

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV082918\
 Data File : VV007261.D
 Acq On : 29 Aug 2018 17:11
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0 mL/MSVOA V/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Aug 30 09:00:31 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR082818WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Aug 30 04:42:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	243228	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	240216	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	111922	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	78312	4.54	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	90.80%
7) Chloroethane-d5	1.58	69	70569	5.07	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	101.40%
11) 1,1-Dichloroethene-d2	2.13	63	144591	4.84	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	96.80%
20) 2-Butanone-d5	3.97	46	256732	59.55	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	119.10%
24) Chloroform-d	4.40	84	184056	5.28	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	105.60%
26) 1,2-Dichloroethane-d4	5.09	65	93261	5.36	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	107.20%
32) Benzene-d6	5.10	84	352367	5.16	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.20%
36) 1,2-Dichloropropane-d6	6.12	67	117677	5.30	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	106.00%
41) Toluene-d8	7.36	98	316205	5.33	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	106.60%
43) trans-1,3-Dichloropropene-	7.67	79	40501	5.13	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	102.60%
46) 2-Hexanone-d5	8.15	63	112258	54.10	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	108.20%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	94667	5.48	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	109.60%
64) 1,2-Dichlorobenzene-d4	11.68	152	112612	5.24	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	104.80%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	93230	5.217 ug/L	99
3) Chloromethane	1.25	50	105300	5.376 ug/L	99
5) Vinyl chloride	1.32	62	98778	5.266 ug/L	100
6) Bromomethane	1.54	94	35074	5.223 ug/L	99
8) Chloroethane	1.60	64	60125	5.229 ug/L	100
9) Trichlorofluoromethane	1.77	101	138987	5.299 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	85022	5.159 ug/L	98
12) 1,1-Dichloroethene	2.14	96	79489	5.401 ug/L	91
13) Acetone	2.21	43	111263	51.466 ug/L	89
14) Carbon disulfide	2.32	76	216783	4.995 ug/L	100
15) Methyl Acetate	2.47	43	31882	5.561 ug/L	98
16) Methylene chloride	2.54	84	88616	4.966 ug/L	99
17) Methyl tert-butyl Ether	2.82	73	203600	5.372 ug/L	99
18) trans-1,2-Dichloroethene	2.79	96	86489	5.274 ug/L	96
19) 1,1-Dichloroethane	3.23	63	176002	5.273 ug/L	98
21) 2-Butanone	4.05	43	253432	56.375 ug/L	99
22) cis-1,2-Dichloroethene	3.97	96	99259	5.274 ug/L	99

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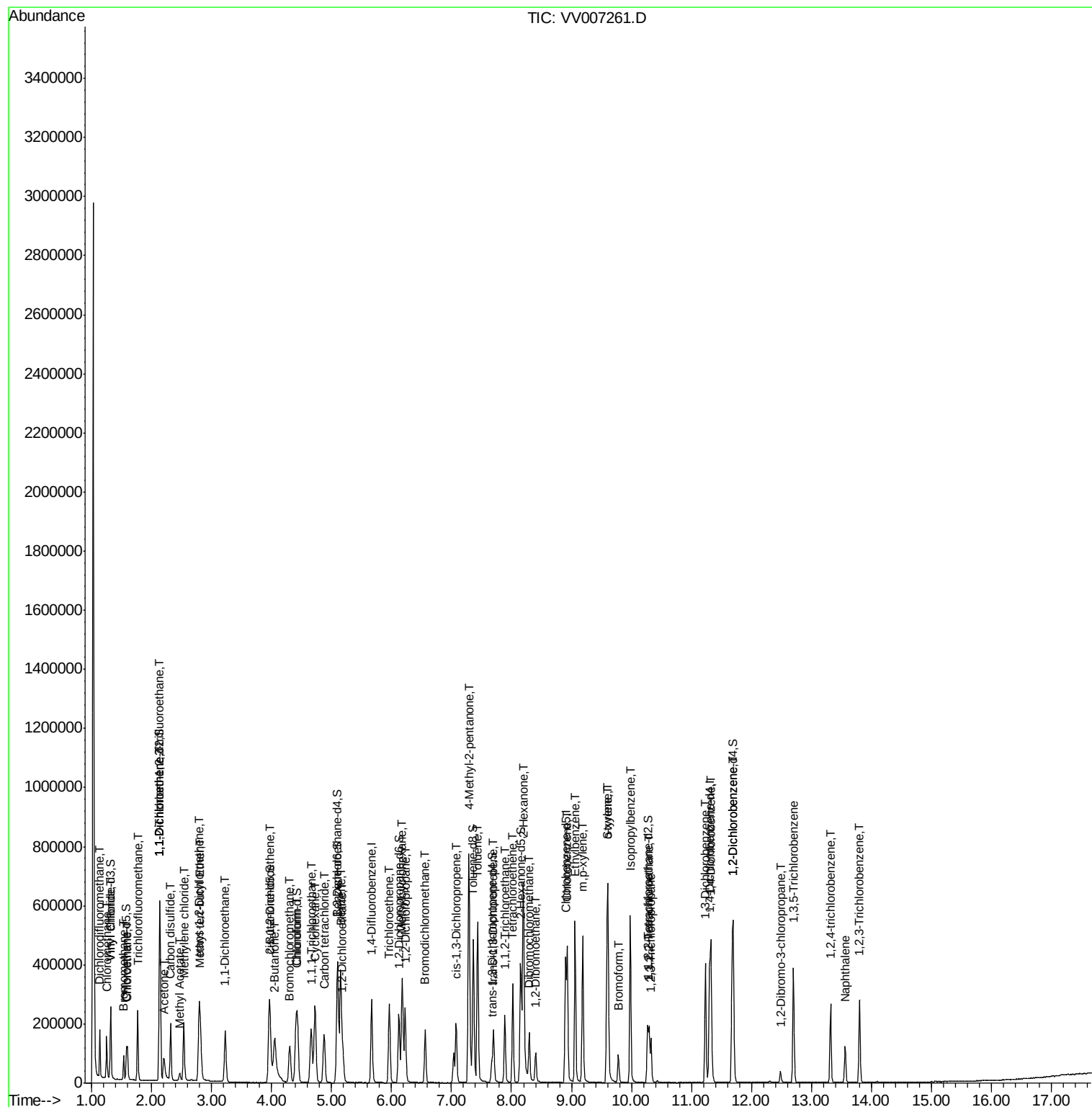
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	45066	5.287	ug/L	98
25) Chloroform	4.43	83	180734	5.407	ug/L	100
27) 1,2-Dichloroethane	5.19	62	108486	5.521	ug/L	97
29) 1,1,1-Trichloroethane	4.66	97	147531	5.271	ug/L	98
30) Cyclohexane	4.73	56	128167	5.203	ug/L	99
31) Carbon tetrachloride	4.88	117	124996	5.272	ug/L	99
33) Benzene	5.15	78	385792	5.421	ug/L	100
34) Trichloroethene	5.96	95	93769	5.224	ug/L	98
35) Methylcyclohexane	6.18	83	133421	5.083	ug/L	99
37) 1,2-Dichloropropane	6.23	63	103434	5.477	ug/L	100
38) Bromodichloromethane	6.56	83	121419	5.362	ug/L	98
39) cis-1,3-Dichloropropene	7.08	75	123130	5.255	ug/L	99
40) 4-Methyl-2-pentanone	7.29	43	565837	57.204	ug/L	98
42) Toluene	7.44	91	392347	5.615	ug/L	99
44) trans-1,3-Dichloropropene	7.70	75	102183	5.229	ug/L	99
45) 1,1,2-Trichloroethane	7.89	97	74383	5.463	ug/L	99
47) Tetrachloroethene	8.02	164	79081	5.331	ug/L	99
48) 2-Hexanone	8.20	43	481856	65.275	ug/L	98
49) Dibromochloromethane	8.30	129	80952	5.283	ug/L	98
50) 1,2-Dibromoethane	8.40	107	64373	5.531	ug/L	99
51) Chlorobenzene	8.93	112	250460	5.273	ug/L	99
52) Ethylbenzene	9.06	91	372525	5.308	ug/L	98
53) m,p-xylene	9.19	106	145449	5.442	ug/L	98
54) o-xylene	9.59	106	133949	5.385	ug/L	96
55) Styrene	9.61	104	243872	5.592	ug/L	100
56) Isopropylbenzene	9.98	105	357569	5.405	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.29	83	89309	5.608	ug/L	97
59) 1,2,3-Trichloropropane	10.32	75	64328	5.606	ug/L	99
61) Bromoform	9.78	173	44126	5.253	ug/L	99
62) 1,3-Dichlorobenzene	11.23	146	177424	5.285	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	189040	5.327	ug/L	99
65) 1,2-Dichlorobenzene	11.70	146	184711	5.505	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.48	75	10431	5.307	ug/L	93
67) 1,3,5-Trichlorobenzene	12.70	180	133393	5.429	ug/L	99
68) 1,2,4-trichlorobenzene	13.32	180	90172	5.451	ug/L	99
69) Naphthalene	13.56	128	101177	4.895	ug/L	99
70) 1,2,3-Trichlorobenzene	13.80	180	91721	5.651	ug/L	99

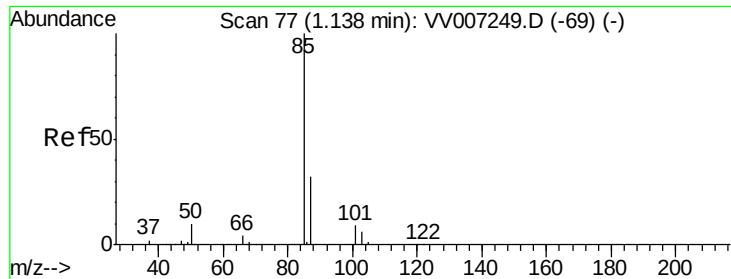
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 5.217 ug/L

RT: 1.14 min Scan# 77

Delta R.T. -0.00 min

Lab File: VV007261.D

Acq: 29 Aug 2018 17:11

Instrument :

MSVOA_V

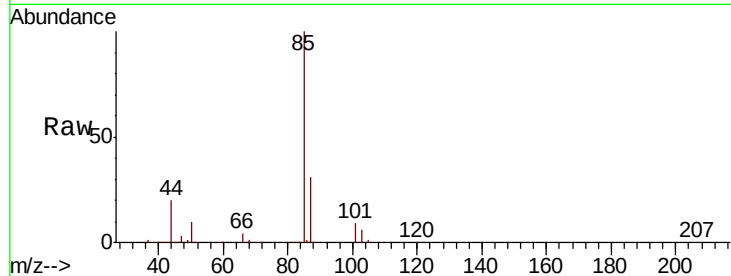
ClientSampleId :

Tot Ion: 85 Resp: 93230

Ion Ratio Lower Upper

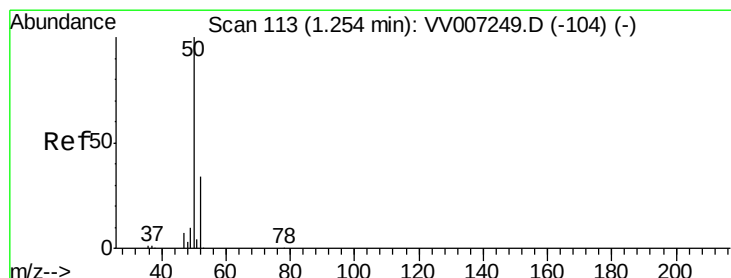
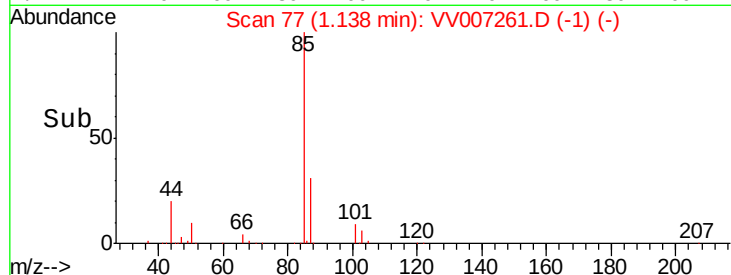
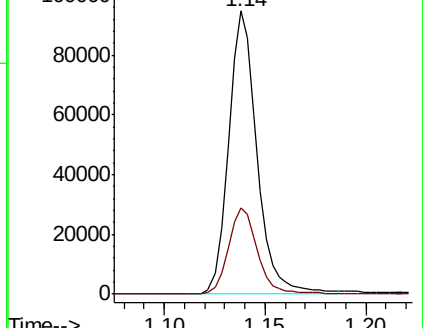
85 100

87 31.6 25.7 38.5



Abundance Ion 85.00 (84.70 to 85.70): VV007249.D (-69) (-)

Ion 87.00 (86.70 to 87.70): VV007249.D (-69) (-)



#3

Chloromethane

Concen: 5.376 ug/L

RT: 1.25 min Scan# 112

Delta R.T. -0.00 min

Lab File: VV007261.D

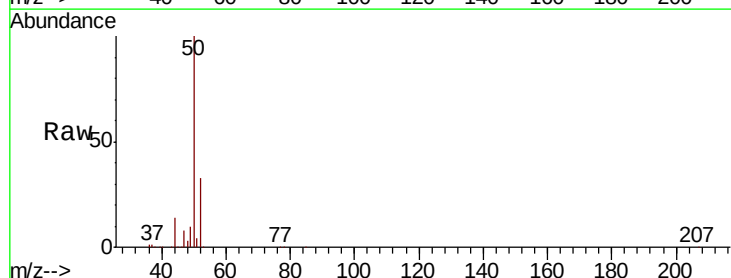
Acq: 29 Aug 2018 17:11

Tgt Ion: 50 Resp: 105300

Ion Ratio Lower Upper

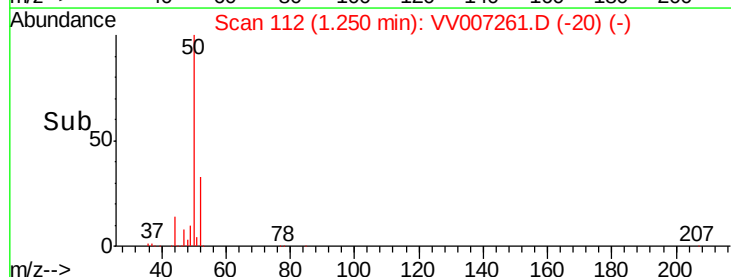
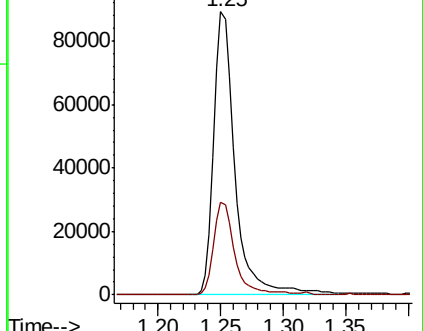
50 100

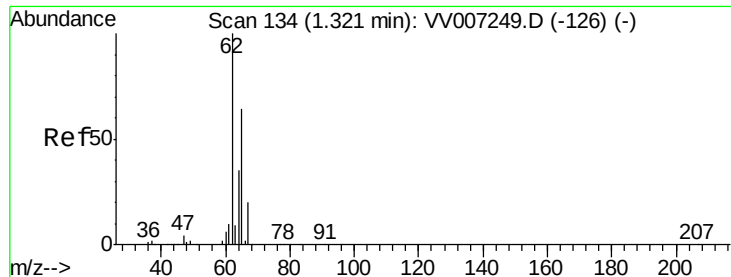
52 32.6 22.5 41.9



Abundance Ion 50.05 (49.75 to 50.75): VV007249.D (-104) (-)

Ion 52.05 (51.75 to 52.75): VV007249.D (-104) (-)





#5

Vinyl chloride

Concen: 5.266 ug/L

RT: 1.32 min Scan# 134

Delta R.T. -0.00 min

Lab File: VV007261.D

Acq: 29 Aug 2018 17:11

Instrument :

MSVOA_V

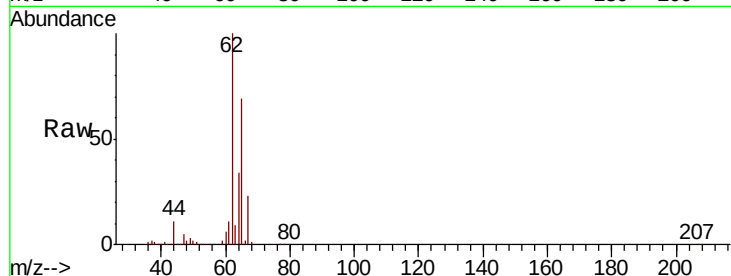
ClientSampled :

Tot Ion: 62 Resp: 98778

Ion Ratio Lower Upper

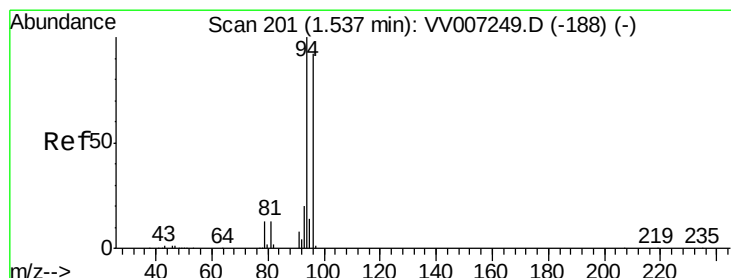
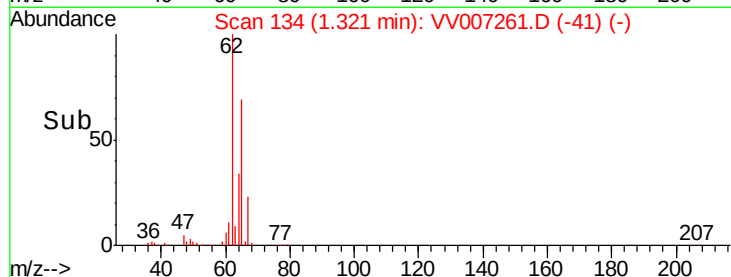
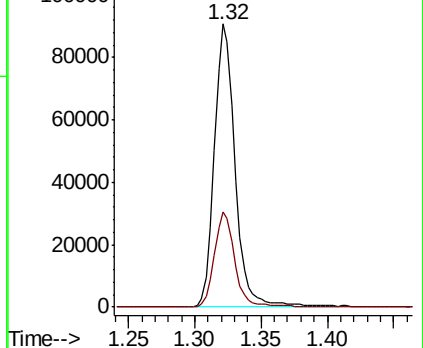
62 100

64 33.6 23.6 43.8



Abundance Ion 62.00 (61.70 to 62.70): VV007249.D

Ion 64.10 (63.80 to 64.80): VV007249.D



#6

Bromomethane

Concen: 5.223 ug/L

RT: 1.54 min Scan# 201

Delta R.T. -0.00 min

Lab File: VV007261.D

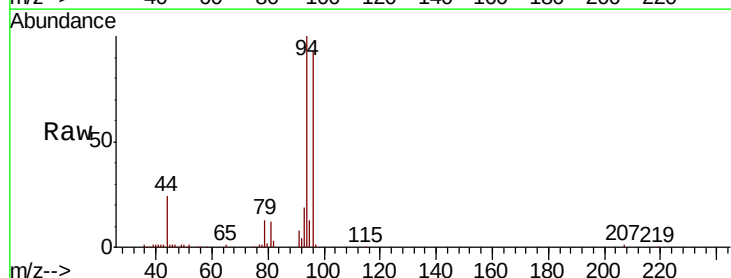
Acq: 29 Aug 2018 17:11

Tgt Ion: 94 Resp: 35074

Ion Ratio Lower Upper

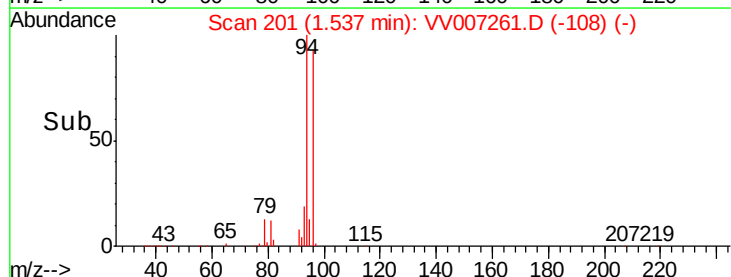
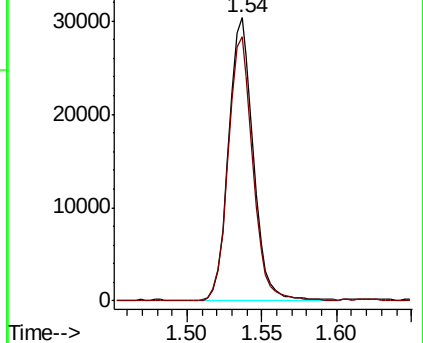
94 100

