

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV100218\
 Data File : VV008023.D
 Acq On : 02 Oct 2018 10:57
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0 mL/MSVOA V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Oct 03 05:30:35 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR092718WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Oct 02 04:17:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	88711	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	85585	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	46785	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	25930	5.45	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	109.00%
7) Chloroethane-d5	1.59	69	22296	5.43	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	108.60%
11) 1,1-Dichloroethene-d2	2.14	63	56017	5.22	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	104.40%
20) 2-Butanone-d5	3.97	46	74999	52.43	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	104.86%
24) Chloroform-d	4.41	84	61558	5.68	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	113.60%
26) 1,2-Dichloroethane-d4	5.09	65	31085	5.22	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.40%
32) Benzene-d6	5.10	84	114204	5.59	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	111.80%
36) 1,2-Dichloropropane-d6	6.12	67	35855	5.53	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	110.60%
41) Toluene-d8	7.36	98	118053	5.67	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	113.40%
43) trans-1,3-Dichloropropene-	7.67	79	13189	5.29	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	105.80%
46) 2-Hexanone-d5	8.14	63	56350	51.19	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	102.38%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	26251	5.25	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	105.00%
64) 1,2-Dichlorobenzene-d4	11.68	152	47214	5.21	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	104.20%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	39159	5.263	ug/L 98
3) Chloromethane	1.25	50	32827	4.959	ug/L 100
5) Vinyl chloride	1.33	62	35509	5.010	ug/L 96
6) Bromomethane	1.54	94	21237	4.858	ug/L 99
8) Chloroethane	1.60	64	21849	5.112	ug/L 99
9) Trichlorofluoromethane	1.77	101	60953	5.268	ug/L 98
10) 1,1,2-Trichloro-1,2,2-trif	2.15	101	35182	5.361	ug/L 98
12) 1,1-Dichloroethene	2.15	96	30464	5.195	ug/L 98
13) Acetone	2.22	43	51495	49.410	ug/L 97
14) Carbon disulfide	2.32	76	75358	4.741	ug/L 98
15) Methyl Acetate	2.47	43	12191	4.574	ug/L 100
16) Methylene chloride	2.54	84	32615	5.006	ug/L 95
17) Methyl tert-butyl Ether	2.81	73	73358	5.063	ug/L 99
18) trans-1,2-Dichloroethene	2.79	96	32990	5.104	ug/L 99
19) 1,1-Dichloroethane	3.23	63	57839	5.244	ug/L 99
21) 2-Butanone	4.05	43	83563	50.326	ug/L 99
22) cis-1,2-Dichloroethene	3.96	96	36040	5.507	ug/L 95

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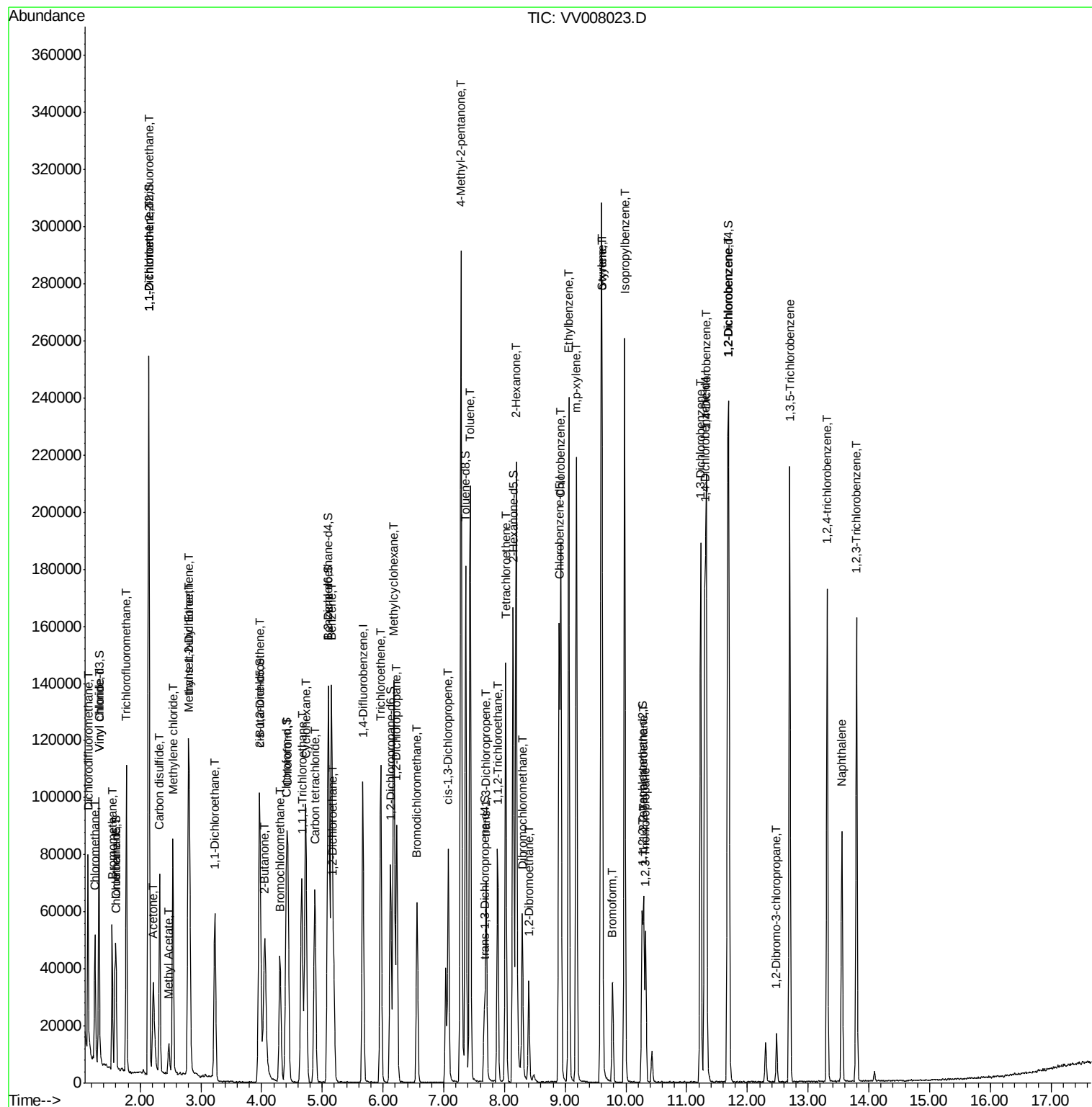
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	15864	5.574	ug/L	95
25) Chloroform	4.43	83	63365	5.312	ug/L	98
27) 1,2-Dichloroethane	5.19	62	38417	5.005	ug/L	97
29) 1,1,1-Trichloroethane	4.66	97	56508	5.491	ug/L	100
30) Cyclohexane	4.72	56	48885	5.053	ug/L	100
31) Carbon tetrachloride	4.88	117	50007	5.512	ug/L	99
33) Benzene	5.15	78	132015	5.387	ug/L	100
34) Trichloroethene	5.96	95	36225	5.162	ug/L	98
35) Methylcyclohexane	6.18	83	55103	5.237	ug/L	99
37) 1,2-Dichloropropane	6.23	63	34871	5.570	ug/L	100
38) Bromodichloromethane	6.56	83	40468	5.406	ug/L	98
39) cis-1,3-Dichloropropene	7.07	75	44053	5.260	ug/L	97
40) 4-Methyl-2-pentanone	7.28	43	201329	51.235	ug/L	99
42) Toluene	7.43	91	147298	5.519	ug/L	98
44) trans-1,3-Dichloropropene	7.70	75	37416	5.375	ug/L	98
45) 1,1,2-Trichloroethane	7.89	97	24215	5.359	ug/L	98
47) Tetrachloroethene	8.02	164	34905	5.368	ug/L	99
48) 2-Hexanone	8.19	43	144812	52.986	ug/L	99
49) Dibromochloromethane	8.29	129	29278	5.677	ug/L	100
50) 1,2-Dibromoethane	8.40	107	22215	5.379	ug/L	94
51) Chlorobenzene	8.93	112	98210	5.327	ug/L	99
52) Ethylbenzene	9.06	91	159050	5.342	ug/L	99
53) m,p-xylene	9.18	106	61282	5.405	ug/L	98
54) o-xylene	9.59	106	59256	5.411	ug/L	94
55) Styrene	9.61	104	103366	5.527	ug/L	100
56) Isopropylbenzene	9.98	105	160989	5.428	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.29	83	27421	5.167	ug/L	93
59) 1,2,3-Trichloropropane	10.32	75	20094	5.159	ug/L	99
61) Bromoform	9.78	173	16184	5.760	ug/L	94
62) 1,3-Dichlorobenzene	11.23	146	82292	5.328	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	83716	5.213	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	78081	5.362	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	3884	5.237	ug/L	94
67) 1,3,5-Trichlorobenzene	12.70	180	70339	5.319	ug/L	99
68) 1,2,4-trichlorobenzene	13.32	180	56008	5.011	ug/L	99
69) Naphthalene	13.56	128	70893	4.534	ug/L	98
70) 1,2,3-Trichlorobenzene	13.80	180	52339	5.170	ug/L	99

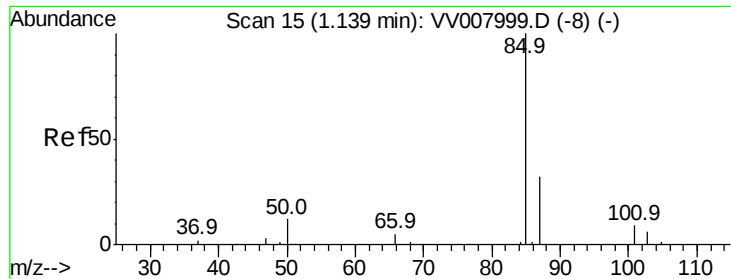
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 5.263 ug/L

RT: 1.14 min Scan# 16

Delta R.T. 0.00 min

Lab File: VV008023.D

Acq: 02 Oct 2018 10:57

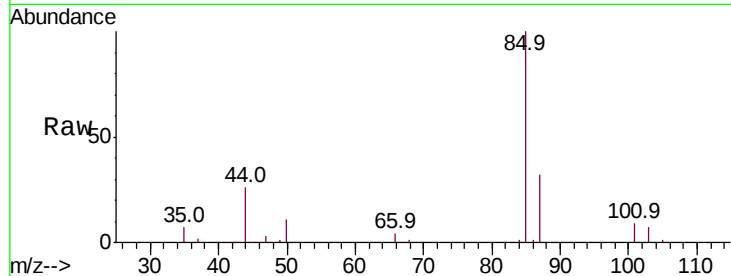
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 85 Resp: 39159

