

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV082918\
 Data File : VV007249.D
 Acq On : 29 Aug 2018 10:17
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0 mL/MSVOA V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Aug 30 04:36:15 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR082818WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Aug 29 04:00:48 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	281435	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	277369	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	129574	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	76851	3.85	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	77.00%
7) Chloroethane-d5	1.58	69	66649	4.14	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	82.80%
11) 1,1-Dichloroethene-d2	2.13	63	145161	4.20	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	84.00%
20) 2-Butanone-d5	3.96	46	201207	40.34	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	80.68%
24) Chloroform-d	4.40	84	173448	4.30	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.00%
26) 1,2-Dichloroethane-d4	5.09	65	82488	4.10	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	82.00%
32) Benzene-d6	5.10	84	327937	4.16	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	83.20%
36) 1,2-Dichloropropane-d6	6.12	67	108526	4.23	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	84.60%
41) Toluene-d8	7.36	98	301096	4.39	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.80%
43) trans-1,3-Dichloropropene-	7.67	79	37126	4.08	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	81.60%
46) 2-Hexanone-d5	8.14	63	95979	40.06	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	80.12%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	82063	4.12	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	82.40%
64) 1,2-Dichlorobenzene-d4	11.68	152	104299	4.19	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	83.80%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	105865	5.119	ug/L 100
3) Chloromethane	1.25	50	117261	5.174	ug/L 97
5) Vinyl chloride	1.32	62	108526	5.001	ug/L 98
6) Bromomethane	1.54	94	39032	5.024	ug/L 98
8) Chloroethane	1.60	64	68374	5.139	ug/L 99
9) Trichlorofluoromethane	1.77	101	155628	5.128	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	99595	5.223	ug/L 99
12) 1,1-Dichloroethene	2.14	96	87267	5.124	ug/L 91
13) Acetone	2.20	43	120179	48.043	ug/L 91
14) Carbon disulfide	2.32	76	243940	4.858	ug/L 100
15) Methyl Acetate	2.47	43	31478	4.745	ug/L 98
16) Methylene chloride	2.54	84	99230	4.806	ug/L 98
17) Methyl tert-butyl Ether	2.82	73	205165	4.679	ug/L 99
18) trans-1,2-Dichloroethene	2.79	96	97469	5.137	ug/L 96
19) 1,1-Dichloroethane	3.23	63	197854	5.123	ug/L 99
21) 2-Butanone	4.05	43	244642	47.032	ug/L 94
22) cis-1,2-Dichloroethene	3.96	96	107659	4.943	ug/L 97

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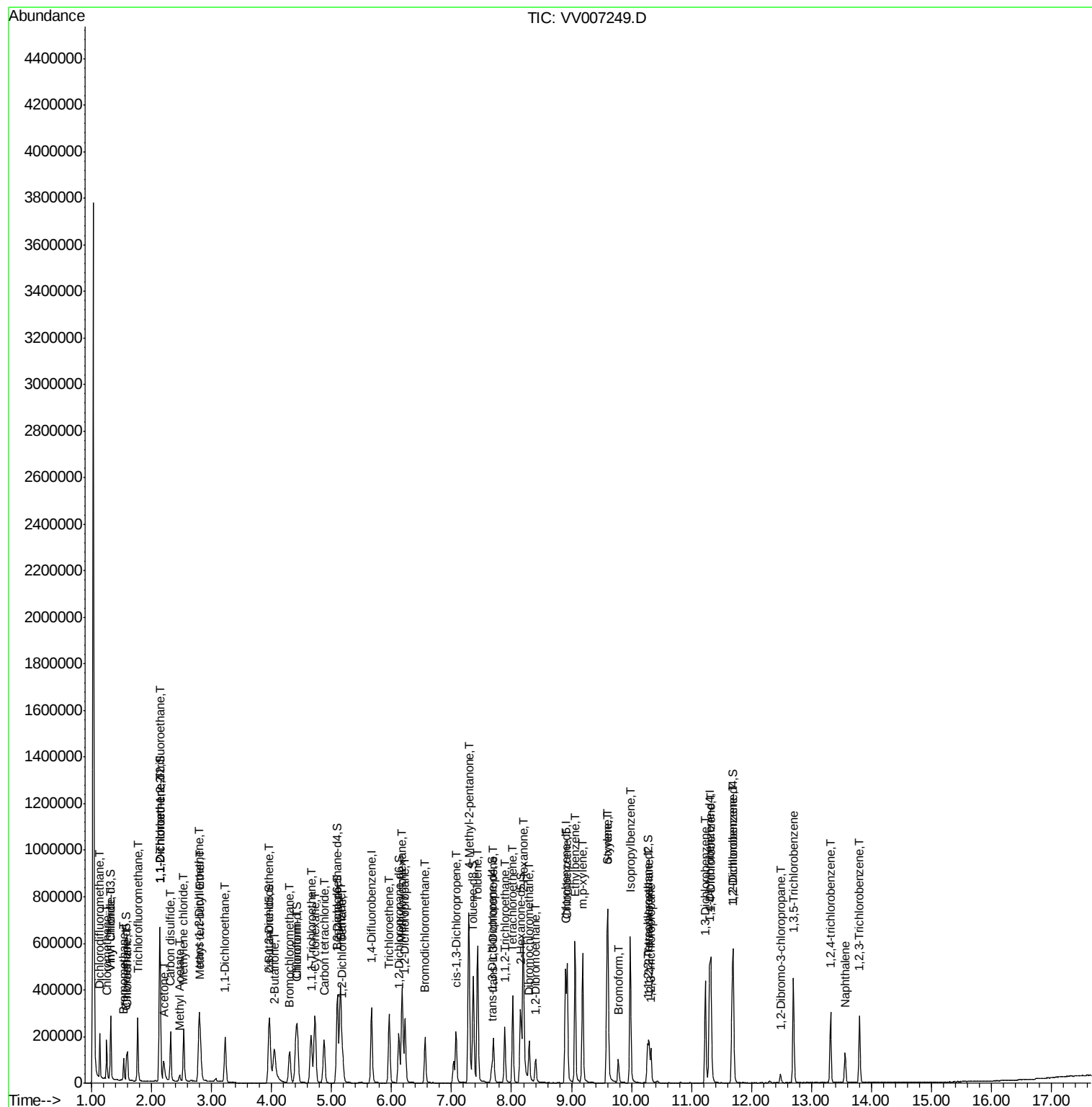
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	48179	4.885	ug/L	99
25) Chloroform	4.43	83	199672	5.163	ug/L	99
27) 1,2-Dichloroethane	5.19	62	109883	4.833	ug/L	96
29) 1,1,1-Trichloroethane	4.66	97	164790	5.099	ug/L	99
30) Cyclohexane	4.73	56	143605	5.049	ug/L	97
31) Carbon tetrachloride	4.87	117	141041	5.152	ug/L	100
33) Benzene	5.15	78	429044	5.222	ug/L	100
34) Trichloroethene	5.96	95	102975	4.969	ug/L	96
35) Methylcyclohexane	6.18	83	155052	5.116	ug/L	99
37) 1,2-Dichloropropane	6.22	63	113891	5.223	ug/L	100
38) Bromodichloromethane	6.56	83	134588	5.147	ug/L	95
39) cis-1,3-Dichloropropene	7.08	75	134996	4.990	ug/L	100
40) 4-Methyl-2-pentanone	7.29	43	544984	47.715	ug/L	98
42) Toluene	7.43	91	433469	5.373	ug/L	98
44) trans-1,3-Dichloropropene	7.70	75	111549	4.944	ug/L	97
45) 1,1,2-Trichloroethane	7.89	97	76303	4.853	ug/L	99
47) Tetrachloroethene	8.02	164	91067	5.317	ug/L	99
48) 2-Hexanone	8.20	43	443075	51.981	ug/L	97
49) Dibromochloromethane	8.30	129	86666	4.898	ug/L	100
50) 1,2-Dibromoethane	8.40	107	65647	4.885	ug/L	98
51) Chlorobenzene	8.93	112	278397	5.076	ug/L	99
52) Ethylbenzene	9.06	91	420496	5.189	ug/L	99
53) m,p-xylene	9.19	106	160480	5.200	ug/L	100
54) o-xylene	9.59	106	152666	5.316	ug/L	98
55) Styrene	9.61	104	269143	5.345	ug/L	98
56) Isopropylbenzene	9.98	105	403788	5.286	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	88041	4.788	ug/L	96
59) 1,2,3-Trichloropropane	10.32	75	62972	4.753	ug/L	99
61) Bromoform	9.78	173	46612	4.793	ug/L	98
62) 1,3-Dichlorobenzene	11.23	146	197068	5.070	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	208495	5.075	ug/L	98
65) 1,2-Dichlorobenzene	11.70	146	197823	5.092	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.48	75	9838	4.323	ug/L	94
67) 1,3,5-Trichlorobenzene	12.70	180	152453	5.359	ug/L	99
68) 1,2,4-trichlorobenzene	13.32	180	99993	5.221	ug/L	99
69) Naphthalene	13.56	128	109471	4.575	ug/L	99
70) 1,2,3-Trichlorobenzene	13.80	180	92802	4.938	ug/L	99

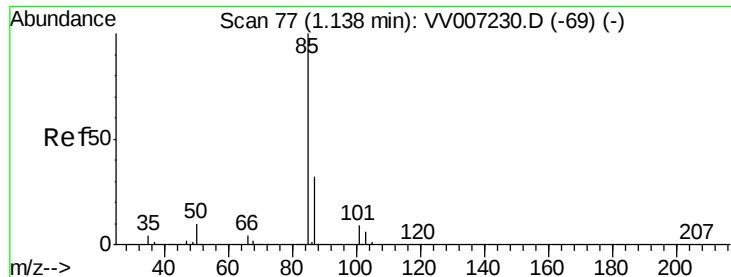
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 5.119 ug/L

RT: 1.14 min Scan# 77

Delta R.T. 0.00 min

Lab File: VV007249.D

Acq: 29 Aug 2018 10:17

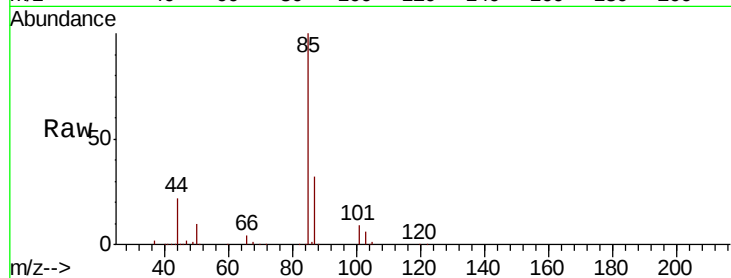
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 85 Resp: 105865

Ion Ratio Lower Upper

85 100

87 32.2 25.7 38.5



Abundance Ion 85.00 (84.70 to 85.70): VV007230.D (-69) (-)

Ion 87.00 (86.70 to 87.70): VV007230.D (-69) (-)

1.14

120000

100000

80000

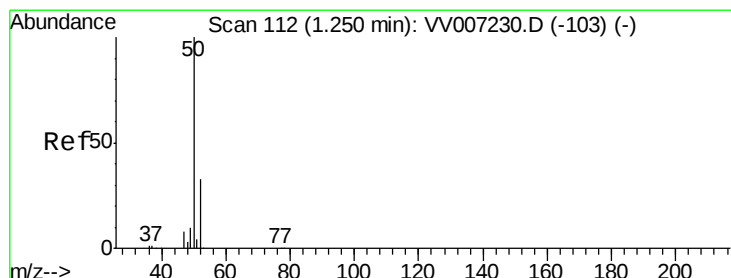
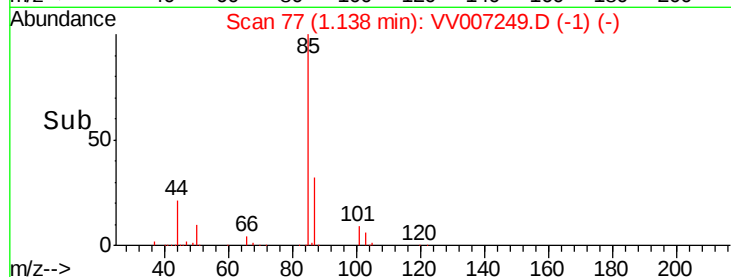
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 5.174 ug/L

RT: 1.25 min Scan# 113

Delta R.T. 0.00 min

Lab File: VV007249.D

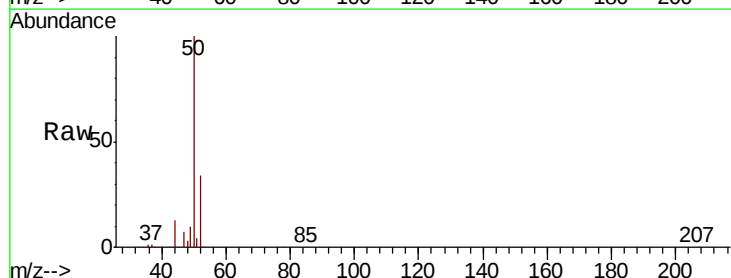
Acq: 29 Aug 2018 10:17

Tgt Ion: 50 Resp: 117261

Ion Ratio Lower Upper

50 100

52 33.9 22.5 41.9



Abundance Ion 50.05 (49.75 to 50.75): VV007230.D (-103) (-)

Ion 52.05 (51.75 to 52.75): VV007230.D (-103) (-)

1.25

120000

100000

80000

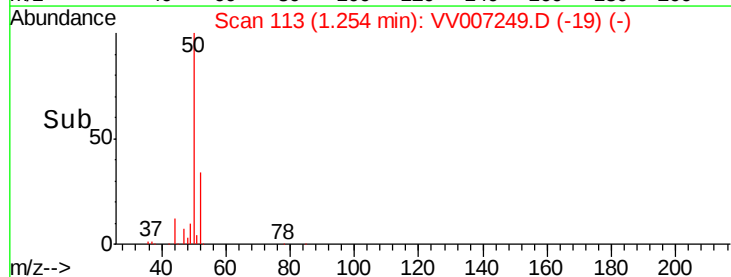
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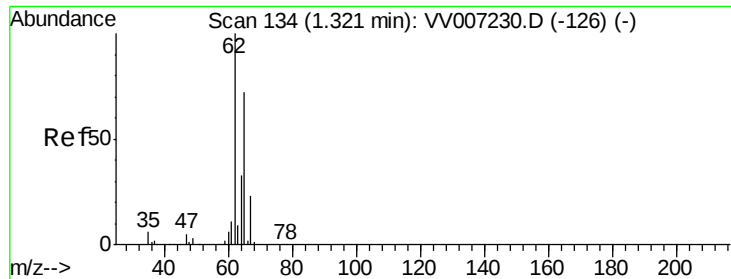
40000

20000

0

Time-->





#5

Vinyl chloride

Concen: 5.001 ug/L

RT: 1.32 min Scan# 134

Delta R.T. 0.00 min

Lab File: VV007249.D

Acq: 29 Aug 2018 10:17

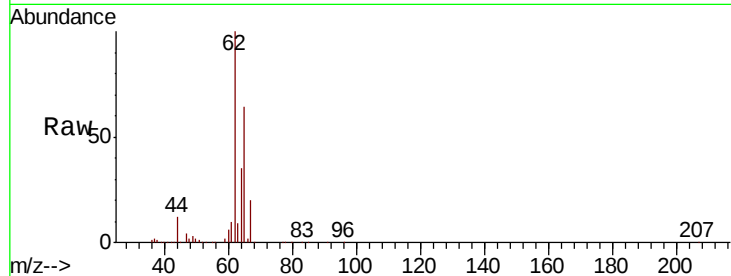
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 62 Resp: 108526

Ion Ratio Lower Upper

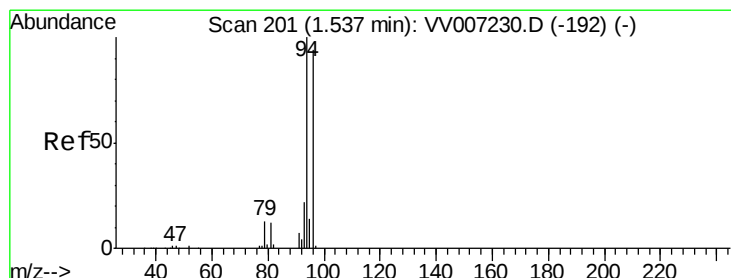
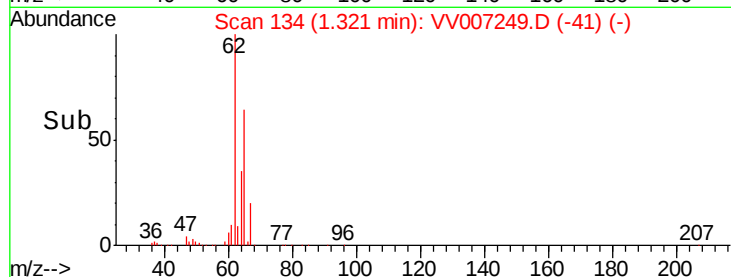
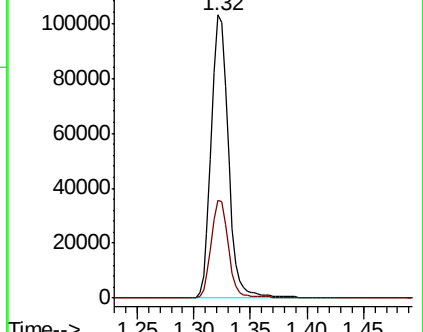
62 100

64 34.8 23.6 43.8



Abundance Ion 62.00 (61.70 to 62.70): VV007230.D (-126) (-)

Ion 64.10 (63.80 to 64.80): VV007230.D (-126) (-)



#6

Bromomethane

Concen: 5.024 ug/L

RT: 1.54 min Scan# 201

Delta R.T. 0.00 min

Lab File: VV007249.D

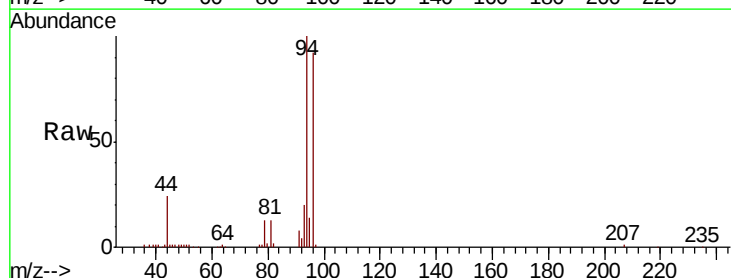
Acq: 29 Aug 2018 10:17

Tgt Ion: 94 Resp: 39032

Ion Ratio Lower Upper

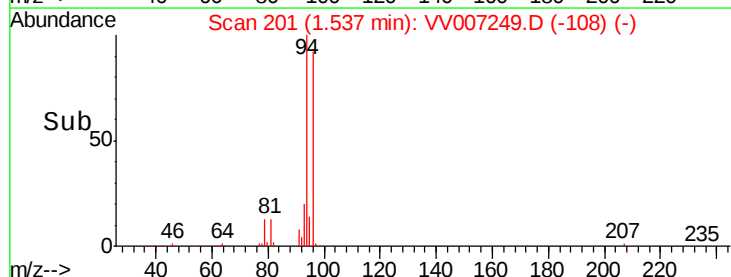
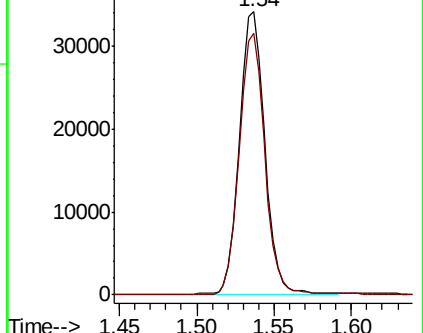
94 100

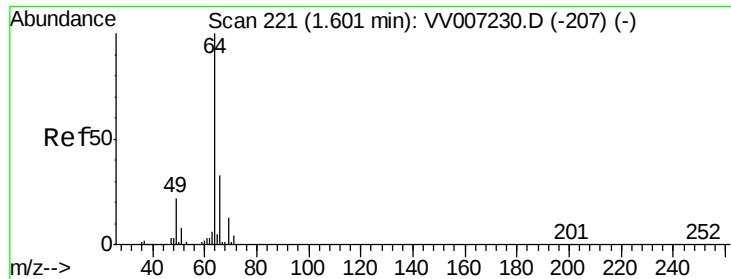
96 92.4 65.8 122.2



Abundance Ion 94.00 (93.70 to 94.70): VV007230.D (-192) (-)

