

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV082518\
 Data File : VV007195.D
 Acq On : 25 Aug 2018 11:08
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0 mL/MSVOA V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Aug 27 01:20:46 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM082418WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Aug 25 00:12:31 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	724377	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	724906	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	365733	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	234358	46.06	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	92.12%
7) Chloroethane-d5	1.58	69	197465	47.86	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	95.72%
11) 1,1-Dichloroethene-d2	2.13	63	435155	49.16	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.32%
21) 2-Butanone-d5	3.96	46	348579	91.93	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	91.93%
24) Chloroform-d	4.40	84	494624	50.08	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.16%
26) 1,2-Dichloroethane-d4	5.09	65	300974	50.39	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.78%
32) Benzene-d6	5.10	84	999077	48.51	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.02%
36) 1,2-Dichloropropane-d6	6.12	67	318543	47.14	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.28%
41) Toluene-d8	7.36	98	927508	51.16	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.32%
43) trans-1,3-Dichloropropene-	7.67	79	139952	47.39	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.78%
47) 2-Hexanone-d5	8.14	63	196849	92.32	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	92.32%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	448539	49.82	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	99.64%
64) 1,2-Dichlorobenzene-d4	11.68	152	356948	46.76	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.52%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	313557	54.117 ug/L	98
3) Chloromethane	1.25	50	339607	48.594 ug/L	100
5) Vinyl chloride	1.32	62	307404	50.474 ug/L	100
6) Bromomethane	1.54	94	98320	49.829 ug/L	97
8) Chloroethane	1.60	64	186547	51.605 ug/L	98
9) Trichlorofluoromethane	1.77	101	413355	53.417 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	258511	55.091 ug/L	100
12) 1,1-Dichloroethene	2.14	96	235302	52.510 ug/L	99
13) Acetone	2.20	43	358223	127.957 ug/L	94
14) Carbon disulfide	2.32	76	691131	50.328 ug/L	100
15) Methyl Acetate	2.47	43	252158	50.522 ug/L	99
16) Methylene chloride	2.54	84	269060	52.958 ug/L	99
17) trans-1,2-Dichloroethene	2.79	96	249334	51.616 ug/L	99
18) Methyl tert-butyl Ether	2.81	73	741036	51.361 ug/L	99
19) 1,1-Dichloroethane	3.23	63	506913	51.476 ug/L	99
20) cis-1,2-Dichloroethene	3.97	96	276316	48.889 ug/L	98
22) 2-Butanone	4.04	43	468538	107.515 ug/L	99

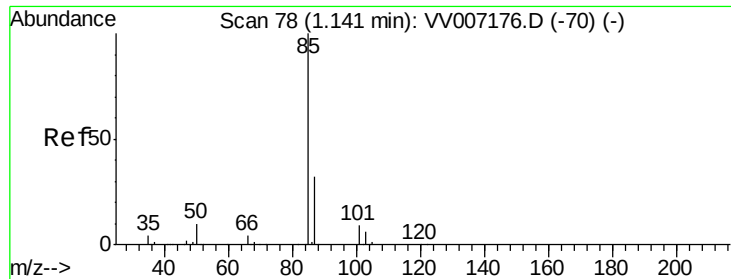
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV082518\
 Data File : VV007195.D
 Acq On : 25 Aug 2018 11:08
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0 mL/MSVOA V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Aug 27 01:20:46 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM082418WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Aug 25 00:12:31 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	149012	51.575	ug/L	97
25) Chloroform	4.43	83	511694	52.945	ug/L	100
27) 1,2-Dichloroethane	5.19	62	374447	52.382	ug/L	100
29) Cyclohexane	4.73	56	401728	48.826	ug/L	100
30) 1,1,1-Trichloroethane	4.66	97	426781	51.356	ug/L	100
31) Carbon tetrachloride	4.88	117	371459	52.056	ug/L	100
33) Benzene	5.15	78	1153166	51.359	ug/L	100
34) Trichloroethene	5.96	95	275352	50.432	ug/L	97
35) Methylcyclohexane	6.18	83	451626	52.015	ug/L	98
37) 1,2-Dichloropropane	6.22	63	306084	51.244	ug/L	98
38) Bromodichloromethane	6.56	83	369760	50.904	ug/L	99
39) cis-1,3-Dichloropropene	7.08	75	417123	50.104	ug/L	99
40) 4-Methyl-2-pentanone	7.29	43	700892	100.082	ug/L	97
42) Toluene	7.43	91	1190291	54.686	ug/L	100
44) trans-1,3-Dichloropropene	7.70	75	392870	50.787	ug/L	98
45) 1,1,2-Trichloroethane	7.89	97	282628	51.095	ug/L	99
46) Tetrachloroethene	8.02	164	237646	52.781	ug/L	98
48) 2-Hexanone	8.19	43	624689	113.930	ug/L	99
49) Dibromochloromethane	8.30	129	297094	52.366	ug/L	99
50) 1,2-Dibromoethane	8.40	107	282539	50.839	ug/L	96
51) Chlorobenzene	8.93	112	754270	51.249	ug/L	99
52) Ethylbenzene	9.06	91	1210096	53.536	ug/L	100
53) m,p-Xylene	9.19	106	483005	56.278	ug/L	98
54) o-xylene	9.59	106	443227	53.656	ug/L	99
55) Styrene	9.61	104	816837	57.627	ug/L	97
56) Isopropylbenzene	9.98	105	1172103	55.473	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.29	83	461960	50.863	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	369782	50.637	ug/L	99
61) Bromoform	9.78	173	218194	49.391	ug/L	100
62) 1,3-Dichlorobenzene	11.23	146	547486	49.129	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	607683	50.681	ug/L	99
65) 1,2-Dichlorobenzene	11.70	146	612947	51.274	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.48	75	79864	47.289	ug/L	96
67) 1,3,5-Trichlorobenzene	12.70	180	436849	53.734	ug/L	99
68) 1,2,4-trichlorobenzene	13.32	180	332766	54.883	ug/L	98
69) Naphthalene	13.56	128	759829	46.065	ug/L	99
70) 1,2,3-Trichlorobenzene	13.80	180	372970	57.321	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 54.117 ug/L

RT: 1.14 min Scan# 78

Delta R.T. 0.00 min

Lab File: VV007195.D

Acq: 25 Aug 2018 11:08

Instrument :

MSVOA_V

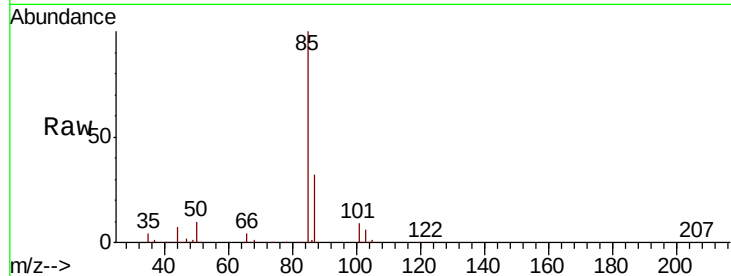
ClientSampleId :

Tot Ion: 85 Resp: 313557

Ion Ratio Lower Upper

85 100

87 31.6 26.1 39.1



Abundance Ion 85.00 (84.70 to 85.70): VV007176.D (-70) (-)

Ion 87.00 (86.70 to 87.70): VV007195.D (-1) (-)

1.14

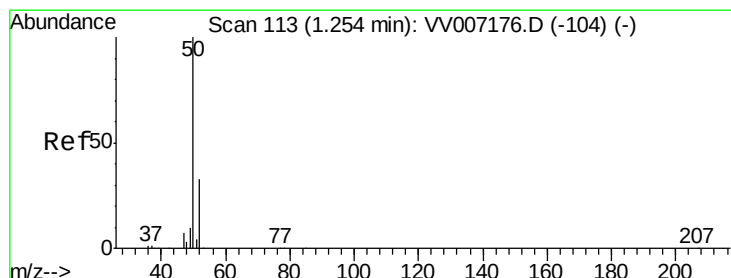
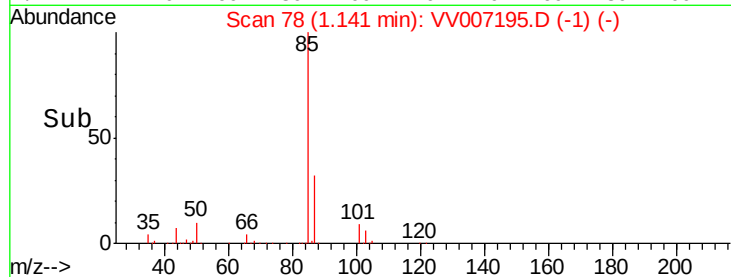
300000

200000

100000

0

Time-->



#3

Chloromethane

Concen: 48.594 ug/L

RT: 1.25 min Scan# 113

Delta R.T. 0.00 min

Lab File: VV007195.D

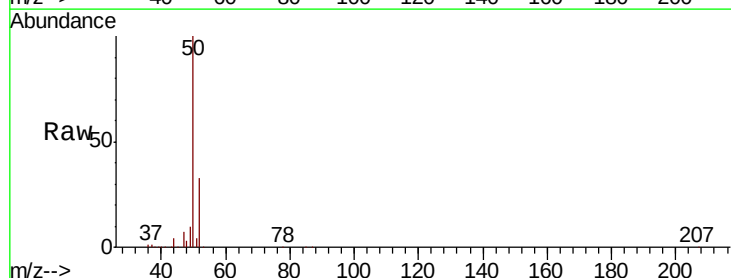
Acq: 25 Aug 2018 11:08

Tgt Ion: 50 Resp: 339607

Ion Ratio Lower Upper

50 100

52 32.6 23.0 42.8



Abundance Ion 50.00 (49.70 to 50.70): VV007176.D (-104) (-)

Ion 52.00 (51.70 to 52.70): VV007195.D (-20) (-)

1.25

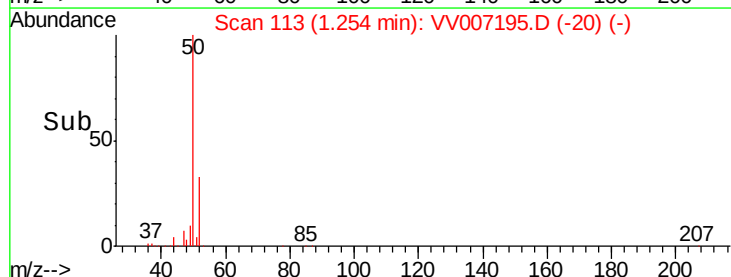
300000

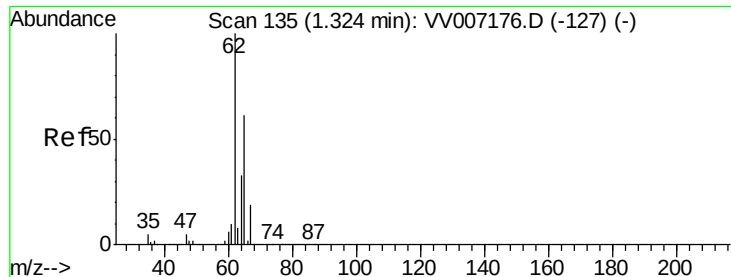
200000

100000

0

Time-->





#5

Vinyl chloride

Concen: 50.474 ug/L

RT: 1.32 min Scan# 135

Delta R.T. 0.00 min

Lab File: VV007195.D

Acq: 25 Aug 2018 11:08

Instrument :

MSVOA_V

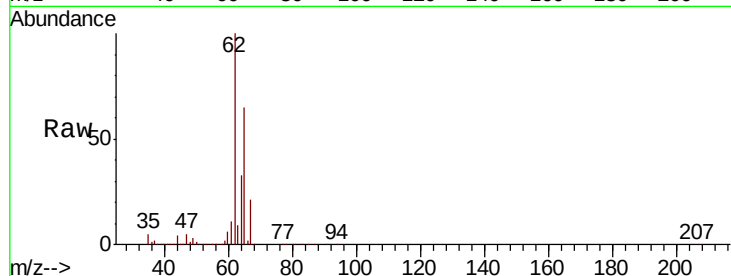
ClientSampleId :

Tot Ion: 62 Resp: 307404

Ion Ratio Lower Upper

62 100

64 32.9 22.9 42.5



Abundance Ion 62.00 (61.70 to 62.70): VV007176.D (-127) (-)

Ion 64.00 (63.70 to 64.70): VV007195.D (-42) (-)

1.32

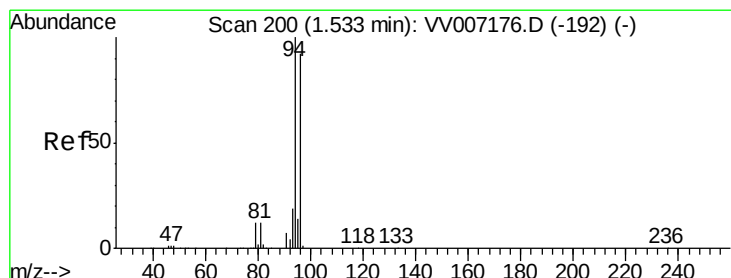
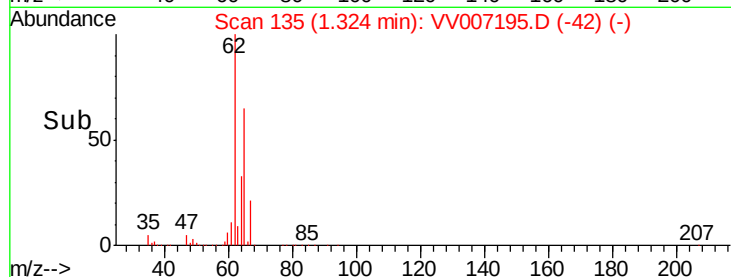
300000

200000

100000

0

Time-->



#6

Bromomethane

Concen: 49.829 ug/L

RT: 1.54 min Scan# 201

Delta R.T. 0.00 min

Lab File: VV007195.D

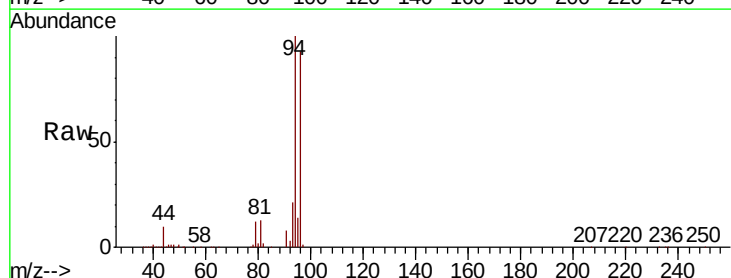
Acq: 25 Aug 2018 11:08

Tgt Ion: 94 Resp: 98320

Ion Ratio Lower Upper

94 100

96 92.7 66.7 123.9



Abundance Ion 94.00 (93.70 to 94.70): VV007176.D (-192) (-)

Ion 96.00 (95.70 to 96.70): VV007195.D (-107) (-)

1.54

100000

80000

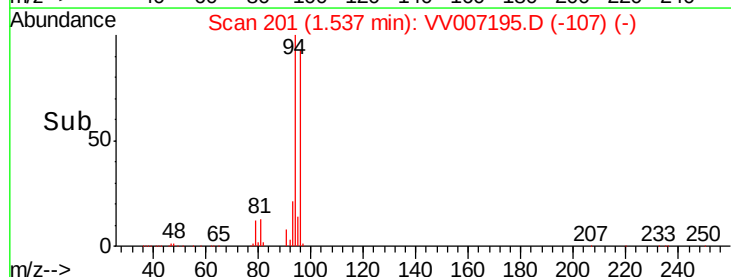
60000

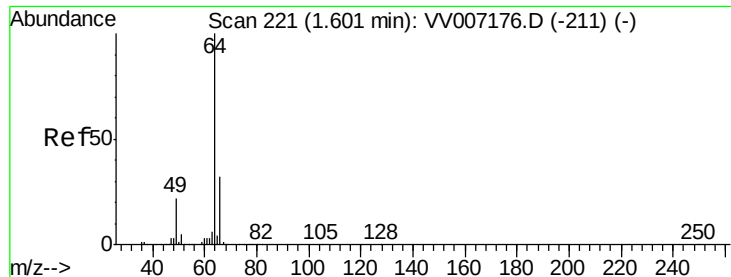
40000

20000

0

Time-->





#8

Chloroethane

Concen: 51.605 ug/L

RT: 1.60 min Scan# 221

Delta R.T. 0.00 min

Lab File: VV007195.D

Acq: 25 Aug 2018 11:08

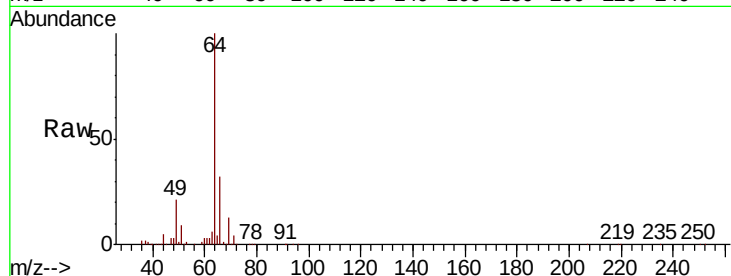
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 64 Resp: 186547

Ion Ratio Lower Upper

64 100

66 32.4 21.8 40.4



Abundance Ion 64.00 (63.70 to 64.70): VV007176.D (-211) (-)

Ion 66.00 (65.70 to 66.70): VV007176.D (-211) (-)

1.60

150000

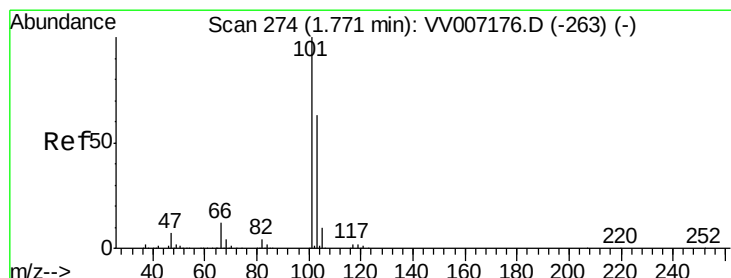
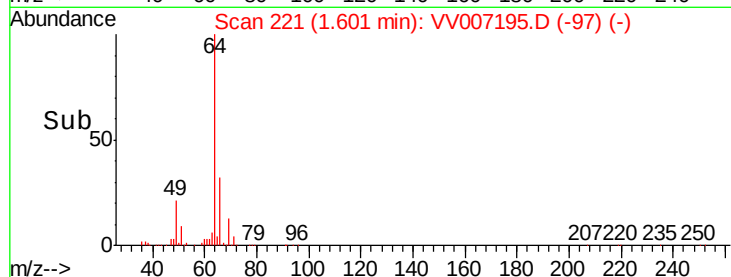
100000

50000

0

1.55 1.60 1.65 1.70

Time-->



#9

Trichlorofluoromethane

Concen: 53.417 ug/L

RT: 1.77 min Scan# 274

Delta R.T. 0.00 min

Lab File: VV007195.D

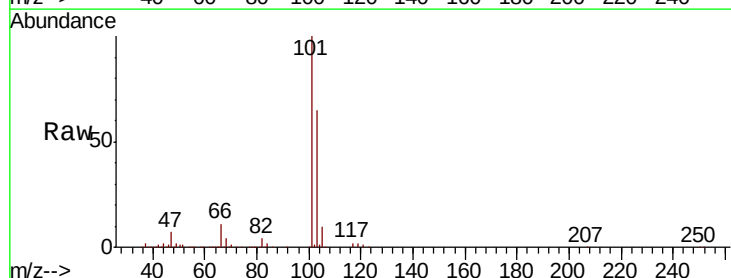
Acq: 25 Aug 2018 11:08

Tgt Ion:101 Resp: 413355

Ion Ratio Lower Upper

101 100

103 64.9 51.2 76.8



Abundance Ion 101.00 (100.70 to 101.70): VV007176.D (-263) (-)

Ion 103.00 (102.70 to 103.70): VV007176.D (-263) (-)

