

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV080418\
 Data File : VV006893.D
 Acq On : 04 Aug 2018 20:32
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25 mL/MSVOA V/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Aug 06 03:25:50 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR080218WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Aug 06 03:23:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	293444	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	289235	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	129985	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	117425	5.78	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	115.60%
7) Chloroethane-d5	1.58	69	105098	5.95	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	119.00%
11) 1,1-Dichloroethene-d2	2.13	63	226447	6.01	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	120.20%
20) 2-Butanone-d5	3.97	46	315303	63.97	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	127.94%
24) Chloroform-d	4.41	84	223325	6.28	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	125.60%#
26) 1,2-Dichloroethane-d4	5.09	65	112752	6.29	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	125.80%
32) Benzene-d6	5.10	84	415573	5.32	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	106.40%
36) 1,2-Dichloropropane-d6	6.12	67	142445	5.53	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	110.60%
41) Toluene-d8	7.36	98	387751	5.56	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	111.20%
43) trans-1,3-Dichloropropene-	7.67	79	48883	5.36	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	107.20%
46) 2-Hexanone-d5	8.15	63	214270	52.78	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	105.56%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	118556	6.18	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	123.60%#
64) 1,2-Dichlorobenzene-d4	11.68	152	128295	5.32	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	106.40%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	132314	5.646	ug/L 99
3) Chloromethane	1.25	50	133672	3.945	ug/L 98
5) Vinyl chloride	1.32	62	152947	5.810	ug/L 97
6) Bromomethane	1.54	94	25379	3.866	ug/L 98
8) Chloroethane	1.60	64	98591	5.573	ug/L 98
9) Trichlorofluoromethane	1.77	101	187106	5.813	ug/L 98
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	115155	5.688	ug/L 99
12) 1,1-Dichloroethene	2.14	96	106371	5.672	ug/L 88
13) Acetone	2.21	43	220719	63.495	ug/L 99
14) Carbon disulfide	2.32	76	315735	5.675	ug/L 96
15) Methyl Acetate	2.47	43	64927	6.206	ug/L 100
16) Methylene chloride	2.54	84	124753	5.561	ug/L 97
17) Methyl tert-butyl Ether	2.82	73	302325	6.010	ug/L 99
18) trans-1,2-Dichloroethene	2.79	96	115897	5.672	ug/L 98
19) 1,1-Dichloroethane	3.23	63	235845	6.181	ug/L 99
21) 2-Butanone	4.06	43	334877	63.039	ug/L 99
22) cis-1,2-Dichloroethene	3.97	96	118466	5.401	ug/L 97

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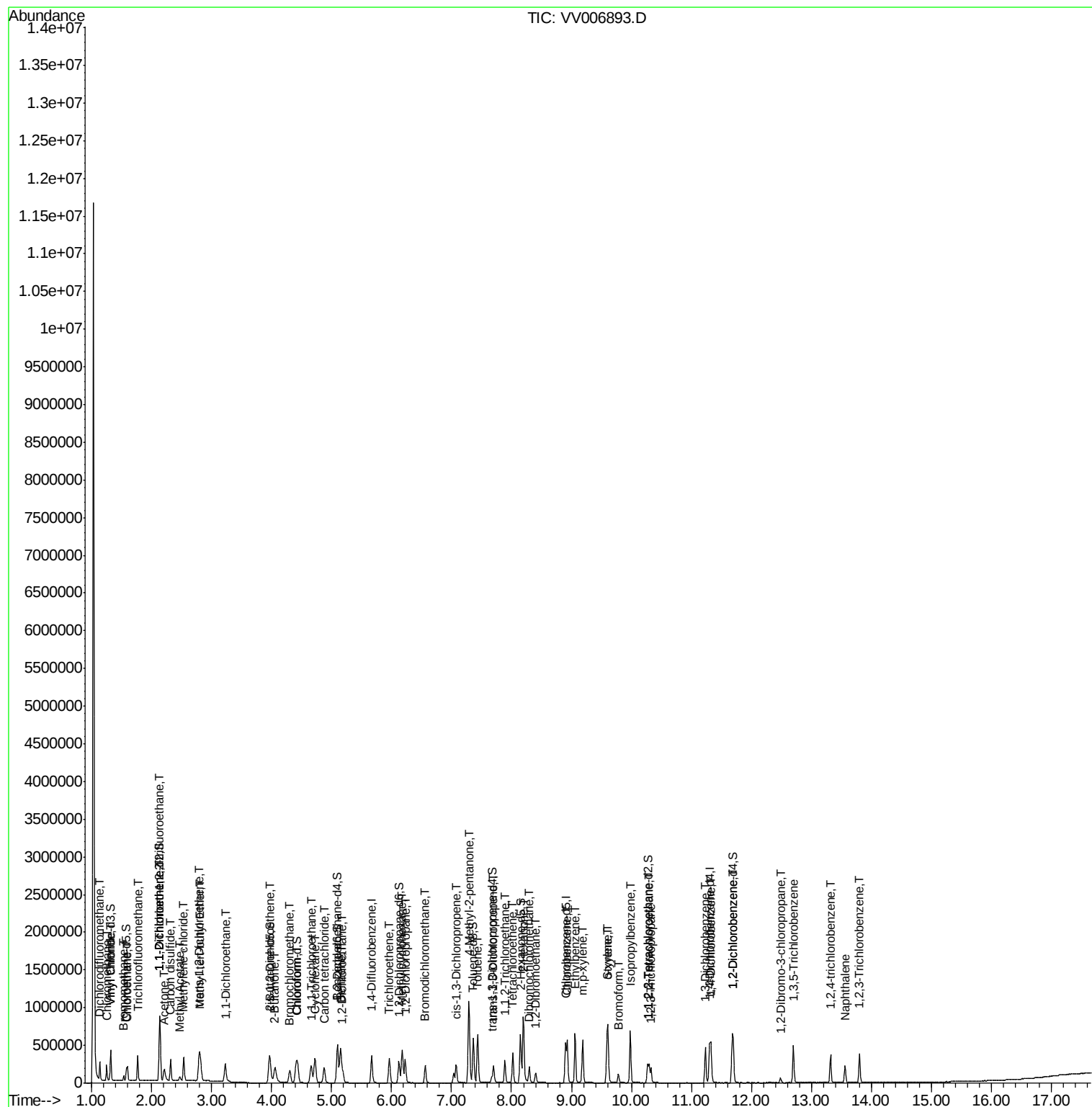
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	53494	5.607	ug/L	92
25) Chloroform	4.43	83	218975	5.902	ug/L	98
27) 1,2-Dichloroethane	5.19	62	136138	6.031	ug/L	98
29) 1,1,1-Trichloroethane	4.66	97	184010	5.488	ug/L	98
30) Cyclohexane	4.73	56	154520	4.450	ug/L	100
31) Carbon tetrachloride	4.88	117	152095	5.510	ug/L	99
33) Benzene	5.15	78	459955	5.176	ug/L	100
34) Trichloroethene	5.96	95	111213	4.917	ug/L	97
35) Methylcyclohexane	6.18	83	152764	4.254	ug/L	93
37) 1,2-Dichloropropane	6.23	63	127037	5.452	ug/L #	97
38) Bromodichloromethane	6.56	83	151191	5.700	ug/L	96
39) cis-1,3-Dichloropropene	7.08	75	147081	4.888	ug/L	98
40) 4-Methyl-2-pentanone	7.29	43	753603	58.437	ug/L	97
42) Toluene	7.44	91	462360	5.289	ug/L	98
44) trans-1,3-Dichloropropene	7.70	75	126708	5.115	ug/L	95
45) 1,1,2-Trichloroethane	7.89	97	91307	5.420	ug/L	95
47) Tetrachloroethene	8.02	164	89586	4.971	ug/L	96
48) 2-Hexanone	8.20	43	568343	64.952	ug/L	98
49) Dibromochloromethane	8.30	129	96570	5.671	ug/L	97
50) 1,2-Dibromoethane	8.40	107	79739	5.553	ug/L	96
51) Chlorobenzene	8.93	112	287118	5.102	ug/L	98
52) Ethylbenzene	9.06	91	431192	4.722	ug/L	99
53) m,p-xylene	9.19	106	161663	4.769	ug/L	95
54) o-xylene	9.59	106	154643	4.521	ug/L	99
55) Styrene	9.61	104	263607	4.904	ug/L	99
56) Isopropylbenzene	9.98	105	409914	4.710	ug/L	98
58) 1,1,1,2,2-Tetrachloroethane	10.29	83	116647	5.721	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	83748	5.845	ug/L	97
61) Bromoform	9.78	173	51081	5.771	ug/L	99
62) 1,3-Dichlorobenzene	11.23	146	198607	4.834	ug/L	100
63) 1,4-Dichlorobenzene	11.32	146	204887	5.041	ug/L	100
65) 1,2-Dichlorobenzene	11.70	146	204612	5.075	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.48	75	16271	5.804	ug/L	94
67) 1,3,5-Trichlorobenzene	12.70	180	153077	4.844	ug/L	99
68) 1,2,4-trichlorobenzene	13.32	180	114623	4.669	ug/L	99
69) Naphthalene	13.56	128	184410	4.310	ug/L	99
70) 1,2,3-Trichlorobenzene	13.80	180	117402	4.955	ug/L	96

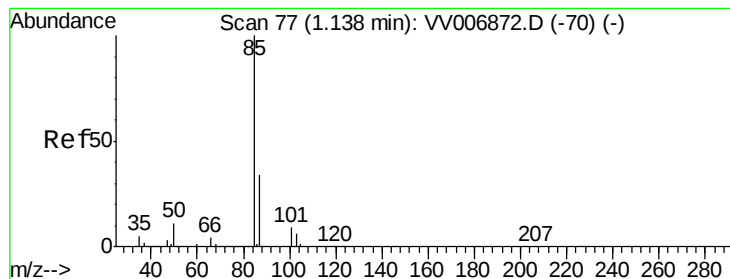
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 5.646 ug/L

RT: 1.14 min Scan# 77

Delta R.T. -0.00 min

Lab File: VV006893.D

Acq: 04 Aug 2018 20:32

Instrument :

MSVOA_V

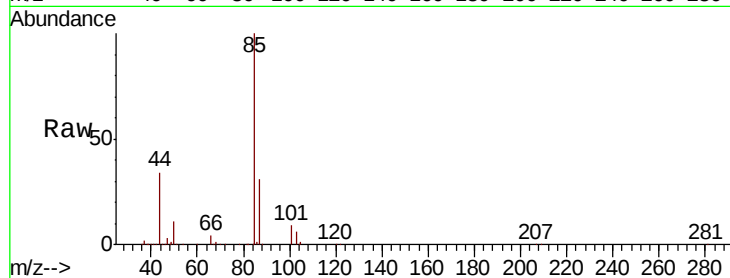
ClientSampleId :

Tot Ion: 85 Resp: 132314

Ion Ratio Lower Upper

85 100

87 31.3 25.4 38.0



Abundance Ion 85.00 (84.70 to 85.70): VV006872.D (-70) (-)

Ion 87.00 (86.70 to 87.70): VV006872.D (-70) (-)

1.14

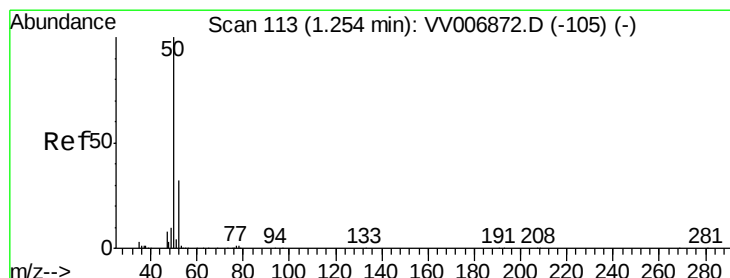
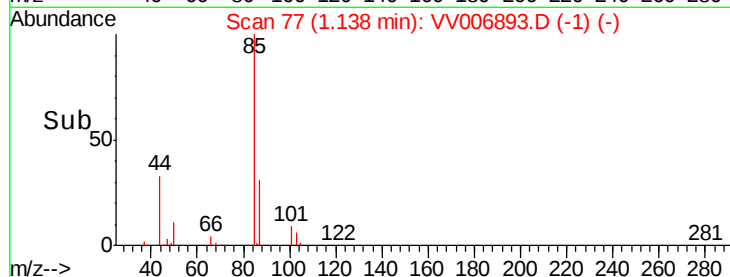
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 3.945 ug/L

RT: 1.25 min Scan# 112

Delta R.T. -0.00 min

Lab File: VV006893.D

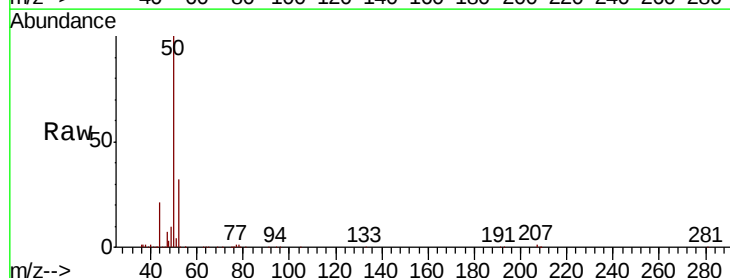
Acq: 04 Aug 2018 20:32

Tgt Ion: 50 Resp: 133672

Ion Ratio Lower Upper

50 100

52 32.0 23.3 43.3



Abundance Ion 50.05 (49.75 to 50.75): VV006872.D (-105) (-)

Ion 52.05 (51.75 to 52.75): VV006872.D (-105) (-)

1.25

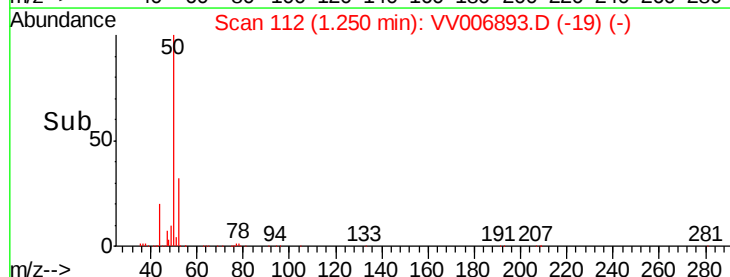
150000

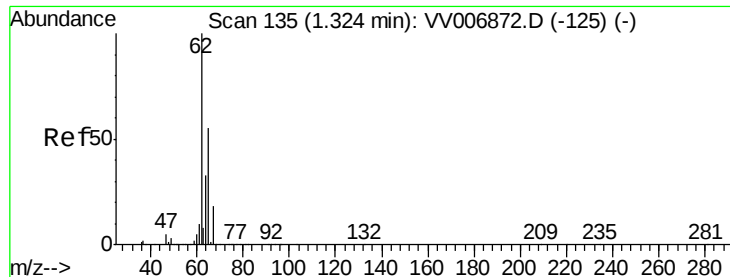
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 5.810 ug/L

RT: 1.32 min Scan# 134

Delta R.T. -0.00 min

Lab File: VV006893.D

Acq: 04 Aug 2018 20:32

Instrument :

MSVOA_V

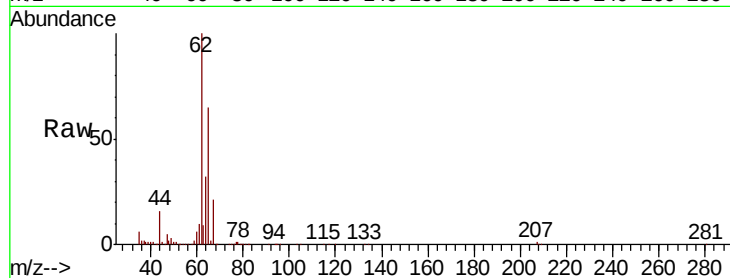
ClientSampleId :

Tot Ion: 62 Resp: 152947

Ion Ratio Lower Upper

62 100

64 32.0 23.7 43.9



Abundance Ion 62.00 (61.70 to 62.70): VV006872.D (-125) (-)

Ion 64.10 (63.80 to 64.80): VV006893.D (-41) (-)

1.32

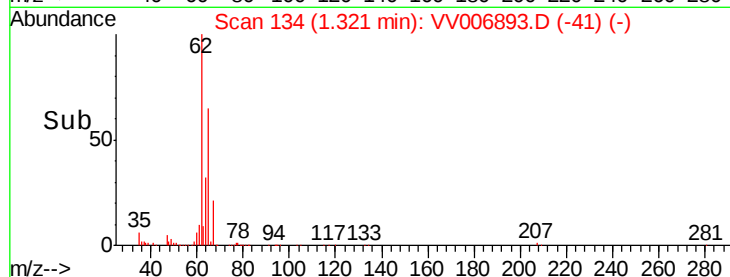
150000

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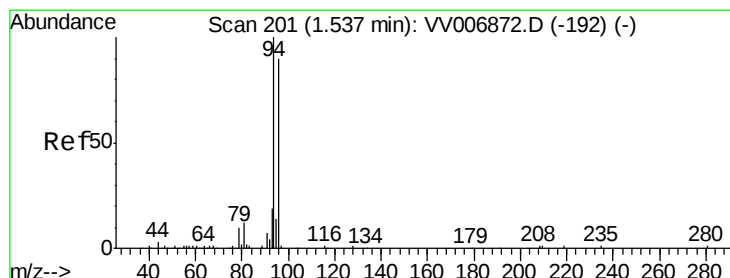
50000

0

Time-->



Time-->



#6

Bromomethane

Concen: 3.866 ug/L

RT: 1.54 min Scan# 201

Delta R.T. 0.00 min

Lab File: VV006893.D

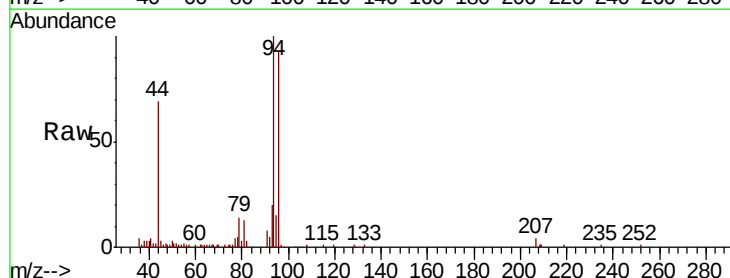
Acq: 04 Aug 2018 20:32

Tgt Ion: 94 Resp: 25379

Ion Ratio Lower Upper

94 100

96 92.7 66.2 123.0



Abundance Ion 94.00 (93.70 to 94.70): VV006872.D (-192) (-)

Ion 96.00 (95.70 to 96.70): VV006893.D (-107) (-)

1.54

25000

20000

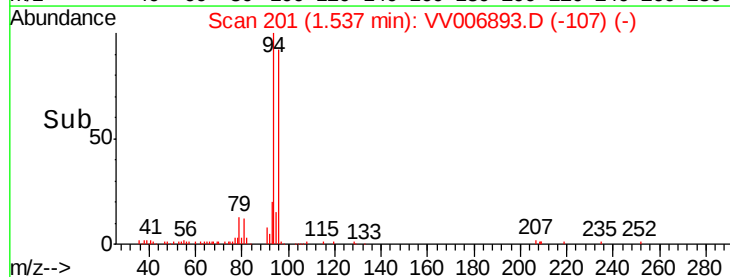
15000

10000

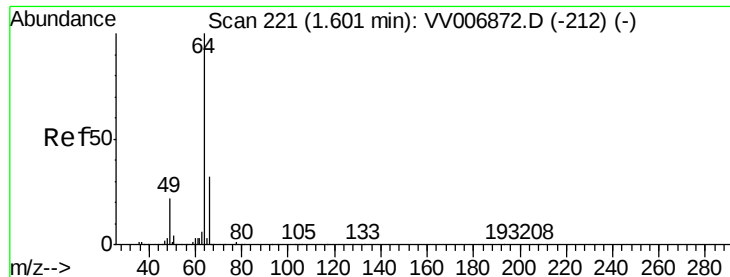
5000

0

Time-->



Time-->



#8

Chloroethane

Concen: 5.573 ug/L

RT: 1.60 min Scan# 221

Delta R.T. 0.00 min

Lab File: VV006893.D

Acq: 04 Aug 2018 20:32

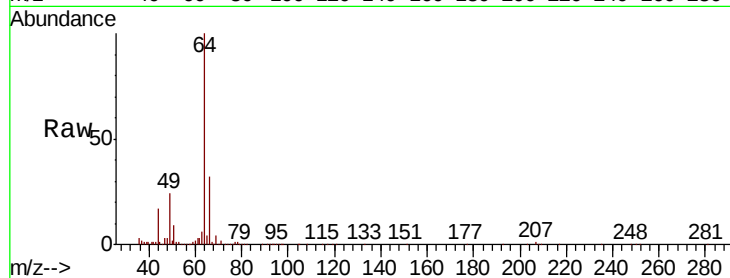
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 64 Resp: 98591