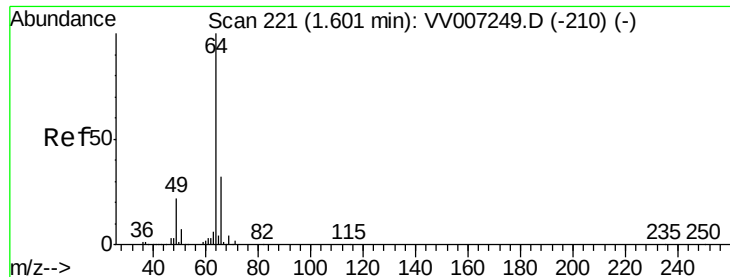
96 93.3 65.8 122.2



Abundance Ion 94.00 (93.70 to 94.70): VV007249.D

Ion 96.00 (95.70 to 96.70): VV007249.D





#8

Chloroethane

Concen: 5.229 ug/L

RT: 1.60 min Scan# 221

Delta R.T. -0.00 min

Lab File: VV007261.D

Acq: 29 Aug 2018 17:11

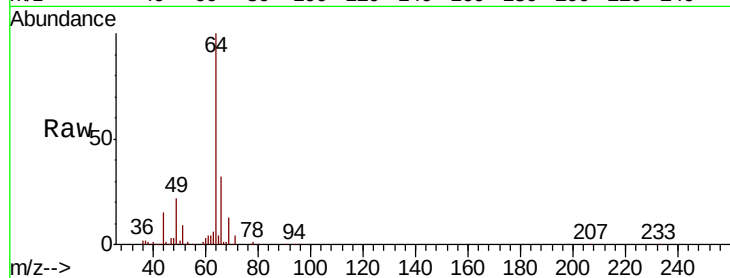
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 64 Resp: 60125

Ion Ratio Lower Upper

64 100

66 31.6 22.2 41.2



Abundance Ion 64.10 (63.80 to 64.80): VV007249.D (-210) (-)

Ion 66.05 (65.75 to 66.75): VV007249.D (-210) (-)

1.60

50000

40000

30000

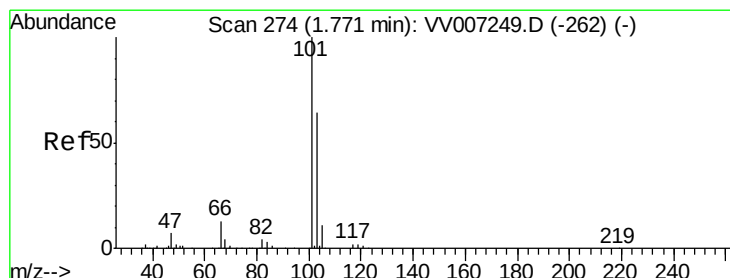
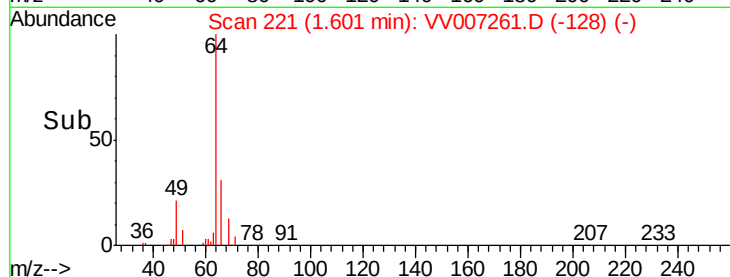
20000

10000

0

1.55 1.60 1.65

Time-->



#9

Trichlorofluoromethane

Concen: 5.299 ug/L

RT: 1.77 min Scan# 274

Delta R.T. -0.00 min

Lab File: VV007261.D

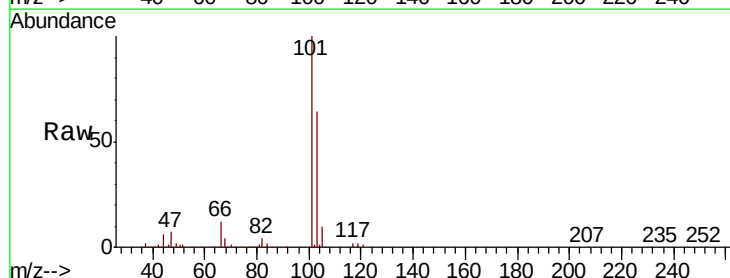
Acq: 29 Aug 2018 17:11

Tgt Ion:101 Resp: 138987

Ion Ratio Lower Upper

101 100

103 65.1 51.9 77.9



Abundance Ion 101.00 (100.70 to 101.70): VV007249.D (-262) (-)

Ion 103.00 (102.70 to 103.70): VV007249.D (-262) (-)

1.77

120000

100000

80000

60000

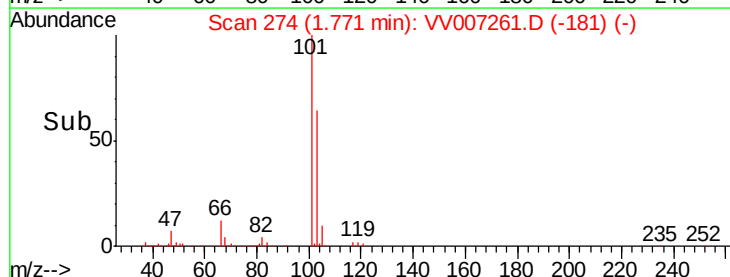
40000

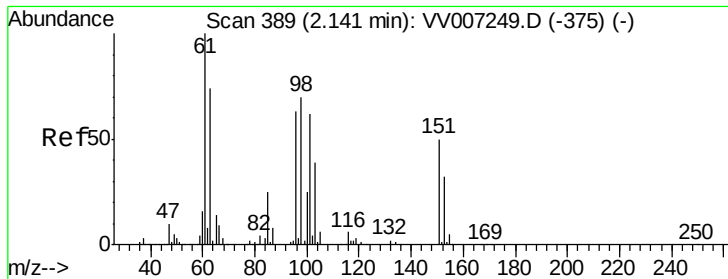
20000

0

1.70 1.75 1.80

Time-->





#10

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

Concen: 5.159 ug/L

RT: 2.14 min Scan# 389

Delta R.T. -0.00 min

Lab File: VV007261.D

Acq: 29 Aug 2018 17:11

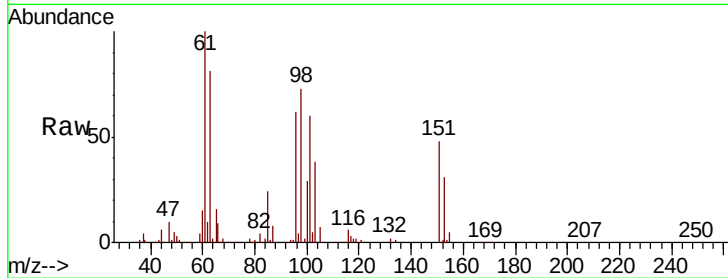
Instrument :

MSVOA_V

ClientSampleId :

Tot Ion:101 Resp: 85022

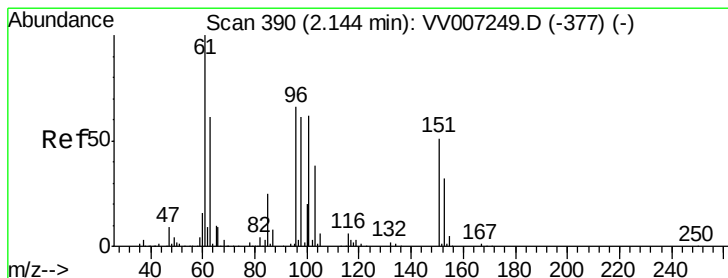
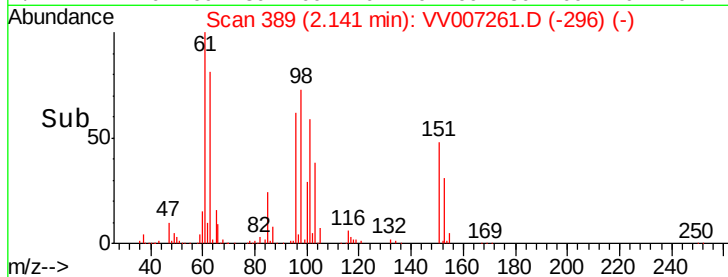
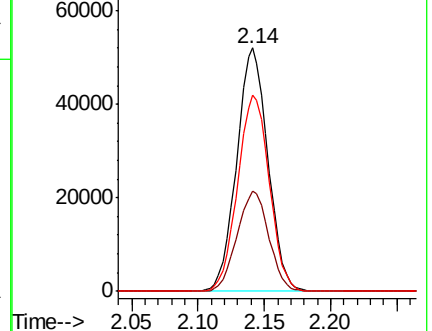
Ion	Ratio	Lower	Upper
101	100		
85	41.9	33.2	49.8
151	81.8	63.8	95.8



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: 5.401 ug/L

RT: 2.14 min Scan# 389

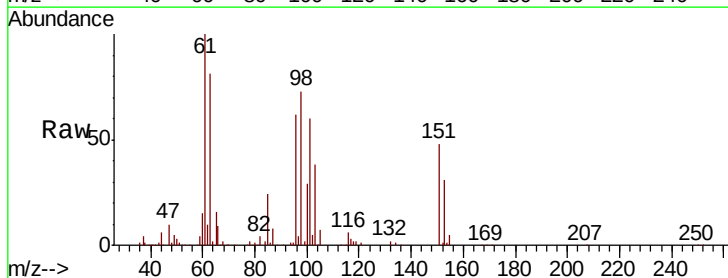
Delta R.T. -0.00 min

Lab File: VV007261.D

Acq: 29 Aug 2018 17:11

Tgt Ion: 96 Resp: 79489

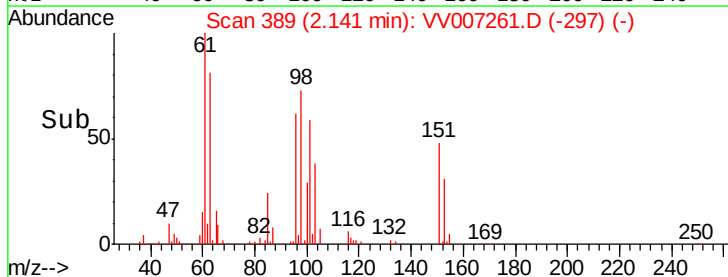
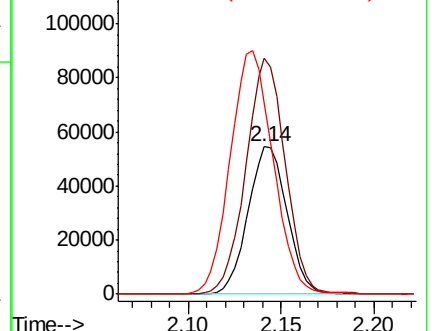
Ion	Ratio	Lower	Upper
96	100		
61	160.6	112.3	208.5
63	129.8	75.4	140.0

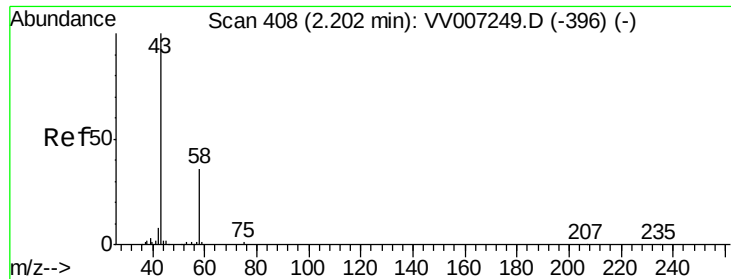


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 51.466 ug/L

RT: 2.21 min Scan# 409

Delta R.T. 0.00 min

Lab File: VV007261.D

Acq: 29 Aug 2018 17:11

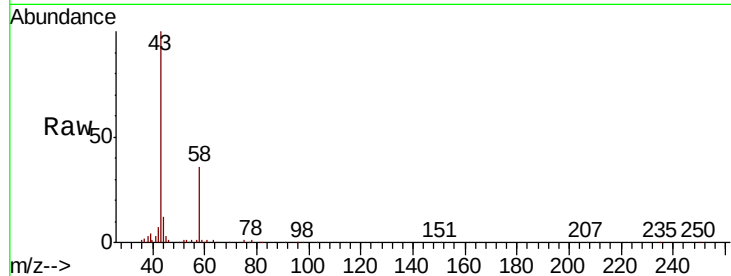
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 111263

Ion Ratio Lower Upper

43 100

58 41.5 0.0 70.2

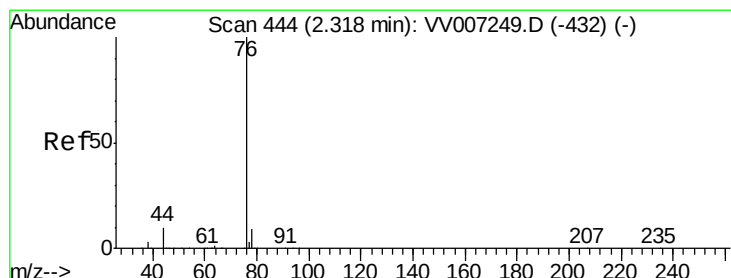
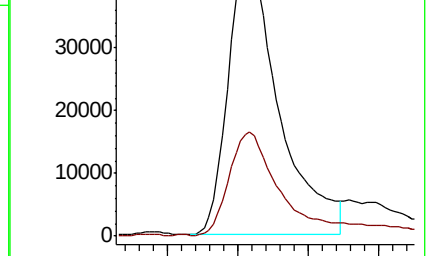
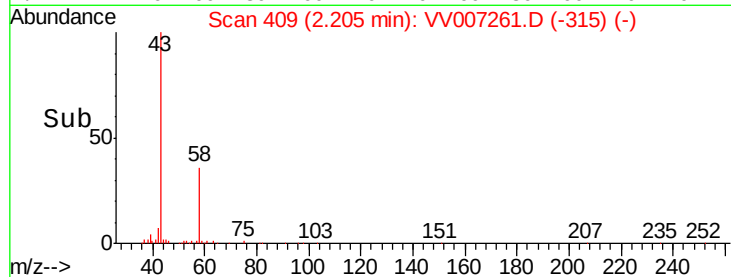


Abundance Ion 43.05 (42.75 to 43.75): VV007249.D (-396) (-)

Ion 58.05 (57.75 to 58.75): VV007249.D (-396) (-)

2.21

Time-->



#14

Carbon disulfide

Concen: 4.995 ug/L

RT: 2.32 min Scan# 444

Delta R.T. -0.00 min

Lab File: VV007261.D

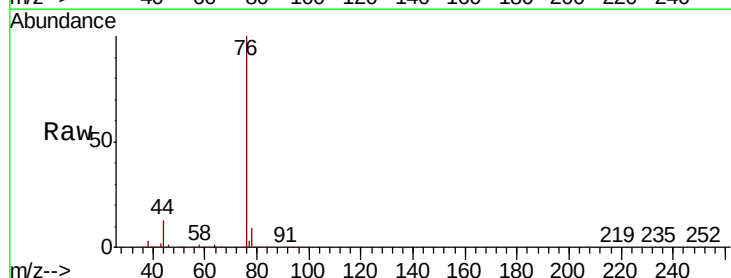
Acq: 29 Aug 2018 17:11

Tgt Ion: 76 Resp: 216783

Ion Ratio Lower Upper

76 100

78 9.2 7.2 10.8

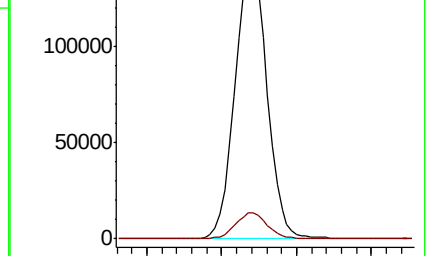
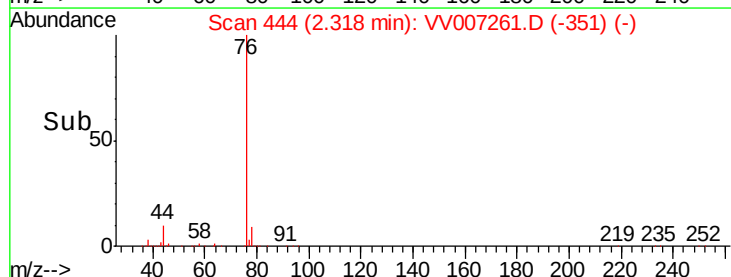


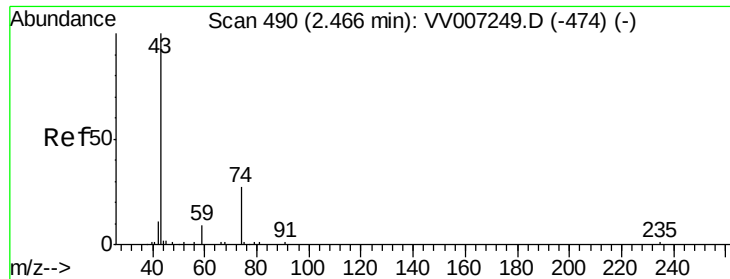
Abundance Ion 76.05 (75.75 to 76.75): VV007249.D (-432) (-)

Ion 78.00 (77.70 to 78.70): VV007249.D (-432) (-)

2.32

Time-->

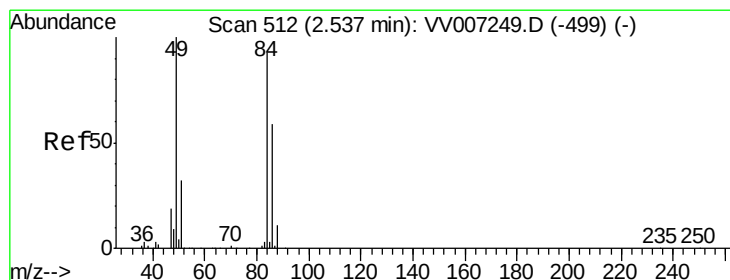
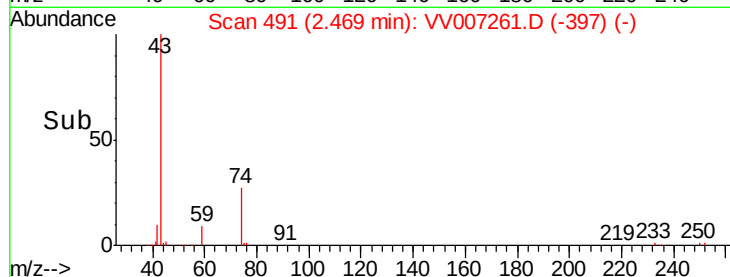
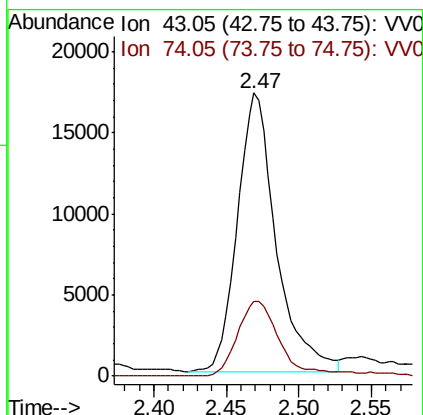
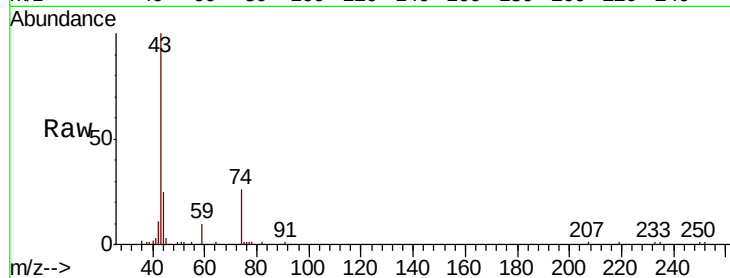




#15
Methyl Acetate
Concen: 5.561 ug/L
RT: 2.47 min Scan# 491
Delta R.T. 0.00 min
Lab File: VV007261.D
Acq: 29 Aug 2018 17:11

