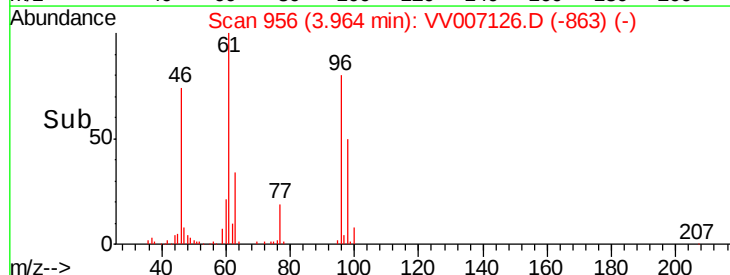
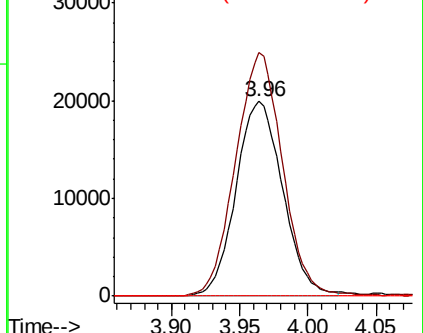
68 0.0 0.0 0.0

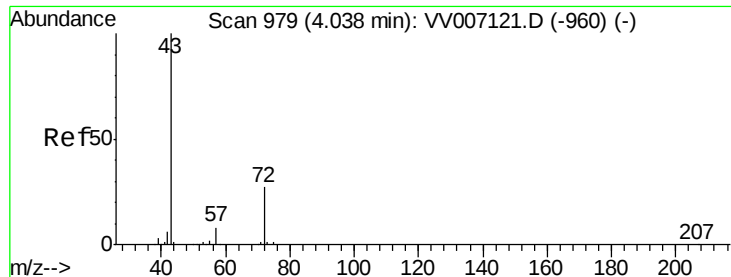


Abundance Ion 96.00 (95.70 to 96.70): VV007126.D (-863) (-)

Ion 61.00 (60.70 to 61.70): VV007126.D (-613) (-)

Ion 68.00 (67.70 to 68.70): VV007126.D (-683) (-)





#22

2-Butanone

Concen: 20.370 ug/L

RT: 4.04 min Scan# 980

Delta R.T. 0.00 min

Lab File: VV007126.D

Acq: 22 Aug 2018 17:19

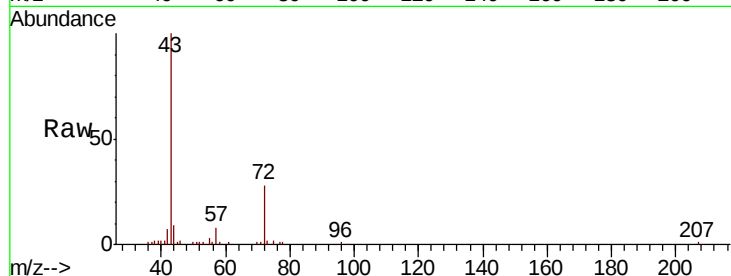
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 70931

Ion Ratio Lower Upper

43 100

72 27.3 13.6 40.8



Abundance Ion 43.00 (42.70 to 43.70): VV007126.D (-986) (-)

Ion 72.00 (71.70 to 72.70): VV007126.D (-986) (-)

4.04

30000

25000

20000

15000

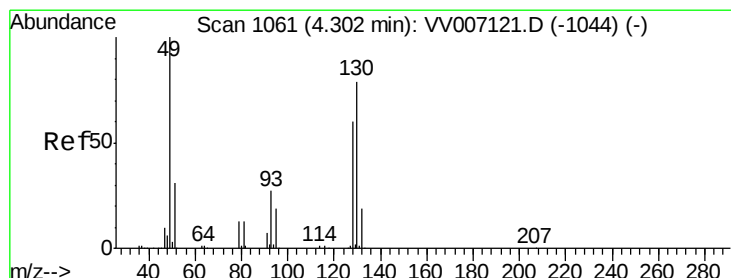
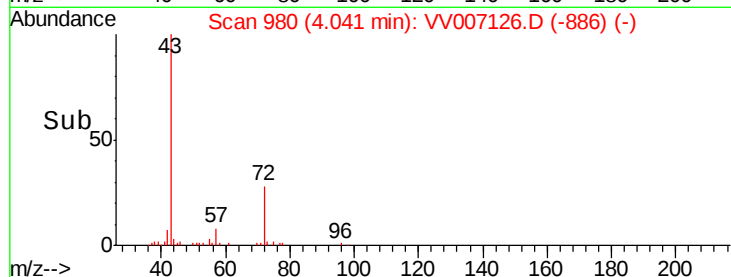
10000

5000

0

Time-->

3.95 4.00 4.05 4.10 4.15



#23

Bromochloromethane

Concen: 12.534 ug/L

RT: 4.30 min Scan# 1061

Delta R.T. -0.00 min

Lab File: VV007126.D

Acq: 22 Aug 2018 17:19

Tgt Ion:128 Resp: 24973

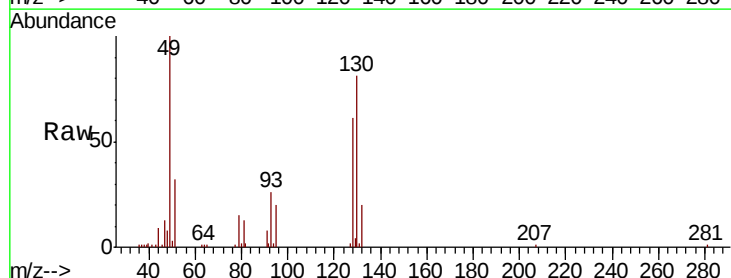
Ion Ratio Lower Upper

128 100

49 163.5 116.4 216.2

130 133.1 91.6 170.2

51 52.9 41.4 62.2



Abundance Ion 128.00 (127.70 to 128.70): VV007126.D (-968) (-)

Ion 49.00 (48.70 to 49.70): VV007126.D (-968) (-)

Ion 130.00 (129.70 to 130.70): VV007126.D (-968) (-)

Ion 51.00 (50.70 to 51.70): VV007126.D (-968) (-)

25000

20000

15000

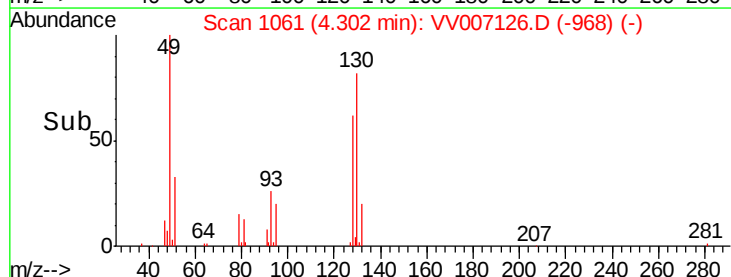
10000

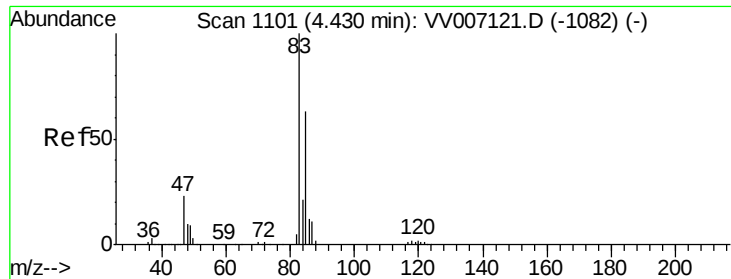
5000

0

Time-->

4.20 4.25 4.30 4.35 4.40





#25

Chloroform

Concen: 11.277 ug/L

RT: 4.43 min Scan# 1101

Delta R.T. -0.00 min

Lab File: VV007126.D

Acq: 22 Aug 2018 17:19

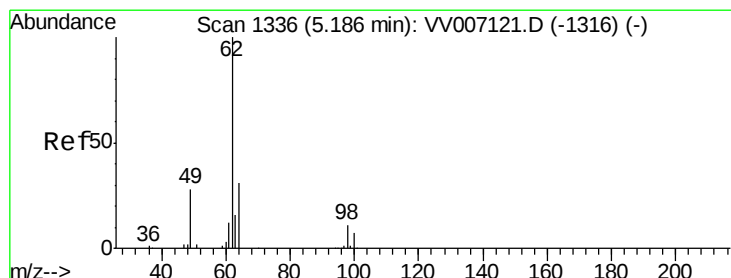
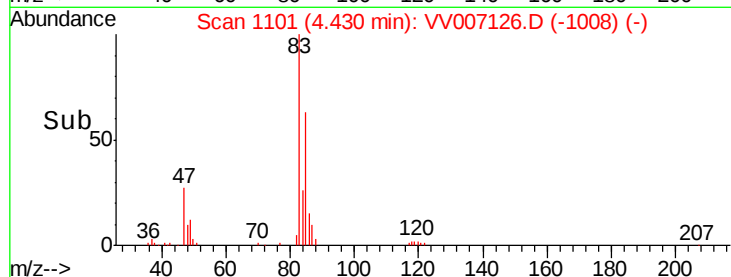
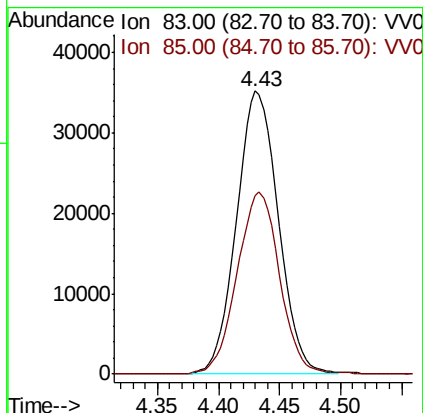
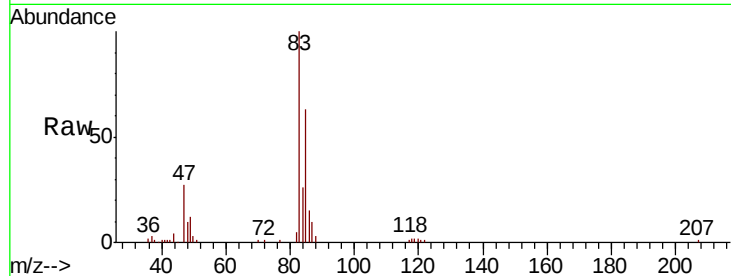
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 83 Resp: 83648

Ion Ratio Lower Upper

83 100

85 63.1 44.4 82.5



#27

1,2-Dichloroethane

Concen: 10.074 ug/L

RT: 5.19 min Scan# 1336

Delta R.T. -0.00 min

Lab File: VV007126.D

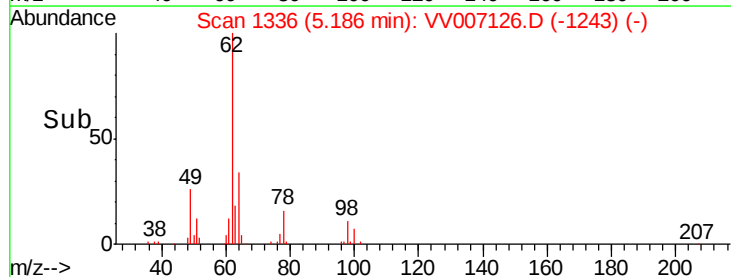
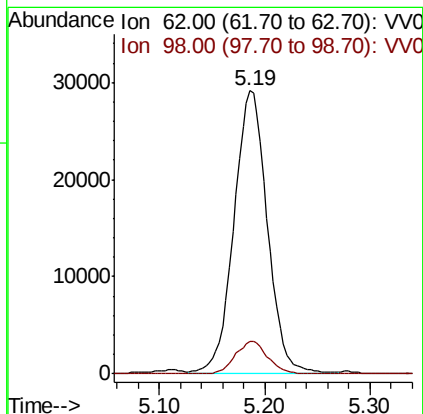
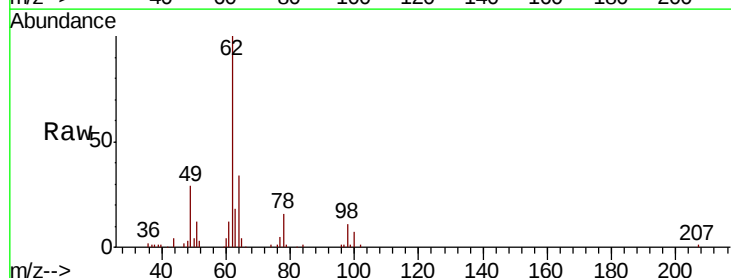
Acq: 22 Aug 2018 17:19

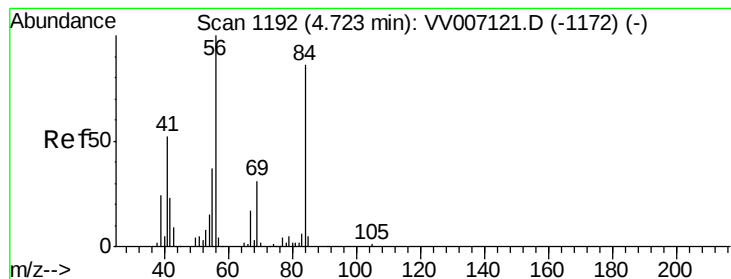
Tgt Ion: 62 Resp: 64305

Ion Ratio Lower Upper

62 100

98 11.4 8.7 13.1





#29

Cyclohexane

Concen: 11.244 ug/L

RT: 4.72 min Scan# 1192

Delta R.T. -0.00 min

Lab File: VV007126.D

Acq: 22 Aug 2018 17:19

Instrument :
MSVOA_V
ClientSampleId :