Ion Ratio Lower Upper

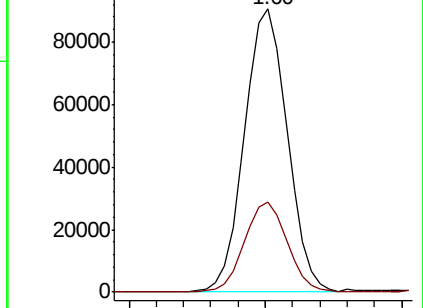
64 100

66 31.9 23.0 42.6

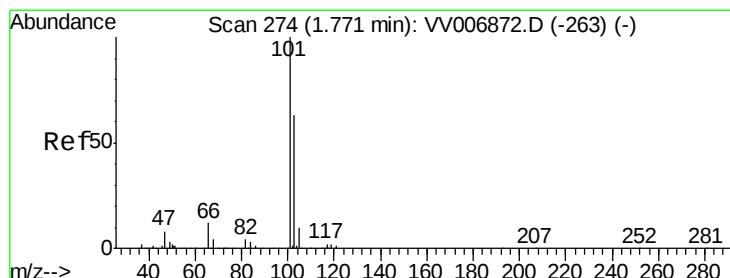
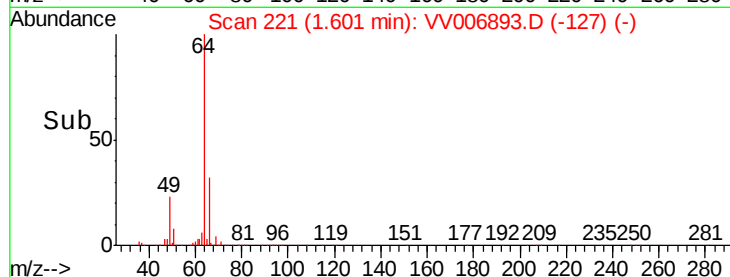


Abundance Ion 64.10 (63.80 to 64.80): VV006893.D (-127) (-)

Ion 66.05 (65.75 to 66.75): VV006893.D (-127) (-)



Time--> 1.55 1.60



#9

Trichlorofluoromethane

Concen: 5.813 ug/L

RT: 1.77 min Scan# 274

Delta R.T. 0.00 min

Lab File: VV006893.D

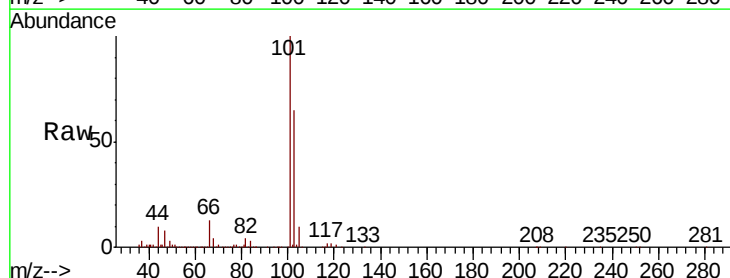
Acq: 04 Aug 2018 20:32

Tgt Ion: 101 Resp: 187106

Ion Ratio Lower Upper

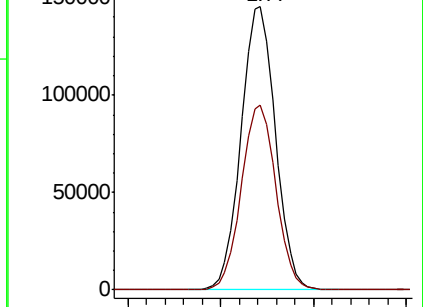
101 100

103 65.6 51.1 76.7

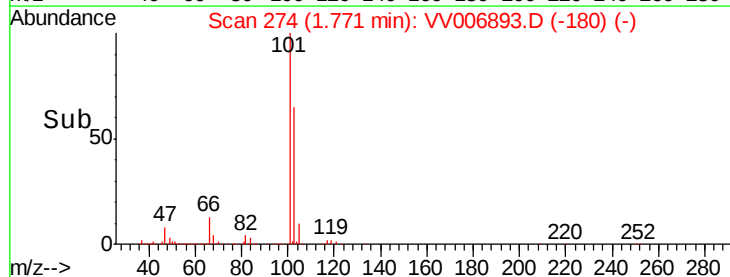


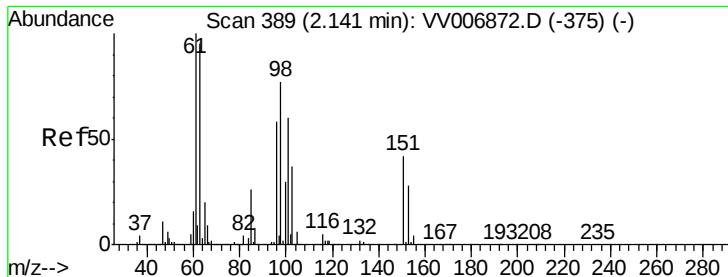
Abundance Ion 101.00 (100.70 to 101.70): VV006893.D (-180) (-)

Ion 103.00 (102.70 to 103.70): VV006893.D (-180) (-)



Time--> 1.70 1.75 1.80





#10

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

Concen: 5.688 ug/L

RT: 2.14 min Scan# 389

Delta R.T. 0.00 min

Lab File: VV006893.D

Acq: 04 Aug 2018 20:32

Instrument :

MSVOA_V

ClientSampleId :

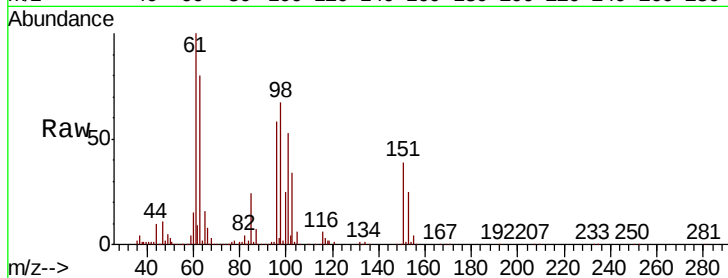
Tot Ion:101 Resp: 115155

Ion Ratio Lower Upper

101 100

85 43.2 33.3 49.9

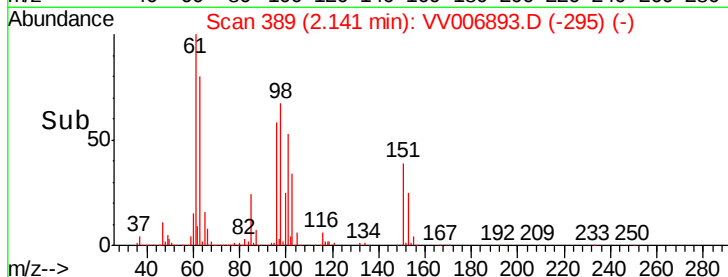
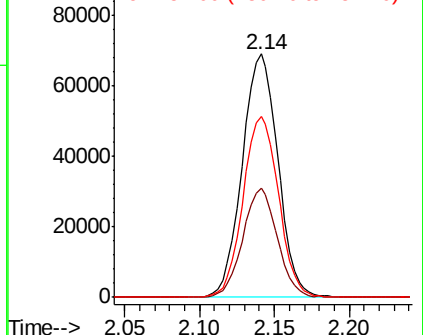
151 73.9 59.4 89.2



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: 5.672 ug/L

RT: 2.14 min Scan# 389

Delta R.T. -0.00 min

Lab File: VV006893.D

Acq: 04 Aug 2018 20:32

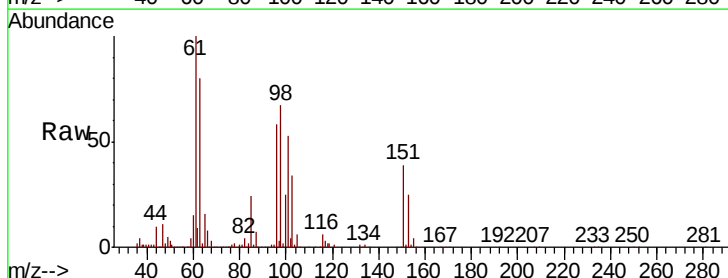
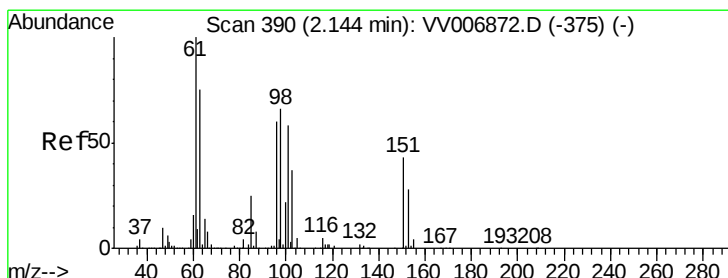
Tgt Ion: 96 Resp: 106371

Ion Ratio Lower Upper

96 100

61 173.1 115.3 214.1

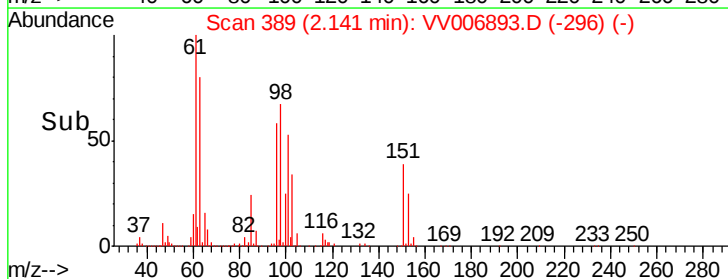
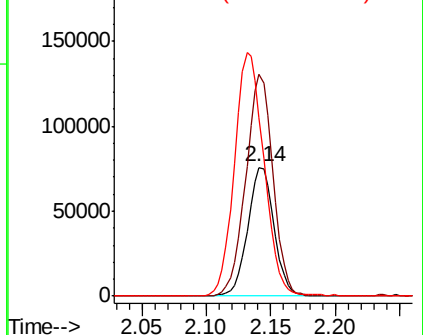
63 139.2 81.9 152.1

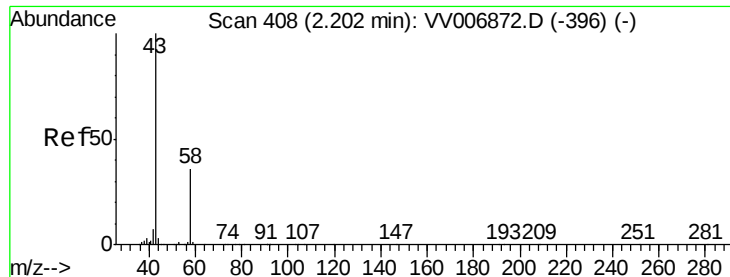


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 63.495 ug/L

RT: 2.21 min Scan# 411

Delta R.T. 0.01 min

Lab File: VV006893.D

Acq: 04 Aug 2018 20:32

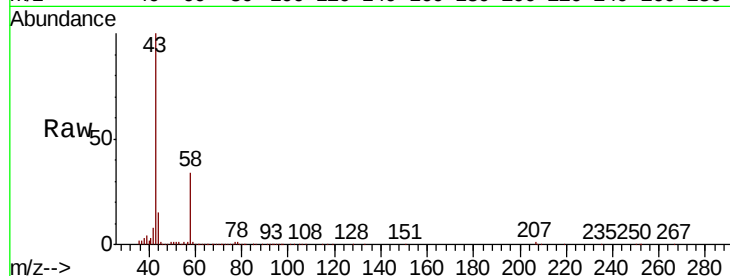
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 220719

Ion Ratio Lower Upper

43 100

58 34.1 0.0 69.0



Abundance Ion 43.05 (42.75 to 43.75): VV006872.D (-396) (-)

Ion 58.05 (57.75 to 58.75): VV006872.D (-396) (-)

2.21

100000

80000

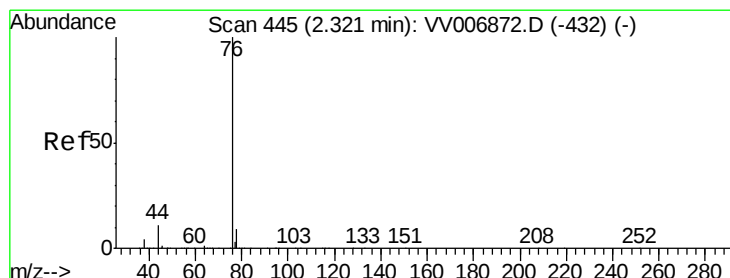
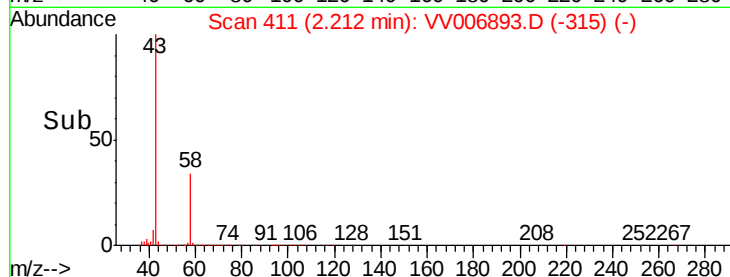
60000

40000

20000

0

Time--> 2.10 2.20 2.30



#14

Carbon disulfide

Concen: 5.675 ug/L

RT: 2.32 min Scan# 444

Delta R.T. -0.00 min

Lab File: VV006893.D

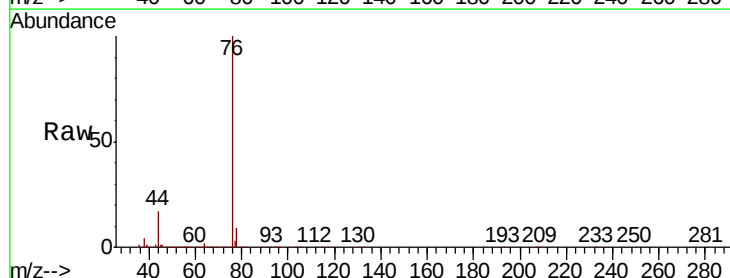
Acq: 04 Aug 2018 20:32

Tgt Ion: 76 Resp: 315735

Ion Ratio Lower Upper

76 100

78 9.3 8.7 13.1



Abundance Ion 76.05 (75.75 to 76.75): VV006872.D (-432) (-)

Ion 78.00 (77.70 to 78.70): VV006872.D (-432) (-)

2.32

250000

200000

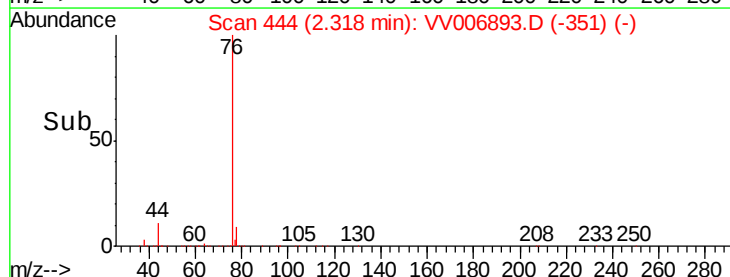
150000

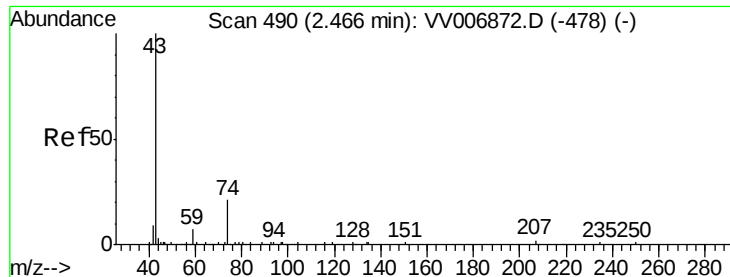
100000

50000

0

Time--> 2.25 2.30 2.35 2.40 2.45

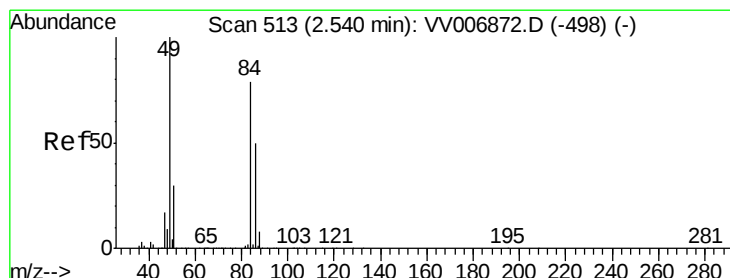
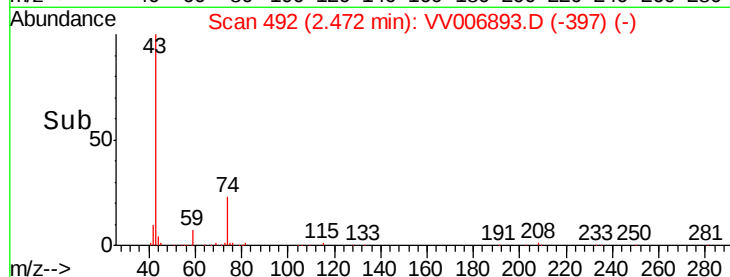
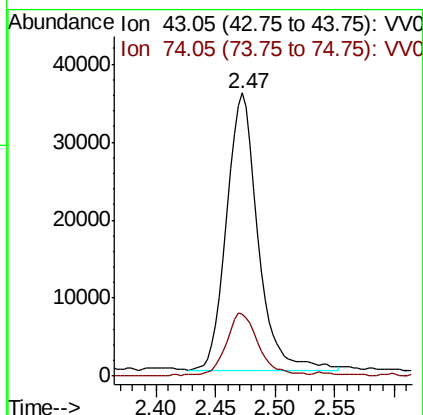
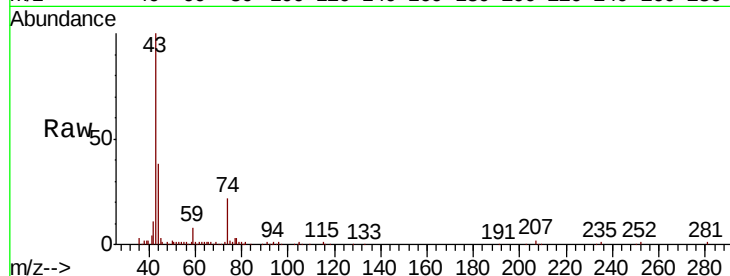




#15
Methvl Acetate
Concen: 6.206 ug/L
RT: 2.47 min Scan# 492
Delta R.T. 0.01 min
Lab File: VV006893.D
Acq: 04 Aug 2018 20:32

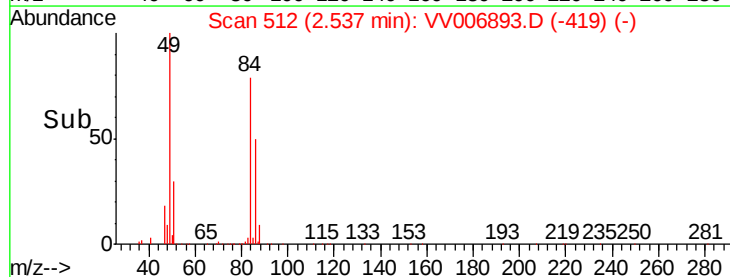
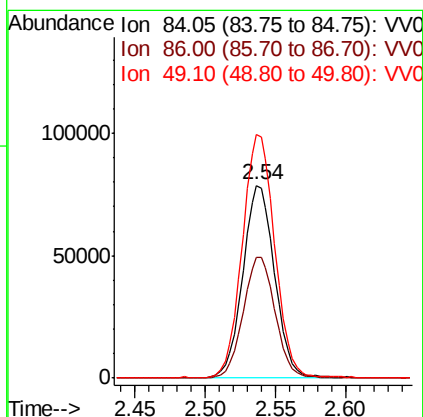
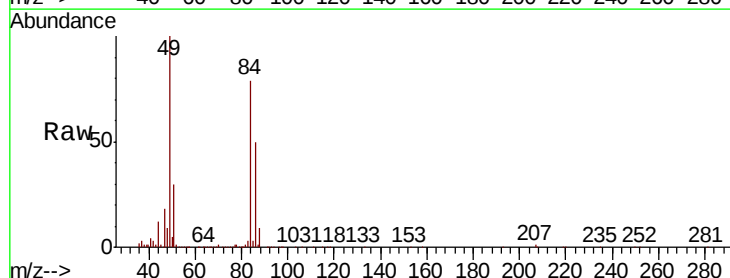
Instrument :
MSVOA_V
ClientSampleId :

