

Data File : VV009194.D
Acq On : 08 Jan 2019 14:24
Operator : SY/MD
Sample : VSTD05080
Misc : 5.00 G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD05080

Quant Time: Jan 08 15:00:42 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM010819S.M
Quant Title : VOC Analysis
QLast Update : Tue Jan 08 14:22:31 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	264403	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	247291	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	126868	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	131638	72.81	ug/L	0.00
7) Chloroethane-d5	1.58	69	103498	59.00	ug/L	0.00
10) 1,1-Dichloroethene-d2	2.13	63	340406	56.31	ug/L	0.00
20) 2-Butanone-d5	3.95	46	102774	80.78	ug/L	0.00
24) Chloroform-d	4.40	84	325739	58.51	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	179525	60.28	ug/L	0.00
29) Benzene-d6	5.10	84	647738	58.79	ug/L	0.00
33) 1,2-Dichloropropane-d6	6.12	67	185328	58.67	ug/L	0.00
37) Toluene-d8	7.36	98	611756	58.86	ug/L	0.00
38) trans-1,3-Dichloropropene-	7.66	79	95033	63.40	ug/L	0.00
39) 2-Hexanone-d5	8.14	63	67390	90.39	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	10.26	84	183592	52.88	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	11.67	152	236307	55.11	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.14	85	221459	52.107	ug/L	99
3) Chloromethane	1.25	50	148336	51.532	ug/L	100
5) Vinyl chloride	1.32	62	156833	50.883	ug/L	97
6) Bromomethane	1.53	94	114956	52.949	ug/L	100
8) Chloroethane	1.60	64	89709	47.228	ug/L	100
9) Trichlorofluoromethane	1.76	101	290357	51.384	ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	2.14	101	182648	48.534	ug/L	96
12) 1,1-Dichloroethene	2.14	96	162379	49.753	ug/L	87
13) Acetone	2.21	43	147807	81.972	ug/L	92
14) Carbon disulfide	2.32	76	549346	58.906	ug/L	100
15) Methyl Acetate	2.47	43	90255	40.453	ug/L #	90
16) Methylene chloride	2.53	84	184346	46.669	ug/L	89
17) Methyl tert-butyl Ether	2.81	73	447181	55.938	ug/L	99
18) trans-1,2-Dichloroethene	2.79	96	183029	52.917	ug/L	98
19) 1,1-Dichloroethane	3.23	63	297875	51.862	ug/L	98
21) 2-Butanone	4.03	43	159487	101.123	ug/L	99
22) cis-1,2-Dichloroethene	3.96	96	197320	53.365	ug/L	100
23) Bromochloromethane	4.30	128	96156	55.275	ug/L	93
25) Chloroform	4.43	83	320030	52.323	ug/L	100
27) 1,2-Dichloroethane	5.18	62	225879	54.979	ug/L	100
30) Cyclohexane	4.73	56	287000	52.352	ug/L	99
31) 1,1,1-Trichloroethane	4.66	97	295419	49.136	ug/L	99
32) Carbon tetrachloride	4.88	117	277094	50.353	ug/L	100
34) Benzene	5.15	78	694693	52.257	ug/L	100
35) Trichloroethene	5.96	95	193986	50.651	ug/L	99
36) Methylcyclohexane	6.18	83	335207	52.383	ug/L	99
40) 1,2-Dichloropropane	6.22	63	169598	52.930	ug/L	99
41) Bromodichloromethane	6.56	83	241201	54.918	ug/L	100
42) cis-1,3-Dichloropropene	7.07	75	279268	55.002	ug/L	99
43) 4-Methyl-2-pentanone	7.28	43	256210	83.887	ug/L	99

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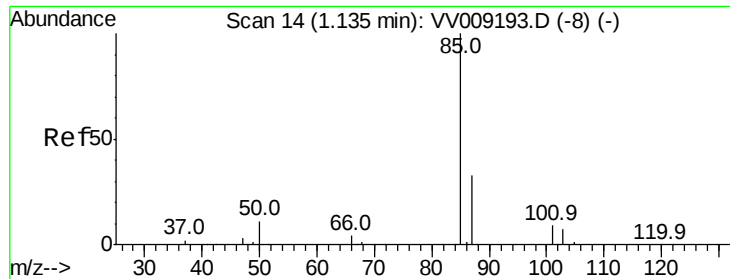
Quant Time: Jan 08 15:00:42 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM010819S.M
Quant Title : VOC Analysis
QLast Update : Tue Jan 08 14:22:31 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	7.43	91	747949	52.185	ug/L	99
45) trans-1,3-Dichloropropene	7.69	75	251092	56.483	ug/L	99
46) 1,1,2-Trichloroethane	7.88	97	149919	52.937	ug/L	97
47) Tetrachloroethene	8.02	164	168395	50.751	ug/L	98
49) 2-Hexanone	8.19	43	212409	94.497	ug/L	98
50) Dibromochloromethane	8.29	129	191670	55.092	ug/L	95
51) 1,2-Dibromoethane	8.40	107	152163	51.384	ug/L	98
52) Chlorobenzene	8.93	112	502471	51.094	ug/L	99
53) Ethylbenzene	9.06	91	846560	52.228	ug/L	100
54) m,p-Xylene	9.18	106	325323	51.515	ug/L	100
55) o-xylene	9.59	106	312979	53.599	ug/L	100
56) Styrene	9.60	104	533048	54.122	ug/L	98
57) Isopropylbenzene	9.98	105	844933	52.152	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.29	83	186978	49.277	ug/L	97
59) 1,2,3-Trichloropropane	10.32	75	141908	46.791	ug/L	100
62) Bromoform	9.78	173	120988	53.998	ug/L	98
63) 1,3-Dichlorobenzene	11.23	146	408064	51.048	ug/L	98
64) 1,4-Dichlorobenzene	11.32	146	412343	49.486	ug/L	100
65) 1,2-Dichlorobenzene	11.69	146	387044	50.830	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	35560	44.983	ug/L	93
67) 1,3,5-Trichlorobenzene	12.69	180	319936	49.627	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	276168	52.629	ug/L	99
69) Naphthalene	13.55	128	565618	52.920	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	249533	51.817	ug/L	99

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

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#2

Dichlorodifluoromethane

Concen: 52.107 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV009194.D

Acq: 08 Jan 2019 14:24

Instrument :

MSVOA_V

ClientSampleId :

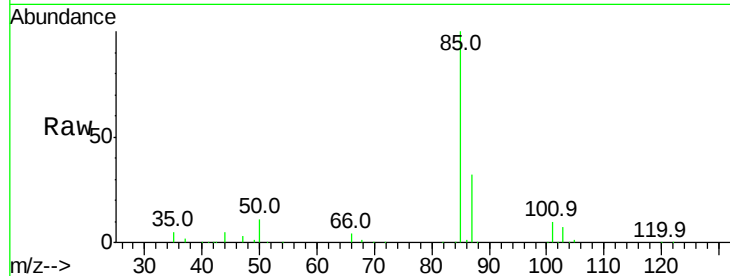
VSTD05080

Tgt Ion: 85 Resp: 221459

Ion Ratio Lower Upper

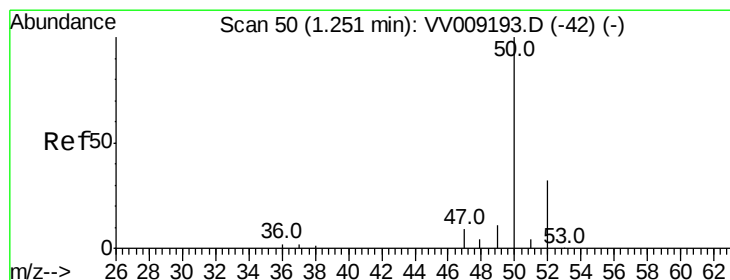
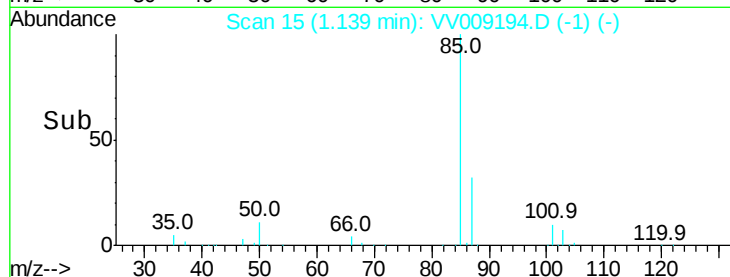
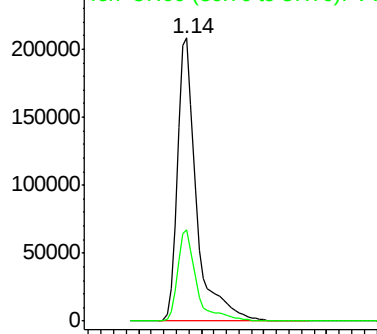
85 100

87 32.2 23.0 42.6



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 51.532 ug/L

RT: 1.25 min Scan# 50

Delta R.T. -0.00 min

Lab File: VV009194.D

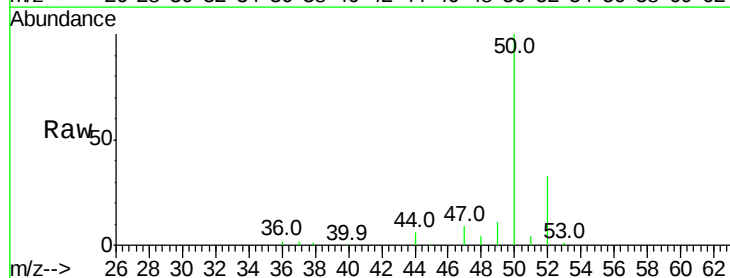
Acq: 08 Jan 2019 14:24

Tgt Ion: 50 Resp: 148336

Ion Ratio Lower Upper

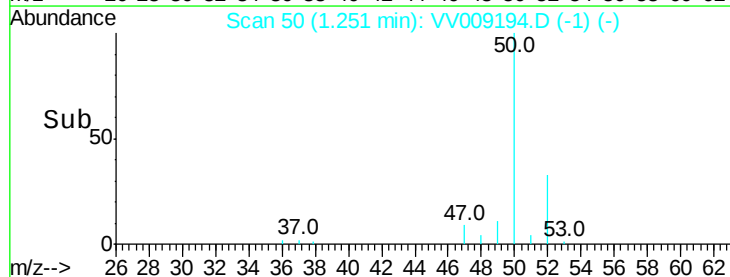
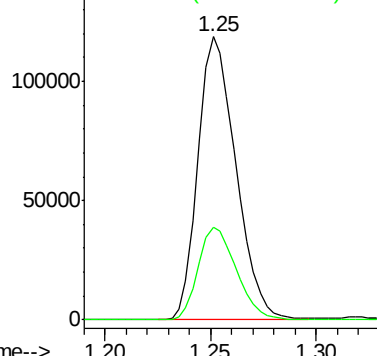
50 100

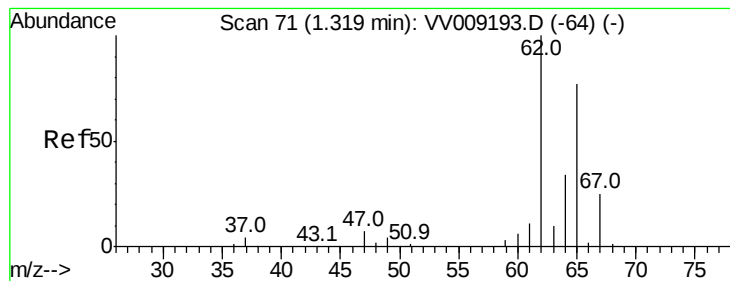
52 32.7 22.7 42.3



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0





#5

Vinyl chloride

Concen: 50.883 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV009194.D

Acq: 08 Jan 2019 14:24

Instrument :

MSVOA_V

ClientSampleId :

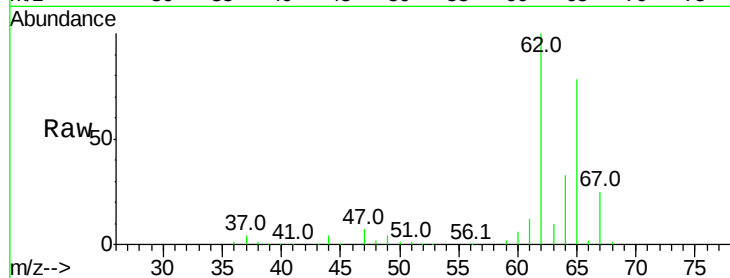
VSTD05080

Tgt Ion: 62 Resp: 156833

Ion Ratio Lower Upper

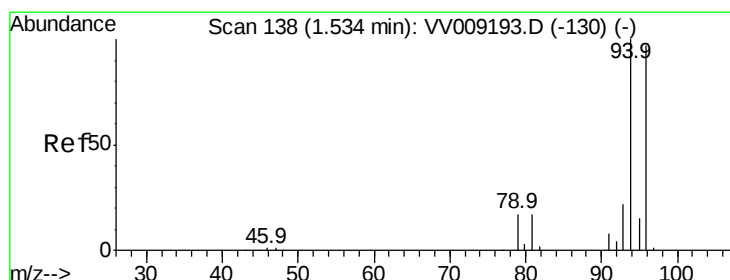
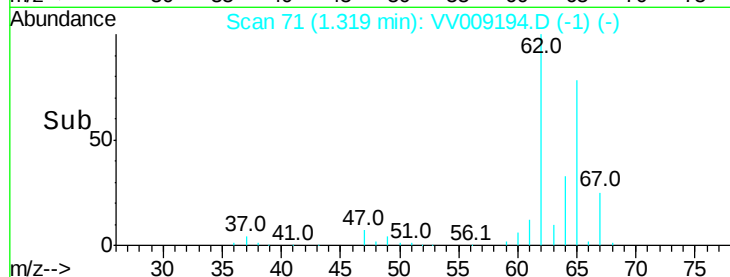
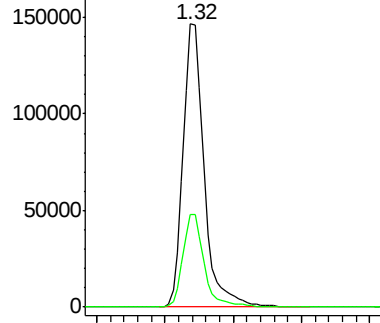
62 100

64 32.7 24.1 44.7



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#6

Bromomethane

Concen: 52.949 ug/L

RT: 1.53 min Scan# 138

Delta R.T. -0.00 min

Lab File: VV009194.D

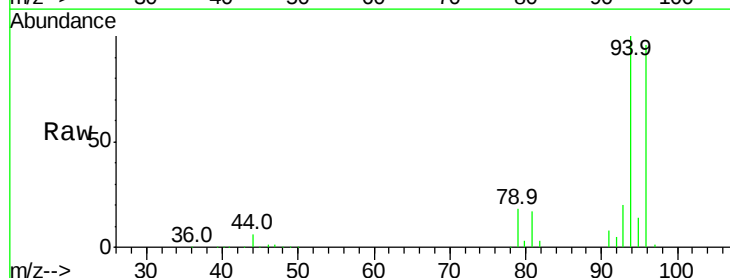
Acq: 08 Jan 2019 14:24

Tgt Ion: 94 Resp: 114956

Ion Ratio Lower Upper

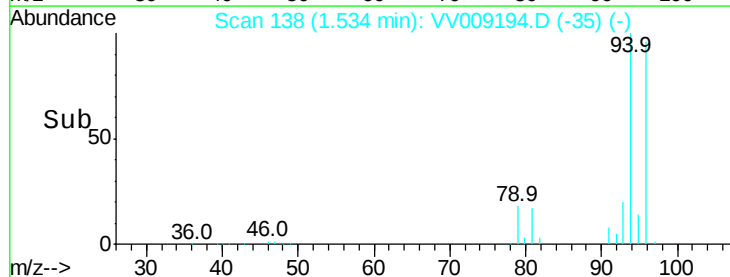
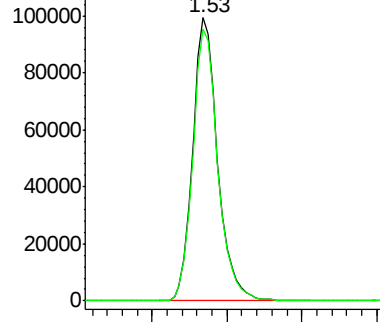
94 100

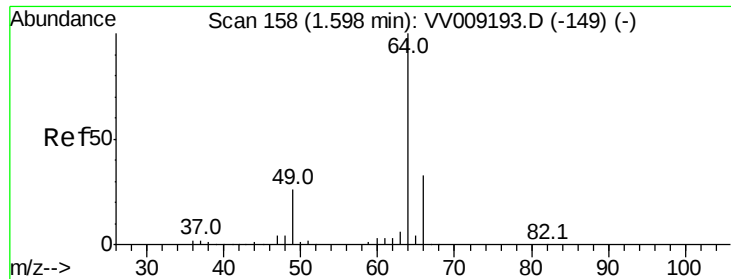
96 96.6 9.6 183.3



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

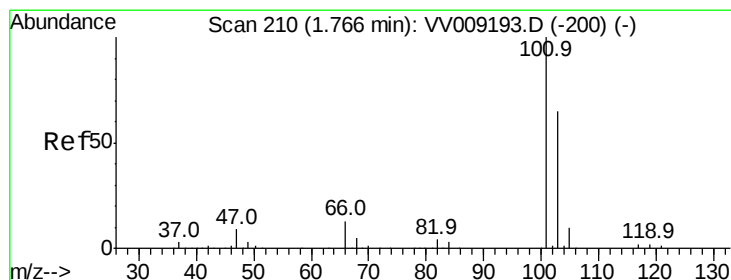
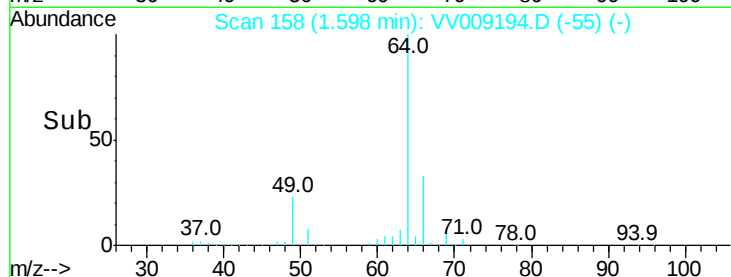
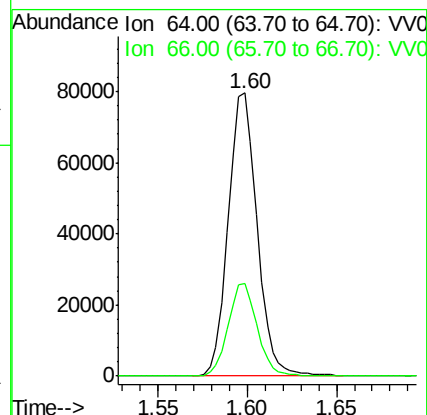
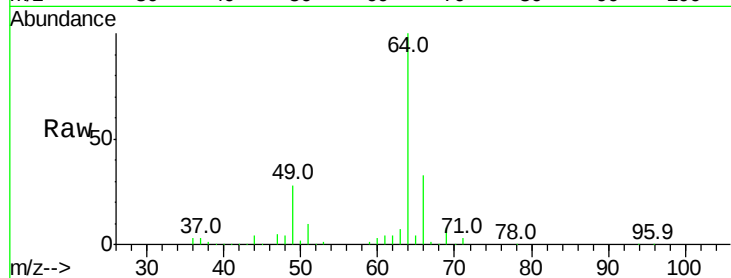




#8
Chloroethane
Concen: 47.228 ug/L
RT: 1.60 min Scan# 158
Delta R.T. -0.00 min
Lab File: VV009194.D
Acq: 08 Jan 2019 14:24