Ion 96.00 (95.70 to 96.70): VV007230.D (-192) (-)





#8

Chloroethane

Concen: 5.139 ug/L

RT: 1.60 min Scan# 221

Delta R.T. 0.00 min

Lab File: VV007249.D

Acq: 29 Aug 2018 10:17

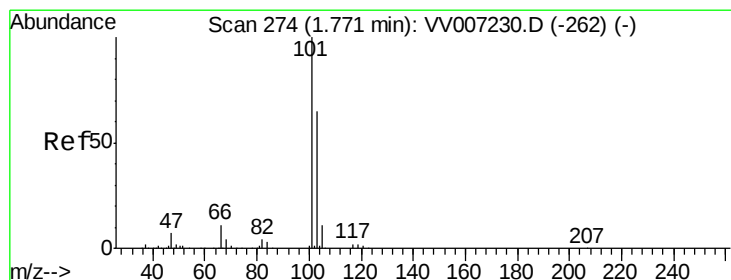
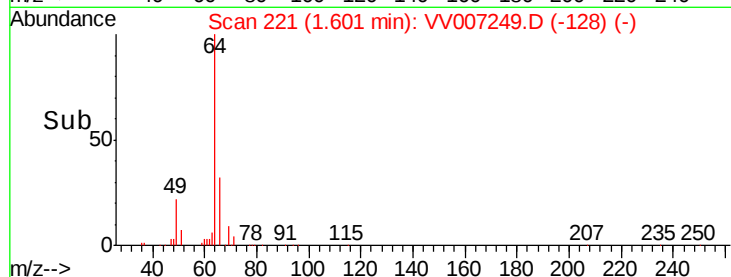
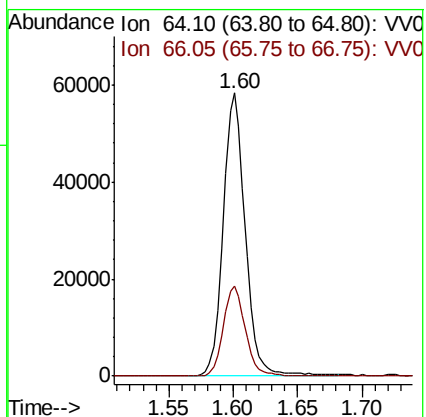
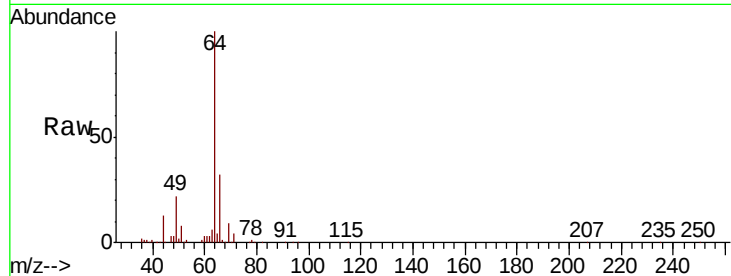
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 64 Resp: 68374

Ion Ratio Lower Upper

64 100

66 32.0 22.2 41.2



#9

Trichlorofluoromethane

Concen: 5.128 ug/L

RT: 1.77 min Scan# 274

Delta R.T. 0.00 min

Lab File: VV007249.D

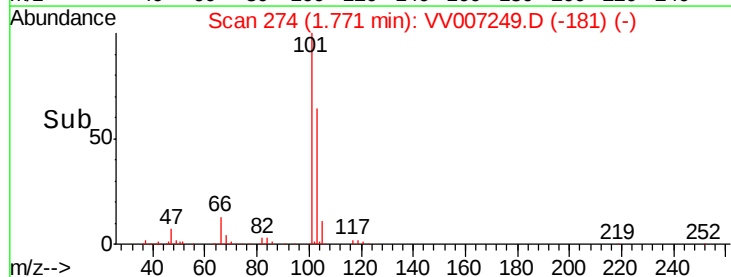
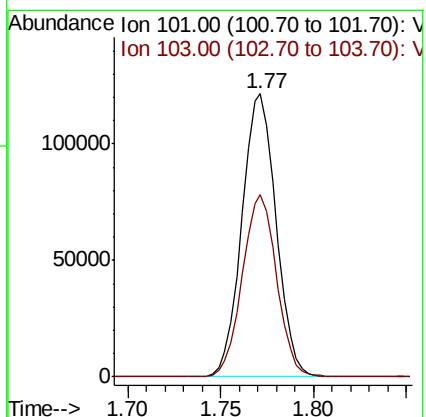
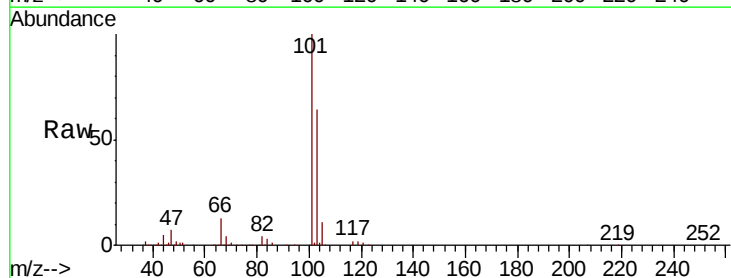
Acq: 29 Aug 2018 10:17

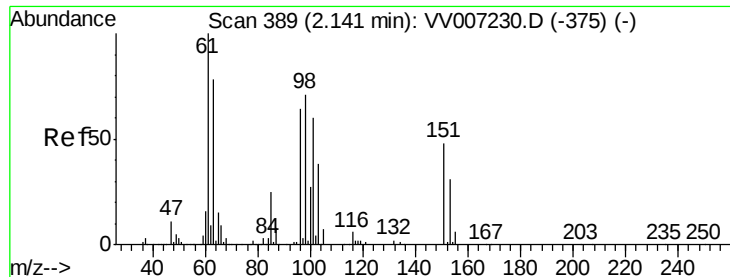
Tgt Ion:101 Resp: 155628

Ion Ratio Lower Upper

101 100

103 64.6 51.9 77.9





#10

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

Concen: 5.223 ug/L

RT: 2.14 min Scan# 389

Delta R.T. 0.00 min

Lab File: VV007249.D

Acq: 29 Aug 2018 10:17

Instrument :

MSVOA_V

ClientSampleId :

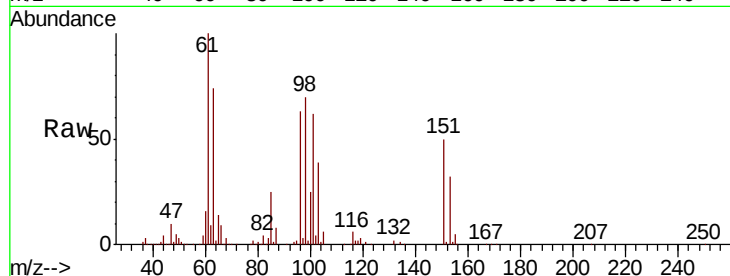
Tot Ion:101 Resp: 99595

Ion Ratio Lower Upper

101 100

85 40.9 33.2 49.8

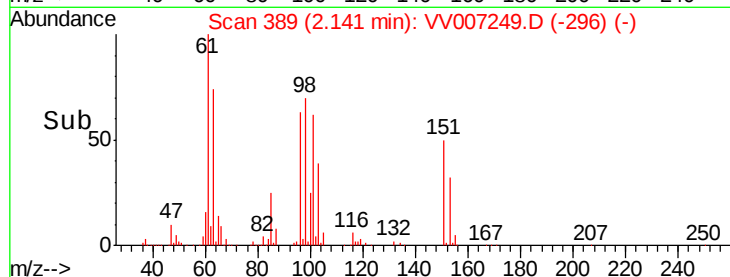
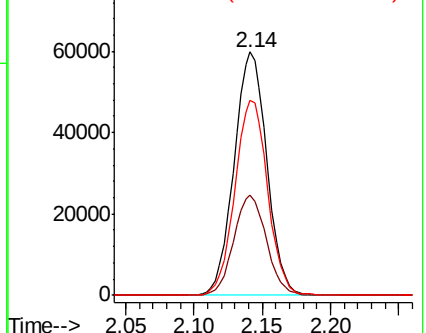
151 80.1 63.8 95.8



Abundance Ion 101.00 (100.70 to 101.70): VV007230.D (-375) (-)

Ion 85.00 (84.70 to 85.70): VV007230.D (-375) (-)

Ion 151.00 (150.70 to 151.70): VV007230.D (-375) (-)



#12

1,1-Dichloroethene

Concen: 5.124 ug/L

RT: 2.14 min Scan# 390

Delta R.T. 0.00 min

Lab File: VV007249.D

Acq: 29 Aug 2018 10:17

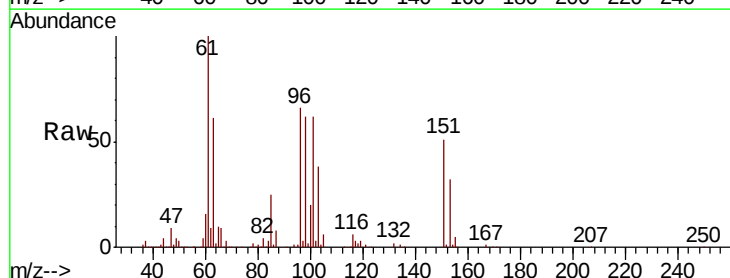
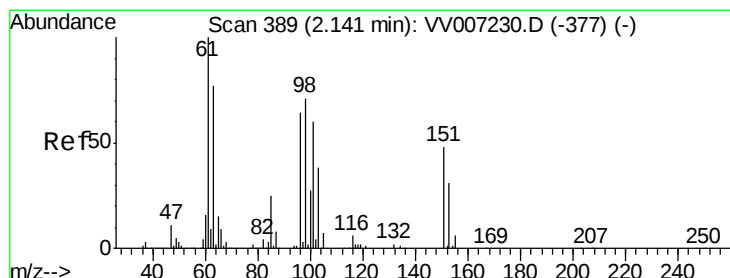
Tgt Ion: 96 Resp: 87267

Ion Ratio Lower Upper

96 100

61 152.6 112.3 208.5

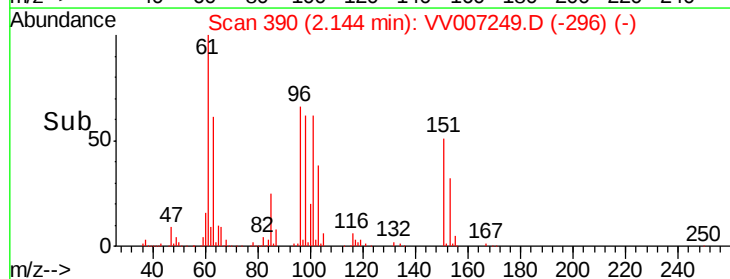
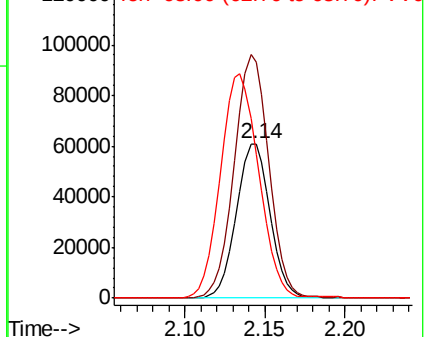
63 93.4 75.4 140.0

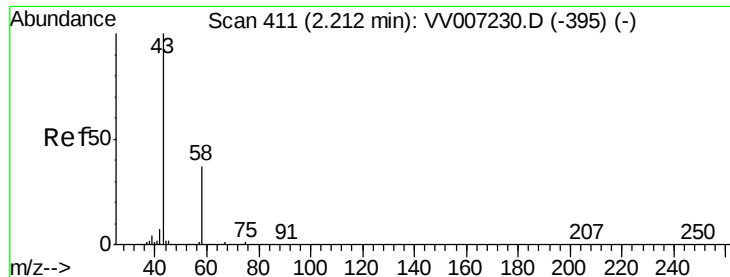


Abundance Ion 96.00 (95.70 to 96.70): VV007249.D (-296) (-)

Ion 61.05 (60.75 to 61.75): VV007249.D (-296) (-)

Ion 63.00 (62.70 to 63.70): VV007249.D (-296) (-)





#13

Acetone

Concen: 48.043 ug/L

RT: 2.20 min Scan# 408

Delta R.T. -0.01 min

Lab File: VV007249.D

Acq: 29 Aug 2018 10:17

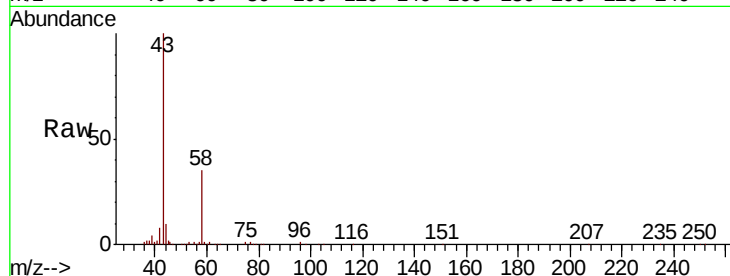
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 120179

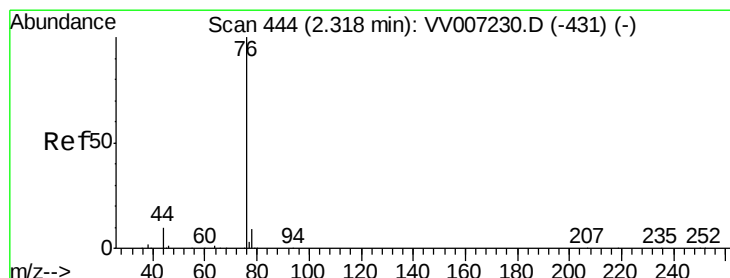
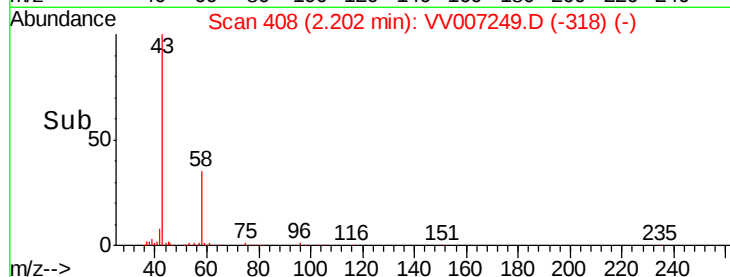
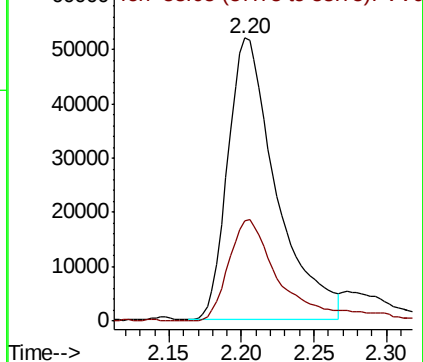
Ion Ratio Lower Upper

43 100

58 40.2 0.0 70.2



Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0



#14

Carbon disulfide

Concen: 4.858 ug/L

RT: 2.32 min Scan# 444

Delta R.T. 0.00 min

Lab File: VV007249.D

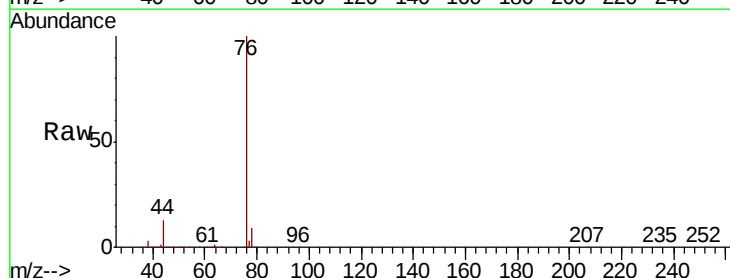
Acq: 29 Aug 2018 10:17

Tgt Ion: 76 Resp: 243940

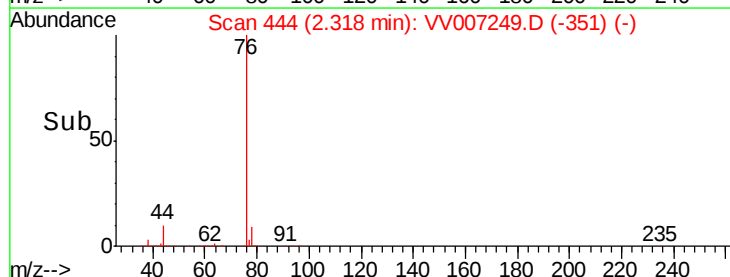
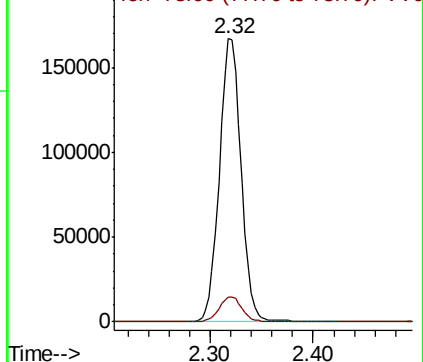
Ion Ratio Lower Upper

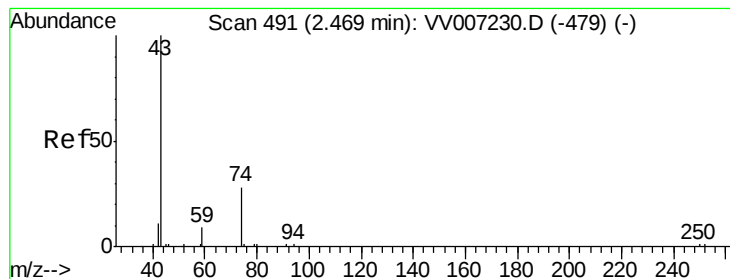
76 100

78 8.9 7.2 10.8



Abundance Ion 76.05 (75.75 to 76.75): VV0
Ion 78.00 (77.70 to 78.70): VV0





#15

Methvl Acetate

Concen: 4.745 ug/L

RT: 2.47 min Scan# 490

Delta R.T. -0.00 min

Lab File: VV007249.D

Acq: 29 Aug 2018 10:17

Instrument :

MSVOA_V

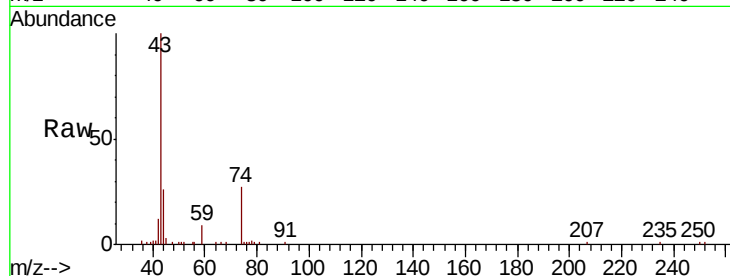
ClientSampleId :

Tot Ion: 43 Resp: 31478

Ion Ratio Lower Upper

43 100

74 28.8 22.2 33.2



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 74.05 (73.75 to 74.75): VV0

2.47

15000

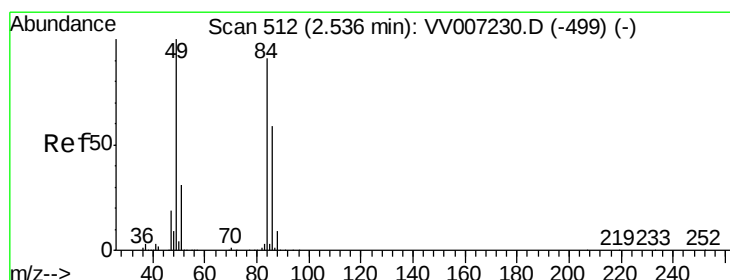
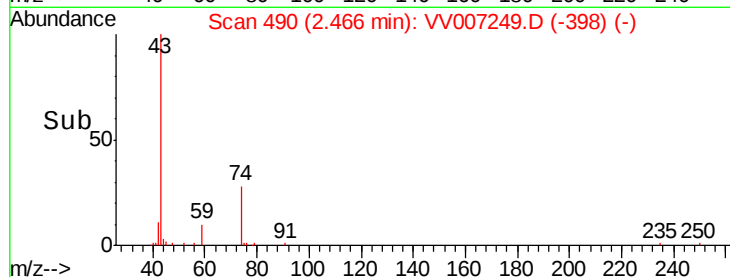
10000