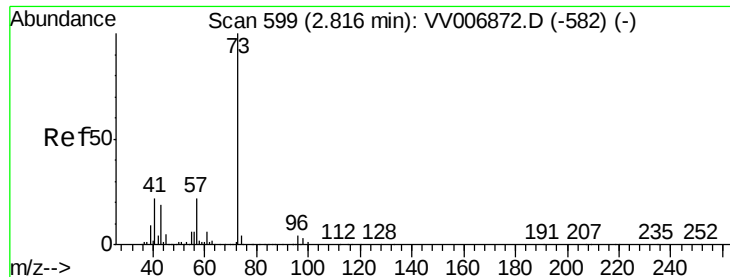
Tot Ion: 43 Resp: 64927
Ion Ratio Lower Upper
43 100
74 22.8 18.3 27.5



#16
Methylene chloride
Concen: 5.561 ug/L
RT: 2.54 min Scan# 512
Delta R.T. -0.00 min
Lab File: VV006893.D
Acq: 04 Aug 2018 20:32

Tgt Ion: 84 Resp: 124753
Ion Ratio Lower Upper
84 100
86 62.7 43.8 81.3
49 126.5 85.3 158.5



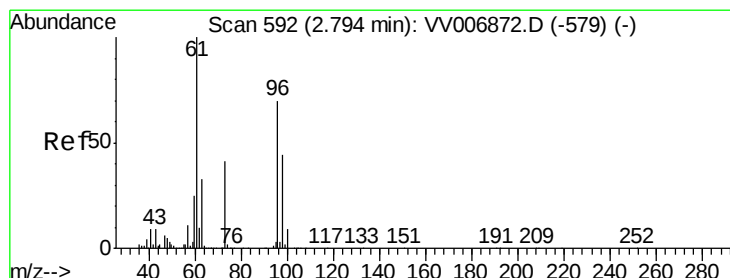
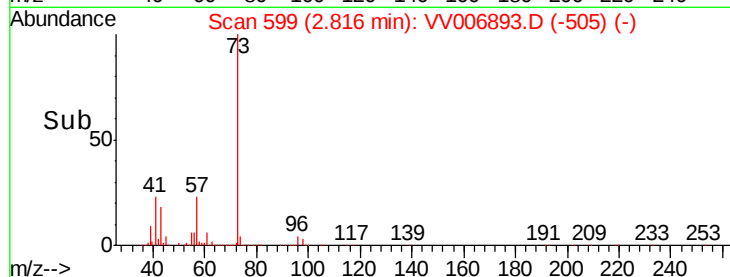
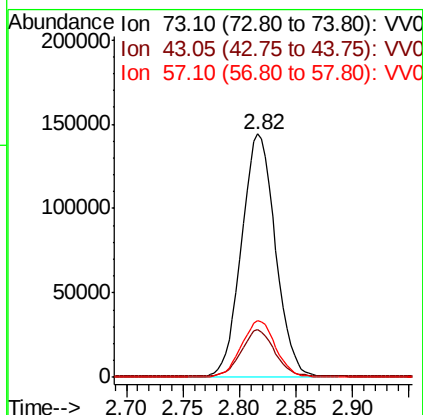
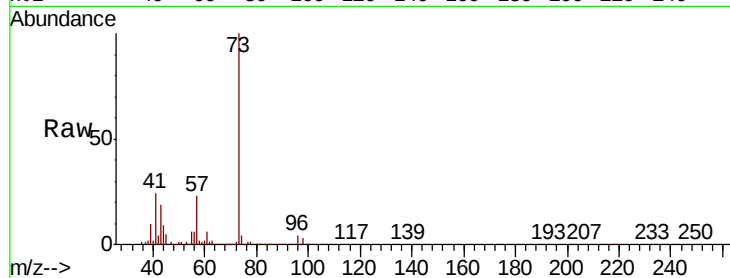


#17

Methvl tert-butvl Ether
 Concen: 6.010 ug/L
 RT: 2.82 min Scan# 599
 Delta R.T. 0.00 min
 Lab File: VV006893.D
 Acq: 04 Aug 2018 20:32

Instrument :
 MSVOA_V
 ClientSampleId :

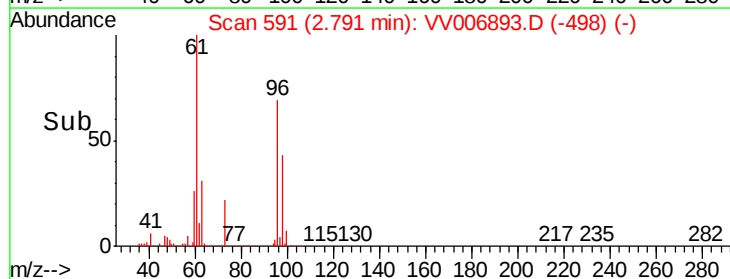
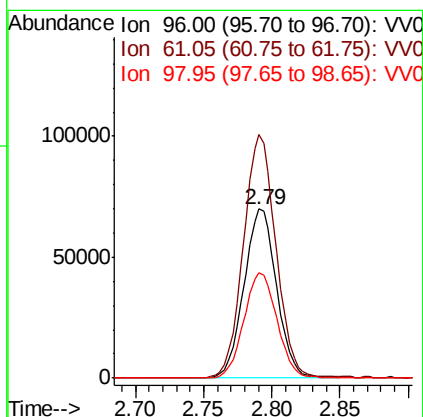
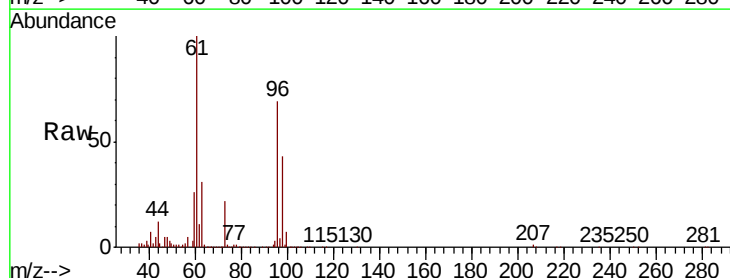
Tot Ion:	73	Resp:	302325
Ion	Ratio	Lower	Upper
73	100		
43	18.5	14.6	22.0
57	23.3	18.0	27.0

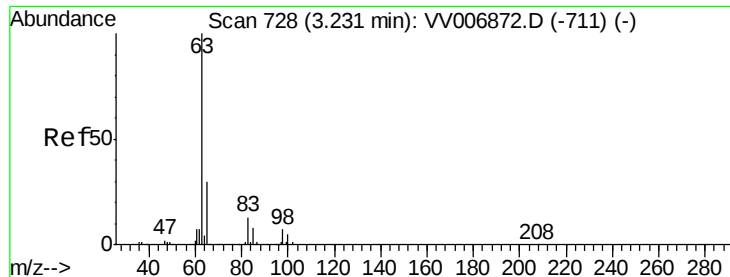


#18

trans-1,2-Dichloroethene
 Concen: 5.672 ug/L
 RT: 2.79 min Scan# 591
 Delta R.T. -0.00 min
 Lab File: VV006893.D
 Acq: 04 Aug 2018 20:32

Tgt Ion:	96	Resp:	115897
Ion	Ratio	Lower	Upper
96	100		
61	144.2	99.0	183.8
98	62.4	42.8	79.4





#19

1,1-Dichloroethane

Concen: 6.181 ug/L

RT: 3.23 min Scan# 728

Delta R.T. 0.00 min

Lab File: VV006893.D

Acq: 04 Aug 2018 20:32

Instrument :

MSVOA_V

ClientSampleId :

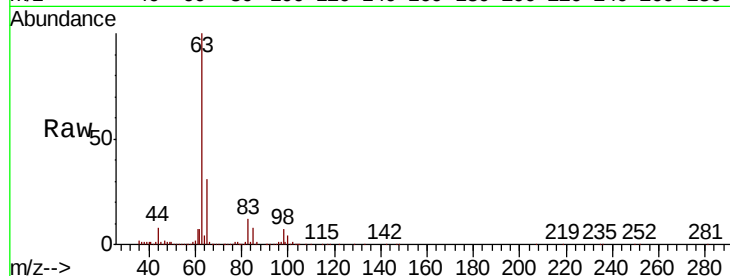
Tot Ion: 63 Resp: 235845

Ion Ratio Lower Upper

63 100

65 31.1 22.2 41.2

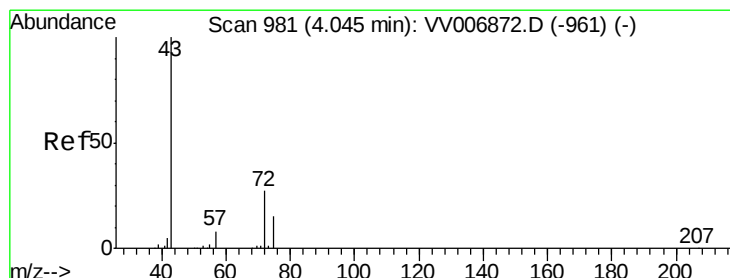
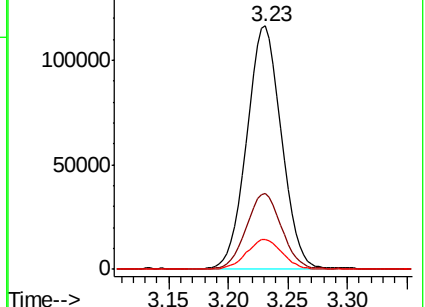
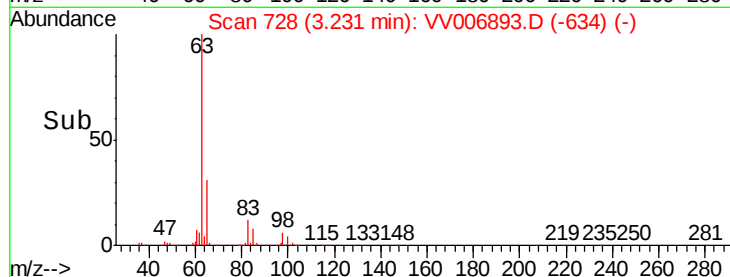
83 12.2 9.0 16.6



Abundance Ion 63.10 (62.80 to 63.80): VV006893.D (-634) (-)

Ion 65.10 (64.80 to 65.80): VV006893.D (-634) (-)

Ion 83.05 (82.75 to 83.75): VV006893.D (-634) (-)



#21

2-Butanone

Concen: 63.039 ug/L

RT: 4.06 min Scan# 985

Delta R.T. 0.01 min

Lab File: VV006893.D

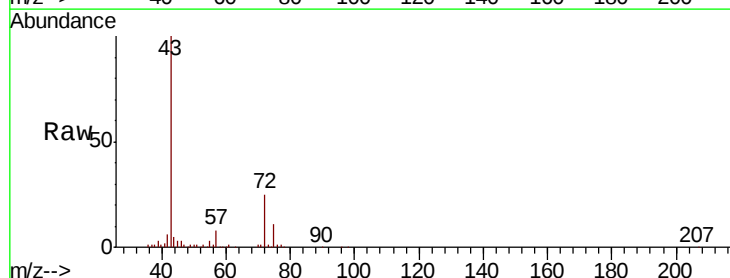
Acq: 04 Aug 2018 20:32

Tgt Ion: 43 Resp: 334877

Ion Ratio Lower Upper

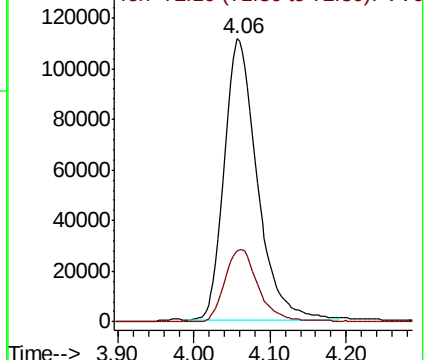
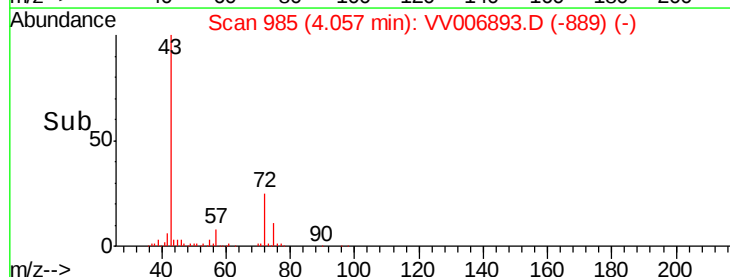
43 100

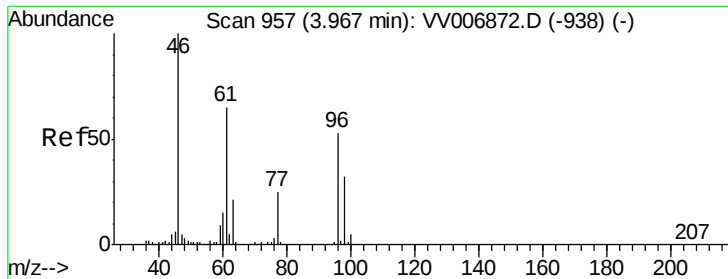
72 26.2 13.4 40.1



Abundance Ion 43.05 (42.75 to 43.75): VV006893.D (-889) (-)

Ion 72.10 (71.80 to 72.80): VV006893.D (-889) (-)



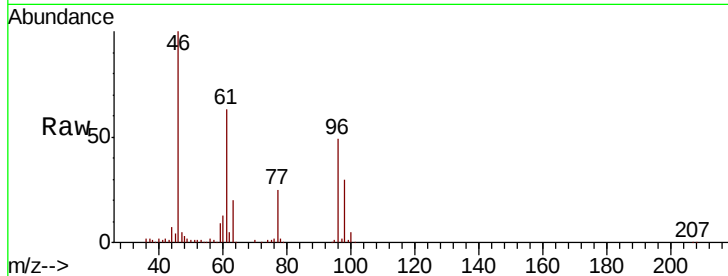


#22

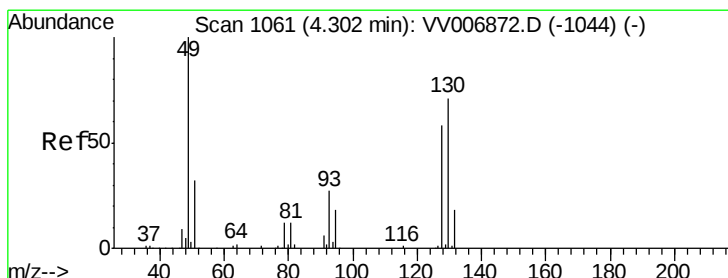
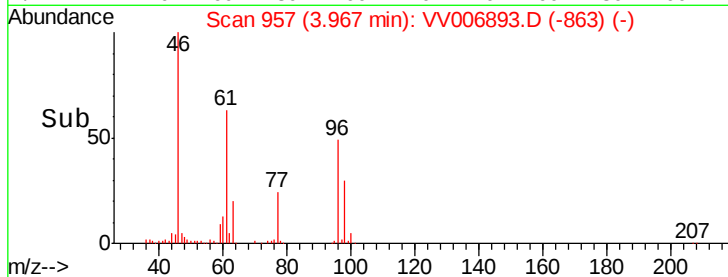
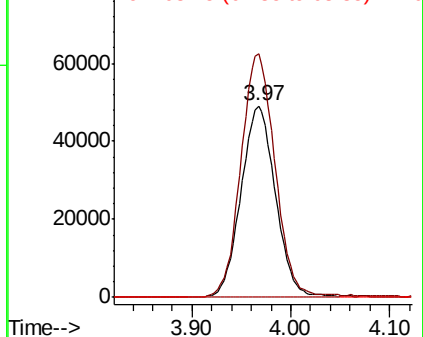
cis-1,2-Dichloroethene
Concen: 5.401 ug/L
RT: 3.97 min Scan# 957
Delta R.T. 0.00 min
Lab File: VV006893.D
Acq: 04 Aug 2018 20:32

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 96 Resp: 118466
Ion Ratio Lower Upper
96 100
61 127.3 86.6 160.8
68 0.0 0.0 0.0



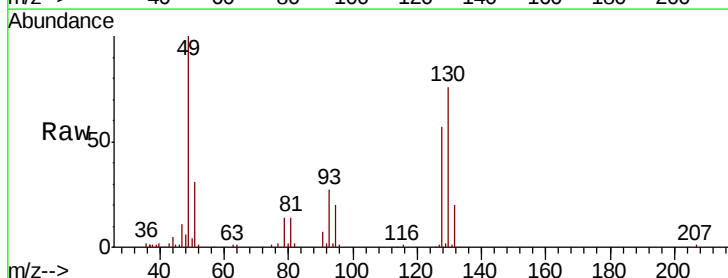
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 68.15 (67.85 to 68.85): VV0



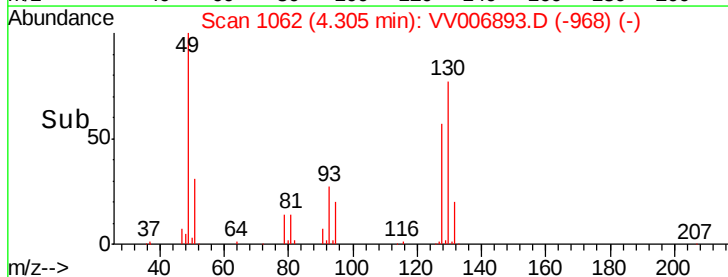
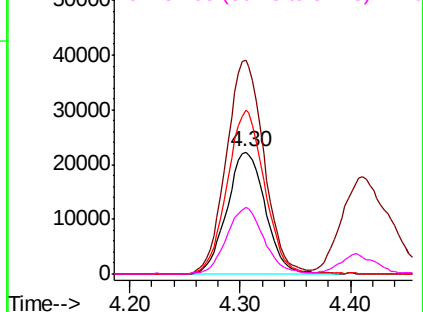
#23

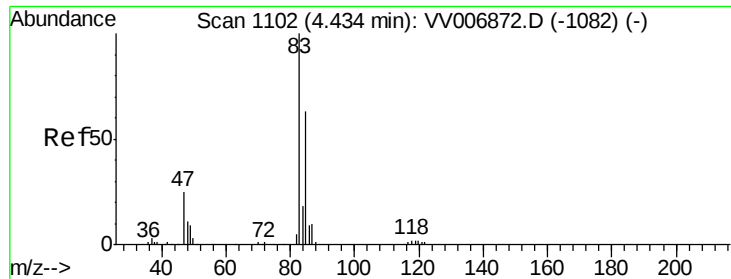
Bromochloromethane
Concen: 5.607 ug/L
RT: 4.30 min Scan# 1062
Delta R.T. 0.00 min
Lab File: VV006893.D
Acq: 04 Aug 2018 20:32

Tgt Ion: 128 Resp: 53494
Ion Ratio Lower Upper
128 100
49 175.5 113.3 210.5
130 134.2 87.1 161.7
51 55.0 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: 5.902 ug/L