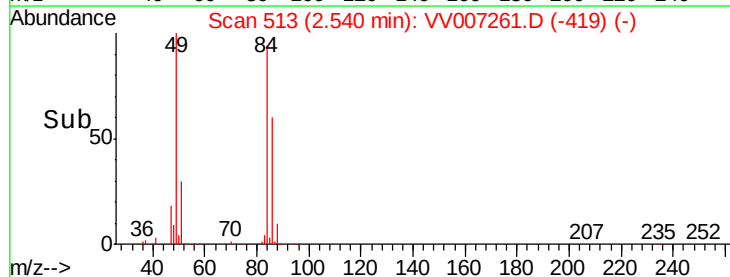
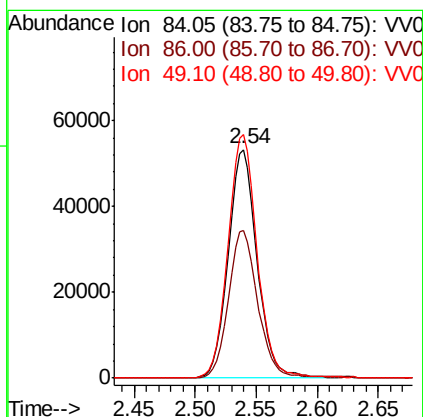
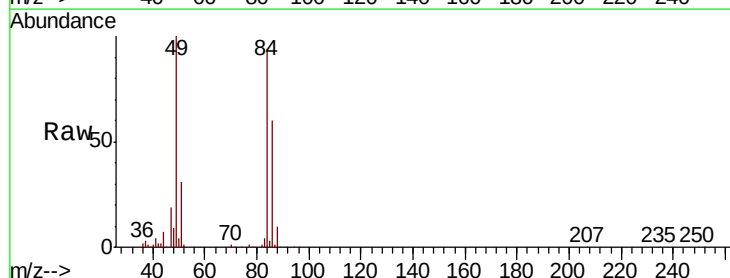
Instrument :
MSVOA_V
ClientSampleId :

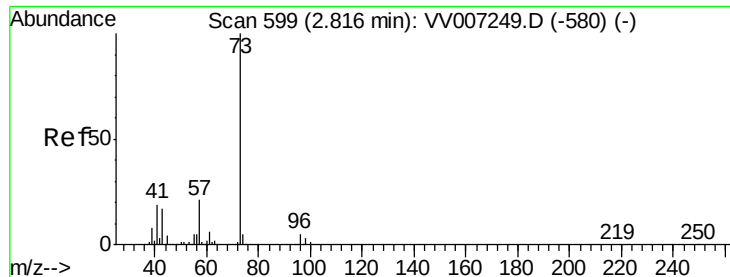
Tot Ion: 43 Resp: 31882
Ion Ratio Lower Upper
43 100
74 28.9 22.2 33.2



#16
Methylene chloride
Concen: 4.966 ug/L
RT: 2.54 min Scan# 513
Delta R.T. 0.00 min
Lab File: VV007261.D
Acq: 29 Aug 2018 17:11

Tgt Ion: 84 Resp: 88616
Ion Ratio Lower Upper
84 100
86 64.3 46.3 85.9
49 106.4 75.2 139.6

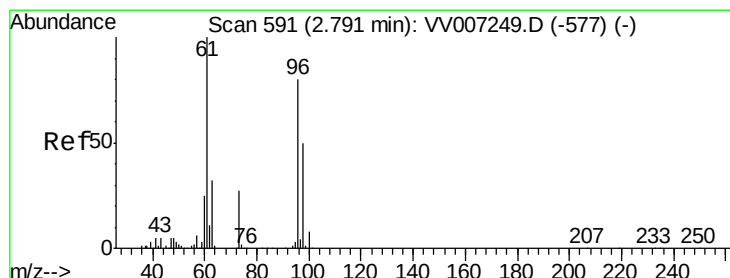
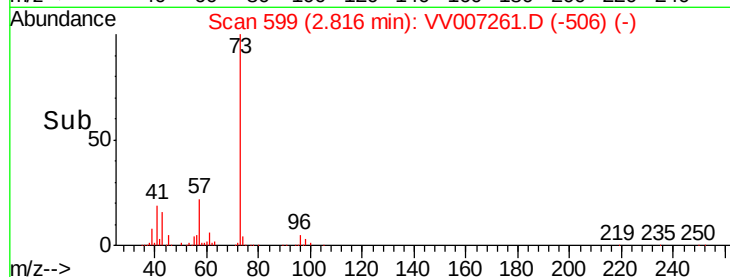
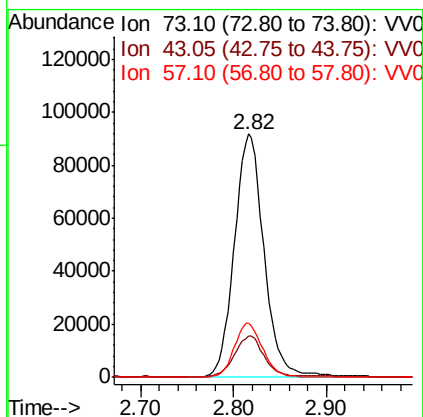
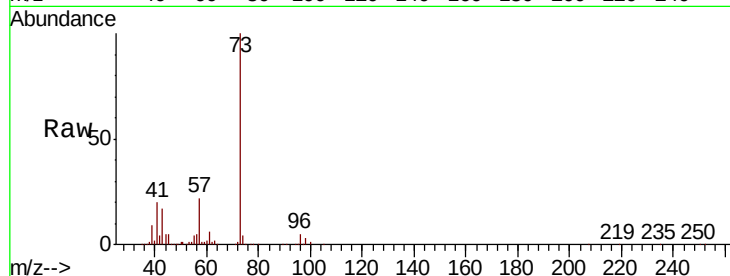




#17
Methvl tert-butyl Ether
Concen: 5.372 ug/L
RT: 2.82 min Scan# 599
Delta R.T. -0.00 min
Lab File: VV007261.D
Acq: 29 Aug 2018 17:11

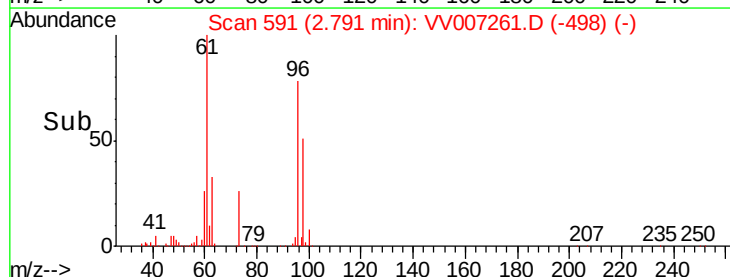
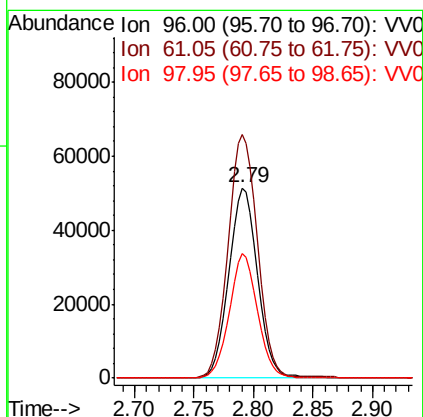
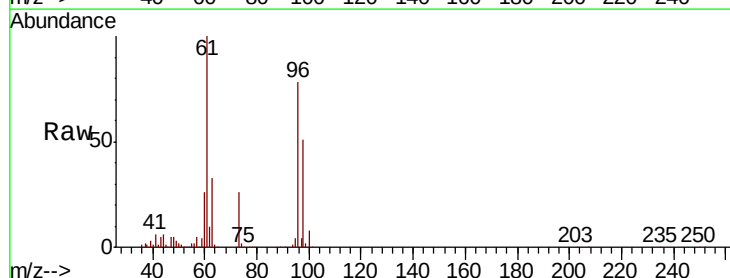
Instrument :
MSVOA_V
ClientSampleId :

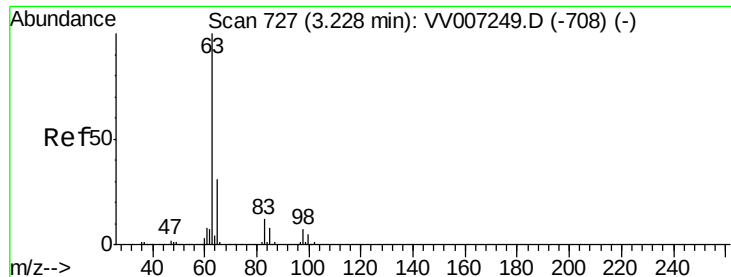
Tot Ion	Ratio	Lower	Upper
73	100		
43	16.3	13.8	20.6
57	21.5	16.9	25.3



#18
trans-1,2-Dichloroethene
Concen: 5.274 ug/L
RT: 2.79 min Scan# 591
Delta R.T. -0.00 min
Lab File: VV007261.D
Acq: 29 Aug 2018 17:11

Tgt Ion	Ratio	Lower	Upper
96	100		
61	128.3	92.7	172.1
98	65.7	43.2	80.2

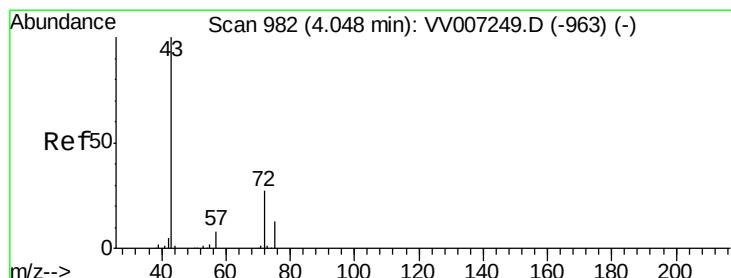
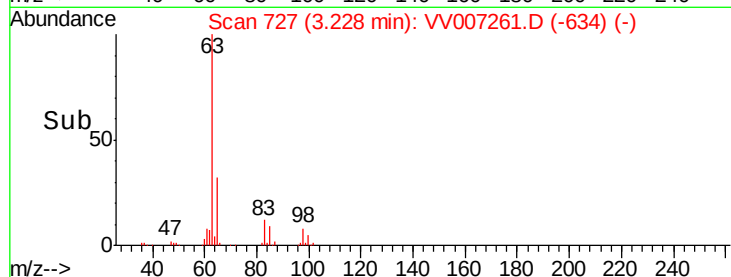
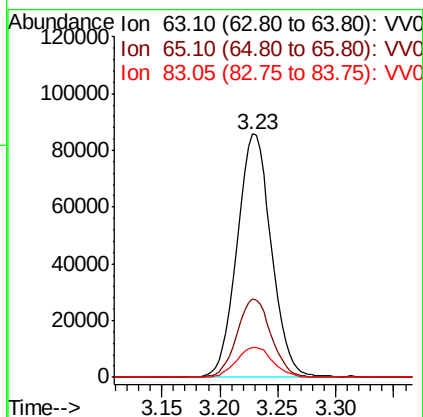
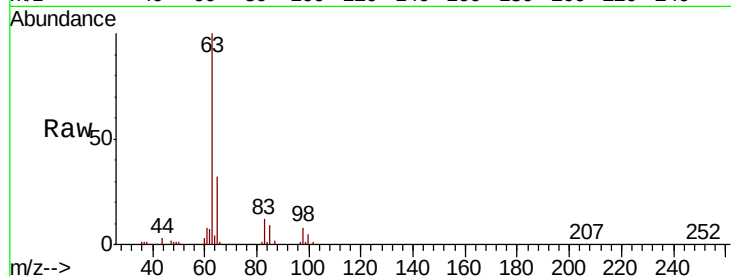




#19
 1,1-Dichloroethane
 Concen: 5.273 ug/L
 RT: 3.23 min Scan# 727
 Delta R.T. -0.00 min
 Lab File: VV007261.D
 Acq: 29 Aug 2018 17:11

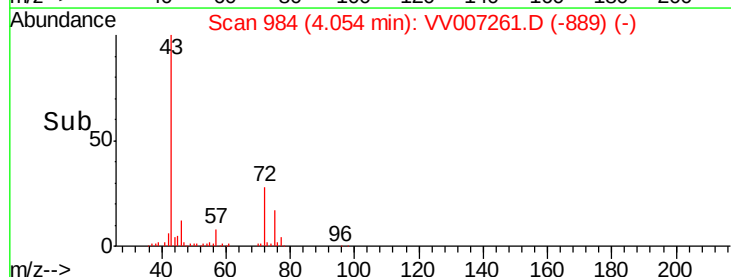
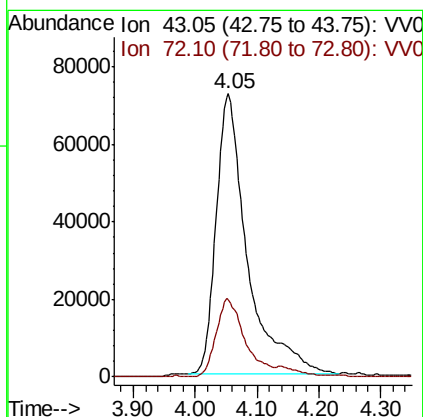
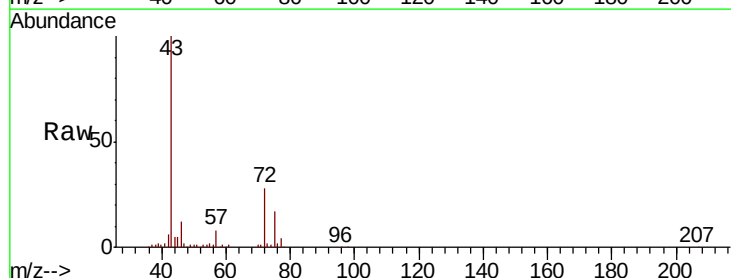
Instrument :
 MSVOA_V
 ClientSampleId :

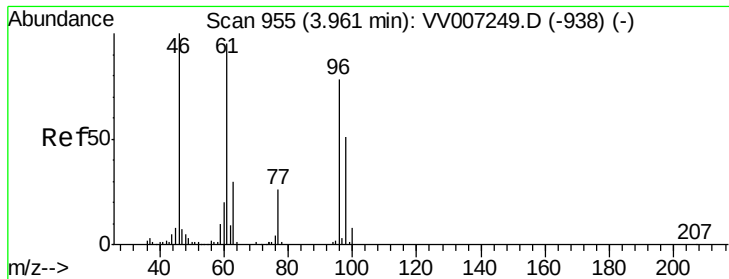
Tot Ion: 63 Resp: 176002
 Ion Ratio Lower Upper
 63 100
 65 32.2 21.8 40.4
 83 12.2 9.4 17.4



#21
 2-Butanone
 Concen: 56.375 ug/L
 RT: 4.05 min Scan# 984
 Delta R.T. 0.01 min
 Lab File: VV007261.D
 Acq: 29 Aug 2018 17:11

Tgt Ion: 43 Resp: 253432
 Ion Ratio Lower Upper
 43 100
 72 25.4 12.4 37.0



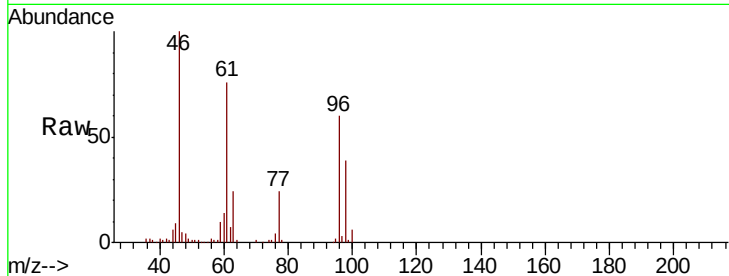


#22

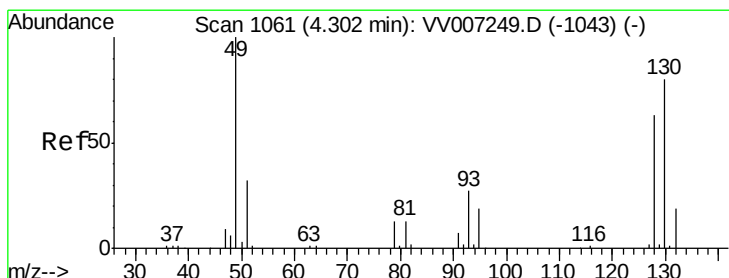
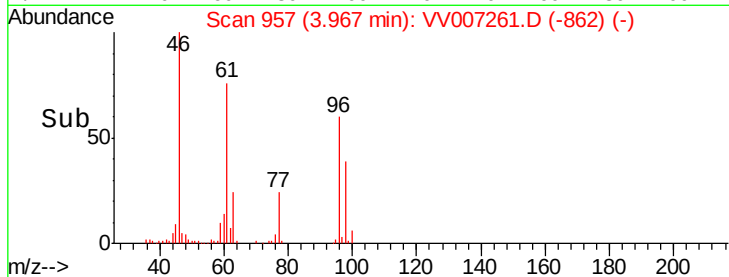
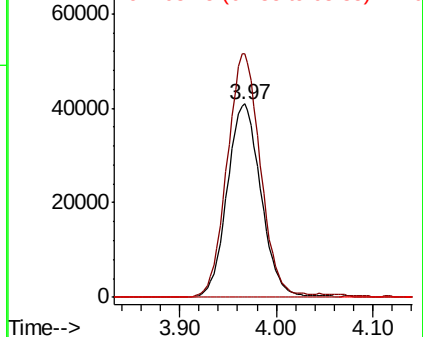
cis-1,2-Dichloroethene
 Concen: 5.274 ug/L
 RT: 3.97 min Scan# 957
 Delta R.T. 0.01 min
 Lab File: VV007261.D
 Acq: 29 Aug 2018 17:11

Instrument :
 MSVOA_V
 ClientSampled :

Tot Ion	96	Resp	99259
Ion Ratio	Lower	Upper	
96	100		
61	125.8	87.1	161.7
68	0.0	0.0	0.0



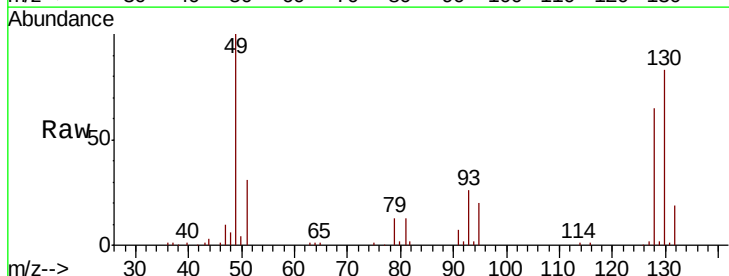
Abundance Ion 96.00 (95.70 to 96.70): VV007249.D (-938) (-)
 Ion 61.05 (60.75 to 61.75): VV007249.D (-938) (-)
 Ion 68.15 (67.85 to 68.85): VV007249.D (-938) (-)



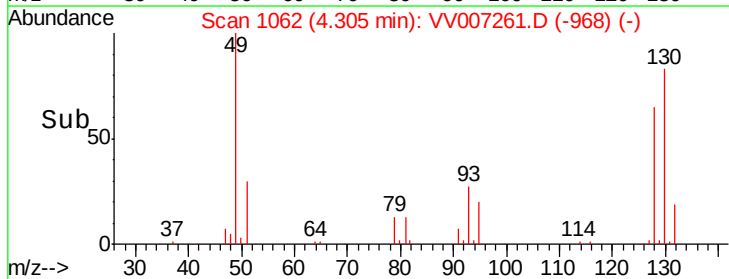
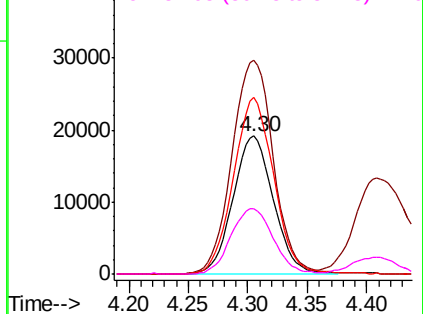
#23

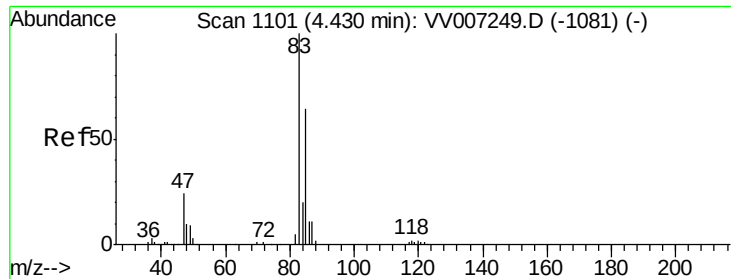
Bromochloromethane
 Concen: 5.287 ug/L
 RT: 4.30 min Scan# 1062
 Delta R.T. 0.00 min
 Lab File: VV007261.D
 Acq: 29 Aug 2018 17:11