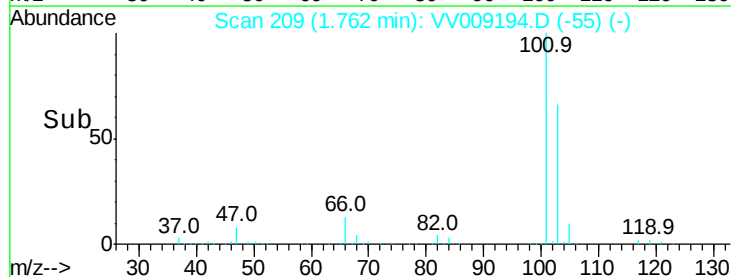
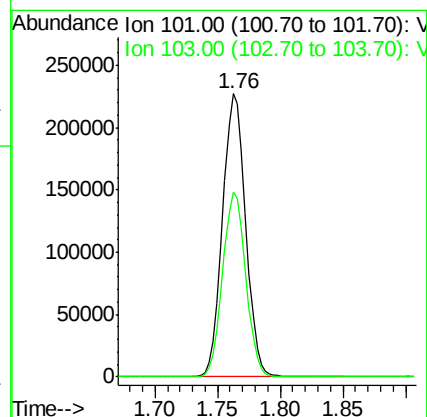
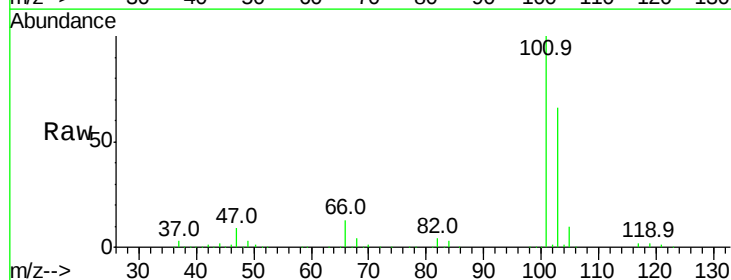
Instrument :
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ClientSampleId :
VSTD05080

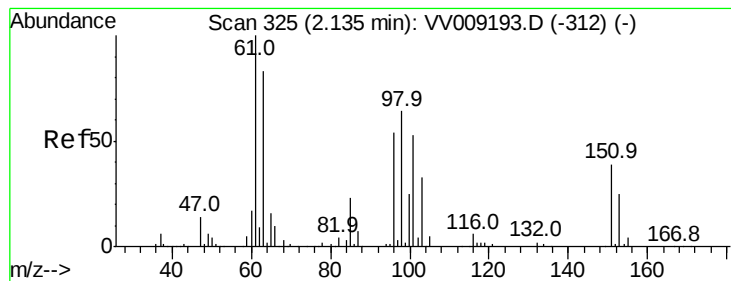
Tgt Ion: 64 Resp: 89709
Ion Ratio Lower Upper
64 100
66 32.5 22.7 42.3



#9
Trichlorofluoromethane
Concen: 51.384 ug/L
RT: 1.76 min Scan# 209
Delta R.T. -0.00 min
Lab File: VV009194.D
Acq: 08 Jan 2019 14:24

Tgt Ion: 101 Resp: 290357
Ion Ratio Lower Upper
101 100
103 65.5 45.9 85.3





#11

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

Concen: 48.534 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV009194.D

Acq: 08 Jan 2019 14:24

Instrument :

MSVOA_V

ClientSampleId :

VSTD05080

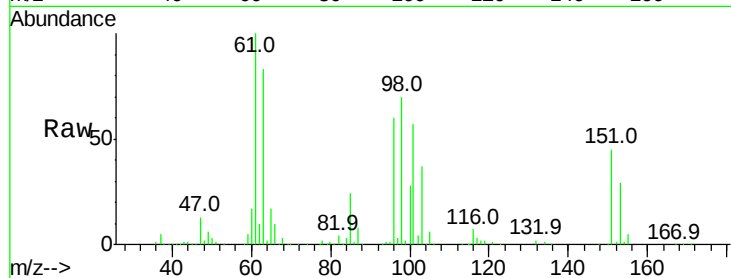
Tgt Ion: 101 Resp: 182648

Ion Ratio Lower Upper

101 100

85 42.0 35.2 52.8

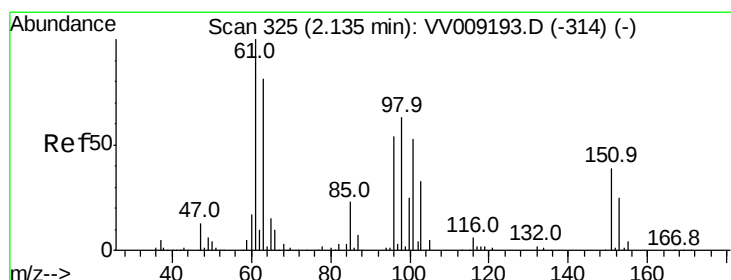
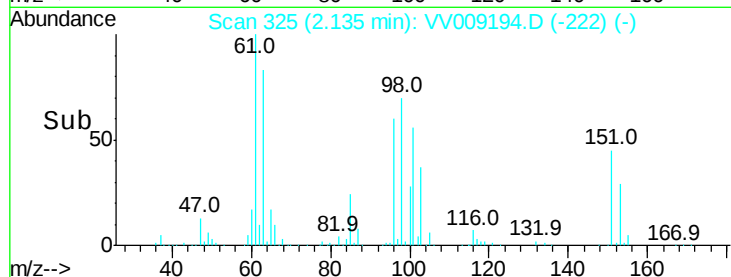
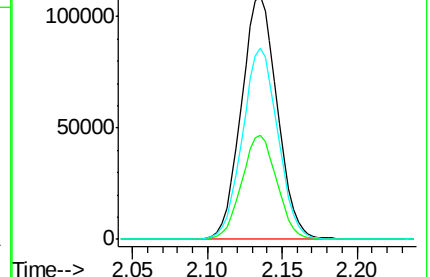
151 77.6 59.4 89.2



Abundance Ion 101.00 (100.70 to 101.70): VV009193.D (-312) (-)

Ion 85.00 (84.70 to 85.70): VV009193.D (-312) (-)

Ion 151.00 (150.70 to 151.70): VV009193.D (-312) (-)



#12

1,1-Dichloroethene

Concen: 49.753 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV009194.D

Acq: 08 Jan 2019 14:24

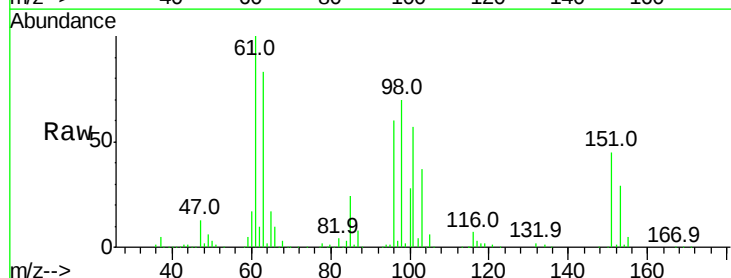
Tgt Ion: 96 Resp: 162379

Ion Ratio Lower Upper

96 100

61 166.7 130.3 241.9

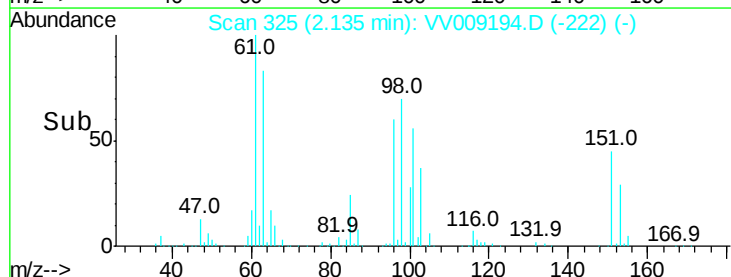
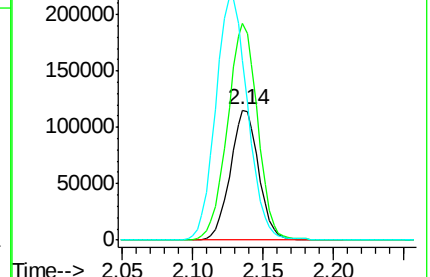
63 137.6 107.8 200.2

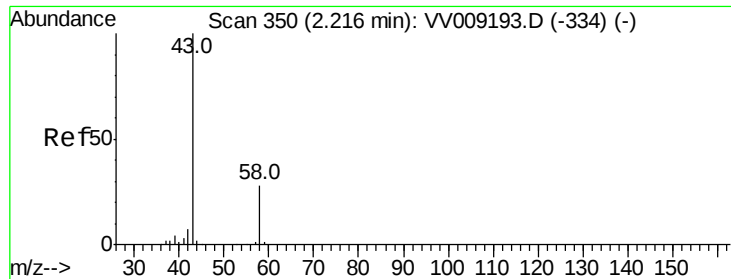


Abundance Ion 96.00 (95.70 to 96.70): VV009193.D (-314) (-)

Ion 61.00 (60.70 to 61.70): VV009193.D (-314) (-)

Ion 63.00 (62.70 to 63.70): VV009193.D (-314) (-)





#13

Acetone

Concen: 81.972 ug/L

RT: 2.21 min Scan# 349

Delta R.T. -0.00 min

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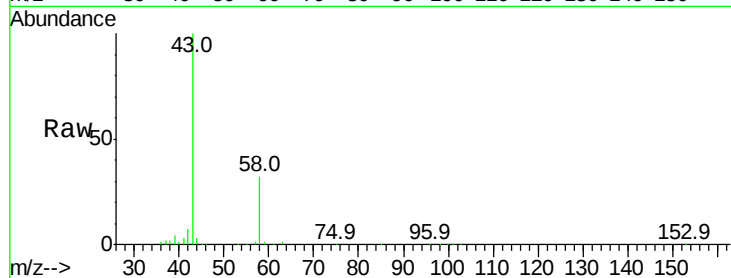
VSTD05080

Tgt Ion: 43 Resp: 147807

Ion Ratio Lower Upper

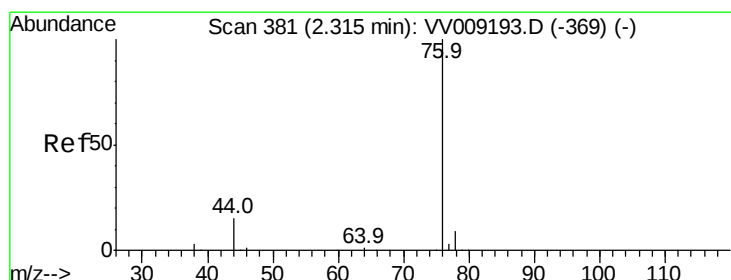
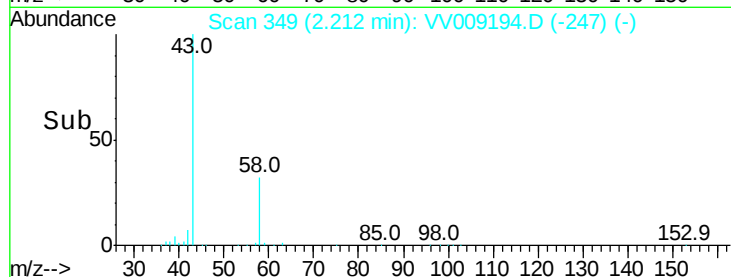
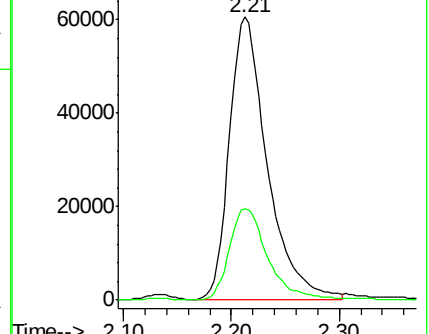
43 100

58 33.1 0.0 57.8



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0



#14

Carbon disulfide

Concen: 58.906 ug/L

RT: 2.32 min Scan# 381

Delta R.T. -0.00 min

Lab File: VV009194.D

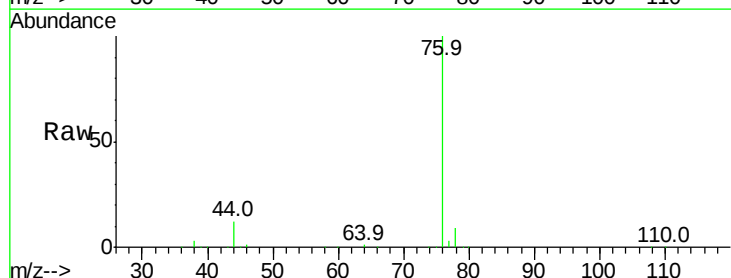
Acq: 08 Jan 2019 14:24

Tgt Ion: 76 Resp: 549346

Ion Ratio Lower Upper

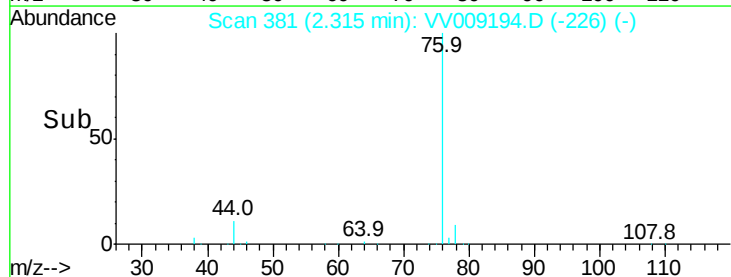
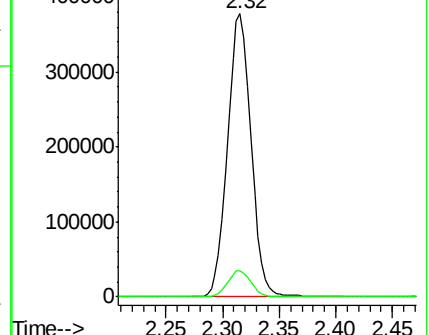
76 100

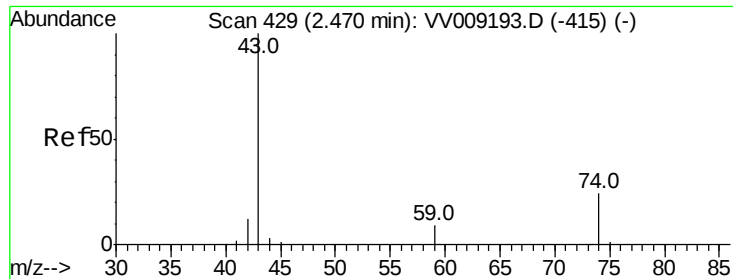
78 9.2 7.5 11.3



Abundance Ion 76.00 (75.70 to 76.70): VV0

Ion 78.00 (77.70 to 78.70): VV0

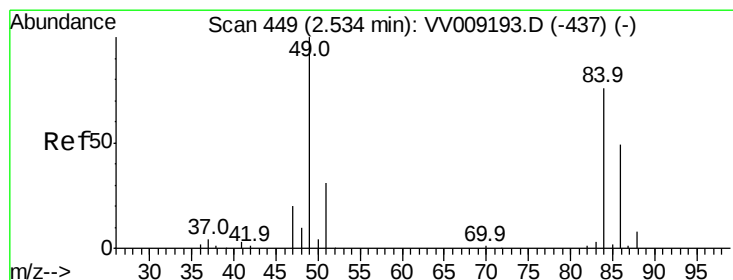
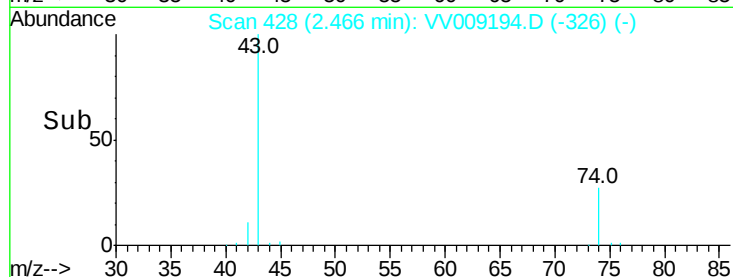
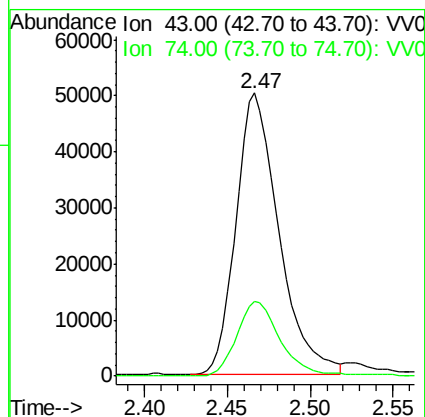
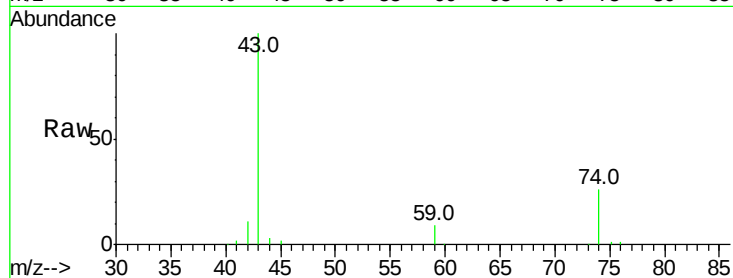




#15
Methyl Acetate
Concen: 40.453 ug/L
RT: 2.47 min Scan# 428
Delta R.T. -0.00 min
Lab File: VV009194.D
Acq: 08 Jan 2019 14:24

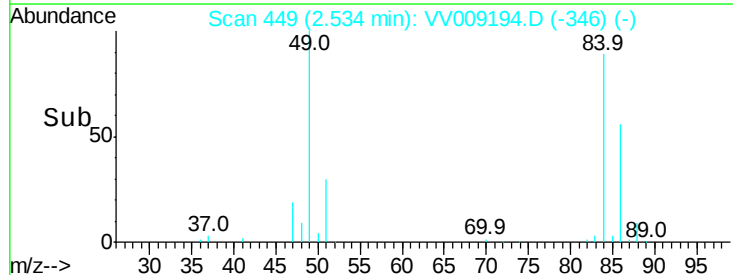
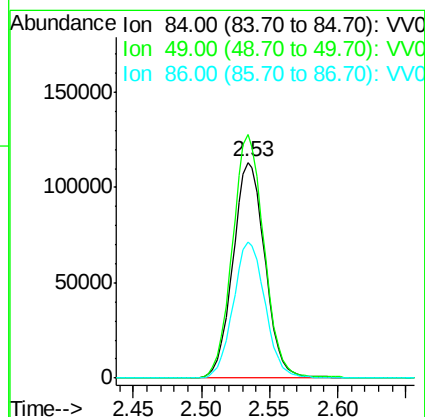
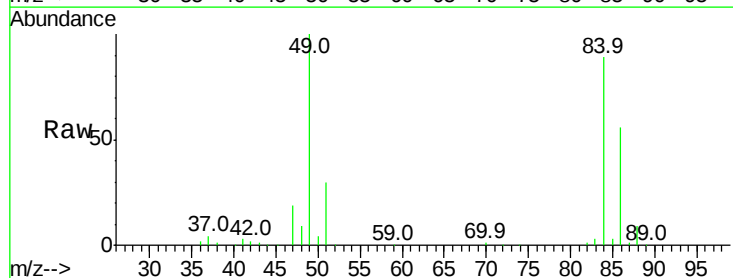
Instrument :
MSVOA_V
ClientSampleId :
VSTD05080

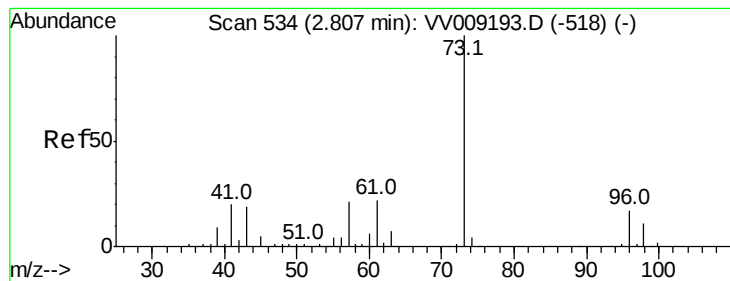
Tgt Ion: 43 Resp: 90255
Ion Ratio Lower Upper
43 100
74 26.9 17.8 26.8#



#16
Methylene chloride
Concen: 46.669 ug/L
RT: 2.53 min Scan# 449
Delta R.T. -0.00 min
Lab File: VV009194.D
Acq: 08 Jan 2019 14:24

