

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV080318\
 Data File : VV006853.D
 Acq On : 03 Aug 2018 18:03
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25 mL/MSVOA V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Aug 04 04:27:50 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR080218WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Aug 03 04:21:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	242204	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	229712	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	99063	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	83639	4.99	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	99.80%
7) Chloroethane-d5	1.58	69	71829	4.92	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	98.40%
11) 1,1-Dichloroethene-d2	2.13	63	159602	5.13	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	102.60%
20) 2-Butanone-d5	3.96	46	214698	52.77	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	105.54%
24) Chloroform-d	4.40	84	148217	5.05	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.00%
26) 1,2-Dichloroethane-d4	5.09	65	75617	5.11	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.20%
32) Benzene-d6	5.10	84	282551	4.55	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.00%
36) 1,2-Dichloropropane-d6	6.12	67	94125	4.60	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	92.00%
41) Toluene-d8	7.36	98	258819	4.67	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.40%
43) trans-1,3-Dichloropropene-	7.67	79	33947	4.69	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	93.80%
46) 2-Hexanone-d5	8.14	63	143563	44.52	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	89.04%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	76884	5.05	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	101.00%
64) 1,2-Dichlorobenzene-d4	11.68	152	82479	4.49	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	89.80%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	103654	5.359	ug/L 98
3) Chloromethane	1.25	50	119346	4.267	ug/L 98
5) Vinyl chloride	1.32	62	114825	5.284	ug/L 97
6) Bromomethane	1.53	94	27198	5.019	ug/L 97
8) Chloroethane	1.60	64	75740	5.187	ug/L 99
9) Trichlorofluoromethane	1.77	101	145052	5.459	ug/L 98
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	91892	5.499	ug/L 99
12) 1,1-Dichloroethene	2.14	96	82242	5.313	ug/L 99
13) Acetone	2.20	43	172329	60.062	ug/L 99
14) Carbon disulfide	2.32	76	237230	5.166	ug/L 98
15) Methyl Acetate	2.47	43	47749	5.530	ug/L 100
16) Methylene chloride	2.54	84	96106	5.191	ug/L 98
17) Methyl tert-butyl Ether	2.81	73	228698	5.508	ug/L 99
18) trans-1,2-Dichloroethene	2.79	96	89314	5.296	ug/L 99
19) 1,1-Dichloroethane	3.23	63	175602	5.576	ug/L 98
21) 2-Butanone	4.05	43	259901	59.275	ug/L 100
22) cis-1,2-Dichloroethene	3.96	96	89212	4.928	ug/L 93

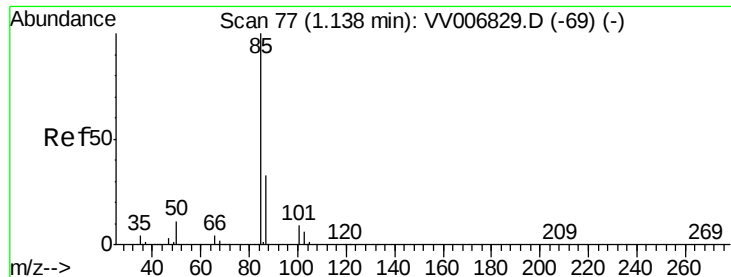
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV080318\
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	41030	5.210	ug/L	97
25) Chloroform	4.43	83	167160	5.458	ug/L	97
27) 1,2-Dichloroethane	5.19	62	101389	5.442	ug/L	99
29) 1,1,1-Trichloroethane	4.66	97	138731	5.210	ug/L	99
30) Cyclohexane	4.72	56	122302	4.435	ug/L	98
31) Carbon tetrachloride	4.88	117	114877	5.240	ug/L	97
33) Benzene	5.15	78	348562	4.939	ug/L	100
34) Trichloroethene	5.96	95	86188	4.798	ug/L	97
35) Methylcyclohexane	6.18	83	128140	4.492	ug/L	98
37) 1,2-Dichloropropane	6.22	63	95741	5.173	ug/L	98
38) Bromodichloromethane	6.56	83	114019	5.413	ug/L	98
39) cis-1,3-Dichloropropene	7.08	75	116982	4.895	ug/L	99
40) 4-Methyl-2-pentanone	7.29	43	556061	54.292	ug/L	98
42) Toluene	7.43	91	345922	4.982	ug/L	99
44) trans-1,3-Dichloropropene	7.70	75	99146	5.039	ug/L	93
45) 1,1,2-Trichloroethane	7.89	97	71934	5.376	ug/L	98
47) Tetrachloroethene	8.02	164	71379	4.988	ug/L	95
48) 2-Hexanone	8.20	43	405124	58.296	ug/L	99
49) Dibromochloromethane	8.30	129	73908	5.464	ug/L	99
50) 1,2-Dibromoethane	8.40	107	60384	5.295	ug/L	99
51) Chlorobenzene	8.93	112	217372	4.864	ug/L	99
52) Ethylbenzene	9.06	91	329649	4.545	ug/L	99
53) m,p-xylene	9.19	106	123853	4.600	ug/L	98
54) o-xylene	9.59	106	119965	4.416	ug/L	100
55) Styrene	9.61	104	191637	4.489	ug/L	97
56) Isopropylbenzene	9.98	105	314642	4.552	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.29	83	88756	5.481	ug/L	98
59) 1,2,3-Trichloropropane	10.32	75	63747	5.602	ug/L	100
61) Bromoform	9.78	173	39309	5.827	ug/L	94
62) 1,3-Dichlorobenzene	11.23	146	151258	4.831	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	149098	4.814	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	150909	4.912	ug/L	96
66) 1,2-Dibromo-3-chloropropan	12.48	75	11988	5.611	ug/L	97
67) 1,3,5-Trichlorobenzene	12.70	180	116637	4.843	ug/L	99
68) 1,2,4-trichlorobenzene	13.32	180	86500	4.624	ug/L	98
69) Naphthalene	13.56	128	142508	4.370	ug/L	99
70) 1,2,3-Trichlorobenzene	13.80	180	86599	4.796	ug/L	100

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



#2

Dichlorodifluoromethane

Concen: 5.359 ug/L

RT: 1.14 min Scan# 77

Delta R.T. 0.00 min

Lab File: VV006853.D

Acq: 03 Aug 2018 18:03

Instrument :

MSVOA_V

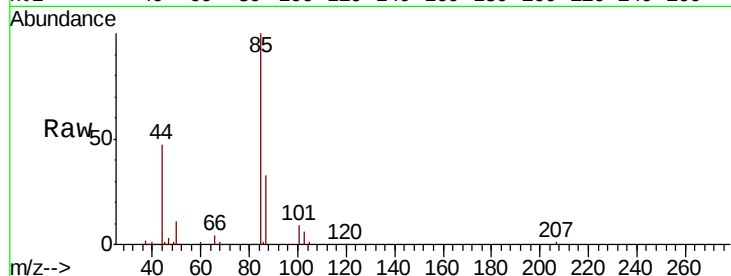
ClientSampled :

Tot Ion: 85 Resp: 103654

Ion Ratio Lower Upper

85 100

87 32.9 25.4 38.0



Abundance Ion 85.00 (84.70 to 85.70): VV006829.D (-69) (-)

Ion 87.00 (86.70 to 87.70): VV006829.D (-69) (-)

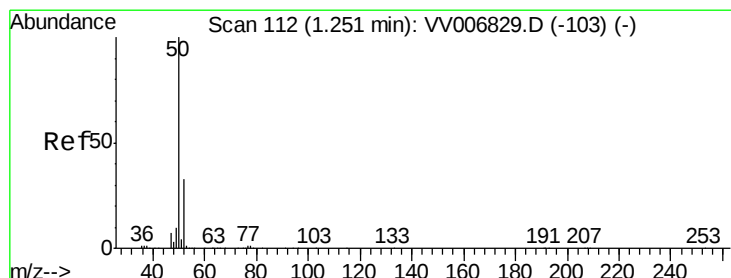
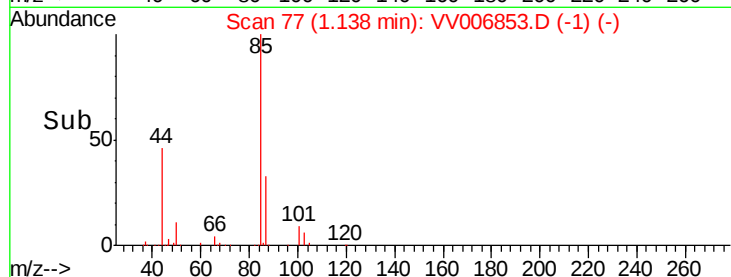
1.14

100000

50000

0

Time-->



#3

Chloromethane

Concen: 4.267 ug/L

RT: 1.25 min Scan# 112

Delta R.T. 0.00 min

Lab File: VV006853.D

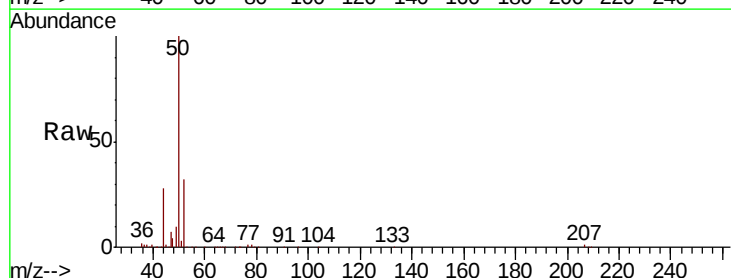
Acq: 03 Aug 2018 18:03

Tgt Ion: 50 Resp: 119346

Ion Ratio Lower Upper

50 100

52 32.4 23.3 43.3



Abundance Ion 50.05 (49.75 to 50.75): VV006829.D (-103) (-)

Ion 52.05 (51.75 to 52.75): VV006829.D (-103) (-)

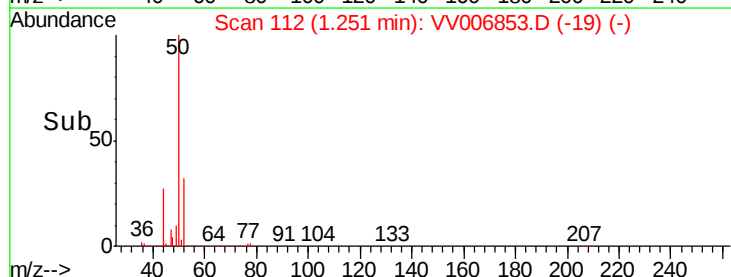
1.25

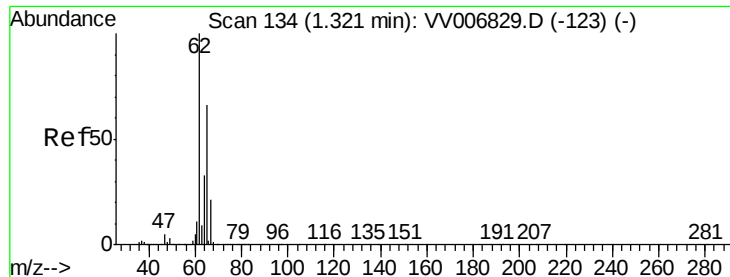
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 5.284 ug/L

RT: 1.32 min Scan# 134

Delta R.T. 0.00 min

Lab File: VV006853.D

Acq: 03 Aug 2018 18:03

Instrument :

MSVOA_V

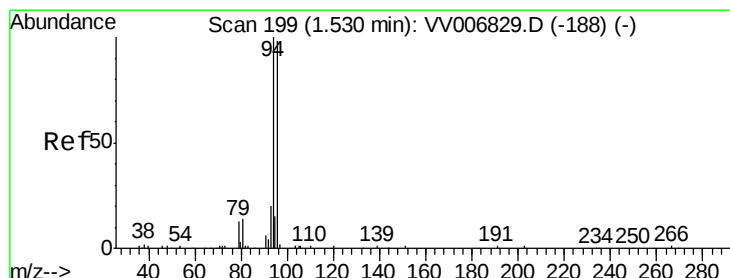
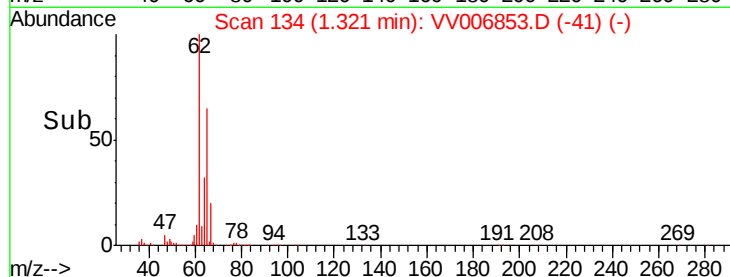
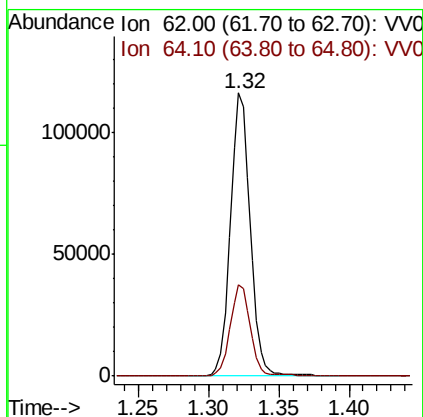
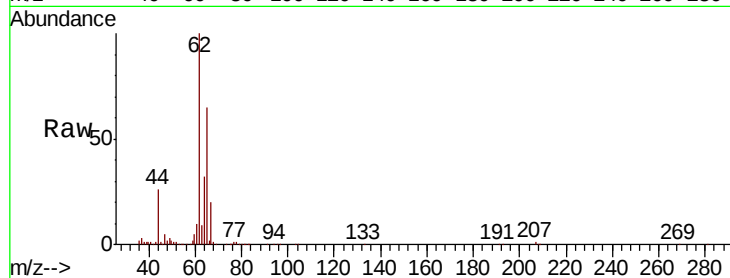
ClientSampleId :

Tot Ion: 62 Resp: 114825

Ion Ratio Lower Upper

62 100

64 32.3 23.7 43.9



#6

Bromomethane

Concen: 5.019 ug/L

RT: 1.53 min Scan# 200

Delta R.T. 0.00 min

Lab File: VV006853.D

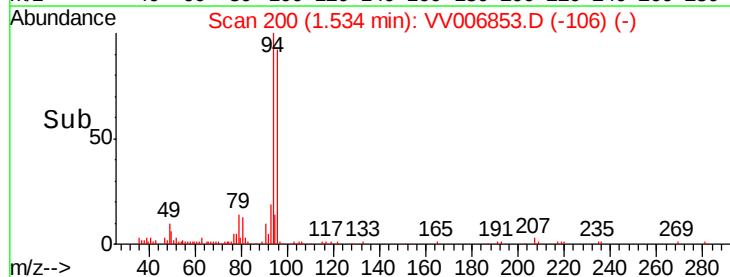
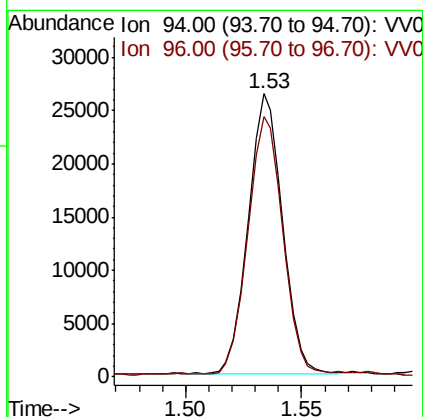
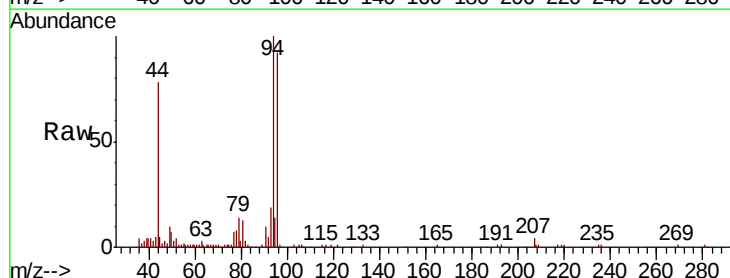
Acq: 03 Aug 2018 18:03

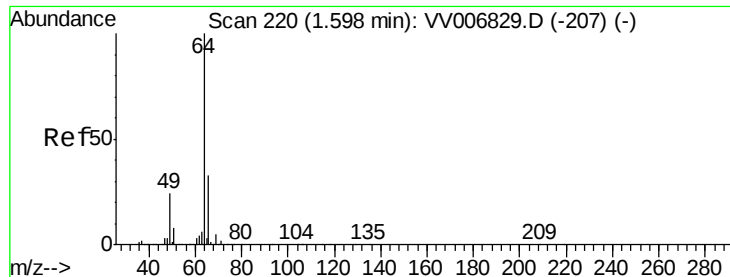
Tgt Ion: 94 Resp: 27198

Ion Ratio Lower Upper

94 100

96 92.0 66.2 123.0





#8

Chloroethane

Concen: 5.187 ug/L

RT: 1.60 min Scan# 220

Delta R.T. 0.00 min

Lab File: VV006853.D

Acq: 03 Aug 2018 18:03

Instrument :

MSVOA_V

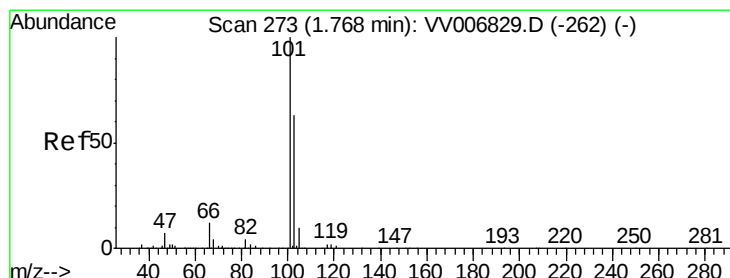
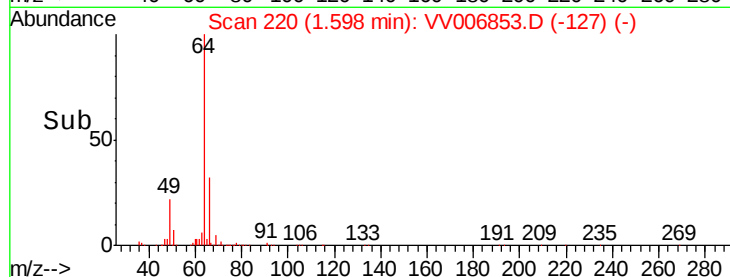
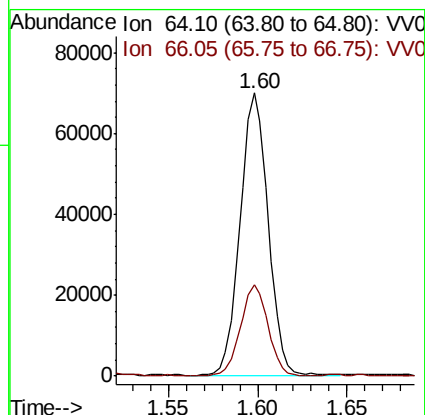
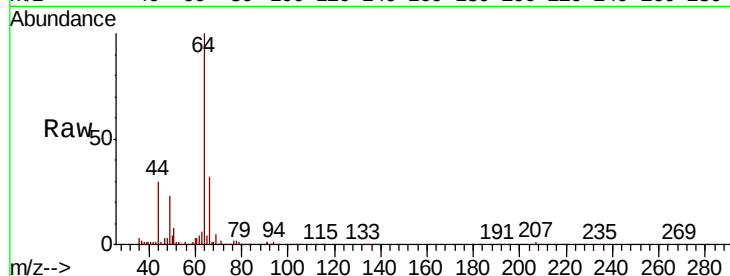
ClientSampleId :

