

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV092718\
 Data File : VV007941.D
 Acq On : 28 Sep 2018 06:46
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 25.0 mL/MSVOA V/WATER
 ALS Vial : 54 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Sep 28 07:48:26 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR092718WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Sep 28 03:46:50 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	89963	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	87947	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	47692	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	20841	4.32	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	86.40%
7) Chloroethane-d5	1.59	69	20197	4.85	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	97.00%
11) 1,1-Dichloroethene-d2	2.14	63	51397	4.72	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	94.40%
20) 2-Butanone-d5	3.96	46	67296	46.39	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	92.78%
24) Chloroform-d	4.41	84	54267	4.94	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.80%
26) 1,2-Dichloroethane-d4	5.09	65	28514	4.72	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.40%
32) Benzene-d6	5.10	84	100517	4.79	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.80%
36) 1,2-Dichloropropane-d6	6.13	67	31498	4.73	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.60%
41) Toluene-d8	7.36	98	103557	4.84	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.80%
43) trans-1,3-Dichloropropene-	7.67	79	11411	4.45	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	89.00%
46) 2-Hexanone-d5	8.14	63	55204	48.80	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	97.60%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	24626	4.79	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.80%
64) 1,2-Dichlorobenzene-d4	11.68	152	42517	4.61	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	92.20%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	38474	5.099	ug/L 99
3) Chloromethane	1.25	50	34331	5.114	ug/L 97
5) Vinyl chloride	1.32	62	35357	4.919	ug/L 97
6) Bromomethane	1.54	94	15903	3.587	ug/L 96
8) Chloroethane	1.60	64	22257	5.135	ug/L 99
9) Trichlorofluoromethane	1.78	101	59681	5.087	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	33137	4.980	ug/L 99
12) 1,1-Dichloroethene	2.15	96	29004	4.877	ug/L 91
13) Acetone	2.21	43	46724	44.208	ug/L 99
14) Carbon disulfide	2.32	76	75284	4.670	ug/L 98
15) Methyl Acetate	2.47	43	12966	4.797	ug/L 95
16) Methylene chloride	2.54	84	42012	6.358	ug/L 94
17) Methyl tert-butyl Ether	2.82	73	72310	4.922	ug/L 99
18) trans-1,2-Dichloroethene	2.79	96	32523	4.961	ug/L 98
19) 1,1-Dichloroethane	3.23	63	55253	4.940	ug/L 99
21) 2-Butanone	4.05	43	74714	44.370	ug/L 99
22) cis-1,2-Dichloroethene	3.97	96	32974	4.968	ug/L 98

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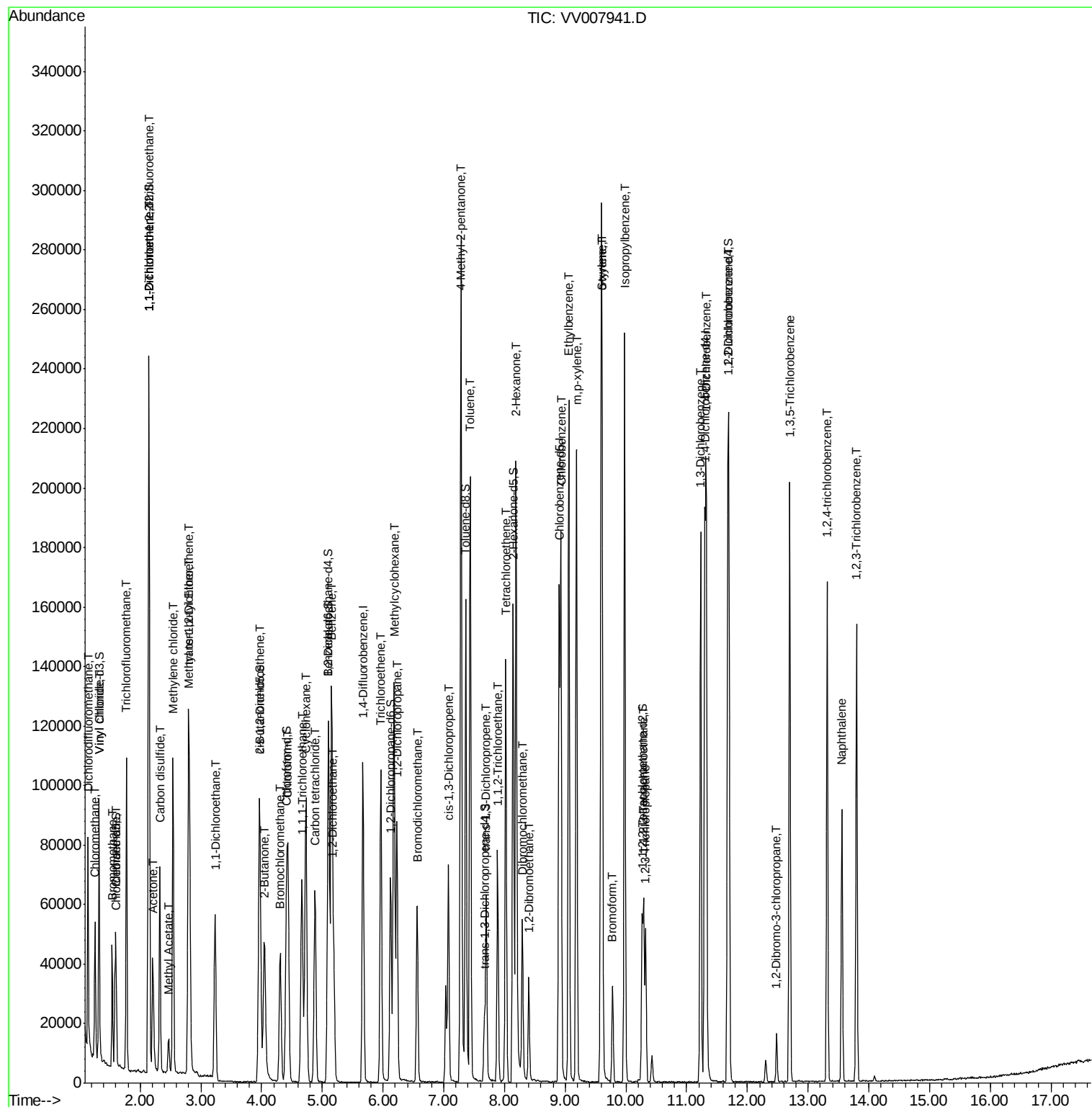
23) Bromochloromethane	4.31	128	14676	5.084	ug/L	91
25) Chloroform	4.44	83	61571	5.090	ug/L	97
27) 1,2-Dichloroethane	5.19	62	38394	4.932	ug/L	98
29) 1,1,1-Trichloroethane	4.66	97	52907	5.003	ug/L	100
30) Cyclohexane	4.73	56	47985	4.827	ug/L	99
31) Carbon tetrachloride	4.88	117	46944	5.035	ug/L	99
33) Benzene	5.15	78	128121	5.088	ug/L	100
34) Trichloroethene	5.96	95	34281	4.754	ug/L	93
35) Methylcyclohexane	6.18	83	52027	4.812	ug/L	98
37) 1,2-Dichloropropane	6.23	63	32837	5.104	ug/L	98
38) Bromodichloromethane	6.56	83	38257	4.973	ug/L	99
39) cis-1,3-Dichloropropene	7.08	75	40277	4.680	ug/L	97
40) 4-Methyl-2-pentanone	7.28	43	194842	48.252	ug/L	100
42) Toluene	7.43	91	143086	5.217	ug/L	98
44) trans-1,3-Dichloropropene	7.70	75	32985	4.611	ug/L	98
45) 1,1,2-Trichloroethane	7.89	97	23228	5.003	ug/L	98
47) Tetrachloroethene	8.02	164	32720	4.897	ug/L	97
48) 2-Hexanone	8.19	43	136714	48.680	ug/L	97
49) Dibromochloromethane	8.30	129	26416	4.984	ug/L	95
50) 1,2-Dibromoethane	8.40	107	21736	5.122	ug/L	99
51) Chlorobenzene	8.93	112	95127	5.022	ug/L	99
52) Ethylbenzene	9.06	91	154503	5.050	ug/L	100
53) m,p-xylene	9.19	106	59821	5.135	ug/L	98
54) o-xylene	9.59	106	56444	5.016	ug/L	99
55) Styrene	9.61	104	96959	5.046	ug/L	99
56) Isopropylbenzene	9.98	105	153035	5.022	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.29	83	27059	4.962	ug/L	100
59) 1,2,3-Trichloropropane	10.32	75	19720	4.927	ug/L	99
61) Bromoform	9.78	173	14719	5.139	ug/L	95
62) 1,3-Dichlorobenzene	11.23	146	76674	4.870	ug/L	98
63) 1,4-Dichlorobenzene	11.32	146	78309	4.783	ug/L	97
65) 1,2-Dichlorobenzene	11.69	146	75142	5.062	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	3670	4.854	ug/L	86
67) 1,3,5-Trichlorobenzene	12.70	180	67054	4.974	ug/L	98
68) 1,2,4-trichlorobenzene	13.31	180	54110	4.749	ug/L	98
69) Naphthalene	13.56	128	71309	4.474	ug/L	100
70) 1,2,3-Trichlorobenzene	13.80	180	48950	4.744	ug/L	98

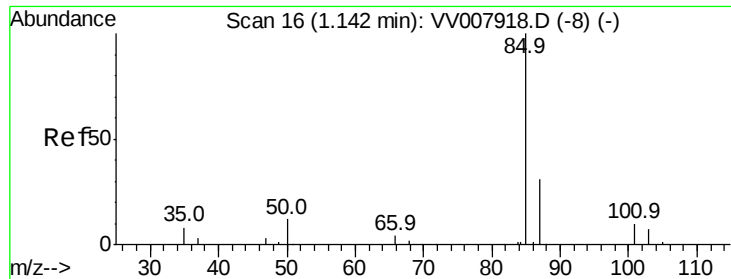
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 5.099 ug/L

RT: 1.14 min Scan# 16

Delta R.T. -0.00 min

Lab File: VV007941.D

Acq: 28 Sep 2018 06:46

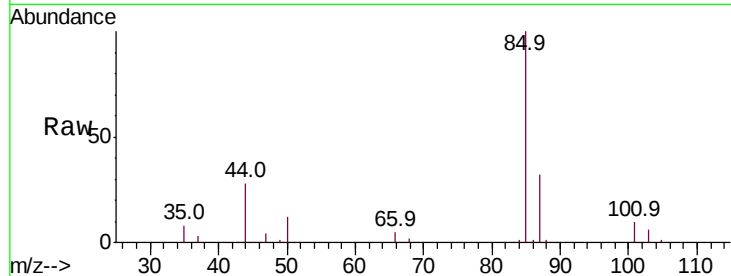
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 85 Resp: 38474

Ion Ratio Lower Upper

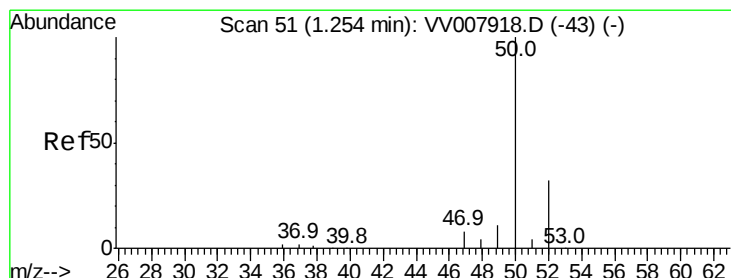
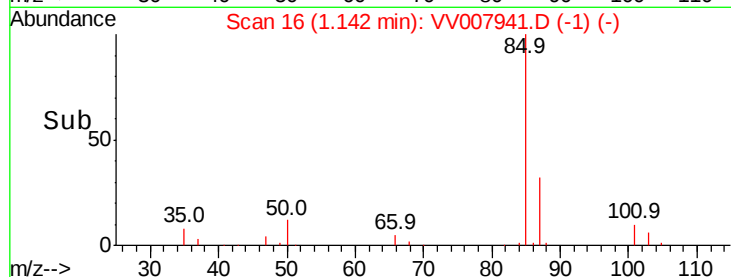
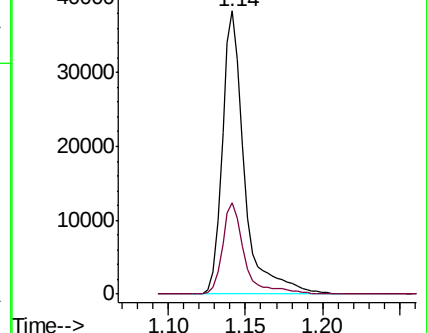
85 100

87 32.1 25.2 37.8



Abundance Ion 85.00 (84.70 to 85.70): VV007941.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VV007941.D (-8) (-)



#3

Chloromethane

Concen: 5.114 ug/L

RT: 1.25 min Scan# 51

Delta R.T. -0.00 min

Lab File: VV007941.D

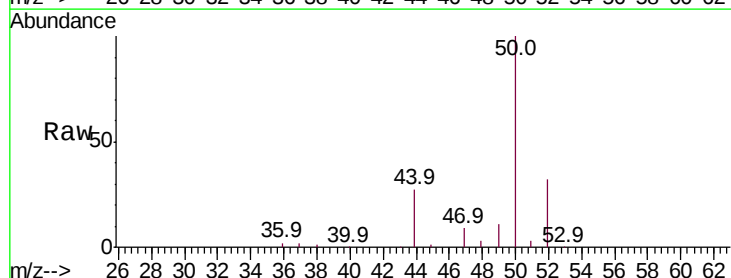
Acq: 28 Sep 2018 06:46

Tgt Ion: 50 Resp: 34331

Ion Ratio Lower Upper

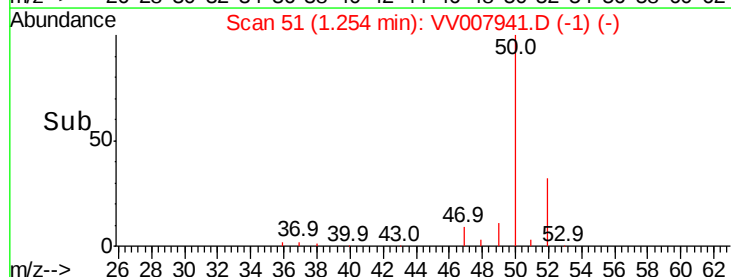
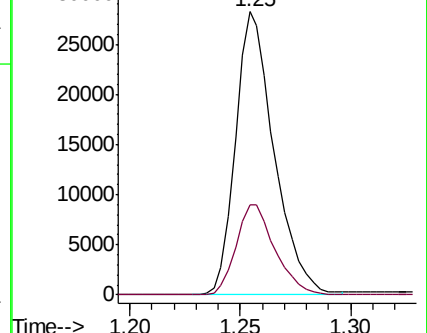
50 100

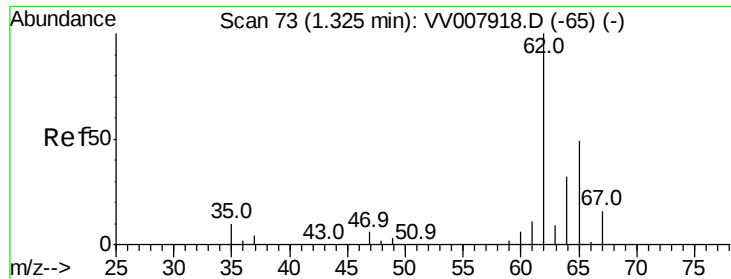
52 31.8 23.4 43.4



Abundance Ion 50.05 (49.75 to 50.75): VV007941.D (-43) (-)

Ion 52.05 (51.75 to 52.75): VV007941.D (-43) (-)





#5

Vinyl chloride

Concen: 4.919 ug/L

RT: 1.32 min Scan# 73

Delta R.T. -0.00 min

Lab File: VV007941.D

Acq: 28 Sep 2018 06:46

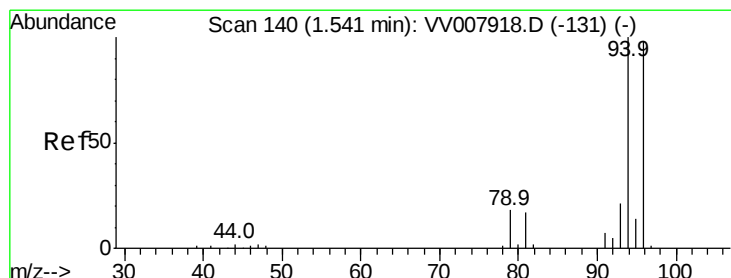
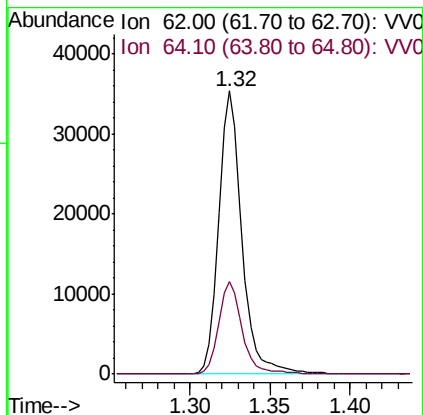
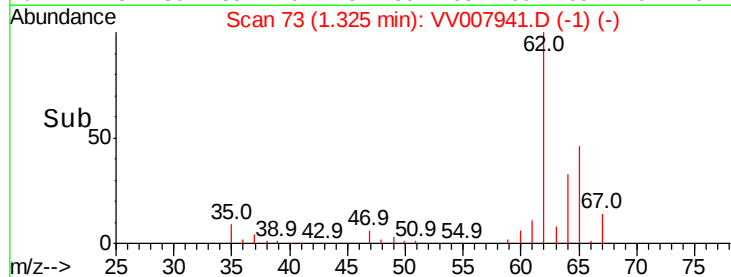
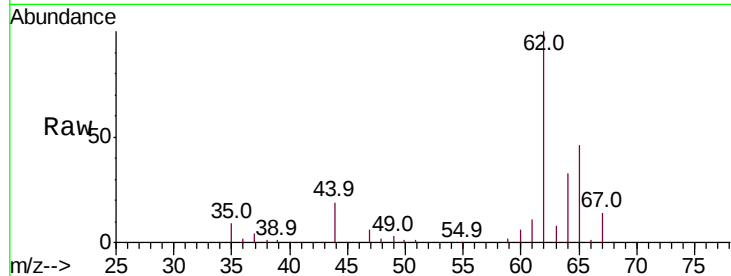
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 62 Resp: 35357

Ion Ratio Lower Upper

62 100

64 32.8 24.0 44.6



#6

Bromomethane

Concen: 3.587 ug/L

RT: 1.54 min Scan# 140

Delta R.T. -0.00 min

Lab File: VV007941.D

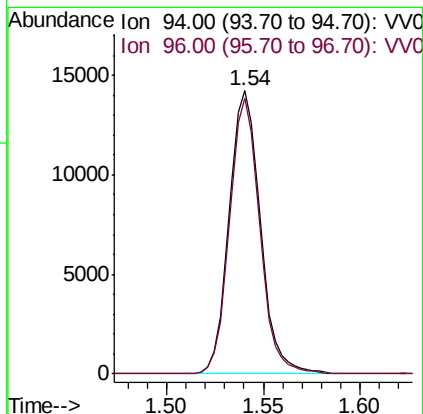
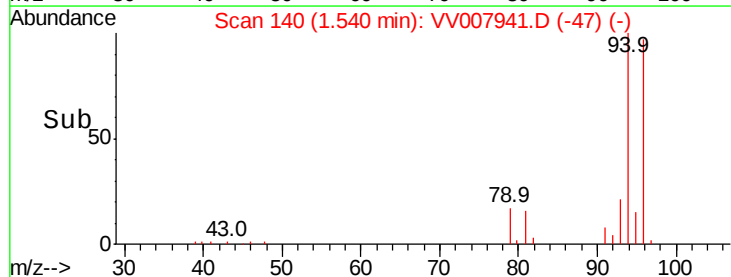
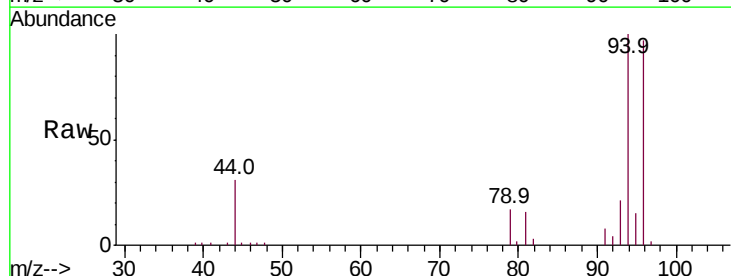
Acq: 28 Sep 2018 06:46

