

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV100318\
 Data File : VV008053.D
 Acq On : 03 Oct 2018 18:24
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0 mL/MSVOA V/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Oct 04 07:55:53 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR092718WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Oct 04 07:54:45 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	91003	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	90041	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	49105	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	20908	4.28	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	85.60%
7) Chloroethane-d5	1.58	69	19162	4.55	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	91.00%
11) 1,1-Dichloroethene-d2	2.14	63	48620	4.41	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	88.20%
20) 2-Butanone-d5	3.96	46	81510	55.55	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	111.10%
24) Chloroform-d	4.41	84	58014	5.22	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.40%
26) 1,2-Dichloroethane-d4	5.09	65	30150	4.93	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.60%
32) Benzene-d6	5.10	84	104248	4.85	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.00%
36) 1,2-Dichloropropane-d6	6.12	67	33215	4.87	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.40%
41) Toluene-d8	7.36	98	105808	4.83	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.60%
43) trans-1,3-Dichloropropene-	7.67	79	12239	4.66	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	93.20%
46) 2-Hexanone-d5	8.14	63	62163	53.67	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	107.34%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	27942	5.31	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	106.20%
64) 1,2-Dichlorobenzene-d4	11.68	152	44749	4.71	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	94.20%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	38109	4.993	ug/L 99
3) Chloromethane	1.25	50	31369	4.619	ug/L 100
5) Vinyl chloride	1.32	62	35365	4.864	ug/L 96
6) Bromomethane	1.54	94	20747	4.626	ug/L 98
8) Chloroethane	1.60	64	21551	4.915	ug/L 98
9) Trichlorofluoromethane	1.77	101	58086	4.894	ug/L 97
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	34755	5.163	ug/L 98
12) 1,1-Dichloroethene	2.15	96	29356	4.880	ug/L 92
13) Acetone	2.21	43	52338	48.954	ug/L 98
14) Carbon disulfide	2.32	76	70001	4.293	ug/L 98
15) Methyl Acetate	2.47	43	13990	5.117	ug/L 98
16) Methylene chloride	2.54	84	33478	5.009	ug/L 95
17) Methyl tert-butyl Ether	2.81	73	76777	5.166	ug/L 99
18) trans-1,2-Dichloroethene	2.79	96	31769	4.791	ug/L 98
19) 1,1-Dichloroethane	3.23	63	58708	5.189	ug/L 98
21) 2-Butanone	4.05	43	89276	52.412	ug/L 100
22) cis-1,2-Dichloroethene	3.96	96	35307	5.259	ug/L 99

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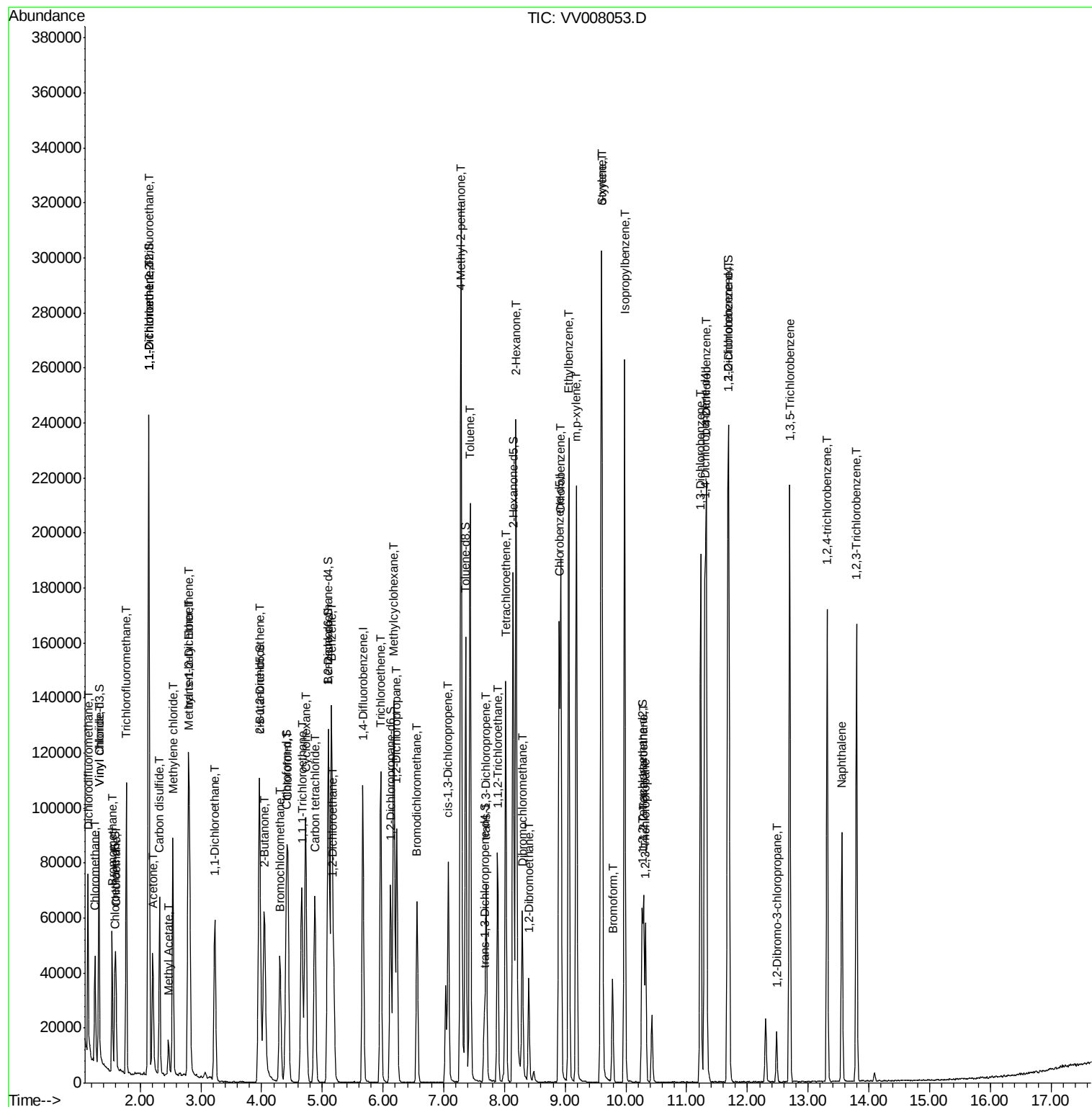
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.31	128	16561	5.672	ug/L	91
25) Chloroform	4.43	83	65012	5.313	ug/L	100
27) 1,2-Dichloroethane	5.19	62	40506	5.144	ug/L	97
29) 1,1,1-Trichloroethane	4.66	97	56428	5.212	ug/L	100
30) Cyclohexane	4.72	56	47000	4.618	ug/L	99
31) Carbon tetrachloride	4.87	117	50675	5.309	ug/L	96
33) Benzene	5.15	78	132527	5.140	ug/L	100
34) Trichloroethene	5.96	95	36729	4.975	ug/L	95
35) Methylcyclohexane	6.18	83	52186	4.714	ug/L	99
37) 1,2-Dichloropropane	6.23	63	35141	5.335	ug/L	98
38) Bromodichloromethane	6.56	83	42455	5.391	ug/L	99
39) cis-1,3-Dichloropropene	7.07	75	45016	5.109	ug/L	98
40) 4-Methyl-2-pentanone	7.28	43	222012	53.702	ug/L	100
42) Toluene	7.43	91	147165	5.241	ug/L	99
44) trans-1,3-Dichloropropene	7.70	75	38831	5.302	ug/L	100
45) 1,1,2-Trichloroethane	7.89	97	24543	5.163	ug/L	96
47) Tetrachloroethene	8.02	164	33861	4.950	ug/L	99
48) 2-Hexanone	8.19	43	158989	55.294	ug/L	99
49) Dibromochloromethane	8.29	129	30173	5.561	ug/L	99
50) 1,2-Dibromoethane	8.40	107	23711	5.457	ug/L	97
51) Chlorobenzene	8.93	112	98360	5.072	ug/L	97
52) Ethylbenzene	9.06	91	158252	5.052	ug/L	100
53) m,p-xylene	9.18	106	61040	5.117	ug/L	98
54) o-xylene	9.59	106	59419	5.158	ug/L	97
55) Styrene	9.61	104	103574	5.264	ug/L	98
56) Isopropylbenzene	9.98	105	162204	5.199	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.29	83	29494	5.283	ug/L	96
59) 1,2,3-Trichloropropane	10.32	75	22459	5.480	ug/L	97
61) Bromoform	9.78	173	16656	5.648	ug/L	98
62) 1,3-Dichlorobenzene	11.23	146	82068	5.062	ug/L	97
63) 1,4-Dichlorobenzene	11.32	146	84538	5.015	ug/L	100
65) 1,2-Dichlorobenzene	11.69	146	80351	5.258	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.48	75	3974	5.105	ug/L	96
67) 1,3,5-Trichlorobenzene	12.70	180	70040	5.046	ug/L	99
68) 1,2,4-trichlorobenzene	13.32	180	56269	4.796	ug/L	98
69) Naphthalene	13.56	128	72689	4.429	ug/L	99
70) 1,2,3-Trichlorobenzene	13.80	180	52802	4.970	ug/L	99

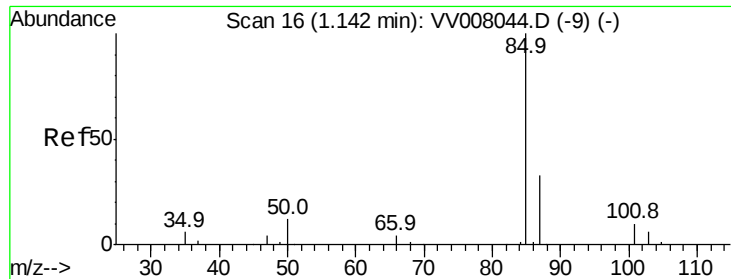
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 4.993 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV008053.D

Acq: 03 Oct 2018 18:24

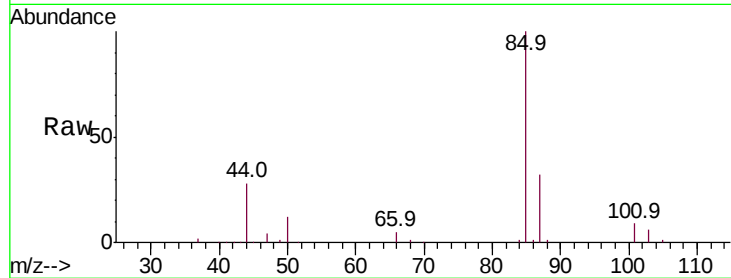
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 85 Resp: 38109

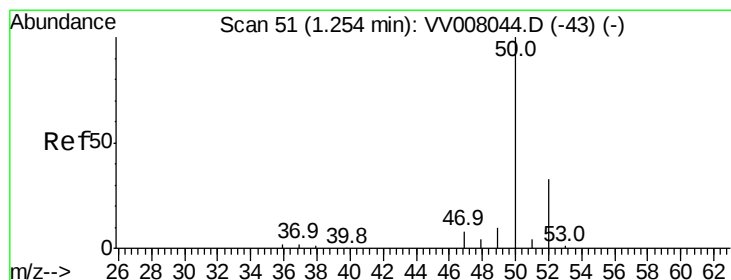
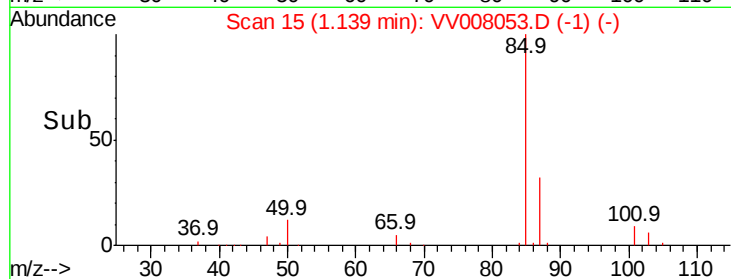
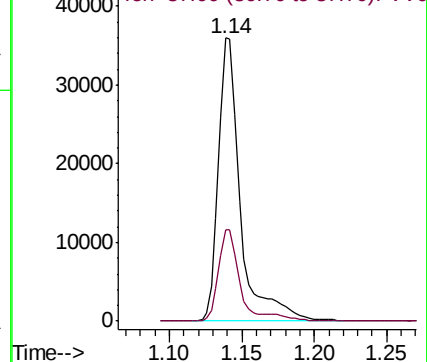
Ion Ratio Lower Upper

85 100

87 31.9 25.2 37.8



Abundance Ion 85.00 (84.70 to 85.70): VV0
Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 4.619 ug/L

RT: 1.25 min Scan# 51

Delta R.T. 0.00 min

Lab File: VV008053.D

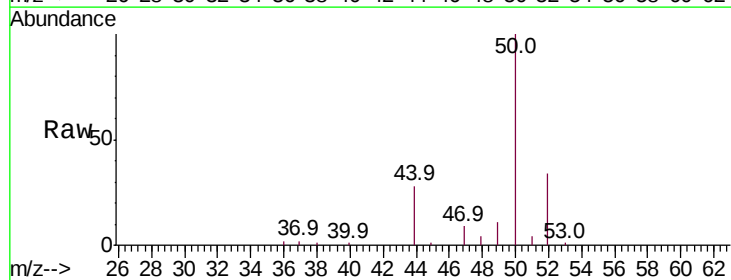
Acq: 03 Oct 2018 18:24

Tgt Ion: 50 Resp: 31369

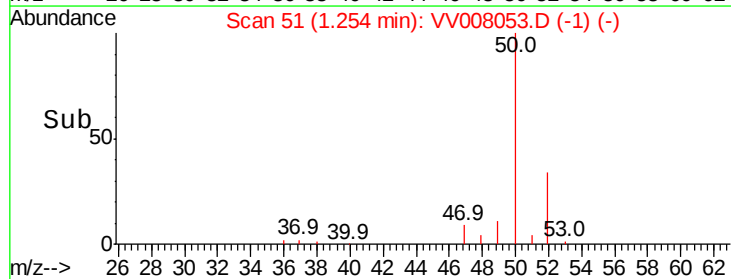
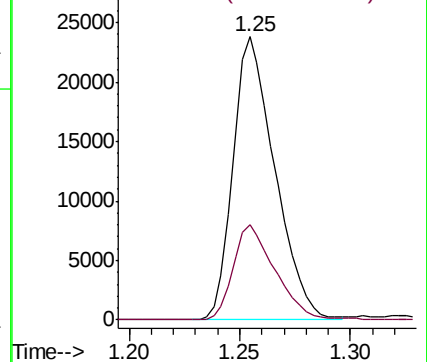
Ion Ratio Lower Upper

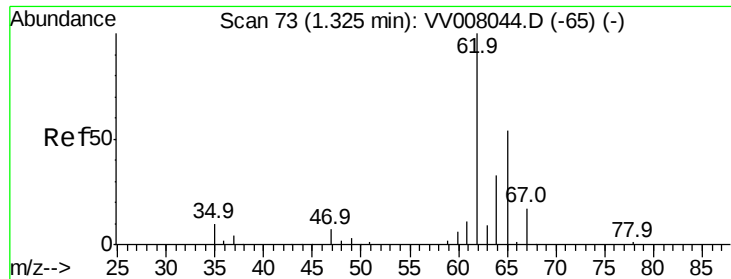
50 100

52 33.5 23.4 43.4



Abundance Ion 50.05 (49.75 to 50.75): VV0
Ion 52.05 (51.75 to 52.75): VV0





#5

Vinyl chloride

Concen: 4.864 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV008053.D

Acq: 03 Oct 2018 18:24

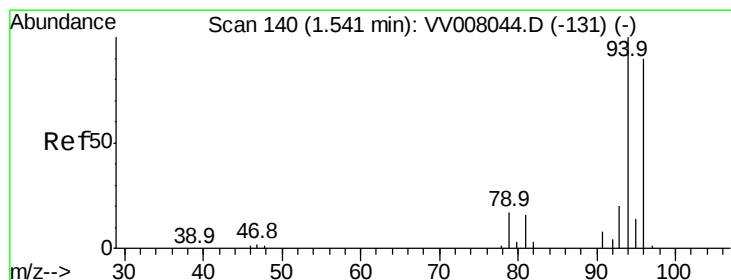
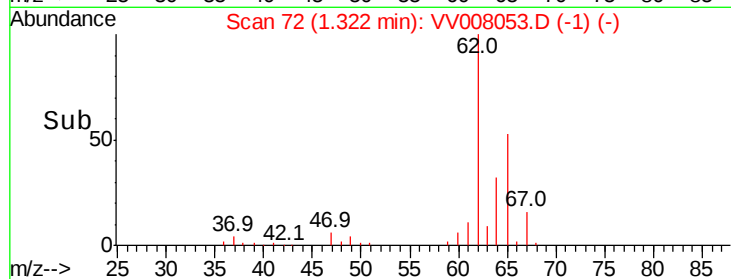
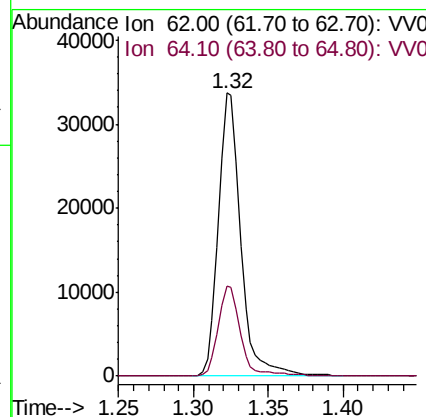
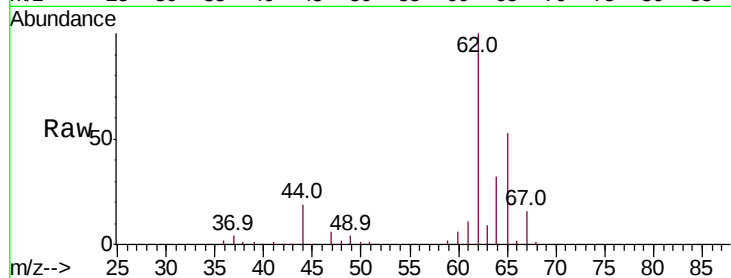
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 62 Resp: 35365

Ion Ratio Lower Upper

62 100

64 32.0 24.0 44.6



#6

Bromomethane

Concen: 4.626 ug/L

RT: 1.54 min Scan# 139

Delta R.T. -0.00 min

Lab File: VV008053.D

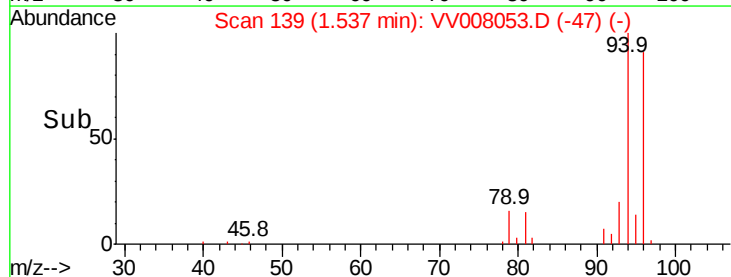
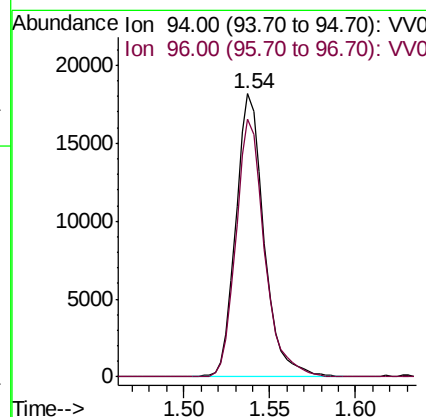
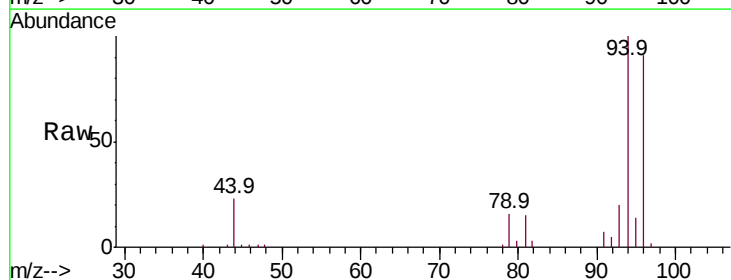
Acq: 03 Oct 2018 18:24

