

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV082418\
 Data File : VV007193.D
 Acq On : 25 Aug 2018 01:35
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0 mL/MSVOA V/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Aug 25 02:11:28 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	681034	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	676592	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	335121	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	234412	49.00	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	98.00%
7) Chloroethane-d5	1.58	69	196575	50.68	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	101.36%
11) 1,1-Dichloroethene-d2	2.13	63	419616	50.42	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	100.84%
21) 2-Butanone-d5	3.95	46	356615	100.03	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	100.03%
24) Chloroform-d	4.41	84	469765	50.59	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.18%
26) 1,2-Dichloroethane-d4	5.09	65	287099	51.13	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.26%
32) Benzene-d6	5.11	84	960998	50.00	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.00%
36) 1,2-Dichloropropane-d6	6.12	67	306733	48.63	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.26%
41) Toluene-d8	7.37	98	877031	51.83	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.66%
43) trans-1,3-Dichloropropene-	7.67	79	131193	47.60	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.20%
47) 2-Hexanone-d5	8.14	63	201121	101.06	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	101.06%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	435081	51.78	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	103.56%
64) 1,2-Dichlorobenzene-d4	11.68	152	331889	47.45	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.90%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	279528	51.315	ug/L 100
3) Chloromethane	1.25	50	316393	48.154	ug/L 99
5) Vinyl chloride	1.32	62	285863	49.924	ug/L 100
6) Bromomethane	1.53	94	88601	47.761	ug/L 98
8) Chloroethane	1.60	64	172310	50.700	ug/L 99
9) Trichlorofluoromethane	1.77	101	369120	50.736	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	220995	50.093	ug/L 99
12) 1,1-Dichloroethene	2.14	96	210499	49.965	ug/L 97
13) Acetone	2.19	43	203986	77.501	ug/L 99
14) Carbon disulfide	2.32	76	621457	48.135	ug/L 100
15) Methyl Acetate	2.46	43	240394	51.230	ug/L 99
16) Methylene chloride	2.54	84	239013	50.038	ug/L 99
17) trans-1,2-Dichloroethene	2.79	96	228355	50.281	ug/L 98
18) Methyl tert-butyl Ether	2.81	73	683561	50.392	ug/L 99
19) 1,1-Dichloroethane	3.23	63	469945	50.759	ug/L 99
20) cis-1,2-Dichloroethene	3.97	96	267937	50.424	ug/L 97
22) 2-Butanone	4.04	43	382566	93.374	ug/L 98

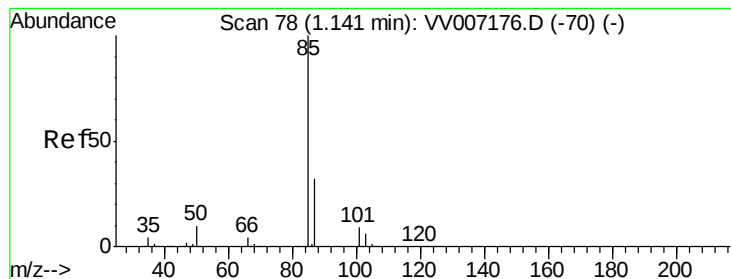
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV082418\
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.31	128	139094	51.206	ug/L	99
25) Chloroform	4.43	83	468136	51.521	ug/L	99
27) 1,2-Dichloroethane	5.19	62	357619	53.212	ug/L	98
29) Cyclohexane	4.73	56	371671	48.399	ug/L	100
30) 1,1,1-Trichloroethane	4.66	97	384055	49.514	ug/L	99
31) Carbon tetrachloride	4.88	117	335348	50.351	ug/L	99
33) Benzene	5.15	78	1067109	50.920	ug/L	100
34) Trichloroethene	5.96	95	248284	48.722	ug/L	97
35) Methylcyclohexane	6.18	83	384573	47.455	ug/L	97
37) 1,2-Dichloropropane	6.23	63	277752	49.822	ug/L	99
38) Bromodichloromethane	6.56	83	338907	49.988	ug/L	100
39) cis-1,3-Dichloropropene	7.08	75	369957	47.612	ug/L	99
40) 4-Methyl-2-pentanone	7.28	43	668845	102.326	ug/L	97
42) Toluene	7.44	91	1074997	52.916	ug/L	100
44) trans-1,3-Dichloropropene	7.70	75	349313	48.381	ug/L	99
45) 1,1,2-Trichloroethane	7.89	97	264259	51.186	ug/L	97
46) Tetrachloroethene	8.02	164	209217	49.785	ug/L	99
48) 2-Hexanone	8.19	43	556503	108.742	ug/L	98
49) Dibromochloromethane	8.30	129	270169	51.020	ug/L	99
50) 1,2-Dibromoethane	8.40	107	265616	51.206	ug/L	96
51) Chlorobenzene	8.93	112	692918	50.443	ug/L	99
52) Ethylbenzene	9.06	91	1090666	51.698	ug/L	100
53) m,p-Xylene	9.19	106	421848	52.662	ug/L	99
54) o-xylene	9.59	106	406599	52.737	ug/L	99
55) Styrene	9.61	104	743907	56.230	ug/L	98
56) Isopropylbenzene	9.98	105	1036927	52.580	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.29	83	432424	51.011	ug/L	100
59) 1,2,3-Trichloropropane	10.32	75	349982	51.348	ug/L	100
61) Bromoform	9.78	173	197239	48.726	ug/L	98
62) 1,3-Dichlorobenzene	11.23	146	483062	47.308	ug/L	100
63) 1,4-Dichlorobenzene	11.32	146	526484	47.920	ug/L	98
65) 1,2-Dichlorobenzene	11.70	146	538869	49.195	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	75452	48.757	ug/L	98
67) 1,3,5-Trichlorobenzene	12.70	180	367644	49.352	ug/L	99
68) 1,2,4-trichlorobenzene	13.32	180	276896	49.840	ug/L	98
69) Naphthalene	13.56	128	672868	44.519	ug/L	100
70) 1,2,3-Trichlorobenzene	13.80	180	315163	52.862	ug/L	97

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



#2

Dichlorodifluoromethane

Concen: 51.315 ug/L

RT: 1.14 min Scan# 77

Delta R.T. -0.00 min

Lab File: VV007193.D

Acq: 25 Aug 2018 01:35

Instrument :

MSVOA_V

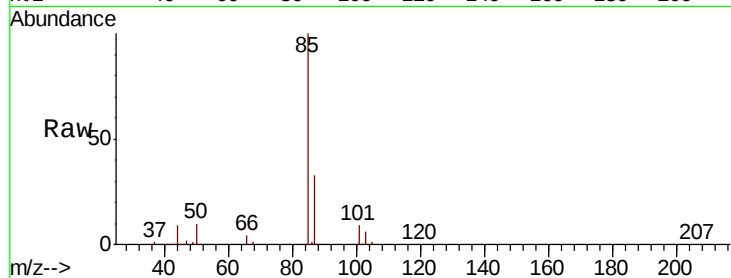
ClientSampleId :

Tot Ion: 85 Resp: 279528

Ion Ratio Lower Upper

85 100

87 32.6 26.1 39.1



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

Ion 87.00 (86.70 to 87.70): VV007176.D (-70) (-)

1.14

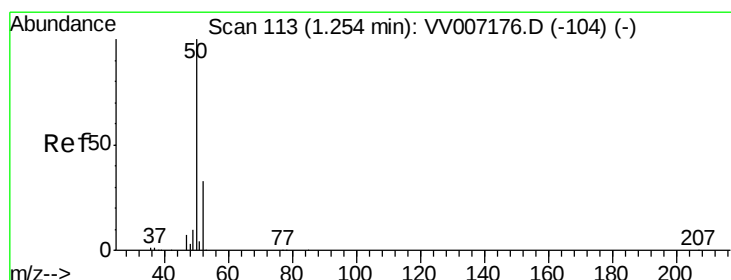
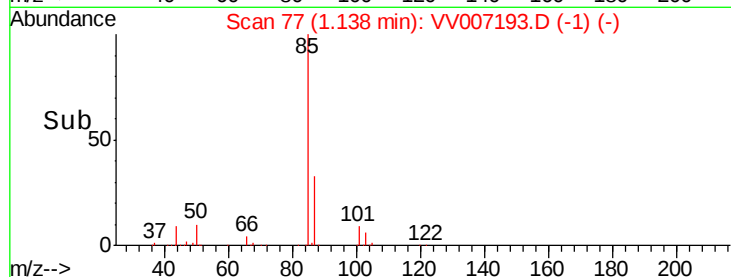
300000

200000

100000

0

Time-->



#3

Chloromethane

Concen: 48.154 ug/L

RT: 1.25 min Scan# 113

Delta R.T. 0.00 min

Lab File: VV007193.D

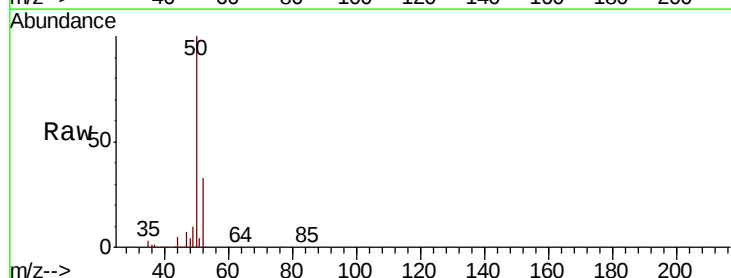
Acq: 25 Aug 2018 01:35

Tgt Ion: 50 Resp: 316393

Ion Ratio Lower Upper

50 100

52 33.4 23.0 42.8



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

Ion 52.00 (51.70 to 52.70): VV007176.D (-104) (-)

1.25

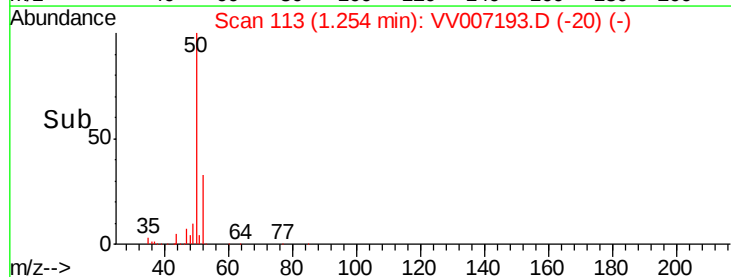
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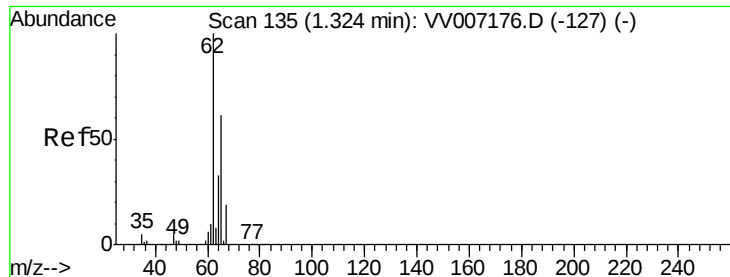
200000

100000

0

Time-->





#5

Vinyl chloride

Concen: 49.924 ug/L

RT: 1.32 min Scan# 135

Delta R.T. 0.00 min

Lab File: VV007193.D

Acq: 25 Aug 2018 01:35

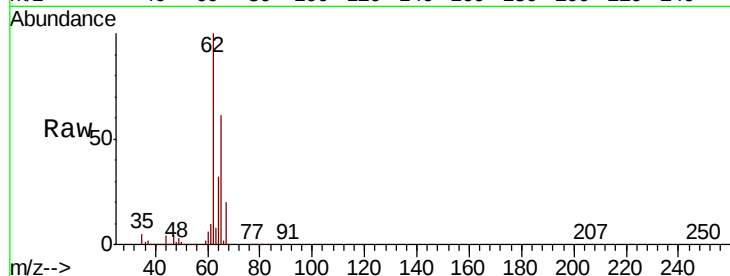
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 62 Resp: 285863

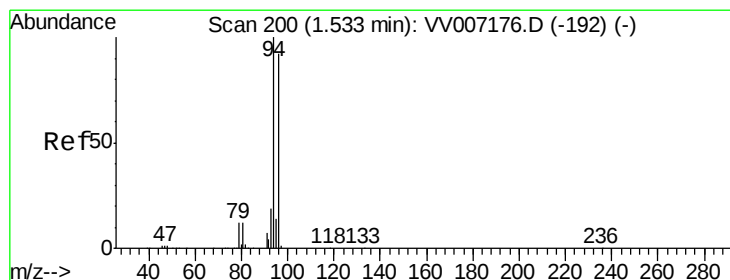
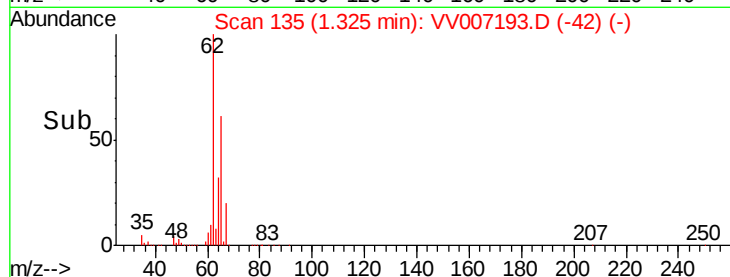
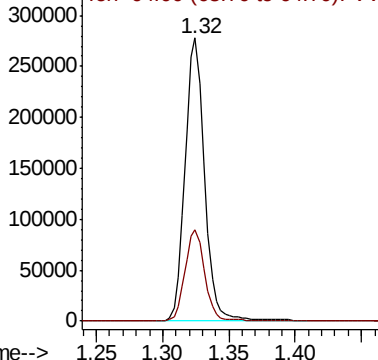
Ion Ratio Lower Upper

62 100

64 32.5 22.9 42.5



Abundance Ion 62.00 (61.70 to 62.70): VV0
Ion 64.00 (63.70 to 64.70): VV0



#6

Bromomethane

Concen: 47.761 ug/L

RT: 1.53 min Scan# 200

Delta R.T. 0.00 min

Lab File: VV007193.D

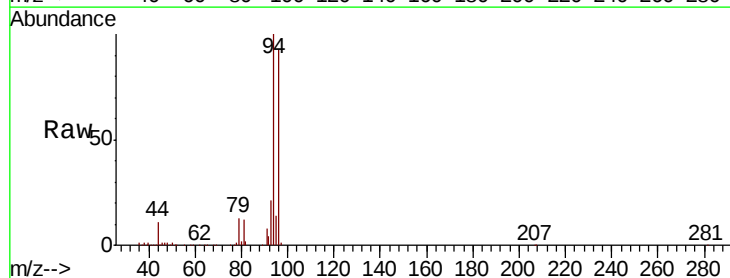
Acq: 25 Aug 2018 01:35

Tgt Ion: 94 Resp: 88601

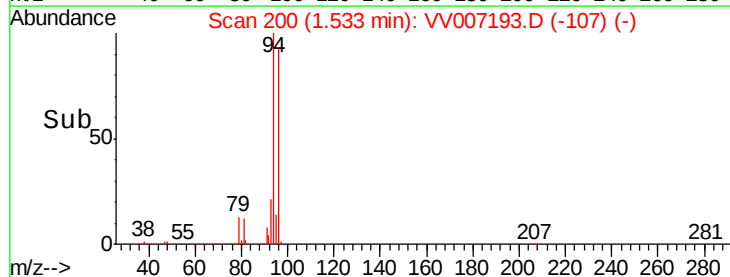
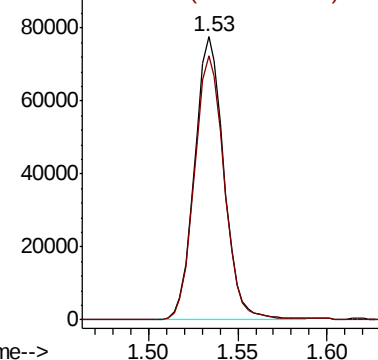
Ion Ratio Lower Upper

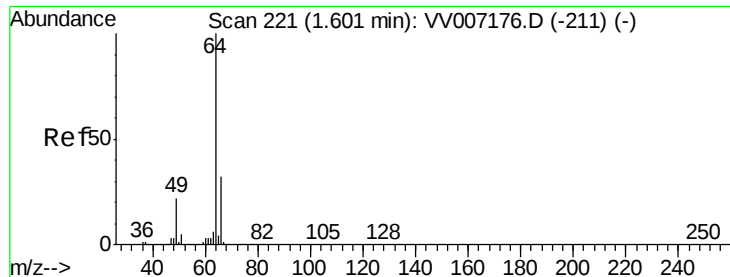
94 100

96 93.4 66.7 123.9



Abundance Ion 94.00 (93.70 to 94.70): VV0
Ion 96.00 (95.70 to 96.70): VV0

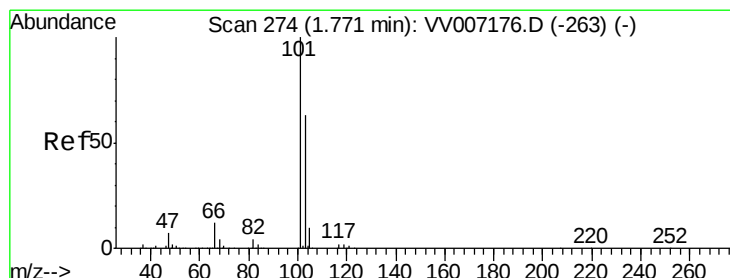
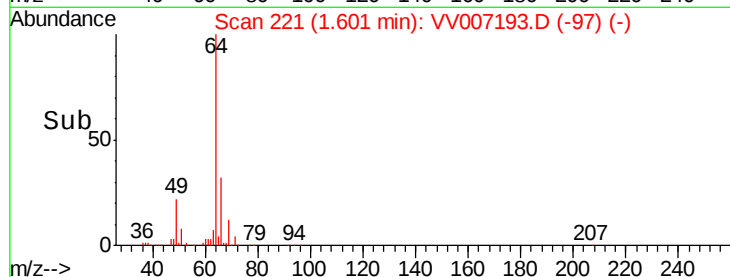
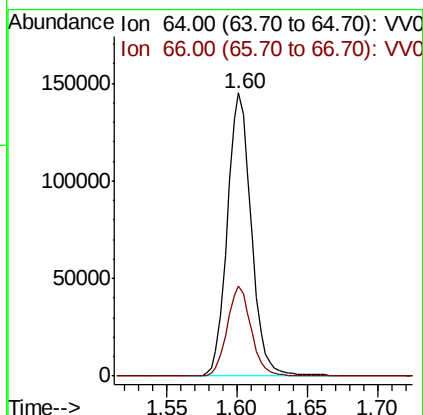
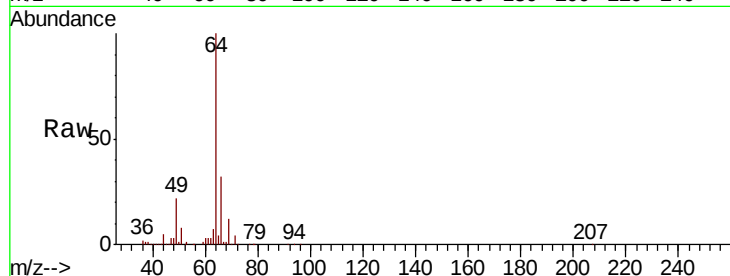




#8
Chloroethane
Concen: 50.700 ug/L
RT: 1.60 min Scan# 221
Delta R.T. 0.00 min
Lab File: VV007193.D
Acq: 25 Aug 2018 01:35