1.77

300000

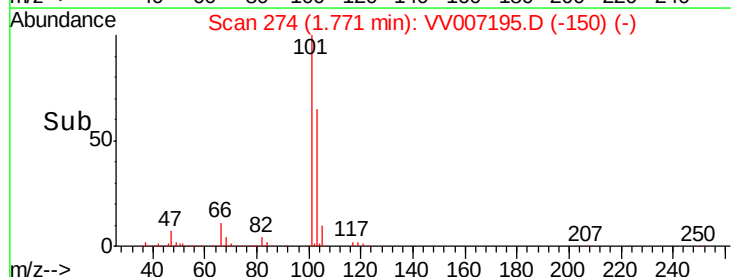
200000

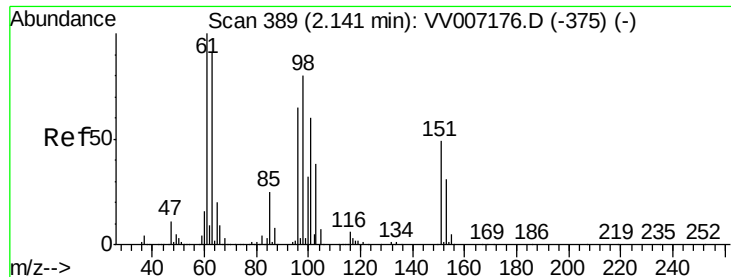
100000

0

1.70 1.75 1.80 1.85

Time-->





#10

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

Concen: 55.091 ug/L

RT: 2.14 min Scan# 390

Delta R.T. 0.00 min

Lab File: VV007195.D

Acq: 25 Aug 2018 11:08

Instrument :

MSVOA_V

ClientSampleId :

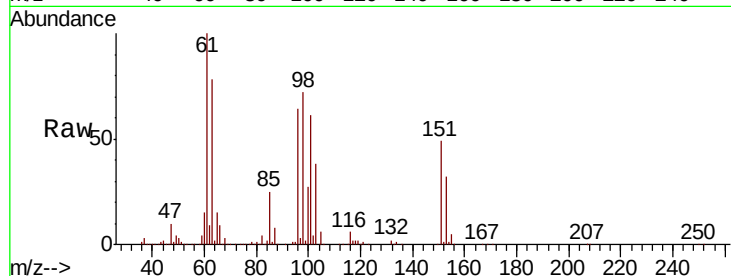
Tot Ion:101 Resp: 258511

Ion Ratio Lower Upper

101 100

85 40.1 31.8 47.8

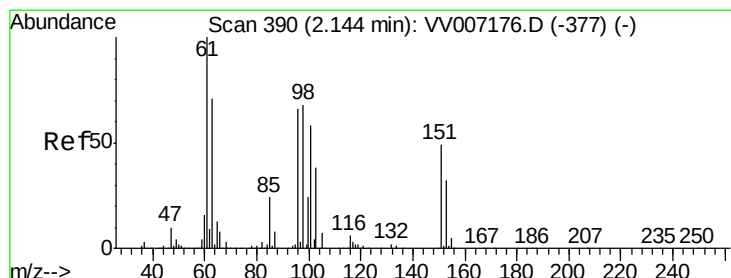
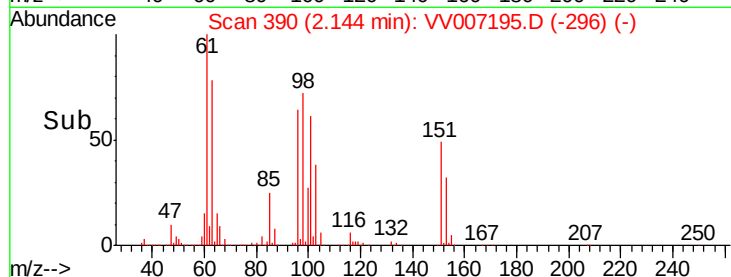
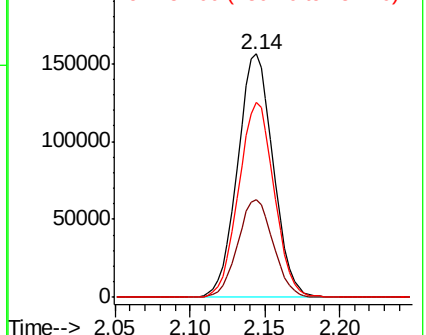
151 80.0 64.0 96.0



Abundance Ion 101.00 (100.70 to 101.70): VV007195.D (-296) (-)

Ion 85.00 (84.70 to 85.70): VV007195.D (-296) (-)

Ion 151.00 (150.70 to 151.70): VV007195.D (-296) (-)



#12

1,1-Dichloroethene

Concen: 52.510 ug/L

RT: 2.14 min Scan# 390

Delta R.T. 0.00 min

Lab File: VV007195.D

Acq: 25 Aug 2018 11:08

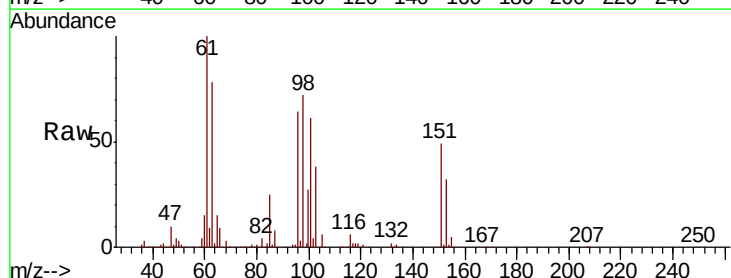
Tgt Ion: 96 Resp: 235302

Ion Ratio Lower Upper

96 100

61 156.0 108.5 201.5

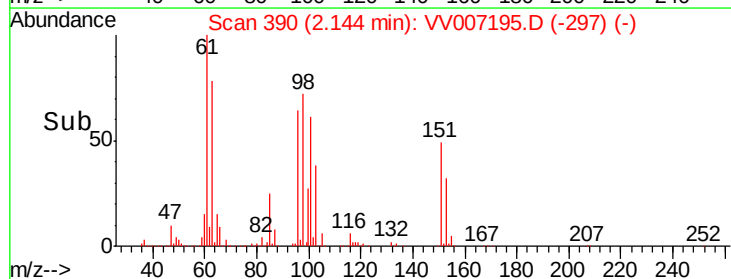
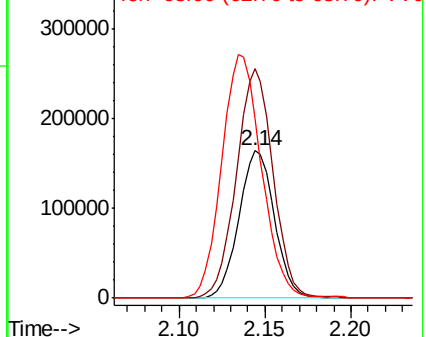
63 121.9 84.9 157.7

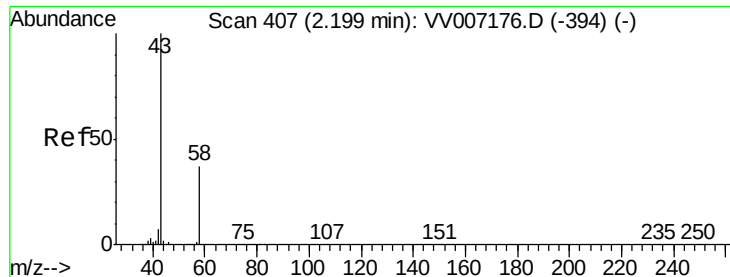


Abundance Ion 96.00 (95.70 to 96.70): VV007195.D (-297) (-)

Ion 61.00 (60.70 to 61.70): VV007195.D (-297) (-)

Ion 63.00 (62.70 to 63.70): VV007195.D (-297) (-)

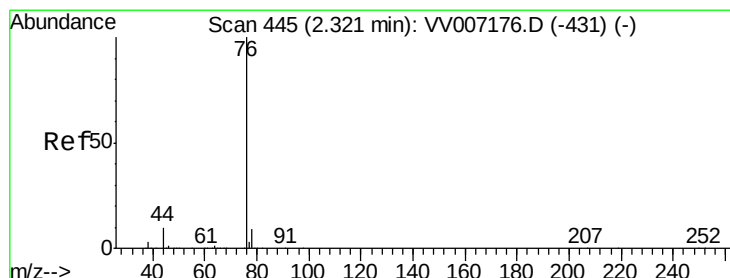
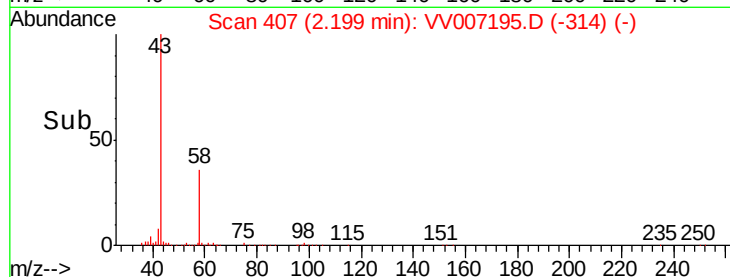
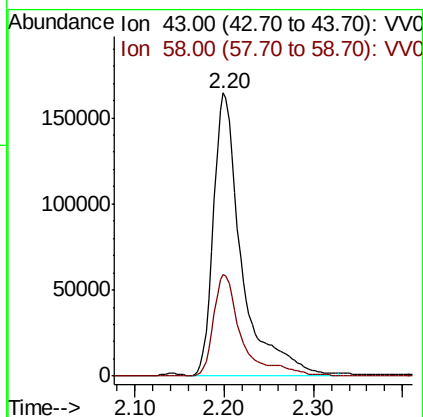
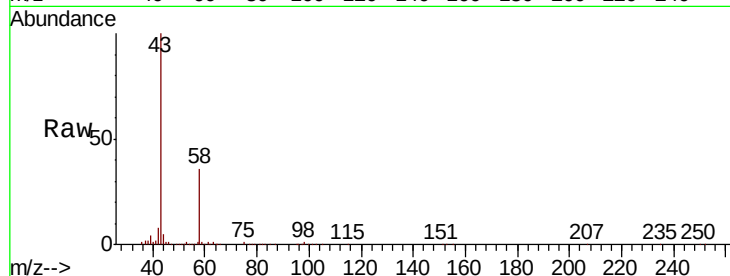




#13
Acetone
Concen: 127.957 ug/L
RT: 2.20 min Scan# 407
Delta R.T. 0.00 min
Lab File: VV007195.D
Acq: 25 Aug 2018 11:08

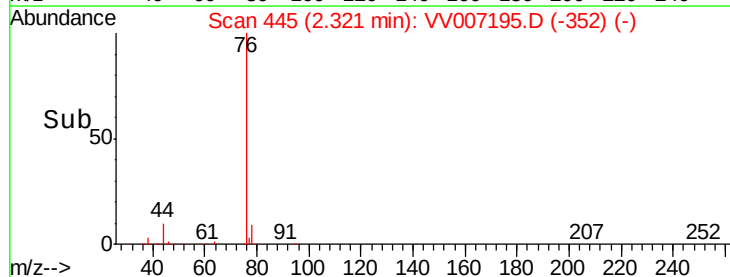
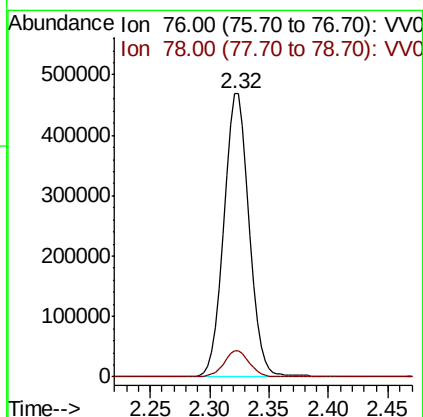
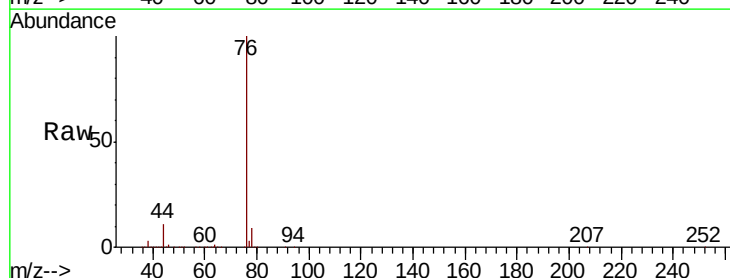
Instrument :
MSVOA_V
ClientSampleId :

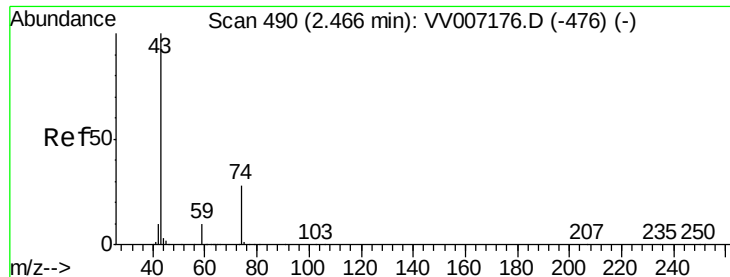
Tot Ion: 43 Resp: 358223
Ion Ratio Lower Upper
43 100
58 32.5 0.0 72.0



#14
Carbon disulfide
Concen: 50.328 ug/L
RT: 2.32 min Scan# 445
Delta R.T. 0.00 min
Lab File: VV007195.D
Acq: 25 Aug 2018 11:08

Tgt Ion: 76 Resp: 691131
Ion Ratio Lower Upper
76 100
78 9.4 7.4 11.0

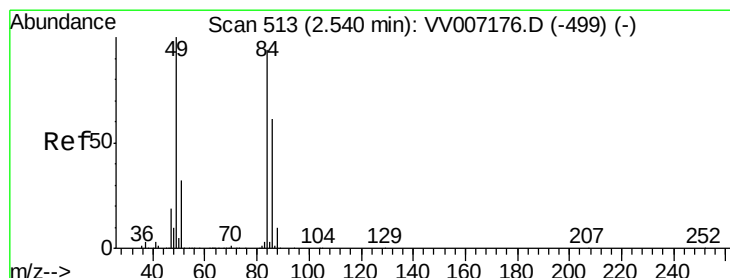
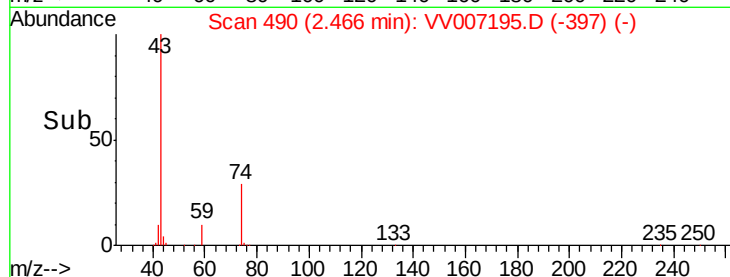
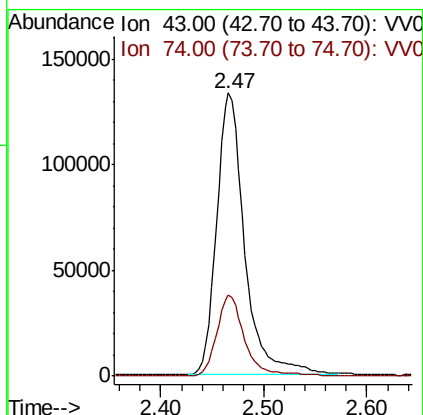
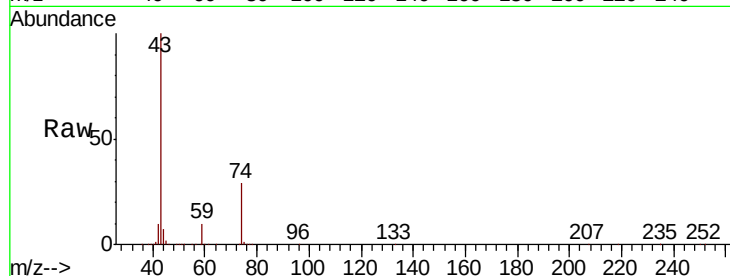




#15
Methvl Acetate
Concen: 50.522 ug/L
RT: 2.47 min Scan# 490
Delta R.T. 0.00 min
Lab File: VV007195.D
Acq: 25 Aug 2018 11:08

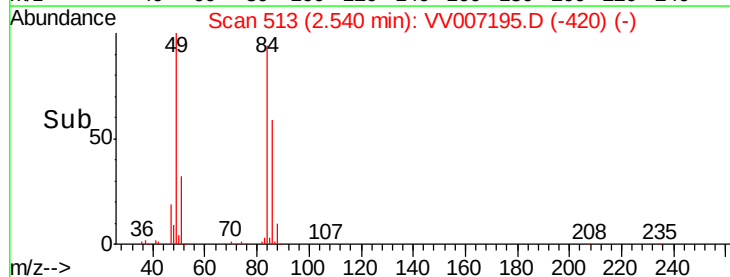
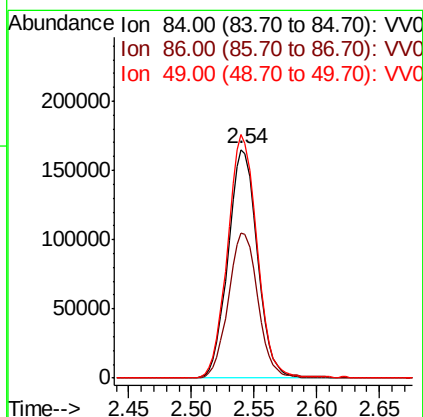
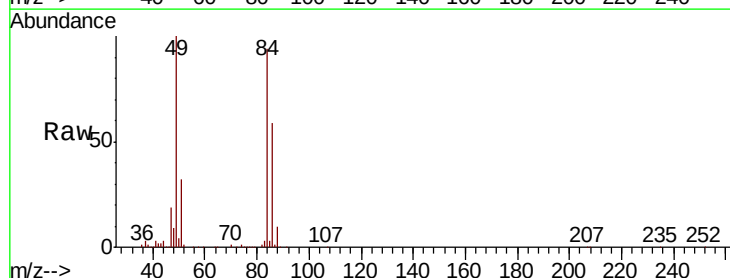
Instrument :
MSVOA_V
ClientSampleId :

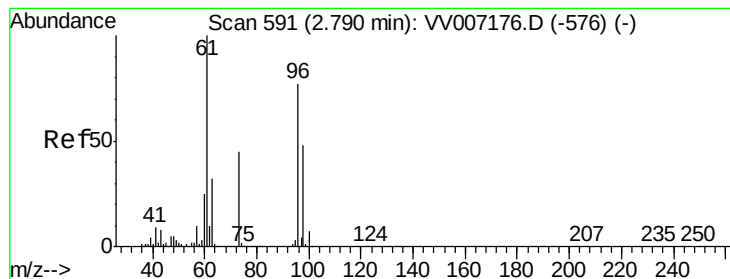
Tot Ion: 43 Resp: 252158
Ion Ratio Lower Upper
43 100
74 28.7 22.6 33.8



#16
Methylene chloride
Concen: 52.958 ug/L
RT: 2.54 min Scan# 513
Delta R.T. 0.00 min
Lab File: VV007195.D
Acq: 25 Aug 2018 11:08

Tgt Ion: 84 Resp: 269060
Ion Ratio Lower Upper
84 100
86 63.3 44.9 83.3
49 106.6 74.5 138.3





#17

trans-1,2-Dichloroethene

Concen: 51.616 ug/L

RT: 2.79 min Scan# 592

Delta R.T. 0.00 min

Lab File: VV007195.D

Acq: 25 Aug 2018 11:08

Instrument :
MSVOA_V
ClientSampled :