Tot Ion: 64 Resp: 75740

Ion Ratio Lower Upper

64 100

66 32.1 23.0 42.6



#9

Trichlorofluoromethane

Concen: 5.459 ug/L

RT: 1.77 min Scan# 273

Delta R.T. 0.00 min

Lab File: VV006853.D

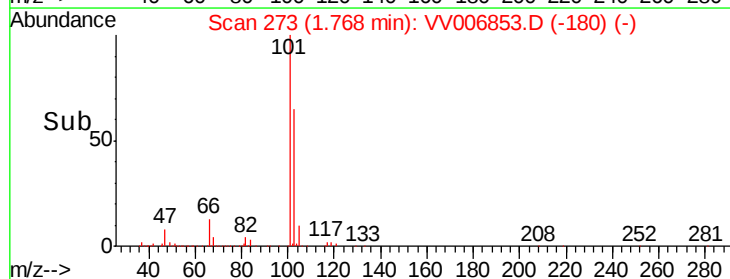
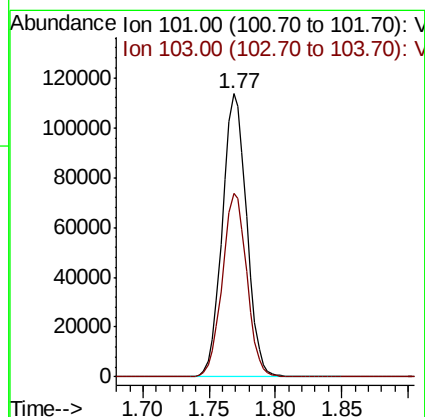
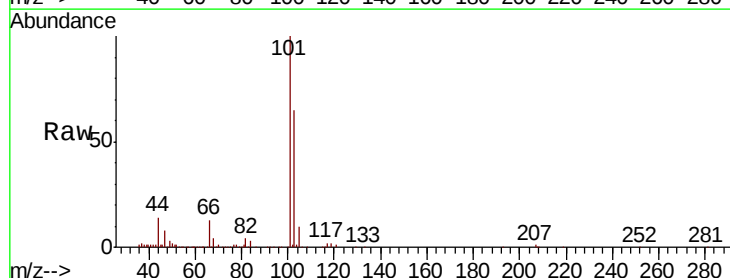
Acq: 03 Aug 2018 18:03

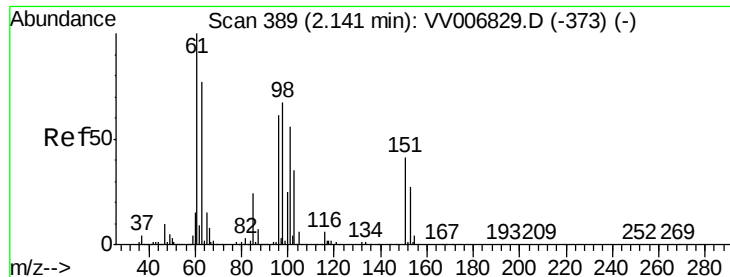
Tgt Ion: 101 Resp: 145052

Ion Ratio Lower Upper

101 100

103 65.1 51.1 76.7





#10

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

Concen: 5.499 ug/L

RT: 2.14 min Scan# 388

Delta R.T. -0.00 min

Lab File: VV006853.D

Acq: 03 Aug 2018 18:03

Instrument :

MSVOA_V

ClientSampleId :

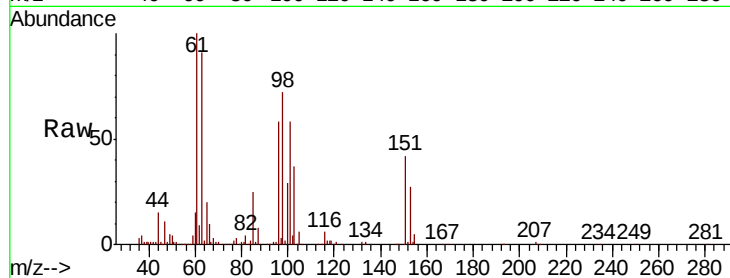
Tot Ion:101 Resp: 91892

Ion Ratio Lower Upper

101 100

85 42.5 33.3 49.9

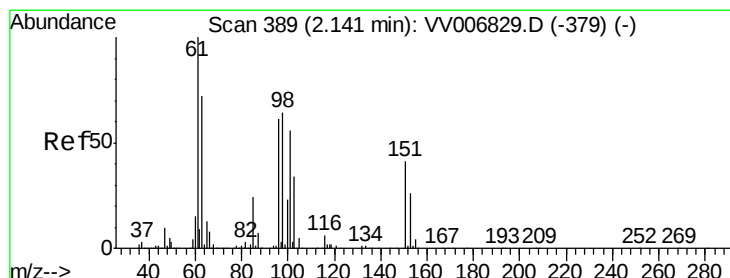
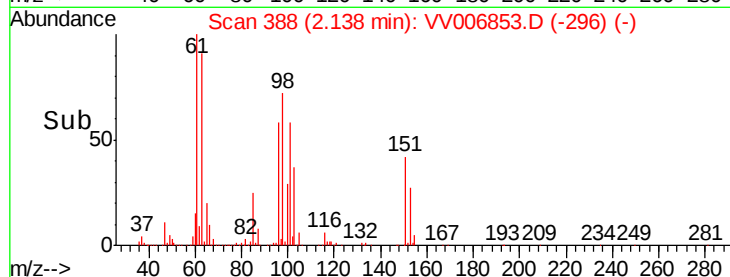
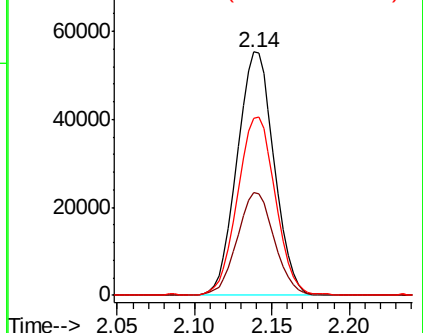
151 74.4 59.4 89.2



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: 5.313 ug/L

RT: 2.14 min Scan# 389

Delta R.T. 0.00 min

Lab File: VV006853.D

Acq: 03 Aug 2018 18:03

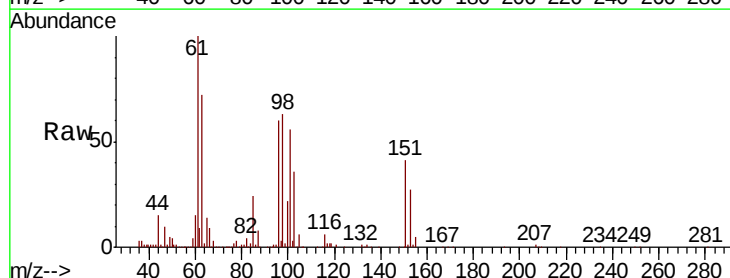
Tgt Ion: 96 Resp: 82242

Ion Ratio Lower Upper

96 100

61 165.7 115.3 214.1

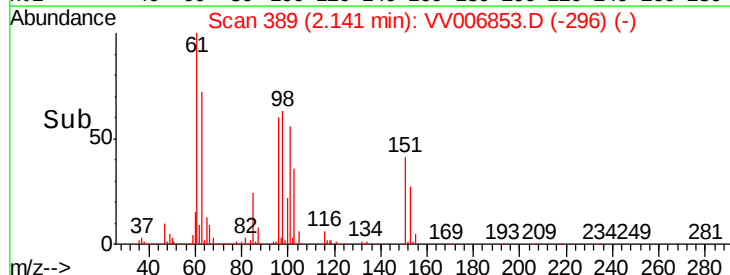
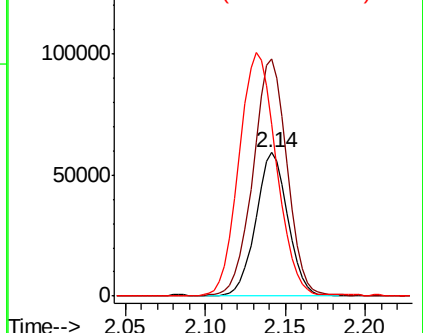
63 119.4 81.9 152.1

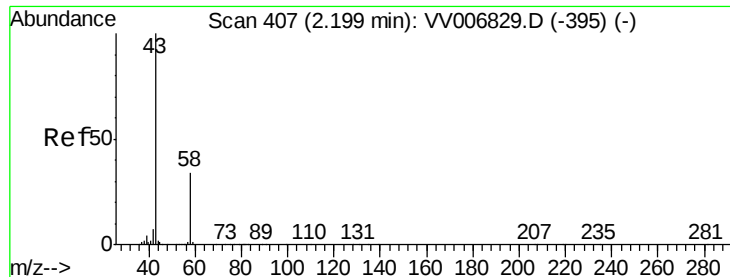


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 60.062 ug/L

RT: 2.20 min Scan# 408

Delta R.T. 0.00 min

Lab File: VV006853.D

Acq: 03 Aug 2018 18:03

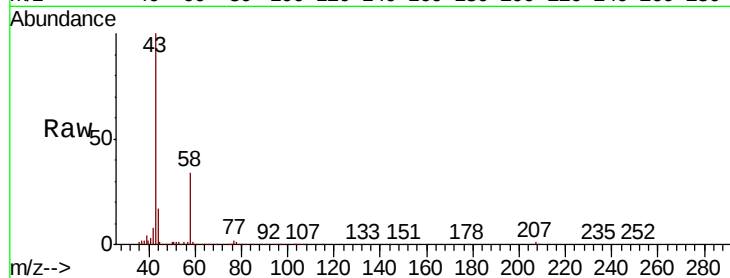
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 172329

Ion Ratio Lower Upper

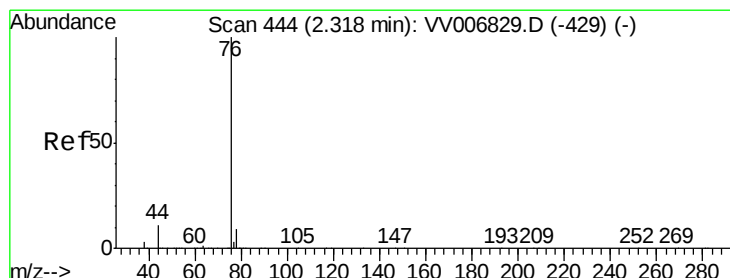
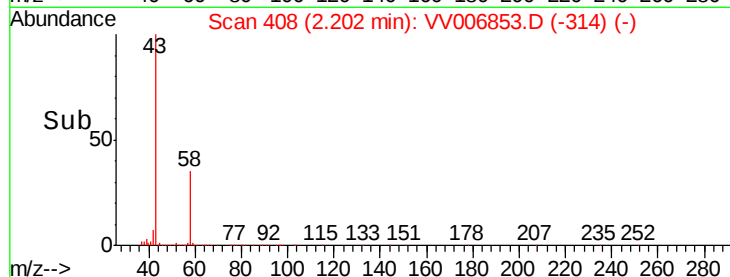
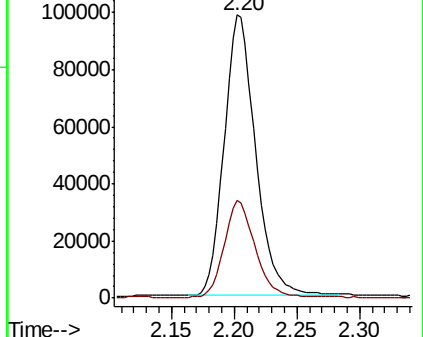
43 100

58 34.0 0.0 69.0



Abundance Ion 43.05 (42.75 to 43.75): VV006829.D (-395) (-)

Ion 58.05 (57.75 to 58.75): VV006829.D (-395) (-)



#14

Carbon disulfide

Concen: 5.166 ug/L

RT: 2.32 min Scan# 444

Delta R.T. 0.00 min

Lab File: VV006853.D

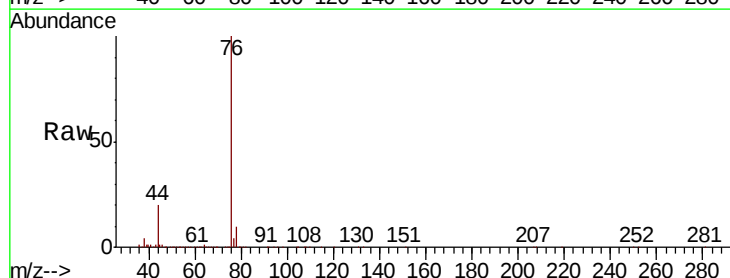
Acq: 03 Aug 2018 18:03

Tgt Ion: 76 Resp: 237230

Ion Ratio Lower Upper

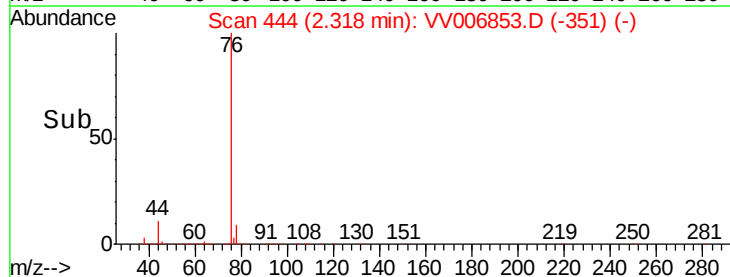
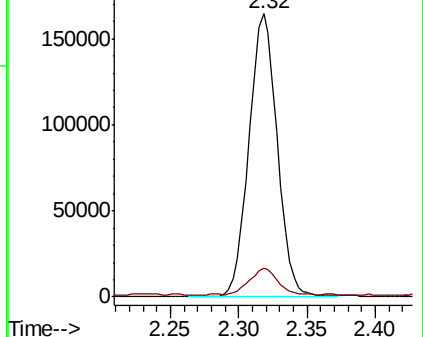
76 100

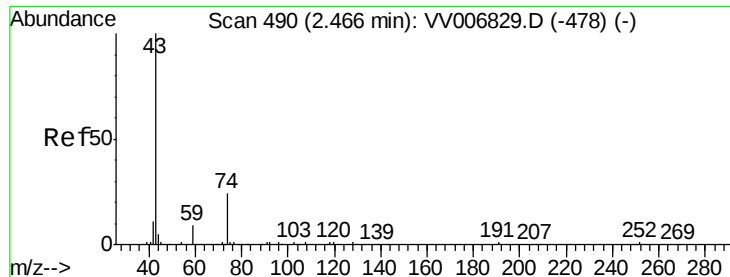
78 10.1 8.7 13.1



Abundance Ion 76.05 (75.75 to 76.75): VV006829.D (-429) (-)

Ion 78.00 (77.70 to 78.70): VV006829.D (-429) (-)





#15

Methyl Acetate

Concen: 5.530 ug/L

RT: 2.47 min Scan# 490

Delta R.T. 0.00 min

Lab File: VV006853.D

Acq: 03 Aug 2018 18:03

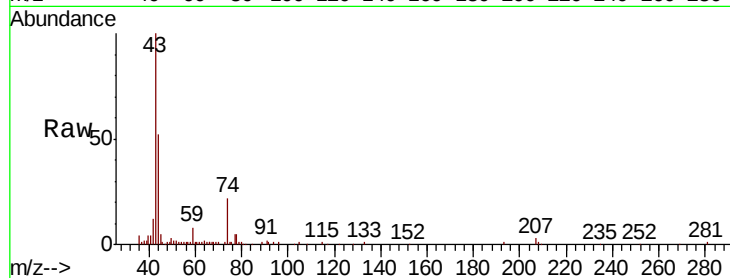
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 47749

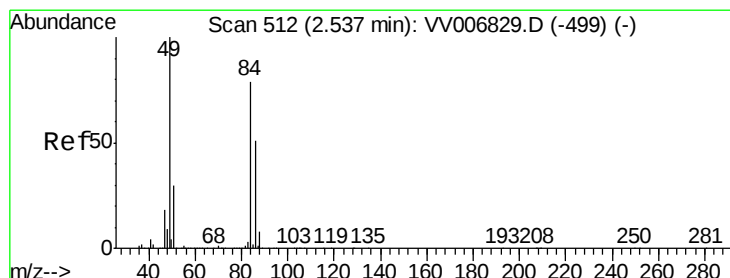
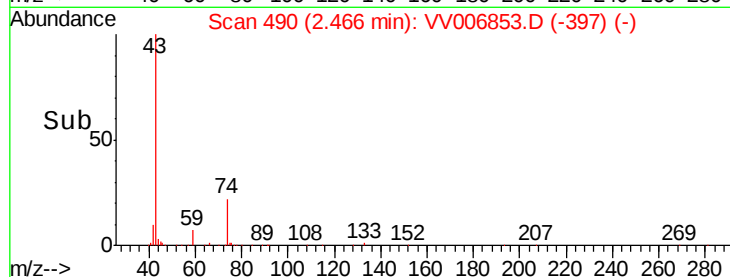
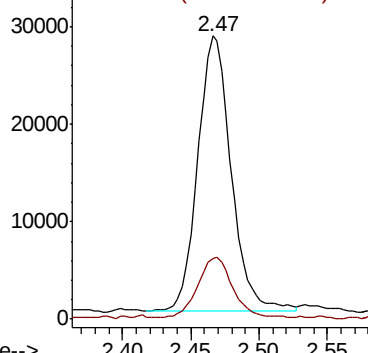
Ion Ratio Lower Upper

43 100

74 22.9 18.3 27.5



Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 74.05 (73.75 to 74.75): VV0



#16

Methylene chloride

Concen: 5.191 ug/L

RT: 2.54 min Scan# 512

Delta R.T. 0.00 min

Lab File: VV006853.D

Acq: 03 Aug 2018 18:03

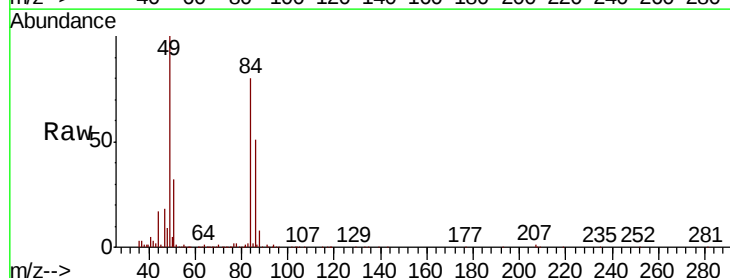
Tgt Ion: 84 Resp: 96106

Ion Ratio Lower Upper

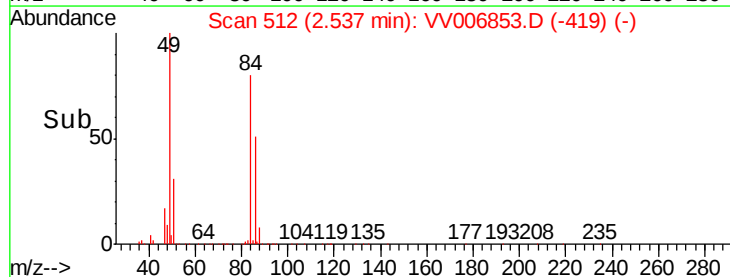
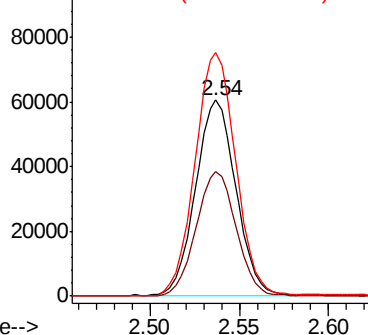
84 100

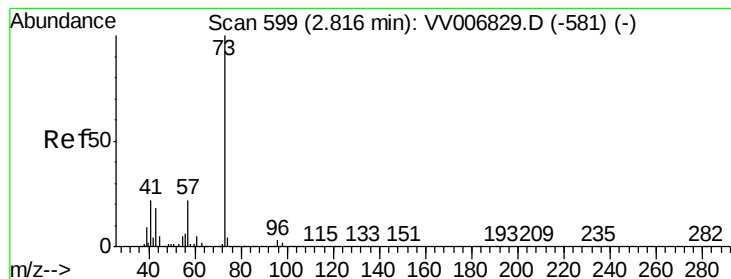
86 63.4 43.8 81.3

49 124.3 85.3 158.5



Abundance Ion 84.05 (83.75 to 84.75): VV0
Ion 86.00 (85.70 to 86.70): VV0
Ion 49.10 (48.80 to 49.80): VV0