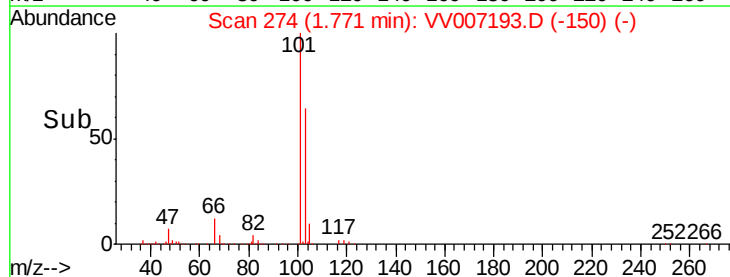
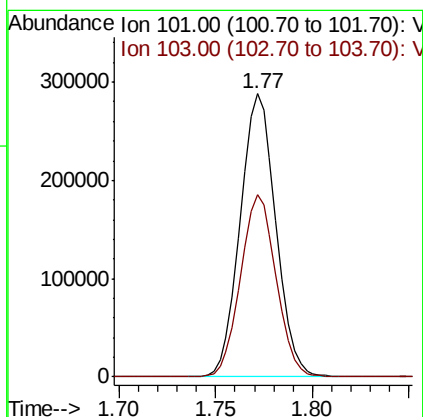
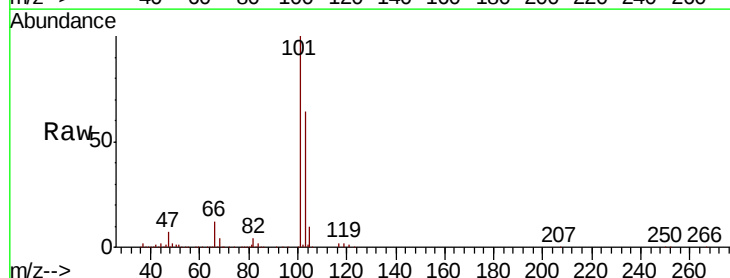
Instrument :
MSVOA_V
ClientSampleId :

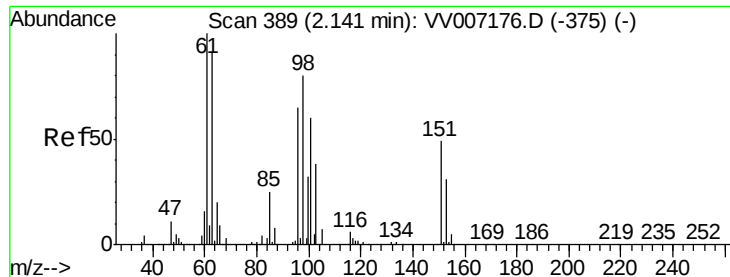
Tot Ion: 64 Resp: 172310
Ion Ratio Lower Upper
64 100
66 31.6 21.8 40.4



#9
Trichlorofluoromethane
Concen: 50.736 ug/L
RT: 1.77 min Scan# 274
Delta R.T. 0.00 min
Lab File: VV007193.D
Acq: 25 Aug 2018 01:35

Tgt Ion:101 Resp: 369120
Ion Ratio Lower Upper
101 100
103 64.2 51.2 76.8





#10

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

Concen: 50.093 ug/L

RT: 2.14 min Scan# 390

Delta R.T. 0.00 min

Lab File: VV007193.D

Acq: 25 Aug 2018 01:35

Instrument :

MSVOA_V

ClientSampleId :

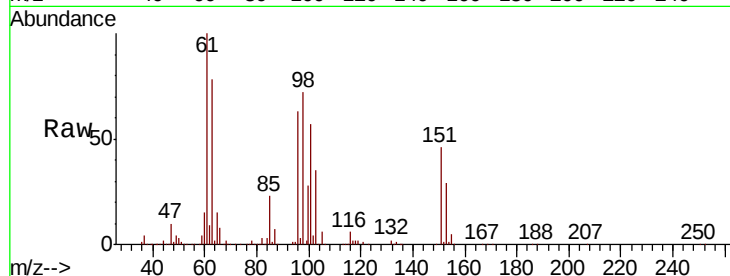
Tot Ion:101 Resp: 220995

Ion Ratio Lower Upper

101 100

85 40.8 31.8 47.8

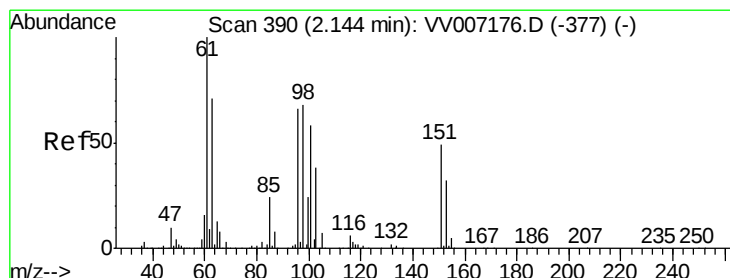
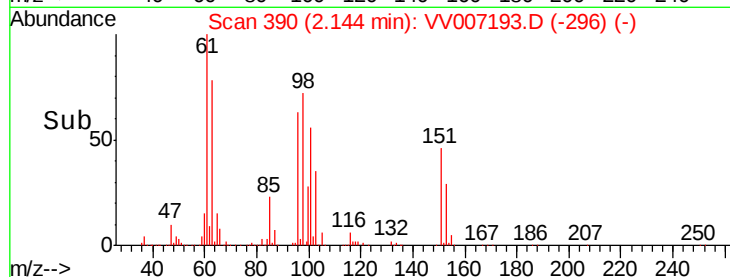
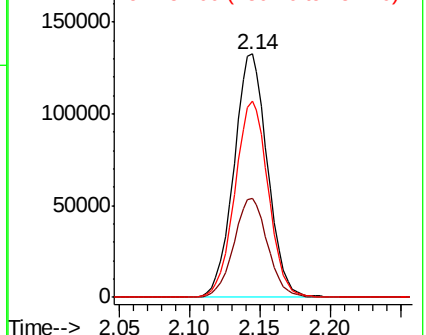
151 80.4 64.0 96.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 49.965 ug/L

RT: 2.14 min Scan# 390

Delta R.T. 0.00 min

Lab File: VV007193.D

Acq: 25 Aug 2018 01:35

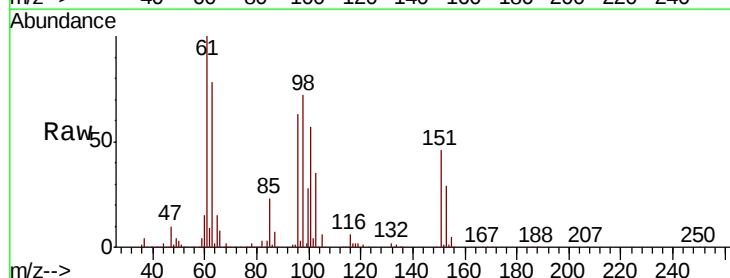
Tgt Ion: 96 Resp: 210499

Ion Ratio Lower Upper

96 100

61 158.5 108.5 201.5

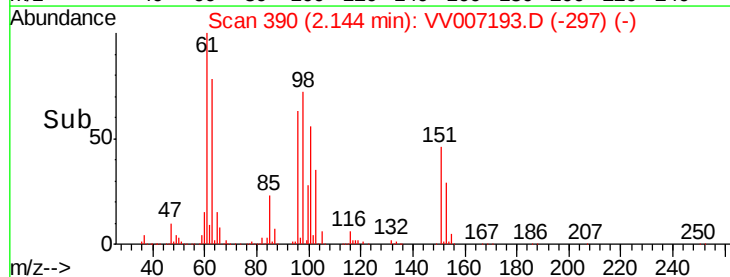
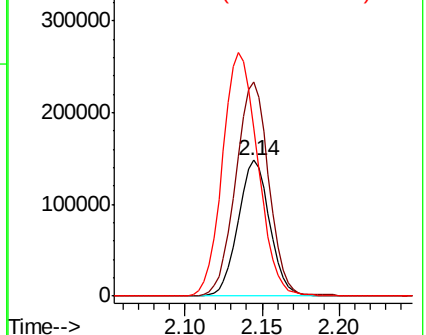
63 124.4 84.9 157.7

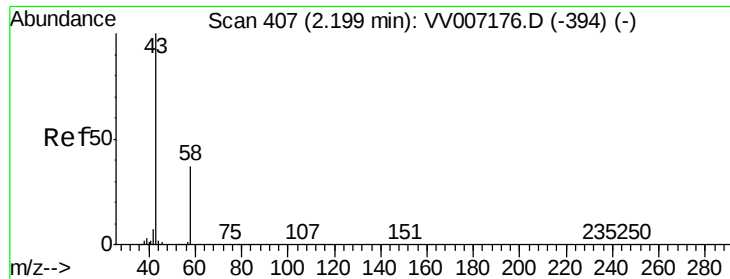


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0

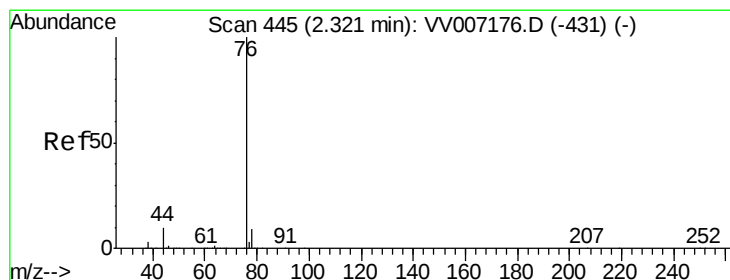
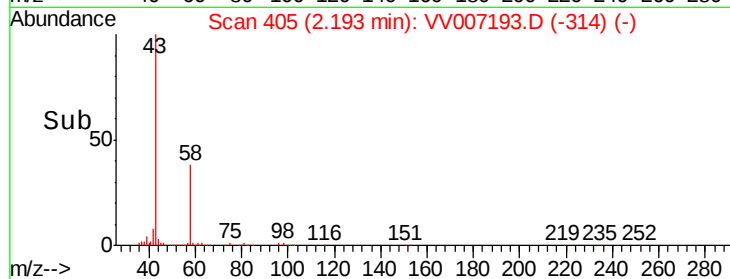
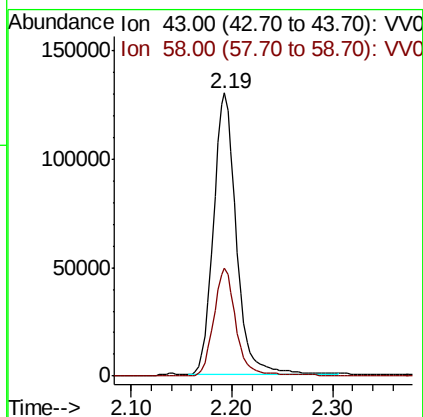
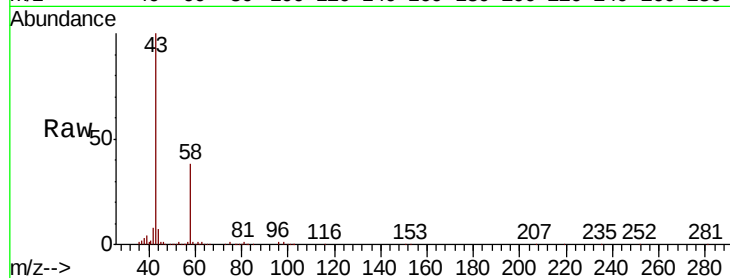




#13
Acetone
Concen: 77.501 ug/L
RT: 2.19 min Scan# 405
Delta R.T. -0.01 min
Lab File: VV007193.D
Acq: 25 Aug 2018 01:35

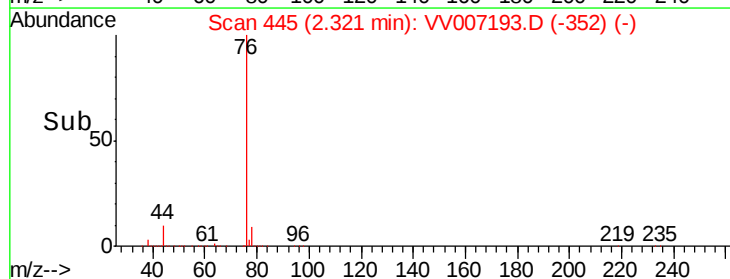
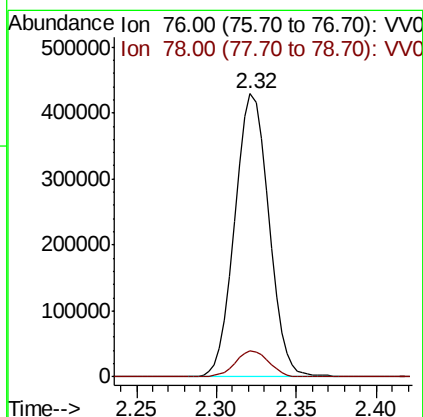
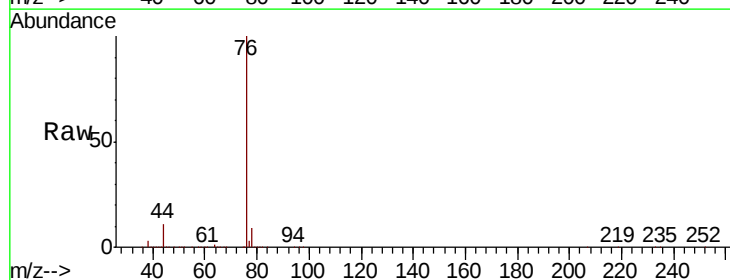
Instrument :
MSVOA_V
ClientSampled :

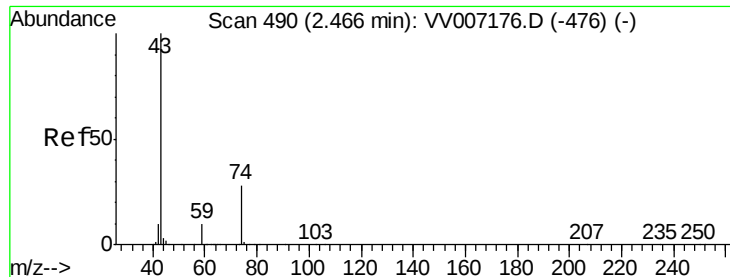
Tot Ion: 43 Resp: 203986
Ion Ratio Lower Upper
43 100
58 36.8 0.0 72.0



#14
Carbon disulfide
Concen: 48.135 ug/L
RT: 2.32 min Scan# 445
Delta R.T. 0.00 min
Lab File: VV007193.D
Acq: 25 Aug 2018 01:35

Tgt Ion: 76 Resp: 621457
Ion Ratio Lower Upper
76 100
78 9.2 7.4 11.0

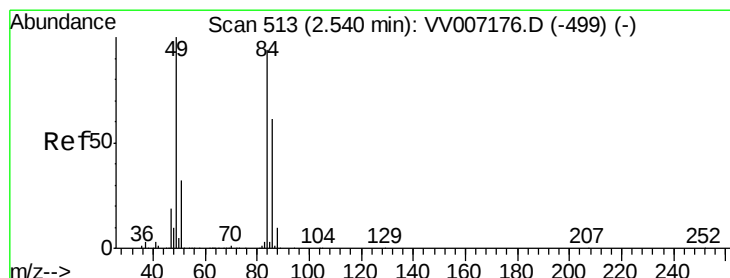
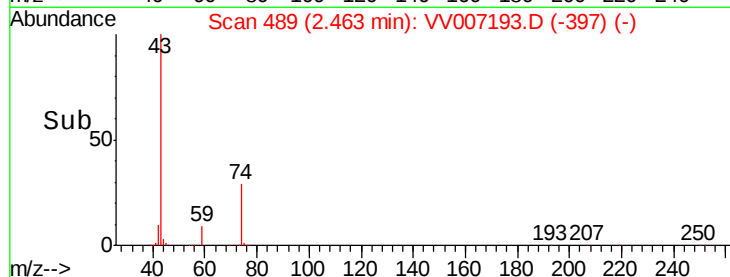
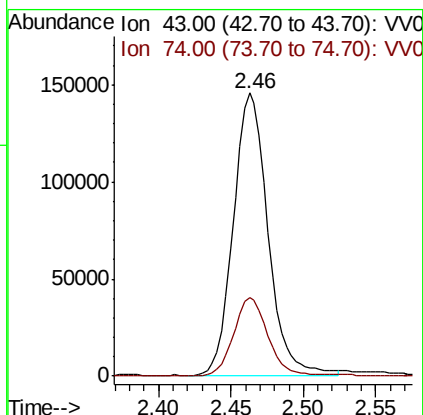
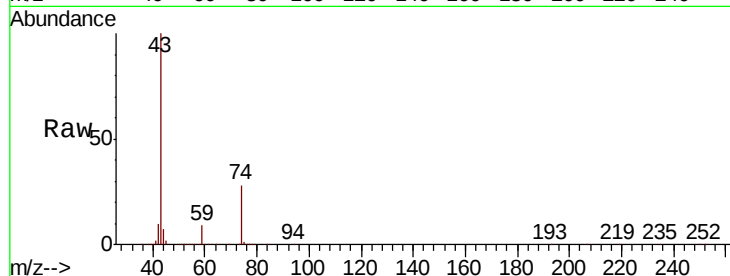




#15
Methyl Acetate
Concen: 51.230 ug/L
RT: 2.46 min Scan# 489
Delta R.T. -0.00 min
Lab File: VV007193.D
Acq: 25 Aug 2018 01:35

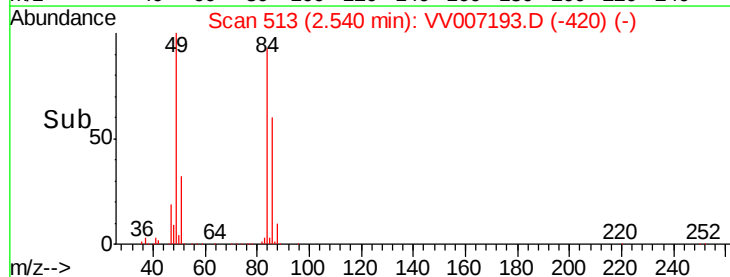
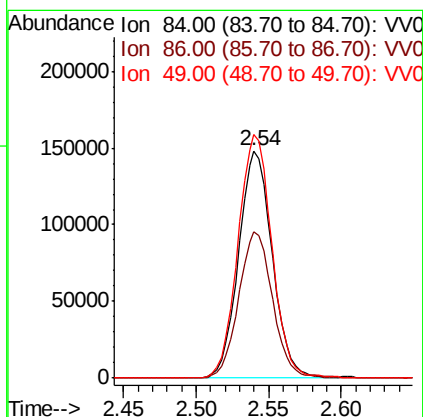
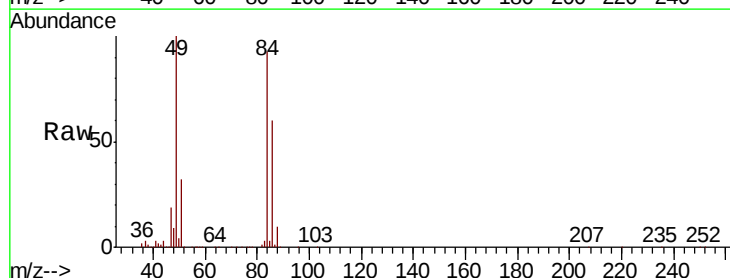
Instrument :
MSVOA_V
ClientSampleId :

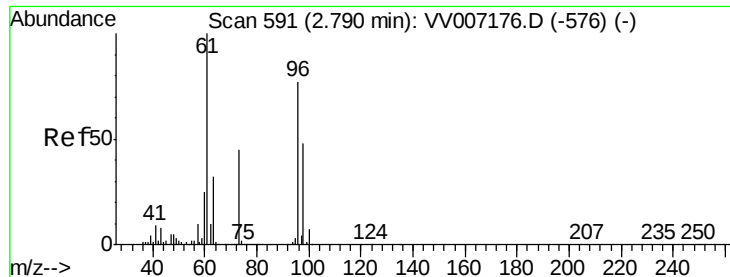
Tot Ion: 43 Resp: 240394
Ion Ratio Lower Upper
43 100
74 27.8 22.6 33.8