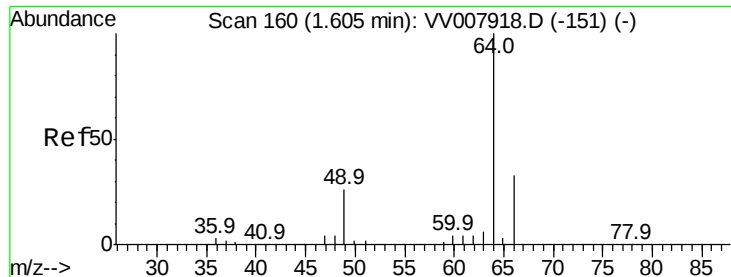
Tgt Ion: 94 Resp: 15903

Ion Ratio Lower Upper

94 100

96 97.5 65.2 121.2

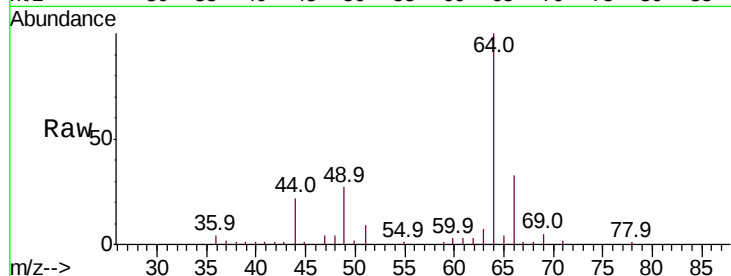




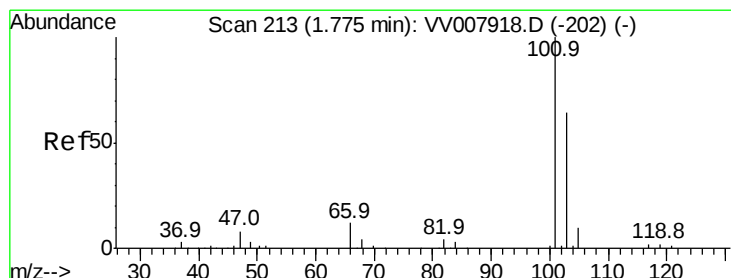
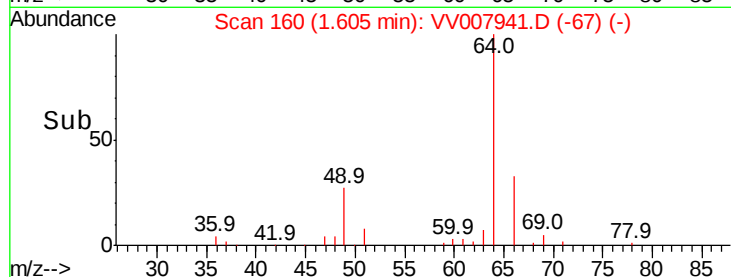
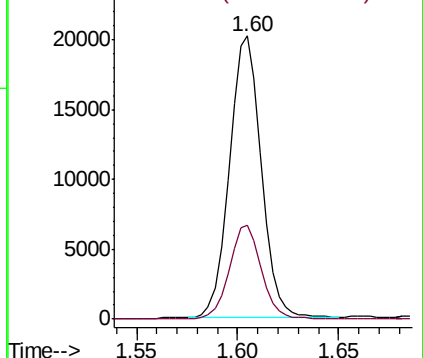
#8
Chloroethane
Concen: 5.135 ug/L
RT: 1.60 min Scan# 160
Delta R.T. -0.00 min
Lab File: VV007941.D
Acq: 28 Sep 2018 06:46

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 64 Resp: 22257
Ion Ratio Lower Upper
64 100
66 33.4 23.1 42.9

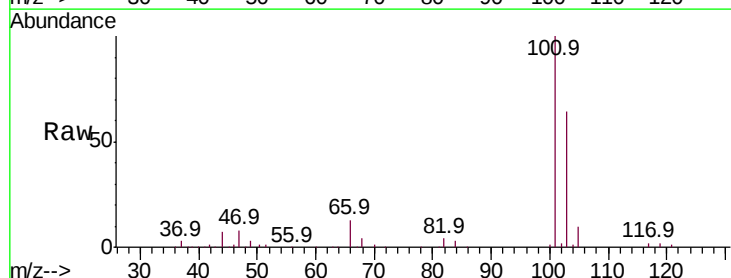


Abundance Ion 64.10 (63.80 to 64.80): VV007941.D (-151) (-)
Ion 66.05 (65.75 to 66.75): VV007941.D (-151) (-)

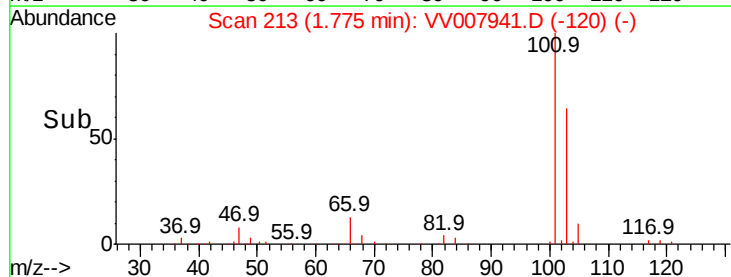
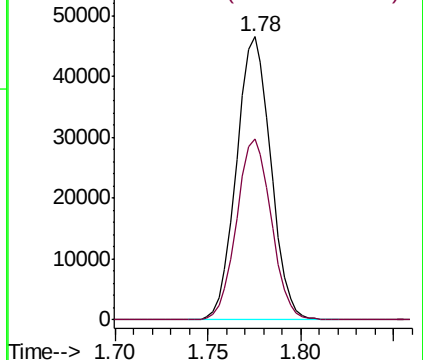


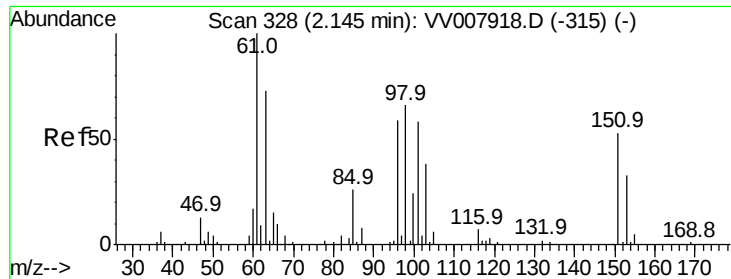
#9
Trichlorofluoromethane
Concen: 5.087 ug/L
RT: 1.78 min Scan# 213
Delta R.T. -0.00 min
Lab File: VV007941.D
Acq: 28 Sep 2018 06:46

Tgt Ion:101 Resp: 59681
Ion Ratio Lower Upper
101 100
103 64.8 51.5 77.3



Abundance Ion 101.00 (100.70 to 101.70): VV007941.D (-202) (-)
Ion 103.00 (102.70 to 103.70): VV007941.D (-202) (-)





#10

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

Concen: 4.980 ug/L

RT: 2.14 min Scan# 328

Delta R.T. -0.00 min

Lab File: VV007941.D

Acq: 28 Sep 2018 06:46

Instrument :

MSVOA_V

ClientSampleId :

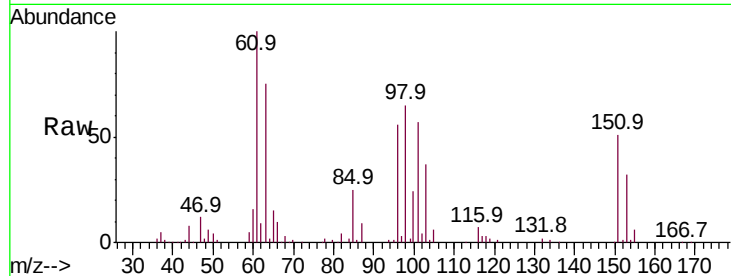
Tot Ion:101 Resp: 33137

Ion Ratio Lower Upper

101 100

85 44.4 34.7 52.1

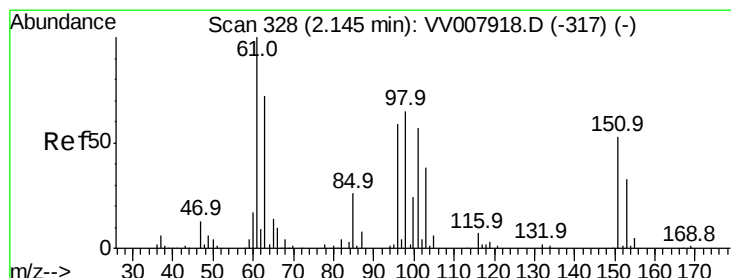
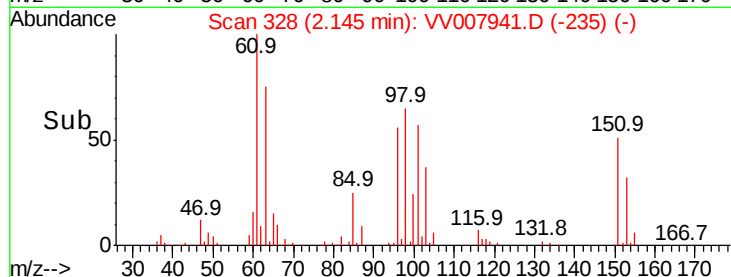
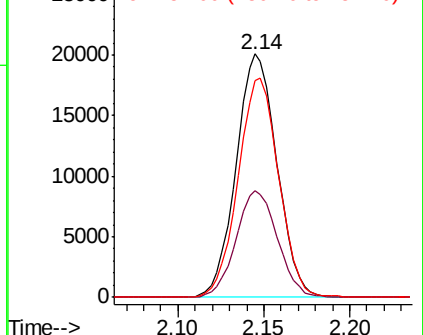
151 89.6 72.2 108.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 4.877 ug/L

RT: 2.15 min Scan# 329

Delta R.T. 0.00 min

Lab File: VV007941.D

Acq: 28 Sep 2018 06:46

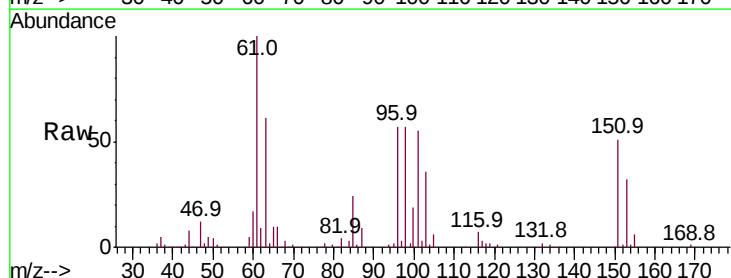
Tgt Ion: 96 Resp: 29004

Ion Ratio Lower Upper

96 100

61 173.9 114.1 211.9

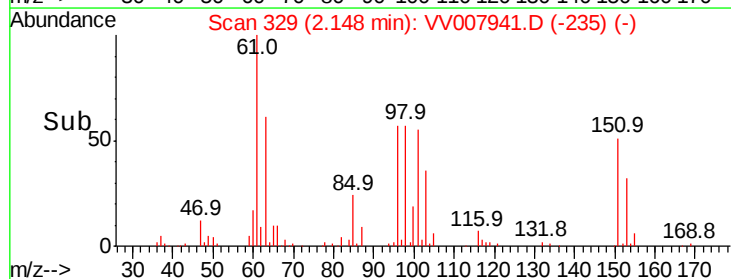
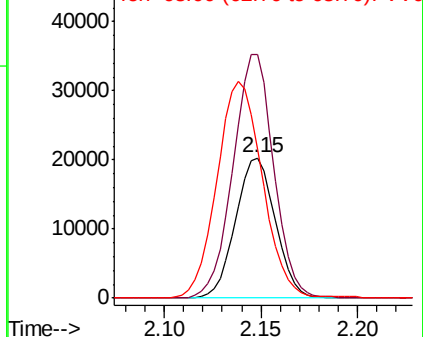
63 106.0 81.5 151.3

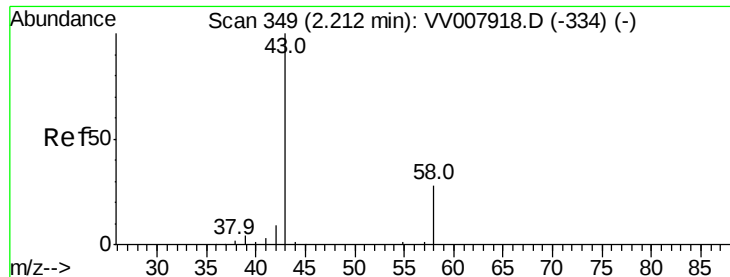


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 44.208 ug/L

RT: 2.21 min Scan# 348

Delta R.T. -0.00 min

Lab File: VV007941.D

Acq: 28 Sep 2018 06:46

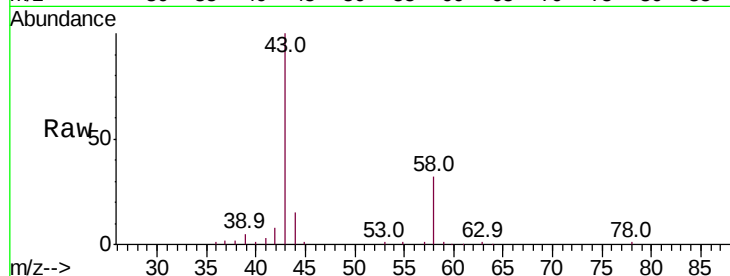
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 46724

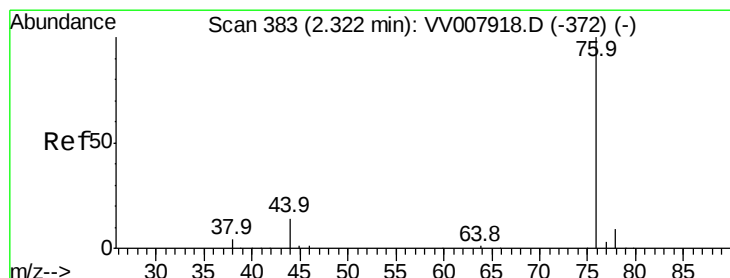
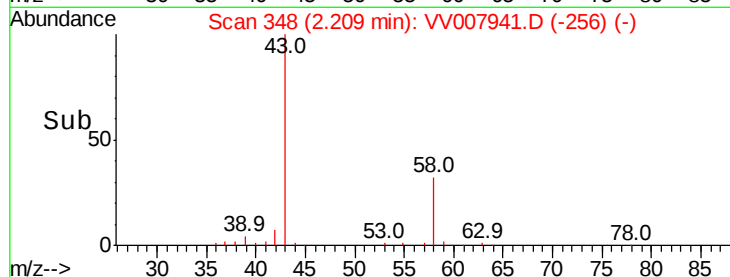
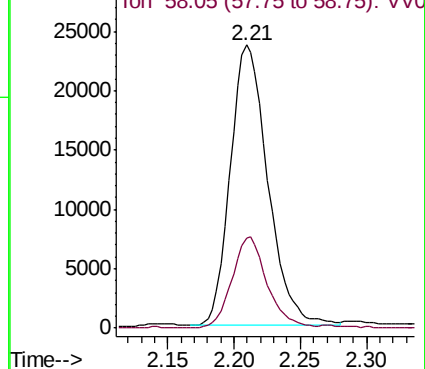
Ion Ratio Lower Upper

43 100

58 30.3 0.0 62.0



Abundance Ion 43.05 (42.75 to 43.75): VV007941.D (-256) (-)



#14

Carbon disulfide

Concen: 4.670 ug/L

RT: 2.32 min Scan# 384

Delta R.T. 0.00 min

Lab File: VV007941.D

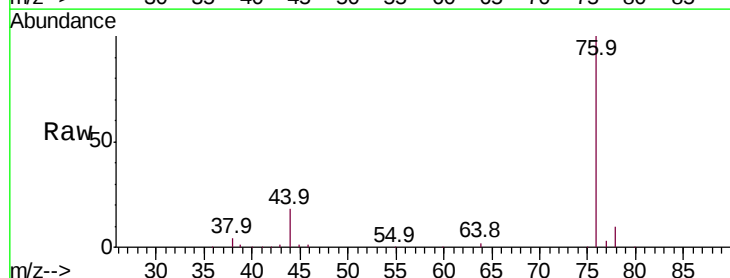
Acq: 28 Sep 2018 06:46

Tgt Ion: 76 Resp: 75284

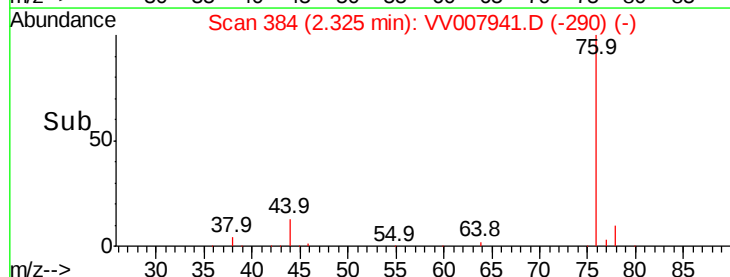
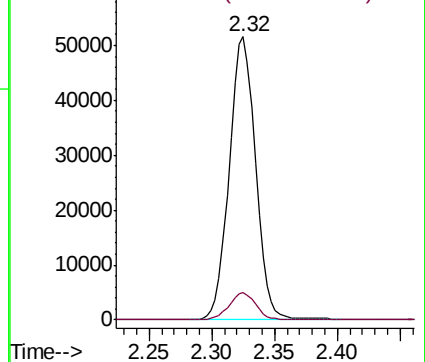
Ion Ratio Lower Upper

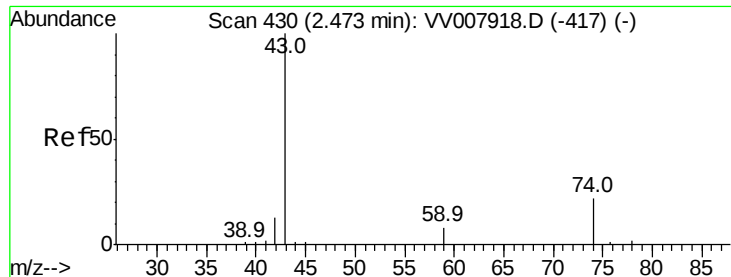
76 100

78 9.6 7.2 10.8



Abundance Ion 76.05 (75.75 to 76.75): VV007941.D (-290) (-)

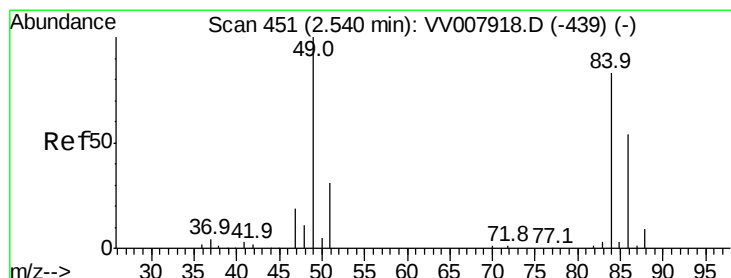
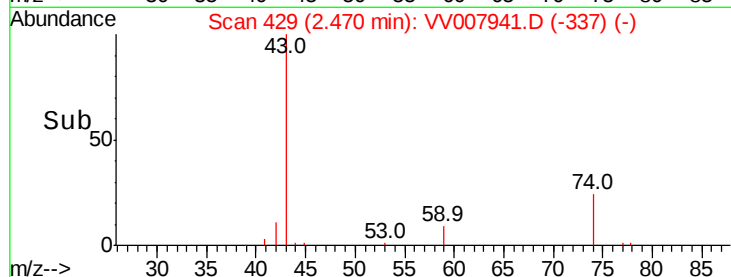
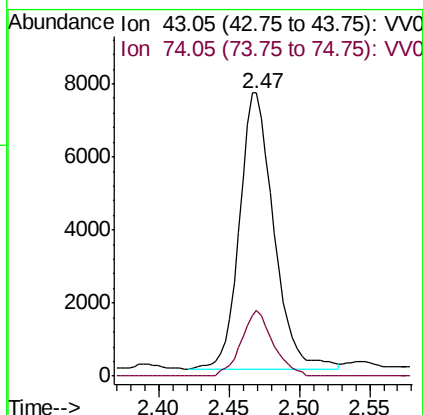
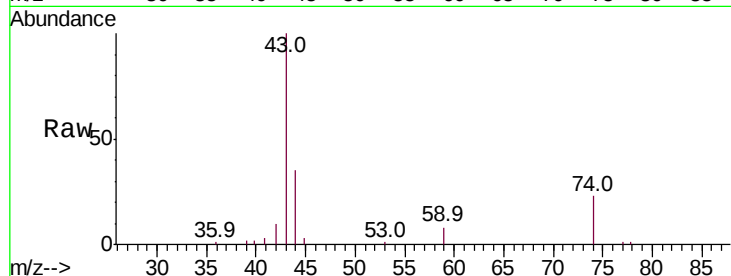