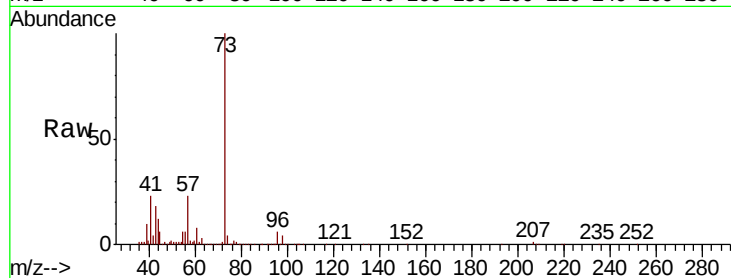


#17

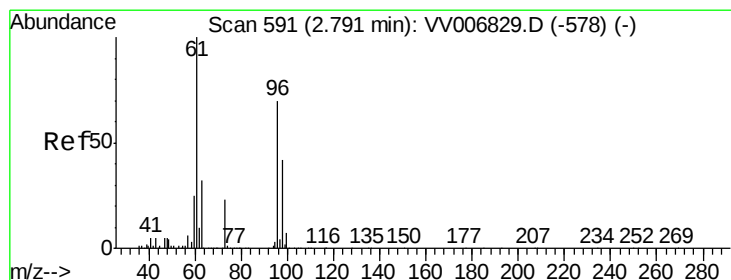
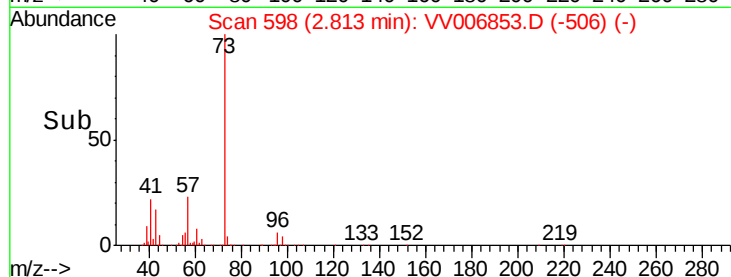
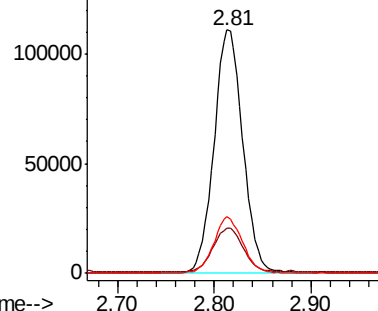
Methvl tert-butvl Ether
 Concen: 5.508 ug/L
 RT: 2.81 min Scan# 598
 Delta R.T. -0.00 min
 Lab File: VV006853.D
 Acq: 03 Aug 2018 18:03

Instrument :
 MSVOA_V
 ClientSampled :

Tot Ion:	73	Resp:	228698
Ion	Ratio	Lower	Upper
73	100		
43	18.8	14.6	22.0
57	23.1	18.0	27.0



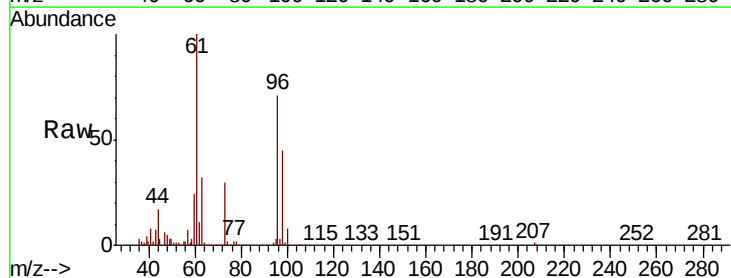
Abundance Ion 73.10 (72.80 to 73.80): VV0
 Ion 43.05 (42.75 to 43.75): VV0
 Ion 57.10 (56.80 to 57.80): VV0



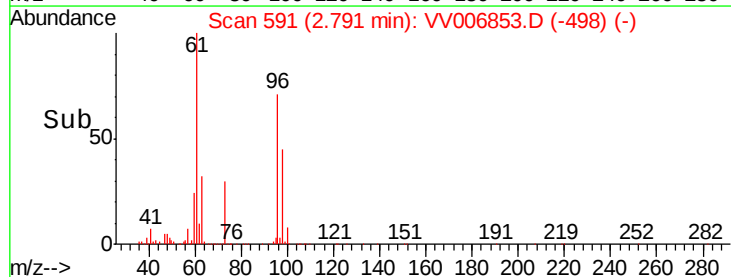
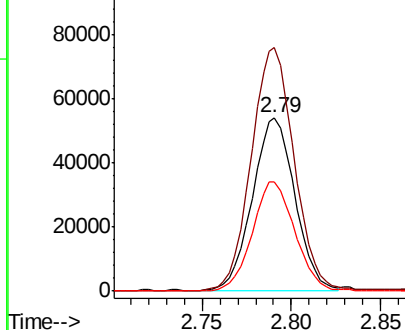
#18

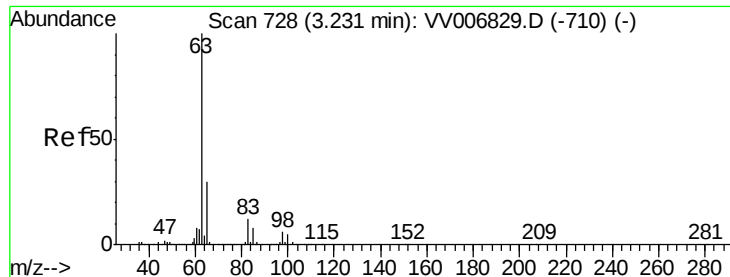
trans-1,2-Dichloroethene
 Concen: 5.296 ug/L
 RT: 2.79 min Scan# 591
 Delta R.T. 0.00 min
 Lab File: VV006853.D
 Acq: 03 Aug 2018 18:03

Tgt Ion:	96	Resp:	89314
Ion	Ratio	Lower	Upper
96	100		
61	140.6	99.0	183.8
98	63.1	42.8	79.4



Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 97.95 (97.65 to 98.65): VV0

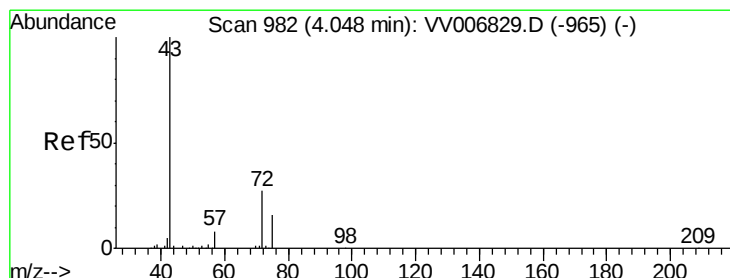
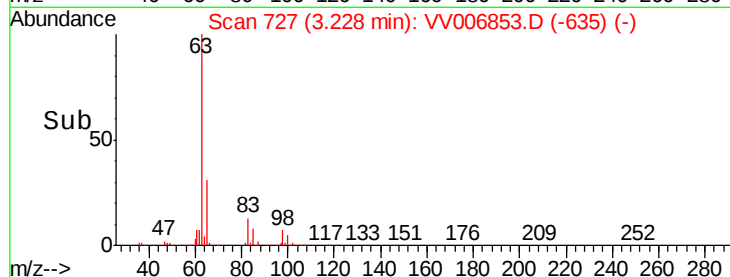
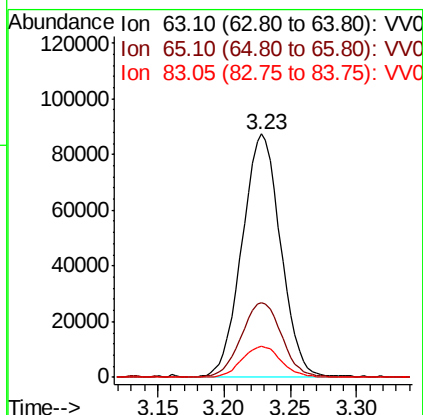
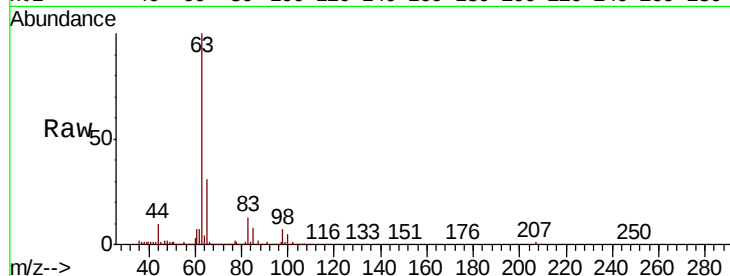




#19
 1,1-Dichloroethane
 Concen: 5.576 ug/L
 RT: 3.23 min Scan# 727
 Delta R.T. -0.00 min
 Lab File: VV006853.D
 Acq: 03 Aug 2018 18:03

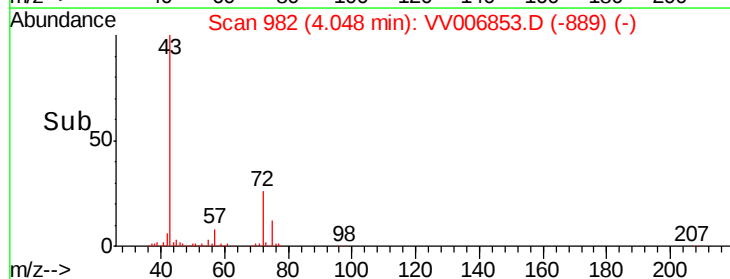
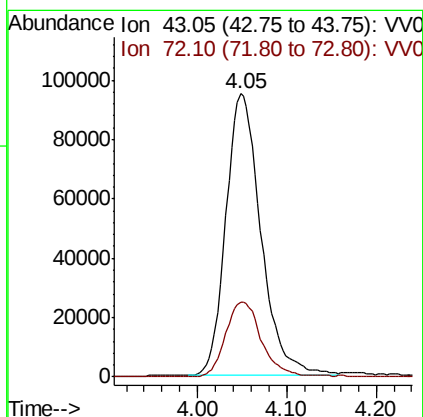
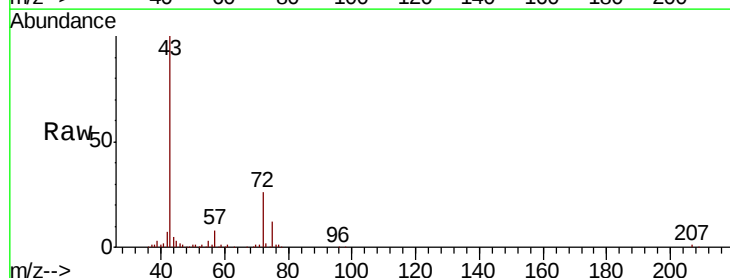
Instrument :
 MSVOA_V
 ClientSampleId :

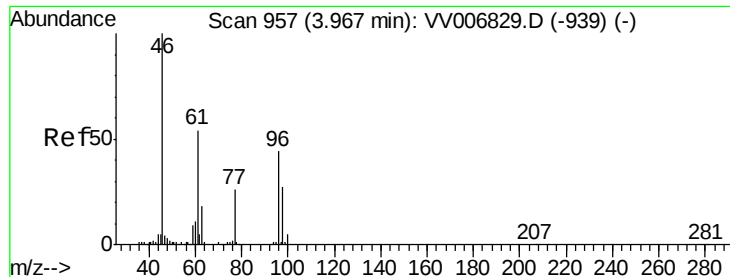
Tot Ion: 63 Resp: 175602
 Ion Ratio Lower Upper
 63 100
 65 30.6 22.2 41.2
 83 12.5 9.0 16.6



#21
 2-Butanone
 Concen: 59.275 ug/L
 RT: 4.05 min Scan# 982
 Delta R.T. 0.00 min
 Lab File: VV006853.D
 Acq: 03 Aug 2018 18:03

Tgt Ion: 43 Resp: 259901
 Ion Ratio Lower Upper
 43 100
 72 26.9 13.4 40.1



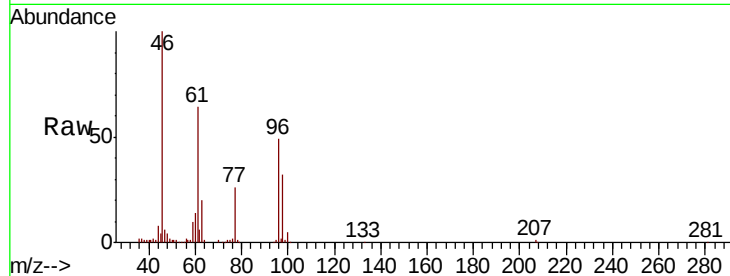


#22

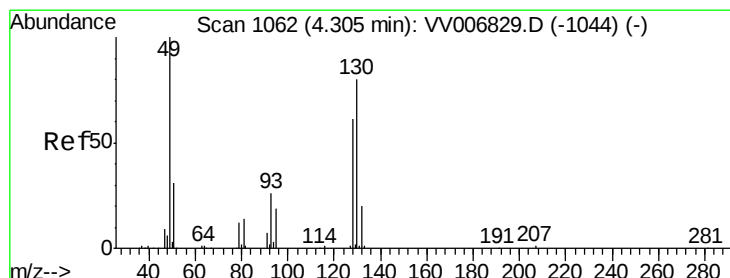
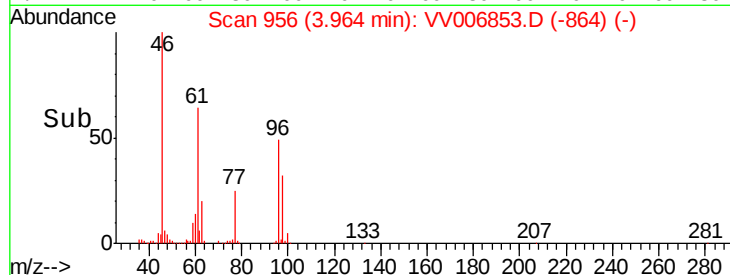
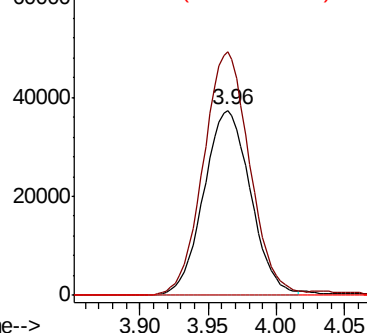
cis-1,2-Dichloroethene
Concen: 4.928 ug/L
RT: 3.96 min Scan# 956
Delta R.T. -0.00 min
Lab File: VV006853.D
Acq: 03 Aug 2018 18:03

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 96 Resp: 89212
Ion Ratio Lower Upper
96 100
61 131.5 86.6 160.8
68 0.0 0.0 0.0



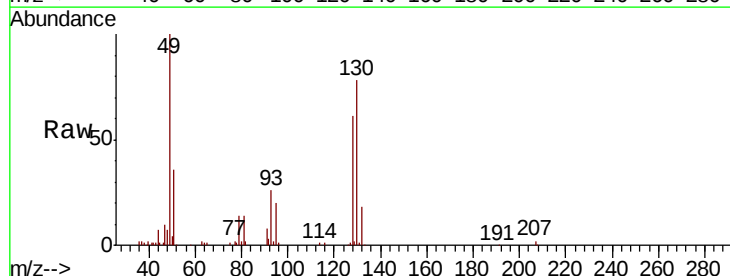
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 68.15 (67.85 to 68.85): VV0



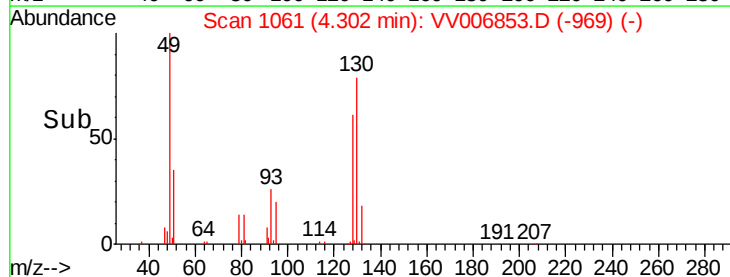
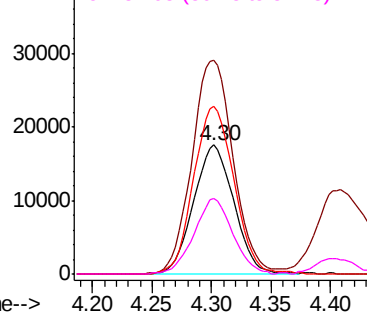
#23

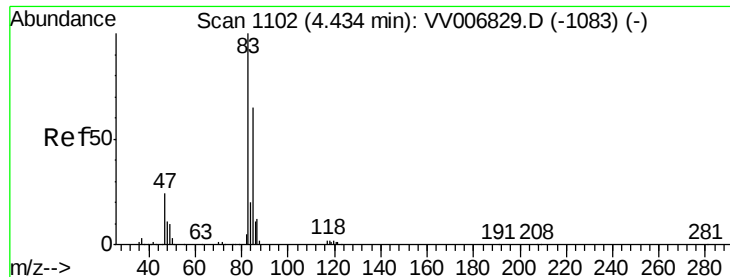
Bromochloromethane
Concen: 5.210 ug/L
RT: 4.30 min Scan# 1061
Delta R.T. -0.00 min
Lab File: VV006853.D
Acq: 03 Aug 2018 18:03

Tgt Ion: 128 Resp: 41030
Ion Ratio Lower Upper
128 100
49 165.3 113.3 210.5
130 129.7 87.1 161.7
51 58.7 44.8 67.2



Abundance Ion 127.90 (127.60 to 128.60): V
Ion 49.10 (48.80 to 49.80): VV0
Ion 129.95 (129.65 to 130.65): V
Ion 51.05 (50.75 to 51.75): VV0





#25

Chloroform

Concen: 5.458 ug/L

RT: 4.43 min Scan# 1101

Delta R.T. -0.00 min

Lab File: VV006853.D

Acq: 03 Aug 2018 18:03

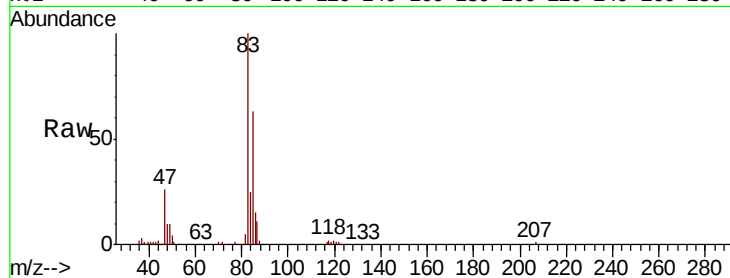
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 83 Resp: 167160

Ion Ratio Lower Upper

83 100

85 62.8 45.4 84.2



Abundance Ion 83.05 (82.75 to 83.75): VV006829.D (-1083) (-)

Ion 85.00 (84.70 to 85.70): VV006829.D (-1083) (-)

4.43

60000

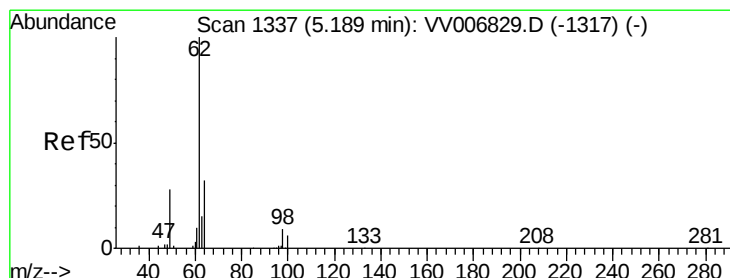
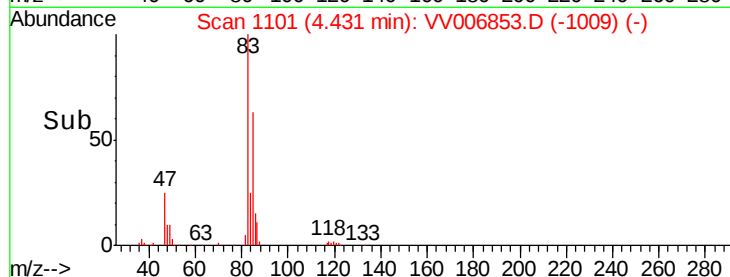
40000