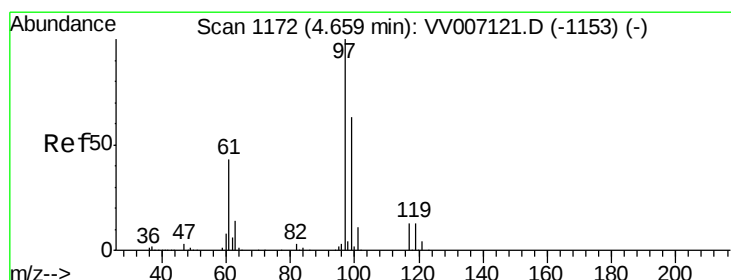
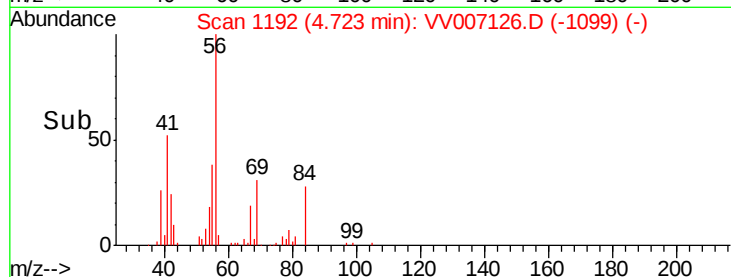
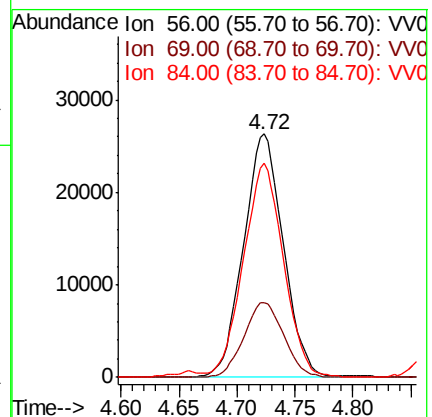
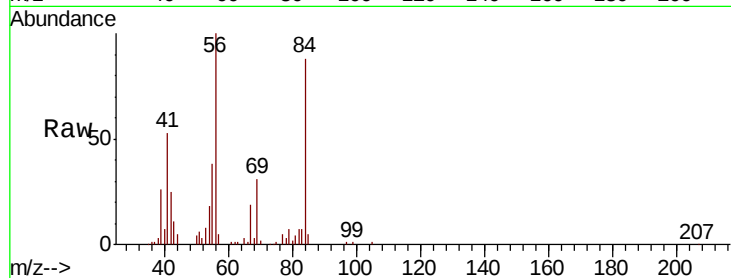
Tot Ion: 56 Resp: 63039

Ion Ratio Lower Upper

56 100

69 30.7 24.5 36.7

84 88.5 69.0 103.6



#30

1,1,1-Trichloroethane

Concen: 11.115 ug/L

RT: 4.66 min Scan# 1172

Delta R.T. -0.00 min

Lab File: VV007126.D

Acq: 22 Aug 2018 17:19

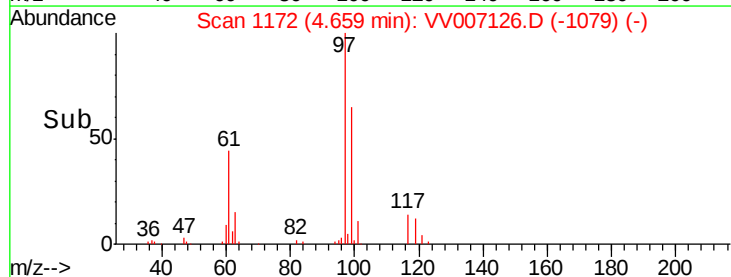
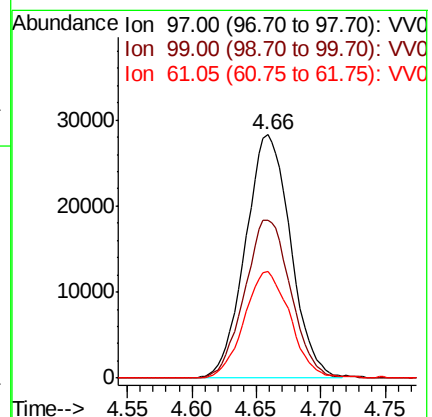
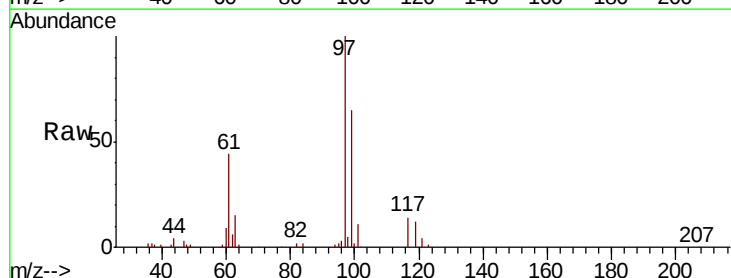
Tgt Ion: 97 Resp: 69170

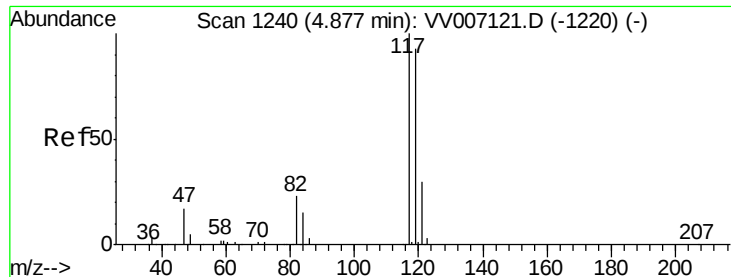
Ion Ratio Lower Upper

97 100

99 66.3 51.3 76.9

61 44.3 34.8 52.2





#31

Carbon tetrachloride

Concen: 10.833 ug/L

RT: 4.88 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VV007126.D

Acq: 22 Aug 2018 17:19

Instrument :

MSVOA_V

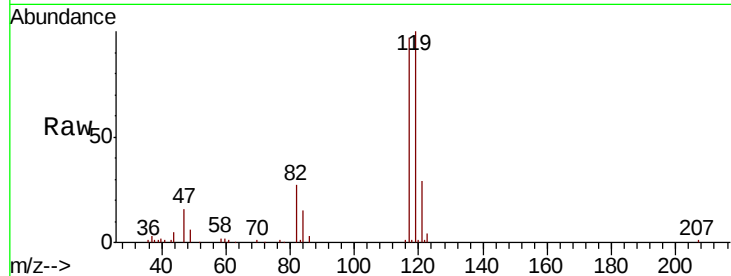
ClientSampled :

Tot Ion:117 Resp: 57603

Ion Ratio Lower Upper

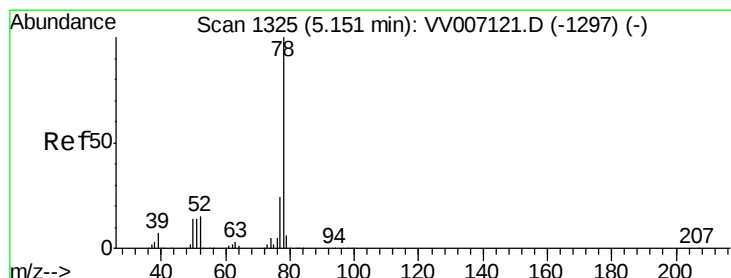
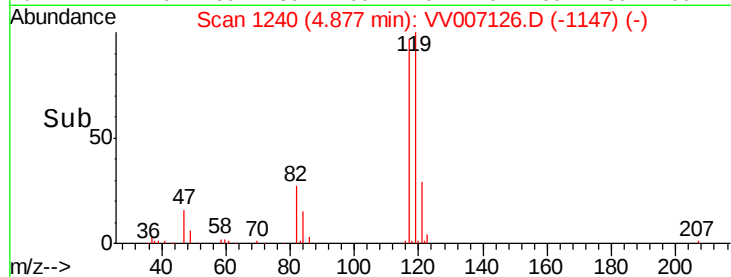
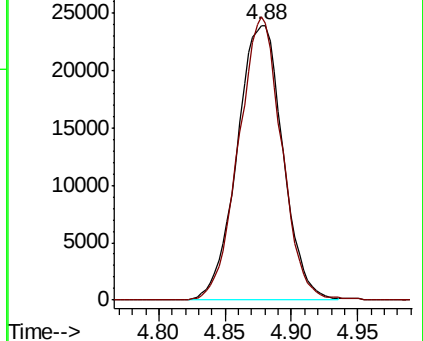
117 100

119 96.4 77.4 116.2



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 11.970 ug/L

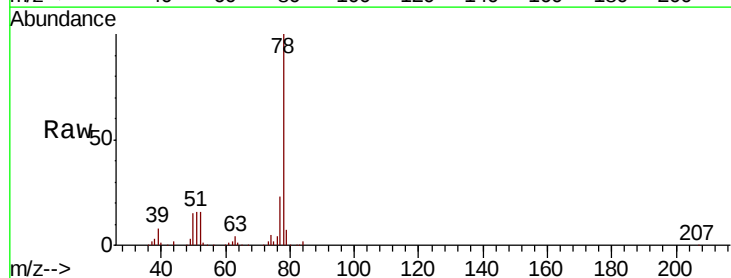
RT: 5.15 min Scan# 1325

Delta R.T. -0.00 min

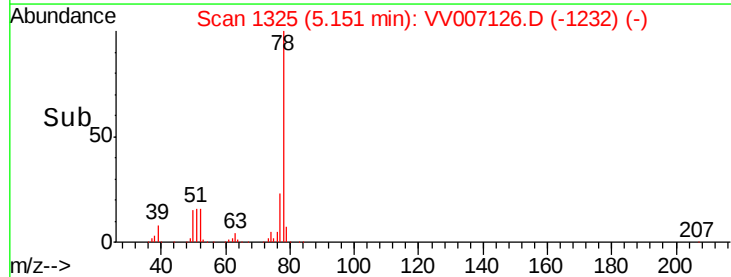
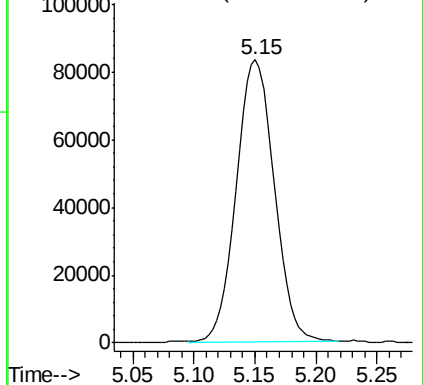
Lab File: VV007126.D

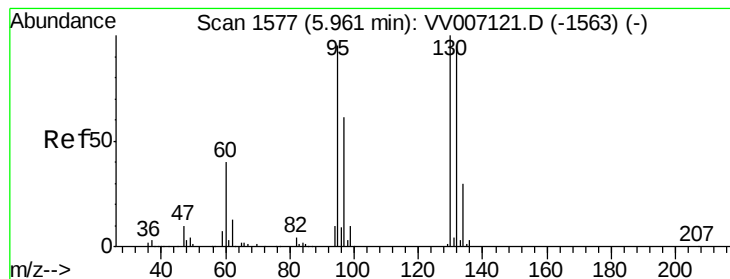
Acq: 22 Aug 2018 17:19

Tgt Ion: 78 Resp: 180107



Abundance Ion 78.00 (77.70 to 78.70): VV0





#34

Trichloroethene

Concen: 11.596 ug/L

RT: 5.96 min Scan# 1577

Delta R.T. -0.00 min

Lab File: VV007126.D

Acq: 22 Aug 2018 17:19

Instrument :

MSVOA_V

ClientSampled :

Tot Ion: 95 Resp: 44471

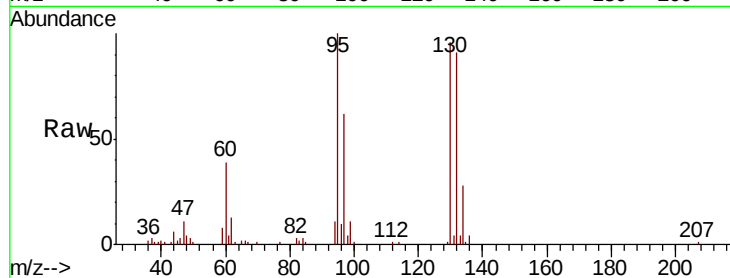
Ion Ratio Lower Upper

95 100

97 61.8 45.1 83.9

132 91.0 69.7 129.4

130 95.6 73.6 136.6

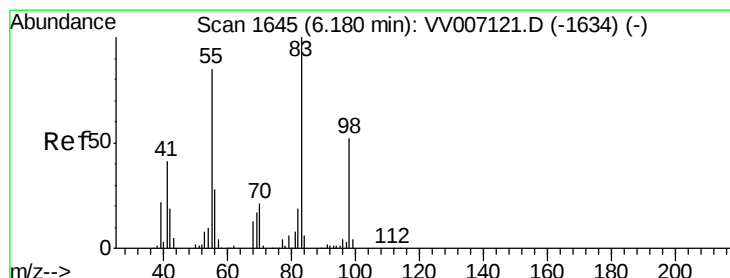
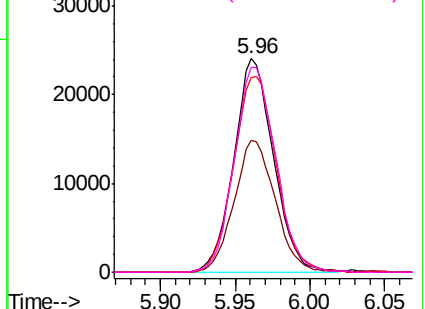
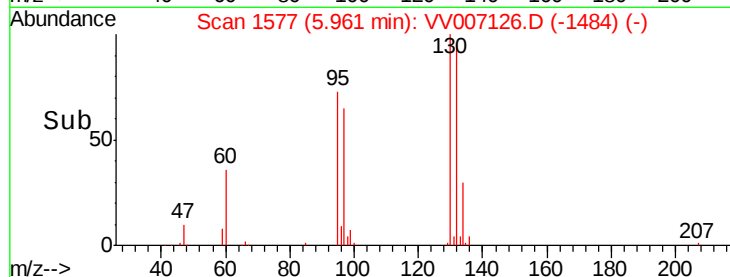