Tgt Ion: 84 Resp: 184346
Ion Ratio Lower Upper
84 100
49 112.7 92.0 170.9
86 63.2 44.9 83.3



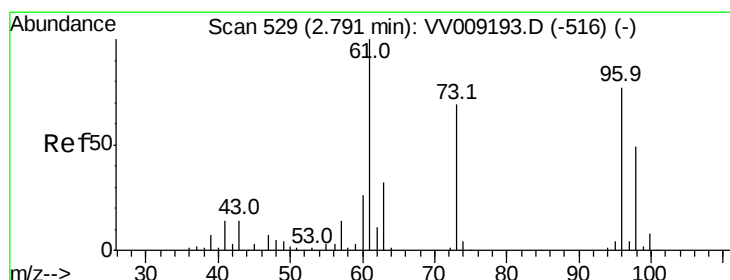
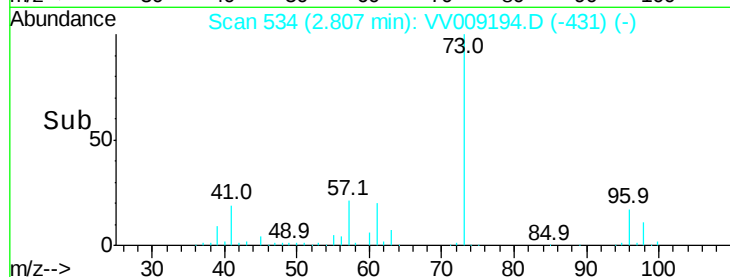
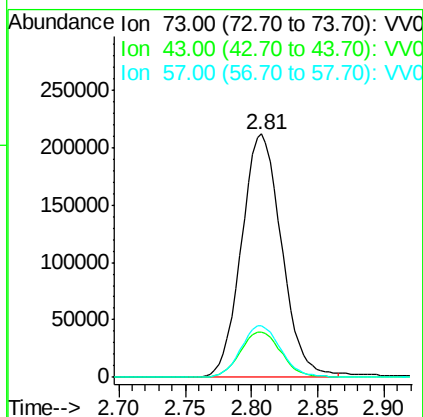
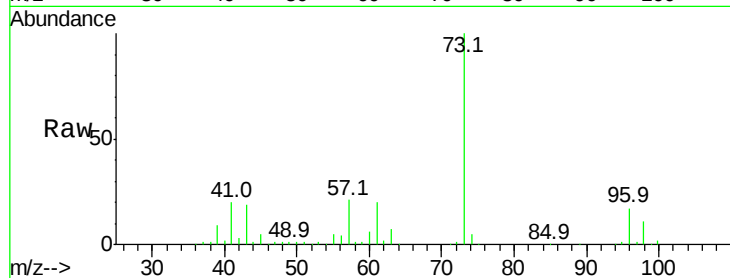


#17

Methyl tert-butyl Ether
 Concen: 55.938 ug/L
 RT: 2.81 min Scan# 534
 Delta R.T. -0.00 min
 Lab File: VV009194.D
 Acq: 08 Jan 2019 14:24

Instrument :
 MSVOA_V
 ClientSampled :
 VSTD05080

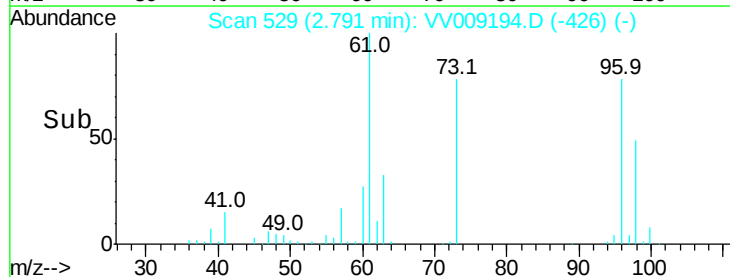
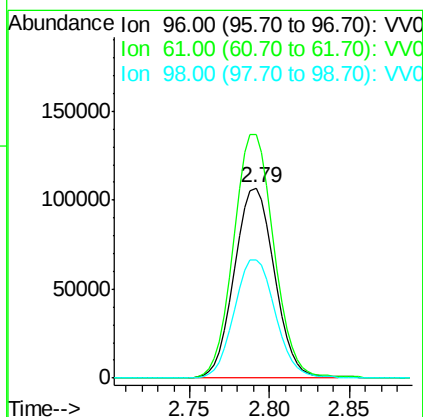
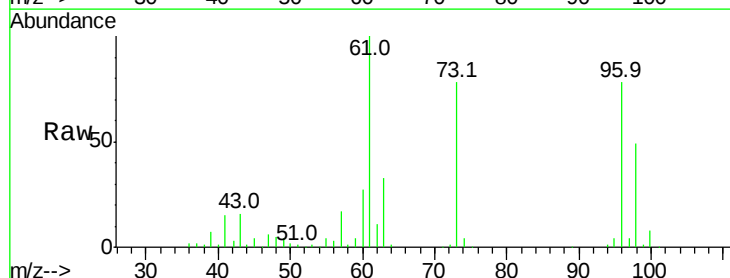
Tgt Ion: 73 Resp: 447181
 Ion Ratio Lower Upper
 73 100
 43 19.0 15.4 23.0
 57 21.1 16.4 24.6

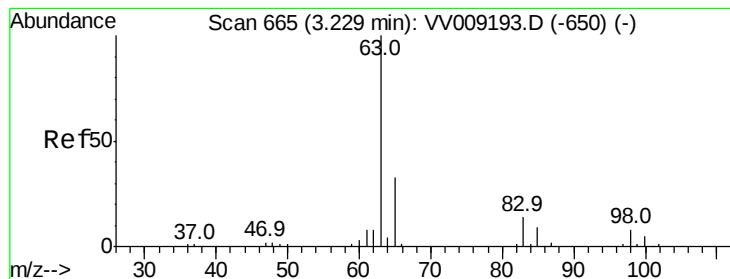


#18

trans-1,2-Dichloroethene
 Concen: 52.917 ug/L
 RT: 2.79 min Scan# 529
 Delta R.T. -0.00 min
 Lab File: VV009194.D
 Acq: 08 Jan 2019 14:24

Tgt Ion: 96 Resp: 183029
 Ion Ratio Lower Upper
 96 100
 61 127.8 91.3 169.5
 98 62.5 44.6 82.8





#19

1,1-Dichloroethane

Concen: 51.862 ug/L

RT: 3.23 min Scan# 665

Delta R.T. -0.00 min

Lab File: VV009194.D

Acq: 08 Jan 2019 14:24

Instrument :

MSVOA_V

ClientSampleId :

VSTD05080

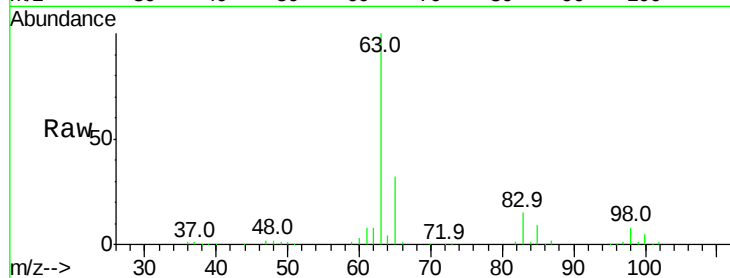
Tgt Ion: 63 Resp: 297875

Ion Ratio Lower Upper

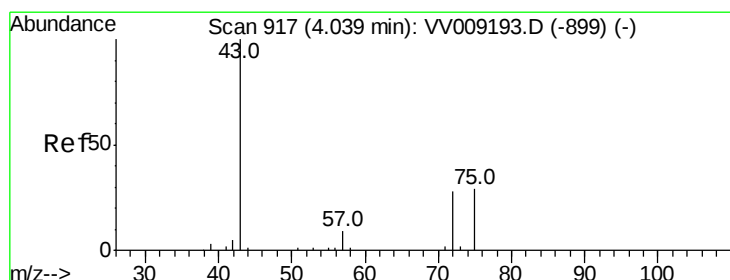
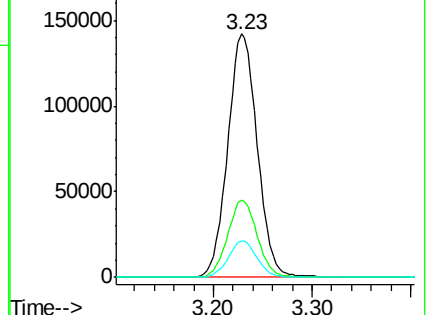
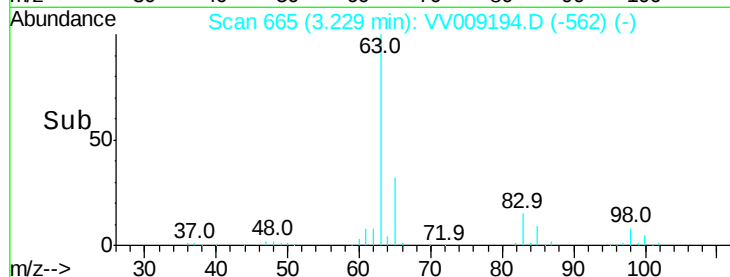
63 100

65 31.7 23.0 42.6

83 14.9 10.1 18.9



Abundance Ion 63.00 (62.70 to 63.70): VV009194.D (-562) (-)



#21

2-Butanone

Concen: 101.123 ug/L

RT: 4.03 min Scan# 915

Delta R.T. -0.01 min

Lab File: VV009194.D

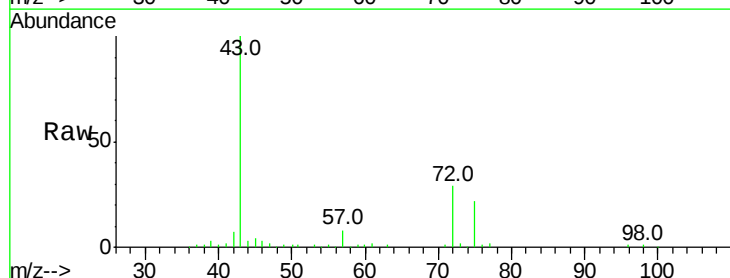
Acq: 08 Jan 2019 14:24

Tgt Ion: 43 Resp: 159487

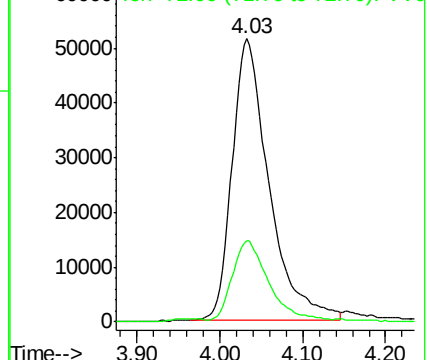
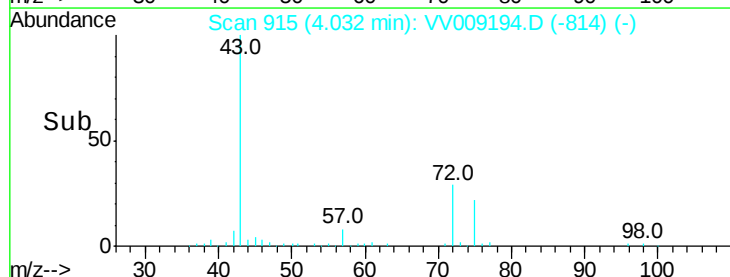
Ion Ratio Lower Upper

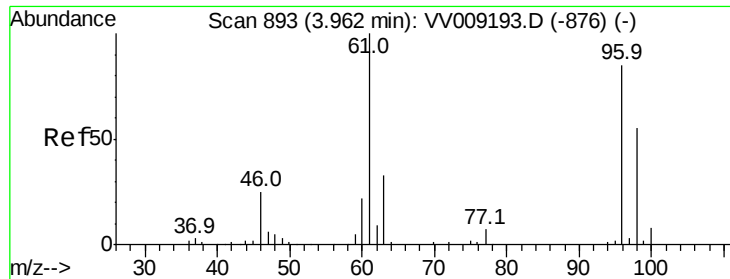
43 100

72 26.1 12.9 38.6



Abundance Ion 43.00 (42.70 to 43.70): VV009194.D (-814) (-)



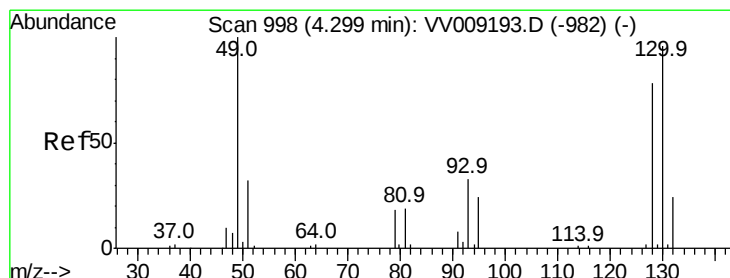
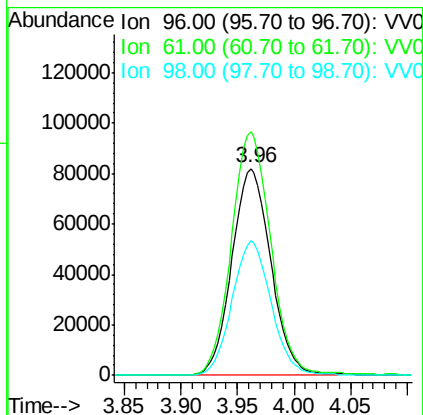
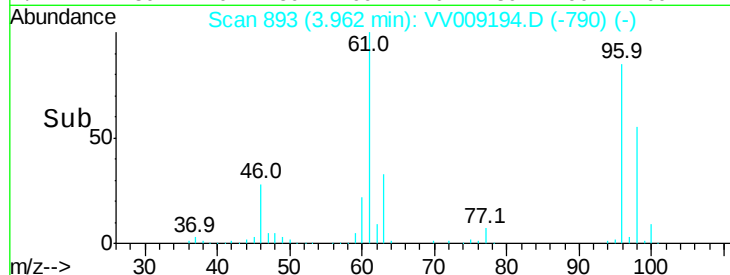
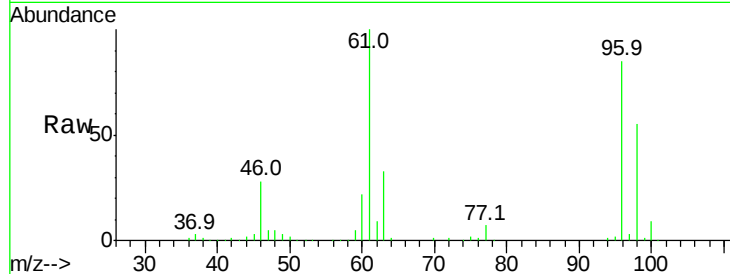


#22

cis-1,2-Dichloroethene
Concen: 53.365 ug/L
RT: 3.96 min Scan# 893
Delta R.T. -0.00 min
Lab File: VV009194.D
Acq: 08 Jan 2019 14:24

Instrument :
MSVOA_V
ClientSampleId :
VSTD05080

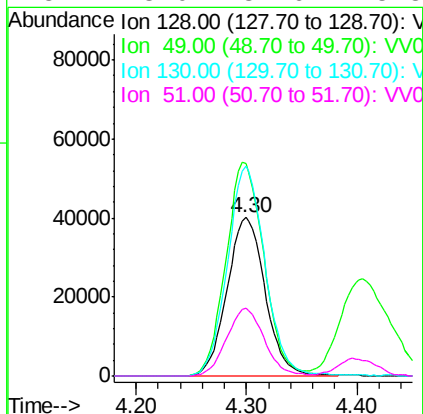
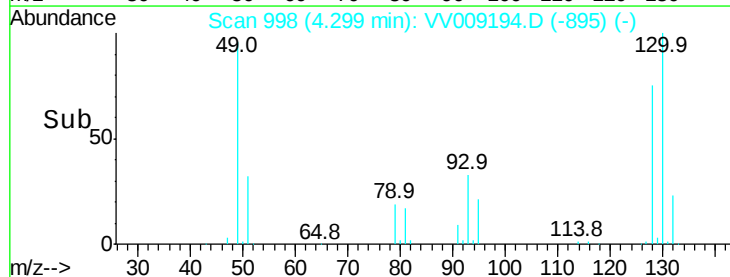
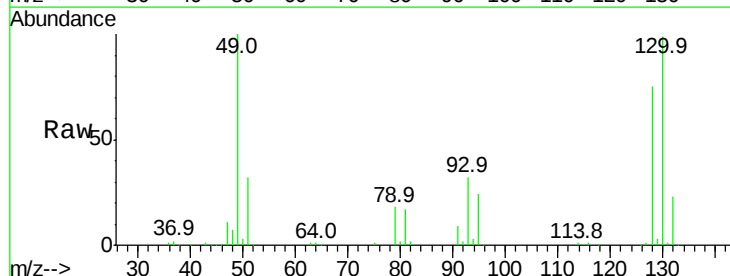
Tgt Ion: 96 Resp: 197320
Ion Ratio Lower Upper
96 100
61 117.6 82.2 152.6
98 65.0 45.1 83.9

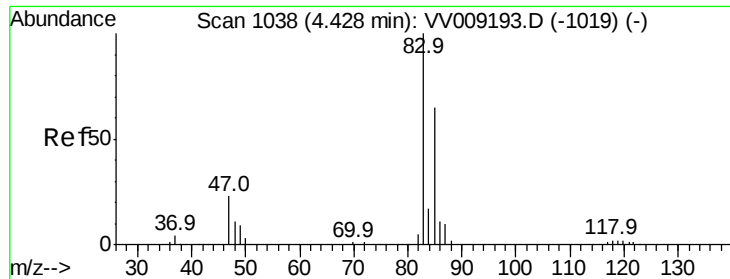


#23

Bromochloromethane
Concen: 55.275 ug/L
RT: 4.30 min Scan# 998
Delta R.T. -0.00 min
Lab File: VV009194.D
Acq: 08 Jan 2019 14:24

Tgt Ion: 128 Resp: 96156
Ion Ratio Lower Upper
128 100
49 133.9 89.2 165.6
130 132.7 85.9 159.5
51 43.0 32.6 48.8





#25

Chloroform

Concen: 52.323 ug/L

RT: 4.43 min Scan# 1038

Delta R.T. -0.00 min

Lab File: VV009194.D

Acq: 08 Jan 2019 14:24

Instrument :

MSVOA_V

ClientSampleId :

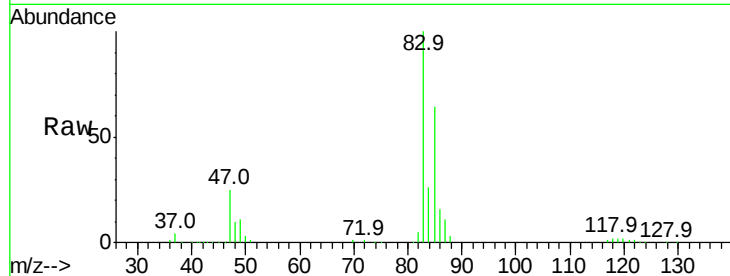
VSTD05080

Tgt Ion: 83 Resp: 320030

Ion Ratio Lower Upper

83 100

85 66.1 46.2 85.8



Abundance Ion 83.00 (82.70 to 83.70): VV009194.D (-935) (-)

Ion 85.00 (84.70 to 85.70): VV009194.D (-935) (-)

4.43

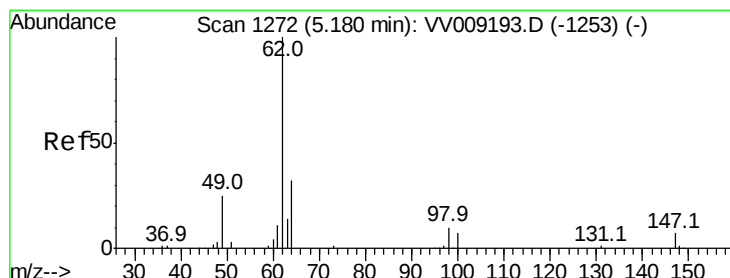
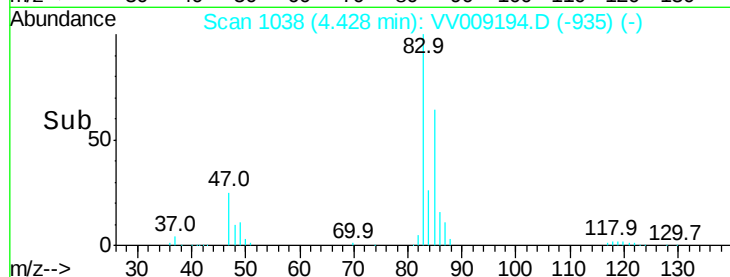
150000