5000

0

2.40 2.45 2.50 2.55

Time-->



#16

Methylene chloride

Concen: 4.806 ug/L

RT: 2.54 min Scan# 512

Delta R.T. 0.00 min

Lab File: VV007249.D

Acq: 29 Aug 2018 10:17

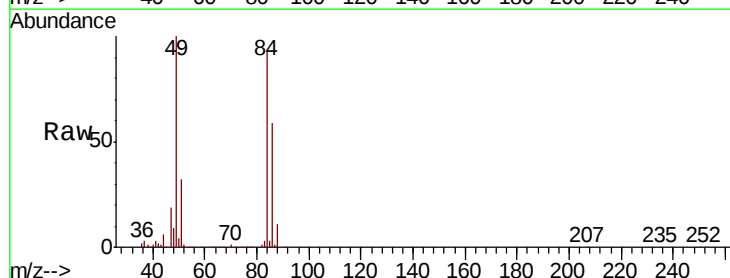
Tgt Ion: 84 Resp: 99230

Ion Ratio Lower Upper

84 100

86 63.1 46.3 85.9

49 107.0 75.2 139.6



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

2.54

80000

60000

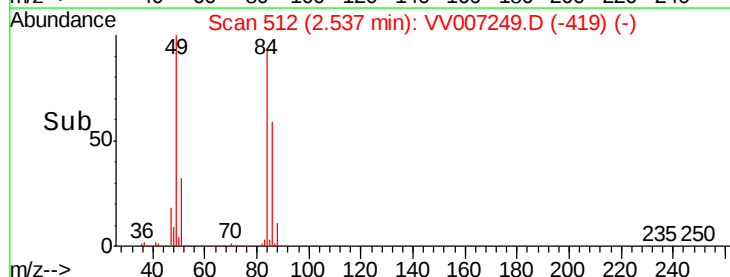
40000

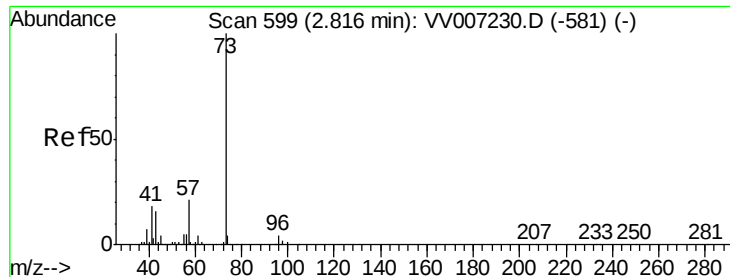
20000

0

2.45 2.50 2.55 2.60

Time-->

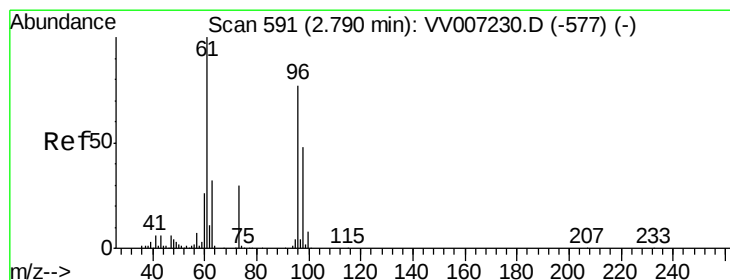
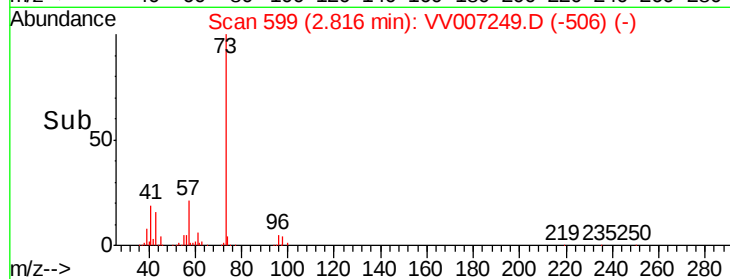
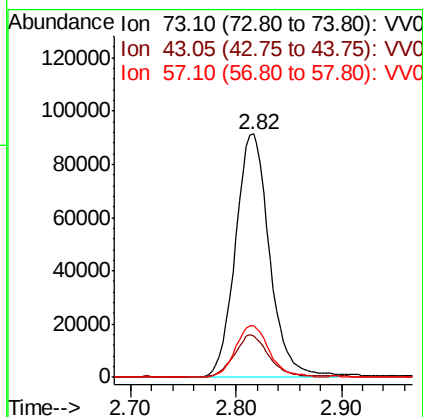
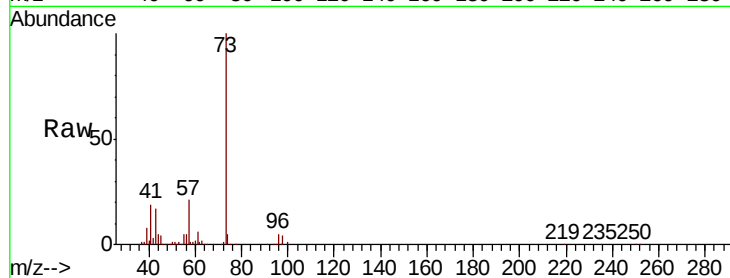




#17
Methvl tert-butvl Ether
Concen: 4.679 ug/L
RT: 2.82 min Scan# 599
Delta R.T. 0.00 min
Lab File: VV007249.D
Acq: 29 Aug 2018 10:17

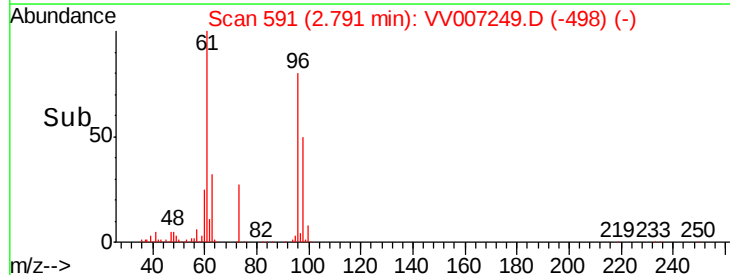
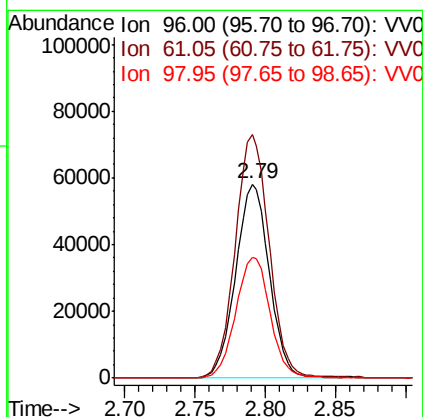
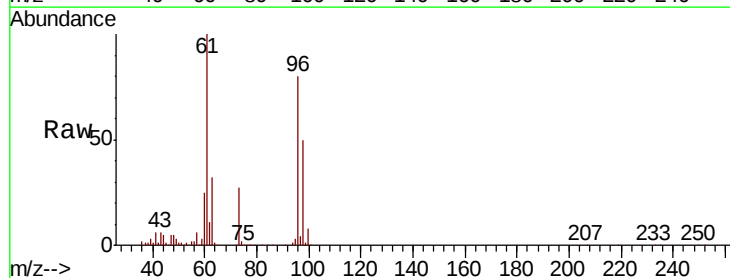
Instrument :
MSVOA_V
ClientSampleId :

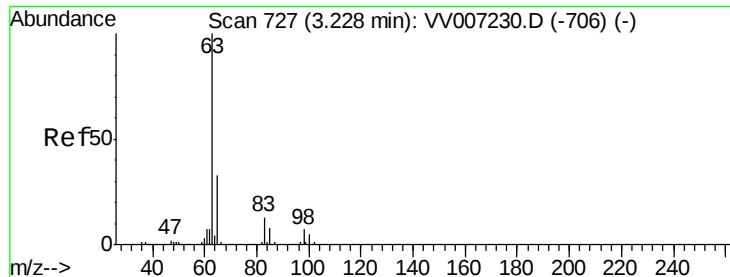
Tot Ion	Ratio	Lower	Upper
73	100		
43	17.3	13.8	20.6
57	21.4	16.9	25.3



#18
trans-1,2-Dichloroethene
Concen: 5.137 ug/L
RT: 2.79 min Scan# 591
Delta R.T. 0.00 min
Lab File: VV007249.D
Acq: 29 Aug 2018 10:17

Tgt Ion	Ratio	Lower	Upper
96	100		
61	125.5	92.7	172.1
98	62.5	43.2	80.2

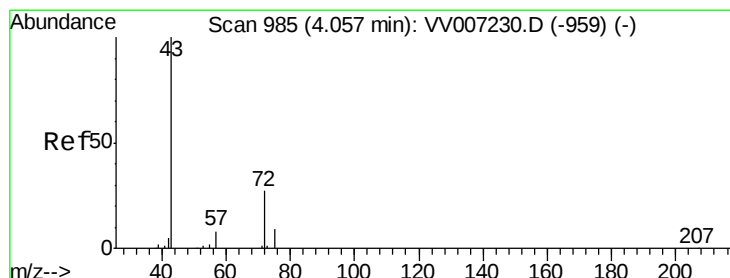
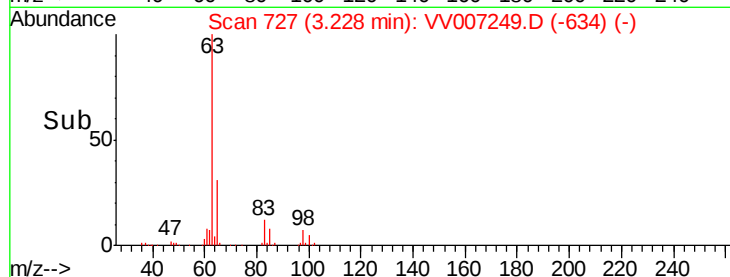
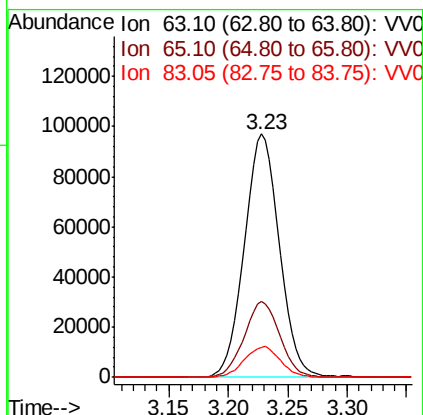
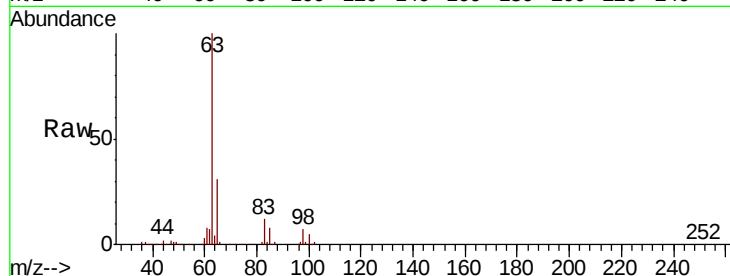




#19
 1,1-Dichloroethane
 Concen: 5.123 ug/L
 RT: 3.23 min Scan# 727
 Delta R.T. 0.00 min
 Lab File: VV007249.D
 Acq: 29 Aug 2018 10:17

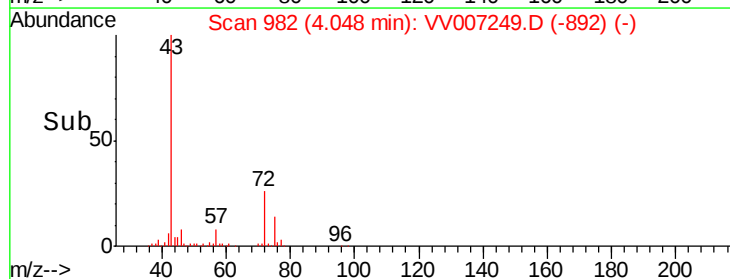
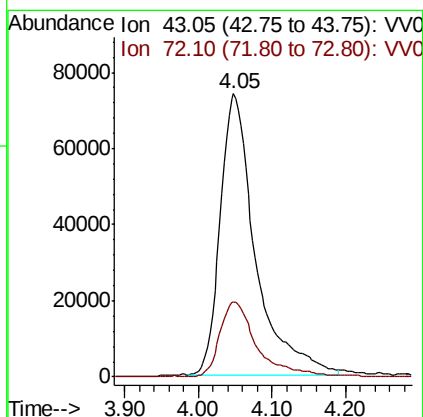
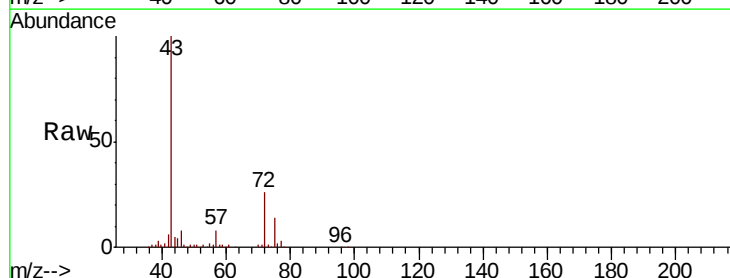
Instrument :
 MSVOA_V
 ClientSampleId :

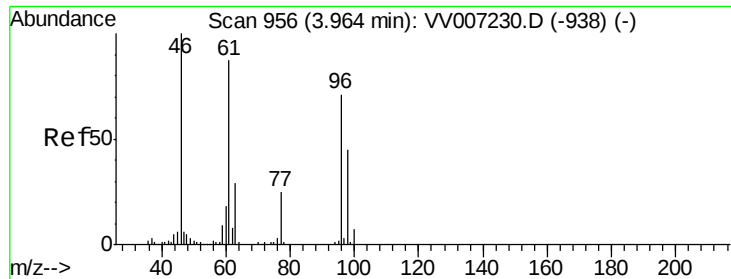
Tot Ion: 63 Resp: 197854
 Ion Ratio Lower Upper
 63 100
 65 31.0 21.8 40.4
 83 12.5 9.4 17.4



#21
 2-Butanone
 Concen: 47.032 ug/L
 RT: 4.05 min Scan# 982
 Delta R.T. -0.01 min
 Lab File: VV007249.D
 Acq: 29 Aug 2018 10:17

Tgt Ion: 43 Resp: 244642
 Ion Ratio Lower Upper
 43 100
 72 27.6 12.4 37.0



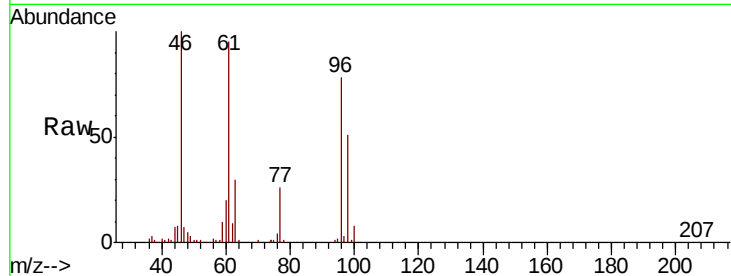


#22

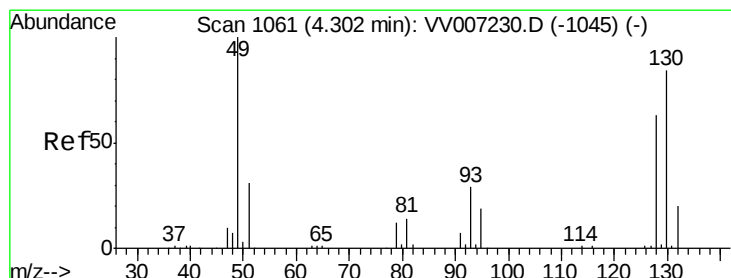
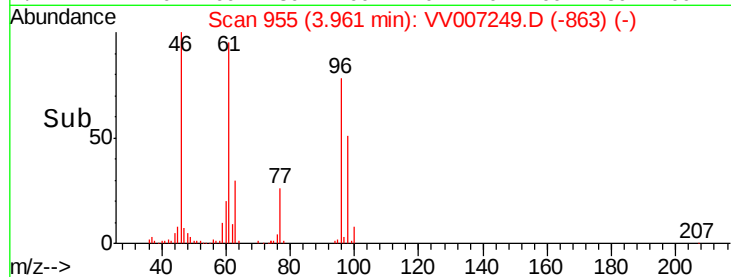
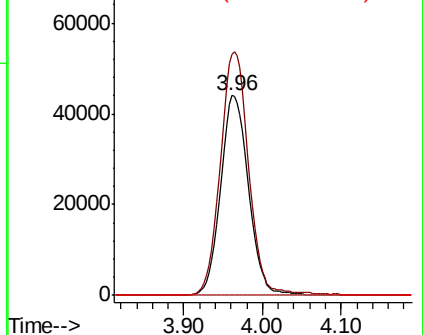
cis-1,2-Dichloroethene
 Concen: 4.943 ug/L
 RT: 3.96 min Scan# 955
 Delta R.T. -0.00 min
 Lab File: VV007249.D
 Acq: 29 Aug 2018 10:17

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 96 Resp: 107659
 Ion Ratio Lower Upper
 96 100
 61 120.9 87.1 161.7
 68 0.0 0.0 0.0



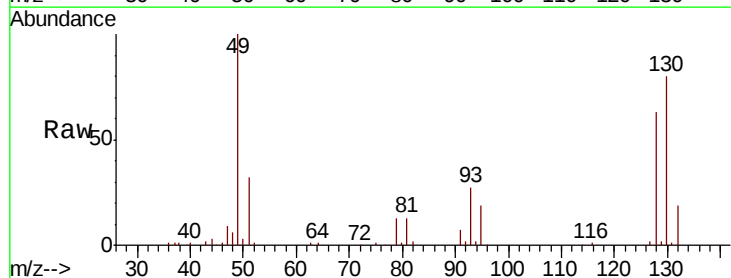
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0



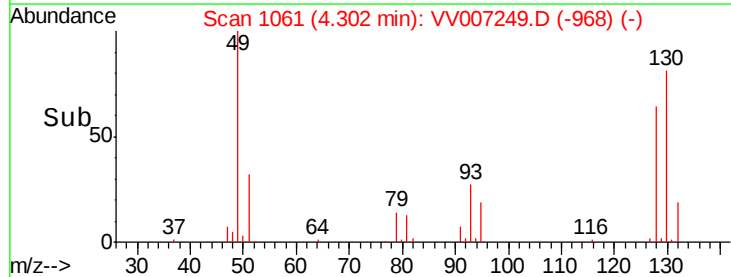
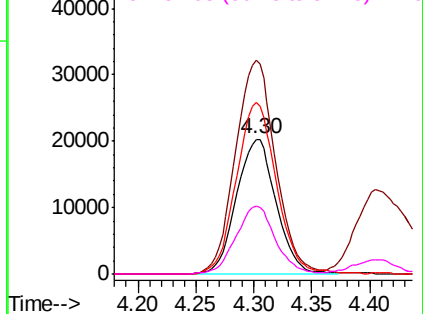
#23

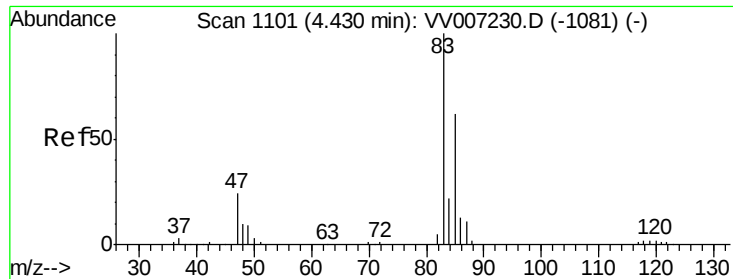
Bromochloromethane
 Concen: 4.885 ug/L
 RT: 4.30 min Scan# 1061
 Delta R.T. 0.00 min
 Lab File: VV007249.D
 Acq: 29 Aug 2018 10:17

Tgt Ion: 128 Resp: 48179
 Ion Ratio Lower Upper
 128 100
 49 158.5 111.1 206.3
 130 127.1 90.0 167.2
 51 50.2 39.6 59.4