RT: 4.43 min Scan# 1102

Delta R.T. 0.00 min

Lab File: VV006893.D

Acq: 04 Aug 2018 20:32

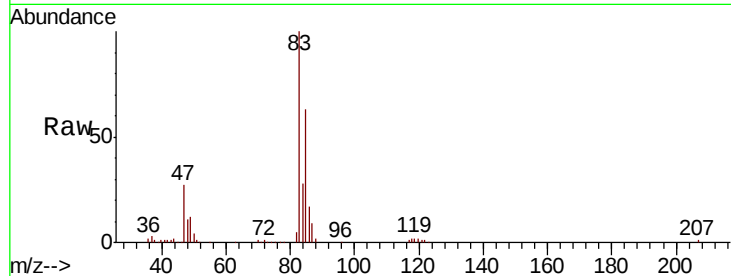
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 83 Resp: 218975

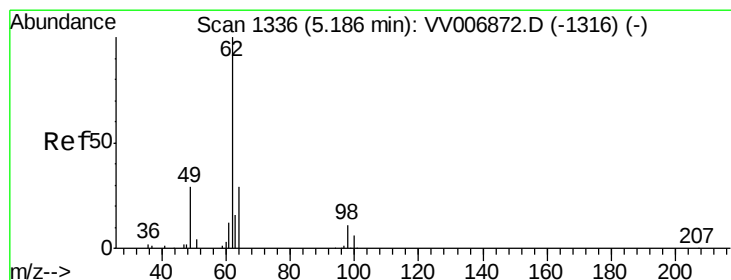
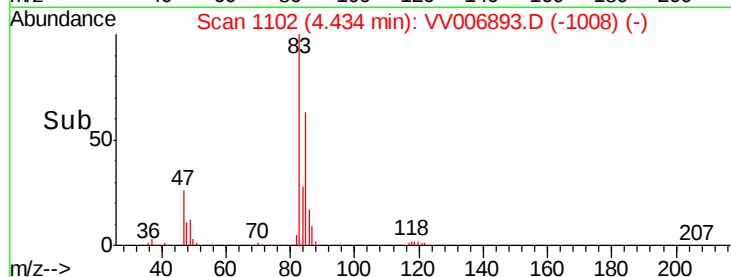
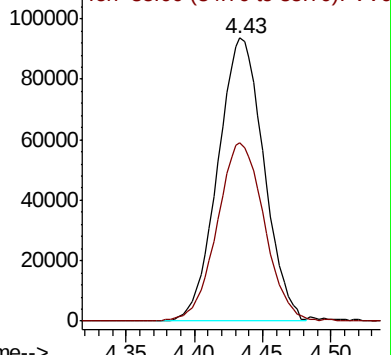
Ion Ratio Lower Upper

83 100

85 63.2 45.4 84.2



Abundance Ion 83.05 (82.75 to 83.75): VV006872.D (-1082) (-)



#27

1,2-Dichloroethane

Concen: 6.031 ug/L

RT: 5.19 min Scan# 1337

Delta R.T. 0.00 min

Lab File: VV006893.D

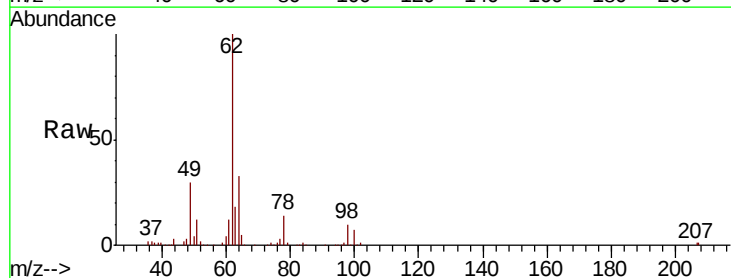
Acq: 04 Aug 2018 20:32

Tgt Ion: 62 Resp: 136138

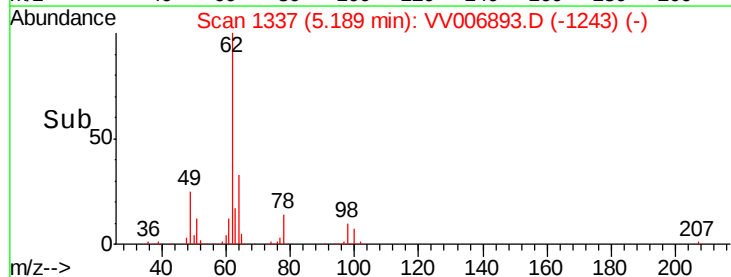
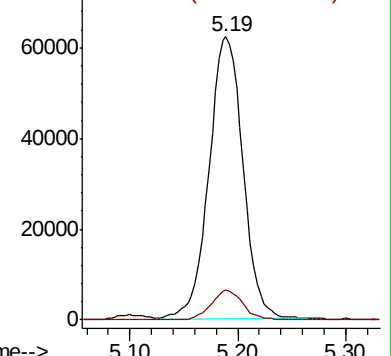
Ion Ratio Lower Upper

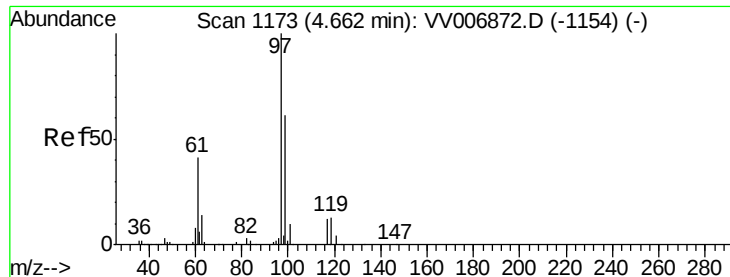
62 100

98 10.4 8.8 13.2



Abundance Ion 62.00 (61.70 to 62.70): VV006872.D (-1316) (-)

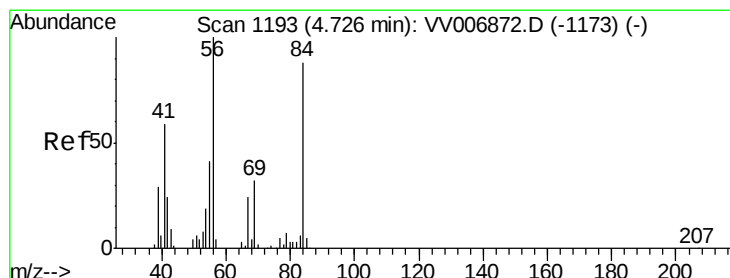
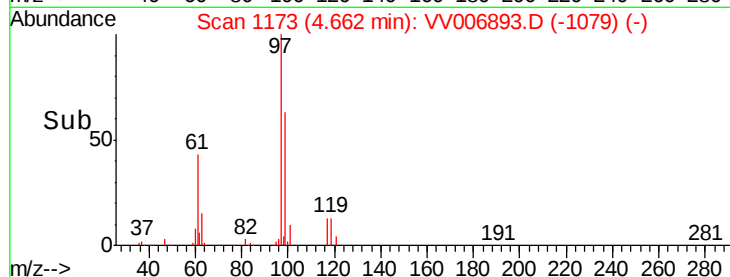
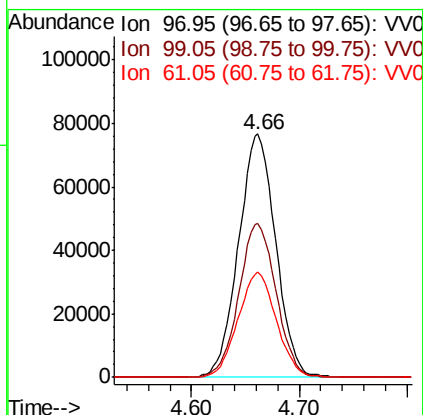
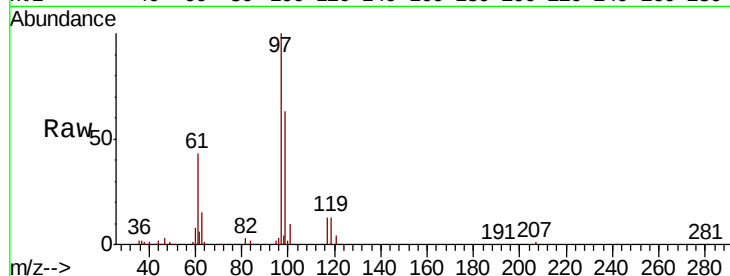




#29
 1,1,1-Trichloroethane
 Concen: 5.488 ug/L
 RT: 4.66 min Scan# 1173
 Delta R.T. 0.00 min
 Lab File: VV006893.D
 Acq: 04 Aug 2018 20:32

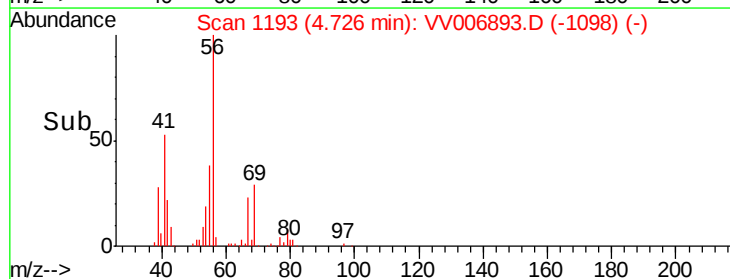
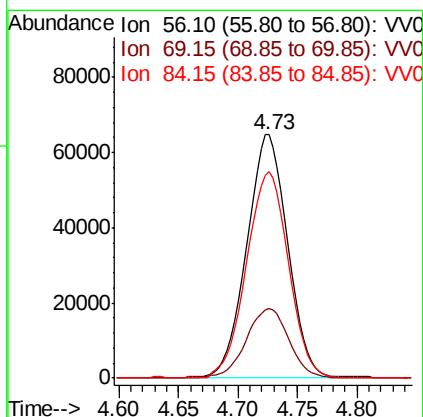
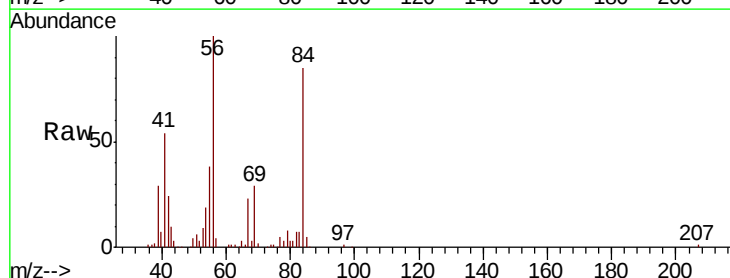
Instrument :
 MSVOA_V
 ClientSampled :

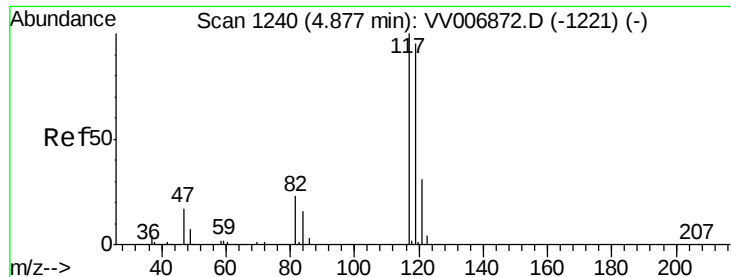
Tot Ion: 97 Resp: 184010
 Ion Ratio Lower Upper
 97 100
 99 63.5 51.8 77.8
 61 44.3 34.8 52.2



#30
 Cyclohexane
 Concen: 4.450 ug/L
 RT: 4.73 min Scan# 1193
 Delta R.T. 0.01 min
 Lab File: VV006893.D
 Acq: 04 Aug 2018 20:32

Tgt Ion: 56 Resp: 154520
 Ion Ratio Lower Upper
 56 100
 69 30.0 24.4 36.6
 84 86.9 69.4 104.2





#31

Carbon tetrachloride

Concen: 5.510 ug/L

RT: 4.88 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VV006893.D

Acq: 04 Aug 2018 20:32

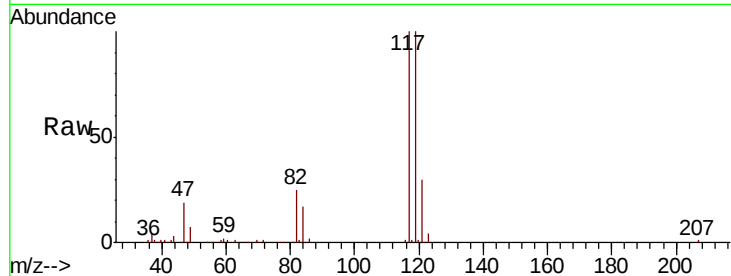
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:117 Resp: 152095

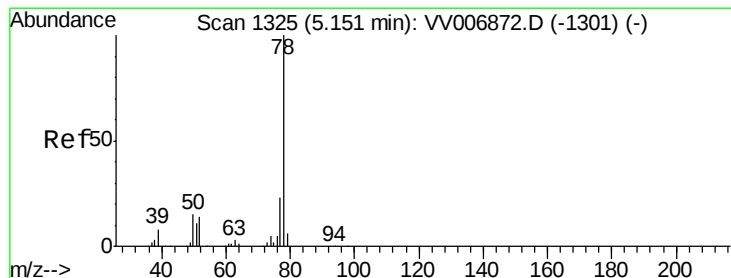
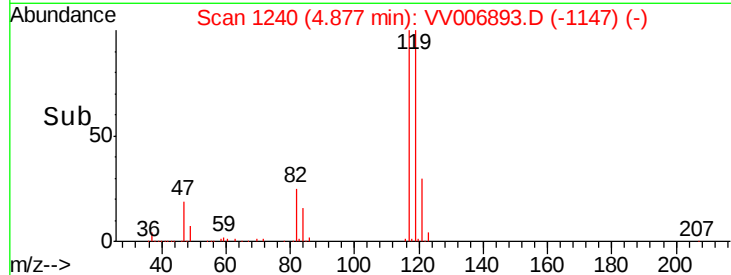
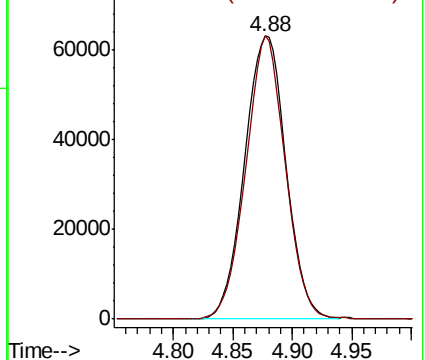
Ion Ratio Lower Upper

117 100

119 95.2 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: 5.176 ug/L

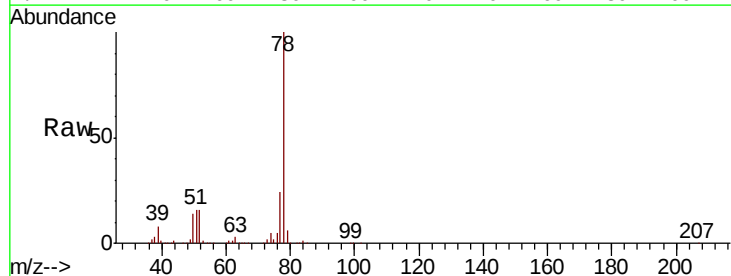
RT: 5.15 min Scan# 1325

Delta R.T. -0.00 min

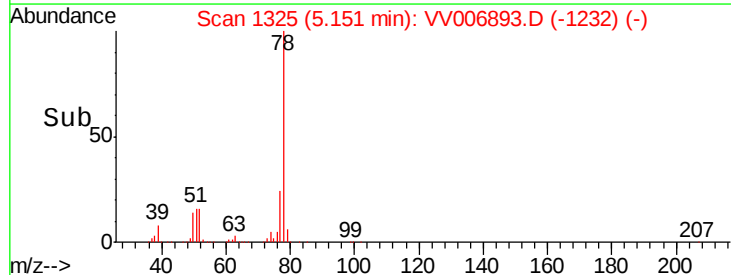
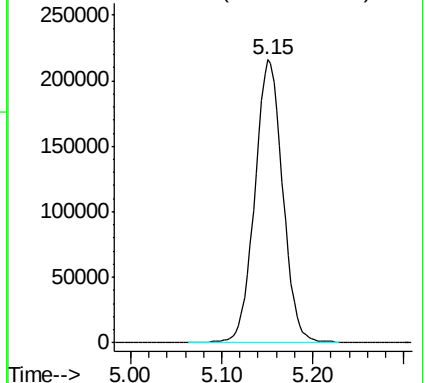
Lab File: VV006893.D

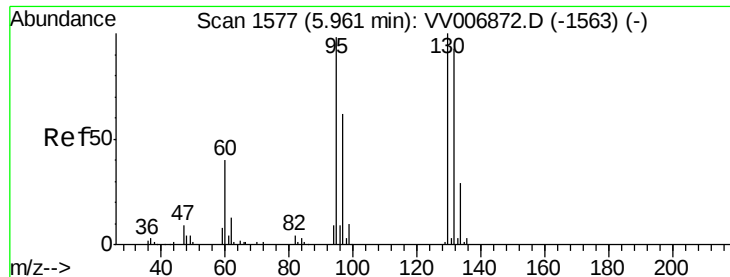
Acq: 04 Aug 2018 20:32

Tgt Ion: 78 Resp: 459955



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 4.917 ug/L

RT: 5.96 min Scan# 1578

Delta R.T. 0.00 min

Lab File: VV006893.D

Acq: 04 Aug 2018 20:32

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion: 95 Resp: 111213

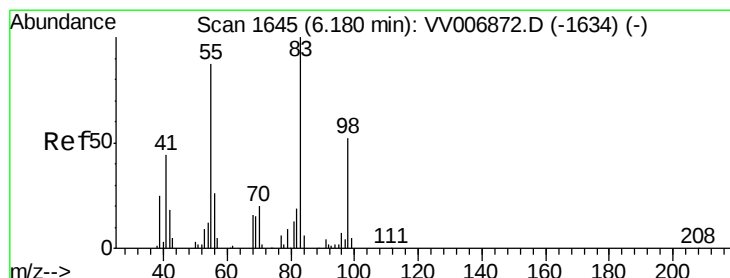
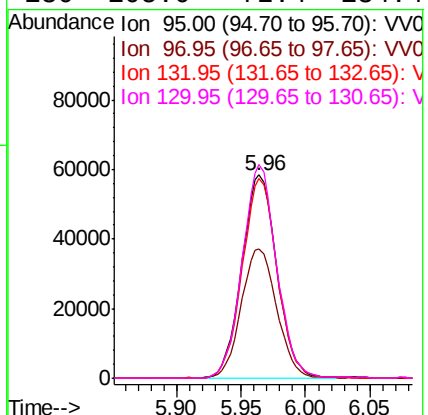
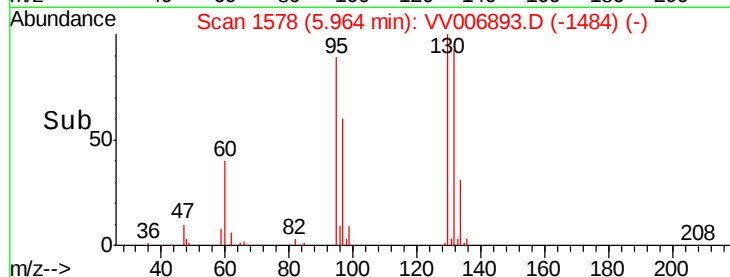
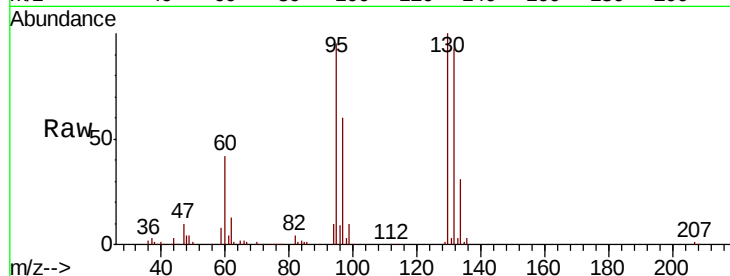
Ion Ratio Lower Upper