20000

0

4.35 4.40 4.45 4.50

Time-->



#27

1,2-Dichloroethane

Concen: 5.442 ug/L

RT: 5.19 min Scan# 1336

Delta R.T. -0.00 min

Lab File: VV006853.D

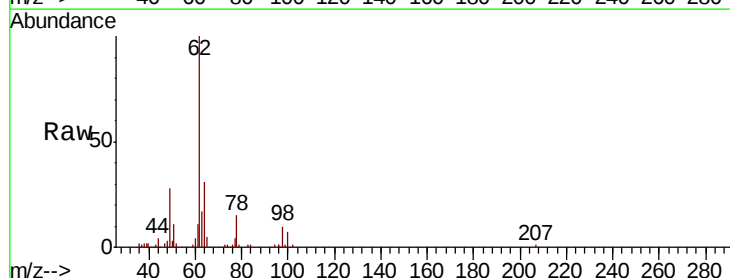
Acq: 03 Aug 2018 18:03

Tgt Ion: 62 Resp: 101389

Ion Ratio Lower Upper

62 100

98 10.6 8.8 13.2



Abundance Ion 62.00 (61.70 to 62.70): VV006829.D (-1317) (-)

Ion 98.05 (97.75 to 98.75): VV006829.D (-1317) (-)

5.19

50000

40000

30000

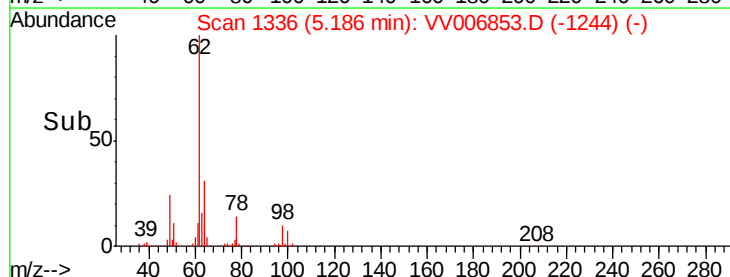
20000

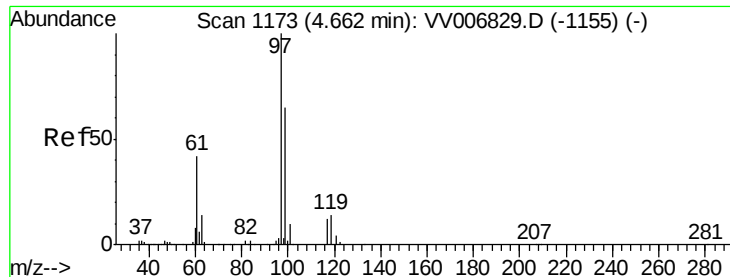
10000

0

5.10 5.20 5.30

Time-->

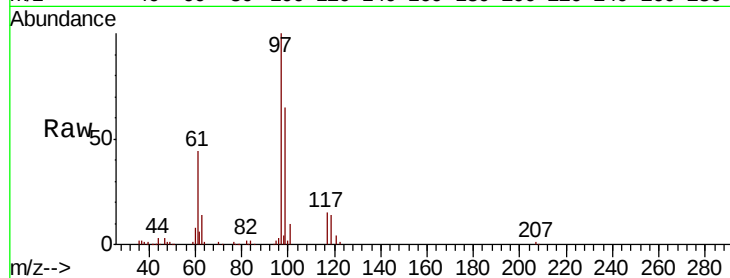




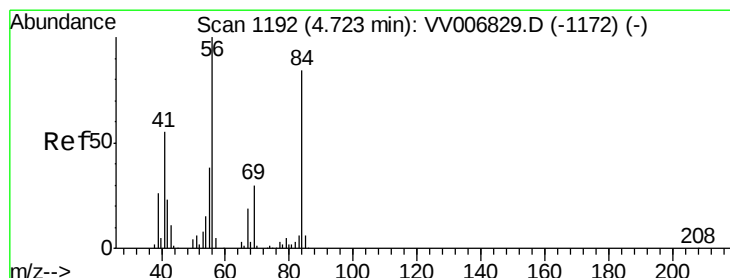
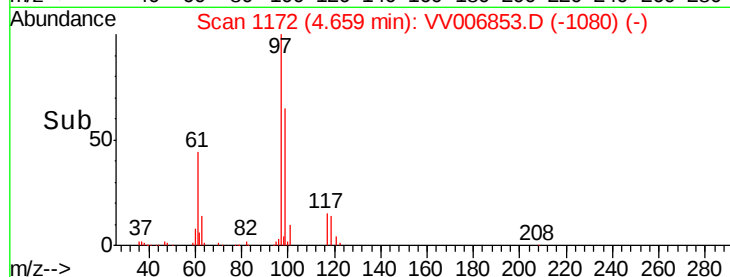
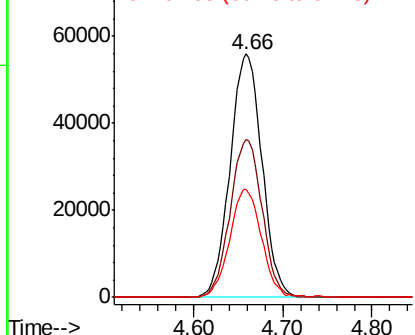
#29
 1,1,1-Trichloroethane
 Concen: 5.210 ug/L
 RT: 4.66 min Scan# 1172
 Delta R.T. -0.00 min
 Lab File: VV006853.D
 Acq: 03 Aug 2018 18:03

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 97 Resp: 138731
 Ion Ratio Lower Upper
 97 100
 99 64.7 51.8 77.8
 61 44.4 34.8 52.2

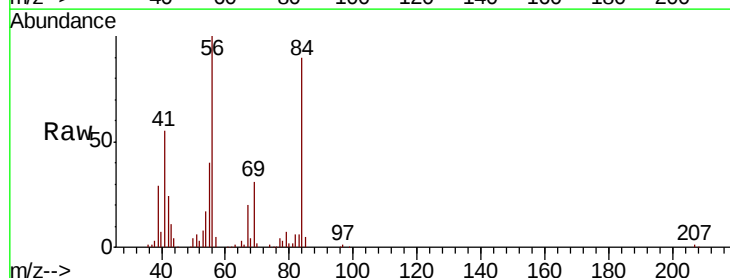


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 61.05 (60.75 to 61.75): VV0

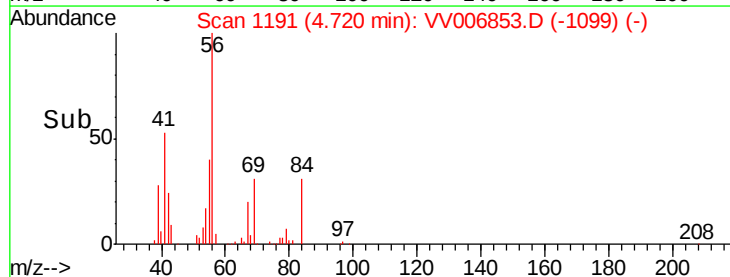
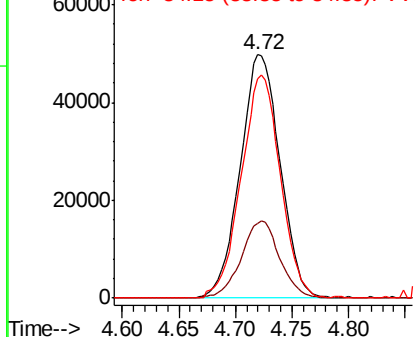


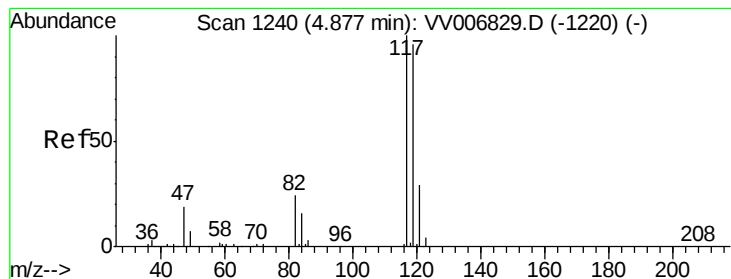
#30
 Cyclohexane
 Concen: 4.435 ug/L
 RT: 4.72 min Scan# 1191
 Delta R.T. -0.00 min
 Lab File: VV006853.D
 Acq: 03 Aug 2018 18:03

Tgt Ion: 56 Resp: 122302
 Ion Ratio Lower Upper
 56 100
 69 30.5 24.4 36.6
 84 89.9 69.4 104.2



Abundance Ion 56.10 (55.80 to 56.80): VV0
 Ion 69.15 (68.85 to 69.85): VV0
 Ion 84.15 (83.85 to 84.85): VV0





#31

Carbon tetrachloride

Concen: 5.240 ug/L

RT: 4.88 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VV006853.D

Acq: 03 Aug 2018 18:03

Instrument :

MSVOA_V

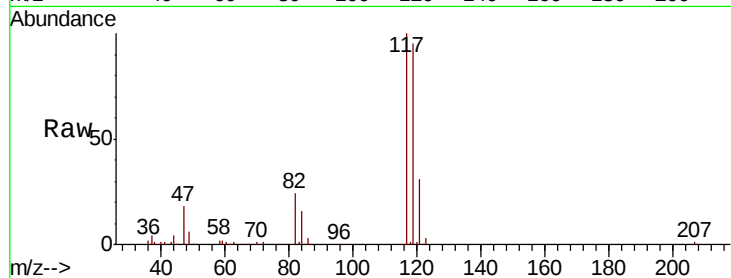
ClientSampled :

Tot Ion:117 Resp: 114877

Ion Ratio Lower Upper

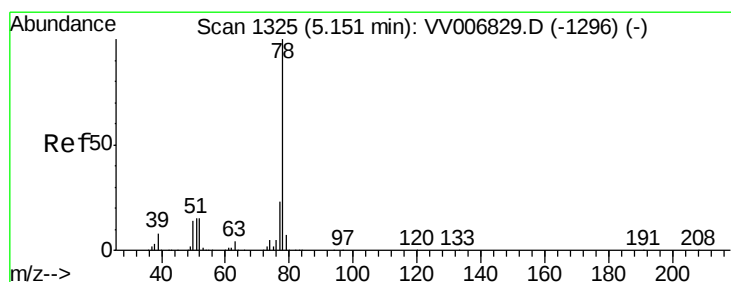
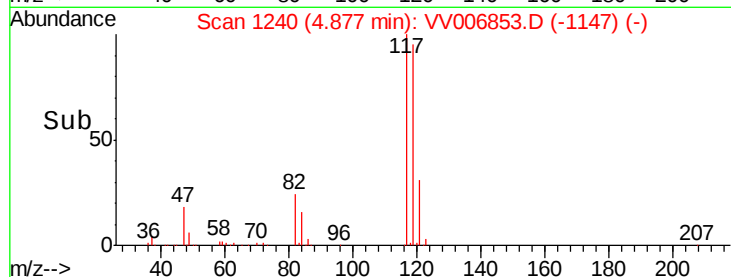
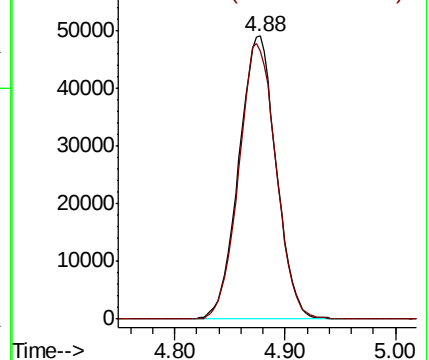
117 100

119 97.3 75.1 112.7



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 4.939 ug/L

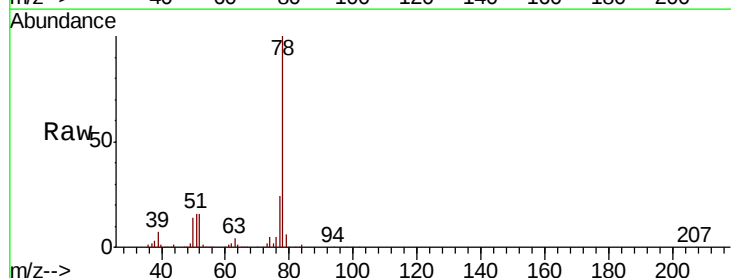
RT: 5.15 min Scan# 1325

Delta R.T. 0.00 min

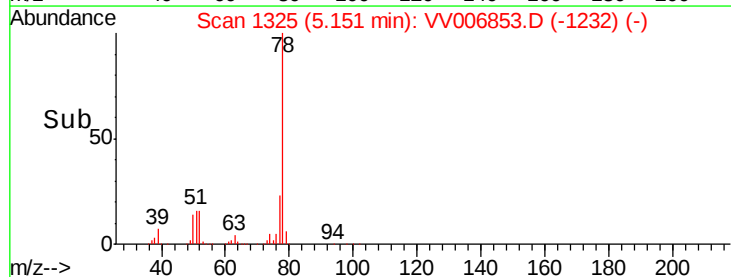
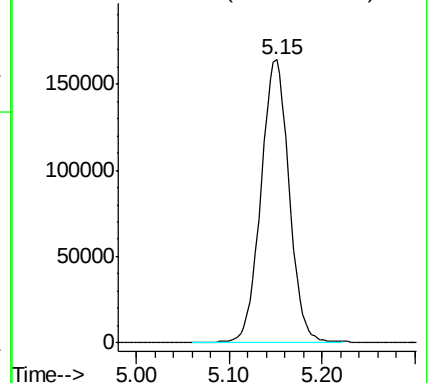
Lab File: VV006853.D

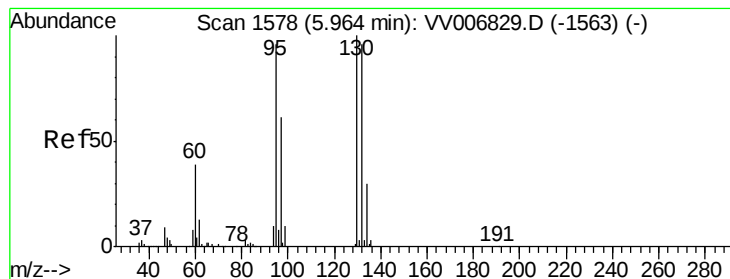
Acq: 03 Aug 2018 18:03

Tgt Ion: 78 Resp: 348562



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 4.798 ug/L

RT: 5.96 min Scan# 1577

Delta R.T. -0.00 min

Lab File: VV006853.D

Acq: 03 Aug 2018 18:03

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion: 95 Resp: 86188

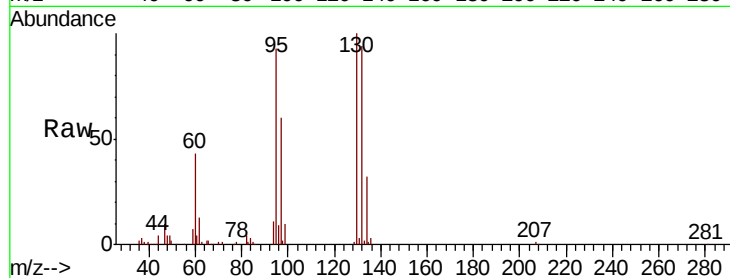
Ion Ratio Lower Upper

95 100

97 64.7 46.3 86.1

132 101.2 72.0 133.6

130 107.3 72.4 134.4

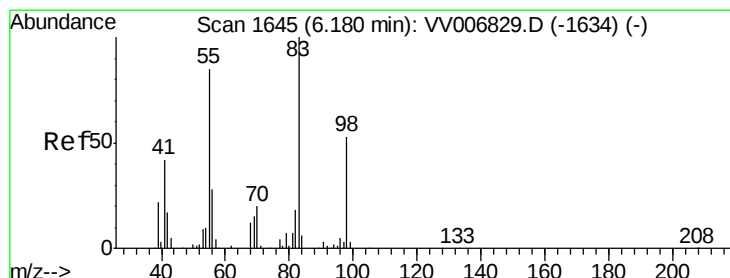
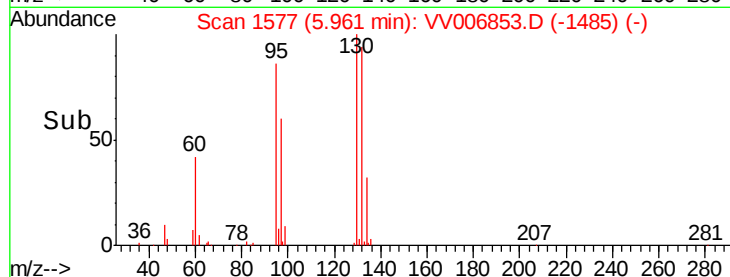
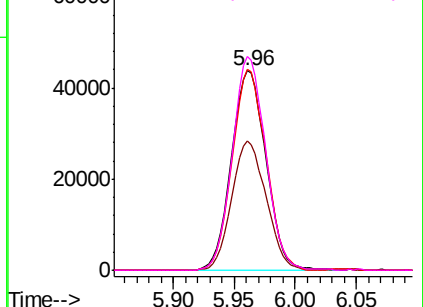


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 4.492 ug/L

RT: 6.18 min Scan# 1644

Delta R.T. -0.00 min

Lab File: VV006853.D

Acq: 03 Aug 2018 18:03

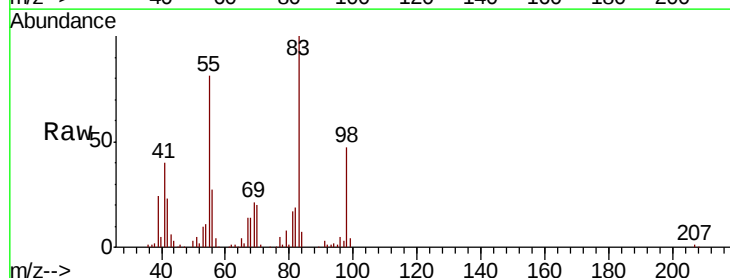
Tgt Ion: 83 Resp: 128140

Ion Ratio Lower Upper

83 100

55 79.2 61.8 92.6

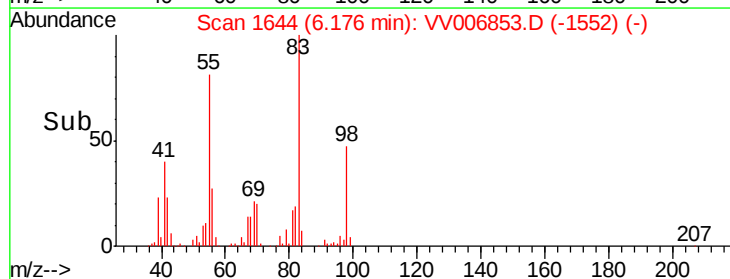
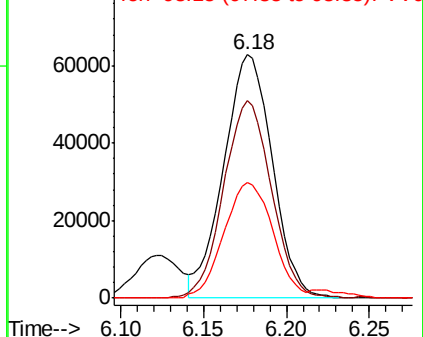
98 47.7 37.2 55.8