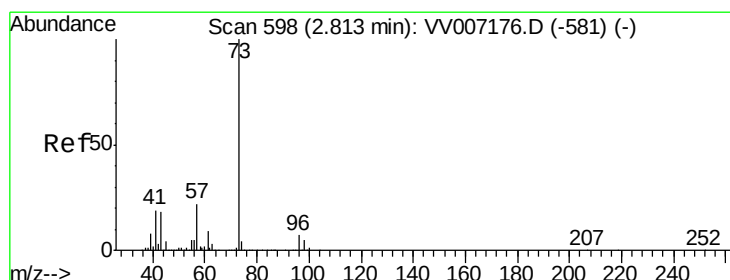
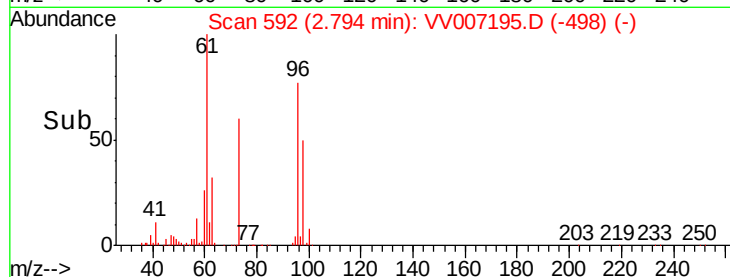
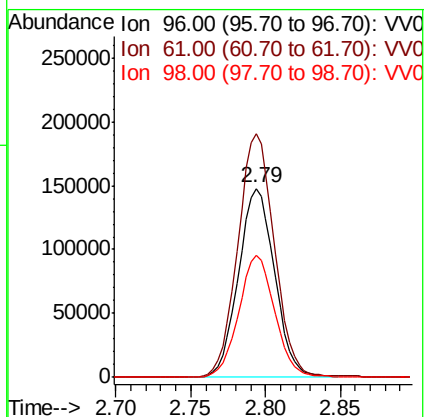
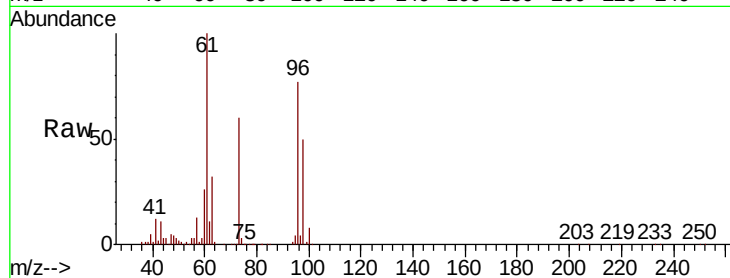
Tot Ion: 96 Resp: 249334

Ion Ratio Lower Upper

96 100

61 129.0 90.6 168.2

98 64.7 43.8 81.3



#18

Methyl tert-butyl Ether

Concen: 51.361 ug/L

RT: 2.81 min Scan# 598

Delta R.T. 0.00 min

Lab File: VV007195.D

Acq: 25 Aug 2018 11:08

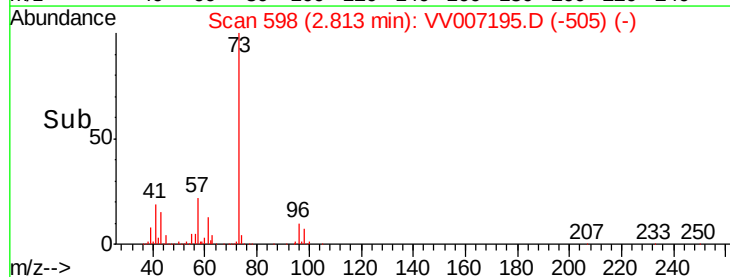
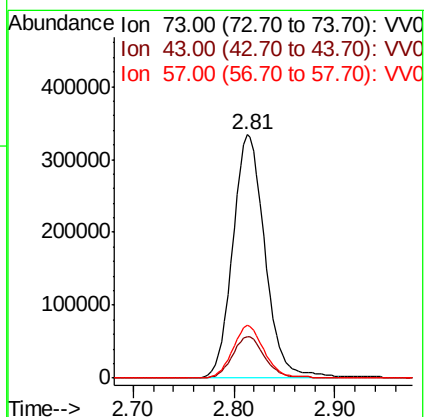
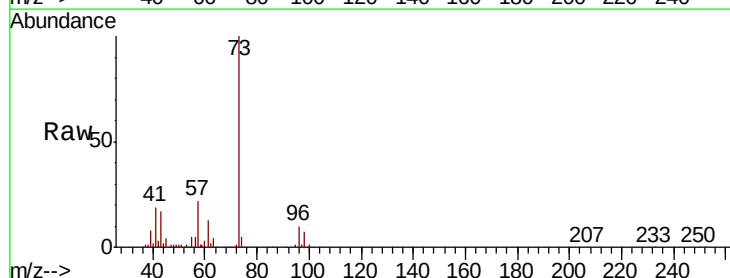
Tgt Ion: 73 Resp: 741036

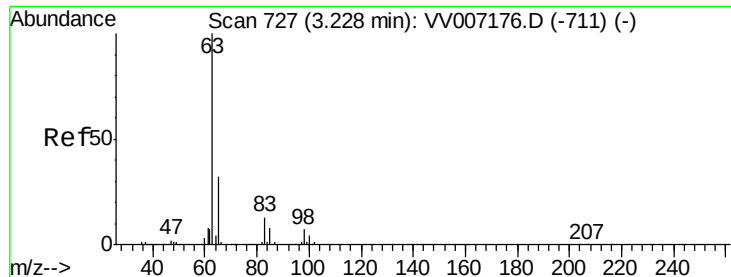
Ion Ratio Lower Upper

73 100

43 16.6 13.7 20.5

57 21.2 16.8 25.2





#19

1,1-Dichloroethane

Concen: 51.476 ug/L

RT: 3.23 min Scan# 728

Delta R.T. 0.00 min

Lab File: VV007195.D

Acq: 25 Aug 2018 11:08

Instrument :

MSVOA_V

ClientSampleId :

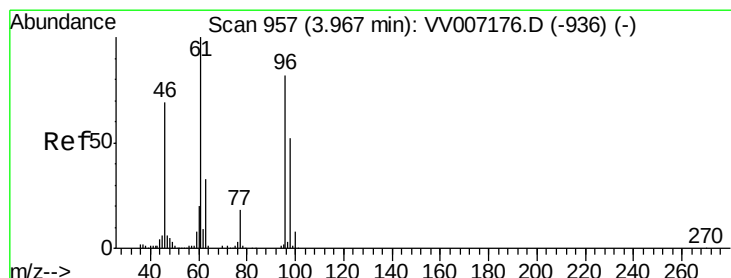
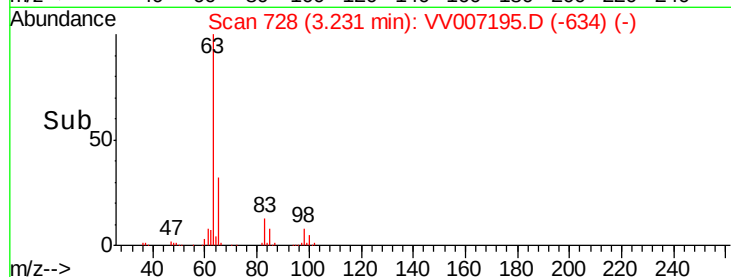
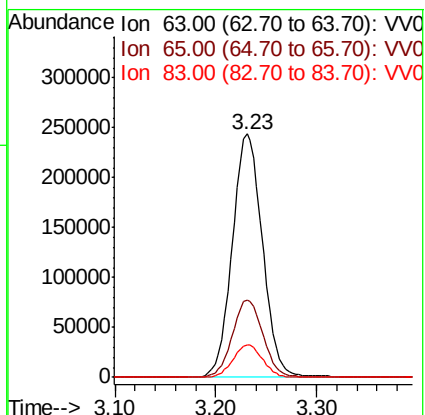
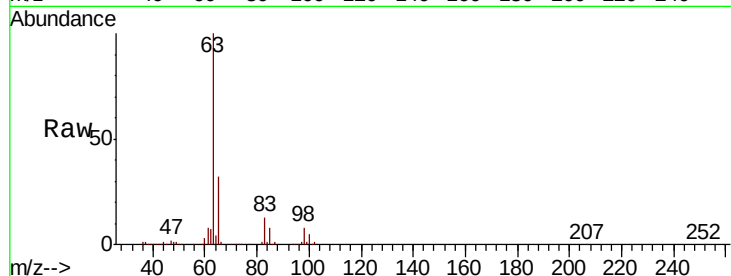
Tot Ion: 63 Resp: 506913

Ion Ratio Lower Upper

63 100

65 31.7 21.8 40.4

83 13.4 9.1 16.9



#20

cis-1,2-Dichloroethene

Concen: 48.889 ug/L

RT: 3.97 min Scan# 957

Delta R.T. 0.00 min

Lab File: VV007195.D

Acq: 25 Aug 2018 11:08

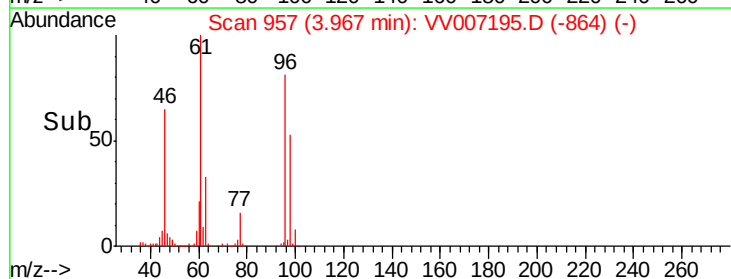
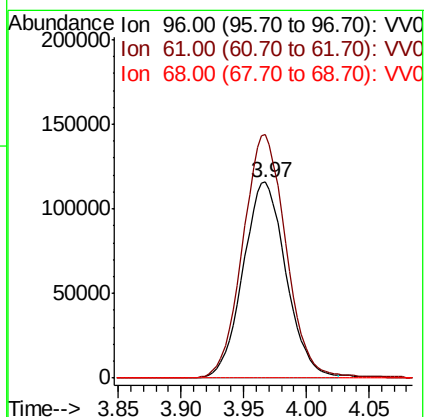
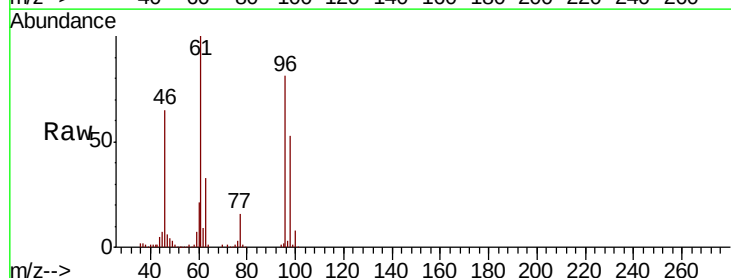
Tgt Ion: 96 Resp: 276316

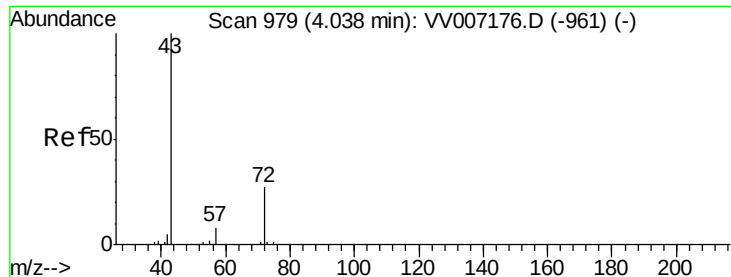
Ion Ratio Lower Upper

96 100

61 124.2 88.2 163.8

68 0.0 0.0 0.0





#22

2-Butanone

Concen: 107.515 ug/L

RT: 4.04 min Scan# 980

Delta R.T. 0.00 min

Lab File: VV007195.D

Acq: 25 Aug 2018 11:08

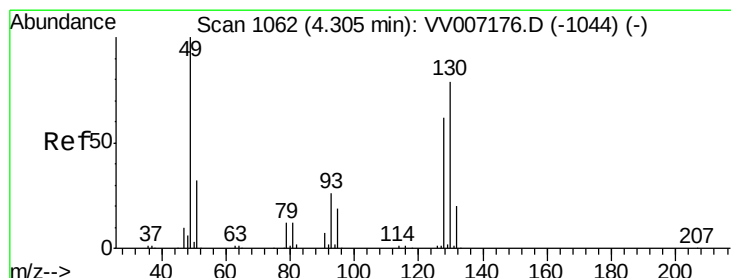
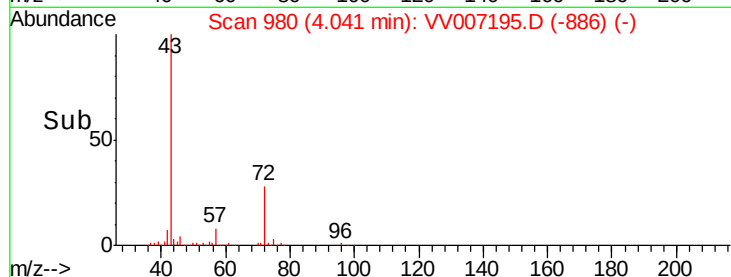
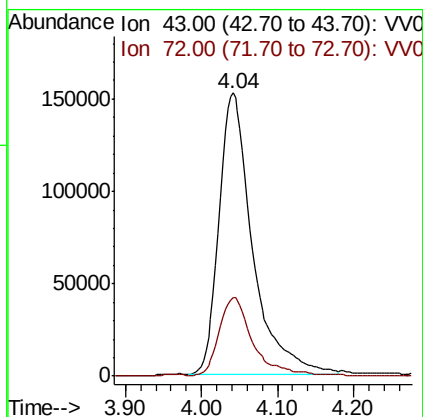
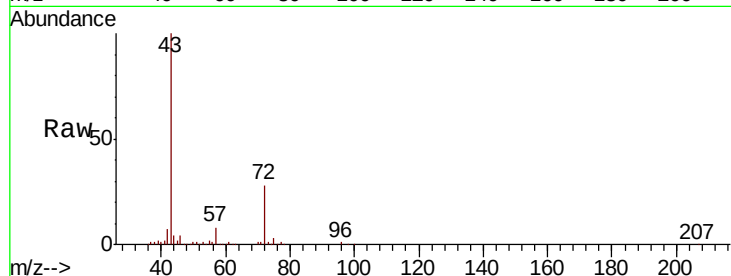
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 468538

Ion Ratio Lower Upper

43 100

72 27.4 13.4 40.1



#23

Bromochloromethane

Concen: 51.575 ug/L

RT: 4.30 min Scan# 1062

Delta R.T. 0.00 min

Lab File: VV007195.D

Acq: 25 Aug 2018 11:08

Tgt Ion:128 Resp: 149012

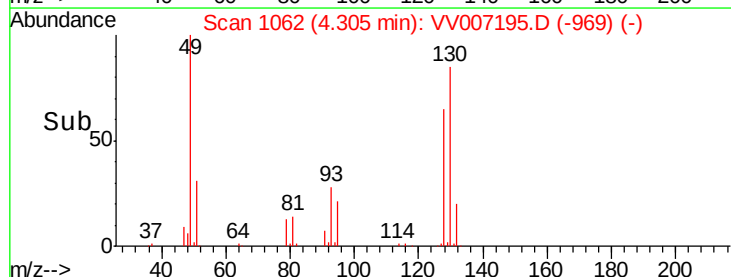
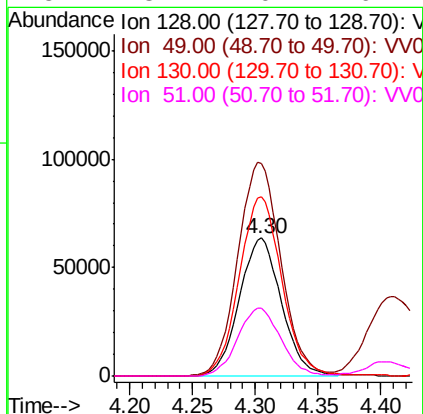
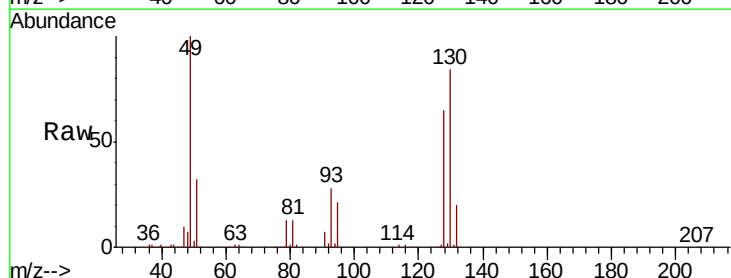
Ion Ratio Lower Upper

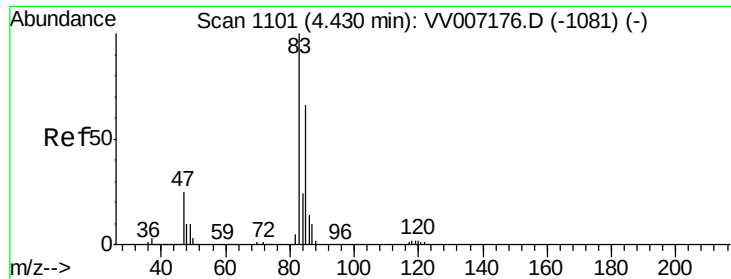
128 100

49 154.3 112.5 208.9

130 130.2 90.6 168.2

51 48.7 40.7 61.1

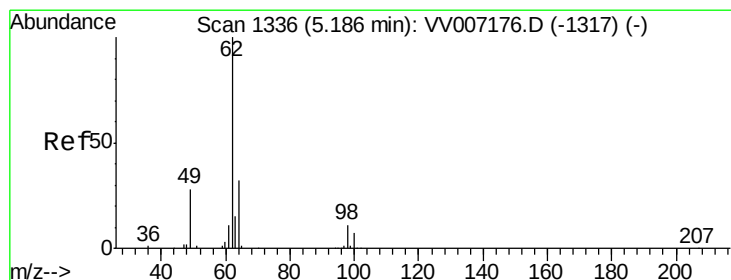
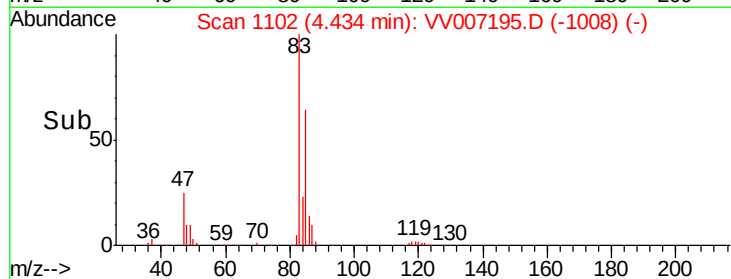
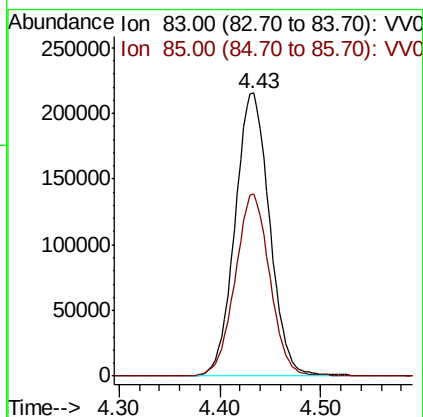
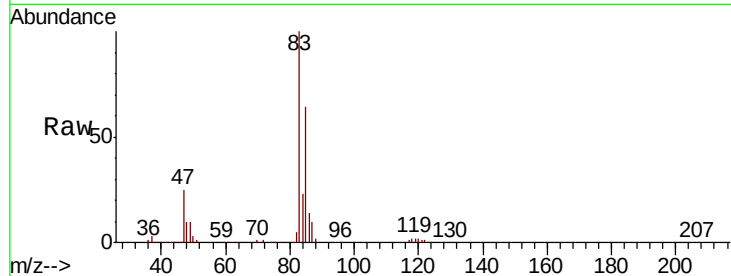




#25
Chloroform
Concen: 52.945 ug/L
RT: 4.43 min Scan# 1102
Delta R.T. 0.00 min
Lab File: VV007195.D
Acq: 25 Aug 2018 11:08