#16
Methylene chloride
Concen: 50.038 ug/L
RT: 2.54 min Scan# 513
Delta R.T. 0.00 min
Lab File: VV007193.D
Acq: 25 Aug 2018 01:35

Tgt Ion: 84 Resp: 239013
Ion Ratio Lower Upper
84 100
86 64.5 44.9 83.3
49 107.2 74.5 138.3





#17

trans-1,2-Dichloroethene

Concen: 50.281 ug/L

RT: 2.79 min Scan# 592

Delta R.T. 0.00 min

Lab File: VV007193.D

Acq: 25 Aug 2018 01:35

Instrument :
MSVOA_V
ClientSampleId :

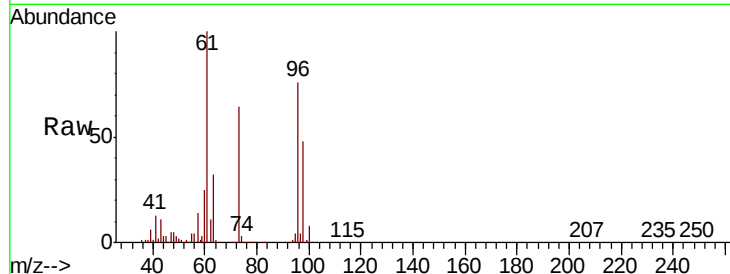
Tot Ion: 96 Resp: 228355

Ion Ratio Lower Upper

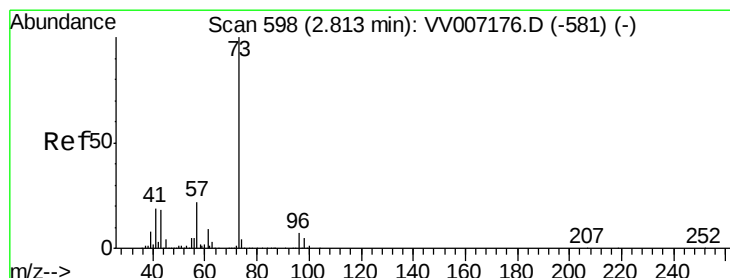
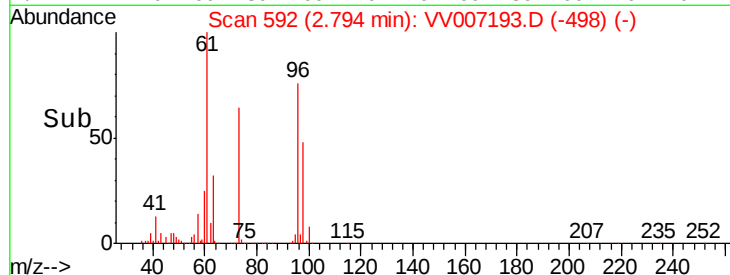
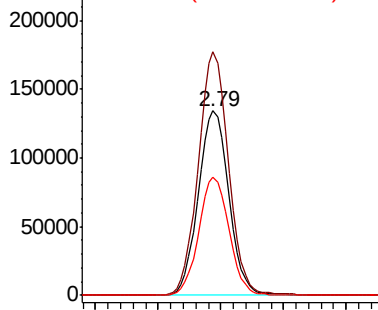
96 100

61 132.2 90.6 168.2

98 63.9 43.8 81.3



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



#18

Methyl tert-butyl Ether

Concen: 50.392 ug/L

RT: 2.81 min Scan# 598

Delta R.T. 0.00 min

Lab File: VV007193.D

Acq: 25 Aug 2018 01:35

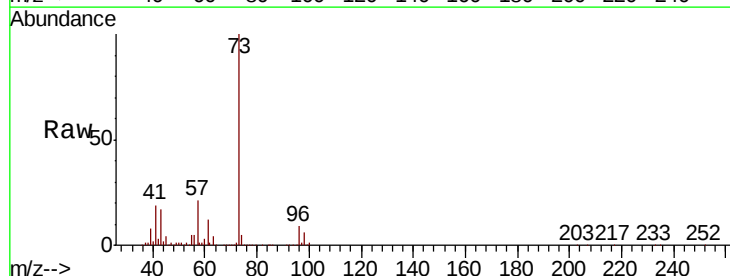
Tgt Ion: 73 Resp: 683561

Ion Ratio Lower Upper

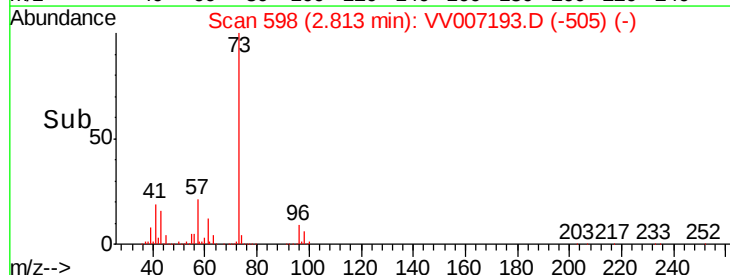
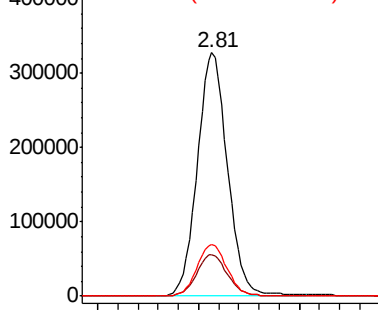
73 100

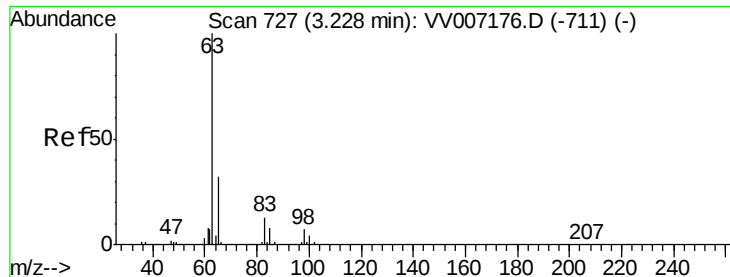
43 16.9 13.7 20.5

57 21.3 16.8 25.2



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





#19

1,1-Dichloroethane

Concen: 50.759 ug/L

RT: 3.23 min Scan# 728

Delta R.T. 0.00 min

Lab File: VV007193.D

Acq: 25 Aug 2018 01:35

Instrument :

MSVOA_V

ClientSampleId :

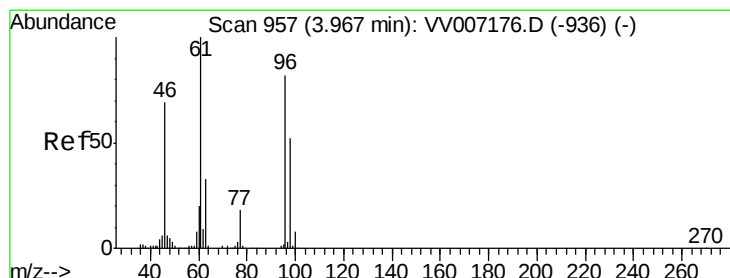
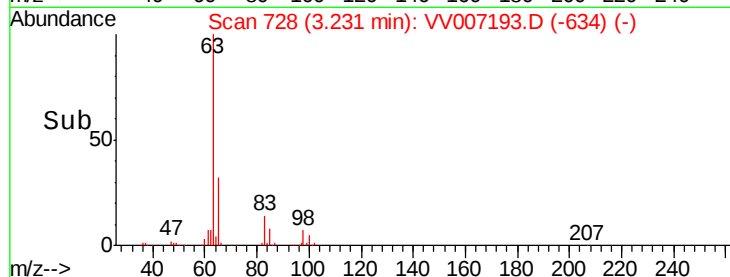
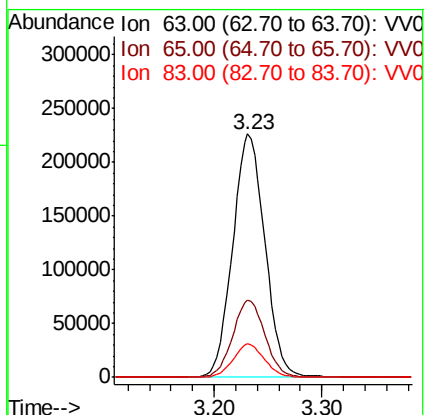
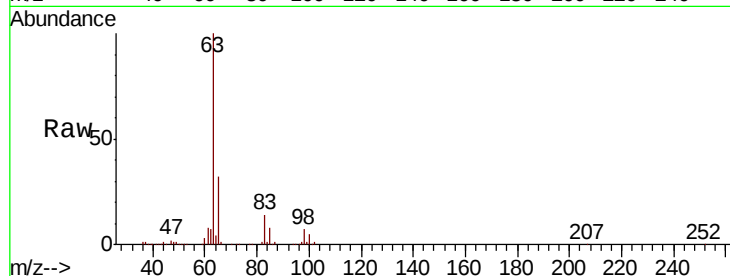
Tot Ion: 63 Resp: 469945

Ion Ratio Lower Upper

63 100

65 31.8 21.8 40.4

83 13.6 9.1 16.9



#20

cis-1,2-Dichloroethene

Concen: 50.424 ug/L

RT: 3.97 min Scan# 957

Delta R.T. 0.00 min

Lab File: VV007193.D

Acq: 25 Aug 2018 01:35

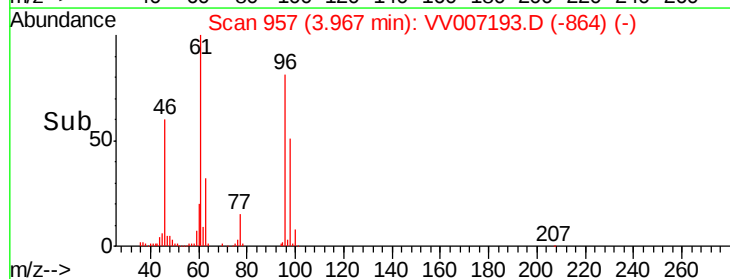
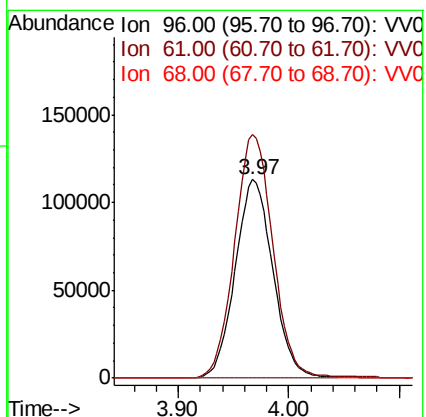
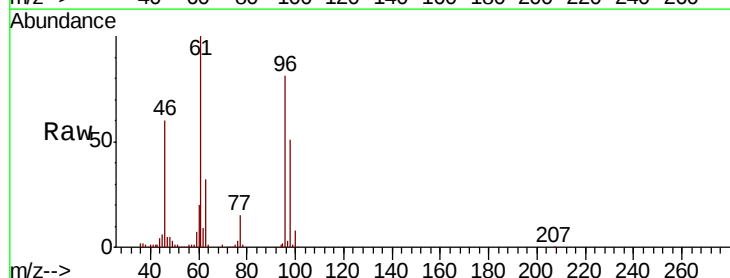
Tgt Ion: 96 Resp: 267937

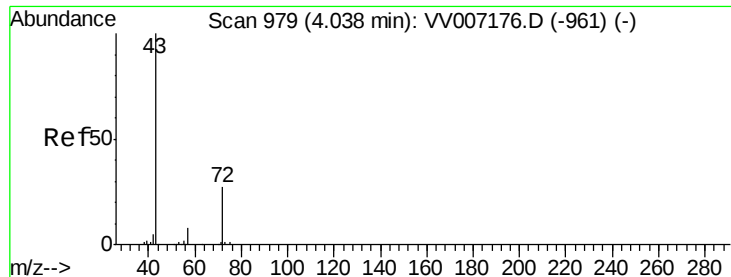
Ion Ratio Lower Upper

96 100

61 122.8 88.2 163.8

68 0.0 0.0 0.0





#22

2-Butanone

Concen: 93.374 ug/L

RT: 4.04 min Scan# 978

Delta R.T. -0.00 min

Lab File: VV007193.D

Acq: 25 Aug 2018 01:35

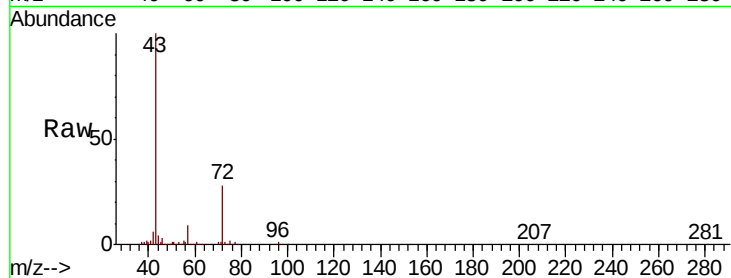
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 382566

Ion Ratio Lower Upper

43 100

72 27.5 13.4 40.1



Abundance Ion 43.00 (42.70 to 43.70): VV007176.D (-961) (-)

Ion 72.00 (71.70 to 72.70): VV007176.D (-961) (-)

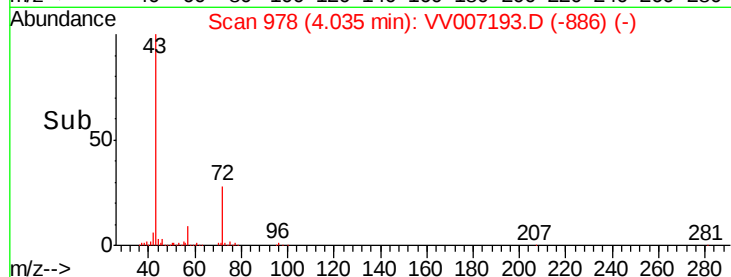
150000

100000

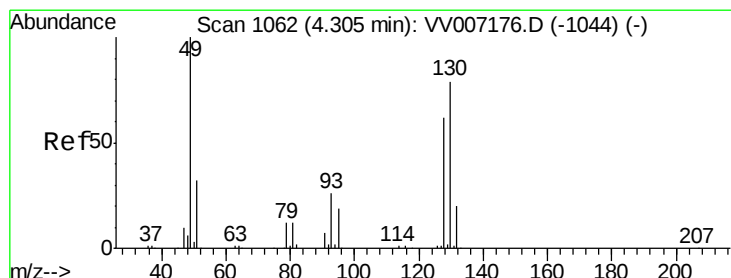
50000

0

Time-->



Time-->



#23

Bromochloromethane

Concen: 51.206 ug/L

RT: 4.31 min Scan# 1062

Delta R.T. 0.00 min

Lab File: VV007193.D

Acq: 25 Aug 2018 01:35

Tgt Ion: 128 Resp: 139094

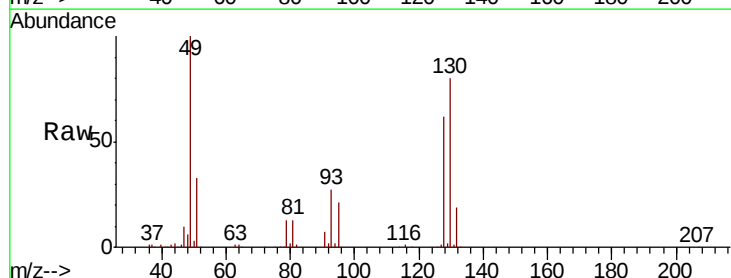
Ion Ratio Lower Upper

128 100

49 161.6 112.5 208.9

130 129.9 90.6 168.2

51 52.7 40.7 61.1



Abundance Ion 128.00 (127.70 to 128.70): VV007193.D (-969) (-)

Ion 49.00 (48.70 to 49.70): VV007193.D (-969) (-)

Ion 130.00 (129.70 to 130.70): VV007193.D (-969) (-)

Ion 51.00 (50.70 to 51.70): VV007193.D (-969) (-)

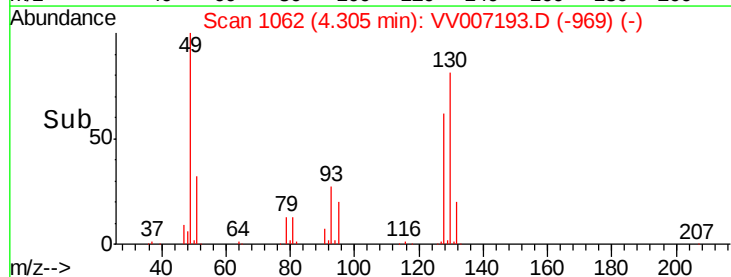
150000

100000

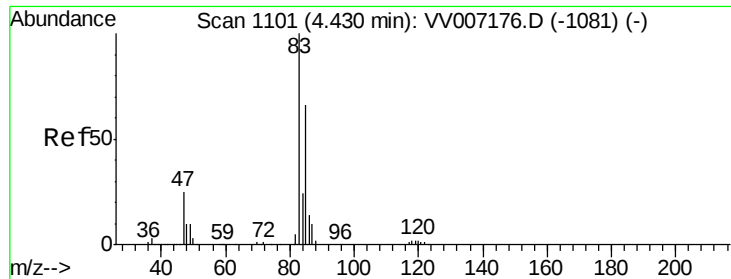
50000

0

Time-->



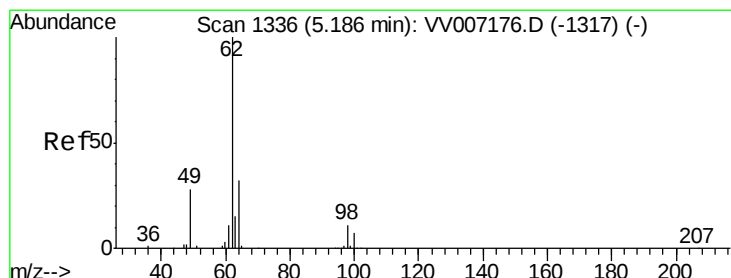
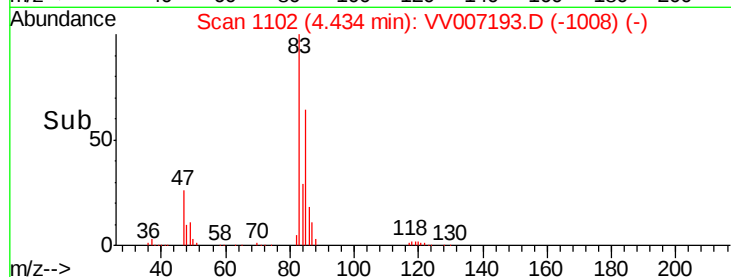
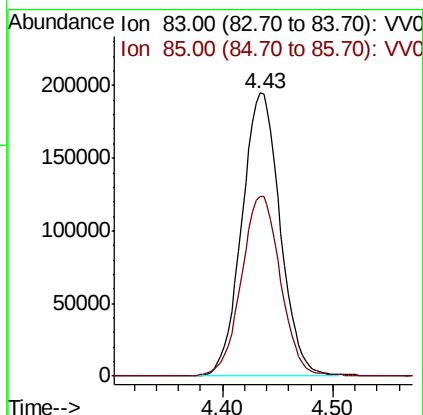
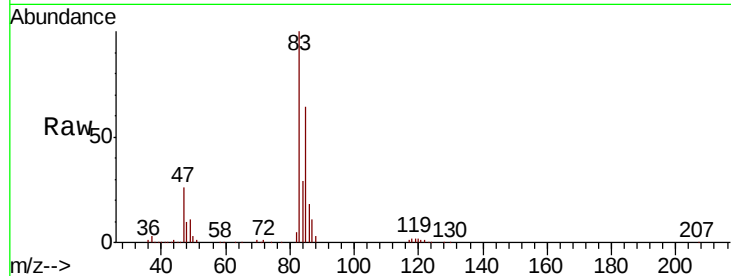
Time-->