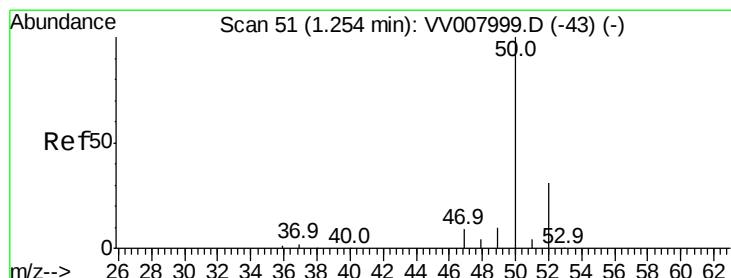
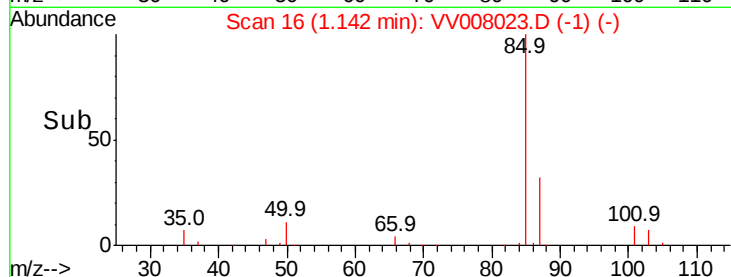
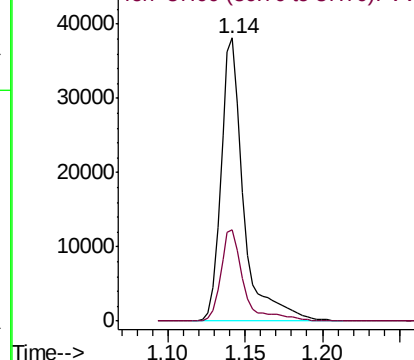
Ion Ratio Lower Upper

85 100

87 32.8 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: 4.959 ug/L

RT: 1.25 min Scan# 51

Delta R.T. 0.00 min

Lab File: VV008023.D

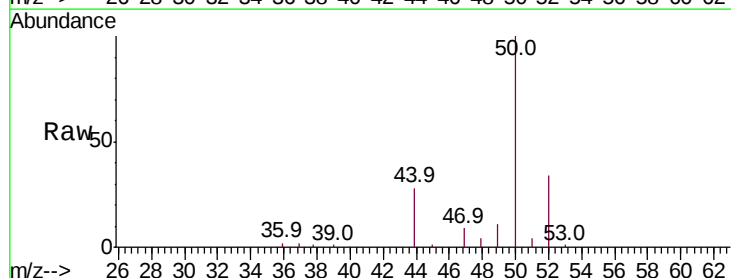
Acq: 02 Oct 2018 10:57

Tgt Ion: 50 Resp: 32827

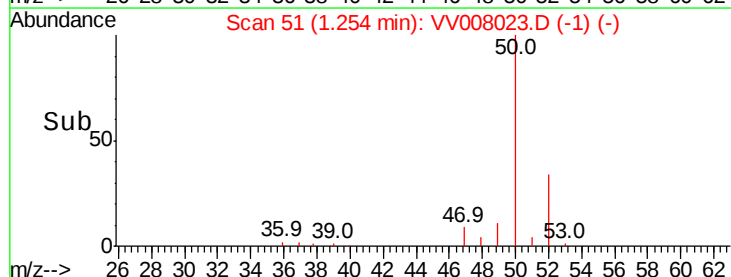
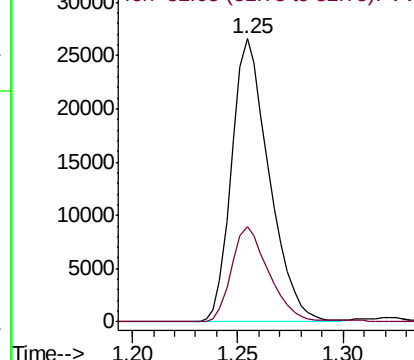
Ion Ratio Lower Upper

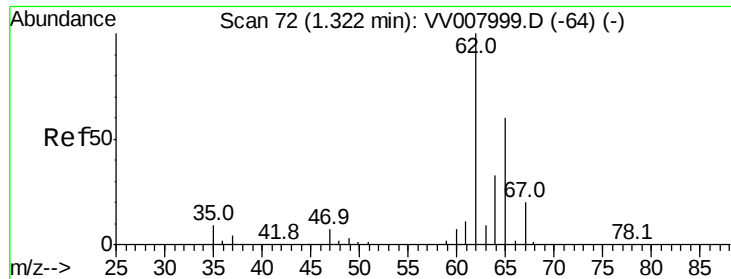
50 100

52 33.6 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: 5.010 ug/L

RT: 1.33 min Scan# 73

Delta R.T. 0.00 min

Lab File: VV008023.D

Acq: 02 Oct 2018 10:57

Instrument :

MSVOA_V

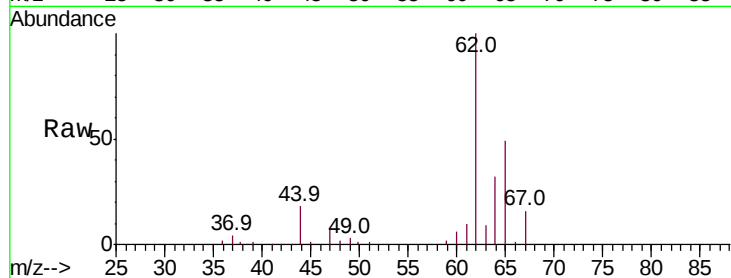
ClientSampleId :

Tot Ion: 62 Resp: 35509

Ion Ratio Lower Upper

62 100

64 32.1 24.0 44.6



Abundance Ion 62.00 (61.70 to 62.70): VV007999.D (-64) (-)

Ion 64.10 (63.80 to 64.80): VV007999.D (-64) (-)

1.33

30000

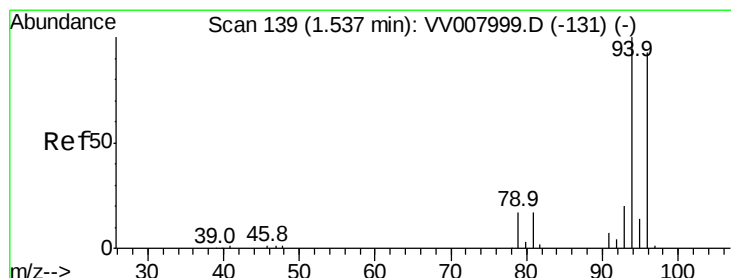
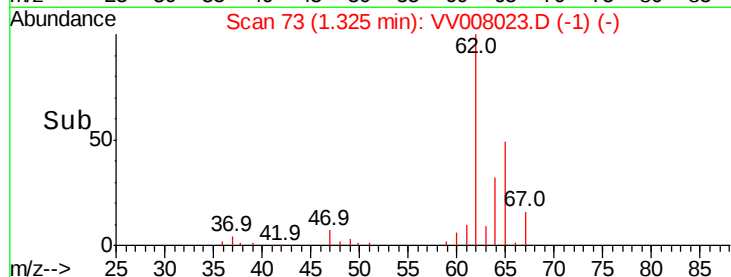
20000

10000

0

1.30 1.35 1.40

Time-->



#6

Bromomethane

Concen: 4.858 ug/L

RT: 1.54 min Scan# 140

Delta R.T. 0.00 min

Lab File: VV008023.D

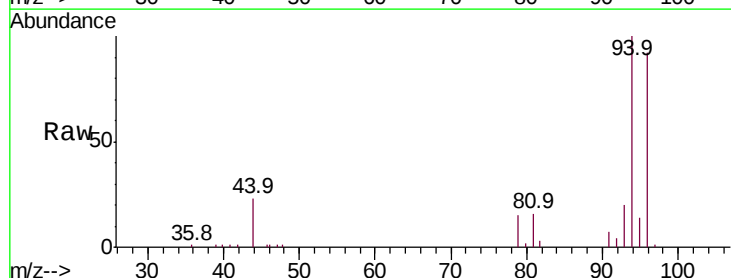
Acq: 02 Oct 2018 10:57

Tgt Ion: 94 Resp: 21237

Ion Ratio Lower Upper

94 100

96 92.0 65.2 121.2



Abundance Ion 94.00 (93.70 to 94.70): VV007999.D (-131) (-)

Ion 96.00 (95.70 to 96.70): VV007999.D (-131) (-)

1.54

20000

15000

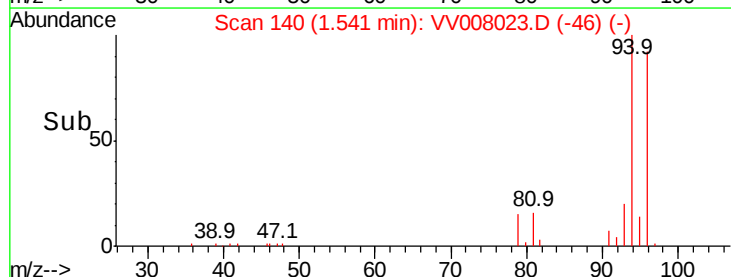
10000

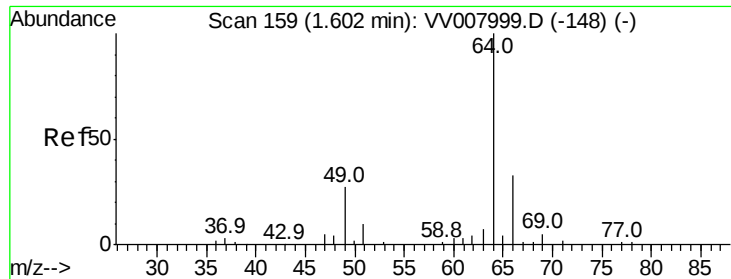
5000

0

1.50 1.55 1.60

Time-->





#8

Chloroethane

Concen: 5.112 ug/L

RT: 1.60 min Scan# 159

Delta R.T. 0.00 min

Lab File: VV008023.D

Acq: 02 Oct 2018 10:57

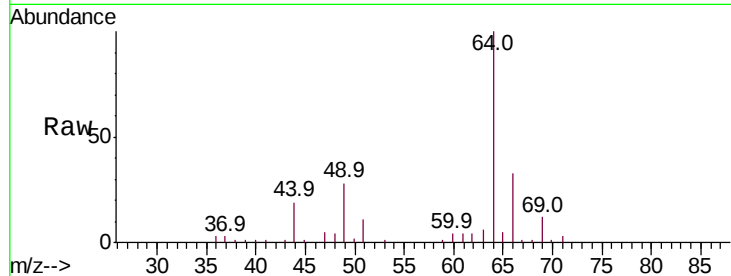
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 64 Resp: 21849

Ion Ratio Lower Upper

64 100

66 32.5 23.1 42.9



Abundance Ion 64.10 (63.80 to 64.80): VV008023.D (-148) (-)

Ion 66.05 (65.75 to 66.75): VV008023.D (-148) (-)