#15
Methvl Acetate
Concen: 4.797 ug/L
RT: 2.47 min Scan# 429
Delta R.T. -0.00 min
Lab File: VV007941.D
Acq: 28 Sep 2018 06:46

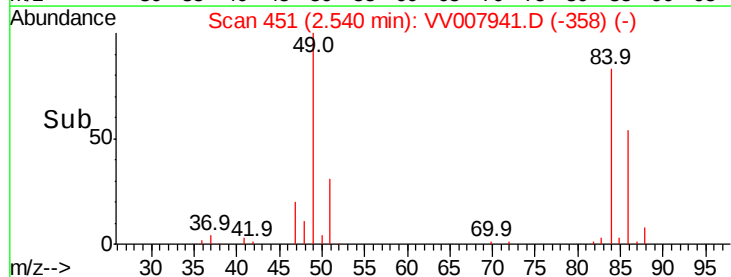
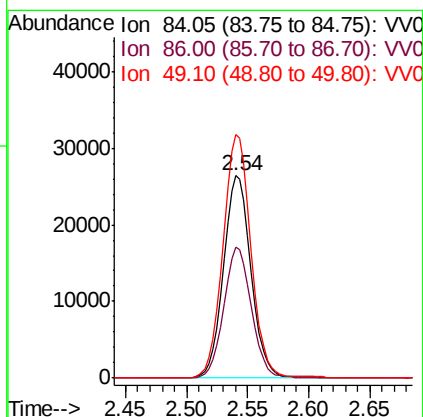
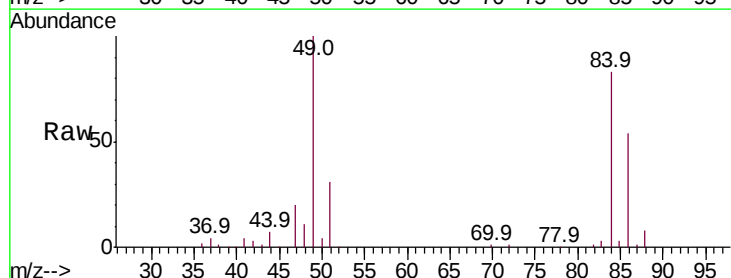
Instrument :
MSVOA_V
ClientSampleId :

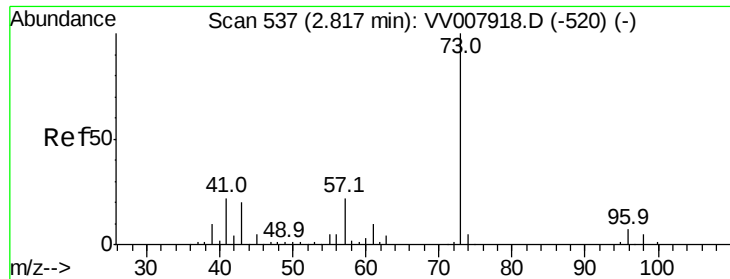
Tot Ion: 43 Resp: 12966
Ion Ratio Lower Upper
43 100
74 21.9 19.5 29.3



#16
Methylene chloride
Concen: 6.358 ug/L
RT: 2.54 min Scan# 451
Delta R.T. -0.00 min
Lab File: VV007941.D
Acq: 28 Sep 2018 06:46

Tgt Ion: 84 Resp: 42012
Ion Ratio Lower Upper
84 100
86 64.7 47.3 87.8
49 120.4 90.0 167.2

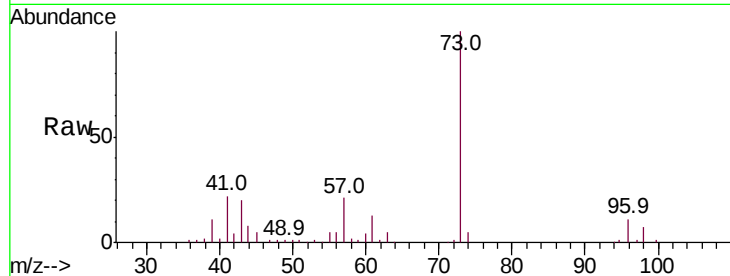




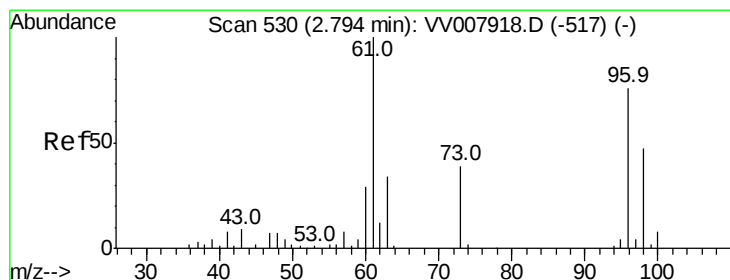
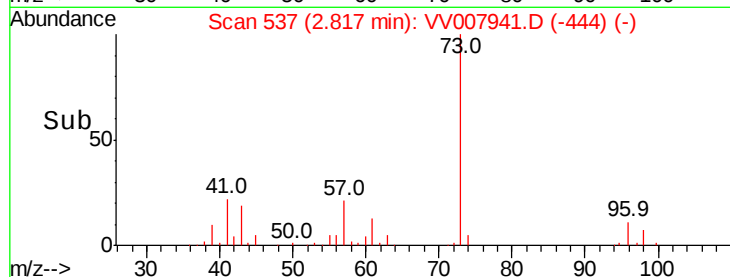
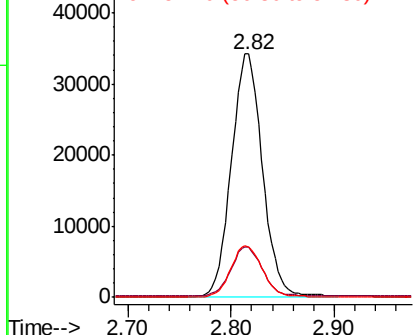
#17
Methvl tert-butvl Ether
Concen: 4.922 ug/L
RT: 2.82 min Scan# 537
Delta R.T. -0.00 min
Lab File: VV007941.D
Acq: 28 Sep 2018 06:46

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 73 Resp: 72310
Ion Ratio Lower Upper
73 100
43 20.1 16.8 25.2
57 21.6 17.6 26.4

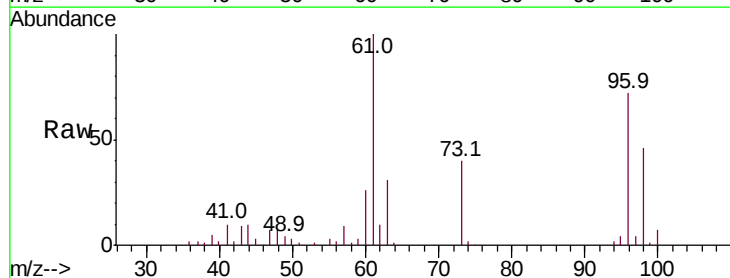


Abundance Ion 73.10 (72.80 to 73.80): VV0
Ion 43.05 (42.75 to 43.75): VV0
Ion 57.10 (56.80 to 57.80): VV0

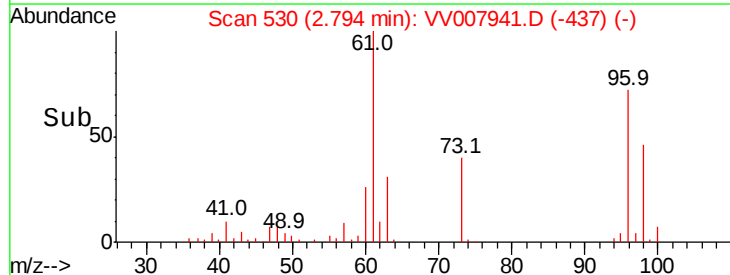
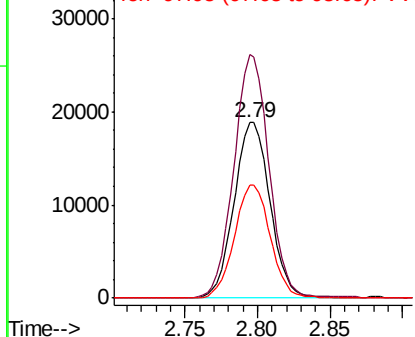


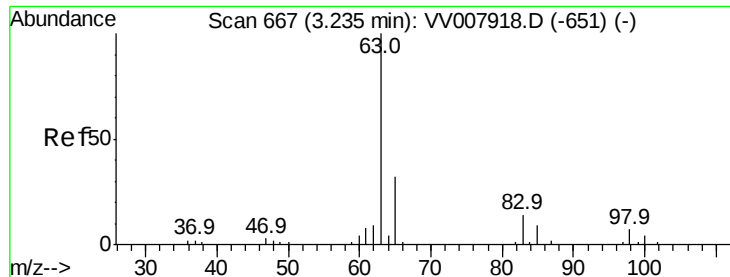
#18
trans-1,2-Dichloroethene
Concen: 4.961 ug/L
RT: 2.79 min Scan# 530
Delta R.T. -0.00 min
Lab File: VV007941.D
Acq: 28 Sep 2018 06:46

Tgt Ion: 96 Resp: 32523
Ion Ratio Lower Upper
96 100
61 138.7 94.2 175.0
98 64.1 44.9 83.5



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



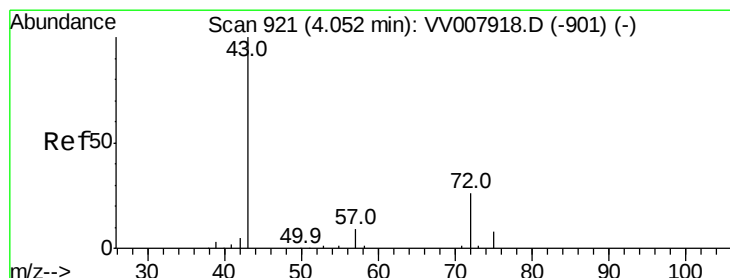
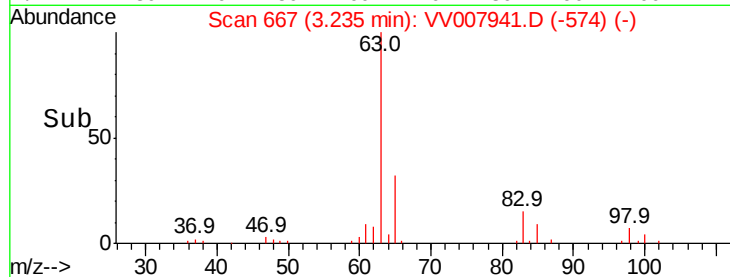
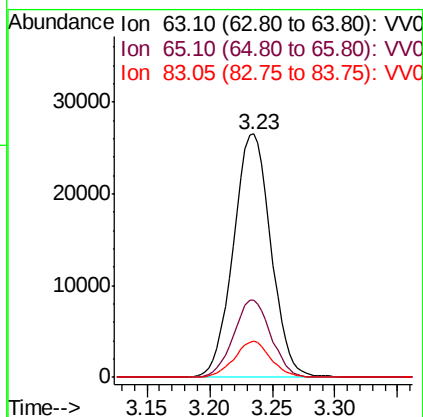
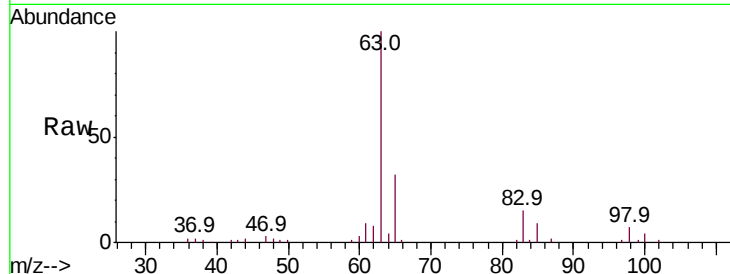


#19
 1,1-Dichloroethane
 Concen: 4.940 ug/L
 RT: 3.23 min Scan# 667
 Delta R.T. -0.00 min
 Lab File: VV007941.D
 Acq: 28 Sep 2018 06:46

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 63 Resp: 55253

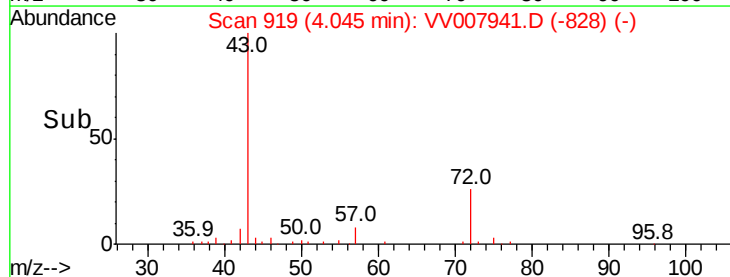
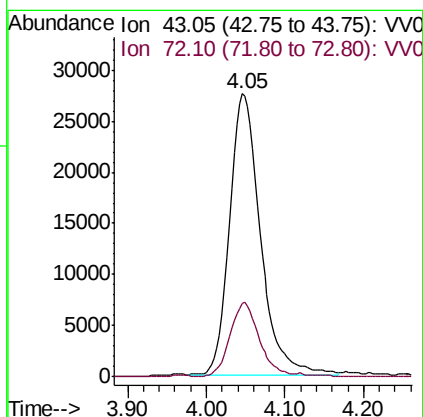
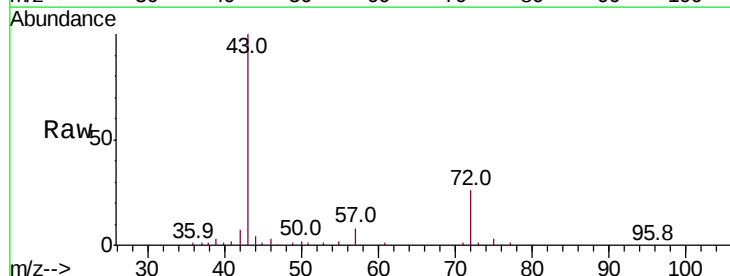
Ion	Ratio	Lower	Upper
63	100		
65	31.6	22.3	41.5
83	14.9	9.8	18.2

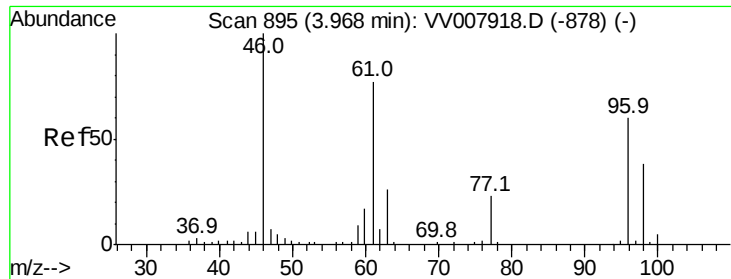


#21
 2-Butanone
 Concen: 44.370 ug/L
 RT: 4.05 min Scan# 919
 Delta R.T. -0.01 min
 Lab File: VV007941.D
 Acq: 28 Sep 2018 06:46

Tgt Ion: 43 Resp: 74714

Ion	Ratio	Lower	Upper
43	100		
72	25.3	12.5	37.5



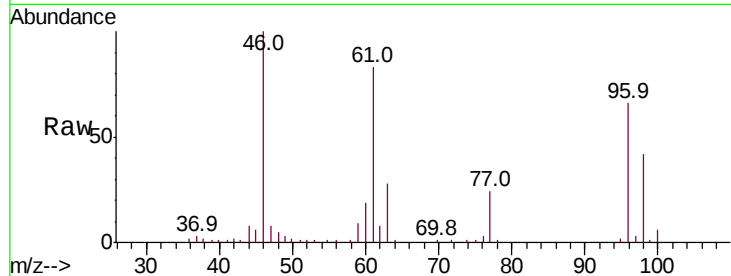


#22

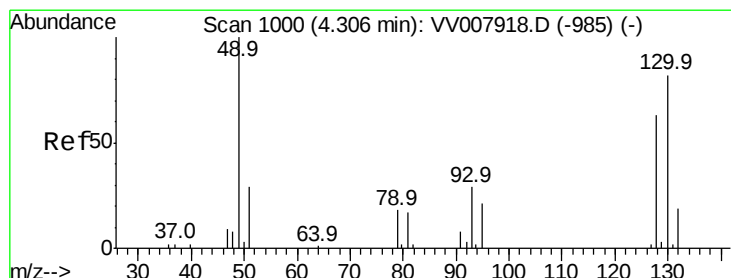
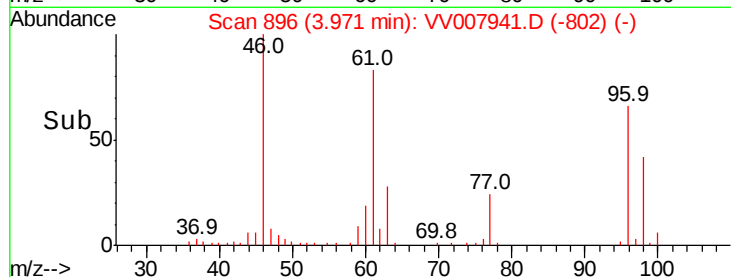
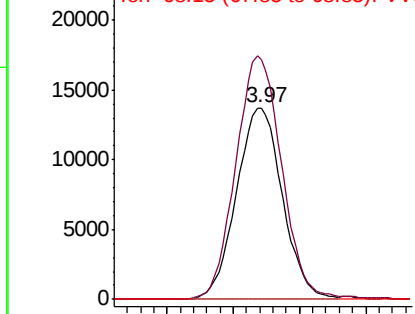
cis-1,2-Dichloroethene
 Concen: 4.968 ug/L
 RT: 3.97 min Scan# 896
 Delta R.T. 0.00 min
 Lab File: VV007941.D
 Acq: 28 Sep 2018 06:46

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 96 Resp: 32974
 Ion Ratio Lower Upper
 96 100
 61 125.5 89.5 166.1
 68 0.0 0.0 0.0



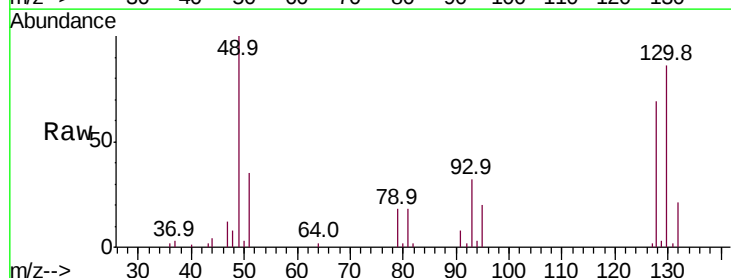
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0



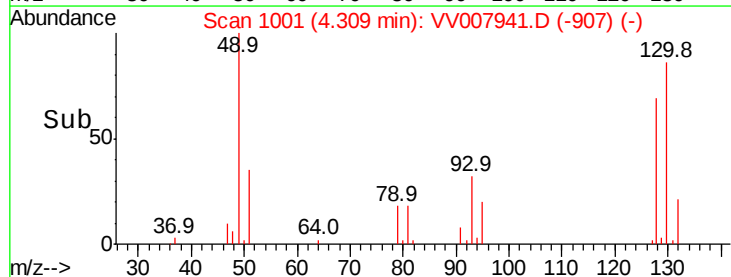
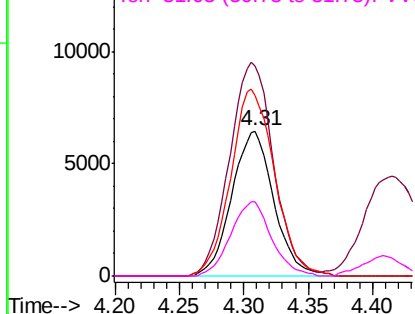
#23