Tgt Ion	128	Resp	45066
Ion Ratio	Lower	Upper	
128	100		
49	155.0	111.1	206.3
130	128.4	90.0	167.2
51	47.5	39.6	59.4



Abundance Ion 127.90 (127.60 to 128.60): VV007249.D (-1043) (-)
 Ion 49.10 (48.80 to 49.80): VV007249.D (-1043) (-)
 Ion 129.95 (129.65 to 130.65): VV007249.D (-1043) (-)
 Ion 51.05 (50.75 to 51.75): VV007249.D (-1043) (-)

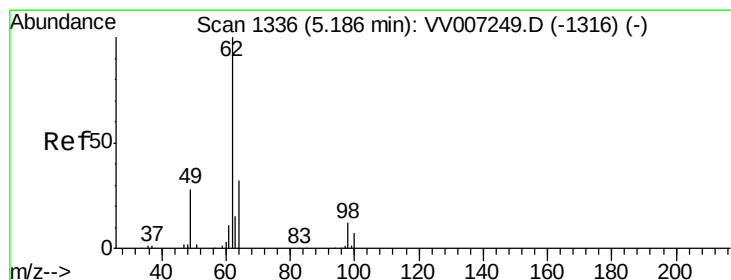
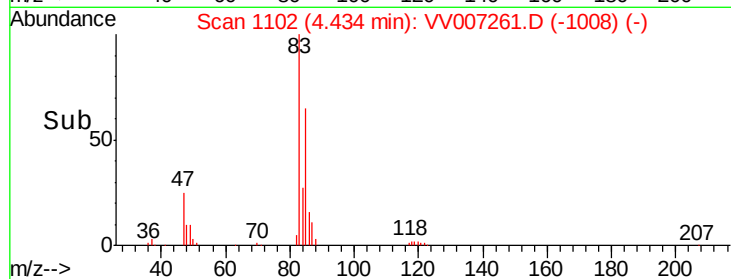
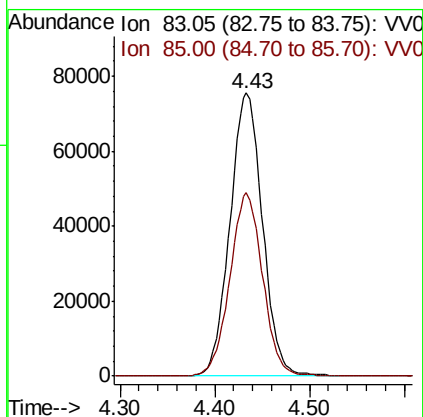
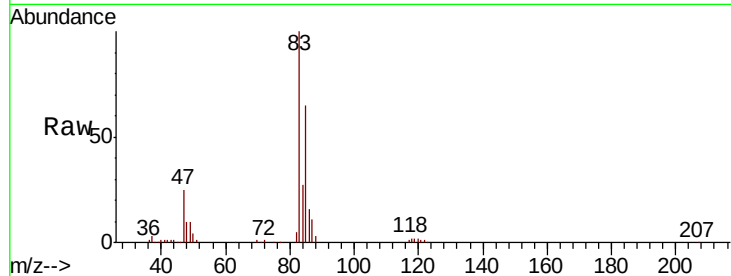




#25
Chloroform
Concen: 5.407 ug/L
RT: 4.43 min Scan# 1102
Delta R.T. 0.00 min
Lab File: VV007261.D
Acq: 29 Aug 2018 17:11

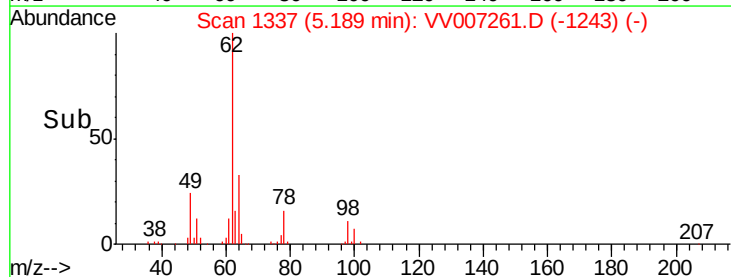
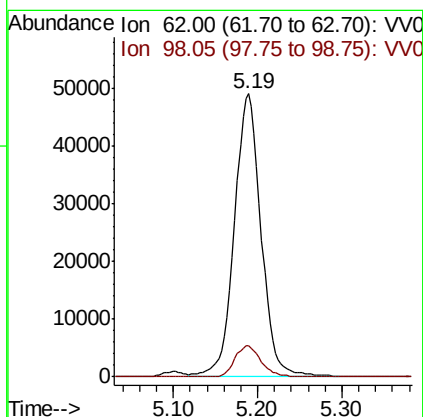
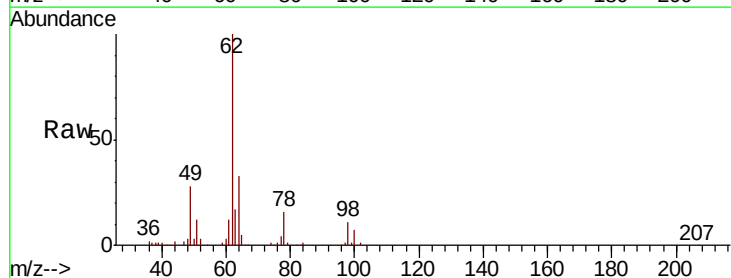
Instrument :
MSVOA_V
ClientSampleId :

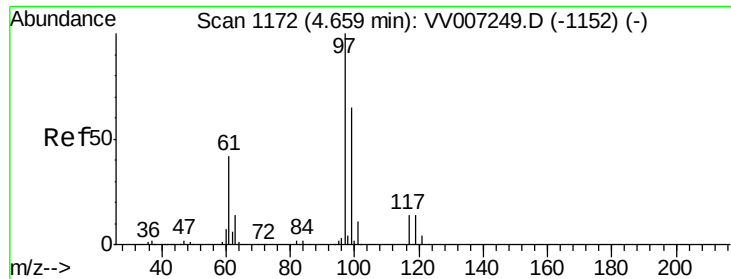
Tot Ion: 83 Resp: 180734
Ion Ratio Lower Upper
83 100
85 64.6 45.0 83.6



#27
1,2-Dichloroethane
Concen: 5.521 ug/L
RT: 5.19 min Scan# 1337
Delta R.T. 0.00 min
Lab File: VV007261.D
Acq: 29 Aug 2018 17:11

Tgt Ion: 62 Resp: 108486
Ion Ratio Lower Upper
62 100
98 11.1 8.1 12.1

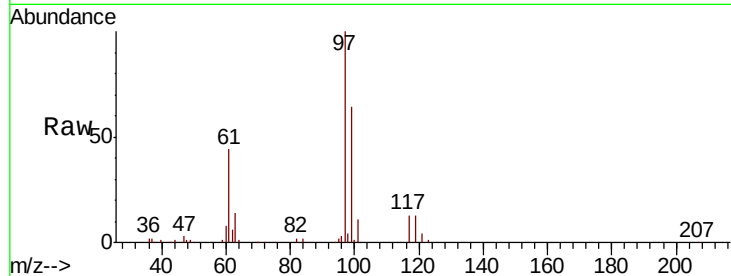




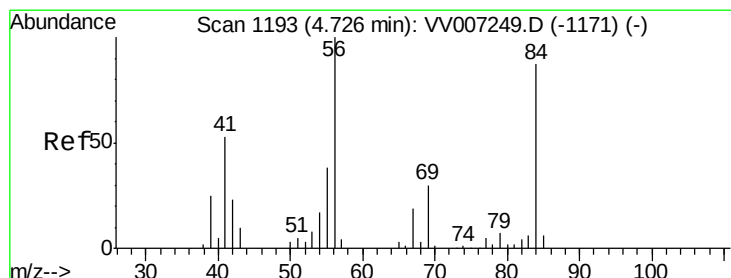
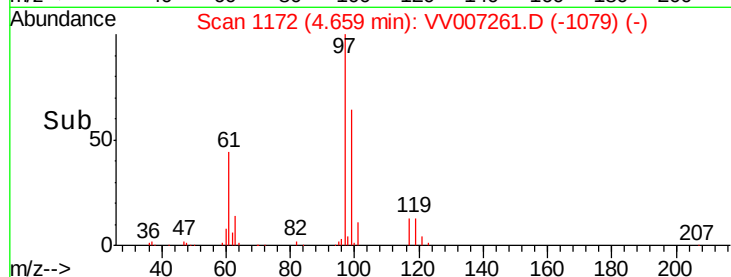
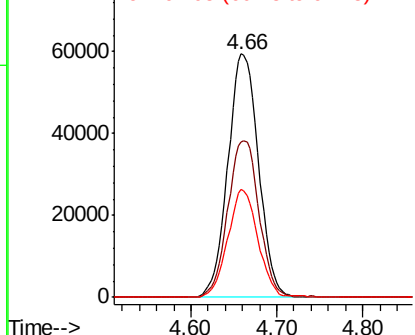
#29
 1,1,1-Trichloroethane
 Concen: 5.271 ug/L
 RT: 4.66 min Scan# 1172
 Delta R.T. -0.00 min
 Lab File: VV007261.D
 Acq: 29 Aug 2018 17:11

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion	97	Resp	147531
Ion Ratio	Lower	Upper	
97	100		
99	65.3	50.8	76.2
61	43.7	34.6	51.8

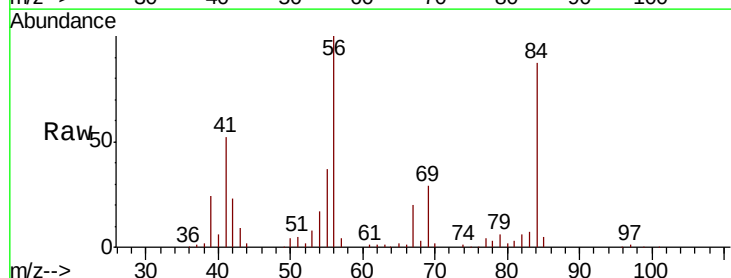


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 61.05 (60.75 to 61.75): VV0

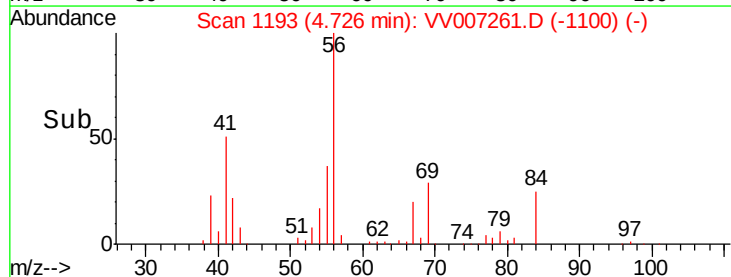
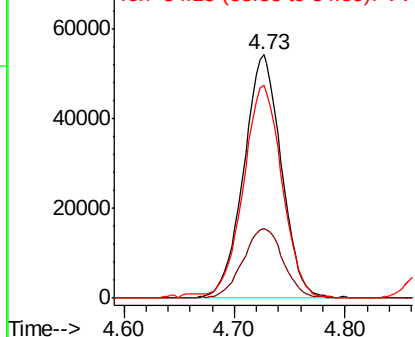


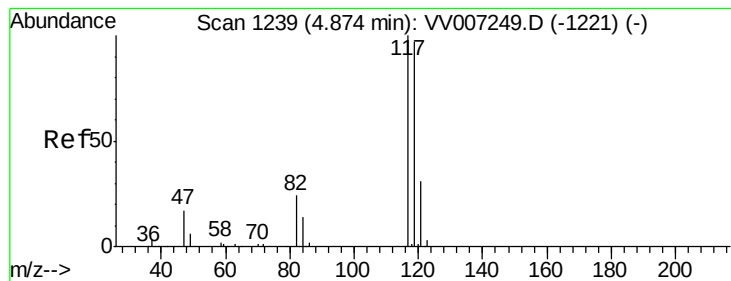
#30
 Cyclohexane
 Concen: 5.203 ug/L
 RT: 4.73 min Scan# 1193
 Delta R.T. -0.00 min
 Lab File: VV007261.D
 Acq: 29 Aug 2018 17:11

Tgt Ion	56	Resp	128167
Ion Ratio	Lower	Upper	
56	100		
69	30.6	24.8	37.2
84	89.9	72.9	109.3



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





#31

Carbon tetrachloride

Concen: 5.272 ug/L

RT: 4.88 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VV007261.D

Acq: 29 Aug 2018 17:11

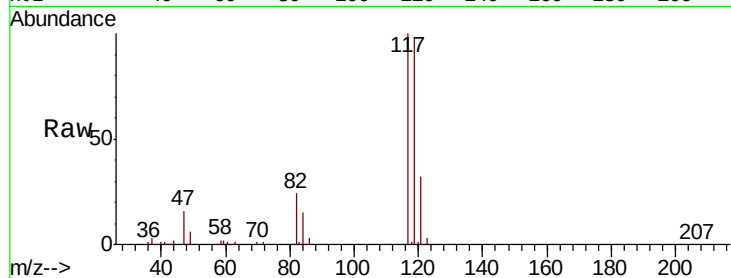
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:117 Resp: 124996

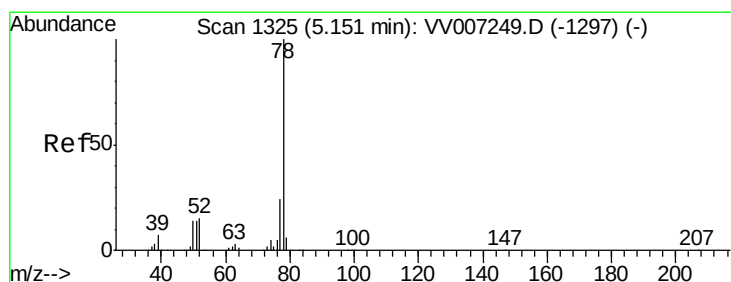
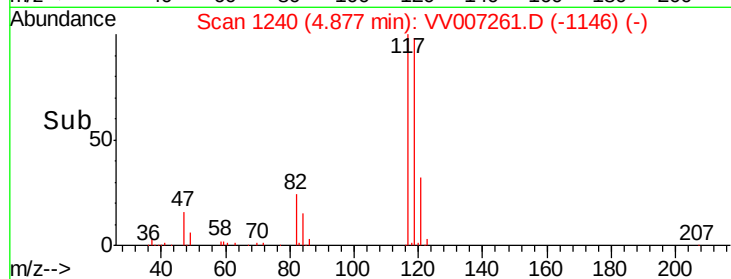
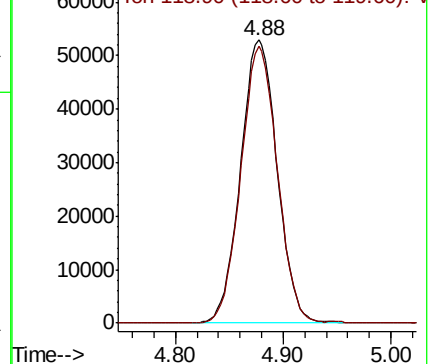
Ion Ratio Lower Upper

117 100

119 97.2 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: 5.421 ug/L

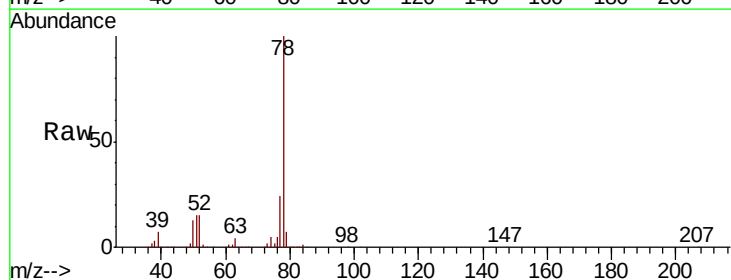
RT: 5.15 min Scan# 1325

Delta R.T. -0.00 min

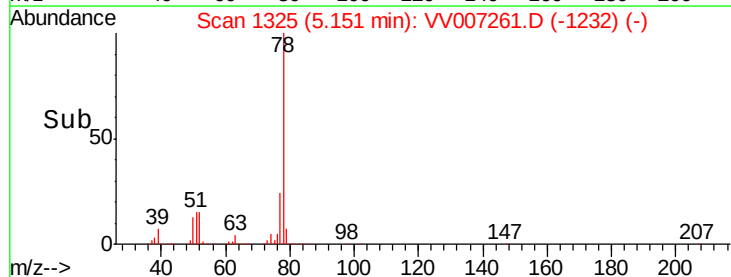
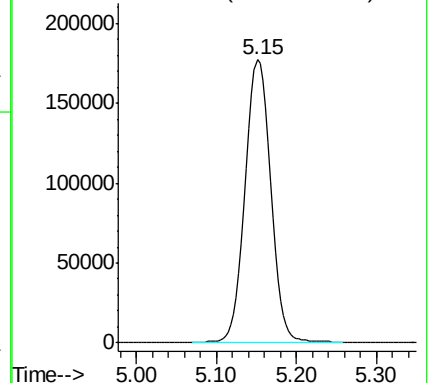
Lab File: VV007261.D

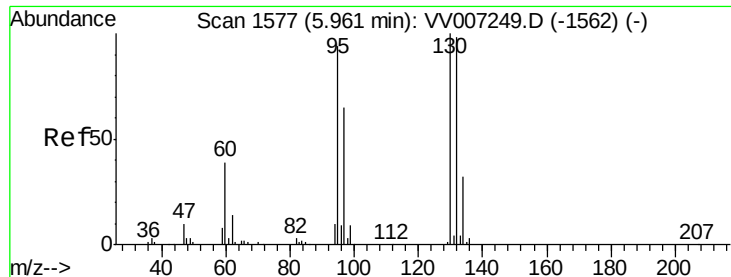
Acq: 29 Aug 2018 17:11

Tgt Ion: 78 Resp: 385792



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 5.224 ug/L

RT: 5.96 min Scan# 1578

Delta R.T. 0.00 min

Lab File: VV007261.D

Acq: 29 Aug 2018 17:11

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion: 95 Resp: 93769

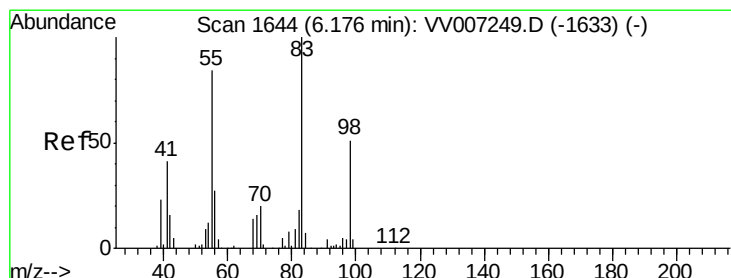
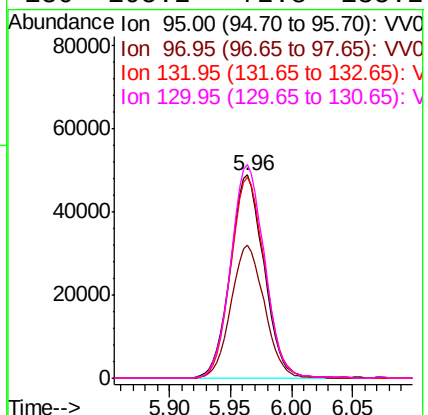
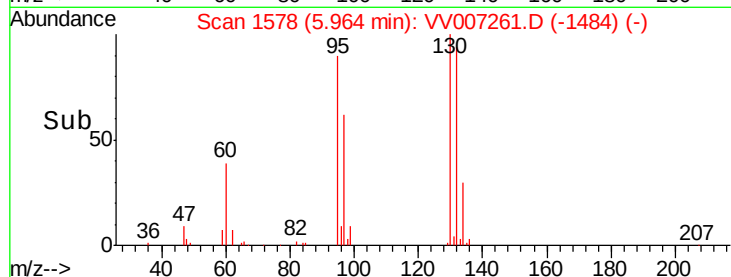
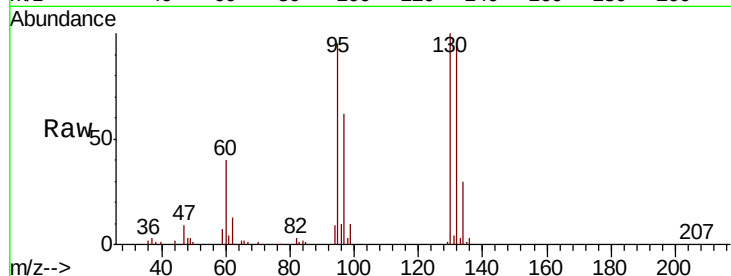
Ion Ratio Lower Upper