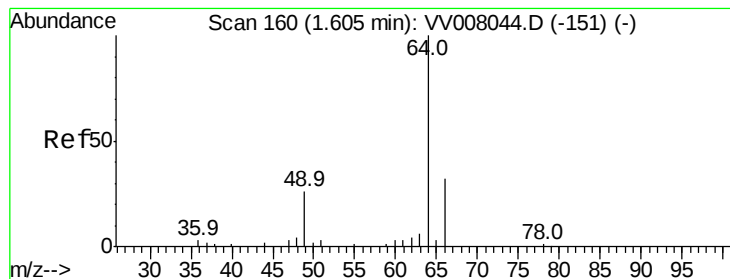
Tgt Ion: 94 Resp: 20747

Ion Ratio Lower Upper

94 100

96 91.1 65.2 121.2





#8

Chloroethane

Concen: 4.915 ug/L

RT: 1.60 min Scan# 159

Delta R.T. -0.00 min

Lab File: VV008053.D

Acq: 03 Oct 2018 18:24

Instrument :

MSVOA_V

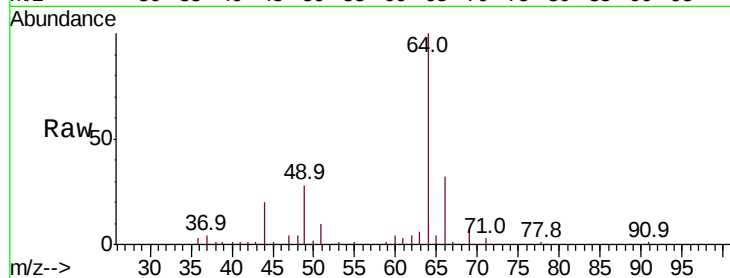
ClientSampleId :

Tot Ion: 64 Resp: 21551

Ion Ratio Lower Upper

64 100

66 31.8 23.1 42.9



Abundance Ion 64.10 (63.80 to 64.80): VV008044.D (-151) (-)

Ion 66.05 (65.75 to 66.75): VV008044.D (-151) (-)

1.60

20000

15000

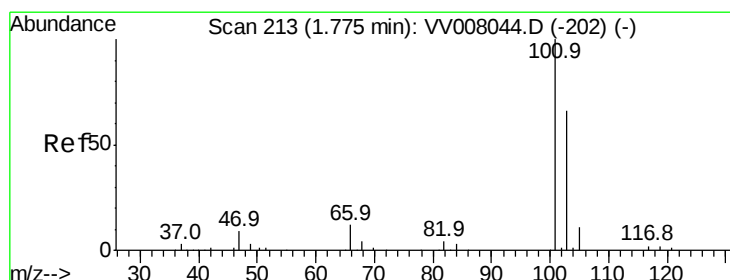
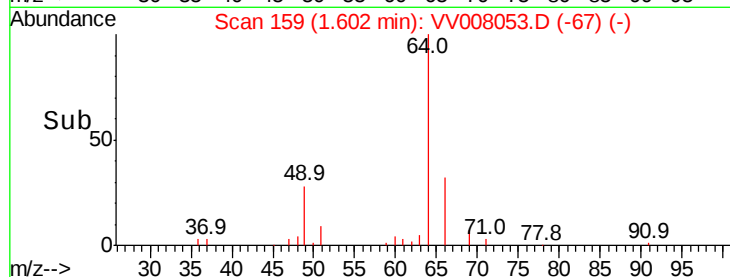
10000

5000

0

Time-->

1.55 1.60 1.65



#9

Trichlorofluoromethane

Concen: 4.894 ug/L

RT: 1.77 min Scan# 212

Delta R.T. -0.00 min

Lab File: VV008053.D

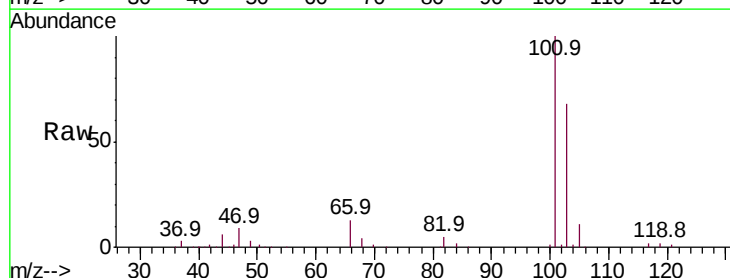
Acq: 03 Oct 2018 18:24

Tgt Ion: 101 Resp: 58086

Ion Ratio Lower Upper

101 100

103 67.0 51.5 77.3



Abundance Ion 101.00 (100.70 to 101.70): VV008044.D (-202) (-)

Ion 103.00 (102.70 to 103.70): VV008044.D (-202) (-)

1.77

50000

40000

30000

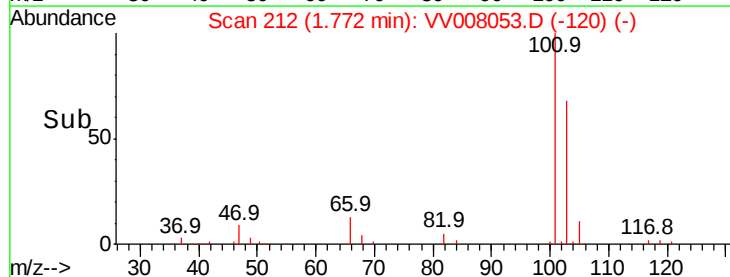
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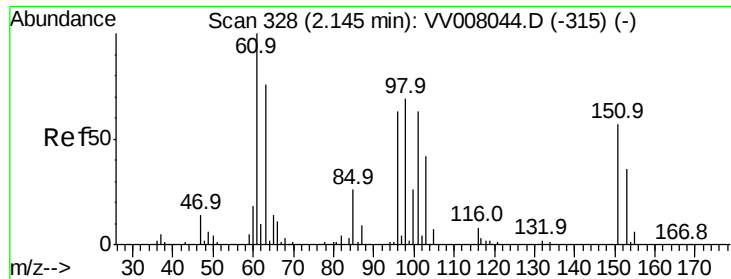
10000

0

Time-->

1.70 1.75 1.80





#10

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

Concen: 5.163 ug/L

RT: 2.14 min Scan# 327

Delta R.T. -0.00 min

Lab File: VV008053.D

Acq: 03 Oct 2018 18:24

Instrument :

MSVOA_V

ClientSampled :

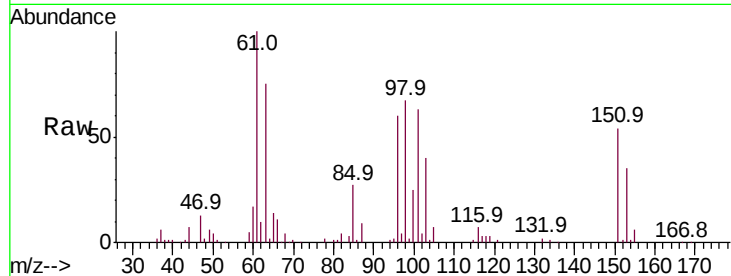
Tot Ion:101 Resp: 34755

Ion Ratio Lower Upper

101 100

85 43.2 34.7 52.1

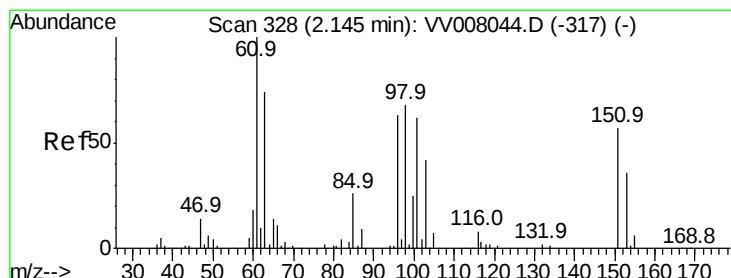
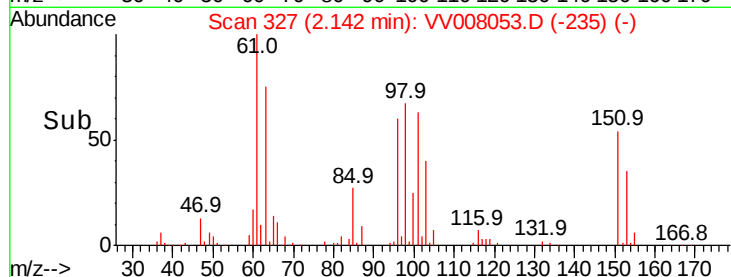
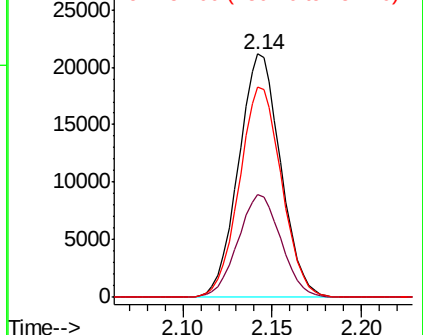
151 87.1 72.2 108.2



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: 4.880 ug/L

RT: 2.15 min Scan# 328

Delta R.T. 0.00 min

Lab File: VV008053.D

Acq: 03 Oct 2018 18:24

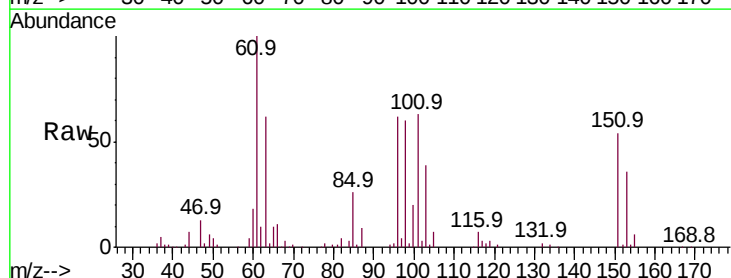
Tgt Ion: 96 Resp: 29356

Ion Ratio Lower Upper

96 100

61 160.1 114.1 211.9

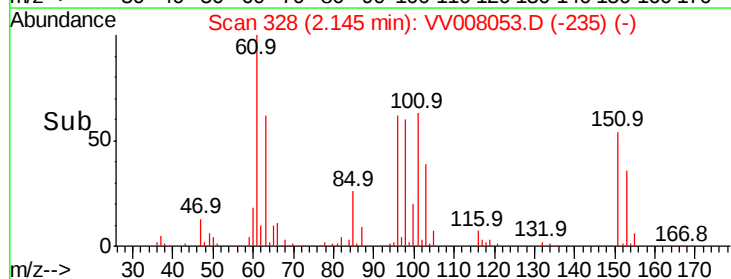
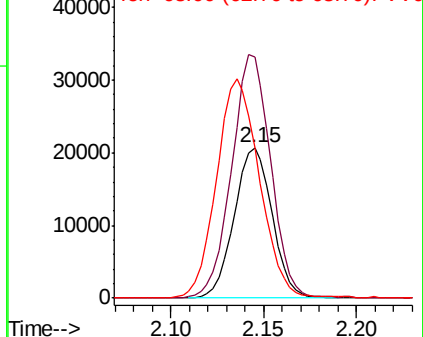
63 99.5 81.5 151.3

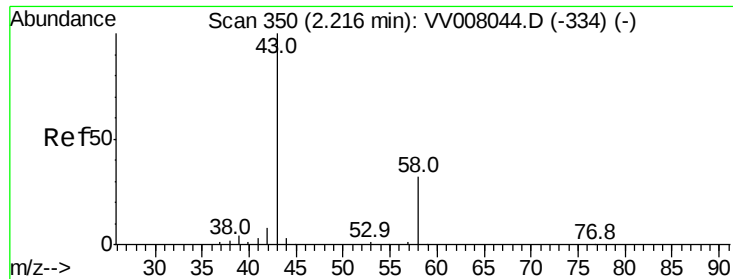


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 48.954 ug/L

RT: 2.21 min Scan# 347

Delta R.T. -0.01 min

Lab File: VV008053.D

Acq: 03 Oct 2018 18:24

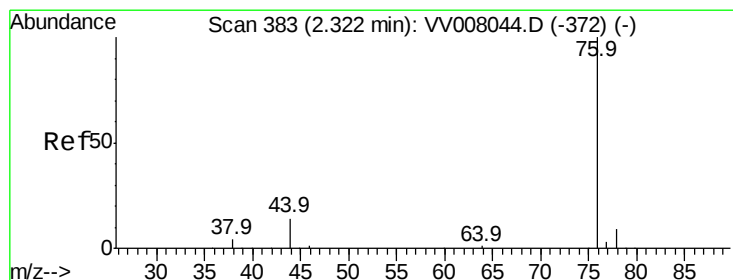
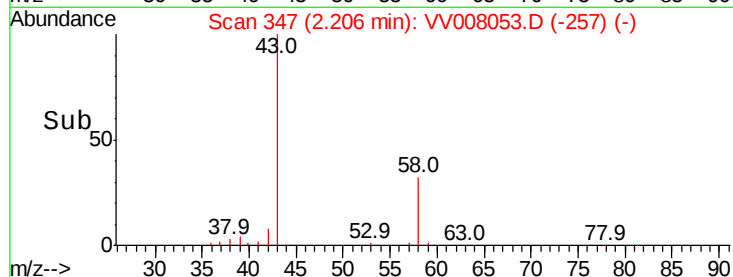
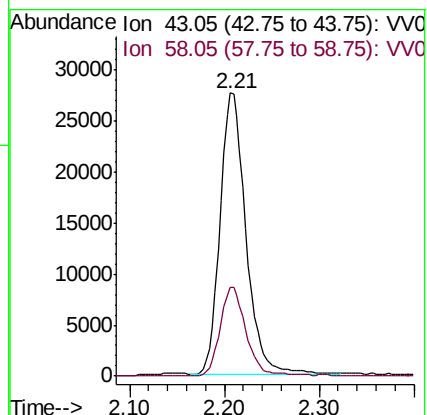
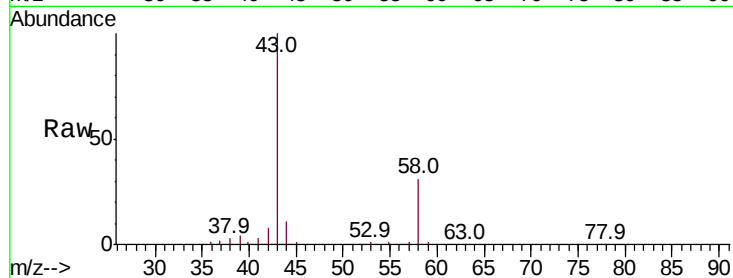
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 52338

Ion Ratio Lower Upper

43 100

58 31.9 0.0 62.0



#14

Carbon disulfide

Concen: 4.293 ug/L

RT: 2.32 min Scan# 383

Delta R.T. 0.00 min

Lab File: VV008053.D

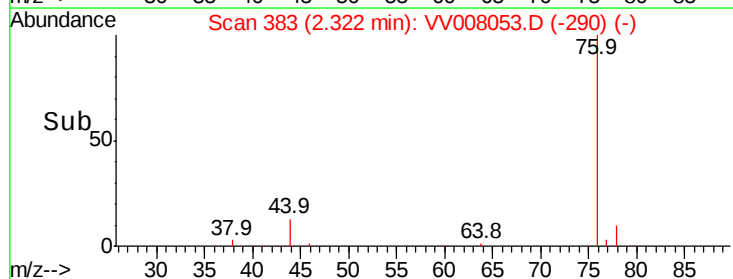
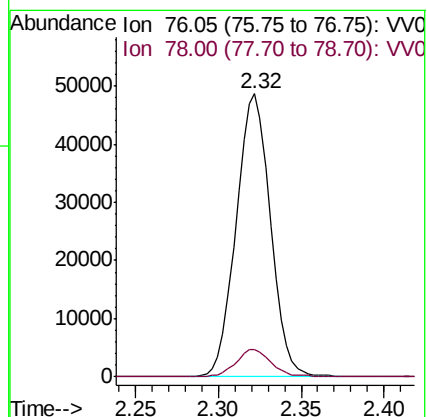
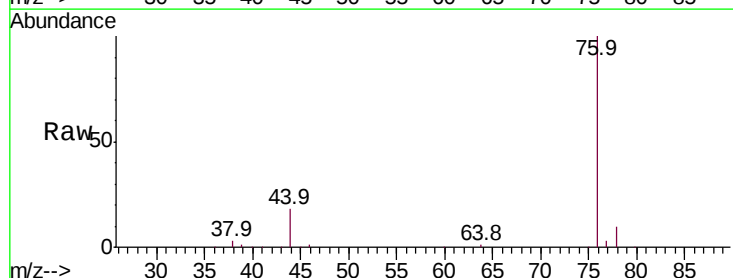
Acq: 03 Oct 2018 18:24

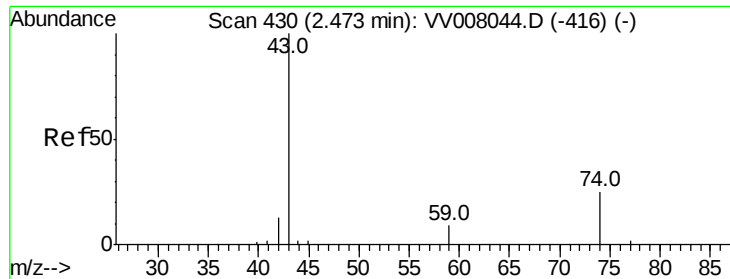
Tgt Ion: 76 Resp: 70001

Ion Ratio Lower Upper

76 100

78 9.7 7.2 10.8

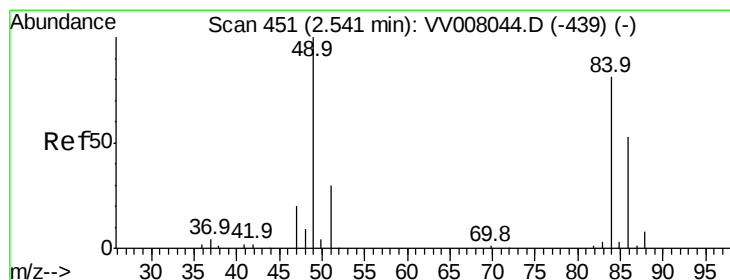
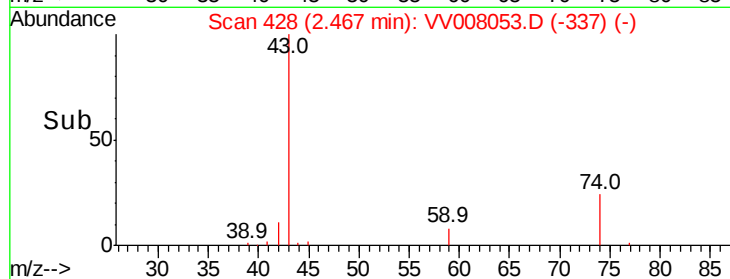
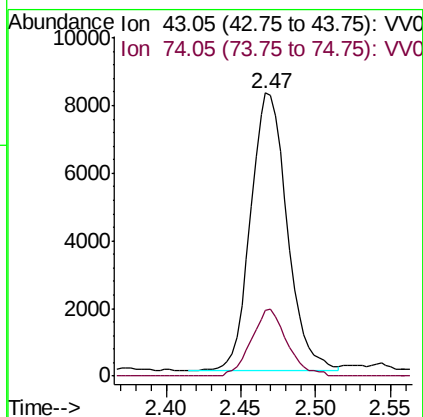
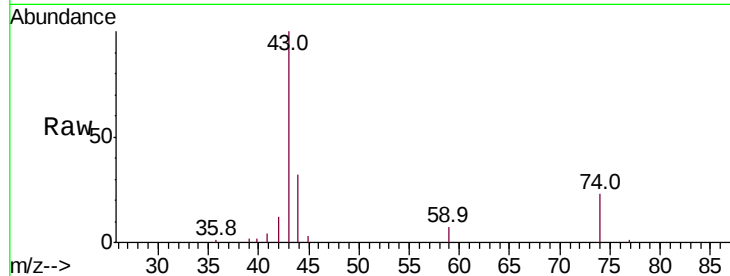