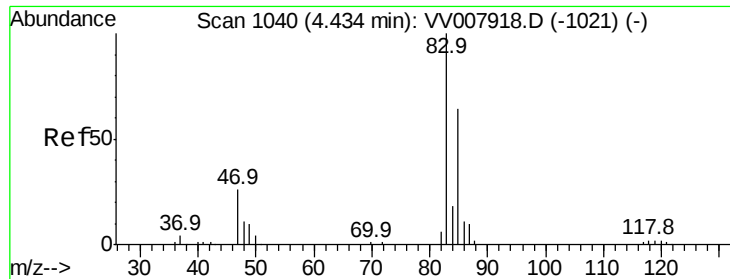
Bromochloromethane
 Concen: 5.084 ug/L
 RT: 4.31 min Scan# 1001
 Delta R.T. 0.00 min
 Lab File: VV007941.D
 Acq: 28 Sep 2018 06:46

Tgt Ion: 128 Resp: 14676
 Ion Ratio Lower Upper
 128 100
 49 145.1 112.8 209.4
 130 124.5 92.3 171.5
 51 50.8 38.4 57.6



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

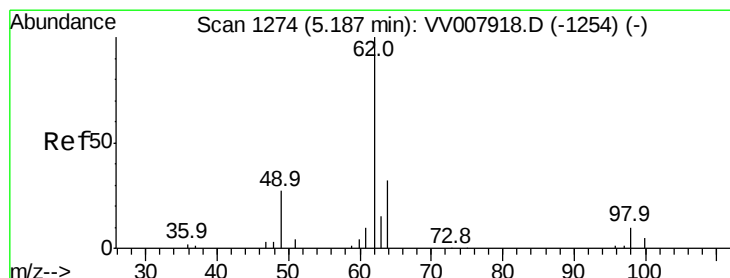
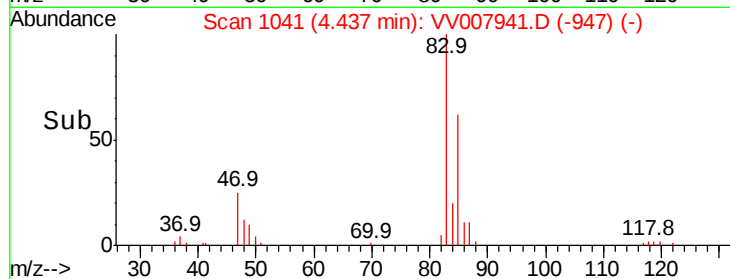
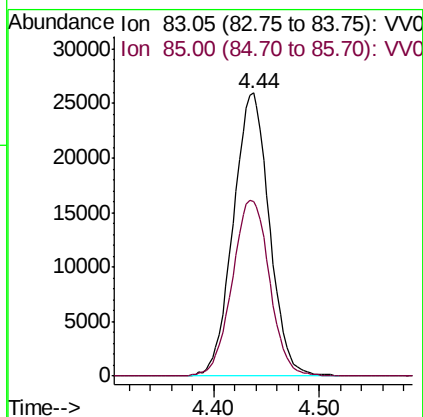
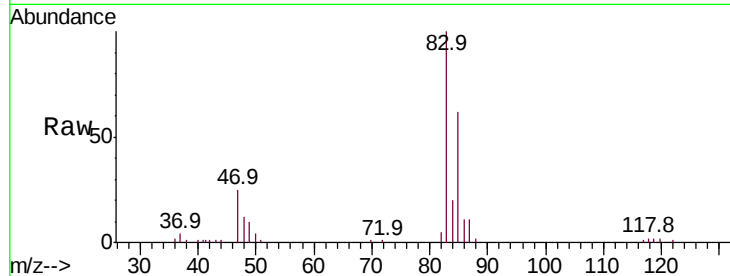




#25
Chloroform
Concen: 5.090 ug/L
RT: 4.44 min Scan# 1041
Delta R.T. 0.00 min
Lab File: VV007941.D
Acq: 28 Sep 2018 06:46

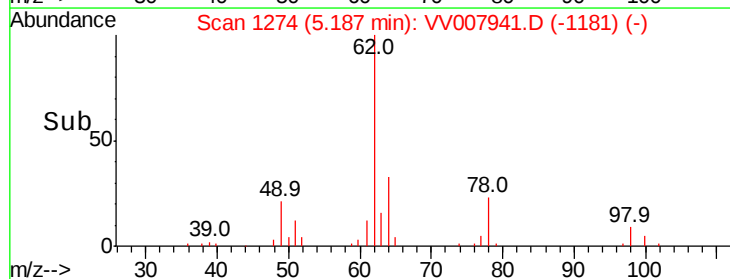
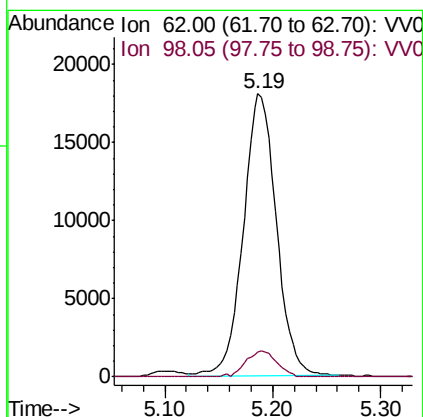
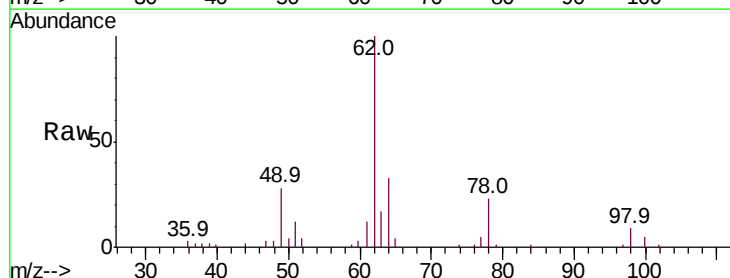
Instrument :
MSVOA_V
ClientSampled :

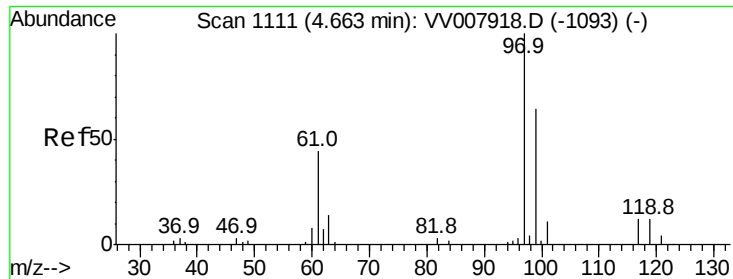
Tot Ion: 83 Resp: 61571
Ion Ratio Lower Upper
83 100
85 61.9 44.8 83.2



#27
1,2-Dichloroethane
Concen: 4.932 ug/L
RT: 5.19 min Scan# 1274
Delta R.T. -0.00 min
Lab File: VV007941.D
Acq: 28 Sep 2018 06:46

Tgt Ion: 62 Resp: 38394
Ion Ratio Lower Upper
62 100
98 8.9 6.6 10.0

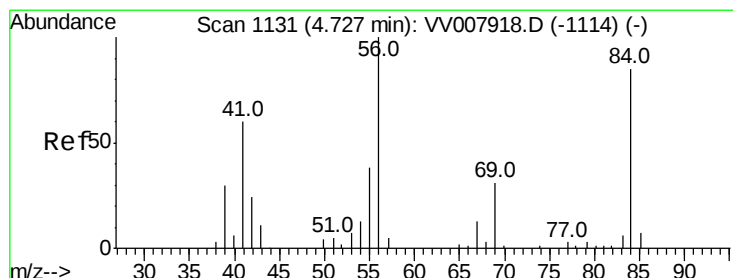
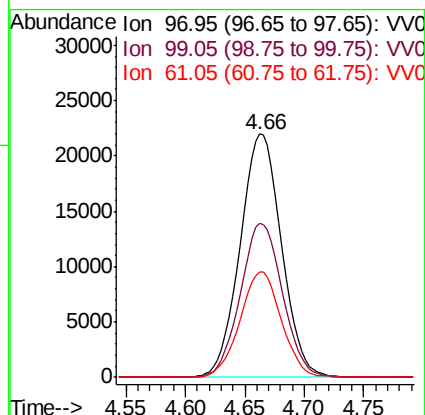
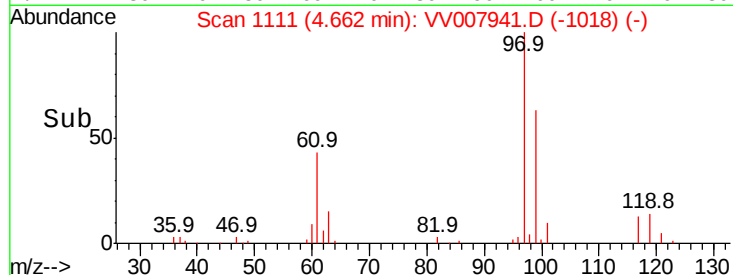
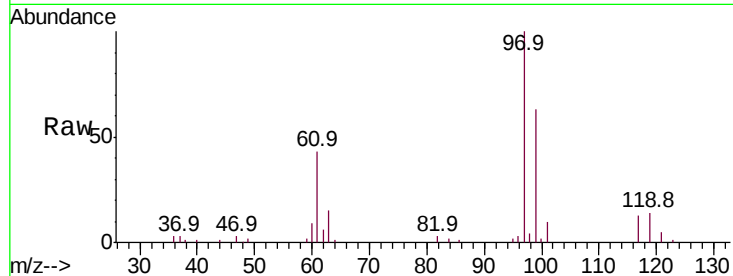




#29
1,1,1-Trichloroethane
Concen: 5.003 ug/L
RT: 4.66 min Scan# 1111
Delta R.T. -0.00 min
Lab File: VV007941.D
Acq: 28 Sep 2018 06:46

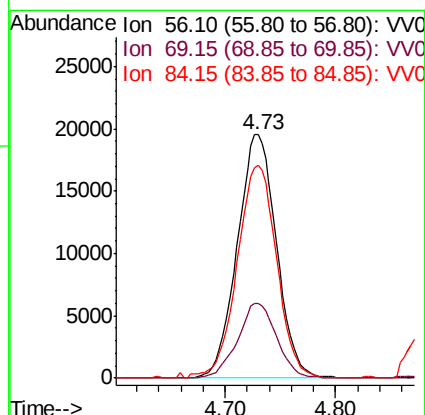
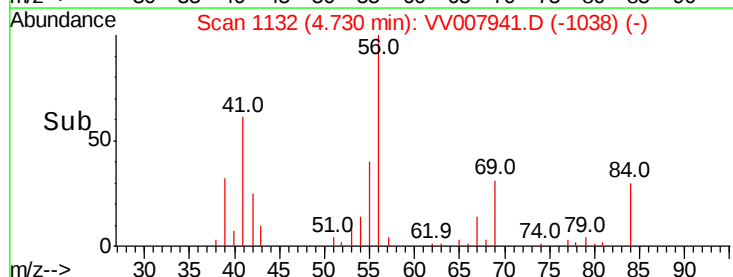
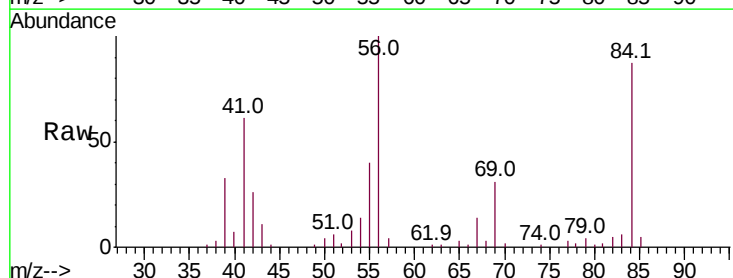
Instrument :
MSVOA_V
ClientSampled :

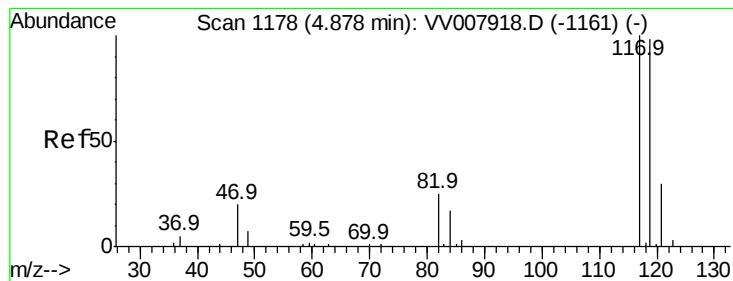
Tot Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.2	76.8
61	43.4	34.6	52.0



#30
Cyclohexane
Concen: 4.827 ug/L
RT: 4.73 min Scan# 1132
Delta R.T. 0.00 min
Lab File: VV007941.D
Acq: 28 Sep 2018 06:46

Tgt Ion	Ratio	Lower	Upper
56	100		
69	30.5	24.2	36.4
84	88.0	69.8	104.8





#31

Carbon tetrachloride

Concen: 5.035 ug/L

RT: 4.88 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VV007941.D

Acq: 28 Sep 2018 06:46

Instrument :

MSVOA_V

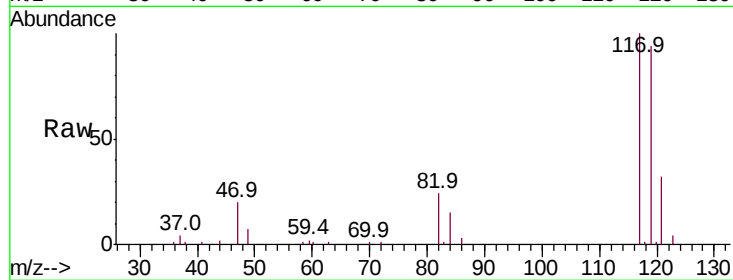
ClientSampleId :

Tot Ion:117 Resp: 46944

Ion Ratio Lower Upper

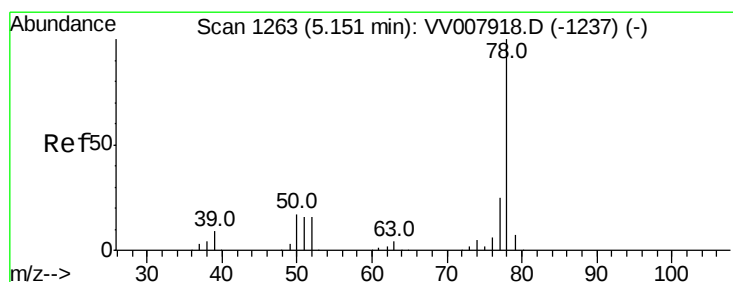
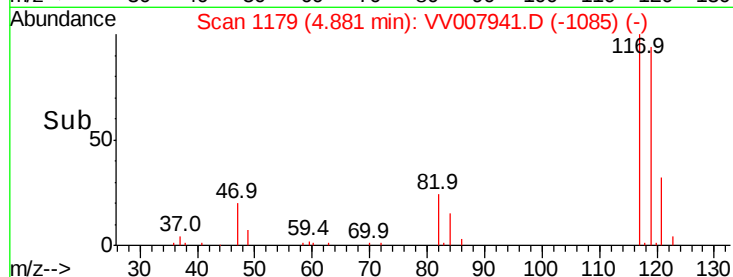
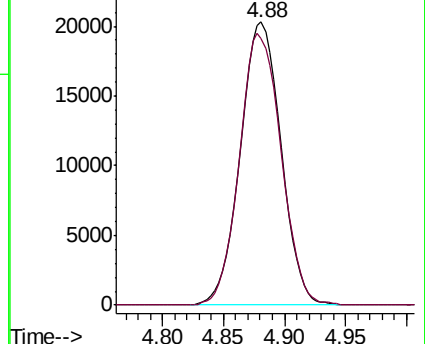
117 100

119 97.9 77.8 116.8



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.088 ug/L

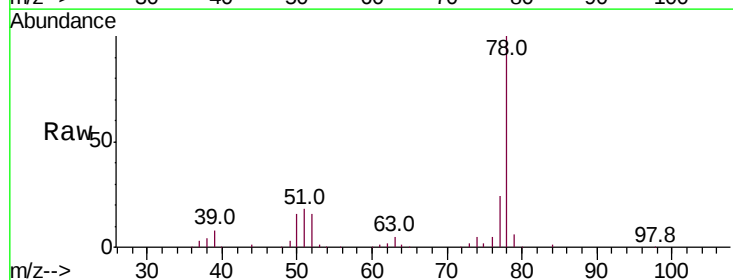
RT: 5.15 min Scan# 1264

Delta R.T. 0.00 min

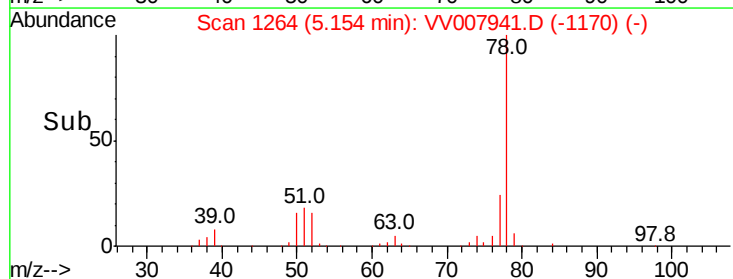
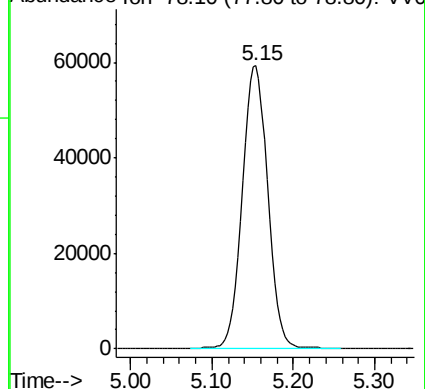
Lab File: VV007941.D

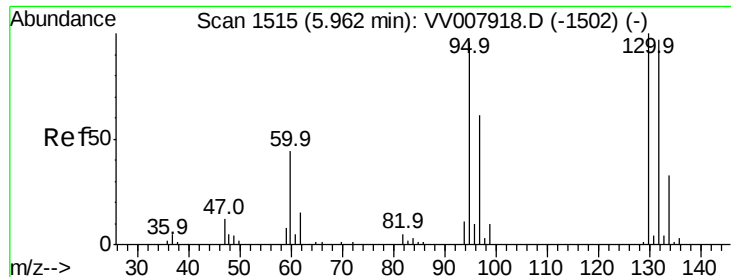
Acq: 28 Sep 2018 06:46

Tgt Ion: 78 Resp: 128121



Abundance Ion 78.10 (77.80 to 78.80): VV0

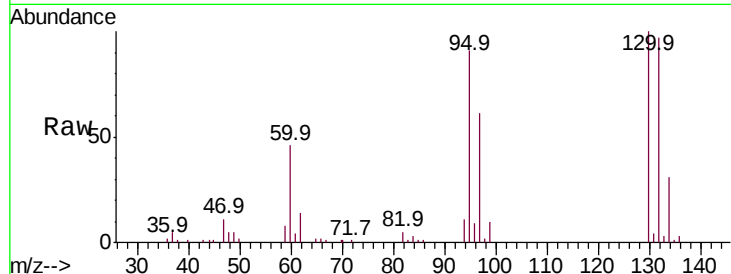




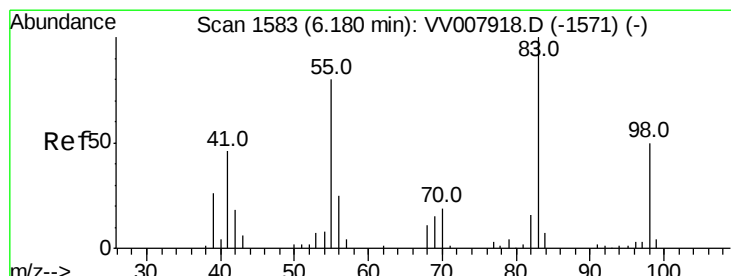
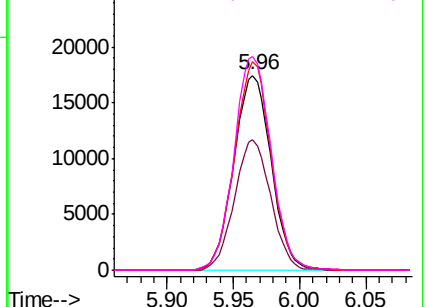
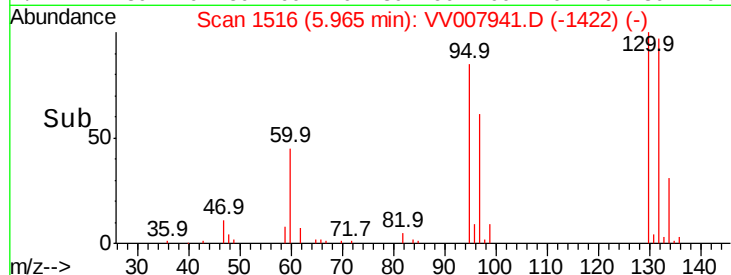
#34
 Trichloroethene
 Concen: 4.754 ug/L
 RT: 5.96 min Scan# 1516
 Delta R.T. 0.00 min
 Lab File: VV007941.D
 Acq: 28 Sep 2018 06:46