100000

50000

0

Time--> 4.30 4.35 4.40 4.45 4.50



#27

1,2-Dichloroethane

Concen: 54.979 ug/L

RT: 5.18 min Scan# 1272

Delta R.T. -0.00 min

Lab File: VV009194.D

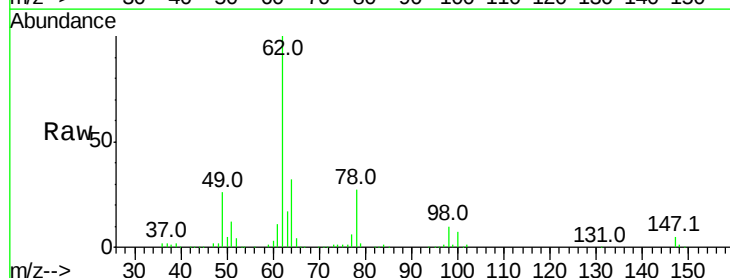
Acq: 08 Jan 2019 14:24

Tgt Ion: 62 Resp: 225879

Ion Ratio Lower Upper

62 100

98 10.2 8.2 12.2



Abundance Ion 62.00 (61.70 to 62.70): VV009194.D (-1169) (-)

Ion 98.00 (97.70 to 98.70): VV009194.D (-1169) (-)

5.18

120000

100000

80000

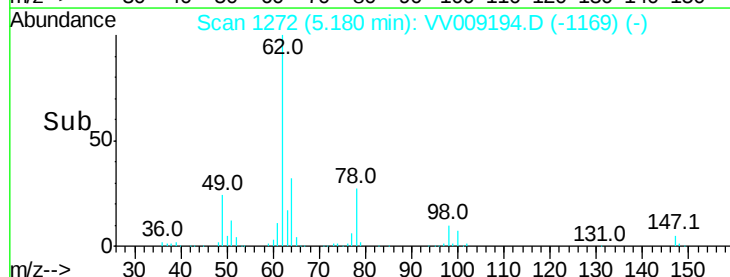
60000

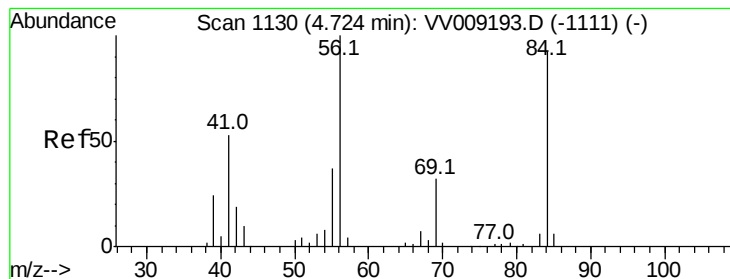
40000

20000

0

Time--> 5.10 5.20 5.30





#30

Cyclohexane

Concen: 52.352 ug/L

RT: 4.73 min Scan# 1131

Delta R.T. 0.00 min

Lab File: VV009194.D

Acq: 08 Jan 2019 14:24

Instrument :

MSVOA_V

ClientSampleId :

VSTD05080

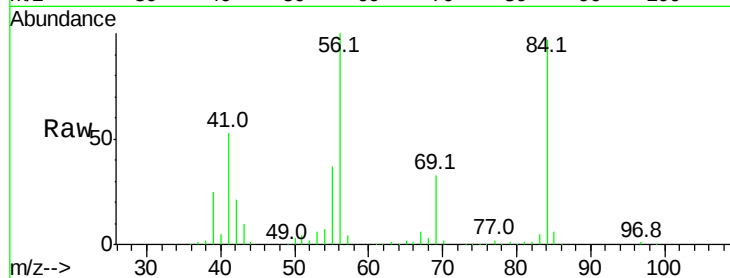
Tgt Ion: 56 Resp: 287000

Ion Ratio Lower Upper

56 100

69 32.7 25.9 38.9

84 95.0 75.6 113.4

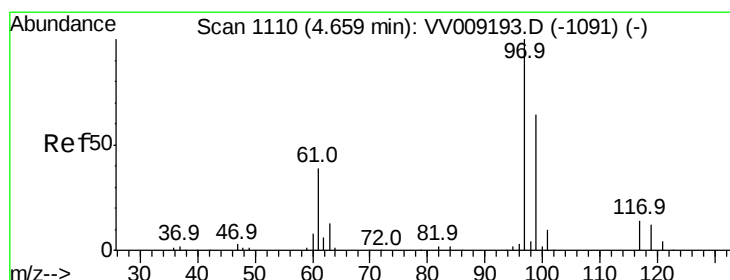
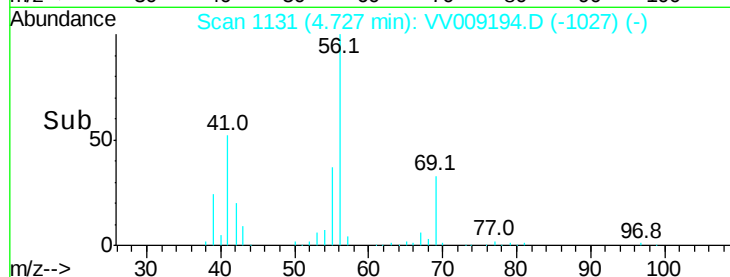
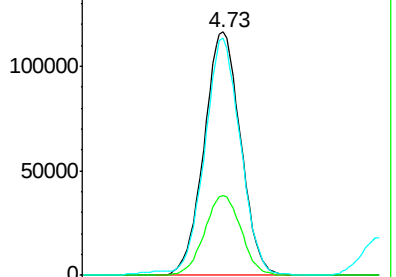


Abundance

Ion 56.00 (55.70 to 56.70): VV0

Ion 69.00 (68.70 to 69.70): VV0

Ion 84.00 (83.70 to 84.70): VV0



#31

1,1,1-Trichloroethane

Concen: 49.136 ug/L

RT: 4.66 min Scan# 1110

Delta R.T. -0.00 min

Lab File: VV009194.D

Acq: 08 Jan 2019 14:24

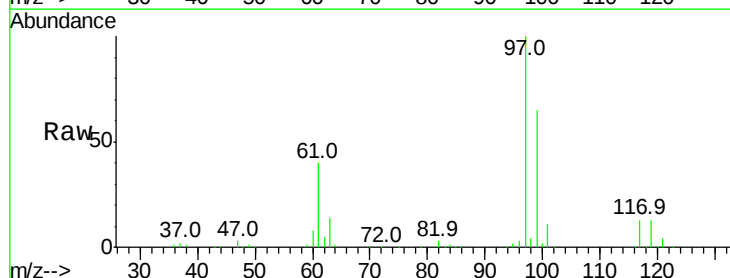
Tgt Ion: 97 Resp: 295419

Ion Ratio Lower Upper

97 100

99 64.9 51.3 76.9

61 40.5 32.1 48.1

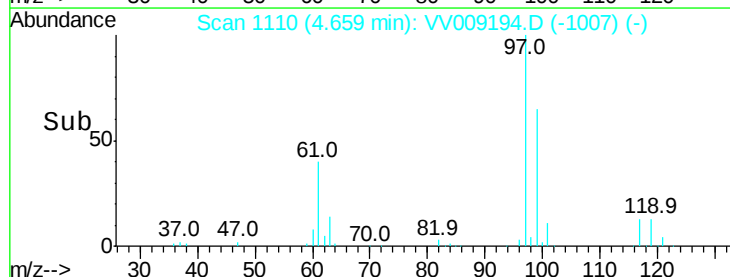
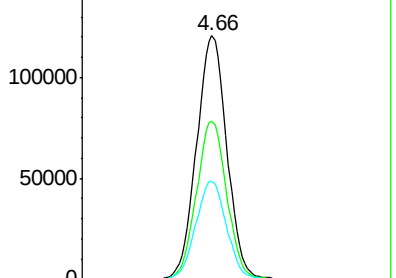


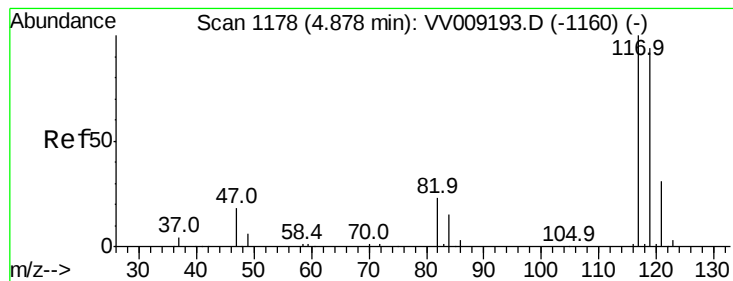
Abundance

Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

Ion 61.00 (60.70 to 61.70): VV0





#32

Carbon tetrachloride

Concen: 50.353 ug/L

RT: 4.88 min Scan# 1178

Delta R.T. -0.00 min

Lab File: VV009194.D

Acq: 08 Jan 2019 14:24

Instrument :

MSVOA_V

ClientSampleId :

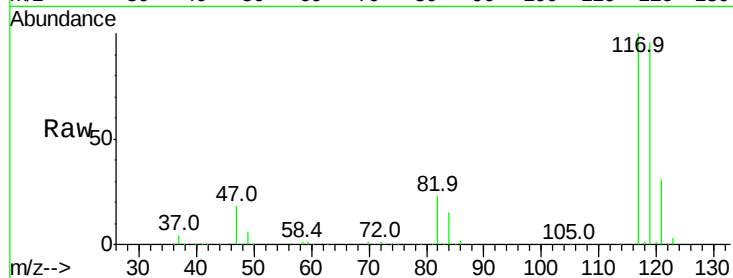
VSTD05080

Tgt Ion:117 Resp: 277094

Ion Ratio Lower Upper

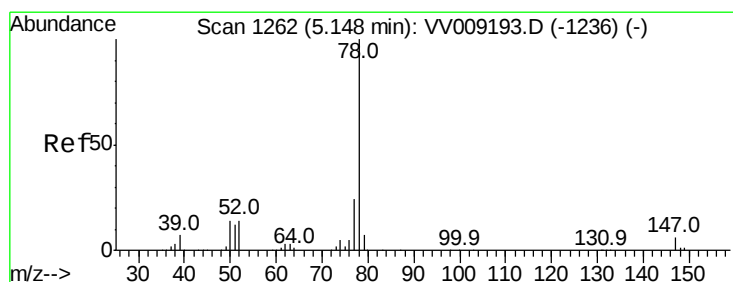
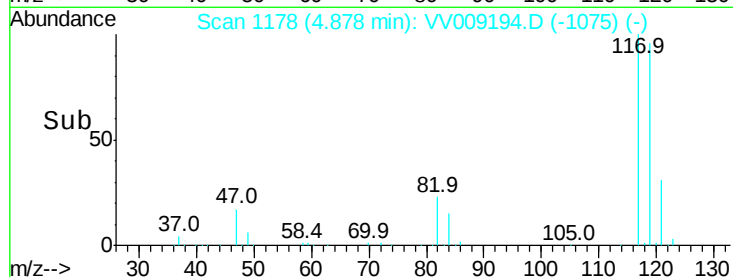
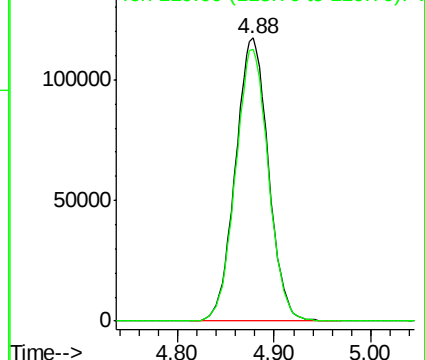
117 100

119 95.8 76.3 114.5



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 52.257 ug/L

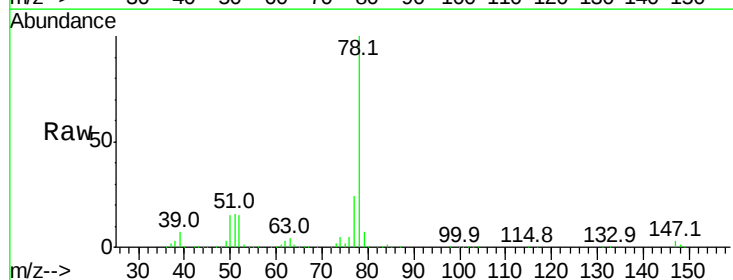
RT: 5.15 min Scan# 1262

Delta R.T. -0.00 min

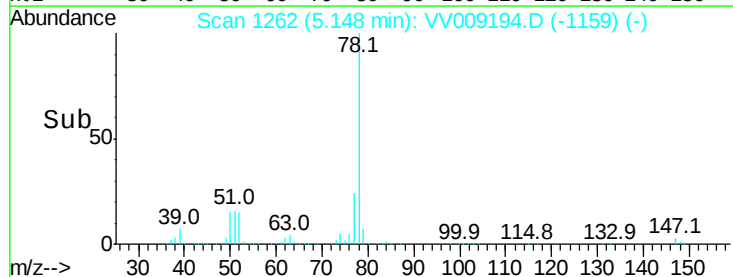
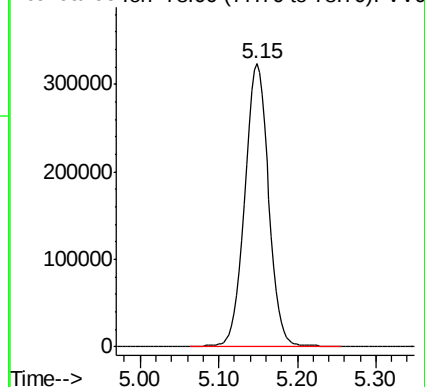
Lab File: VV009194.D

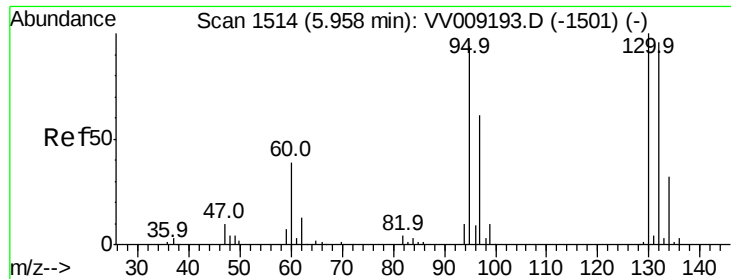
Acq: 08 Jan 2019 14:24

Tgt Ion: 78 Resp: 694693



Abundance Ion 78.00 (77.70 to 78.70): VV0





#35

Trichloroethene

Concen: 50.651 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. -0.00 min

Lab File: VV009194.D

Acq: 08 Jan 2019 14:24

Instrument :

MSVOA_V

ClientSampleId :

VSTD05080

Tgt Ion: 95 Resp: 193986

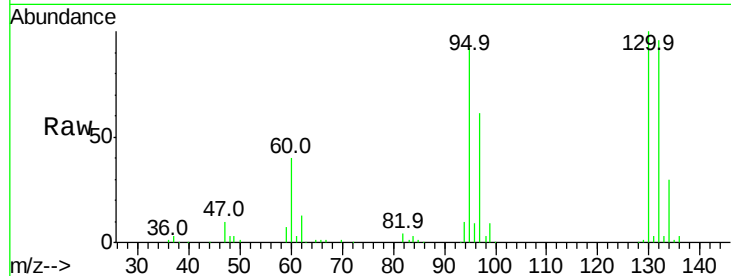
Ion Ratio Lower Upper

95 100

97 65.1 44.7 82.9

132 103.7 71.2 132.2

130 107.2 74.4 138.2

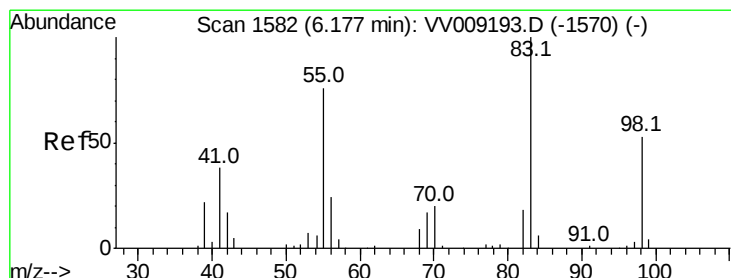
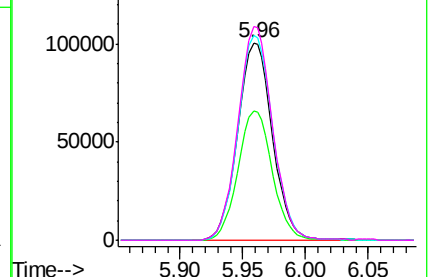
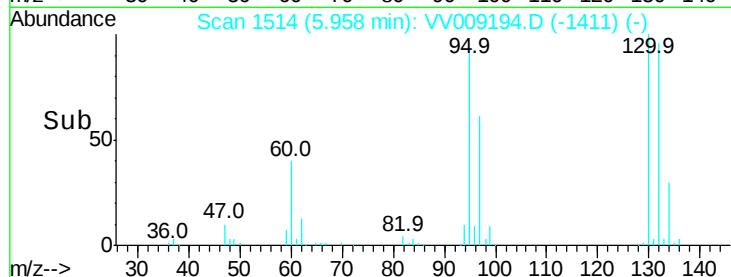


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): VV0

Ion 130.00 (129.70 to 130.70): VV0



#36

Methylcyclohexane

Concen: 52.383 ug/L

RT: 6.18 min Scan# 1582

Delta R.T. -0.00 min

Lab File: VV009194.D

Acq: 08 Jan 2019 14:24

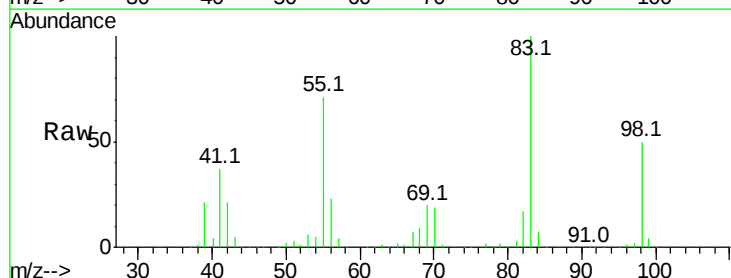
Tgt Ion: 83 Resp: 335207

Ion Ratio Lower Upper

83 100

55 70.9 57.6 86.4

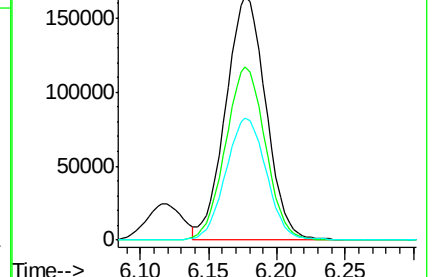
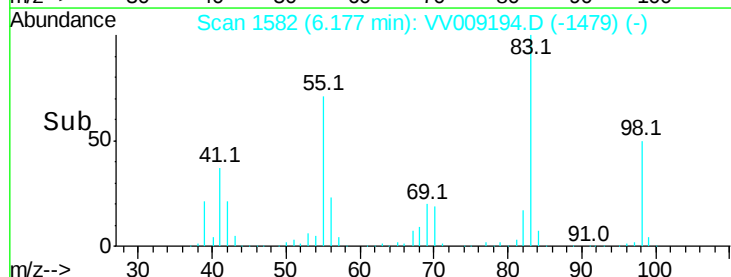
98 50.6 41.0 61.6