95 100

97 65.5 44.2 82.2

132 99.1 71.3 132.3

130 105.2 72.8 135.2



#35

Methylcyclohexane

Concen: 5.083 ug/L

RT: 6.18 min Scan# 1645

Delta R.T. 0.00 min

Lab File: VV007261.D

Acq: 29 Aug 2018 17:11

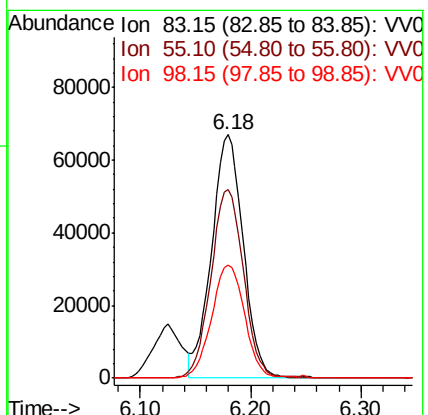
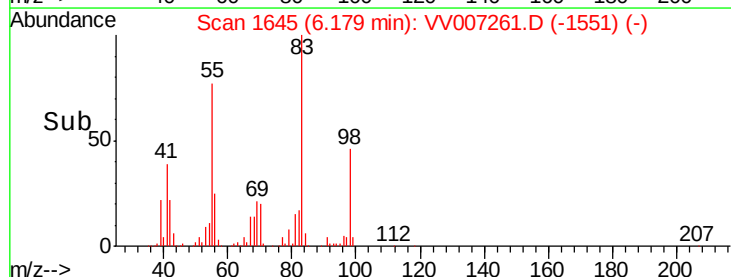
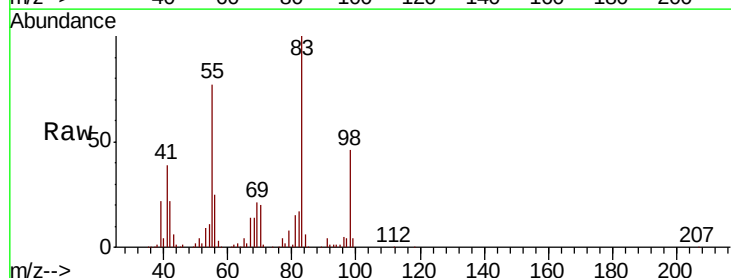
Tgt Ion: 83 Resp: 133421

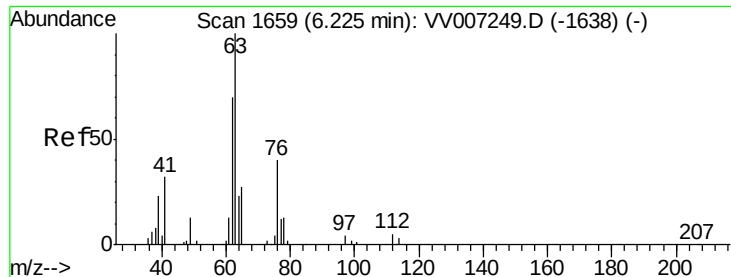
Ion Ratio Lower Upper

83 100

55 79.1 64.0 96.0

98 48.9 38.8 58.2

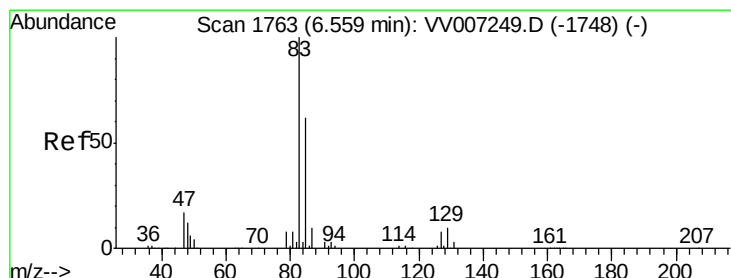
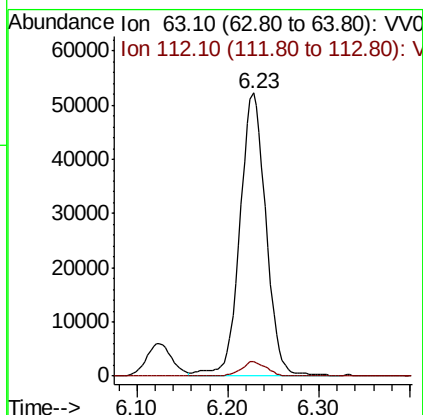
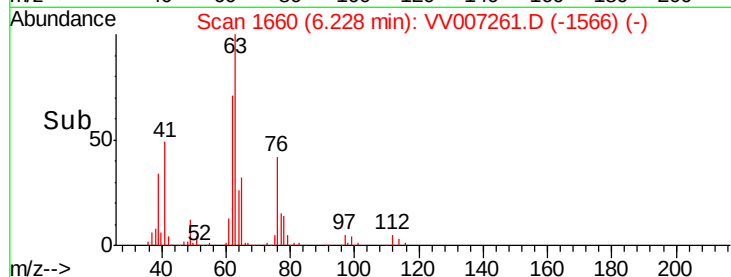
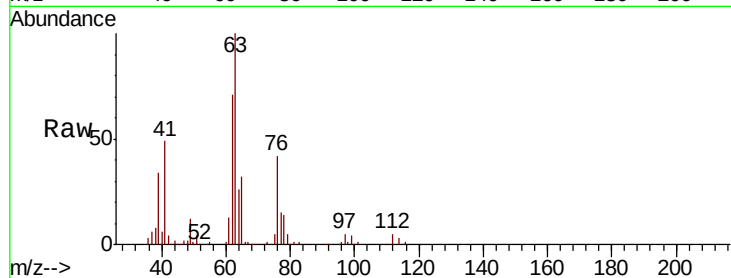




#37
 1,2-Dichloropropane
 Concen: 5.477 ug/L
 RT: 6.23 min Scan# 1660
 Delta R.T. 0.00 min
 Lab File: VV007261.D
 Acq: 29 Aug 2018 17:11

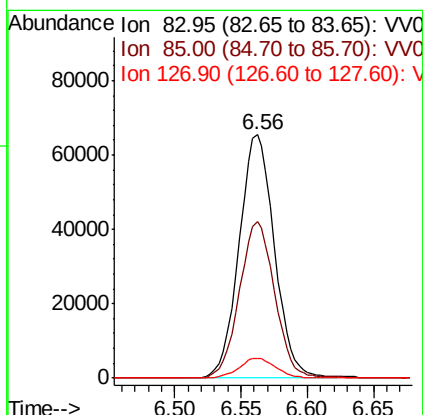
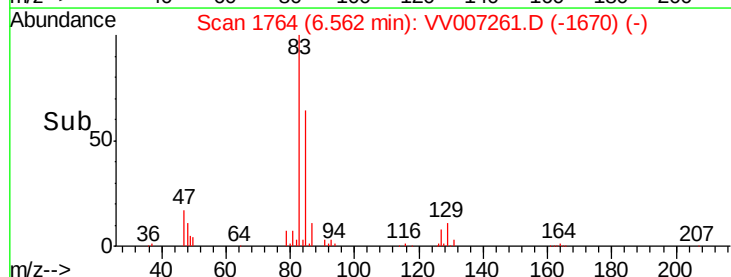
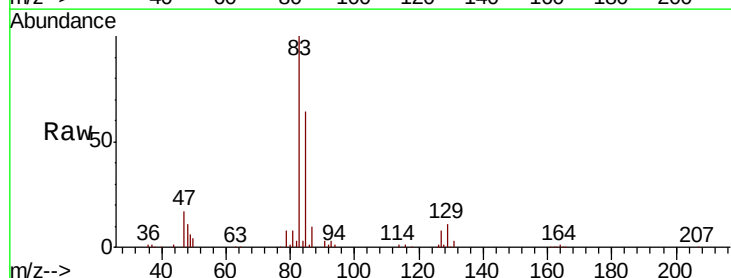
Instrument :
 MSVOA_V
 ClientSampleId :

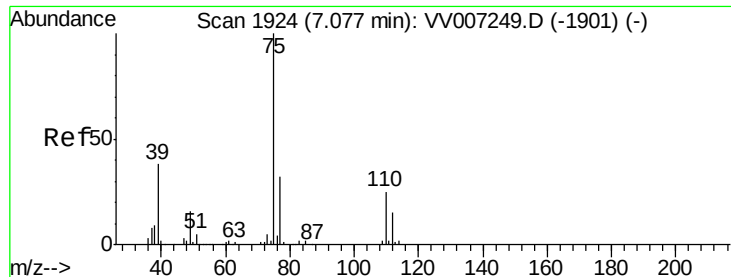
Tot Ion: 63 Resp: 103434
 Ion Ratio Lower Upper
 63 100
 112 5.0 3.9 5.9



#38
 Bromodichloromethane
 Concen: 5.362 ug/L
 RT: 6.56 min Scan# 1764
 Delta R.T. 0.00 min
 Lab File: VV007261.D
 Acq: 29 Aug 2018 17:11

Tgt Ion: 83 Resp: 121419
 Ion Ratio Lower Upper
 83 100
 85 64.3 46.5 86.5
 127 8.3 6.6 10.0

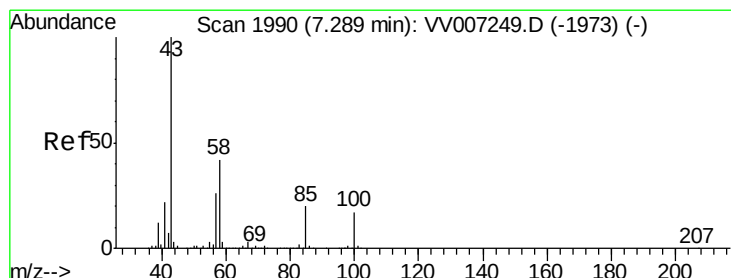
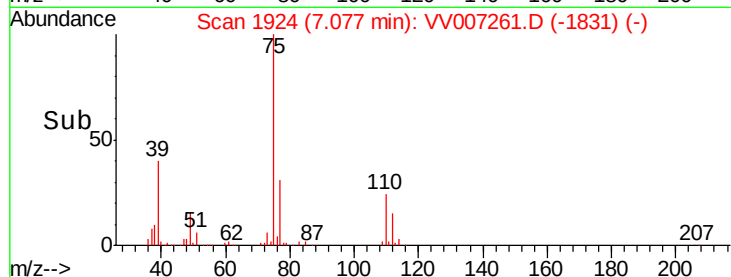
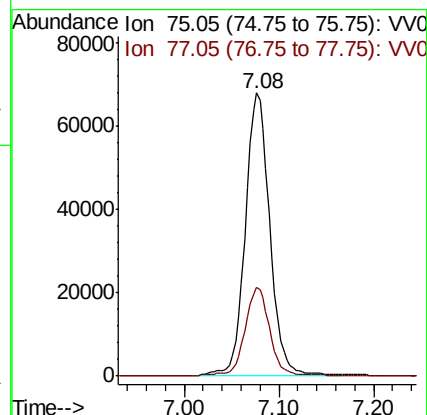
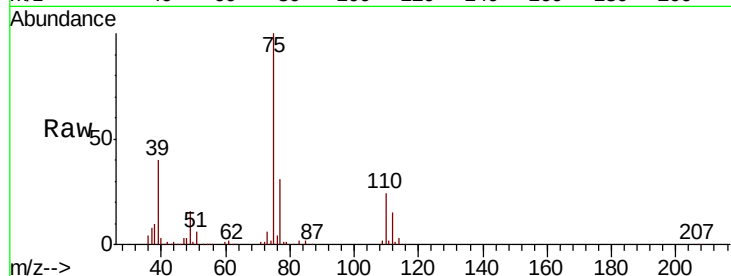




#39
 cis-1,3-Dichloropropene
 Concen: 5.255 ug/L
 RT: 7.08 min Scan# 1924
 Delta R.T. -0.00 min
 Lab File: VV007261.D
 Acq: 29 Aug 2018 17:11

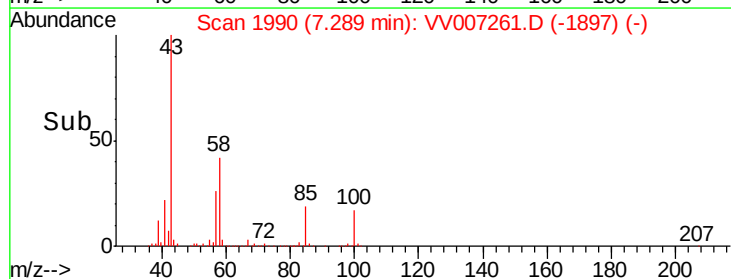
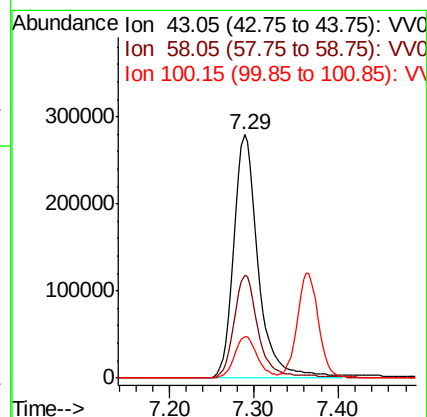
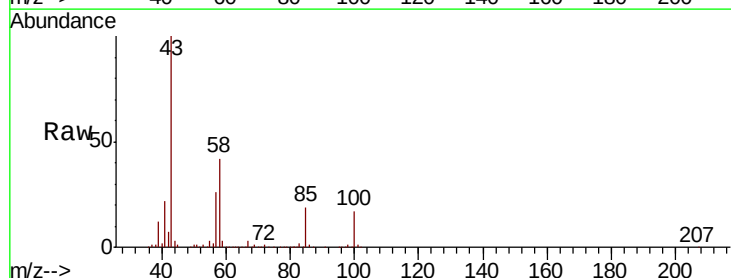
Instrument :
 MSVOA_V
 ClientSampleId :

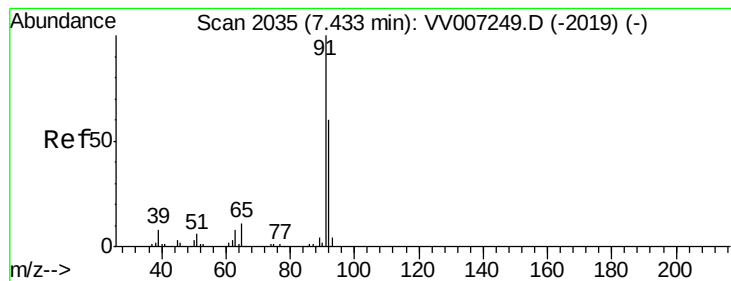
Tot Ion: 75 Resp: 123130
 Ion Ratio Lower Upper
 75 100
 77 31.2 22.2 41.2



#40
 4-Methyl-2-pentanone
 Concen: 57.204 ug/L
 RT: 7.29 min Scan# 1990
 Delta R.T. -0.00 min
 Lab File: VV007261.D
 Acq: 29 Aug 2018 17:11

Tgt Ion: 43 Resp: 565837
 Ion Ratio Lower Upper
 43 100
 58 41.2 33.8 50.8
 100 15.9 13.1 19.7





#42

Toluene

Concen: 5.615 ug/L

RT: 7.44 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VV007261.D

Acq: 29 Aug 2018 17:11

Instrument :

MSVOA_V

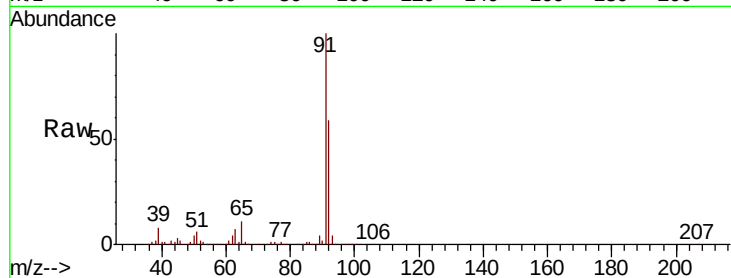
ClientSampleId :

Tot Ion: 91 Resp: 392347

Ion Ratio Lower Upper

91 100

92 59.3 41.1 76.3



Abundance Ion 91.15 (90.85 to 91.85): VV007249.D (-2019) (-)

Ion 92.15 (91.85 to 92.85): VV007261.D (-1942) (-)

7.44

250000

200000

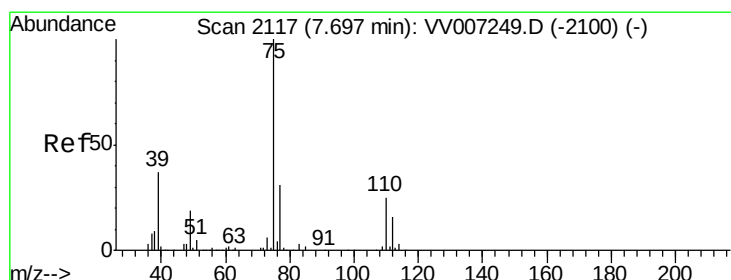
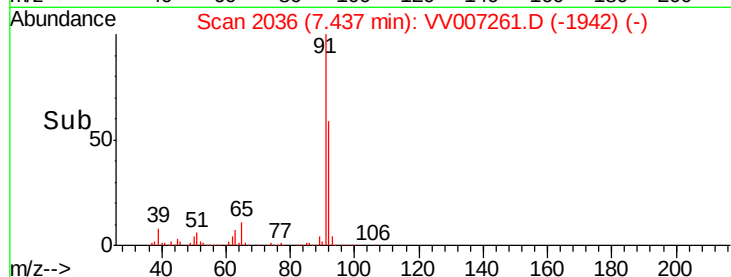
150000

100000

50000

0

Time--> 7.35 7.40 7.45 7.50 7.55



#44

trans-1,3-Dichloropropene

Concen: 5.229 ug/L

RT: 7.70 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VV007261.D

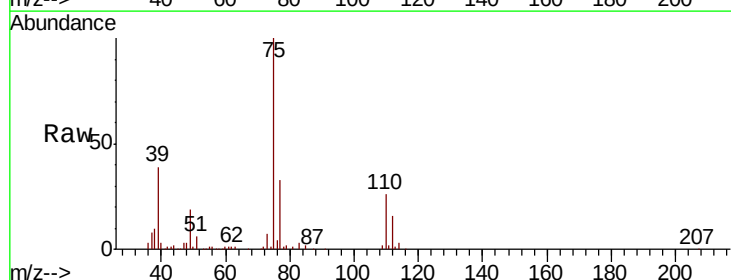
Acq: 29 Aug 2018 17:11

Tgt Ion: 75 Resp: 102183

Ion Ratio Lower Upper

75 100

77 32.8 22.5 41.9



Abundance Ion 75.05 (74.75 to 75.75): VV007249.D (-2100) (-)

Ion 77.05 (76.75 to 77.75): VV007261.D (-2024) (-)

7.70

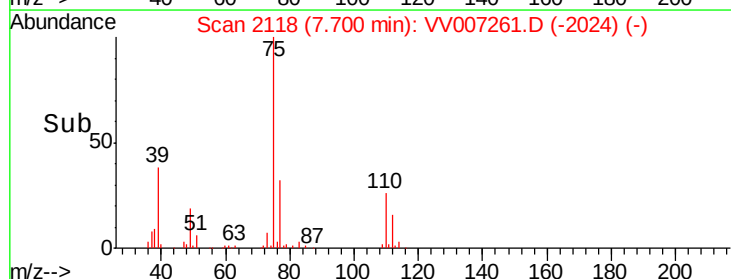
60000

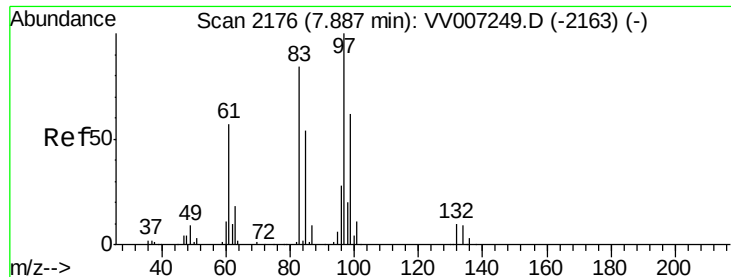
40000

20000

0

Time--> 7.60 7.70 7.80





#45

1,1,2-Trichloroethane

Concen: 5.463 ug/L

RT: 7.89 min Scan# 2176

Delta R.T. -0.00 min

Lab File: VV007261.D

Acq: 29 Aug 2018 17:11

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 97 Resp: 74383

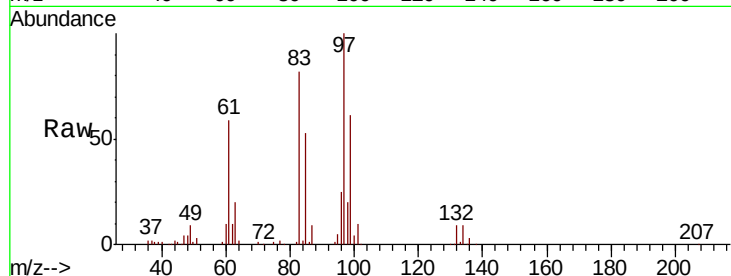
Ion	Ratio	Lower	Upper
97	100		
99	61.2	42.6	79.0
83	82.1	57.3	106.3
85	52.9	38.3	71.1