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

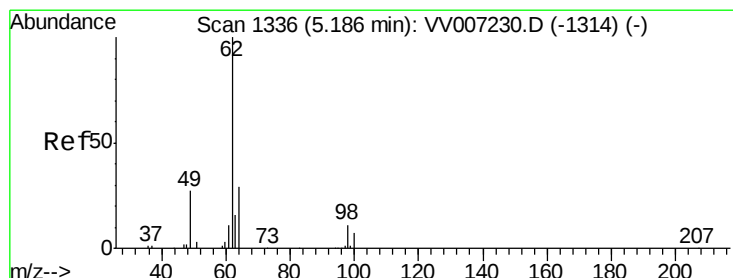
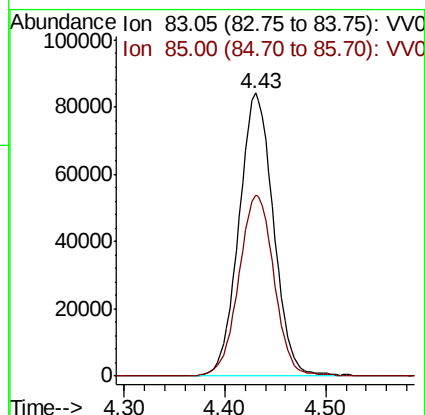
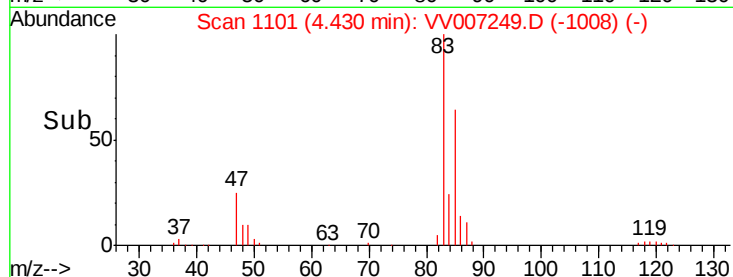
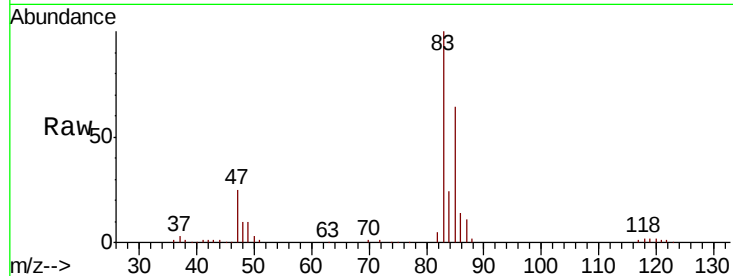




#25
 Chloroform
 Concen: 5.163 ug/L
 RT: 4.43 min Scan# 1101
 Delta R.T. 0.00 min
 Lab File: VV007249.D
 Acq: 29 Aug 2018 10:17

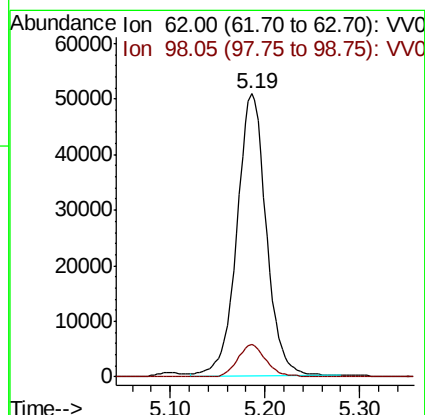
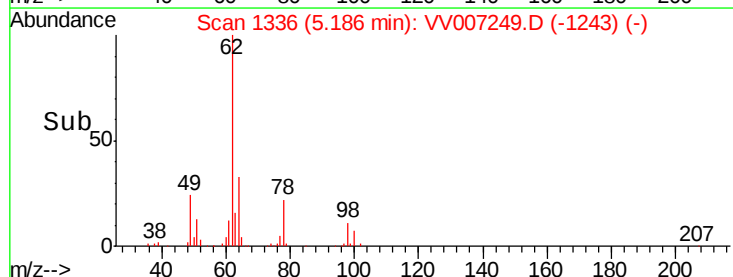
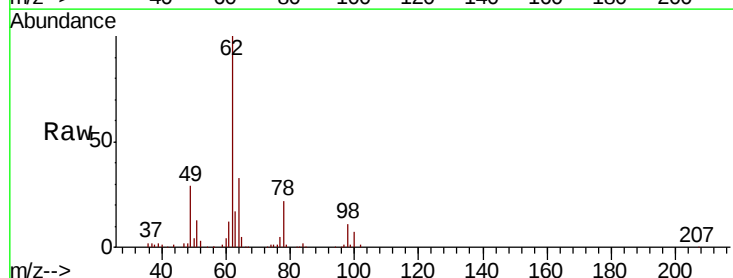
Instrument :
 MSVOA_V
 ClientSampleId :

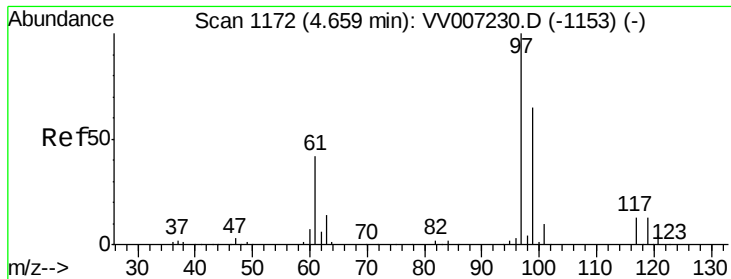
Tot Ion: 83 Resp: 199672
 Ion Ratio Lower Upper
 83 100
 85 63.8 45.0 83.6



#27
 1,2-Dichloroethane
 Concen: 4.833 ug/L
 RT: 5.19 min Scan# 1336
 Delta R.T. 0.00 min
 Lab File: VV007249.D
 Acq: 29 Aug 2018 10:17

Tgt Ion: 62 Resp: 109883
 Ion Ratio Lower Upper
 62 100
 98 11.4 8.1 12.1

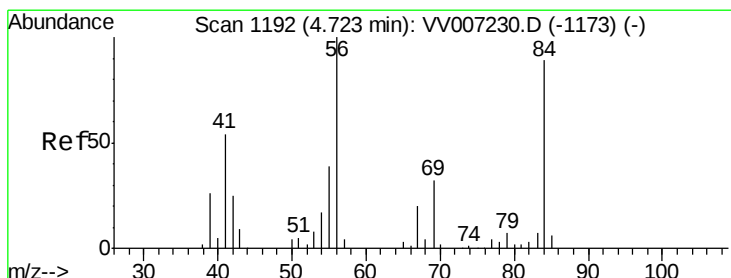
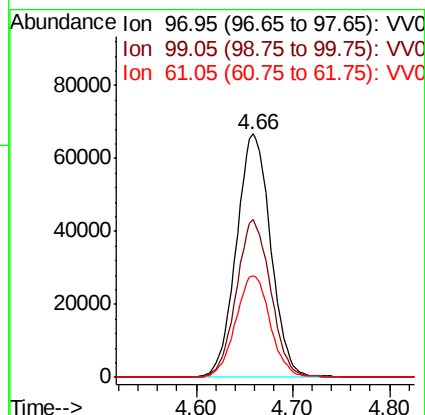
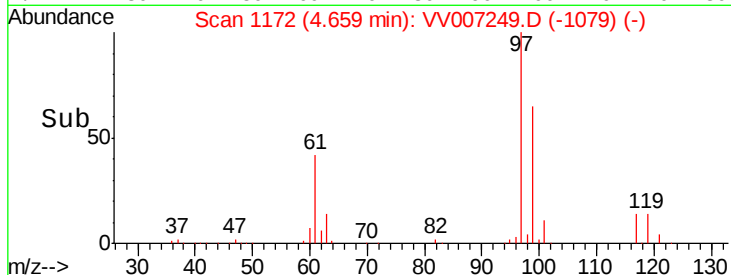
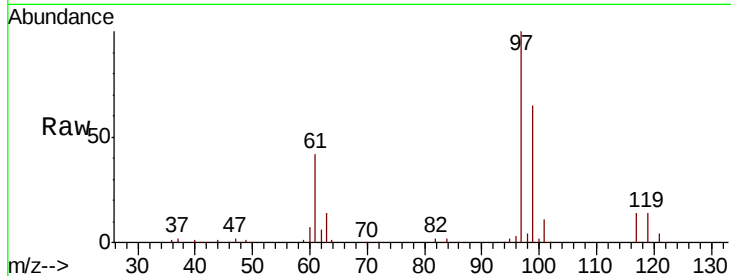




#29
 1,1,1-Trichloroethane
 Concen: 5.099 ug/L
 RT: 4.66 min Scan# 1172
 Delta R.T. 0.00 min
 Lab File: VV007249.D
 Acq: 29 Aug 2018 10:17

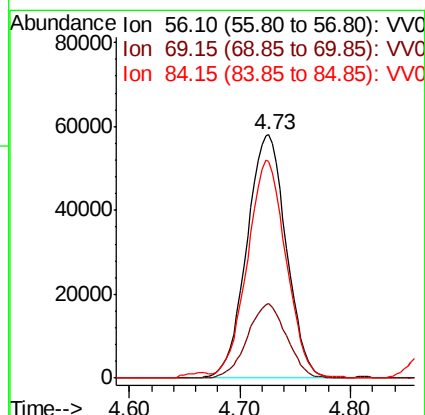
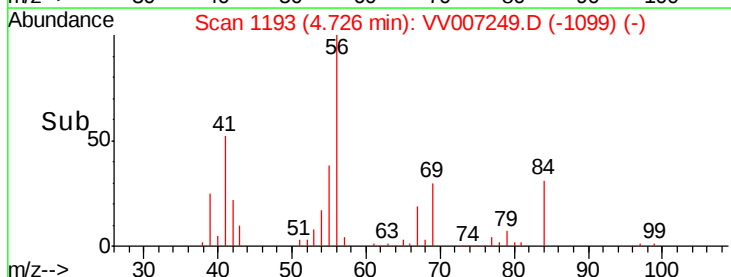
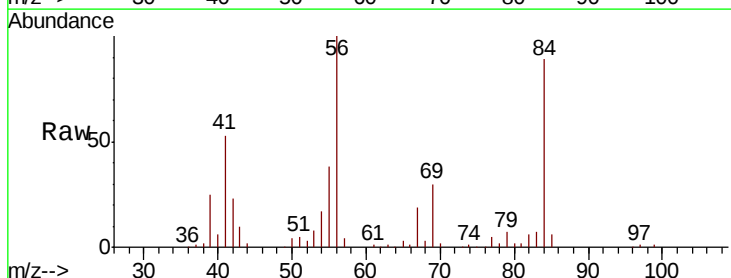
Instrument :
 MSVOA_V
 ClientSampleId :

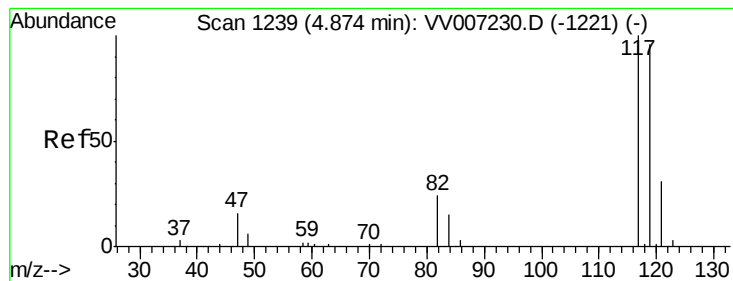
Tot Ion: 97 Resp: 164790
 Ion Ratio Lower Upper
 97 100
 99 64.6 50.8 76.2
 61 42.2 34.6 51.8



#30
 Cyclohexane
 Concen: 5.049 ug/L
 RT: 4.73 min Scan# 1193
 Delta R.T. 0.00 min
 Lab File: VV007249.D
 Acq: 29 Aug 2018 10:17

Tgt Ion: 56 Resp: 143605
 Ion Ratio Lower Upper
 56 100
 69 30.3 24.8 37.2
 84 88.3 72.9 109.3





#31

Carbon tetrachloride

Concen: 5.152 ug/L

RT: 4.87 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VV007249.D

Acq: 29 Aug 2018 10:17

Instrument :

MSVOA_V

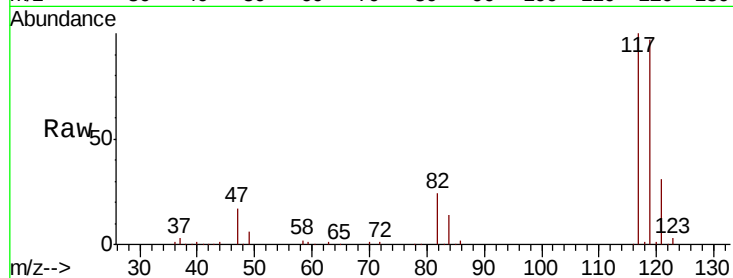
ClientSampleId :

Tot Ion:117 Resp: 141041

Ion Ratio Lower Upper

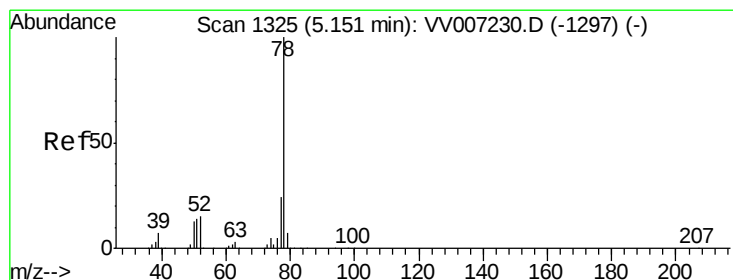
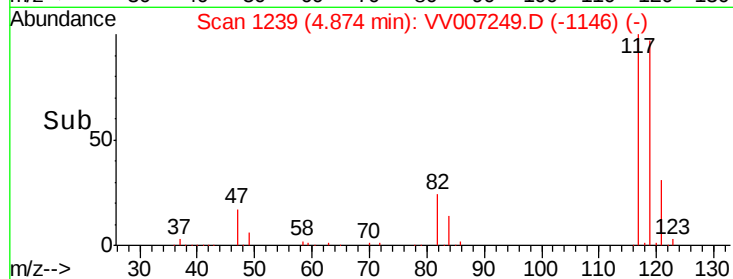
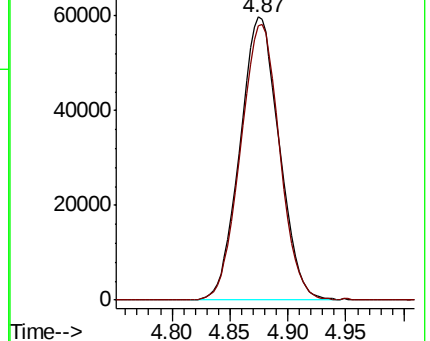
117 100

119 96.6 77.2 115.8



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.222 ug/L

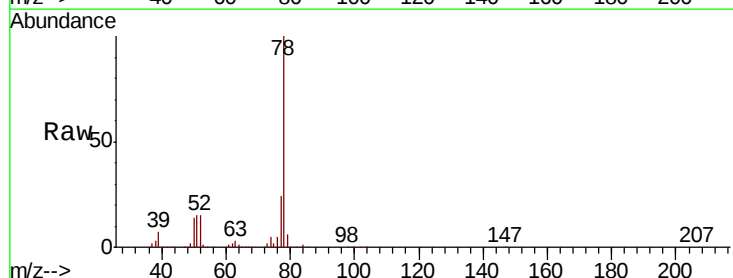
RT: 5.15 min Scan# 1325

Delta R.T. 0.00 min

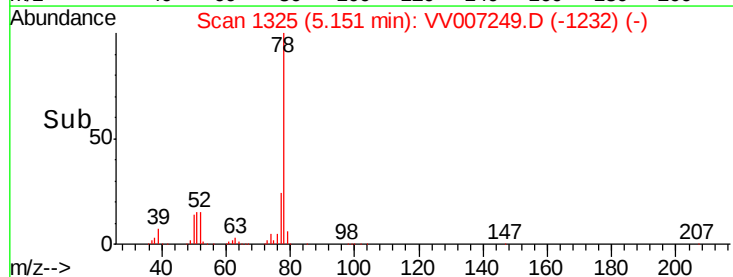
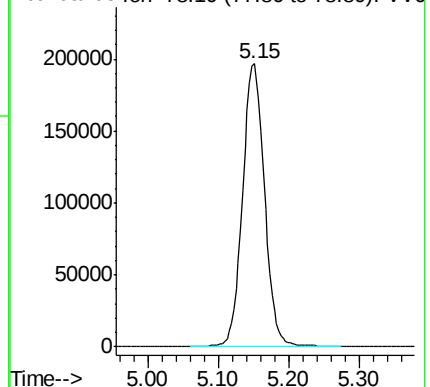
Lab File: VV007249.D

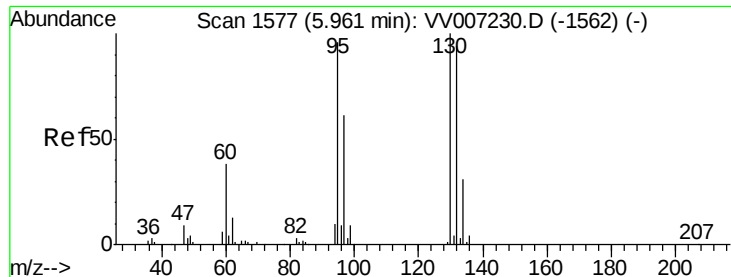
Acq: 29 Aug 2018 10:17

Tgt Ion: 78 Resp: 429044



Abundance Ion 78.10 (77.80 to 78.80): VV0

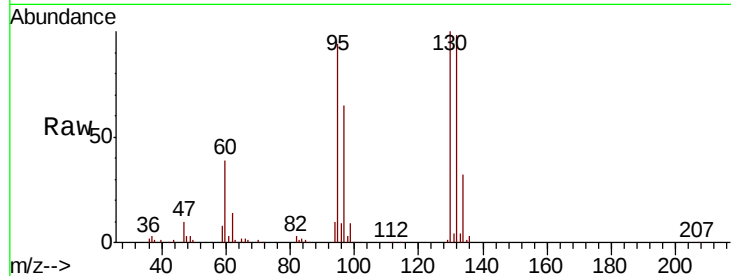




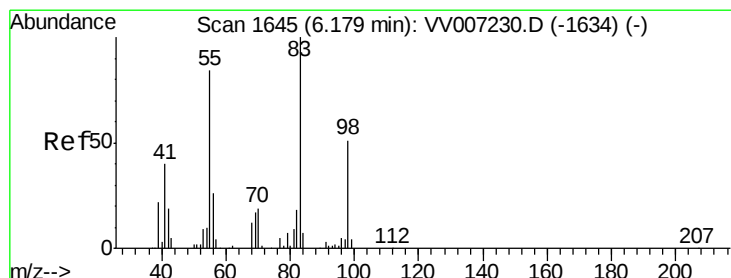
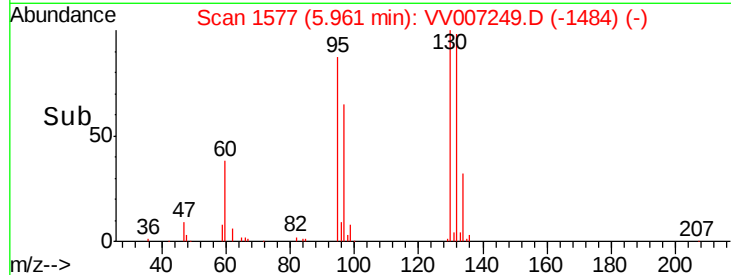
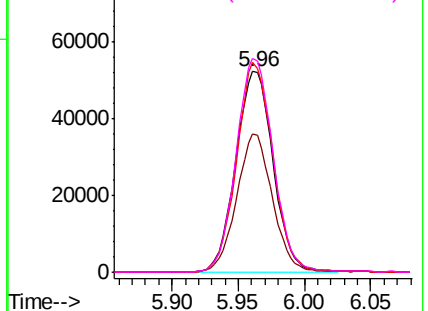
#34
 Trichloroethene
 Concen: 4.969 ug/L
 RT: 5.96 min Scan# 1577
 Delta R.T. 0.00 min
 Lab File: VV007249.D
 Acq: 29 Aug 2018 10:17

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:	95	Resp:	102975
Ion	Ratio	Lower	Upper
95	100		
97	68.9	44.2	82.2
132	104.3	71.3	132.3
130	106.4	72.8	135.2