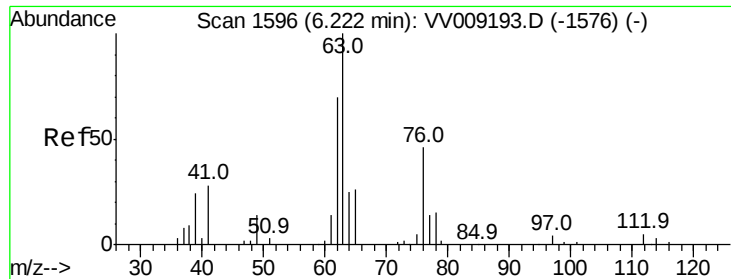


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

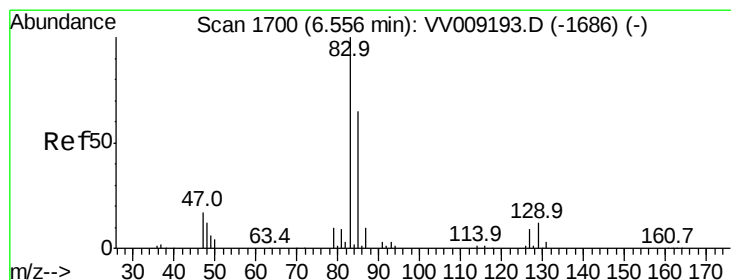
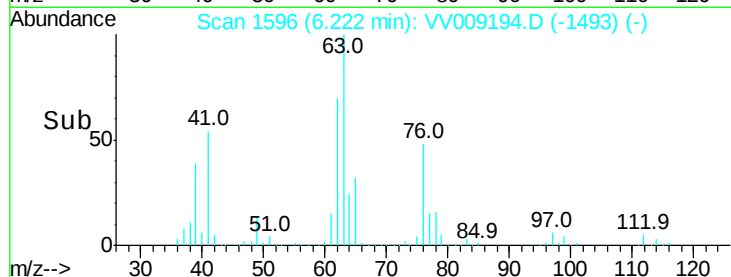
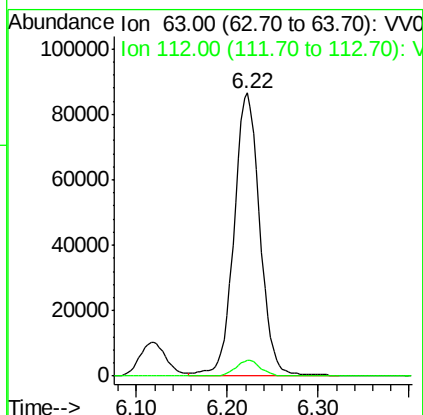
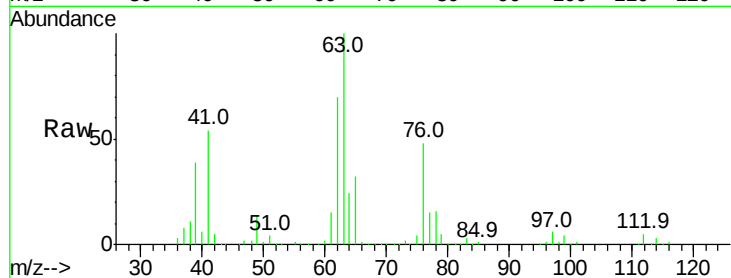




#40
 1,2-Dichloropropane
 Concen: 52.930 ug/L
 RT: 6.22 min Scan# 1596
 Delta R.T. -0.00 min
 Lab File: VV009194.D
 Acq: 08 Jan 2019 14:24

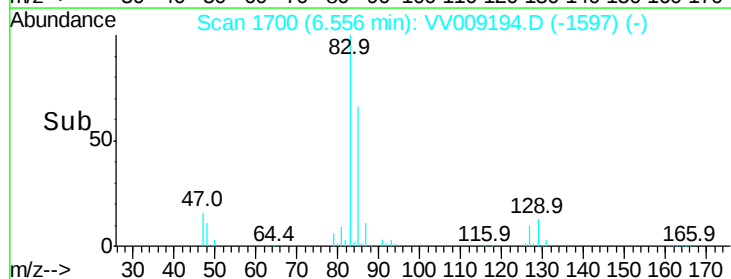
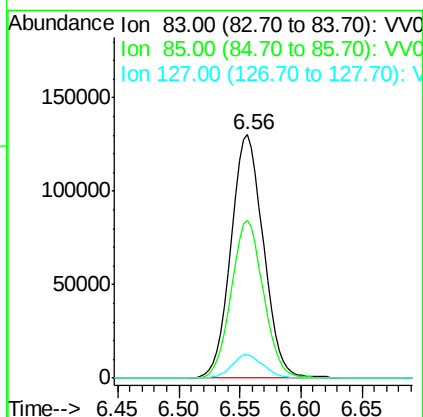
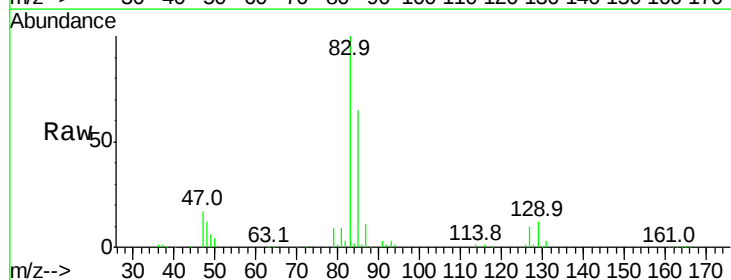
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05080

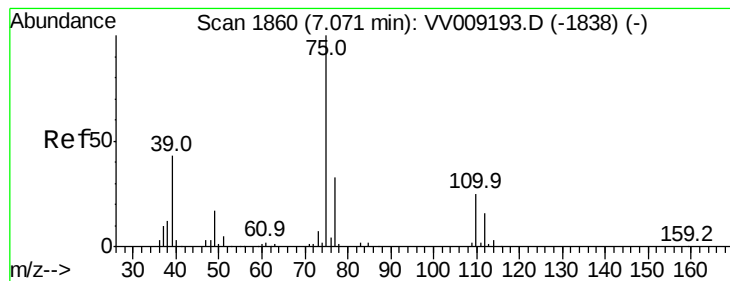
Tgt Ion: 63 Resp: 169598
 Ion Ratio Lower Upper
 63 100
 112 5.4 4.1 6.1



#41
 Bromodichloromethane
 Concen: 54.918 ug/L
 RT: 6.56 min Scan# 1700
 Delta R.T. -0.00 min
 Lab File: VV009194.D
 Acq: 08 Jan 2019 14:24

Tgt Ion: 83 Resp: 241201
 Ion Ratio Lower Upper
 83 100
 85 65.0 45.4 84.4
 127 9.5 7.2 10.8





#42

cis-1,3-Dichloropropene

Concen: 55.002 ug/L

RT: 7.07 min Scan# 1860

Delta R.T. -0.00 min

Lab File: VV009194.D

Acq: 08 Jan 2019 14:24

Instrument :

MSVOA_V

ClientSampleId :

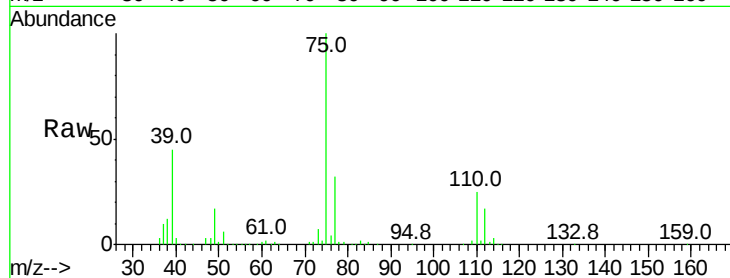
VSTD05080

Tgt Ion: 75 Resp: 279268

Ion Ratio Lower Upper

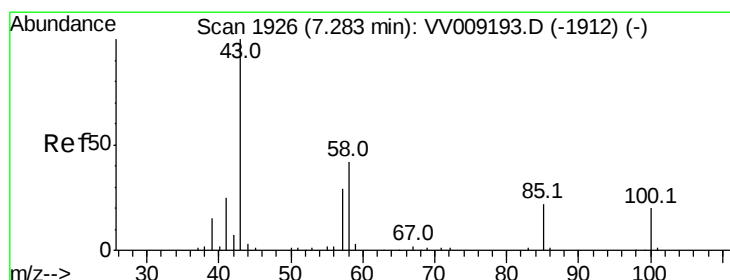
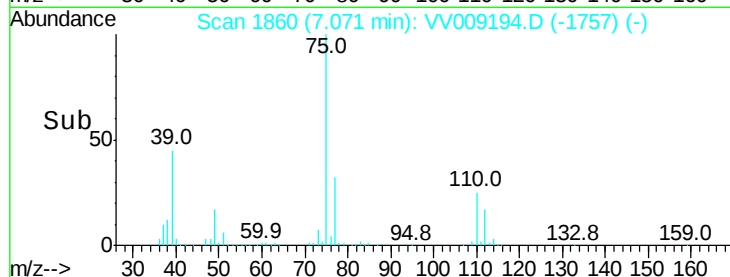
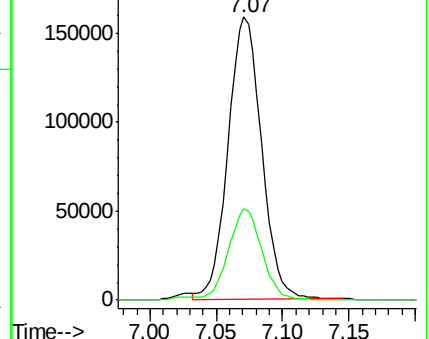
75 100

77 32.2 22.7 42.3



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0



#43

4-Methyl-2-pentanone

Concen: 83.887 ug/L

RT: 7.28 min Scan# 1925

Delta R.T. -0.00 min

Lab File: VV009194.D

Acq: 08 Jan 2019 14:24

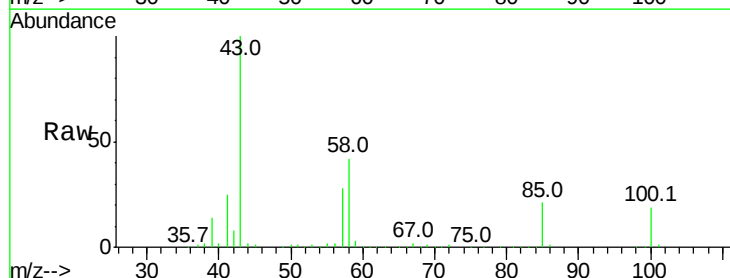
Tgt Ion: 43 Resp: 256210

Ion Ratio Lower Upper

43 100

58 41.7 32.8 49.2

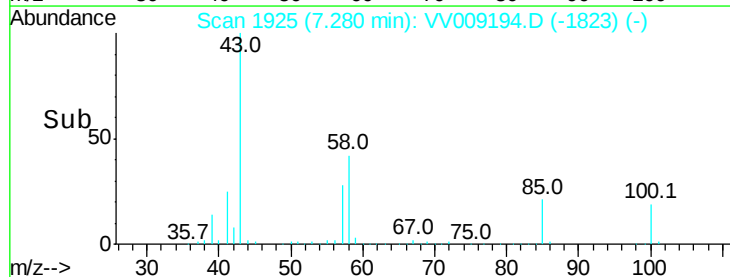
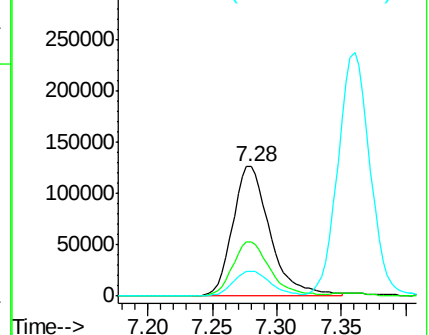
100 19.0 15.0 22.4

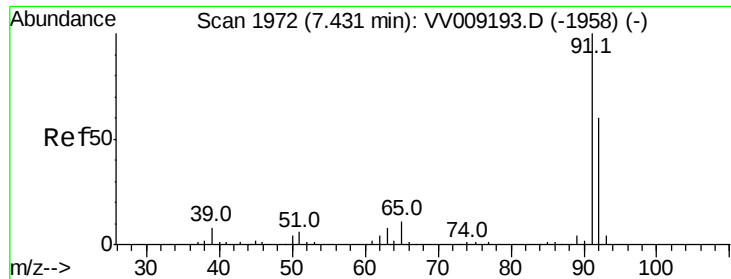


Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0

Ion 100.00 (99.70 to 100.70): VV0





#44

Toluene

Concen: 52.185 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VV009194.D

Acq: 08 Jan 2019 14:24

Instrument :

MSVOA_V

ClientSampleId :

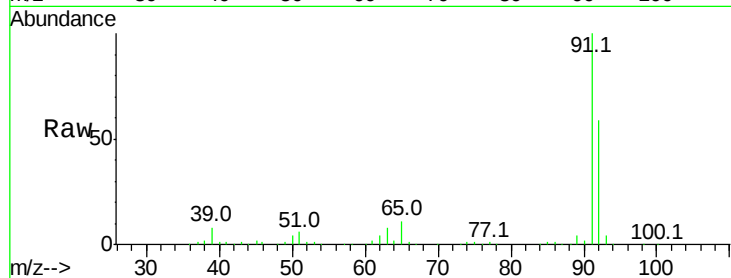
VSTD05080

Tgt Ion: 91 Resp: 747949

Ion Ratio Lower Upper

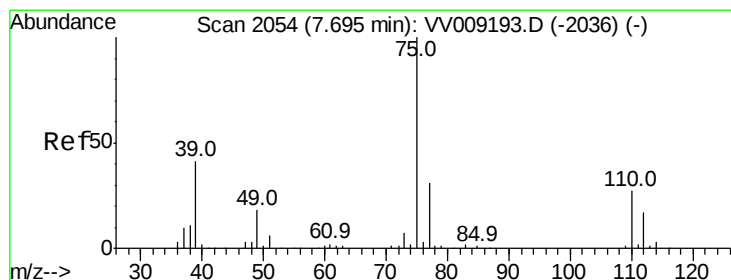
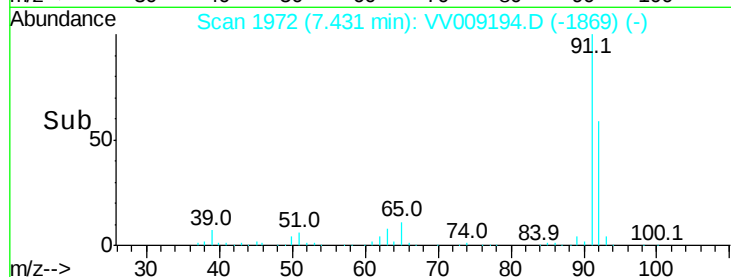
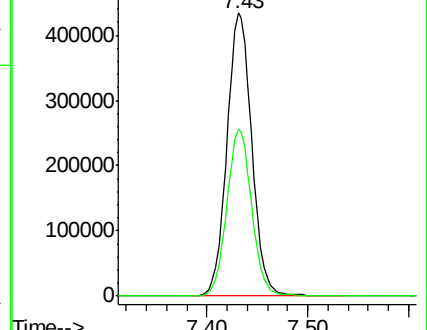
91 100

92 59.2 41.8 77.6



Abundance Ion 91.00 (90.70 to 91.70): VV009193.D (-1958) (-)

Ion 92.00 (91.70 to 92.70): VV009194.D (-1869) (-)



#45

trans-1,3-Dichloropropene

Concen: 56.483 ug/L

RT: 7.69 min Scan# 2054

Delta R.T. -0.00 min

Lab File: VV009194.D

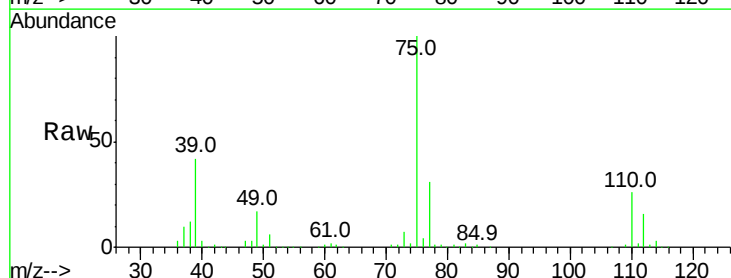
Acq: 08 Jan 2019 14:24

Tgt Ion: 75 Resp: 251092

Ion Ratio Lower Upper

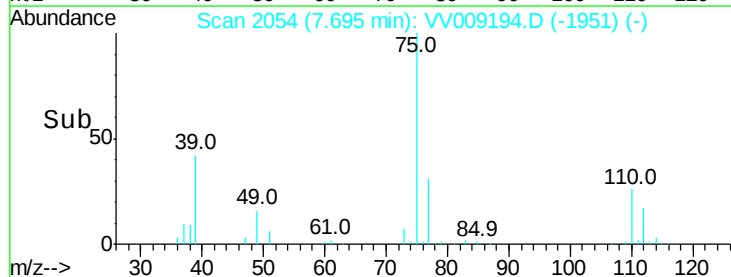
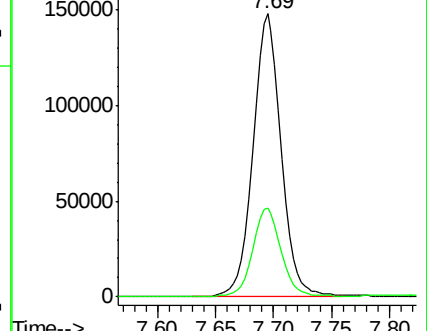
75 100

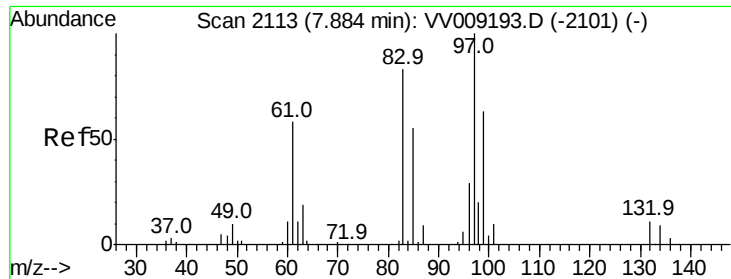
77 31.4 21.5 39.9



Abundance Ion 75.00 (74.70 to 75.70): VV009193.D (-2036) (-)

Ion 77.00 (76.70 to 77.70): VV009194.D (-1951) (-)

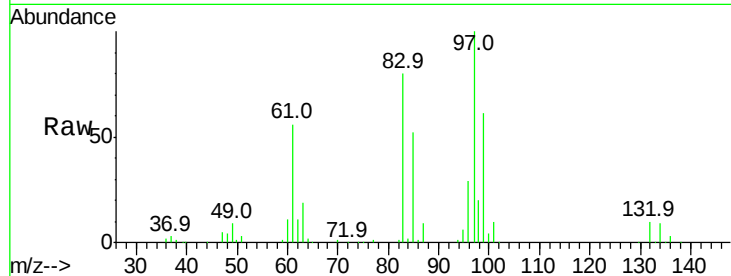




#46
 1,1,2-Trichloroethane
 Concen: 52.937 ug/L
 RT: 7.88 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VV009194.D
 Acq: 08 Jan 2019 14:24

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05080

Tgt Ion:	97	Resp:	149919
Ion	Ratio	Lower	Upper
97	100		
83	80.4	58.0	107.6
85	51.9	38.4	71.4
99	61.0	44.0	81.6

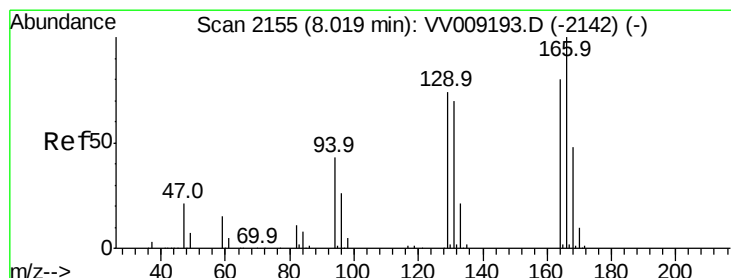
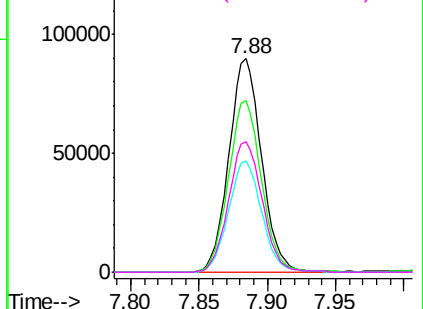
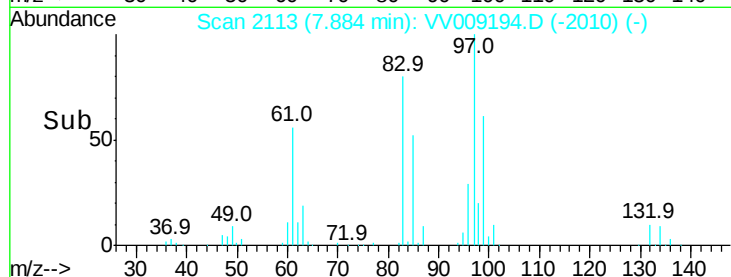