1.60

20000

15000

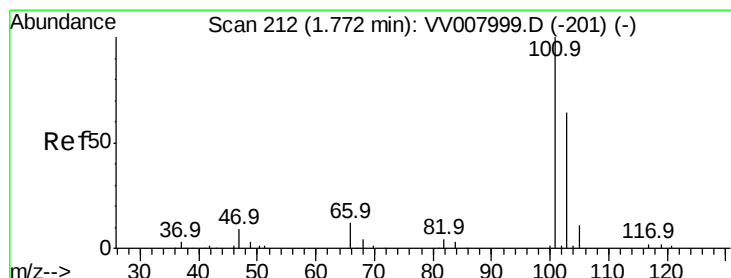
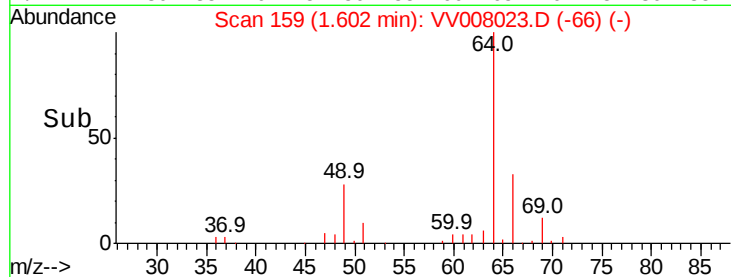
10000

5000

0

Time-->

1.55 1.60 1.65



#9

Trichlorofluoromethane

Concen: 5.268 ug/L

RT: 1.77 min Scan# 212

Delta R.T. 0.00 min

Lab File: VV008023.D

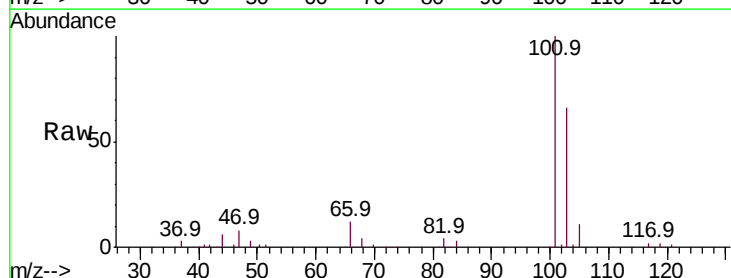
Acq: 02 Oct 2018 10:57

Tgt Ion:101 Resp: 60953

Ion Ratio Lower Upper

101 100

103 65.9 51.5 77.3



Abundance Ion 101.00 (100.70 to 101.70): VV008023.D (-119) (-)

Ion 103.00 (102.70 to 103.70): VV008023.D (-119) (-)

1.77

50000

40000

30000

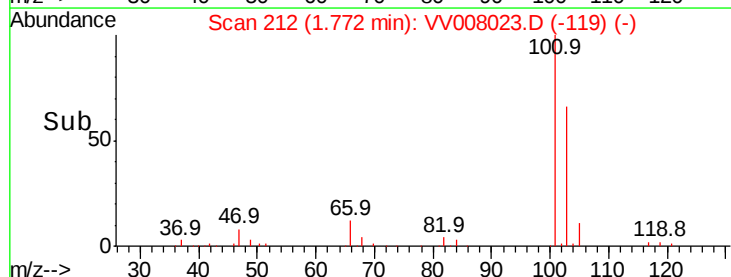
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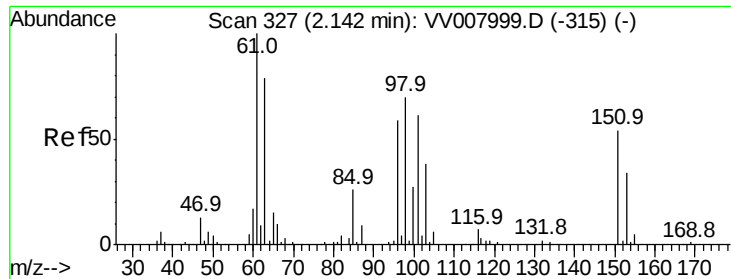
10000

0

Time-->

1.70 1.75 1.80 1.85





#10

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

Concen: 5.361 ug/L

RT: 2.15 min Scan# 328

Delta R.T. 0.00 min

Lab File: VV008023.D

Acq: 02 Oct 2018 10:57

Instrument :

MSVOA_V

ClientSampled :

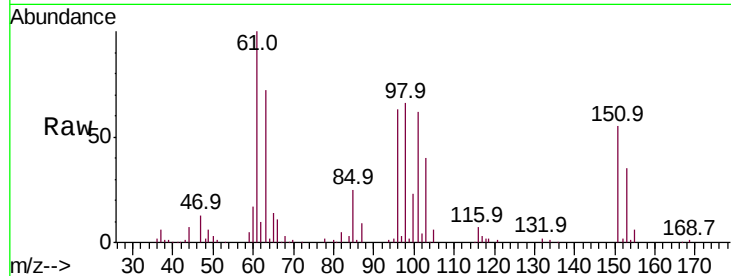
Tot Ion:101 Resp: 35182

Ion Ratio Lower Upper

101 100

85 41.9 34.7 52.1

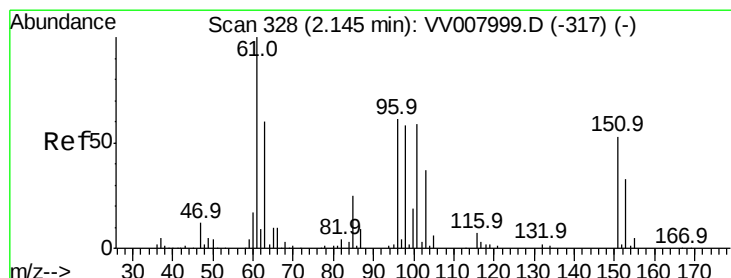
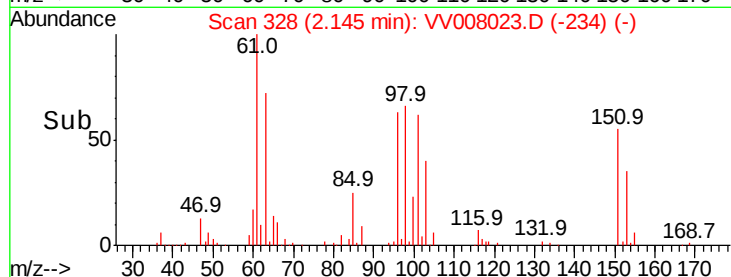
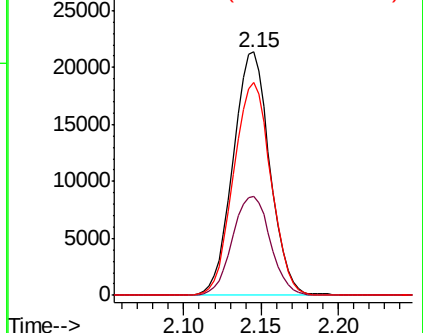
151 89.0 72.2 108.2



Abundance Ion 101.00 (100.70 to 101.70): VV007999.D (-315) (-)

Ion 85.00 (84.70 to 85.70): VV007999.D (-315) (-)

Ion 151.00 (150.70 to 151.70): VV007999.D (-315) (-)



#12

1,1-Dichloroethene

Concen: 5.195 ug/L

RT: 2.15 min Scan# 328

Delta R.T. 0.00 min

Lab File: VV008023.D

Acq: 02 Oct 2018 10:57

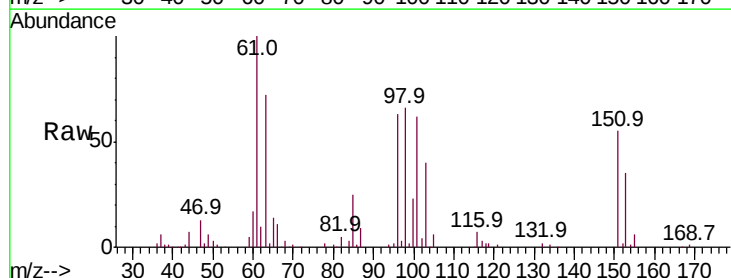
Tgt Ion: 96 Resp: 30464

Ion Ratio Lower Upper

96 100

61 159.3 114.1 211.9

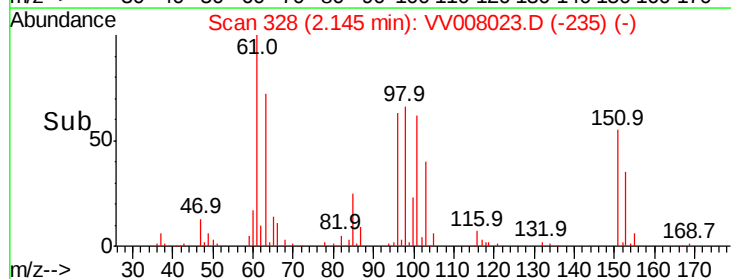
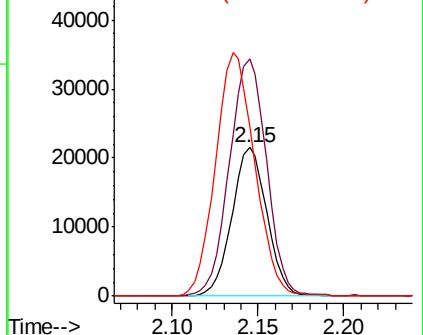
63 114.1 81.5 151.3

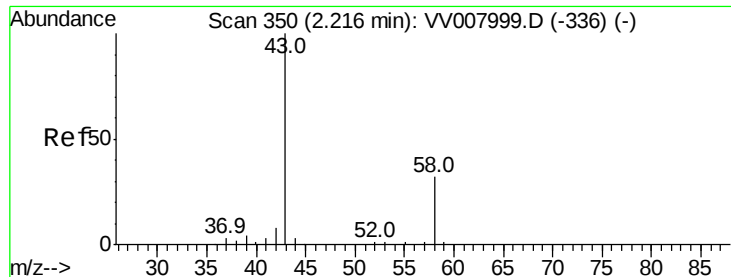


Abundance Ion 96.00 (95.70 to 96.70): VV007999.D (-317) (-)

Ion 61.05 (60.75 to 61.75): VV007999.D (-317) (-)

Ion 63.00 (62.70 to 63.70): VV007999.D (-317) (-)





#13

Acetone

Concen: 49.410 ug/L

RT: 2.22 min Scan# 350

Delta R.T. 0.00 min

Lab File: VV008023.D

Acq: 02 Oct 2018 10:57

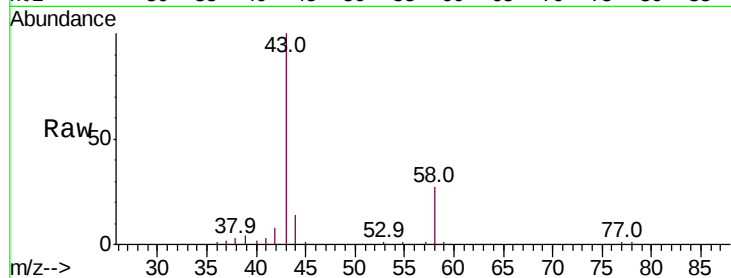
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 51495