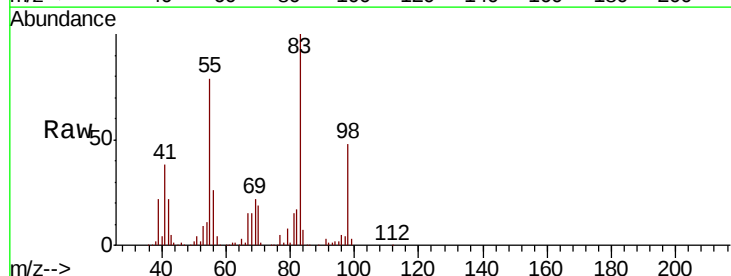


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 96.95 (96.65 to 97.65): VV0
 Ion 131.95 (131.65 to 132.65): VV0
 Ion 129.95 (129.65 to 130.65): VV0

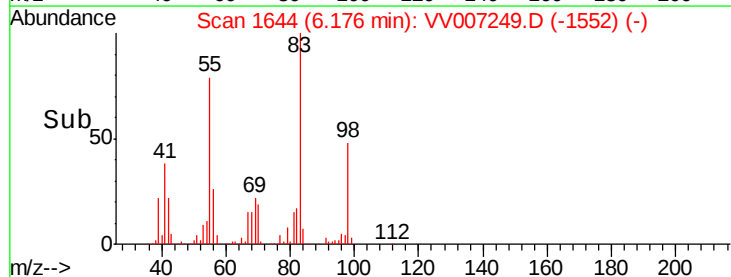
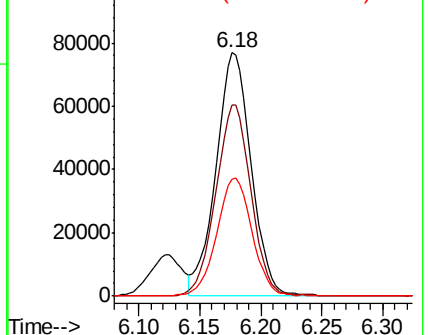


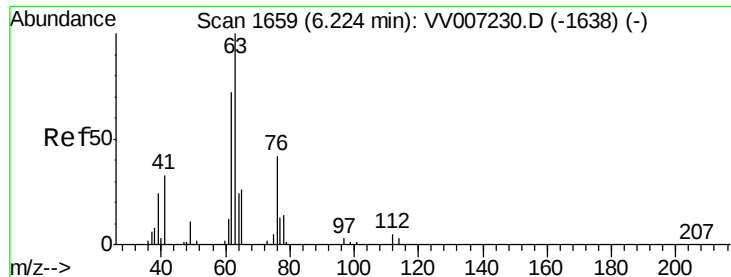
#35
 Methylcyclohexane
 Concen: 5.116 ug/L
 RT: 6.18 min Scan# 1644
 Delta R.T. -0.00 min
 Lab File: VV007249.D
 Acq: 29 Aug 2018 10:17

Tgt Ion:	83	Resp:	155052
Ion	Ratio	Lower	Upper
83	100		
55	78.8	64.0	96.0
98	48.7	38.8	58.2



Abundance Ion 83.15 (82.85 to 83.85): VV0
 Ion 55.10 (54.80 to 55.80): VV0
 Ion 98.15 (97.85 to 98.85): VV0





#37

1,2-Dichloropropane

Concen: 5.223 ug/L

RT: 6.22 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VV007249.D

Acq: 29 Aug 2018 10:17

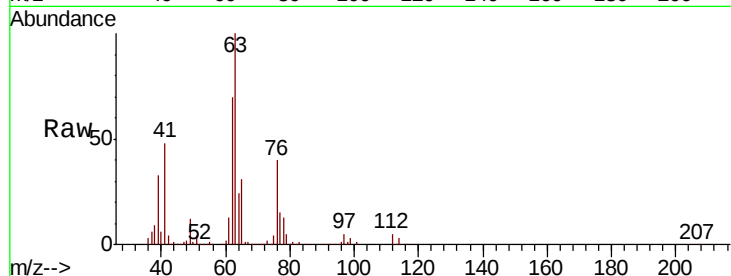
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 63 Resp: 113891

Ion Ratio Lower Upper

63 100

112 4.9 3.9 5.9



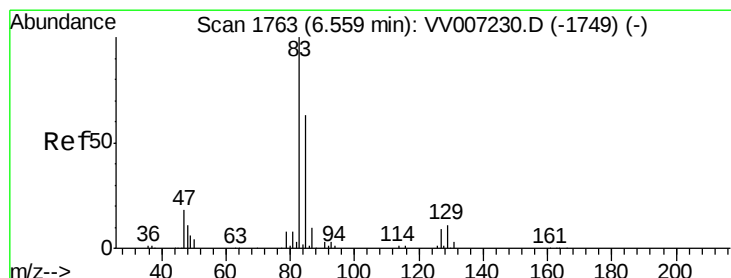
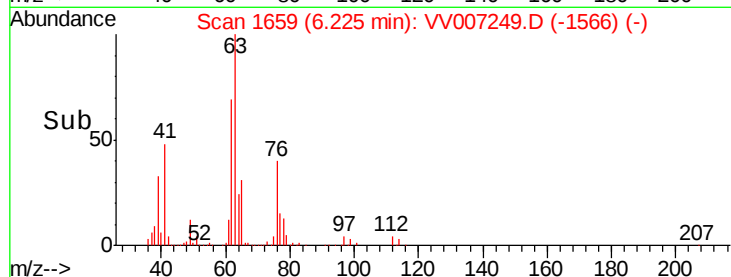
Abundance Ion 63.10 (62.80 to 63.80): VV007230.D (-1638) (-)

Ion 112.10 (111.80 to 112.80): VV007230.D (-1638) (-)

6.22

6.10 6.20 6.30

Time-->



#38

Bromodichloromethane

Concen: 5.147 ug/L

RT: 6.56 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VV007249.D

Acq: 29 Aug 2018 10:17

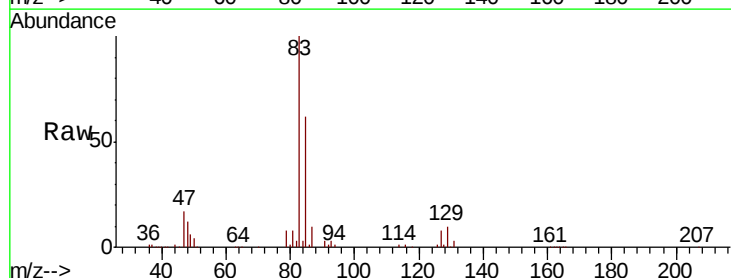
Tgt Ion: 83 Resp: 134588

Ion Ratio Lower Upper

83 100

85 62.4 46.5 86.5

127 8.3 6.6 10.0



Abundance Ion 82.95 (82.65 to 83.65): VV007230.D (-1749) (-)

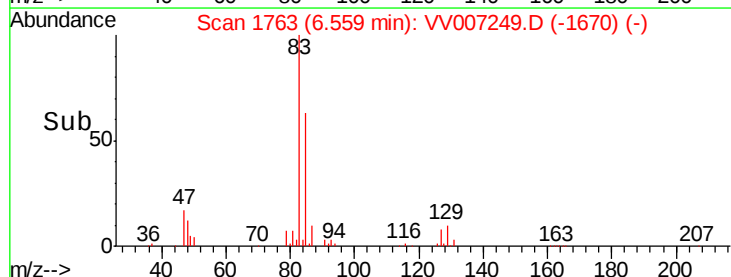
Ion 85.00 (84.70 to 85.70): VV007230.D (-1749) (-)

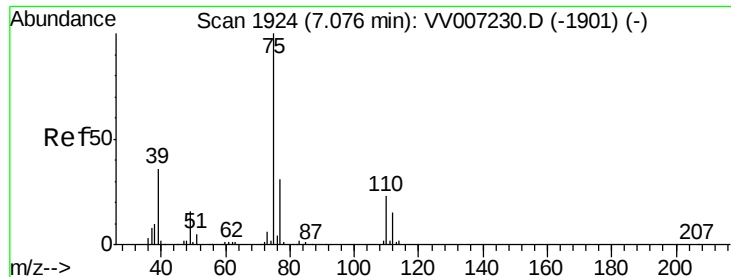
Ion 126.90 (126.60 to 127.60): VV007230.D (-1749) (-)

6.56

6.50 6.60 6.70

Time-->

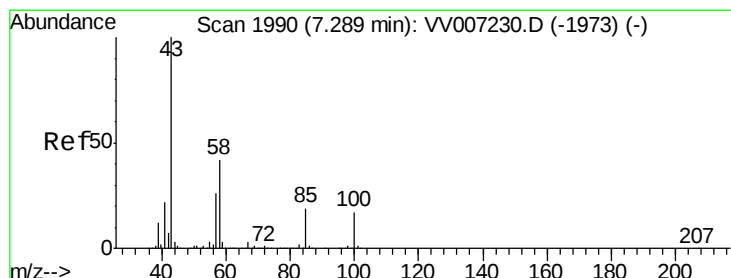
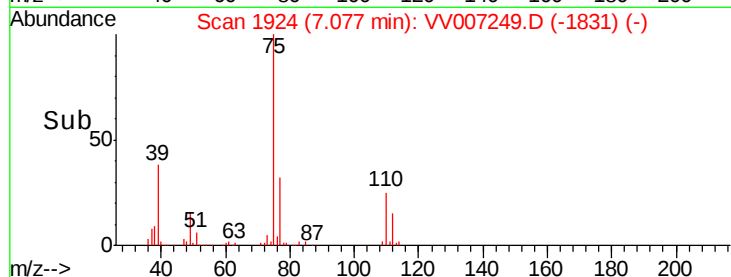
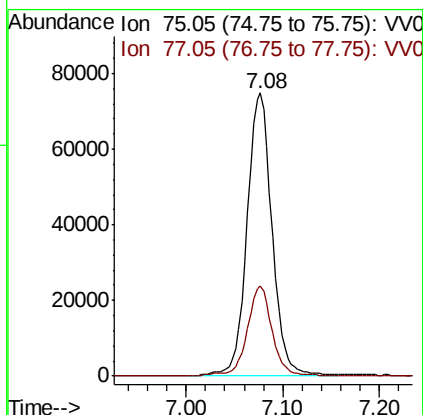
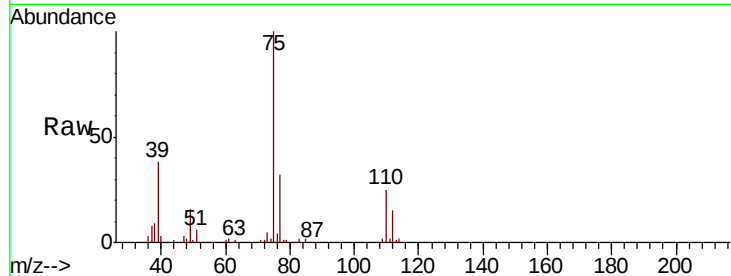




#39
 cis-1,3-Dichloropropene
 Concen: 4.990 ug/L
 RT: 7.08 min Scan# 1924
 Delta R.T. 0.00 min
 Lab File: VV007249.D
 Acq: 29 Aug 2018 10:17

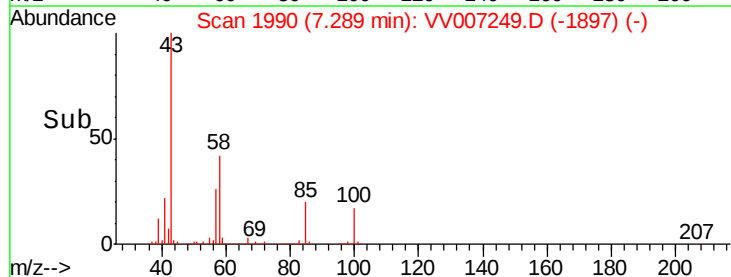
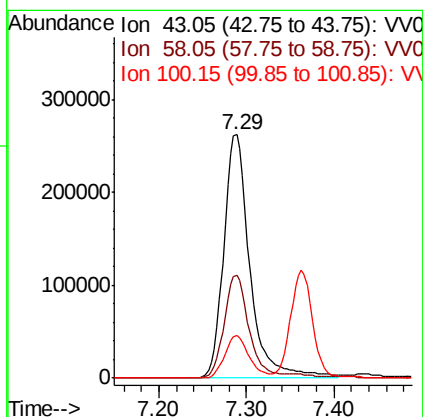
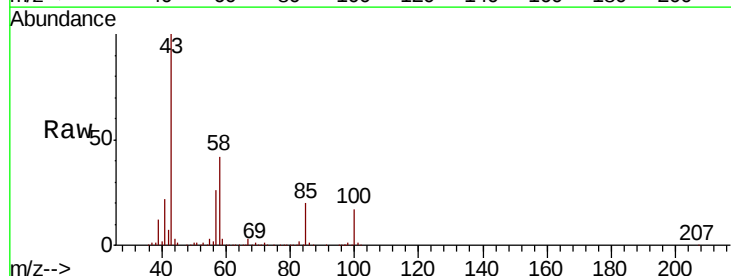
Instrument :
 MSVOA_V
 ClientSampleId :

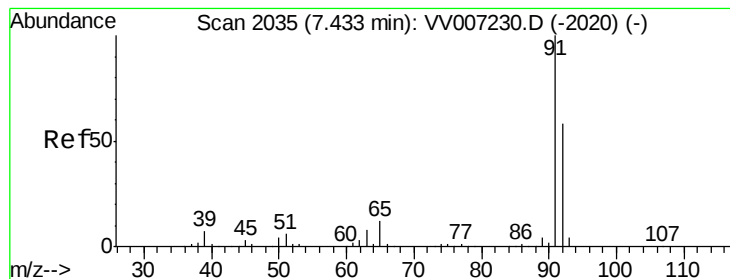
Tot Ion: 75 Resp: 134996
 Ion Ratio Lower Upper
 75 100
 77 31.9 22.2 41.2



#40
 4-Methyl-2-pentanone
 Concen: 47.715 ug/L
 RT: 7.29 min Scan# 1990
 Delta R.T. 0.00 min
 Lab File: VV007249.D
 Acq: 29 Aug 2018 10:17

Tgt Ion: 43 Resp: 544984
 Ion Ratio Lower Upper
 43 100
 58 40.4 33.8 50.8
 100 16.3 13.1 19.7





#42

Toluene

Concen: 5.373 ug/L

RT: 7.43 min Scan# 2035

Delta R.T. 0.00 min

Lab File: VV007249.D

Acq: 29 Aug 2018 10:17

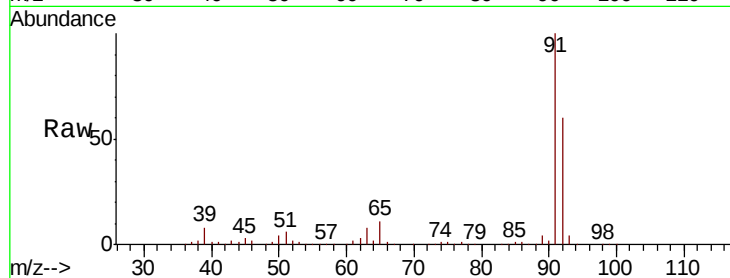
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 433469

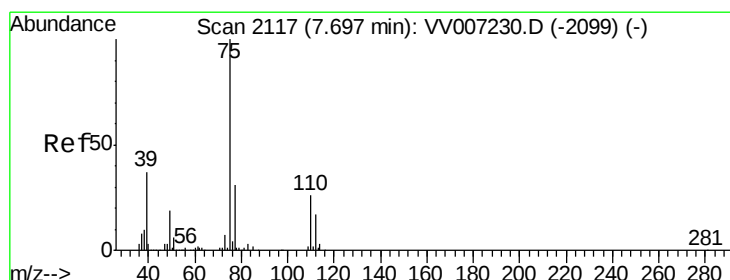
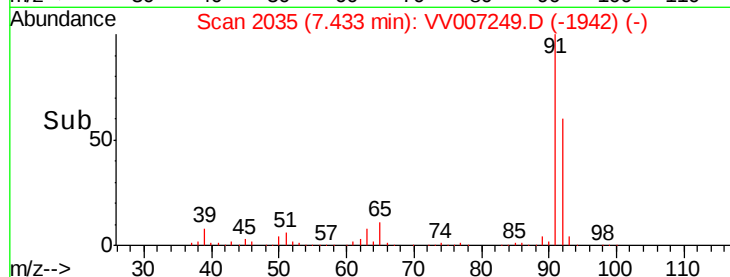
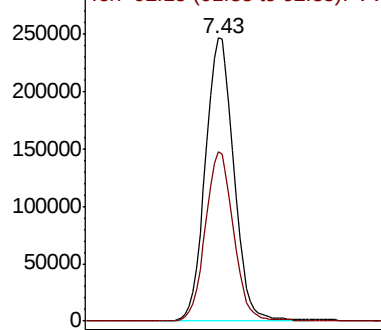
Ion Ratio Lower Upper

91 100

92 60.0 41.1 76.3



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: 4.944 ug/L

RT: 7.70 min Scan# 2117

Delta R.T. 0.00 min

Lab File: VV007249.D

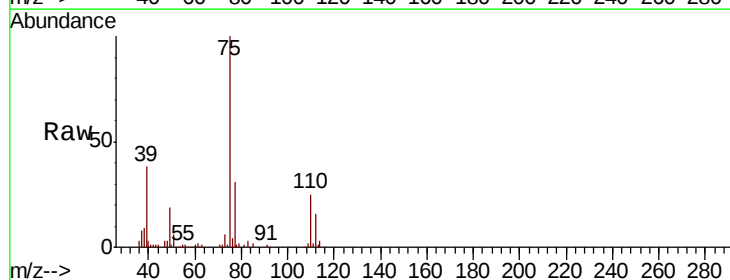
Acq: 29 Aug 2018 10:17

Tgt Ion: 75 Resp: 111549

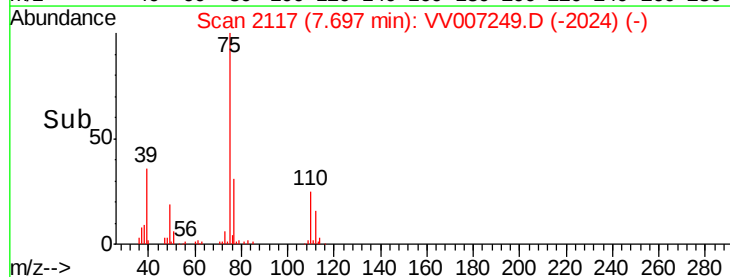
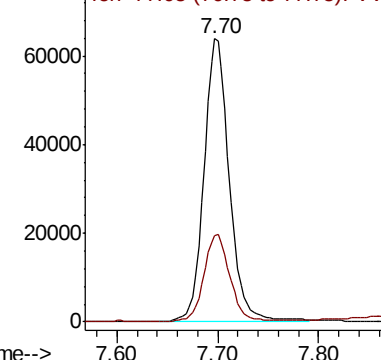
Ion Ratio Lower Upper