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): VV0

Ion 130.00 (129.70 to 130.70): VV0



#35

Methylcyclohexane

Concen: 10.816 ug/L

RT: 6.18 min Scan# 1645

Delta R.T. -0.00 min

Lab File: VV007126.D

Acq: 22 Aug 2018 17:19

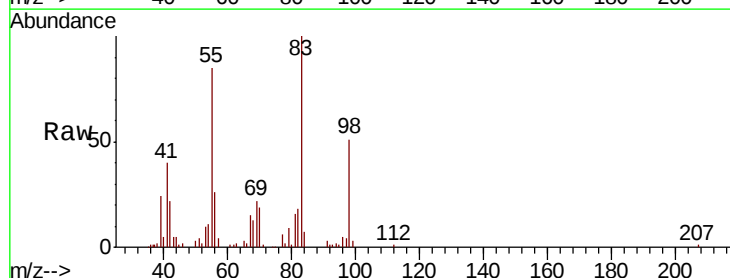
Tgt Ion: 83 Resp: 62916

Ion Ratio Lower Upper

83 100

55 82.3 65.5 98.3

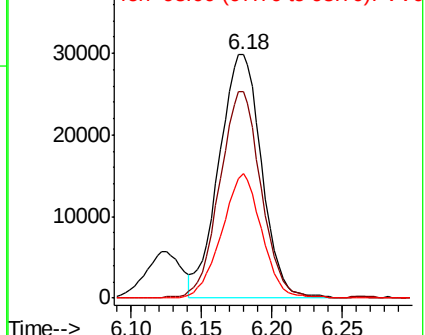
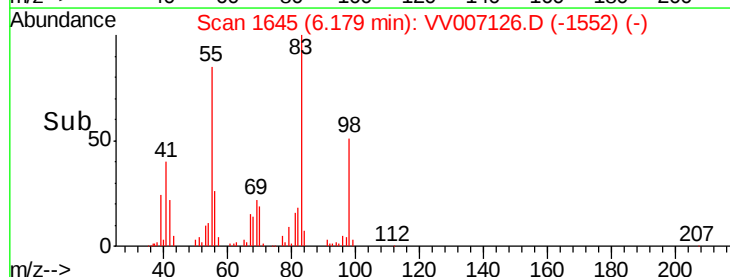
98 47.8 39.2 58.8

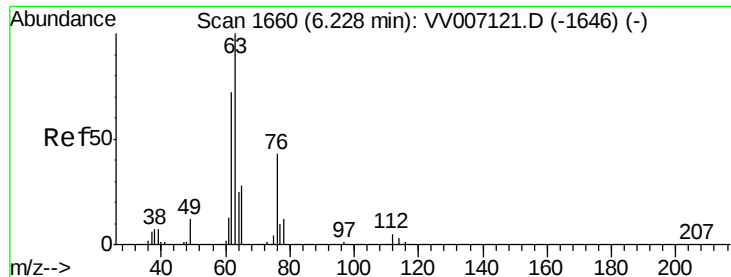


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

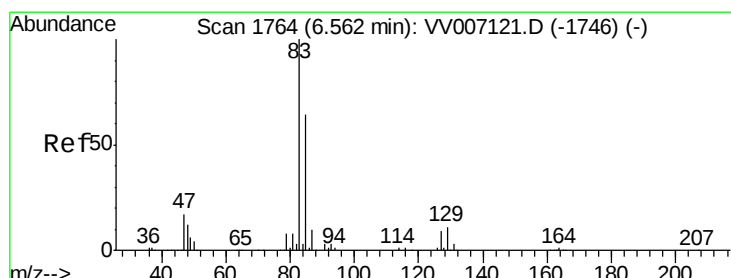
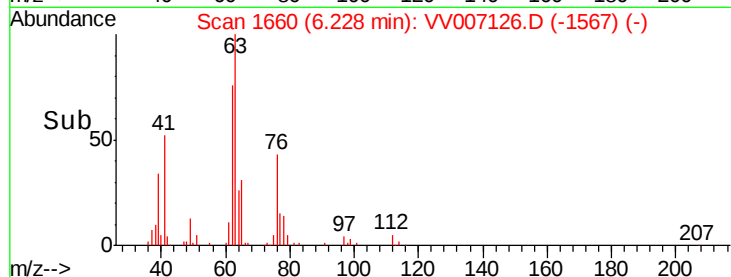
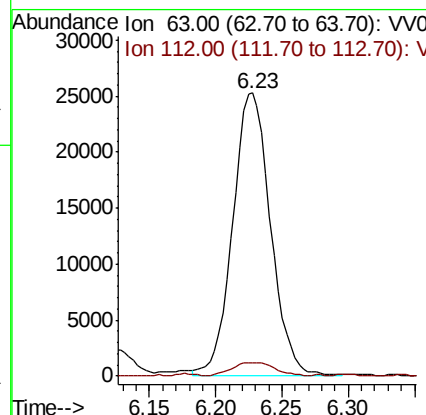
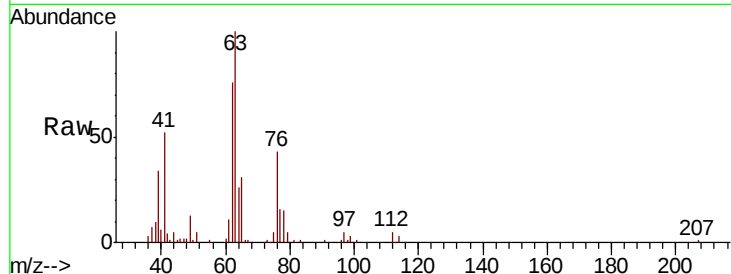




#37
 1,2-Dichloropropane
 Concen: 12.309 ug/L
 RT: 6.23 min Scan# 1660
 Delta R.T. -0.00 min
 Lab File: VV007126.D
 Acq: 22 Aug 2018 17:19

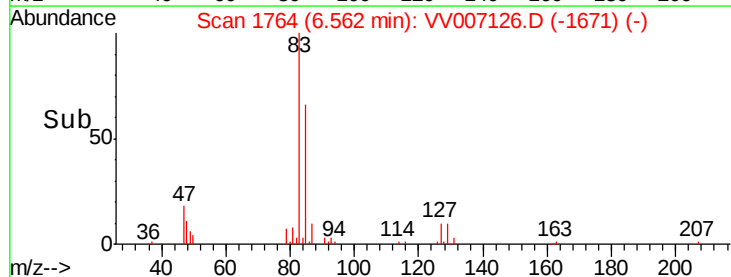
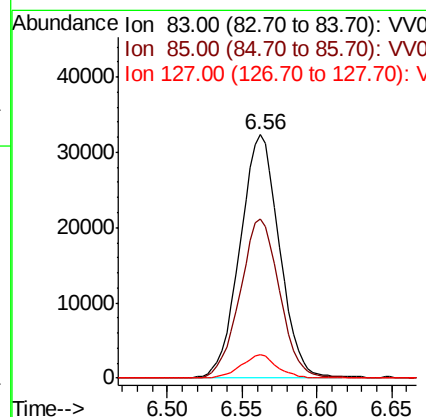
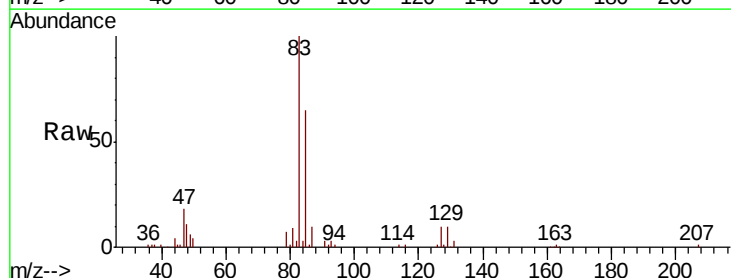
Instrument :
 MSVOA_V
 ClientSampleId :

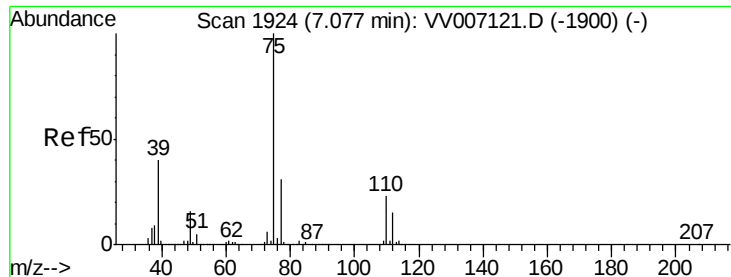
Tot Ion: 63 Resp: 50232
 Ion Ratio Lower Upper
 63 100
 112 2.8 4.0 6.0#



#38
 Bromodichloromethane
 Concen: 11.456 ug/L
 RT: 6.56 min Scan# 1764
 Delta R.T. -0.00 min
 Lab File: VV007126.D
 Acq: 22 Aug 2018 17:19

Tgt Ion: 83 Resp: 59374
 Ion Ratio Lower Upper
 83 100
 85 65.4 44.9 83.3
 127 9.6 7.0 10.4



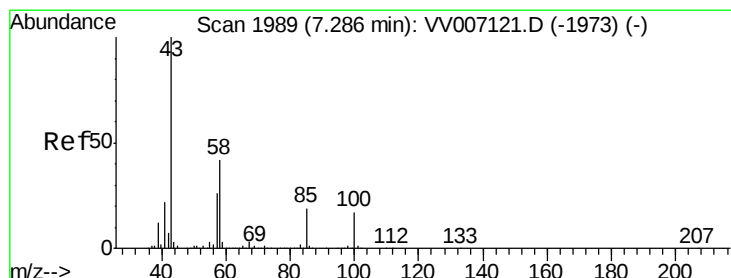
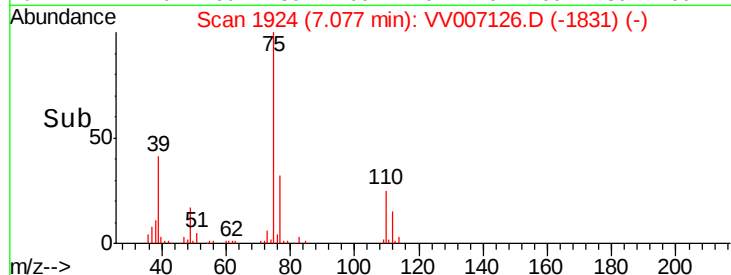
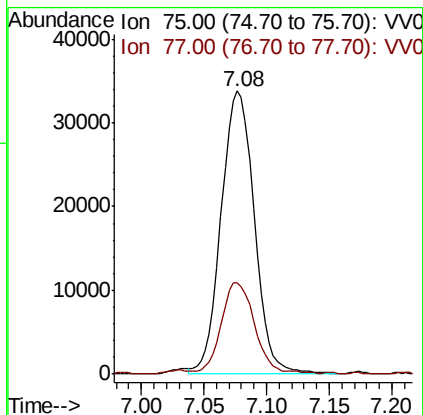
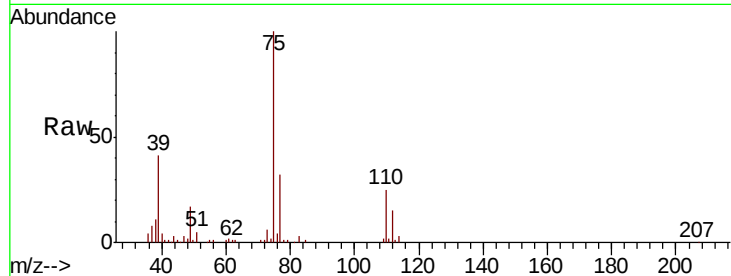


#39

cis-1,3-Dichloropropene
Concen: 10.745 ug/L
RT: 7.08 min Scan# 1924
Delta R.T. -0.00 min
Lab File: VV007126.D
Acq: 22 Aug 2018 17:19

Instrument :
MSVOA_V
ClientSampleId :

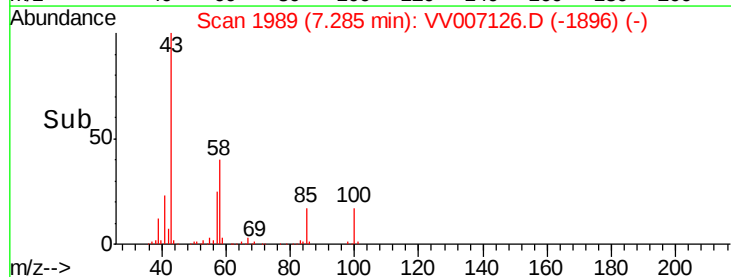
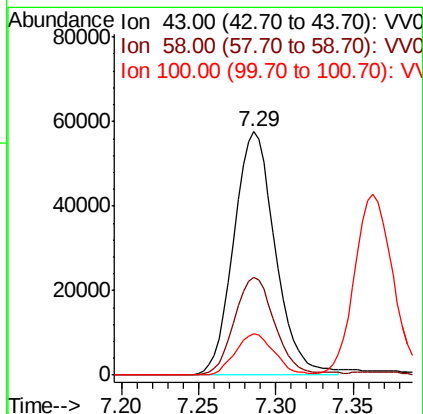
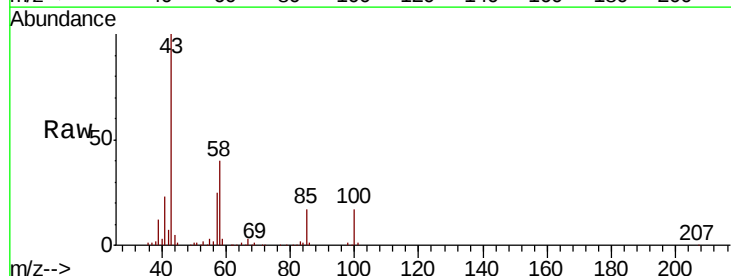
Tot Ion: 75 Resp: 62120
Ion Ratio Lower Upper
75 100
77 32.4 21.8 40.4