Ion Ratio Lower Upper

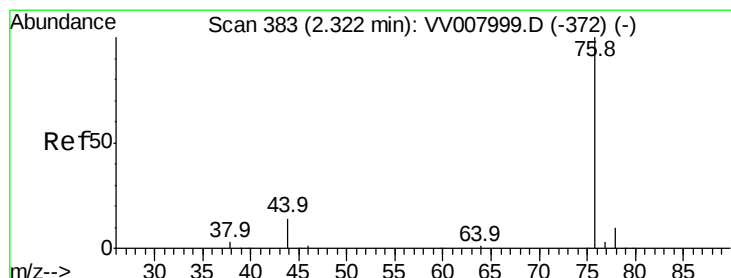
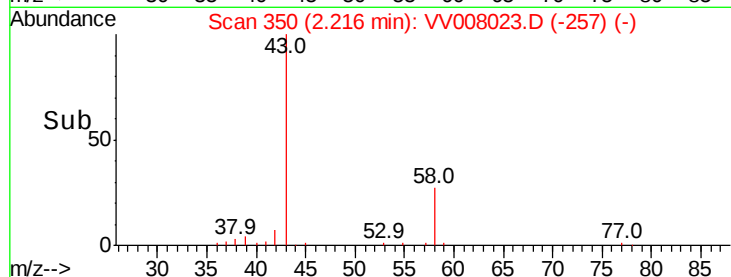
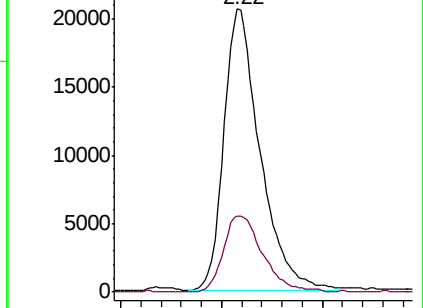
43 100

58 29.4 0.0 62.0



Abundance Ion 43.05 (42.75 to 43.75): VV007999.D (-336) (-)

Ion 58.05 (57.75 to 58.75): VV007999.D (-336) (-)



#14

Carbon disulfide

Concen: 4.741 ug/L

RT: 2.32 min Scan# 383

Delta R.T. 0.00 min

Lab File: VV008023.D

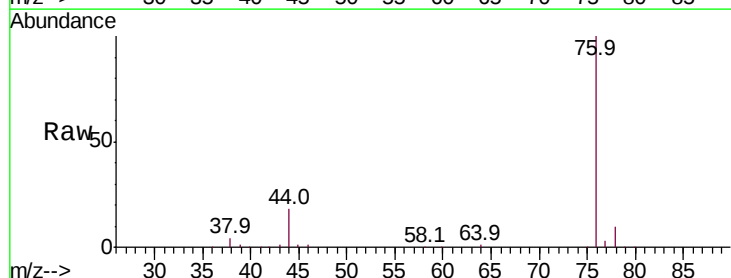
Acq: 02 Oct 2018 10:57

Tgt Ion: 76 Resp: 75358

Ion Ratio Lower Upper

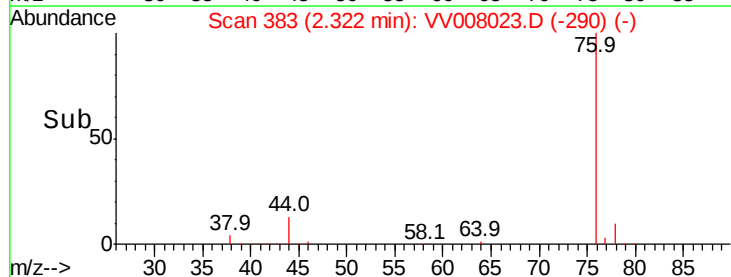
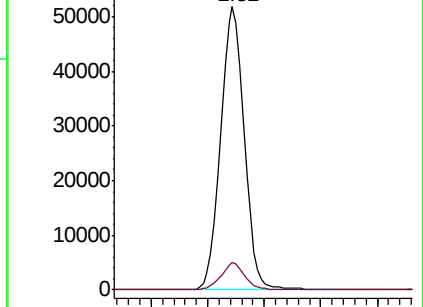
76 100

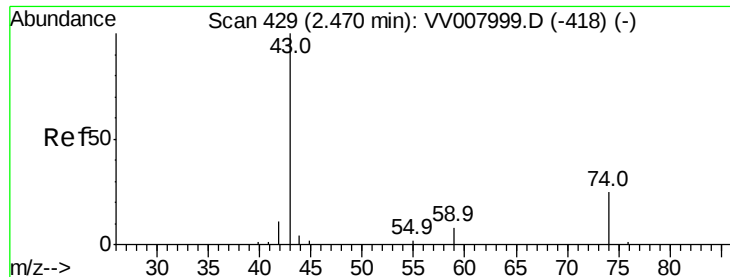
78 9.7 7.2 10.8



Abundance Ion 76.05 (75.75 to 76.75): VV007999.D (-372) (-)

Ion 78.00 (77.70 to 78.70): VV007999.D (-372) (-)





#15

Methvl Acetate

Concen: 4.574 ug/L

RT: 2.47 min Scan# 430

Delta R.T. 0.00 min

Lab File: VV008023.D

Acq: 02 Oct 2018 10:57

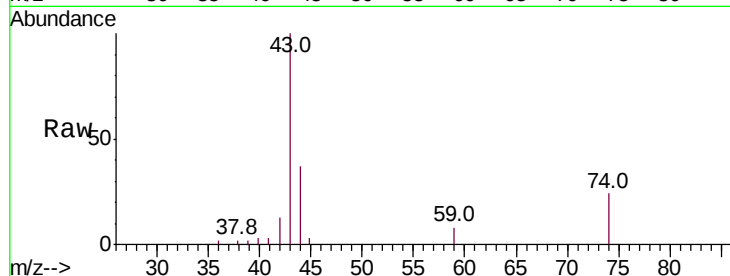
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 12191

Ion Ratio Lower Upper

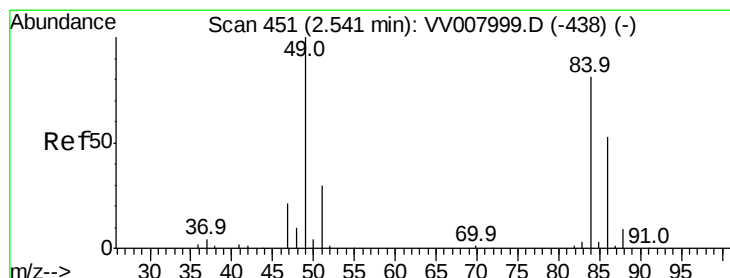
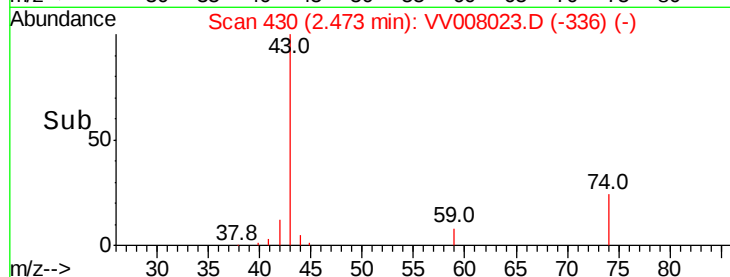
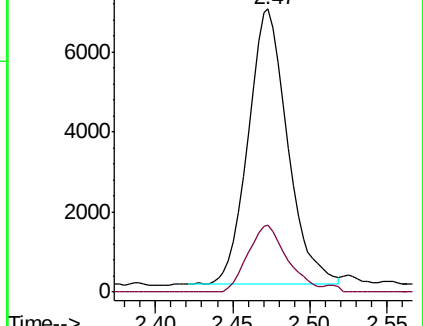
43 100

74 24.4 19.5 29.3



Abundance Ion 43.05 (42.75 to 43.75): VV007999.D (-418) (-)

Ion 74.05 (73.75 to 74.75): VV007999.D (-418) (-)



#16

Methylene chloride

Concen: 5.006 ug/L

RT: 2.54 min Scan# 451

Delta R.T. 0.00 min

Lab File: VV008023.D

Acq: 02 Oct 2018 10:57

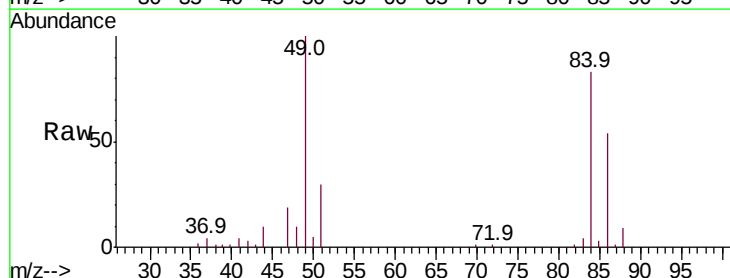
Tgt Ion: 84 Resp: 32615

Ion Ratio Lower Upper

84 100

86 65.0 47.3 87.8

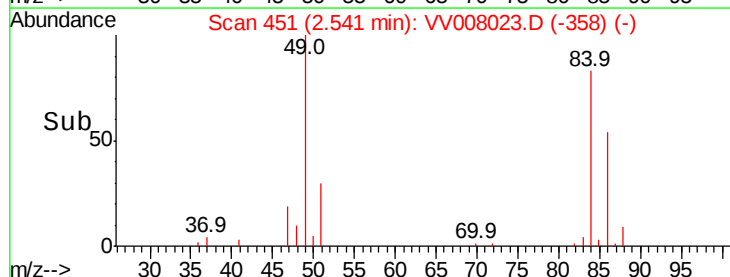
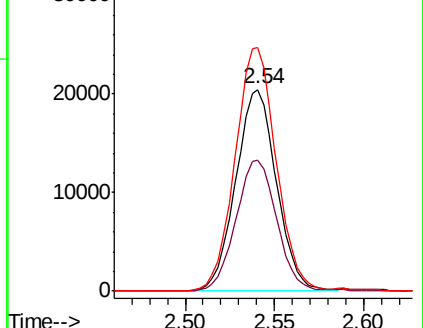
49 120.8 90.0 167.2

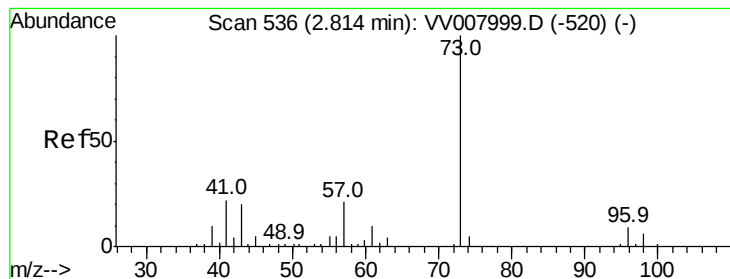


Abundance Ion 84.05 (83.75 to 84.75): VV007999.D (-438) (-)

Ion 86.00 (85.70 to 86.70): VV007999.D (-438) (-)

Ion 49.10 (48.80 to 49.80): VV007999.D (-438) (-)