97 100

99 61.2 42.6 79.0

83 82.1 57.3 106.3

85 52.9 38.3 71.1



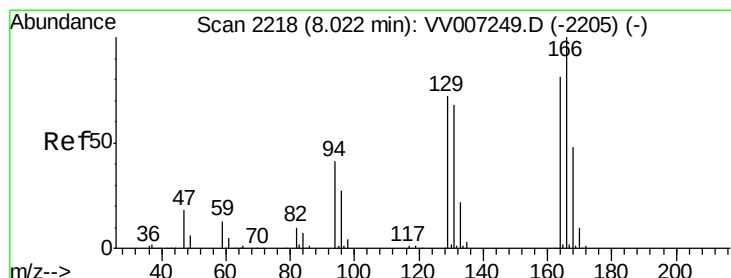
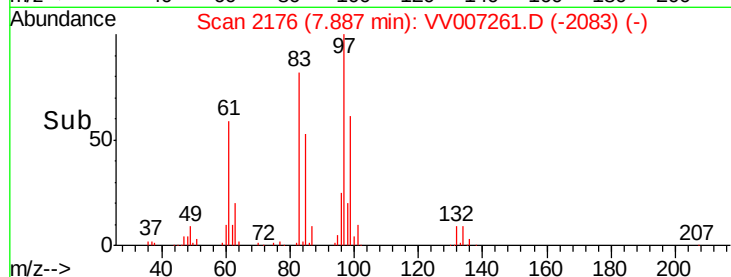
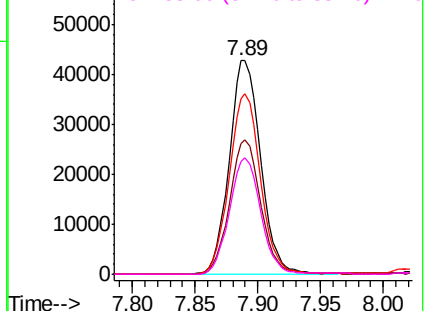
Abundance

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: 5.331 ug/L

RT: 8.02 min Scan# 2218

Delta R.T. -0.00 min

Lab File: VV007261.D

Acq: 29 Aug 2018 17:11

Tgt Ion: 164 Resp: 79081

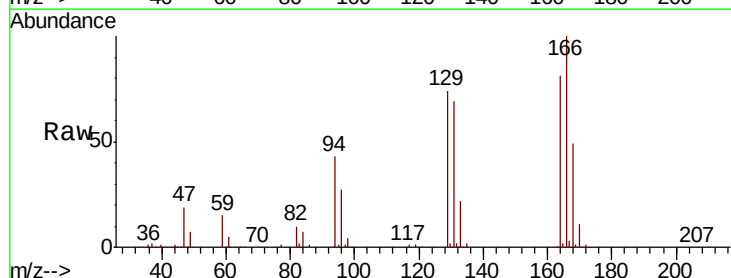
Ion	Ratio	Lower	Upper
164	100		
129	91.3	62.7	116.5
131	85.8	60.1	111.7
166	123.5	86.4	160.4

164 100

129 91.3 62.7 116.5

131 85.8 60.1 111.7

166 123.5 86.4 160.4



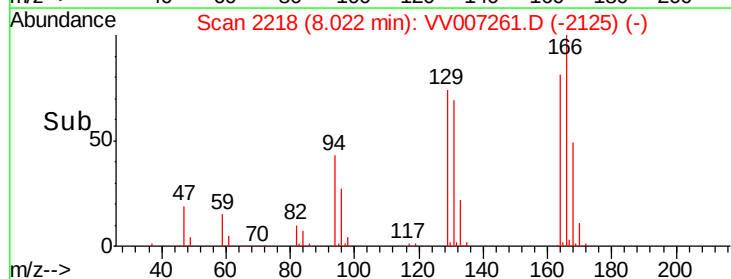
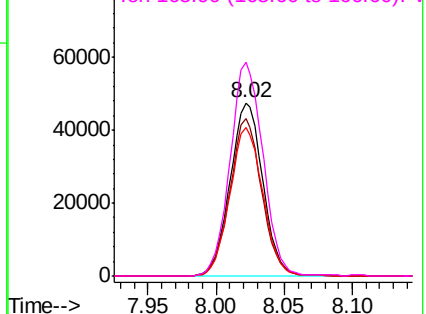
Abundance

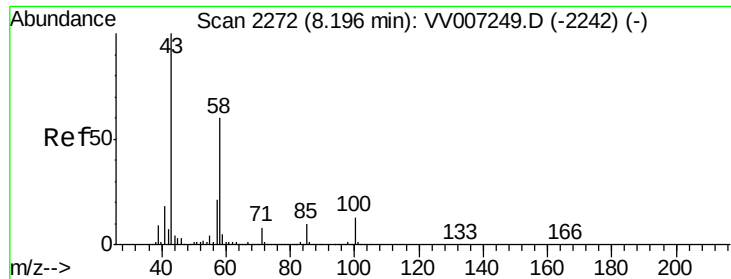
Ion 163.90 (163.60 to 164.60): V

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

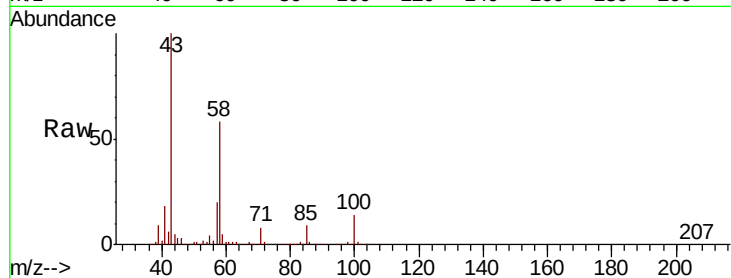




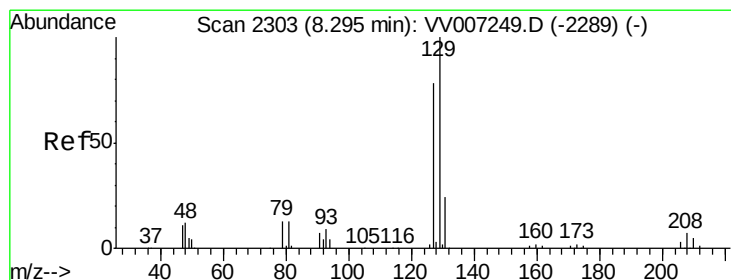
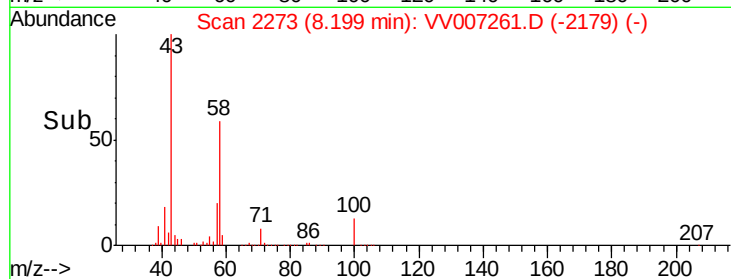
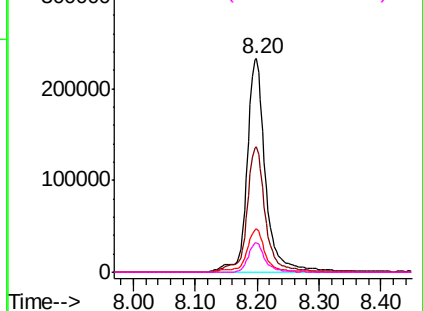
#48
2-Hexanone
Concen: 65.275 ug/L
RT: 8.20 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VV007261.D
Acq: 29 Aug 2018 17:11

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 481856
Ion Ratio Lower Upper
43 100
58 60.2 50.0 75.0
57 20.8 16.6 25.0
100 11.8 10.2 15.4

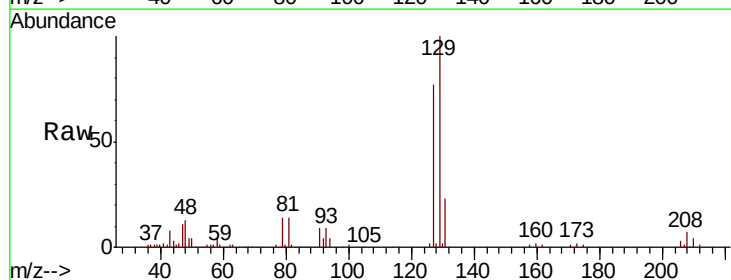


Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0

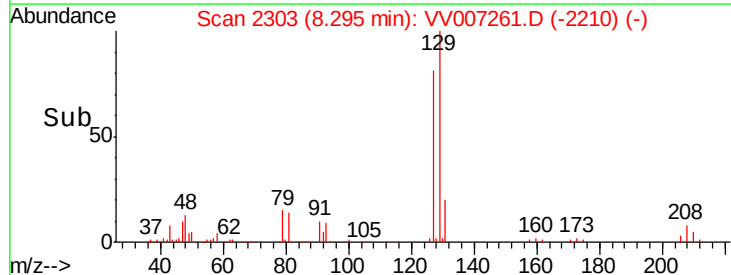
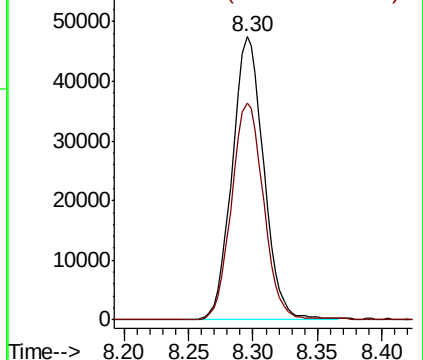


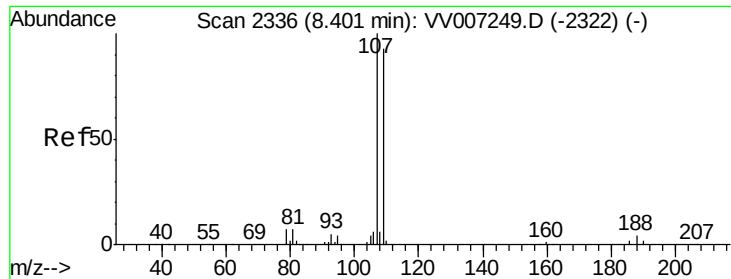
#49
Dibromochloromethane
Concen: 5.283 ug/L
RT: 8.30 min Scan# 2303
Delta R.T. -0.00 min
Lab File: VV007261.D
Acq: 29 Aug 2018 17:11

Tgt Ion: 129 Resp: 80952
Ion Ratio Lower Upper
129 100
127 76.8 54.9 101.9



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

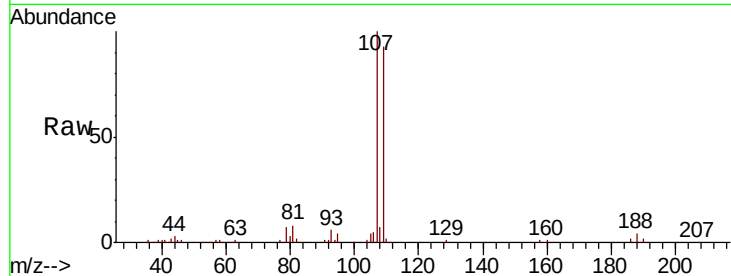




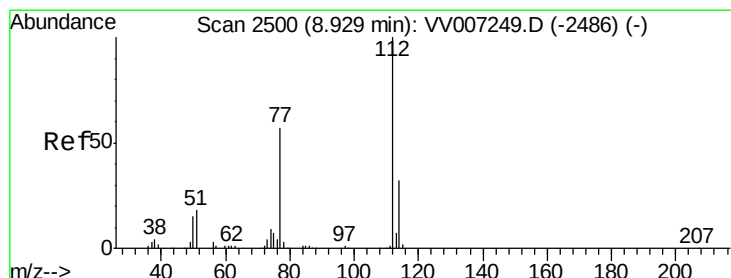
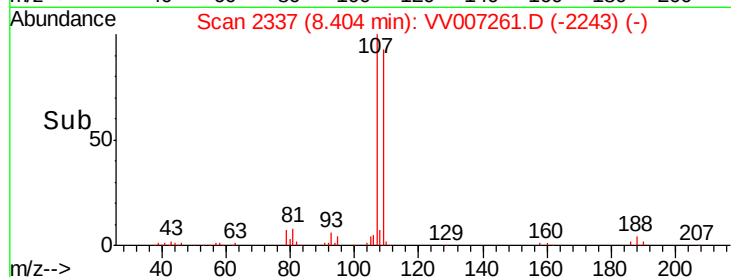
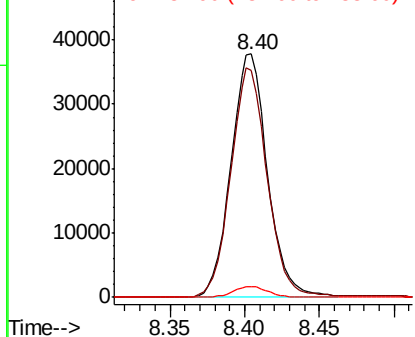
#50
1,2-Dibromoethane
Concen: 5.531 ug/L
RT: 8.40 min Scan# 2337
Delta R.T. 0.00 min
Lab File: VV007261.D
Acq: 29 Aug 2018 17:11

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:107 Resp: 64373
Ion Ratio Lower Upper
107 100
109 93.0 65.9 122.3
188 4.5 3.5 5.3

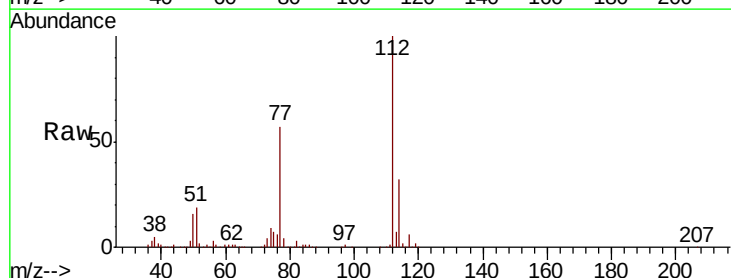


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

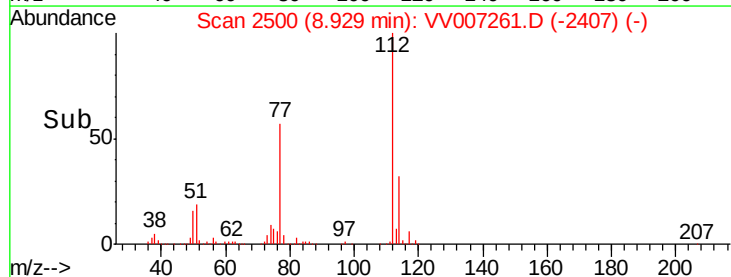
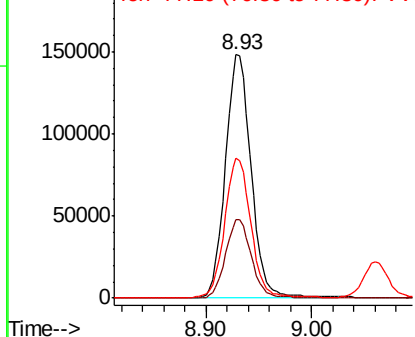


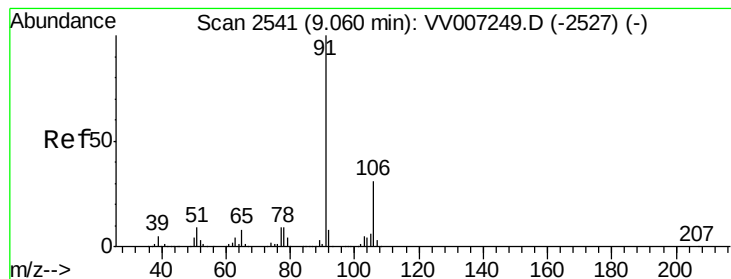
#51
Chlorobenzene
Concen: 5.273 ug/L
RT: 8.93 min Scan# 2500
Delta R.T. -0.00 min
Lab File: VV007261.D
Acq: 29 Aug 2018 17:11

Tgt Ion:112 Resp: 250460
Ion Ratio Lower Upper
112 100
114 32.3 22.0 41.0
77 57.4 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): V





#52

Ethylbenzene

Concen: 5.308 ug/L

RT: 9.06 min Scan# 2541

Delta R.T. -0.00 min

Lab File: VV007261.D

Acq: 29 Aug 2018 17:11

Instrument :

MSVOA_V

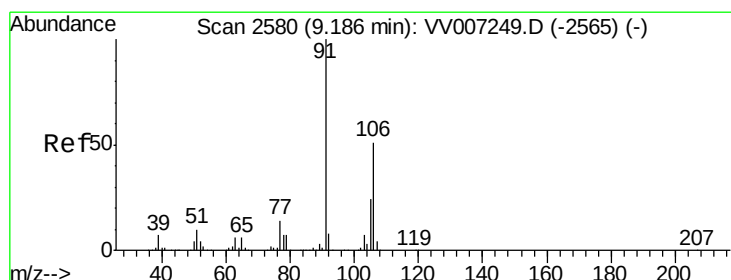
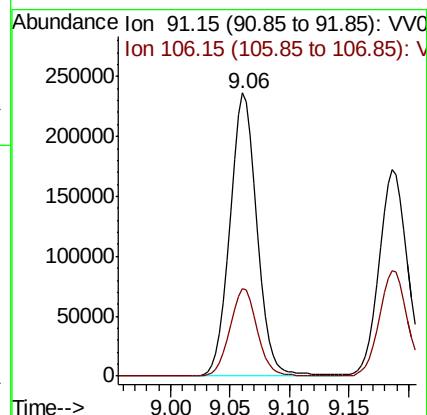
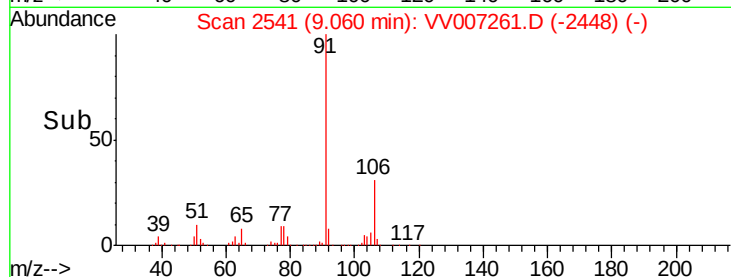
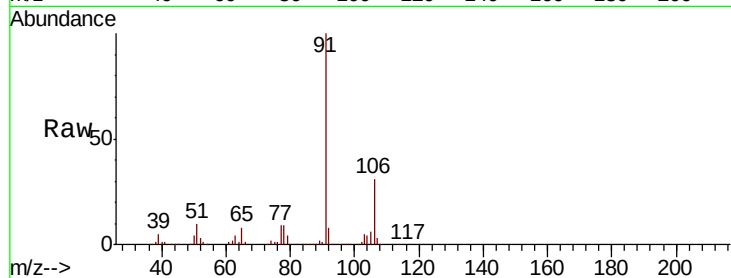
ClientSampleId :