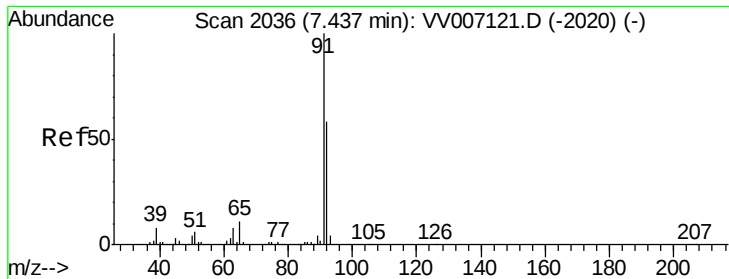


#40

4-Methyl-2-pentanone
Concen: 18.247 ug/L
RT: 7.29 min Scan# 1989
Delta R.T. -0.00 min
Lab File: VV007126.D
Acq: 22 Aug 2018 17:19

Tgt Ion: 43 Resp: 107634
Ion Ratio Lower Upper
43 100
58 39.0 33.4 50.0
100 16.0 13.1 19.7





#42

Toluene

Concen: 10.517 ug/L

RT: 7.44 min Scan# 2036

Delta R.T. -0.00 min

Lab File: VV007126.D

Acq: 22 Aug 2018 17:19

Instrument :

MSVOA_V

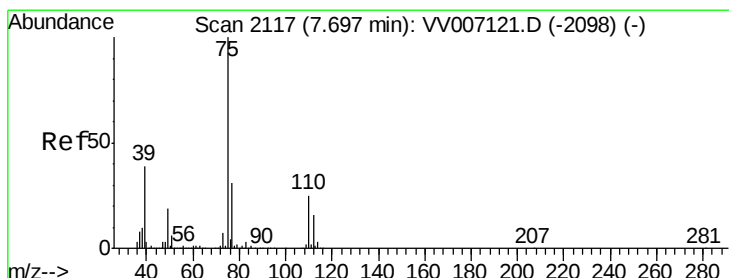
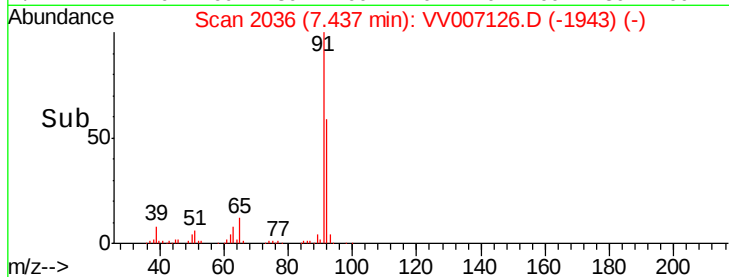
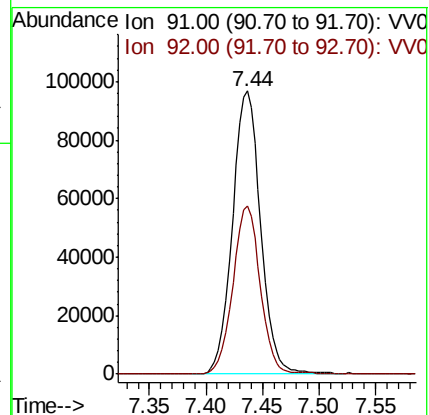
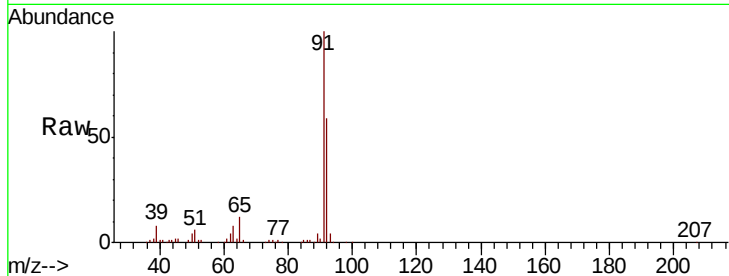
ClientSampled :

Tot Ion: 91 Resp: 168016

Ion Ratio Lower Upper

91 100

92 59.5 40.9 75.9



#44

trans-1,3-Dichloropropene

Concen: 10.081 ug/L

RT: 7.70 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VV007126.D

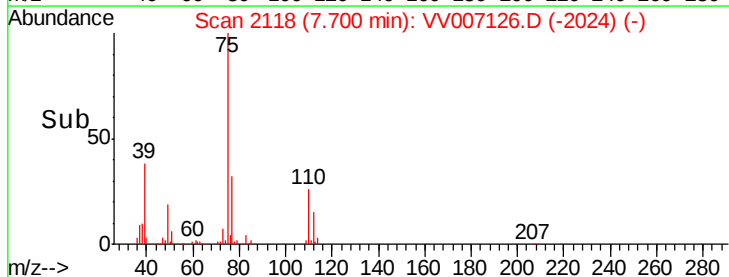
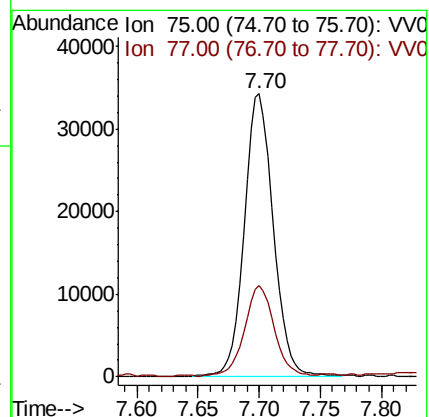
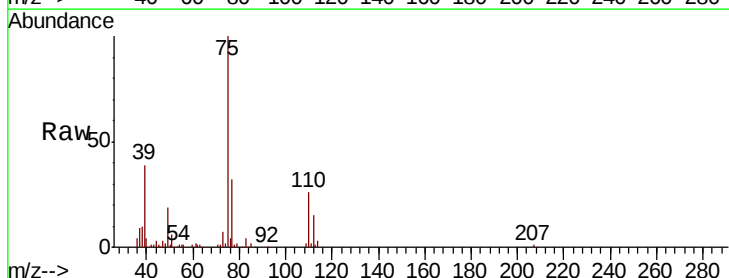
Acq: 22 Aug 2018 17:19

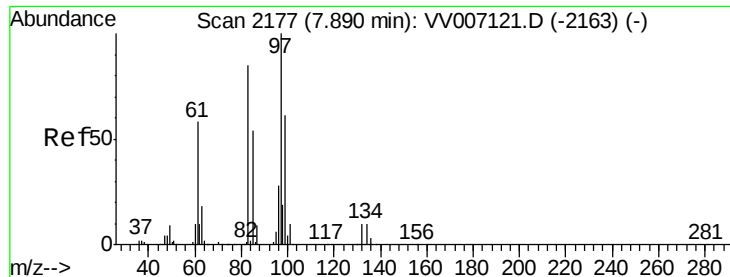
Tgt Ion: 75 Resp: 56256

Ion Ratio Lower Upper

75 100

77 32.3 22.0 41.0

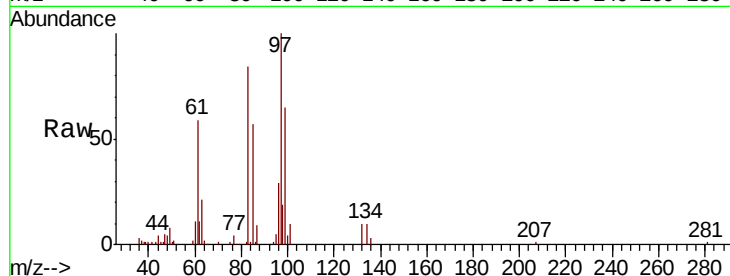




#45
 1,1,2-Trichloroethane
 Concen: 12.063 ug/L
 RT: 7.89 min Scan# 2177
 Delta R.T. -0.00 min
 Lab File: VV007126.D
 Acq: 22 Aug 2018 17:19

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:	97	Resp:	46910
Ion	Ratio	Lower	Upper
97	100		
99	64.6	42.8	79.4
83	84.5	59.6	110.8
85	56.7	37.6	69.8



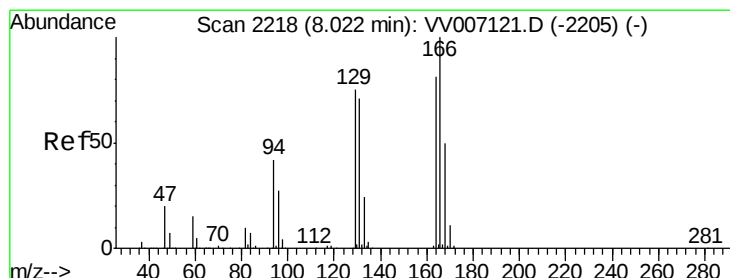
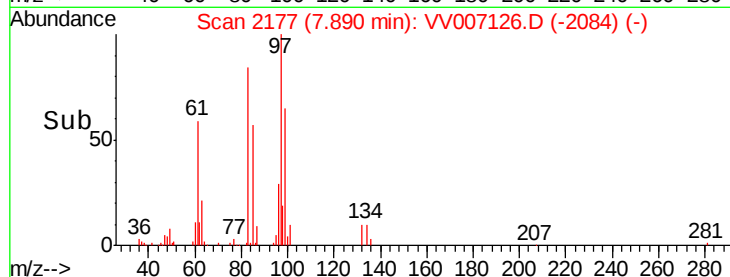
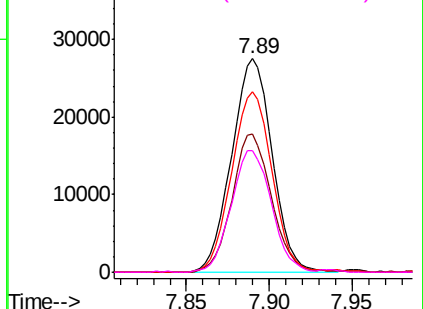
Abundance

Ion 97.00 (96.70 to 97.70): VV007126.D (-2084) (-)

Ion 99.00 (98.70 to 99.70): VV007126.D (-2084) (-)

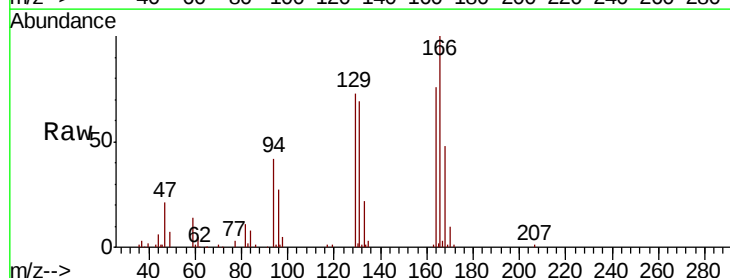
Ion 83.00 (82.70 to 83.70): VV007126.D (-2084) (-)

Ion 85.00 (84.70 to 85.70): VV007126.D (-2084) (-)



#46
 Tetrachloroethene
 Concen: 11.799 ug/L
 RT: 8.02 min Scan# 2218
 Delta R.T. -0.00 min
 Lab File: VV007126.D
 Acq: 22 Aug 2018 17:19

Tgt Ion:	164	Resp:	35473
Ion	Ratio	Lower	Upper
164	100		
129	96.0	64.5	119.9
131	91.5	61.7	114.7
166	132.3	86.5	160.6



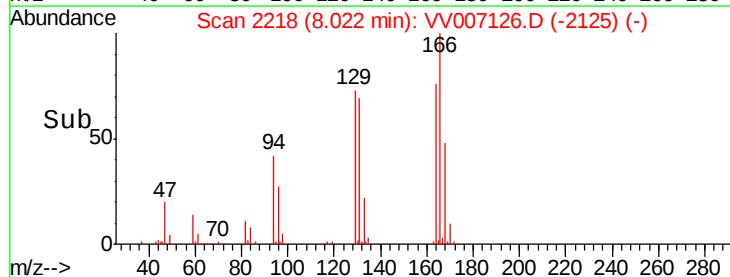
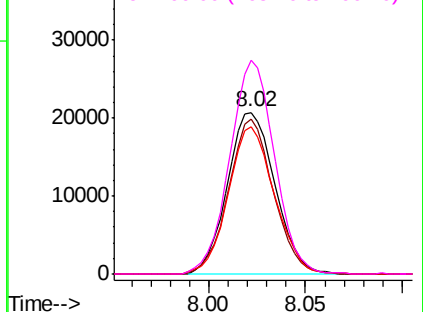
Abundance

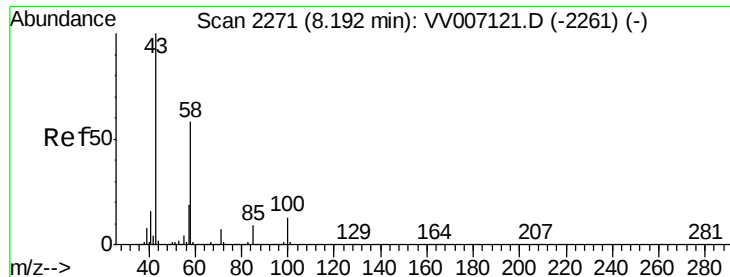
Ion 164.00 (163.70 to 164.70): VV007126.D (-2125) (-)

Ion 129.00 (128.70 to 129.70): VV007126.D (-2125) (-)

Ion 131.00 (130.70 to 131.70): VV007126.D (-2125) (-)

Ion 166.00 (165.70 to 166.70): VV007126.D (-2125) (-)