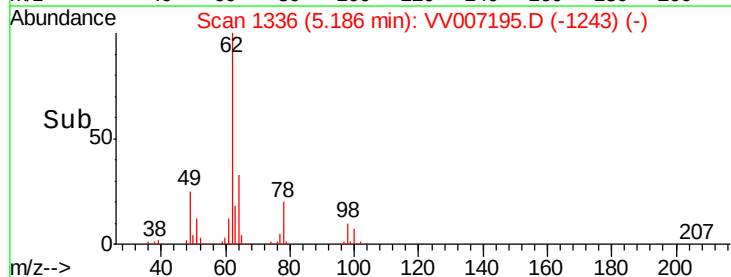
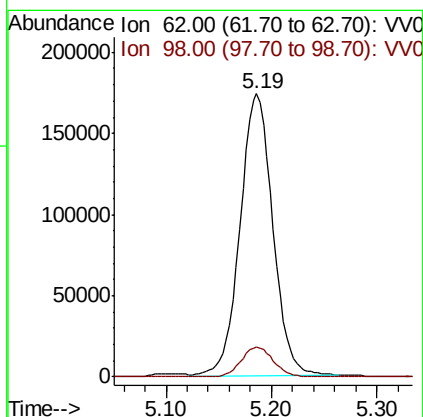
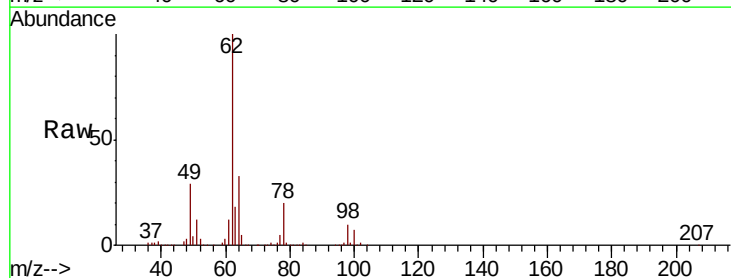
Instrument :
MSVOA_V
ClientSampleId :

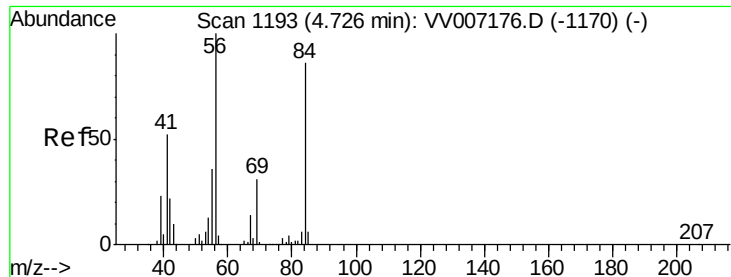
Tot Ion: 83 Resp: 511694
Ion Ratio Lower Upper
83 100
85 64.3 45.2 84.0



#27
1,2-Dichloroethane
Concen: 52.382 ug/L
RT: 5.19 min Scan# 1336
Delta R.T. 0.00 min
Lab File: VV007195.D
Acq: 25 Aug 2018 11:08

Tgt Ion: 62 Resp: 374447
Ion Ratio Lower Upper
62 100
98 10.4 8.3 12.5

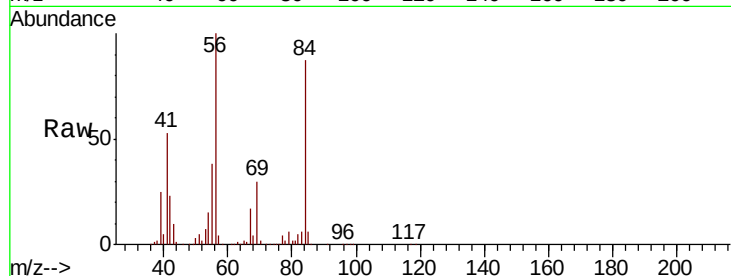




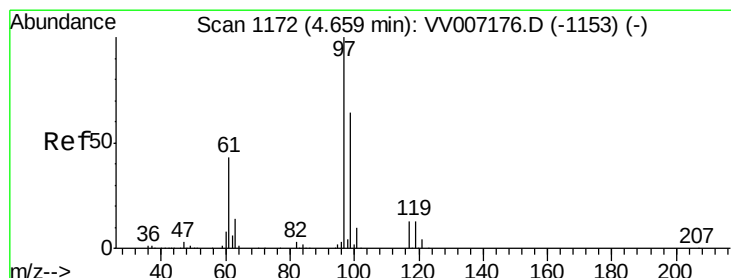
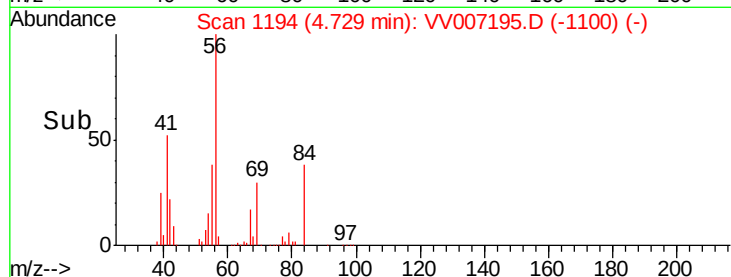
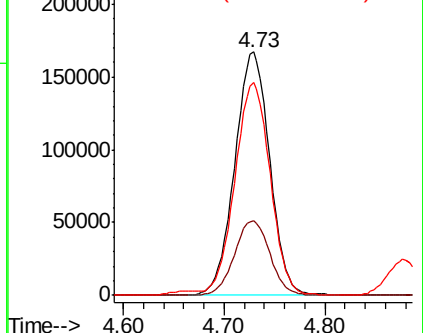
#29
Cyclohexane
Concen: 48.826 ug/L
RT: 4.73 min Scan# 1194
Delta R.T. 0.00 min
Lab File: VV007195.D
Acq: 25 Aug 2018 11:08

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.1	24.6	36.8
84	88.4	70.8	106.2

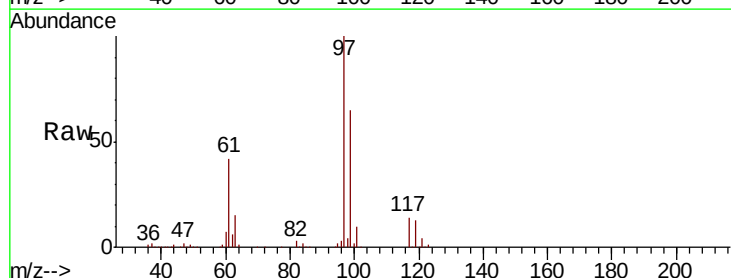


Abundance Ion 56.00 (55.70 to 56.70): VV0
Ion 69.00 (68.70 to 69.70): VV0
Ion 84.00 (83.70 to 84.70): VV0

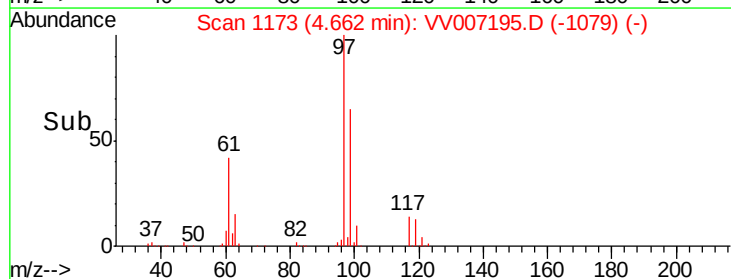
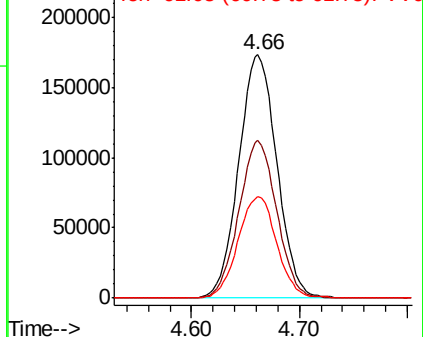


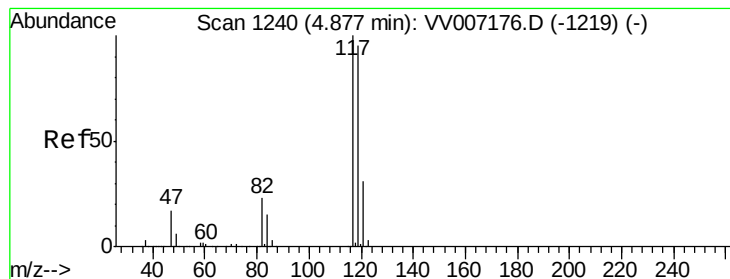
#30
1,1,1-Trichloroethane
Concen: 51.356 ug/L
RT: 4.66 min Scan# 1173
Delta R.T. 0.00 min
Lab File: VV007195.D
Acq: 25 Aug 2018 11:08

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.6	77.4
61	42.6	34.3	51.5



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





#31

Carbon tetrachloride

Concen: 52.056 ug/L

RT: 4.88 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VV007195.D

Acq: 25 Aug 2018 11:08

Instrument :

MSVOA_V

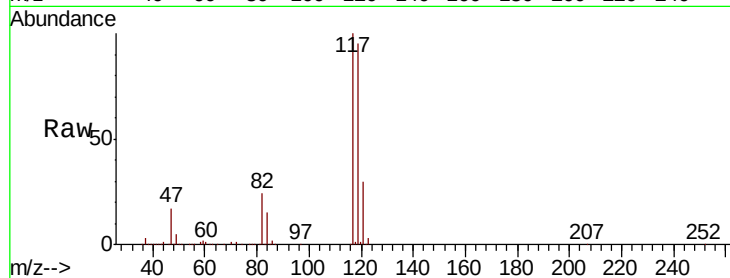
ClientSampleId :

Tot Ion:117 Resp: 371459

Ion Ratio Lower Upper

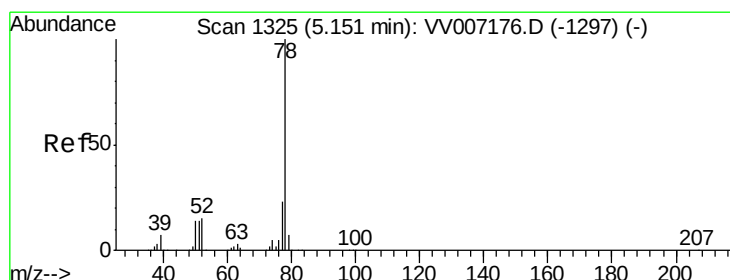
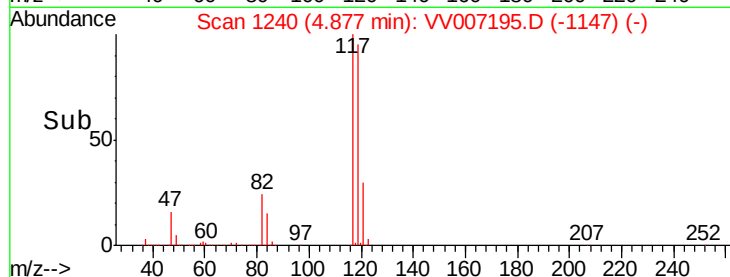
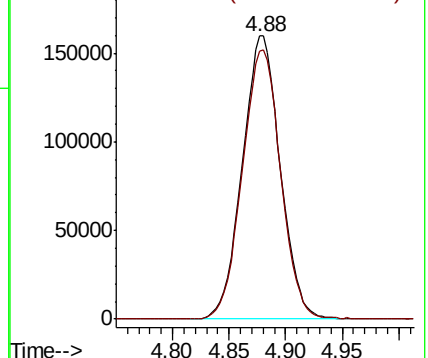
117 100

119 96.1 76.9 115.3



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 51.359 ug/L

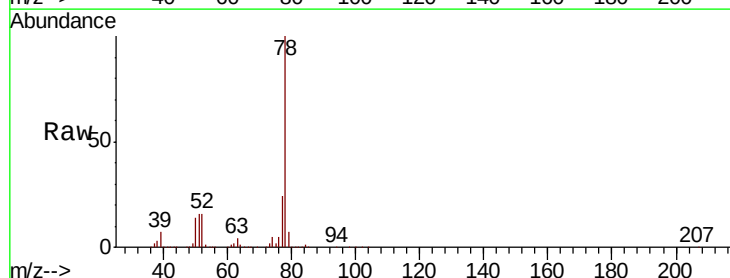
RT: 5.15 min Scan# 1325

Delta R.T. 0.00 min

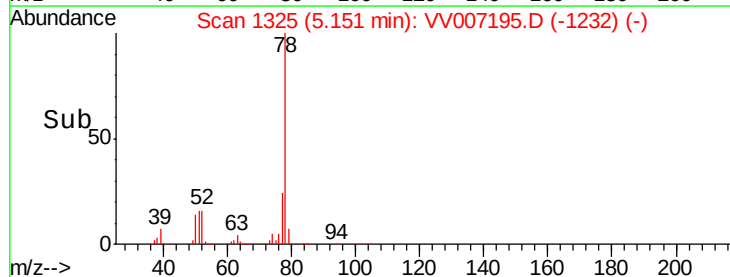
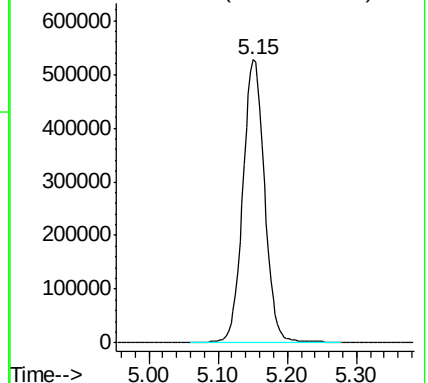
Lab File: VV007195.D

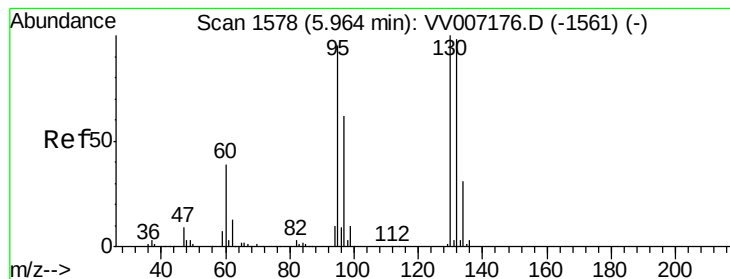
Acq: 25 Aug 2018 11:08

Tgt Ion: 78 Resp: 1153166



Abundance Ion 78.00 (77.70 to 78.70): VV0





#34

Trichloroethene

Concen: 50.432 ug/L

RT: 5.96 min Scan# 1578

Delta R.T. 0.00 min

Lab File: VV007195.D

Acq: 25 Aug 2018 11:08

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion: 95 Resp: 275352

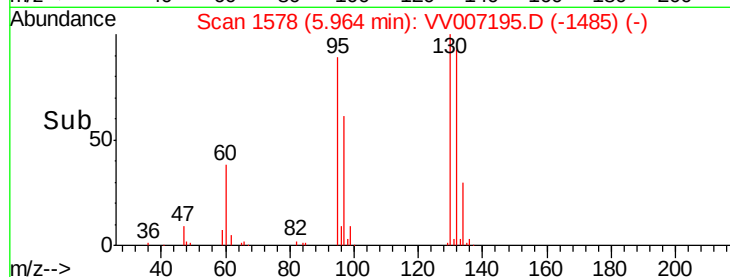
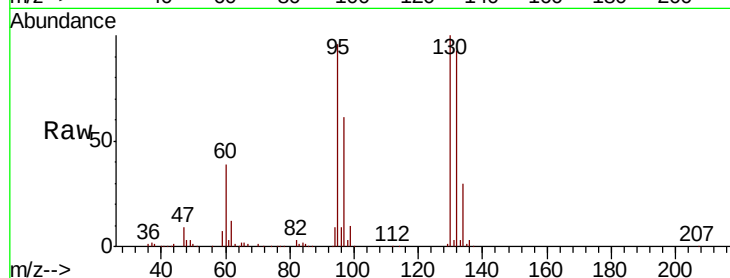
Ion Ratio Lower Upper

95 100

97 63.9 45.4 84.2

132 96.6 70.8 131.4

130 104.1 71.7 133.3

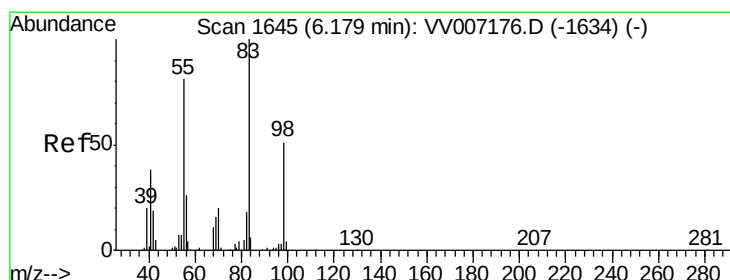
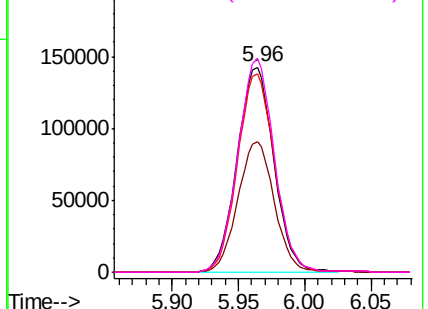


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 52.015 ug/L

RT: 6.18 min Scan# 1645

Delta R.T. 0.00 min

Lab File: VV007195.D

Acq: 25 Aug 2018 11:08

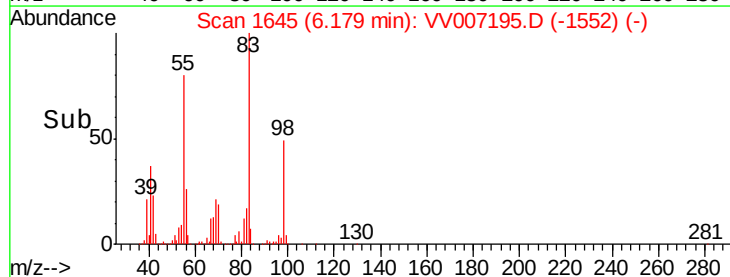
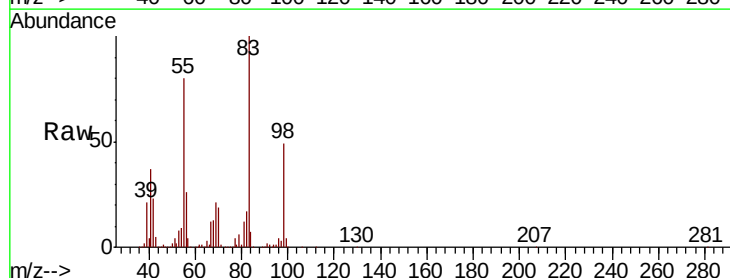
Tgt Ion: 83 Resp: 451626

