

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV080218\
 Data File : VV006829.D
 Acq On : 03 Aug 2018 01:18
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25 mL/MSVOA V/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Aug 03 02:00:22 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR080218WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Aug 03 01:56:09 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	227733	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	210139	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	89030	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	82562	5.23	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	104.60%
7) Chloroethane-d5	1.58	69	72717	5.30	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	106.00%
11) 1,1-Dichloroethene-d2	2.13	63	153964	5.27	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	105.40%
20) 2-Butanone-d5	3.96	46	231960	60.64	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	121.28%
24) Chloroform-d	4.41	84	154547	5.60	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	112.00%
26) 1,2-Dichloroethane-d4	5.09	65	79637	5.72	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	114.40%
32) Benzene-d6	5.10	84	296847	5.23	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.60%
36) 1,2-Dichloropropane-d6	6.12	67	100415	5.36	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	107.20%
41) Toluene-d8	7.36	98	261568	5.16	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.20%
43) trans-1,3-Dichloropropene-	7.67	79	32452	4.90	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	98.00%
46) 2-Hexanone-d5	8.14	63	163658	55.48	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	110.96%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	82734	5.93	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	118.60%
64) 1,2-Dichlorobenzene-d4	11.68	152	87176	5.28	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	105.60%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	93707	5.152	ug/L	97
3) Chloromethane	1.25	50	116890	4.445	ug/L	99
5) Vinyl chloride	1.32	62	108653	5.318	ug/L	98
6) Bromomethane	1.53	94	26630	5.227	ug/L	97
8) Chloroethane	1.60	64	68247	4.971	ug/L	98
9) Trichlorofluoromethane	1.77	101	134329	5.377	ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	84695	5.390	ug/L	99
12) 1,1-Dichloroethene	2.14	96	78076	5.364	ug/L	96
13) Acetone	2.20	43	148584	55.077	ug/L	99
14) Carbon disulfide	2.32	76	226576	5.248	ug/L	98
15) Methyl Acetate	2.47	43	44321	5.459	ug/L	93
16) Methylene chloride	2.54	84	87612	5.033	ug/L	95
17) Methyl tert-butyl Ether	2.82	73	212023	5.431	ug/L	99
18) trans-1,2-Dichloroethene	2.79	96	83455	5.263	ug/L	99
19) 1,1-Dichloroethane	3.23	63	163183	5.511	ug/L	98
21) 2-Butanone	4.05	43	233046	56.528	ug/L	100
22) cis-1,2-Dichloroethene	3.97	96	87409	5.135	ug/L	100

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Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Aug 03 02:00:22 2018
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 Quant Title : TRACE VOA SOM01.0
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

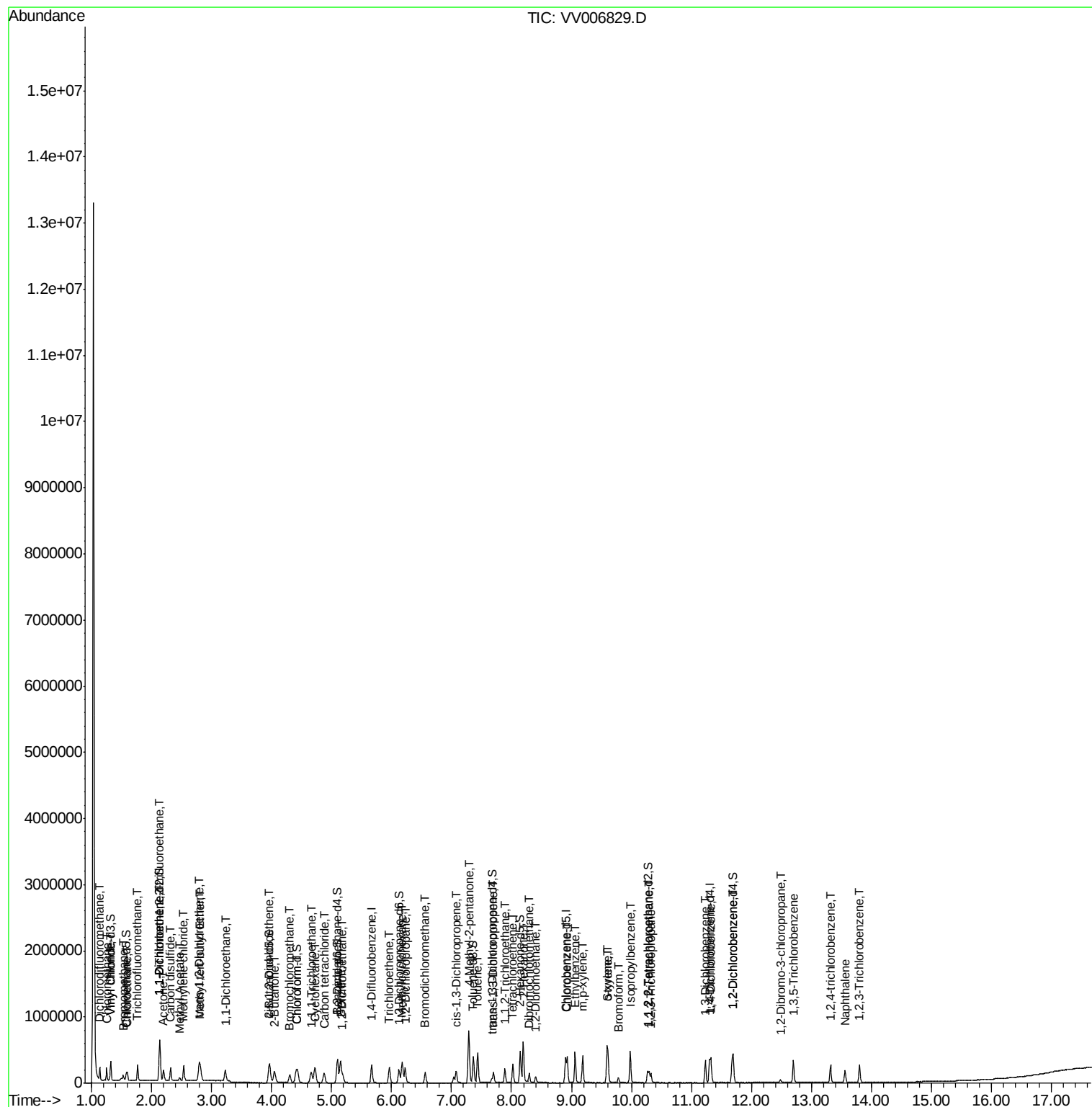
23) Bromochloromethane	4.31	128	39757	5.369	ug/L	97
25) Chloroform	4.43	83	153889	5.344	ug/L	100
27) 1,2-Dichloroethane	5.19	62	96371	5.501	ug/L	95
29) 1,1,1-Trichloroethane	4.66	97	129638	5.322	ug/L	99
30) Cyclohexane	4.72	56	120906	4.793	ug/L	98
31) Carbon tetrachloride	4.88	117	107461	5.358	ug/L	99
33) Benzene	5.15	78	334659	5.183	ug/L	100
34) Trichloroethene	5.96	95	80765	4.915	ug/L	98
35) Methylcyclohexane	6.18	83	120282	4.610	ug/L	95
37) 1,2-Dichloropropane	6.23	63	88404	5.222	ug/L #	97
38) Bromodichloromethane	6.56	83	103719	5.382	ug/L	98
39) cis-1,3-Dichloropropene	7.08	75	104053	4.760	ug/L	100
40) 4-Methyl-2-pentanone	7.29	43	511889	54.635	ug/L	99
42) Toluene	7.44	91	323796	5.098	ug/L	99
44) trans-1,3-Dichloropropene	7.70	75	85241	4.736	ug/L	95
45) 1,1,2-Trichloroethane	7.89	97	65226	5.329	ug/L	97
47) Tetrachloroethene	8.02	164	66281	5.063	ug/L	96
48) 2-Hexanone	8.20	43	367220	57.763	ug/L	99
49) Dibromochloromethane	8.30	129	67891	5.487	ug/L	99
50) 1,2-Dibromoethane	8.40	107	57861	5.546	ug/L	97
51) Chlorobenzene	8.93	112	205306	5.022	ug/L	99
52) Ethylbenzene	9.06	91	317904	4.791	ug/L	100
53) m,p-xylene	9.19	106	116926	4.747	ug/L	94
54) o-xylene	9.59	106	114697	4.615	ug/L	95
55) Styrene	9.61	104	184480	4.724	ug/L	98
56) Isopropylbenzene	9.98	105	302700	4.787	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.29	83	80280	5.420	ug/L	98
59) 1,2,3-Trichloropropane	10.32	75	57736	5.546	ug/L	98
61) Bromoform	9.78	173	34984	5.770	ug/L	100
62) 1,3-Dichlorobenzene	11.23	146	140241	4.984	ug/L	98
63) 1,4-Dichlorobenzene	11.32	146	142093	5.104	ug/L	100
65) 1,2-Dichlorobenzene	11.70	146	142131	5.147	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.48	75	10904	5.678	ug/L	96
67) 1,3,5-Trichlorobenzene	12.70	180	104066	4.808	ug/L	95
68) 1,2,4-trichlorobenzene	13.32	180	82726	4.920	ug/L	99
69) Naphthalene	13.56	128	146214	4.989	ug/L	99
70) 1,2,3-Trichlorobenzene	13.80	180	84254	5.191	ug/L	97

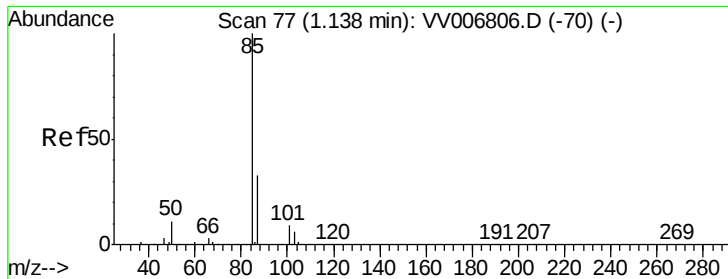
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 5.152 ug/L

RT: 1.14 min Scan# 77

Delta R.T. 0.00 min

Lab File: VV006829.D

Acq: 03 Aug 2018 01:18

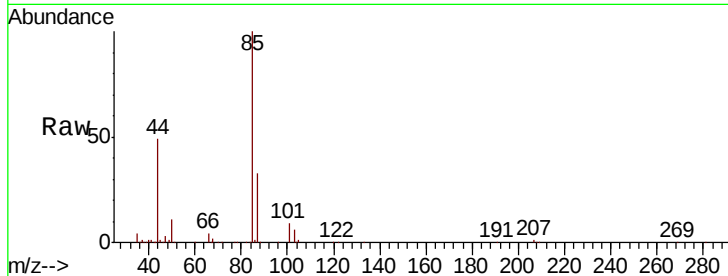
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 85 Resp: 93707

Ion Ratio Lower Upper

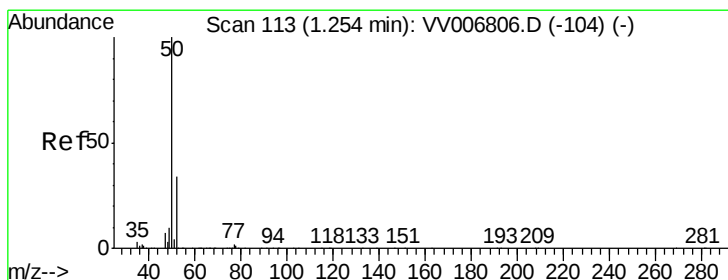
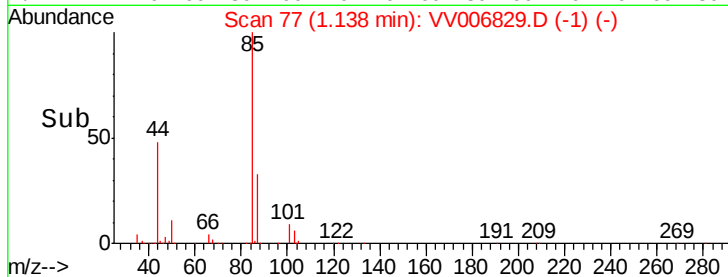
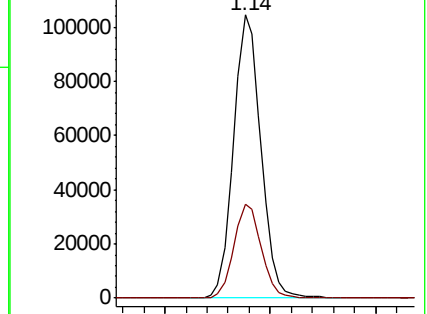
85 100

87 33.4 25.4 38.0



Abundance Ion 85.00 (84.70 to 85.70): VV006829.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VV006829.D (-1) (-)



#3

Chloromethane

Concen: 4.445 ug/L

RT: 1.25 min Scan# 112

Delta R.T. -0.00 min

Lab File: VV006829.D

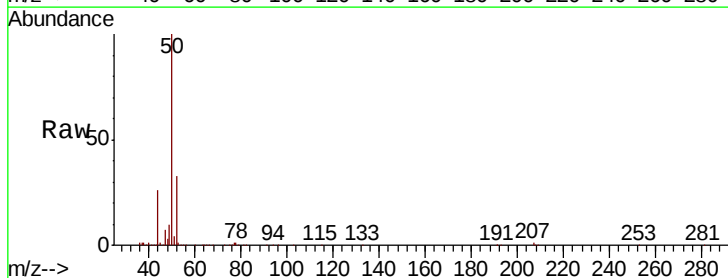
Acq: 03 Aug 2018 01:18

Tgt Ion: 50 Resp: 116890

Ion Ratio Lower Upper

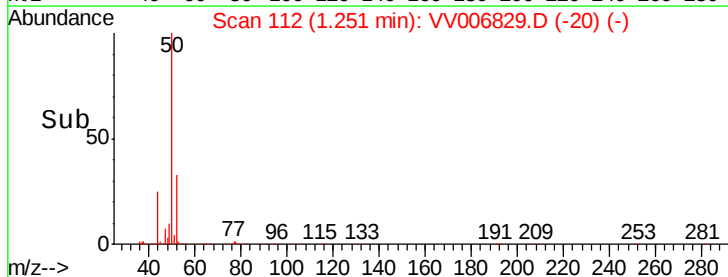
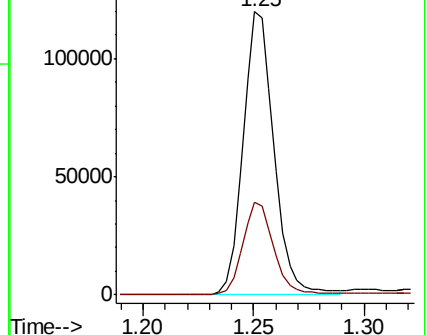
50 100

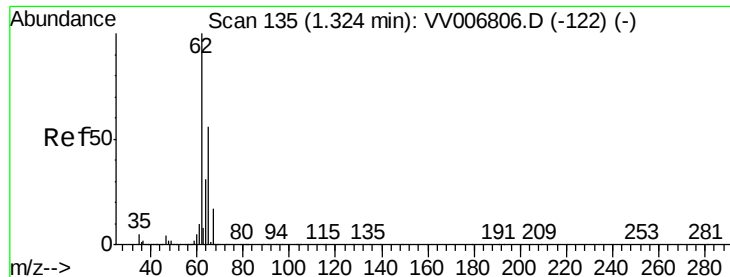
52 32.6 23.3 43.3



Abundance Ion 50.05 (49.75 to 50.75): VV006829.D (-20) (-)

Ion 52.05 (51.75 to 52.75): VV006829.D (-20) (-)





#5

Vinyl chloride

Concen: 5.318 ug/L

RT: 1.32 min Scan# 134

Delta R.T. -0.00 min

Lab File: VV006829.D

Acq: 03 Aug 2018 01:18

Instrument :

MSVOA_V

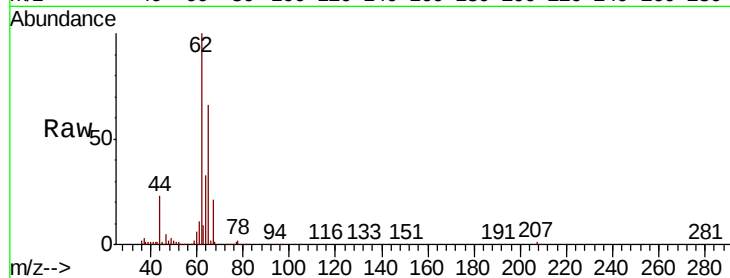
ClientSampleId :

Tot Ion: 62 Resp: 108653

Ion Ratio Lower Upper

62 100

64 32.8 23.7 43.9



Abundance Ion 62.00 (61.70 to 62.70): VV006806.D (-122) (-)

Ion 64.10 (63.80 to 64.80): VV006806.D (-122) (-)

1.32

120000

100000

80000

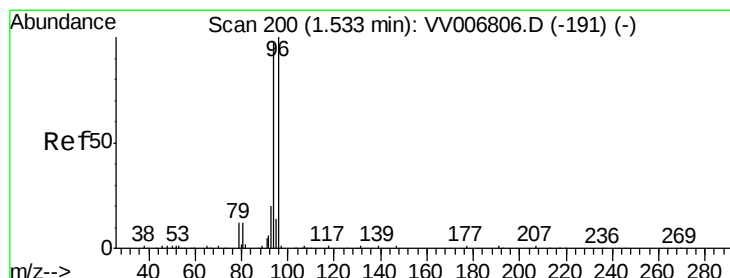
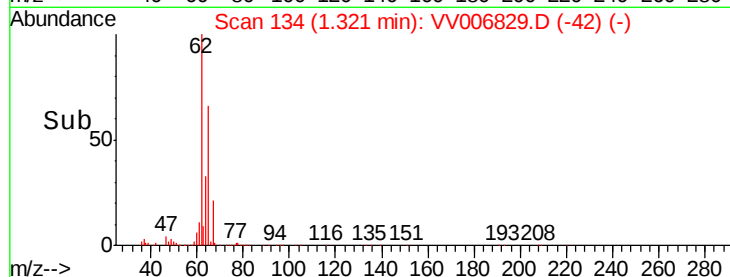
60000

40000

20000

0

Time--> 1.25 1.30 1.35



#6

Bromomethane

Concen: 5.227 ug/L

RT: 1.53 min Scan# 199

Delta R.T. -0.00 min

Lab File: VV006829.D

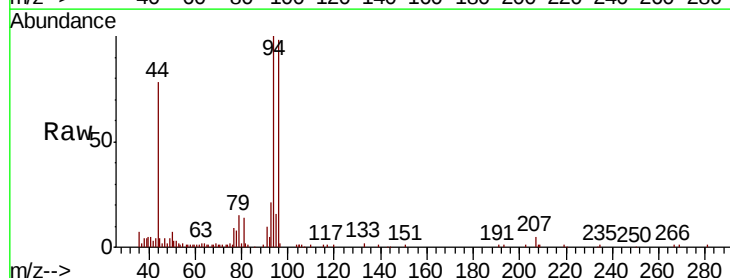
Acq: 03 Aug 2018 01:18

Tgt Ion: 94 Resp: 26630

Ion Ratio Lower Upper

94 100

96 97.7 66.2 123.0



Abundance Ion 94.00 (93.70 to 94.70): VV006806.D (-191) (-)

Ion 96.00 (95.70 to 96.70): VV006806.D (-191) (-)