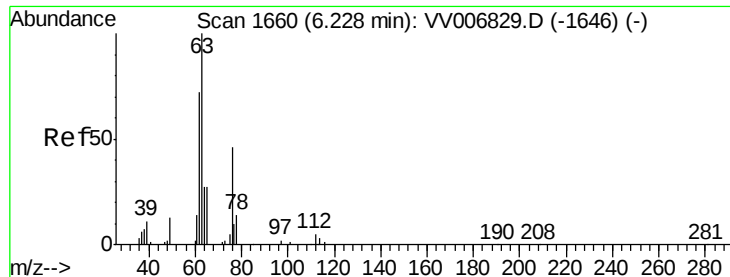


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

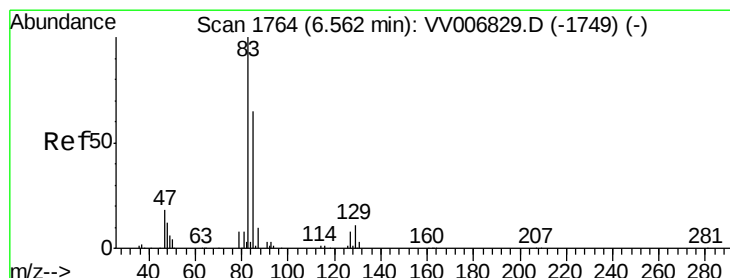
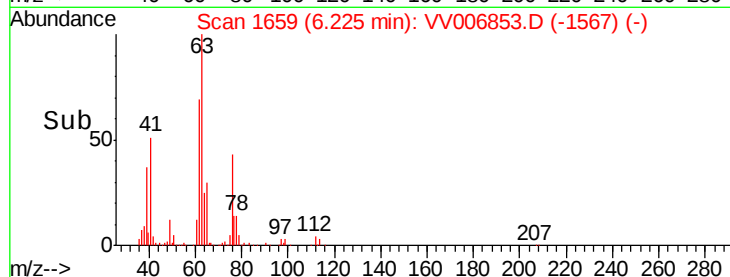
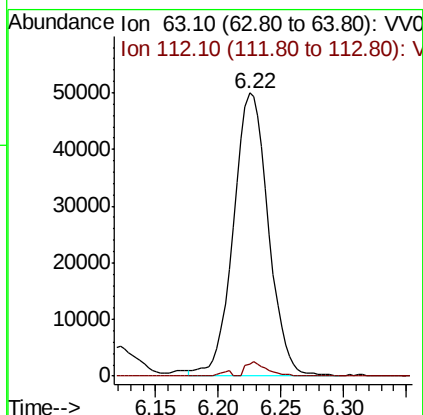
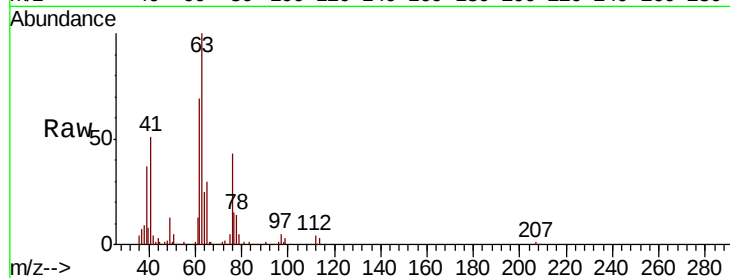




#37
 1,2-Dichloropropane
 Concen: 5.173 ug/L
 RT: 6.22 min Scan# 1659
 Delta R.T. -0.00 min
 Lab File: VV006853.D
 Acq: 03 Aug 2018 18:03

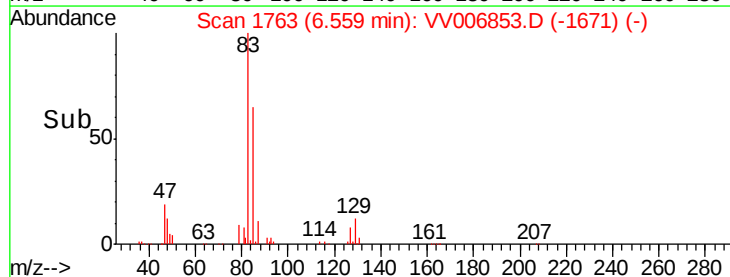
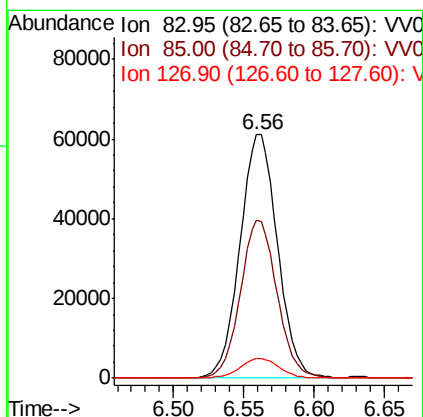
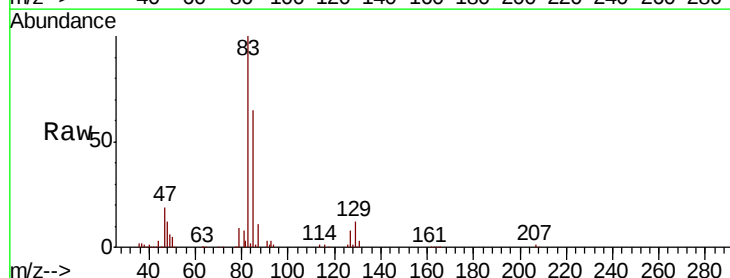
Instrument :
 MSVOA_V
 ClientSampleId :

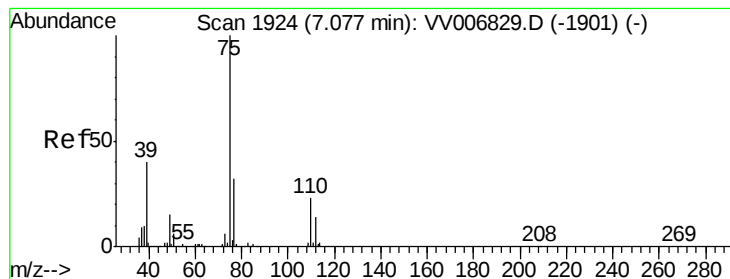
Tot Ion: 63 Resp: 95741
 Ion Ratio Lower Upper
 63 100
 112 3.2 3.0 4.6



#38
 Bromodichloromethane
 Concen: 5.413 ug/L
 RT: 6.56 min Scan# 1763
 Delta R.T. -0.00 min
 Lab File: VV006853.D
 Acq: 03 Aug 2018 18:03

Tgt Ion: 83 Resp: 114019
 Ion Ratio Lower Upper
 83 100
 85 65.0 46.7 86.7
 127 8.2 6.4 9.6



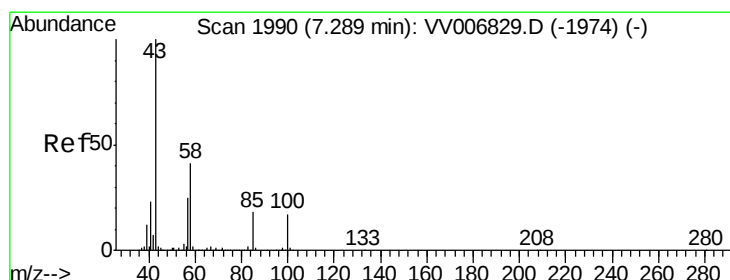
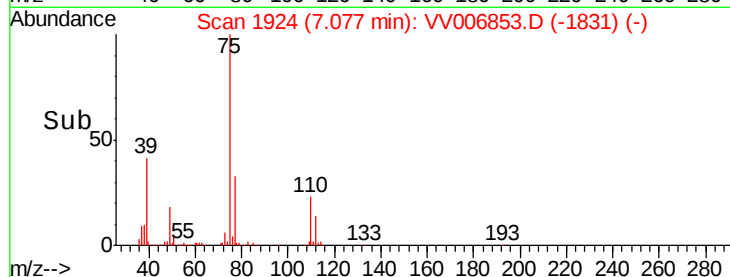
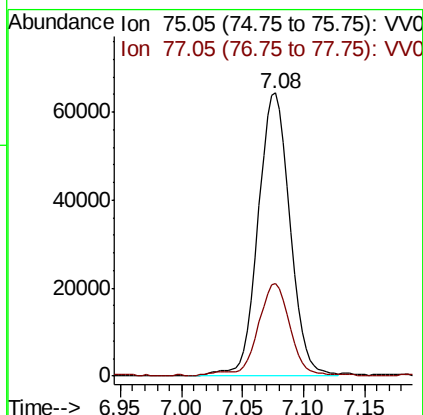
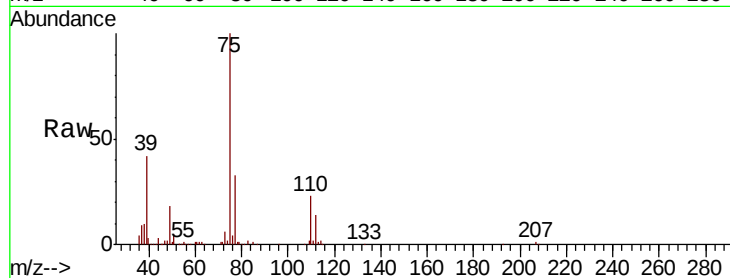


#39

cis-1,3-Dichloropropene
Concen: 4.895 ug/L
RT: 7.08 min Scan# 1924
Delta R.T. 0.00 min
Lab File: VV006853.D
Acq: 03 Aug 2018 18:03

Instrument :
MSVOA_V
ClientSampleId :

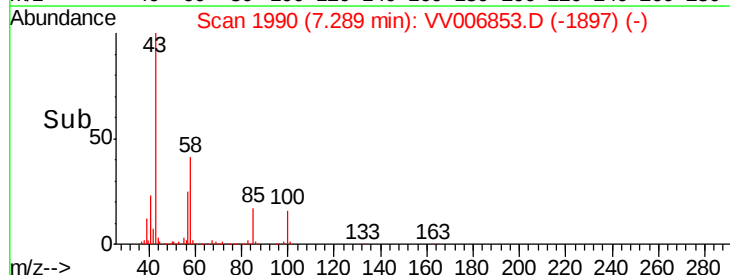
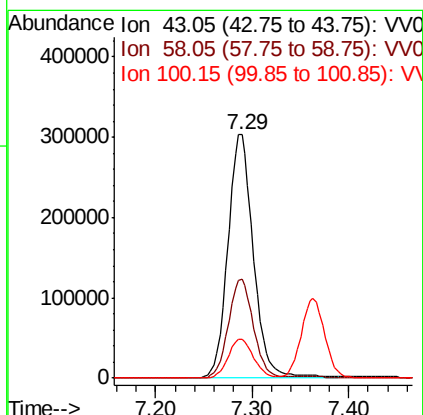
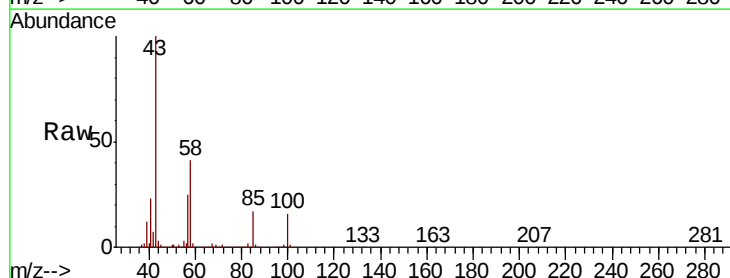
Tot Ion: 75 Resp: 116982
Ion Ratio Lower Upper
75 100
77 33.0 22.5 41.9

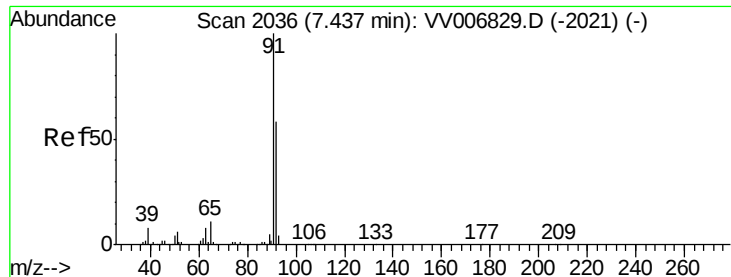


#40

4-Methyl-2-pentanone
Concen: 54.292 ug/L
RT: 7.29 min Scan# 1990
Delta R.T. 0.00 min
Lab File: VV006853.D
Acq: 03 Aug 2018 18:03

Tgt Ion: 43 Resp: 556061
Ion Ratio Lower Upper
43 100
58 39.8 32.6 48.8
100 15.7 13.1 19.7





#42

Toluene

Concen: 4.982 ug/L

RT: 7.43 min Scan# 2035

Delta R.T. -0.00 min

Lab File: VV006853.D

Acq: 03 Aug 2018 18:03

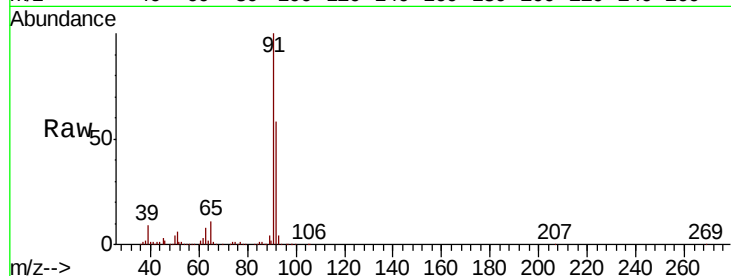
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 91 Resp: 345922

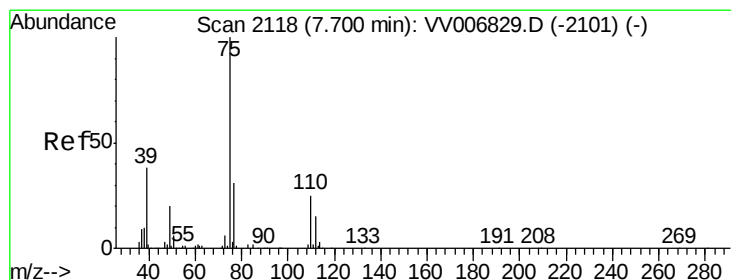
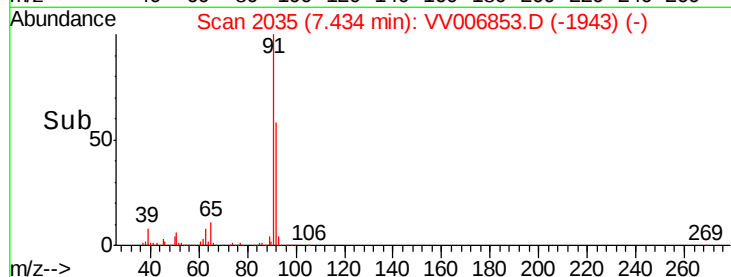
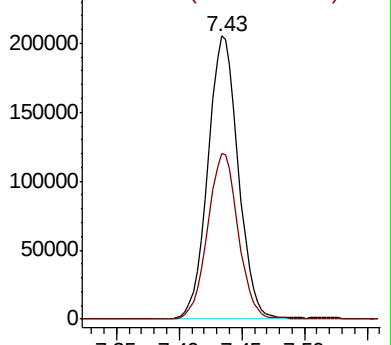
Ion Ratio Lower Upper

91 100

92 58.4 41.4 77.0



Abundance Ion 91.15 (90.85 to 91.85): VV006829.D (-2021) (-)



#44

trans-1,3-Dichloropropene

Concen: 5.039 ug/L

RT: 7.70 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VV006853.D

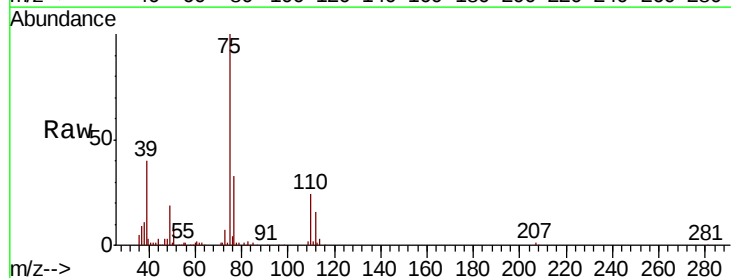
Acq: 03 Aug 2018 18:03

Tgt Ion: 75 Resp: 99146

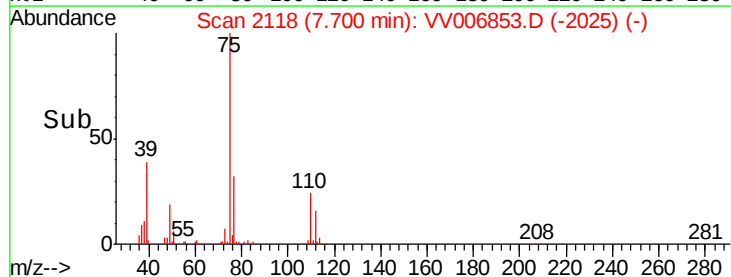
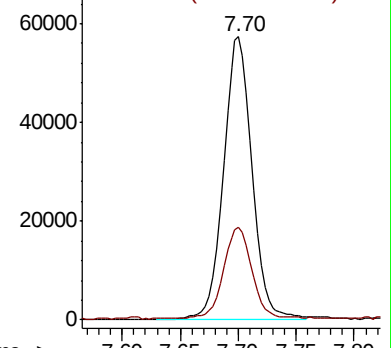
Ion Ratio Lower Upper

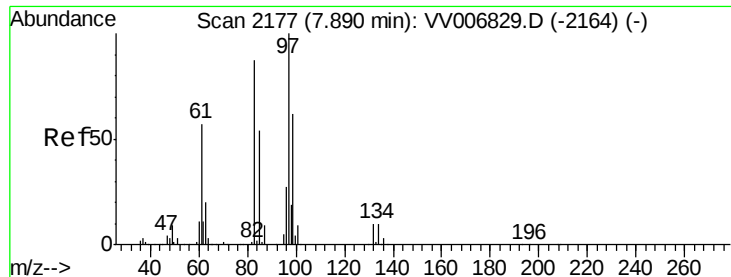
75 100

77 32.8 20.5 38.1



Abundance Ion 75.05 (74.75 to 75.75): VV006829.D (-2101) (-)

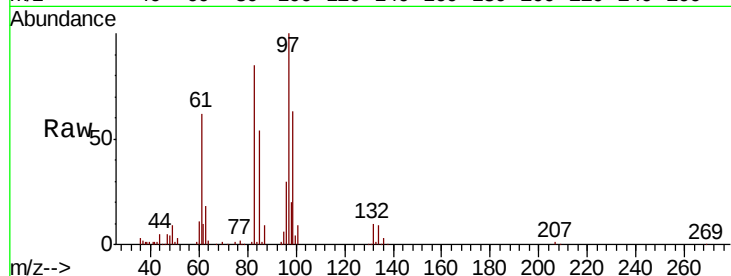




#45
 1,1,2-Trichloroethane
 Concen: 5.376 ug/L
 RT: 7.89 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VV006853.D
 Acq: 03 Aug 2018 18:03

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:	97	Resp:	71934
Ion	Ratio	Lower	Upper
97	100		
99	63.0	42.2	78.4
83	84.7	58.0	107.8
85	54.4	38.2	71.0