95 100

97 63.4 46.3 86.1

132 98.0 72.0 133.6

130 105.0 72.4 134.4



#35

Methylcyclohexane

Concen: 4.254 ug/L

RT: 6.18 min Scan# 1645

Delta R.T. 0.00 min

Lab File: VV006893.D

Acq: 04 Aug 2018 20:32

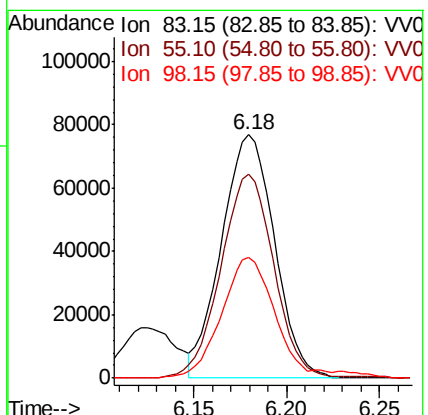
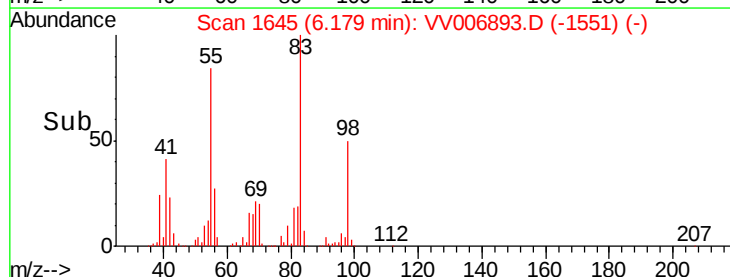
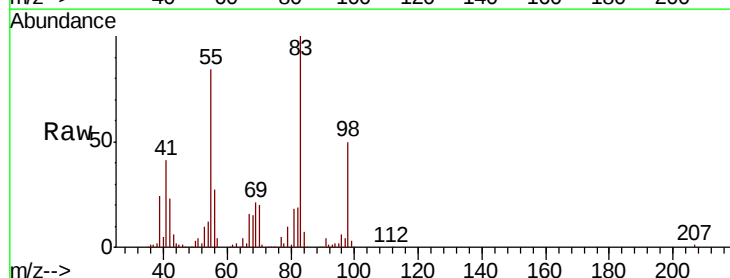
Tgt Ion: 83 Resp: 152764

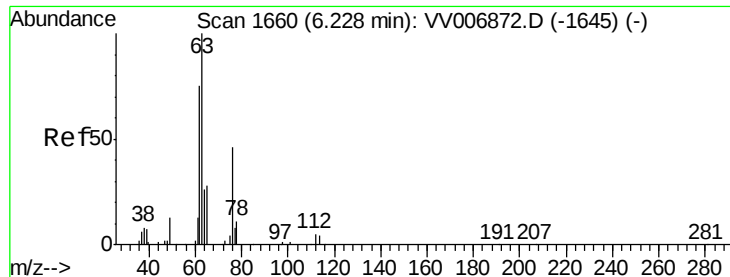
Ion Ratio Lower Upper

83 100

55 83.9 61.8 92.6

98 50.2 37.2 55.8





#37

1,2-Dichloropropane

Concen: 5.452 ug/L

RT: 6.23 min Scan# 1660

Delta R.T. 0.00 min

Lab File: VV006893.D

Acq: 04 Aug 2018 20:32

Instrument :

MSVOA_V

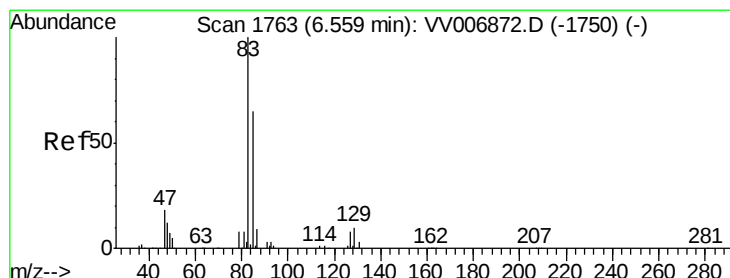
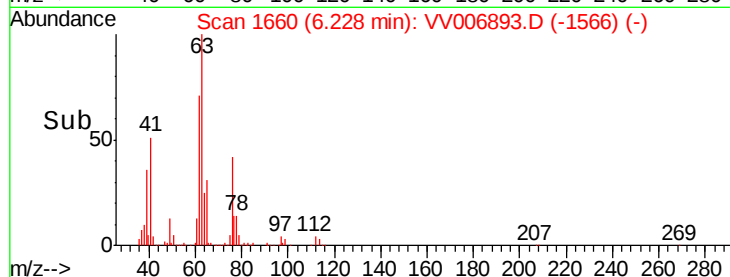
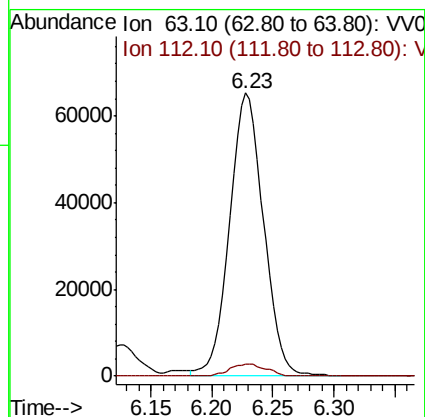
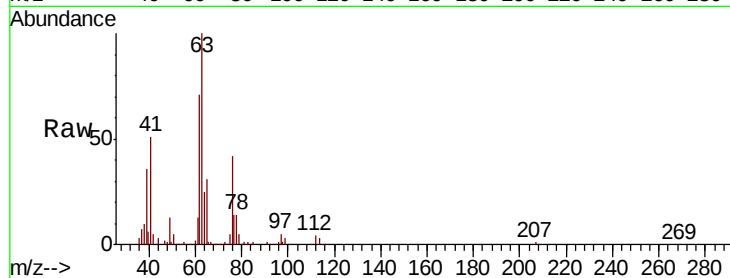
ClientSampleId :

Tot Ion: 63 Resp: 127037

Ion Ratio Lower Upper

63 100

112 4.7 3.0 4.6#



#38

Bromodichloromethane

Concen: 5.700 ug/L

RT: 6.56 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VV006893.D

Acq: 04 Aug 2018 20:32

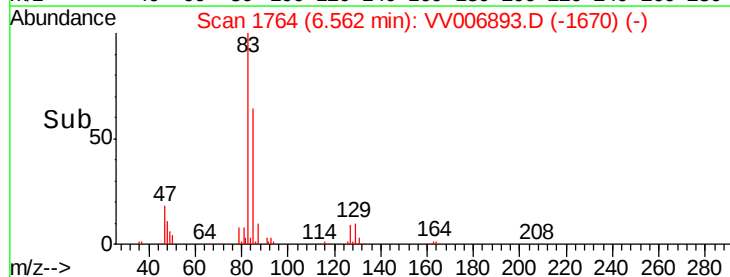
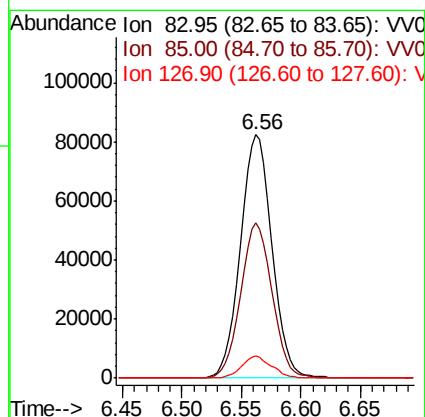
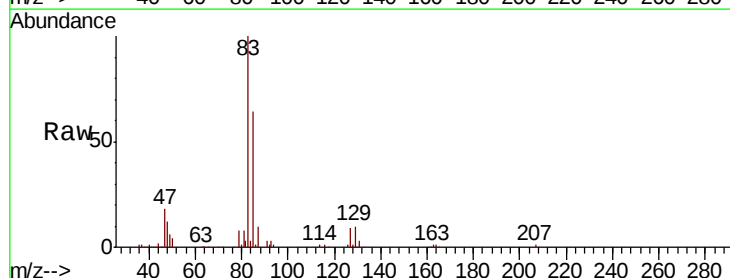
Tgt Ion: 83 Resp: 151191

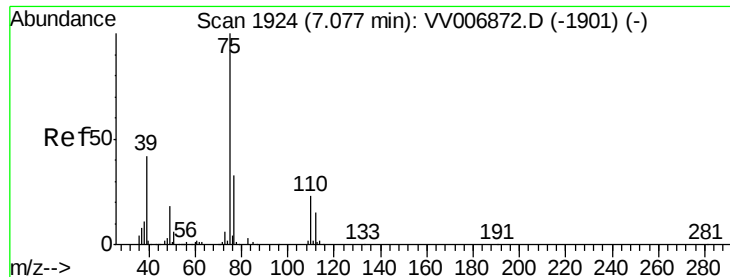
Ion Ratio Lower Upper

83 100

85 63.6 46.7 86.7

127 8.9 6.4 9.6



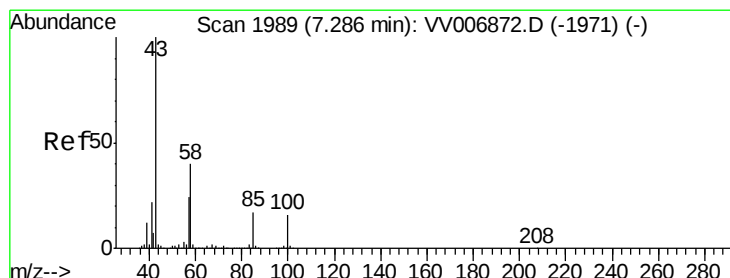
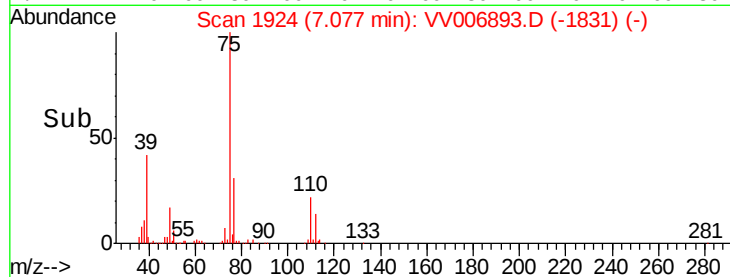
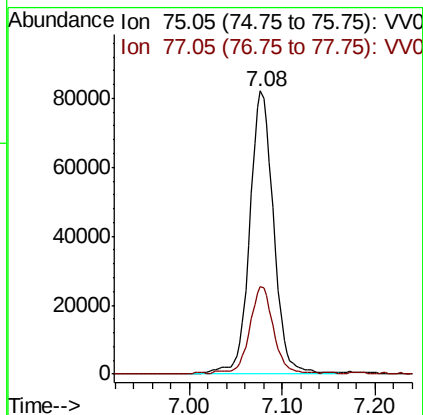
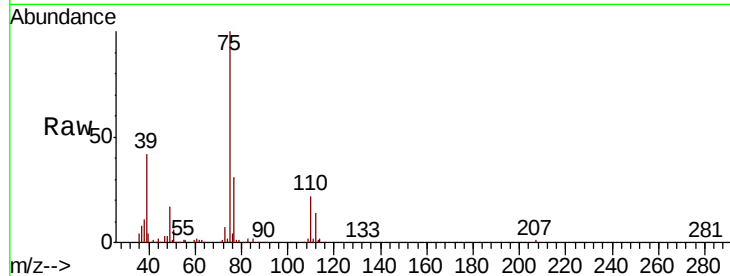


#39

cis-1,3-Dichloropropene
 Concen: 4.888 ug/L
 RT: 7.08 min Scan# 1924
 Delta R.T. -0.00 min
 Lab File: VV006893.D
 Acq: 04 Aug 2018 20:32

Instrument :
 MSVOA_V
 ClientSampleId :

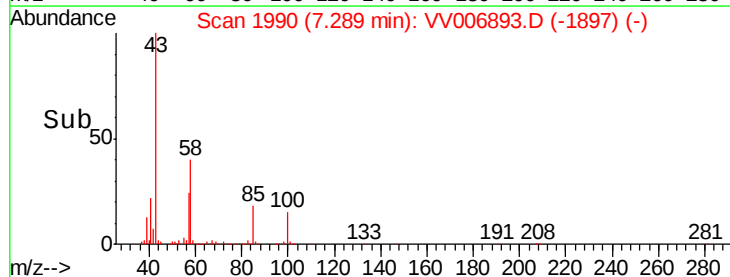
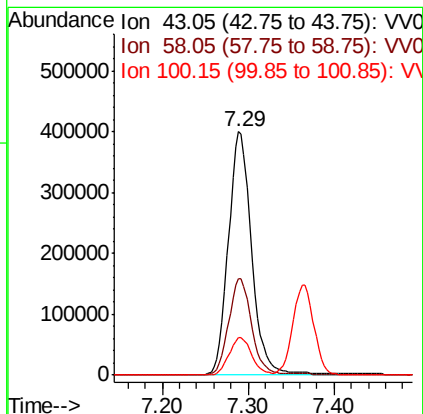
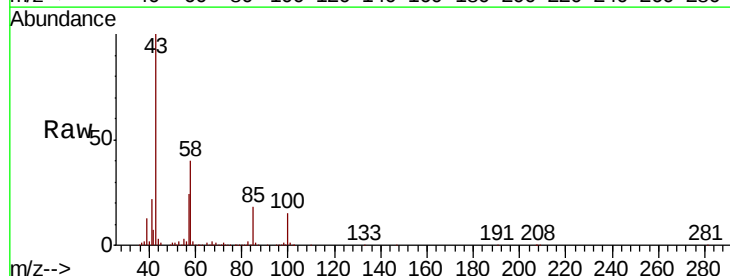
Tot Ion: 75 Resp: 147081
 Ion Ratio Lower Upper
 75 100
 77 30.9 22.5 41.9

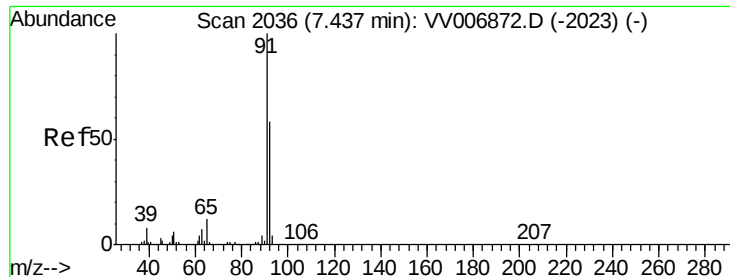


#40

4-Methyl-2-pentanone
 Concen: 58.437 ug/L
 RT: 7.29 min Scan# 1990
 Delta R.T. -0.00 min
 Lab File: VV006893.D
 Acq: 04 Aug 2018 20:32

Tgt Ion: 43 Resp: 753603
 Ion Ratio Lower Upper
 43 100
 58 38.9 32.6 48.8
 100 15.0 13.1 19.7





#42

Toluene

Concen: 5.289 ug/L

RT: 7.44 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VV006893.D

Acq: 04 Aug 2018 20:32

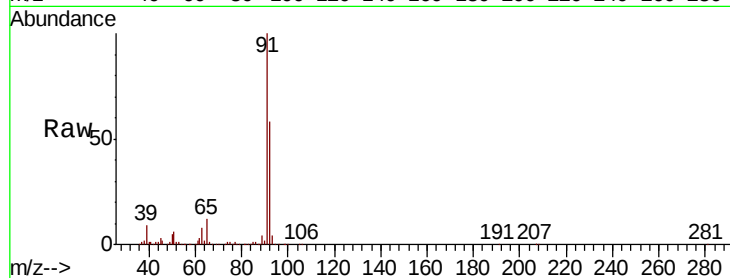
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 462360

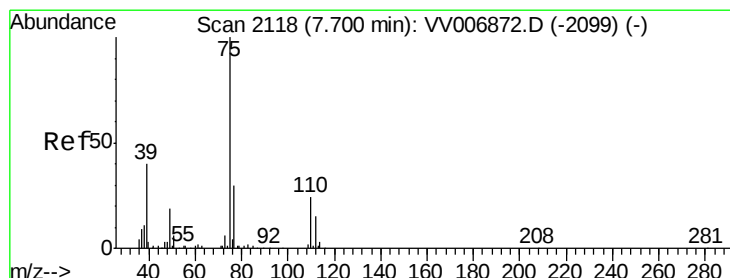
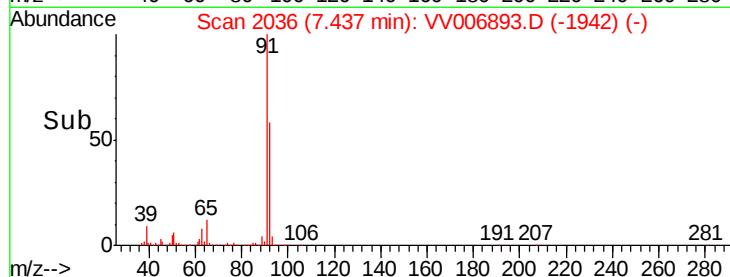
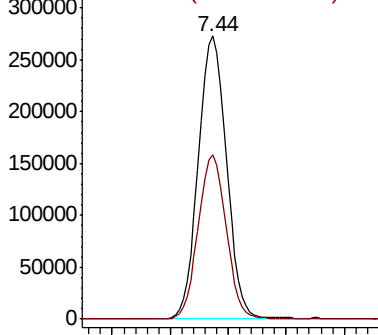
Ion Ratio Lower Upper

91 100

92 57.9 41.4 77.0



Abundance Ion 91.15 (90.85 to 91.85): VV0
Ion 92.15 (91.85 to 92.85): VV0



#44

trans-1,3-Dichloropropene

Concen: 5.115 ug/L

RT: 7.70 min Scan# 2118

Delta R.T. -0.00 min

Lab File: VV006893.D

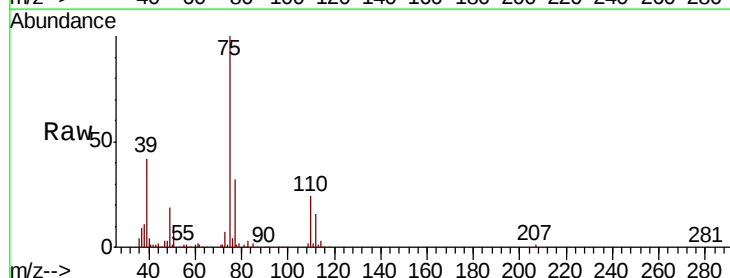
Acq: 04 Aug 2018 20:32

Tgt Ion: 75 Resp: 126708

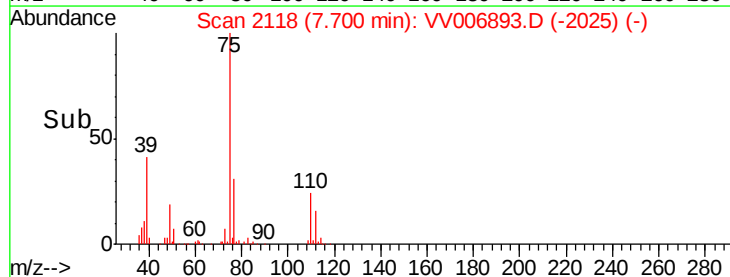
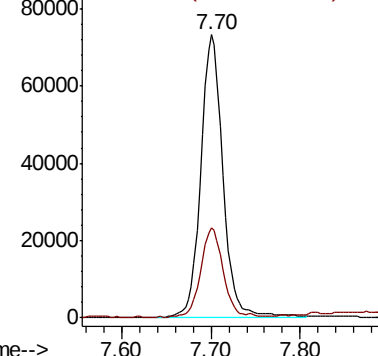
Ion Ratio Lower Upper

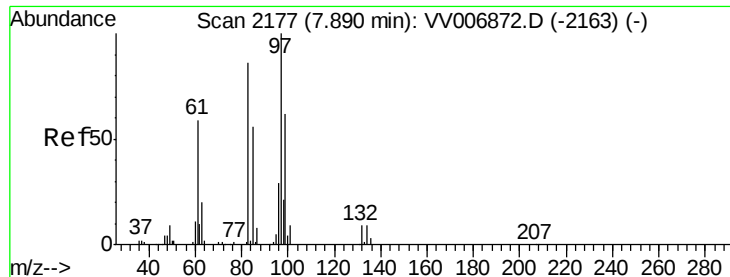
75 100

77 31.8 20.5 38.1



Abundance Ion 75.05 (74.75 to 75.75): VV0
Ion 77.05 (76.75 to 77.75): VV0





#45

1,1,2-Trichloroethane

Concen: 5.420 ug/L

RT: 7.89 min Scan# 2177

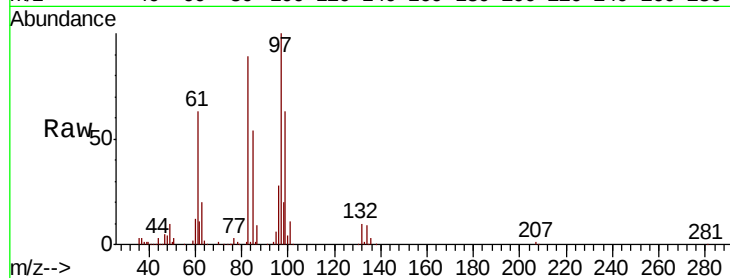
Delta R.T. 0.00 min

Lab File: VV006893.D

Acq: 04 Aug 2018 20:32

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:	97	Resp:	91307
Ion	Ratio	Lower	Upper
97	100		
99	63.4	42.2	78.4
83	89.5	58.0	107.8
85	54.1	38.2	71.0