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 95 Resp: 34281
 Ion Ratio Lower Upper
 95 100
 97 66.8 43.6 81.0
 132 106.7 69.9 129.9
 130 109.4 71.7 133.3

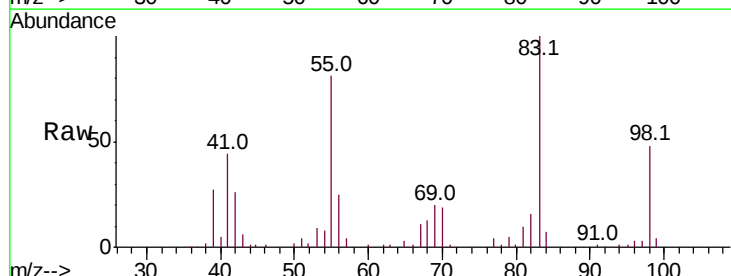


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 96.95 (96.65 to 97.65): VV0
 Ion 131.95 (131.65 to 132.65): VV0
 Ion 129.95 (129.65 to 130.65): VV0

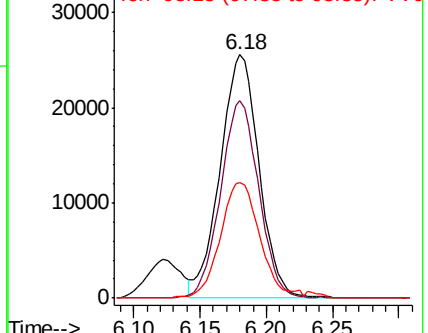
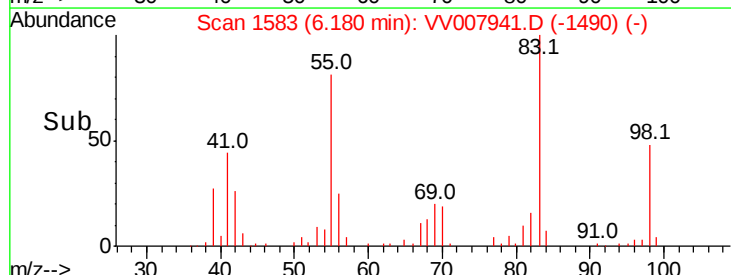


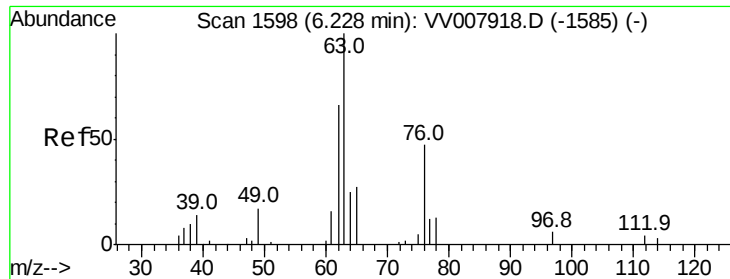
#35
 Methylcyclohexane
 Concen: 4.812 ug/L
 RT: 6.18 min Scan# 1583
 Delta R.T. -0.00 min
 Lab File: VV007941.D
 Acq: 28 Sep 2018 06:46

Tgt Ion: 83 Resp: 52027
 Ion Ratio Lower Upper
 83 100
 55 79.4 62.2 93.2
 98 48.4 38.0 57.0



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: 5.104 ug/L

RT: 6.23 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VV007941.D

Acq: 28 Sep 2018 06:46

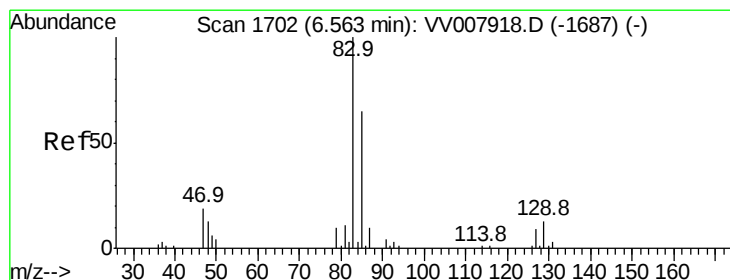
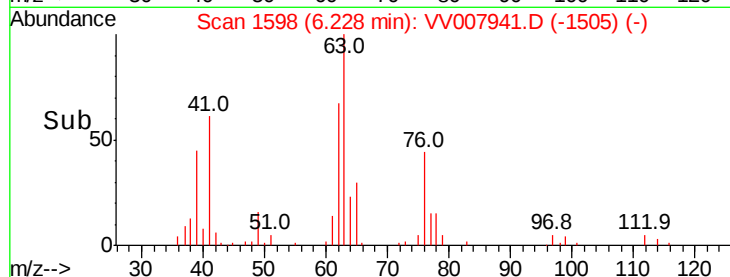
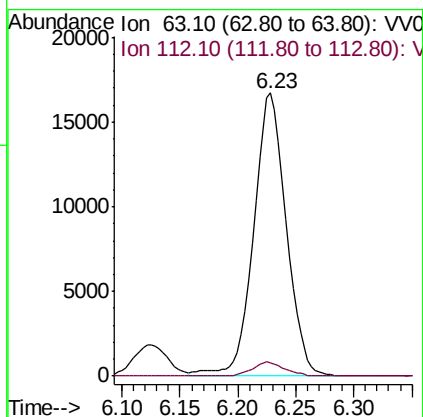
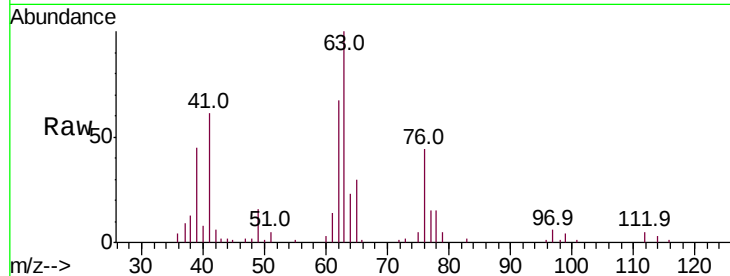
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 63 Resp: 32837

Ion Ratio Lower Upper

63 100

112 4.9 3.4 5.0



#38

Bromodichloromethane

Concen: 4.973 ug/L

RT: 6.56 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VV007941.D

Acq: 28 Sep 2018 06:46

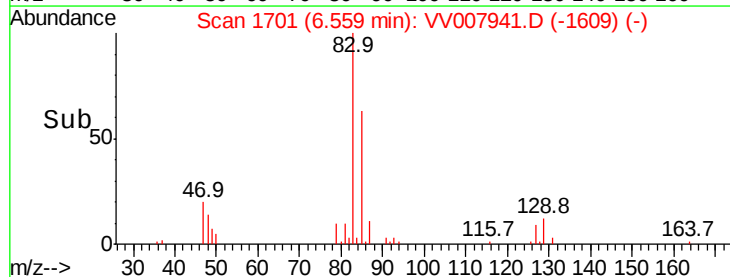
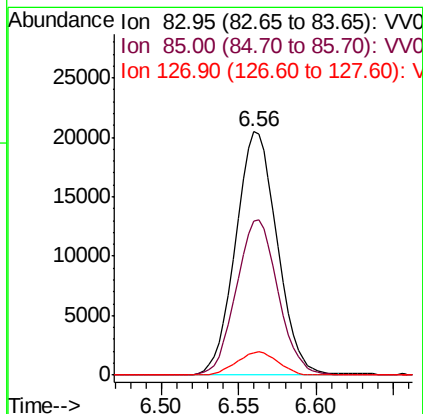
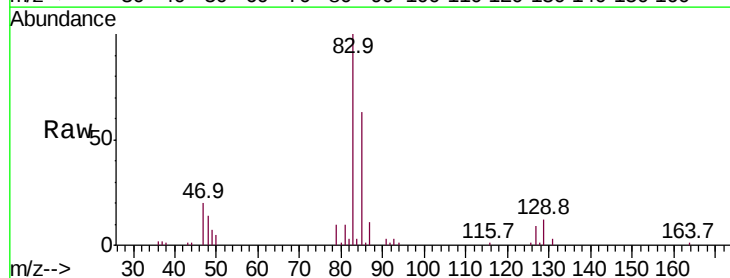
Tgt Ion: 83 Resp: 38257

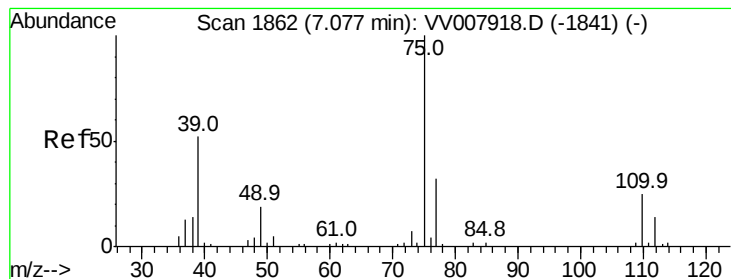
Ion Ratio Lower Upper

83 100

85 63.3 44.7 82.9

127 9.3 7.8 11.6



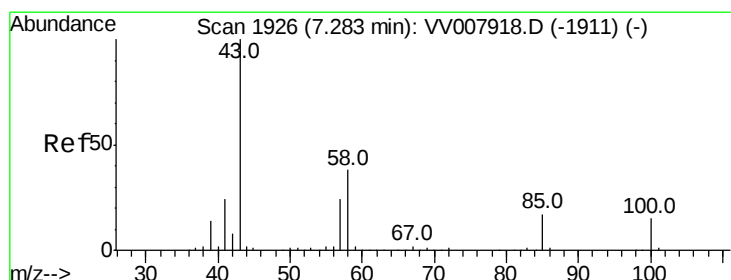
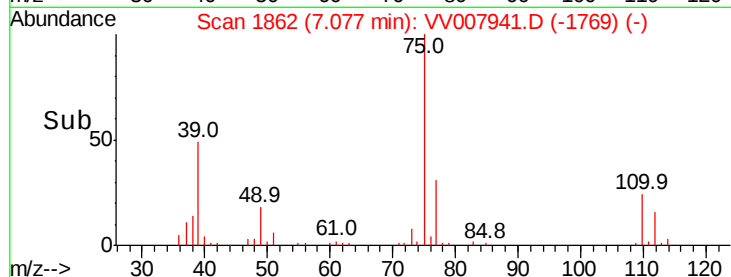
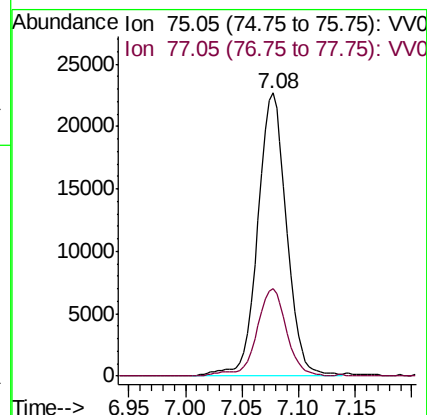
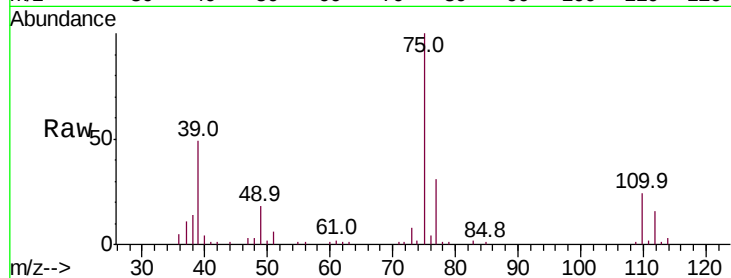


#39

cis-1,3-Dichloropropene
Concen: 4.680 ug/L
RT: 7.08 min Scan# 1862
Delta R.T. -0.00 min
Lab File: VV007941.D
Acq: 28 Sep 2018 06:46

Instrument :
MSVOA_V
ClientSampleId :

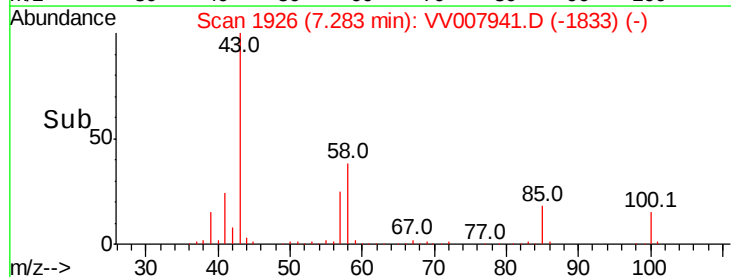
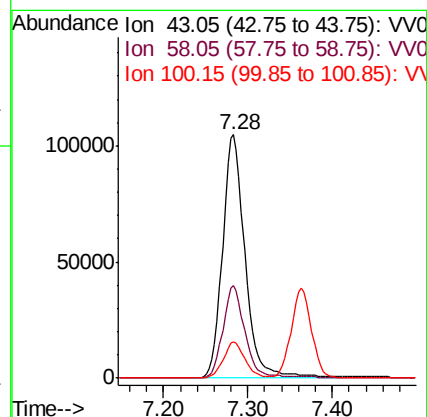
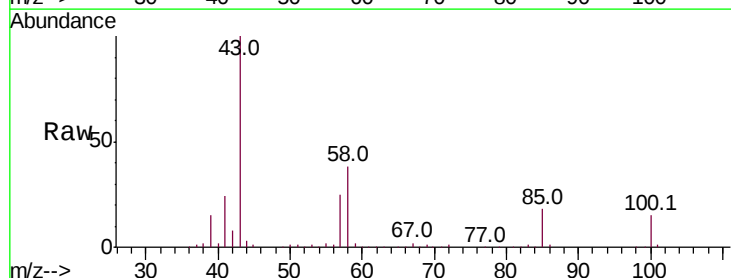
Tot Ion: 75 Resp: 40277
Ion Ratio Lower Upper
75 100
77 30.7 22.9 42.5

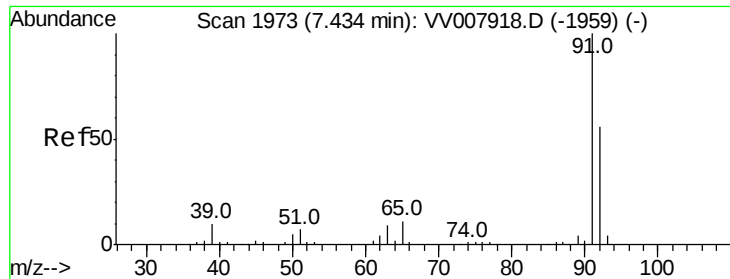


#40

4-Methyl-2-pentanone
Concen: 48.252 ug/L
RT: 7.28 min Scan# 1926
Delta R.T. -0.00 min
Lab File: VV007941.D
Acq: 28 Sep 2018 06:46

Tgt Ion: 43 Resp: 194842
Ion Ratio Lower Upper
43 100
58 36.6 29.4 44.0
100 14.3 11.5 17.3





#42

Toluene

Concen: 5.217 ug/L

RT: 7.43 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VV007941.D

Acq: 28 Sep 2018 06:46

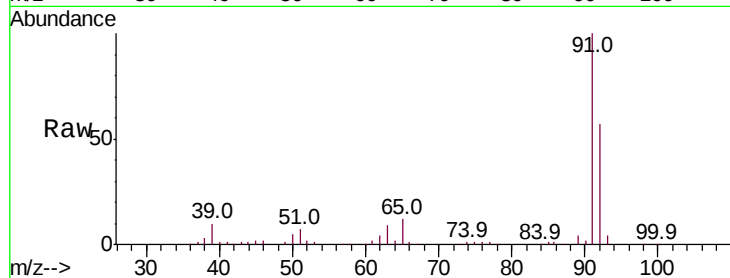
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 143086

Ion Ratio Lower Upper

91 100

92 56.9 40.8 75.8



Abundance Ion 91.15 (90.85 to 91.85): VV007918.D (-1959) (-)

Ion 92.15 (91.85 to 92.85): VV007918.D (-1959) (-)

7.43

80000

60000

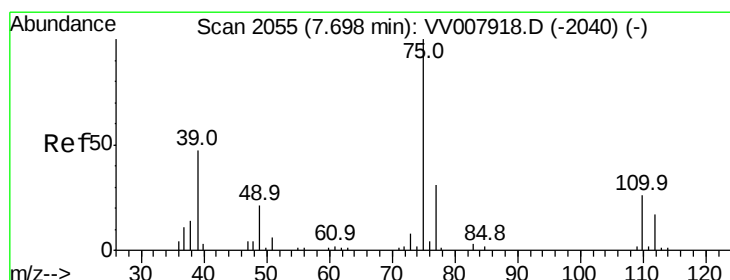
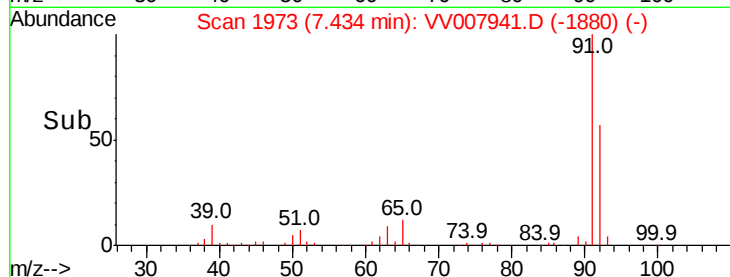
40000

20000

0

7.40 7.50

Time-->



#44

trans-1,3-Dichloropropene

Concen: 4.611 ug/L

RT: 7.70 min Scan# 2055

Delta R.T. -0.00 min

Lab File: VV007941.D

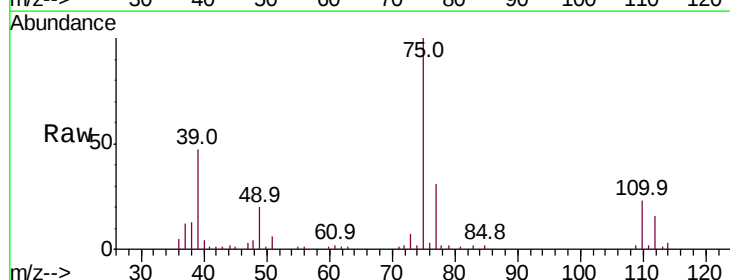
Acq: 28 Sep 2018 06:46

Tgt Ion: 75 Resp: 32985

Ion Ratio Lower Upper

75 100

77 31.0 22.3 41.5



Abundance Ion 75.05 (74.75 to 75.75): VV007918.D (-2040) (-)

Ion 77.05 (76.75 to 77.75): VV007918.D (-2040) (-)

7.70

20000

15000

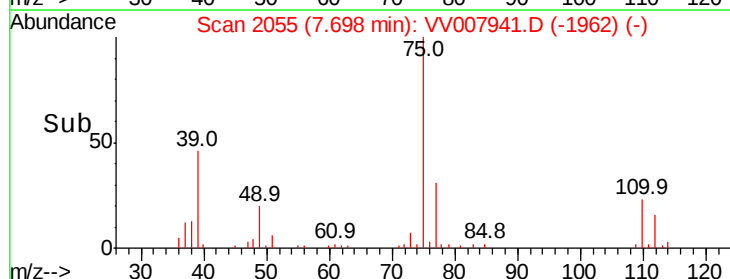
10000

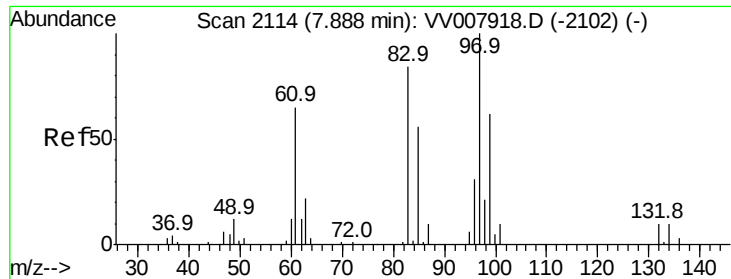
5000

0

7.60 7.70 7.80

Time-->

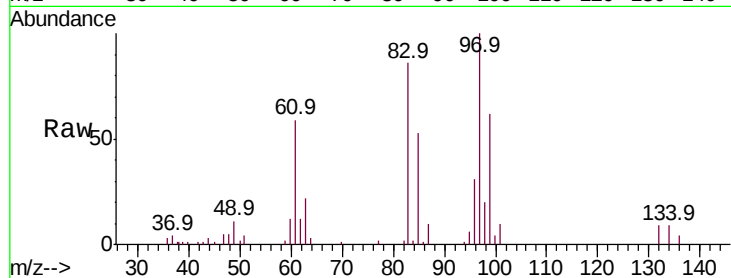




#45
 1,1,2-Trichloroethane
 Concen: 5.003 ug/L
 RT: 7.89 min Scan# 2114
 Delta R.T. -0.00 min
 Lab File: VV007941.D
 Acq: 28 Sep 2018 06:46