Ion Ratio Lower Upper

83 100

55 78.8 62.2 93.2

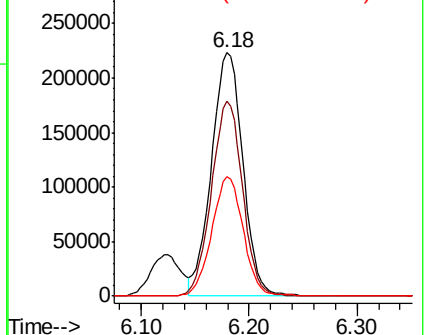
98 49.1 37.9 56.9

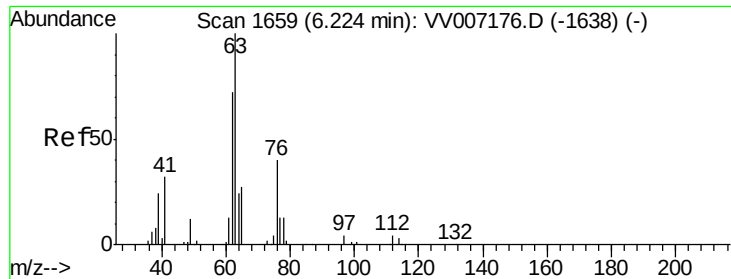


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

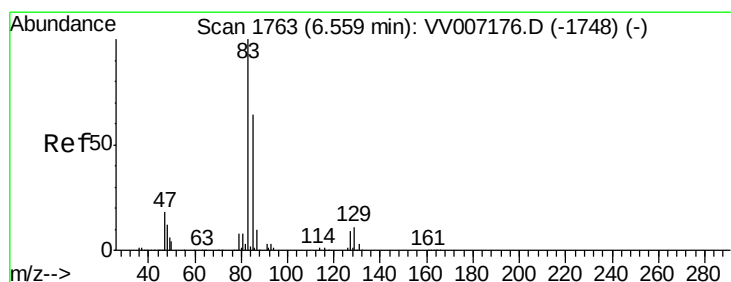
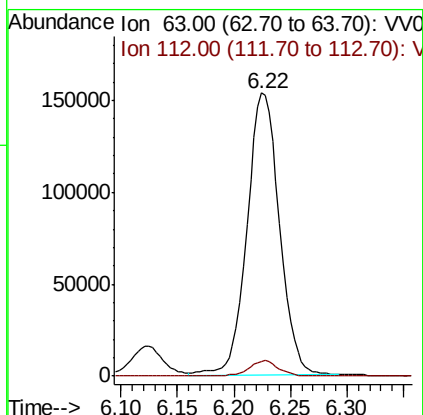
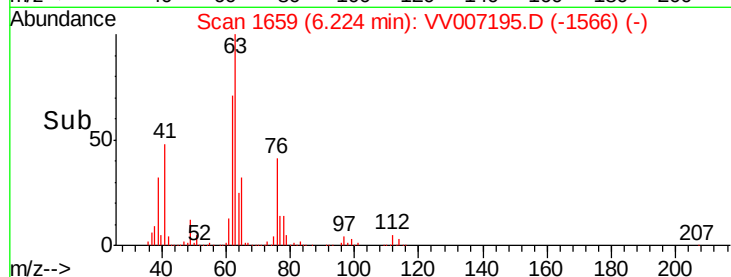
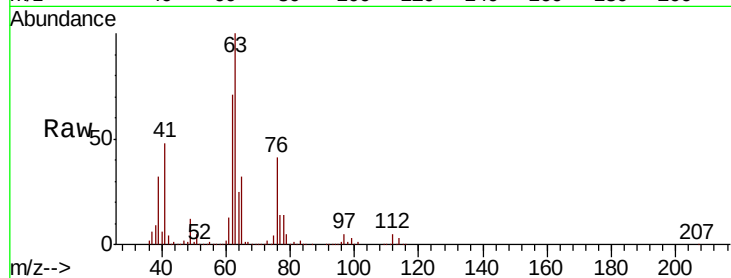




#37
 1,2-Dichloropropane
 Concen: 51.244 ug/L
 RT: 6.22 min Scan# 1659
 Delta R.T. 0.00 min
 Lab File: VV007195.D
 Acq: 25 Aug 2018 11:08

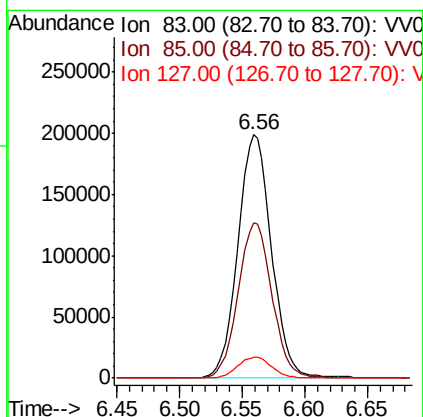
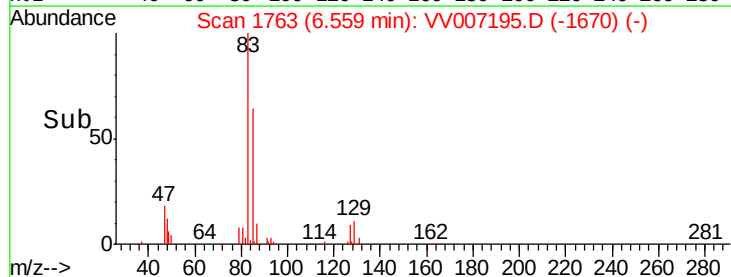
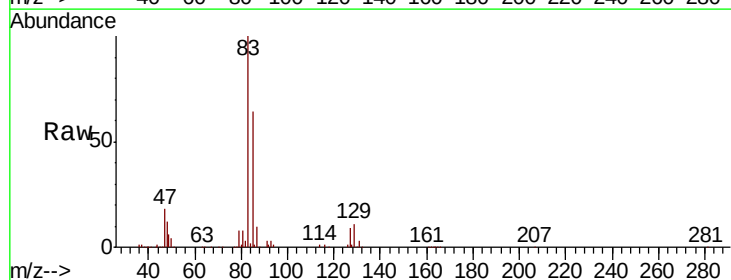
Instrument :
 MSVOA_V
 ClientSampleId :

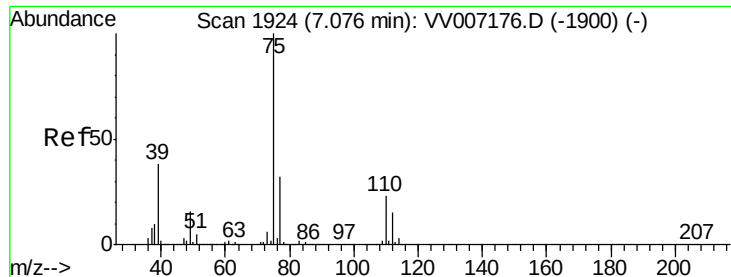
Tot Ion: 63 Resp: 306084
 Ion Ratio Lower Upper
 63 100
 112 5.3 3.6 5.4



#38
 Bromodichloromethane
 Concen: 50.904 ug/L
 RT: 6.56 min Scan# 1763
 Delta R.T. 0.00 min
 Lab File: VV007195.D
 Acq: 25 Aug 2018 11:08

Tgt Ion: 83 Resp: 369760
 Ion Ratio Lower Upper
 83 100
 85 63.8 44.1 81.9
 127 8.5 6.6 10.0



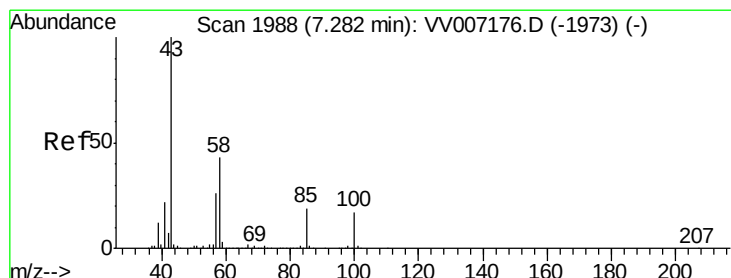
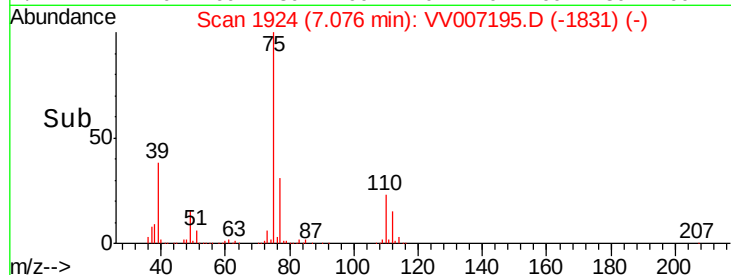
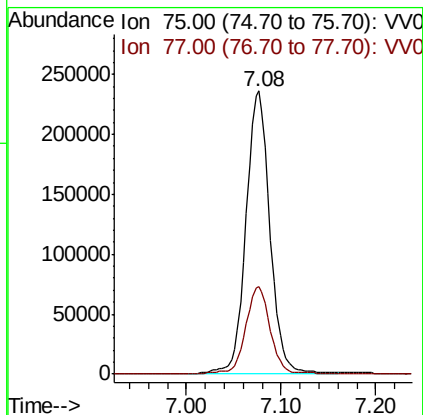
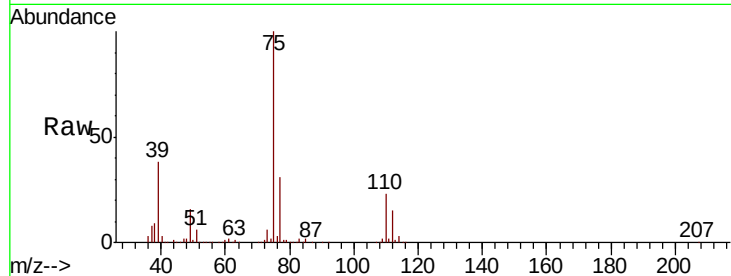


#39

cis-1,3-Dichloropropene
 Concen: 50.104 ug/L
 RT: 7.08 min Scan# 1924
 Delta R.T. 0.00 min
 Lab File: VV007195.D
 Acq: 25 Aug 2018 11:08

Instrument :
 MSVOA_V
 ClientSampled :

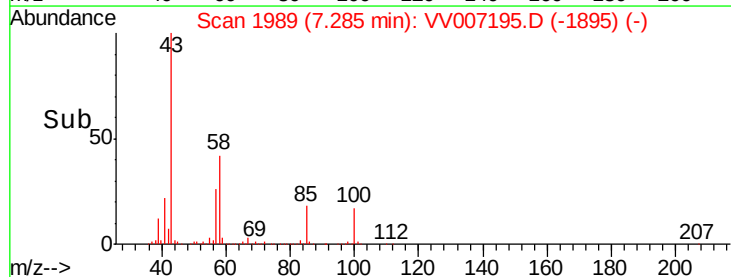
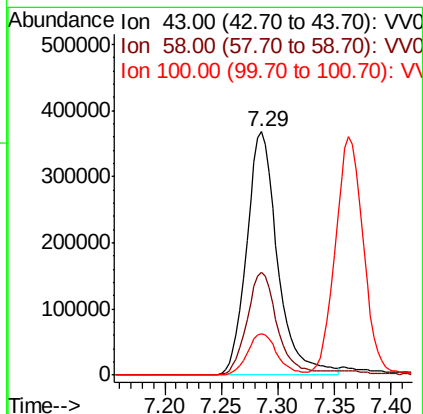
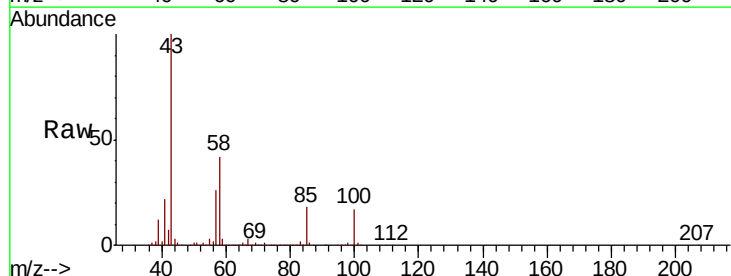
Tot Ion: 75 Resp: 417123
 Ion Ratio Lower Upper
 75 100
 77 31.1 22.2 41.2

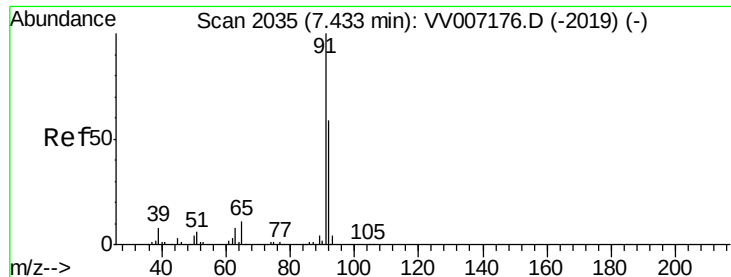


#40

4-Methyl-2-pentanone
 Concen: 100.082 ug/L
 RT: 7.29 min Scan# 1989
 Delta R.T. 0.00 min
 Lab File: VV007195.D
 Acq: 25 Aug 2018 11:08

Tgt Ion: 43 Resp: 700892
 Ion Ratio Lower Upper
 43 100
 58 41.8 31.5 47.3
 100 16.4 12.6 18.8





#42

Toluene

Concen: 54.686 ug/L

RT: 7.43 min Scan# 2035

Delta R.T. 0.00 min

Lab File: VV007195.D

Acq: 25 Aug 2018 11:08

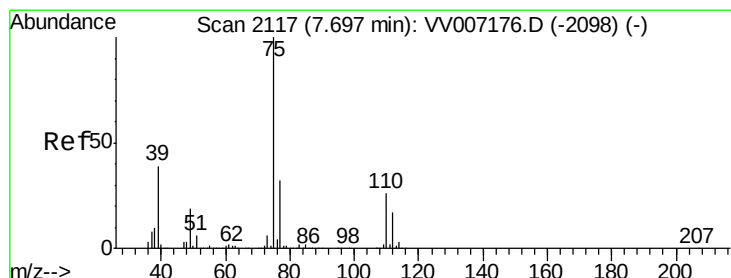
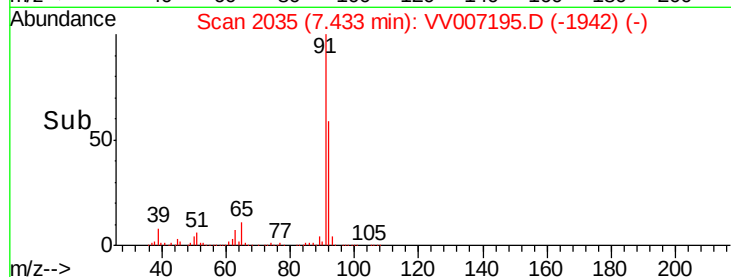
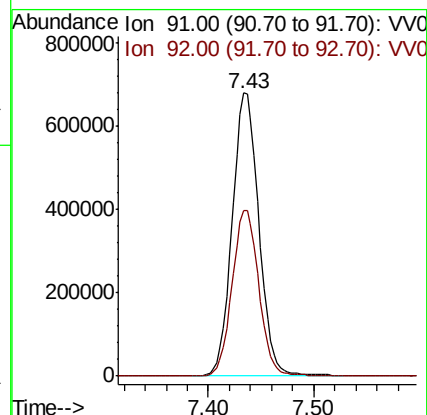
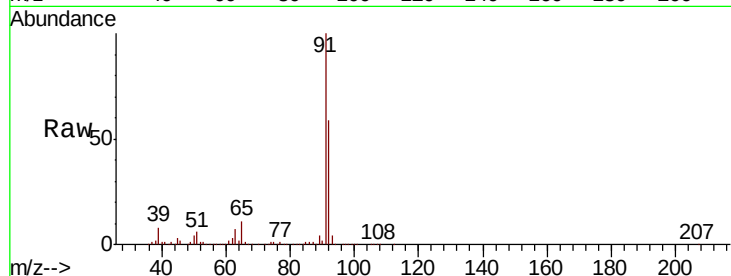
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 1190291

Ion Ratio Lower Upper

91 100

92 58.6 41.2 76.6



#44

trans-1,3-Dichloropropene

Concen: 50.787 ug/L

RT: 7.70 min Scan# 2117

Delta R.T. 0.00 min

Lab File: VV007195.D

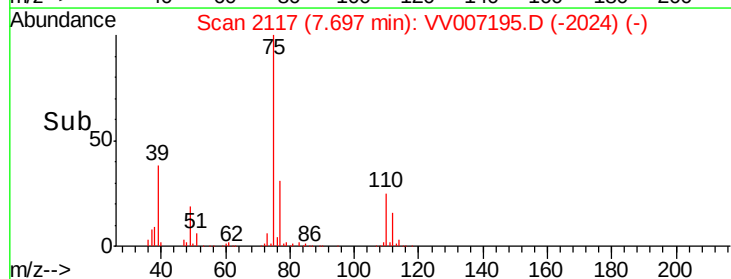
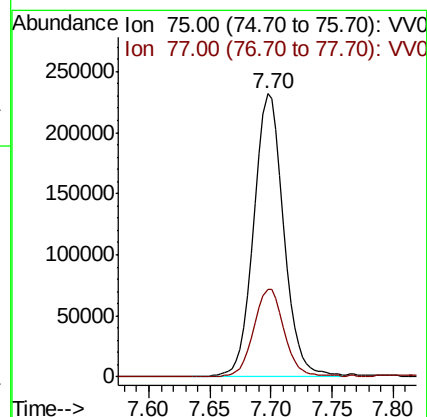
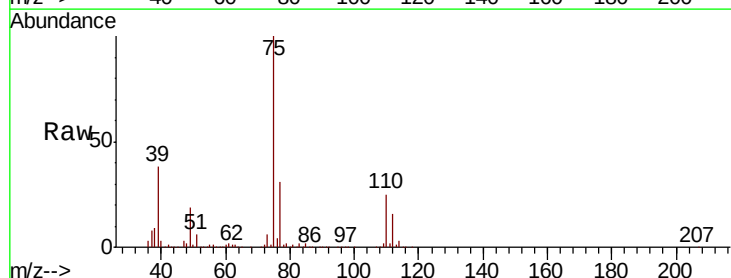
Acq: 25 Aug 2018 11:08

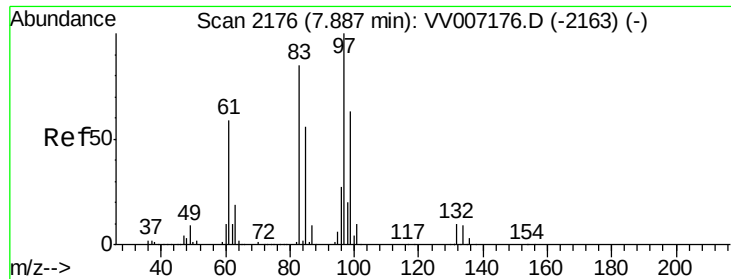
Tgt Ion: 75 Resp: 392870

Ion Ratio Lower Upper

75 100

77 31.1 22.6 42.0

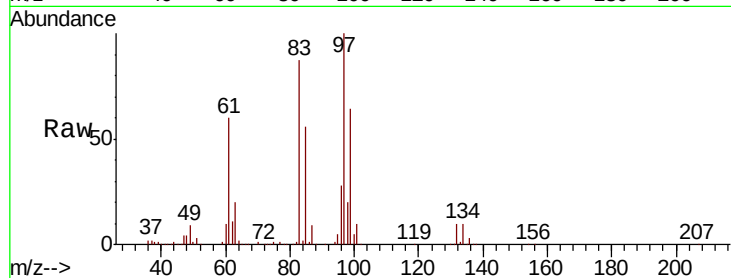




#45
 1,1,2-Trichloroethane
 Concen: 51.095 ug/L
 RT: 7.89 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VV007195.D
 Acq: 25 Aug 2018 11:08

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:	97	Resp:	282628
Ion	Ratio	Lower	Upper
97	100		
99	64.2	43.8	81.4
83	87.0	61.0	113.4
85	55.8	39.2	72.8



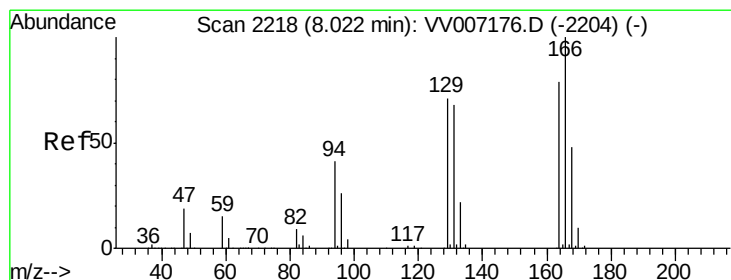
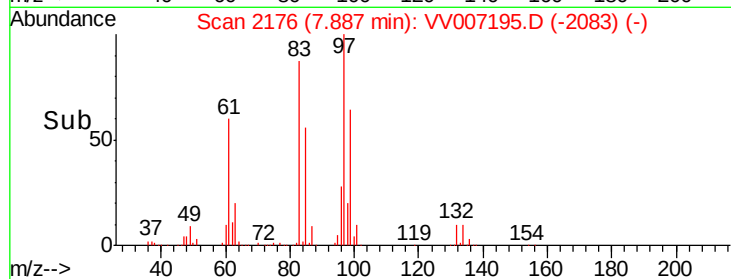
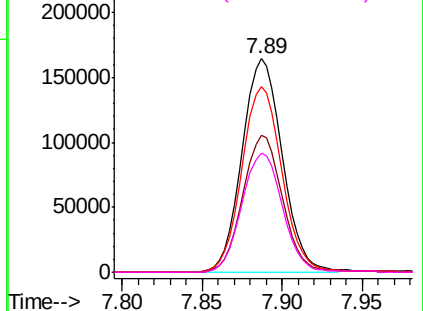
Abundance

Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

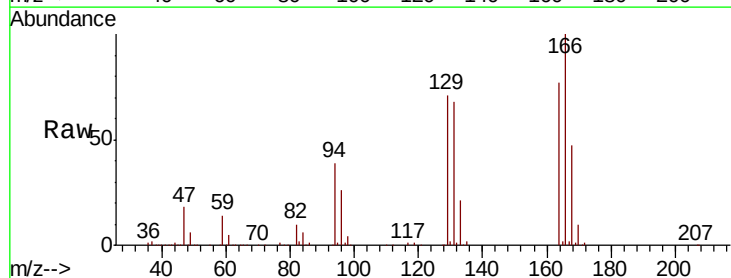
Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0



#46
 Tetrachloroethene
 Concen: 52.781 ug/L
 RT: 8.02 min Scan# 2218
 Delta R.T. 0.00 min
 Lab File: VV007195.D
 Acq: 25 Aug 2018 11:08

Tgt Ion:	164	Resp:	237646
Ion	Ratio	Lower	Upper
164	100		
129	91.5	63.3	117.7
131	88.4	60.6	112.6
166	129.4	87.8	163.2



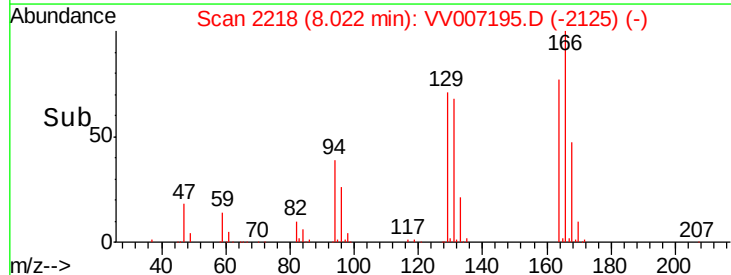
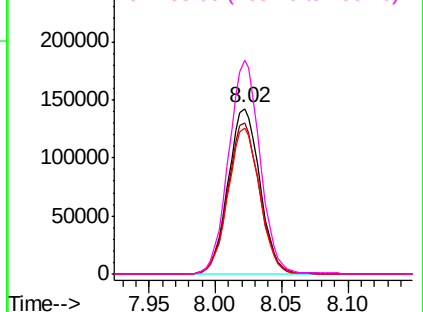
Abundance

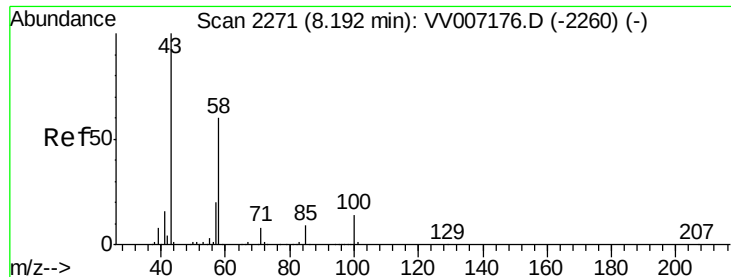
Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

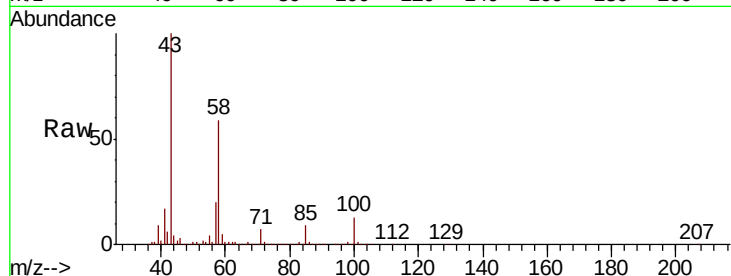




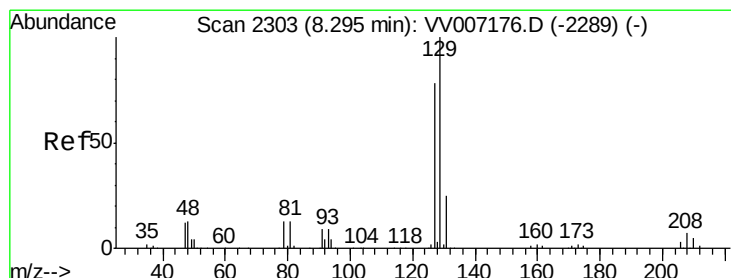
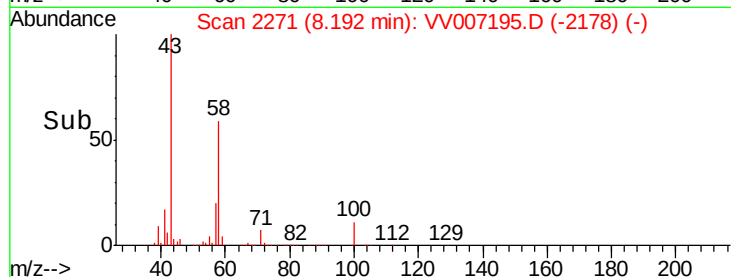
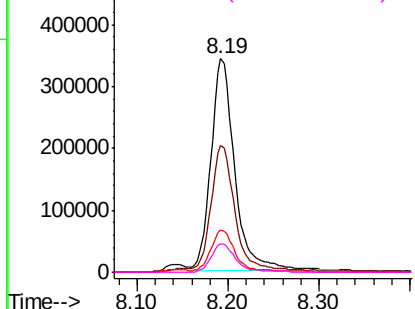
#48
2-Hexanone
Concen: 113.930 ug/L
RT: 8.19 min Scan# 2271
Delta R.T. 0.00 min
Lab File: VV007195.D
Acq: 25 Aug 2018 11:08

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 624689
Ion Ratio Lower Upper
43 100
58 58.6 47.3 70.9
57 19.3 16.5 24.7
100 13.6 11.0 16.4

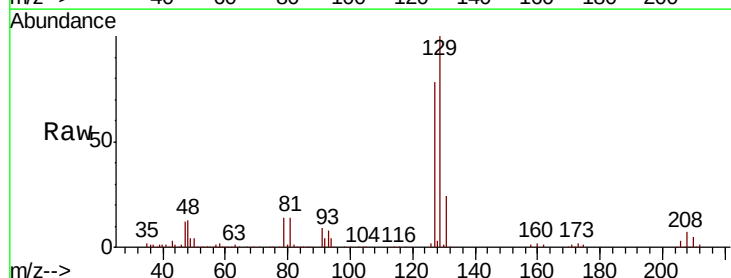


Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 58.00 (57.70 to 58.70): VV0
Ion 57.00 (56.70 to 57.70): VV0
Ion 100.00 (99.70 to 100.70): VV0

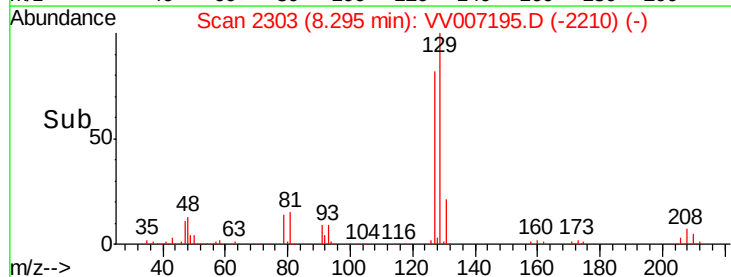
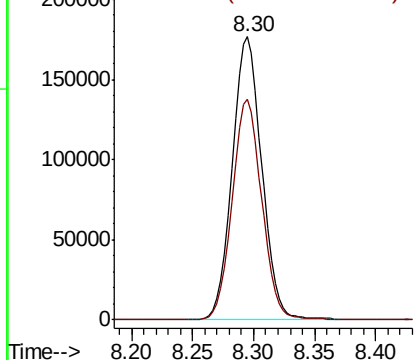


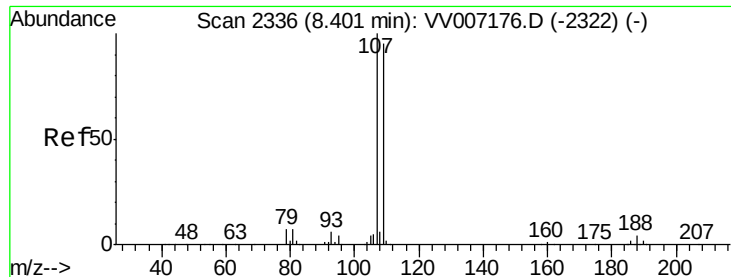
#49
Dibromochloromethane
Concen: 52.366 ug/L
RT: 8.30 min Scan# 2303
Delta R.T. 0.00 min
Lab File: VV007195.D
Acq: 25 Aug 2018 11:08

Tgt Ion: 129 Resp: 297094
Ion Ratio Lower Upper
129 100
127 78.1 54.0 100.2



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





#50

1,2-Dibromoethane

Concen: 50.839 ug/L

RT: 8.40 min Scan# 2336

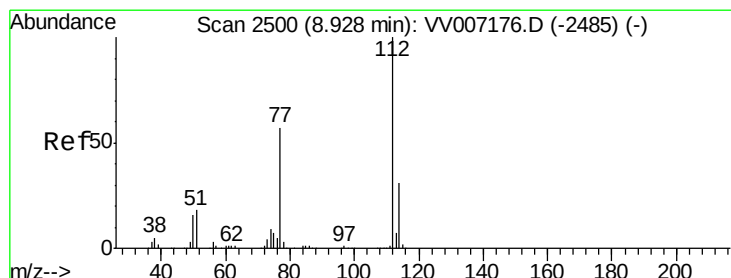
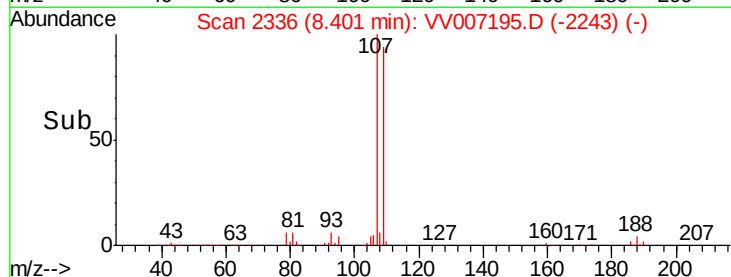
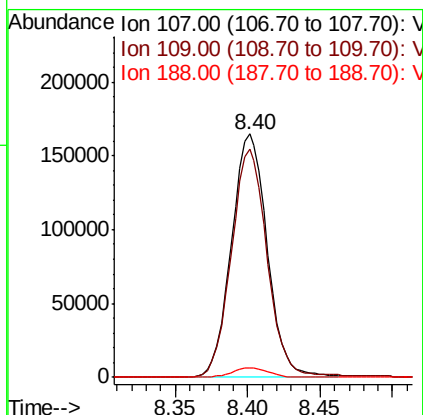
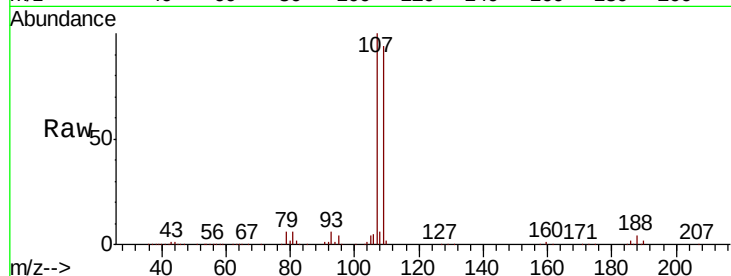
Delta R.T. 0.00 min

Lab File: VV007195.D

Acq: 25 Aug 2018 11:08

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:	107	Resp:	282539
Ion	Ratio	Lower	Upper
107	100		
109	93.9	68.3	126.8
188	4.0	3.3	4.9



#51

Chlorobenzene

Concen: 51.249 ug/L

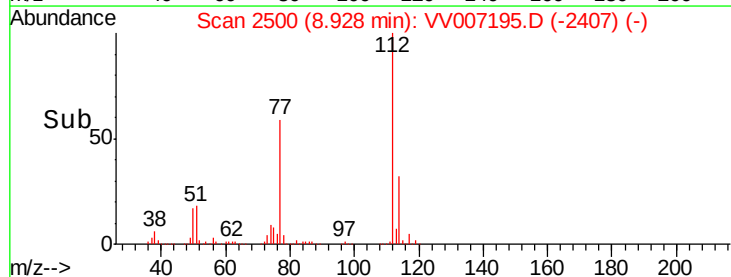
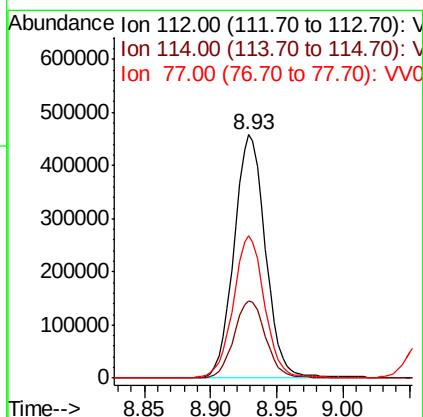
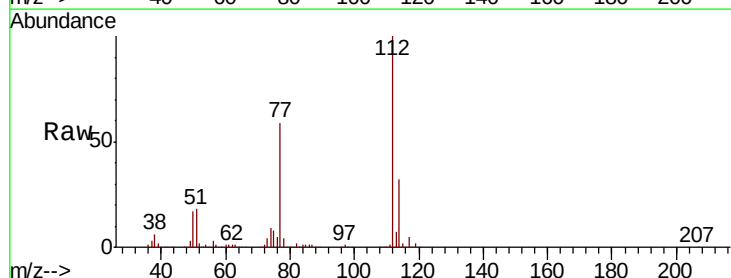
RT: 8.93 min Scan# 2500

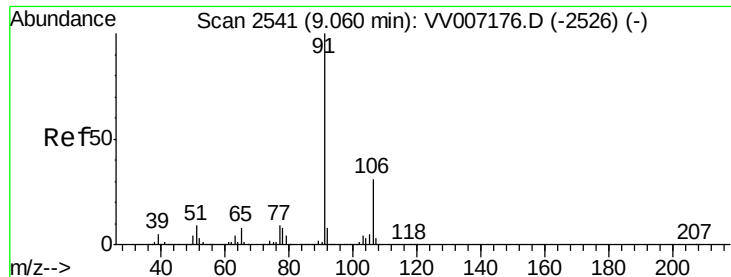
Delta R.T. 0.00 min

Lab File: VV007195.D

Acq: 25 Aug 2018 11:08

Tgt Ion:	112	Resp:	754270
Ion	Ratio	Lower	Upper
112	100		
114	31.9	22.0	40.8
77	58.5	46.4	69.6





#52

Ethylbenzene

Concen: 53.536 ug/L

RT: 9.06 min Scan# 2541

Delta R.T. 0.00 min

Lab File: VV007195.D

Acq: 25 Aug 2018 11:08

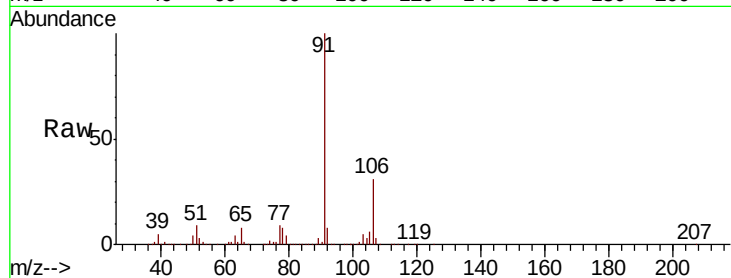
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 1210096

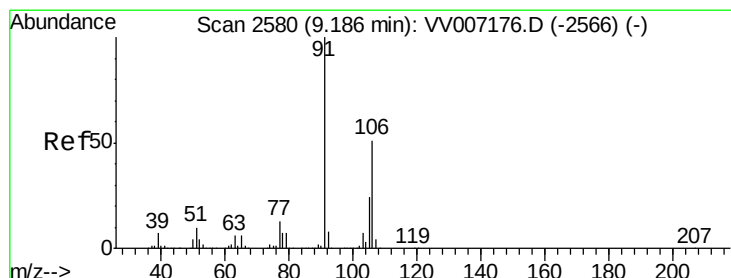
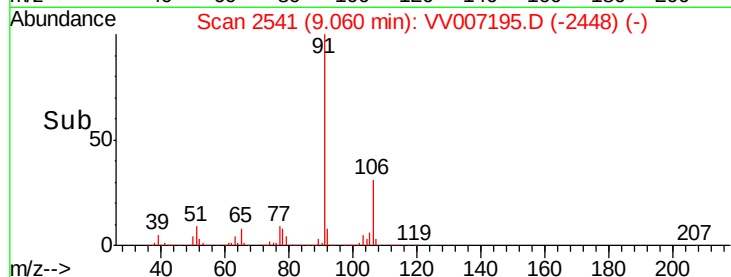
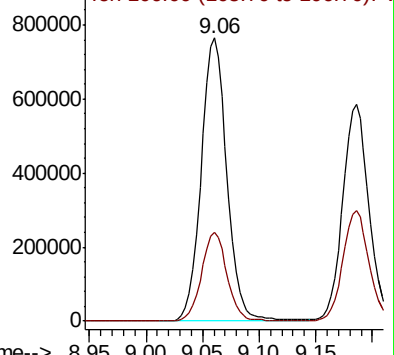
Ion Ratio Lower Upper

91 100

106 31.4 22.0 40.8



Abundance Ion 91.00 (90.70 to 91.70): VV007176.D (-2526) (-)



#53

m,p-Xylene

Concen: 56.278 ug/L

RT: 9.19 min Scan# 2580

Delta R.T. 0.00 min

Lab File: VV007195.D

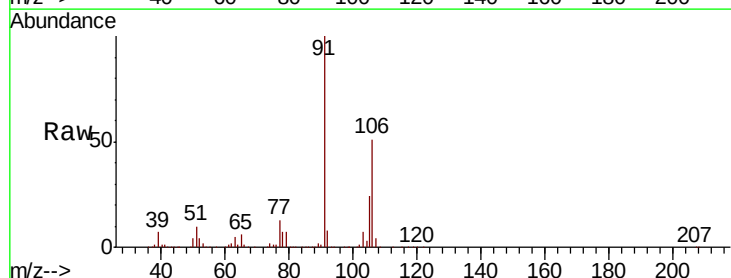
Acq: 25 Aug 2018 11:08

Tgt Ion:106 Resp: 483005

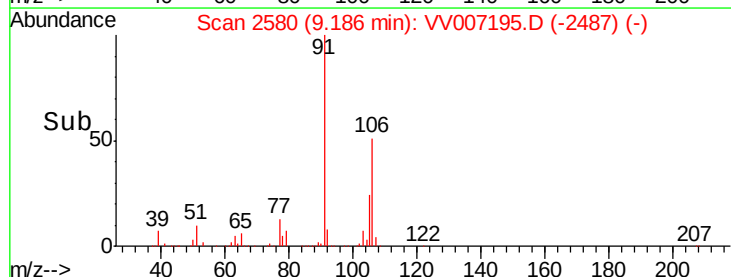
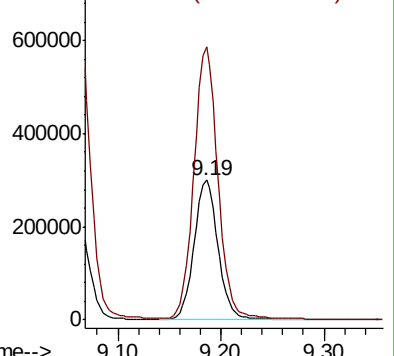
Ion Ratio Lower Upper