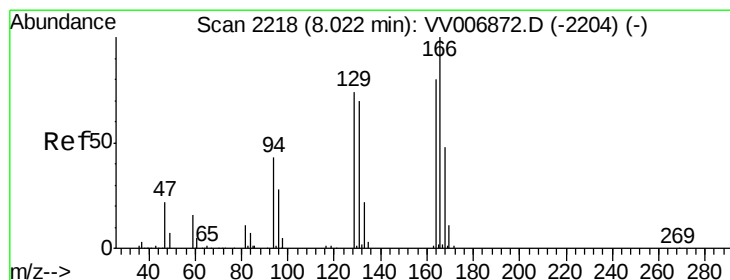
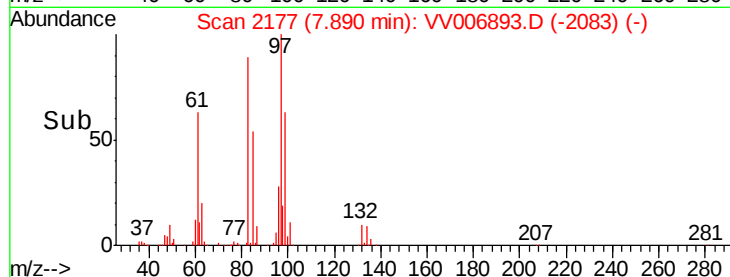
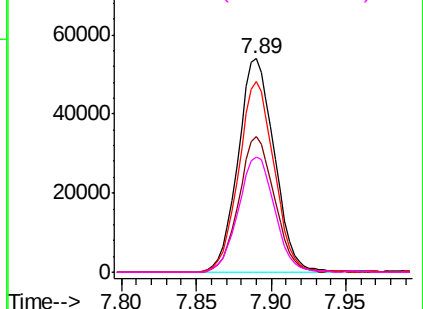
Abundance

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: 4.971 ug/L

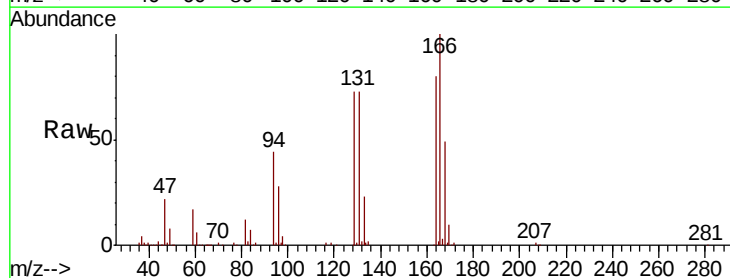
RT: 8.02 min Scan# 2218

Delta R.T. -0.00 min

Lab File: VV006893.D

Acq: 04 Aug 2018 20:32

Tgt Ion:	164	Resp:	89586
Ion	Ratio	Lower	Upper
164	100		
129	91.1	61.1	113.5
131	91.0	59.1	109.7
166	125.2	88.3	163.9



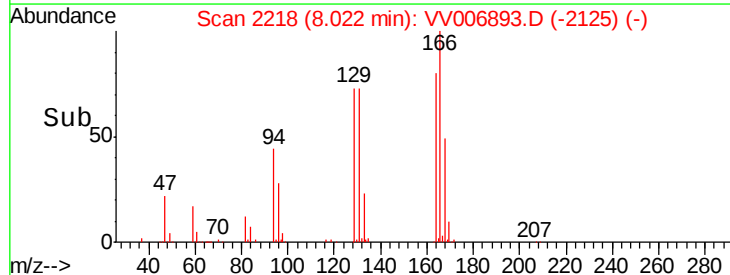
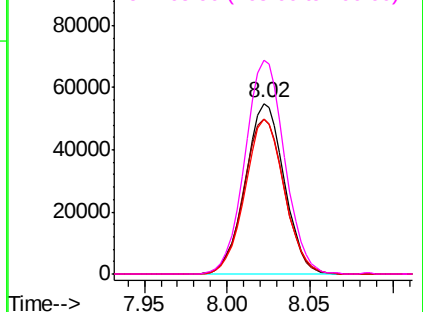
Abundance

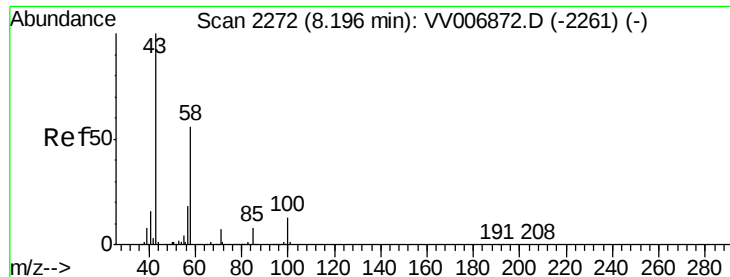
Ion 163.90 (163.60 to 164.60): V

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

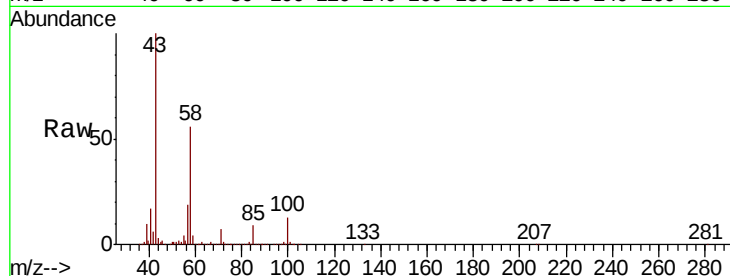




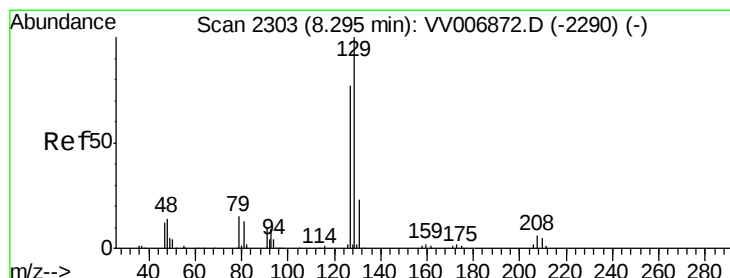
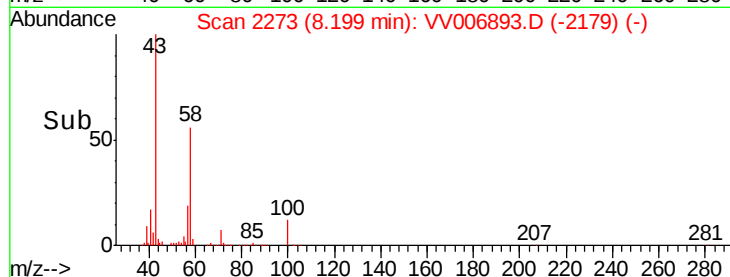
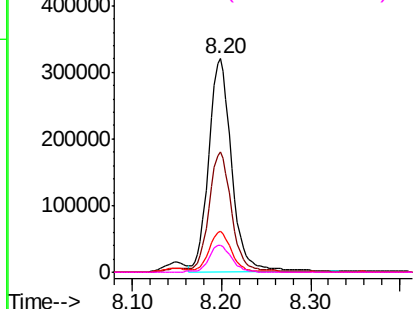
#48
2-Hexanone
Concen: 64.952 ug/L
RT: 8.20 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VV006893.D
Acq: 04 Aug 2018 20:32

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 568343
Ion Ratio Lower Upper
43 100
58 55.0 45.4 68.0
57 18.6 15.4 23.2
100 12.5 10.6 16.0

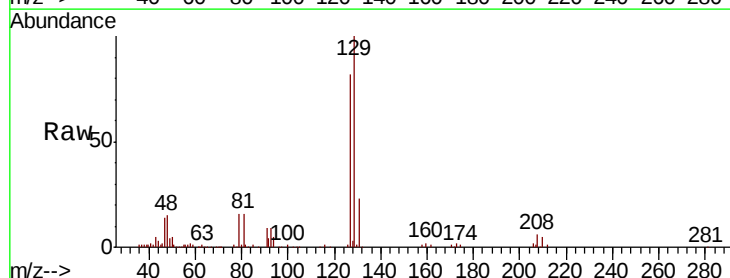


Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0

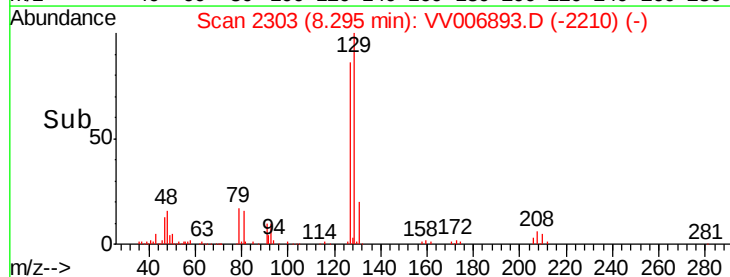
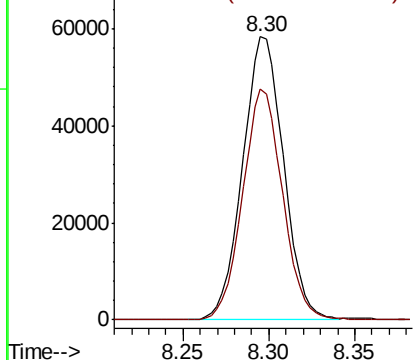


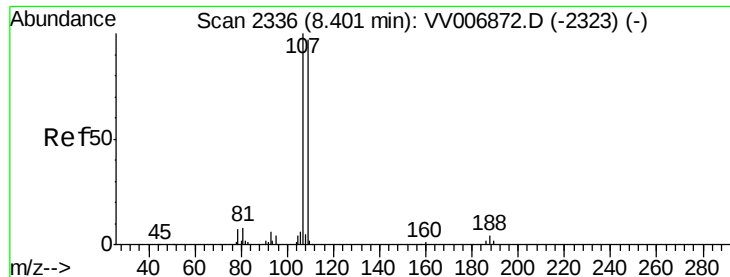
#49
Dibromochloromethane
Concen: 5.671 ug/L
RT: 8.30 min Scan# 2303
Delta R.T. -0.00 min
Lab File: VV006893.D
Acq: 04 Aug 2018 20:32

Tgt Ion: 129 Resp: 96570
Ion Ratio Lower Upper
129 100
127 81.5 55.2 102.4



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

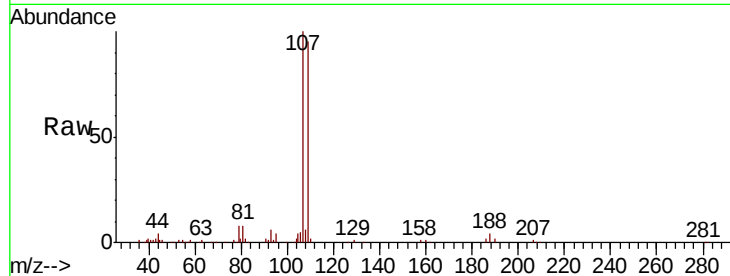




#50
 1,2-Dibromoethane
 Concen: 5.553 ug/L
 RT: 8.40 min Scan# 2336
 Delta R.T. -0.00 min
 Lab File: VV006893.D
 Acq: 04 Aug 2018 20:32

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.1	64.0	119.0
188	3.8	2.8	4.2

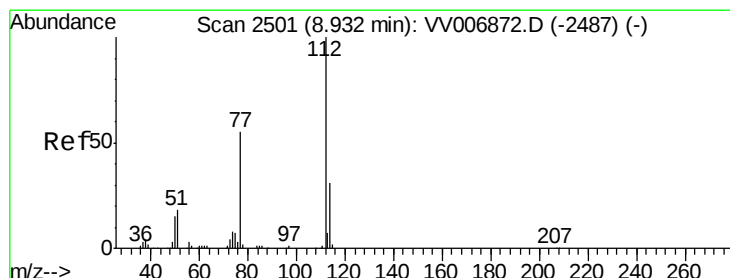
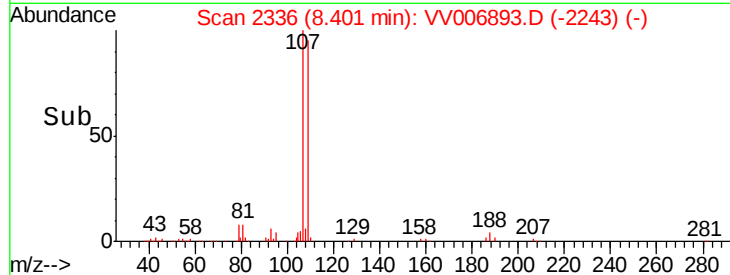
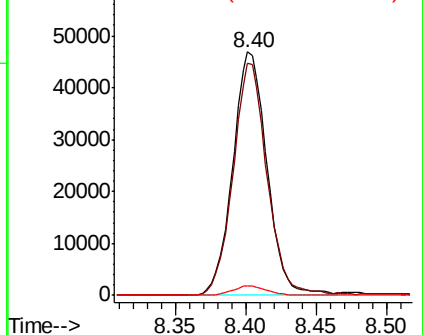


Abundance

Ion 106.95 (106.65 to 107.65): V

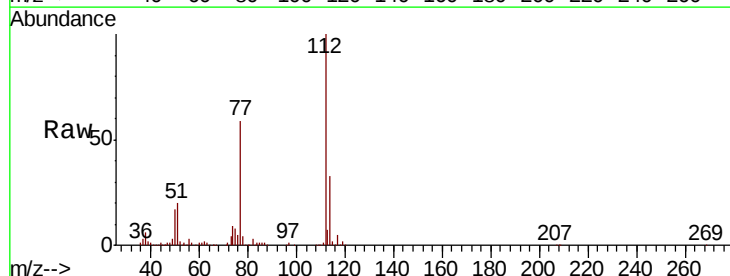
Ion 109.00 (108.70 to 109.70): V

Ion 187.90 (187.60 to 188.60): V



#51
 Chlorobenzene
 Concen: 5.102 ug/L
 RT: 8.93 min Scan# 2500
 Delta R.T. -0.00 min
 Lab File: VV006893.D
 Acq: 04 Aug 2018 20:32

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.8	22.3	41.5
77	59.4	46.3	69.5

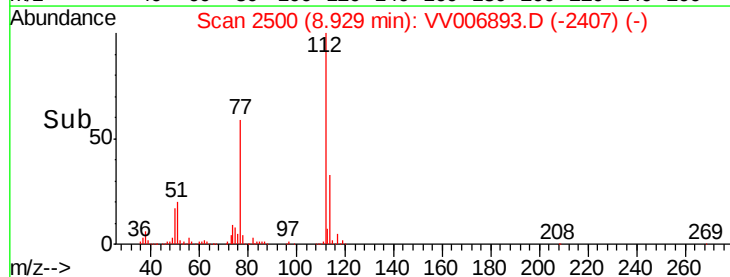
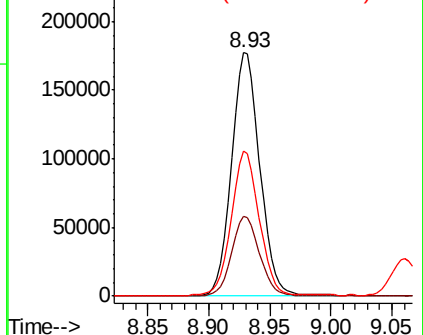


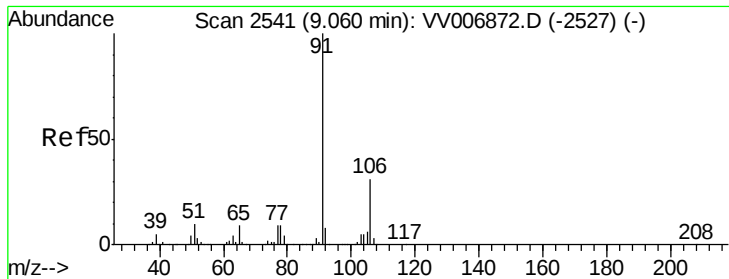
Abundance

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: 4.722 ug/L

RT: 9.06 min Scan# 2541

Delta R.T. -0.00 min

Lab File: VV006893.D

Acq: 04 Aug 2018 20:32

Instrument :

MSVOA_V

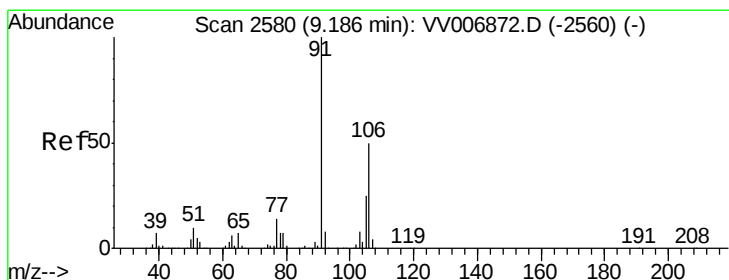
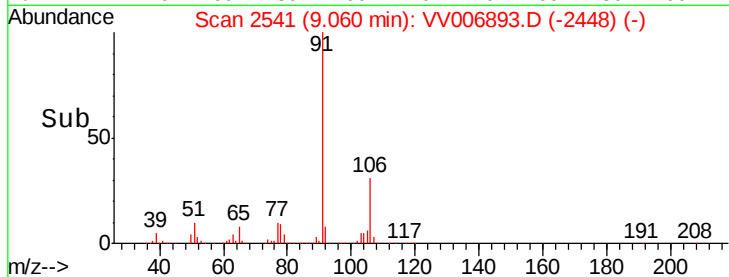
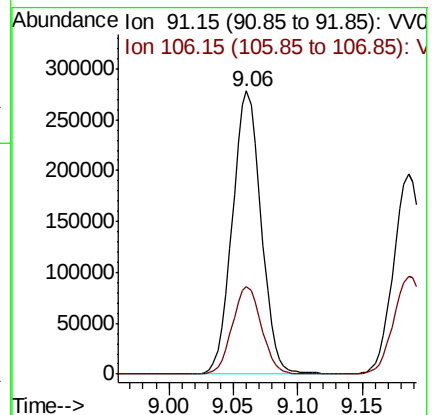
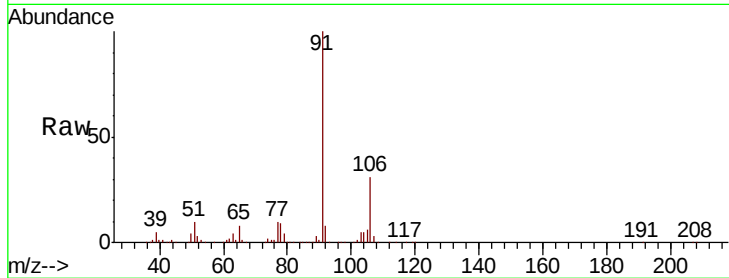
ClientSampleId :