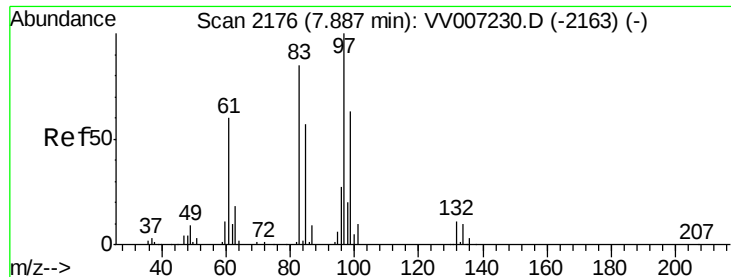
75 100

77 30.7 22.5 41.9



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

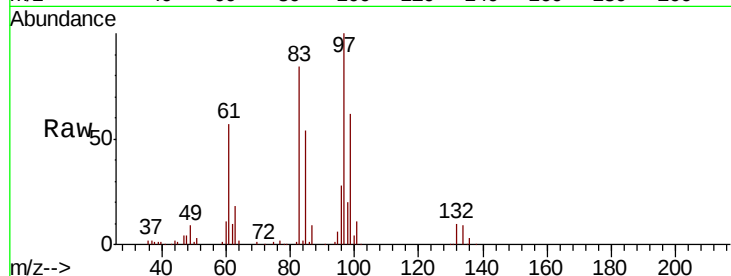




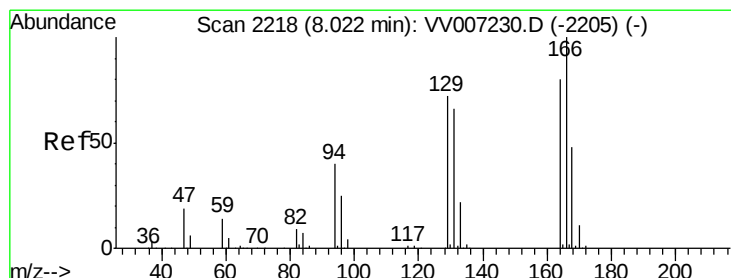
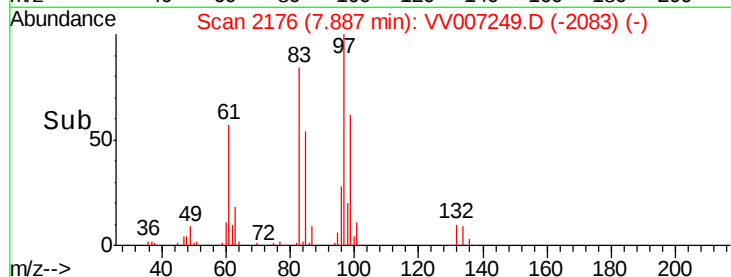
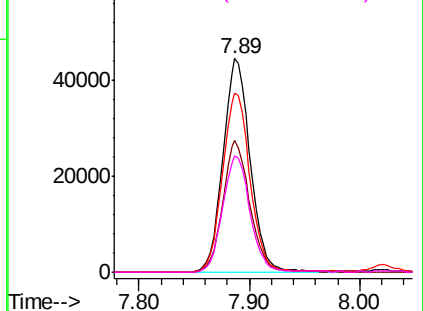
#45
 1,1,2-Trichloroethane
 Concen: 4.853 ug/L
 RT: 7.89 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VV007249.D
 Acq: 29 Aug 2018 10:17

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:	97	Resp:	76303
Ion	Ratio	Lower	Upper
97	100		
99	61.7	42.6	79.0
83	84.1	57.3	106.3
85	54.5	38.3	71.1

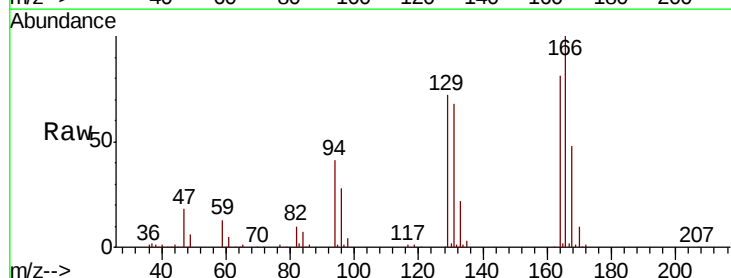


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 82.95 (82.65 to 83.65): VV0
 Ion 85.00 (84.70 to 85.70): VV0

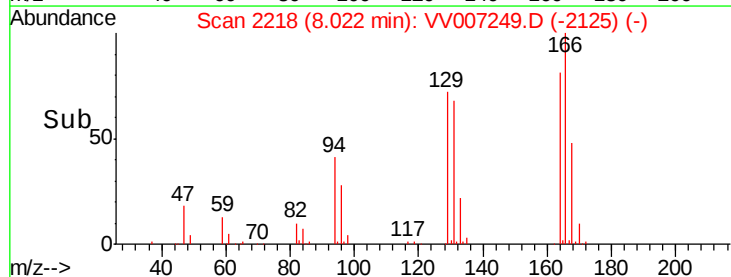
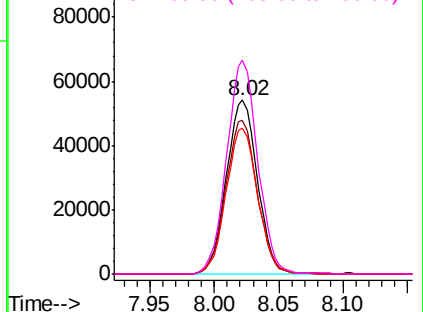


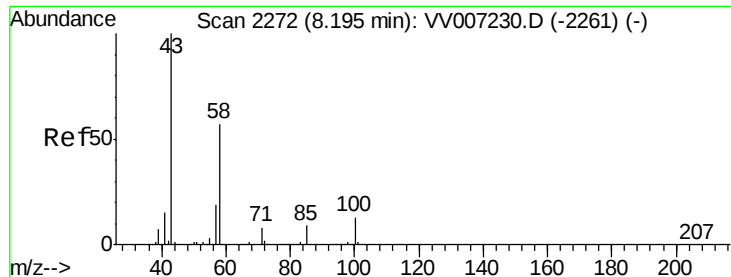
#47
 Tetrachloroethene
 Concen: 5.317 ug/L
 RT: 8.02 min Scan# 2218
 Delta R.T. 0.00 min
 Lab File: VV007249.D
 Acq: 29 Aug 2018 10:17

Tgt Ion:	164	Resp:	91067
Ion	Ratio	Lower	Upper
164	100		
129	88.7	62.7	116.5
131	84.0	60.1	111.7
166	122.8	86.4	160.4



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

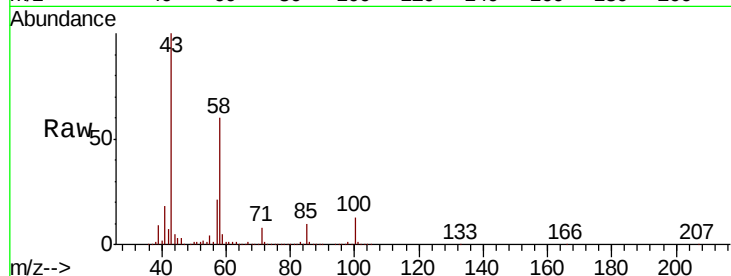




#48
2-Hexanone
Concen: 51.981 ug/L
RT: 8.20 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VV007249.D
Acq: 29 Aug 2018 10:17

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
43	100		
58	59.7	50.0	75.0
57	19.0	16.6	25.0
100	12.4	10.2	15.4

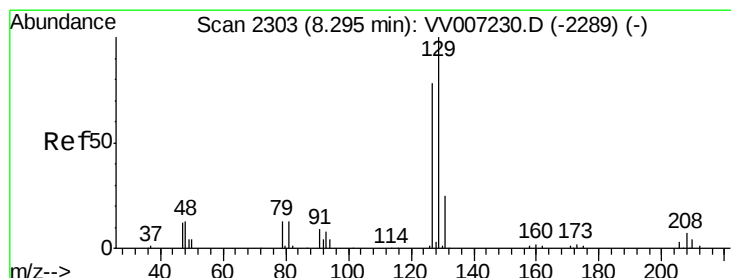
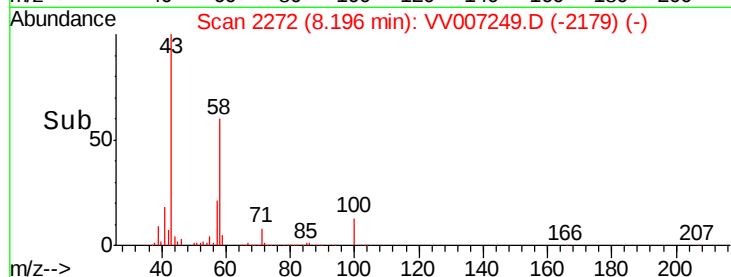
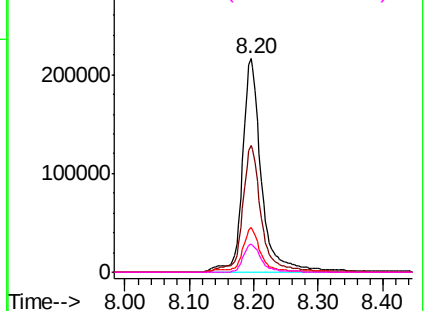


Abundance Ion 43.05 (42.75 to 43.75): VV007230.D (-2261) (-)

Ion 58.05 (57.75 to 58.75): VV007230.D (-2261) (-)

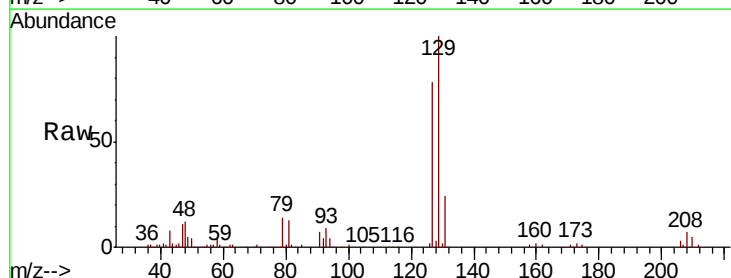
Ion 57.20 (56.90 to 57.90): VV007230.D (-2261) (-)

Ion 100.15 (99.85 to 100.85): VV007230.D (-2261) (-)



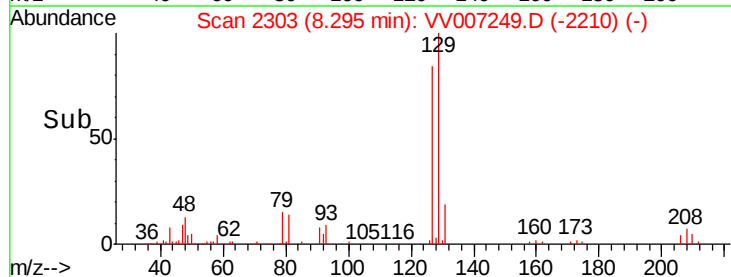
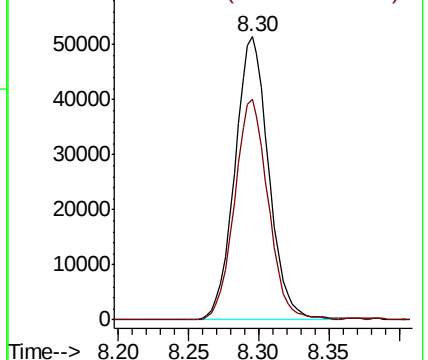
#49
Dibromochloromethane
Concen: 4.898 ug/L
RT: 8.30 min Scan# 2303
Delta R.T. 0.00 min
Lab File: VV007249.D
Acq: 29 Aug 2018 10:17

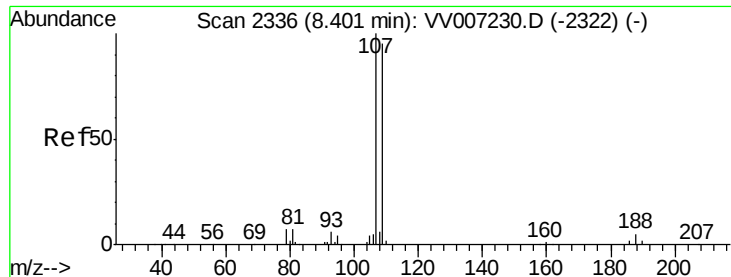
Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.1	54.9	101.9



Abundance Ion 128.95 (128.65 to 129.65): VV007230.D (-2289) (-)

Ion 126.90 (126.60 to 127.60): VV007230.D (-2289) (-)





#50

1,2-Dibromoethane

Concen: 4.885 ug/L

RT: 8.40 min Scan# 2336

Delta R.T. 0.00 min

Lab File: VV007249.D

Acq: 29 Aug 2018 10:17

Instrument :

MSVOA_V

ClientSampleId :

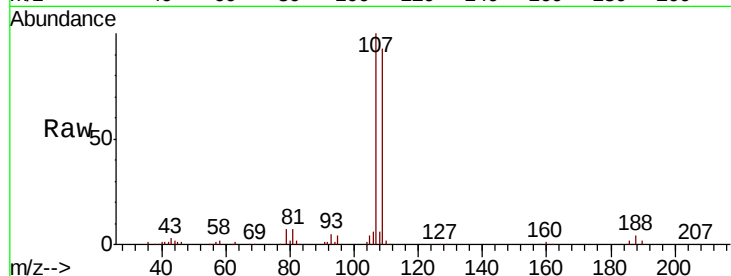
Tot Ion:107 Resp: 65647

Ion Ratio Lower Upper

107 100

109 92.7 65.9 122.3

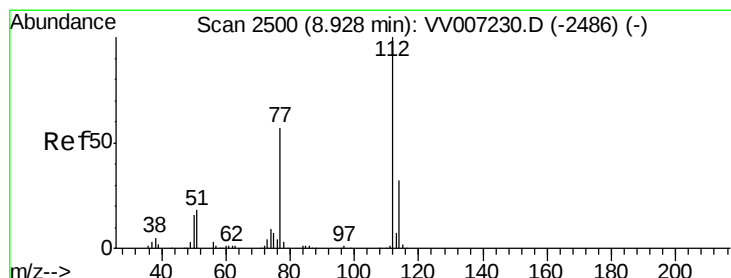
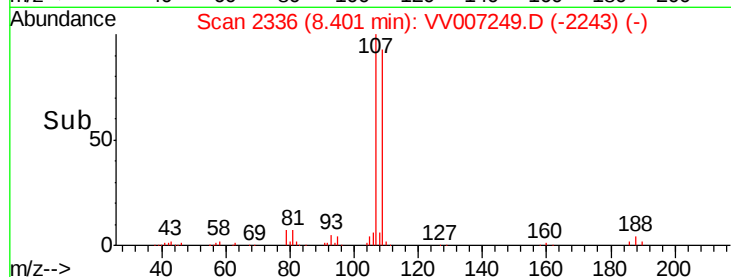
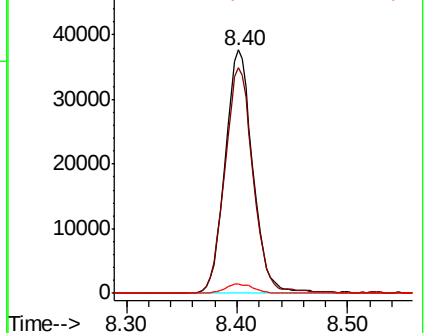
188 3.7 3.5 5.3



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: 5.076 ug/L

RT: 8.93 min Scan# 2500

Delta R.T. 0.00 min

Lab File: VV007249.D

Acq: 29 Aug 2018 10:17

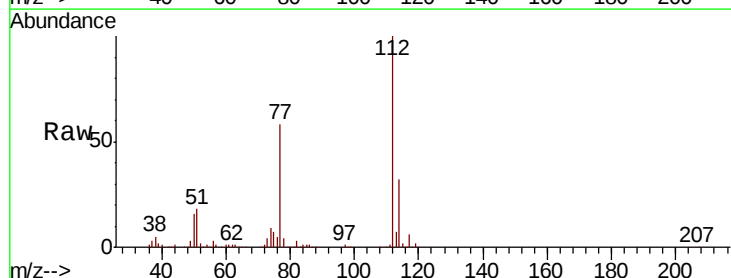
Tgt Ion:112 Resp: 278397

Ion Ratio Lower Upper

112 100

114 32.0 22.0 41.0

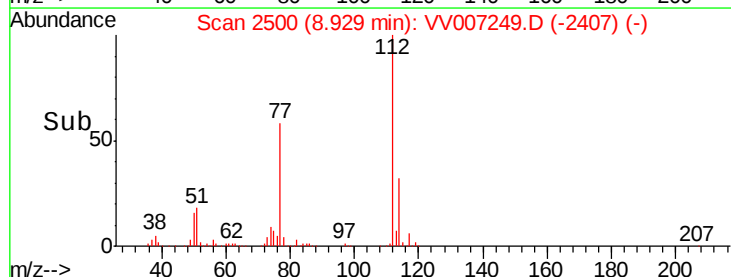
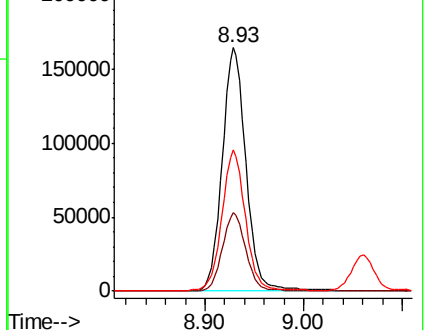
77 57.7 45.9 68.9

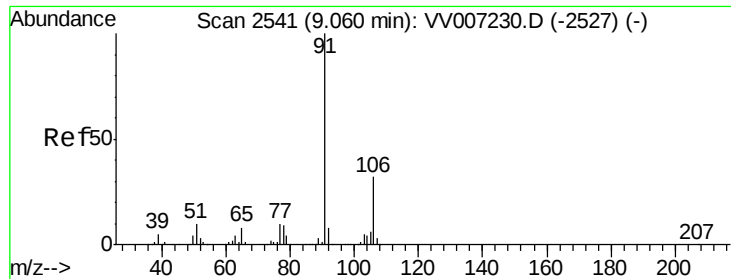


Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VV0

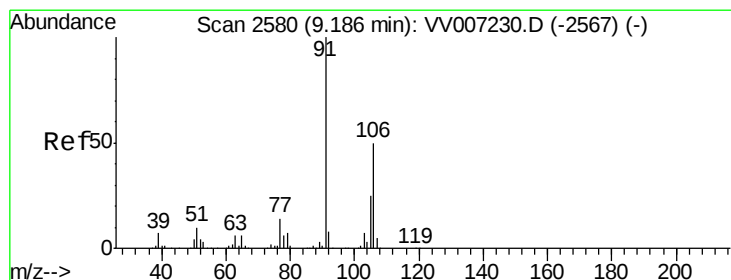
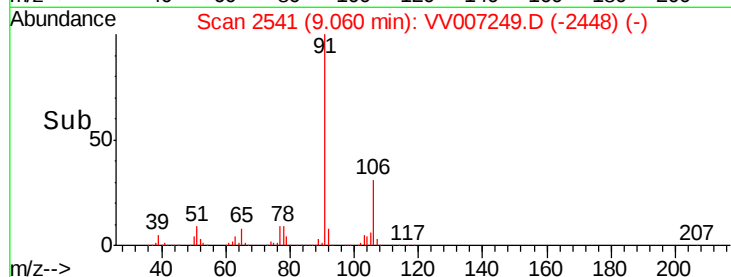
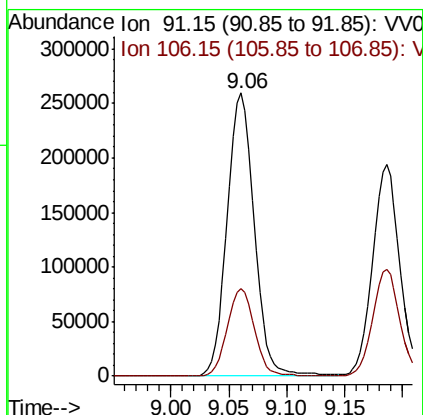
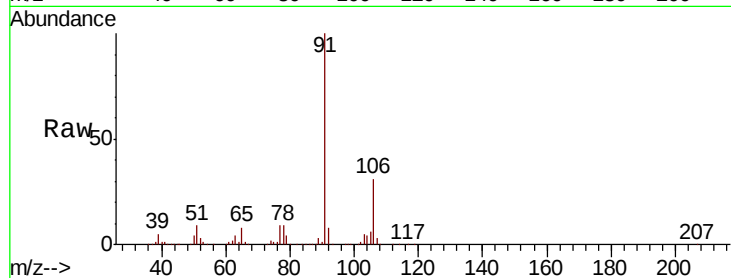




#52
Ethylbenzene
Concen: 5.189 ug/L
RT: 9.06 min Scan# 2541
Delta R.T. 0.00 min
Lab File: VV007249.D
Acq: 29 Aug 2018 10:17