#15
Methyl Acetate
Concen: 5.117 ug/L
RT: 2.47 min Scan# 428
Delta R.T. -0.01 min
Lab File: VV008053.D
Acq: 03 Oct 2018 18:24

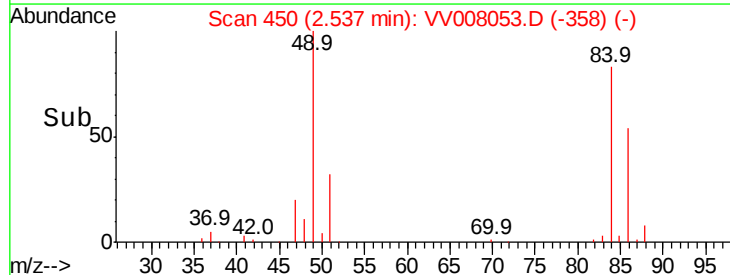
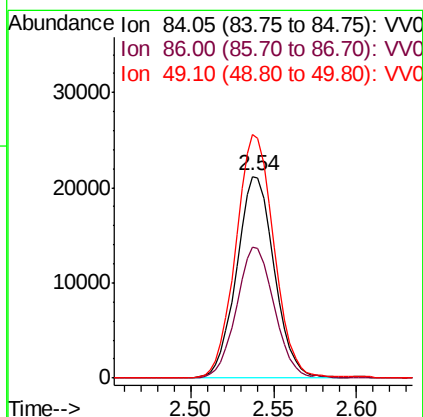
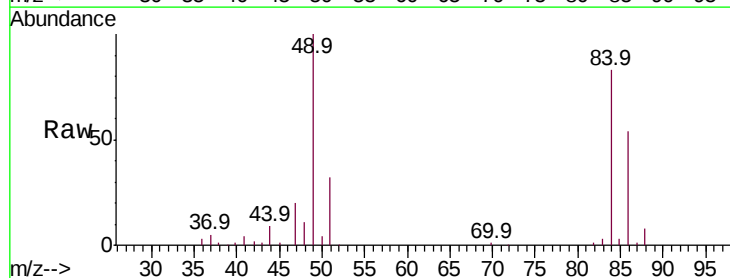
Instrument :
MSVOA_V
ClientSampled :

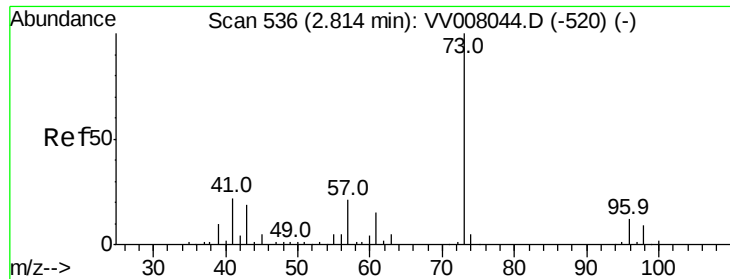
Tot Ion: 43 Resp: 13990
Ion Ratio Lower Upper
43 100
74 23.4 19.5 29.3



#16
Methylene chloride
Concen: 5.009 ug/L
RT: 2.54 min Scan# 450
Delta R.T. -0.00 min
Lab File: VV008053.D
Acq: 03 Oct 2018 18:24

Tgt Ion: 84 Resp: 33478
Ion Ratio Lower Upper
84 100
86 65.2 47.3 87.8
49 120.8 90.0 167.2

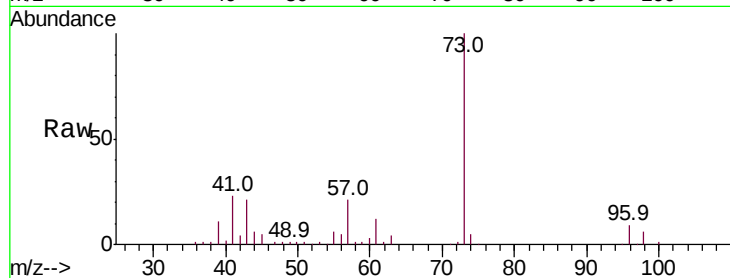




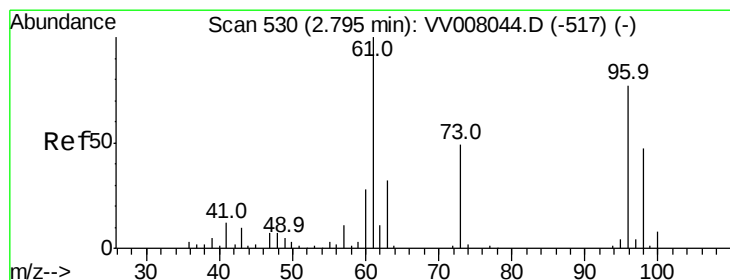
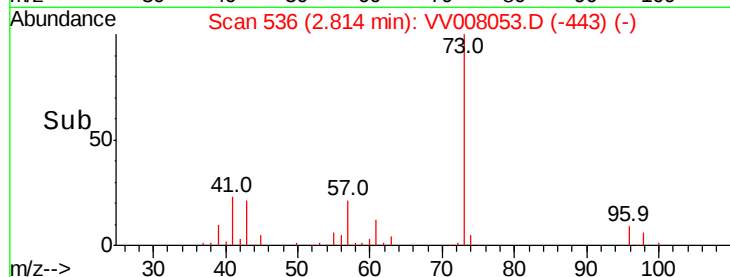
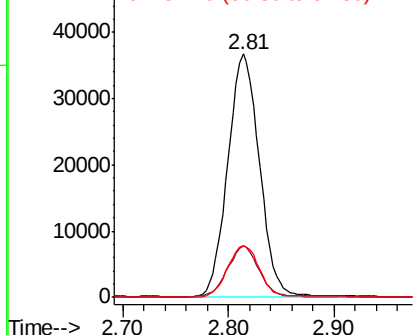
#17
Methvl tert-butvl Ether
Concen: 5.166 ug/L
RT: 2.81 min Scan# 536
Delta R.T. 0.00 min
Lab File: VV008053.D
Acq: 03 Oct 2018 18:24

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 73 Resp: 76777
Ion Ratio Lower Upper
73 100
43 21.4 16.8 25.2
57 21.3 17.6 26.4

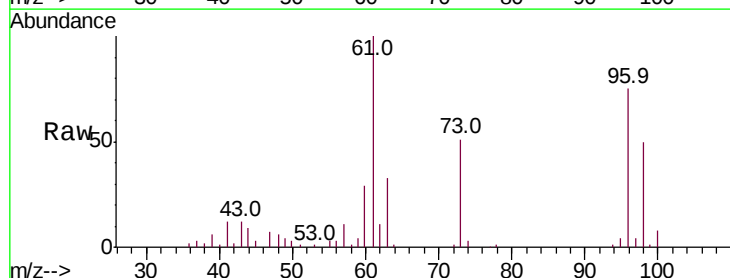


Abundance Ion 73.10 (72.80 to 73.80): VV0
Ion 43.05 (42.75 to 43.75): VV0
Ion 57.10 (56.80 to 57.80): VV0

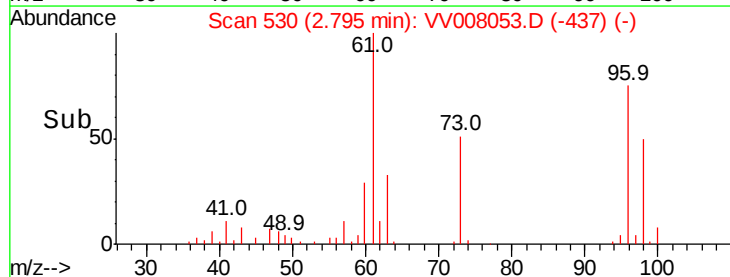
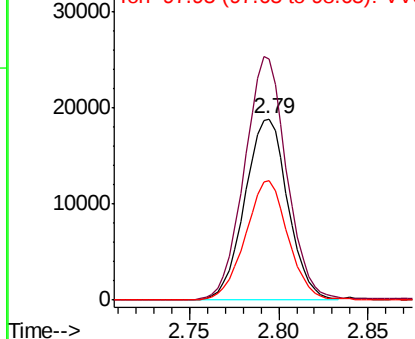


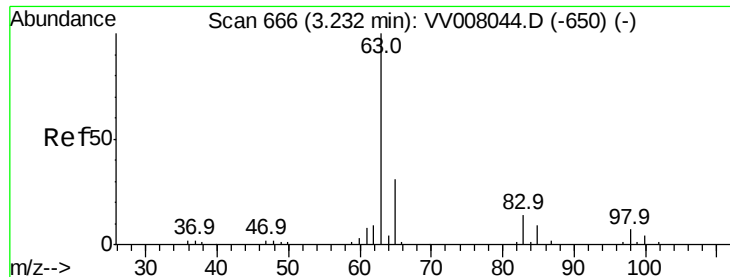
#18
trans-1,2-Dichloroethene
Concen: 4.791 ug/L
RT: 2.79 min Scan# 530
Delta R.T. 0.00 min
Lab File: VV008053.D
Acq: 03 Oct 2018 18:24

Tgt Ion: 96 Resp: 31769
Ion Ratio Lower Upper
96 100
61 133.2 94.2 175.0
98 66.1 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: 5.189 ug/L

RT: 3.23 min Scan# 666

Delta R.T. 0.00 min

Lab File: VV008053.D

Acq: 03 Oct 2018 18:24

Instrument :
MSVOA_V
ClientSampleId :

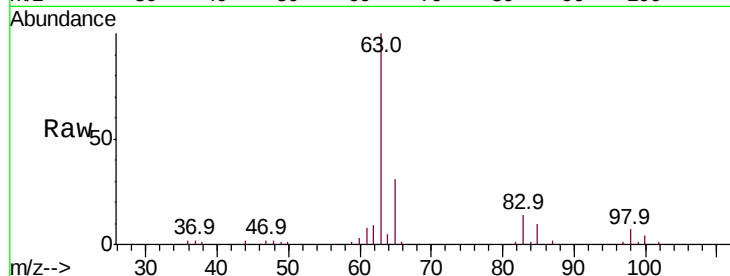
Tot Ion: 63 Resp: 58708

Ion Ratio Lower Upper

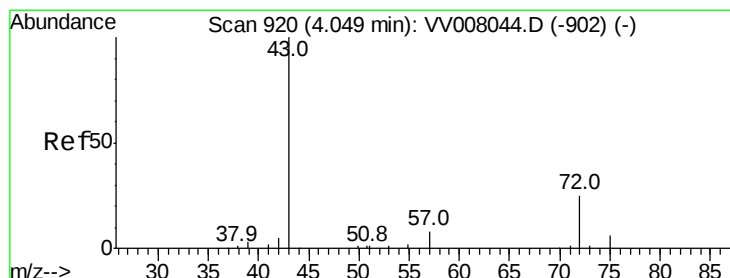
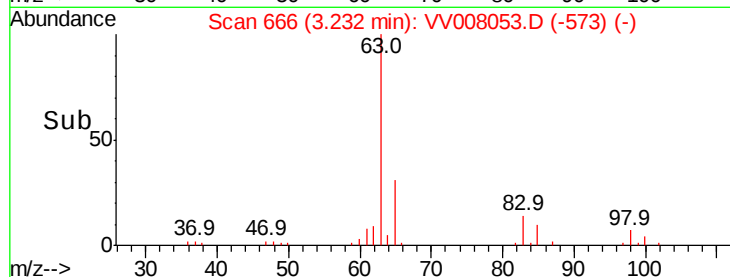
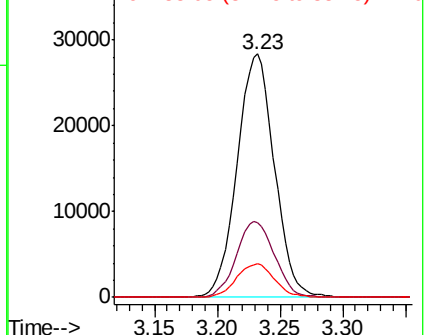
63 100

65 30.6 22.3 41.5

83 13.7 9.8 18.2



Abundance Ion 63.10 (62.80 to 63.80): VV0
Ion 65.10 (64.80 to 65.80): VV0
Ion 83.05 (82.75 to 83.75): VV0



#21

2-Butanone

Concen: 52.412 ug/L

RT: 4.05 min Scan# 919

Delta R.T. -0.00 min

Lab File: VV008053.D

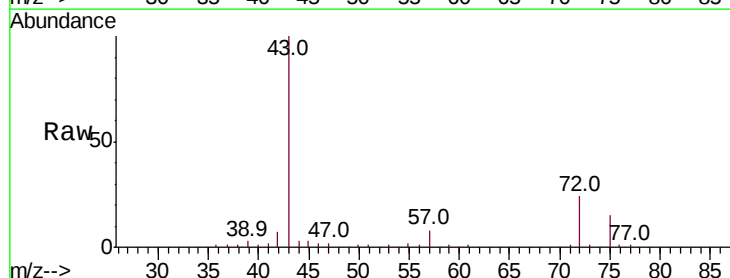
Acq: 03 Oct 2018 18:24

Tgt Ion: 43 Resp: 89276

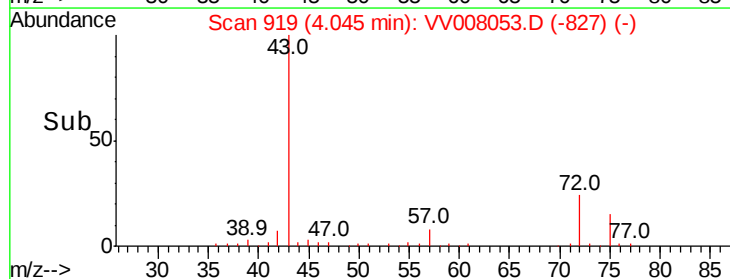
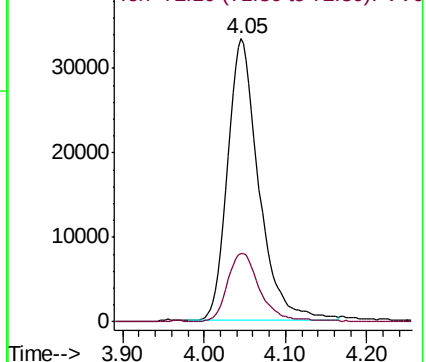
Ion Ratio Lower Upper

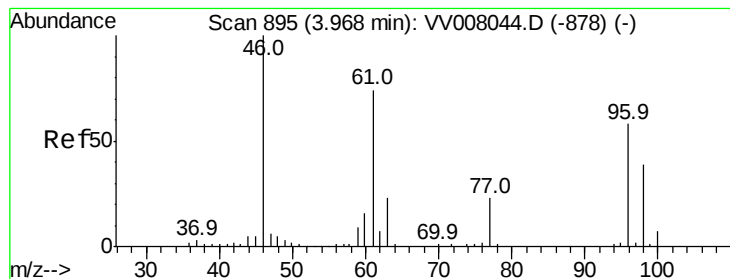
43 100

72 25.1 12.5 37.5



Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 72.10 (71.80 to 72.80): VV0



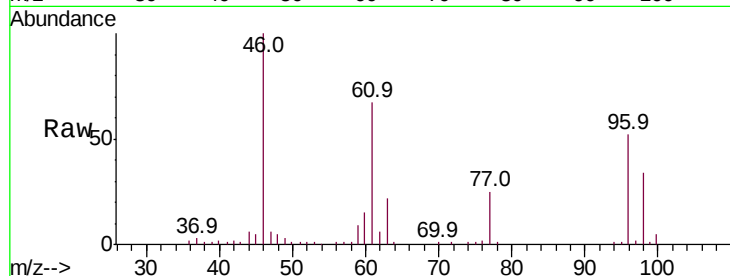


#22

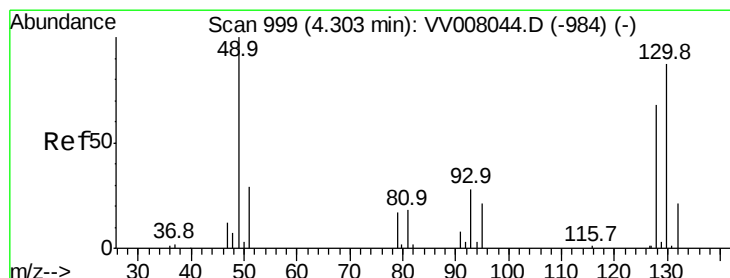
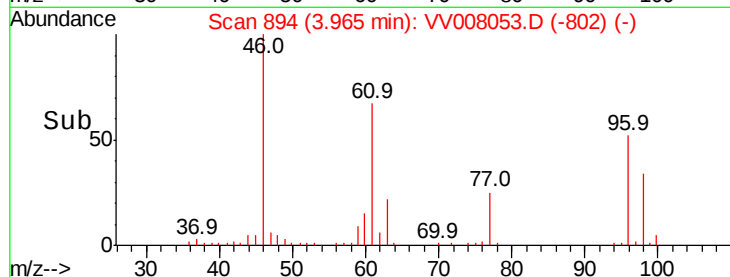
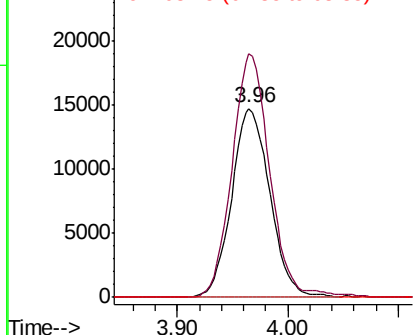
cis-1,2-Dichloroethene
Concen: 5.259 ug/L
RT: 3.96 min Scan# 894
Delta R.T. -0.00 min
Lab File: VV008053.D
Acq: 03 Oct 2018 18:24

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 96 Resp: 35307
Ion Ratio Lower Upper
96 100
61 128.9 89.5 166.1
68 0.0 0.0 0.0



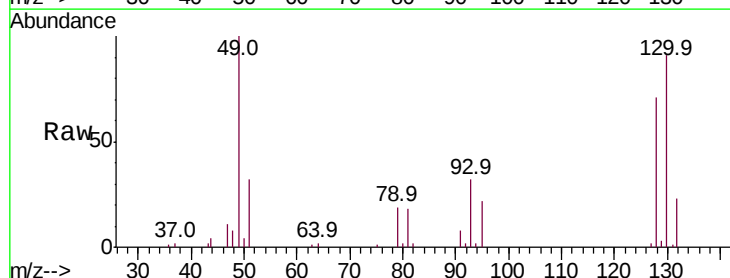
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 68.15 (67.85 to 68.85): VV0



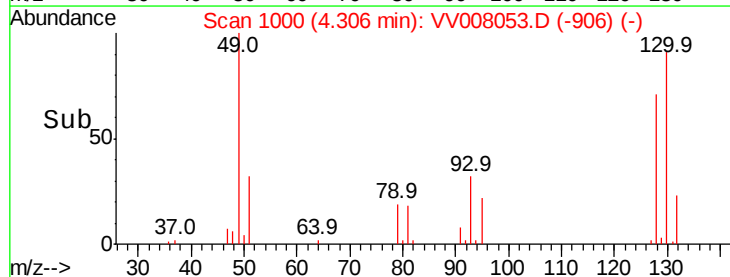
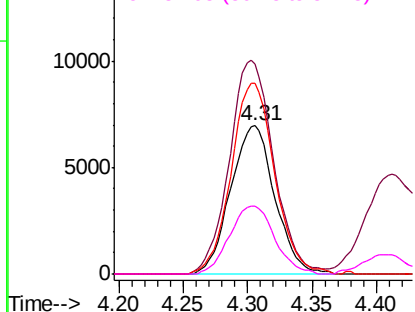
#23