1.53

25000

20000

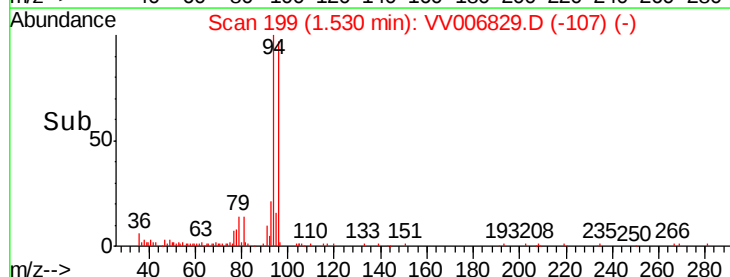
15000

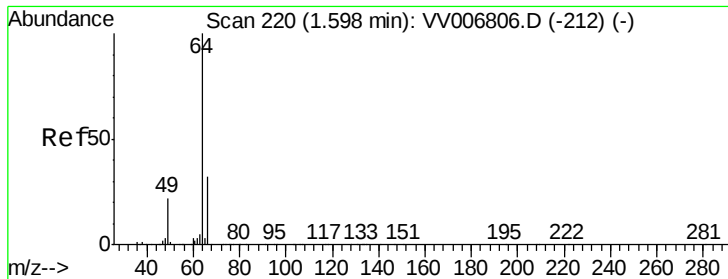
10000

5000

0

Time--> 1.50 1.55 1.60

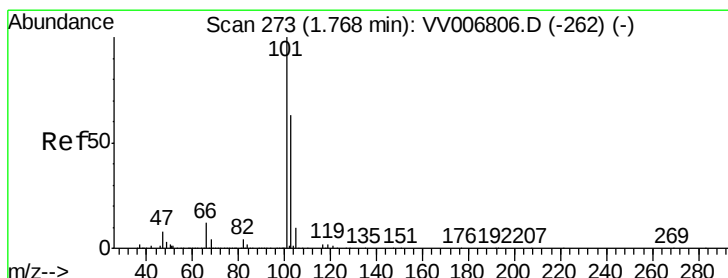
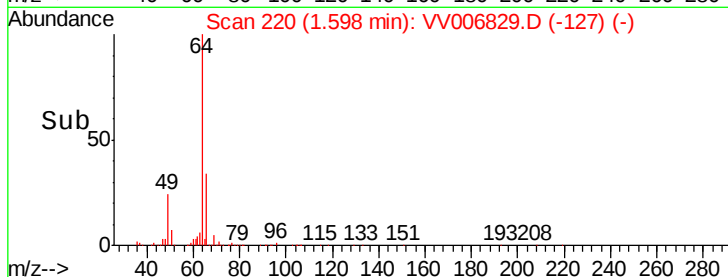
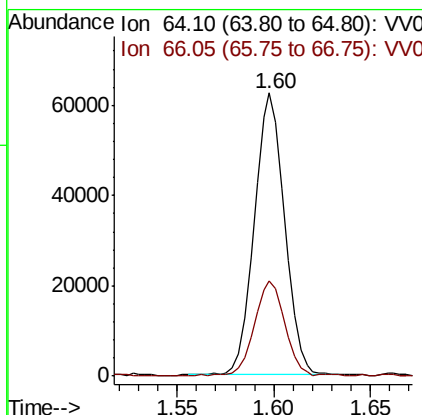
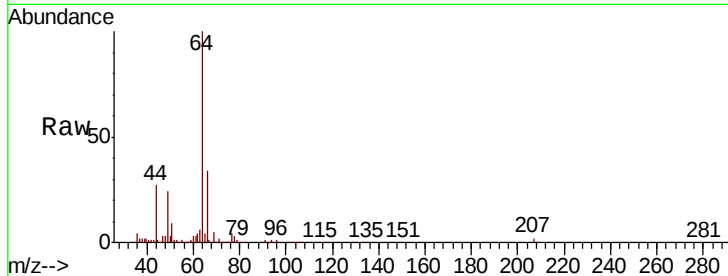




#8
Chloroethane
Concen: 4.971 ug/L
RT: 1.60 min Scan# 220
Delta R.T. 0.00 min
Lab File: VV006829.D
Acq: 03 Aug 2018 01:18

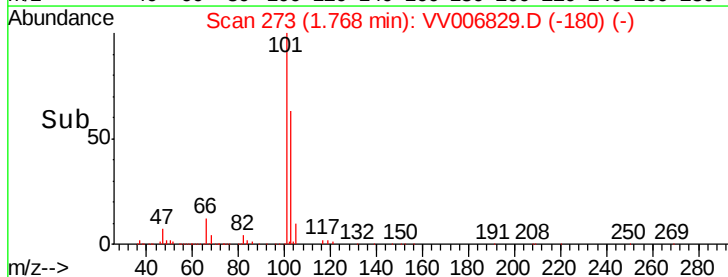
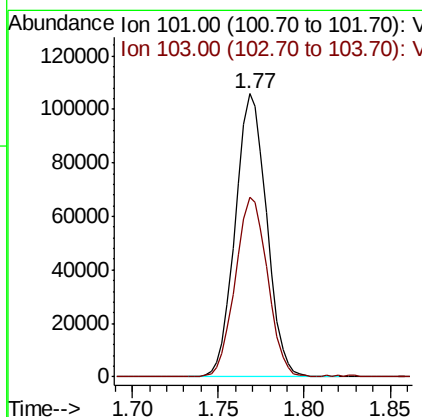
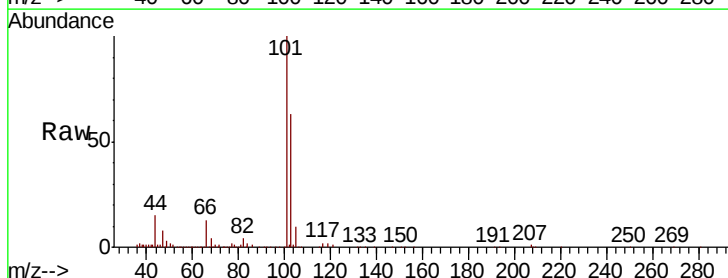
Instrument :
MSVOA_V
ClientSampleId :

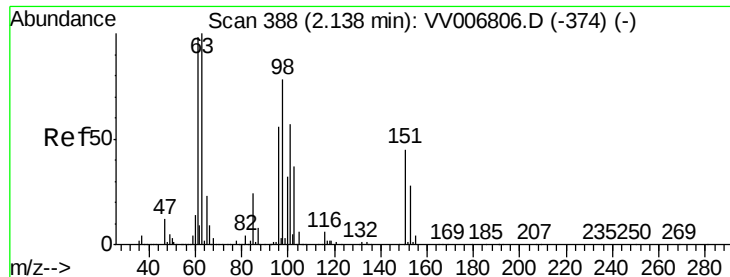
Tot Ion: 64 Resp: 68247
Ion Ratio Lower Upper
64 100
66 33.8 23.0 42.6



#9
Trichlorofluoromethane
Concen: 5.377 ug/L
RT: 1.77 min Scan# 273
Delta R.T. 0.00 min
Lab File: VV006829.D
Acq: 03 Aug 2018 01:18

Tgt Ion: 101 Resp: 134329
Ion Ratio Lower Upper
101 100
103 65.2 51.1 76.7





#10

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

Concen: 5.390 ug/L

RT: 2.14 min Scan# 389

Delta R.T. 0.00 min

Lab File: VV006829.D

Acq: 03 Aug 2018 01:18

Instrument :

MSVOA_V

ClientSampleId :

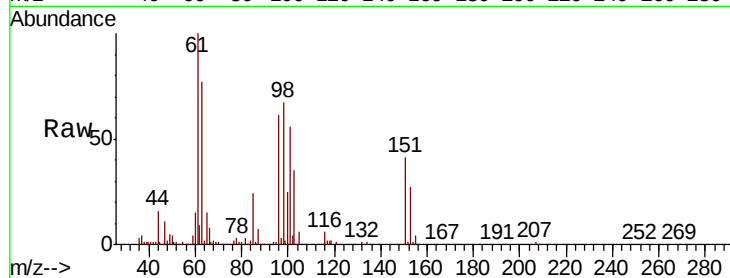
Tot Ion:101 Resp: 84695

Ion Ratio Lower Upper

101 100

85 41.9 33.3 49.9

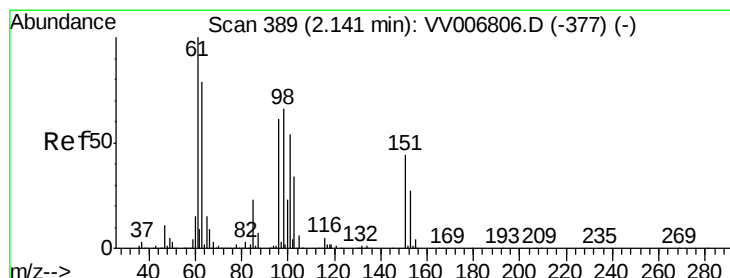
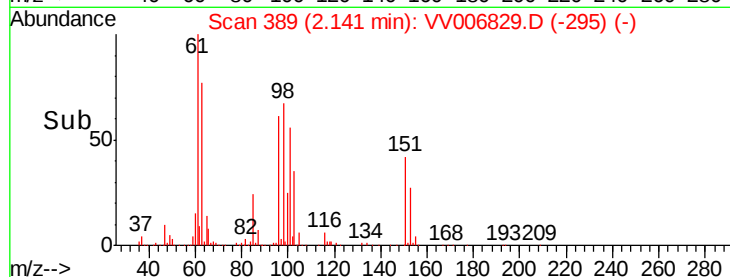
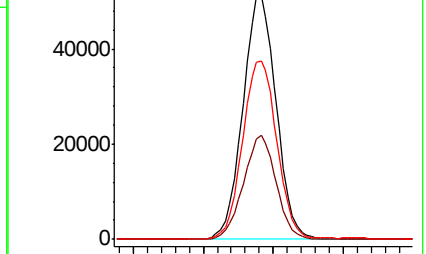
151 75.4 59.4 89.2



Abundance Ion 101.00 (100.70 to 101.70): VV006829.D (-295) (-)

Ion 85.00 (84.70 to 85.70): VV006829.D (-295) (-)

Ion 151.00 (150.70 to 151.70): VV006829.D (-295) (-)



#12

1,1-Dichloroethene

Concen: 5.364 ug/L

RT: 2.14 min Scan# 389

Delta R.T. 0.00 min

Lab File: VV006829.D

Acq: 03 Aug 2018 01:18

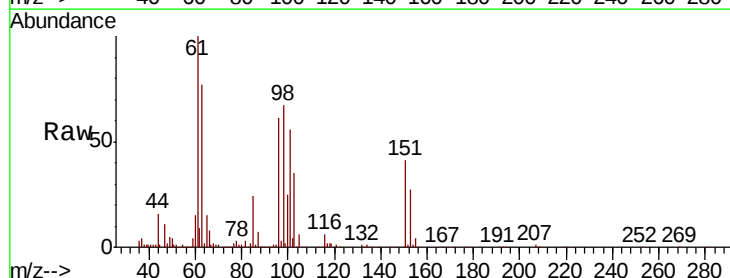
Tgt Ion: 96 Resp: 78076

Ion Ratio Lower Upper

96 100

61 163.5 115.3 214.1

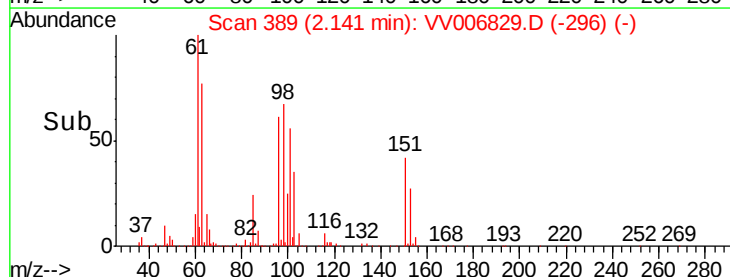
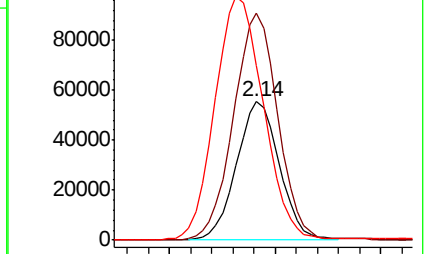
63 125.9 81.9 152.1

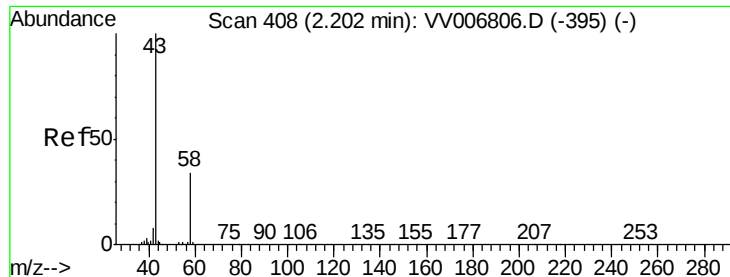


Abundance Ion 96.00 (95.70 to 96.70): VV006829.D (-296) (-)

Ion 61.05 (60.75 to 61.75): VV006829.D (-296) (-)

Ion 63.00 (62.70 to 63.70): VV006829.D (-296) (-)





#13

Acetone

Concen: 55.077 ug/L

RT: 2.20 min Scan# 407

Delta R.T. -0.00 min

Lab File: VV006829.D

Acq: 03 Aug 2018 01:18

Instrument :

MSVOA_V

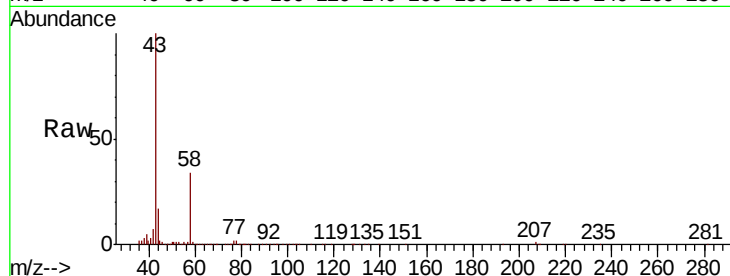
ClientSampleId :

Tot Ion: 43 Resp: 148584

Ion Ratio Lower Upper

43 100

58 34.9 0.0 69.0



Abundance Ion 43.05 (42.75 to 43.75): VV006806.D (-395) (-)

Ion 58.05 (57.75 to 58.75): VV006806.D (-395) (-)

2.20

100000

80000

60000

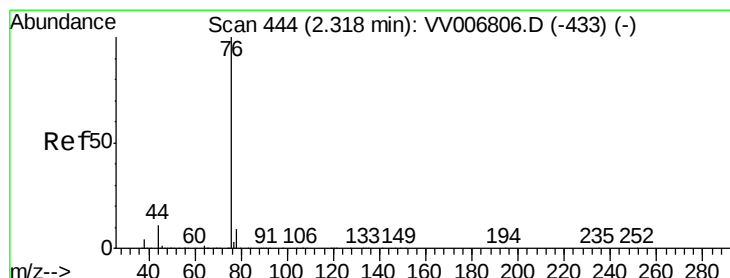
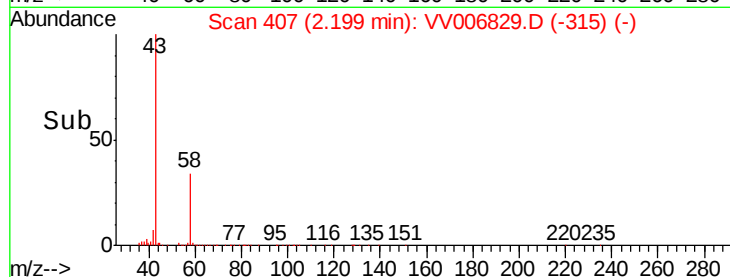
40000

20000

0

2.15 2.20 2.25 2.30

Time-->



#14

Carbon disulfide

Concen: 5.248 ug/L

RT: 2.32 min Scan# 444

Delta R.T. 0.00 min

Lab File: VV006829.D

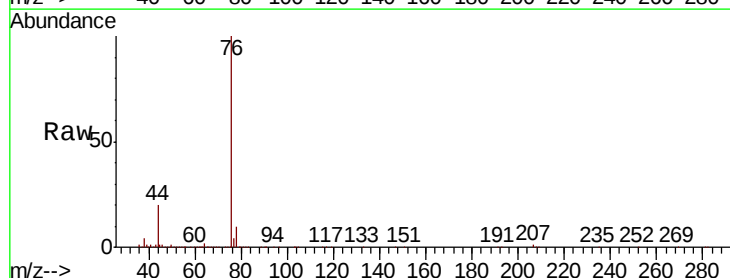
Acq: 03 Aug 2018 01:18

Tgt Ion: 76 Resp: 226576

Ion Ratio Lower Upper

76 100

78 10.3 8.7 13.1



Abundance Ion 76.05 (75.75 to 76.75): VV006806.D (-433) (-)

Ion 78.00 (77.70 to 78.70): VV006806.D (-433) (-)

2.32

150000

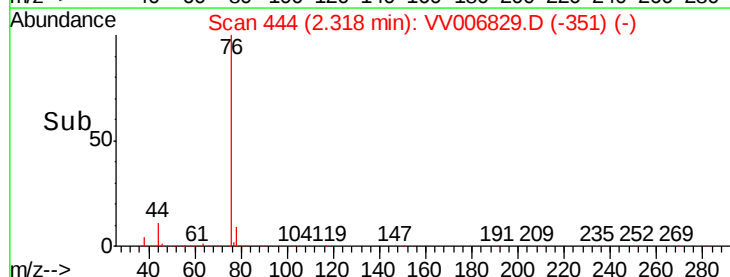
100000

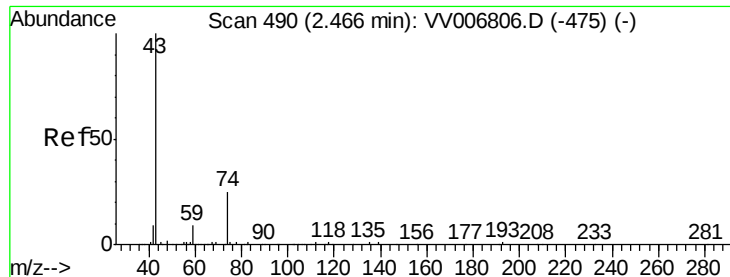
50000

0

2.25 2.30 2.35 2.40

Time-->





#15

Methvl Acetate

Concen: 5.459 ug/L

RT: 2.47 min Scan# 490

Delta R.T. 0.00 min

Lab File: VV006829.D

Acq: 03 Aug 2018 01:18

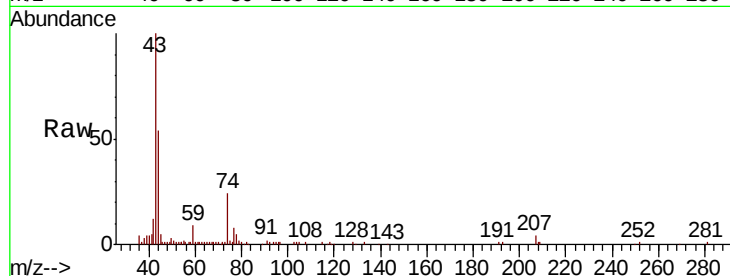
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 44321

Ion Ratio Lower Upper

43 100

74 26.5 18.3 27.5



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 74.05 (73.75 to 74.75): VV0

2.47

30000

25000

20000

15000

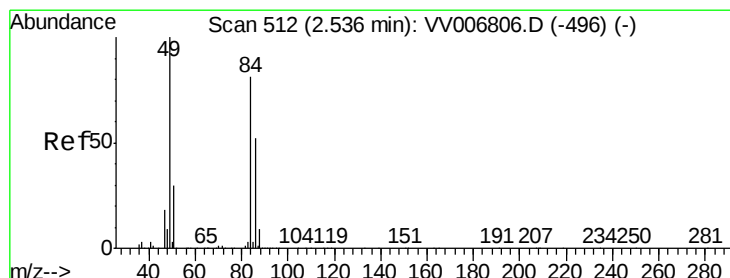
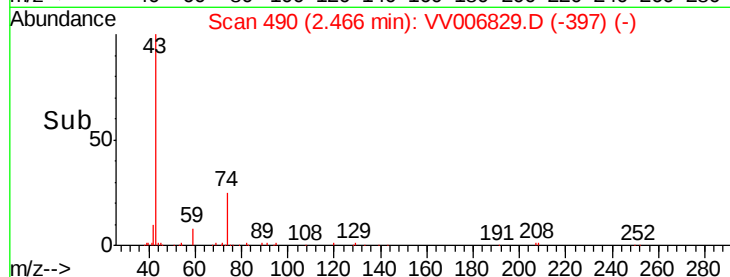
10000