#25
Chloroform
Concen: 51.521 ug/L
RT: 4.43 min Scan# 1102
Delta R.T. 0.00 min
Lab File: VV007193.D
Acq: 25 Aug 2018 01:35

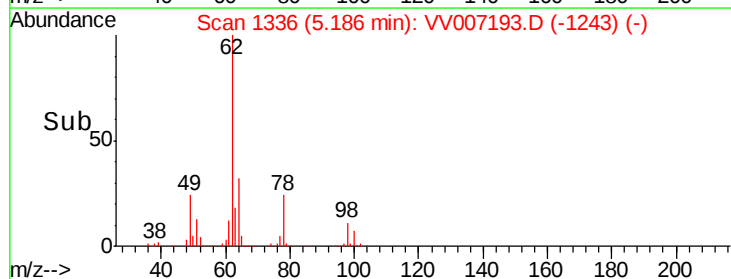
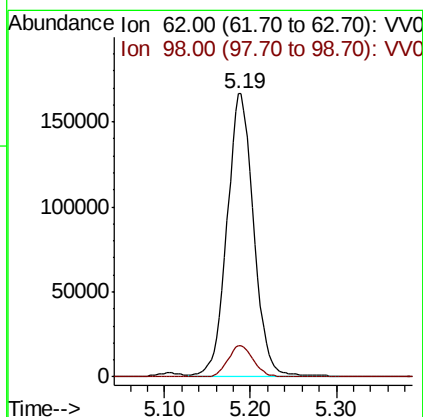
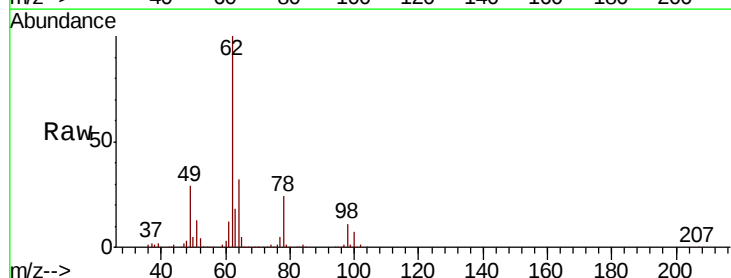
Instrument :
MSVOA_V
ClientSampled :

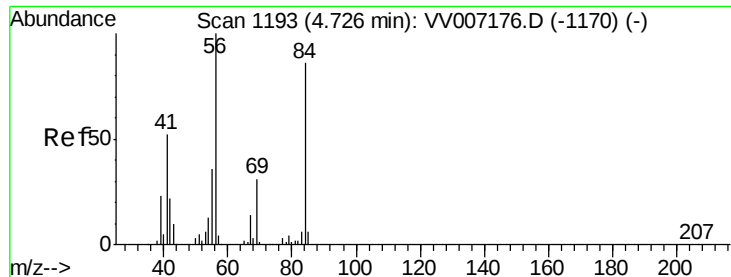
Tot Ion: 83 Resp: 468136
Ion Ratio Lower Upper
83 100
85 63.7 45.2 84.0



#27
1,2-Dichloroethane
Concen: 53.212 ug/L
RT: 5.19 min Scan# 1336
Delta R.T. 0.00 min
Lab File: VV007193.D
Acq: 25 Aug 2018 01:35

Tgt Ion: 62 Resp: 357619
Ion Ratio Lower Upper
62 100
98 11.2 8.3 12.5

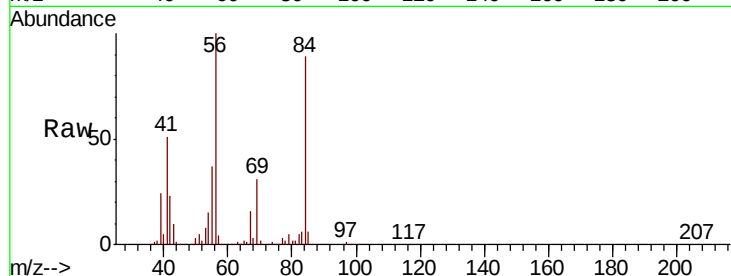




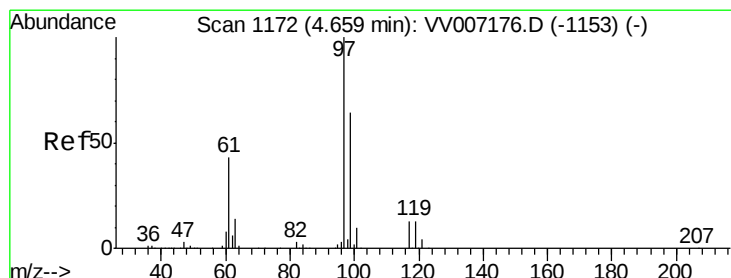
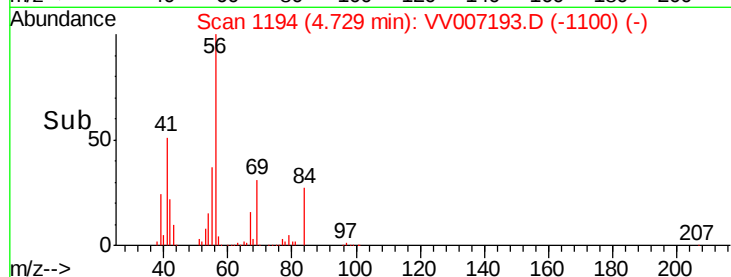
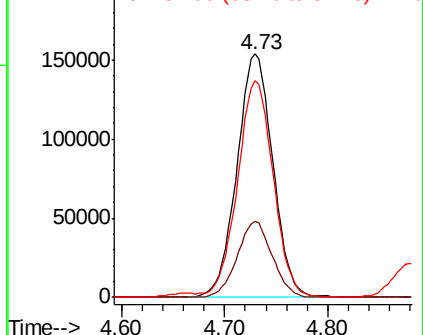
#29
Cyclohexane
Concen: 48.399 ug/L
RT: 4.73 min Scan# 1194
Delta R.T. 0.00 min
Lab File: VV007193.D
Acq: 25 Aug 2018 01:35

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 56 Resp: 371671
Ion Ratio Lower Upper
56 100
69 30.5 24.6 36.8
84 88.8 70.8 106.2

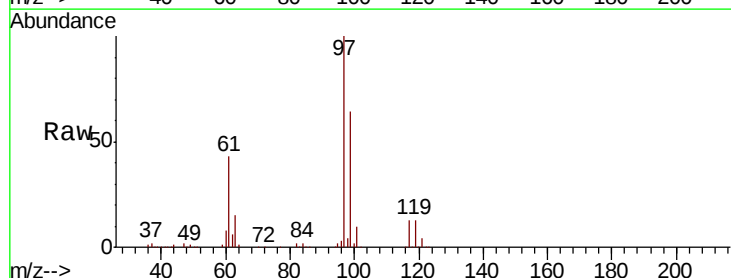


Abundance Ion 56.00 (55.70 to 56.70): VV0
Ion 69.00 (68.70 to 69.70): VV0
Ion 84.00 (83.70 to 84.70): VV0

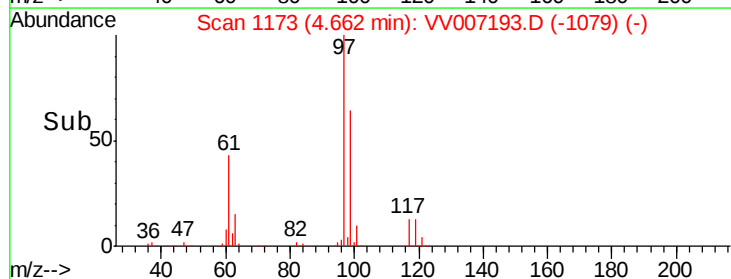
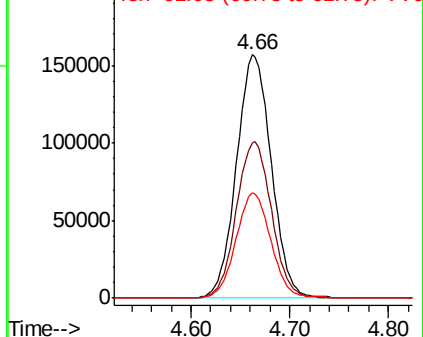


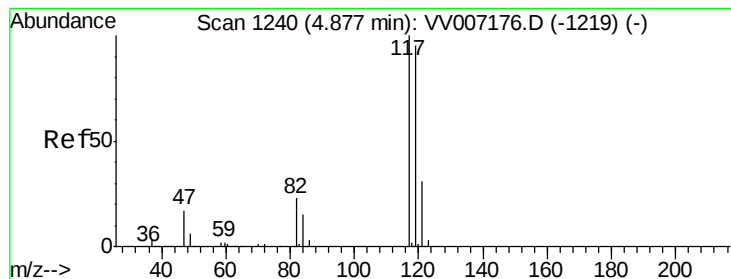
#30
1,1,1-Trichloroethane
Concen: 49.514 ug/L
RT: 4.66 min Scan# 1173
Delta R.T. 0.00 min
Lab File: VV007193.D
Acq: 25 Aug 2018 01:35

Tgt Ion: 97 Resp: 384055
Ion Ratio Lower Upper
97 100
99 65.0 51.6 77.4
61 43.6 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: 50.351 ug/L

RT: 4.88 min Scan# 1241

Delta R.T. 0.00 min

Lab File: VV007193.D

Acq: 25 Aug 2018 01:35

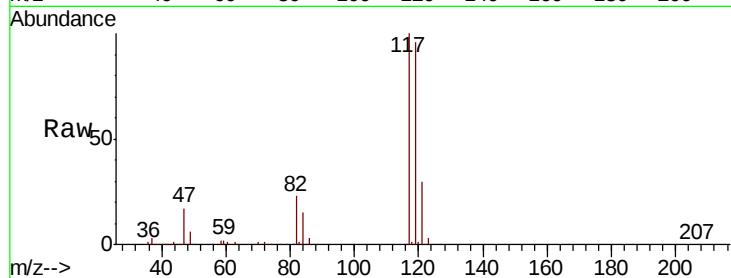
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:117 Resp: 335348

Ion Ratio Lower Upper

117 100

119 95.2 76.9 115.3



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

150000

100000

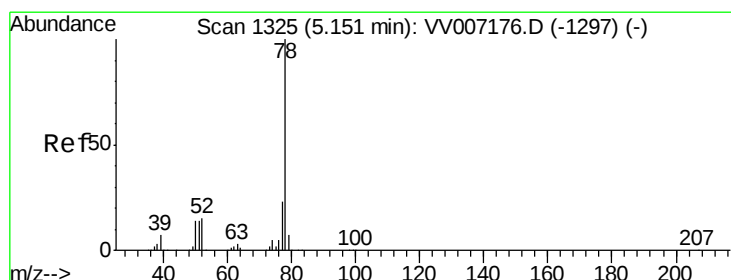
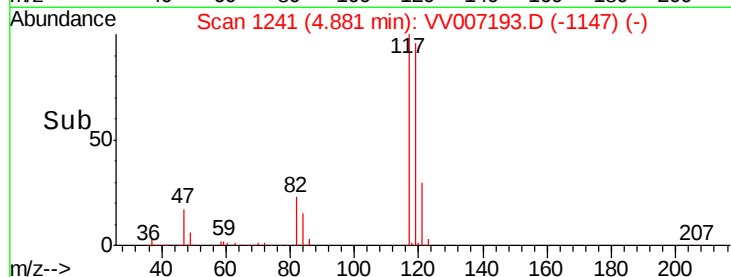
50000

0

4.88

4.80 4.90 5.00

Time-->



#33

Benzene

Concen: 50.920 ug/L

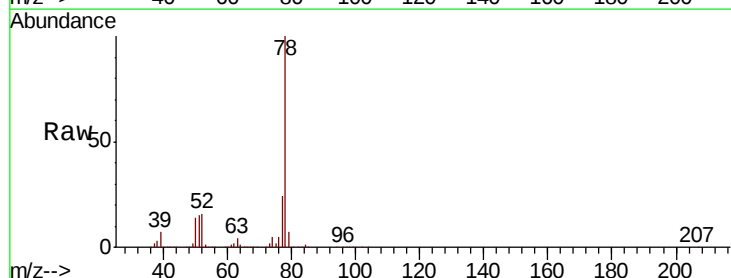
RT: 5.15 min Scan# 1326

Delta R.T. 0.00 min

Lab File: VV007193.D

Acq: 25 Aug 2018 01:35

Tgt Ion: 78 Resp: 1067109



Abundance Ion 78.00 (77.70 to 78.70): VV0

500000

400000

300000

200000

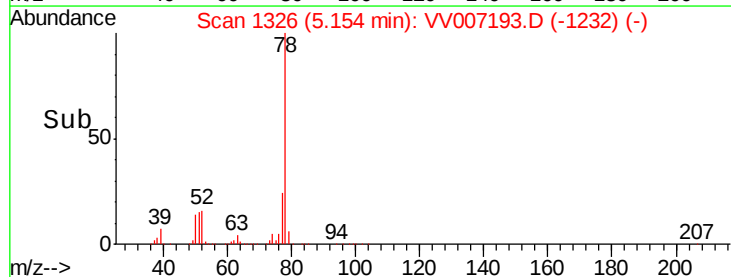
100000

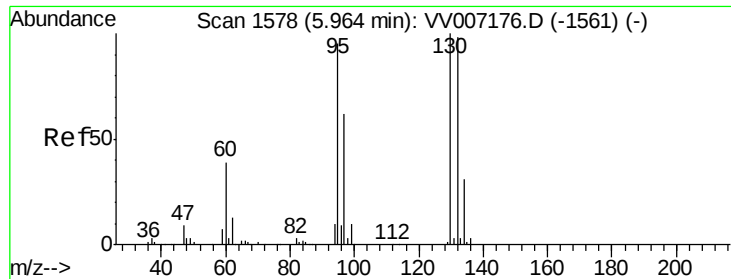
0

5.15

5.00 5.10 5.20 5.30

Time-->

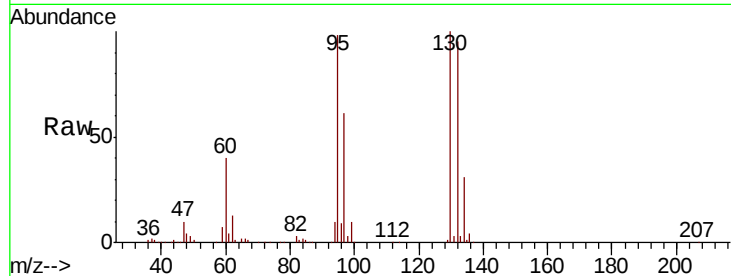




#34
 Trichloroethene
 Concen: 48.722 ug/L
 RT: 5.96 min Scan# 1578
 Delta R.T. 0.00 min
 Lab File: VV007193.D
 Acq: 25 Aug 2018 01:35

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:	95	Resp:	248284
Ion	Ratio	Lower	Upper
95	100		
97	62.0	45.4	84.2
132	97.0	70.8	131.4
130	102.1	71.7	133.3



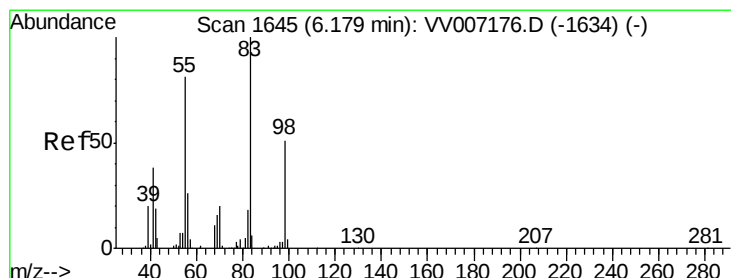
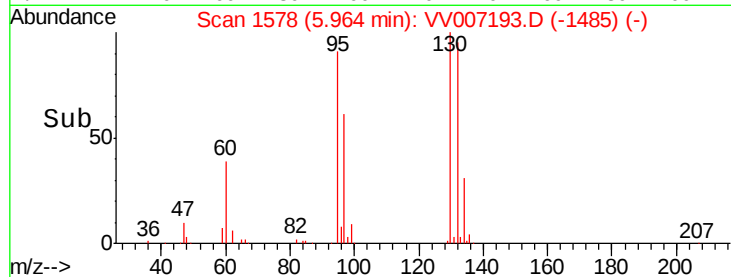
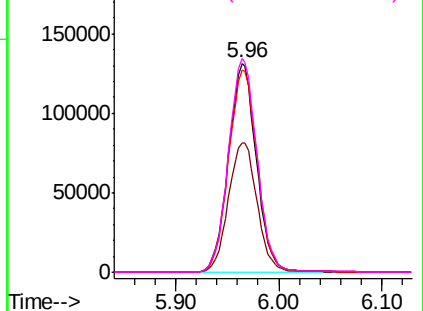
Abundance

Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

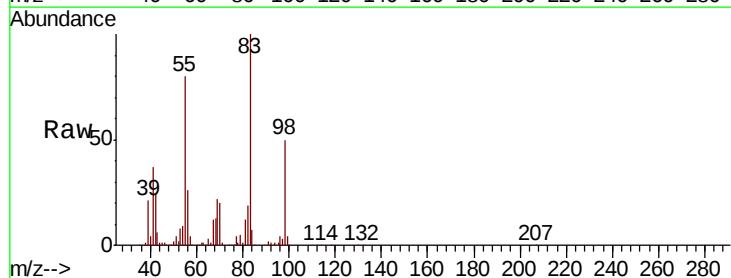
Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#35
 Methylcyclohexane
 Concen: 47.455 ug/L
 RT: 6.18 min Scan# 1646
 Delta R.T. 0.00 min
 Lab File: VV007193.D
 Acq: 25 Aug 2018 01:35

Tgt Ion:	83	Resp:	384573
Ion	Ratio	Lower	Upper
83	100		
55	80.2	62.2	93.2
98	49.8	37.9	56.9

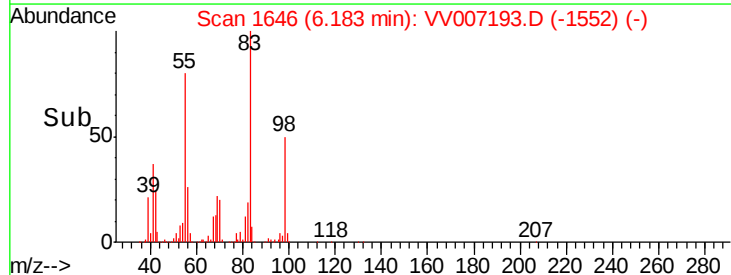
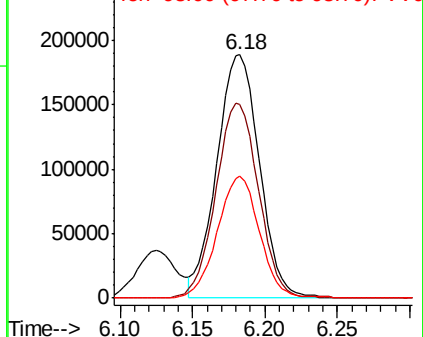