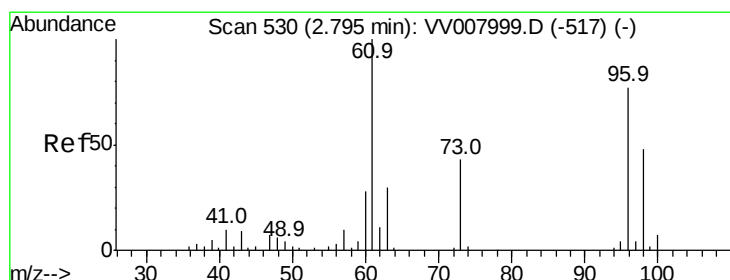
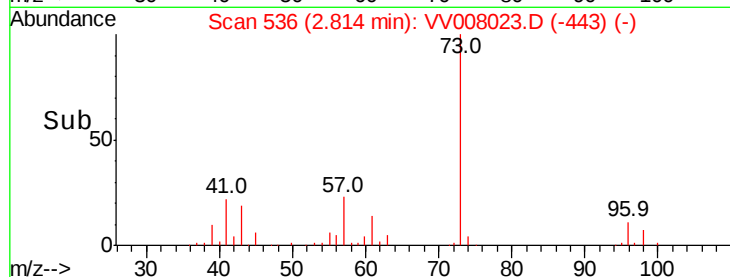
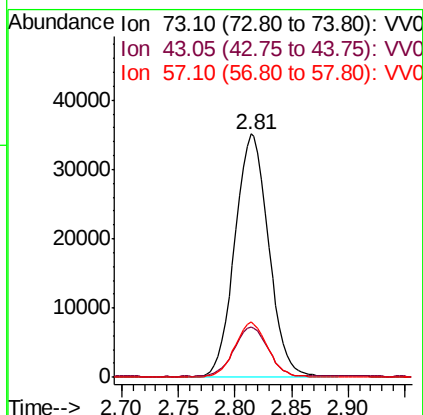
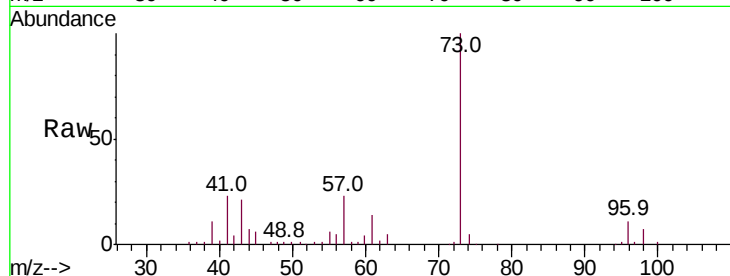


#17

Methvl tert-butvl Ether
 Concen: 5.063 ug/L
 RT: 2.81 min Scan# 536
 Delta R.T. 0.00 min
 Lab File: VV008023.D
 Acq: 02 Oct 2018 10:57

Instrument :
 MSVOA_V
 ClientSampleId :

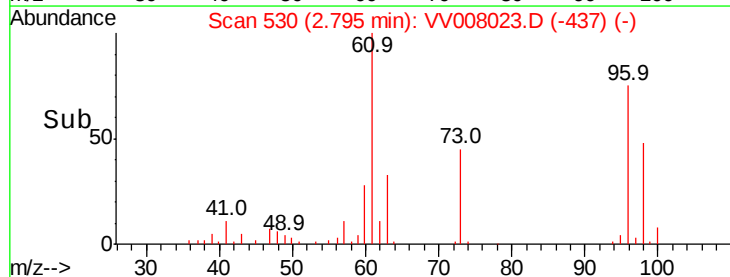
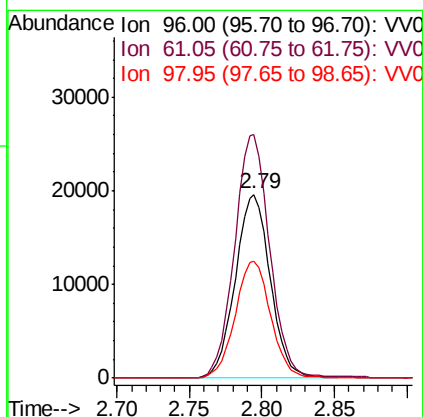
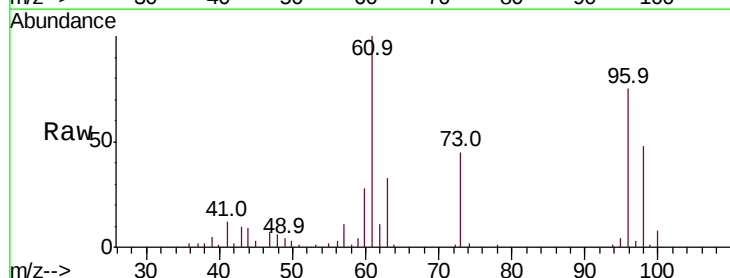
Tot Ion: 73 Resp: 73358
 Ion Ratio Lower Upper
 73 100
 43 20.2 16.8 25.2
 57 22.2 17.6 26.4

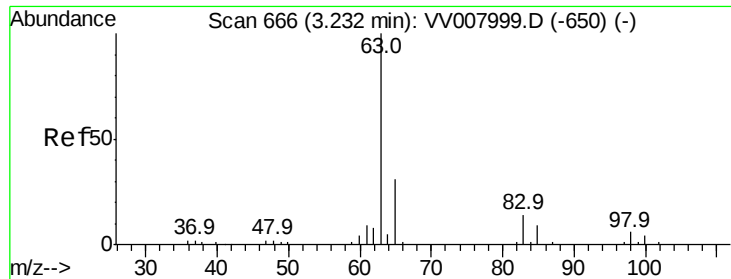


#18

trans-1,2-Dichloroethene
 Concen: 5.104 ug/L
 RT: 2.79 min Scan# 530
 Delta R.T. 0.00 min
 Lab File: VV008023.D
 Acq: 02 Oct 2018 10:57

Tgt Ion: 96 Resp: 32990
 Ion Ratio Lower Upper
 96 100
 61 132.5 94.2 175.0
 98 64.0 44.9 83.5

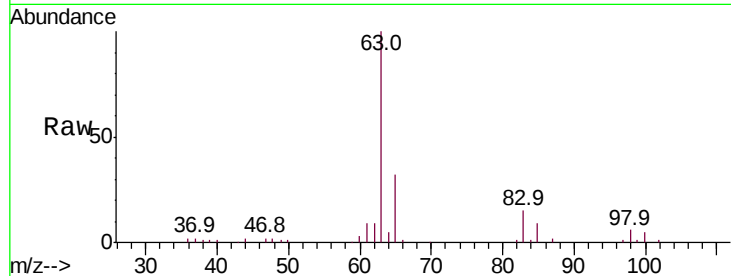




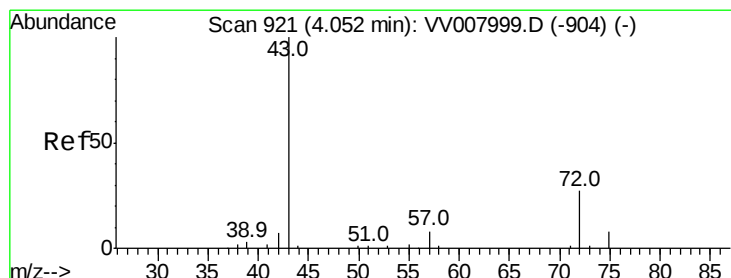
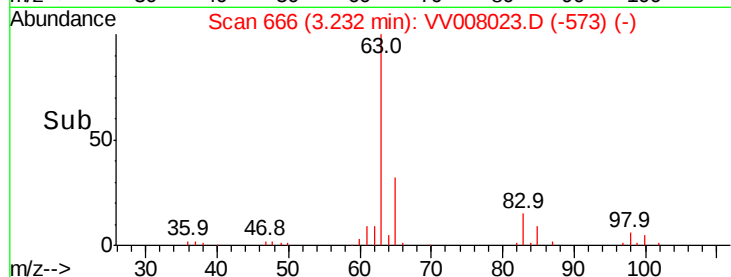
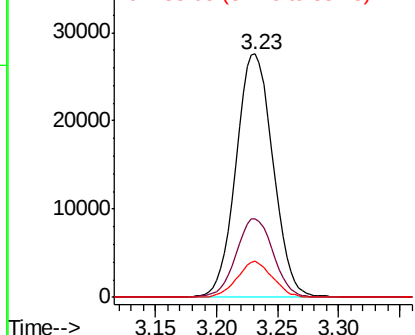
#19
 1,1-Dichloroethane
 Concen: 5.244 ug/L
 RT: 3.23 min Scan# 666
 Delta R.T. 0.00 min
 Lab File: VV008023.D
 Acq: 02 Oct 2018 10:57

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 63 Resp: 57839
 Ion Ratio Lower Upper
 63 100
 65 32.3 22.3 41.5
 83 14.7 9.8 18.2

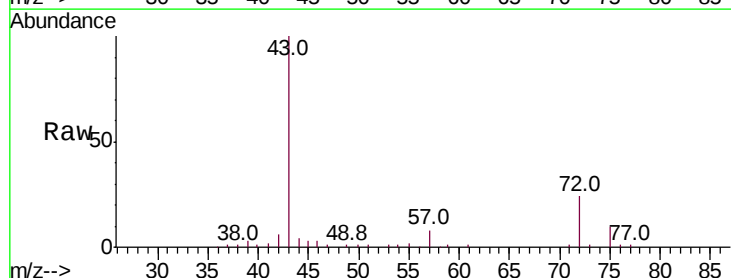


Abundance Ion 63.10 (62.80 to 63.80): VV0
 Ion 65.10 (64.80 to 65.80): VV0
 Ion 83.05 (82.75 to 83.75): VV0

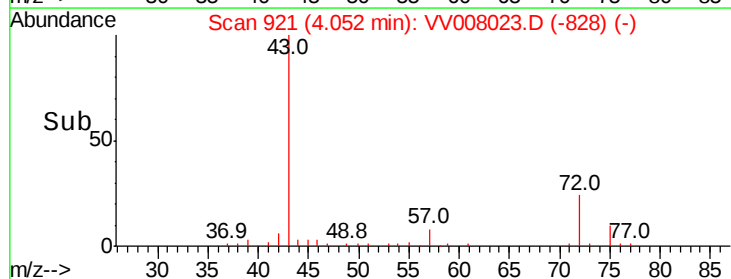
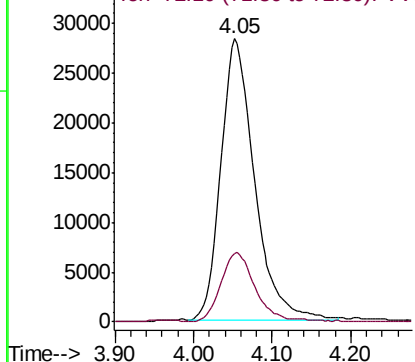