5000

0

Time-->

2.40 2.45 2.50 2.55



#16

Methylene chloride

Concen: 5.033 ug/L

RT: 2.54 min Scan# 512

Delta R.T. 0.00 min

Lab File: VV006829.D

Acq: 03 Aug 2018 01:18

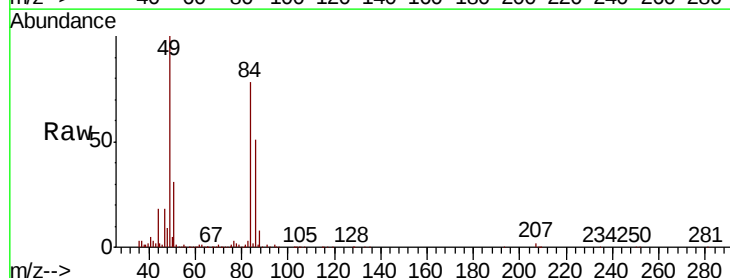
Tgt Ion: 84 Resp: 87612

Ion Ratio Lower Upper

84 100

86 65.2 43.8 81.3

49 127.7 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

80000

60000

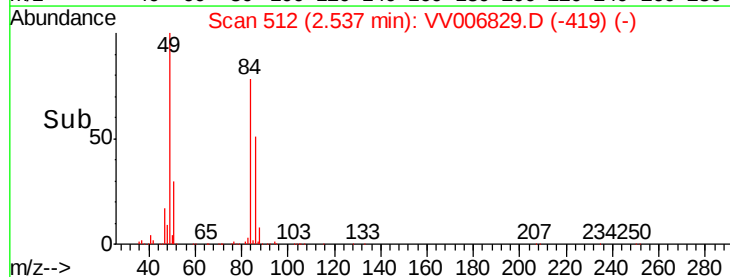
40000

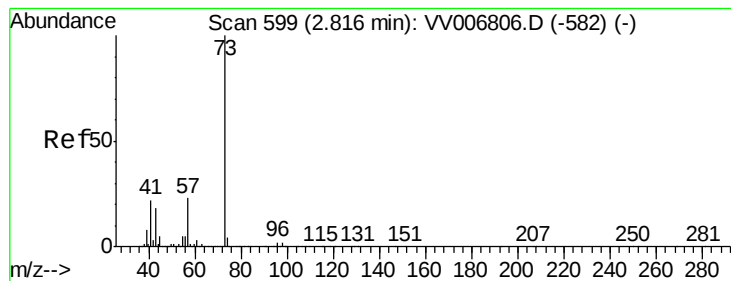
20000

0

Time-->

2.45 2.50 2.55 2.60





#17

Methvl tert-butvl Ether

Concen: 5.431 ug/L

RT: 2.82 min Scan# 599

Delta R.T. 0.00 min

Lab File: VV006829.D

Acq: 03 Aug 2018 01:18

Instrument :

MSVOA_V

ClientSampled :

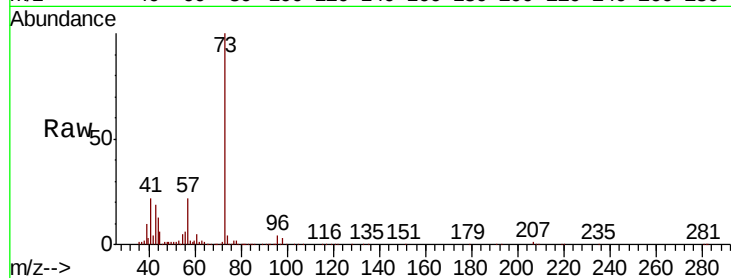
Tot Ion: 73 Resp: 212023

Ion Ratio Lower Upper

73 100

43 18.1 14.6 22.0

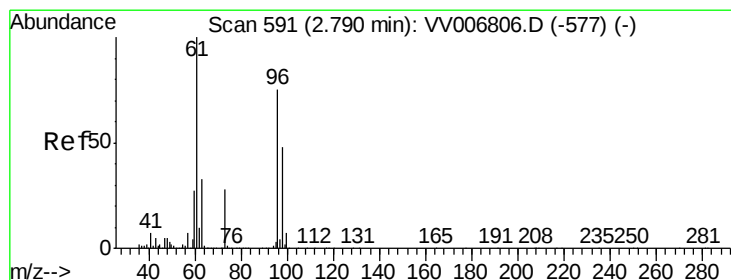
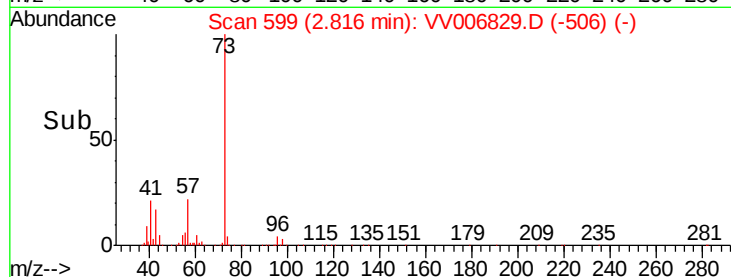
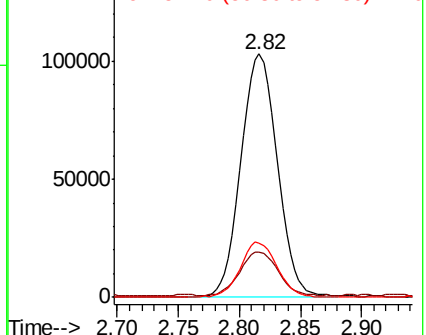
57 23.0 18.0 27.0



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: 5.263 ug/L

RT: 2.79 min Scan# 591

Delta R.T. 0.00 min

Lab File: VV006829.D

Acq: 03 Aug 2018 01:18

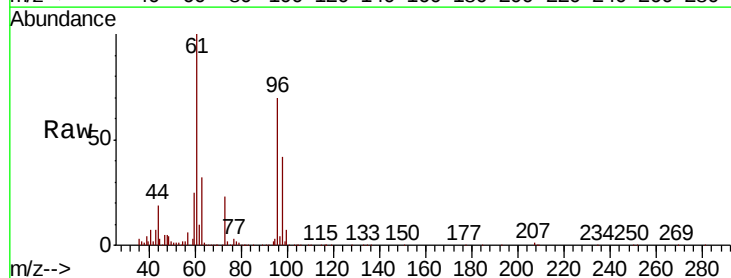
Tgt Ion: 96 Resp: 83455

Ion Ratio Lower Upper

96 100

61 142.6 99.0 183.8

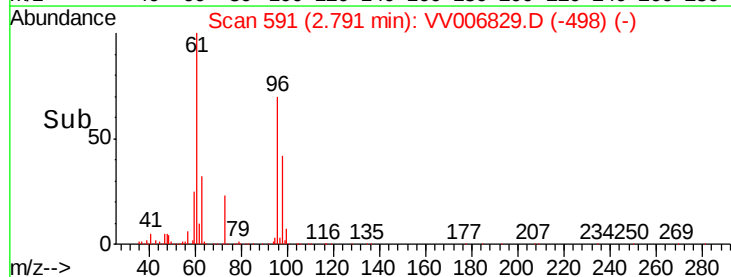
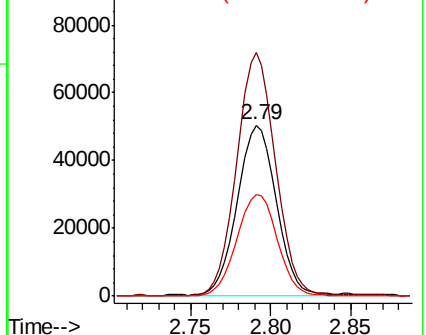
98 59.8 42.8 79.4

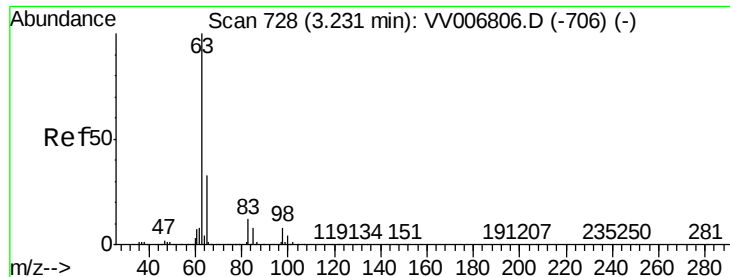


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 97.95 (97.65 to 98.65): VV0

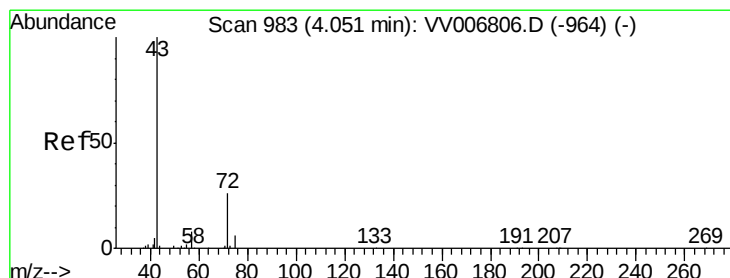
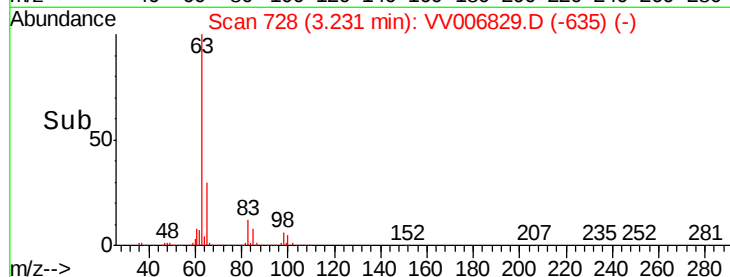
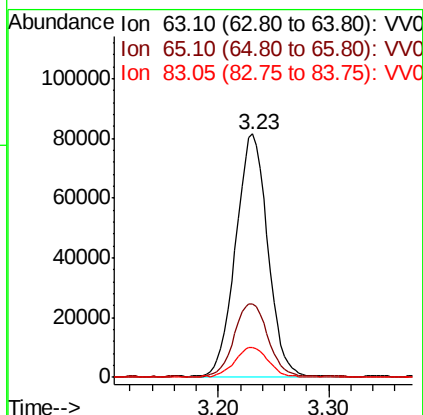
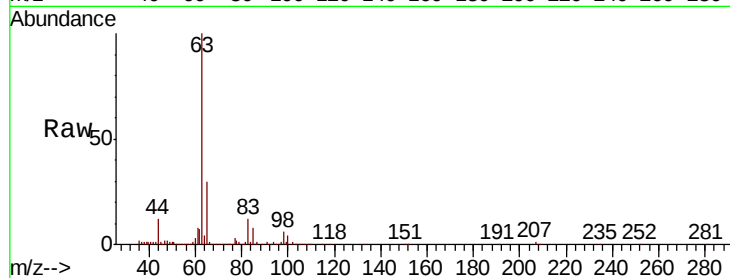




#19
 1,1-Dichloroethane
 Concen: 5.511 ug/L
 RT: 3.23 min Scan# 728
 Delta R.T. 0.00 min
 Lab File: VV006829.D
 Acq: 03 Aug 2018 01:18

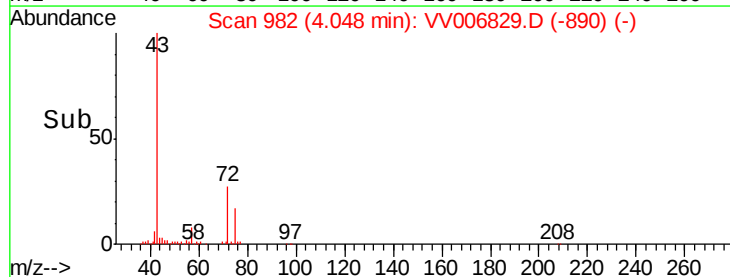
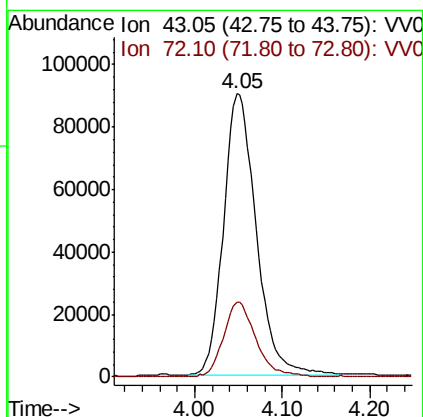
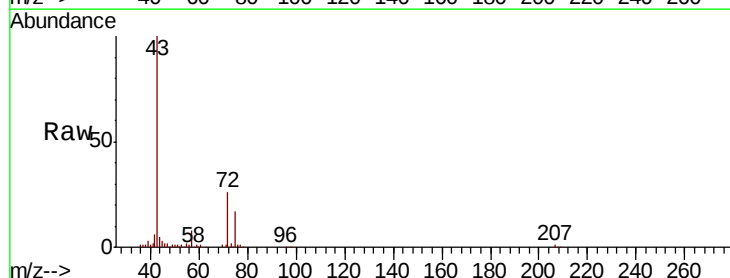
Instrument :
 MSVOA_V
 ClientSampleId :

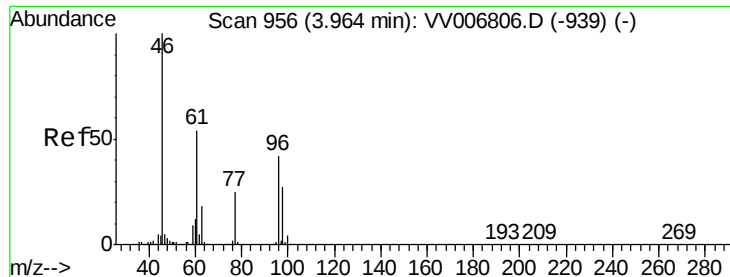
Tot Ion: 63 Resp: 163183
 Ion Ratio Lower Upper
 63 100
 65 30.2 22.2 41.2
 83 12.3 9.0 16.6



#21
 2-Butanone
 Concen: 56.528 ug/L
 RT: 4.05 min Scan# 982
 Delta R.T. -0.00 min
 Lab File: VV006829.D
 Acq: 03 Aug 2018 01:18

Tgt Ion: 43 Resp: 233046
 Ion Ratio Lower Upper
 43 100
 72 26.7 13.4 40.1



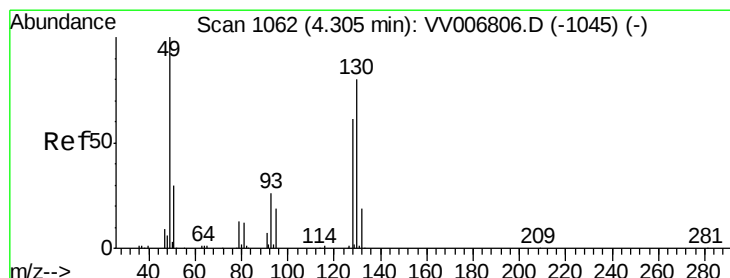
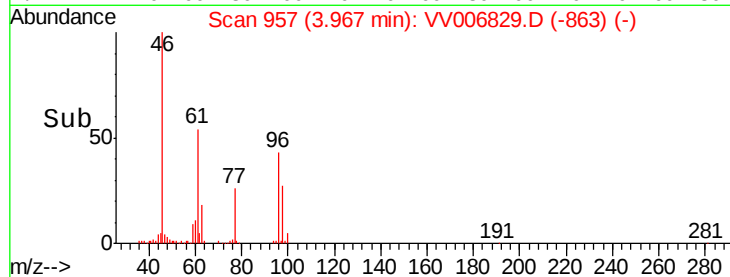
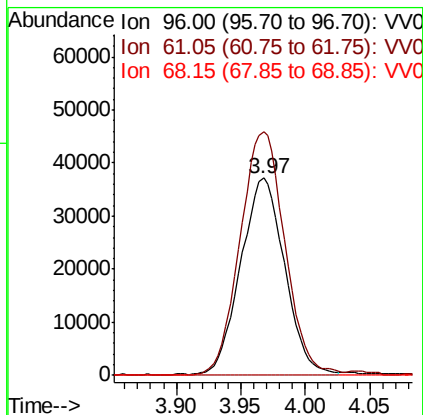
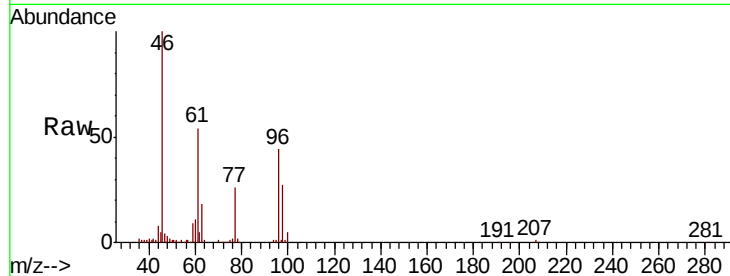


#22

cis-1,2-Dichloroethene
Concen: 5.135 ug/L
RT: 3.97 min Scan# 957
Delta R.T. 0.00 min
Lab File: VV006829.D
Acq: 03 Aug 2018 01:18

Instrument :
MSVOA_V
ClientSampleId :

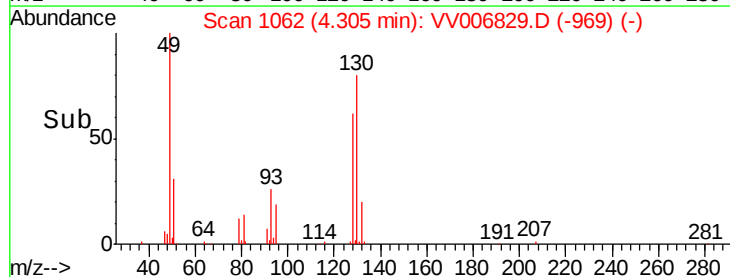
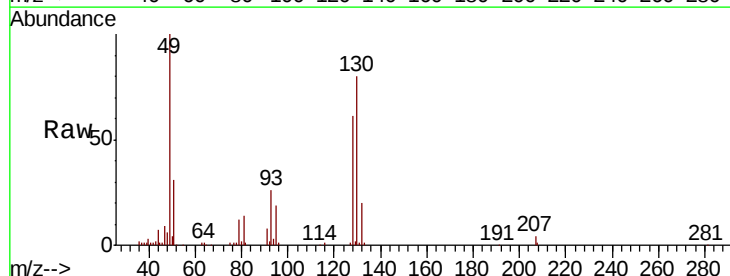
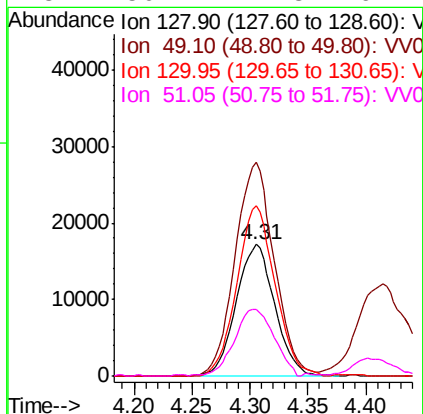
Tot Ion	Ratio	Lower	Upper
96	100		
61	123.4	86.6	160.8
68	0.0	0.0	0.0

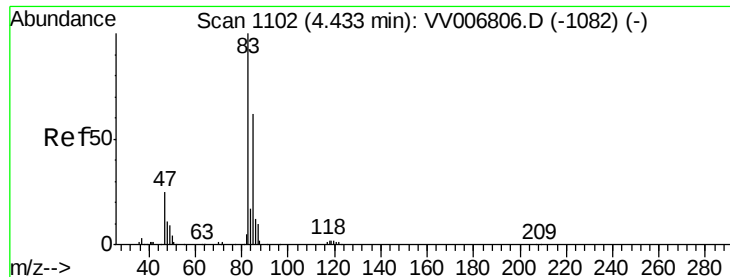


#23

Bromochloromethane
Concen: 5.369 ug/L
RT: 4.31 min Scan# 1062
Delta R.T. 0.00 min
Lab File: VV006829.D
Acq: 03 Aug 2018 01:18

Tgt Ion	Ratio	Lower	Upper
128	100		
49	162.8	113.3	210.5
130	129.4	87.1	161.7
51	50.7	44.8	67.2