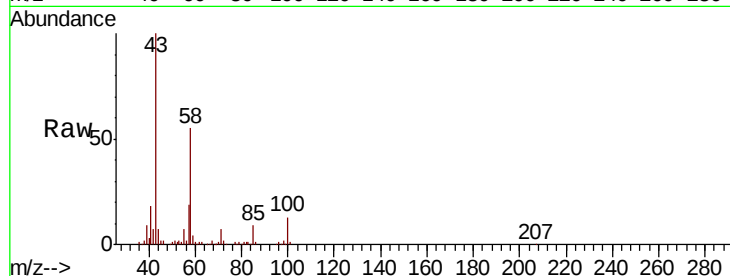




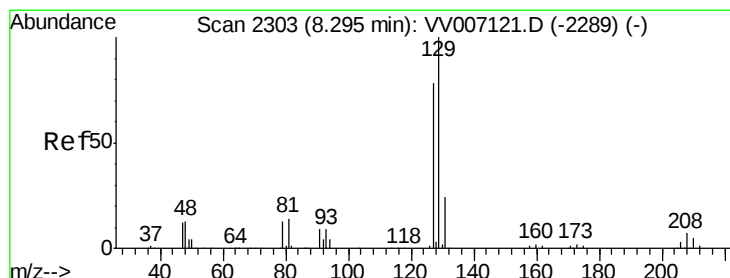
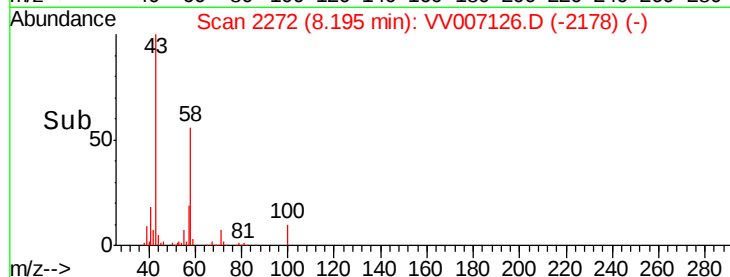
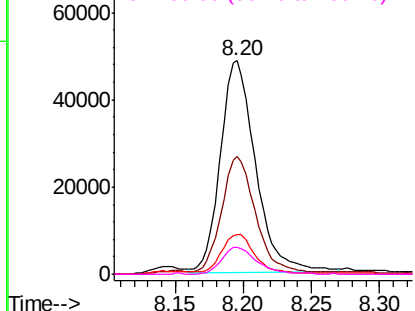
#48
2-Hexanone
Concen: 17.913 ug/L
RT: 8.20 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VV007126.D
Acq: 22 Aug 2018 17:19

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 87322
Ion Ratio Lower Upper
43 100
58 52.0 47.9 71.9
57 17.4 15.8 23.8
100 12.6 10.6 16.0

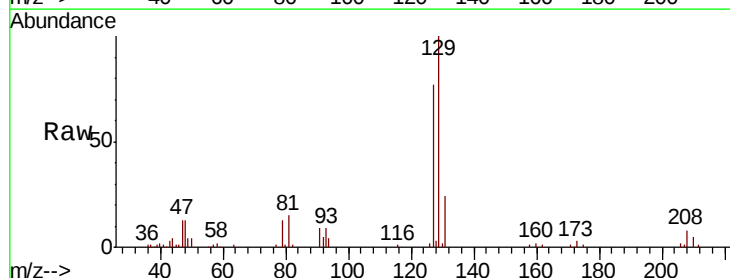


Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 58.00 (57.70 to 58.70): VV0
Ion 57.00 (56.70 to 57.70): VV0
Ion 100.00 (99.70 to 100.70): VV0

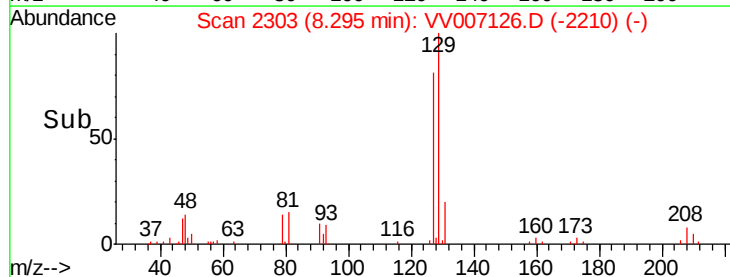
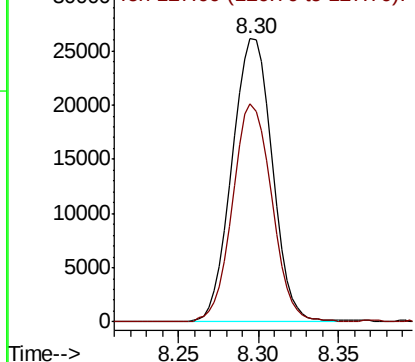


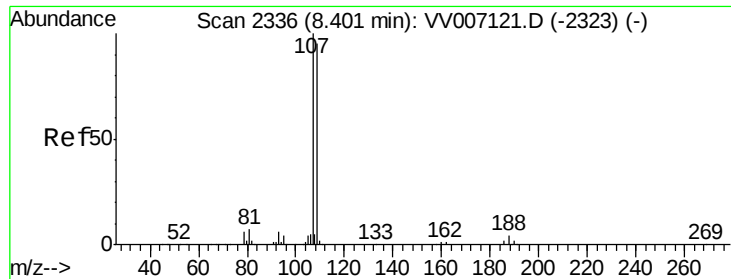
#49
Dibromochloromethane
Concen: 11.260 ug/L
RT: 8.30 min Scan# 2303
Delta R.T. -0.00 min
Lab File: VV007126.D
Acq: 22 Aug 2018 17:19

Tgt Ion: 129 Resp: 44887
Ion Ratio Lower Upper
129 100
127 77.1 54.3 100.8



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

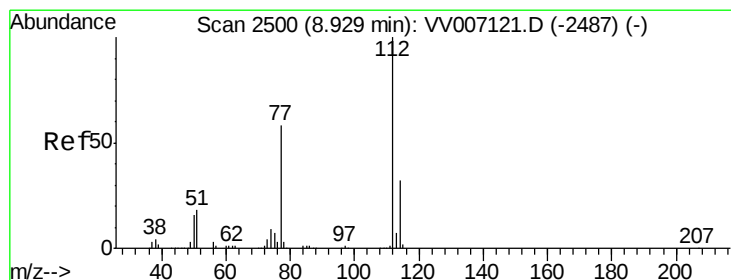
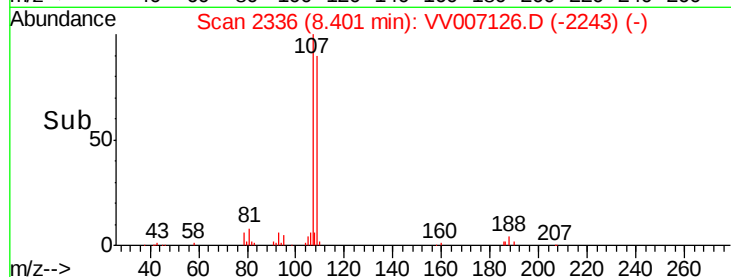
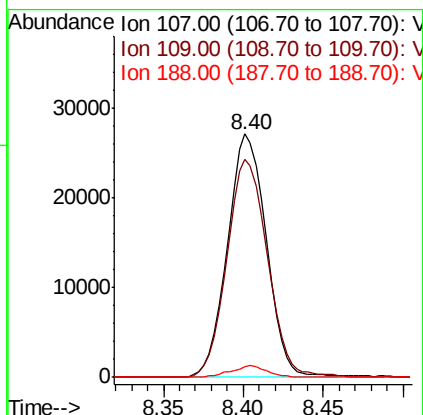
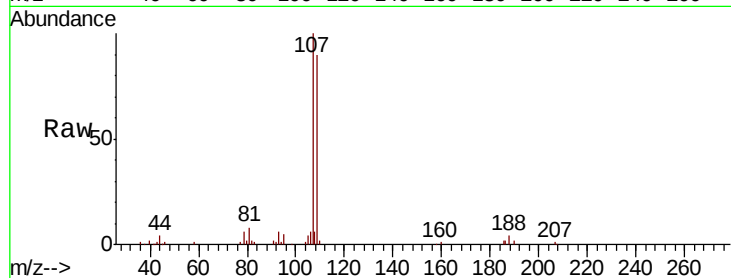




#50
 1,2-Dibromoethane
 Concen: 11.176 ug/L
 RT: 8.40 min Scan# 2336
 Delta R.T. -0.00 min
 Lab File: VV007126.D
 Acq: 22 Aug 2018 17:19

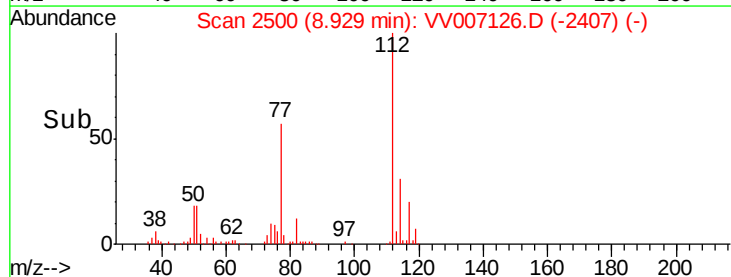
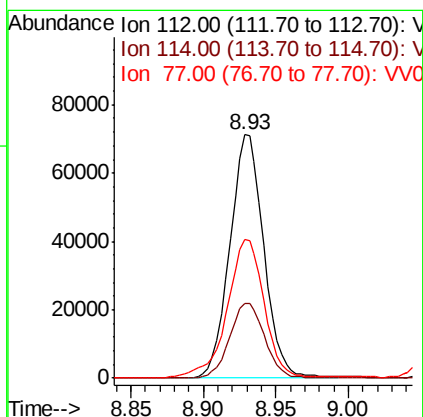
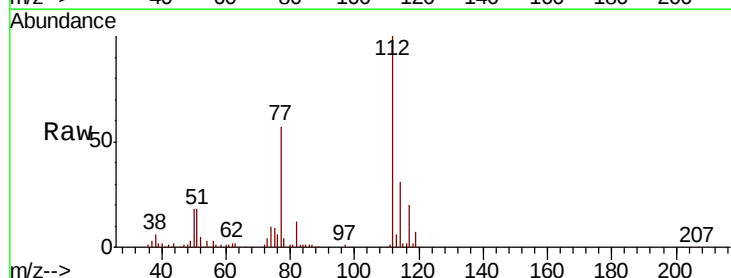
Instrument :
 MSVOA_V
 ClientSampleId :

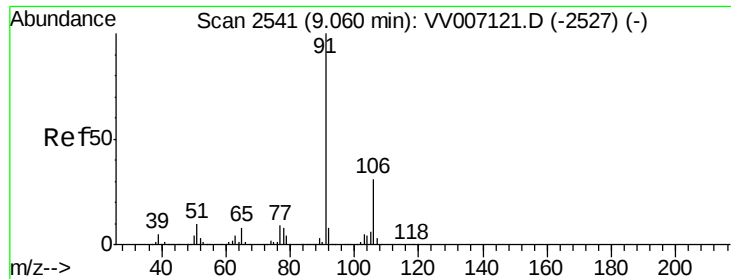
Tot Ion	Ratio	Lower	Upper
107	100		
109	89.6	66.5	123.5
188	4.5	3.3	4.9



#51
 Chlorobenzene
 Concen: 10.890 ug/L
 RT: 8.93 min Scan# 2500
 Delta R.T. -0.00 min
 Lab File: VV007126.D
 Acq: 22 Aug 2018 17:19

Tgt Ion	Ratio	Lower	Upper
112	100		
114	30.8	22.3	41.3
77	56.9	46.6	70.0





#52

Ethylbenzene

Concen: 9.061 ug/L

RT: 9.06 min Scan# 2541

Delta R.T. -0.00 min

Lab File: VV007126.D

Acq: 22 Aug 2018 17:19

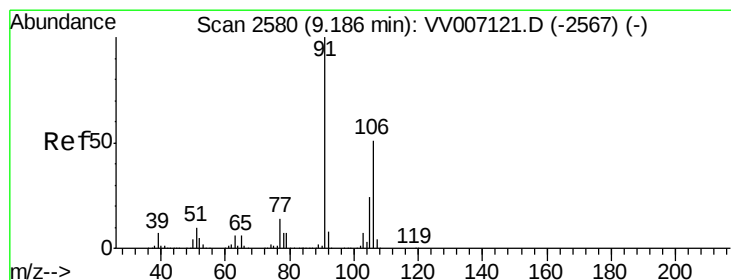
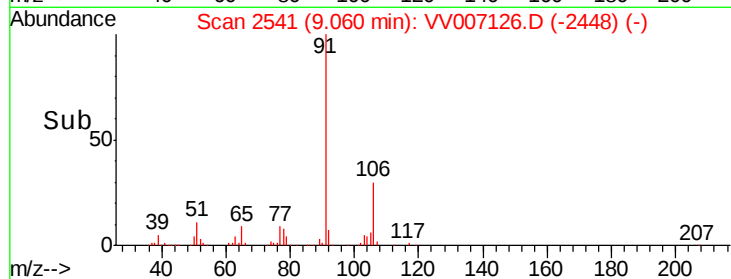
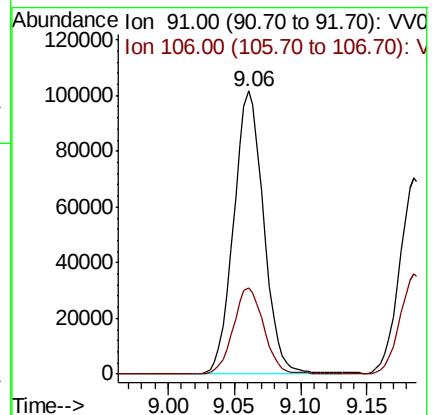
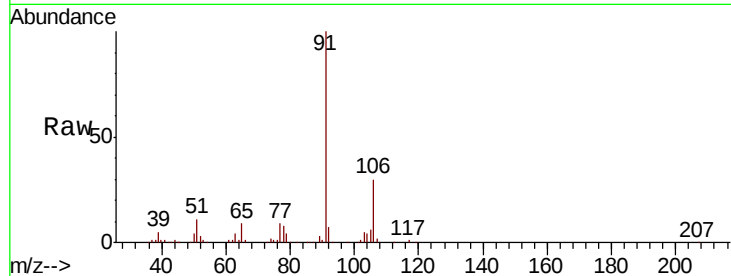
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 159951