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:	97	Resp:	23228
Ion	Ratio	Lower	Upper
97	100		
99	61.8	43.5	80.9
83	85.8	59.7	110.9
85	53.1	39.5	73.3



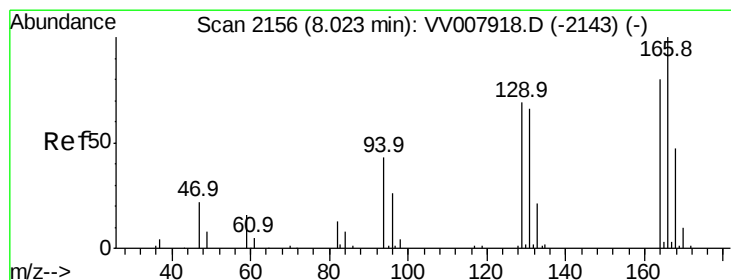
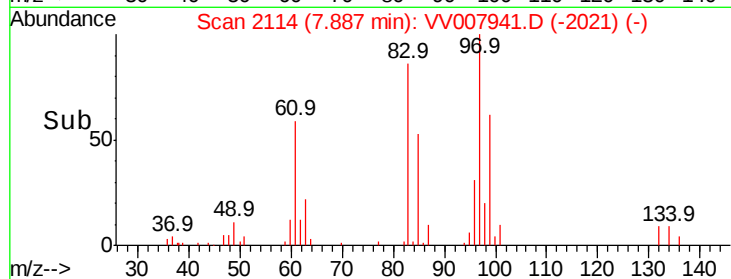
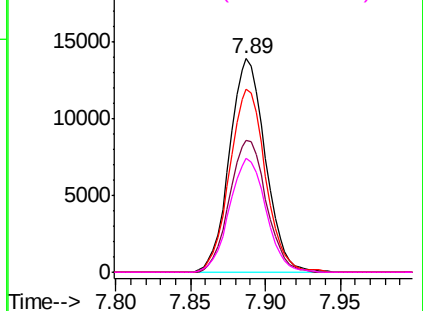
Abundance

Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

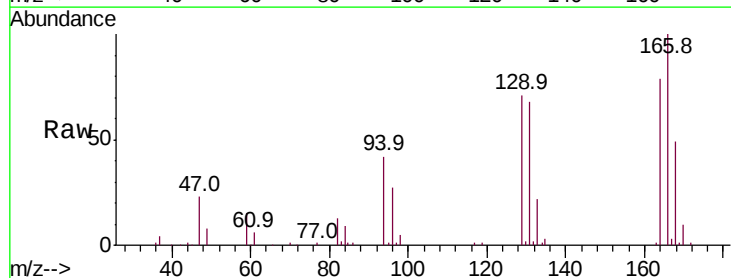
Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0



#47
 Tetrachloroethene
 Concen: 4.897 ug/L
 RT: 8.02 min Scan# 2156
 Delta R.T. -0.00 min
 Lab File: VV007941.D
 Acq: 28 Sep 2018 06:46

Tgt Ion:	164	Resp:	32720
Ion	Ratio	Lower	Upper
164	100		
129	89.6	59.2	110.0
131	86.6	57.1	106.1
166	126.9	88.6	164.6



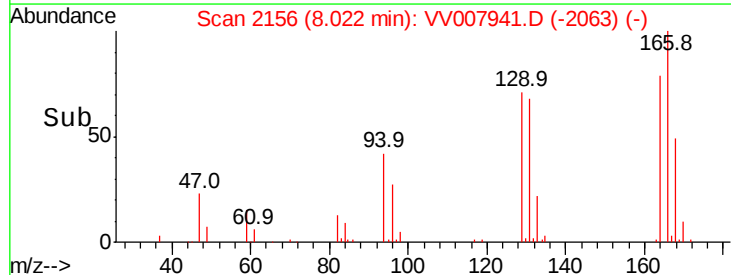
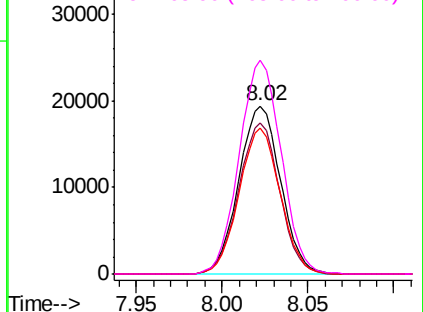
Abundance

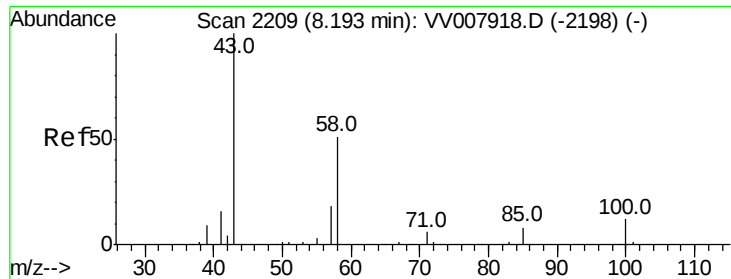
Ion 163.90 (163.60 to 164.60): V

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

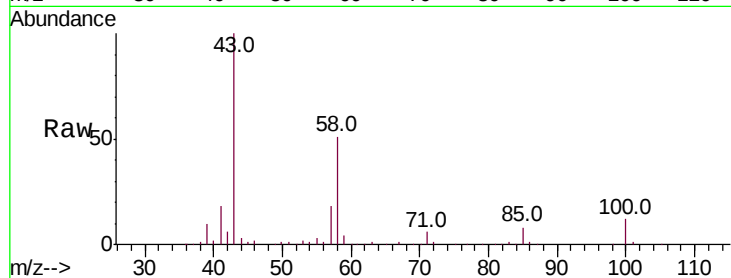




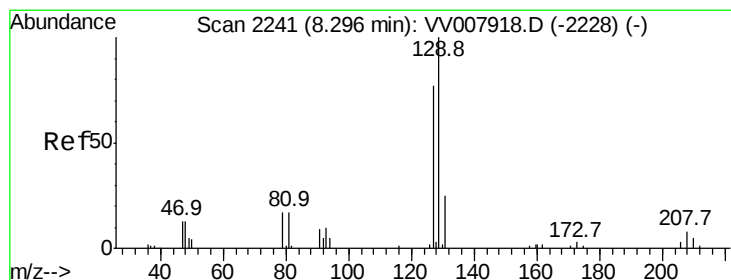
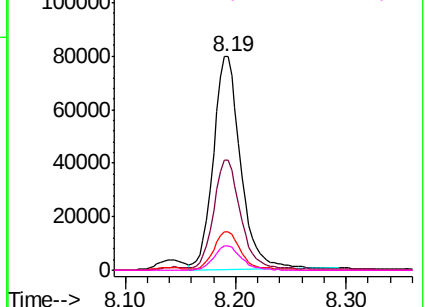
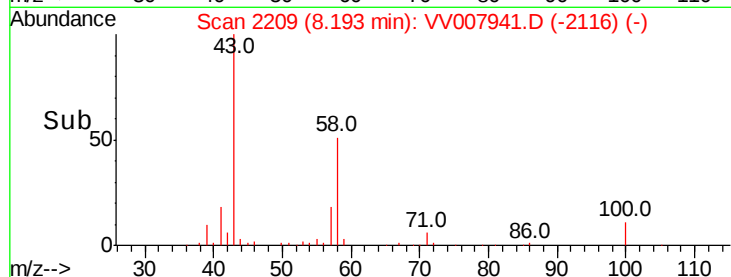
#48
2-Hexanone
Concen: 48.680 ug/L
RT: 8.19 min Scan# 2209
Delta R.T. -0.00 min
Lab File: VV007941.D
Acq: 28 Sep 2018 06:46

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 136714
Ion Ratio Lower Upper
43 100
58 49.8 41.9 62.9
57 18.2 14.3 21.5
100 11.6 9.2 13.8

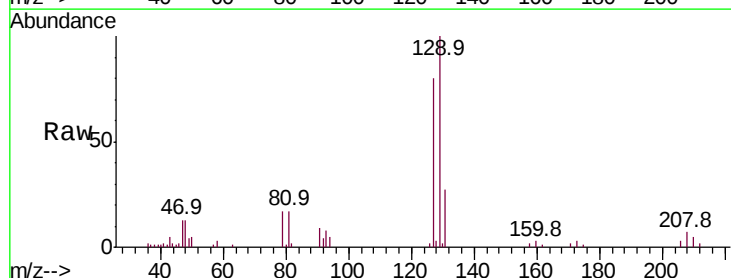


Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0

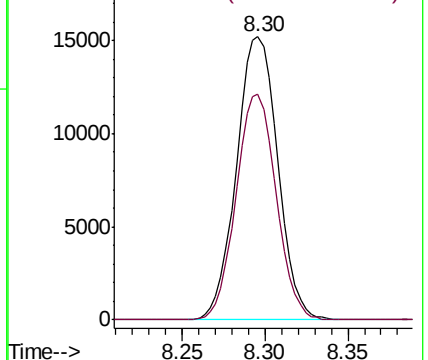
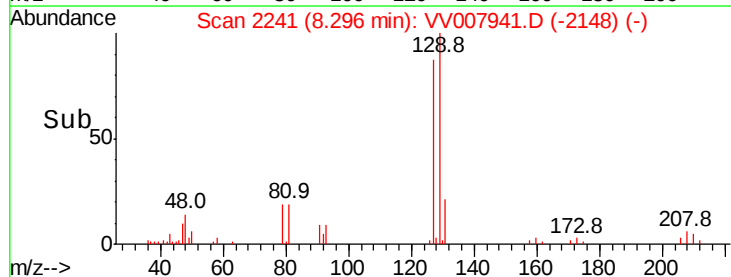


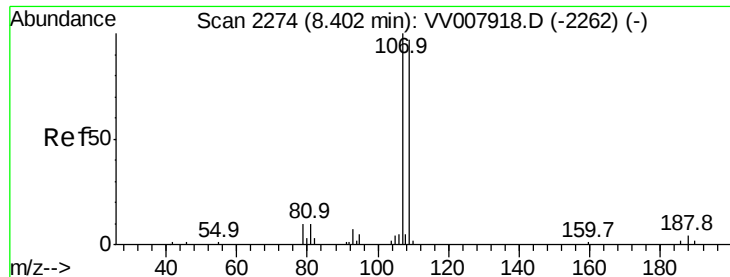
#49
Dibromochloromethane
Concen: 4.984 ug/L
RT: 8.30 min Scan# 2241
Delta R.T. -0.00 min
Lab File: VV007941.D
Acq: 28 Sep 2018 06:46

Tgt Ion: 129 Resp: 26416
Ion Ratio Lower Upper
129 100
127 79.7 53.1 98.5



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

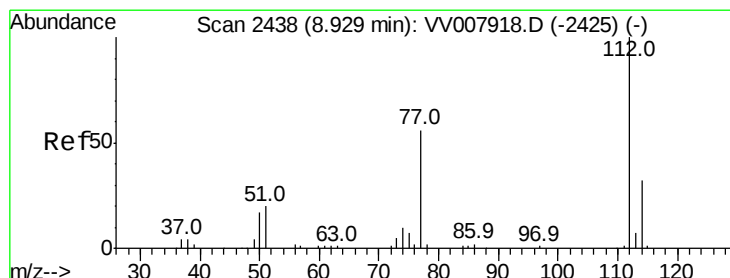
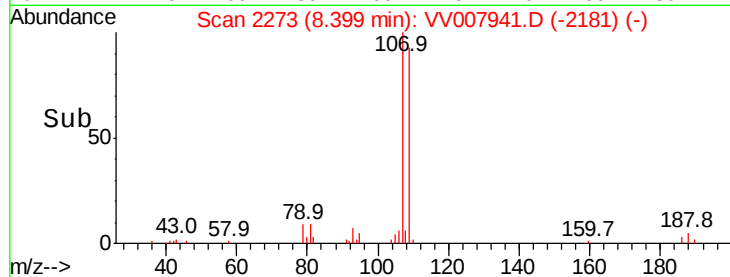
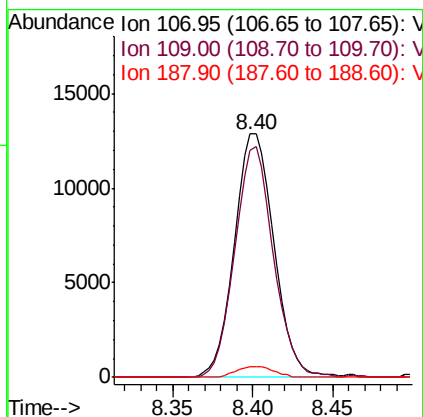
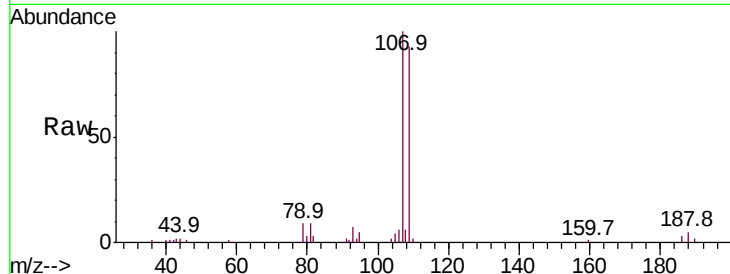




#50
1,2-Dibromoethane
Concen: 5.122 ug/L
RT: 8.40 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VV007941.D
Acq: 28 Sep 2018 06:46

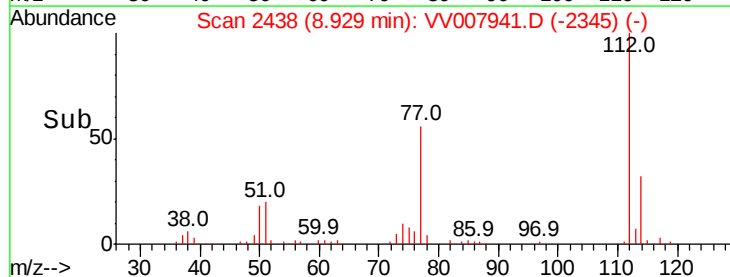
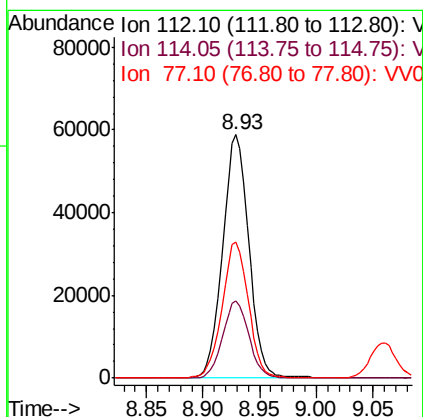
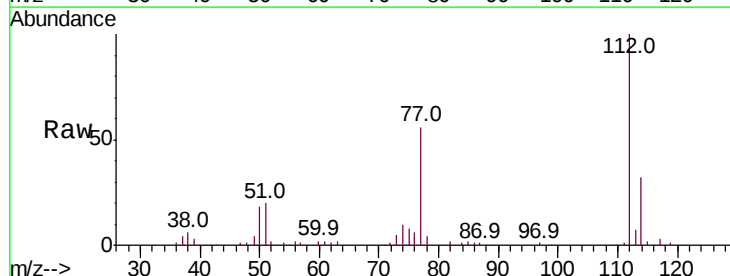
Instrument :
MSVOA_V
ClientSampleId :

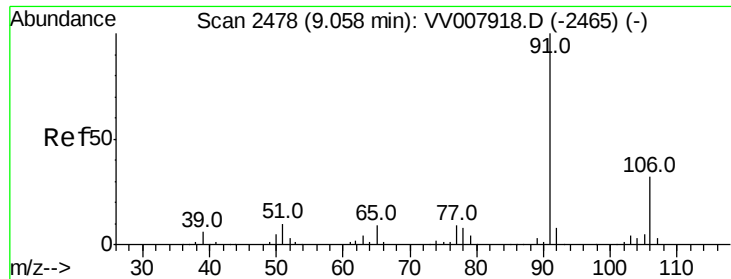
Tot Ion	Ratio	Lower	Upper
107	100		
109	93.3	64.9	120.5
188	4.6	4.0	6.0



#51
Chlorobenzene
Concen: 5.022 ug/L
RT: 8.93 min Scan# 2438
Delta R.T. -0.00 min
Lab File: VV007941.D
Acq: 28 Sep 2018 06:46

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.6	22.4	41.6
77	56.0	45.0	67.6

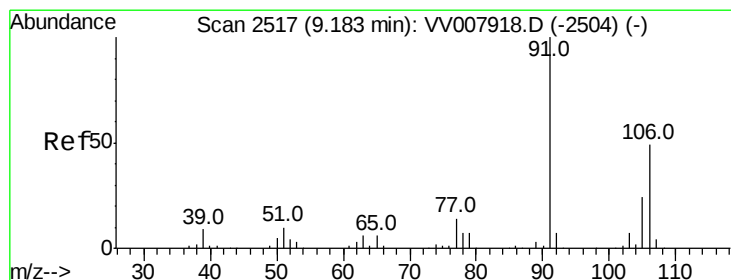
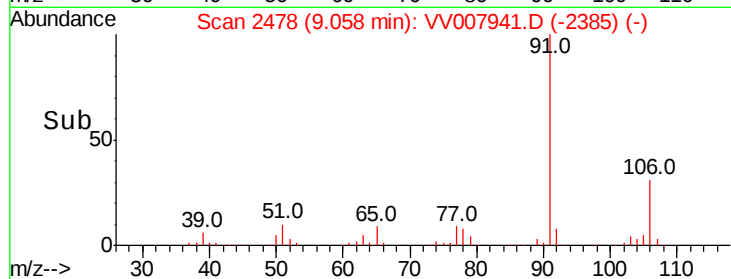
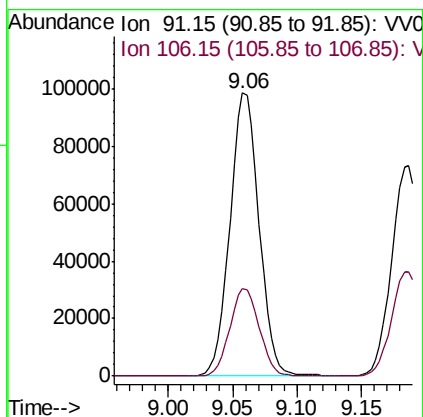
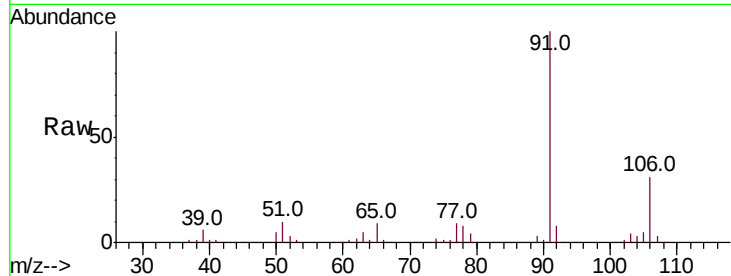




#52
Ethylbenzene
Concen: 5.050 ug/L
RT: 9.06 min Scan# 2478
Delta R.T. -0.00 min
Lab File: VV007941.D
Acq: 28 Sep 2018 06:46