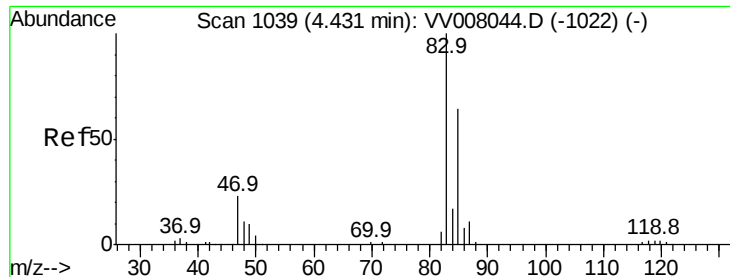
Bromochloromethane
Concen: 5.672 ug/L
RT: 4.31 min Scan# 1000
Delta R.T. 0.00 min
Lab File: VV008053.D
Acq: 03 Oct 2018 18:24

Tgt Ion:128 Resp: 16561
Ion Ratio Lower Upper
128 100
49 141.7 112.8 209.4
130 128.5 92.3 171.5
51 45.5 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

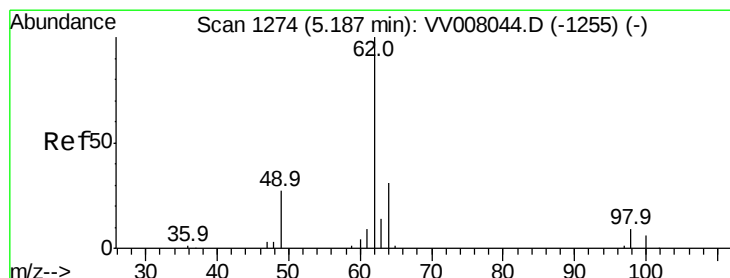
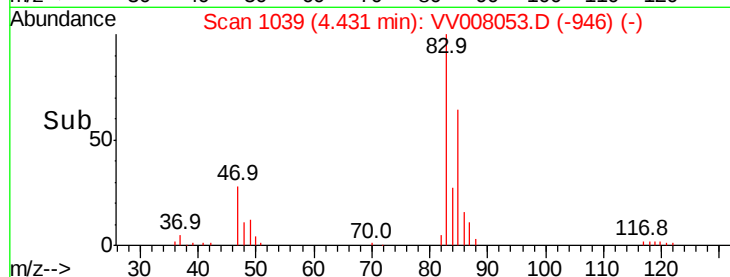
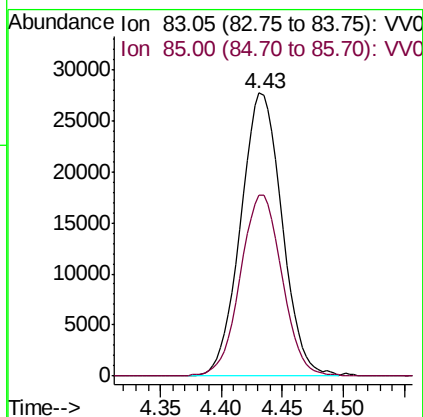
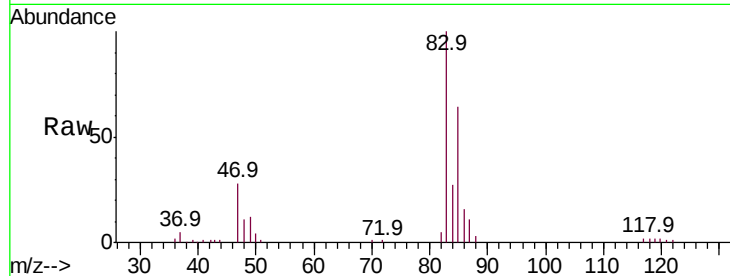




#25
Chloroform
Concen: 5.313 ug/L
RT: 4.43 min Scan# 1039
Delta R.T. 0.00 min
Lab File: VV008053.D
Acq: 03 Oct 2018 18:24

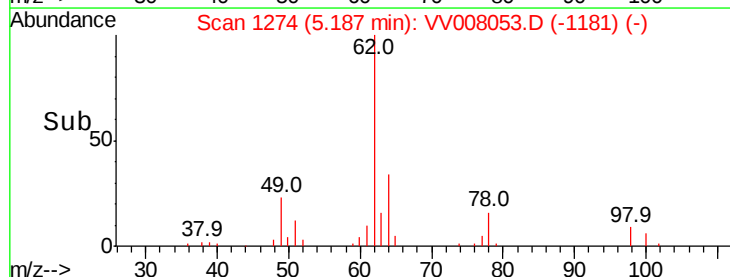
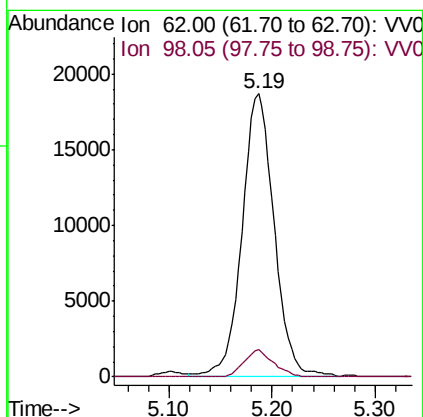
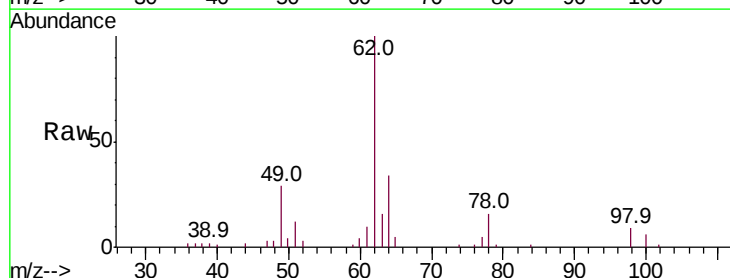
Instrument :
MSVOA_V
ClientSampled :

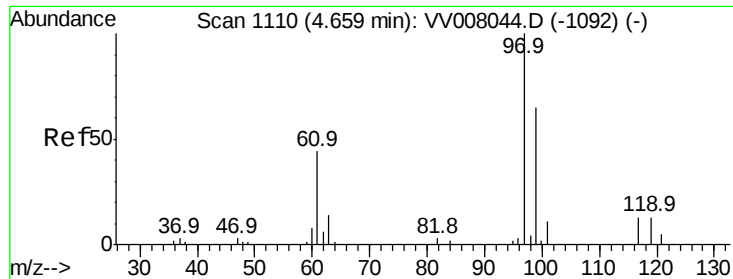
Tot Ion: 83 Resp: 65012
Ion Ratio Lower Upper
83 100
85 64.0 44.8 83.2



#27
1,2-Dichloroethane
Concen: 5.144 ug/L
RT: 5.19 min Scan# 1274
Delta R.T. 0.00 min
Lab File: VV008053.D
Acq: 03 Oct 2018 18:24

Tgt Ion: 62 Resp: 40506
Ion Ratio Lower Upper
62 100
98 9.5 6.6 10.0

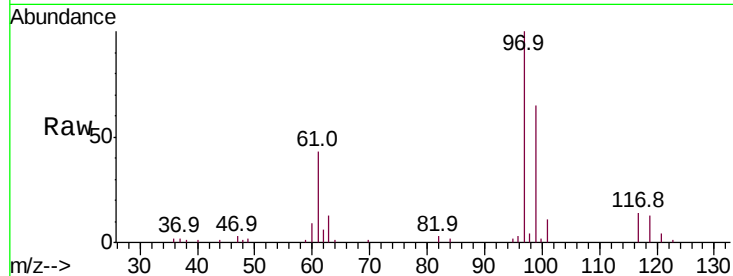




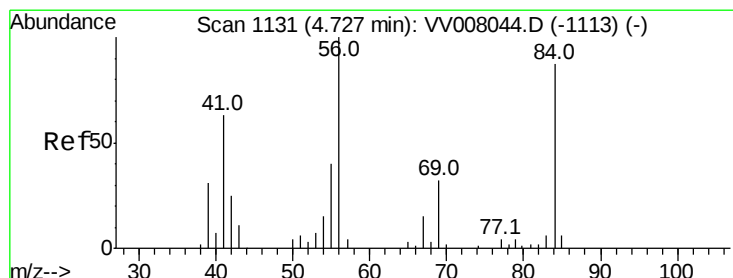
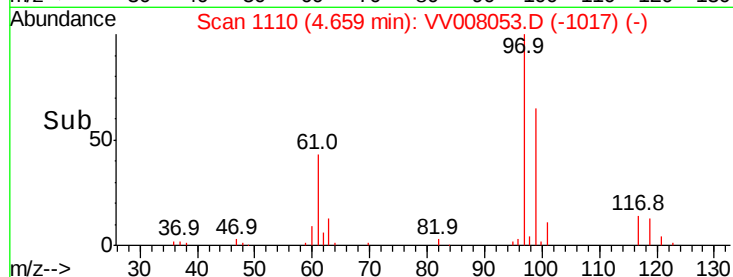
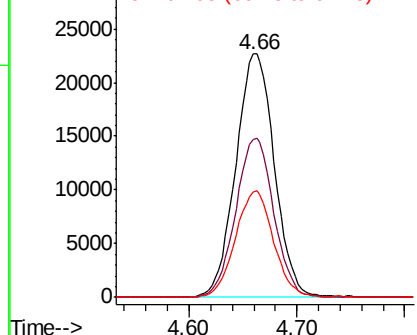
#29
 1,1,1-Trichloroethane
 Concen: 5.212 ug/L
 RT: 4.66 min Scan# 1110
 Delta R.T. 0.00 min
 Lab File: VV008053.D
 Acq: 03 Oct 2018 18:24

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 97 Resp: 56428
 Ion Ratio Lower Upper
 97 100
 99 64.3 51.2 76.8
 61 43.0 34.6 52.0

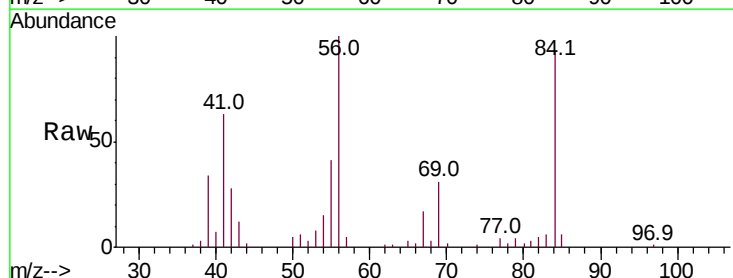


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 61.05 (60.75 to 61.75): VV0

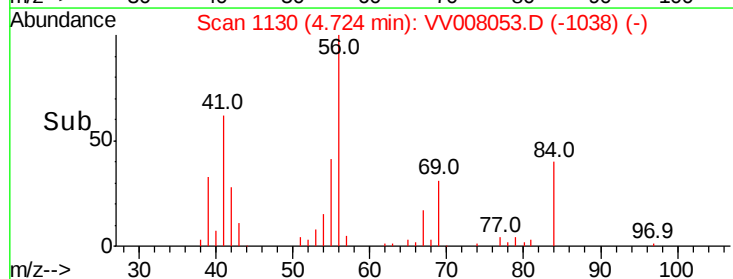
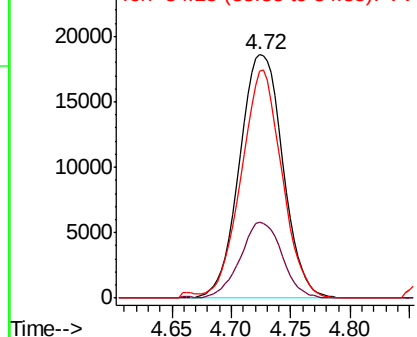


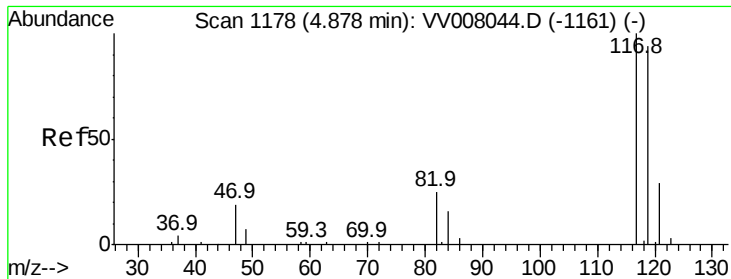
#30
 Cyclohexane
 Concen: 4.618 ug/L
 RT: 4.72 min Scan# 1130
 Delta R.T. -0.00 min
 Lab File: VV008053.D
 Acq: 03 Oct 2018 18:24

Tgt Ion: 56 Resp: 47000
 Ion Ratio Lower Upper
 56 100
 69 30.0 24.2 36.4
 84 88.3 69.8 104.8



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



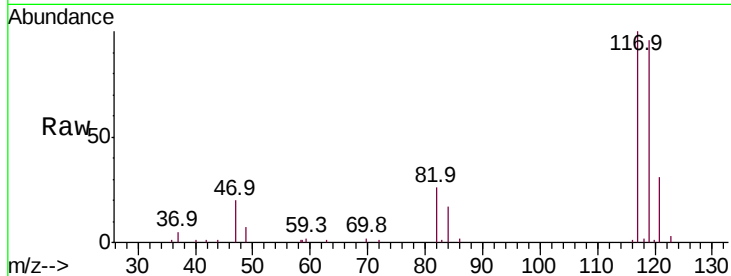


#31

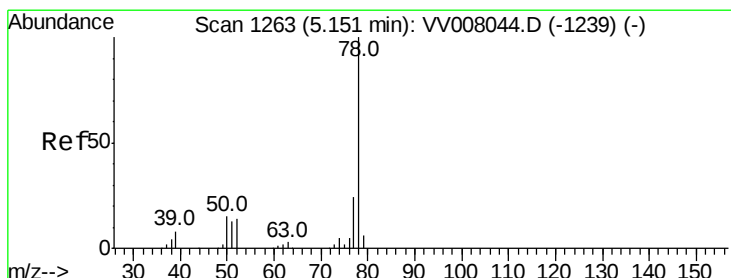
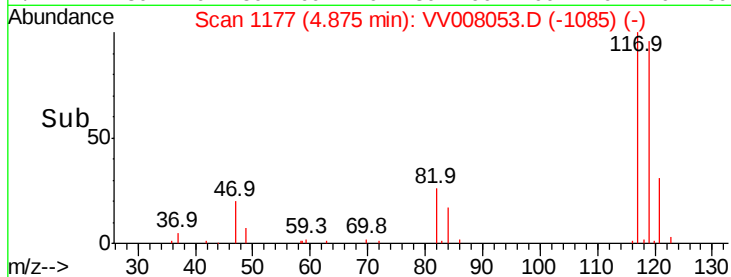
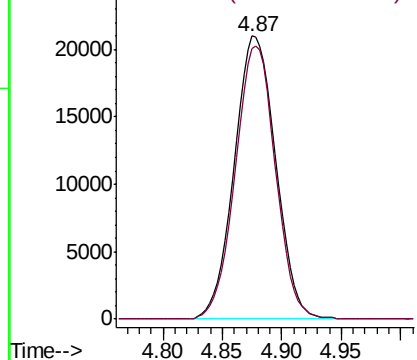
Carbon tetrachloride
Concen: 5.309 ug/L
RT: 4.87 min Scan# 1177
Delta R.T. -0.00 min
Lab File: VV008053.D
Acq: 03 Oct 2018 18:24

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:117 Resp: 50675
Ion Ratio Lower Upper
117 100
119 93.5 77.8 116.8



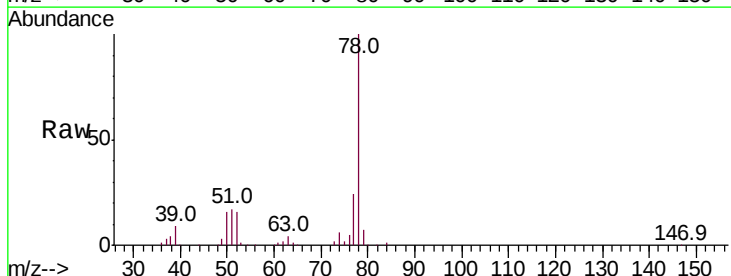
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 118.90 (118.60 to 119.60): V



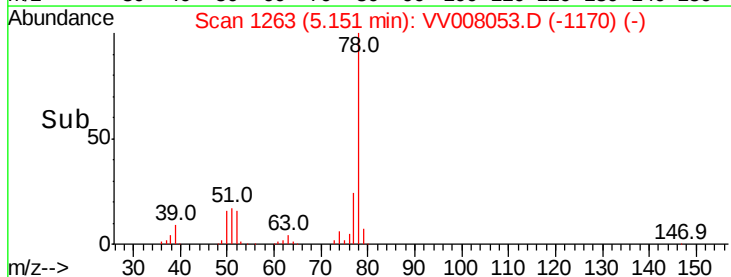
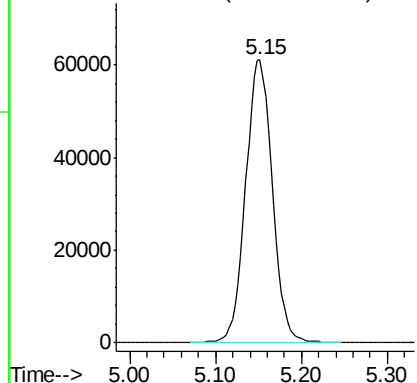
#33

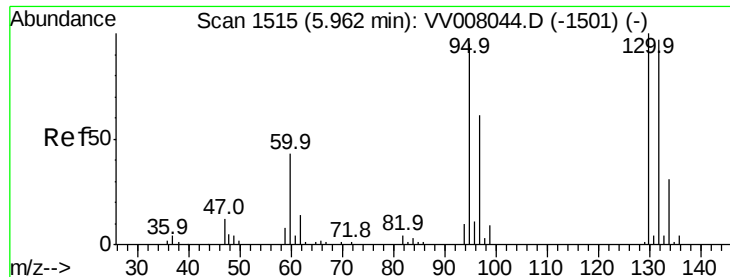
Benzene
Concen: 5.140 ug/L
RT: 5.15 min Scan# 1263
Delta R.T. 0.00 min
Lab File: VV008053.D
Acq: 03 Oct 2018 18:24

Tgt Ion: 78 Resp: 132527



Abundance Ion 78.10 (77.80 to 78.80): VV0

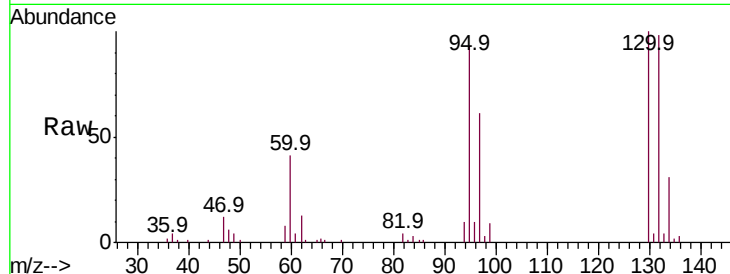




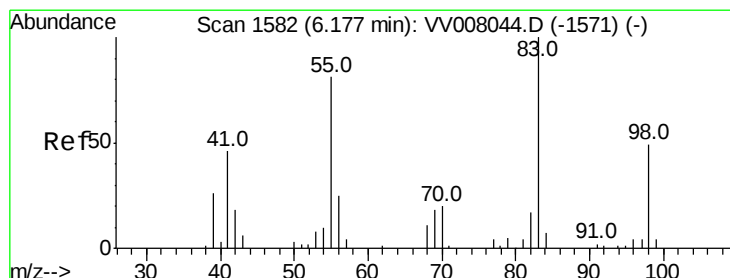
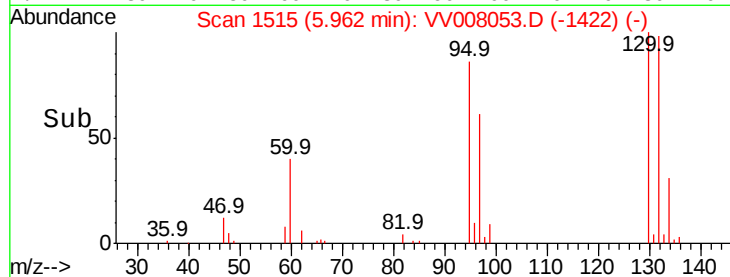
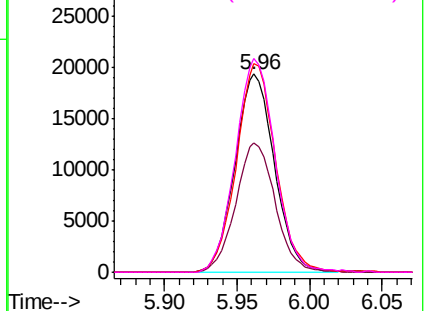
#34
 Trichloroethene
 Concen: 4.975 ug/L
 RT: 5.96 min Scan# 1515
 Delta R.T. 0.00 min
 Lab File: VV008053.D
 Acq: 03 Oct 2018 18:24