Ion Ratio Lower Upper

91 100

106 30.3 21.4 39.8



#53

m,p-Xylene

Concen: 8.957 ug/L

RT: 9.19 min Scan# 2580

Delta R.T. -0.00 min

Lab File: VV007126.D

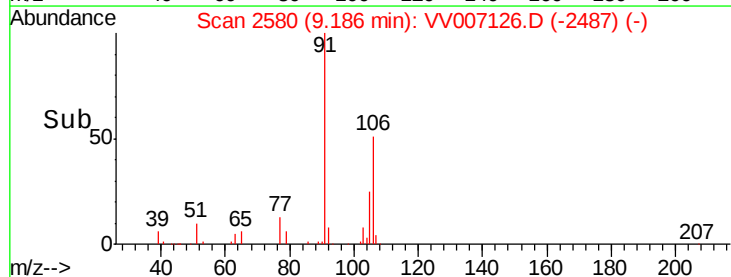
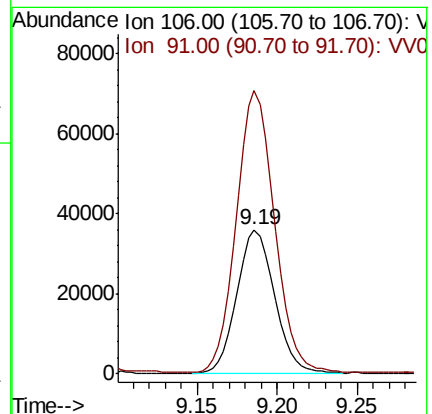
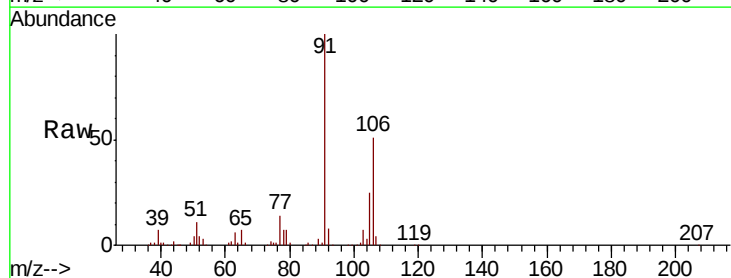
Acq: 22 Aug 2018 17:19

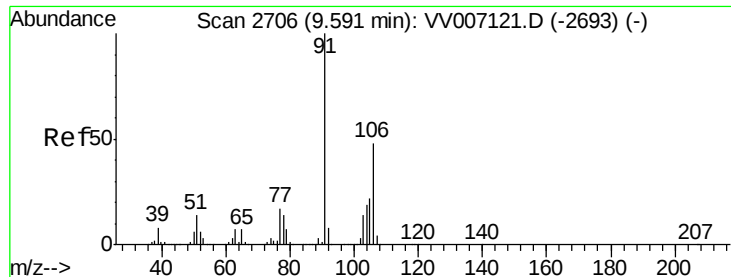
Tgt Ion: 106 Resp: 58211

Ion Ratio Lower Upper

106 100

91 196.3 138.7 257.5





#54

o-xylene

Concen: 8.635 ug/L

RT: 9.59 min Scan# 2707

Delta R.T. 0.00 min

Lab File: VV007126.D

Acq: 22 Aug 2018 17:19

Instrument :

MSVOA_V

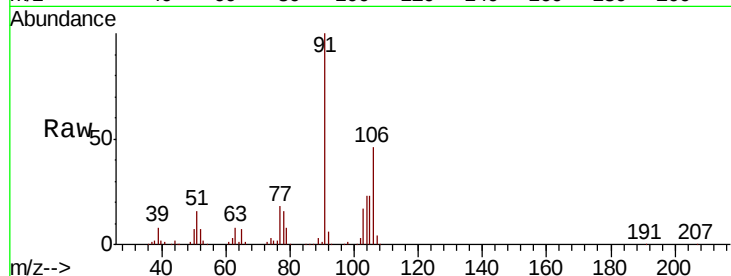
ClientSampleId :

Tot Ion:106 Resp: 56315

Ion Ratio Lower Upper

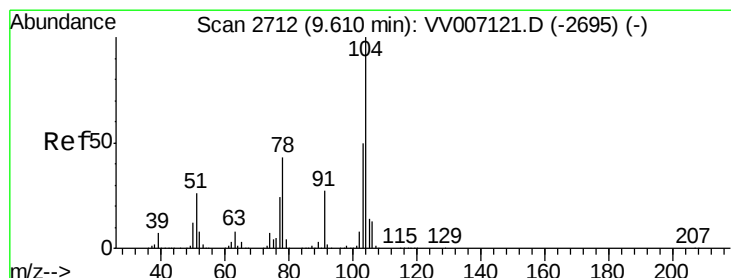
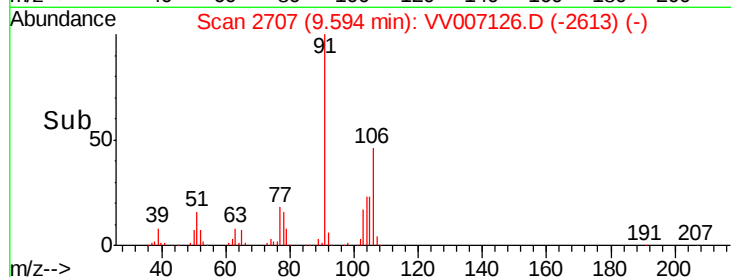
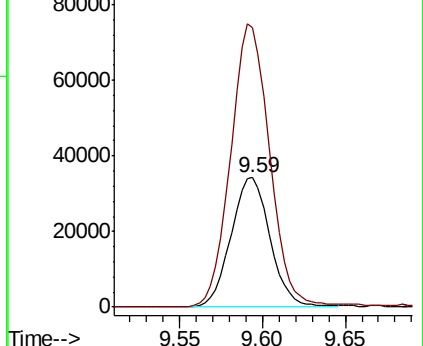
106 100

91 216.5 146.3 271.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 8.092 ug/L

RT: 9.61 min Scan# 2712

Delta R.T. -0.00 min

Lab File: VV007126.D

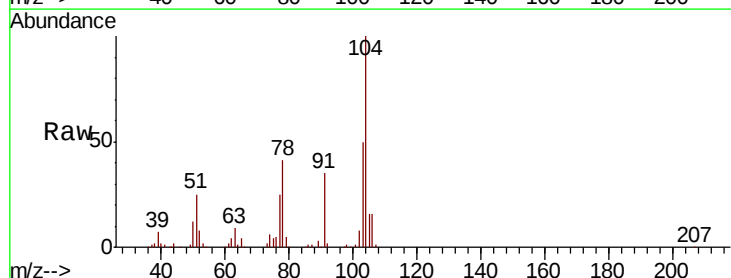
Acq: 22 Aug 2018 17:19

Tgt Ion:104 Resp: 90997

Ion Ratio Lower Upper

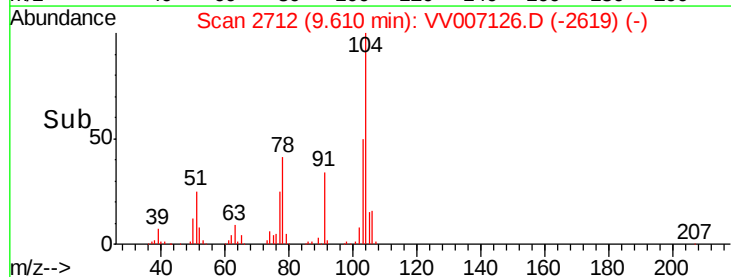
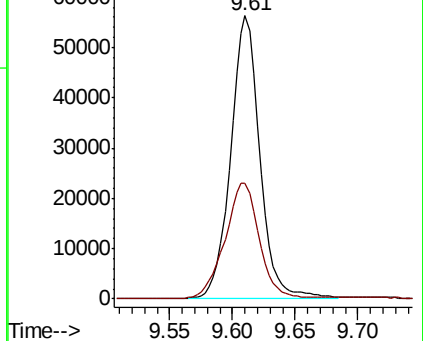
104 100

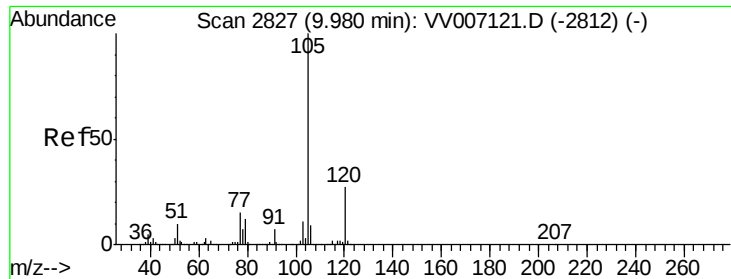
78 40.8 30.0 55.6



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0

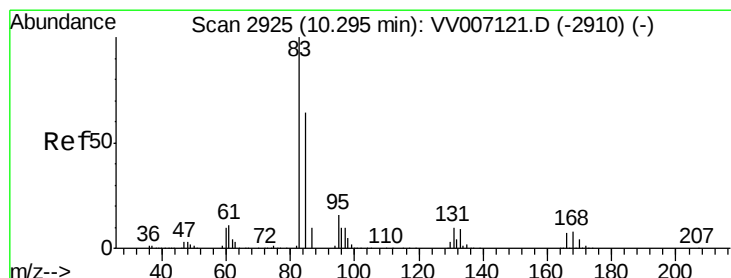
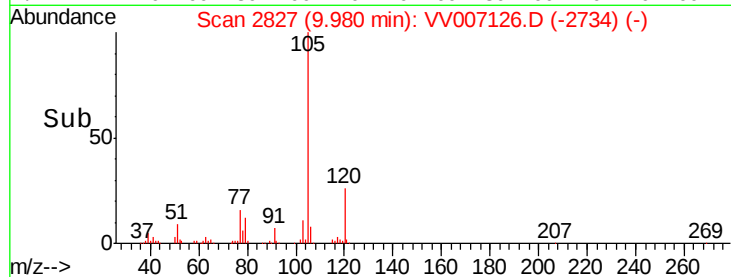
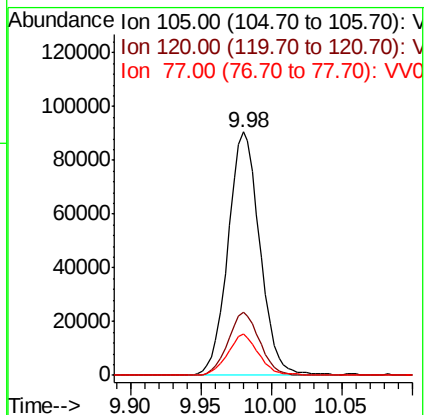
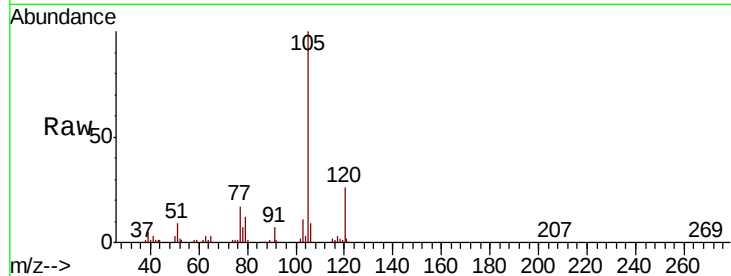




#56
Isopropylbenzene
Concen: 8.222 ug/L
RT: 9.98 min Scan# 2827
Delta R.T. -0.00 min
Lab File: VV007126.D
Acq: 22 Aug 2018 17:19

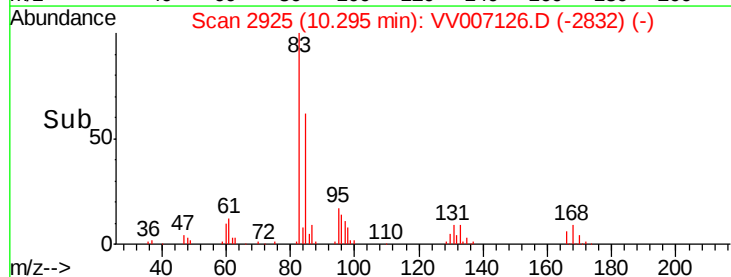
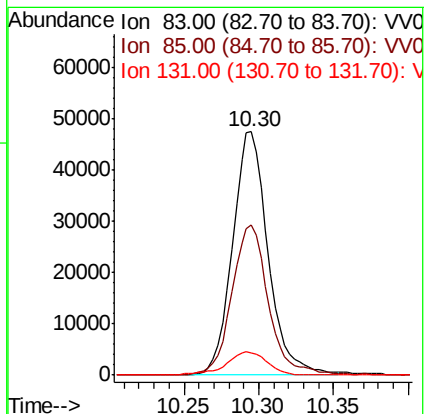
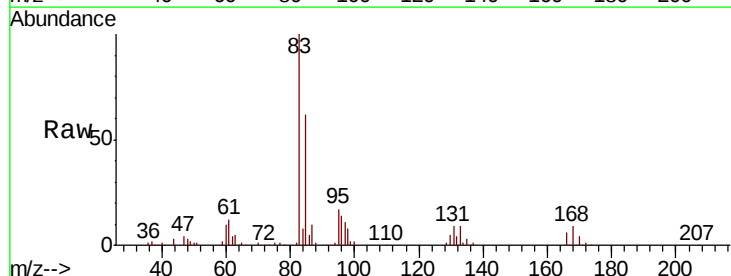
Instrument :
MSVOA_V
ClientSampleId :