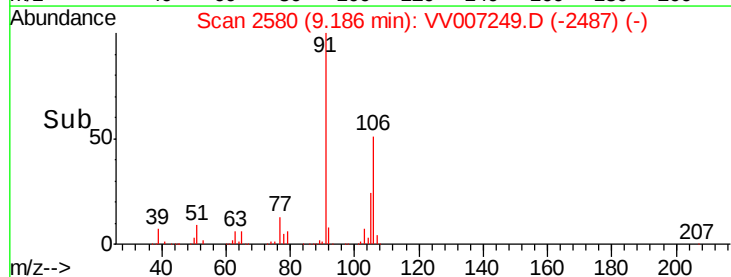
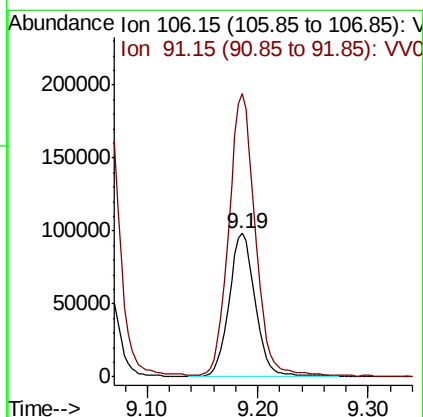
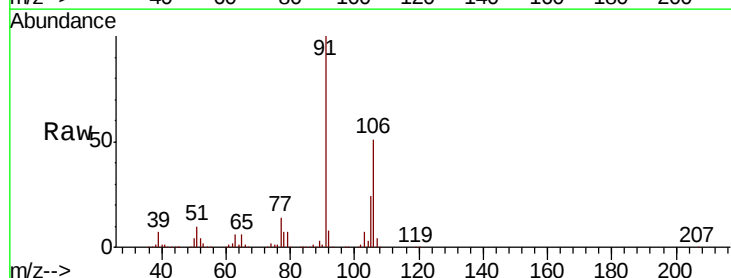
Instrument :
MSVOA_V
ClientSampleId :

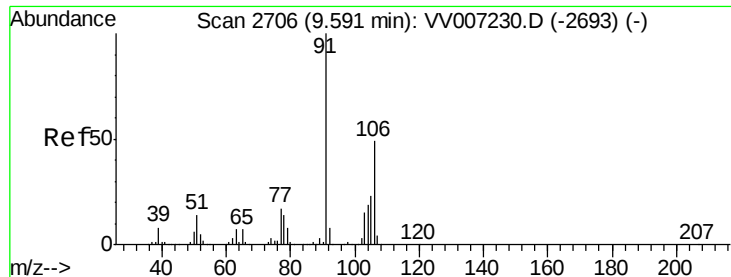
Tot Ion: 91 Resp: 420496
Ion Ratio Lower Upper
91 100
106 31.1 22.3 41.3



#53
m,p-xylene
Concen: 5.200 ug/L
RT: 9.19 min Scan# 2580
Delta R.T. 0.00 min
Lab File: VV007249.D
Acq: 29 Aug 2018 10:17

Tgt Ion: 106 Resp: 160480
Ion Ratio Lower Upper
106 100
91 197.2 138.4 257.0





#54

o-xylene

Concen: 5.316 ug/L

RT: 9.59 min Scan# 2706

Delta R.T. 0.00 min

Lab File: VV007249.D

Acq: 29 Aug 2018 10:17

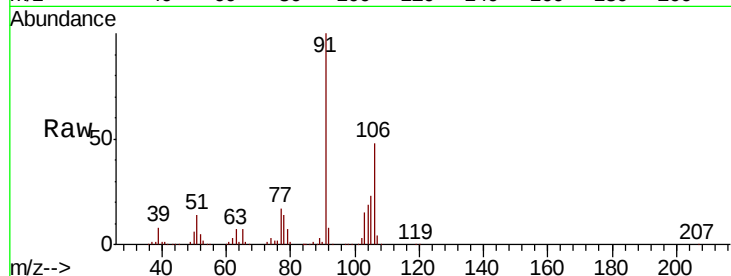
Instrument :
MSVOA_V
ClientSampled :

Tot Ion:106 Resp: 152666

Ion Ratio Lower Upper

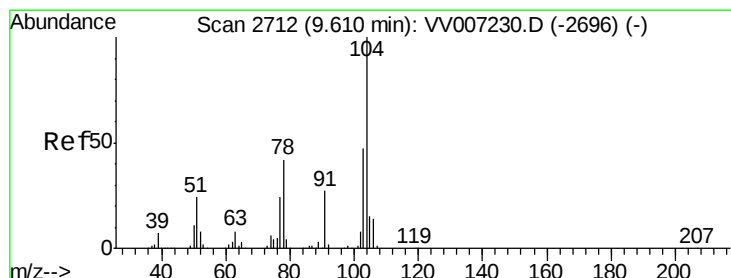
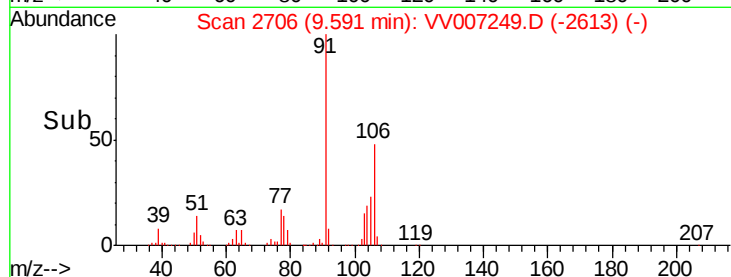
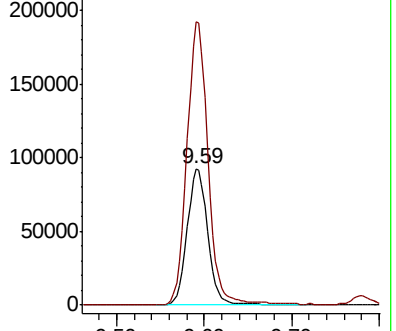
106 100

91 207.0 146.9 272.7



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 5.345 ug/L

RT: 9.61 min Scan# 2712

Delta R.T. 0.00 min

Lab File: VV007249.D

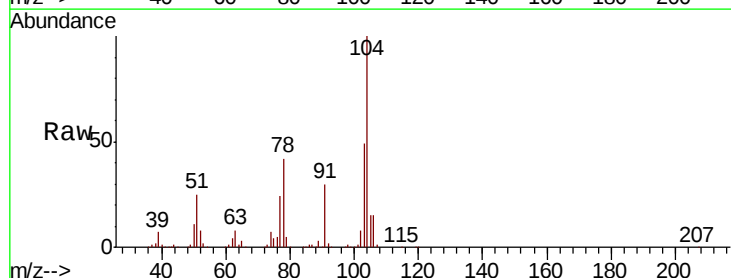
Acq: 29 Aug 2018 10:17

Tgt Ion:104 Resp: 269143

Ion Ratio Lower Upper

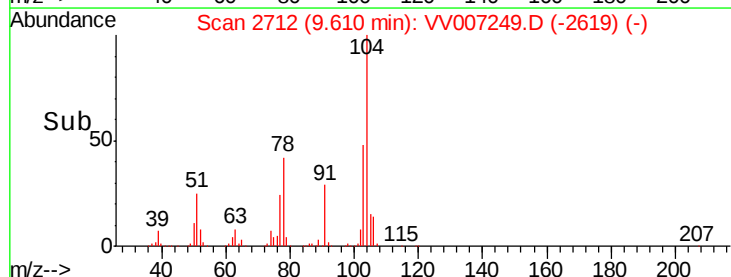
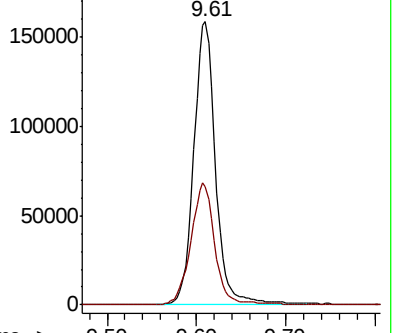
104 100

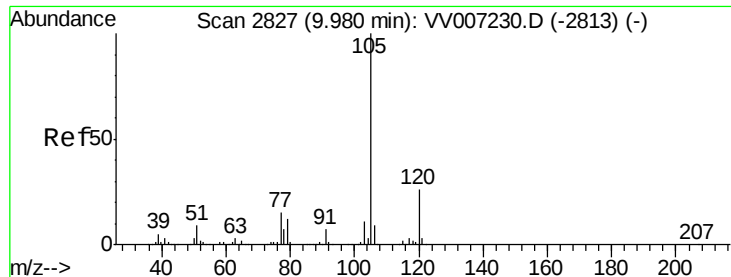
78 41.9 30.2 56.2



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 5.286 ug/L

RT: 9.98 min Scan# 2827

Delta R.T. 0.00 min

Lab File: VV007249.D

Acq: 29 Aug 2018 10:17

Instrument :

MSVOA_V

ClientSampleId :

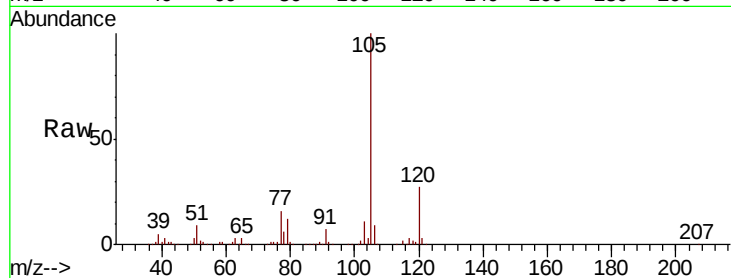
Tot Ion:105 Resp: 403788

Ion Ratio Lower Upper

105 100

120 26.6 21.0 31.4

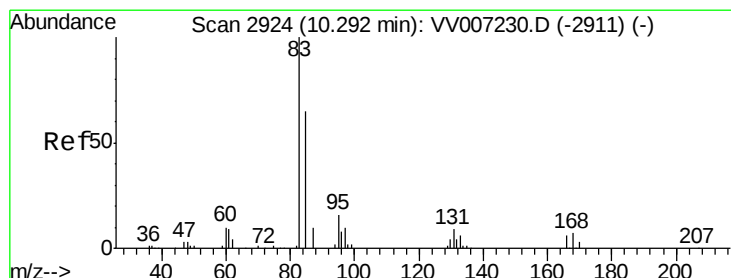
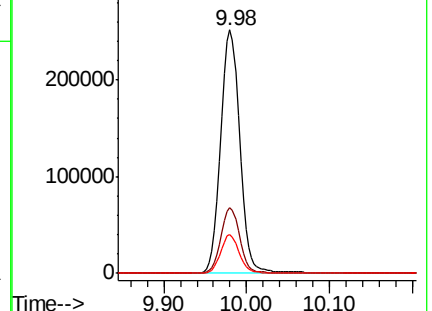
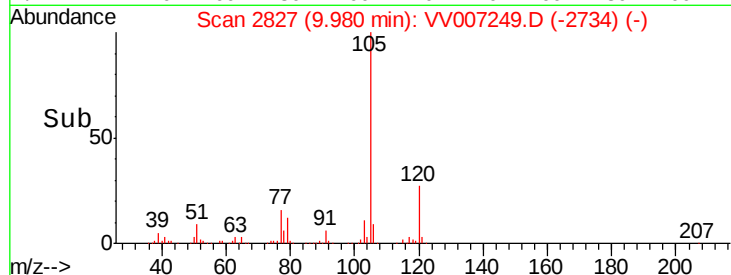
77 15.5 12.1 18.1



Abundance Ion 105.05 (104.75 to 105.75): VV007230.D (-2813) (-)

Ion 120.10 (119.80 to 120.80): VV007230.D (-2813) (-)

Ion 77.10 (76.80 to 77.80): VV007230.D (-2813) (-)



#58

1,1,2,2-Tetrachloroethane

Concen: 4.788 ug/L

RT: 10.29 min Scan# 2924

Delta R.T. 0.00 min

Lab File: VV007249.D

Acq: 29 Aug 2018 10:17

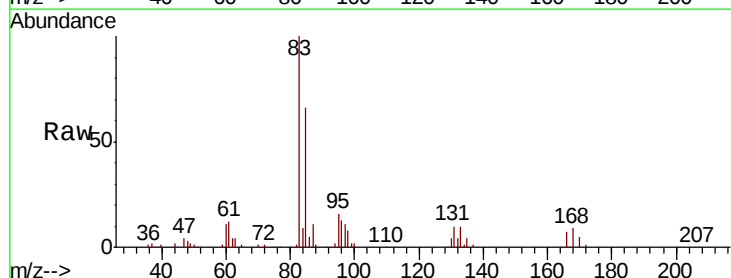
Tgt Ion: 83 Resp: 88041

Ion Ratio Lower Upper

83 100

85 65.9 43.7 81.1

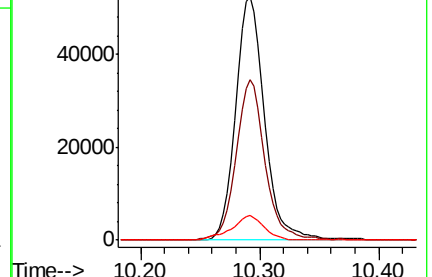
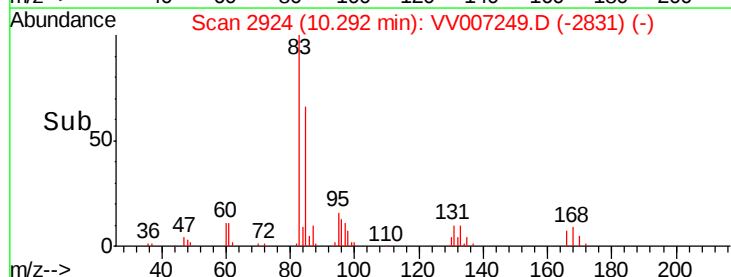
131 10.1 7.7 11.5

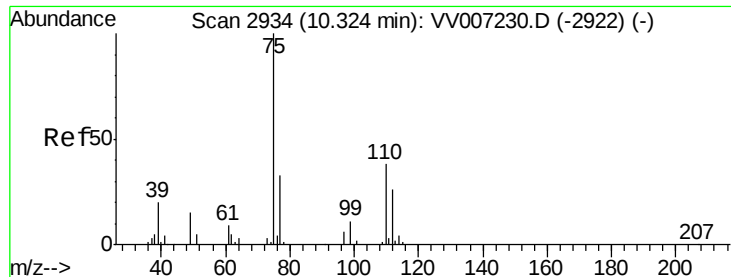


Abundance Ion 82.95 (82.65 to 83.65): VV007230.D (-2911) (-)

Ion 85.00 (84.70 to 85.70): VV007230.D (-2911) (-)

Ion 130.95 (130.65 to 131.65): VV007230.D (-2911) (-)





#59

1,2,3-Trichloropropane

Concen: 4.753 ug/L

RT: 10.32 min Scan# 2934

Delta R.T. 0.00 min

Lab File: VV007249.D

Acq: 29 Aug 2018 10:17

Instrument :

MSVOA_V

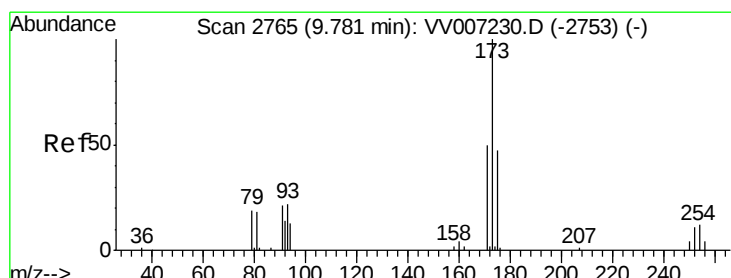
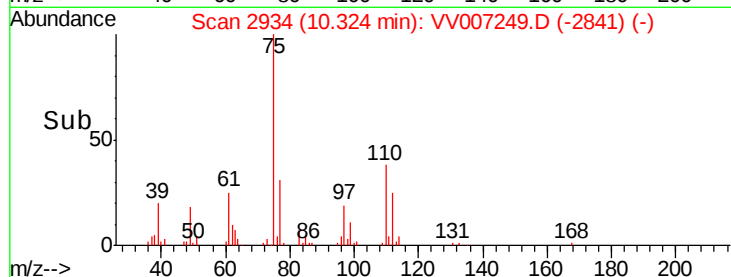
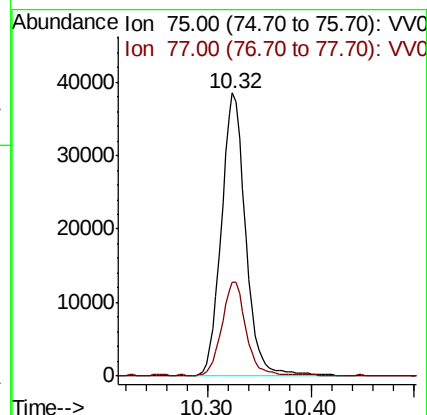
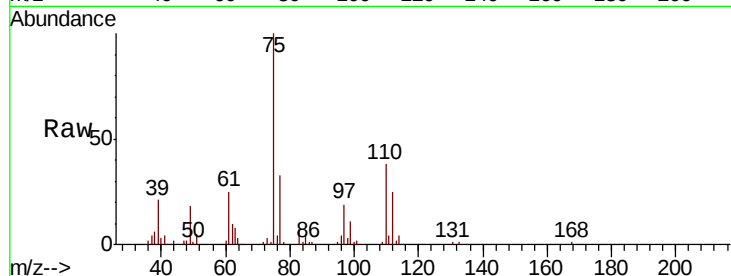
ClientSampleId :

Tot Ion: 75 Resp: 62972

Ion Ratio Lower Upper

75 100

77 33.0 26.0 39.0



#61

Bromoform

Concen: 4.793 ug/L

RT: 9.78 min Scan# 2765

Delta R.T. 0.00 min

Lab File: VV007249.D

Acq: 29 Aug 2018 10:17

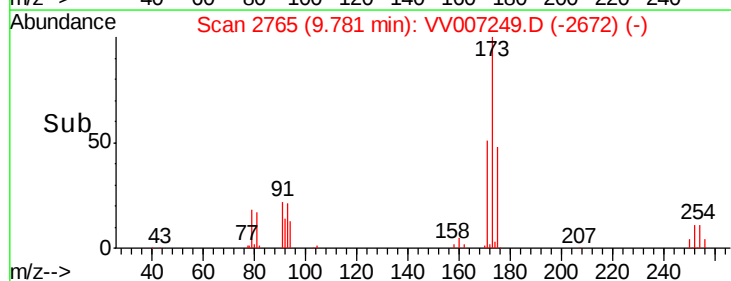
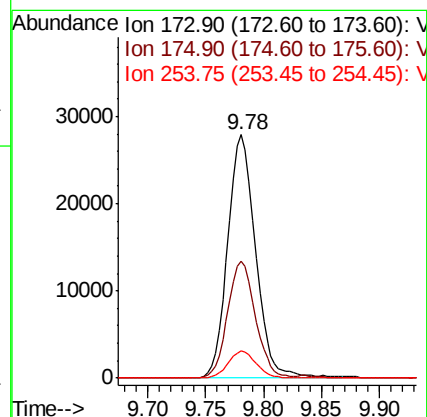
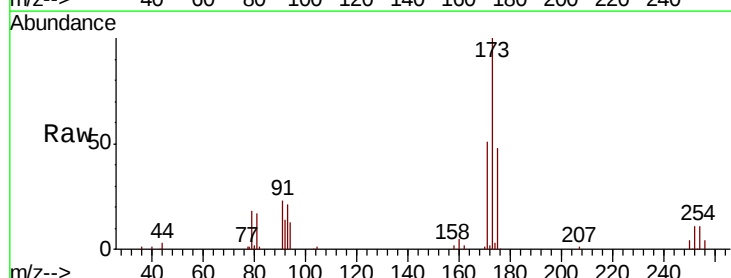
Tgt Ion: 173 Resp: 46612

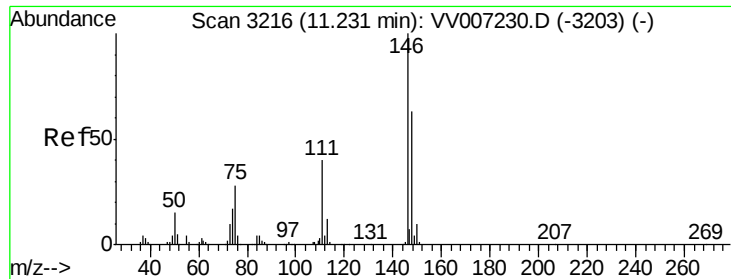
Ion Ratio Lower Upper

173 100

175 47.8 39.3 58.9

254 11.0 8.7 13.1





#62

1,3-Dichlorobenzene

Concen: 5.070 ug/L

RT: 11.23 min Scan# 3216

Delta R.T. 0.00 min

Lab File: VV007249.D

Acq: 29 Aug 2018 10:17

Instrument :

MSVOA_V

ClientSampleId :