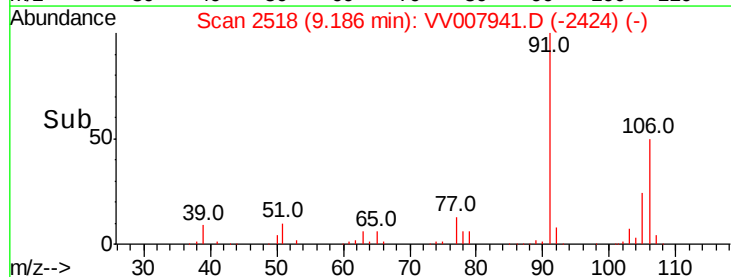
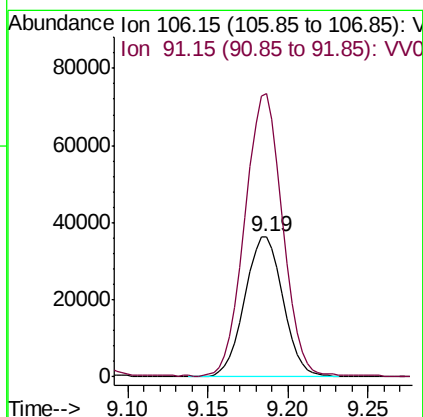
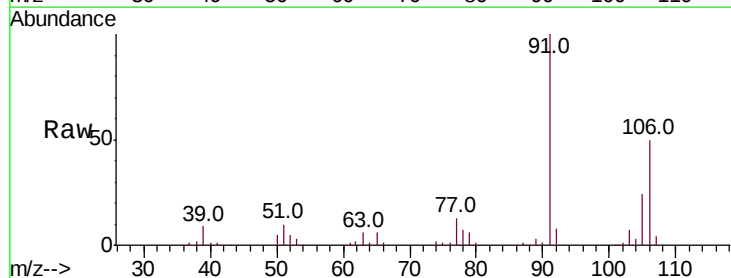
Instrument :
MSVOA_V
ClientSampled :

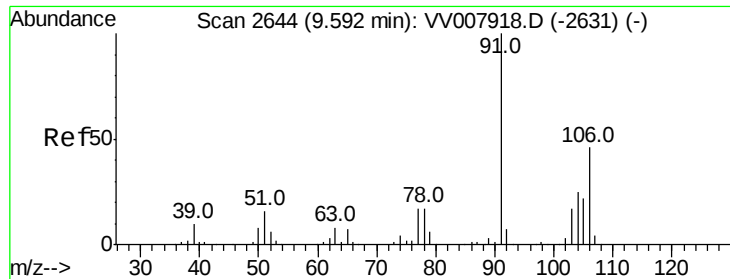
Tot Ion: 91 Resp: 154503
Ion Ratio Lower Upper
91 100
106 31.0 21.7 40.3



#53
m,p-xylene
Concen: 5.135 ug/L
RT: 9.19 min Scan# 2518
Delta R.T. 0.00 min
Lab File: VV007941.D
Acq: 28 Sep 2018 06:46

Tgt Ion: 106 Resp: 59821
Ion Ratio Lower Upper
106 100
91 202.0 139.4 258.8





#54

o-xylene

Concen: 5.016 ug/L

RT: 9.59 min Scan# 2644

Delta R.T. -0.00 min

Lab File: VV007941.D

Acq: 28 Sep 2018 06:46

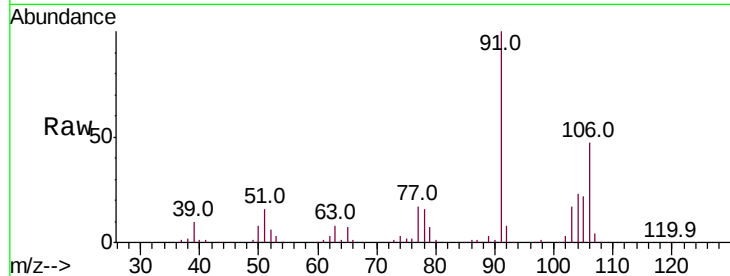
Instrument :
MSVOA_V
ClientSampled :

Tot Ion:106 Resp: 56444

Ion Ratio Lower Upper

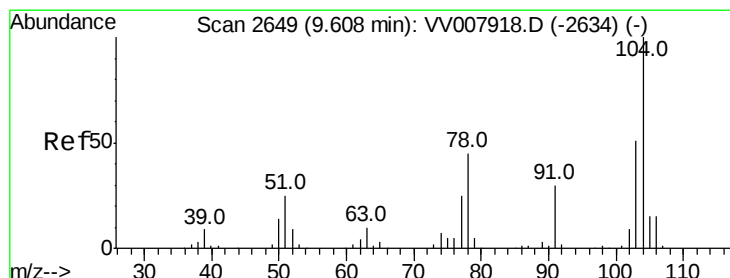
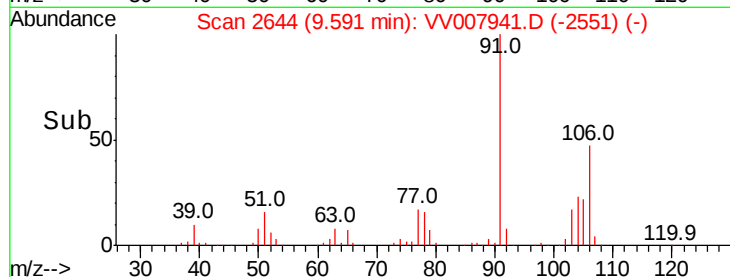
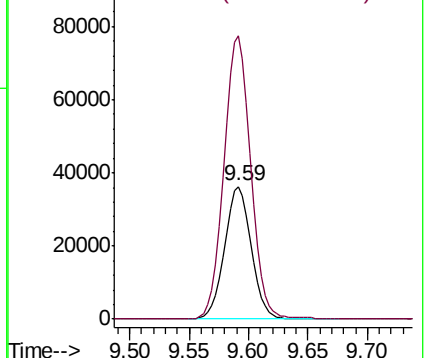
106 100

91 212.8 150.1 278.9



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 5.046 ug/L

RT: 9.61 min Scan# 2649

Delta R.T. -0.00 min

Lab File: VV007941.D

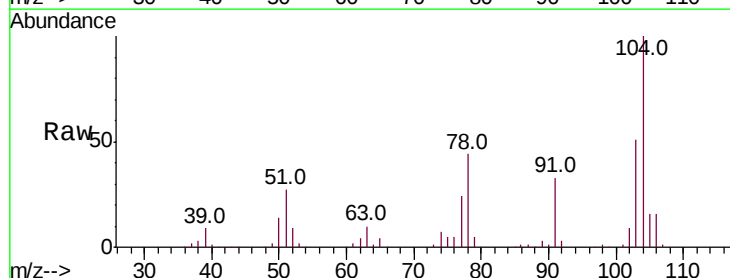
Acq: 28 Sep 2018 06:46

Tgt Ion:104 Resp: 96959

Ion Ratio Lower Upper

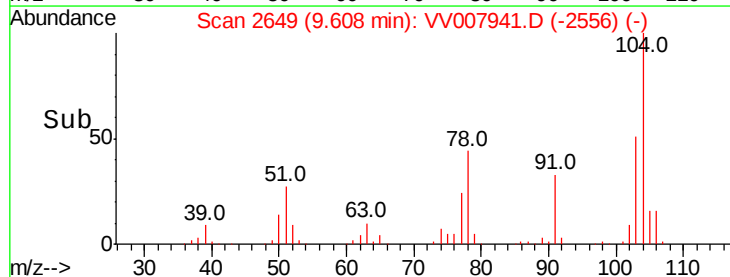
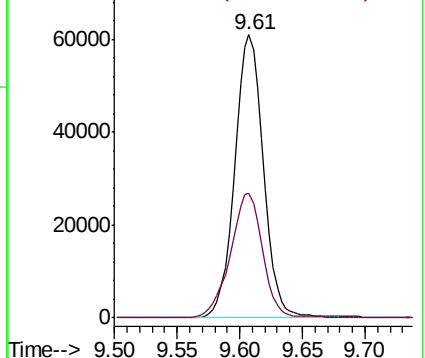
104 100

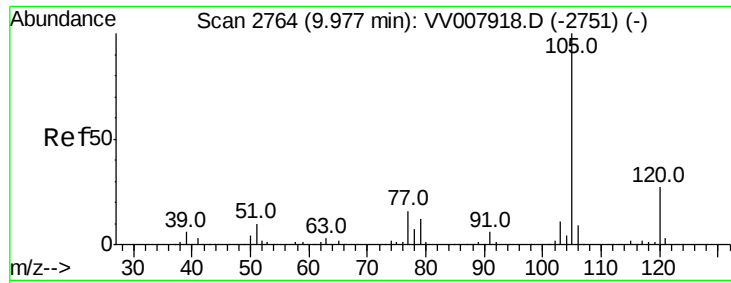
78 44.1 30.4 56.4



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 5.022 ug/L

RT: 9.98 min Scan# 2764

Delta R.T. -0.00 min

Lab File: VV007941.D

Acq: 28 Sep 2018 06:46

Instrument :
MSVOA_V
ClientSampled :

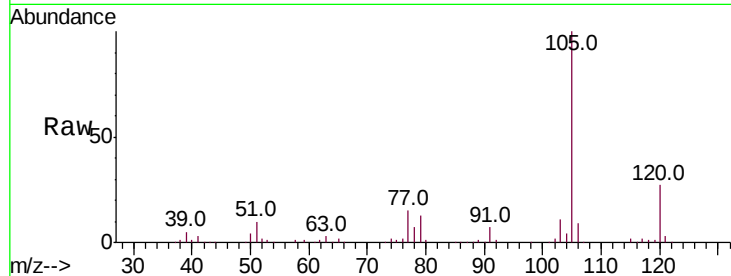
Tot Ion:105 Resp: 153035

Ion Ratio Lower Upper

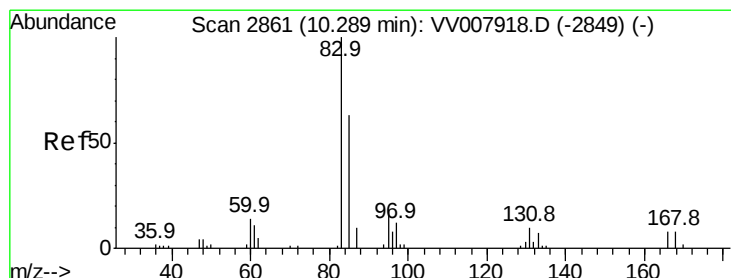
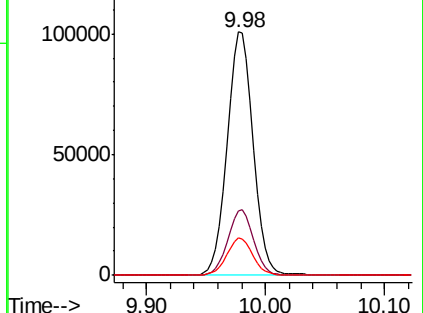
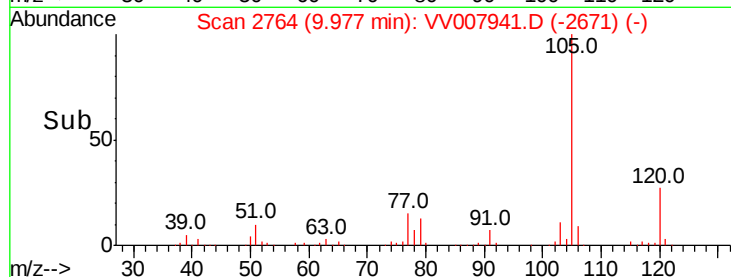
105 100

120 26.5 21.4 32.0

77 15.4 12.7 19.1



Abundance Ion 105.05 (104.75 to 105.75): V
Ion 120.10 (119.80 to 120.80): V
Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 4.962 ug/L

RT: 10.29 min Scan# 2862

Delta R.T. 0.00 min

Lab File: VV007941.D

Acq: 28 Sep 2018 06:46

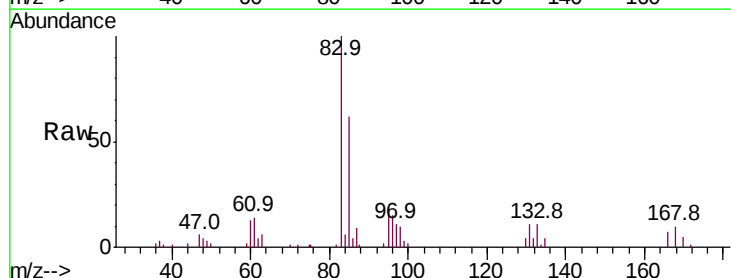
Tgt Ion: 83 Resp: 27059

Ion Ratio Lower Upper

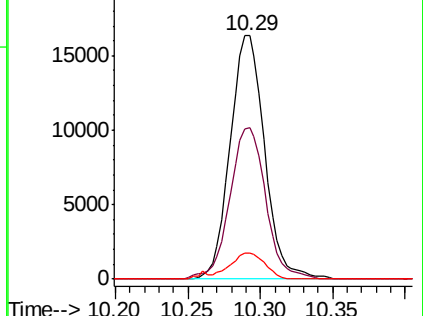
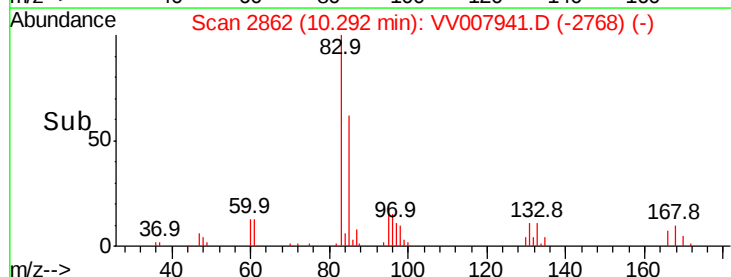
83 100

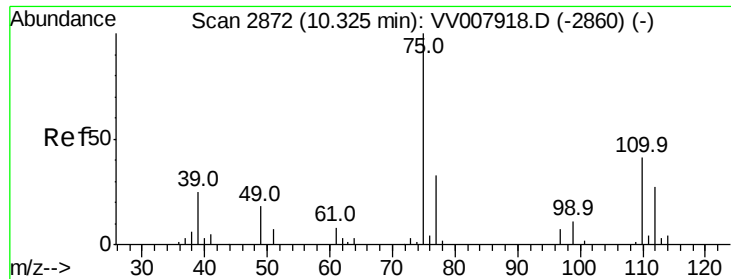
85 62.2 43.7 81.1

131 10.8 9.0 13.4



Abundance Ion 82.95 (82.65 to 83.65): VV0
Ion 85.00 (84.70 to 85.70): VV0
Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 4.927 ug/L

RT: 10.32 min Scan# 2872

Delta R.T. -0.00 min

Lab File: VV007941.D

Acq: 28 Sep 2018 06:46

Instrument :

MSVOA_V

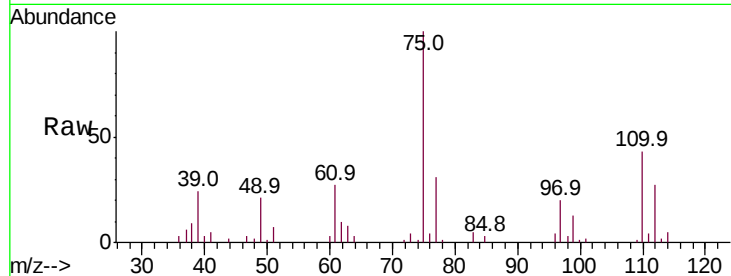
ClientSampled :

Tot Ion: 75 Resp: 19720

Ion Ratio Lower Upper

75 100

77 32.5 26.4 39.6



Abundance Ion 75.00 (74.70 to 75.70): VV007941.D (-2779) (-)

Ion 77.00 (76.70 to 77.70): VV007941.D (-2779) (-)

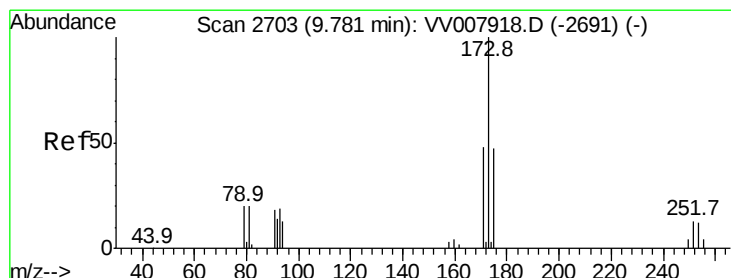
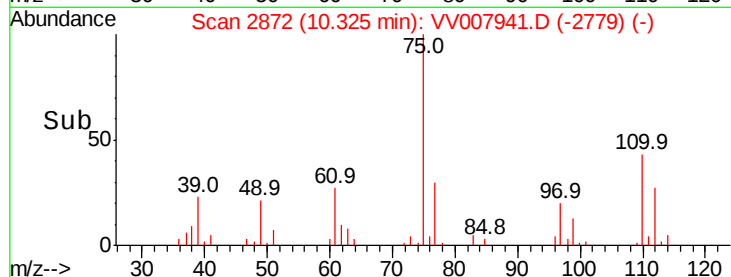
10.32

10000

5000

0

Time-->



#61

Bromoform

Concen: 5.139 ug/L

RT: 9.78 min Scan# 2702

Delta R.T. -0.00 min

Lab File: VV007941.D

Acq: 28 Sep 2018 06:46

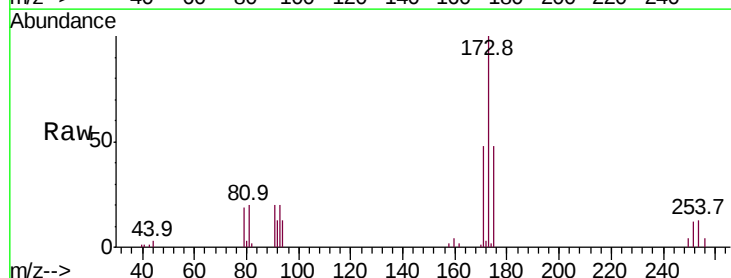
Tgt Ion:173 Resp: 14719

Ion Ratio Lower Upper

173 100

175 47.0 41.0 61.6

254 12.3 9.6 14.4



Abundance Ion 172.90 (172.60 to 173.60): VV007941.D (-2610) (-)

Ion 174.90 (174.60 to 175.60): VV007941.D (-2610) (-)

Ion 253.75 (253.45 to 254.45): VV007941.D (-2610) (-)

12000

10000

8000

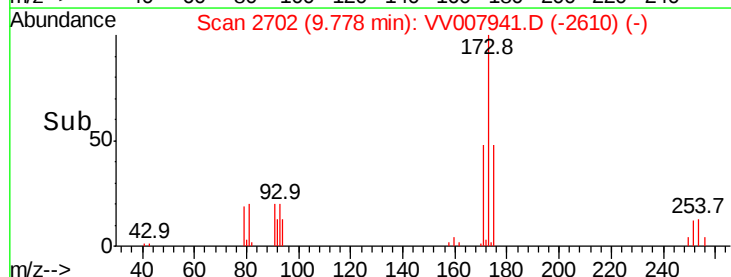
6000

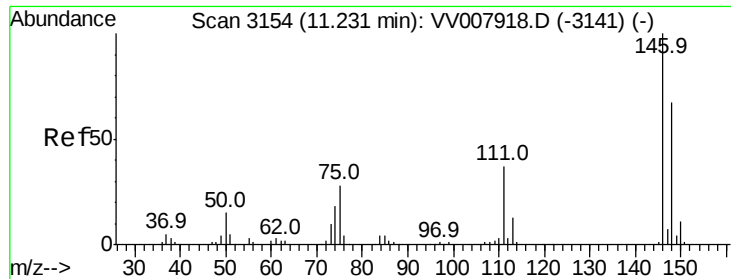
4000

2000

0

Time-->

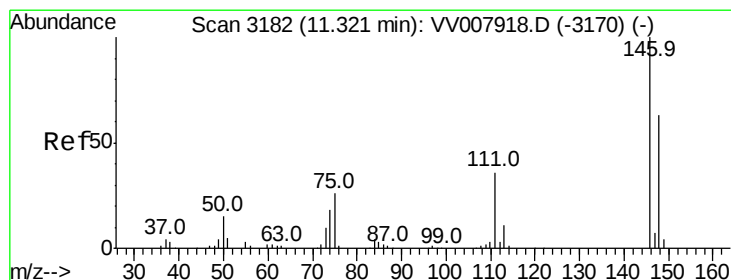
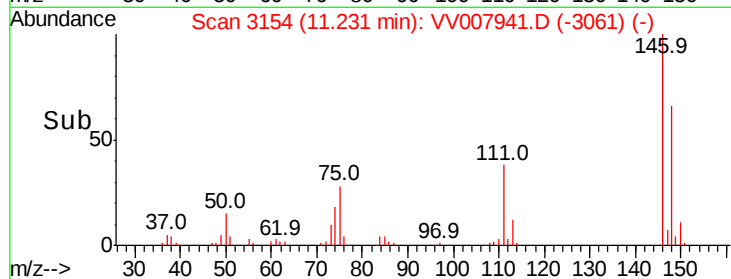
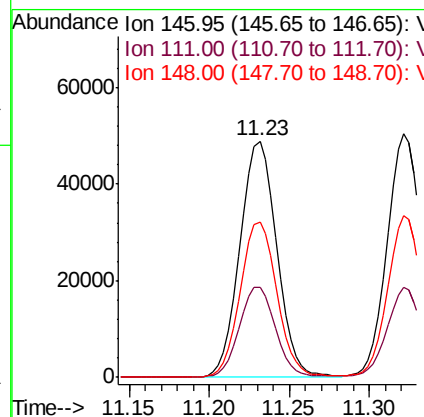
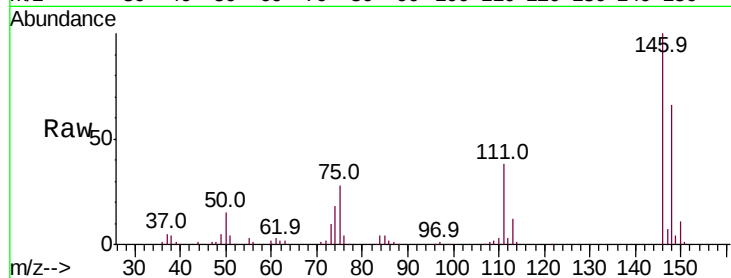