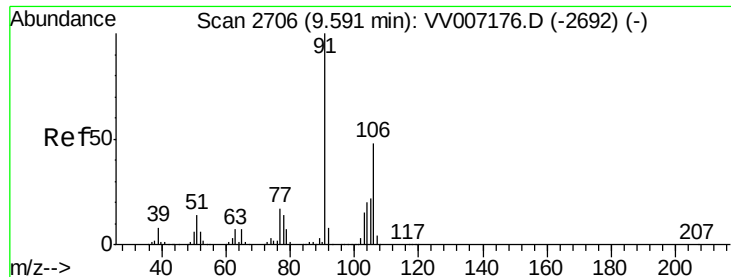
106 100

91 195.4 138.9 258.1



Abundance Ion 106.00 (105.70 to 106.70): VV007195.D (-2487) (-)





#54

o-xylene

Concen: 53.656 ug/L

RT: 9.59 min Scan# 2706

Delta R.T. 0.00 min

Lab File: VV007195.D

Acq: 25 Aug 2018 11:08

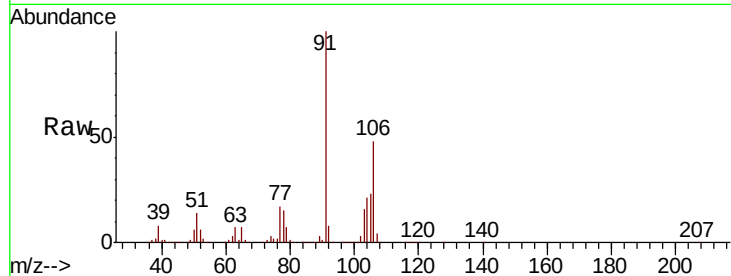
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:106 Resp: 443227

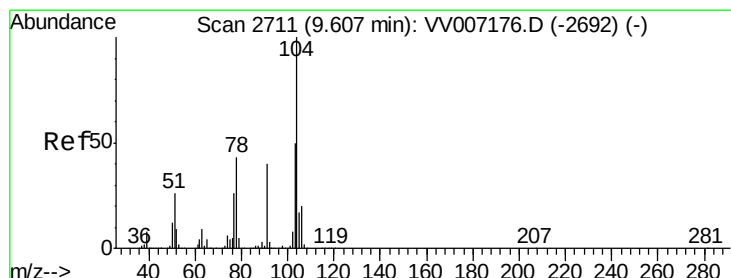
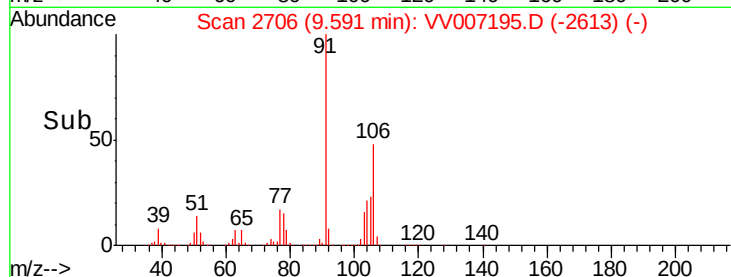
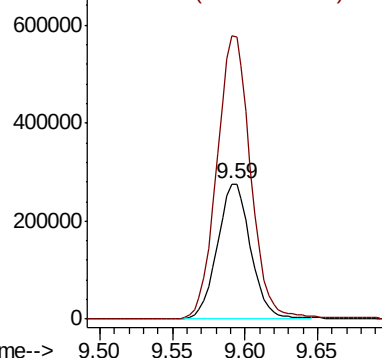
Ion Ratio Lower Upper

106 100

91 209.0 145.2 269.6



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 57.627 ug/L

RT: 9.61 min Scan# 2711

Delta R.T. 0.00 min

Lab File: VV007195.D

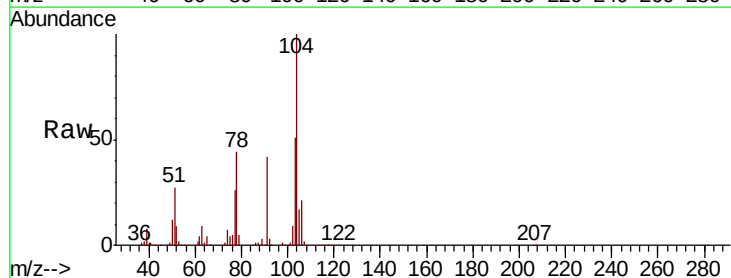
Acq: 25 Aug 2018 11:08

Tgt Ion:104 Resp: 816837

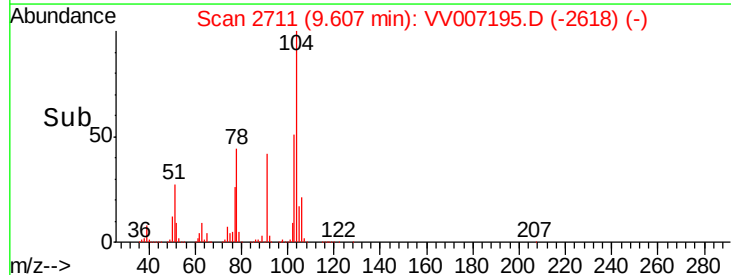
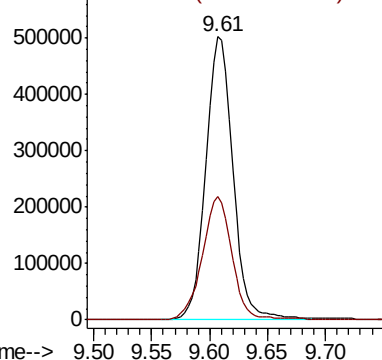
Ion Ratio Lower Upper

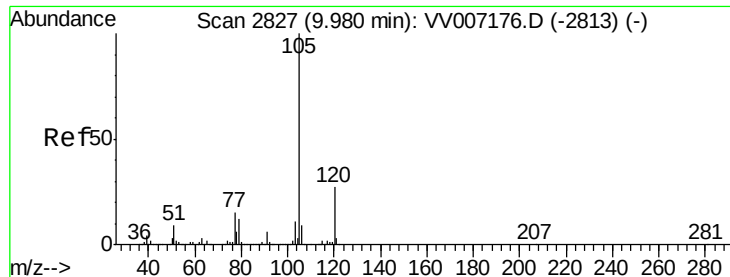
104 100

78 43.6 29.3 54.3



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VV0

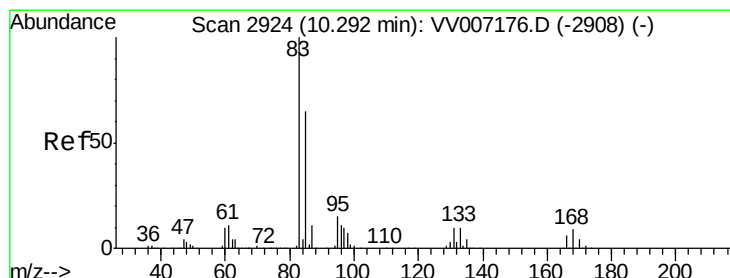
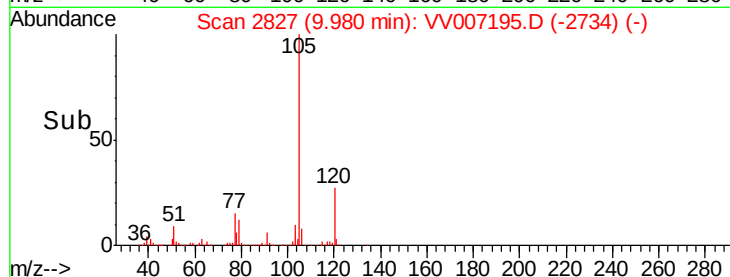
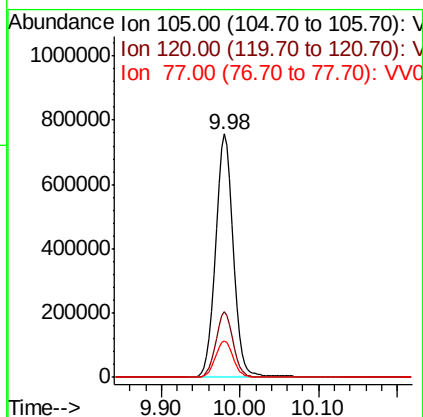
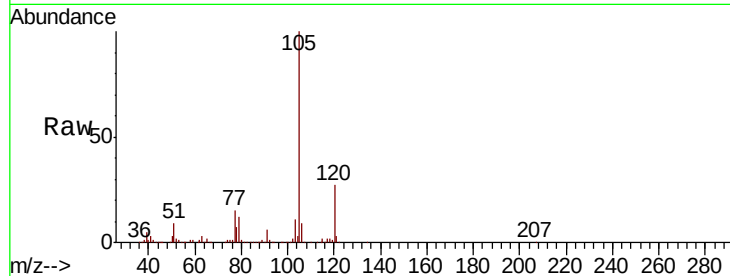




#56
Isopropylbenzene
Concen: 55.473 ug/L
RT: 9.98 min Scan# 2827
Delta R.T. 0.00 min
Lab File: VV007195.D
Acq: 25 Aug 2018 11:08

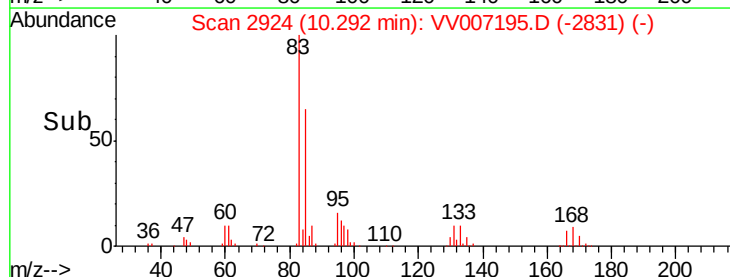
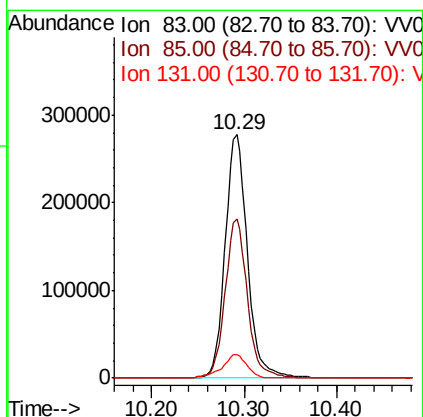
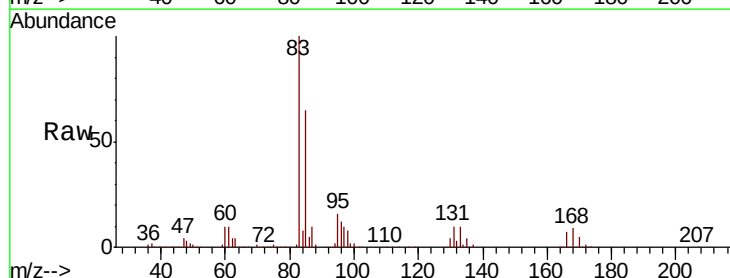
Instrument :
MSVOA_V
ClientSampleId :

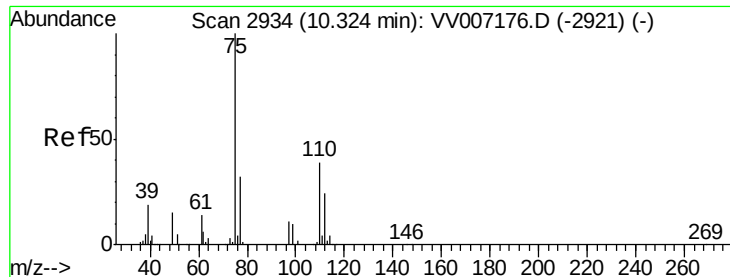
Tot Ion:105 Resp: 1172103
Ion Ratio Lower Upper
105 100
120 26.5 21.2 31.8
77 15.3 11.8 17.6



#58
1,1,2,2-Tetrachloroethane
Concen: 50.863 ug/L
RT: 10.29 min Scan# 2924
Delta R.T. 0.00 min
Lab File: VV007195.D
Acq: 25 Aug 2018 11:08

Tgt Ion: 83 Resp: 461960
Ion Ratio Lower Upper
83 100
85 65.5 45.4 84.2
131 9.8 8.2 12.2





#59

1,2,3-Trichloropropane

Concen: 50.637 ug/L

RT: 10.32 min Scan# 2934

Delta R.T. 0.00 min

Lab File: VV007195.D

Acq: 25 Aug 2018 11:08

Instrument :

MSVOA_V

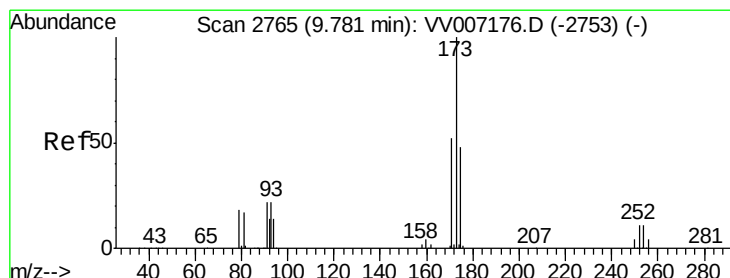
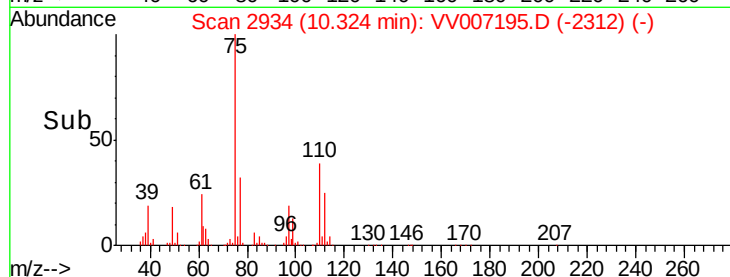
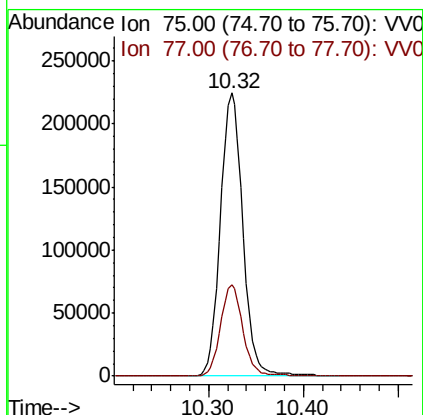
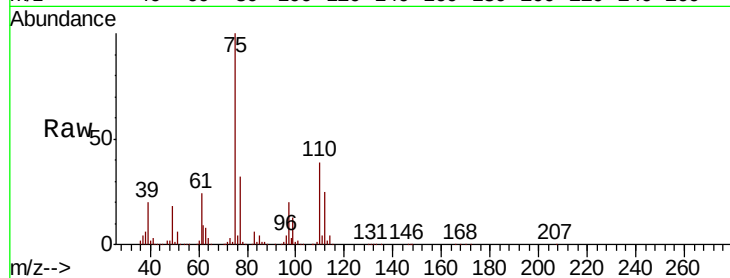
ClientSampleId :

Tot Ion: 75 Resp: 369782

Ion Ratio Lower Upper

75 100

77 31.6 24.6 37.0



#61

Bromoform

Concen: 49.391 ug/L

RT: 9.78 min Scan# 2765

Delta R.T. 0.00 min

Lab File: VV007195.D

Acq: 25 Aug 2018 11:08

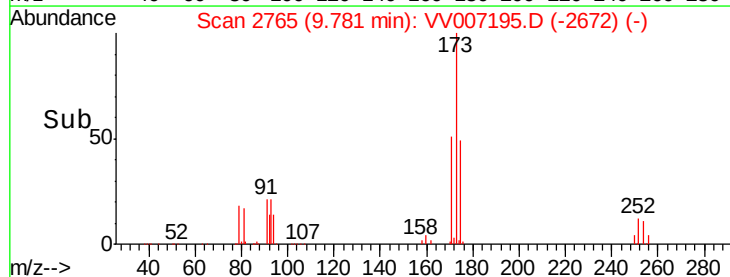
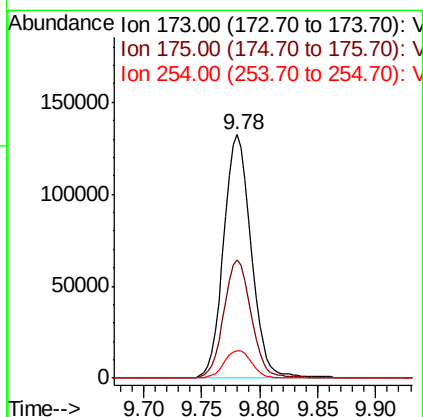
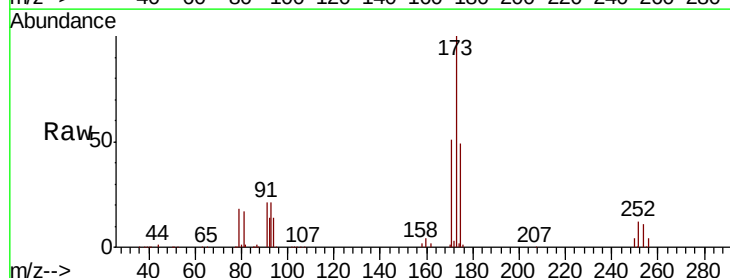
Tgt Ion: 173 Resp: 218194

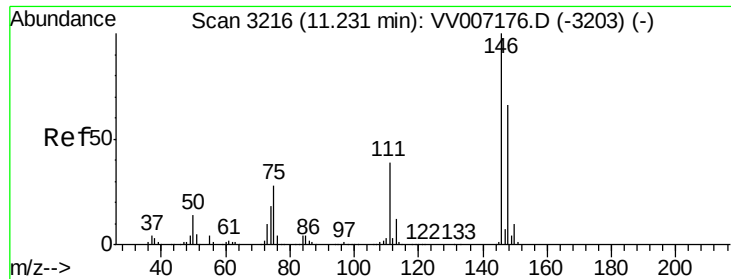
Ion Ratio Lower Upper

173 100

175 48.2 38.6 58.0

254 11.1 8.6 12.8





#62

1,3-Dichlorobenzene

Concen: 49.129 ug/L

RT: 11.23 min Scan# 3216

Delta R.T. 0.00 min

Lab File: VV007195.D

Acq: 25 Aug 2018 11:08

Instrument :

MSVOA_V

ClientSampled :

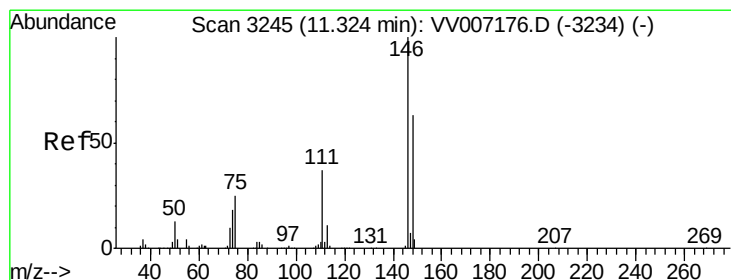
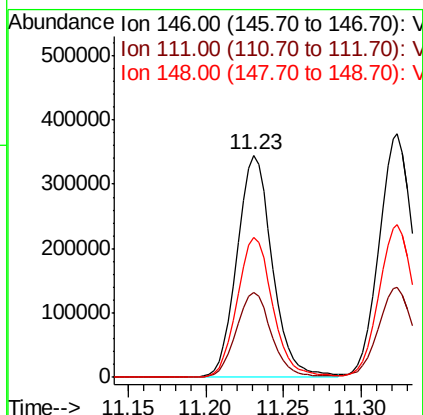
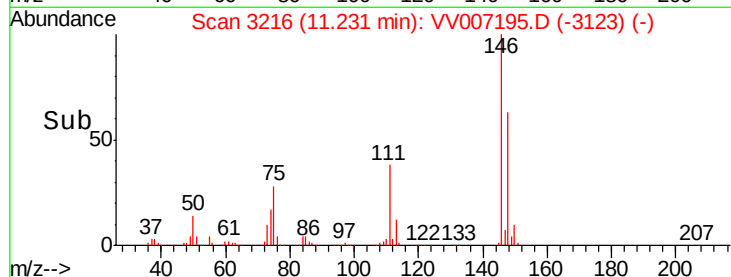
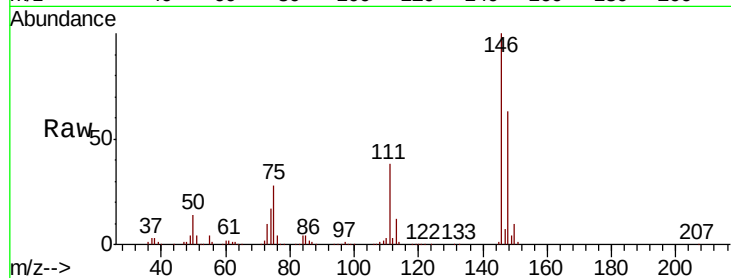
Tot Ion:146 Resp: 547486