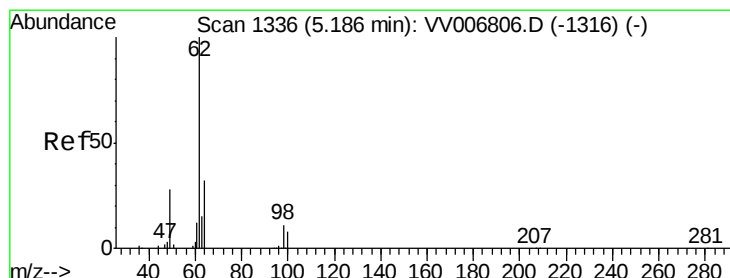
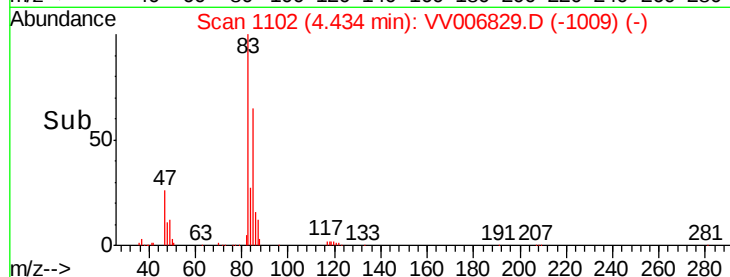
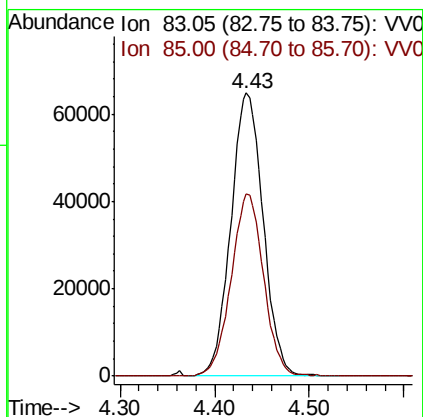
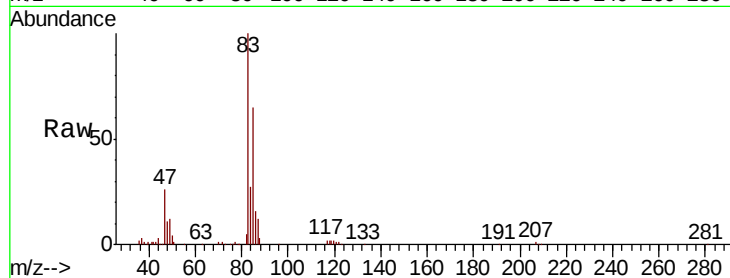




#25
Chloroform
Concen: 5.344 ug/L
RT: 4.43 min Scan# 1102
Delta R.T. 0.00 min
Lab File: VV006829.D
Acq: 03 Aug 2018 01:18

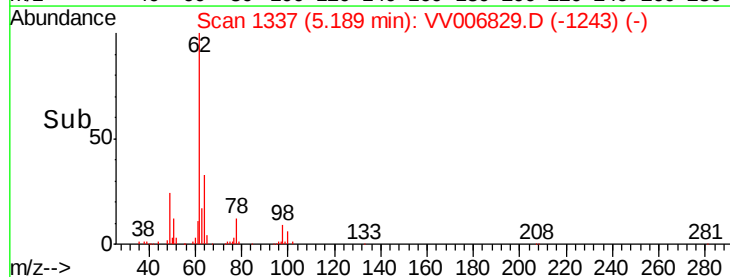
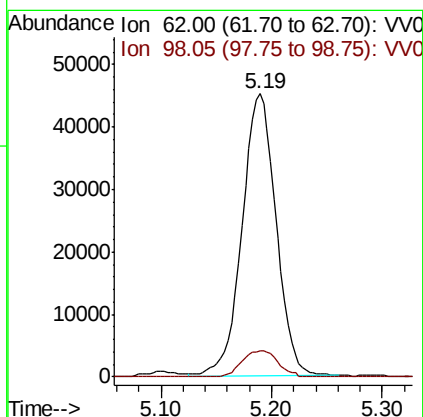
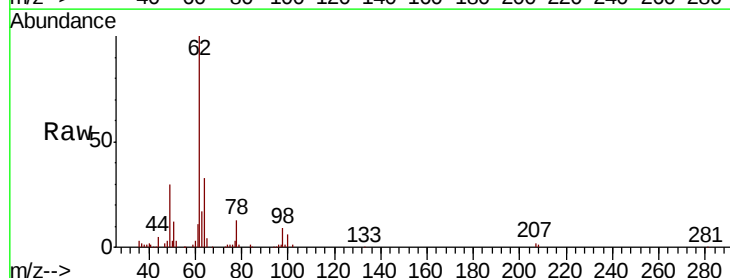
Instrument :
MSVOA_V
ClientSampleId :

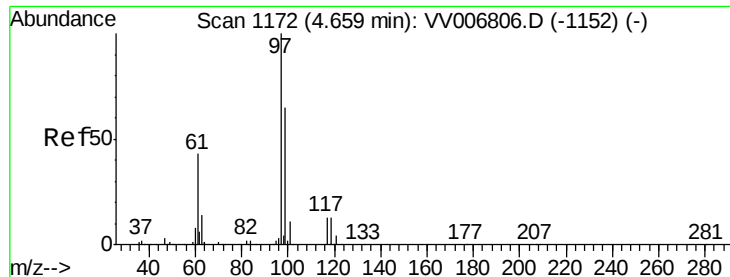
Tot Ion: 83 Resp: 153889
Ion Ratio Lower Upper
83 100
85 64.6 45.4 84.2



#27
1,2-Dichloroethane
Concen: 5.501 ug/L
RT: 5.19 min Scan# 1337
Delta R.T. 0.00 min
Lab File: VV006829.D
Acq: 03 Aug 2018 01:18

Tgt Ion: 62 Resp: 96371
Ion Ratio Lower Upper
62 100
98 9.2 8.8 13.2

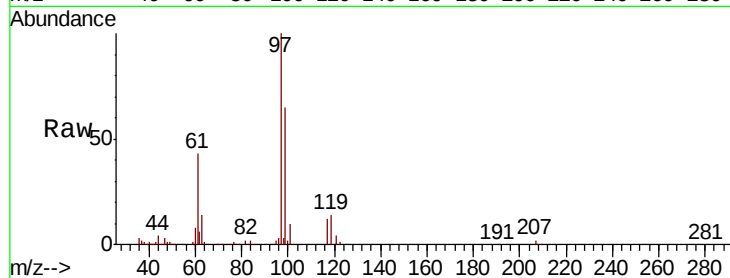




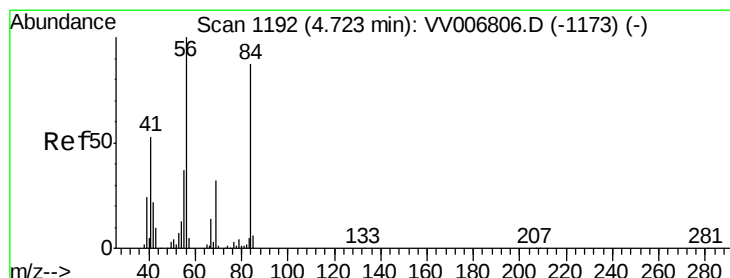
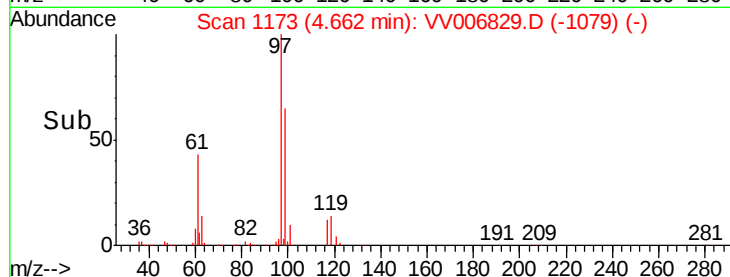
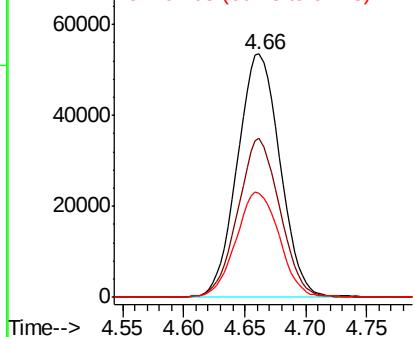
#29
 1,1,1-Trichloroethane
 Concen: 5.322 ug/L
 RT: 4.66 min Scan# 1173
 Delta R.T. 0.00 min
 Lab File: VV006829.D
 Acq: 03 Aug 2018 01:18

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 97 Resp: 129638
 Ion Ratio Lower Upper
 97 100
 99 64.2 51.8 77.8
 61 44.2 34.8 52.2

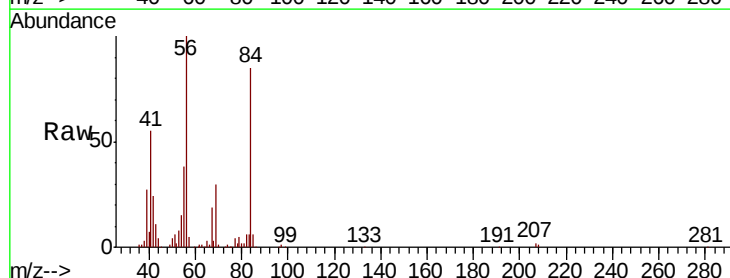


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 61.05 (60.75 to 61.75): VV0

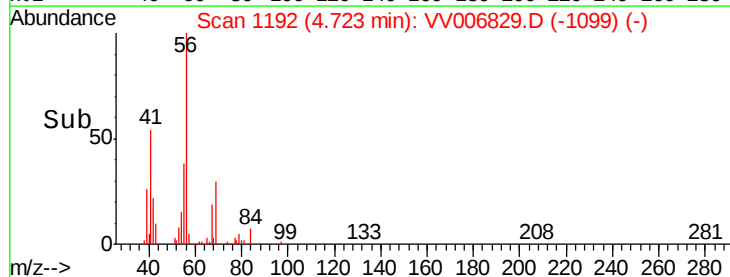
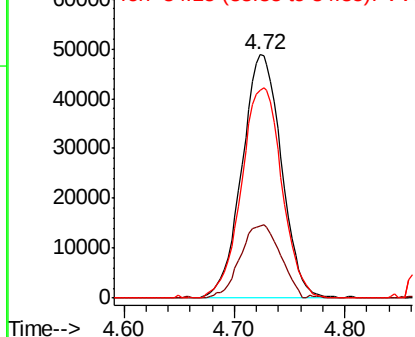


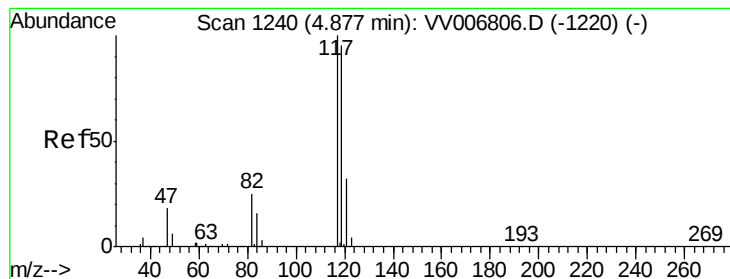
#30
 Cyclohexane
 Concen: 4.793 ug/L
 RT: 4.72 min Scan# 1192
 Delta R.T. 0.00 min
 Lab File: VV006829.D
 Acq: 03 Aug 2018 01:18

Tgt Ion: 56 Resp: 120906
 Ion Ratio Lower Upper
 56 100
 69 30.6 24.4 36.6
 84 88.8 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: 5.358 ug/L

RT: 4.88 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VV006829.D

Acq: 03 Aug 2018 01:18

Instrument :

MSVOA_V

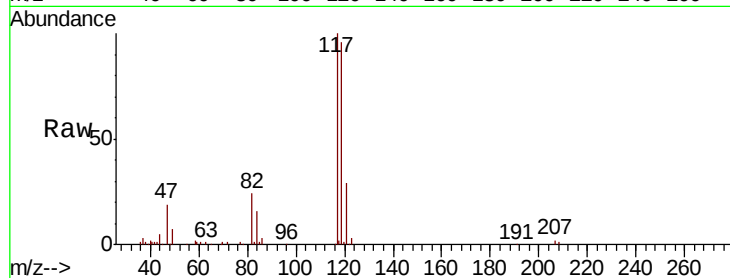
ClientSampled :

Tot Ion:117 Resp: 107461

Ion Ratio Lower Upper

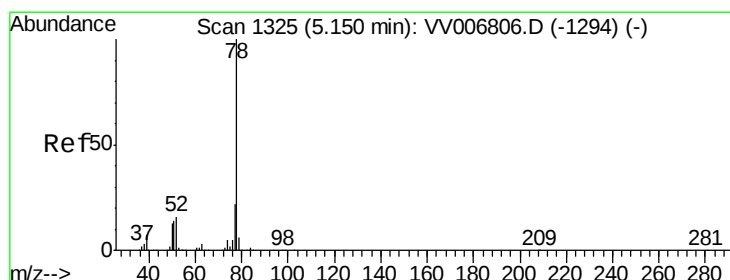
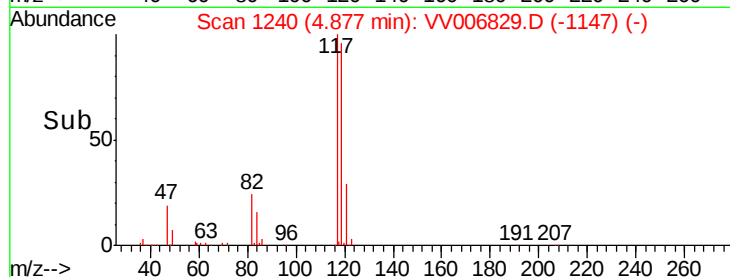
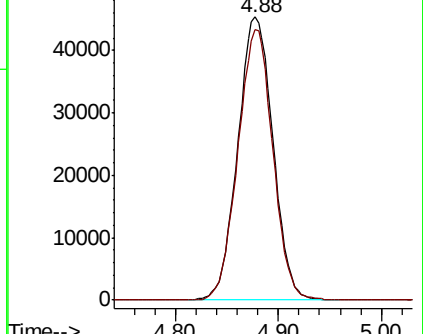
117 100

119 94.9 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: 5.183 ug/L

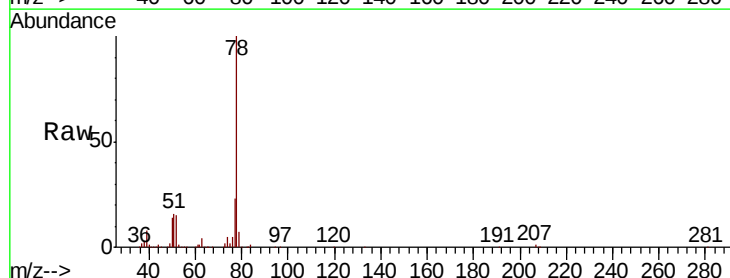
RT: 5.15 min Scan# 1325

Delta R.T. 0.00 min

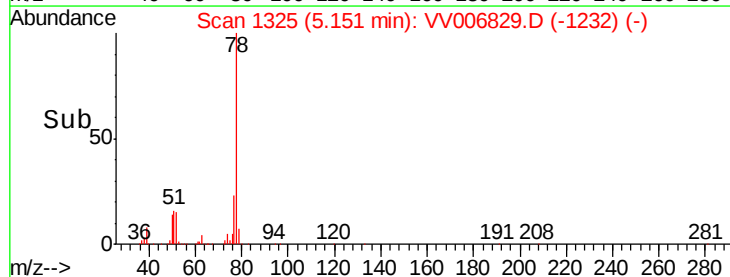
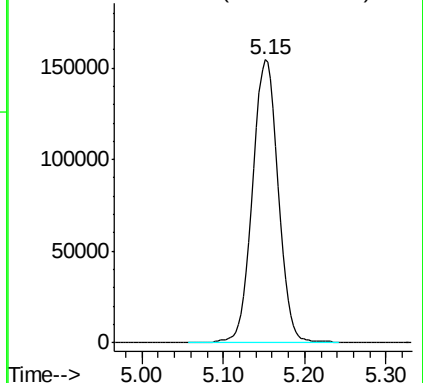
Lab File: VV006829.D

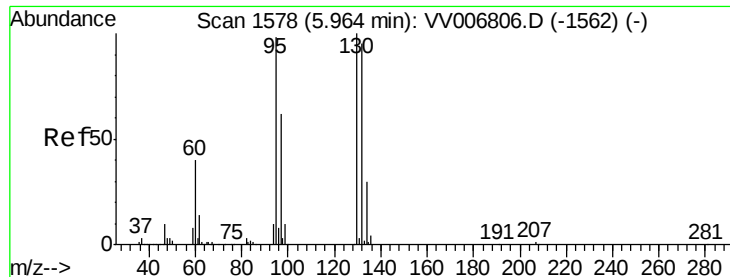
Acq: 03 Aug 2018 01:18

Tgt Ion: 78 Resp: 334659



Abundance Ion 78.10 (77.80 to 78.80): VV0

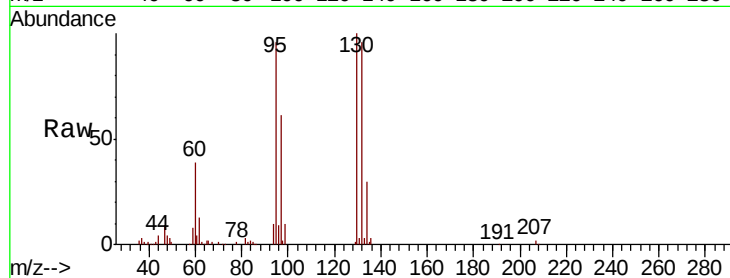




#34
 Trichloroethene
 Concen: 4.915 ug/L
 RT: 5.96 min Scan# 1578
 Delta R.T. 0.00 min
 Lab File: VV006829.D
 Acq: 03 Aug 2018 01:18

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
95	100		
97	63.7	46.3	86.1
132	100.6	72.0	133.6
130	104.6	72.4	134.4

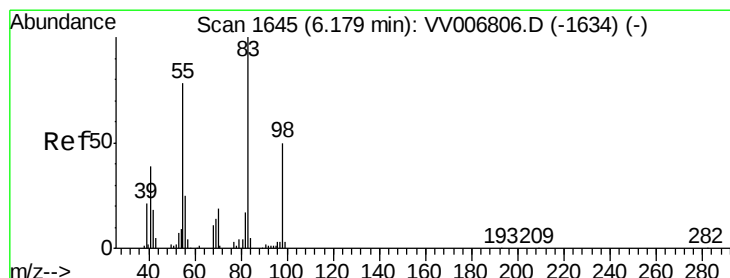
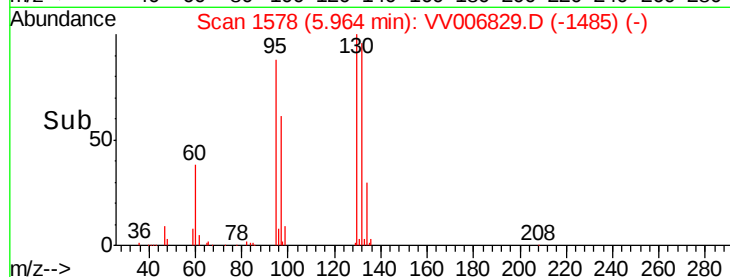
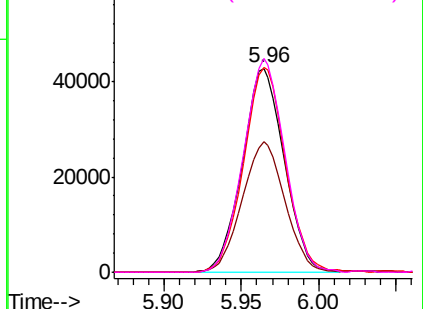


Abundance Ion 95.00 (94.70 to 95.70): VV006829.D (-1562) (-)

Ion 96.95 (96.65 to 97.65): VV006829.D (-1562) (-)