Instrument :
 MSVOA_V
 ClientSampled :

Tot Ion: 95 Resp: 36729
 Ion Ratio Lower Upper
 95 100
 97 65.5 43.6 81.0
 132 105.6 69.9 129.9
 130 107.8 71.7 133.3

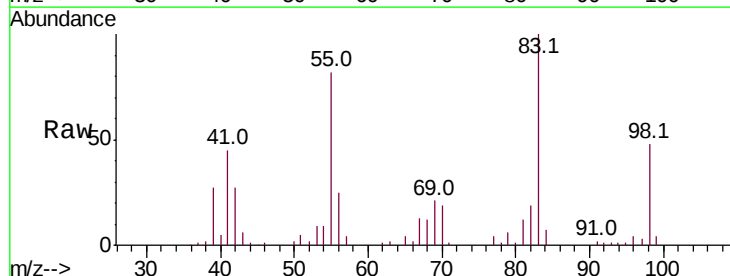


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 96.95 (96.65 to 97.65): VV0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

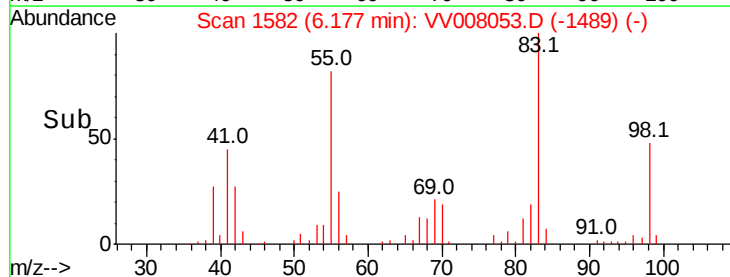
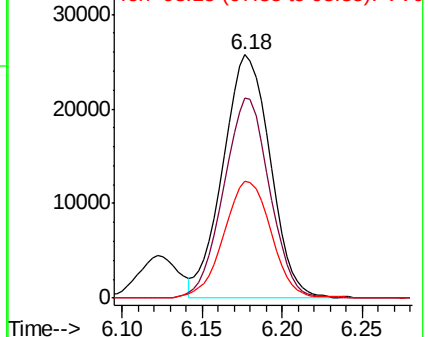


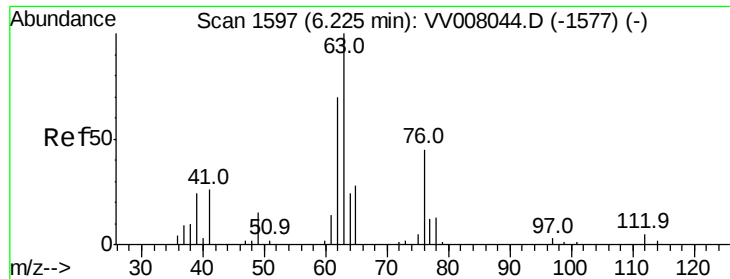
#35
 Methylcyclohexane
 Concen: 4.714 ug/L
 RT: 6.18 min Scan# 1582
 Delta R.T. 0.00 min
 Lab File: VV008053.D
 Acq: 03 Oct 2018 18:24

Tgt Ion: 83 Resp: 52186
 Ion Ratio Lower Upper
 83 100
 55 79.6 62.2 93.2
 98 47.6 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: 5.335 ug/L

RT: 6.23 min Scan# 1597

Delta R.T. 0.00 min

Lab File: VV008053.D

Acq: 03 Oct 2018 18:24

Instrument :

MSVOA_V

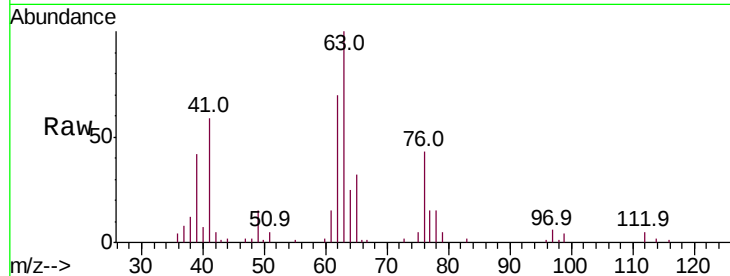
ClientSampleId :

Tot Ion: 63 Resp: 35141

Ion Ratio Lower Upper

63 100

112 4.7 3.4 5.0



Abundance Ion 63.10 (62.80 to 63.80): VV0

Ion 112.10 (111.80 to 112.80): V

6.23

20000

15000

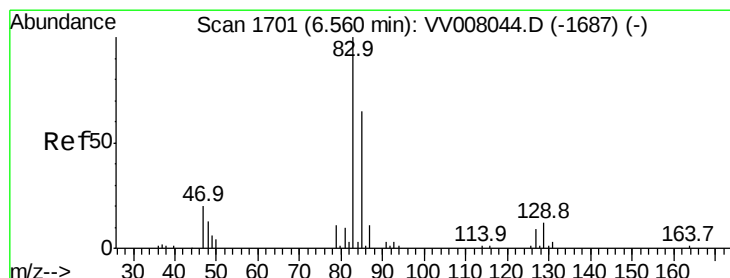
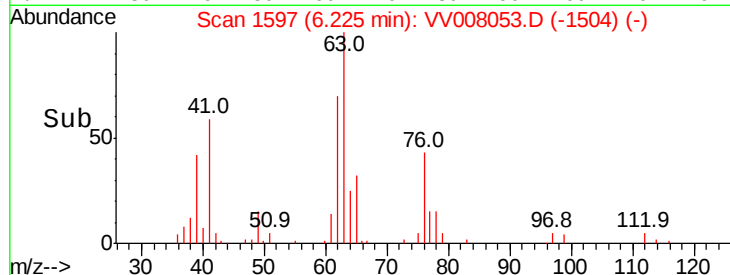
10000

5000

0

6.15 6.20 6.25 6.30

Time-->



#38

Bromodichloromethane

Concen: 5.391 ug/L

RT: 6.56 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VV008053.D

Acq: 03 Oct 2018 18:24

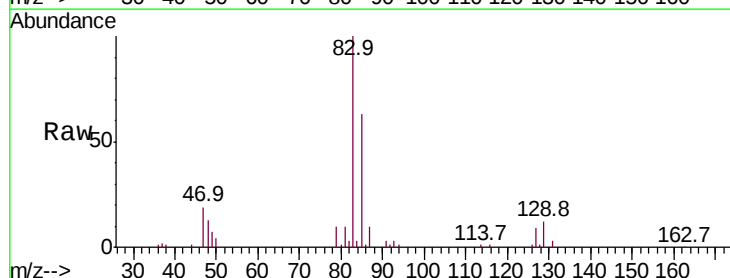
Tgt Ion: 83 Resp: 42455

Ion Ratio Lower Upper

83 100

85 62.8 44.7 82.9

127 9.1 7.8 11.6



Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 126.90 (126.60 to 127.60): V

6.56

30000

25000

20000

15000

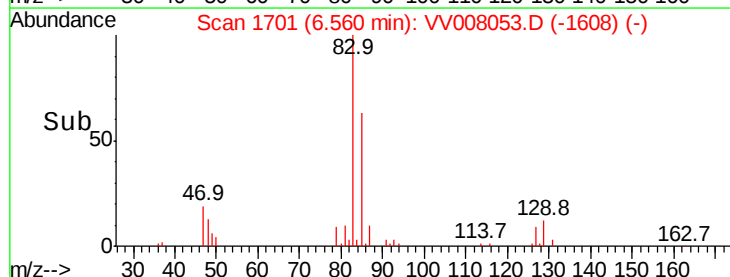
10000

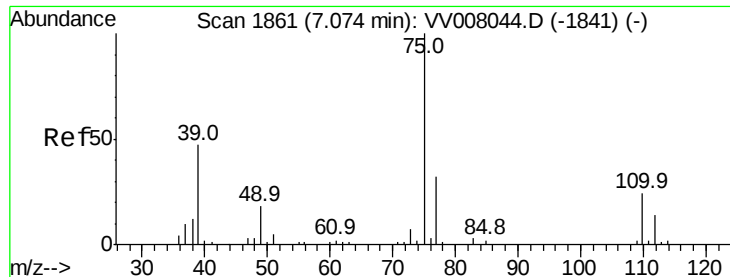
5000

0

6.50 6.55 6.60 6.65

Time-->

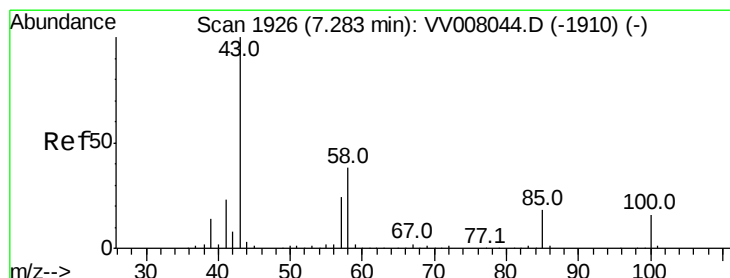
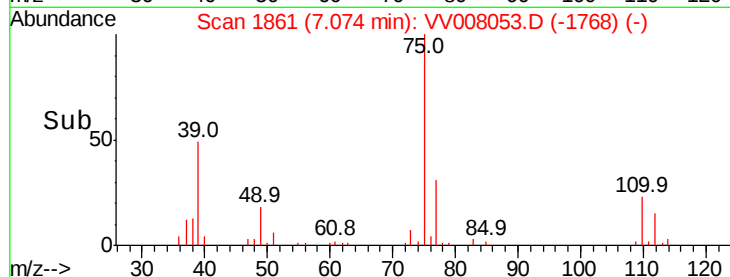
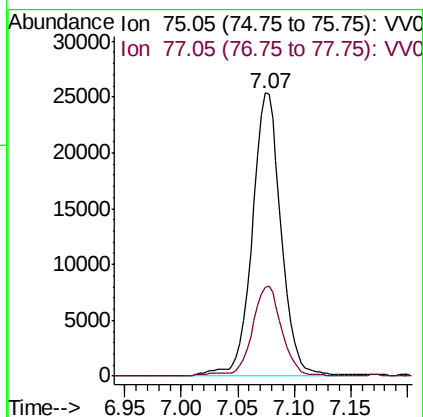
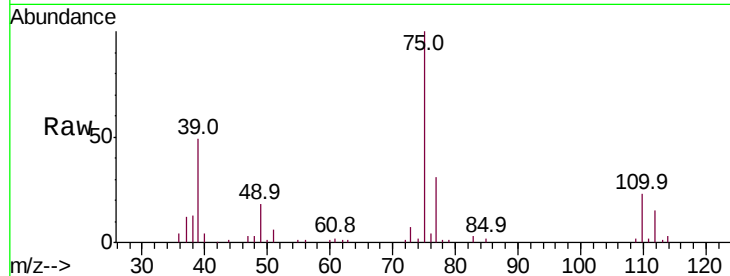




#39
 cis-1,3-Dichloropropene
 Concen: 5.109 ug/L
 RT: 7.07 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VV008053.D
 Acq: 03 Oct 2018 18:24

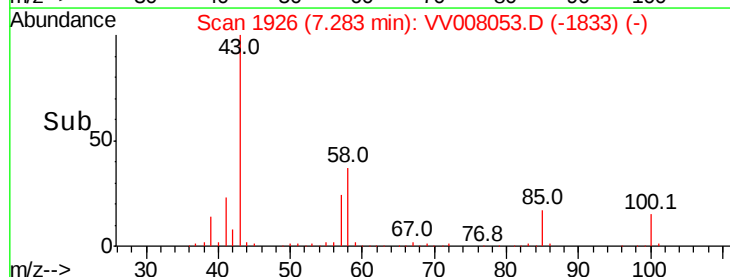
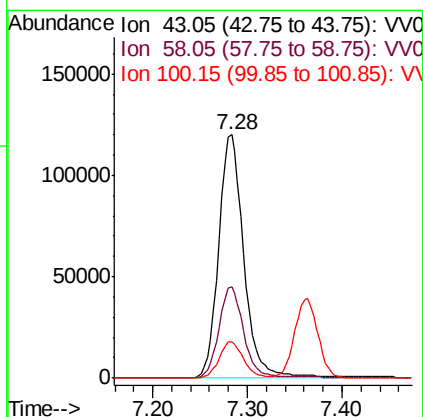
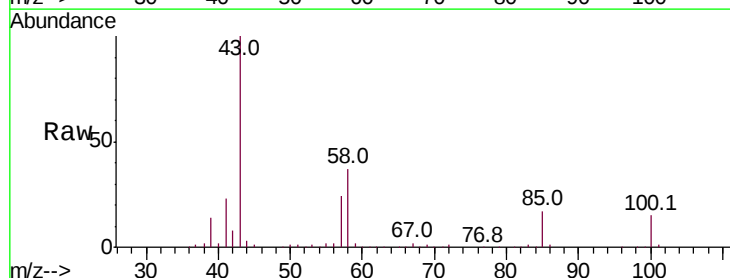
Instrument :
 MSVOA_V
 ClientSampleId :

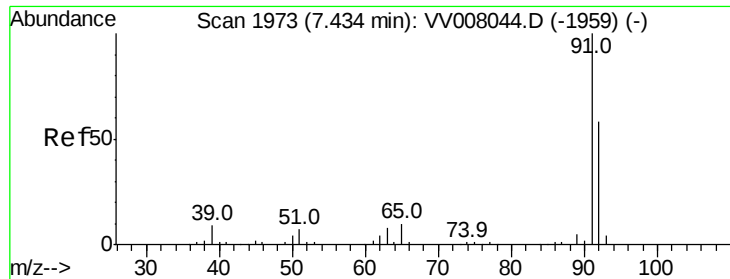
Tot Ion: 75 Resp: 45016
 Ion Ratio Lower Upper
 75 100
 77 31.4 22.9 42.5



#40
 4-Methyl-2-pentanone
 Concen: 53.702 ug/L
 RT: 7.28 min Scan# 1926
 Delta R.T. 0.00 min
 Lab File: VV008053.D
 Acq: 03 Oct 2018 18:24

Tgt Ion: 43 Resp: 222012
 Ion Ratio Lower Upper
 43 100
 58 36.9 29.4 44.0
 100 14.4 11.5 17.3





#42

Toluene

Concen: 5.241 ug/L

RT: 7.43 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VV008053.D

Acq: 03 Oct 2018 18:24

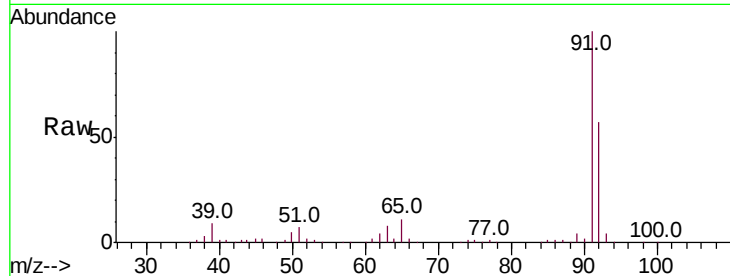
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 147165

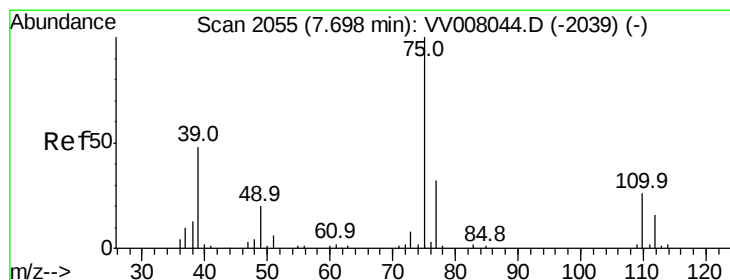
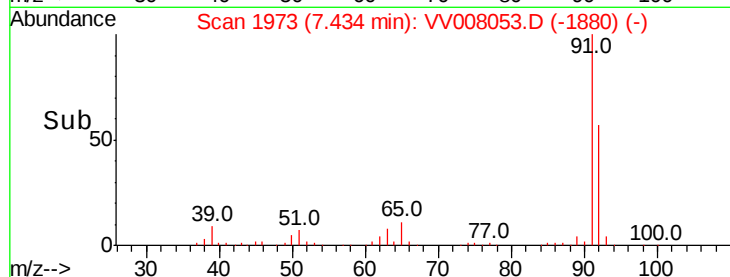
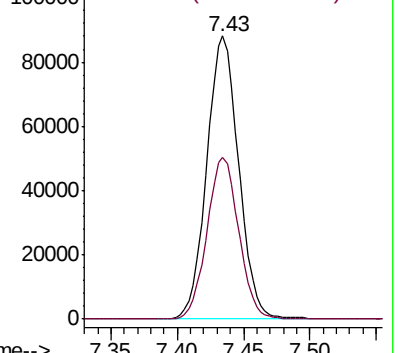
Ion Ratio Lower Upper

91 100

92 57.4 40.8 75.8



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



#44

trans-1,3-Dichloropropene

Concen: 5.302 ug/L

RT: 7.70 min Scan# 2055

Delta R.T. 0.00 min

Lab File: VV008053.D

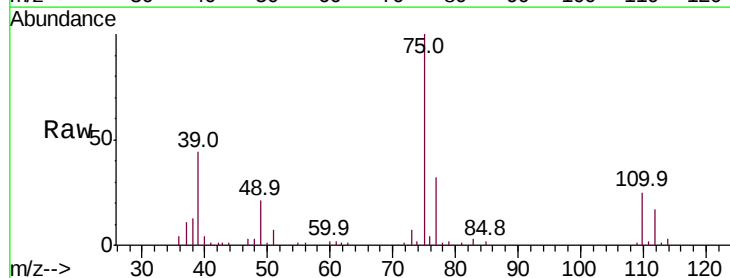
Acq: 03 Oct 2018 18:24

Tgt Ion: 75 Resp: 38831

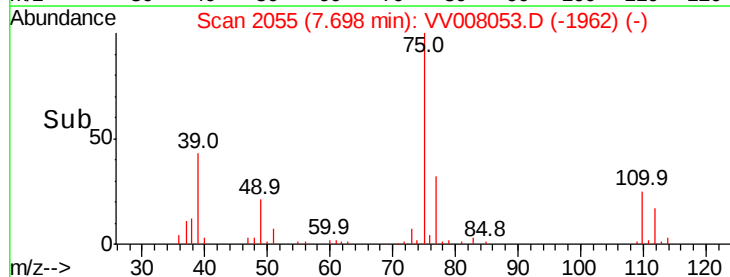
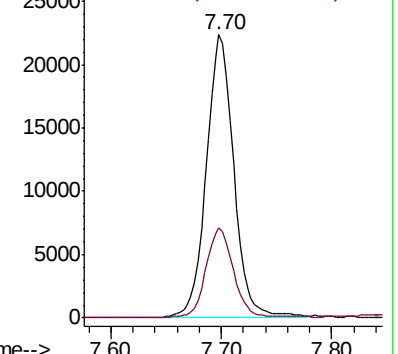
Ion Ratio Lower Upper