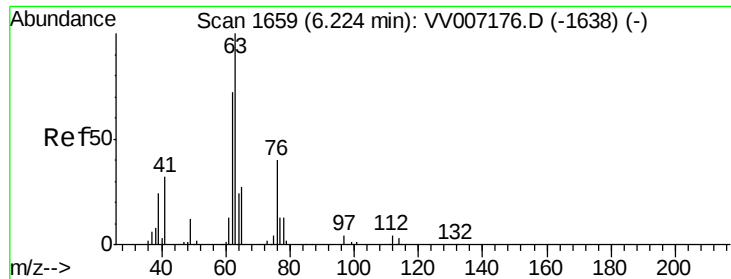
Abundance

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

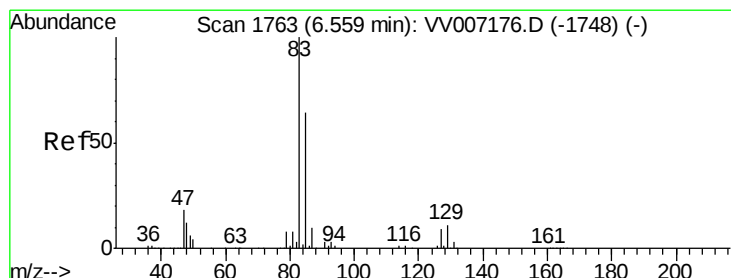
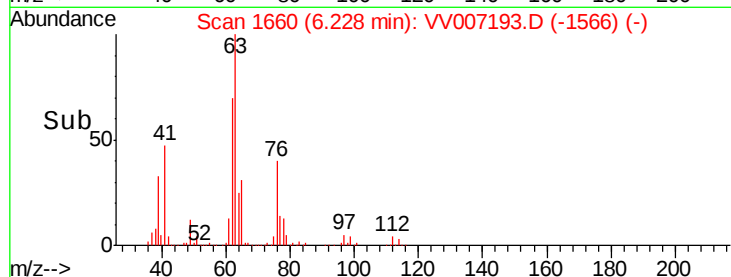
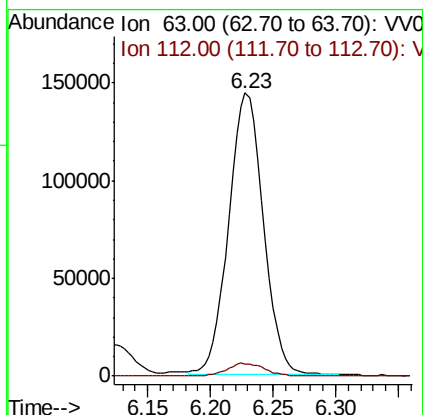
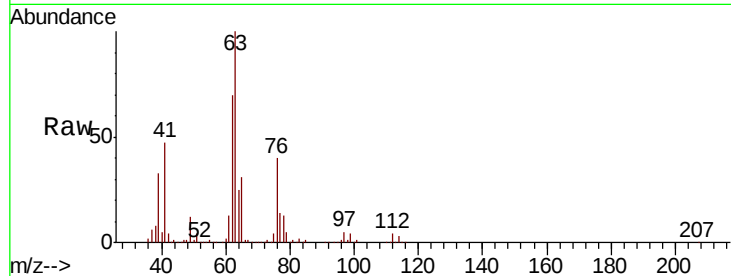




#37
 1,2-Dichloropropane
 Concen: 49.822 ug/L
 RT: 6.23 min Scan# 1660
 Delta R.T. 0.00 min
 Lab File: VV007193.D
 Acq: 25 Aug 2018 01:35

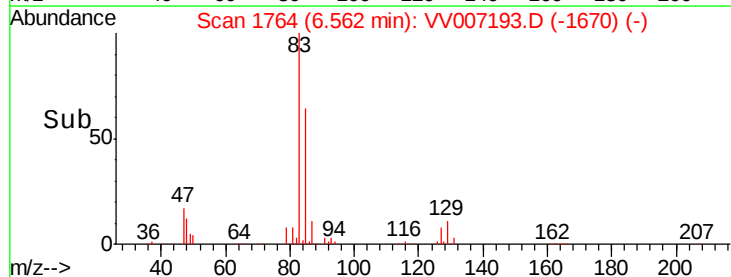
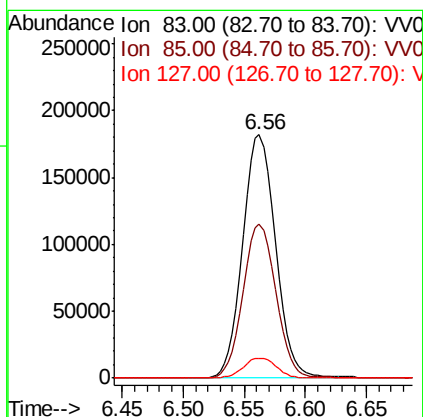
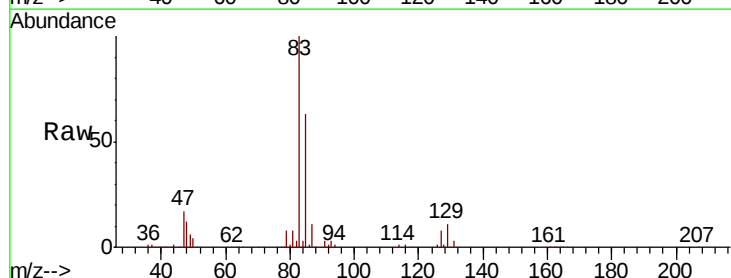
Instrument :
 MSVOA_V
 ClientSampleId :

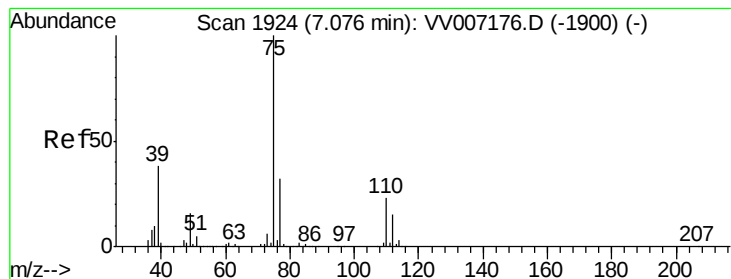
Tot Ion: 63 Resp: 277752
 Ion Ratio Lower Upper
 63 100
 112 4.7 3.6 5.4



#38
 Bromodichloromethane
 Concen: 49.988 ug/L
 RT: 6.56 min Scan# 1764
 Delta R.T. 0.00 min
 Lab File: VV007193.D
 Acq: 25 Aug 2018 01:35

Tgt Ion: 83 Resp: 338907
 Ion Ratio Lower Upper
 83 100
 85 63.3 44.1 81.9
 127 8.2 6.6 10.0



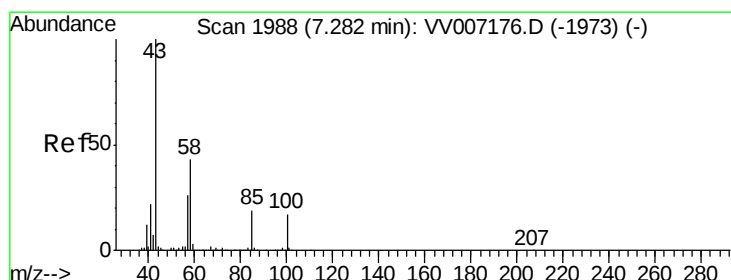
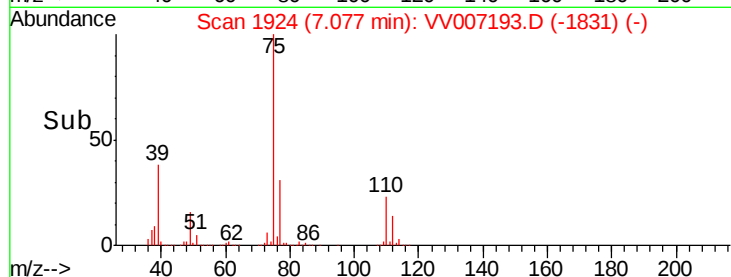
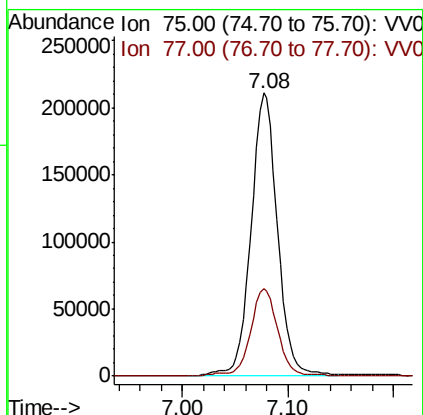
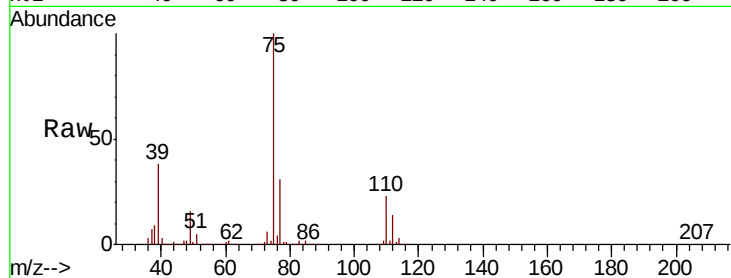


#39

cis-1,3-Dichloropropene
Concen: 47.612 ug/L
RT: 7.08 min Scan# 1924
Delta R.T. 0.00 min
Lab File: VV007193.D
Acq: 25 Aug 2018 01:35

Instrument :
MSVOA_V
ClientSampleId :

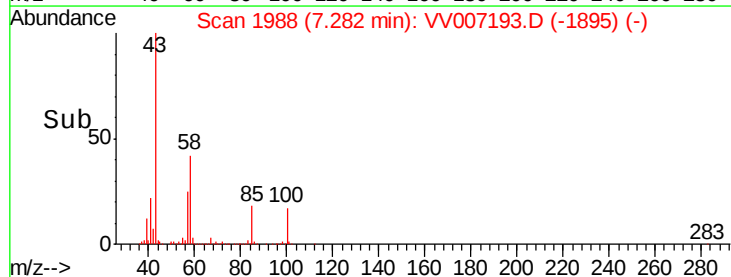
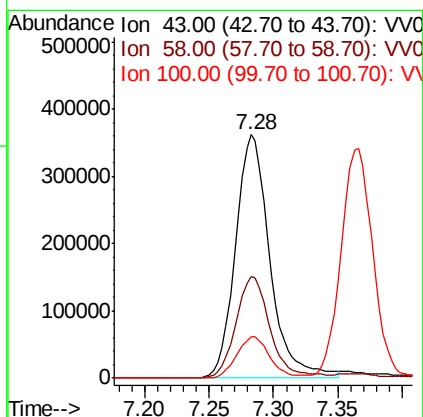
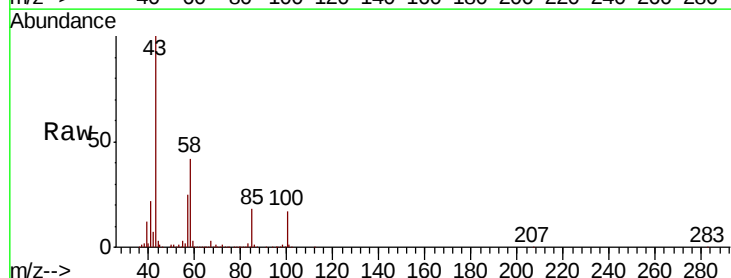
Tot Ion: 75 Resp: 369957
Ion Ratio Lower Upper
75 100
77 31.1 22.2 41.2

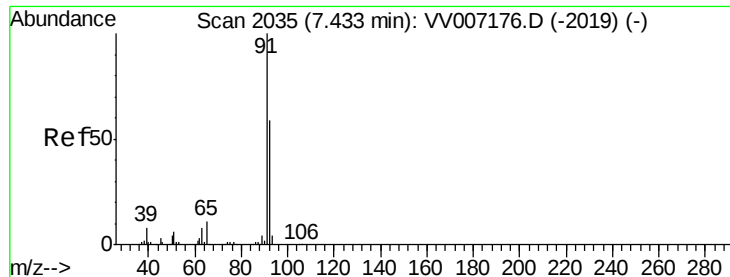


#40

4-Methyl-2-pentanone
Concen: 102.326 ug/L
RT: 7.28 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VV007193.D
Acq: 25 Aug 2018 01:35

Tgt Ion: 43 Resp: 668845
Ion Ratio Lower Upper
43 100
58 41.6 31.5 47.3
100 16.5 12.6 18.8





#42

Toluene

Concen: 52.916 ug/L

RT: 7.44 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VV007193.D

Acq: 25 Aug 2018 01:35

Instrument :

MSVOA_V

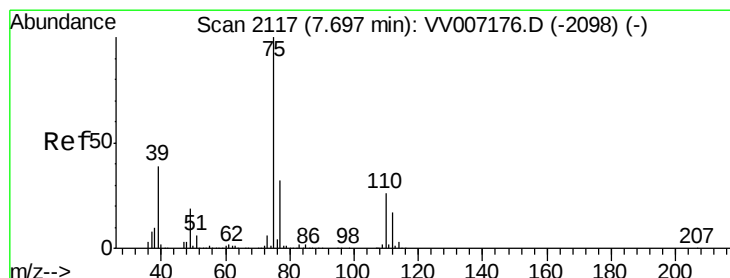
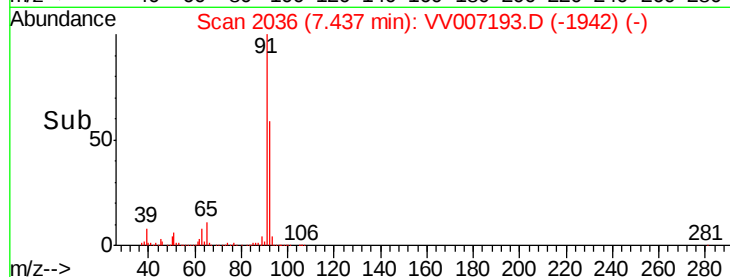
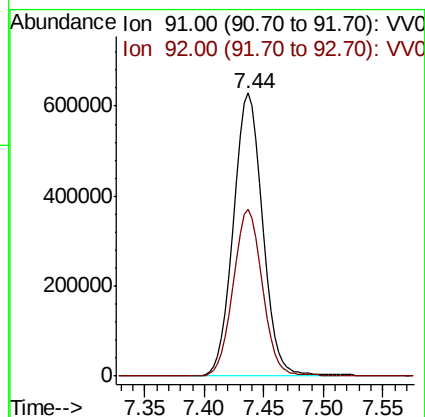
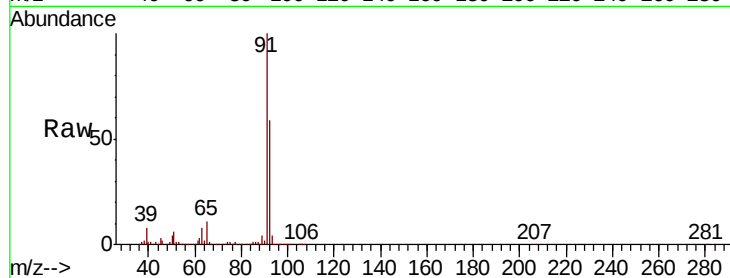
ClientSampleId :

Tot Ion: 91 Resp: 1074997

Ion Ratio Lower Upper

91 100

92 58.9 41.2 76.6



#44

trans-1,3-Dichloropropene

Concen: 48.381 ug/L

RT: 7.70 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VV007193.D

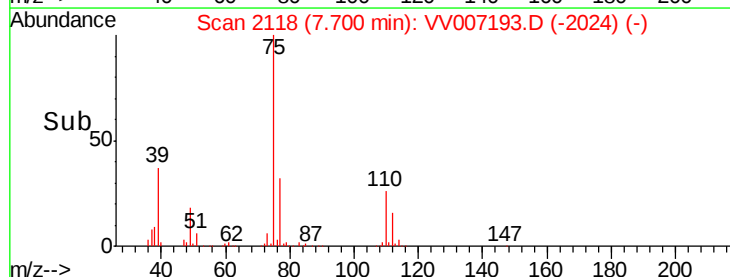
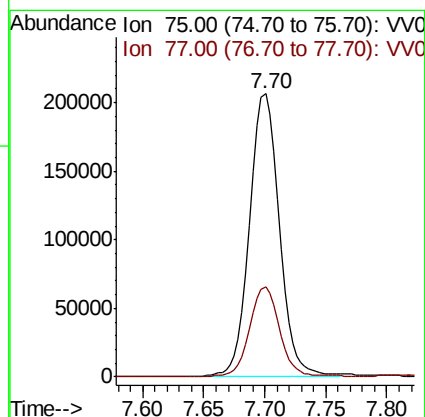
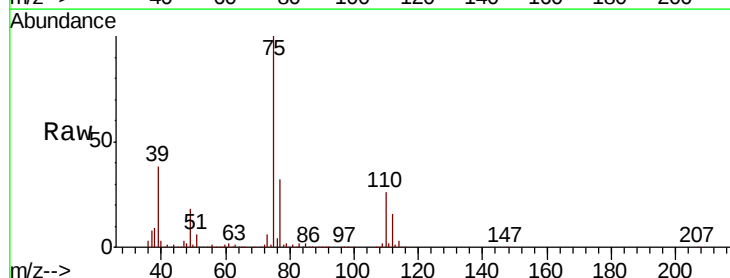
Acq: 25 Aug 2018 01:35

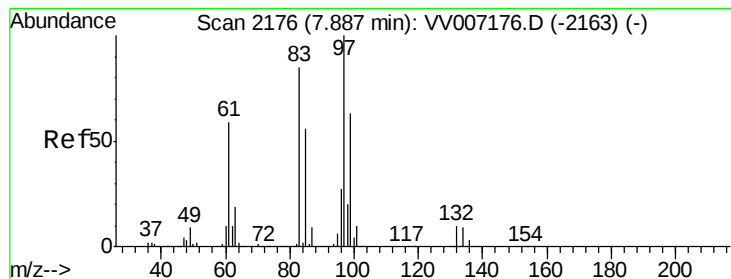
Tgt Ion: 75 Resp: 349313

Ion Ratio Lower Upper

75 100

77 31.8 22.6 42.0





#45

1,1,2-Trichloroethane

Concen: 51.186 ug/L

RT: 7.89 min Scan# 2177

Delta R.T. 0.00 min

Lab File: VV007193.D

Acq: 25 Aug 2018 01:35

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion: 97 Resp: 264259

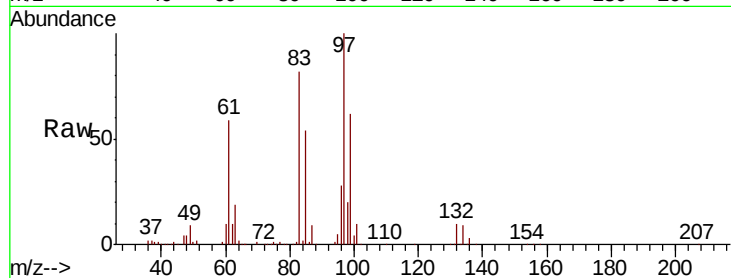
Ion Ratio Lower Upper

97 100

99 62.1 43.8 81.4

83 82.4 61.0 113.4

85 54.1 39.2 72.8

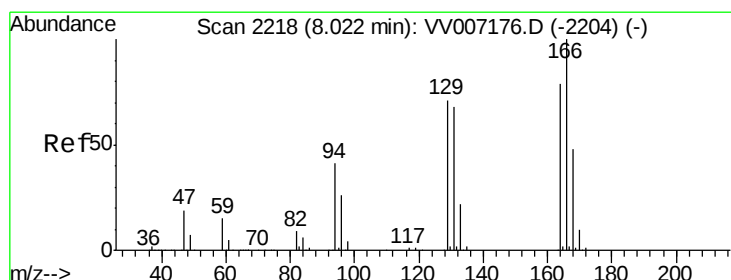
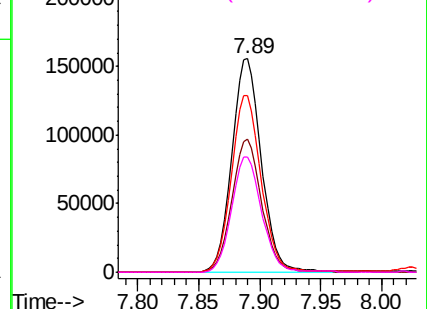
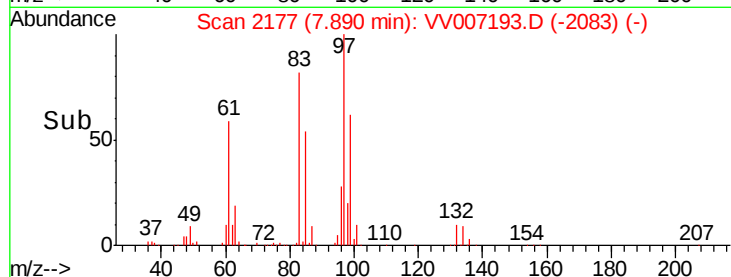