Tot Ion: 91 Resp: 431192

Ion Ratio Lower Upper

91 100

106 31.1 21.3 39.6



#53

m,p-xylene

Concen: 4.769 ug/L

RT: 9.19 min Scan# 2580

Delta R.T. -0.00 min

Lab File: VV006893.D

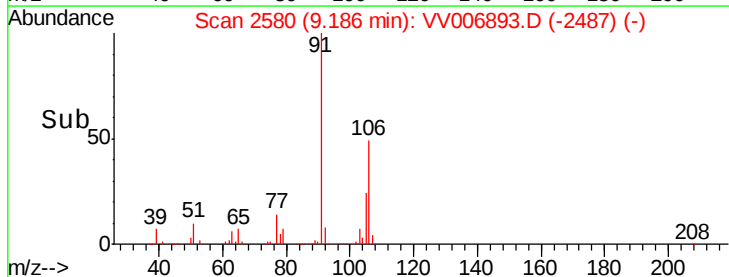
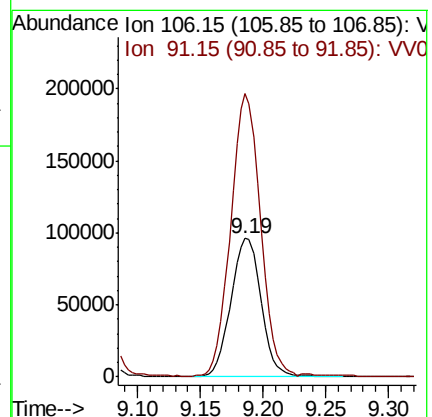
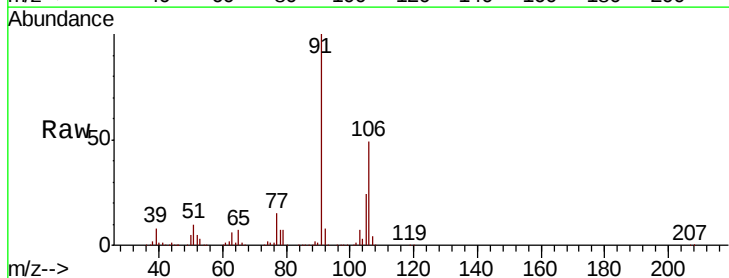
Acq: 04 Aug 2018 20:32

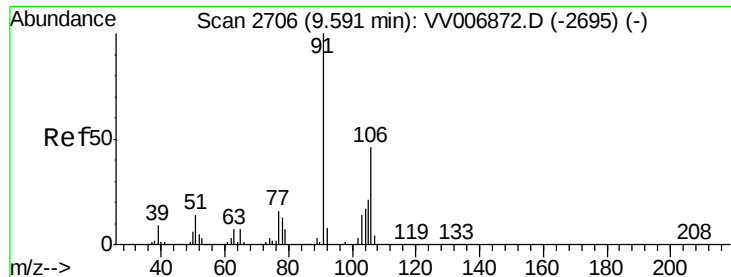
Tgt Ion: 106 Resp: 161663

Ion Ratio Lower Upper

106 100

91 204.3 137.4 255.2





#54

o-xylene

Concen: 4.521 ug/L

RT: 9.59 min Scan# 2706

Delta R.T. -0.00 min

Lab File: VV006893.D

Acq: 04 Aug 2018 20:32

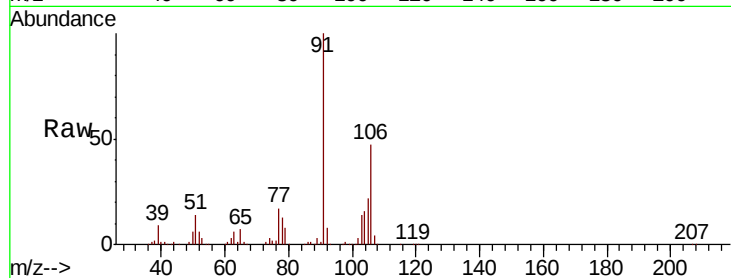
Instrument :
MSVOA_V
ClientSampled :

Tot Ion:106 Resp: 154643

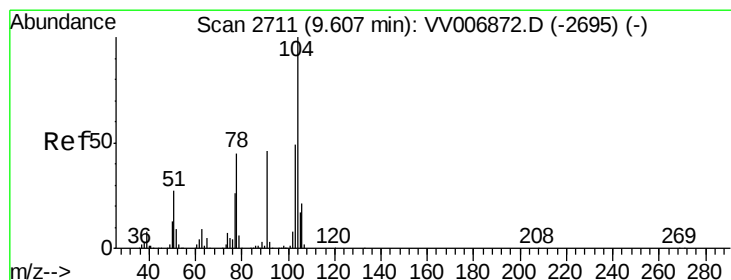
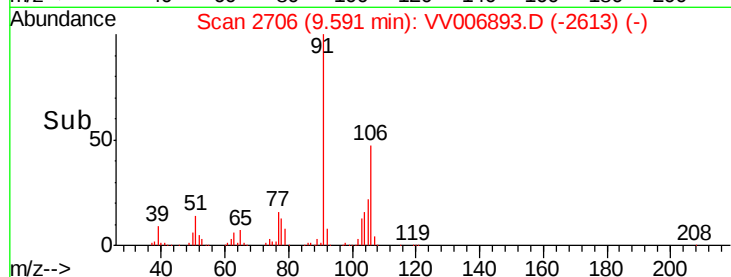
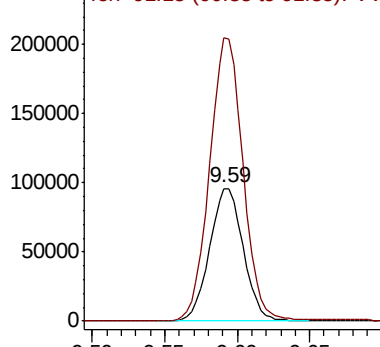
Ion Ratio Lower Upper

106 100

91 213.4 150.1 278.9



Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 4.904 ug/L

RT: 9.61 min Scan# 2712

Delta R.T. 0.00 min

Lab File: VV006893.D

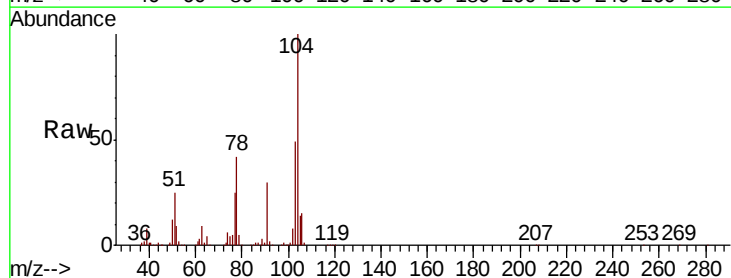
Acq: 04 Aug 2018 20:32

Tgt Ion:104 Resp: 263607

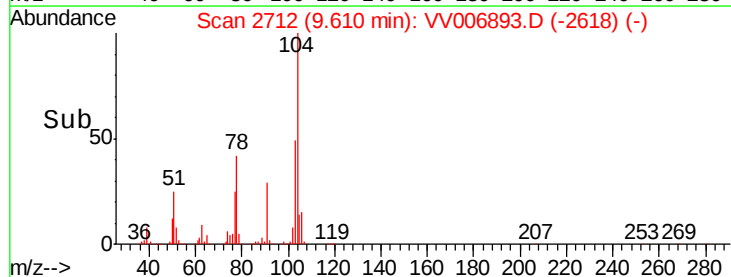
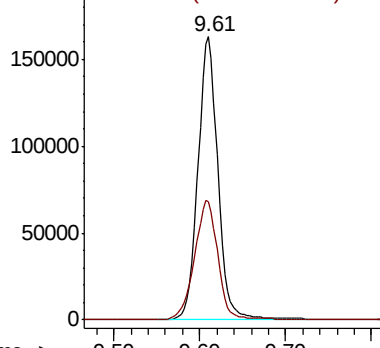
Ion Ratio Lower Upper

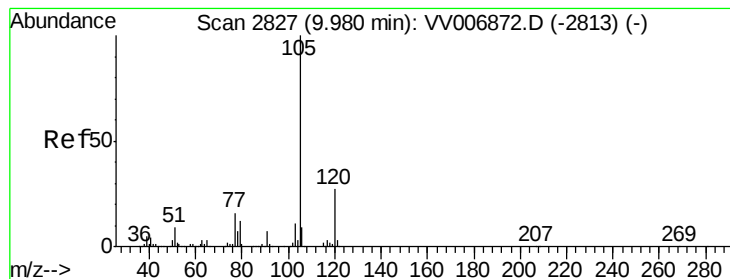
104 100

78 41.7 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: 4.710 ug/L

RT: 9.98 min Scan# 2827

Delta R.T. -0.00 min

Lab File: VV006893.D

Acq: 04 Aug 2018 20:32

Instrument :

MSVOA_V

ClientSampleId :

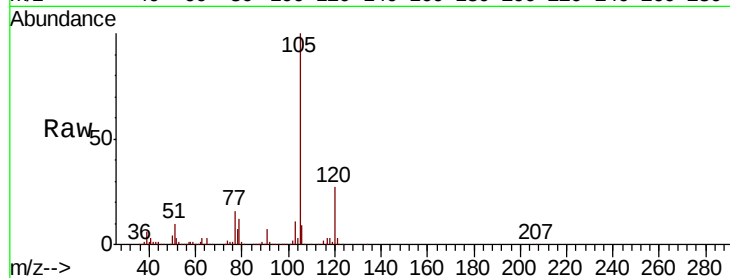
Tot Ion:105 Resp: 409914

Ion Ratio Lower Upper

105 100

120 27.3 21.1 31.7

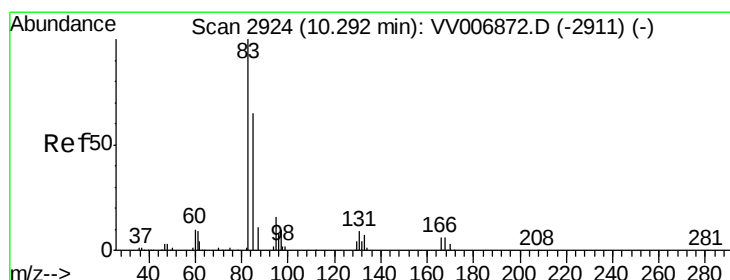
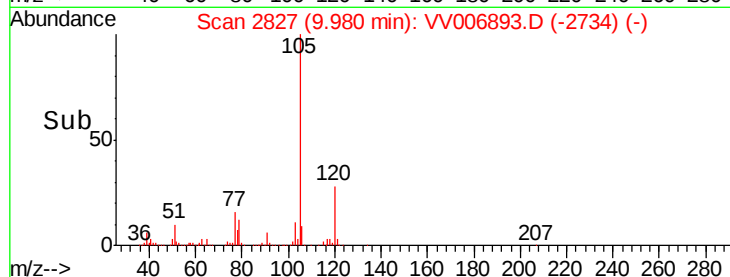
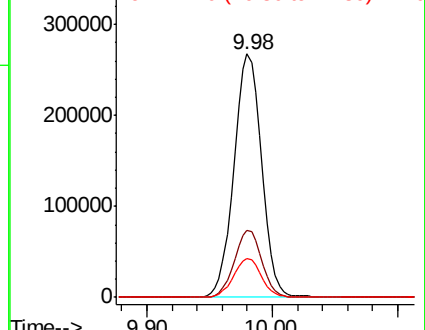
77 16.1 12.0 18.0



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: 5.721 ug/L

RT: 10.29 min Scan# 2924

Delta R.T. -0.00 min

Lab File: VV006893.D

Acq: 04 Aug 2018 20:32

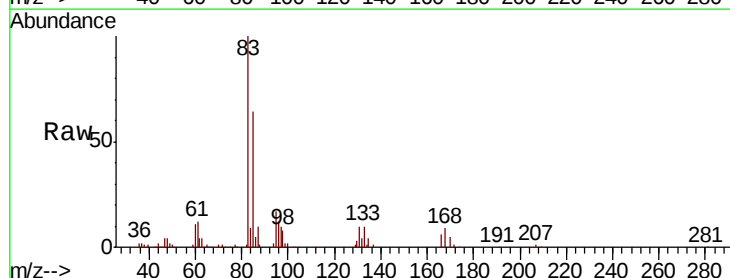
Tgt Ion: 83 Resp: 116647

Ion Ratio Lower Upper

83 100

85 63.8 44.1 81.9

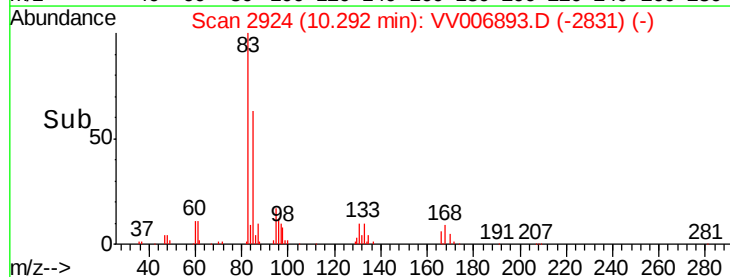
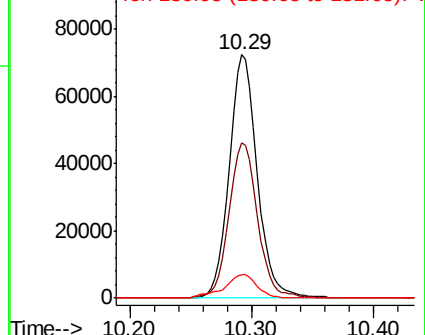
131 9.8 6.6 9.8

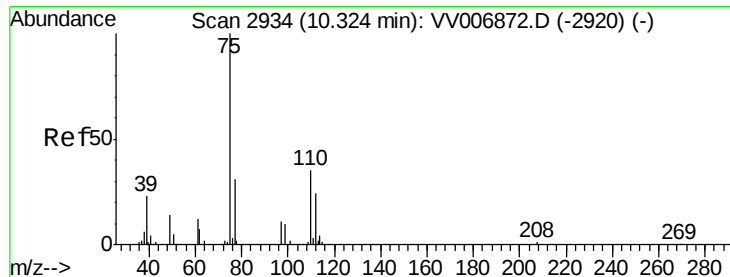


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 5.845 ug/L

RT: 10.32 min Scan# 2934

Delta R.T. -0.00 min

Lab File: VV006893.D

Acq: 04 Aug 2018 20:32

Instrument :

MSVOA_V

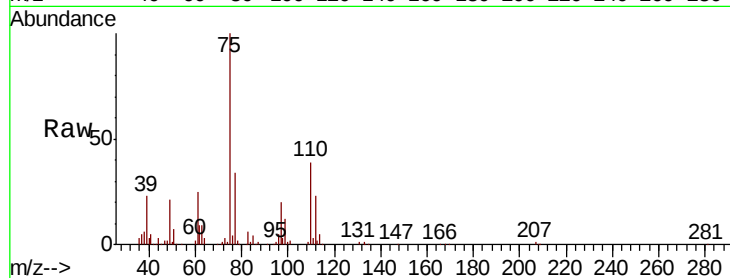
ClientSampled :

Tot Ion: 75 Resp: 83748

Ion Ratio Lower Upper

75 100

77 31.9 26.8 40.2

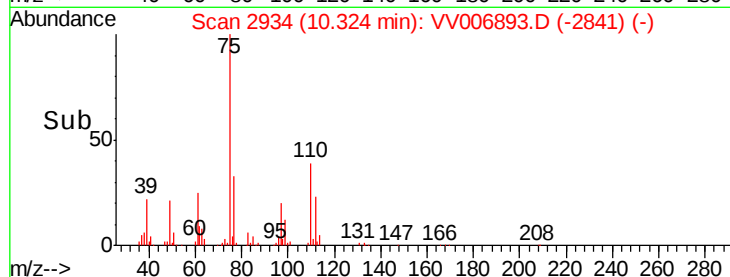


Abundance Ion 75.00 (74.70 to 75.70): VV006872.D (-2920) (-)

Ion 77.00 (76.70 to 77.70): VV006893.D (-2841) (-)

10.32

Time-->

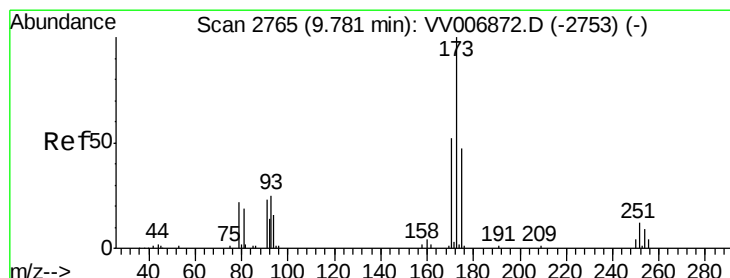


Abundance Ion 75.00 (74.70 to 75.70): VV006872.D (-2920) (-)

Ion 77.00 (76.70 to 77.70): VV006893.D (-2841) (-)

10.32

Time-->



#61

Bromoform

Concen: 5.771 ug/L

RT: 9.78 min Scan# 2766

Delta R.T. 0.00 min

Lab File: VV006893.D

Acq: 04 Aug 2018 20:32

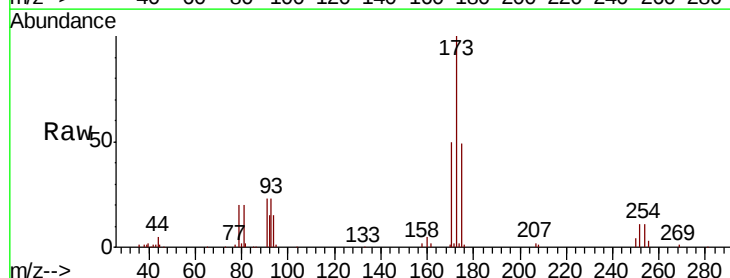
Tgt Ion: 173 Resp: 51081

Ion Ratio Lower Upper

173 100

175 49.6 39.3 58.9

254 11.6 9.7 14.5



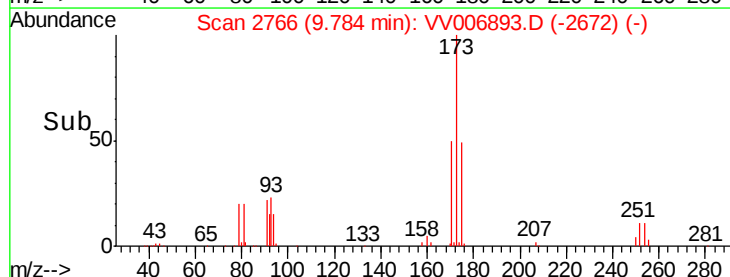
Abundance Ion 172.90 (172.60 to 173.60): VV006872.D (-2753) (-)

Ion 174.90 (174.60 to 175.60): VV006893.D (-2672) (-)

Ion 253.75 (253.45 to 254.45): VV006893.D (-2672) (-)

9.78

Time-->



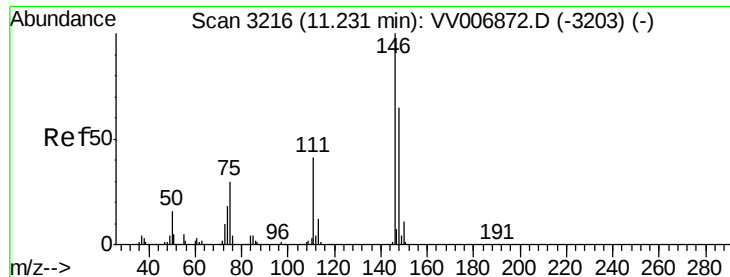
Abundance Ion 172.90 (172.60 to 173.60): VV006872.D (-2753) (-)

Ion 174.90 (174.60 to 175.60): VV006893.D (-2672) (-)

Ion 253.75 (253.45 to 254.45): VV006893.D (-2672) (-)