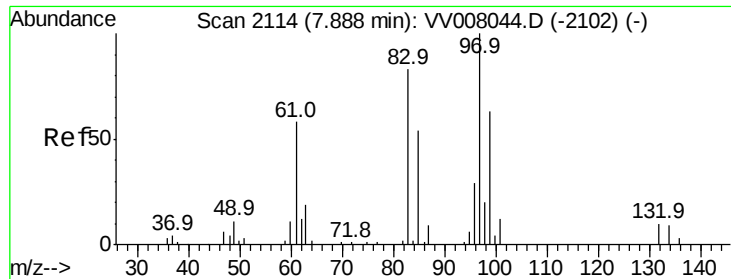
75 100

77 31.9 22.3 41.5



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





#45

1,1,2-Trichloroethane

Concen: 5.163 ug/L

RT: 7.89 min Scan# 2114

Delta R.T. 0.00 min

Lab File: VV008053.D

Acq: 03 Oct 2018 18:24

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 97 Resp: 24543

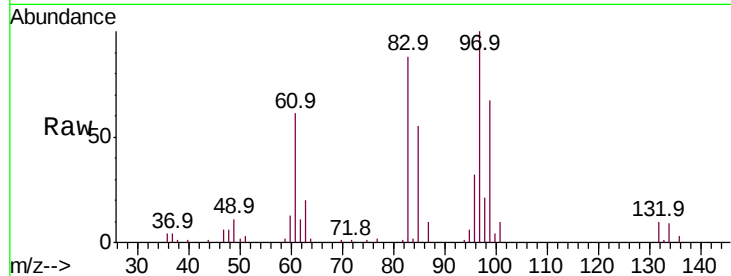
Ion Ratio Lower Upper

97 100

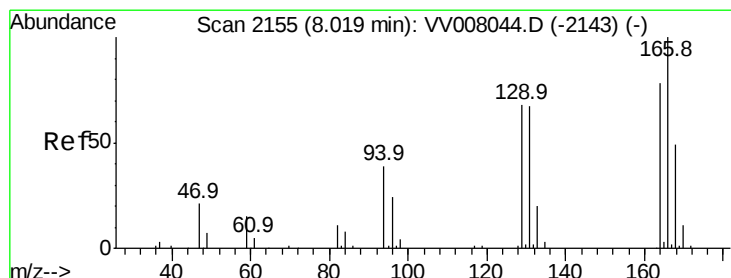
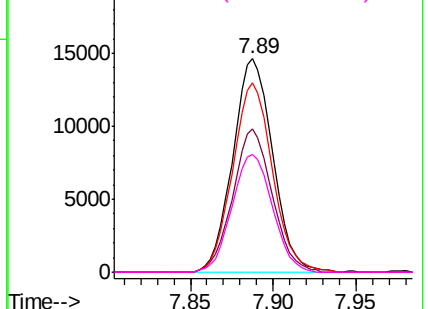
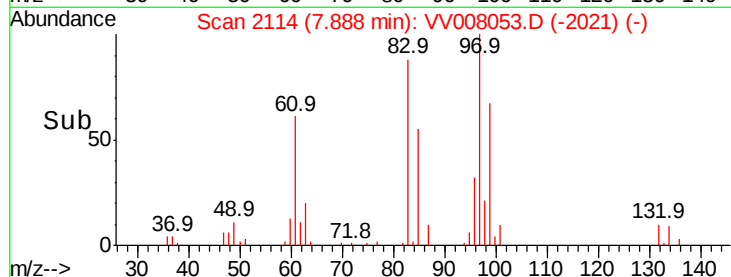
99 66.9 43.5 80.9

83 88.5 59.7 110.9

85 55.4 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: 4.950 ug/L

RT: 8.02 min Scan# 2156

Delta R.T. 0.00 min

Lab File: VV008053.D

Acq: 03 Oct 2018 18:24

Tgt Ion: 164 Resp: 33861

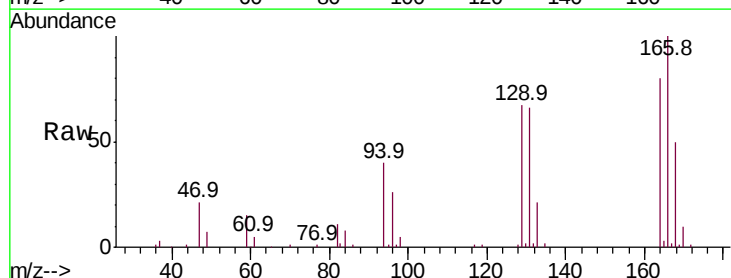
Ion Ratio Lower Upper

164 100

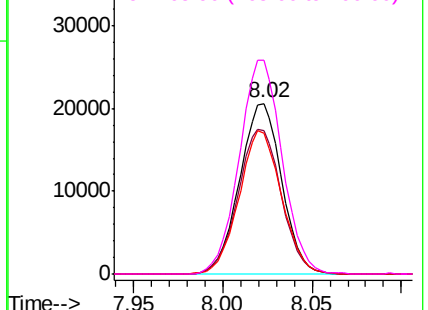
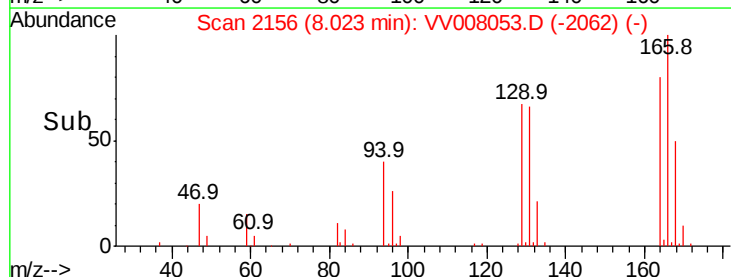
129 84.0 59.2 110.0

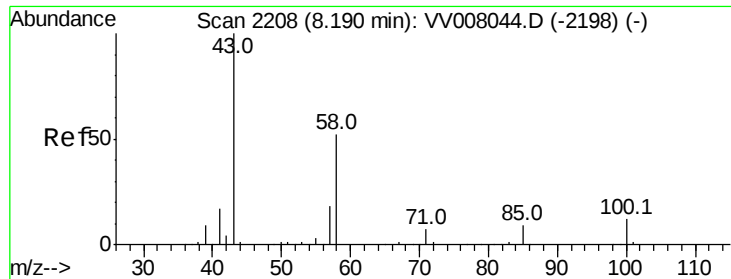
131 82.4 57.1 106.1

166 125.1 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

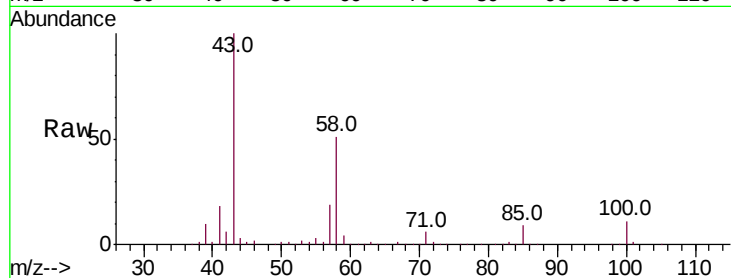




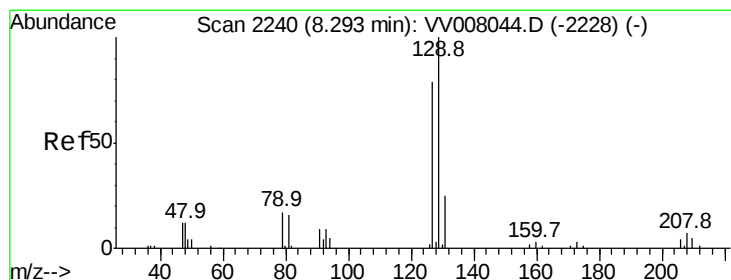
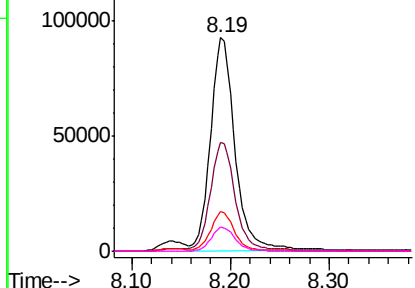
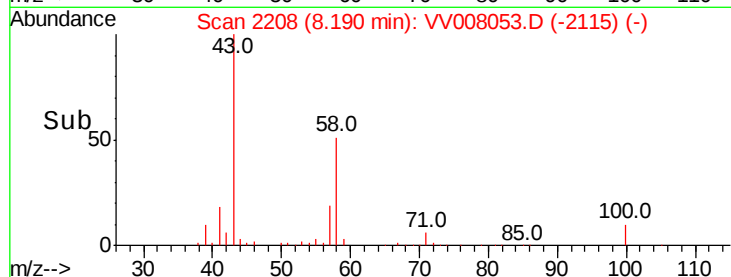
#48
2-Hexanone
Concen: 55.294 ug/L
RT: 8.19 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VV008053.D
Acq: 03 Oct 2018 18:24

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 158989
Ion Ratio Lower Upper
43 100
58 51.4 41.9 62.9
57 17.6 14.3 21.5
100 11.5 9.2 13.8

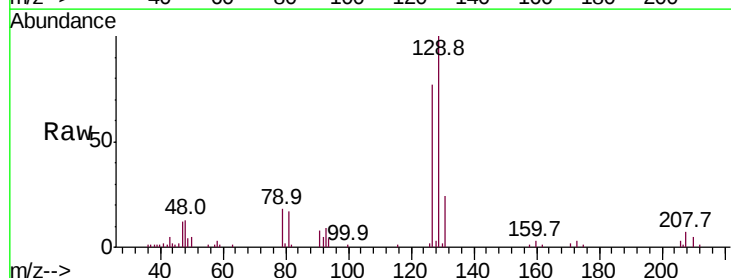


Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0

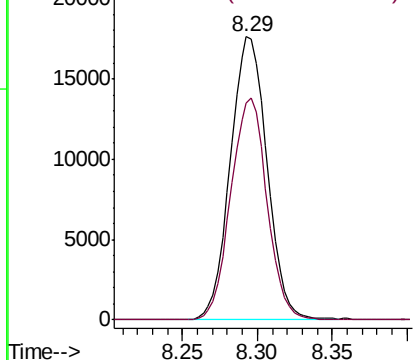
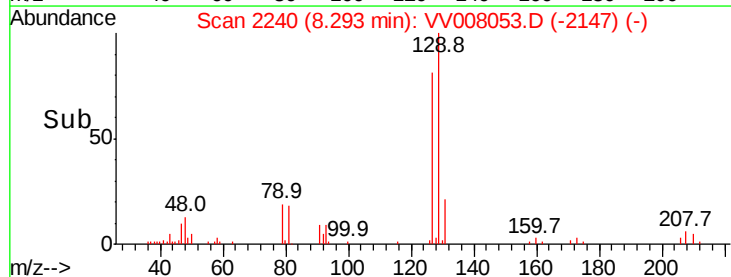


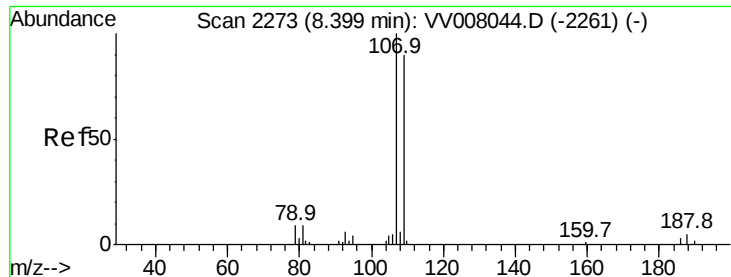
#49
Dibromochloromethane
Concen: 5.561 ug/L
RT: 8.29 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VV008053.D
Acq: 03 Oct 2018 18:24

Tgt Ion: 129 Resp: 30173
Ion Ratio Lower Upper
129 100
127 76.5 53.1 98.5



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

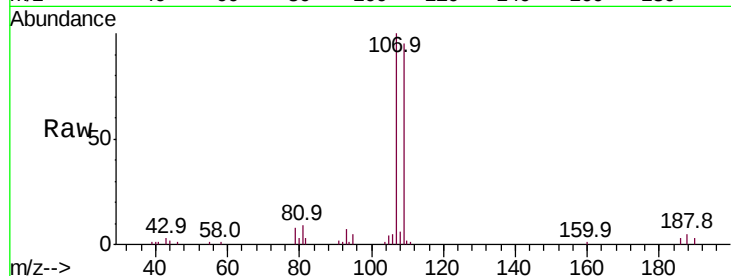




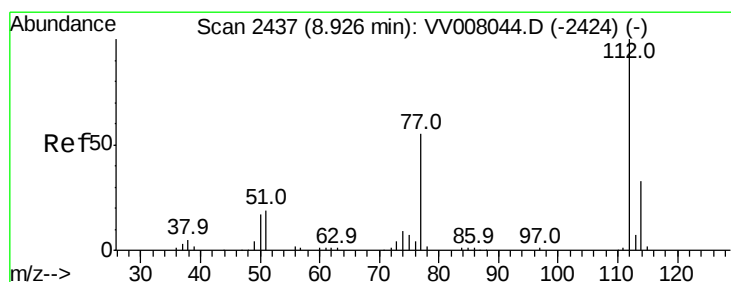
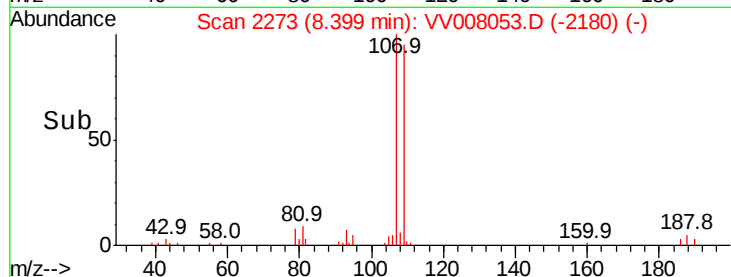
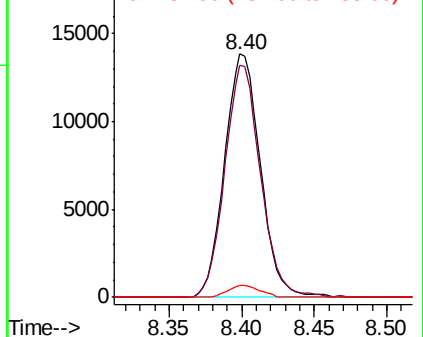
#50
1,2-Dibromoethane
Concen: 5.457 ug/L
RT: 8.40 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VV008053.D
Acq: 03 Oct 2018 18:24

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.4	64.9	120.5
188	5.1	4.0	6.0

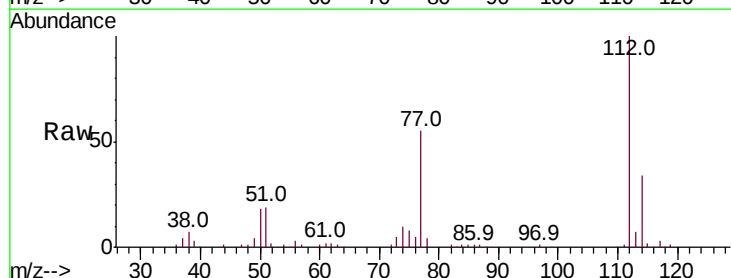


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

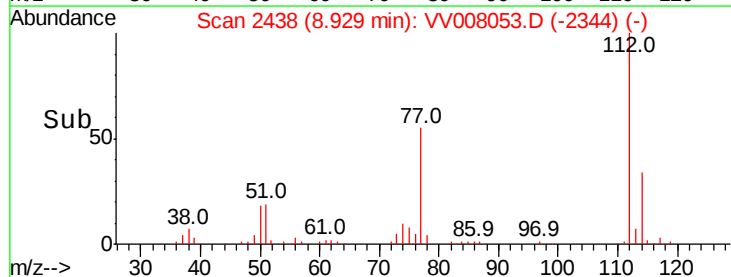
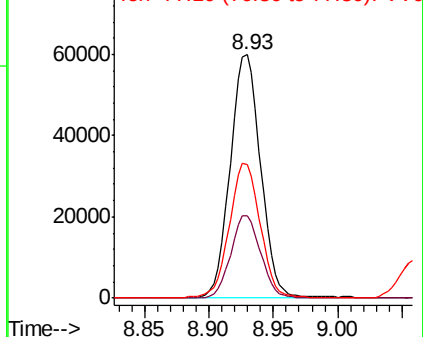


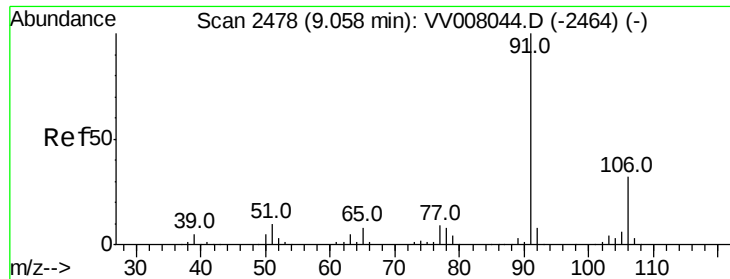
#51
Chlorobenzene
Concen: 5.072 ug/L
RT: 8.93 min Scan# 2438
Delta R.T. 0.00 min
Lab File: VV008053.D
Acq: 03 Oct 2018 18:24

Tgt Ion	Ratio	Lower	Upper
112	100		
114	33.8	22.4	41.6
77	54.8	45.0	67.6



Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): VV0





#52

Ethylbenzene

Concen: 5.052 ug/L

RT: 9.06 min Scan# 2478

Delta R.T. 0.00 min

Lab File: VV008053.D

Acq: 03 Oct 2018 18:24

Instrument :

MSVOA_V

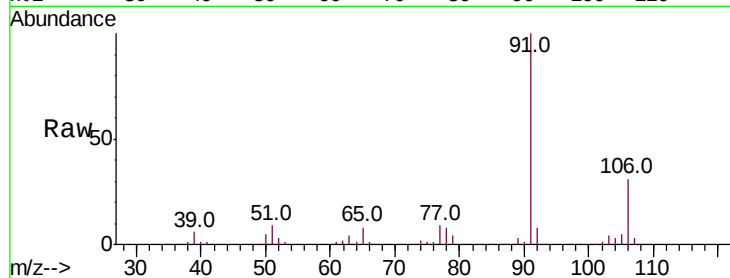
ClientSampled :

Tot Ion: 91 Resp: 158252

Ion Ratio Lower Upper

91 100

106 31.2 21.7 40.3



Abundance Ion 91.15 (90.85 to 91.85): VV008044.D (-2464) (-)

Ion 106.15 (105.85 to 106.85): VV008044.D (-2464) (-)

9.06

100000

80000

60000

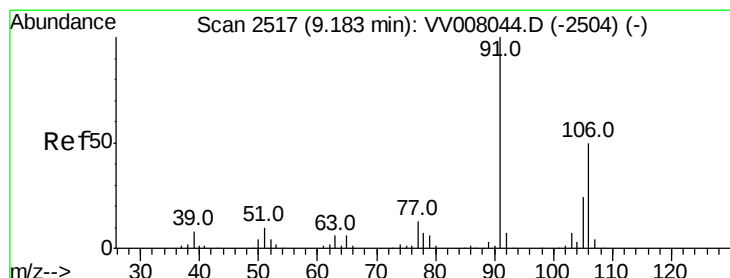
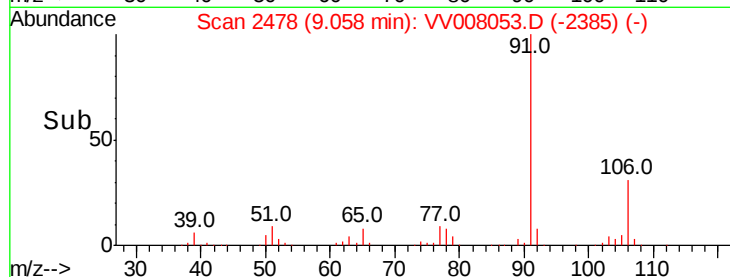
40000