Abundance Ion 97.00 (96.70 to 97.70): VV009194.D (-2010) (-)

Ion 83.00 (82.70 to 83.70): VV009194.D (-2010) (-)

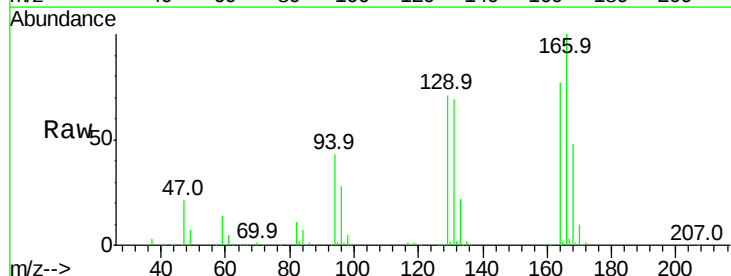
Ion 85.00 (84.70 to 85.70): VV009194.D (-2010) (-)

Ion 99.00 (98.70 to 99.70): VV009194.D (-2010) (-)



#47
 Tetrachloroethene
 Concen: 50.751 ug/L
 RT: 8.02 min Scan# 2155
 Delta R.T. -0.00 min
 Lab File: VV009194.D
 Acq: 08 Jan 2019 14:24

Tgt Ion:	164	Resp:	168395
Ion	Ratio	Lower	Upper
164	100		
129	92.4	65.3	121.3
131	89.8	61.8	114.8
166	129.4	87.8	163.0

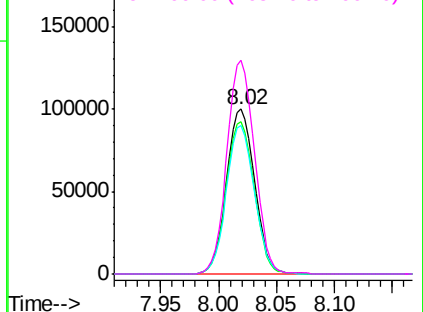
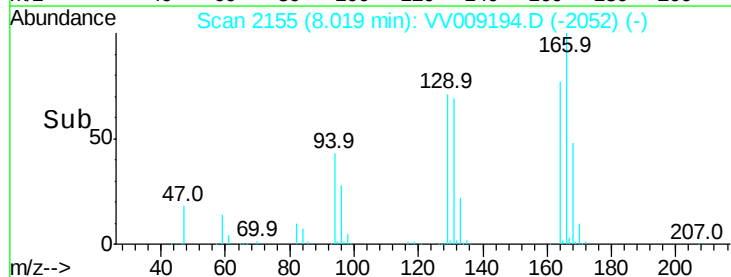


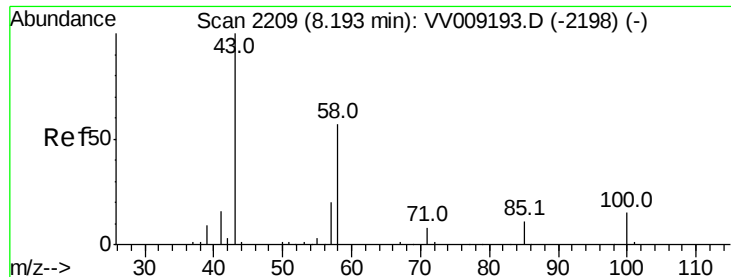
Abundance Ion 164.00 (163.70 to 164.70): VV009194.D (-2052) (-)

Ion 129.00 (128.70 to 129.70): VV009194.D (-2052) (-)

Ion 131.00 (130.70 to 131.70): VV009194.D (-2052) (-)

Ion 166.00 (165.70 to 166.70): VV009194.D (-2052) (-)

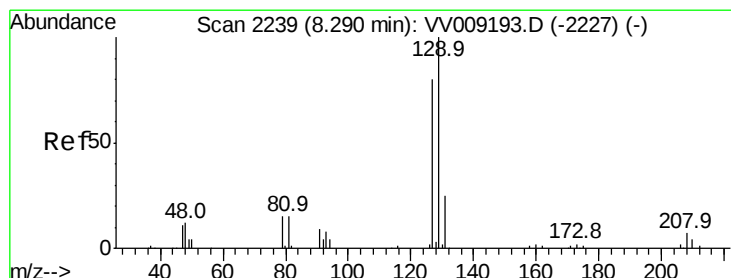
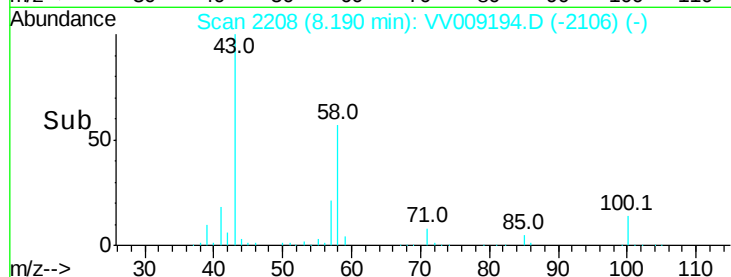
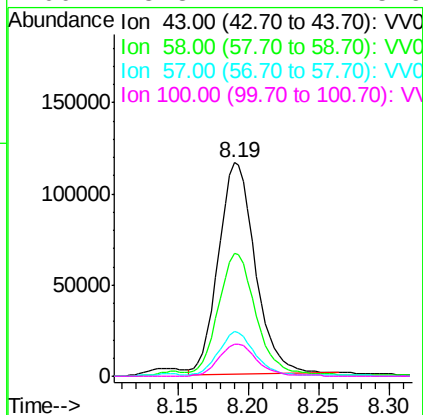
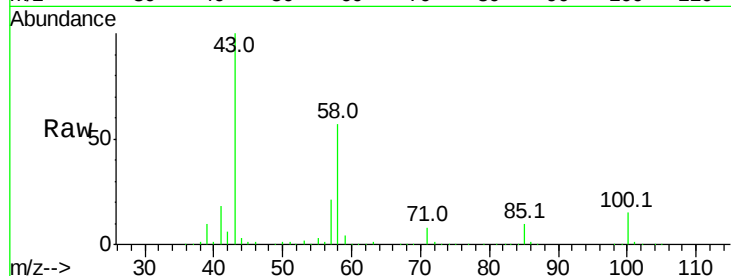




#49
2-Hexanone
Concen: 94.497 ug/L
RT: 8.19 min Scan# 2208
Delta R.T. -0.00 min
Lab File: VV009194.D
Acq: 08 Jan 2019 14:24

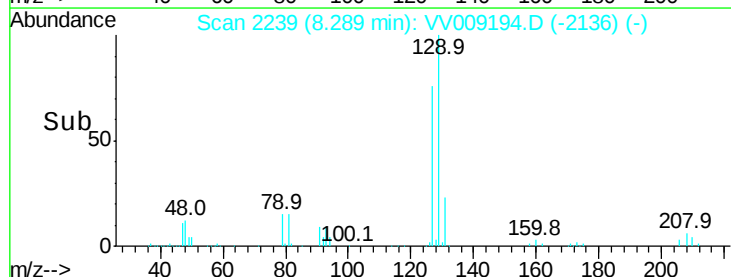
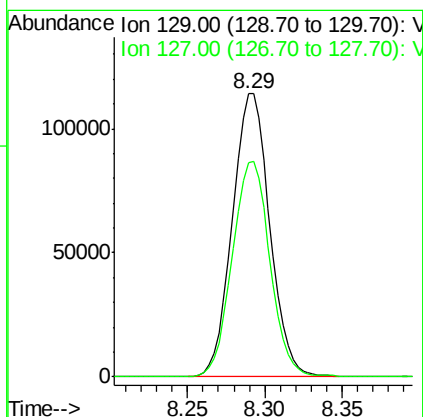
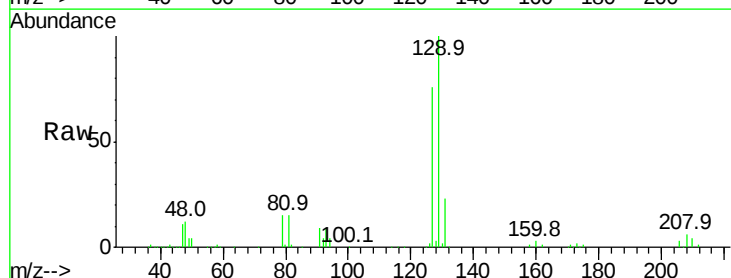
Instrument :
MSVOA_V
ClientSampleId :
VSTD05080

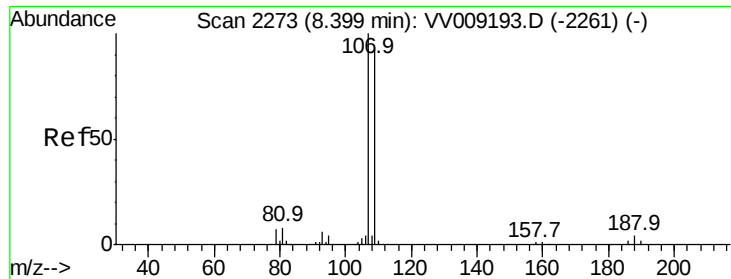
Tgt Ion: 43 Resp: 212409
Ion Ratio Lower Upper
43 100
58 59.2 48.4 72.6
57 20.7 15.6 23.4
100 15.8 12.4 18.6



#50
Dibromochloromethane
Concen: 55.092 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VV009194.D
Acq: 08 Jan 2019 14:24

Tgt Ion: 129 Resp: 191670
Ion Ratio Lower Upper
129 100
127 75.9 55.9 103.9





#51

1,2-Dibromoethane

Concen: 51.384 ug/L

RT: 8.40 min Scan# 2272

Delta R.T. -0.00 min

Lab File: VV009194.D

Acq: 08 Jan 2019 14:24

Instrument :

MSVOA_V

ClientSampleId :

VSTD05080

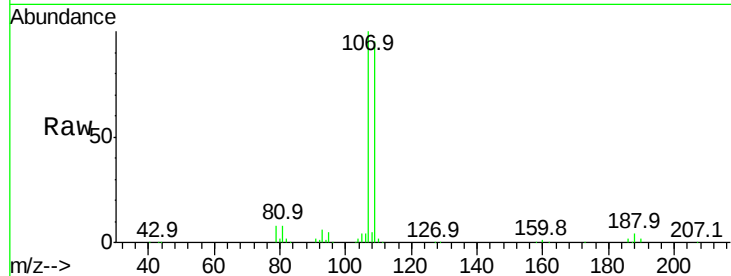
Tgt Ion:107 Resp: 152163

Ion Ratio Lower Upper

107 100

109 95.1 65.0 120.6

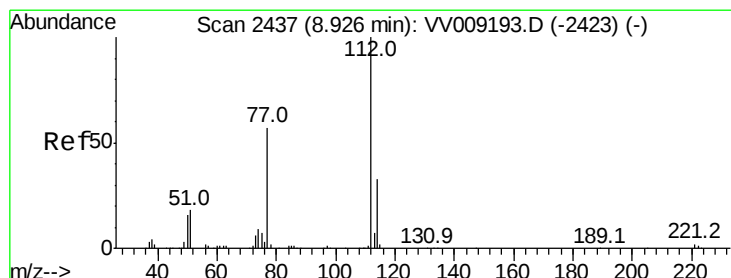
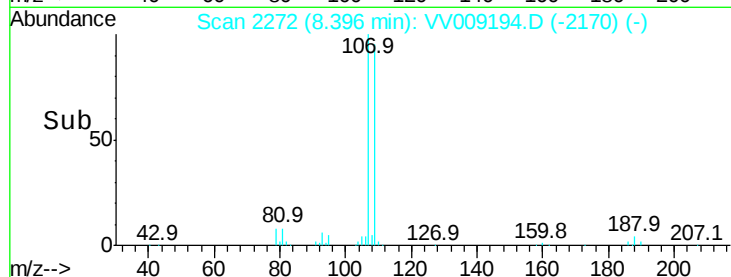
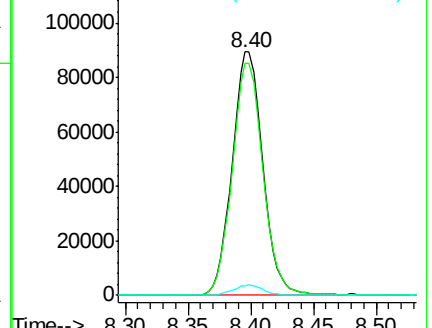
188 4.1 3.0 4.4



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V



#52

Chlorobenzene

Concen: 51.094 ug/L

RT: 8.93 min Scan# 2437

Delta R.T. -0.00 min

Lab File: VV009194.D

Acq: 08 Jan 2019 14:24

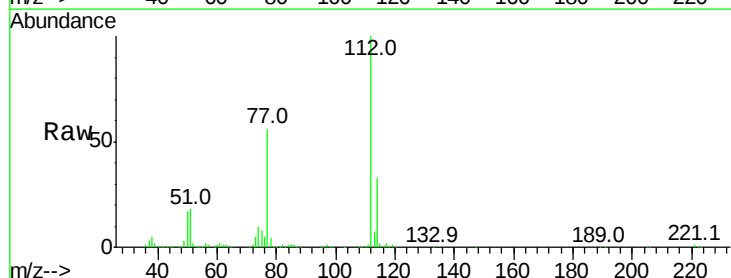
Tgt Ion:112 Resp: 502471

Ion Ratio Lower Upper

112 100

77 56.2 45.4 68.2

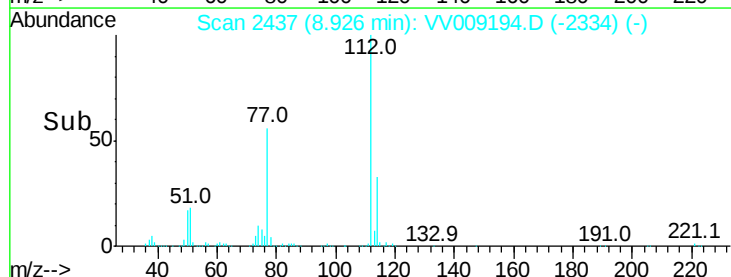
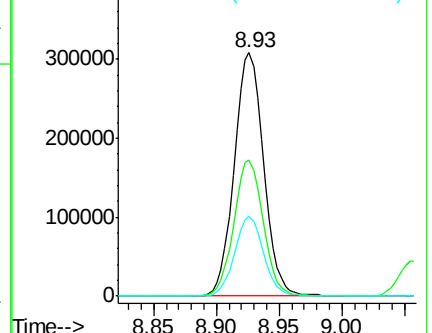
114 32.6 22.9 42.5

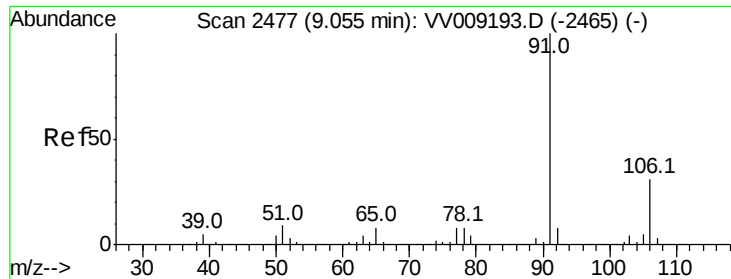


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 77.00 (76.70 to 77.70): VV0

Ion 114.00 (113.70 to 114.70): V

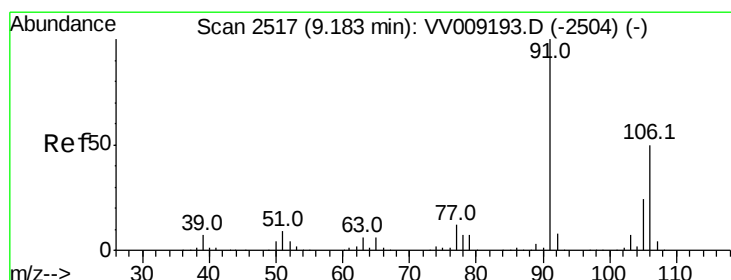
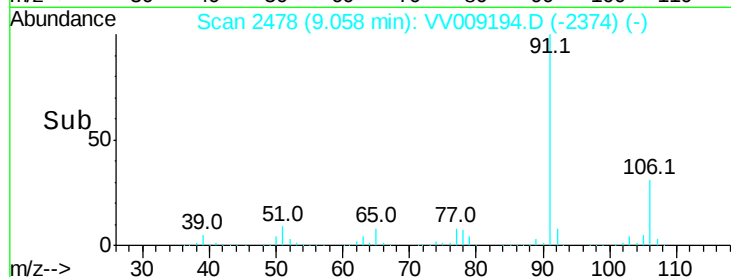
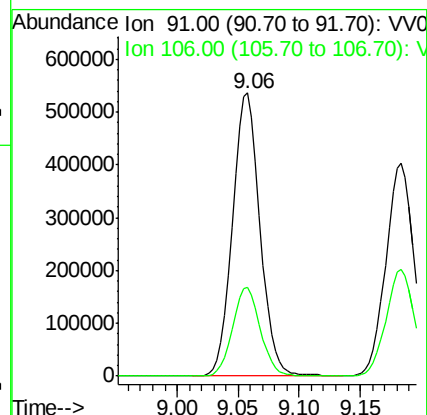
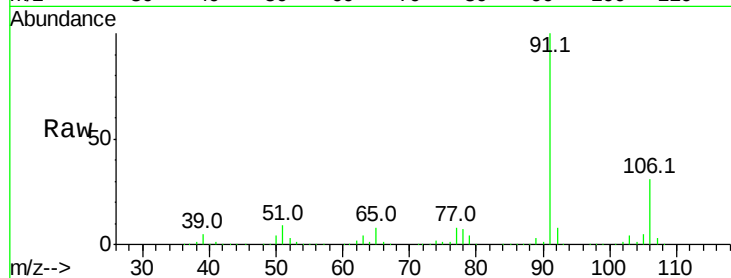




#53
Ethylbenzene
Concen: 52.228 ug/L
RT: 9.06 min Scan# 2478
Delta R.T. 0.00 min
Lab File: VV009194.D
Acq: 08 Jan 2019 14:24

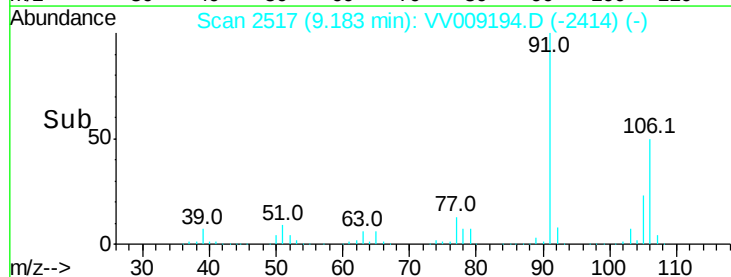
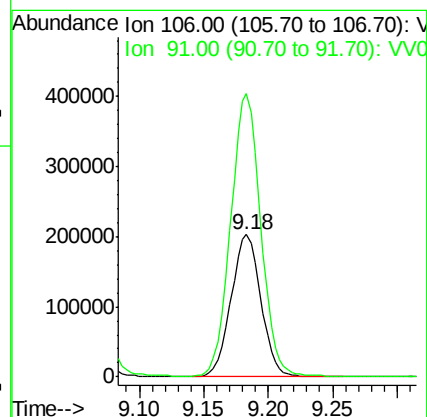
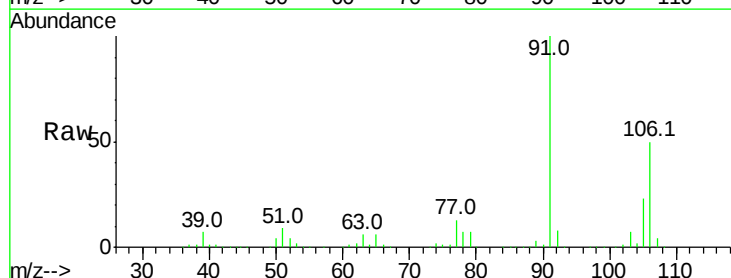
Instrument :
MSVOA_V
ClientSampleId :
VSTD05080