Abundance Ion 97.00 (96.70 to 97.70): VV0

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: 49.785 ug/L

RT: 8.02 min Scan# 2218

Delta R.T. 0.00 min

Lab File: VV007193.D

Acq: 25 Aug 2018 01:35

Tgt Ion: 164 Resp: 209217

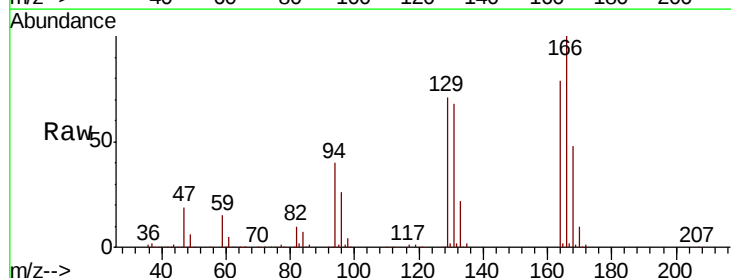
Ion Ratio Lower Upper

164 100

129 90.1 63.3 117.7

131 86.0 60.6 112.6

166 126.1 87.8 163.2

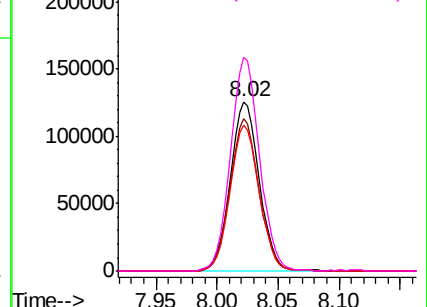
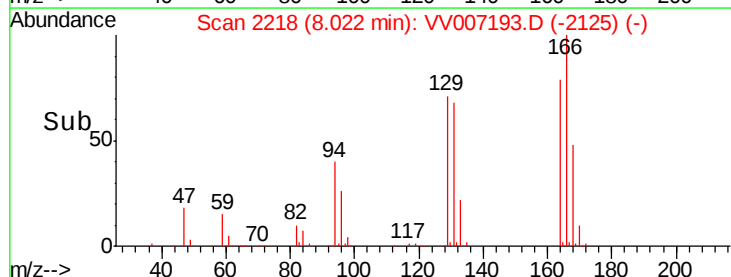


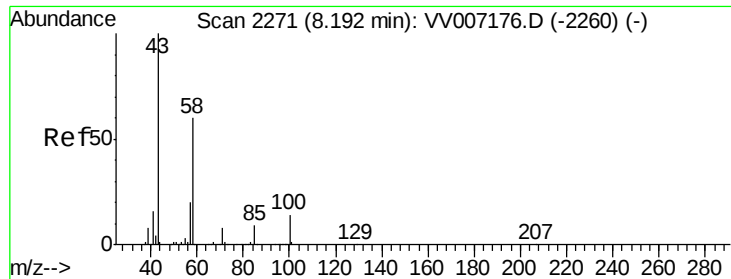
Abundance Ion 164.00 (163.70 to 164.70): V

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

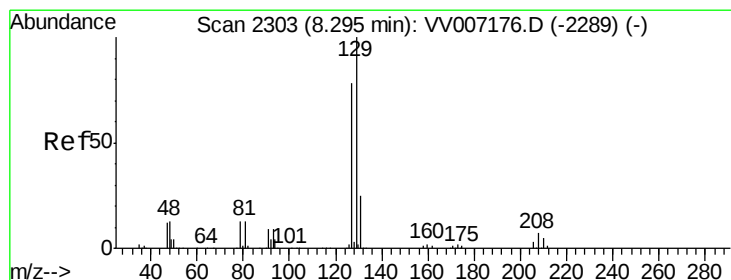
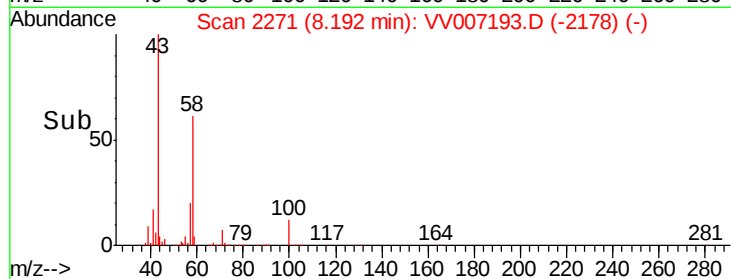
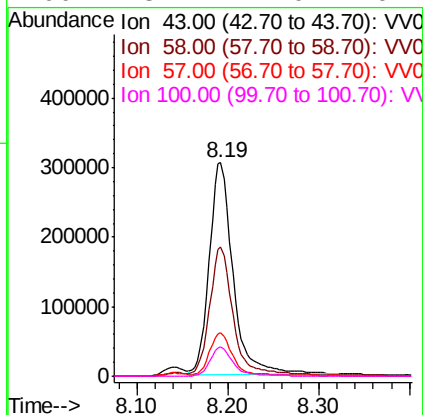
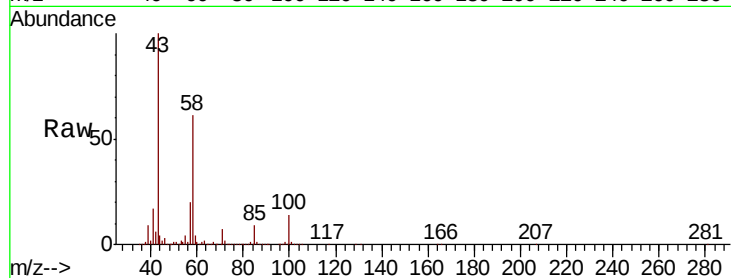




#48
2-Hexanone
Concen: 108.742 ug/L
RT: 8.19 min Scan# 2271
Delta R.T. 0.00 min
Lab File: VV007193.D
Acq: 25 Aug 2018 01:35

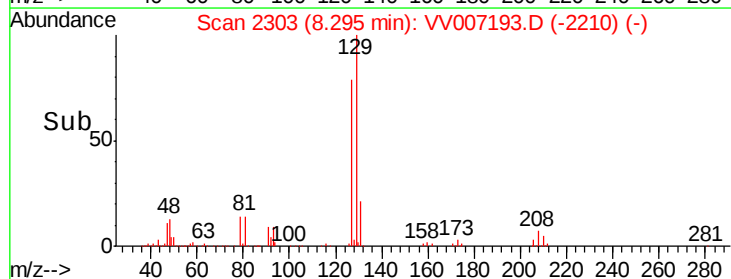
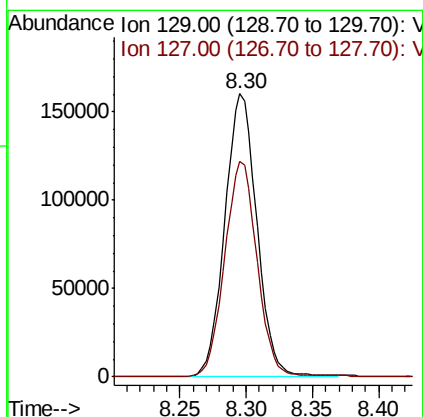
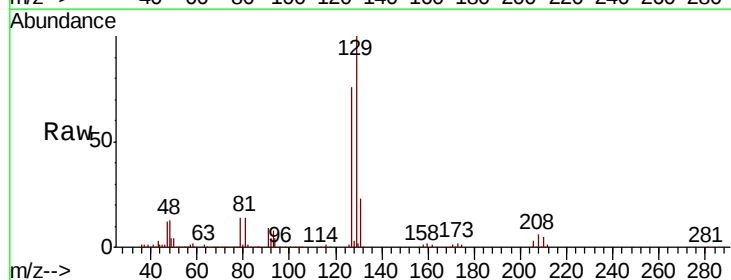
Instrument :
MSVOA_V
ClientSampleId :

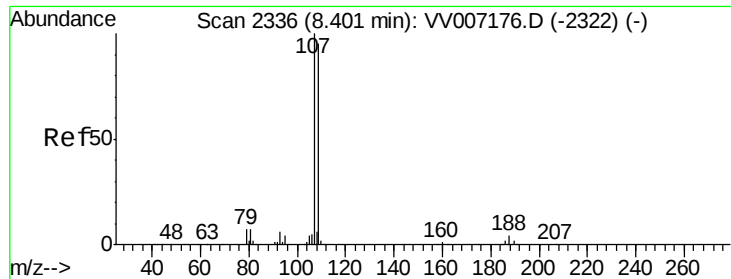
Tot Ion: 43 Resp: 556503
Ion Ratio Lower Upper
43 100
58 60.4 47.3 70.9
57 19.2 16.5 24.7
100 13.2 11.0 16.4



#49
Dibromochloromethane
Concen: 51.020 ug/L
RT: 8.30 min Scan# 2303
Delta R.T. 0.00 min
Lab File: VV007193.D
Acq: 25 Aug 2018 01:35

Tgt Ion: 129 Resp: 270169
Ion Ratio Lower Upper
129 100
127 76.1 54.0 100.2

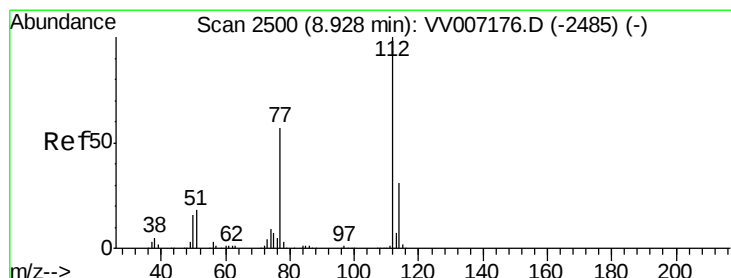
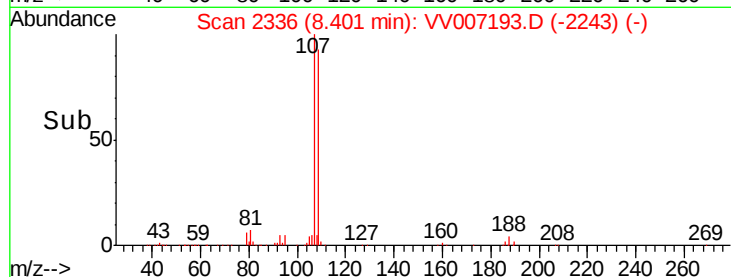
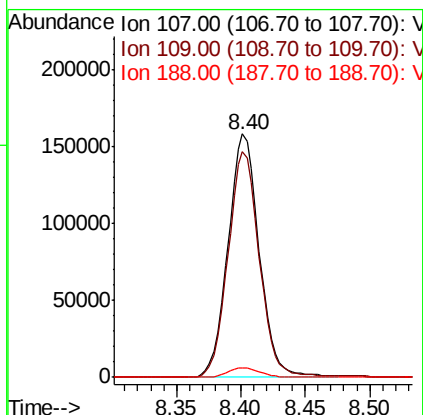
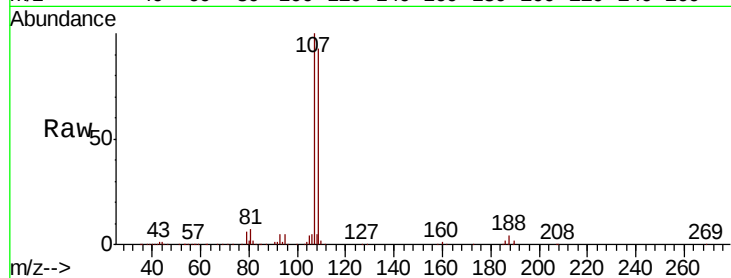




#50
 1,2-Dibromoethane
 Concen: 51.206 ug/L
 RT: 8.40 min Scan# 2336
 Delta R.T. 0.00 min
 Lab File: VV007193.D
 Acq: 25 Aug 2018 01:35

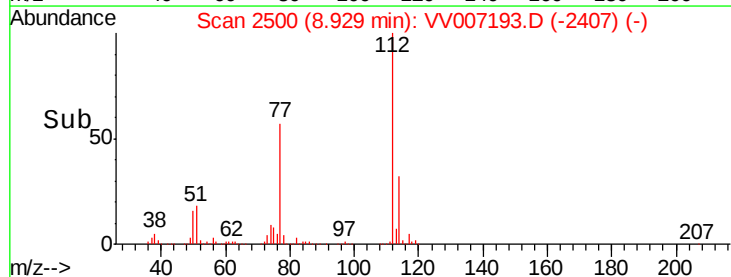
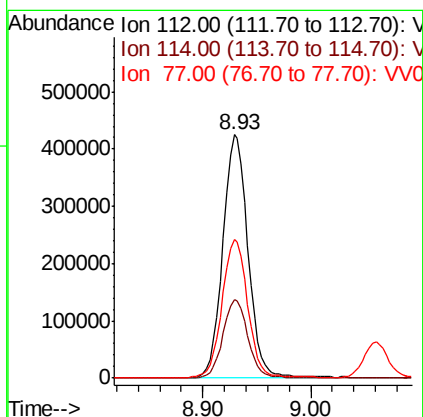
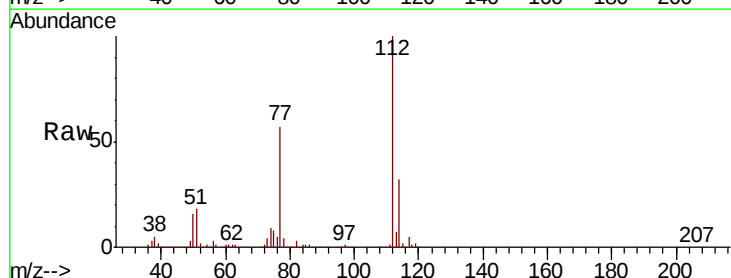
Instrument :
 MSVOA_V
 ClientSampleId :

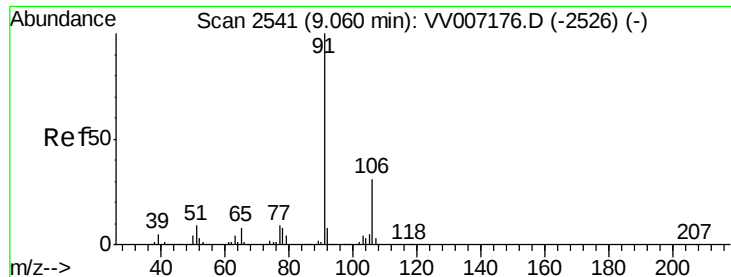
Tot Ion	Ratio	Lower	Upper
107	100		
109	92.9	68.3	126.8
188	4.1	3.3	4.9



#51
 Chlorobenzene
 Concen: 50.443 ug/L
 RT: 8.93 min Scan# 2500
 Delta R.T. 0.00 min
 Lab File: VV007193.D
 Acq: 25 Aug 2018 01:35

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.2	22.0	40.8
77	57.1	46.4	69.6





#52

Ethylbenzene

Concen: 51.698 ug/L

RT: 9.06 min Scan# 2541

Delta R.T. 0.00 min

Lab File: VV007193.D

Acq: 25 Aug 2018 01:35

Instrument :

MSVOA_V

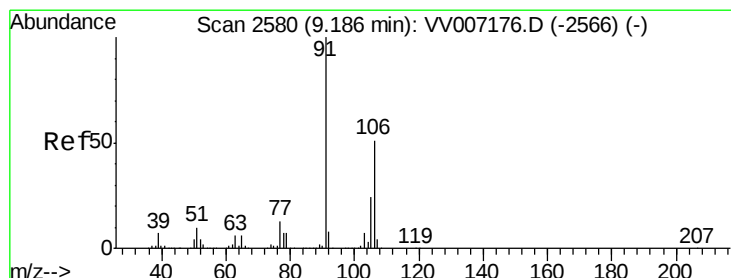
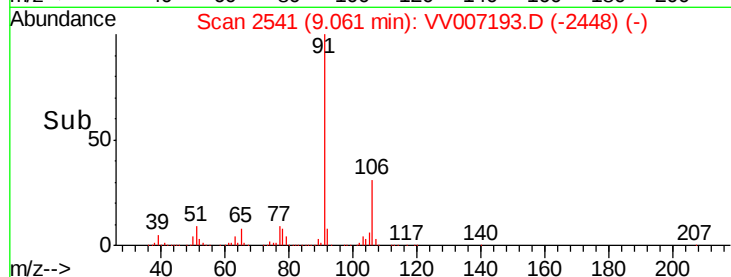
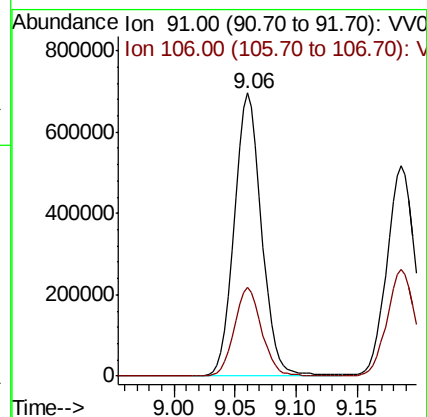
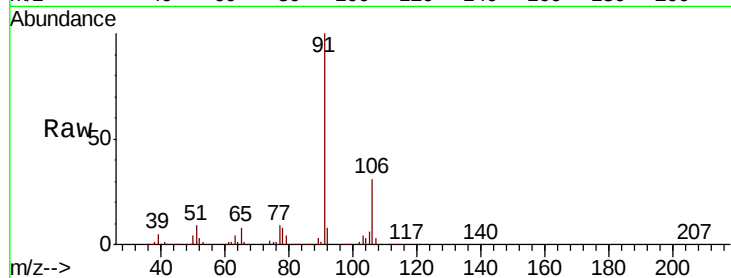
ClientSampled :

Tot Ion: 91 Resp: 1090666

Ion Ratio Lower Upper

91 100

106 31.2 22.0 40.8



#53

m,p-Xylene

Concen: 52.662 ug/L

RT: 9.19 min Scan# 2580

Delta R.T. 0.00 min

Lab File: VV007193.D

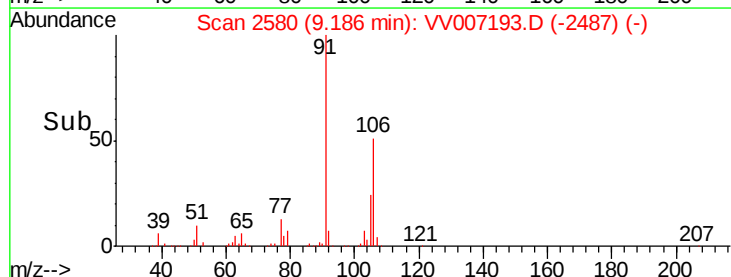
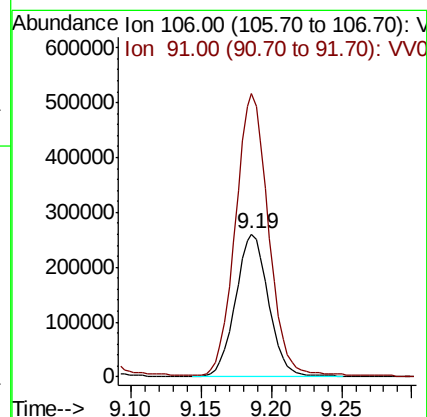
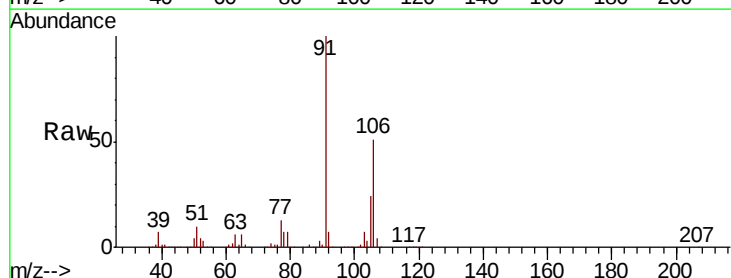
Acq: 25 Aug 2018 01:35