Ion Ratio Lower Upper

146 100

111 38.3 27.1 50.3

148 63.3 44.8 83.2



#63

1,4-Dichlorobenzene

Concen: 50.681 ug/L

RT: 11.32 min Scan# 3245

Delta R.T. 0.00 min

Lab File: VV007195.D

Acq: 25 Aug 2018 11:08

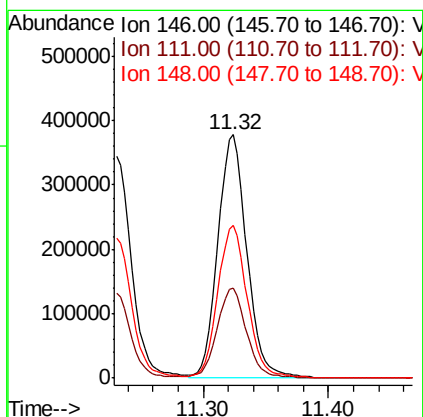
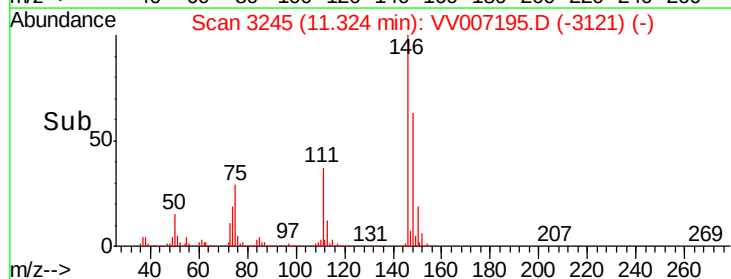
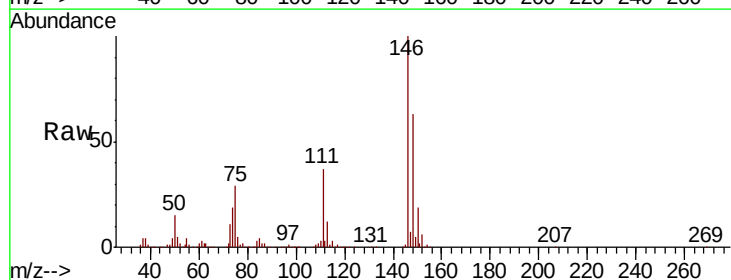
Tgt Ion:146 Resp: 607683

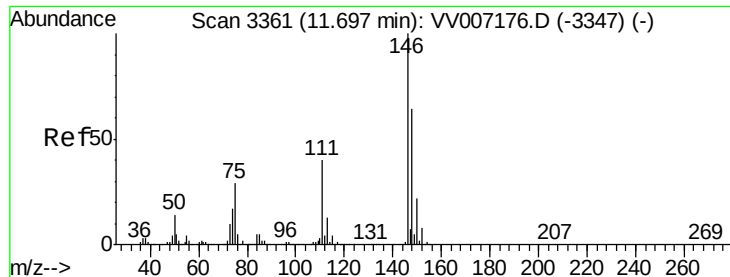
Ion Ratio Lower Upper

146 100

111 36.9 26.7 49.5

148 63.0 44.7 82.9

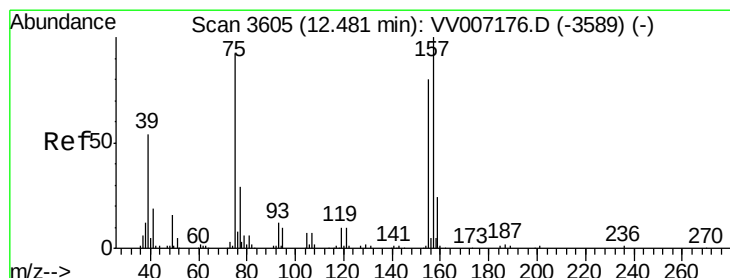
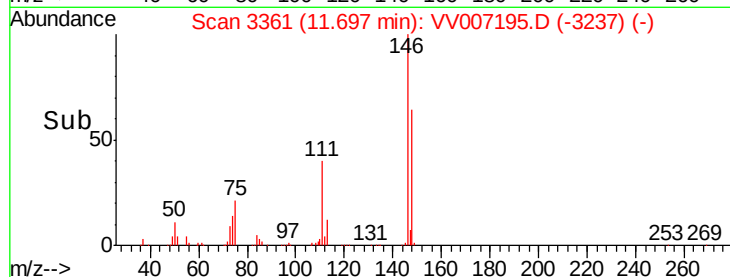
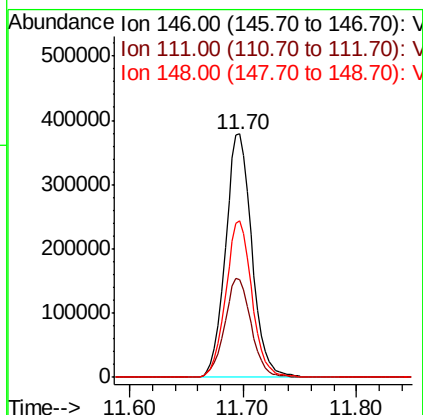
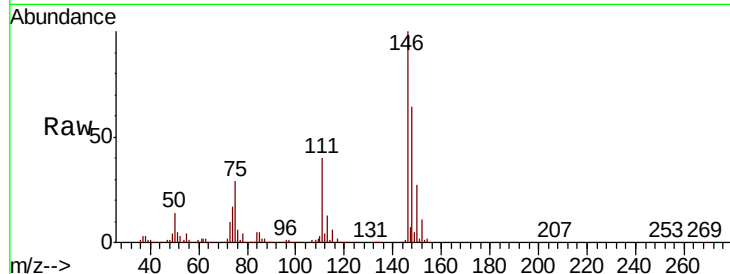




#65
 1,2-Dichlorobenzene
 Concen: 51.274 ug/L
 RT: 11.70 min Scan# 3361
 Delta R.T. 0.00 min
 Lab File: VV007195.D
 Acq: 25 Aug 2018 11:08

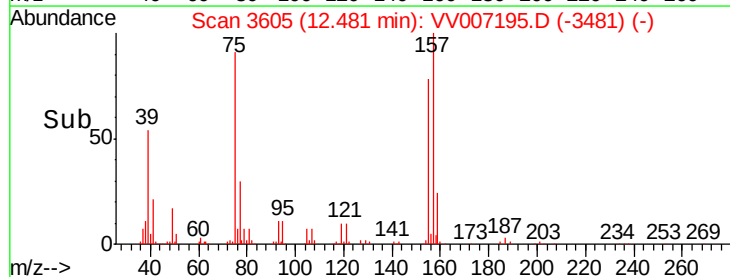
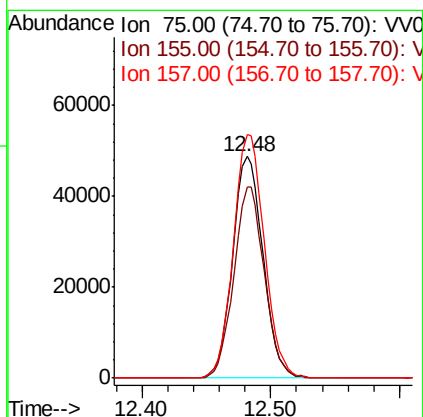
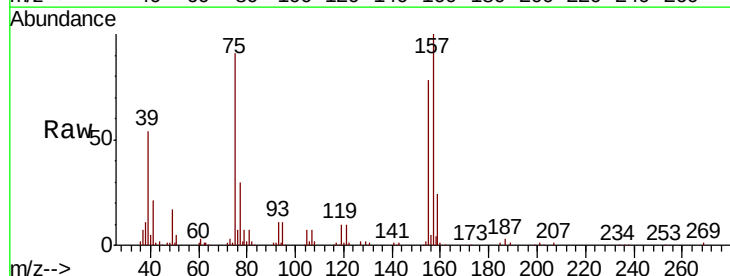
Instrument :
 MSVOA_V
 ClientSampleId :

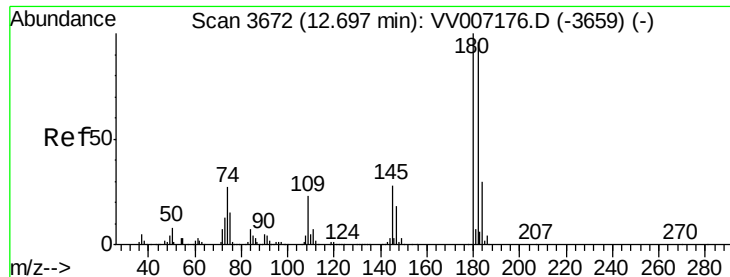
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.4	32.2	48.2
148	64.2	51.0	76.6



#66
 1,2-Dibromo-3-chloropropane
 Concen: 47.289 ug/L
 RT: 12.48 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VV007195.D
 Acq: 25 Aug 2018 11:08

Tgt Ion	Ratio	Lower	Upper
75	100		
155	86.1	70.6	106.0
157	109.9	91.8	137.8

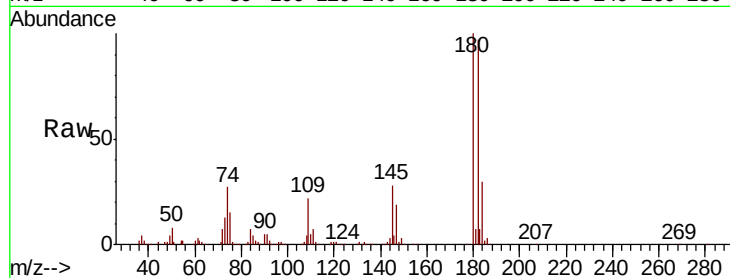




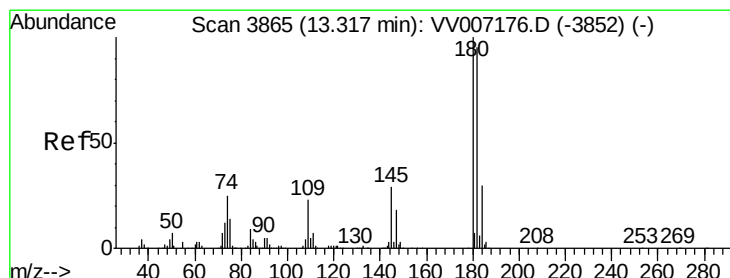
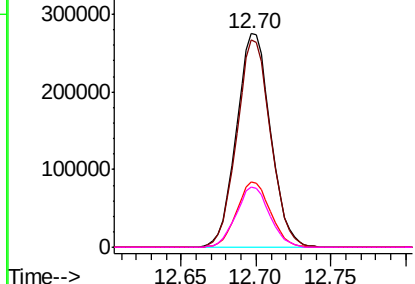
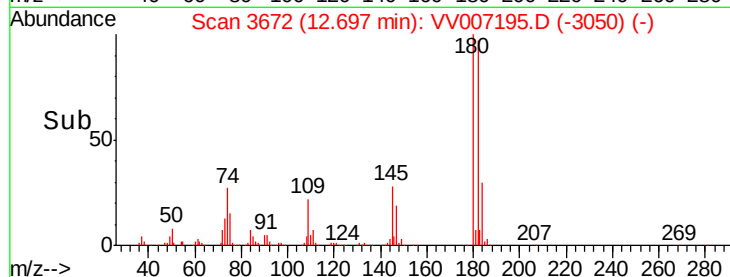
#67
 1,3,5-Trichlorobenzene
 Concen: 53.734 ug/L
 RT: 12.70 min Scan# 3672
 Delta R.T. 0.00 min
 Lab File: VV007195.D
 Acq: 25 Aug 2018 11:08

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:180	Resp:	436849
Ion Ratio	Lower	Upper
180	100	
182	96.1	75.8 113.8
184	30.3	24.4 36.6
145	27.9	22.6 33.8

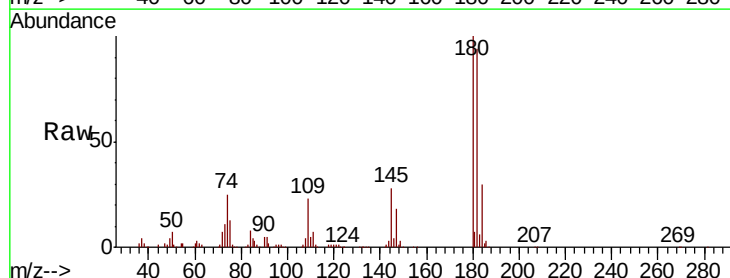


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

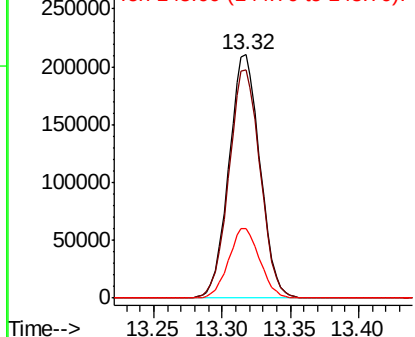
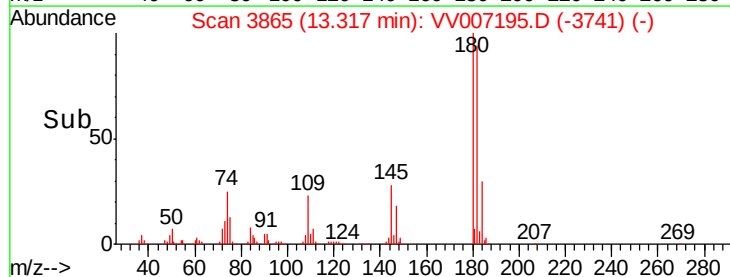


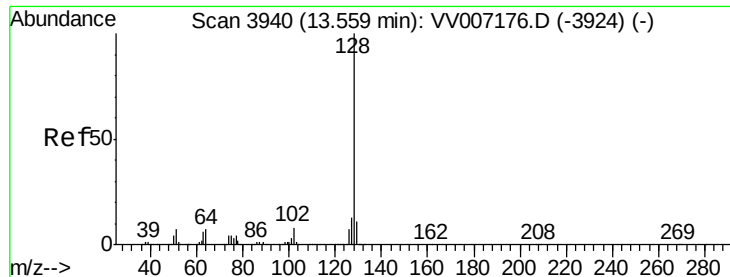
#68
 1,2,4-trichlorobenzene
 Concen: 54.883 ug/L
 RT: 13.32 min Scan# 3865
 Delta R.T. 0.00 min
 Lab File: VV007195.D
 Acq: 25 Aug 2018 11:08

Tgt Ion:180	Resp:	332766
Ion Ratio	Lower	Upper
180	100	
182	94.5	77.6 116.4
145	28.7	23.4 35.2



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: 46.065 ug/L

RT: 13.56 min Scan# 3940

Delta R.T. 0.00 min

Lab File: VV007195.D

Acq: 25 Aug 2018 11:08

Instrument :

MSVOA_V

ClientSampleId :

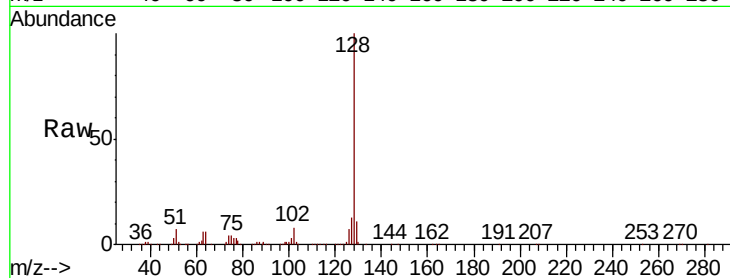
Tot Ion:128 Resp: 759829

Ion Ratio Lower Upper

128 100

127 13.4 10.3 15.5

129 10.9 8.7 13.1

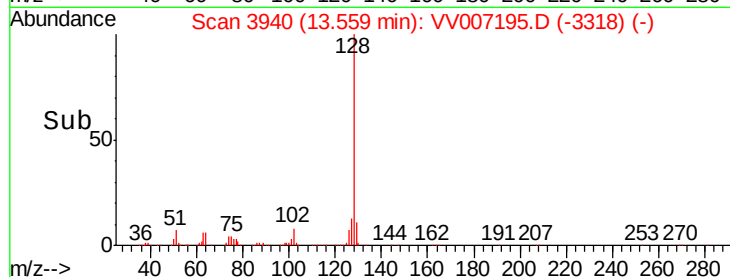


Abundance Ion 128.00 (127.70 to 128.70): V

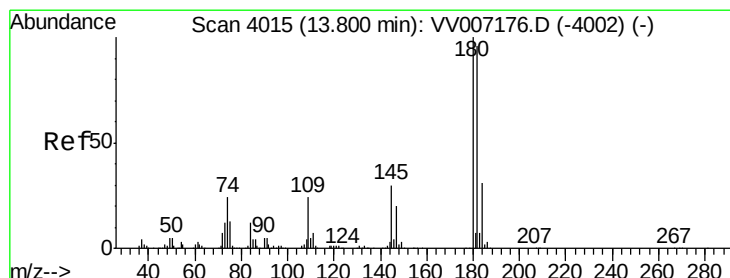
Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

13.56



Time-->



#70

1,2,3-Trichlorobenzene

Concen: 57.321 ug/L

RT: 13.80 min Scan# 4015

Delta R.T. 0.00 min

Lab File: VV007195.D

Acq: 25 Aug 2018 11:08

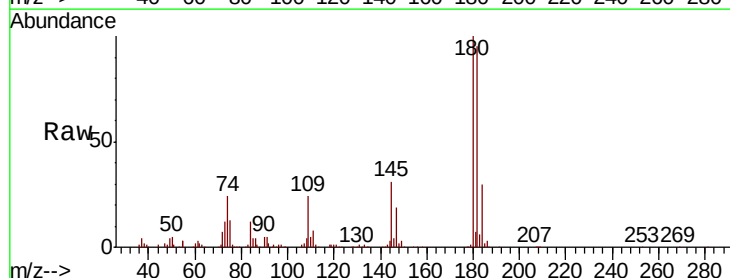
Tgt Ion:180 Resp: 372970

Ion Ratio Lower Upper

180 100

182 94.9 77.0 115.4

145 30.9 24.7 37.1

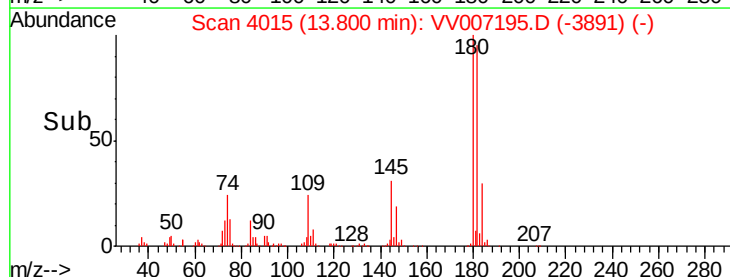


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

13.80



Time-->