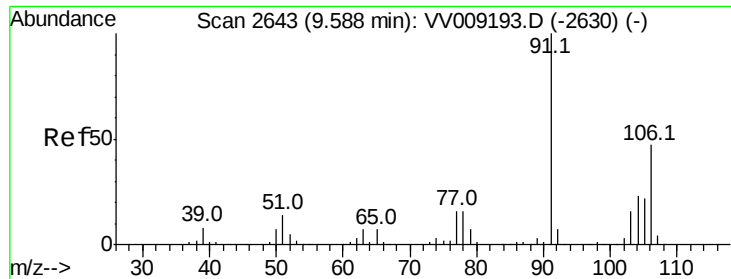
Tgt Ion: 91 Resp: 846560
Ion Ratio Lower Upper
91 100
106 31.3 21.9 40.7



#54
m,p-Xylene
Concen: 51.515 ug/L
RT: 9.18 min Scan# 2517
Delta R.T. -0.00 min
Lab File: VV009194.D
Acq: 08 Jan 2019 14:24

Tgt Ion: 106 Resp: 325323
Ion Ratio Lower Upper
106 100
91 198.7 139.2 258.6

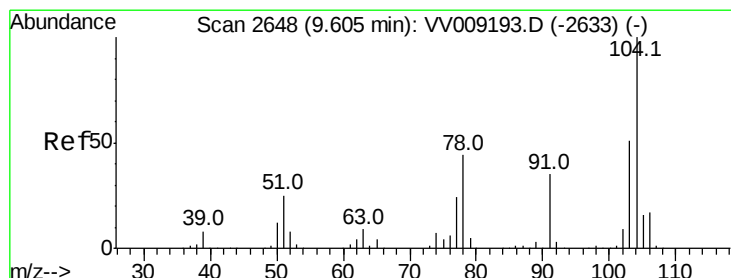
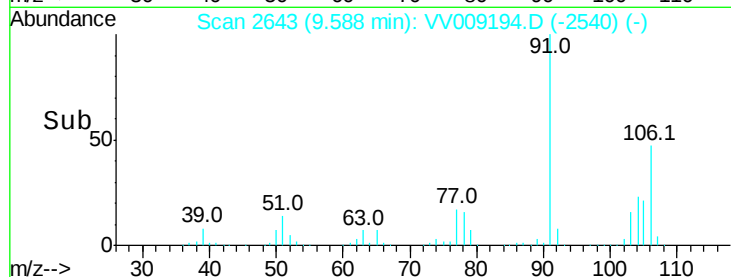
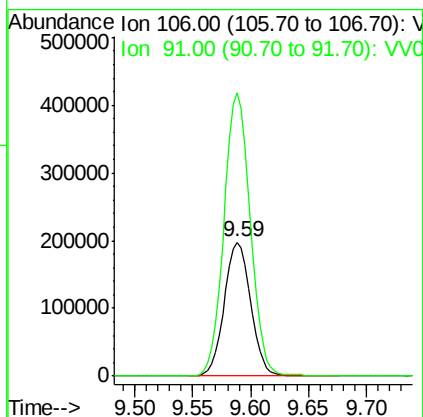
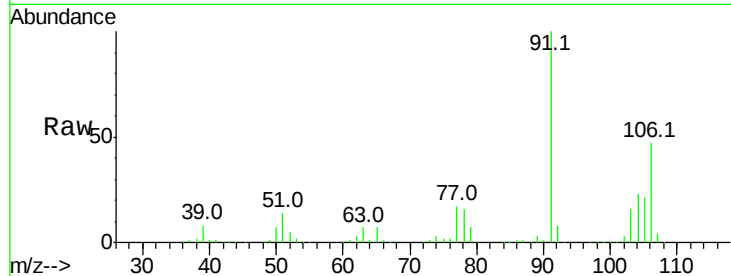




#55
o-xylene
Concen: 53.599 ug/L
RT: 9.59 min Scan# 2643
Delta R.T. -0.00 min
Lab File: VV009194.D
Acq: 08 Jan 2019 14:24

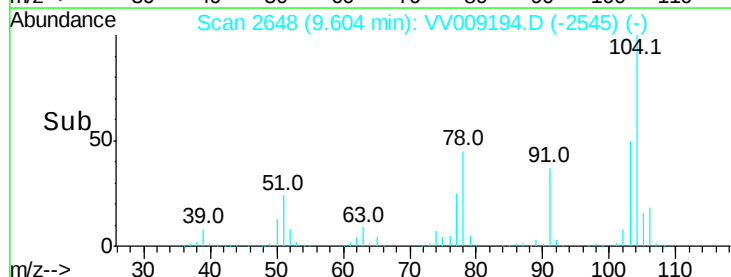
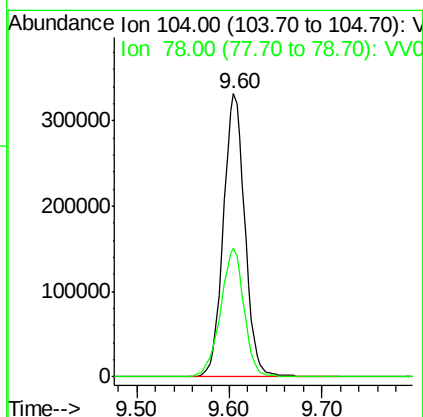
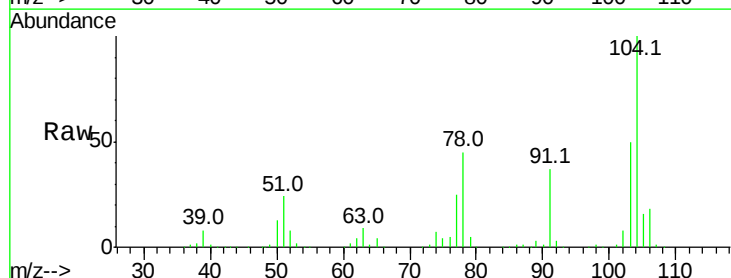
Instrument :
MSVOA_V
ClientSampleId :
VSTD05080

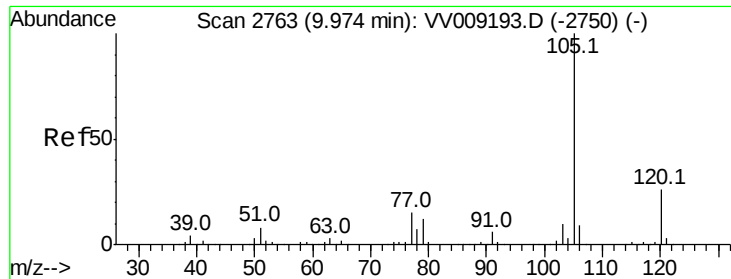
Tgt Ion:106 Resp: 312979
Ion Ratio Lower Upper
106 100
91 210.9 148.0 274.8



#56
Styrene
Concen: 54.122 ug/L
RT: 9.60 min Scan# 2648
Delta R.T. -0.00 min
Lab File: VV009194.D
Acq: 08 Jan 2019 14:24

Tgt Ion:104 Resp: 533048
Ion Ratio Lower Upper
104 100
78 45.2 30.9 57.5





#57

Isopropylbenzene

Concen: 52.152 ug/L

RT: 9.98 min Scan# 2764

Delta R.T. 0.00 min

Lab File: VV009194.D

Acq: 08 Jan 2019 14:24

Instrument :

MSVOA_V

ClientSampleId :

VSTD05080

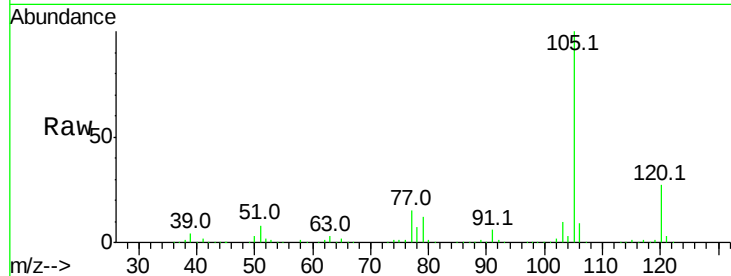
Tgt Ion: 105 Resp: 844933

Ion Ratio Lower Upper

105 100

120 26.8 21.2 31.8

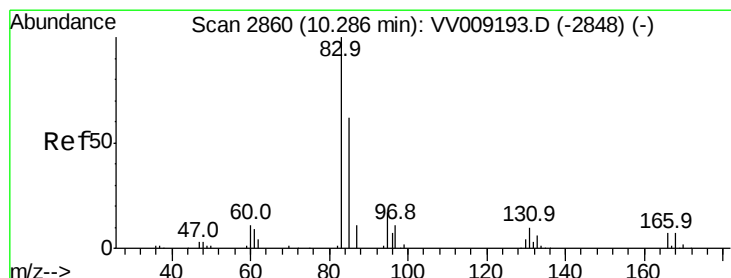
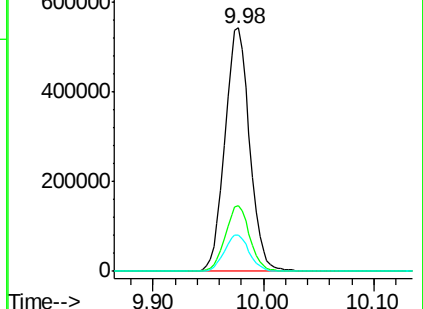
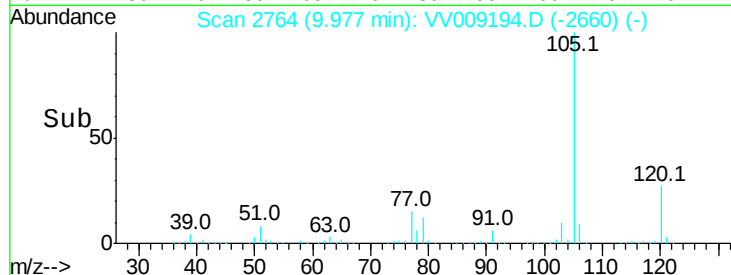
77 15.0 11.9 17.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 49.277 ug/L

RT: 10.29 min Scan# 2861

Delta R.T. 0.00 min

Lab File: VV009194.D

Acq: 08 Jan 2019 14:24

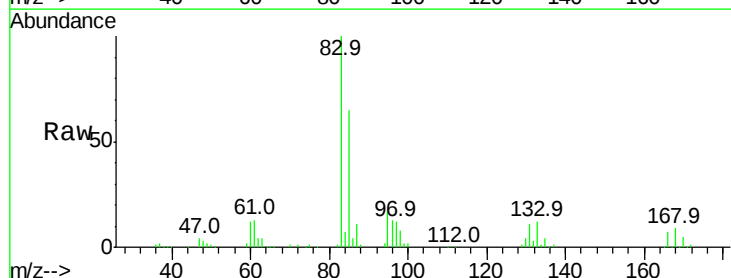
Tgt Ion: 83 Resp: 186978

Ion Ratio Lower Upper

83 100

85 65.1 43.7 81.1

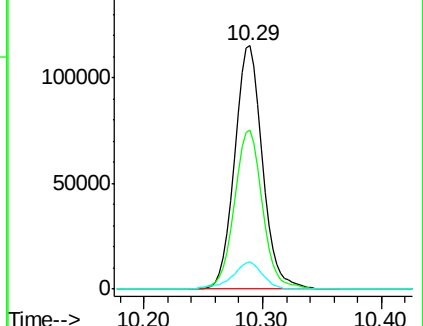
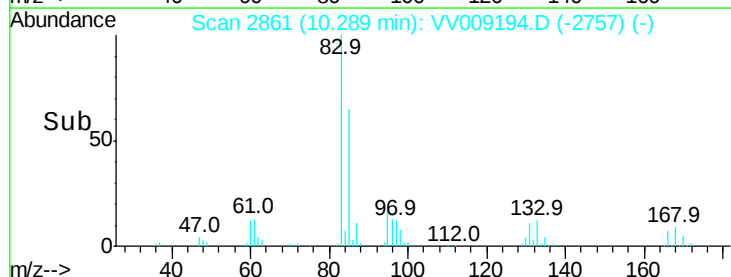
131 11.2 8.5 12.7

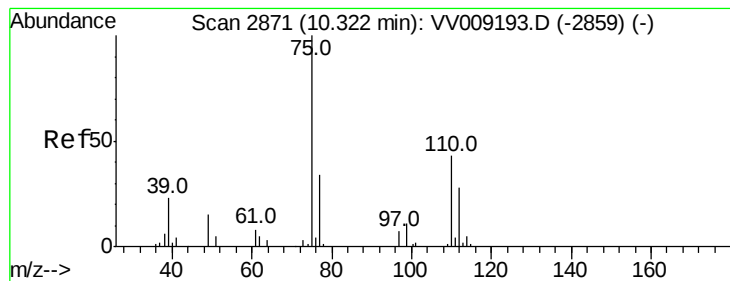


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 46.791 ug/L

RT: 10.32 min Scan# 2871

Delta R.T. -0.00 min

Lab File: VV009194.D

Acq: 08 Jan 2019 14:24

Instrument :

MSVOA_V

ClientSampleId :

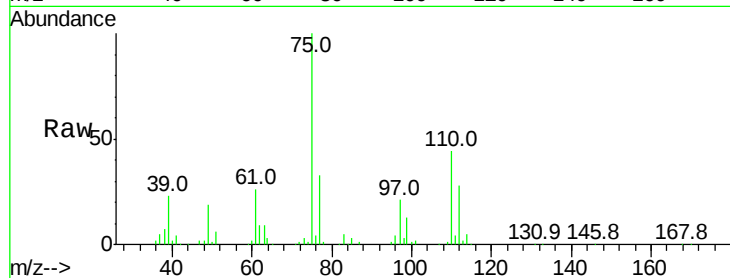
VSTD05080

Tgt Ion: 75 Resp: 141908

Ion Ratio Lower Upper

75 100

77 32.7 26.3 39.5



Abundance Ion 75.00 (74.70 to 75.70): VV009193.D (-2859) (-)

Ion 77.00 (76.70 to 77.70): VV009193.D (-2859) (-)

10.32

80000

60000

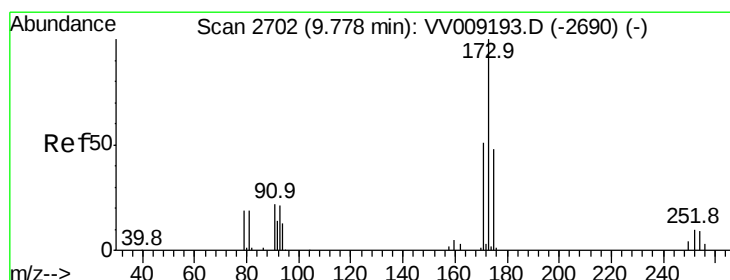
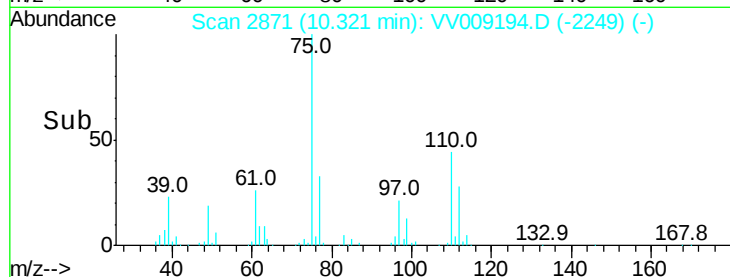
40000

20000

0

10.25 10.30 10.35 10.40

Time-->



#62

Bromoform

Concen: 53.998 ug/L

RT: 9.78 min Scan# 2702

Delta R.T. -0.00 min

Lab File: VV009194.D

Acq: 08 Jan 2019 14:24

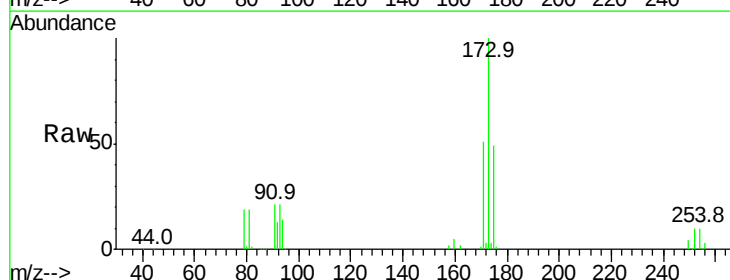
Tgt Ion: 173 Resp: 120988

Ion Ratio Lower Upper

173 100

175 49.0 38.0 57.0

254 9.4 7.7 11.5



Abundance Ion 173.00 (172.70 to 173.70): VV009193.D (-2690) (-)

Ion 175.00 (174.70 to 175.70): VV009193.D (-2690) (-)

Ion 254.00 (253.70 to 254.70): VV009193.D (-2690) (-)

9.78

80000

60000

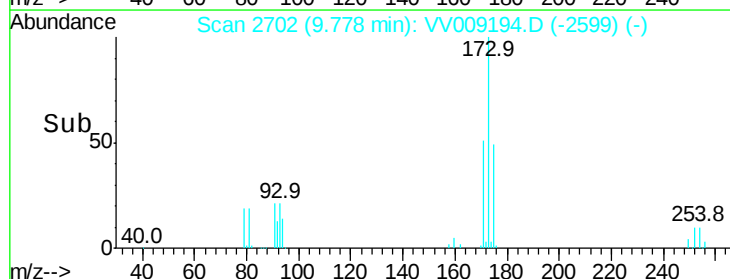
40000

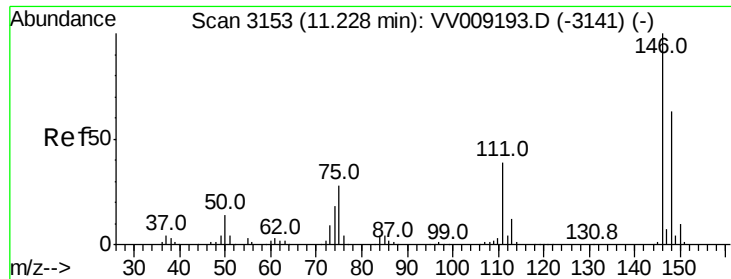
20000

0

9.70 9.75 9.80 9.85

Time-->

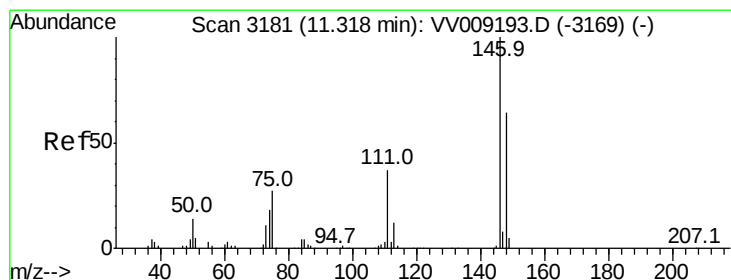
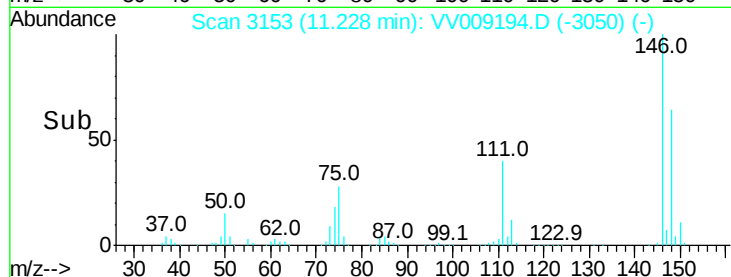
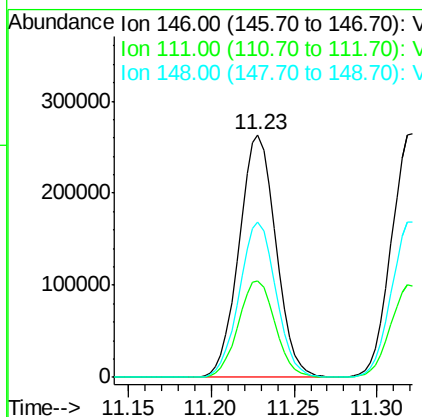
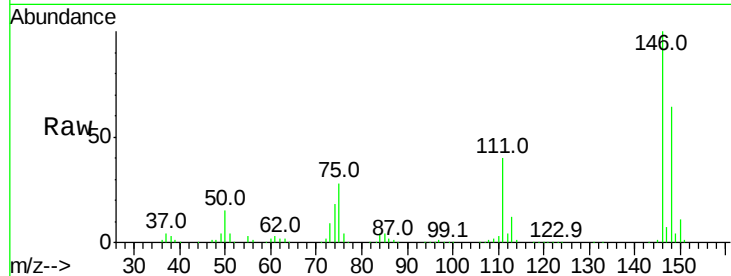