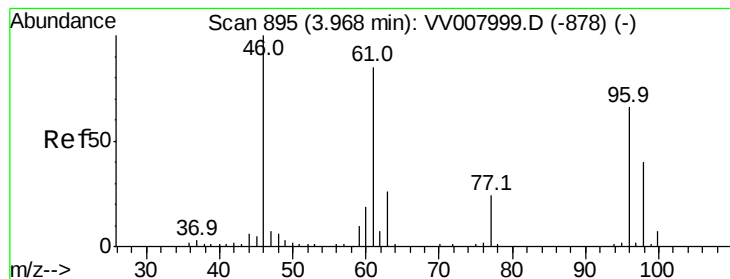
#21
 2-Butanone
 Concen: 50.326 ug/L
 RT: 4.05 min Scan# 921
 Delta R.T. 0.00 min
 Lab File: VV008023.D
 Acq: 02 Oct 2018 10:57

Tgt Ion: 43 Resp: 83563
 Ion Ratio Lower Upper
 43 100
 72 25.5 12.5 37.5



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



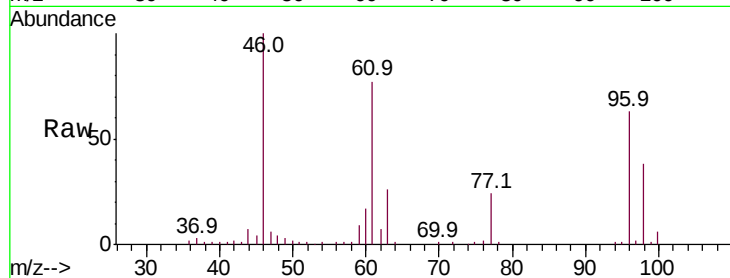


#22

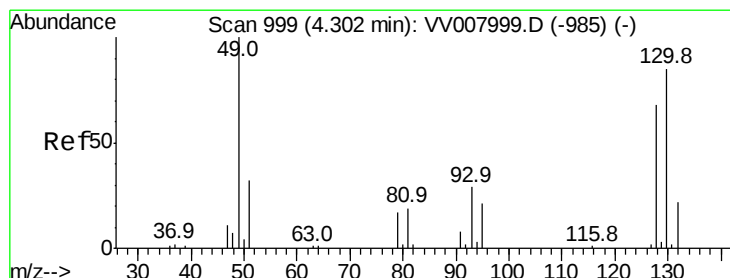
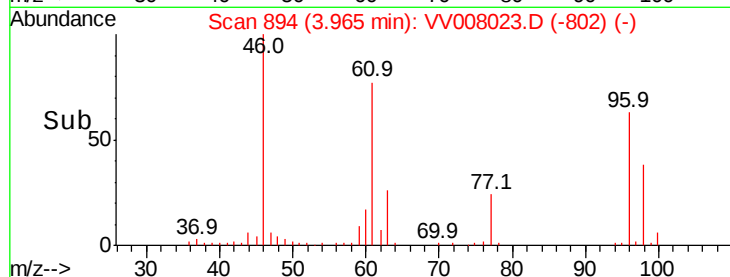
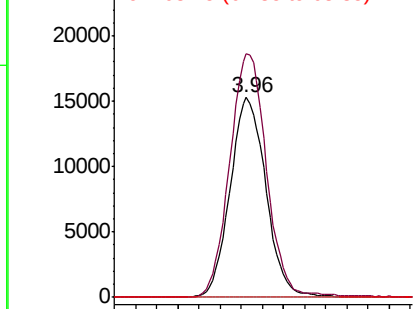
cis-1,2-Dichloroethene
Concen: 5.507 ug/L
RT: 3.96 min Scan# 894
Delta R.T. -0.00 min
Lab File: VV008023.D
Acq: 02 Oct 2018 10:57

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 96 Resp: 36040
Ion Ratio Lower Upper
96 100
61 122.1 89.5 166.1
68 0.0 0.0 0.0



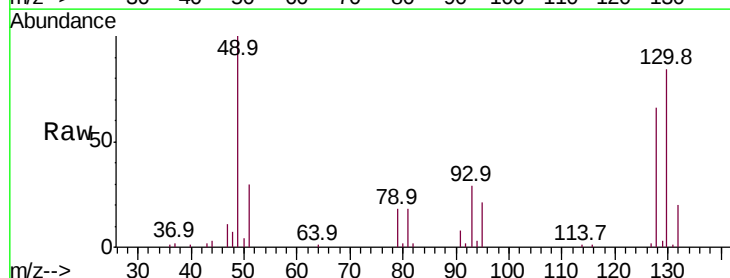
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 68.15 (67.85 to 68.85): VV0



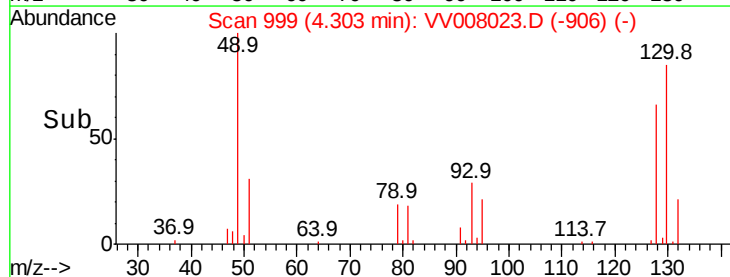
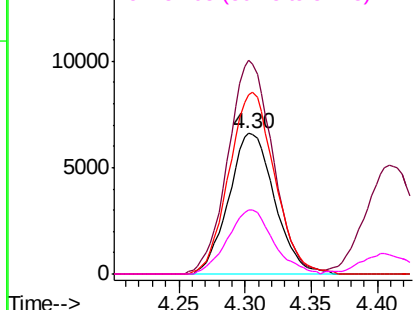
#23

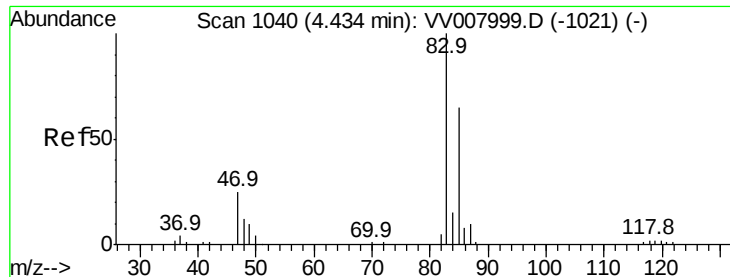
Bromochloromethane
Concen: 5.574 ug/L
RT: 4.30 min Scan# 999
Delta R.T. 0.00 min
Lab File: VV008023.D
Acq: 02 Oct 2018 10:57

Tgt Ion: 128 Resp: 15864
Ion Ratio Lower Upper
128 100
49 152.0 112.8 209.4
130 127.4 92.3 171.5
51 45.9 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

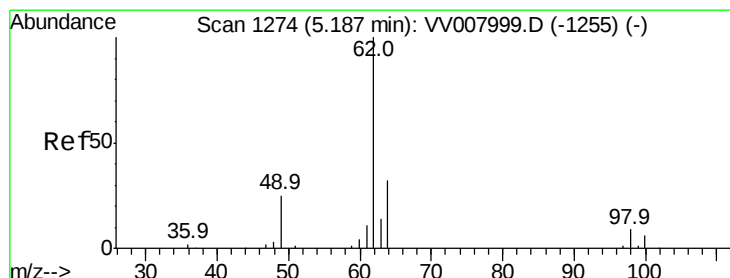
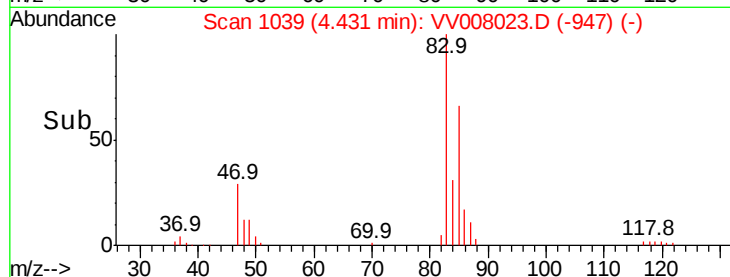
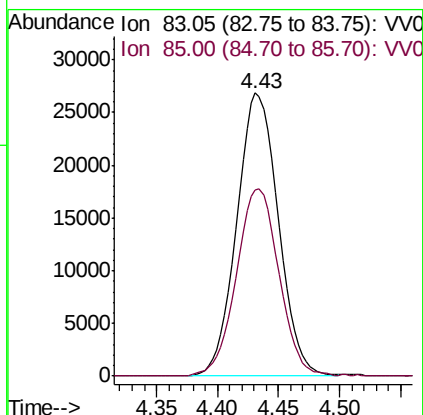
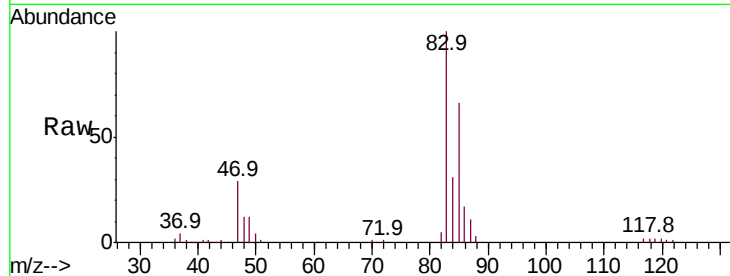




#25
Chloroform
Concen: 5.312 ug/L
RT: 4.43 min Scan# 1039
Delta R.T. -0.00 min
Lab File: VV008023.D
Acq: 02 Oct 2018 10:57

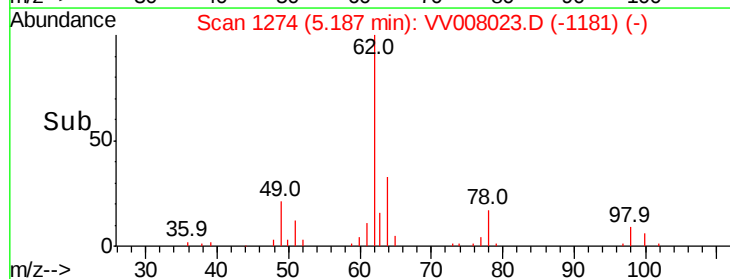
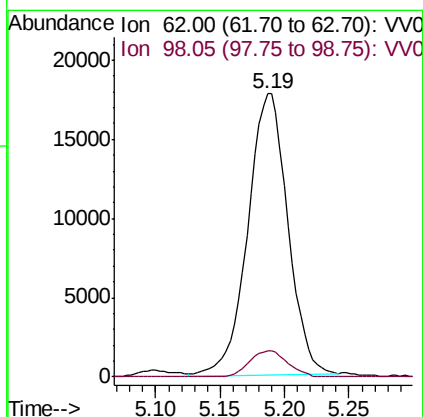
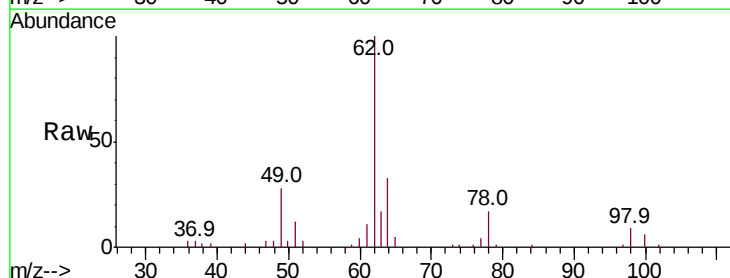
Instrument :
MSVOA_V
ClientSampled :