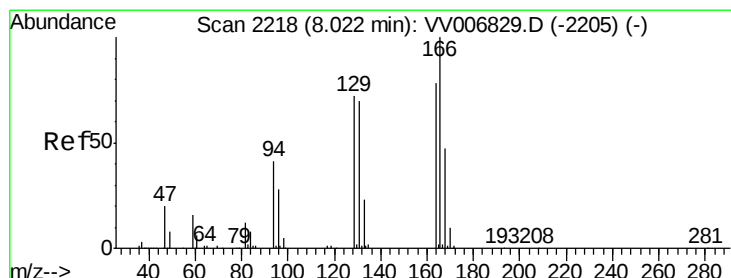
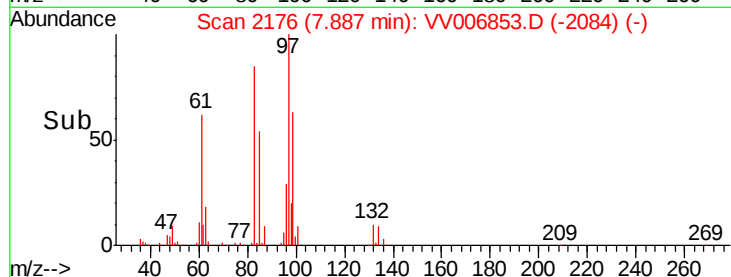
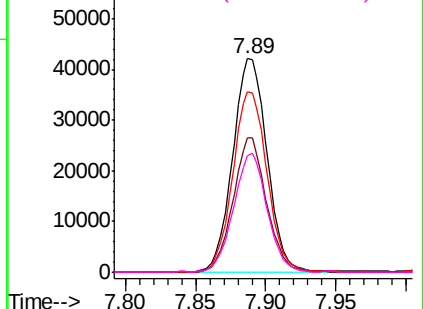
Abundance

Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

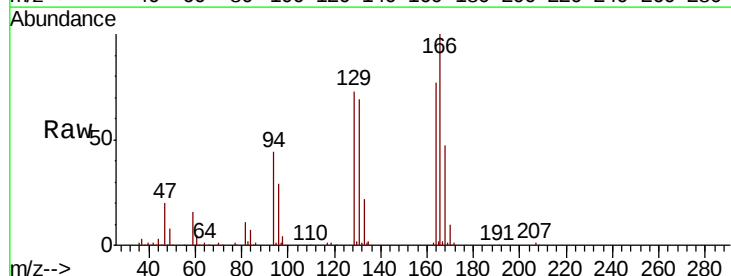
Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0



#47
 Tetrachloroethene
 Concen: 4.988 ug/L
 RT: 8.02 min Scan# 2218
 Delta R.T. 0.00 min
 Lab File: VV006853.D
 Acq: 03 Aug 2018 18:03

Tgt Ion:	164	Resp:	71379
Ion	Ratio	Lower	Upper
164	100		
129	94.2	61.1	113.5
131	89.7	59.1	109.7
166	129.1	88.3	163.9



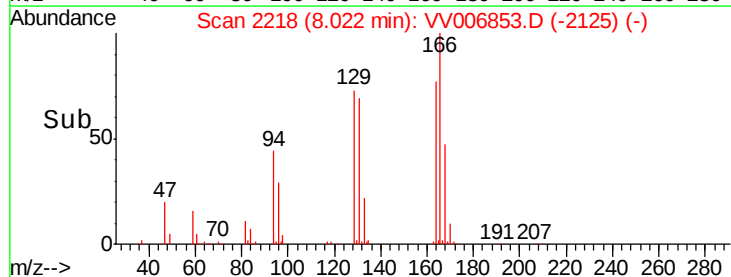
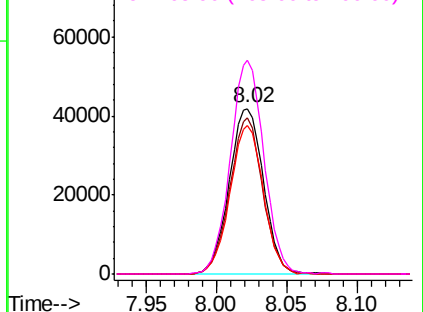
Abundance

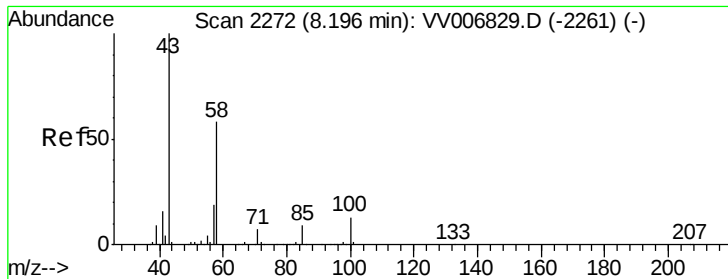
Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

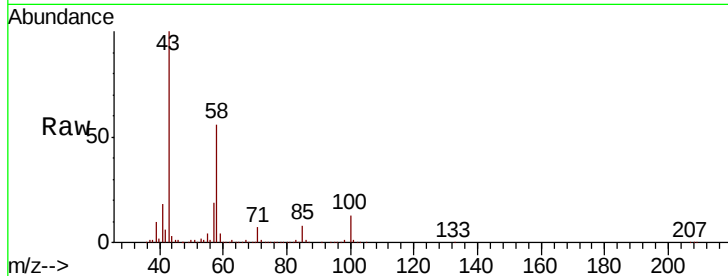




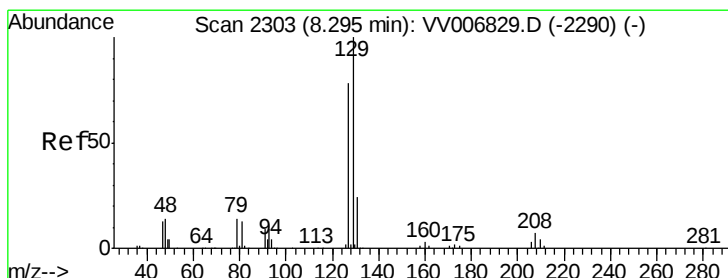
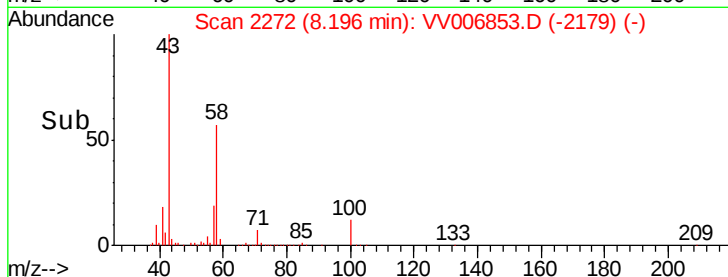
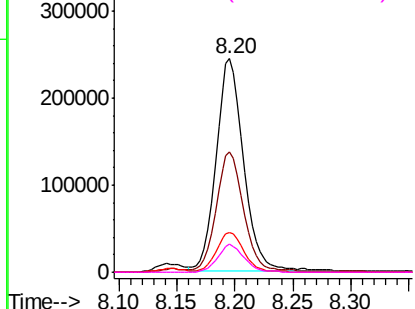
#48
2-Hexanone
Concen: 58.296 ug/L
RT: 8.20 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VV006853.D
Acq: 03 Aug 2018 18:03

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 405124
Ion Ratio Lower Upper
43 100
58 56.1 45.4 68.0
57 18.6 15.4 23.2
100 12.7 10.6 16.0

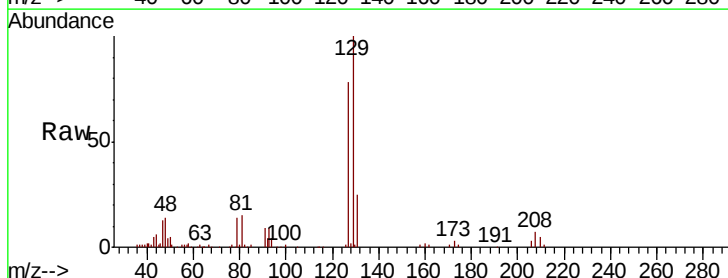


Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0

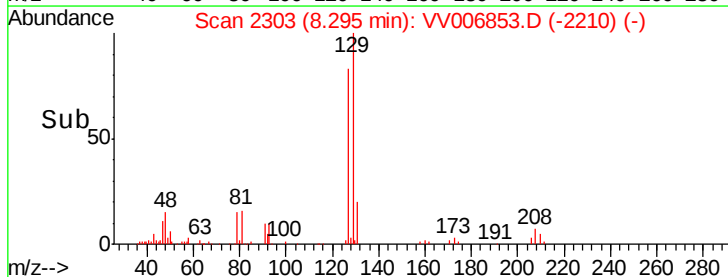
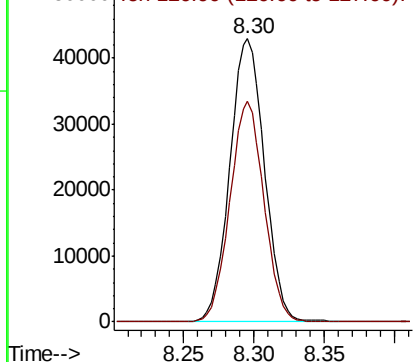


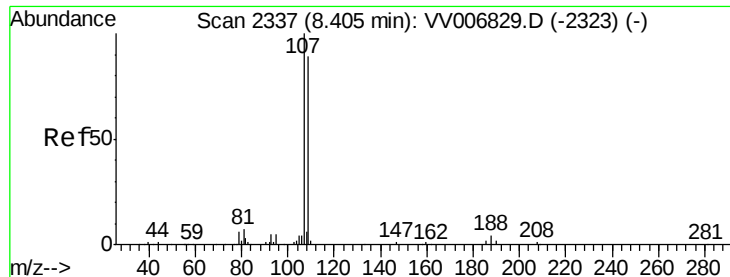
#49
Dibromochloromethane
Concen: 5.464 ug/L
RT: 8.30 min Scan# 2303
Delta R.T. 0.00 min
Lab File: VV006853.D
Acq: 03 Aug 2018 18:03

Tgt Ion: 129 Resp: 73908
Ion Ratio Lower Upper
129 100
127 78.0 55.2 102.4



Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V

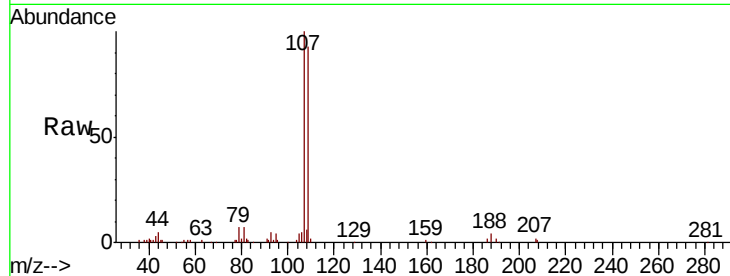




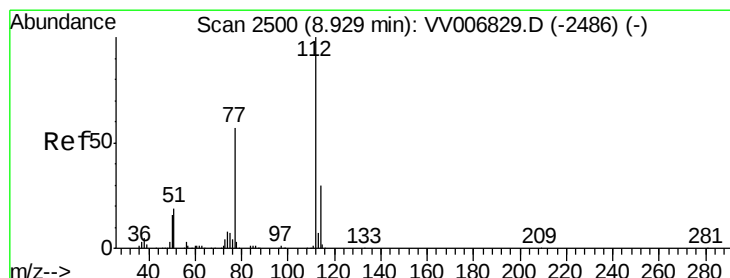
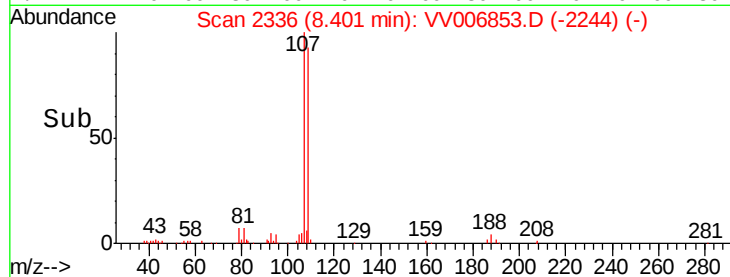
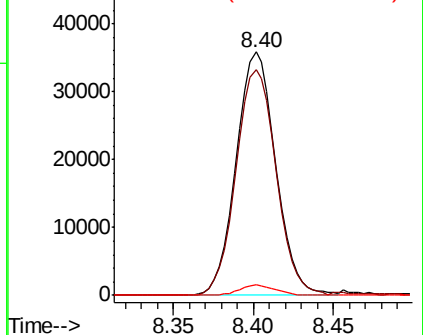
#50
1,2-Dibromoethane
Concen: 5.295 ug/L
RT: 8.40 min Scan# 2336
Delta R.T. -0.00 min
Lab File: VV006853.D
Acq: 03 Aug 2018 18:03

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:107 Resp: 60384
Ion Ratio Lower Upper
107 100
109 92.7 64.0 119.0
188 4.2 2.8 4.2

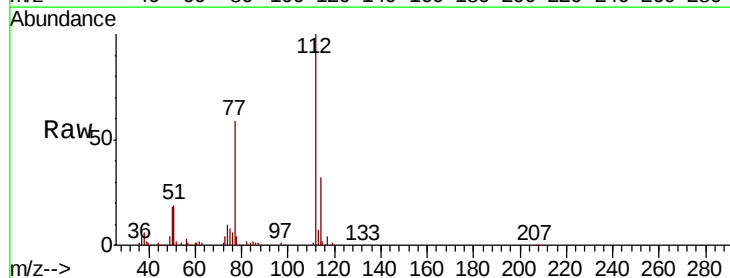


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

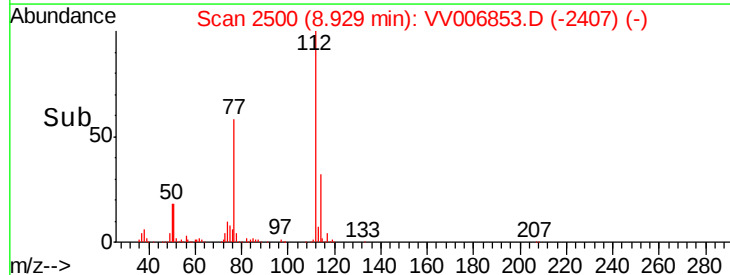
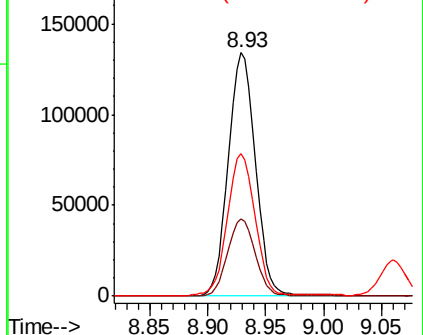


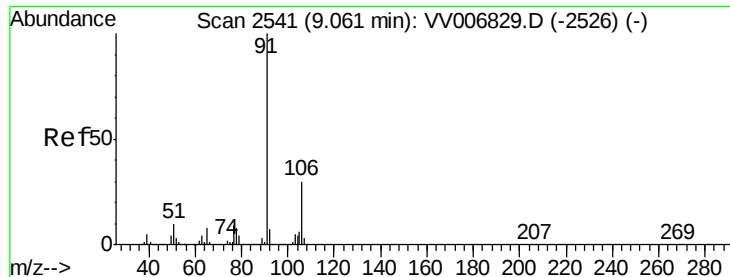
#51
Chlorobenzene
Concen: 4.864 ug/L
RT: 8.93 min Scan# 2500
Delta R.T. 0.00 min
Lab File: VV006853.D
Acq: 03 Aug 2018 18:03

Tgt Ion:112 Resp: 217372
Ion Ratio Lower Upper
112 100
114 31.8 22.3 41.5
77 58.6 46.3 69.5



Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): V





#52

Ethylbenzene

Concen: 4.545 ug/L

RT: 9.06 min Scan# 2541

Delta R.T. 0.00 min

Lab File: VV006853.D

Acq: 03 Aug 2018 18:03

Instrument :

MSVOA_V

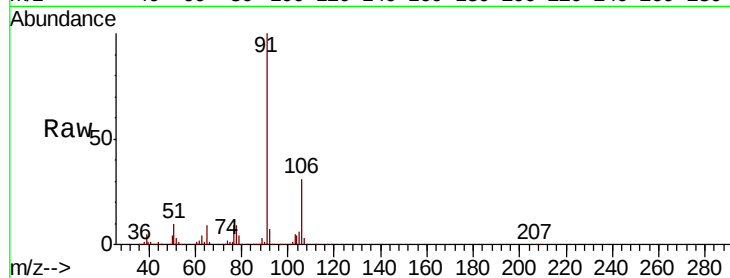
ClientSampleId :

Tot Ion: 91 Resp: 329649

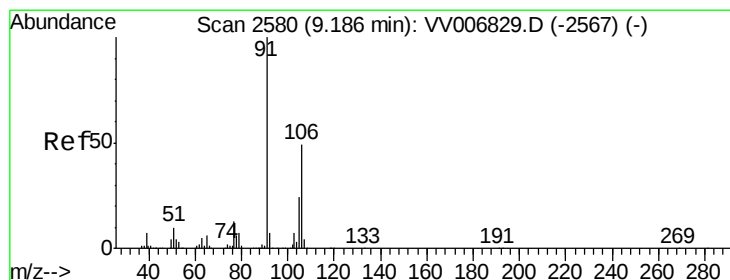
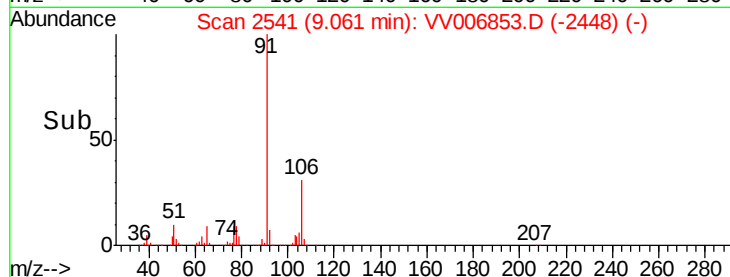
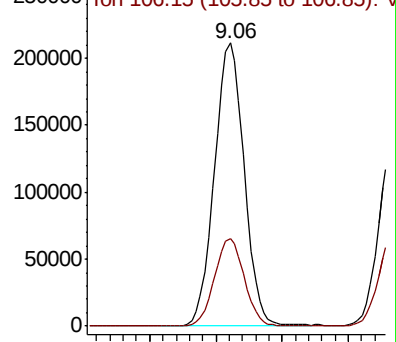
Ion Ratio Lower Upper

91 100

106 31.1 21.3 39.6



Abundance Ion 91.15 (90.85 to 91.85): VV006853.D (-2448) (-)



#53

m,p-xylene

Concen: 4.600 ug/L

RT: 9.19 min Scan# 2580

Delta R.T. 0.00 min

Lab File: VV006853.D

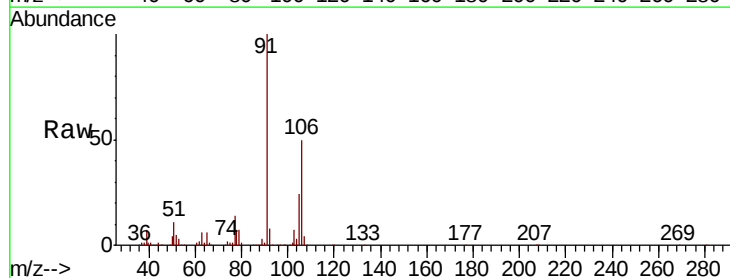
Acq: 03 Aug 2018 18:03

Tgt Ion: 106 Resp: 123853

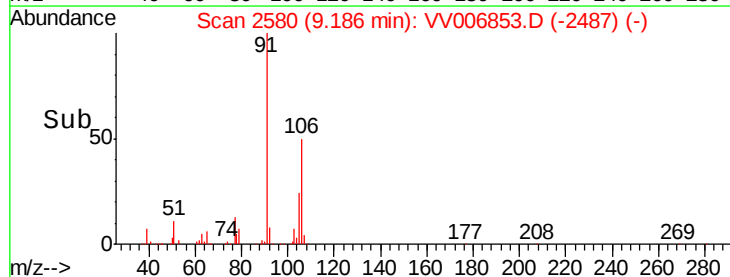
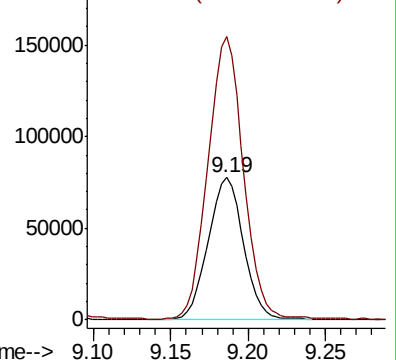
Ion Ratio Lower Upper