#63
 1,3-Dichlorobenzene
 Concen: 51.048 ug/L
 RT: 11.23 min Scan# 3153
 Delta R.T. -0.00 min
 Lab File: VV009194.D
 Acq: 08 Jan 2019 14:24

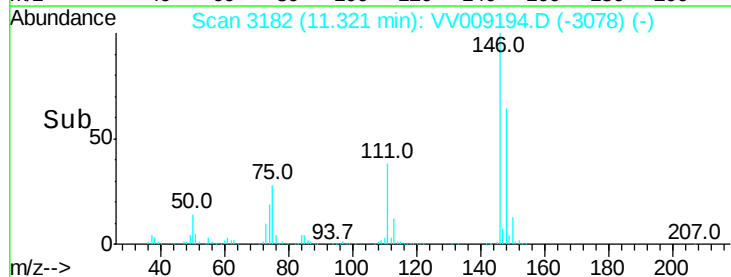
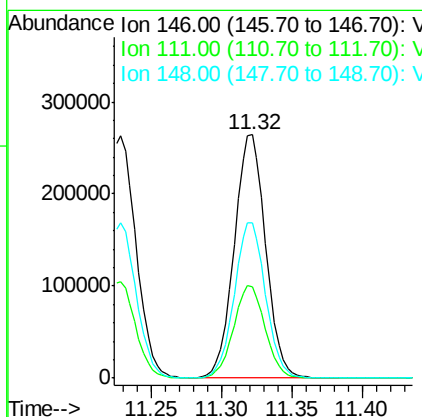
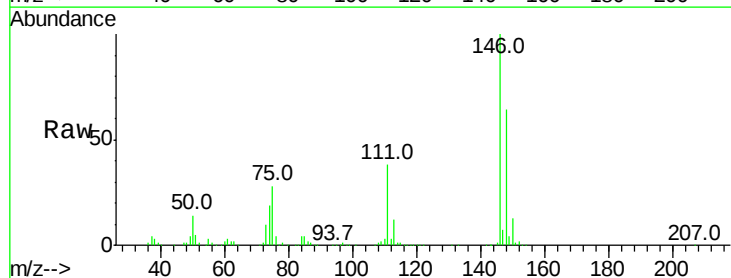
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05080

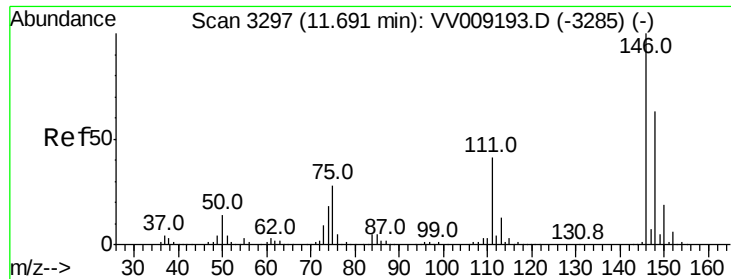
Tgt Ion:146 Resp: 408064
 Ion Ratio Lower Upper
 146 100
 111 40.0 27.2 50.6
 148 64.2 43.8 81.4



#64
 1,4-Dichlorobenzene
 Concen: 49.486 ug/L
 RT: 11.32 min Scan# 3182
 Delta R.T. 0.00 min
 Lab File: VV009194.D
 Acq: 08 Jan 2019 14:24

Tgt Ion:146 Resp: 412343
 Ion Ratio Lower Upper
 146 100
 111 37.5 26.4 49.0
 148 64.0 44.9 83.3





#65

1,2-Dichlorobenzene

Concen: 50.830 ug/L

RT: 11.69 min Scan# 3297

Delta R.T. -0.00 min

Lab File: VV009194.D

Acq: 08 Jan 2019 14:24

Instrument :

MSVOA_V

ClientSampleId :

VSTD05080

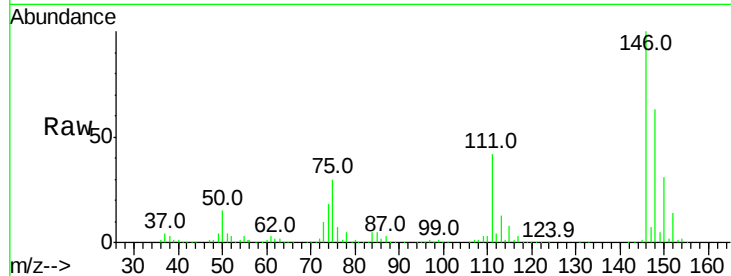
Tgt Ion:146 Resp: 387044

Ion Ratio Lower Upper

146 100

111 41.8 33.0 49.4

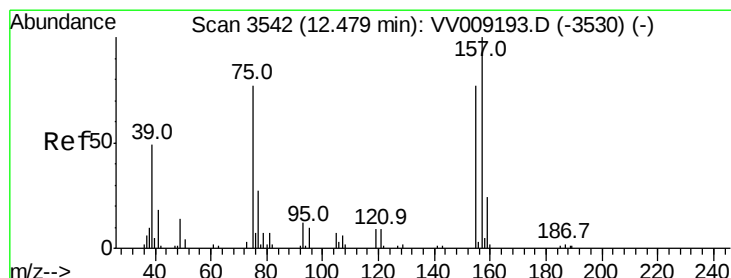
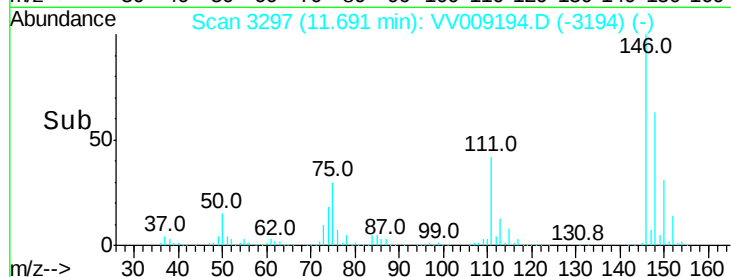
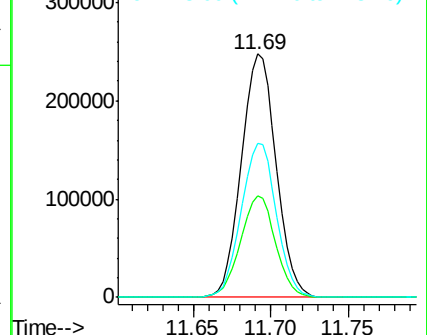
148 63.5 50.1 75.1



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: 44.983 ug/L

RT: 12.48 min Scan# 3542

Delta R.T. -0.00 min

Lab File: VV009194.D

Acq: 08 Jan 2019 14:24

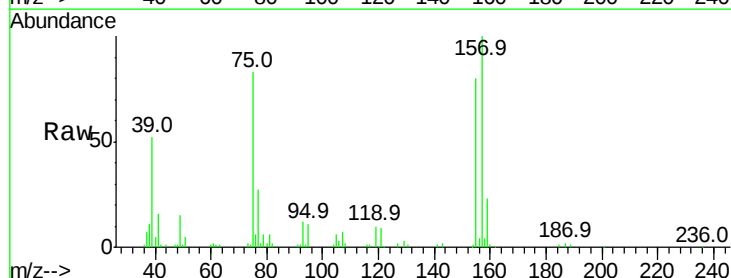
Tgt Ion: 75 Resp: 35560

Ion Ratio Lower Upper

75 100

157 119.9 104.6 156.8

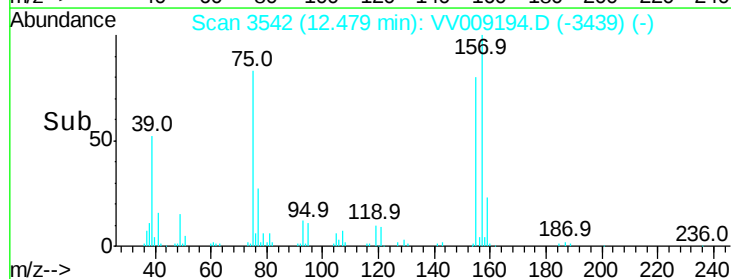
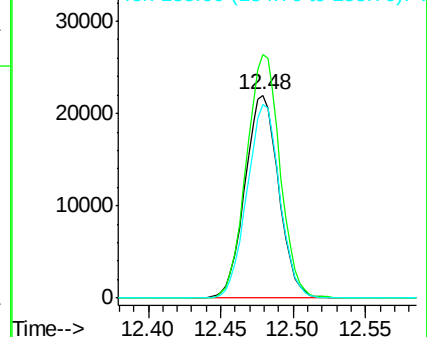
155 95.4 80.1 120.1

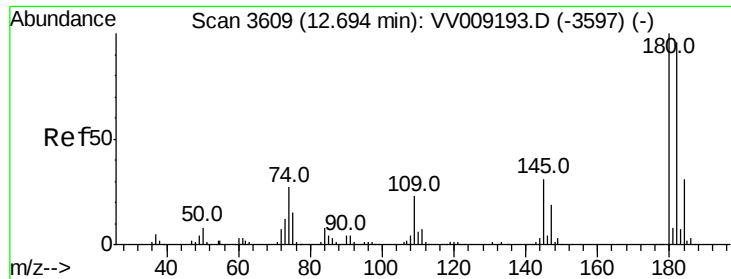


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

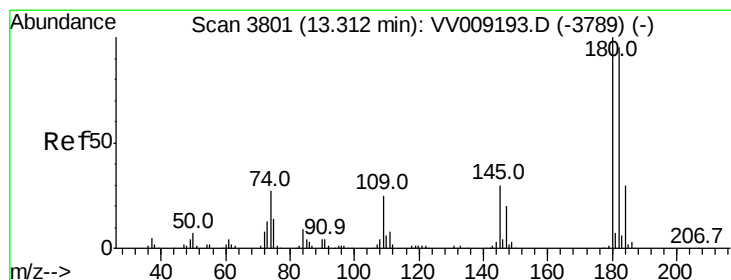
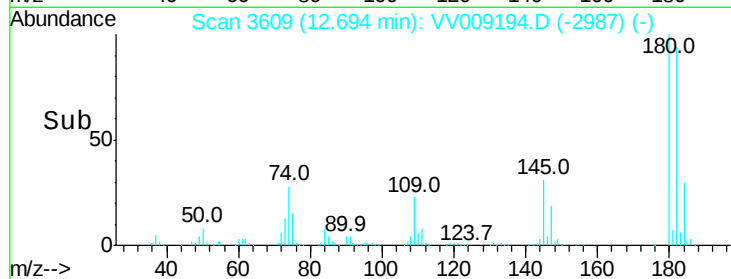
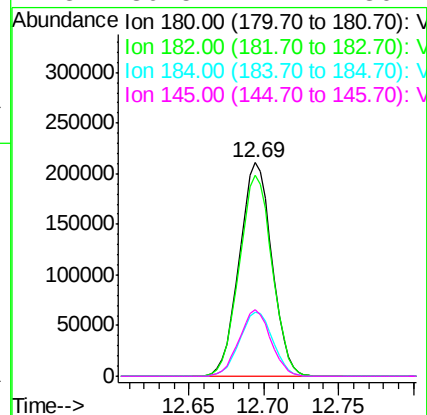
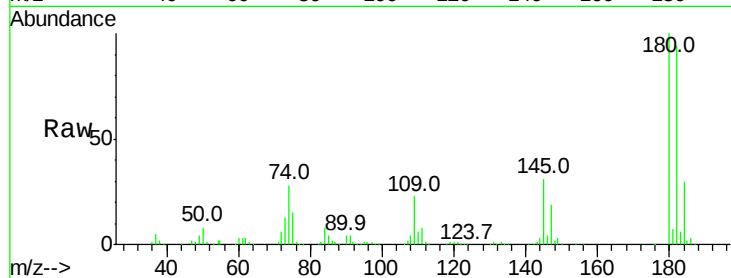




#67
 1,3,5-Trichlorobenzene
 Concen: 49.627 ug/L
 RT: 12.69 min Scan# 3609
 Delta R.T. -0.00 min
 Lab File: VV009194.D
 Acq: 08 Jan 2019 14:24

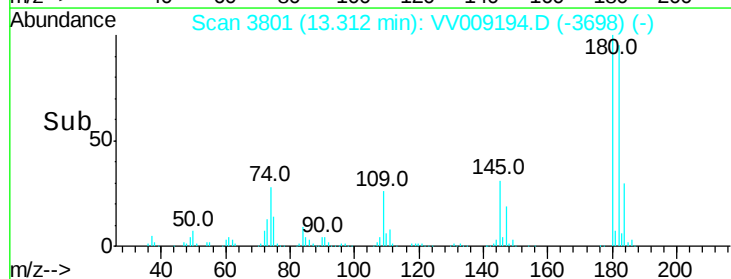
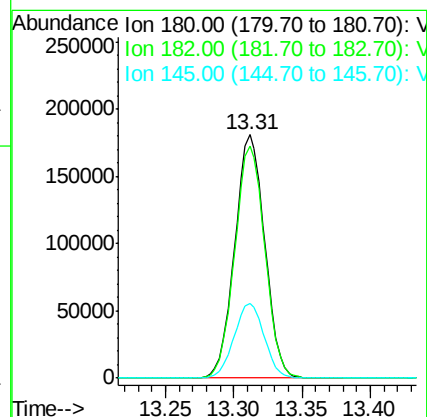
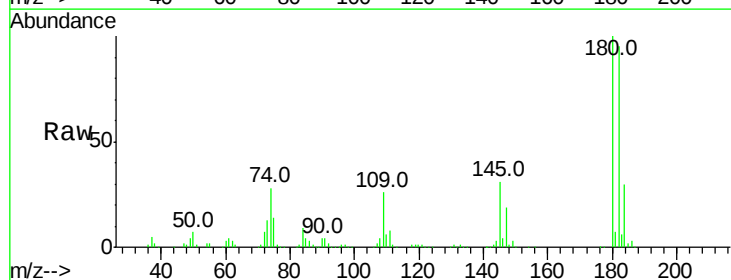
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05080

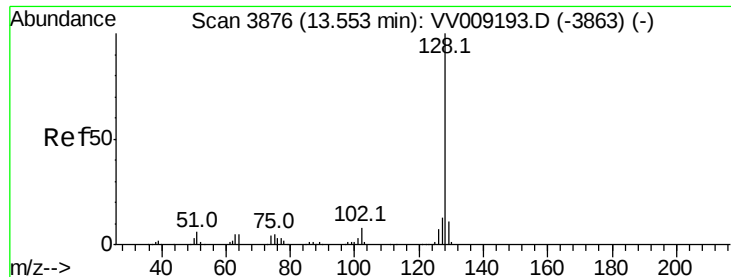
Tgt Ion:	180	Resp:	319936
Ion	Ratio	Lower	Upper
180	100		
182	94.9	76.4	114.6
184	30.6	24.5	36.7
145	30.5	24.2	36.2



#68
 1,2,4-trichlorobenzene
 Concen: 52.629 ug/L
 RT: 13.31 min Scan# 3801
 Delta R.T. -0.00 min
 Lab File: VV009194.D
 Acq: 08 Jan 2019 14:24

Tgt Ion:	180	Resp:	276168
Ion	Ratio	Lower	Upper
180	100		
182	95.7	75.7	113.5
145	31.1	24.5	36.7





#69

Naphthalene

Concen: 52.920 ug/L

RT: 13.55 min Scan# 3876

Delta R.T. -0.00 min

Lab File: VV009194.D

Acq: 08 Jan 2019 14:24

Instrument :

MSVOA_V

ClientSampleId :

VSTD05080

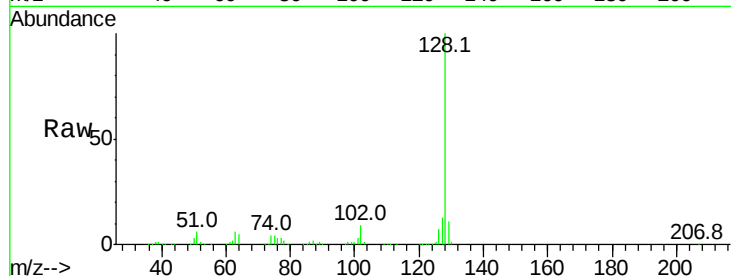
Tgt Ion:128 Resp: 565618

Ion Ratio Lower Upper

128 100

129 10.9 8.7 13.1

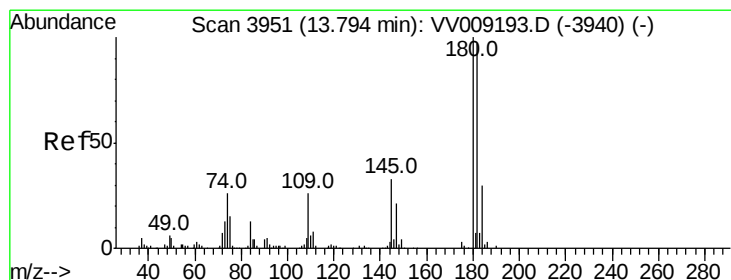
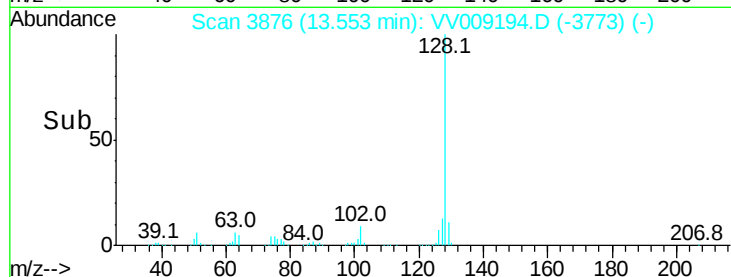
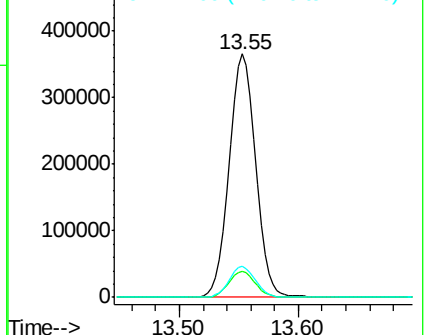
127 12.7 10.6 15.8



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: 51.817 ug/L

RT: 13.79 min Scan# 3951

Delta R.T. -0.00 min

Lab File: VV009194.D

Acq: 08 Jan 2019 14:24

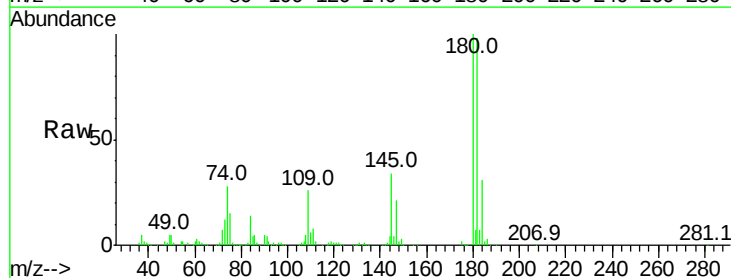
Tgt Ion:180 Resp: 249533

Ion Ratio Lower Upper

180 100

182 95.6 76.8 115.2

145 33.4 25.7 38.5



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