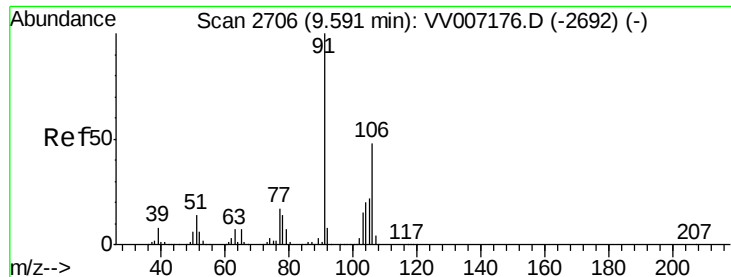
Tgt Ion: 106 Resp: 421848

Ion Ratio Lower Upper

106 100

91 197.7 138.9 258.1





#54

o-xylene

Concen: 52.737 ug/L

RT: 9.59 min Scan# 2707

Delta R.T. 0.00 min

Lab File: VV007193.D

Acq: 25 Aug 2018 01:35

Instrument :

MSVOA_V

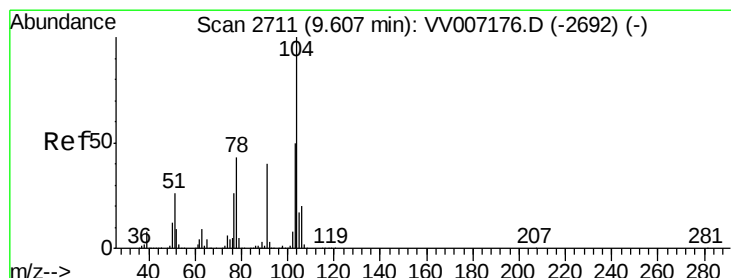
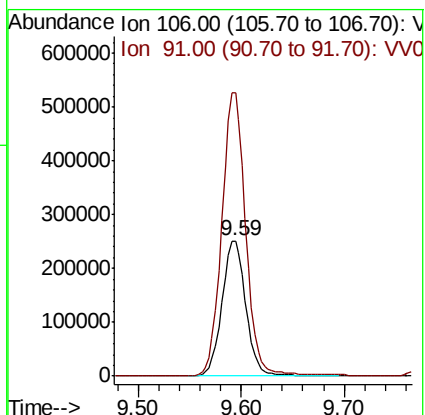
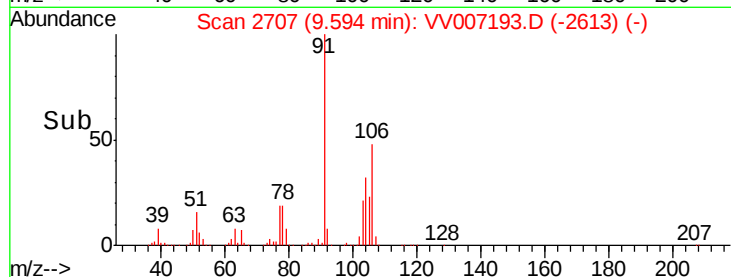
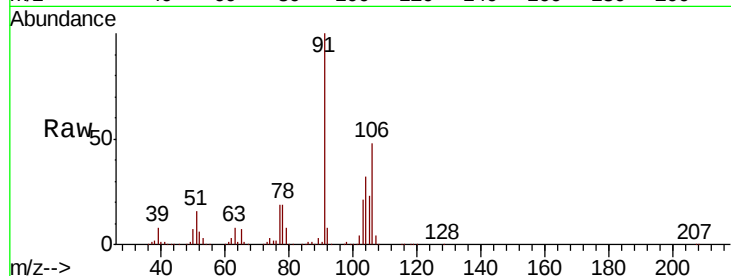
ClientSampled :

Tot Ion:106 Resp: 406599

Ion Ratio Lower Upper

106 100

91 209.1 145.2 269.6



#55

Styrene

Concen: 56.230 ug/L

RT: 9.61 min Scan# 2711

Delta R.T. 0.00 min

Lab File: VV007193.D

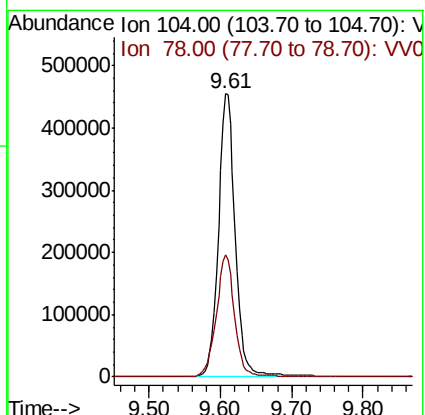
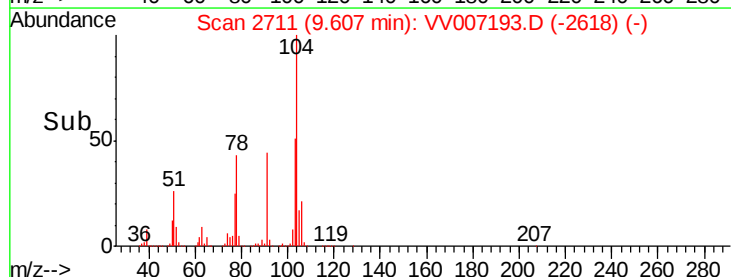
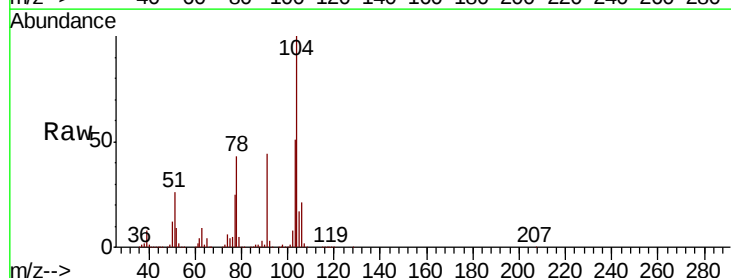
Acq: 25 Aug 2018 01:35

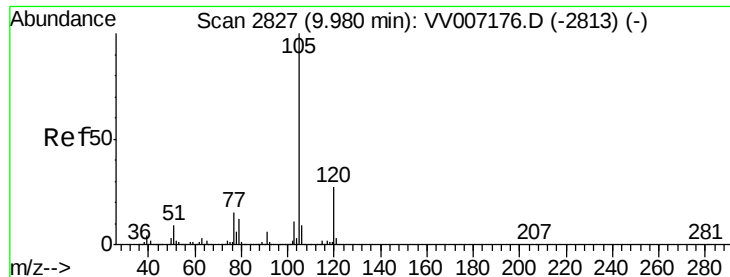
Tgt Ion:104 Resp: 743907

Ion Ratio Lower Upper

104 100

78 42.9 29.3 54.3





#56

Isopropylbenzene

Concen: 52.580 ug/L

RT: 9.98 min Scan# 2827

Delta R.T. 0.00 min

Lab File: VV007193.D

Acq: 25 Aug 2018 01:35

Instrument :

MSVOA_V

ClientSampled :

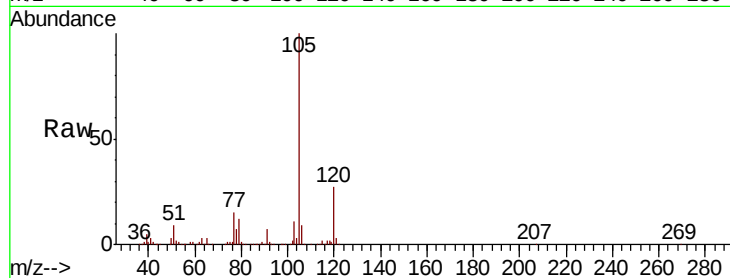
Tot Ion:105 Resp: 1036927

Ion Ratio Lower Upper

105 100

120 26.8 21.2 31.8

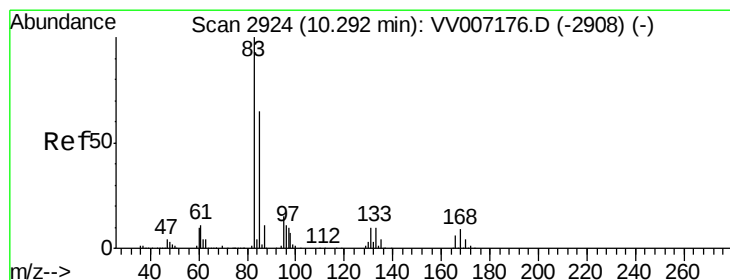
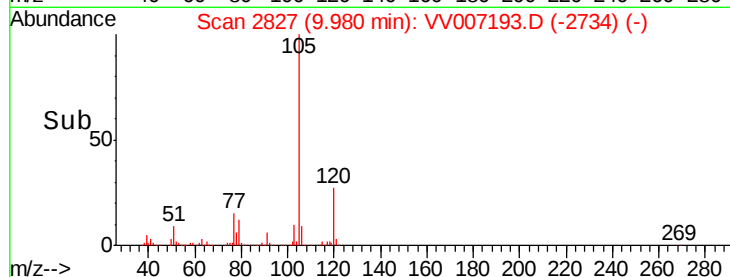
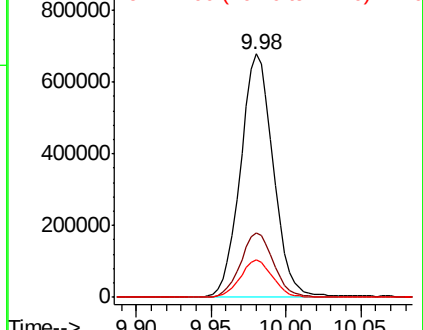
77 15.1 11.8 17.6



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: 51.011 ug/L

RT: 10.29 min Scan# 2924

Delta R.T. 0.00 min

Lab File: VV007193.D

Acq: 25 Aug 2018 01:35

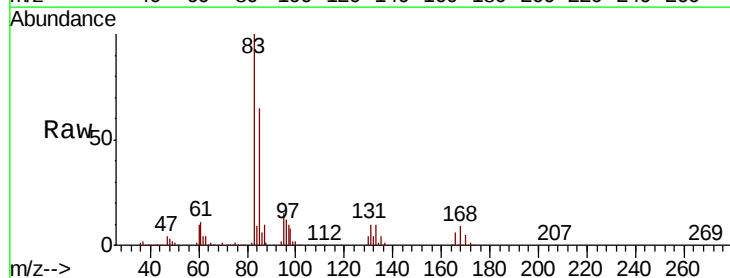
Tgt Ion: 83 Resp: 432424

Ion Ratio Lower Upper

83 100

85 64.8 45.4 84.2

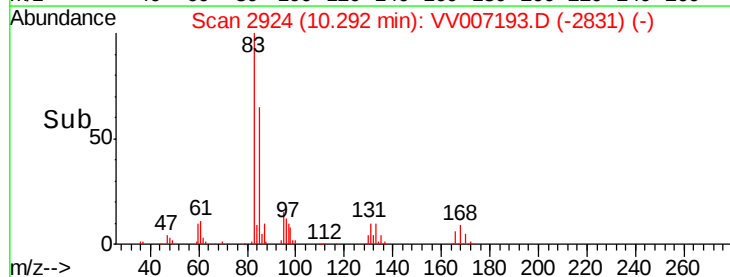
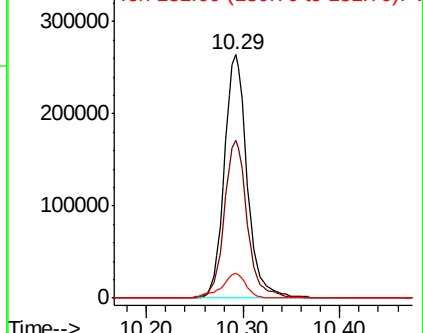
131 10.0 8.2 12.2

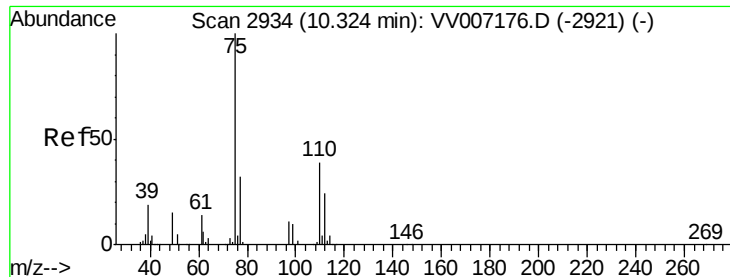


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 51.348 ug/L

RT: 10.32 min Scan# 2934

Delta R.T. 0.00 min

Lab File: VV007193.D

Acq: 25 Aug 2018 01:35

Instrument :

MSVOA_V

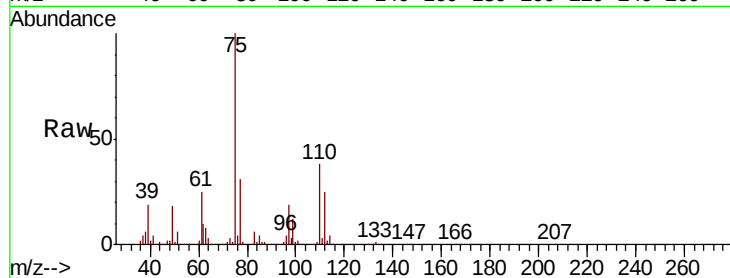
ClientSampleId :

Tot Ion: 75 Resp: 349982

Ion Ratio Lower Upper

75 100

77 30.7 24.6 37.0



Abundance Ion 75.00 (74.70 to 75.70): VV007176.D (-2921) (-)

Ion 77.00 (76.70 to 77.70): VV007176.D (-2921) (-)

10.32

200000

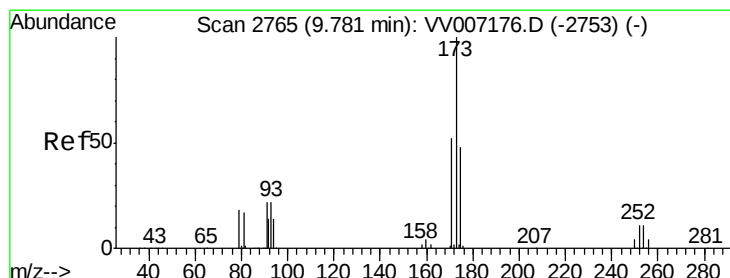
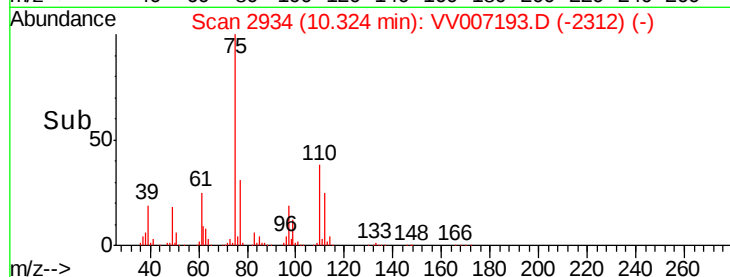
150000

100000

50000

0

Time-->



#61

Bromoform

Concen: 48.726 ug/L

RT: 9.78 min Scan# 2765

Delta R.T. 0.00 min

Lab File: VV007193.D

Acq: 25 Aug 2018 01:35

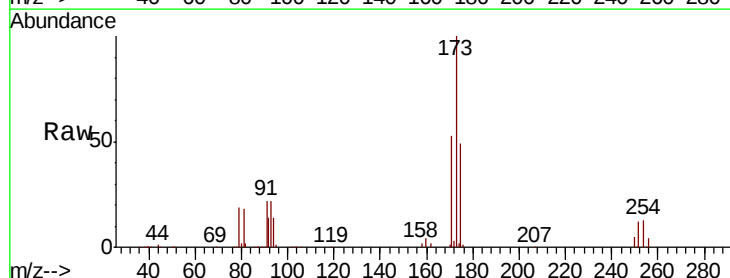
Tgt Ion: 173 Resp: 197239

Ion Ratio Lower Upper

173 100

175 47.5 38.6 58.0

254 12.0 8.6 12.8



Abundance Ion 173.00 (172.70 to 173.70): VV007176.D (-2753) (-)

Ion 175.00 (174.70 to 175.70): VV007176.D (-2753) (-)

Ion 254.00 (253.70 to 254.70): VV007176.D (-2753) (-)

9.78

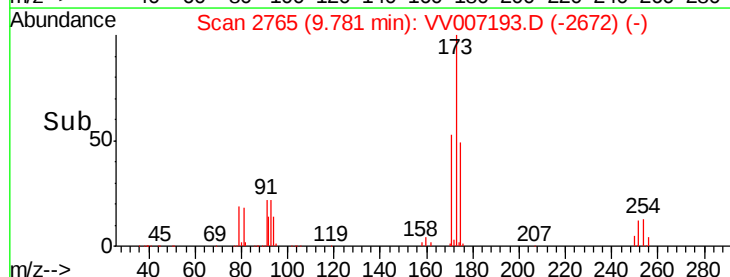
150000

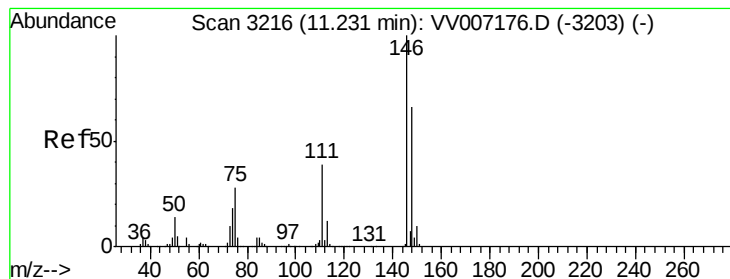
100000

50000

0

Time-->





#62

1,3-Dichlorobenzene

Concen: 47.308 ug/L

RT: 11.23 min Scan# 3216

Delta R.T. 0.00 min

Lab File: VV007193.D

Acq: 25 Aug 2018 01:35

Instrument :

MSVOA_V

ClientSampleId :