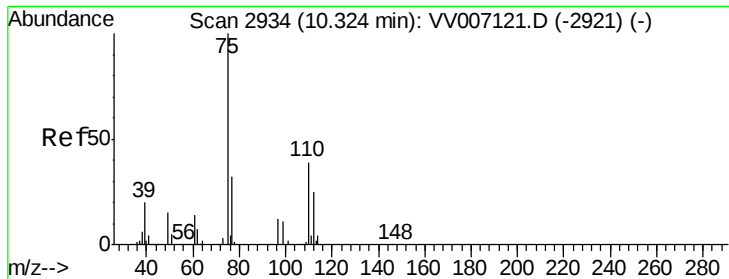
Tot Ion	Ratio	Lower	Upper
105	100		
120	25.6	21.0	31.4
77	16.5	12.4	18.6



#58
1,1,2,2-Tetrachloroethane
Concen: 11.718 ug/L
RT: 10.30 min Scan# 2925
Delta R.T. -0.00 min
Lab File: VV007126.D
Acq: 22 Aug 2018 17:19

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.7	45.2	84.0
131	9.2	7.8	11.8





#59

1,2,3-Trichloropropane

Concen: 11.630 ug/L

RT: 10.33 min Scan# 2935

Delta R.T. 0.00 min

Lab File: VV007126.D

Acq: 22 Aug 2018 17:19

Instrument :

MSVOA_V

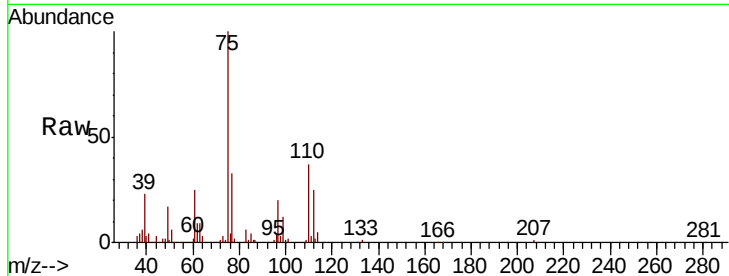
ClientSampleId :

Tot Ion: 75 Resp: 62907

Ion Ratio Lower Upper

75 100

77 32.2 25.8 38.8



Abundance Ion 75.00 (74.70 to 75.70): VV007121.D (-2921) (-)

Ion 77.00 (76.70 to 77.70): VV007121.D (-2921) (-)

10.33

40000

30000

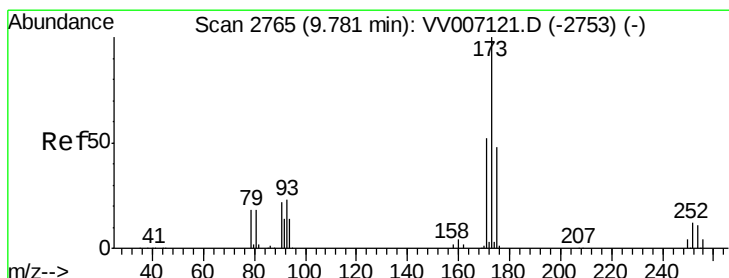
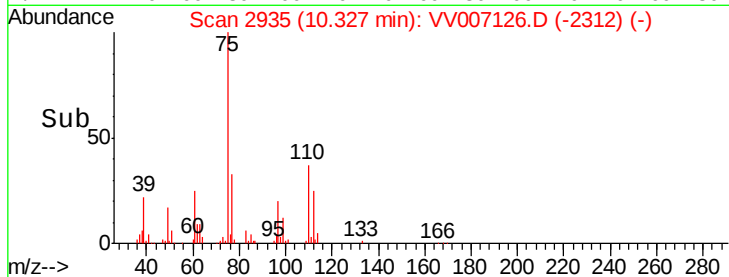
20000

10000

0

Time-->

10.25 10.30 10.35 10.40



#61

Bromoform

Concen: 14.037 ug/L

RT: 9.78 min Scan# 2765

Delta R.T. -0.00 min

Lab File: VV007126.D

Acq: 22 Aug 2018 17:19

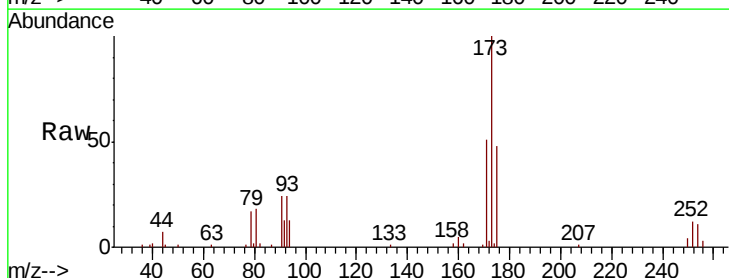
Tgt Ion: 173 Resp: 32431

Ion Ratio Lower Upper

173 100

175 47.6 37.9 56.9

254 9.4 9.2 13.8



Abundance Ion 173.00 (172.70 to 173.70): VV007121.D (-2753) (-)

Ion 175.00 (174.70 to 175.70): VV007121.D (-2753) (-)

Ion 254.00 (253.70 to 254.70): VV007121.D (-2753) (-)

9.78

25000

20000

15000

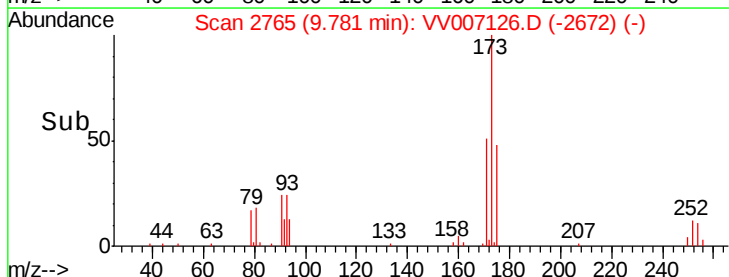
10000

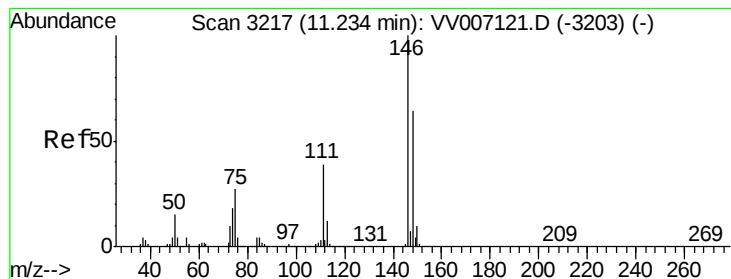
5000

0

Time-->

9.75 9.80 9.85





#62

1,3-Dichlorobenzene

Concen: 10.655 ug/L

RT: 11.23 min Scan# 3217

Delta R.T. -0.00 min

Lab File: VV007126.D

Acq: 22 Aug 2018 17:19

Instrument :

MSVOA_V

ClientSampleId :

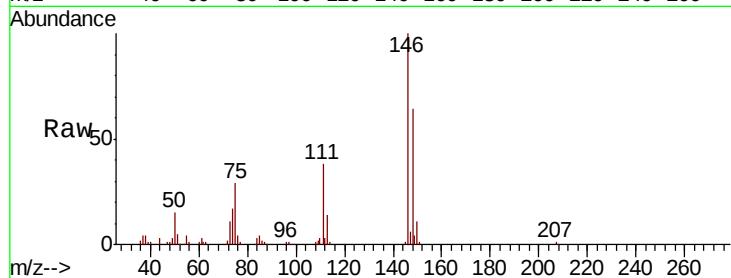
Tot Ion:146 Resp: 71492

Ion Ratio Lower Upper

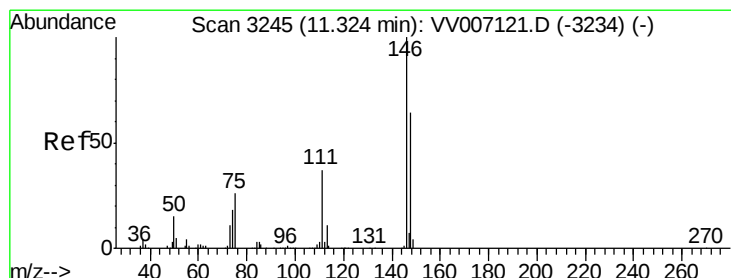
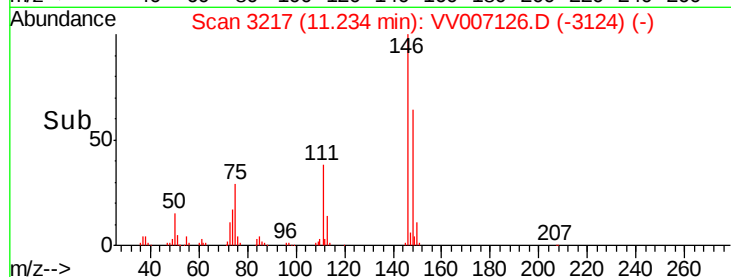
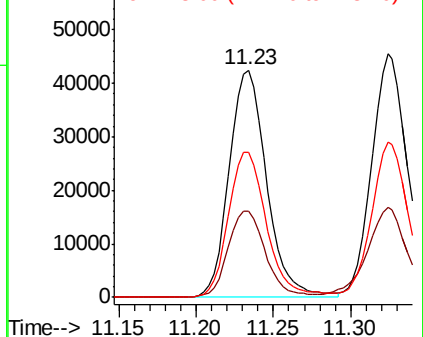
146 100

111 37.9 27.1 50.3

148 63.9 44.5 82.7



Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 10.496 ug/L

RT: 11.32 min Scan# 3245

Delta R.T. -0.00 min

Lab File: VV007126.D

Acq: 22 Aug 2018 17:19

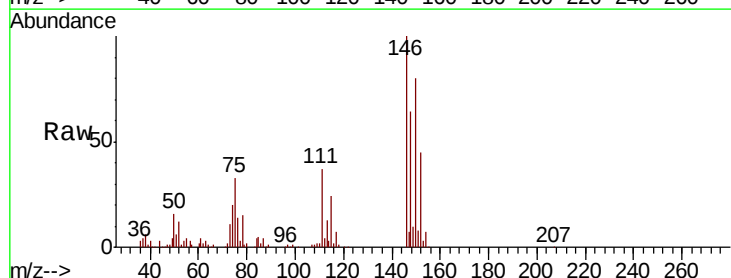
Tgt Ion:146 Resp: 75828

Ion Ratio Lower Upper

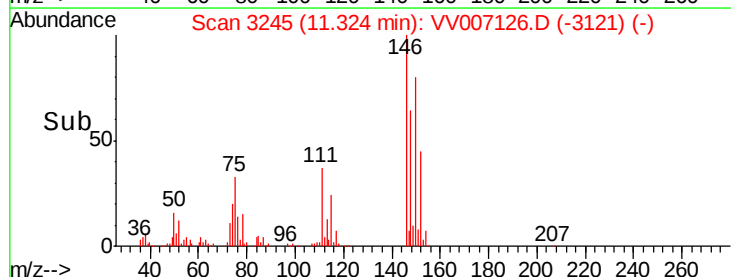
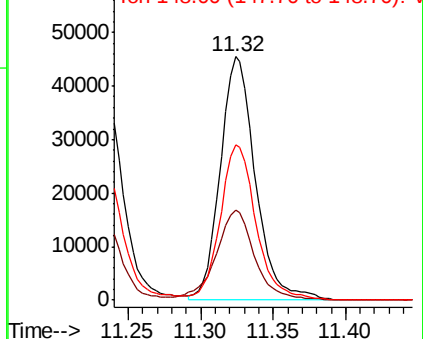
146 100

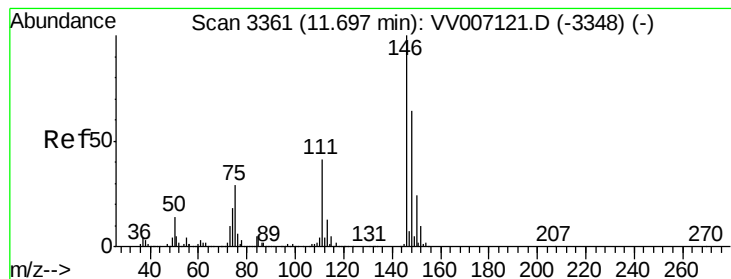
111 37.0 26.2 48.6

148 63.8 44.7 82.9



Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 10.831 ug/L

RT: 11.70 min Scan# 3361

Delta R.T. -0.00 min

Lab File: VV007126.D

Acq: 22 Aug 2018 17:19

Instrument :

MSVOA_V

ClientSampled :