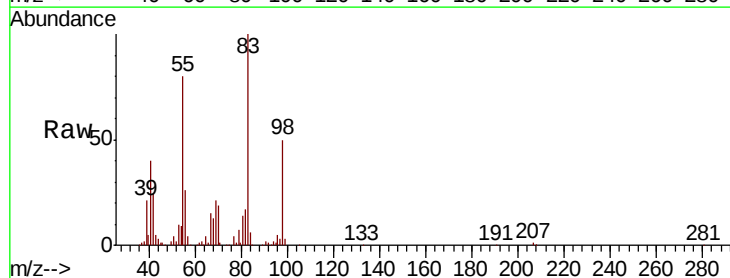
Ion 131.95 (131.65 to 132.65): VV006829.D (-1562) (-)

Ion 129.95 (129.65 to 130.65): VV006829.D (-1562) (-)



#35
 Methylcyclohexane
 Concen: 4.610 ug/L
 RT: 6.18 min Scan# 1645
 Delta R.T. 0.00 min
 Lab File: VV006829.D
 Acq: 03 Aug 2018 01:18

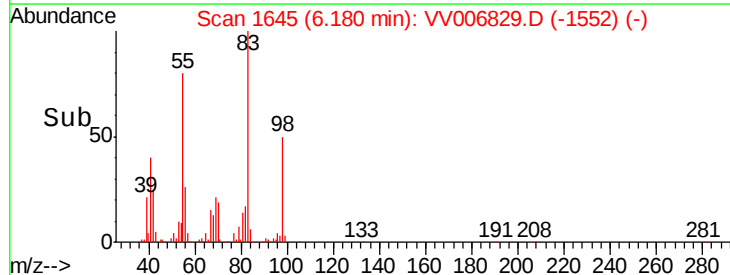
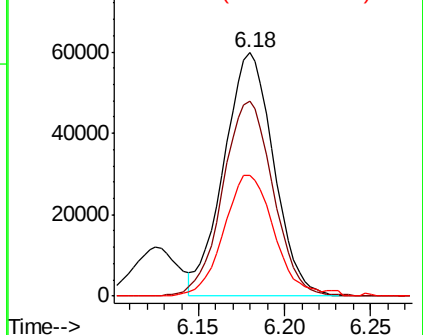
Tgt Ion	Ratio	Lower	Upper
83	100		
55	81.4	61.8	92.6
98	50.7	37.2	55.8

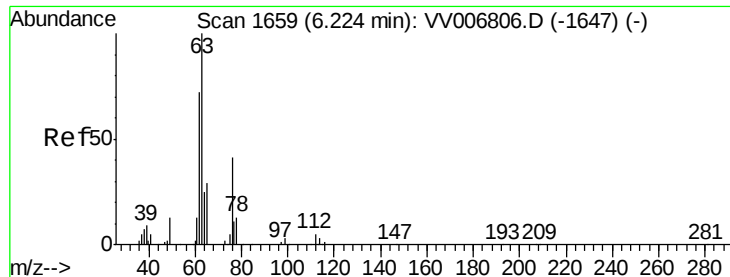


Abundance Ion 83.15 (82.85 to 83.85): VV006829.D (-1552) (-)

Ion 55.10 (54.80 to 55.80): VV006829.D (-1552) (-)

Ion 98.15 (97.85 to 98.85): VV006829.D (-1552) (-)





#37

1,2-Dichloropropane

Concen: 5.222 ug/L

RT: 6.23 min Scan# 1660

Delta R.T. 0.00 min

Lab File: VV006829.D

Acq: 03 Aug 2018 01:18

Instrument :

MSVOA_V

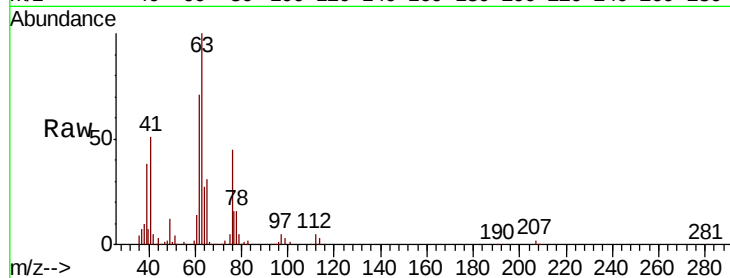
ClientSampled :

Tot Ion: 63 Resp: 88404

Ion Ratio Lower Upper

63 100

112 4.9 3.0 4.6#

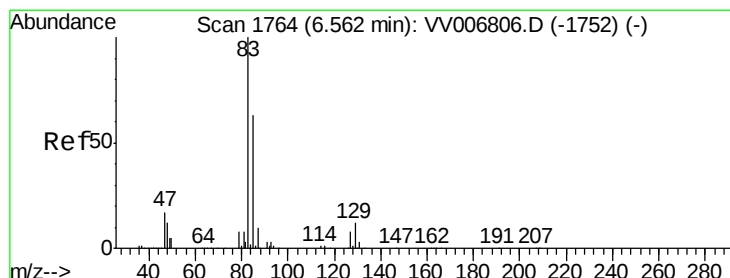
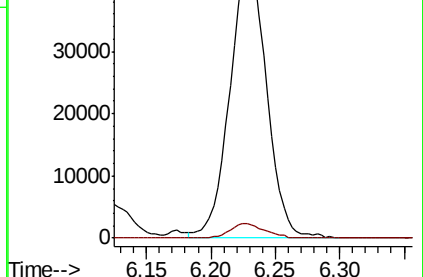
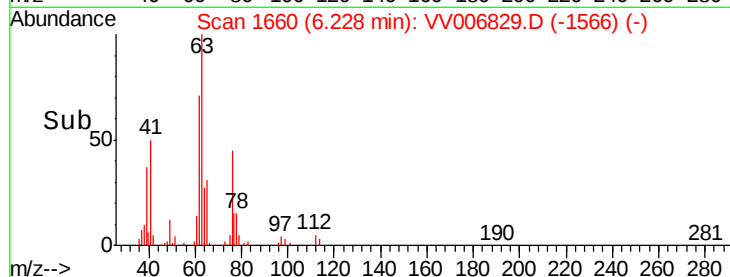


Abundance Ion 63.10 (62.80 to 63.80): VV006806.D (-1647) (-)

Ion 112.10 (111.80 to 112.80): VV006806.D (-1647) (-)

6.23

Time-->



#38

Bromodichloromethane

Concen: 5.382 ug/L

RT: 6.56 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VV006829.D

Acq: 03 Aug 2018 01:18

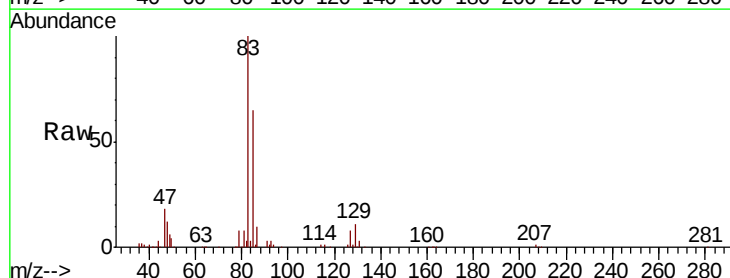
Tgt Ion: 83 Resp: 103719

Ion Ratio Lower Upper

83 100

85 64.8 46.7 86.7

127 8.4 6.4 9.6



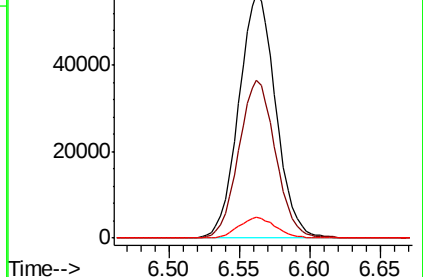
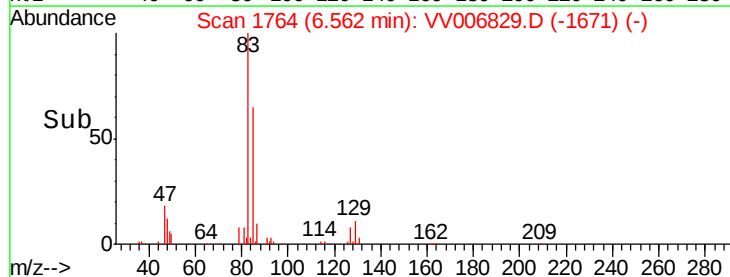
Abundance Ion 82.95 (82.65 to 83.65): VV006806.D (-1752) (-)

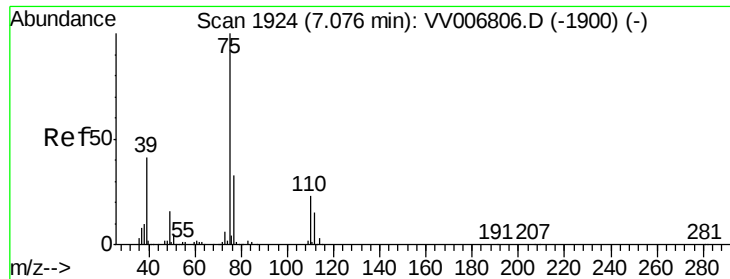
Ion 85.00 (84.70 to 85.70): VV006806.D (-1752) (-)

Ion 126.90 (126.60 to 127.60): VV006806.D (-1752) (-)

6.56

Time-->



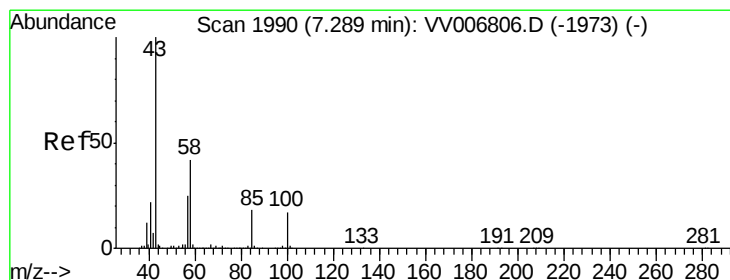
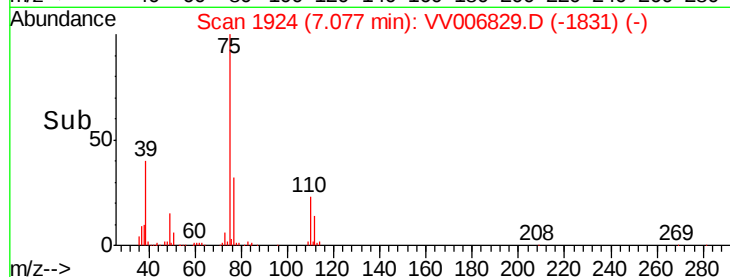
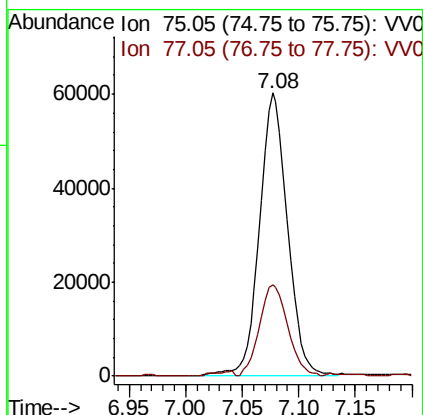
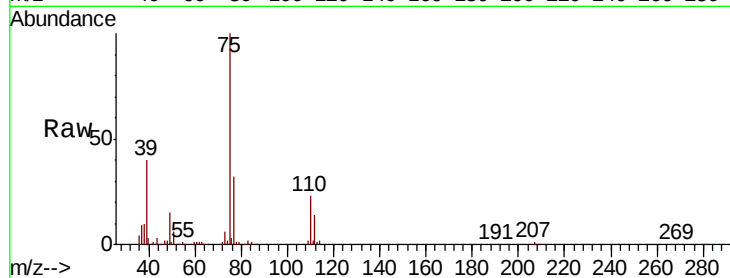


#39

cis-1,3-Dichloropropene
 Concen: 4.760 ug/L
 RT: 7.08 min Scan# 1924
 Delta R.T. 0.00 min
 Lab File: VV006829.D
 Acq: 03 Aug 2018 01:18

Instrument :
 MSVOA_V
 ClientSampleId :

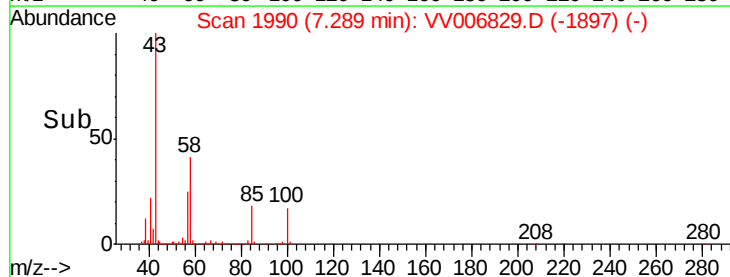
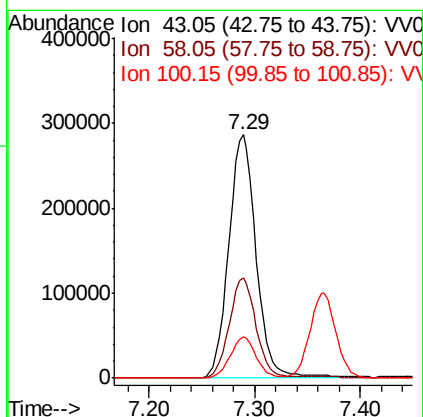
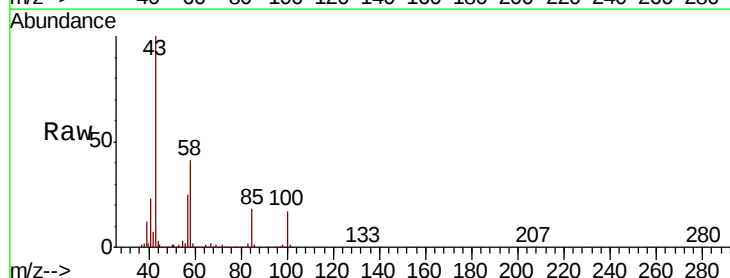
Tot Ion: 75 Resp: 104053
 Ion Ratio Lower Upper
 75 100
 77 32.4 22.5 41.9

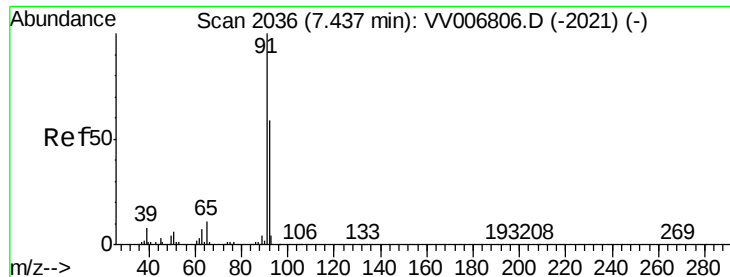


#40

4-Methyl-2-pentanone
 Concen: 54.635 ug/L
 RT: 7.29 min Scan# 1990
 Delta R.T. 0.00 min
 Lab File: VV006829.D
 Acq: 03 Aug 2018 01:18

Tgt Ion: 43 Resp: 511889
 Ion Ratio Lower Upper
 43 100
 58 40.3 32.6 48.8
 100 15.9 13.1 19.7





#42

Toluene

Concen: 5.098 ug/L

RT: 7.44 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VV006829.D

Acq: 03 Aug 2018 01:18

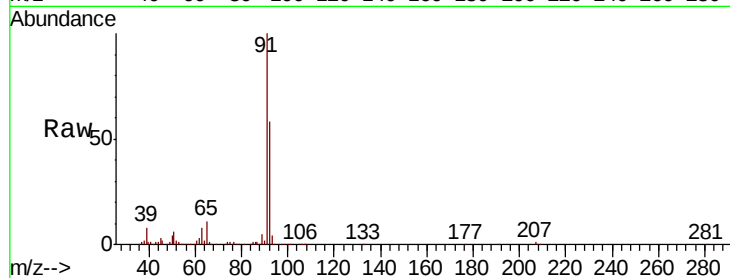
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 91 Resp: 323796

Ion Ratio Lower Upper

91 100

92 58.4 41.4 77.0



Abundance Ion 91.15 (90.85 to 91.85): VV006806.D (-2021) (-)

Ion 92.15 (91.85 to 92.85): VV006829.D (-1943) (-)

7.44

200000

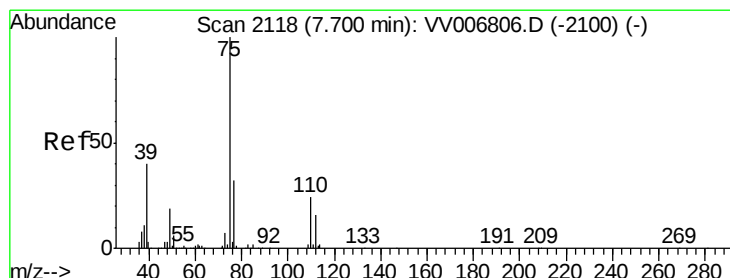
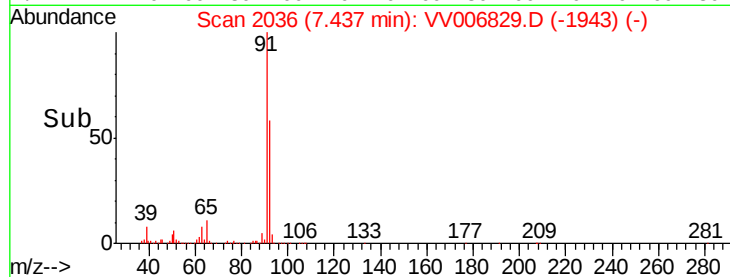
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 4.736 ug/L

RT: 7.70 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VV006829.D

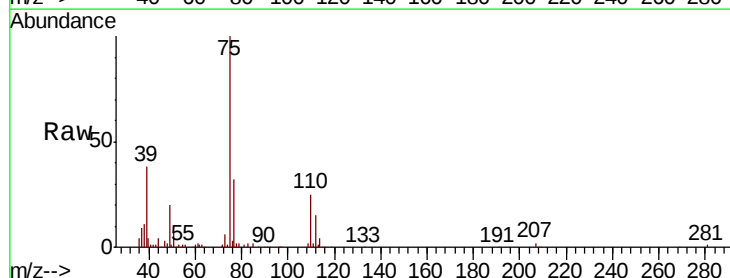
Acq: 03 Aug 2018 01:18

Tgt Ion: 75 Resp: 85241

Ion Ratio Lower Upper

75 100

77 32.0 20.5 38.1



Abundance Ion 75.05 (74.75 to 75.75): VV006806.D (-2100) (-)

Ion 77.05 (76.75 to 77.75): VV006829.D (-2025) (-)