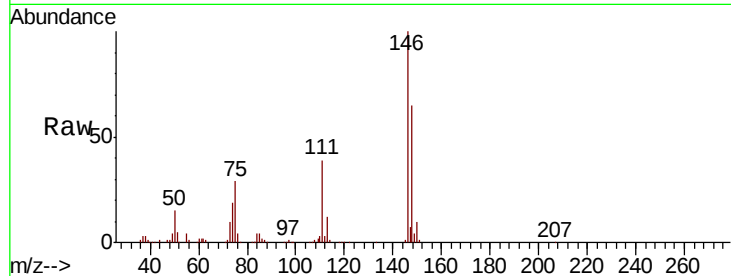
Tot Ion:146 Resp: 197068

Ion Ratio Lower Upper

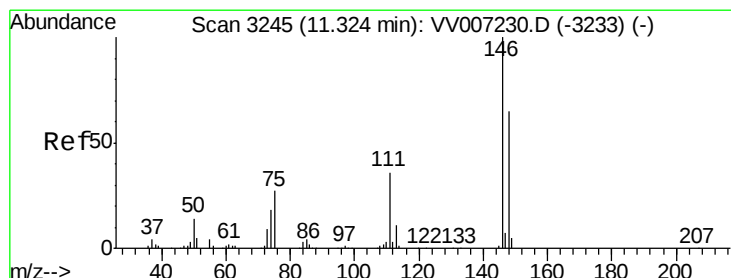
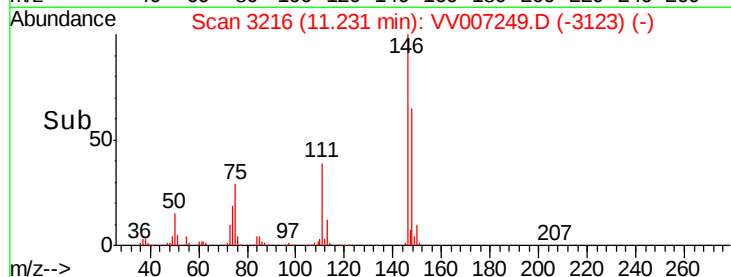
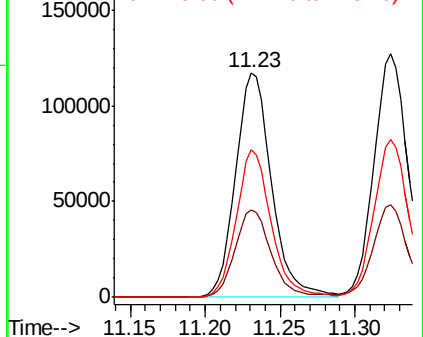
146 100

111 39.0 27.2 50.4

148 65.4 45.0 83.6



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: 5.075 ug/L

RT: 11.32 min Scan# 3245

Delta R.T. 0.00 min

Lab File: VV007249.D

Acq: 29 Aug 2018 10:17

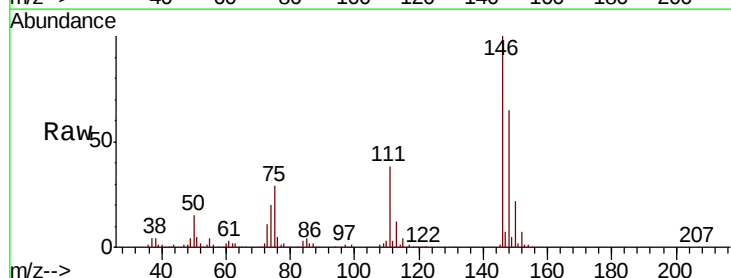
Tgt Ion:146 Resp: 208495

Ion Ratio Lower Upper

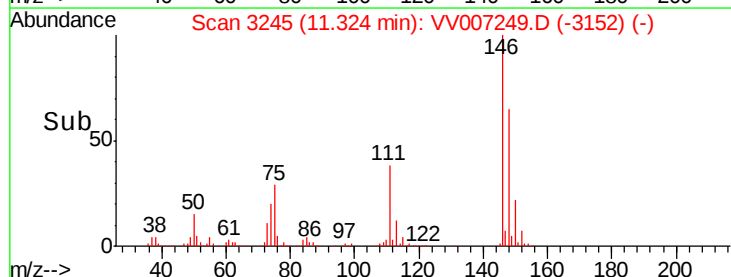
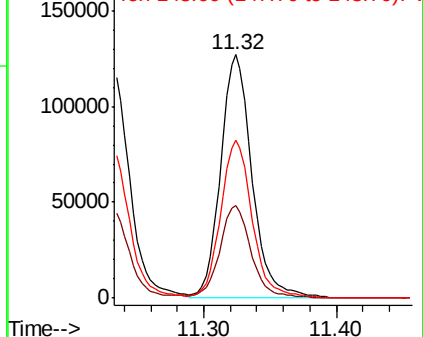
146 100

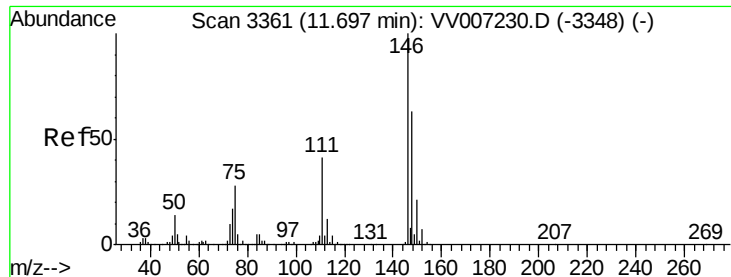
111 37.9 25.4 47.2

148 64.8 44.3 82.3



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: 5.092 ug/L

RT: 11.70 min Scan# 3361

Delta R.T. 0.00 min

Lab File: VV007249.D

Acq: 29 Aug 2018 10:17

Instrument :

MSVOA_V

ClientSampleId :

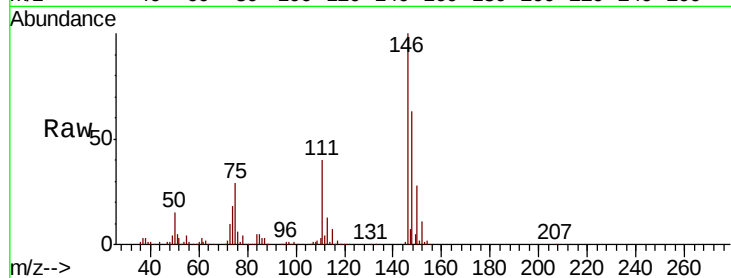
Tot Ion:146 Resp: 197823

Ion Ratio Lower Upper

146 100

111 40.5 33.0 49.6

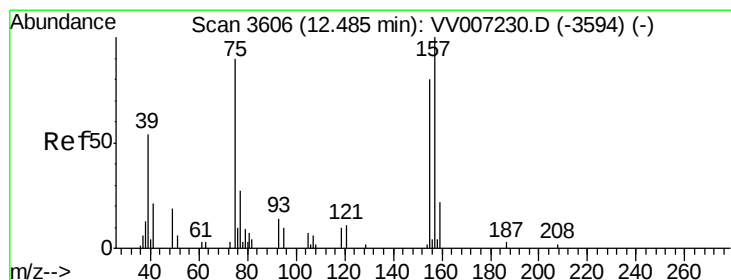
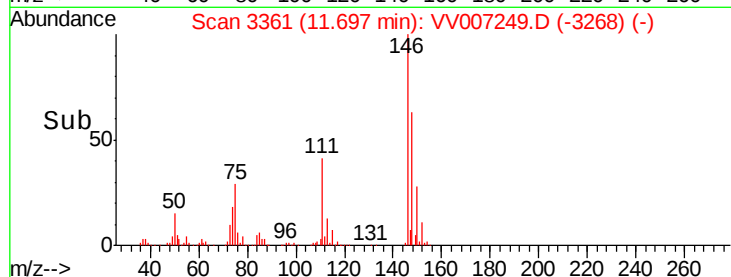
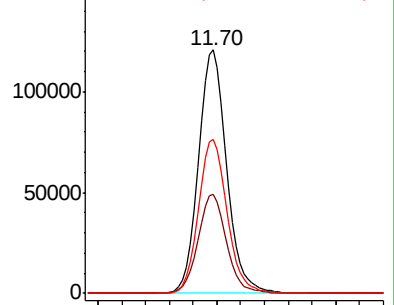
148 63.2 51.6 77.4



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: 4.323 ug/L

RT: 12.48 min Scan# 3606

Delta R.T. 0.00 min

Lab File: VV007249.D

Acq: 29 Aug 2018 10:17

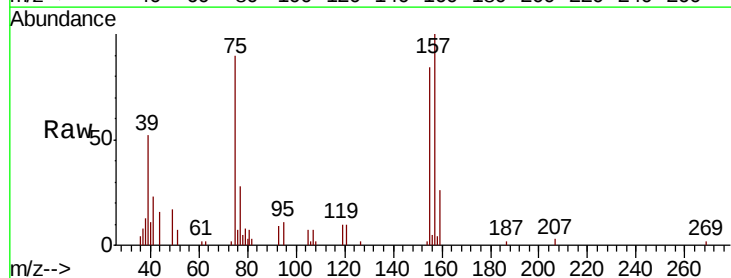
Tgt Ion: 75 Resp: 9838

Ion Ratio Lower Upper

75 100

155 92.4 70.4 105.6

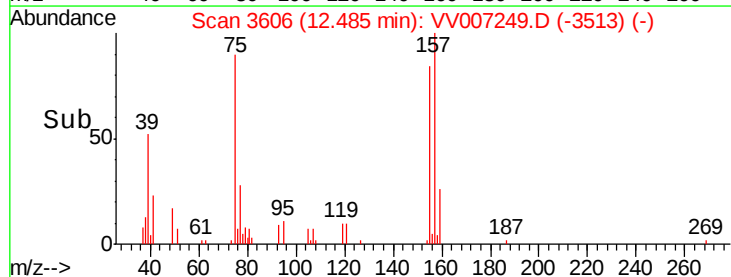
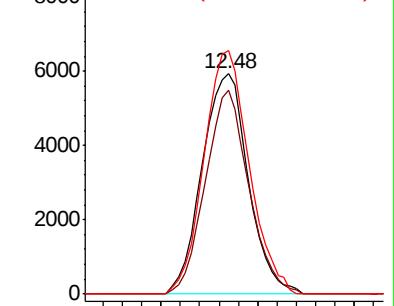
157 110.5 94.2 141.2

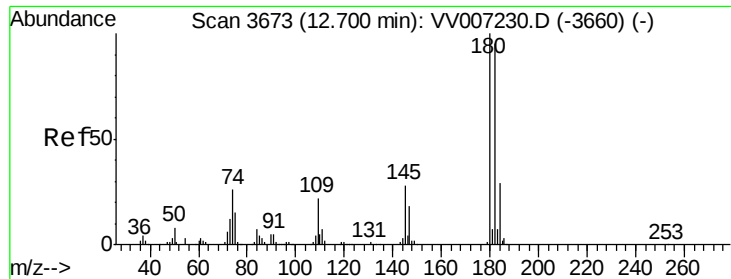


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

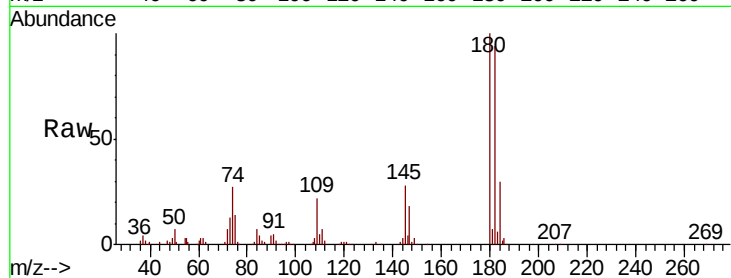




#67
 1,3,5-Trichlorobenzene
 Concen: 5.359 ug/L
 RT: 12.70 min Scan# 3672
 Delta R.T. -0.00 min
 Lab File: VV007249.D
 Acq: 29 Aug 2018 10:17

Instrument :
 MSVOA_V
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.9	77.0	115.6
184	29.8	23.4	35.2
145	28.0	22.6	33.8



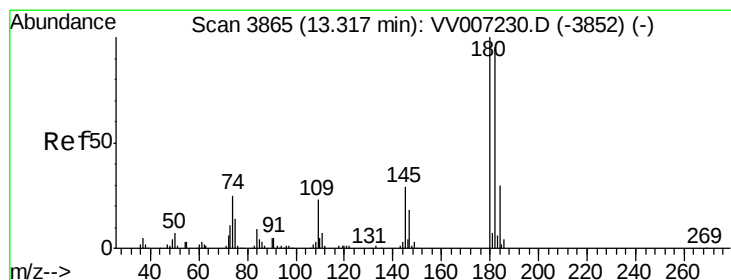
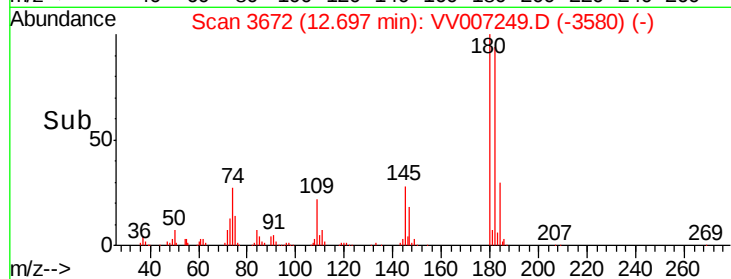
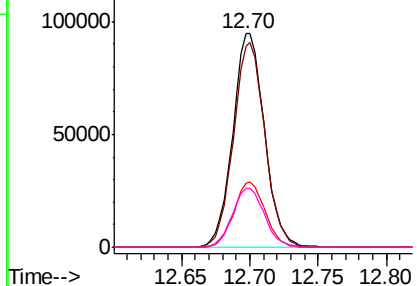
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

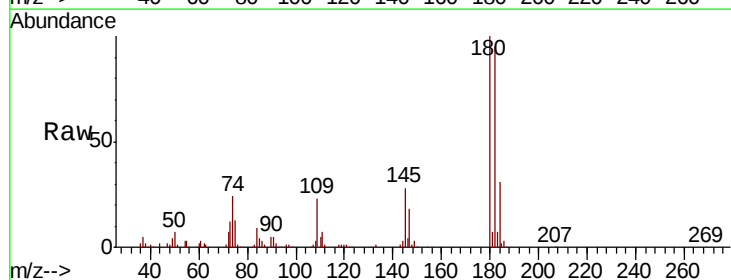
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 5.221 ug/L
 RT: 13.32 min Scan# 3865
 Delta R.T. 0.00 min
 Lab File: VV007249.D
 Acq: 29 Aug 2018 10:17

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.2	76.8	115.2
145	28.4	22.6	34.0

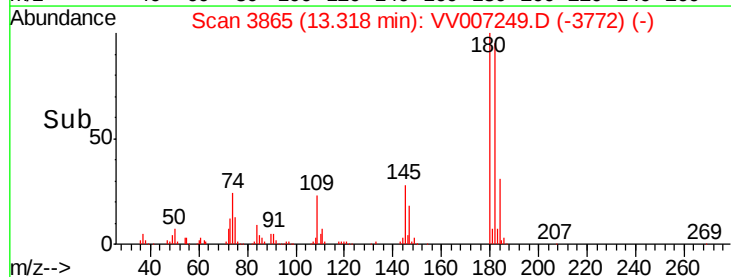
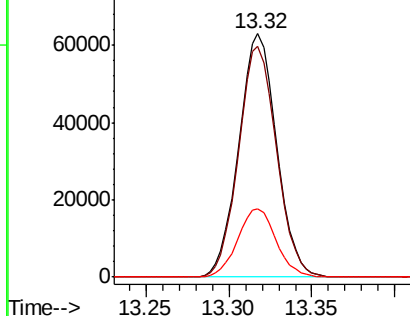


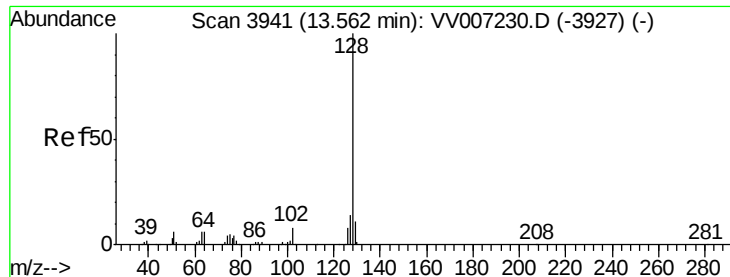
Abundance

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: 4.575 ug/L

RT: 13.56 min Scan# 3940

Delta R.T. -0.00 min

Lab File: VV007249.D

Acq: 29 Aug 2018 10:17

Instrument :

MSVOA_V

ClientSampleId :

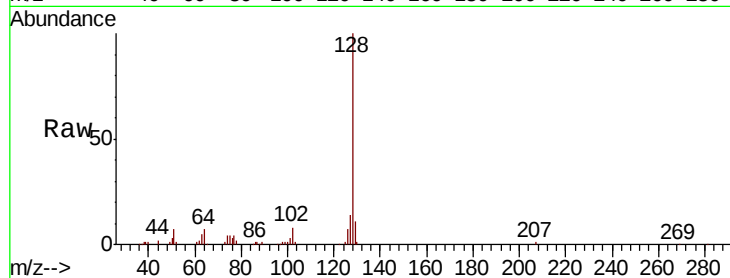
Tot Ion:128 Resp: 109471

Ion Ratio Lower Upper

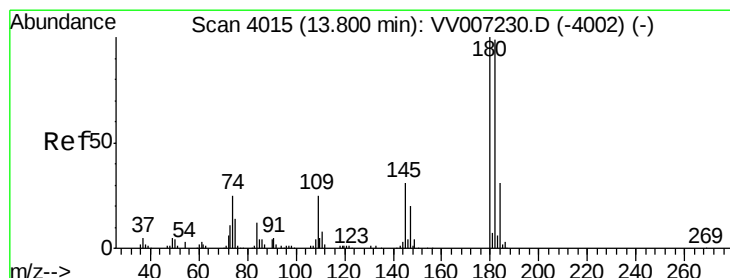
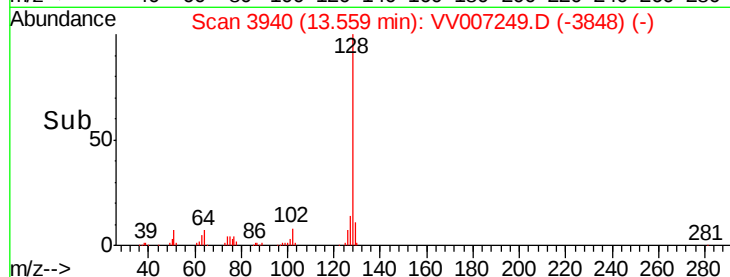
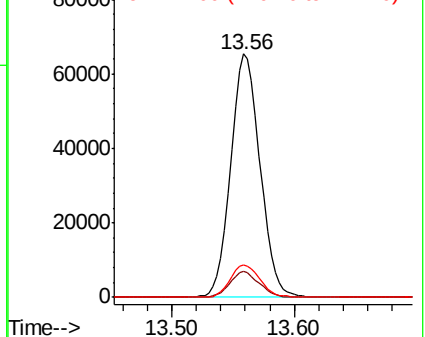
128 100

129 10.8 8.9 13.3

127 13.5 10.6 15.8



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: 4.938 ug/L

RT: 13.80 min Scan# 4015

Delta R.T. 0.00 min

Lab File: VV007249.D

Acq: 29 Aug 2018 10:17

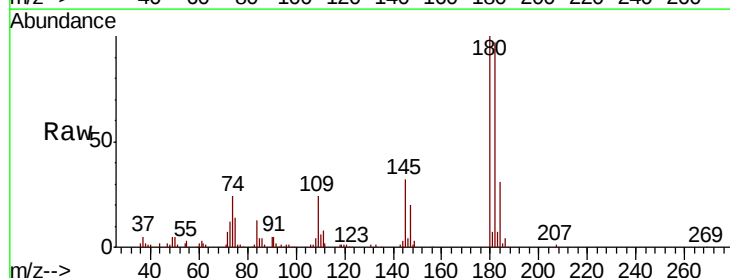
Tgt Ion:180 Resp: 92802

Ion Ratio Lower Upper

180 100

182 97.1 77.0 115.4

145 30.9 23.8 35.8



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