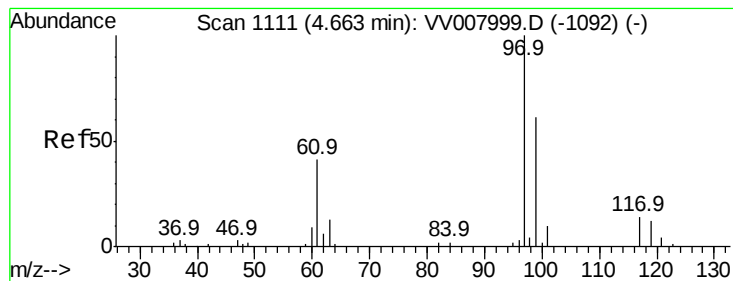
Tot Ion: 83 Resp: 63365
Ion Ratio Lower Upper
83 100
85 65.9 44.8 83.2



#27
1,2-Dichloroethane
Concen: 5.005 ug/L
RT: 5.19 min Scan# 1274
Delta R.T. 0.00 min
Lab File: VV008023.D
Acq: 02 Oct 2018 10:57

Tgt Ion: 62 Resp: 38417
Ion Ratio Lower Upper
62 100
98 9.3 6.6 10.0





#29

1,1,1-Trichloroethane

Concen: 5.491 ug/L

RT: 4.66 min Scan# 1110

Delta R.T. -0.00 min

Lab File: VV008023.D

Acq: 02 Oct 2018 10:57

Instrument :

MSVOA_V

ClientSampleId :

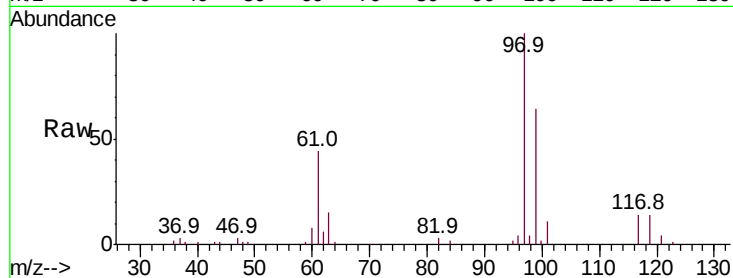
Tot Ion: 97 Resp: 56508

Ion Ratio Lower Upper

97 100

99 64.0 51.2 76.8

61 43.8 34.6 52.0

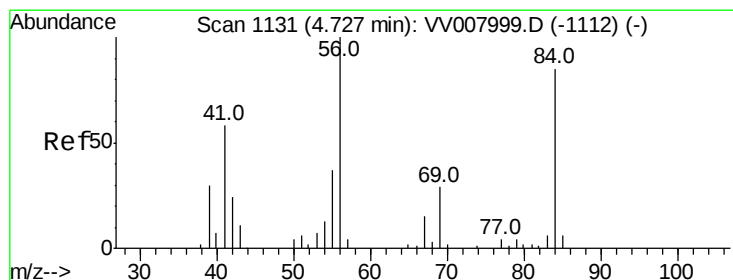
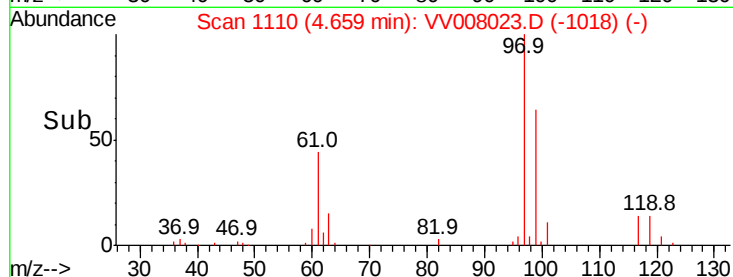
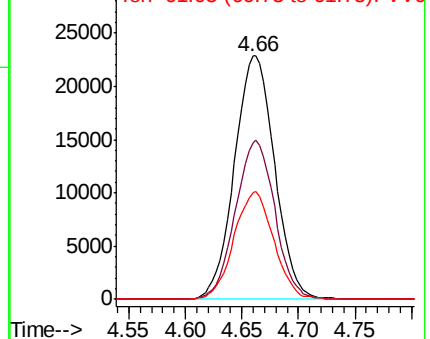


Abundance

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: 5.053 ug/L

RT: 4.72 min Scan# 1130

Delta R.T. -0.00 min

Lab File: VV008023.D

Acq: 02 Oct 2018 10:57

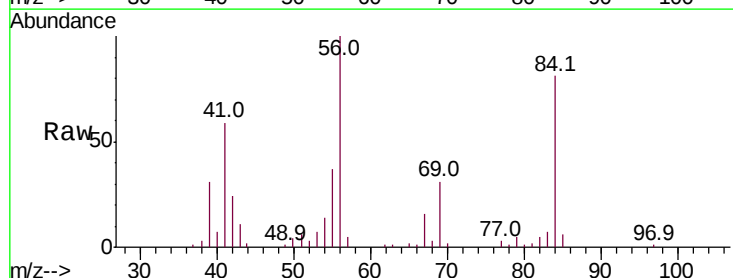
Tgt Ion: 56 Resp: 48885

Ion Ratio Lower Upper

56 100

69 30.4 24.2 36.4

84 87.2 69.8 104.8

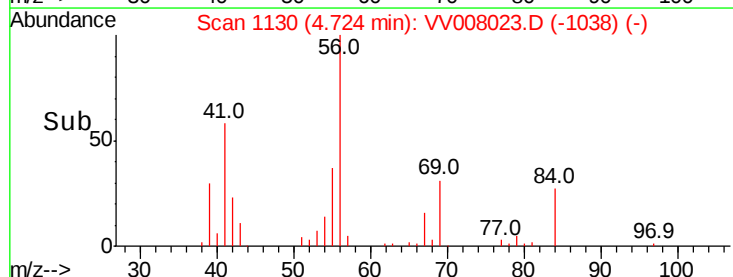
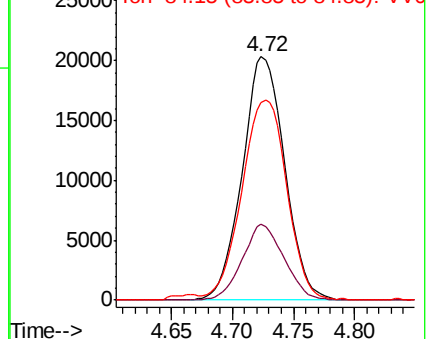


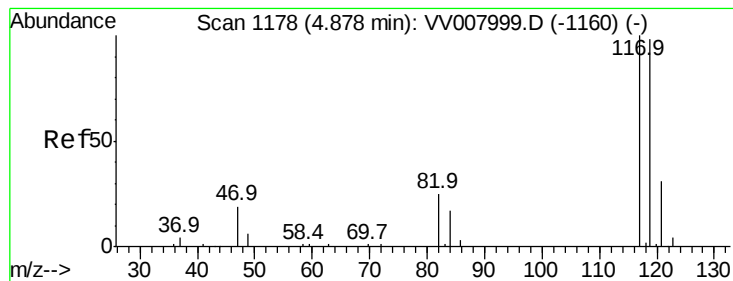
Abundance

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: 5.512 ug/L

RT: 4.88 min Scan# 1178

Delta R.T. 0.00 min

Lab File: VV008023.D

Acq: 02 Oct 2018 10:57

Instrument :

MSVOA_V

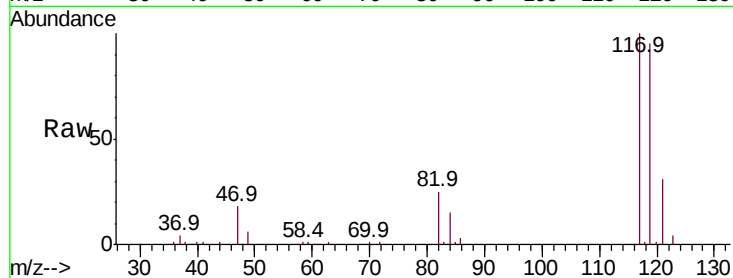
ClientSampleId :

Tot Ion:117 Resp: 50007

Ion Ratio Lower Upper

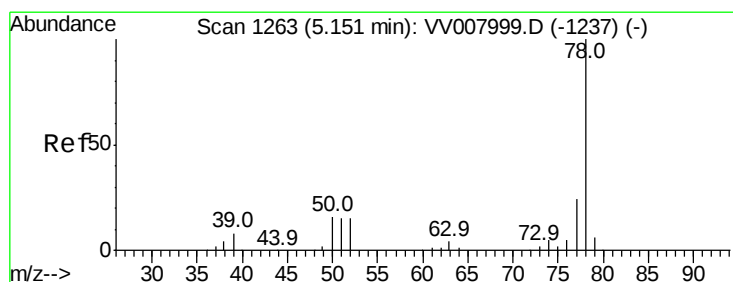
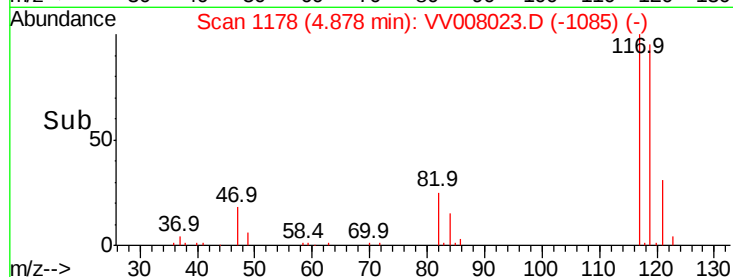
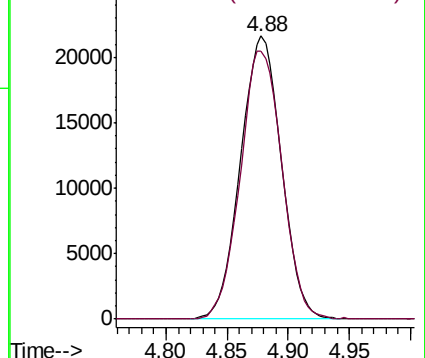
117 100