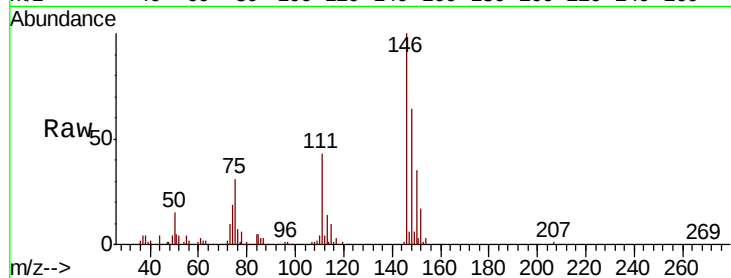
Tot Ion:146 Resp: 78836

Ion Ratio Lower Upper

146 100

111 42.6 32.5 48.7

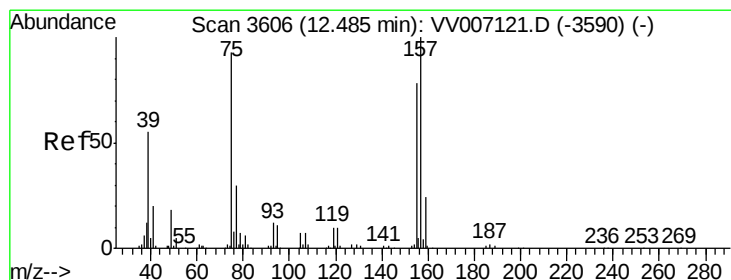
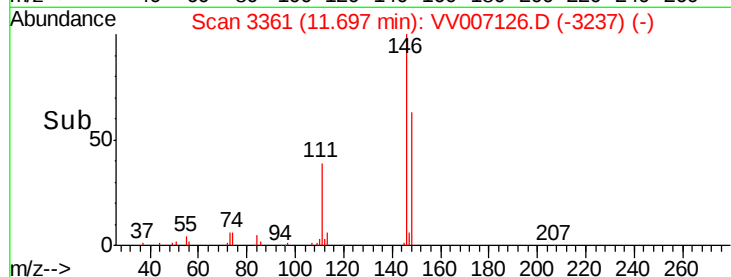
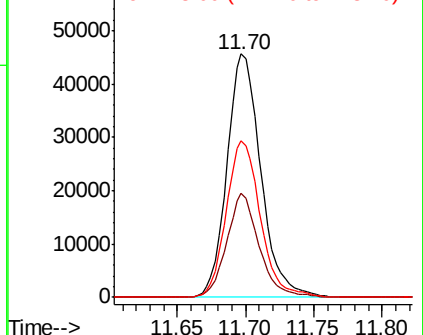
148 64.5 50.8 76.2



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 9.342 ug/L

RT: 12.48 min Scan# 3606

Delta R.T. -0.00 min

Lab File: VV007126.D

Acq: 22 Aug 2018 17:19

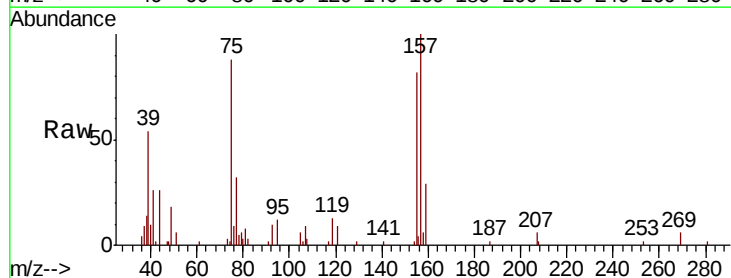
Tgt Ion: 75 Resp: 10695

Ion Ratio Lower Upper

75 100

155 93.1 66.8 100.2

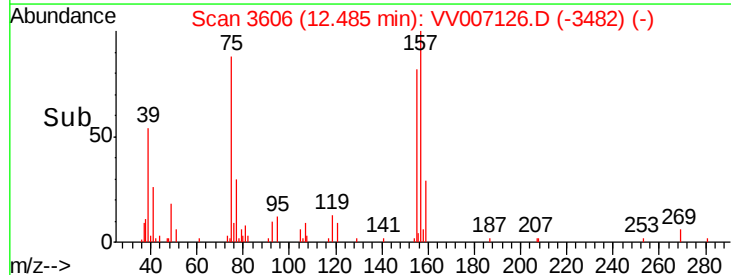
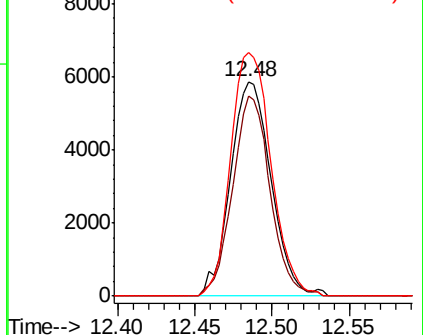
157 113.4 85.8 128.8

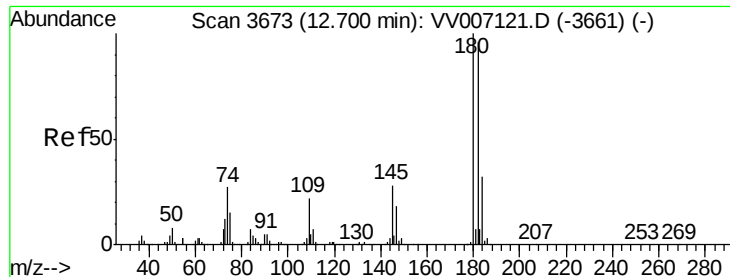


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

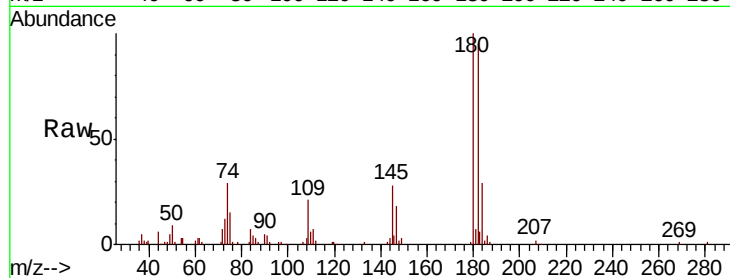




#67
 1,3,5-Trichlorobenzene
 Concen: 9.336 ug/L
 RT: 12.70 min Scan# 3673
 Delta R.T. -0.00 min
 Lab File: VV007126.D
 Acq: 22 Aug 2018 17:19

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion	180	Resp	44823
Ion Ratio	Lower	Upper	
180	100		
182	94.7	76.4	114.6
184	29.4	24.6	37.0
145	28.4	22.6	33.8



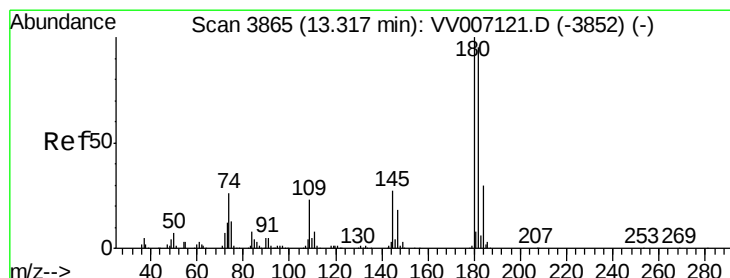
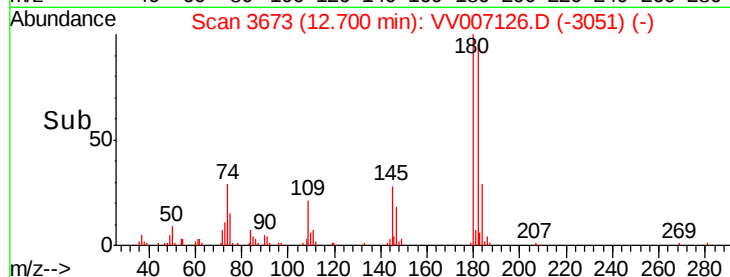
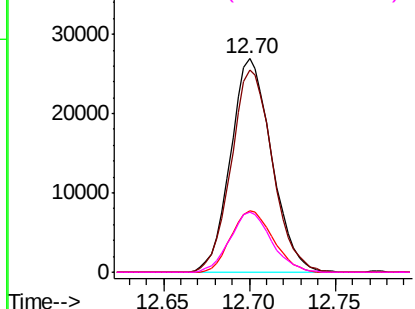
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

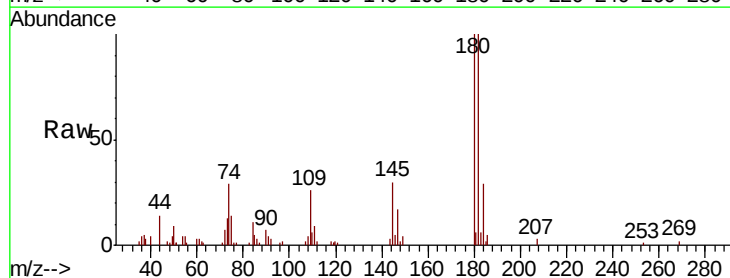
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 6.548 ug/L
 RT: 13.32 min Scan# 3866
 Delta R.T. 0.00 min
 Lab File: VV007126.D
 Acq: 22 Aug 2018 17:19

Tgt Ion	180	Resp	25265
Ion Ratio	Lower	Upper	
180	100		
182	93.5	77.0	115.6
145	28.5	22.7	34.1

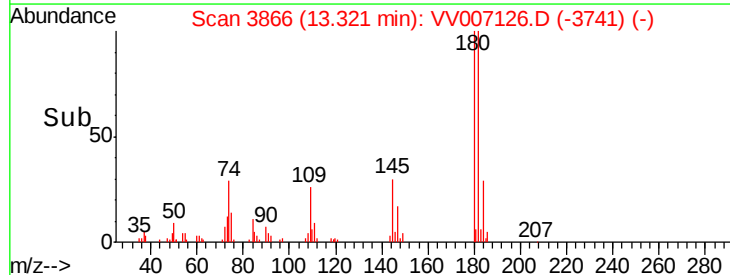
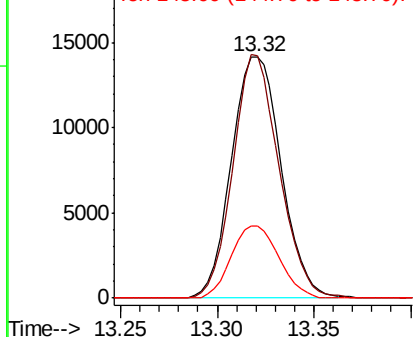


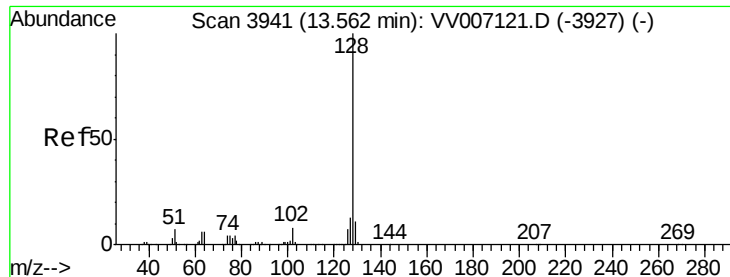
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 5.103 ug/L

RT: 13.56 min Scan# 3941

Delta R.T. -0.00 min

Lab File: VV007126.D

Acq: 22 Aug 2018 17:19

Instrument :

MSVOA_V

ClientSampleId :

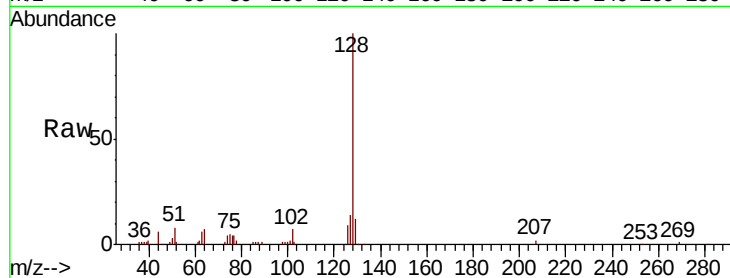
Tot Ion:128 Resp: 60381

Ion Ratio Lower Upper

128 100

127 14.0 10.5 15.7

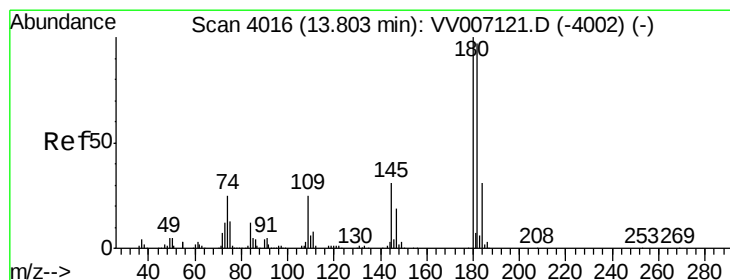
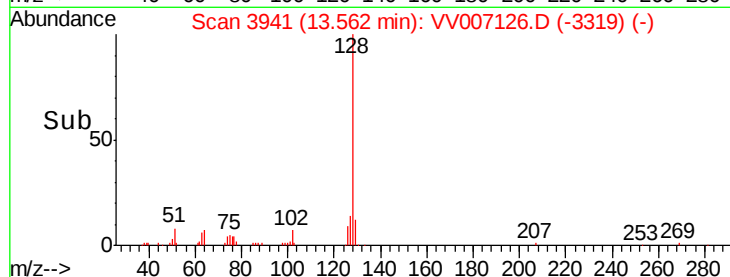
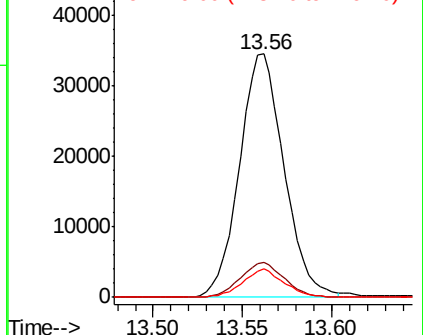
129 10.8 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 6.761 ug/L

RT: 13.80 min Scan# 4016

Delta R.T. -0.00 min

Lab File: VV007126.D

Acq: 22 Aug 2018 17:19

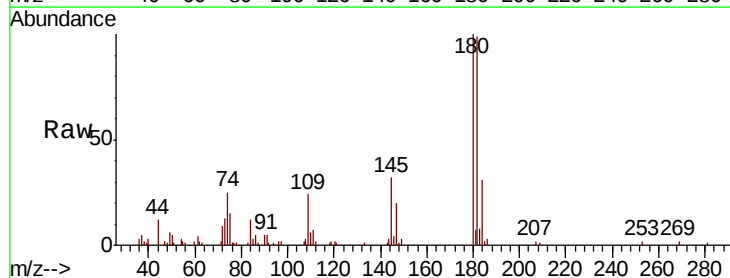
Tgt Ion:180 Resp: 27921

Ion Ratio Lower Upper

180 100

182 98.9 76.2 114.2

145 30.0 24.2 36.4



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