20000

0

Time-->

9.00 9.05 9.10 9.15



#53

m,p-xylene

Concen: 5.117 ug/L

RT: 9.18 min Scan# 2517

Delta R.T. 0.00 min

Lab File: VV008053.D

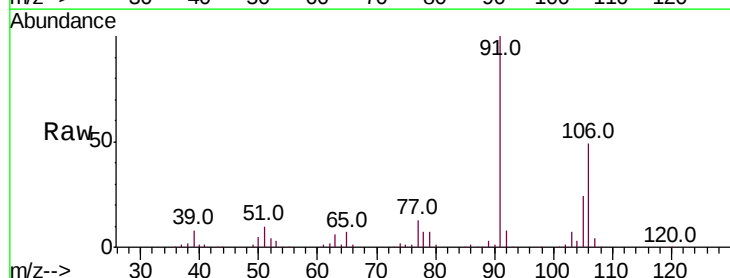
Acq: 03 Oct 2018 18:24

Tgt Ion: 106 Resp: 61040

Ion Ratio Lower Upper

106 100

91 202.1 139.4 258.8



Abundance Ion 106.15 (105.85 to 106.85): VV008044.D (-2504) (-)

Ion 91.15 (90.85 to 91.85): VV008044.D (-2504) (-)

9.18

80000

60000

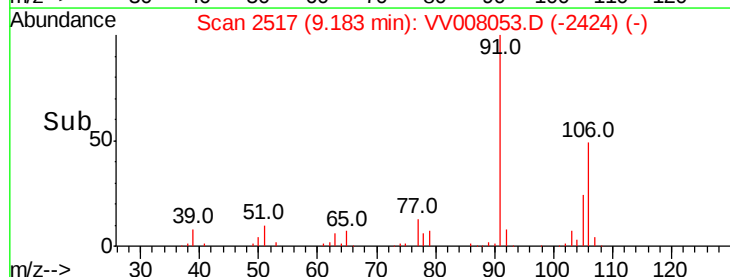
40000

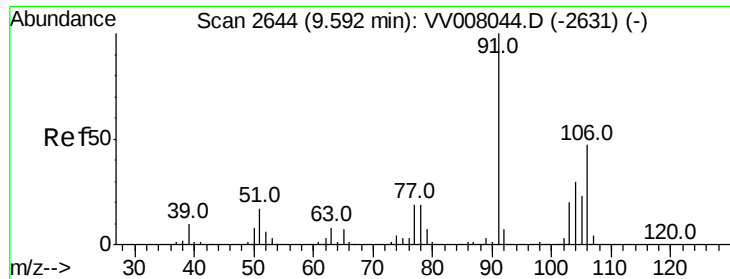
20000

0

Time-->

9.10 9.15 9.20 9.25





#54

o-xylene

Concen: 5.158 ug/L

RT: 9.59 min Scan# 2644

Delta R.T. 0.00 min

Lab File: VV008053.D

Acq: 03 Oct 2018 18:24

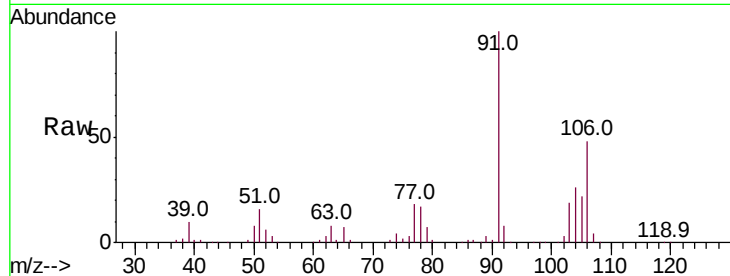
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:106 Resp: 59419

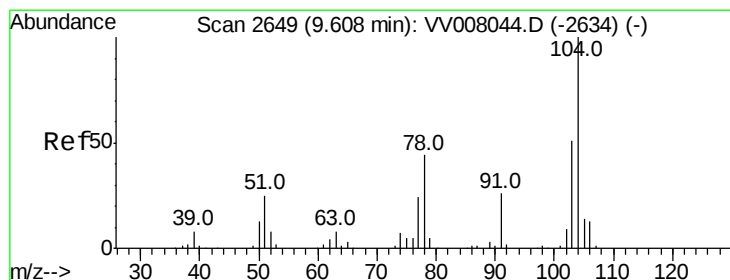
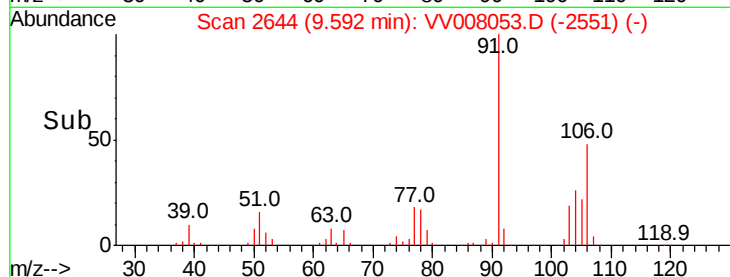
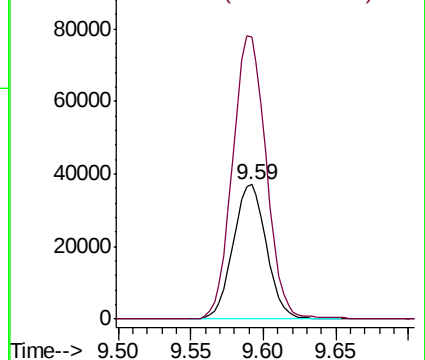
Ion Ratio Lower Upper

106 100

91 209.9 150.1 278.9



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



#55

Styrene

Concen: 5.264 ug/L

RT: 9.61 min Scan# 2649

Delta R.T. 0.00 min

Lab File: VV008053.D

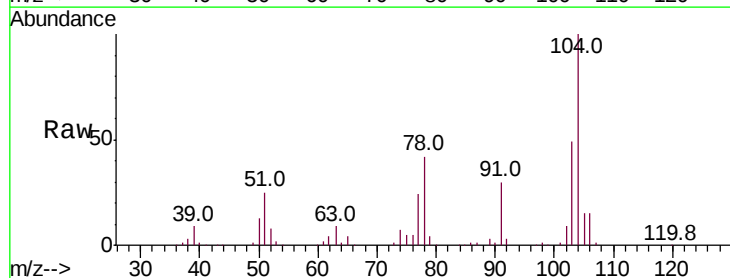
Acq: 03 Oct 2018 18:24

Tgt Ion:104 Resp: 103574

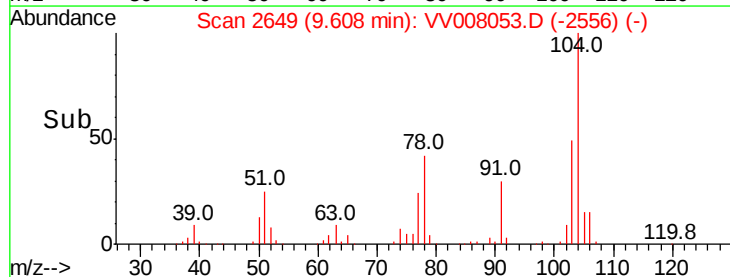
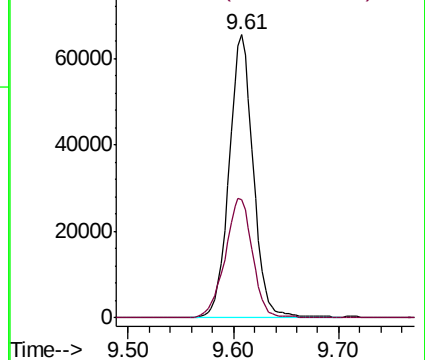
Ion Ratio Lower Upper

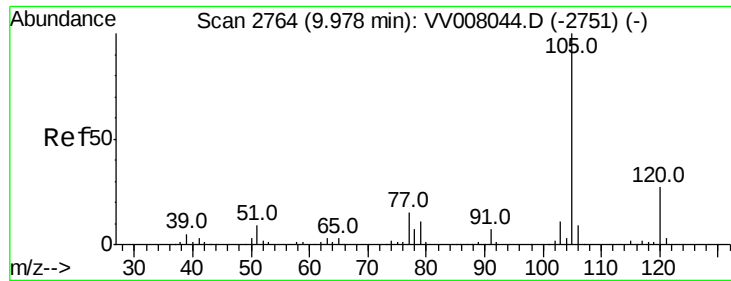
104 100

78 41.8 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: 5.199 ug/L

RT: 9.98 min Scan# 2764

Delta R.T. 0.00 min

Lab File: VV008053.D

Acq: 03 Oct 2018 18:24

Instrument :

MSVOA_V

ClientSampled :

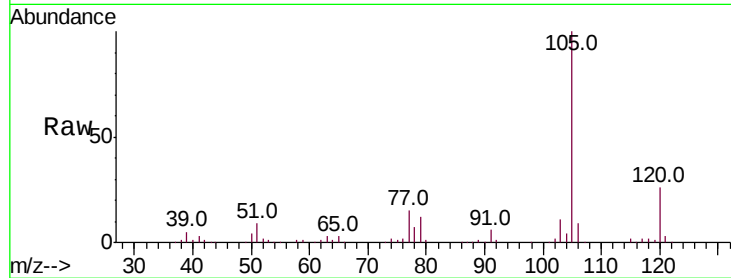
Tot Ion:105 Resp: 162204

Ion Ratio Lower Upper

105 100

120 26.6 21.4 32.0

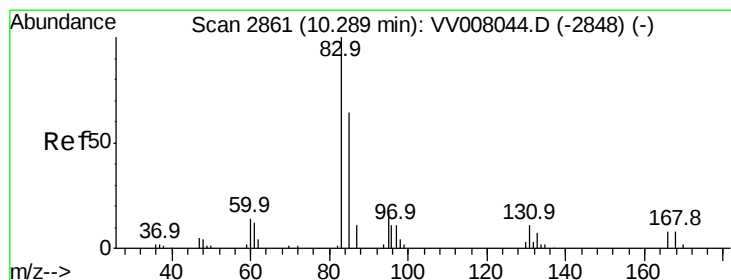
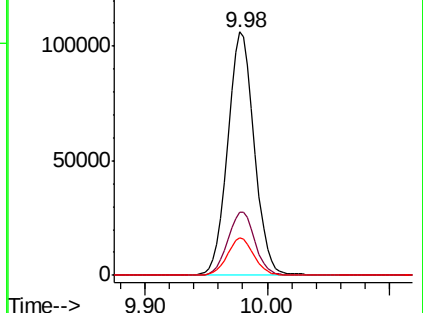
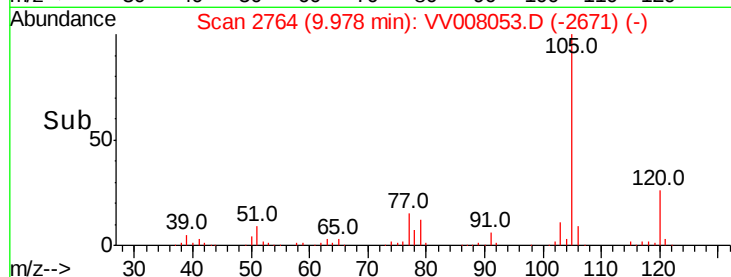
77 15.4 12.7 19.1



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: 5.283 ug/L

RT: 10.29 min Scan# 2861

Delta R.T. 0.00 min

Lab File: VV008053.D

Acq: 03 Oct 2018 18:24

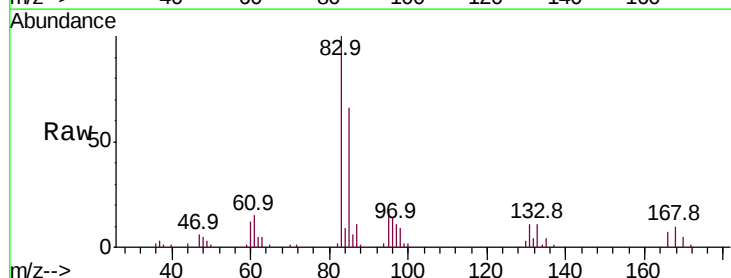
Tgt Ion: 83 Resp: 29494

Ion Ratio Lower Upper

83 100

85 65.9 43.7 81.1

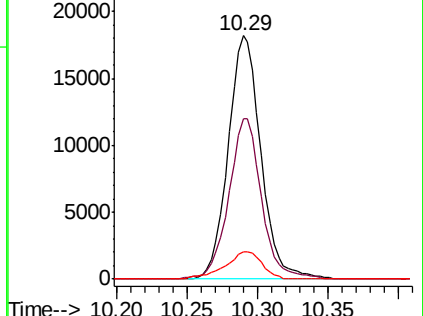
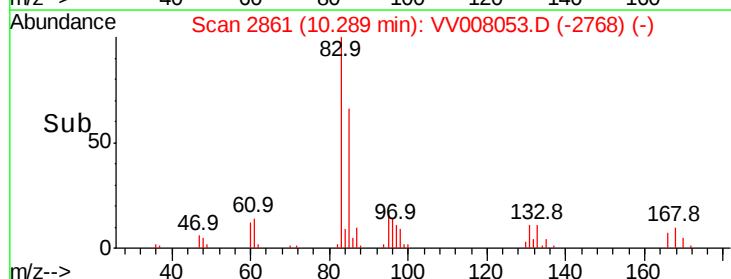
131 11.4 9.0 13.4

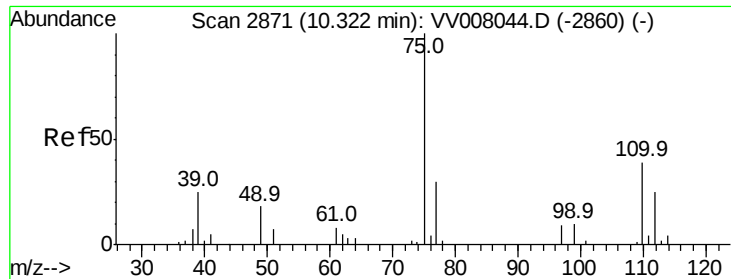


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V

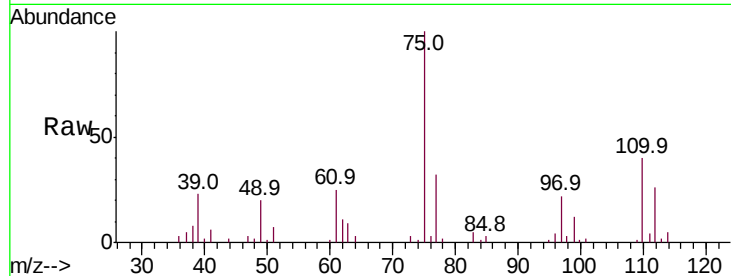




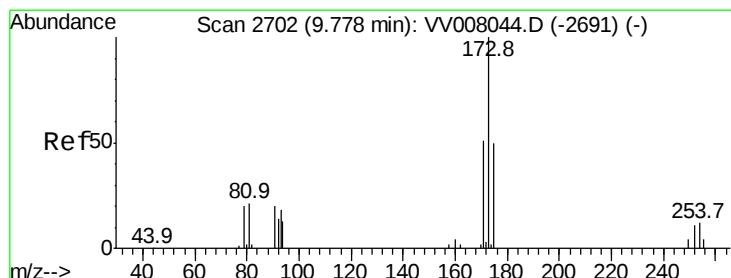
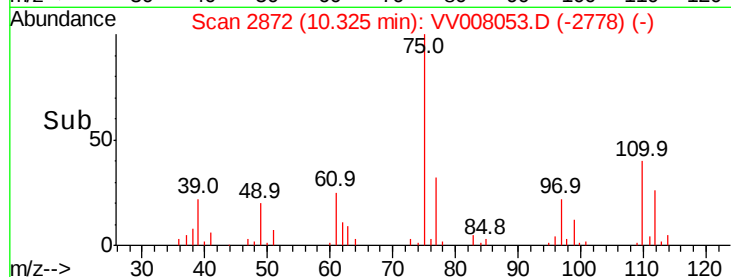
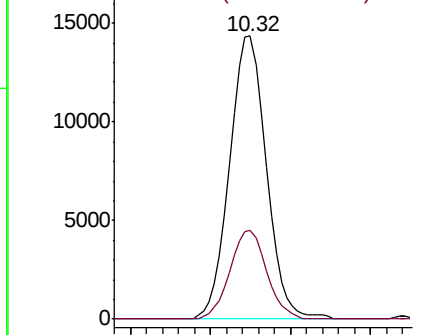
#59
 1,2,3-Trichloropropane
 Concen: 5.480 ug/L
 RT: 10.32 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VV008053.D
 Acq: 03 Oct 2018 18:24

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 75 Resp: 22459
 Ion Ratio Lower Upper
 75 100
 77 31.3 26.4 39.6

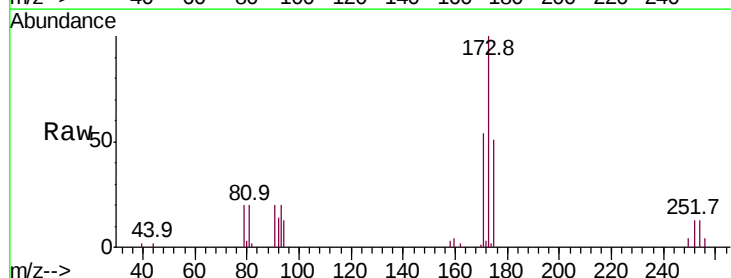


Abundance Ion 75.00 (74.70 to 75.70): VV008044.D (-2860) (-)
 Ion 77.00 (76.70 to 77.70): VV008044.D (-2860) (-)

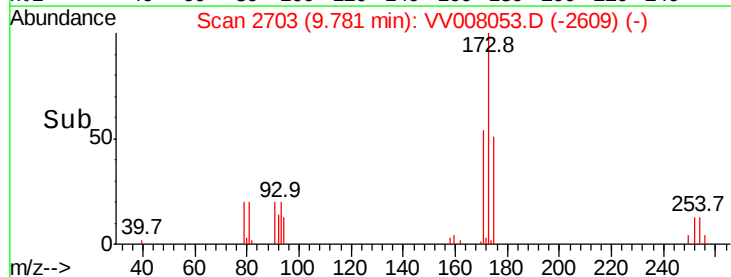
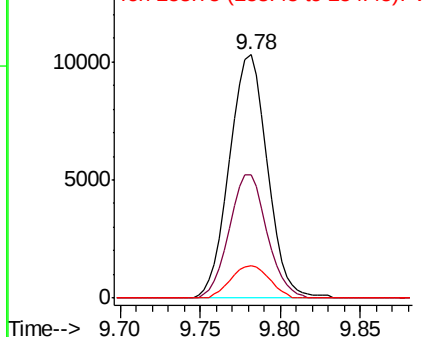


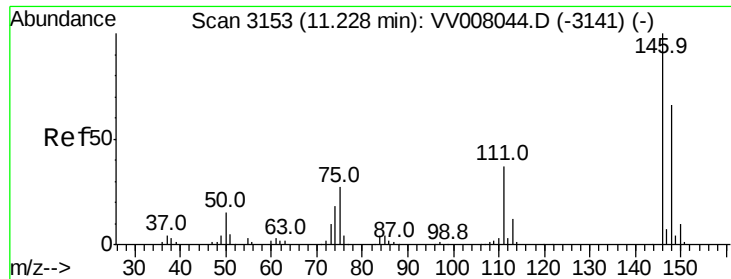
#61
 Bromoform
 Concen: 5.648 ug/L
 RT: 9.78 min Scan# 2703
 Delta R.T. 0.00 min
 Lab File: VV008053.D
 Acq: 03 Oct 2018 18:24

Tgt Ion: 173 Resp: 16656
 Ion Ratio Lower Upper
 173 100
 175 50.3 41.0 61.6
 254 13.4 9.6 14.4



Abundance Ion 172.90 (172.60 to 173.60): VV008044.D (-2691) (-)
 Ion 174.90 (174.60 to 175.60): VV008044.D (-2691) (-)
 Ion 253.75 (253.45 to 254.45): VV008044.D (-2691) (-)