9.78

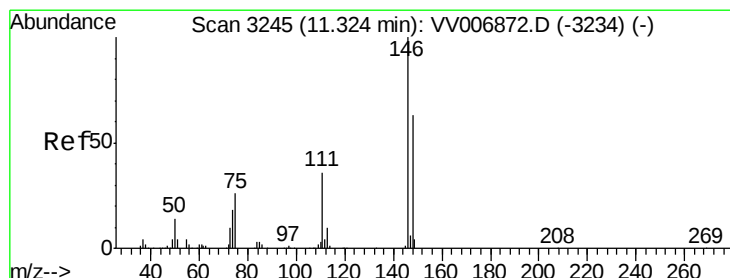
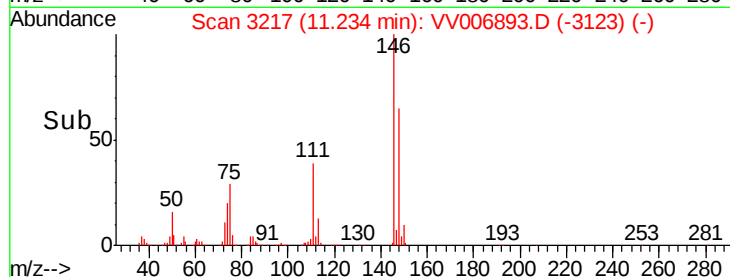
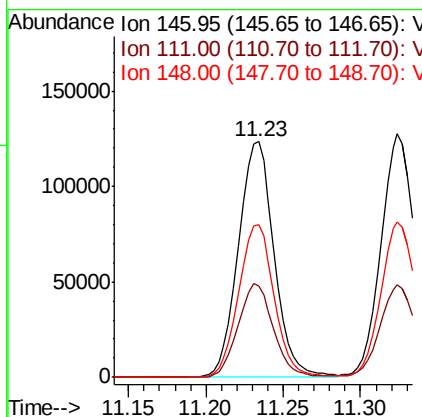
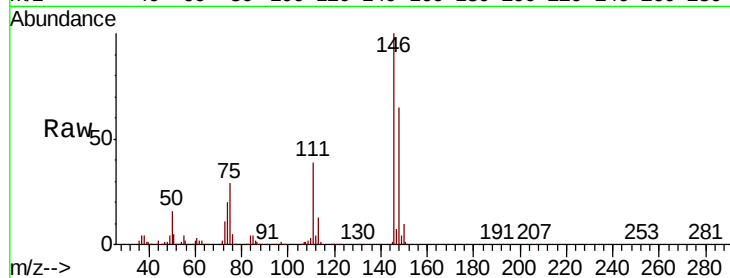
Time-->



#62
 1,3-Dichlorobenzene
 Concen: 4.834 ug/L
 RT: 11.23 min Scan# 3217
 Delta R.T. 0.00 min
 Lab File: VV006893.D
 Acq: 04 Aug 2018 20:32

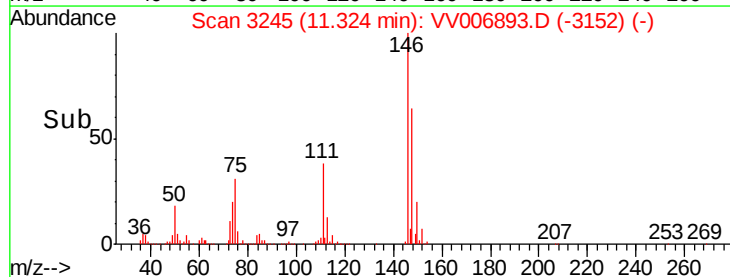
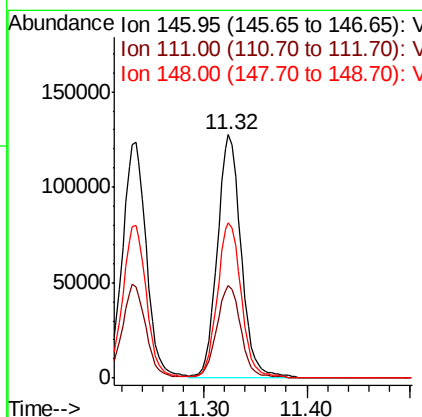
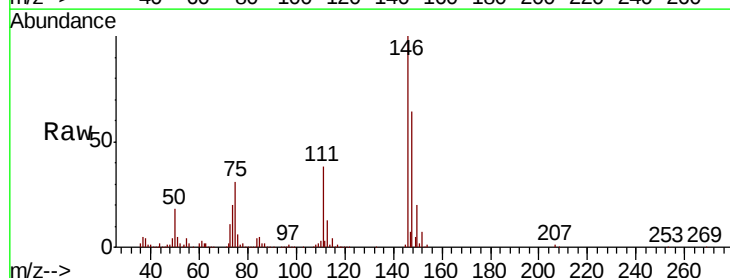
Instrument :
 MSVOA_V
 ClientSampleId :

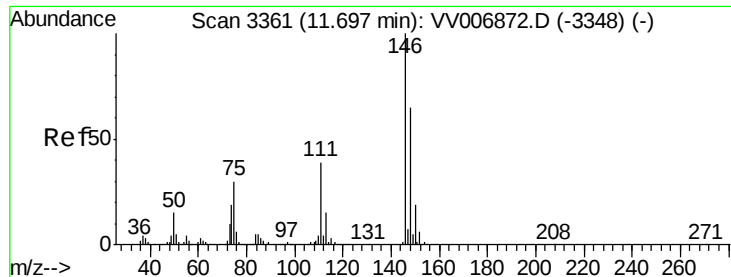
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.0	27.3	50.7
148	65.0	45.1	83.9



#63
 1,4-Dichlorobenzene
 Concen: 5.041 ug/L
 RT: 11.32 min Scan# 3245
 Delta R.T. -0.00 min
 Lab File: VV006893.D
 Acq: 04 Aug 2018 20:32

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.8	26.2	48.8
148	64.0	44.9	83.3





#65

1,2-Dichlorobenzene

Concen: 5.075 ug/L

RT: 11.70 min Scan# 3361

Delta R.T. 0.00 min

Lab File: VV006893.D

Acq: 04 Aug 2018 20:32

Instrument :

MSVOA_V

ClientSampleId :

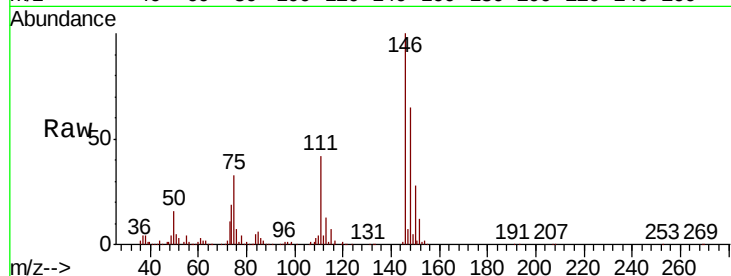
Tot Ion:146 Resp: 204612

Ion Ratio Lower Upper

146 100

111 41.7 31.8 47.6

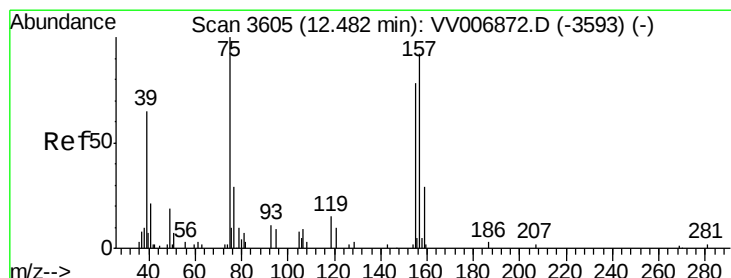
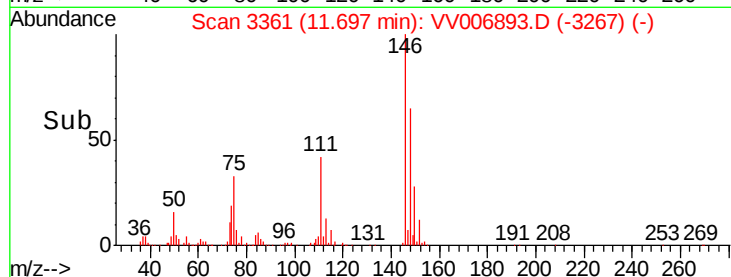
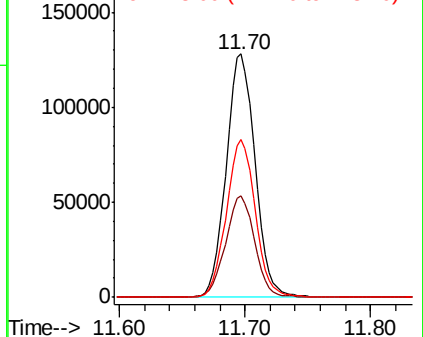
148 65.0 52.3 78.5



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: 5.804 ug/L

RT: 12.48 min Scan# 3606

Delta R.T. 0.00 min

Lab File: VV006893.D

Acq: 04 Aug 2018 20:32

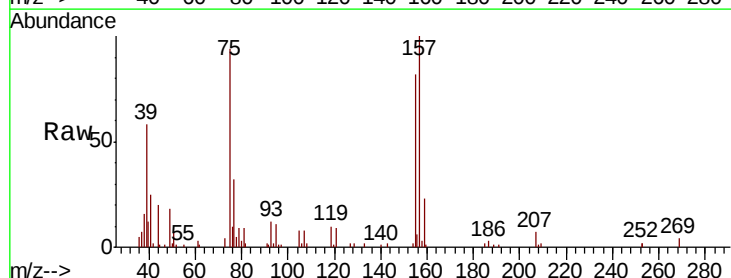
Tgt Ion: 75 Resp: 16271

Ion Ratio Lower Upper

75 100

155 86.6 61.8 92.8

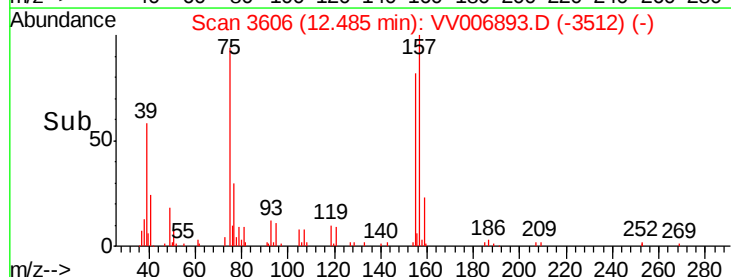
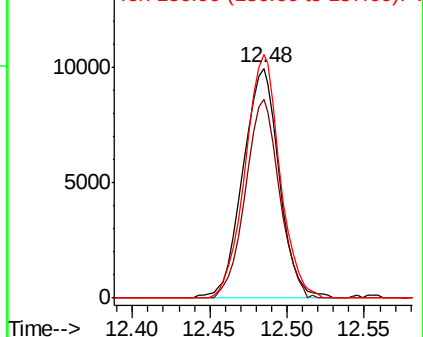
157 106.1 86.6 129.8

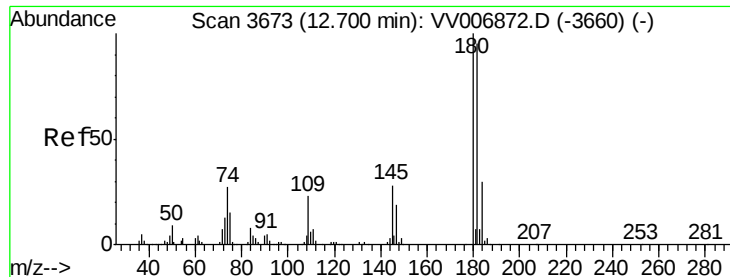


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

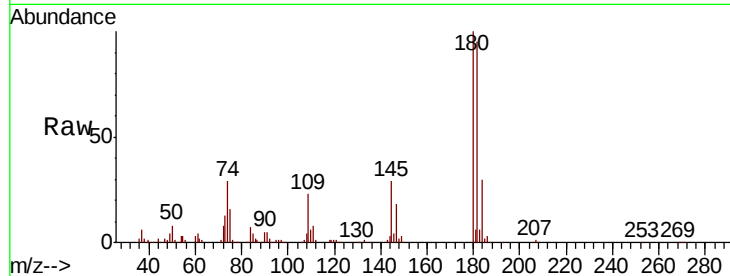




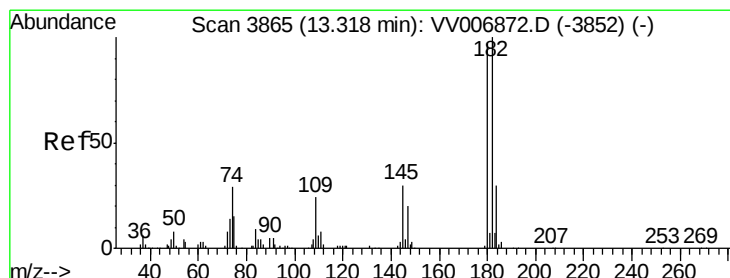
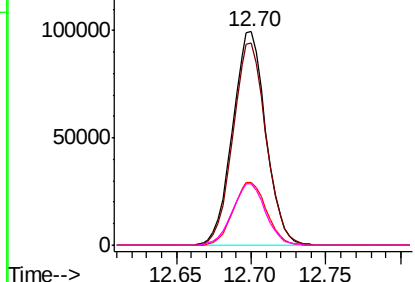
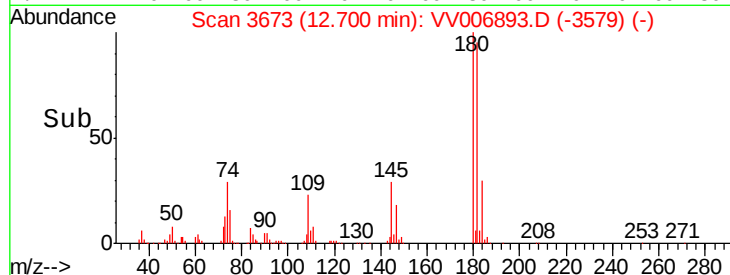
#67
 1,3,5-Trichlorobenzene
 Concen: 4.844 ug/L
 RT: 12.70 min Scan# 3673
 Delta R.T. 0.00 min
 Lab File: VV006893.D
 Acq: 04 Aug 2018 20:32

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:180	Resp:	153077
Ion	Ratio	Lower Upper
180	100	
182	94.6	74.6 112.0
184	29.7	22.7 34.1
145	28.9	22.9 34.3

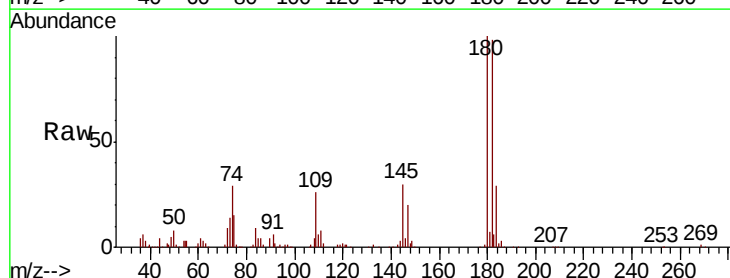


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

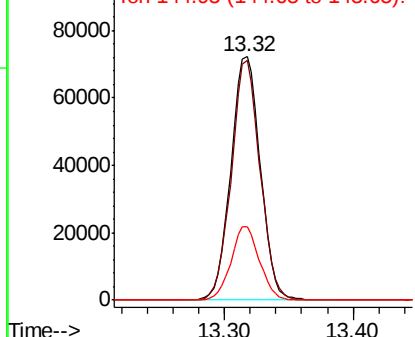
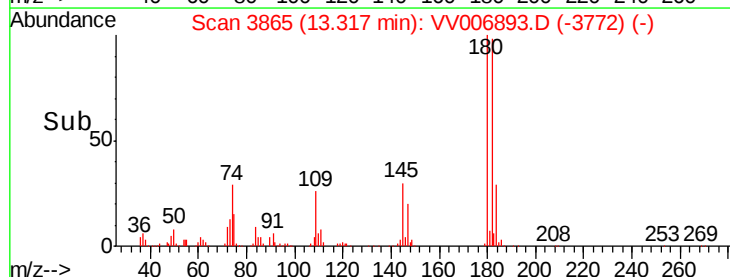


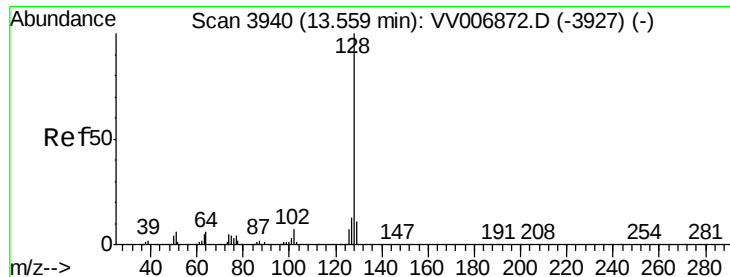
#68
 1,2,4-trichlorobenzene
 Concen: 4.669 ug/L
 RT: 13.32 min Scan# 3865
 Delta R.T. -0.00 min
 Lab File: VV006893.D
 Acq: 04 Aug 2018 20:32

Tgt Ion:180	Resp:	114623
Ion	Ratio	Lower Upper
180	100	
182	95.6	77.0 115.6
145	29.1	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: 4.310 ug/L

RT: 13.56 min Scan# 3940

Delta R.T. -0.00 min

Lab File: VV006893.D

Acq: 04 Aug 2018 20:32

Instrument :

MSVOA_V

ClientSampleId :

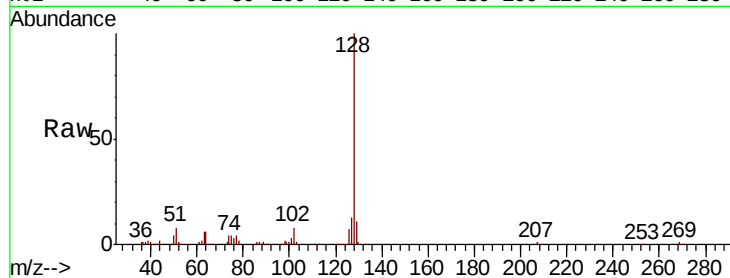
Tot Ion:128 Resp: 184410

Ion Ratio Lower Upper

128 100

129 10.7 8.2 12.4

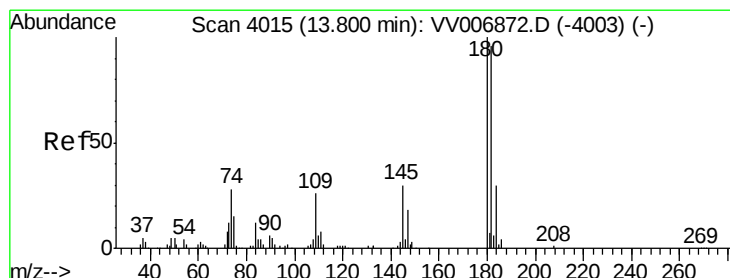
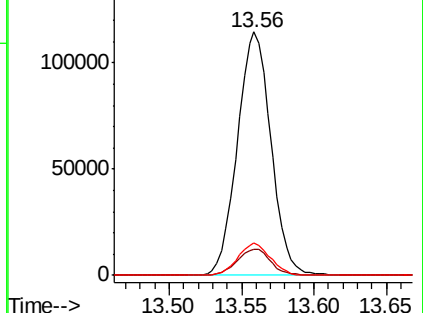
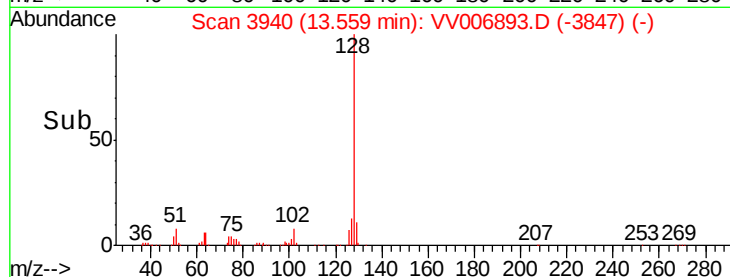
127 12.7 10.7 16.1



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: 4.955 ug/L

RT: 13.80 min Scan# 4015

Delta R.T. -0.00 min

Lab File: VV006893.D

Acq: 04 Aug 2018 20:32

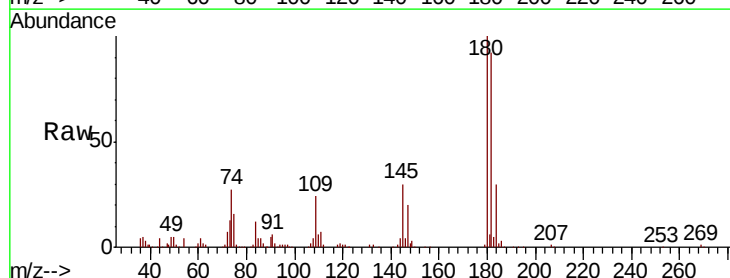
Tgt Ion:180 Resp: 117402

Ion Ratio Lower Upper

180 100

182 93.1 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