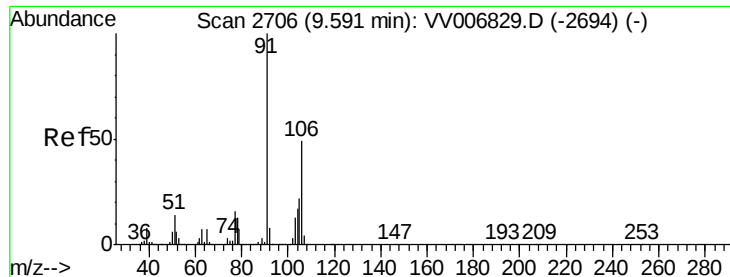
106 100

91 199.2 137.4 255.2



Abundance Ion 106.15 (105.85 to 106.85): VV006853.D (-2487) (-)





#54

o-xylene

Concen: 4.416 ug/L

RT: 9.59 min Scan# 2706

Delta R.T. 0.00 min

Lab File: VV006853.D

Acq: 03 Aug 2018 18:03

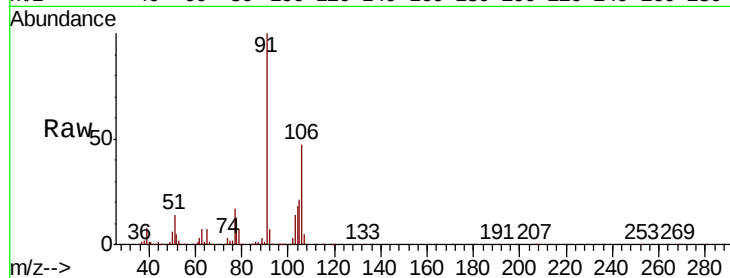
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:106 Resp: 119965

Ion Ratio Lower Upper

106 100

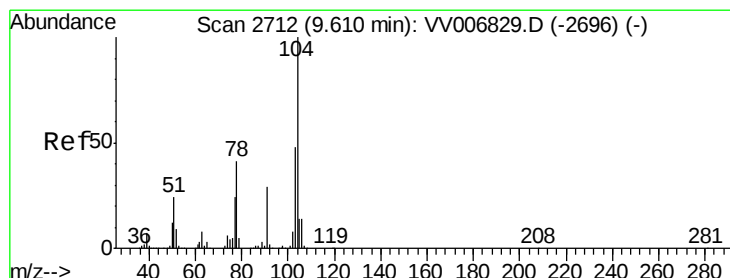
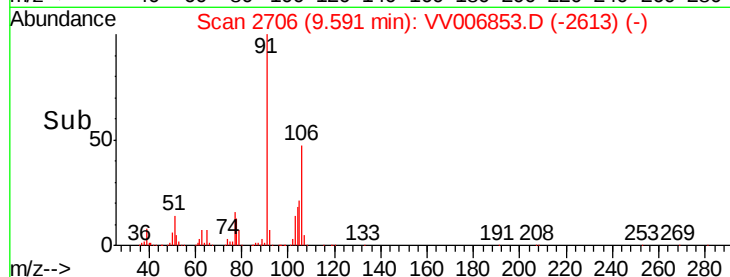
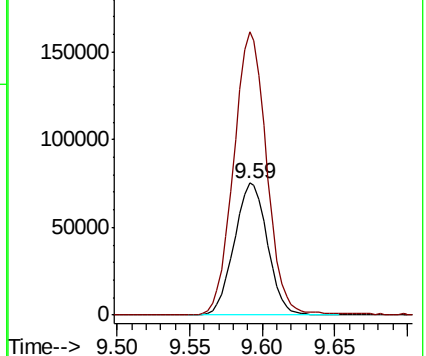
91 214.3 150.1 278.9



Abundance Ion 106.15 (105.85 to 106.85): VV006853.D (-2613) (-)

Ion 91.15 (90.85 to 91.85): VV006853.D (-2613) (-)

9.59



#55

Styrene

Concen: 4.489 ug/L

RT: 9.61 min Scan# 2711

Delta R.T. -0.00 min

Lab File: VV006853.D

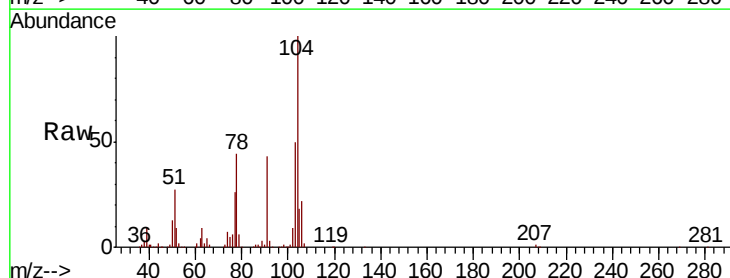
Acq: 03 Aug 2018 18:03

Tgt Ion:104 Resp: 191637

Ion Ratio Lower Upper

104 100

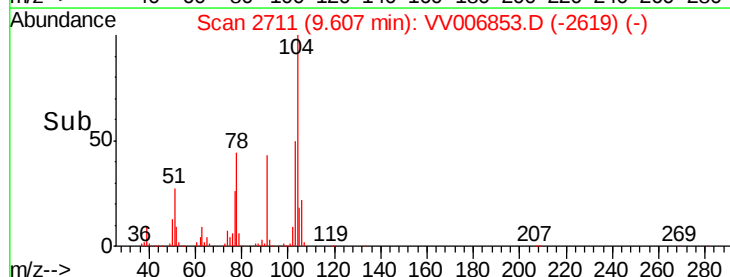
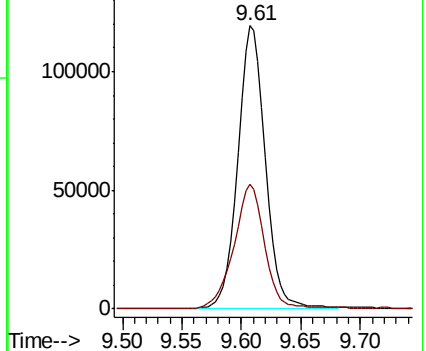
78 44.0 29.6 55.0

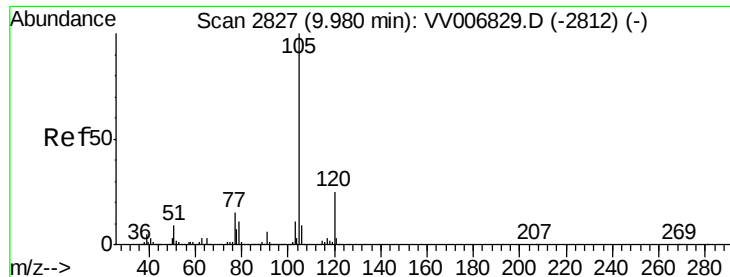


Abundance Ion 104.10 (103.80 to 104.80): VV006853.D (-2619) (-)

Ion 78.10 (77.80 to 78.80): VV006853.D (-2619) (-)

9.61





#56

Isopropylbenzene

Concen: 4.552 ug/L

RT: 9.98 min Scan# 2827

Delta R.T. 0.00 min

Lab File: VV006853.D

Acq: 03 Aug 2018 18:03

Instrument :

MSVOA_V

ClientSampleId :

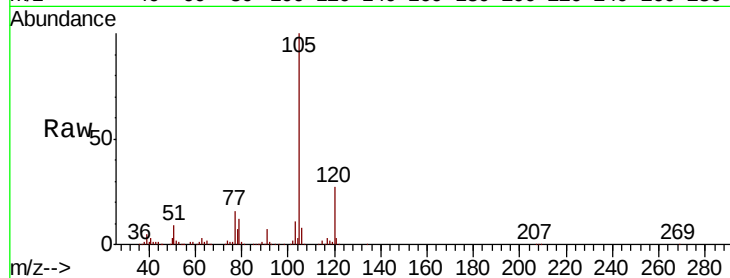
Tot Ion:105 Resp: 314642

Ion Ratio Lower Upper

105 100

120 26.9 21.1 31.7

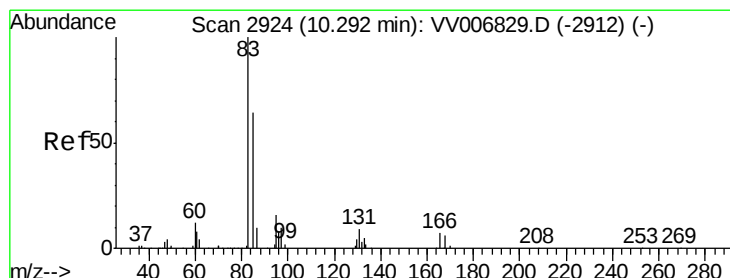
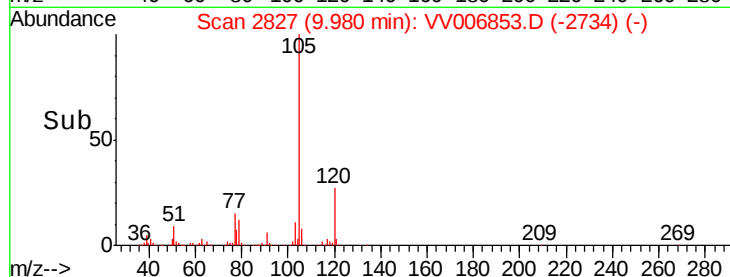
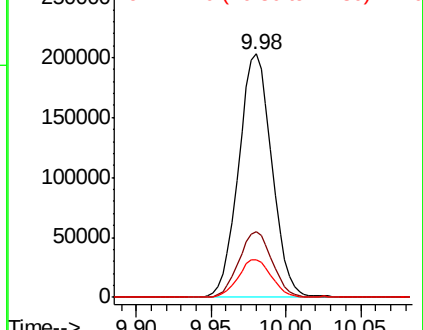
77 15.6 12.0 18.0



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 5.481 ug/L

RT: 10.29 min Scan# 2924

Delta R.T. 0.00 min

Lab File: VV006853.D

Acq: 03 Aug 2018 18:03

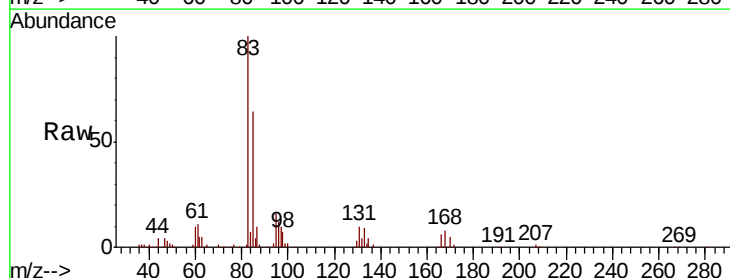
Tgt Ion: 83 Resp: 88756

Ion Ratio Lower Upper

83 100

85 64.3 44.1 81.9

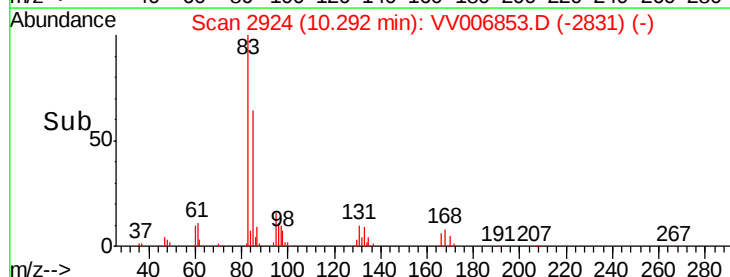
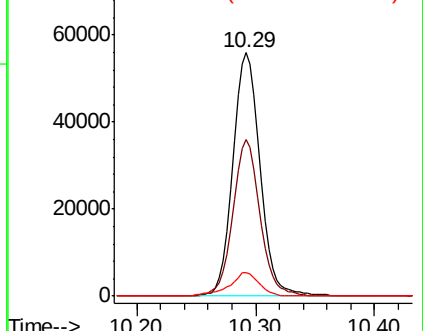
131 9.8 6.6 9.8

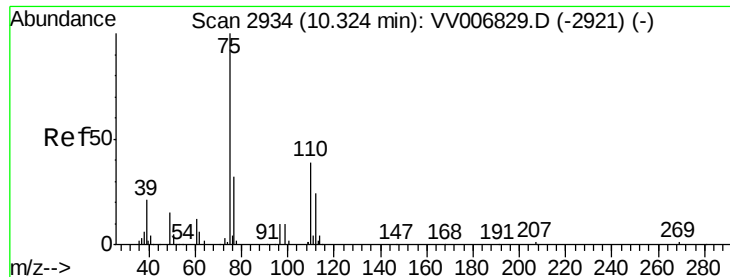


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 5.602 ug/L

RT: 10.32 min Scan# 2934

Delta R.T. 0.00 min

Lab File: VV006853.D

Acq: 03 Aug 2018 18:03

Instrument :

MSVOA_V

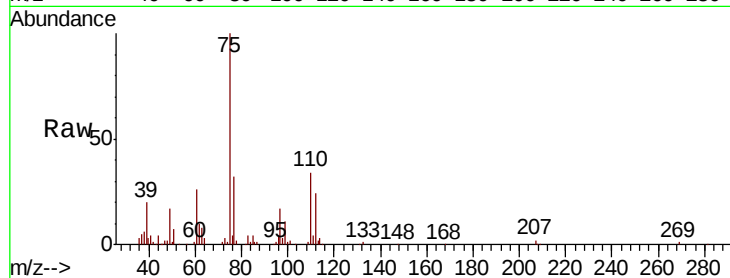
ClientSampleId :

Tot Ion: 75 Resp: 63747

Ion Ratio Lower Upper

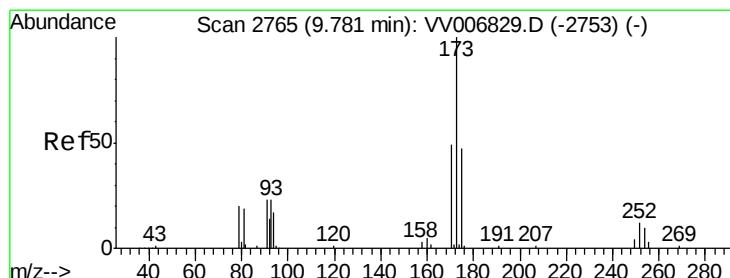
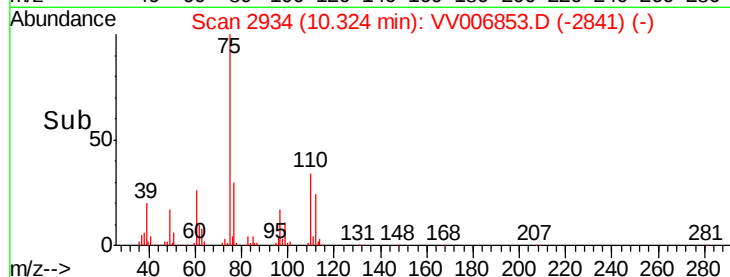
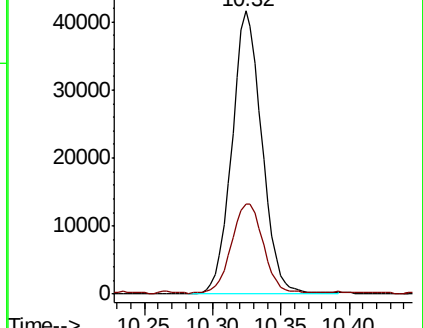
75 100

77 33.3 26.8 40.2



Abundance Ion 75.00 (74.70 to 75.70): VV006829.D (-2921) (-)

Ion 77.00 (76.70 to 77.70): VV006829.D (-2921) (-)



#61

Bromoform

Concen: 5.827 ug/L

RT: 9.78 min Scan# 2765

Delta R.T. 0.00 min

Lab File: VV006853.D

Acq: 03 Aug 2018 18:03

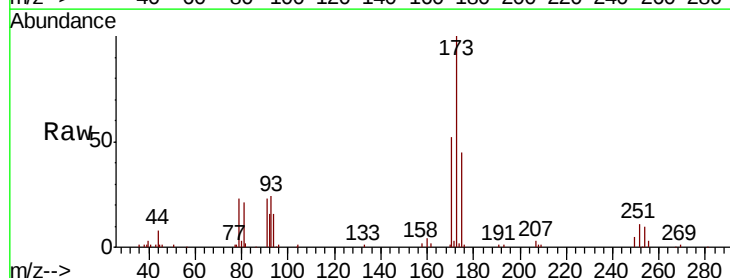
Tgt Ion: 173 Resp: 39309

Ion Ratio Lower Upper

173 100

175 45.1 39.3 58.9

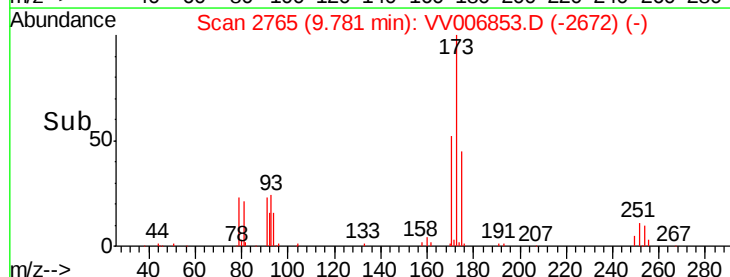
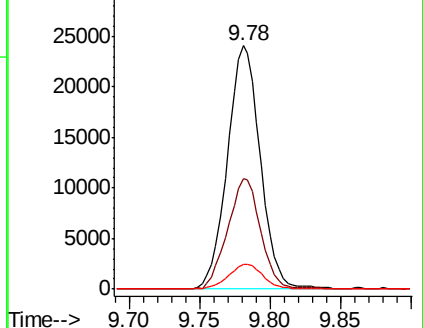
254 10.4 9.7 14.5

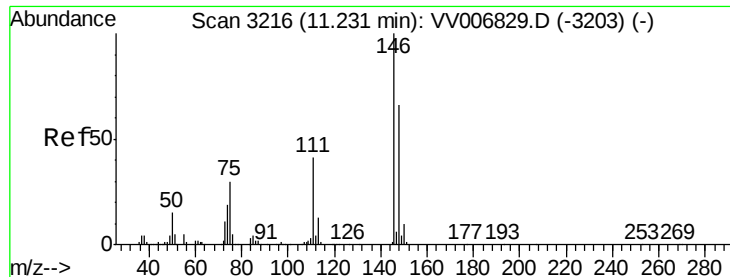


Abundance Ion 172.90 (172.60 to 173.60): VV006829.D (-2753) (-)

Ion 174.90 (174.60 to 175.60): VV006829.D (-2753) (-)

Ion 253.75 (253.45 to 254.45): VV006829.D (-2753) (-)





#62

1,3-Dichlorobenzene

Concen: 4.831 ug/L

RT: 11.23 min Scan# 3216

Delta R.T. 0.00 min

Lab File: VV006853.D

Acq: 03 Aug 2018 18:03

Instrument :

MSVOA_V

ClientSampleId :