Tot Ion: 91 Resp: 372525

Ion Ratio Lower Upper

91 100

106 30.9 22.3 41.3



#53

m,p-xylene

Concen: 5.442 ug/L

RT: 9.19 min Scan# 2580

Delta R.T. -0.00 min

Lab File: VV007261.D

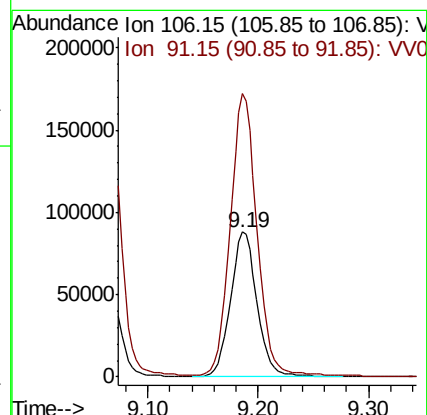
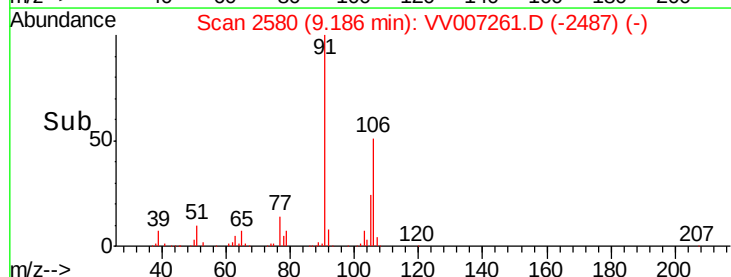
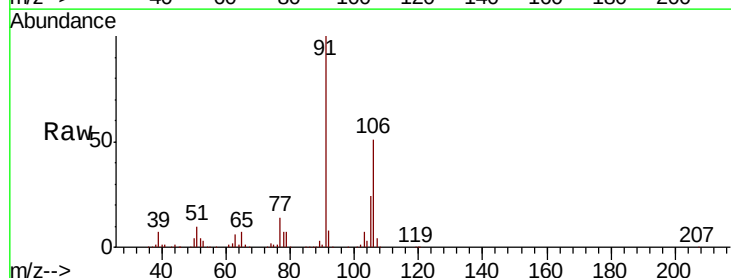
Acq: 29 Aug 2018 17:11

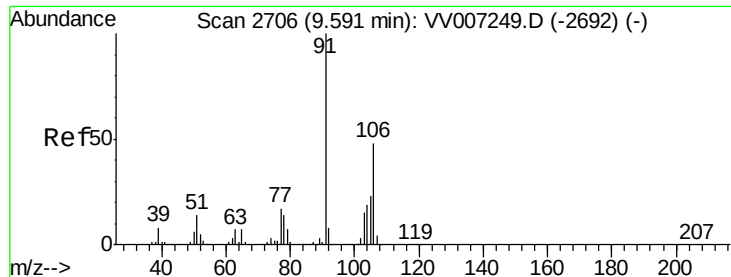
Tgt Ion: 106 Resp: 145449

Ion Ratio Lower Upper

106 100

91 195.2 138.4 257.0





#54

o-xylene

Concen: 5.385 ug/L

RT: 9.59 min Scan# 2707

Delta R.T. 0.00 min

Lab File: VV007261.D

Acq: 29 Aug 2018 17:11

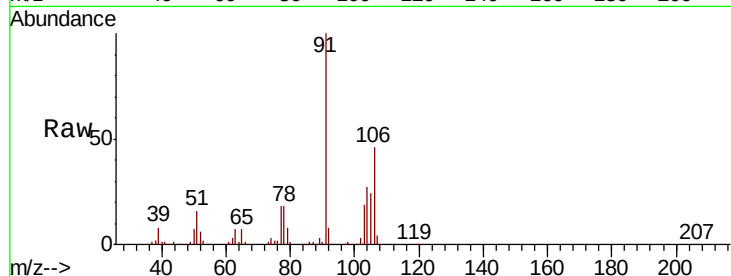
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:106 Resp: 133949

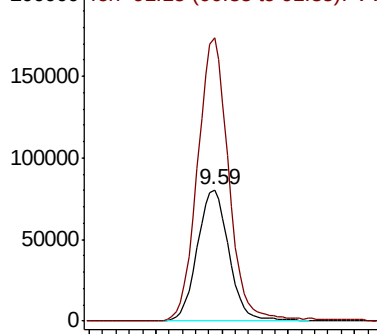
Ion Ratio Lower Upper

106 100

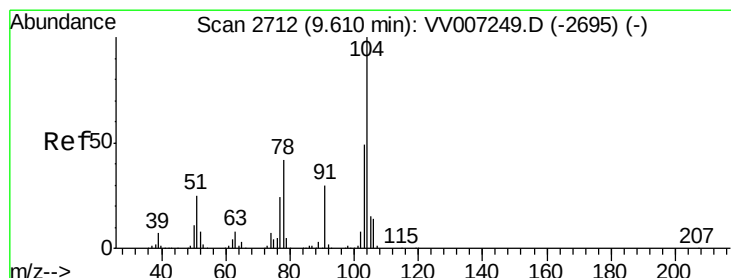
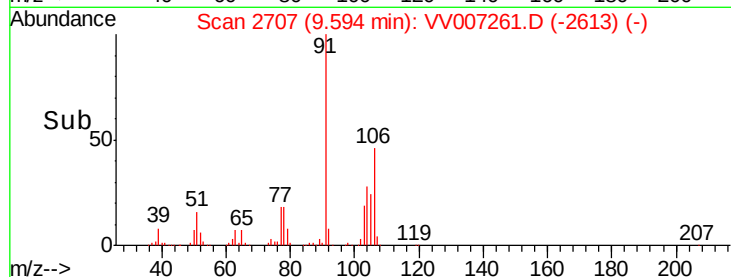
91 215.8 146.9 272.7



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



Time--> 9.50 9.55 9.60 9.65 9.70



#55

Styrene

Concen: 5.592 ug/L

RT: 9.61 min Scan# 2712

Delta R.T. -0.00 min

Lab File: VV007261.D

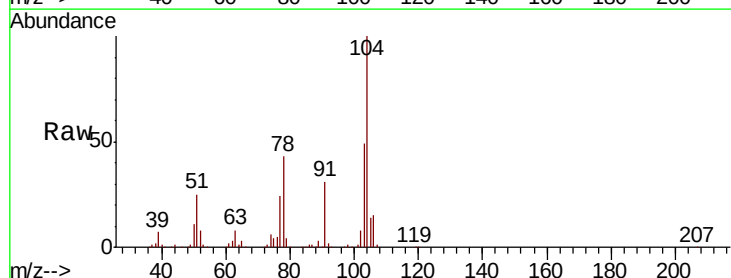
Acq: 29 Aug 2018 17:11

Tgt Ion:104 Resp: 243872

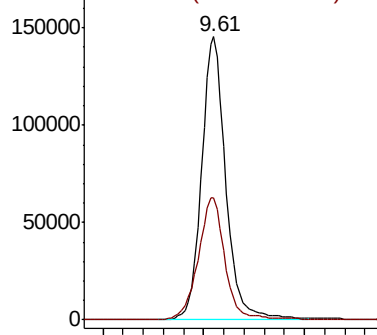
Ion Ratio Lower Upper

104 100

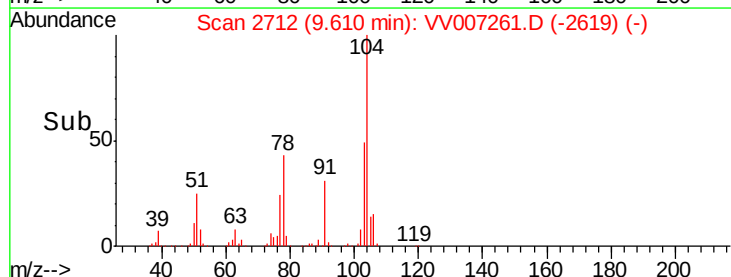
78 43.1 30.2 56.2

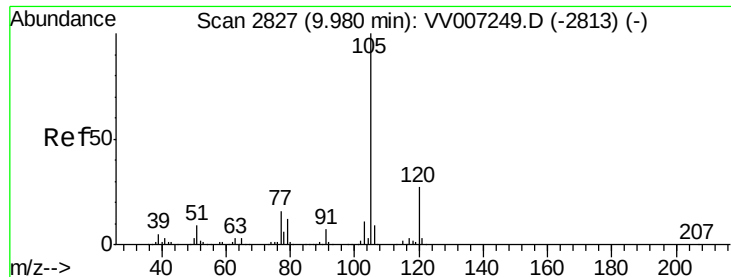


Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VV0



Time--> 9.50 9.60 9.70





#56

Isopropylbenzene

Concen: 5.405 ug/L

RT: 9.98 min Scan# 2827

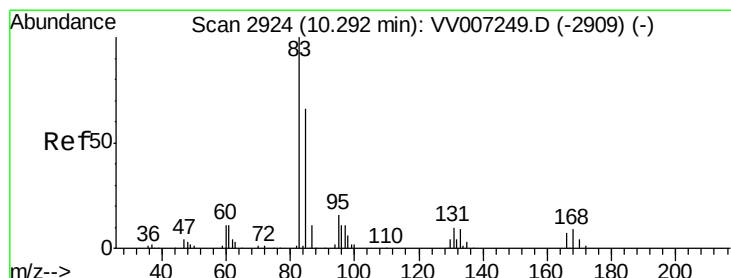
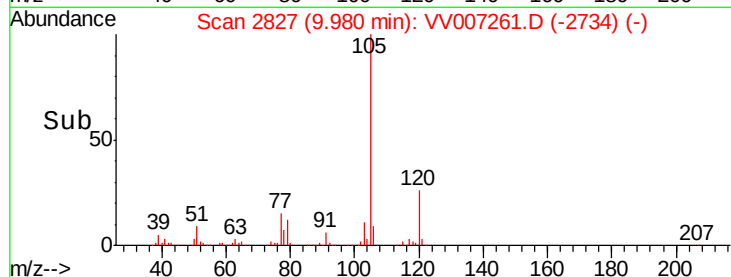
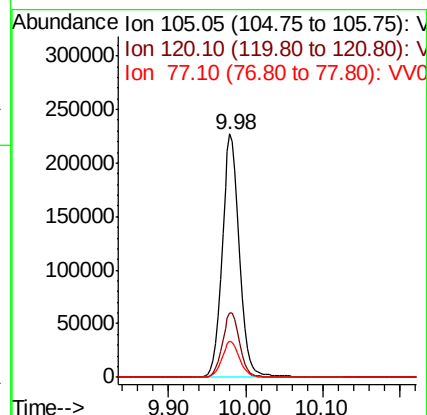
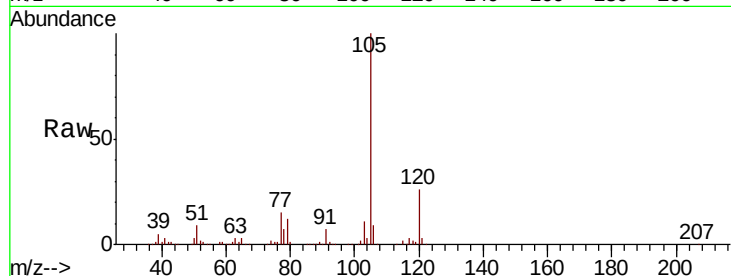
Delta R.T. -0.00 min

Lab File: VV007261.D

Acq: 29 Aug 2018 17:11

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:105	Resp:	357569
Ion Ratio	Lower	Upper
105 100		
120 26.6	21.0	31.4
77 14.8	12.1	18.1



#58

1,1,2,2-Tetrachloroethane

Concen: 5.608 ug/L

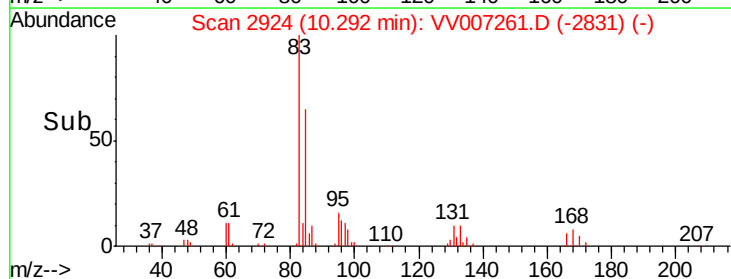
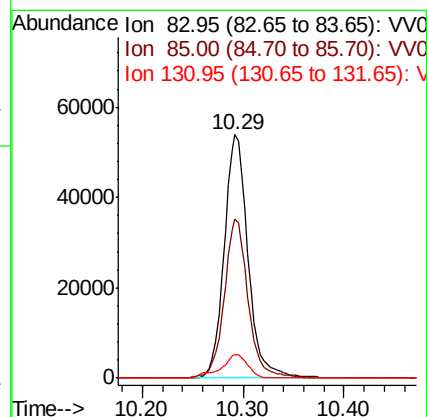
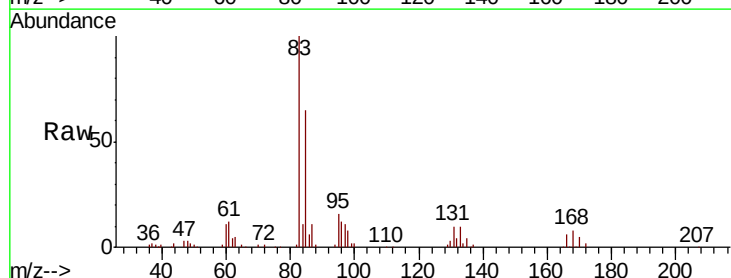
RT: 10.29 min Scan# 2924

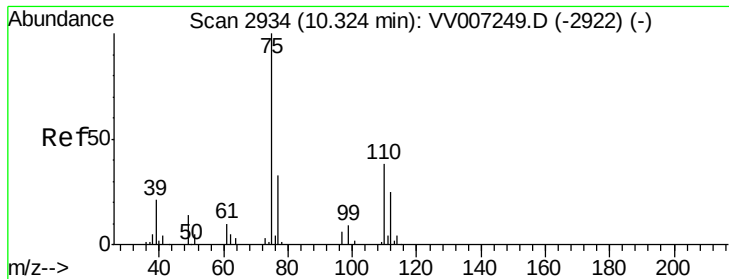
Delta R.T. -0.00 min

Lab File: VV007261.D

Acq: 29 Aug 2018 17:11

Tgt Ion: 83	Resp:	89309
Ion Ratio	Lower	Upper
83 100		
85 65.2	43.7	81.1
131 9.7	7.7	11.5





#59

1,2,3-Trichloropropane

Concen: 5.606 ug/L

RT: 10.32 min Scan# 2934

Delta R.T. -0.00 min

Lab File: VV007261.D

Acq: 29 Aug 2018 17:11

Instrument :

MSVOA_V

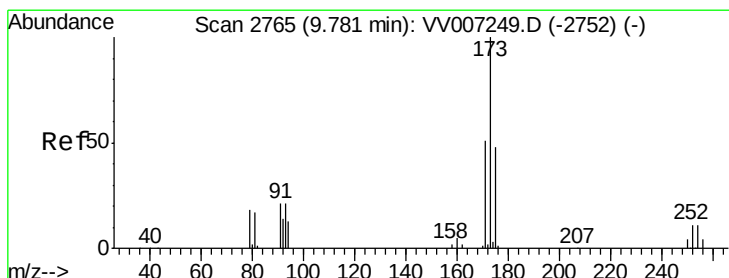
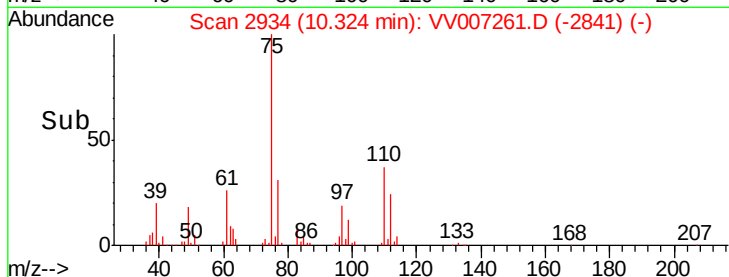
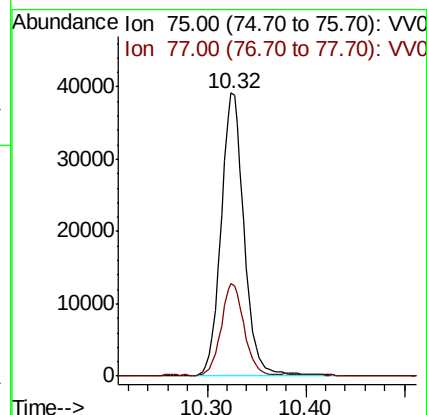
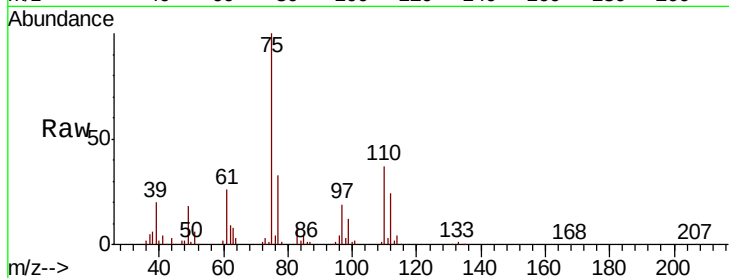
ClientSampleId :

Tot Ion: 75 Resp: 64328

Ion Ratio Lower Upper

75 100

77 31.9 26.0 39.0



#61

Bromoform

Concen: 5.253 ug/L

RT: 9.78 min Scan# 2765

Delta R.T. -0.00 min

Lab File: VV007261.D

Acq: 29 Aug 2018 17:11

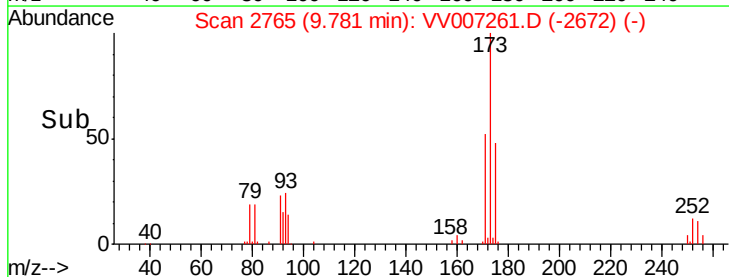
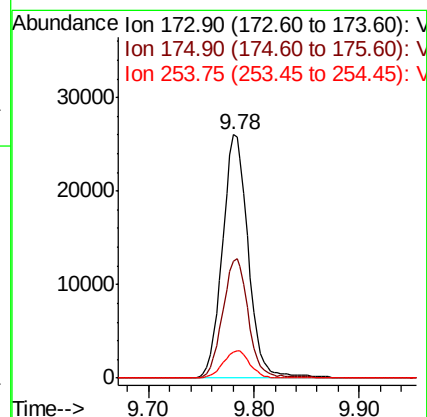
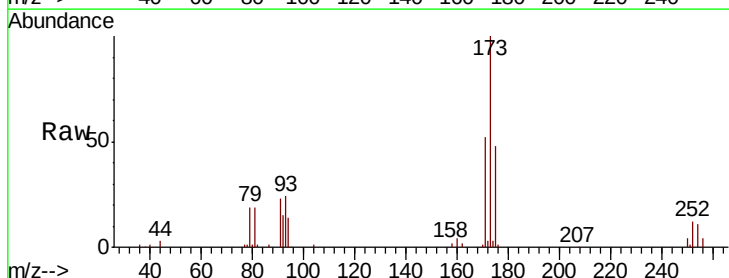
Tgt Ion: 173 Resp: 44126