7.70

60000

50000

40000

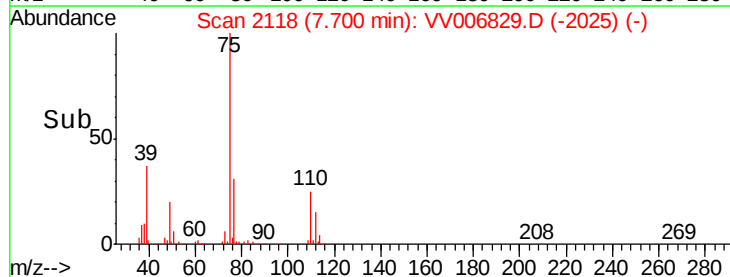
30000

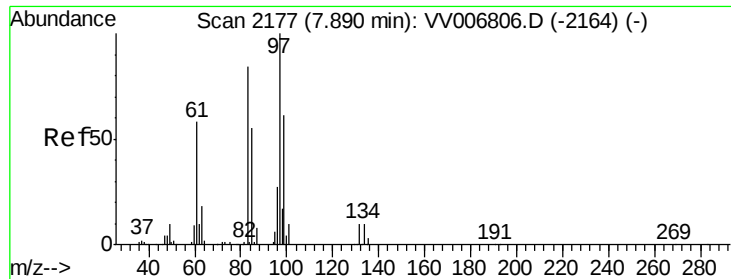
20000

10000

0

Time-->

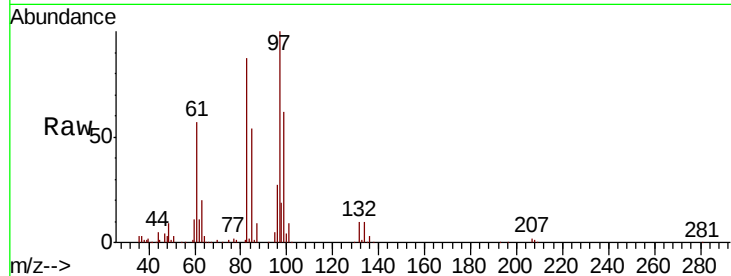




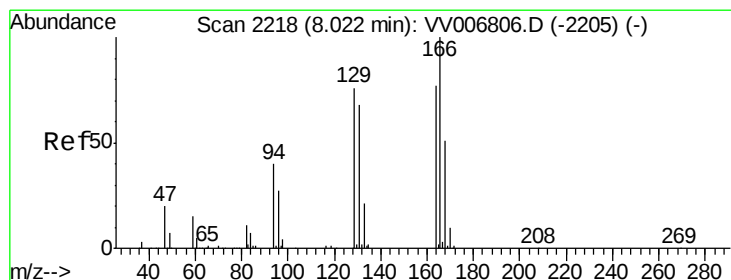
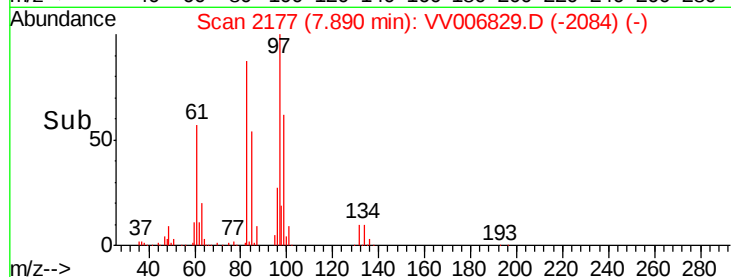
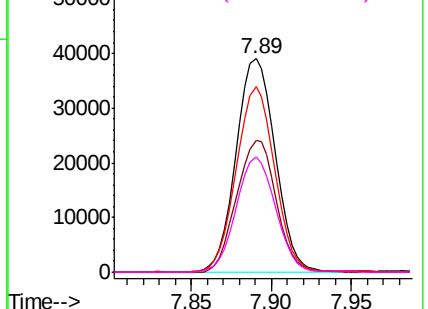
#45
 1,1,2-Trichloroethane
 Concen: 5.329 ug/L
 RT: 7.89 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VV006829.D
 Acq: 03 Aug 2018 01:18

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:	97	Resp:	65226
Ion	Ratio	Lower	Upper
97	100		
99	61.7	42.2	78.4
83	86.9	58.0	107.8
85	53.7	38.2	71.0

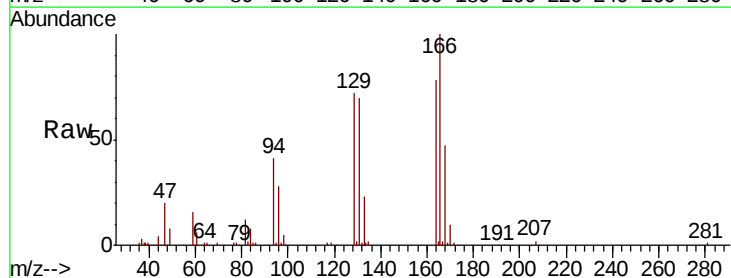


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 82.95 (82.65 to 83.65): VV0
 Ion 85.00 (84.70 to 85.70): VV0

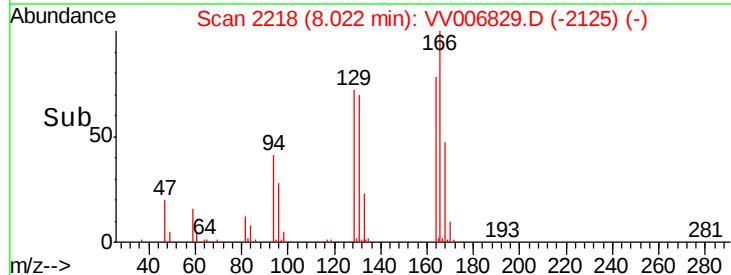
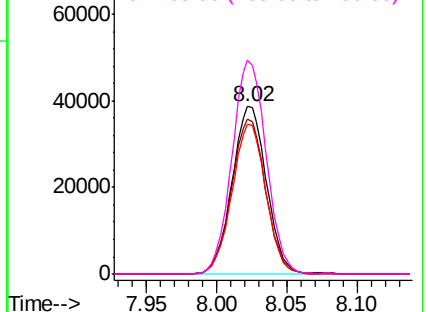


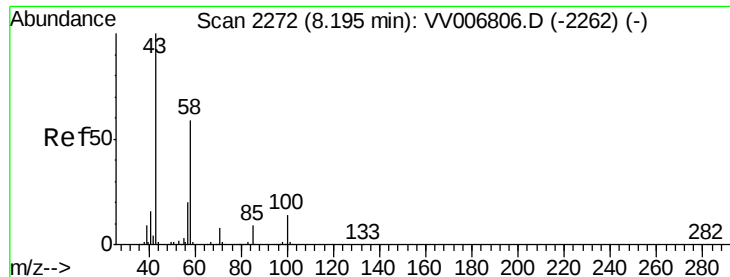
#47
 Tetrachloroethene
 Concen: 5.063 ug/L
 RT: 8.02 min Scan# 2218
 Delta R.T. 0.00 min
 Lab File: VV006829.D
 Acq: 03 Aug 2018 01:18

Tgt Ion:	164	Resp:	66281
Ion	Ratio	Lower	Upper
164	100		
129	92.5	61.1	113.5
131	89.7	59.1	109.7
166	127.7	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

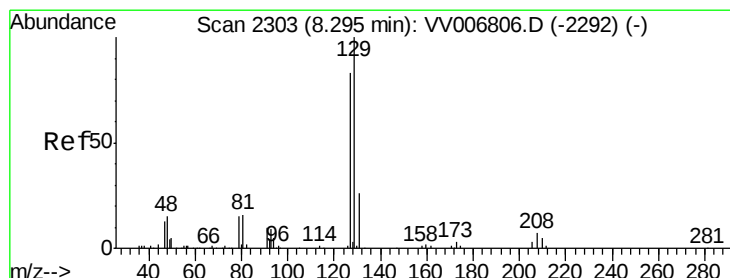
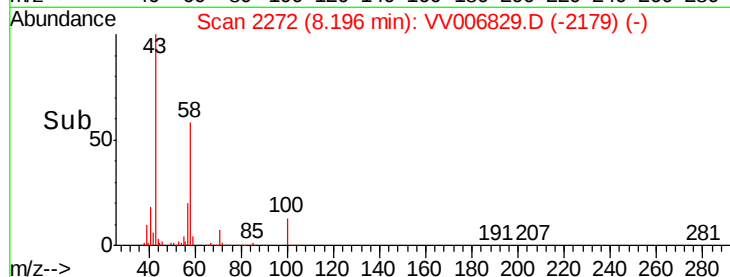
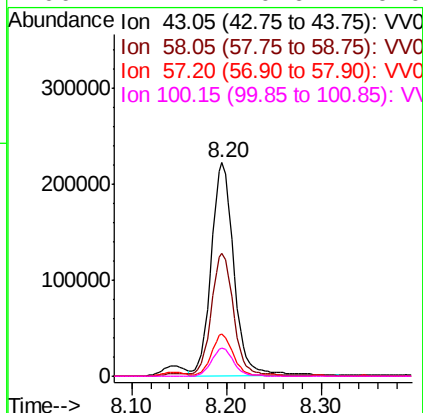
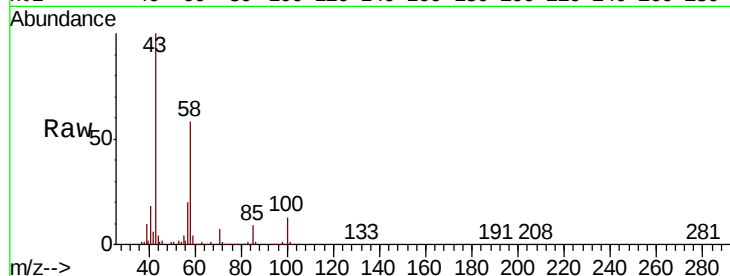




#48
2-Hexanone
Concen: 57.763 ug/L
RT: 8.20 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VV006829.D
Acq: 03 Aug 2018 01:18

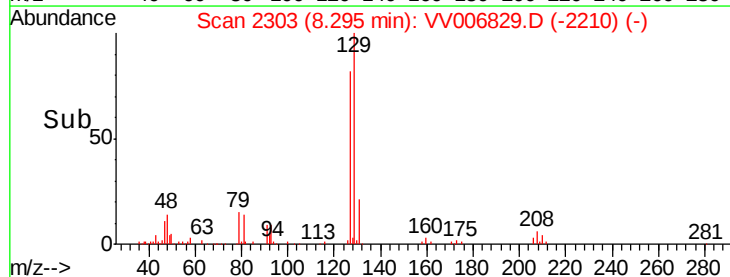
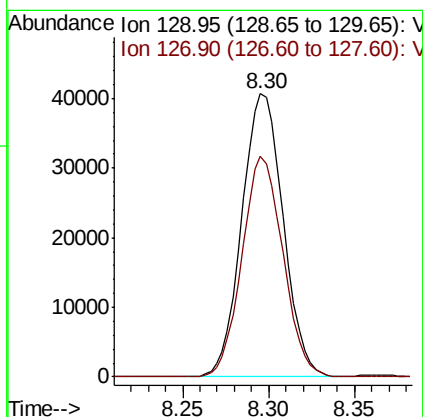
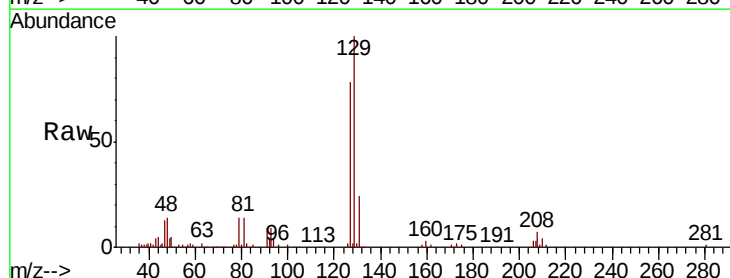
Instrument :
MSVOA_V
ClientSampleId :

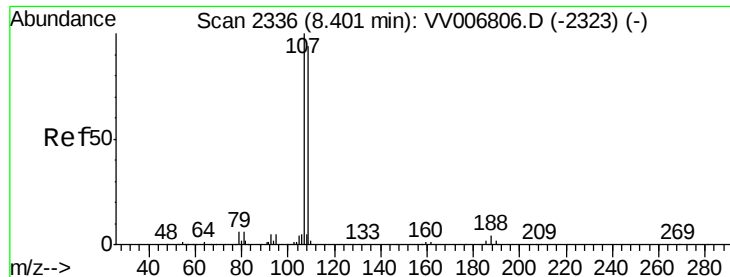
Tot Ion:	43	Resp:	367220
Ion	Ratio	Lower	Upper
43	100		
58	56.0	45.4	68.0
57	18.9	15.4	23.2
100	12.7	10.6	16.0



#49
Dibromochloromethane
Concen: 5.487 ug/L
RT: 8.30 min Scan# 2303
Delta R.T. 0.00 min
Lab File: VV006829.D
Acq: 03 Aug 2018 01:18

Tgt Ion:	129	Resp:	67891
Ion	Ratio	Lower	Upper
129	100		
127	77.8	55.2	102.4

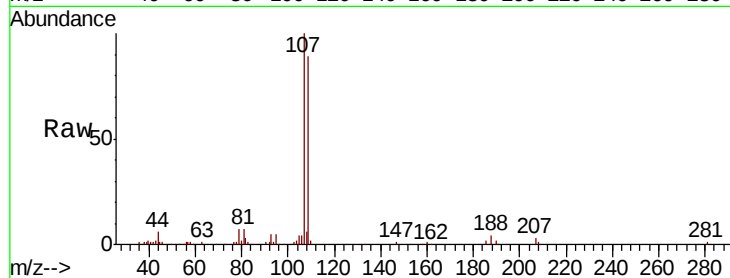




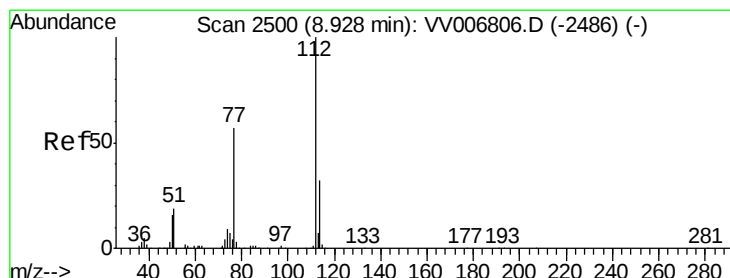
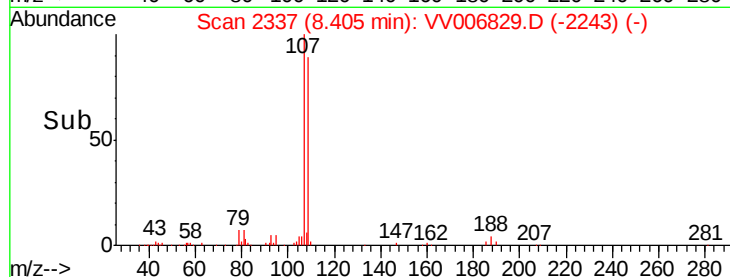
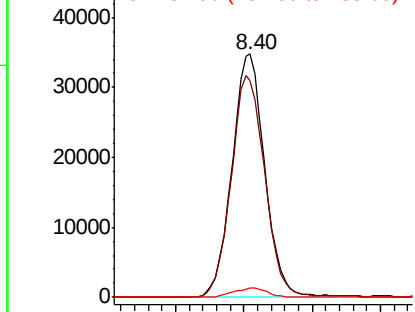
#50
 1,2-Dibromoethane
 Concen: 5.546 ug/L
 RT: 8.40 min Scan# 2337
 Delta R.T. 0.00 min
 Lab File: VV006829.D
 Acq: 03 Aug 2018 01:18

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:107 Resp: 57861
 Ion Ratio Lower Upper
 107 100
 109 88.9 64.0 119.0
 188 3.6 2.8 4.2

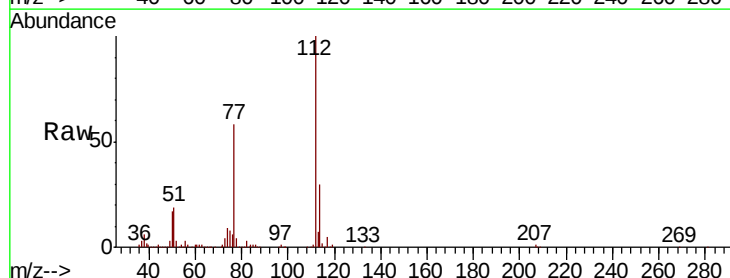


Abundance Ion 106.95 (106.65 to 107.65): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 187.90 (187.60 to 188.60): V

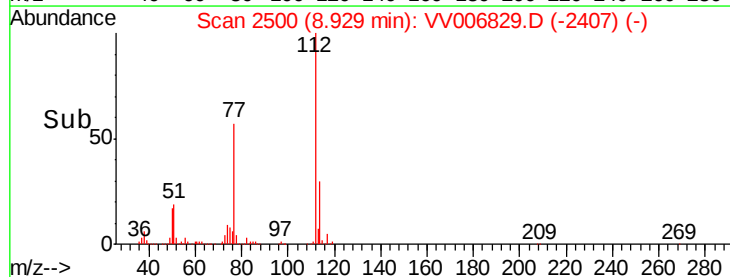
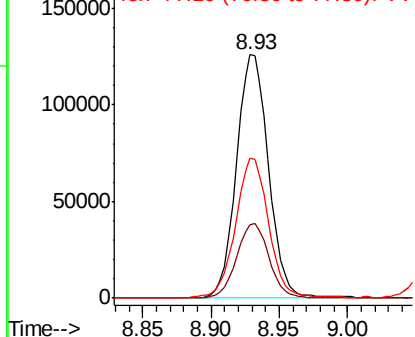


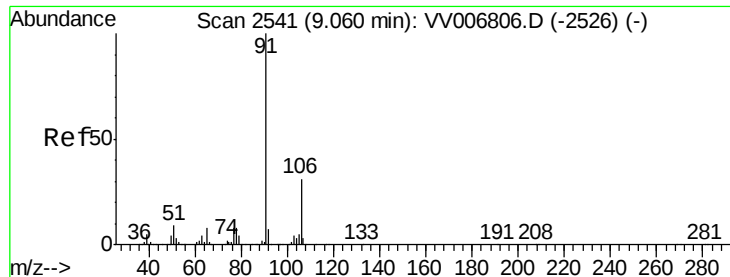
#51
 Chlorobenzene
 Concen: 5.022 ug/L
 RT: 8.93 min Scan# 2500
 Delta R.T. 0.00 min
 Lab File: VV006829.D
 Acq: 03 Aug 2018 01:18

Tgt Ion:112 Resp: 205306
 Ion Ratio Lower Upper
 112 100
 114 30.3 22.3 41.5
 77 57.7 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): VV0





#52

Ethylbenzene

Concen: 4.791 ug/L

RT: 9.06 min Scan# 2541

Delta R.T. 0.00 min

Lab File: VV006829.D

Acq: 03 Aug 2018 01:18

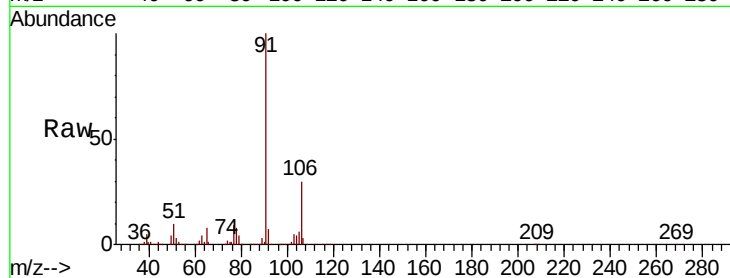
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 317904

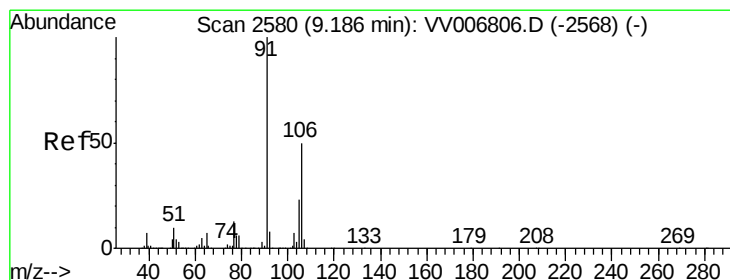
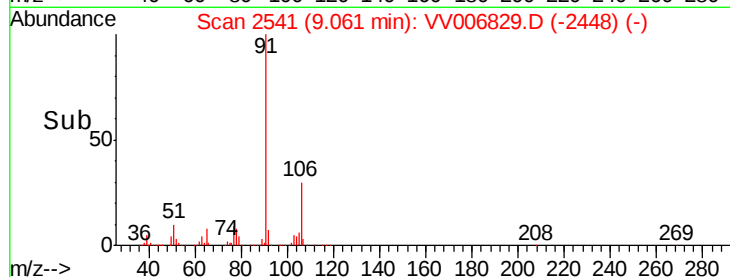
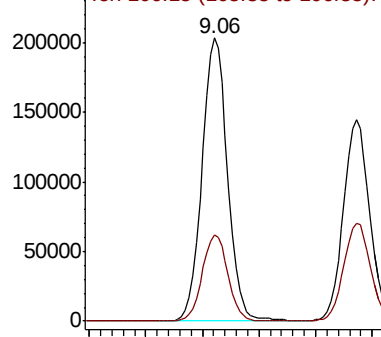
Ion Ratio Lower Upper

91 100

106 30.3 21.3 39.6



Abundance Ion 91.15 (90.85 to 91.85): VV006829.D (-2448) (-)