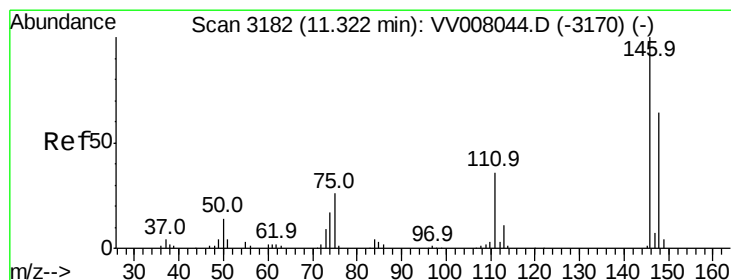
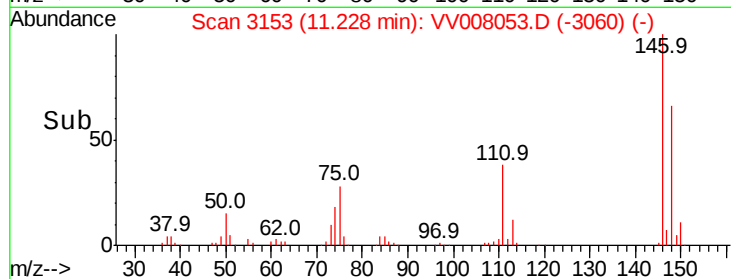
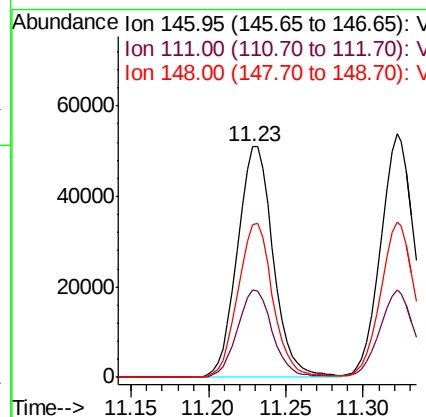
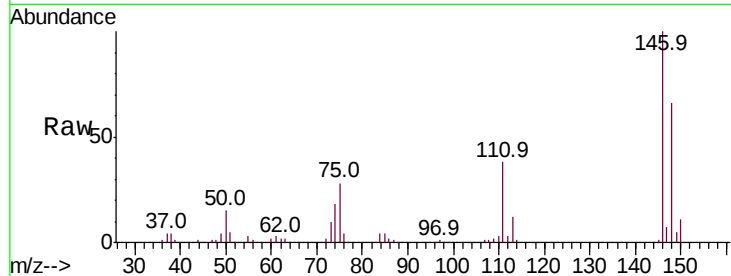




#62
 1,3-Dichlorobenzene
 Concen: 5.062 ug/L
 RT: 11.23 min Scan# 3153
 Delta R.T. 0.00 min
 Lab File: VV008053.D
 Acq: 03 Oct 2018 18:24

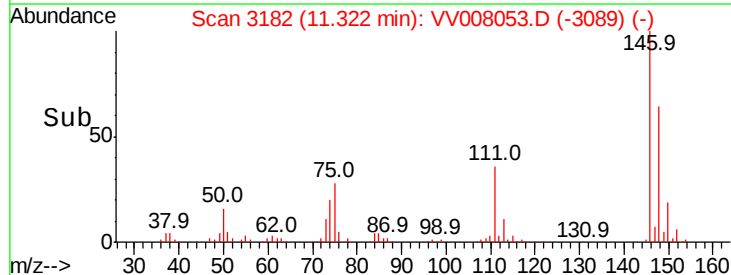
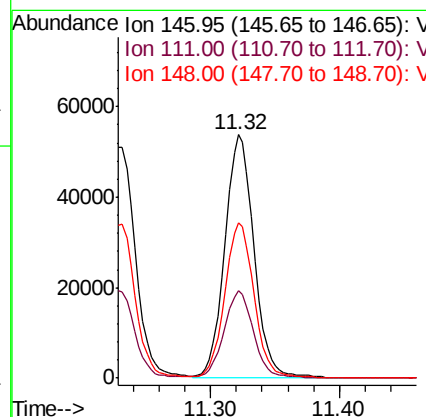
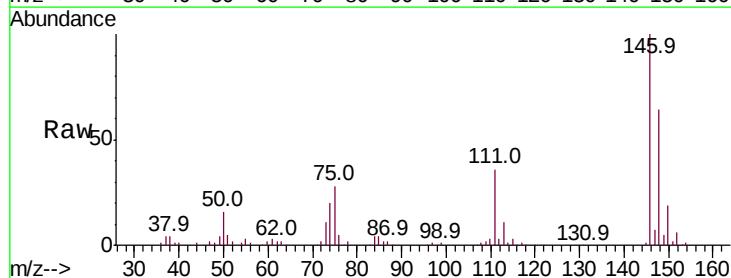
Instrument :
 MSVOA_V
 ClientSampleId :

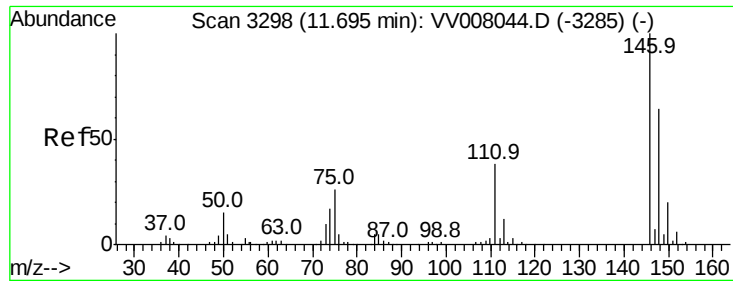
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.0	25.8	48.0
148	66.1	44.7	82.9



#63
 1,4-Dichlorobenzene
 Concen: 5.015 ug/L
 RT: 11.32 min Scan# 3182
 Delta R.T. 0.00 min
 Lab File: VV008053.D
 Acq: 03 Oct 2018 18:24

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.7	25.3	47.1
148	64.0	44.7	82.9





#65

1,2-Dichlorobenzene

Concen: 5.258 ug/L

RT: 11.69 min Scan# 3298

Delta R.T. 0.00 min

Lab File: VV008053.D

Acq: 03 Oct 2018 18:24

Instrument :

MSVOA_V

ClientSampleId :

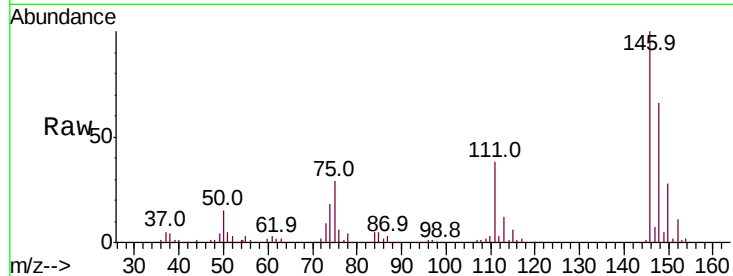
Tot Ion:146 Resp: 80351

Ion Ratio Lower Upper

146 100

111 37.8 31.2 46.8

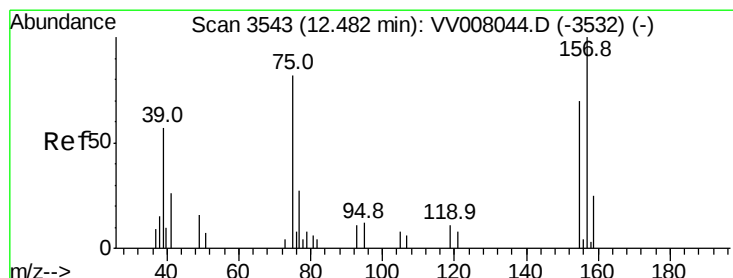
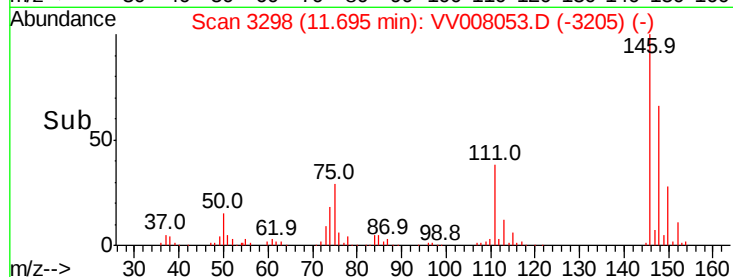
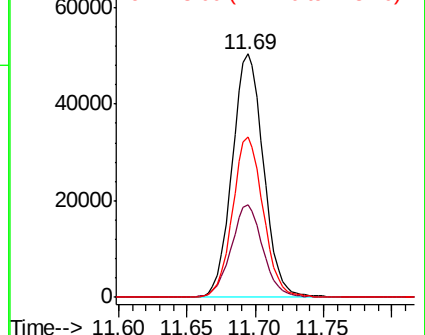
148 66.0 50.3 75.5



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: 5.105 ug/L

RT: 12.48 min Scan# 3543

Delta R.T. 0.00 min

Lab File: VV008053.D

Acq: 03 Oct 2018 18:24

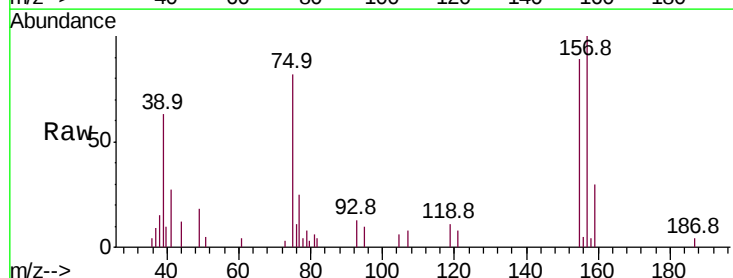
Tgt Ion: 75 Resp: 3974

Ion Ratio Lower Upper

75 100

155 108.9 83.4 125.2

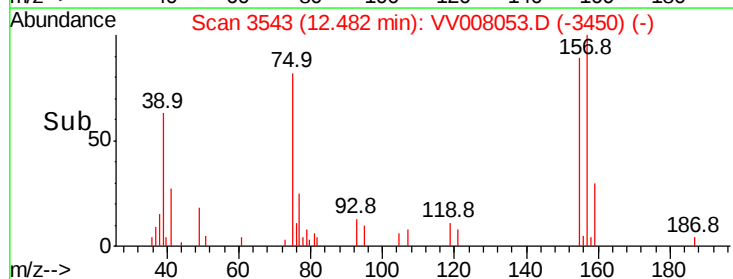
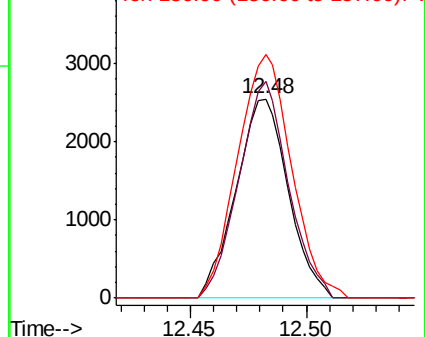
157 122.3 93.9 140.9

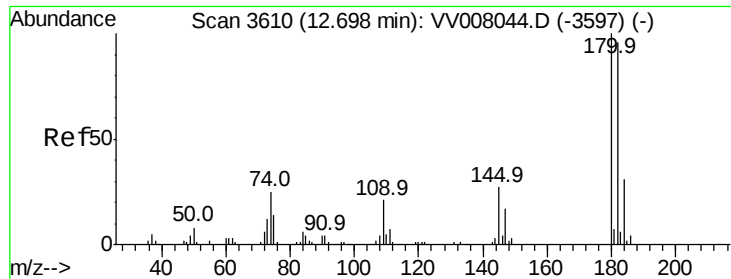


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

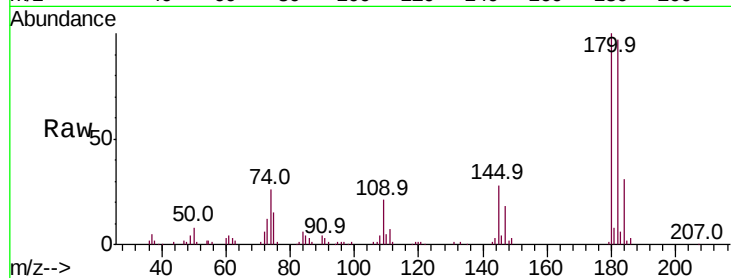




#67
 1,3,5-Trichlorobenzene
 Concen: 5.046 ug/L
 RT: 12.70 min Scan# 3610
 Delta R.T. 0.00 min
 Lab File: VV008053.D
 Acq: 03 Oct 2018 18:24

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:	180	Resp:	70040
Ion	Ratio	Lower	Upper
180	100		
182	96.7	76.2	114.4
184	30.5	24.5	36.7
145	27.9	22.2	33.4



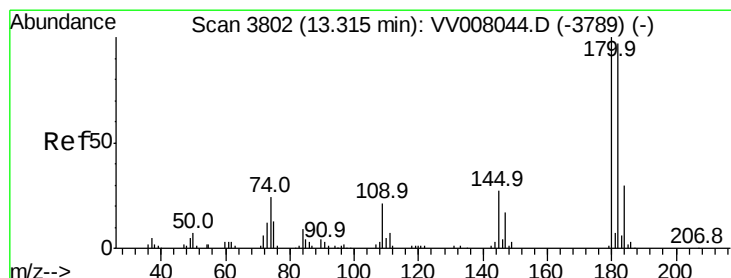
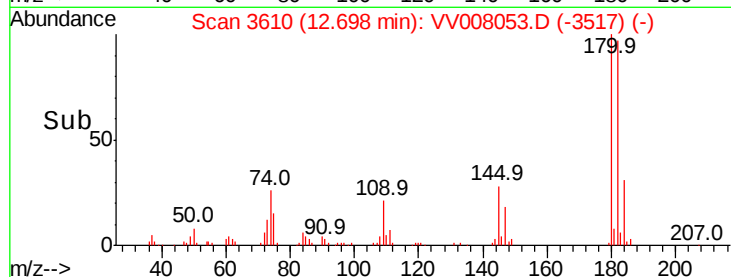
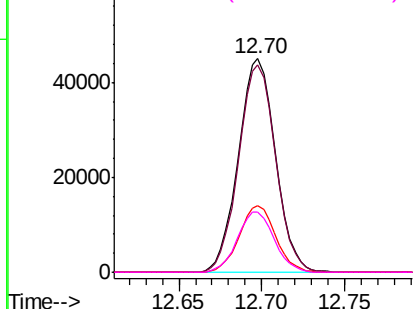
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

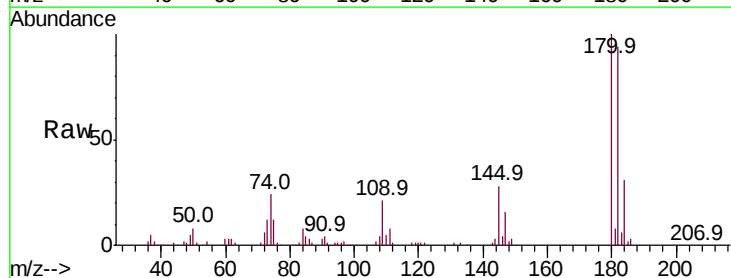
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 4.796 ug/L
 RT: 13.32 min Scan# 3802
 Delta R.T. 0.00 min
 Lab File: VV008053.D
 Acq: 03 Oct 2018 18:24

Tgt Ion:	180	Resp:	56269
Ion	Ratio	Lower	Upper
180	100		
182	94.8	77.4	116.2
145	27.9	22.6	33.8

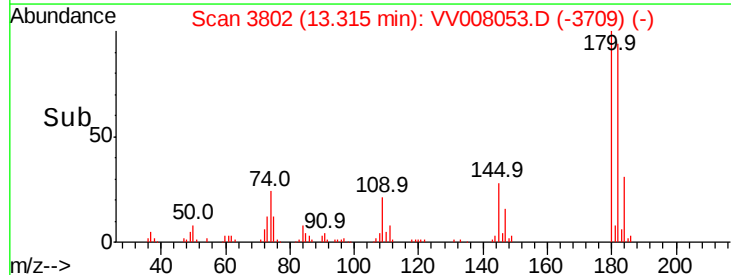
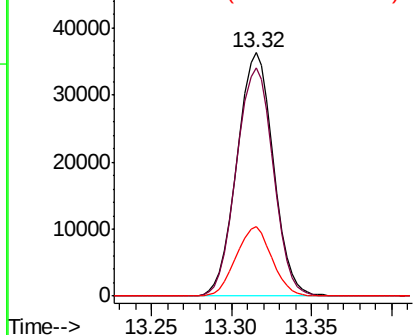


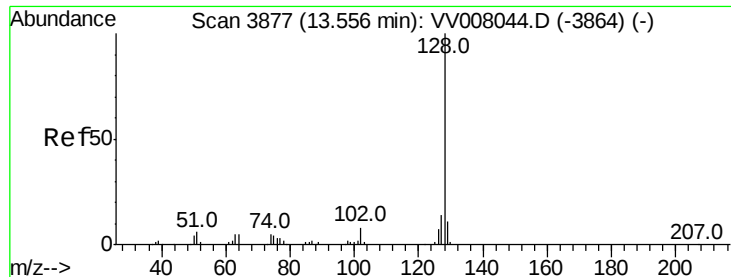
Abundance

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

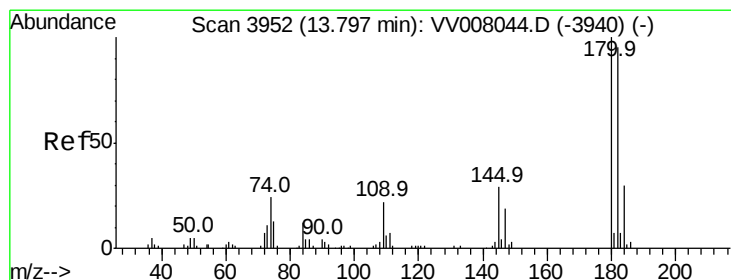
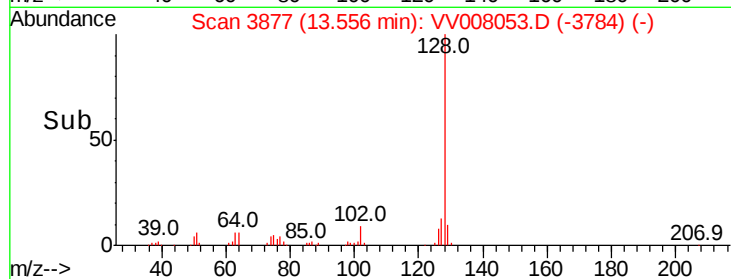
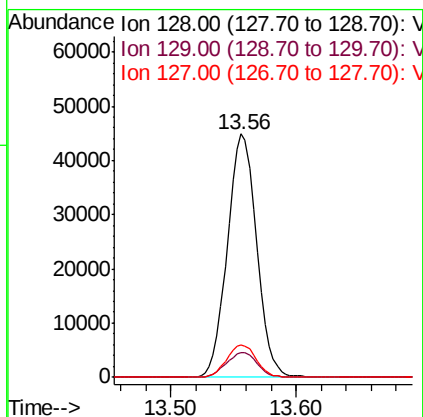
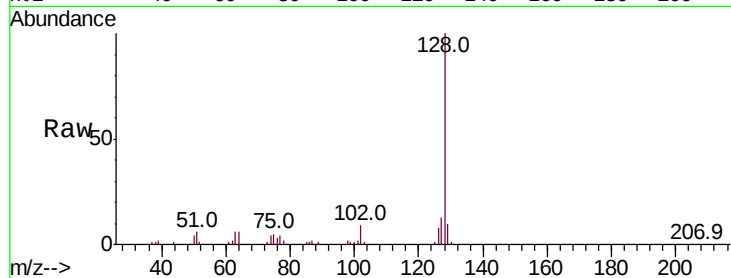




#69
Naphthalene
Concen: 4.429 ug/L
RT: 13.56 min Scan# 3877
Delta R.T. 0.00 min
Lab File: VV008053.D
Acq: 03 Oct 2018 18:24

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:128 Resp: 72689
Ion Ratio Lower Upper
128 100
129 10.8 8.6 13.0
127 13.5 10.3 15.5



#70
1,2,3-Trichlorobenzene
Concen: 4.970 ug/L
RT: 13.80 min Scan# 3952
Delta R.T. 0.00 min
Lab File: VV008053.D
Acq: 03 Oct 2018 18:24

Tgt Ion:180 Resp: 52802
Ion Ratio Lower Upper
180 100
182 95.0 75.7 113.5
145 30.1 23.4 35.0