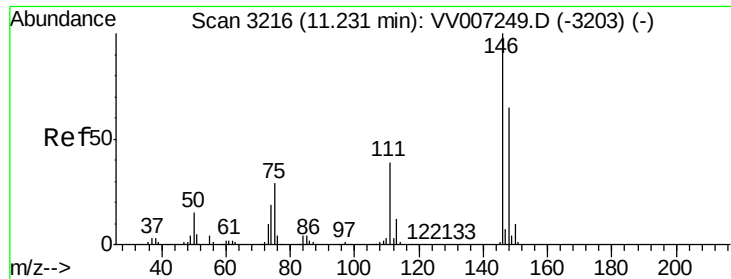
Ion Ratio Lower Upper

173 100

175 48.5 39.3 58.9

254 11.5 8.7 13.1

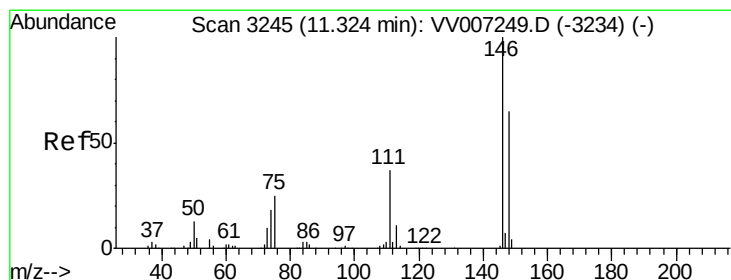
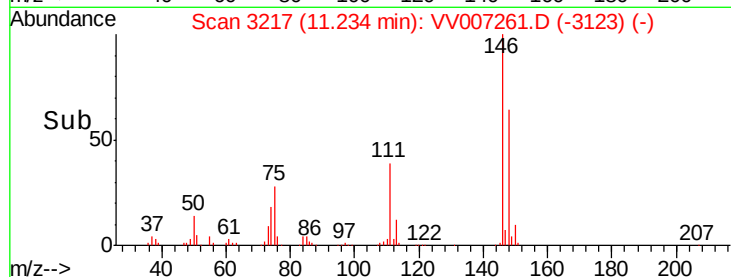
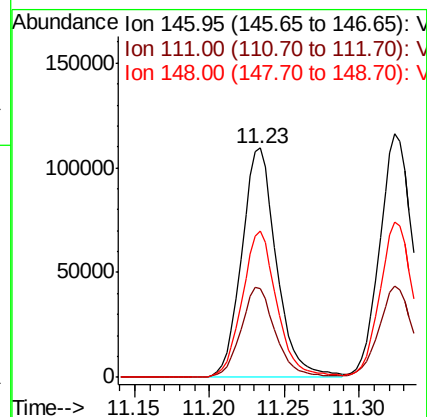
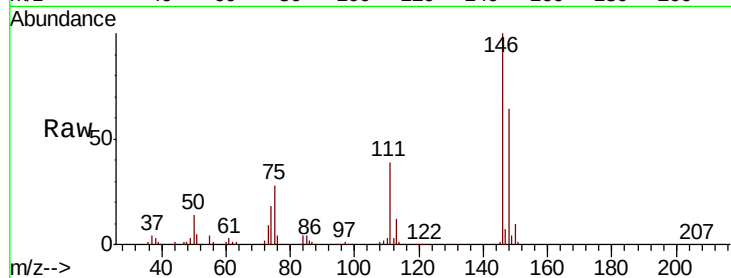




#62
 1,3-Dichlorobenzene
 Concen: 5.285 ug/L
 RT: 11.23 min Scan# 3217
 Delta R.T. 0.00 min
 Lab File: VV007261.D
 Acq: 29 Aug 2018 17:11

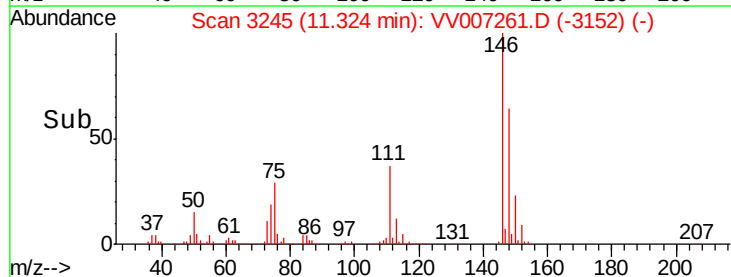
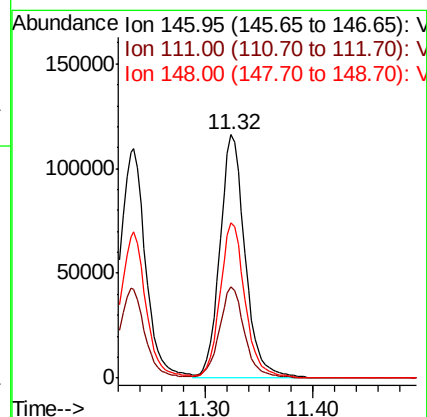
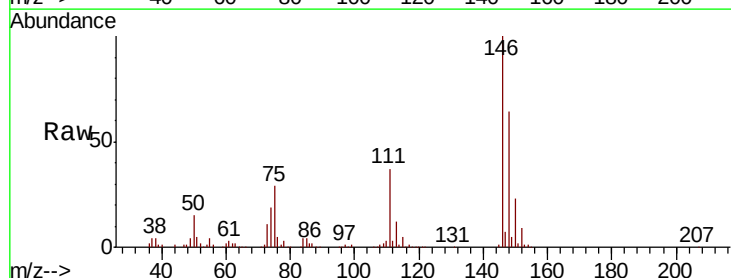
Instrument :
 MSVOA_V
 ClientSampleId :

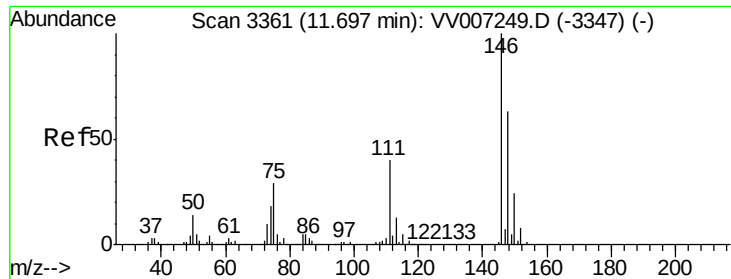
Tot Ion:146 Resp: 177424
 Ion Ratio Lower Upper
 146 100
 111 38.7 27.2 50.4
 148 63.7 45.0 83.6



#63
 1,4-Dichlorobenzene
 Concen: 5.327 ug/L
 RT: 11.32 min Scan# 3245
 Delta R.T. -0.00 min
 Lab File: VV007261.D
 Acq: 29 Aug 2018 17:11

Tgt Ion:146 Resp: 189040
 Ion Ratio Lower Upper
 146 100
 111 37.3 25.4 47.2
 148 63.7 44.3 82.3

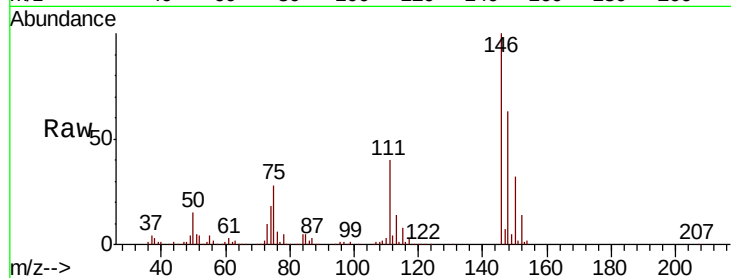




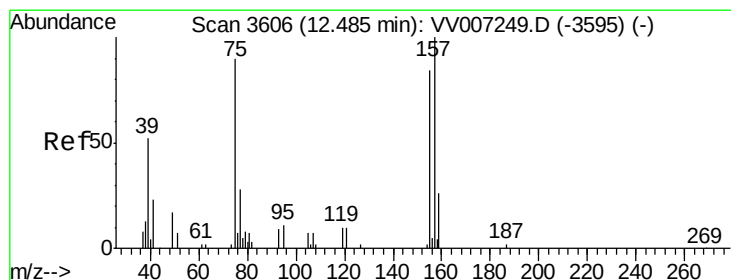
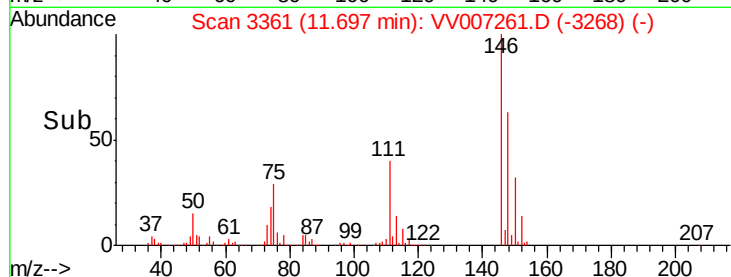
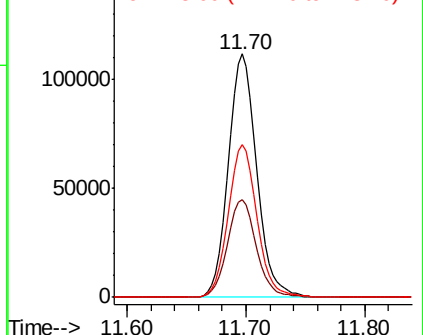
#65
 1,2-Dichlorobenzene
 Concen: 5.505 ug/L
 RT: 11.70 min Scan# 3361
 Delta R.T. -0.00 min
 Lab File: VV007261.D
 Acq: 29 Aug 2018 17:11

Instrument :
 MSVOA_V
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.1	33.0	49.6
148	62.9	51.6	77.4

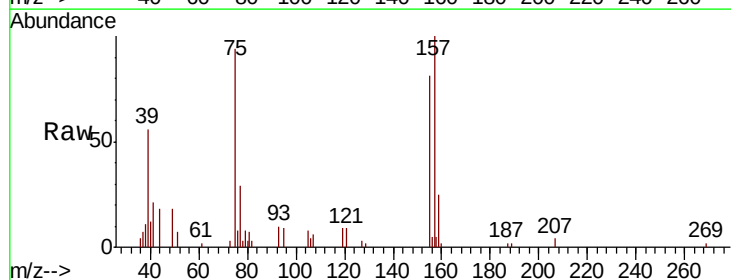


Abundance Ion 145.95 (145.65 to 146.65): V
 150000 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

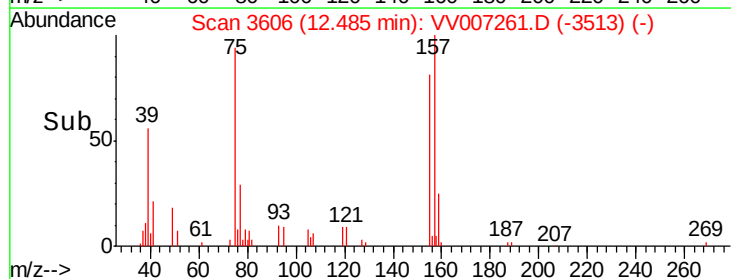
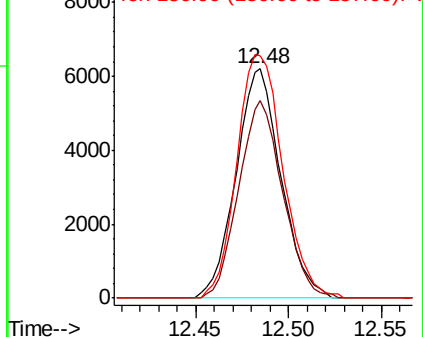


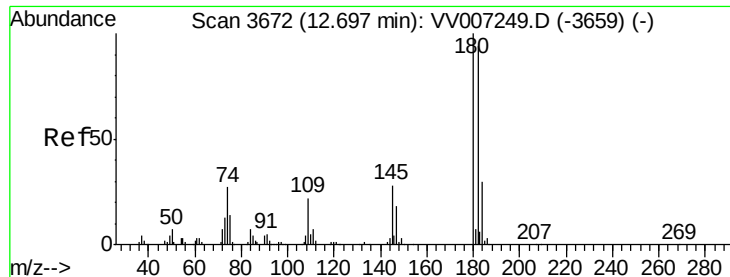
#66
 1,2-Dibromo-3-chloropropane
 Concen: 5.307 ug/L
 RT: 12.48 min Scan# 3606
 Delta R.T. -0.00 min
 Lab File: VV007261.D
 Acq: 29 Aug 2018 17:11

Tgt Ion	Ratio	Lower	Upper
75	100		
155	86.1	70.4	105.6
157	106.1	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

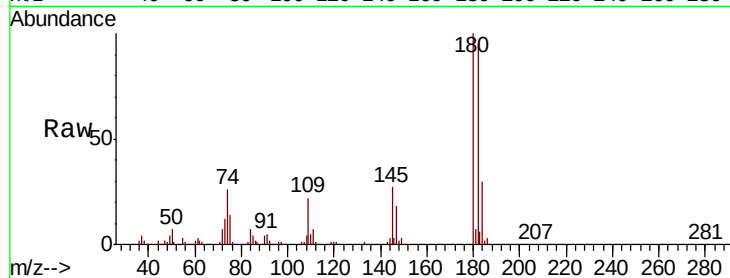




#67
 1,3,5-Trichlorobenzene
 Concen: 5.429 ug/L
 RT: 12.70 min Scan# 3673
 Delta R.T. 0.00 min
 Lab File: VV007261.D
 Acq: 29 Aug 2018 17:11

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.3	77.0	115.6
184	29.5	23.4	35.2
145	27.7	22.6	33.8



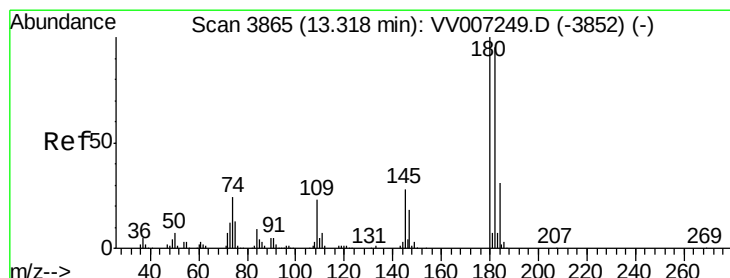
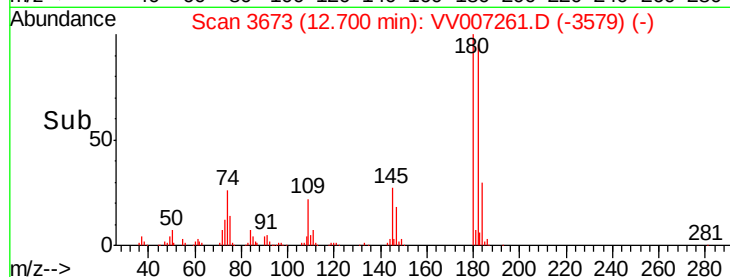
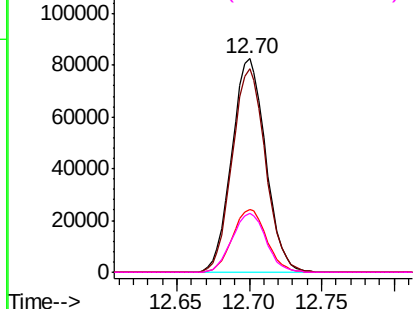
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

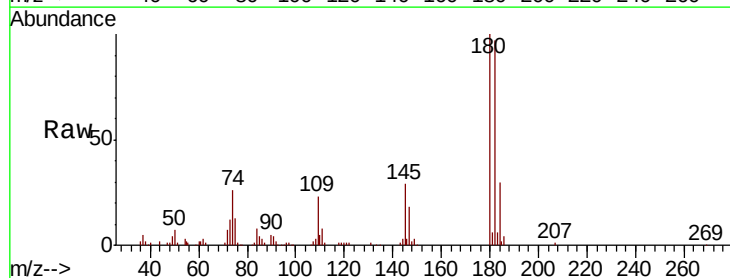
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 5.451 ug/L
 RT: 13.32 min Scan# 3865
 Delta R.T. -0.00 min
 Lab File: VV007261.D
 Acq: 29 Aug 2018 17:11

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.1	76.8	115.2
145	28.7	22.6	34.0

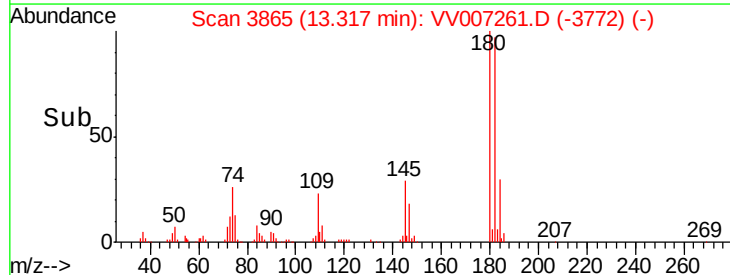
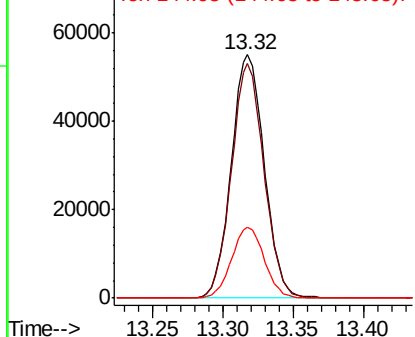


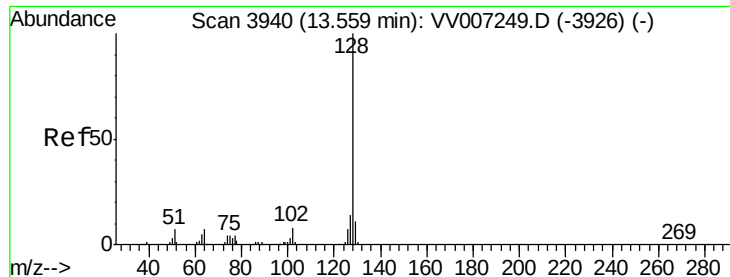
Abundance

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: 4.895 ug/L

RT: 13.56 min Scan# 3941

Delta R.T. 0.00 min

Lab File: VV007261.D

Acq: 29 Aug 2018 17:11

Instrument :

MSVOA_V

ClientSampleId :

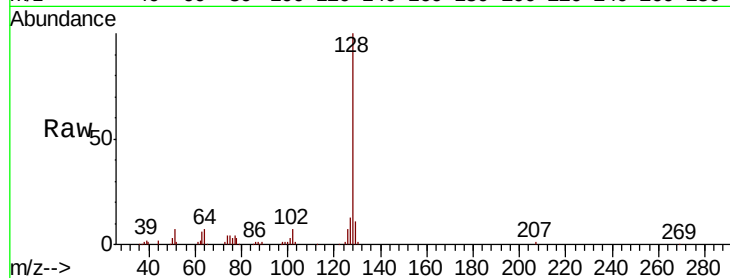
Tot Ion:128 Resp: 101177

Ion Ratio Lower Upper

128 100

129 10.9 8.9 13.3

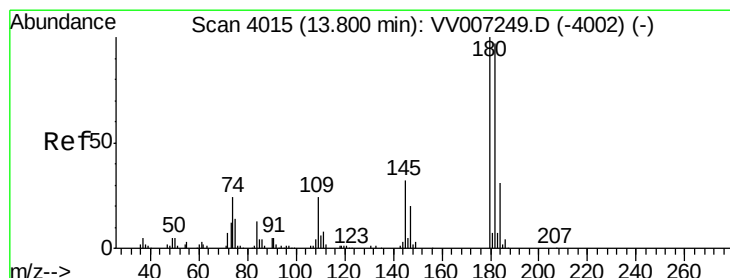
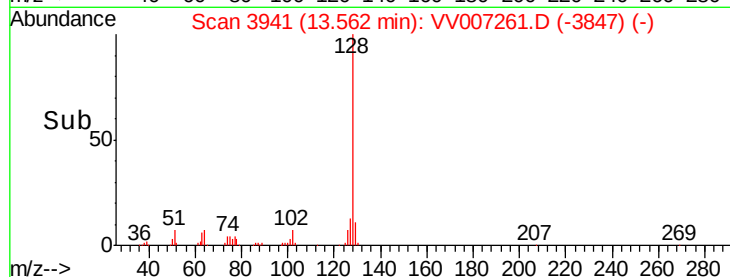
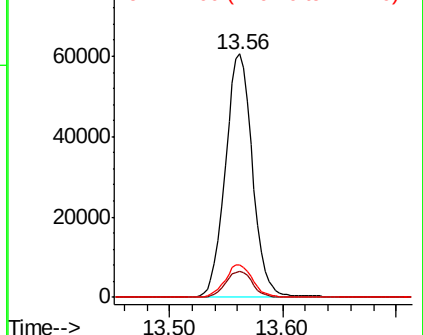
127 13.6 10.6 15.8



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: 5.651 ug/L

RT: 13.80 min Scan# 4015

Delta R.T. -0.00 min

Lab File: VV007261.D

Acq: 29 Aug 2018 17:11

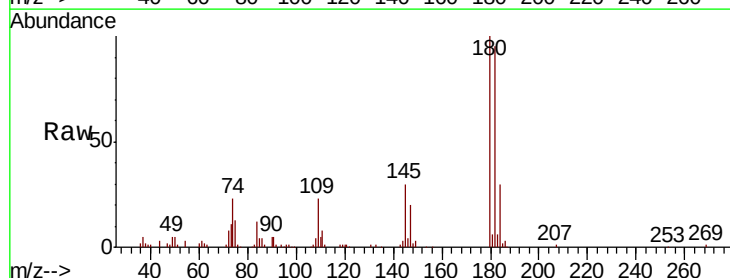
Tgt Ion:180 Resp: 91721

Ion Ratio Lower Upper

180 100

182 96.6 77.0 115.4

145 30.3 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