#53

m,p-xylene

Concen: 4.747 ug/L

RT: 9.19 min Scan# 2580

Delta R.T. 0.00 min

Lab File: VV006829.D

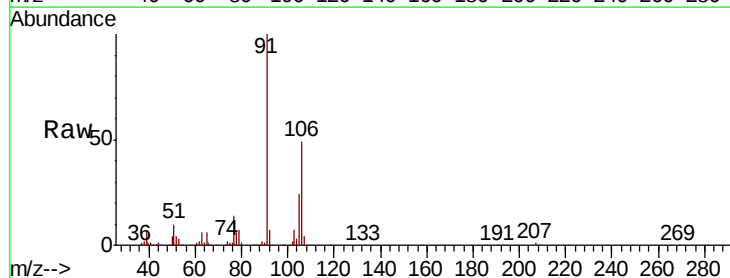
Acq: 03 Aug 2018 01:18

Tgt Ion: 106 Resp: 116926

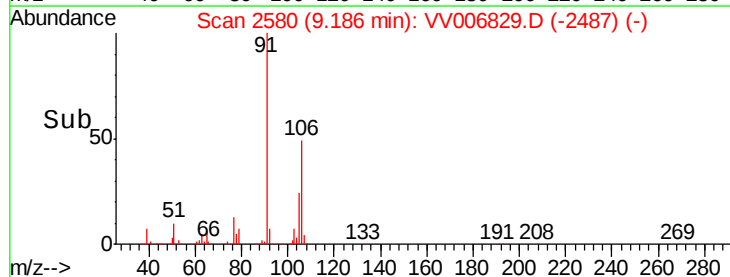
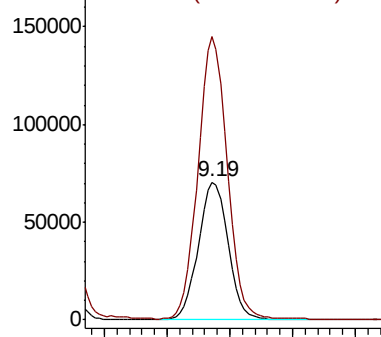
Ion Ratio Lower Upper

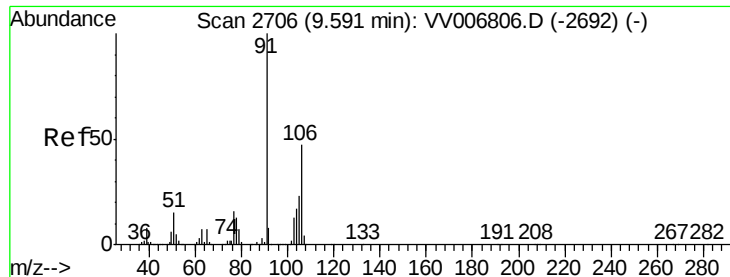
106 100

91 205.4 137.4 255.2



Abundance Ion 106.15 (105.85 to 106.85): VV006829.D (-2487) (-)





#54

o-xylene

Concen: 4.615 ug/L

RT: 9.59 min Scan# 2706

Delta R.T. 0.00 min

Lab File: VV006829.D

Acq: 03 Aug 2018 01:18

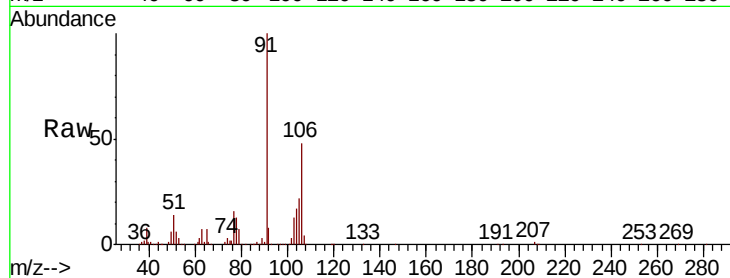
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:106 Resp: 114697

Ion Ratio Lower Upper

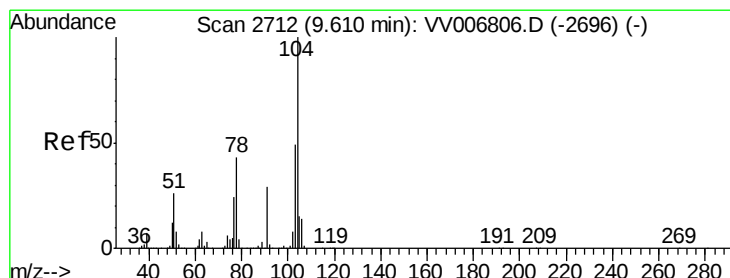
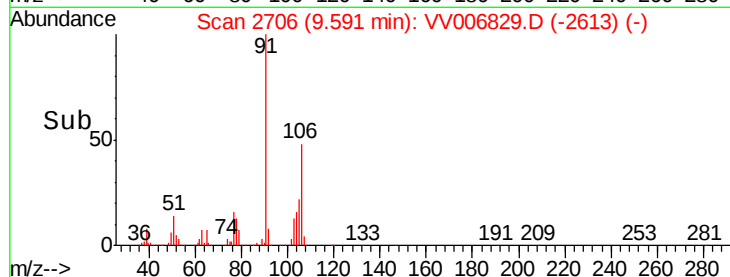
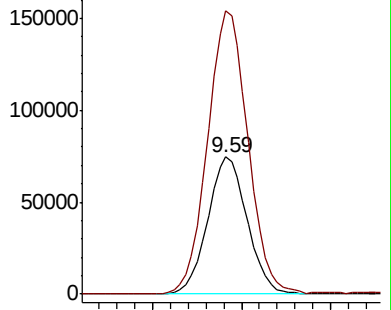
106 100

91 206.3 150.1 278.9



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 4.724 ug/L

RT: 9.61 min Scan# 2712

Delta R.T. 0.00 min

Lab File: VV006829.D

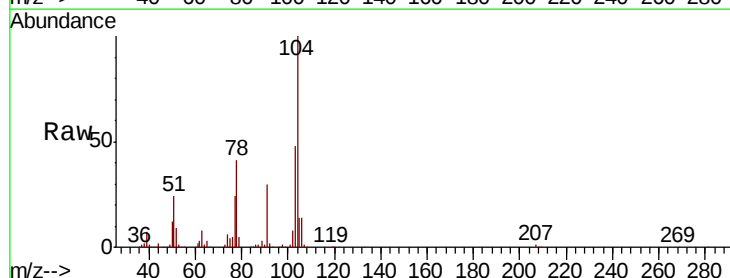
Acq: 03 Aug 2018 01:18

Tgt Ion:104 Resp: 184480

Ion Ratio Lower Upper

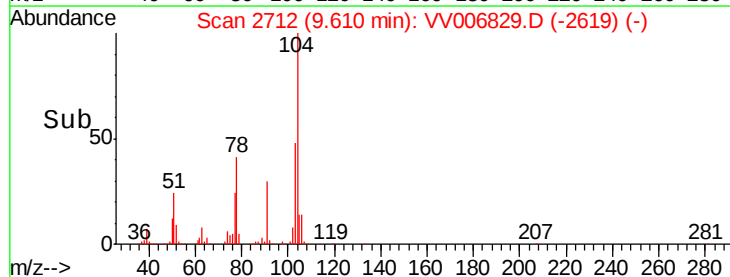
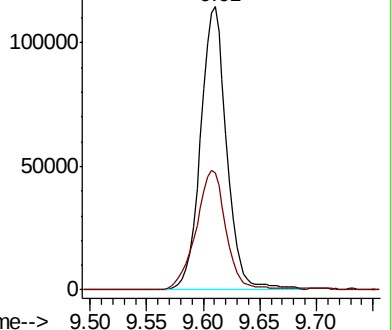
104 100

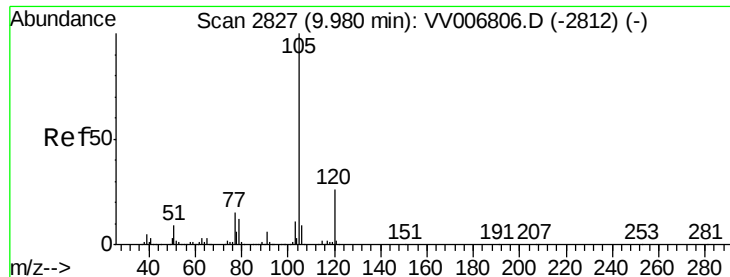
78 41.2 29.6 55.0



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 4.787 ug/L

RT: 9.98 min Scan# 2827

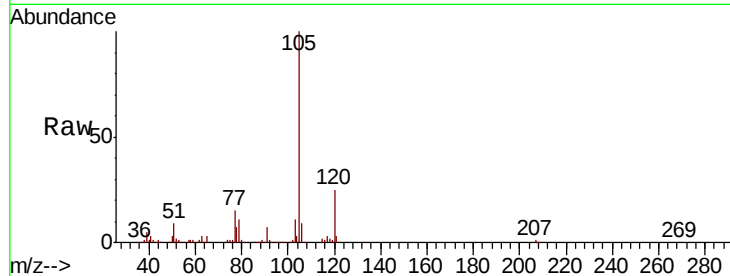
Delta R.T. 0.00 min

Lab File: VV006829.D

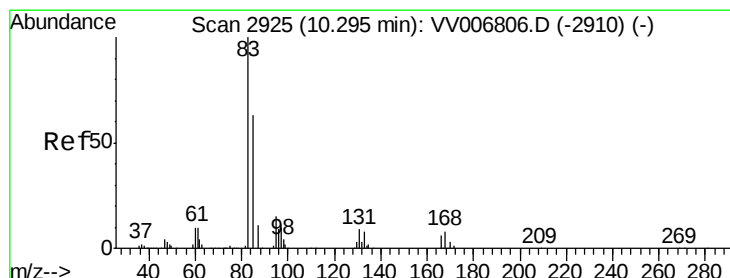
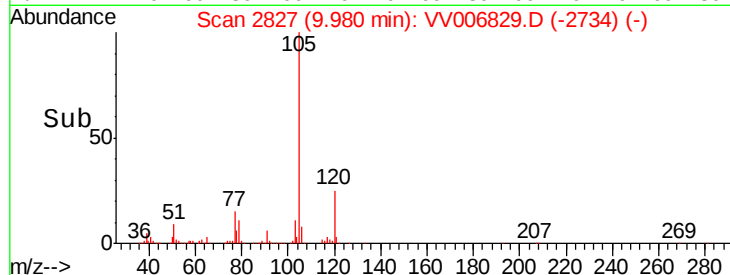
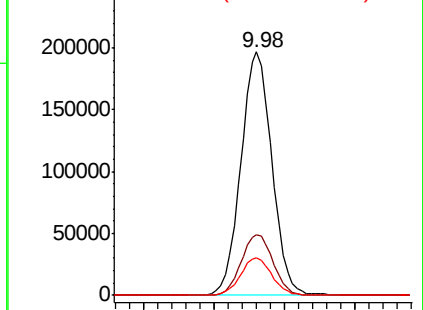
Acq: 03 Aug 2018 01:18

Instrument :
MSVOA_V
ClientSampled :

Tot Ion:	105	Resp:	302700
Ion	Ratio	Lower	Upper
105	100		
120	25.8	21.1	31.7
77	15.2	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: 5.420 ug/L

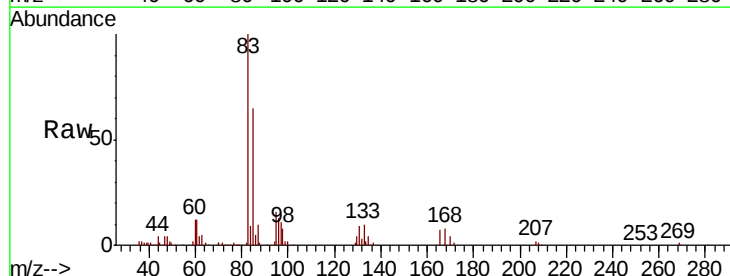
RT: 10.29 min Scan# 2924

Delta R.T. -0.00 min

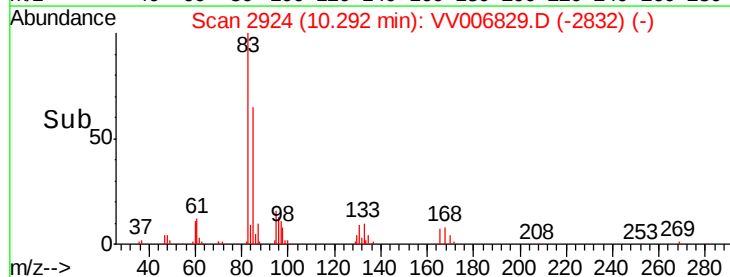
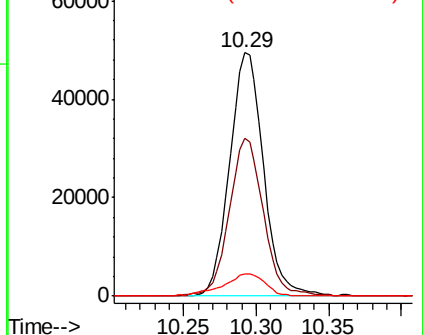
Lab File: VV006829.D

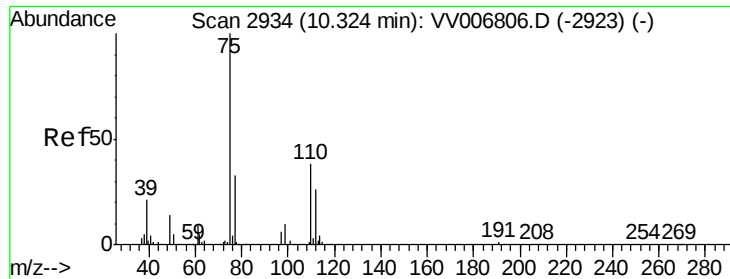
Acq: 03 Aug 2018 01:18

Tgt Ion:	83	Resp:	80280
Ion	Ratio	Lower	Upper
83	100		
85	64.8	44.1	81.9
131	9.4	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: 5.546 ug/L

RT: 10.32 min Scan# 2934

Delta R.T. 0.00 min

Lab File: VV006829.D

Acq: 03 Aug 2018 01:18

Instrument :

MSVOA_V

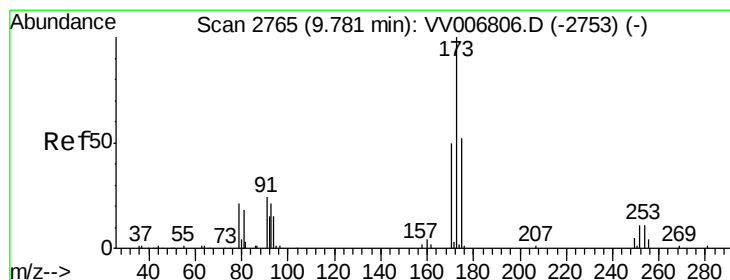
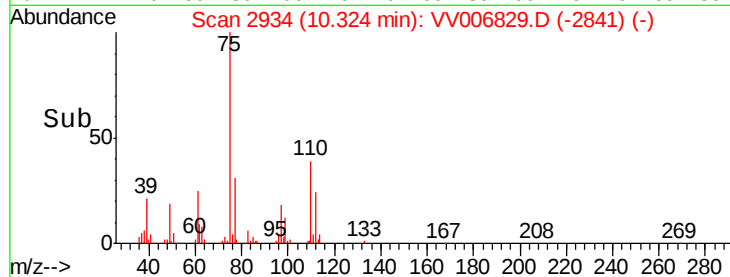
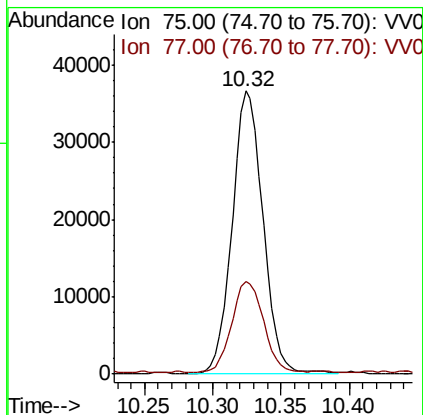
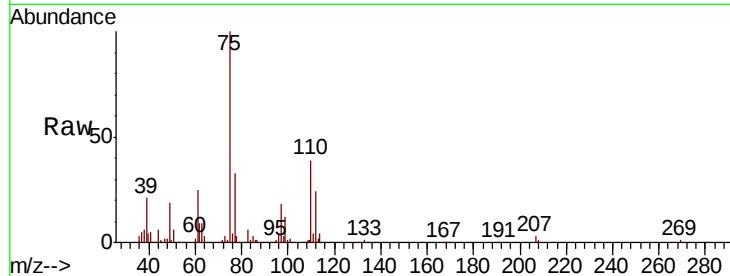
ClientSampleId :

Tot Ion: 75 Resp: 57736

Ion Ratio Lower Upper

75 100

77 32.5 26.8 40.2



#61

Bromoform

Concen: 5.770 ug/L

RT: 9.78 min Scan# 2765

Delta R.T. 0.00 min

Lab File: VV006829.D

Acq: 03 Aug 2018 01:18

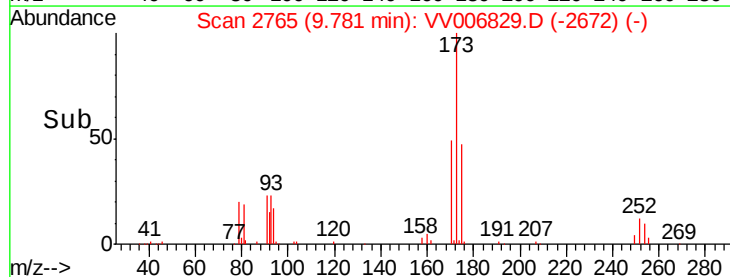
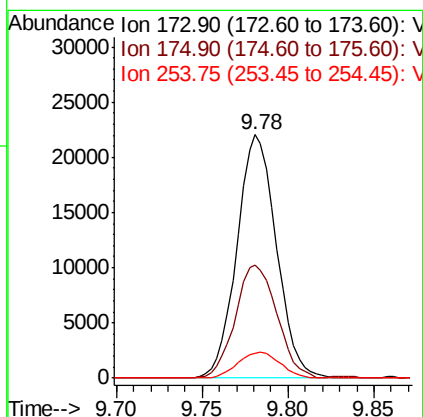
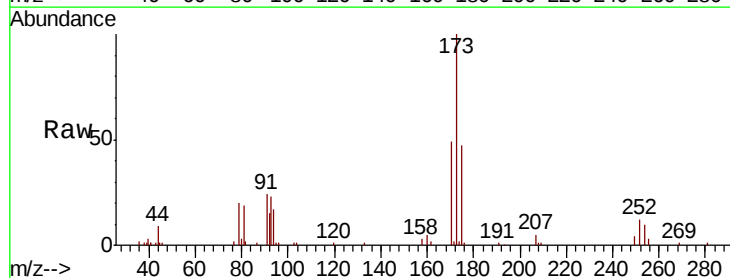
Tgt Ion: 173 Resp: 34984

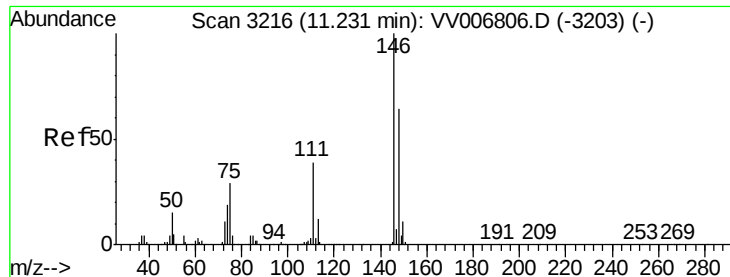
Ion Ratio Lower Upper

173 100

175 49.1 39.3 58.9

254 11.5 9.7 14.5





#62

1,3-Dichlorobenzene

Concen: 4.984 ug/L

RT: 11.23 min Scan# 3216

Delta R.T. 0.00 min

Lab File: VV006829.D

Acq: 03 Aug 2018 01:18

Instrument :

MSVOA_V

ClientSampled :