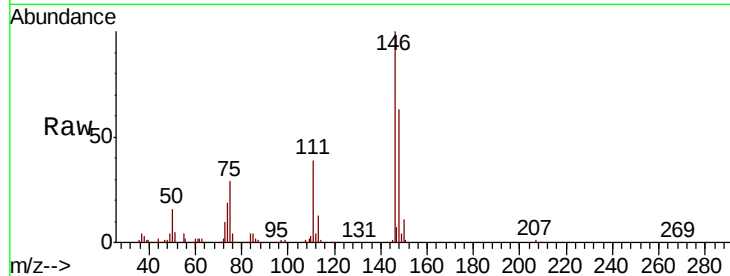
Tot Ion:146 Resp: 151258

Ion Ratio Lower Upper

146 100

111 38.7 27.3 50.7

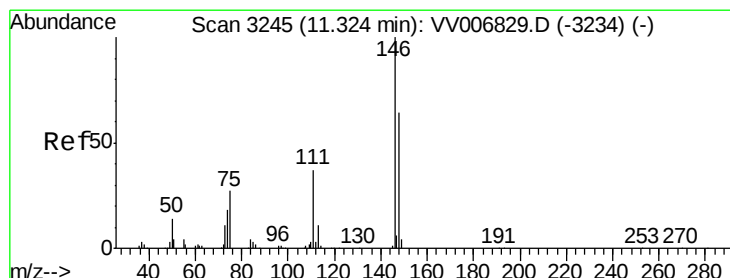
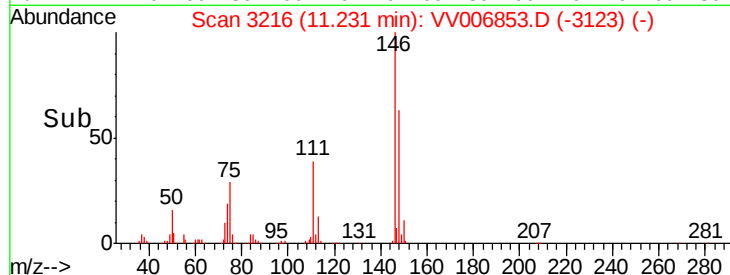
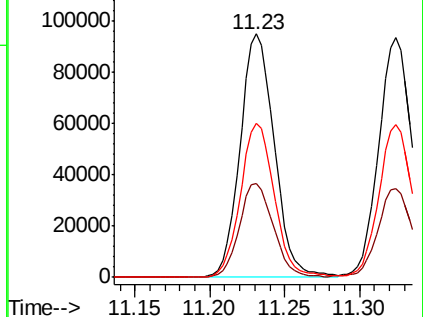
148 63.1 45.1 83.9



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 4.814 ug/L

RT: 11.32 min Scan# 3245

Delta R.T. 0.00 min

Lab File: VV006853.D

Acq: 03 Aug 2018 18:03

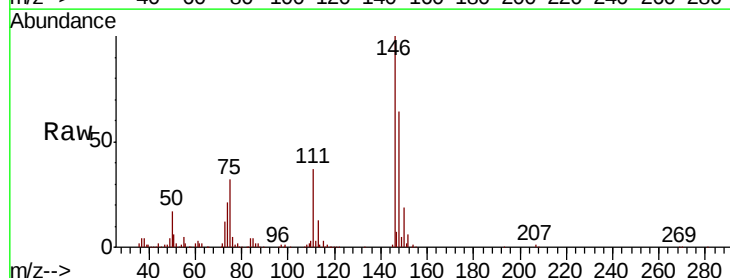
Tgt Ion:146 Resp: 149098

Ion Ratio Lower Upper

146 100

111 37.1 26.2 48.8

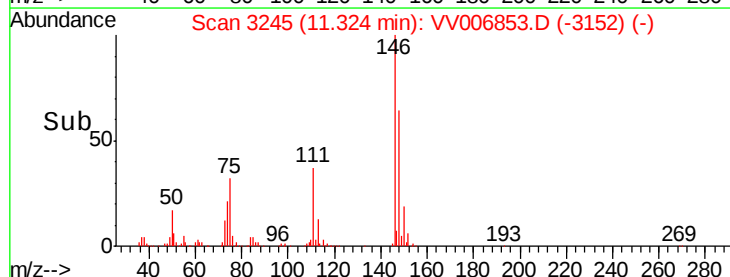
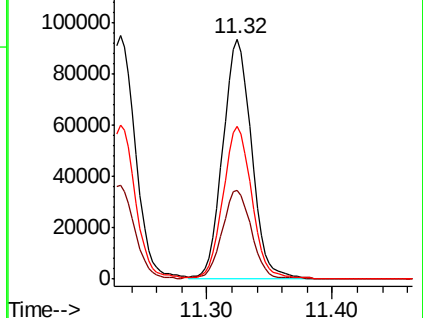
148 63.6 44.9 83.3

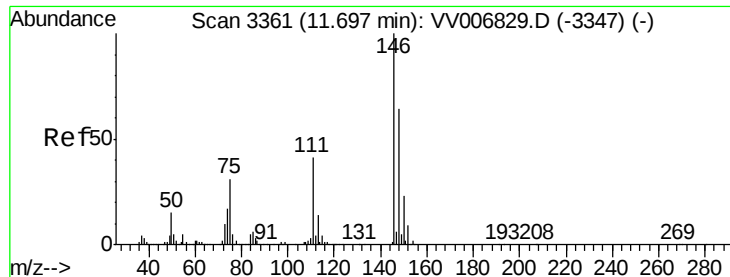


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 4.912 ug/L

RT: 11.69 min Scan# 3360

Delta R.T. -0.00 min

Lab File: VV006853.D

Acq: 03 Aug 2018 18:03

Instrument :

MSVOA_V

ClientSampleId :

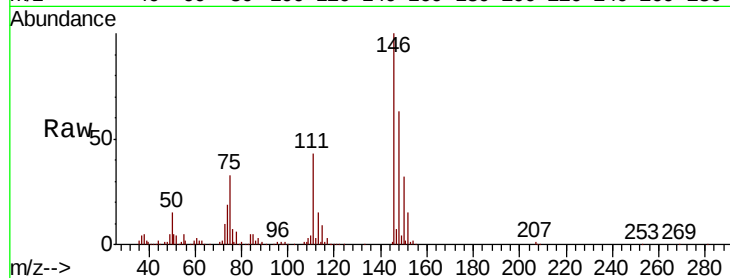
Tot Ion:146 Resp: 150909

Ion Ratio Lower Upper

146 100

111 43.0 31.8 47.6

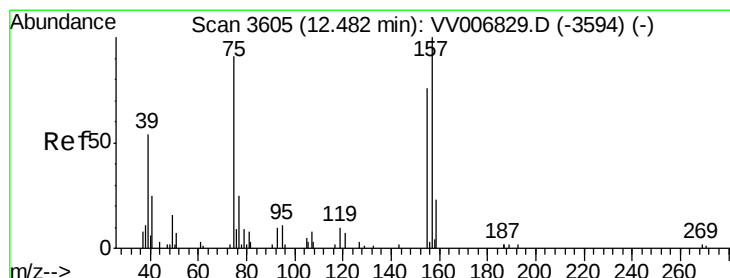
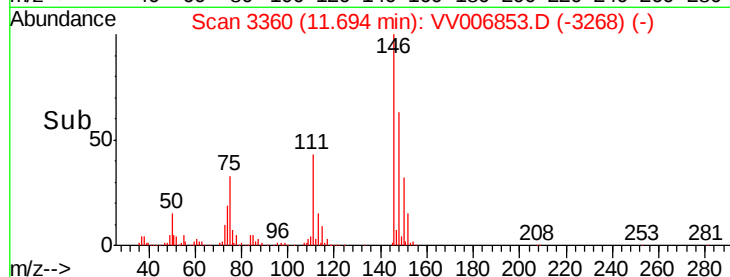
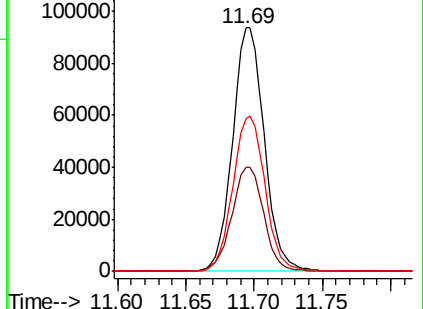
148 62.9 52.3 78.5



Abundance Ion 145.95 (145.65 to 146.65): 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: 5.611 ug/L

RT: 12.48 min Scan# 3605

Delta R.T. 0.00 min

Lab File: VV006853.D

Acq: 03 Aug 2018 18:03

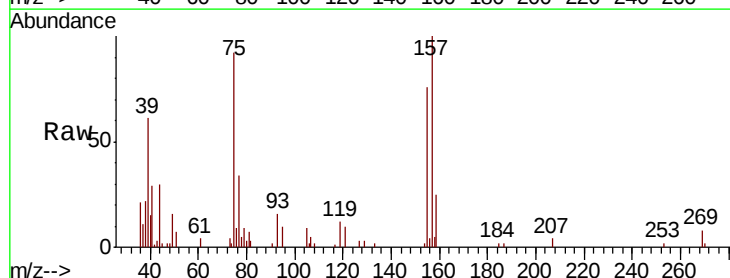
Tgt Ion: 75 Resp: 11988

Ion Ratio Lower Upper

75 100

155 82.7 61.8 92.8

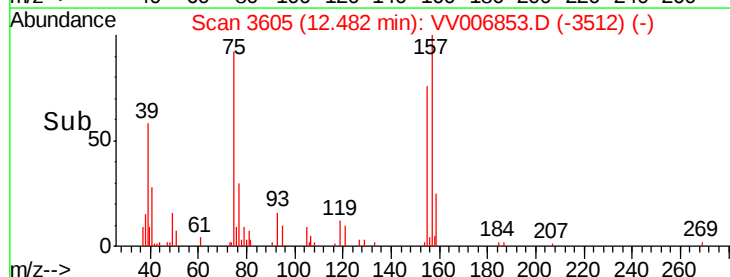
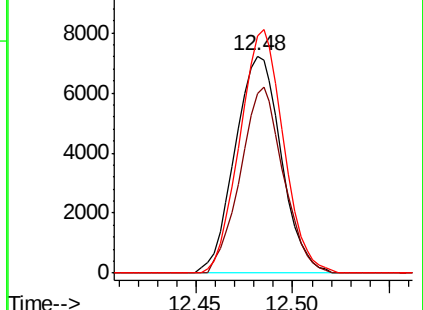
157 109.2 86.6 129.8

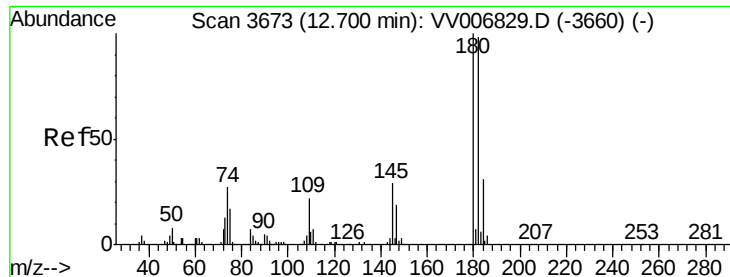


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

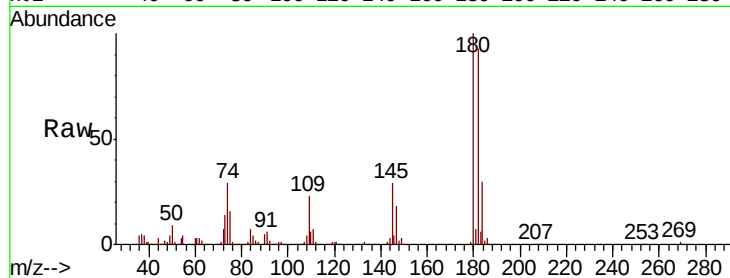




#67
 1,3,5-Trichlorobenzene
 Concen: 4.843 ug/L
 RT: 12.70 min Scan# 3672
 Delta R.T. -0.00 min
 Lab File: VV006853.D
 Acq: 03 Aug 2018 18:03

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.2	74.6	112.0
184	30.5	22.7	34.1
145	28.2	22.9	34.3



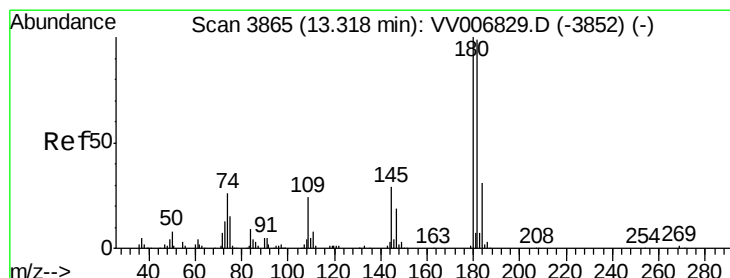
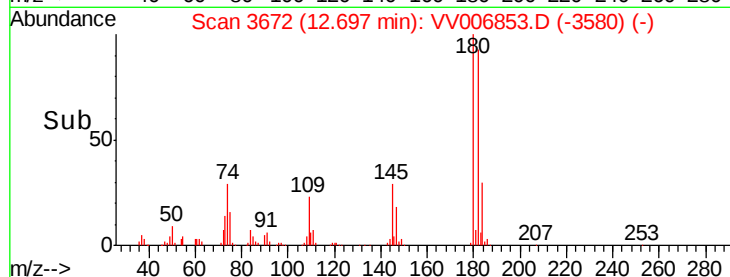
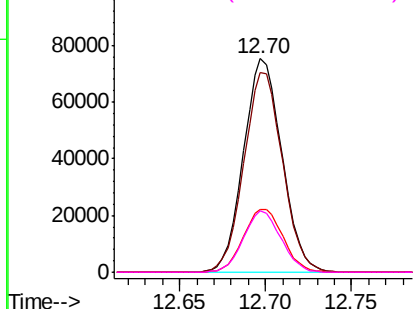
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

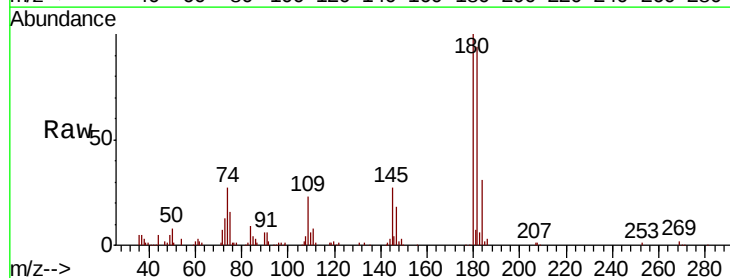
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 4.624 ug/L
 RT: 13.32 min Scan# 3865
 Delta R.T. 0.00 min
 Lab File: VV006853.D
 Acq: 03 Aug 2018 18:03

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.4	77.0	115.6
145	28.2	23.4	35.2

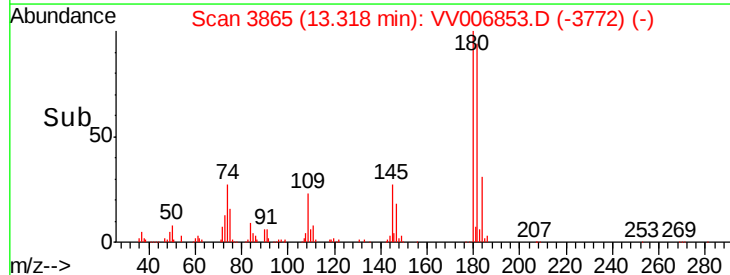
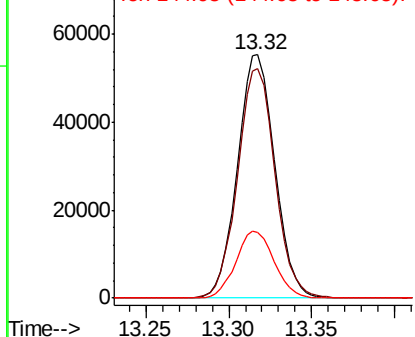


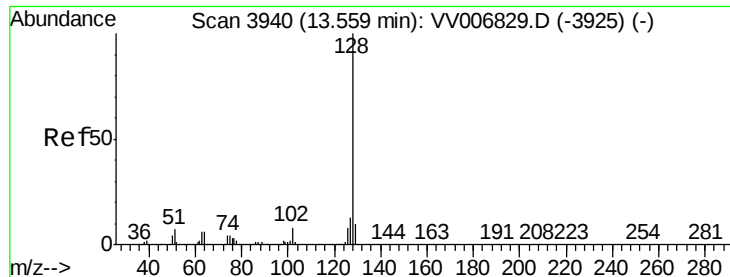
Abundance

Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 4.370 ug/L

RT: 13.56 min Scan# 3940

Delta R.T. 0.00 min

Lab File: VV006853.D

Acq: 03 Aug 2018 18:03

Instrument :

MSVOA_V

ClientSampleId :

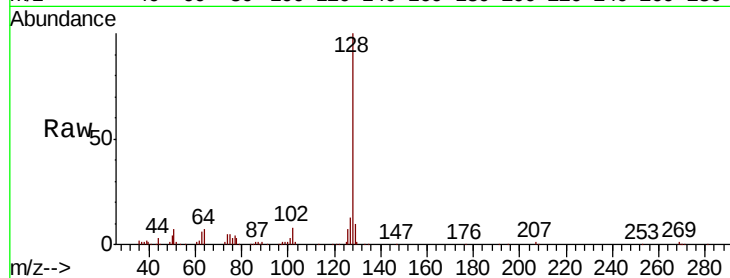
Tot Ion:128 Resp: 142508

Ion Ratio Lower Upper

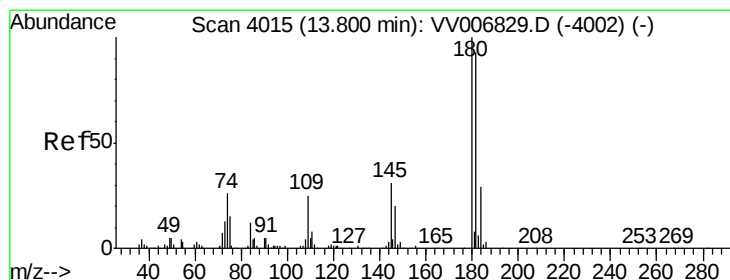
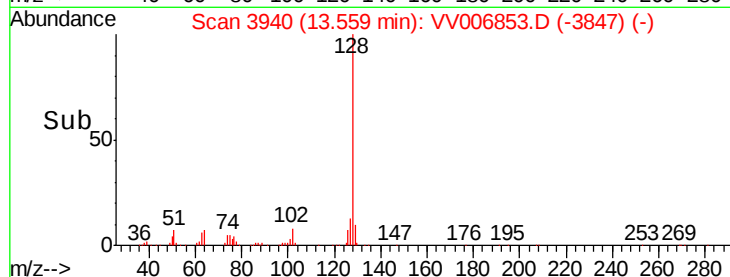
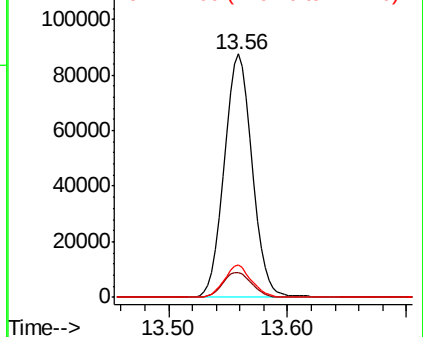
128 100

129 10.4 8.2 12.4

127 12.9 10.7 16.1



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 4.796 ug/L

RT: 13.80 min Scan# 4015

Delta R.T. 0.00 min

Lab File: VV006853.D

Acq: 03 Aug 2018 18:03

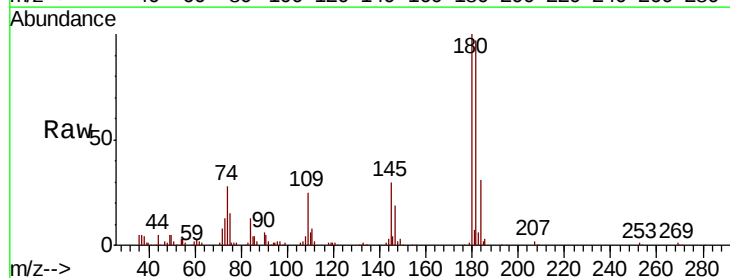
Tgt Ion:180 Resp: 86599

Ion Ratio Lower Upper

180 100

182 97.4 78.0 117.0

145 31.4 25.4 38.0



Abundance Ion 179.90 (179.60 to 180.60): V
Ion 181.90 (181.60 to 182.60): V
Ion 144.95 (144.65 to 145.65): V