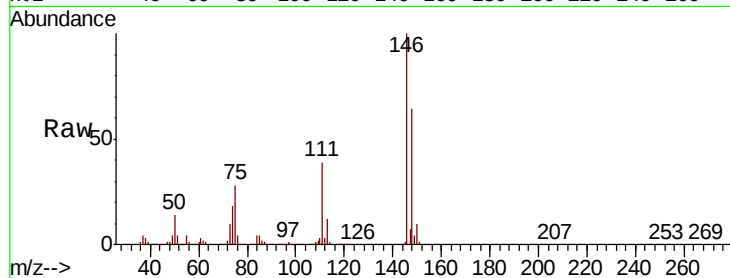
Tot Ion:146 Resp: 483062

Ion Ratio Lower Upper

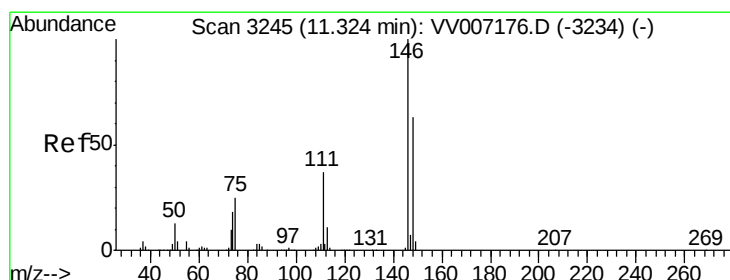
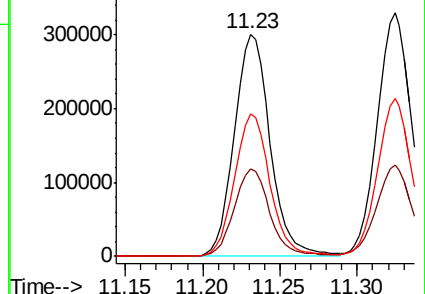
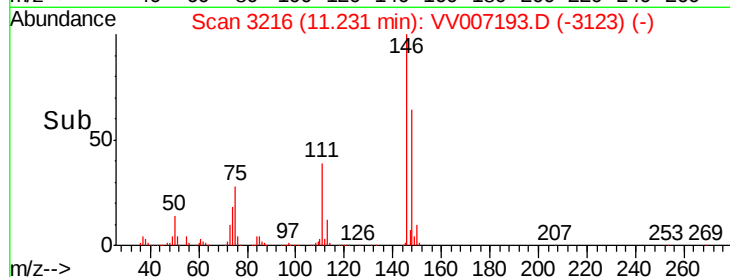
146 100

111 39.3 27.1 50.3

148 64.1 44.8 83.2



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



#63

1,4-Dichlorobenzene

Concen: 47.920 ug/L

RT: 11.32 min Scan# 3245

Delta R.T. 0.00 min

Lab File: VV007193.D

Acq: 25 Aug 2018 01:35

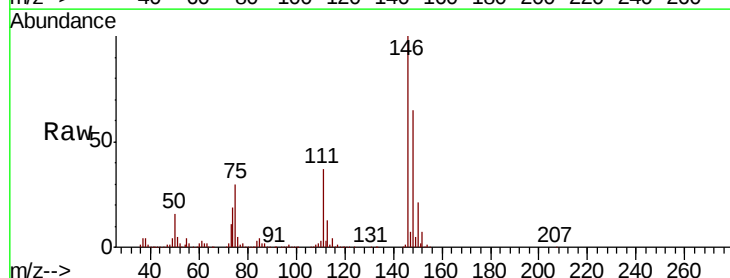
Tgt Ion:146 Resp: 526484

Ion Ratio Lower Upper

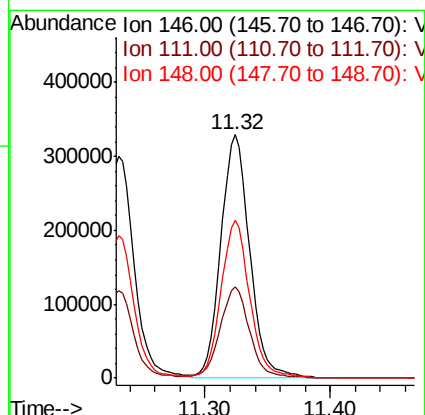
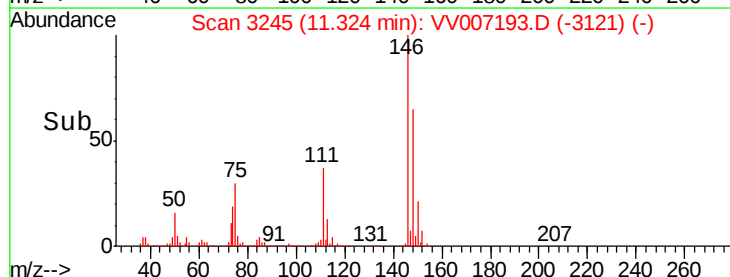
146 100

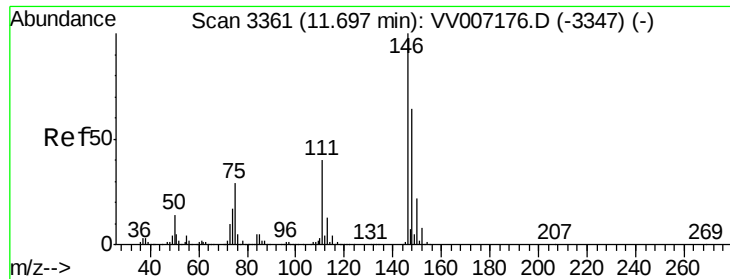
111 37.3 26.7 49.5

148 65.1 44.7 82.9



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





#65

1,2-Dichlorobenzene

Concen: 49.195 ug/L

RT: 11.70 min Scan# 3361

Delta R.T. 0.00 min

Lab File: VV007193.D

Acq: 25 Aug 2018 01:35

Instrument :

MSVOA_V

ClientSampleId :

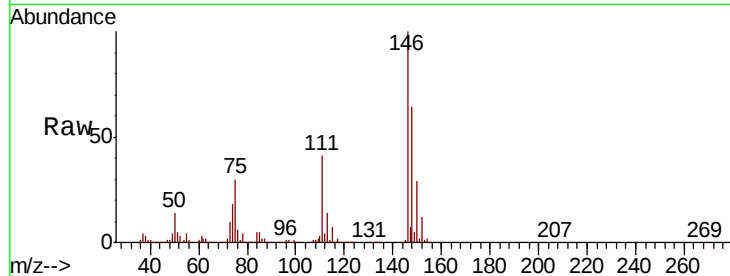
Tot Ion:146 Resp: 538869

Ion Ratio Lower Upper

146 100

111 40.6 32.2 48.2

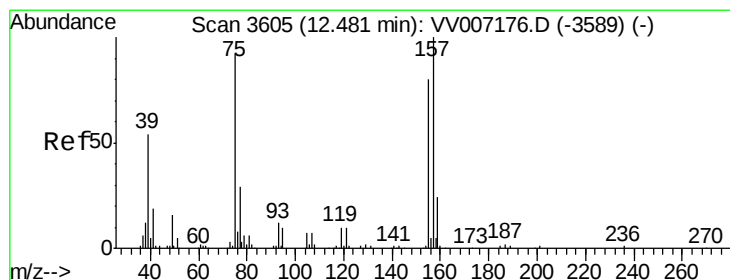
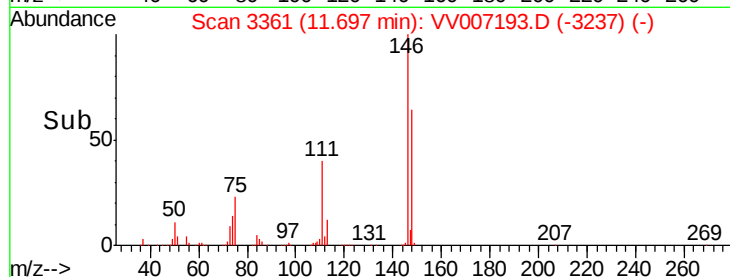
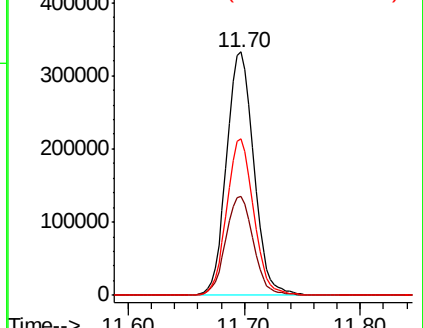
148 64.3 51.0 76.6



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: 48.757 ug/L

RT: 12.48 min Scan# 3605

Delta R.T. 0.00 min

Lab File: VV007193.D

Acq: 25 Aug 2018 01:35

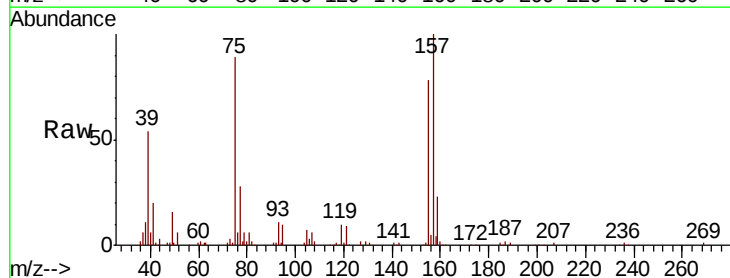
Tgt Ion: 75 Resp: 75452

Ion Ratio Lower Upper

75 100

155 87.0 70.6 106.0

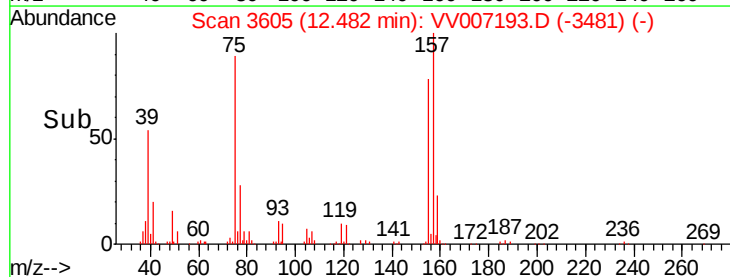
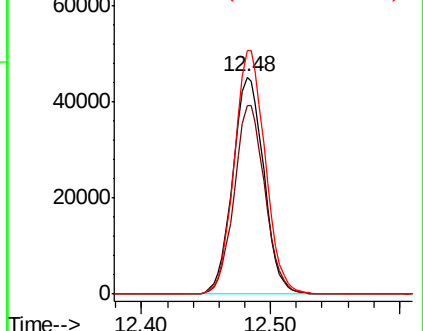
157 111.9 91.8 137.8

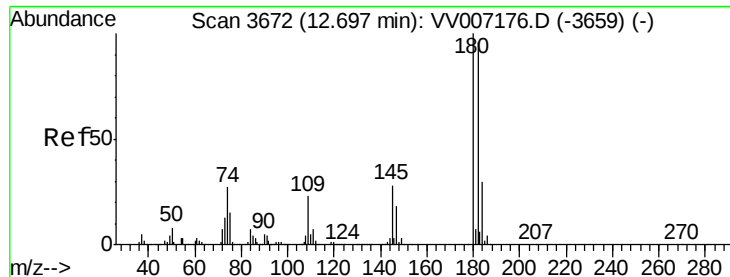


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

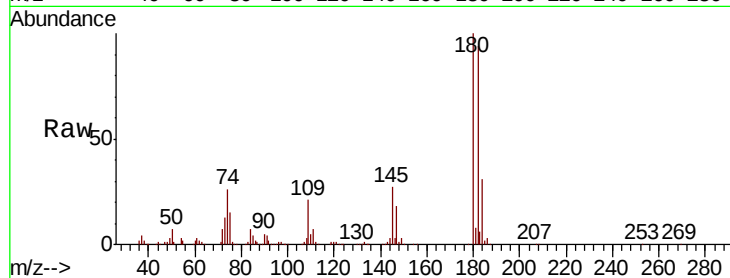




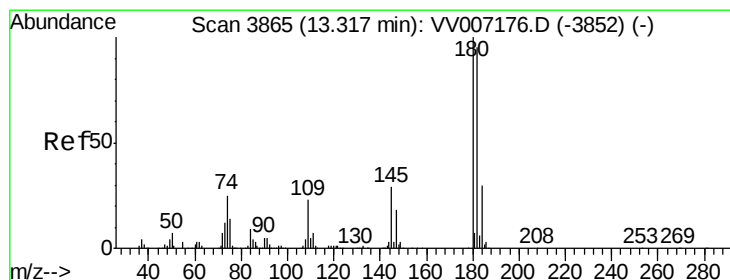
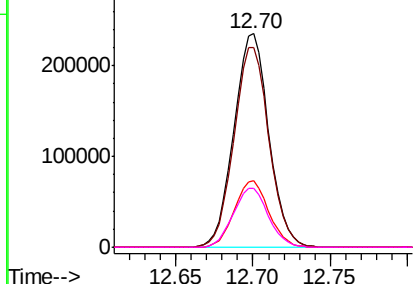
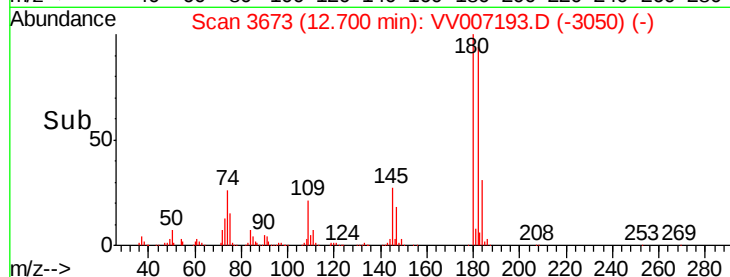
#67
 1,3,5-Trichlorobenzene
 Concen: 49.352 ug/L
 RT: 12.70 min Scan# 3673
 Delta R.T. 0.00 min
 Lab File: VV007193.D
 Acq: 25 Aug 2018 01:35

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:180	Resp:	367644
Ion	Ratio	Lower Upper
180	100	
182	94.2	75.8 113.8
184	30.6	24.4 36.6
145	27.7	22.6 33.8

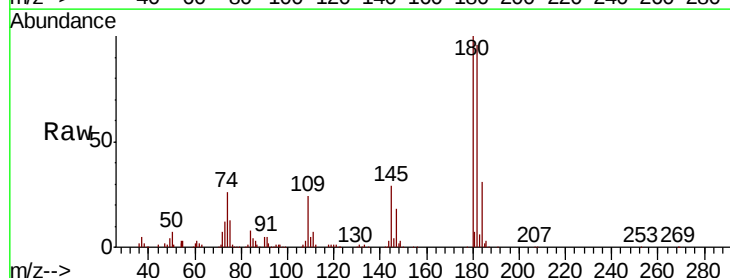


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

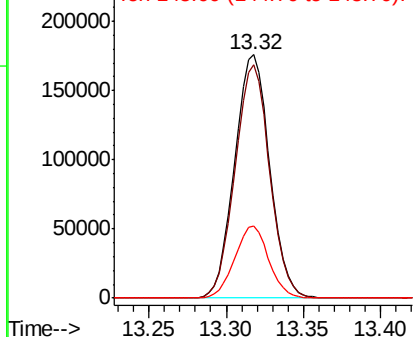
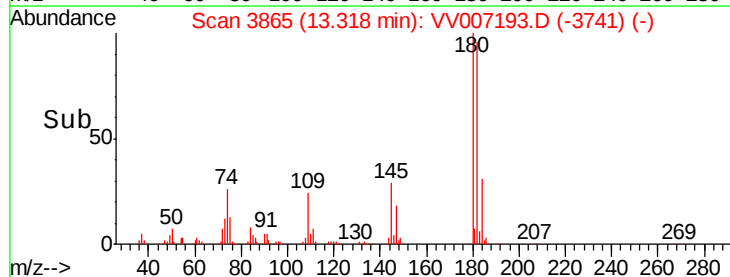


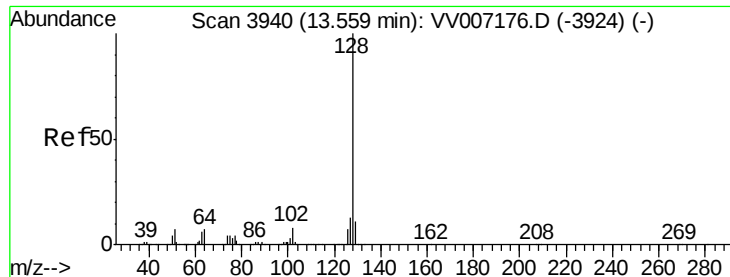
#68
 1,2,4-trichlorobenzene
 Concen: 49.840 ug/L
 RT: 13.32 min Scan# 3865
 Delta R.T. 0.00 min
 Lab File: VV007193.D
 Acq: 25 Aug 2018 01:35

Tgt Ion:180	Resp:	276896
Ion	Ratio	Lower Upper
180	100	
182	94.8	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: 44.519 ug/L

RT: 13.56 min Scan# 3940

Delta R.T. 0.00 min

Lab File: VV007193.D

Acq: 25 Aug 2018 01:35

Instrument :

MSVOA_V

ClientSampleId :

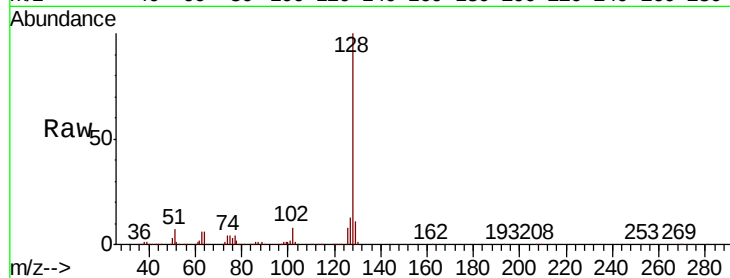
Tot Ion:128 Resp: 672868

Ion Ratio Lower Upper

128 100

127 13.1 10.3 15.5

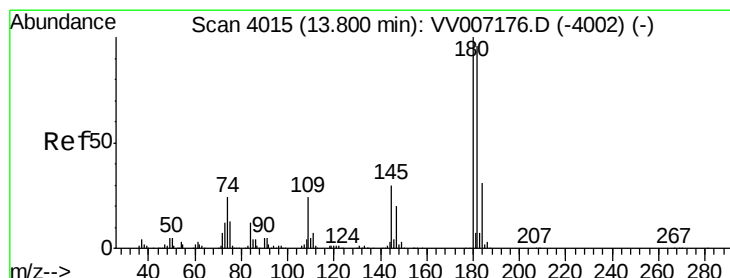
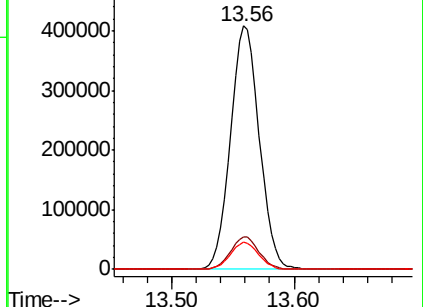
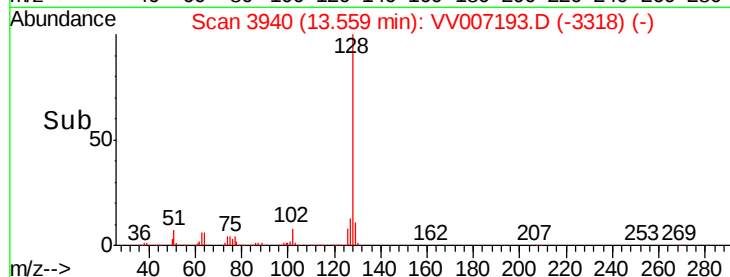
129 11.0 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 52.862 ug/L

RT: 13.80 min Scan# 4015

Delta R.T. 0.00 min

Lab File: VV007193.D

Acq: 25 Aug 2018 01:35

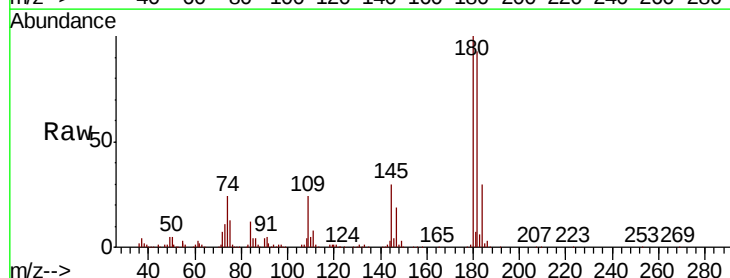
Tgt Ion:180 Resp: 315163

Ion Ratio Lower Upper

180 100

182 93.1 77.0 115.4

145 30.4 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