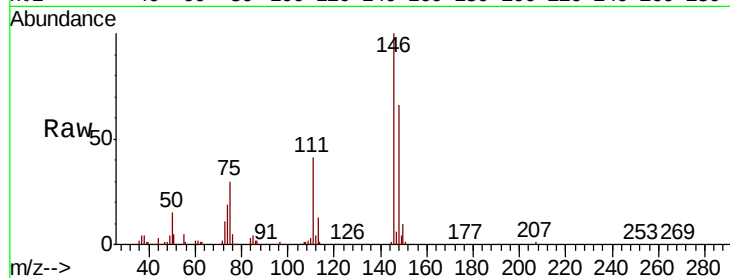
Tot Ion:146 Resp: 140241

Ion Ratio Lower Upper

146 100

111 40.9 27.3 50.7

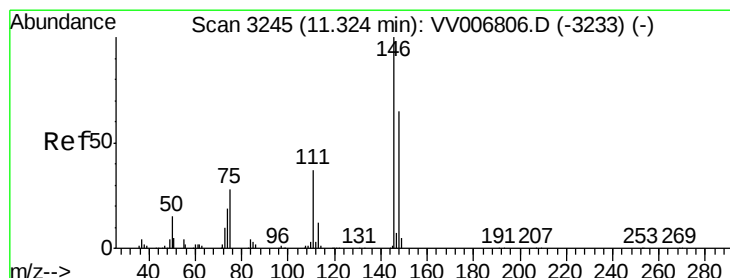
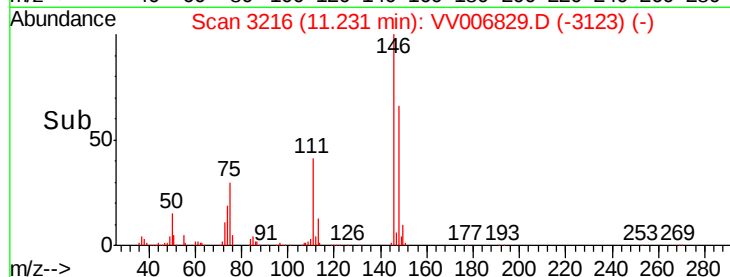
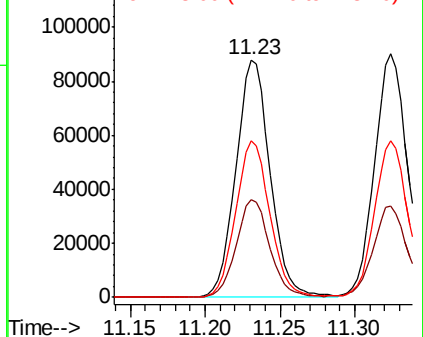
148 65.8 45.1 83.9



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: 5.104 ug/L

RT: 11.32 min Scan# 3245

Delta R.T. 0.00 min

Lab File: VV006829.D

Acq: 03 Aug 2018 01:18

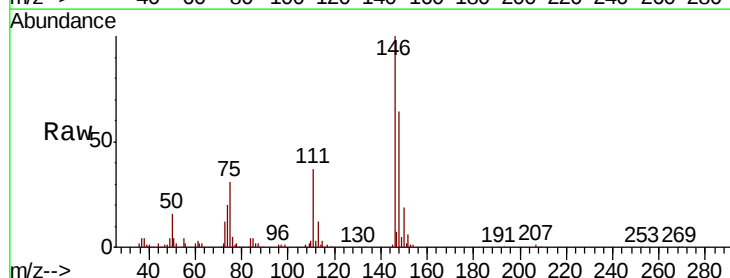
Tgt Ion:146 Resp: 142093

Ion Ratio Lower Upper

146 100

111 37.4 26.2 48.8

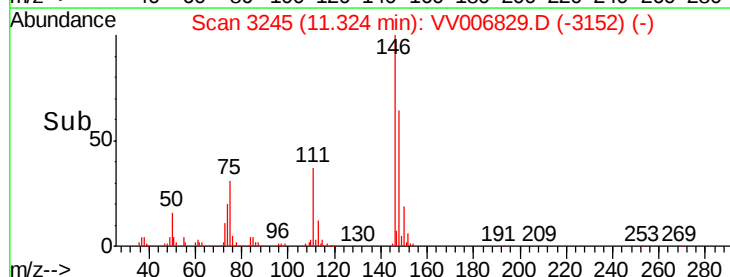
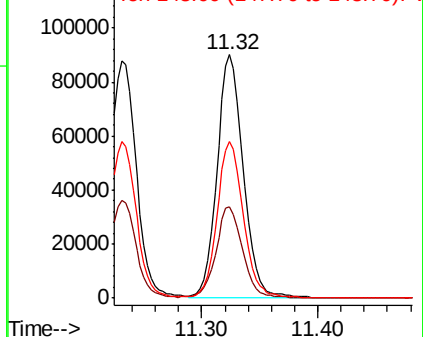
148 64.1 44.9 83.3

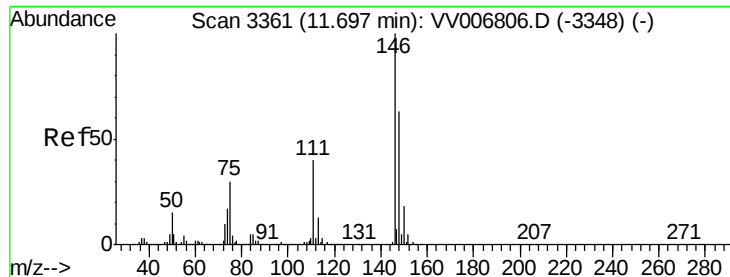


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 5.147 ug/L

RT: 11.70 min Scan# 3361

Delta R.T. 0.00 min

Lab File: VV006829.D

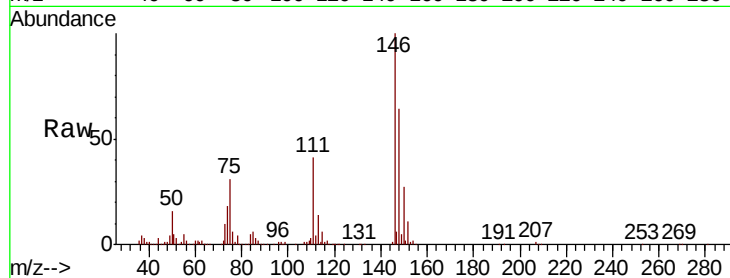
Acq: 03 Aug 2018 01:18

Instrument :

MSVOA_V

ClientSampleId :

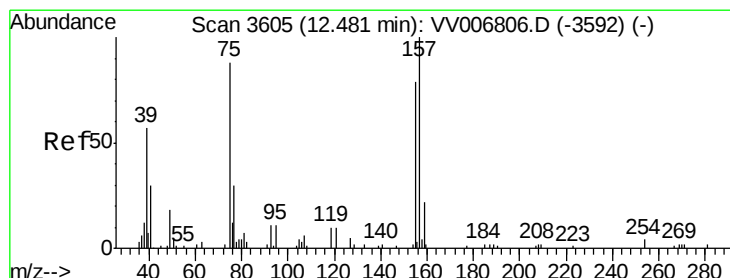
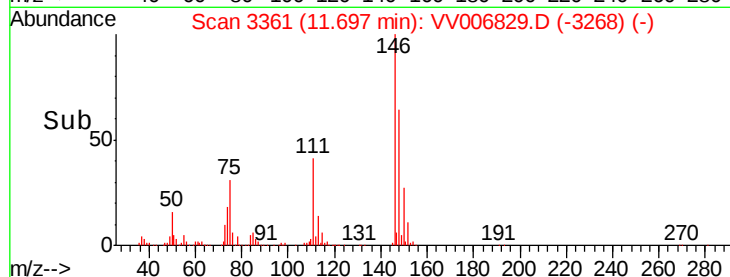
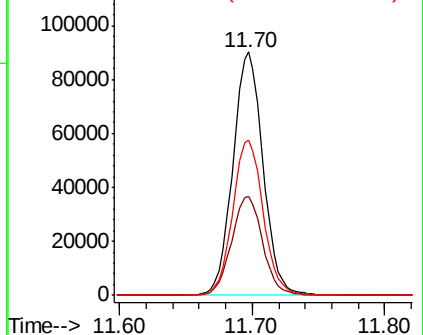
Tot Ion:	146	Resp:	142131
Ion	Ratio	Lower	Upper
146	100		
111	40.6	31.8	47.6
148	63.8	52.3	78.5



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: 5.678 ug/L

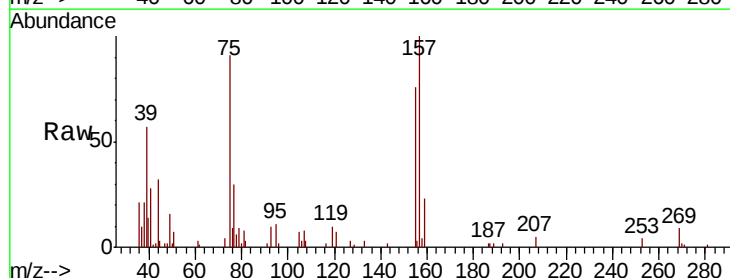
RT: 12.48 min Scan# 3605

Delta R.T. 0.00 min

Lab File: VV006829.D

Acq: 03 Aug 2018 01:18

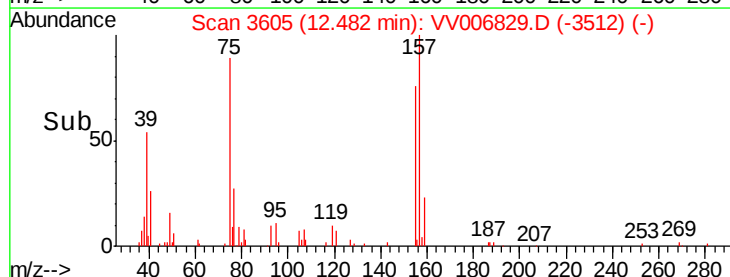
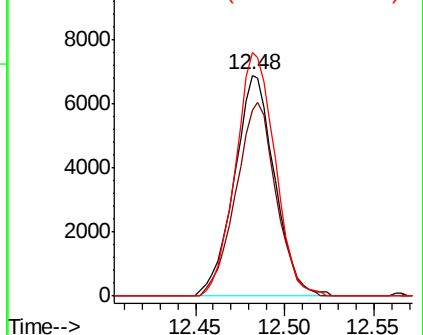
Tgt Ion:	75	Resp:	10904
Ion	Ratio	Lower	Upper
75	100		
155	83.9	61.8	92.8
157	110.1	86.6	129.8

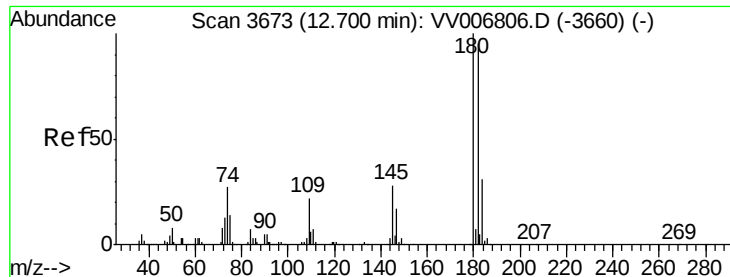


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

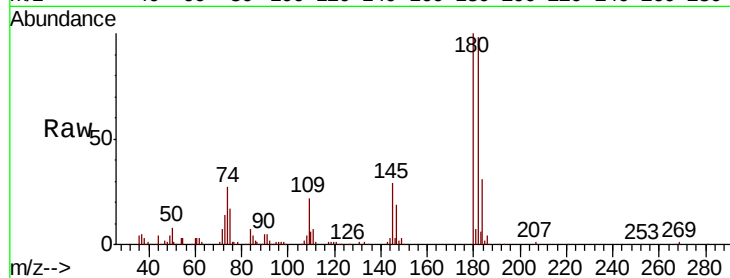




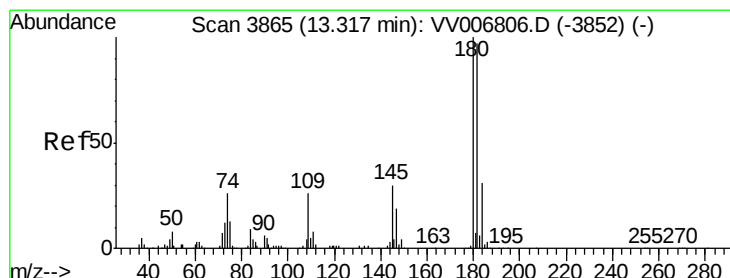
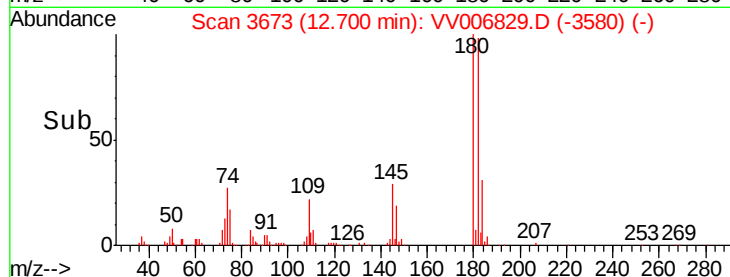
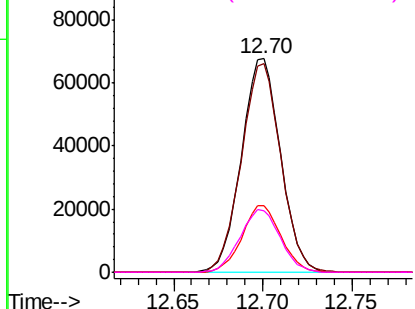
#67
 1,3,5-Trichlorobenzene
 Concen: 4.808 ug/L
 RT: 12.70 min Scan# 3673
 Delta R.T. 0.00 min
 Lab File: VV006829.D
 Acq: 03 Aug 2018 01:18

Instrument :
 MSVOA_V
 ClientSampled :

Tot Ion:180	Resp:	104066
Ion Ratio	Lower	Upper
180	100	
182	98.2	74.6 112.0
184	31.1	22.7 34.1
145	30.1	22.9 34.3

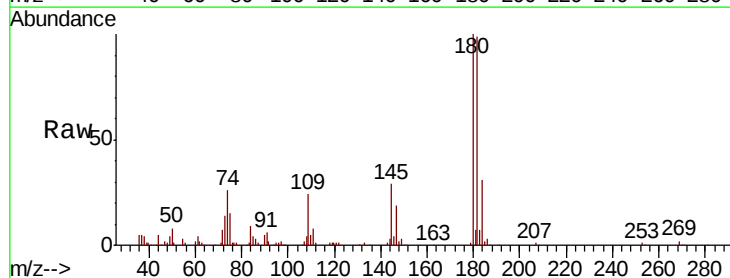


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

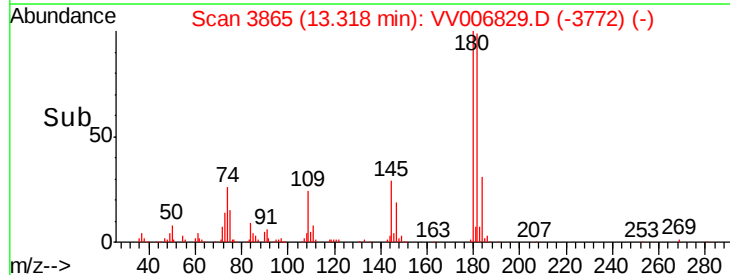
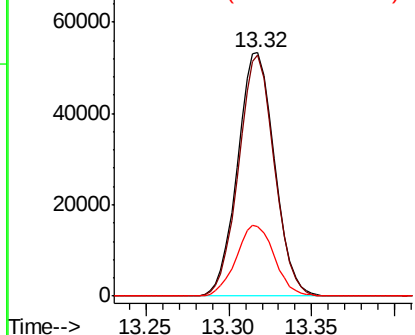


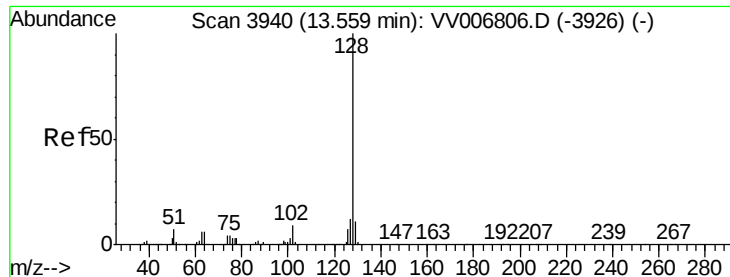
#68
 1,2,4-trichlorobenzene
 Concen: 4.920 ug/L
 RT: 13.32 min Scan# 3865
 Delta R.T. 0.00 min
 Lab File: VV006829.D
 Acq: 03 Aug 2018 01:18

Tgt Ion:180	Resp:	82726
Ion Ratio	Lower	Upper
180	100	
182	95.4	77.0 115.6
145	29.9	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: 4.989 ug/L

RT: 13.56 min Scan# 3940

Delta R.T. 0.00 min

Lab File: VV006829.D

Acq: 03 Aug 2018 01:18

Instrument :

MSVOA_V

ClientSampleId :

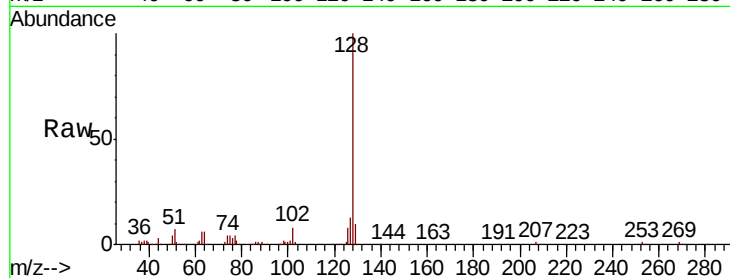
Tot Ion:128 Resp: 146214

Ion Ratio Lower Upper

128 100

129 10.7 8.2 12.4

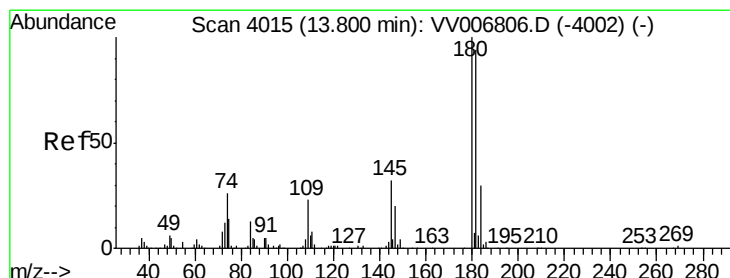
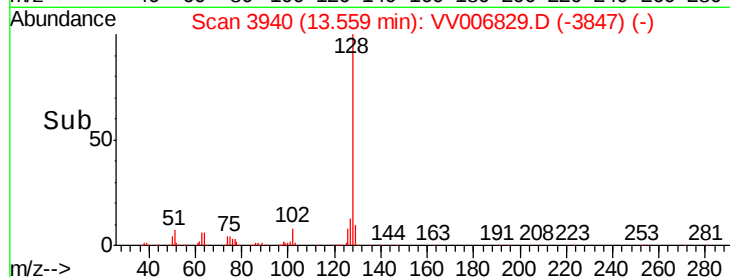
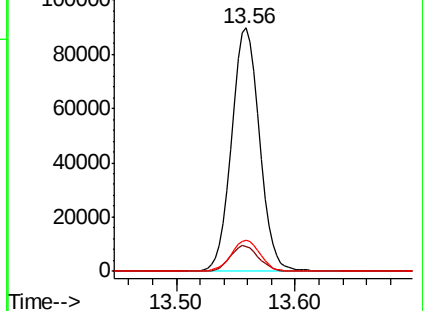
127 13.3 10.7 16.1



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: 5.191 ug/L

RT: 13.80 min Scan# 4015

Delta R.T. 0.00 min

Lab File: VV006829.D

Acq: 03 Aug 2018 01:18

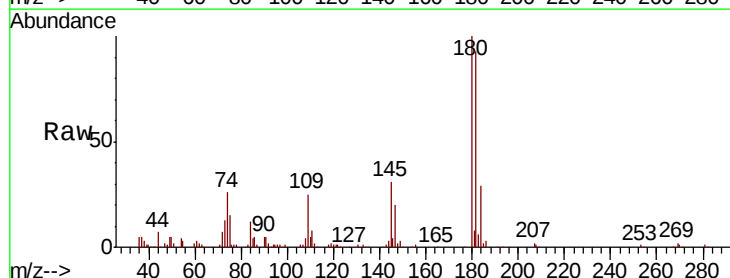
Tgt Ion:180 Resp: 84254

Ion Ratio Lower Upper

180 100

182 93.6 78.0 117.0

145 31.2 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