#62
 1,3-Dichlorobenzene
 Concen: 4.870 ug/L
 RT: 11.23 min Scan# 3154
 Delta R.T. -0.00 min
 Lab File: VV007941.D
 Acq: 28 Sep 2018 06:46

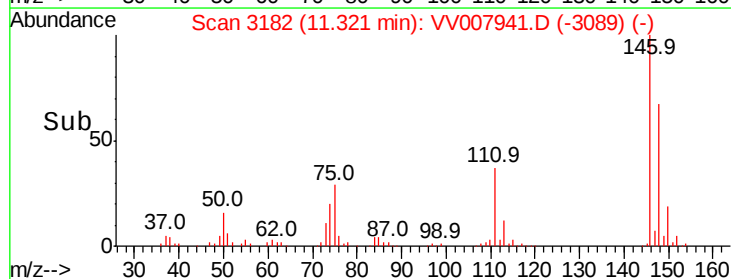
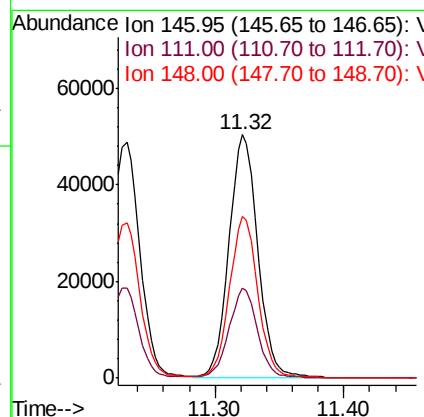
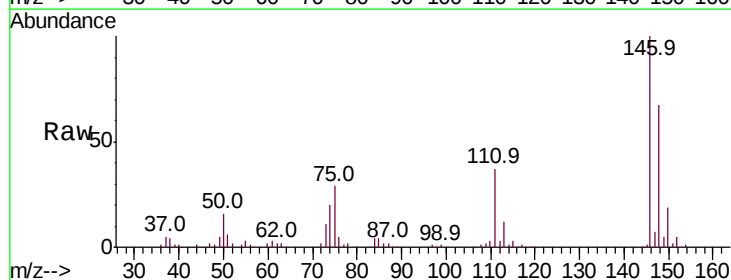
Instrument :
 MSVOA_V
 ClientSampleId :

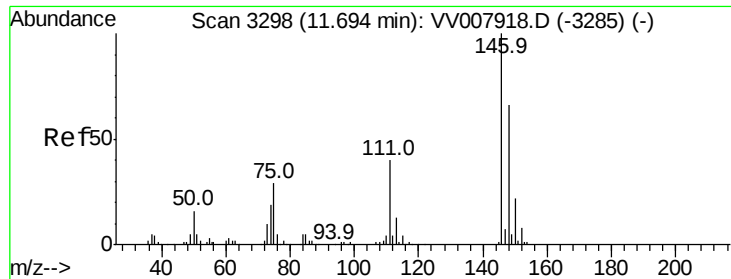
Tot Ion:146 Resp: 76674
 Ion Ratio Lower Upper
 146 100
 111 38.2 25.8 48.0
 148 65.9 44.7 82.9



#63
 1,4-Dichlorobenzene
 Concen: 4.783 ug/L
 RT: 11.32 min Scan# 3182
 Delta R.T. -0.00 min
 Lab File: VV007941.D
 Acq: 28 Sep 2018 06:46

Tgt Ion:146 Resp: 78309
 Ion Ratio Lower Upper
 146 100
 111 36.9 25.3 47.1
 148 66.5 44.7 82.9





#65

1,2-Dichlorobenzene

Concen: 5.062 ug/L

RT: 11.69 min Scan# 3298

Delta R.T. -0.00 min

Lab File: VV007941.D

Acq: 28 Sep 2018 06:46

Instrument :

MSVOA_V

ClientSampleId :

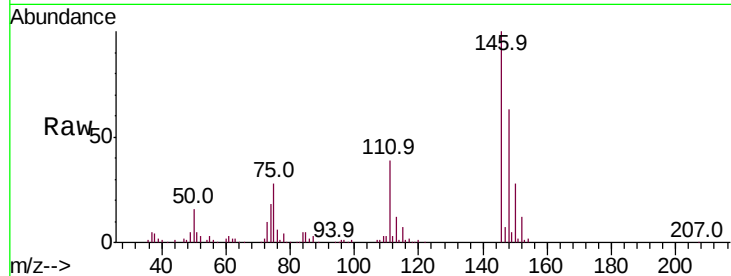
Tot Ion:146 Resp: 75142

Ion Ratio Lower Upper

146 100

111 38.6 31.2 46.8

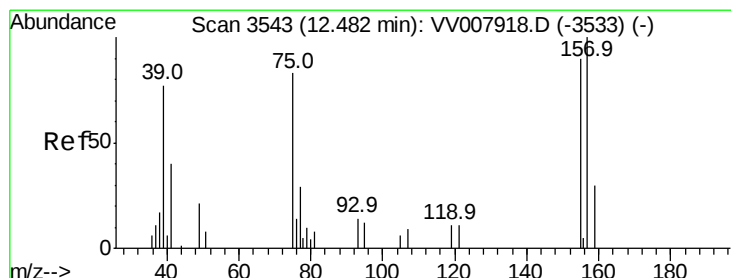
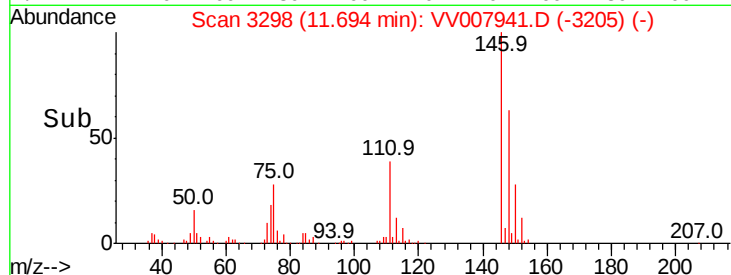
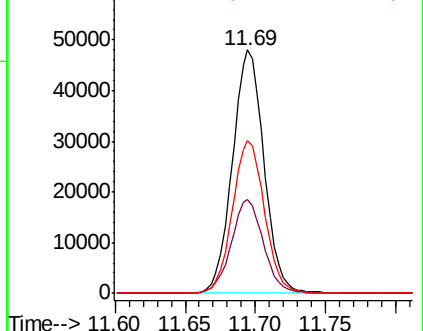
148 62.6 50.3 75.5



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 4.854 ug/L

RT: 12.48 min Scan# 3542

Delta R.T. -0.00 min

Lab File: VV007941.D

Acq: 28 Sep 2018 06:46

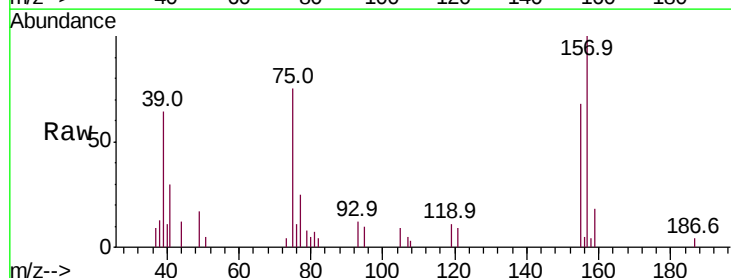
Tgt Ion: 75 Resp: 3670

Ion Ratio Lower Upper

75 100

155 91.0 83.4 125.2

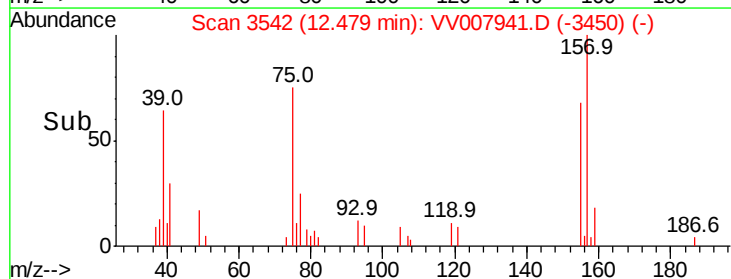
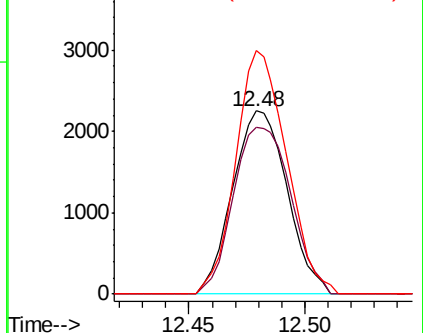
157 133.1 93.9 140.9

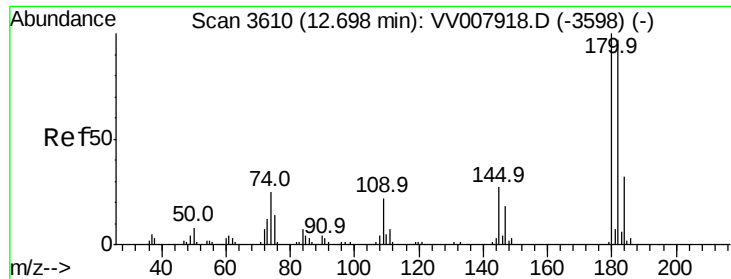


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

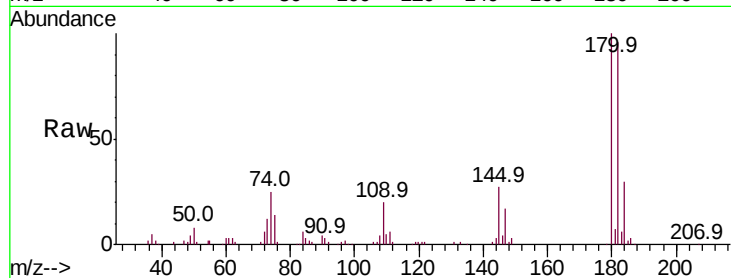




#67
 1,3,5-Trichlorobenzene
 Concen: 4.974 ug/L
 RT: 12.70 min Scan# 3610
 Delta R.T. -0.00 min
 Lab File: VV007941.D
 Acq: 28 Sep 2018 06:46

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:	180	Resp:	67054
Ion	Ratio	Lower	Upper
180	100		
182	93.9	76.2	114.4
184	29.9	24.5	36.7
145	26.2	22.2	33.4



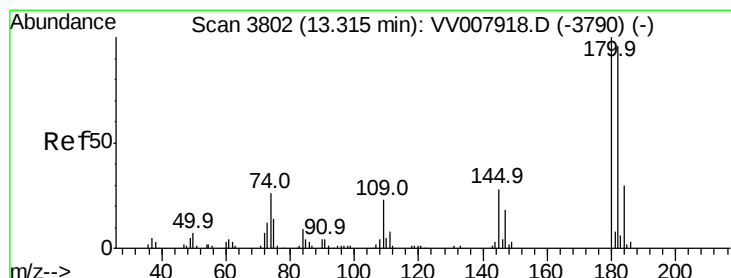
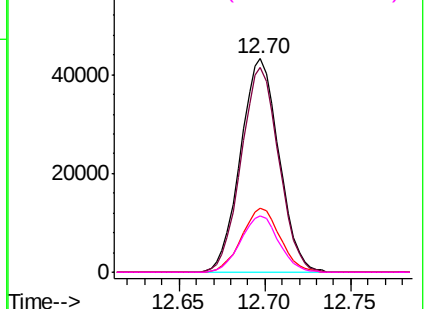
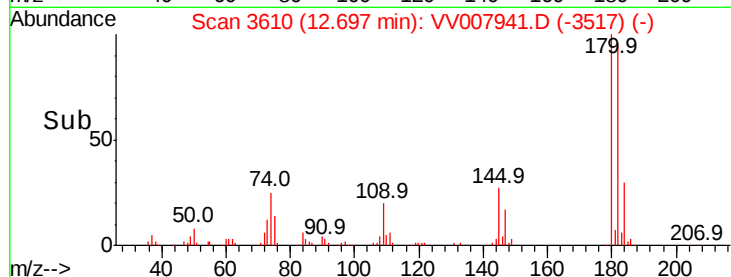
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

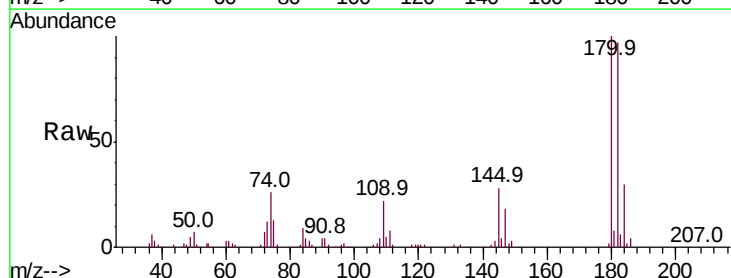
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 4.749 ug/L
 RT: 13.31 min Scan# 3802
 Delta R.T. -0.00 min
 Lab File: VV007941.D
 Acq: 28 Sep 2018 06:46

Tgt Ion:	180	Resp:	54110
Ion	Ratio	Lower	Upper
180	100		
182	94.9	77.4	116.2
145	27.9	22.6	33.8

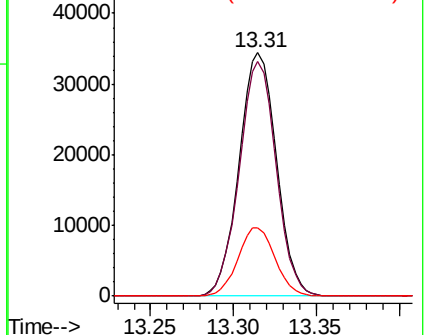
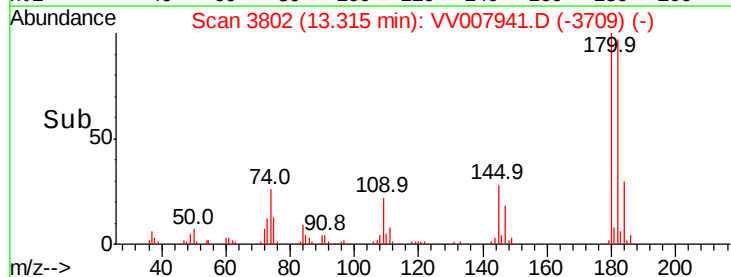


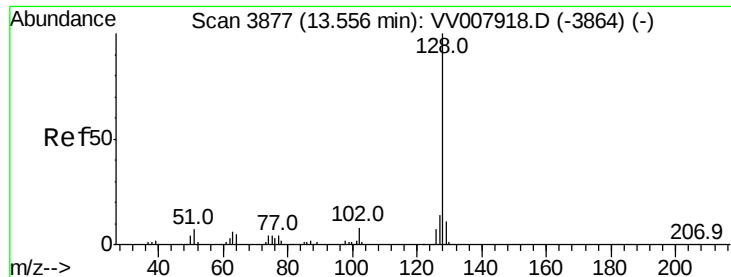
Abundance

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: 4.474 ug/L

RT: 13.56 min Scan# 3877

Delta R.T. -0.00 min

Lab File: VV007941.D

Acq: 28 Sep 2018 06:46

Instrument :

MSVOA_V

ClientSampleId :

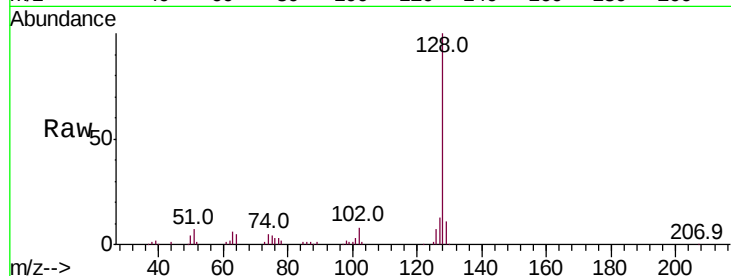
Tot Ion:128 Resp: 71309

Ion Ratio Lower Upper

128 100

129 10.8 8.6 13.0

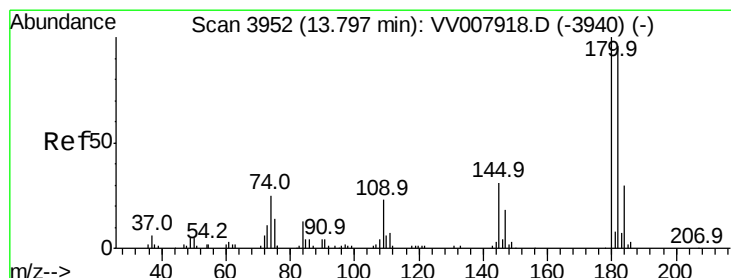
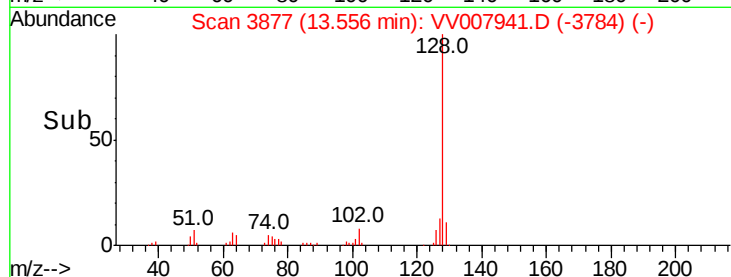
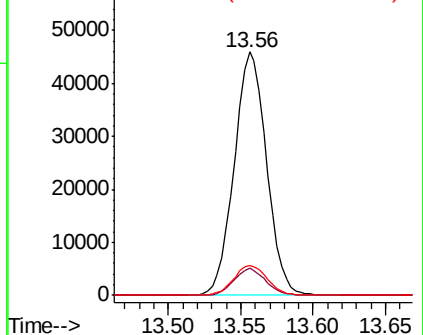
127 12.7 10.3 15.5



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: 4.744 ug/L

RT: 13.80 min Scan# 3952

Delta R.T. -0.00 min

Lab File: VV007941.D

Acq: 28 Sep 2018 06:46

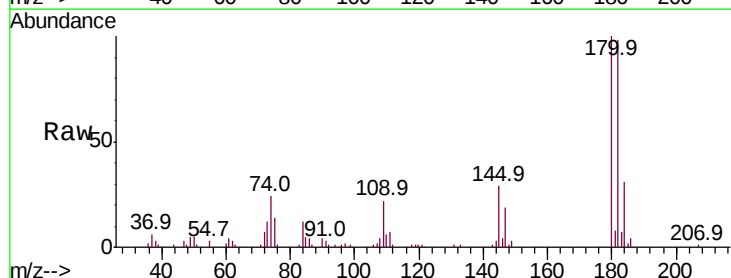
Tgt Ion:180 Resp: 48950

Ion Ratio Lower Upper

180 100

182 97.3 75.7 113.5

145 29.8 23.4 35.0



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