119 96.8 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: 5.387 ug/L

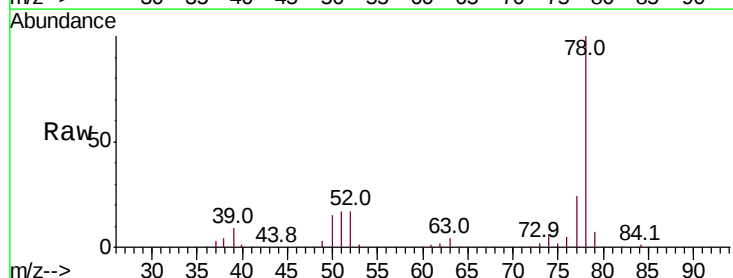
RT: 5.15 min Scan# 1263

Delta R.T. 0.00 min

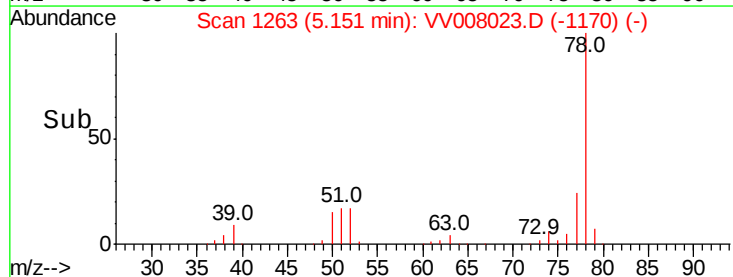
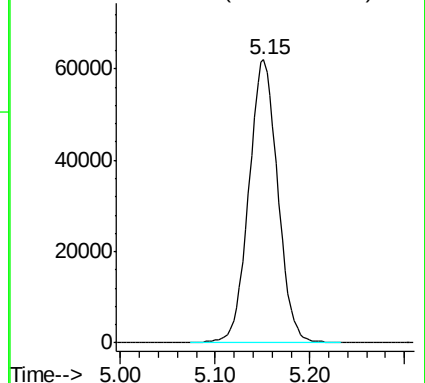
Lab File: VV008023.D

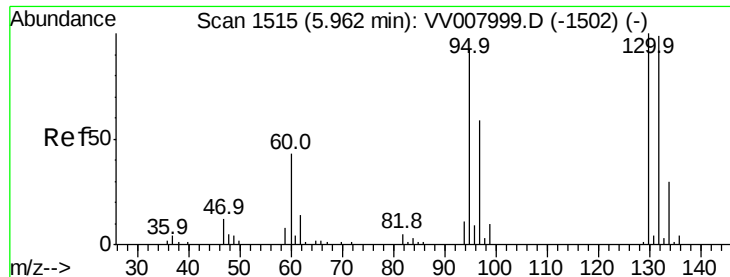
Acq: 02 Oct 2018 10:57

Tgt Ion: 78 Resp: 132015



Abundance Ion 78.10 (77.80 to 78.80): VV0

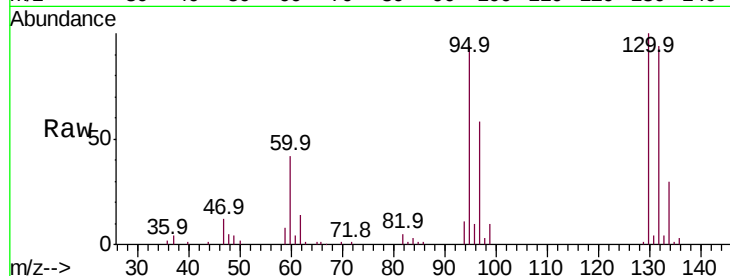




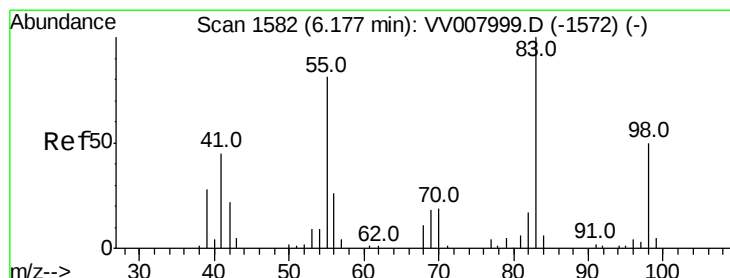
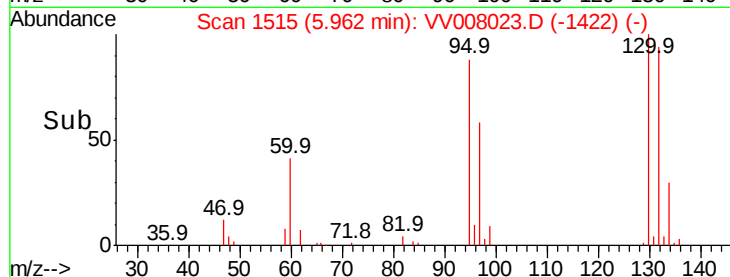
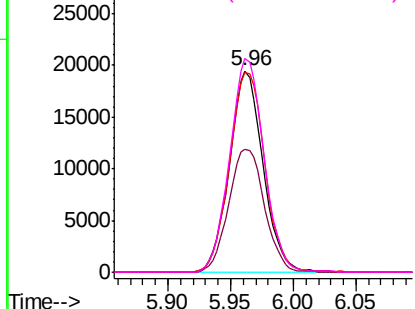
#34
 Trichloroethene
 Concen: 5.162 ug/L
 RT: 5.96 min Scan# 1515
 Delta R.T. 0.00 min
 Lab File: VV008023.D
 Acq: 02 Oct 2018 10:57

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 95 Resp: 36225
 Ion Ratio Lower Upper
 95 100
 97 61.3 43.6 81.0
 132 99.4 69.9 129.9
 130 106.0 71.7 133.3

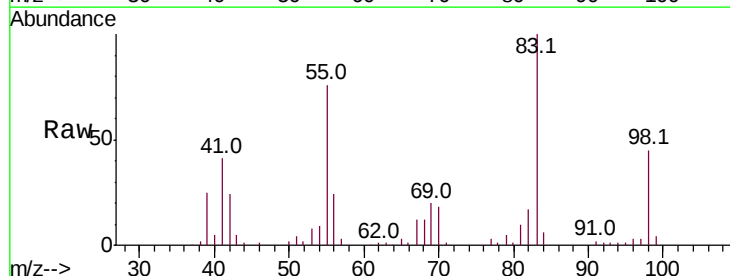


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 96.95 (96.65 to 97.65): VV0
 Ion 131.95 (131.65 to 132.65): VV0
 Ion 129.95 (129.65 to 130.65): VV0

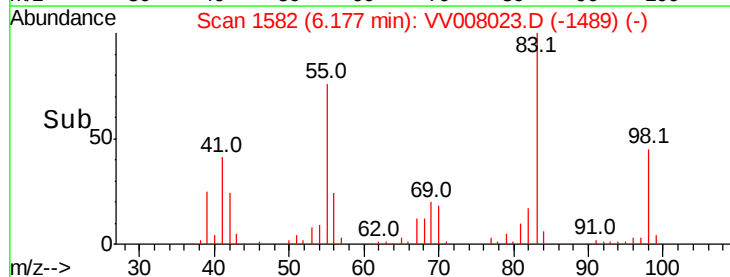
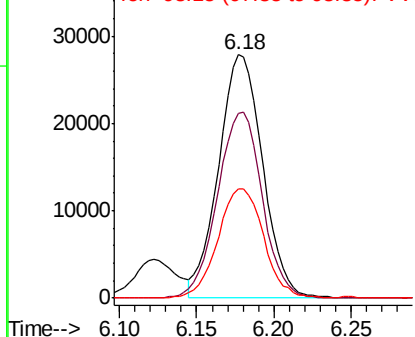


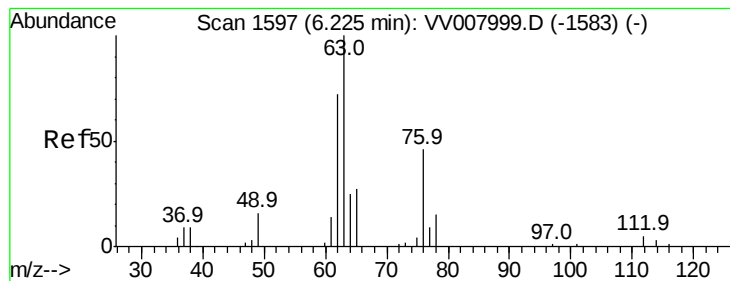
#35
 Methylcyclohexane
 Concen: 5.237 ug/L
 RT: 6.18 min Scan# 1582
 Delta R.T. 0.00 min
 Lab File: VV008023.D
 Acq: 02 Oct 2018 10:57

Tgt Ion: 83 Resp: 55103
 Ion Ratio Lower Upper
 83 100
 55 77.6 62.2 93.2
 98 46.7 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: 5.570 ug/L

RT: 6.23 min Scan# 1597

Delta R.T. 0.00 min

Lab File: VV008023.D

Acq: 02 Oct 2018 10:57

Instrument :

MSVOA_V

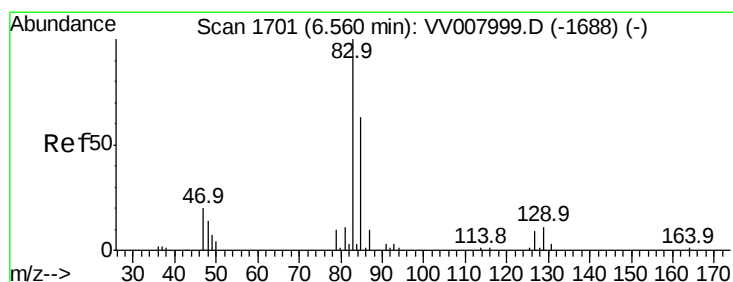
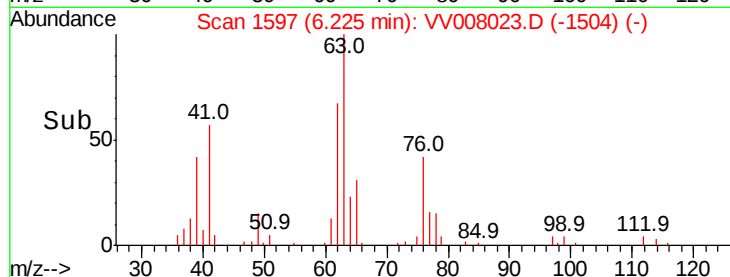
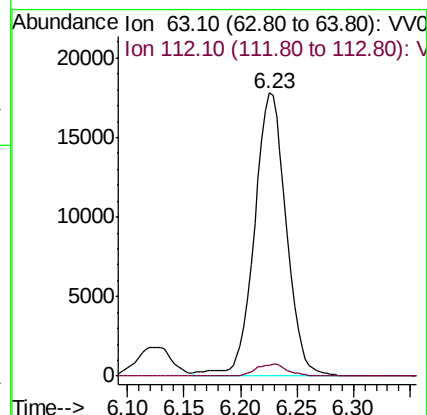
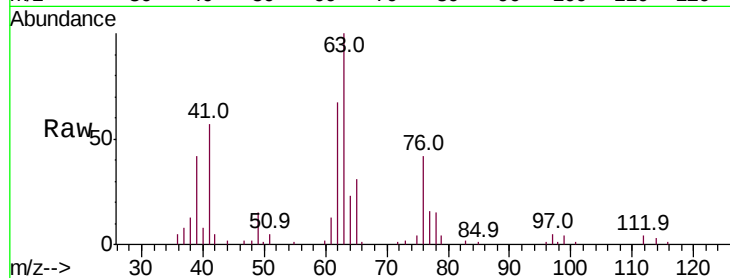
ClientSampleId :

Tot Ion: 63 Resp: 34871

Ion Ratio Lower Upper

63 100

112 4.2 3.4 5.0



#38

Bromodichloromethane

Concen: 5.406 ug/L

RT: 6.56 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VV008023.D

Acq: 02 Oct 2018 10:57

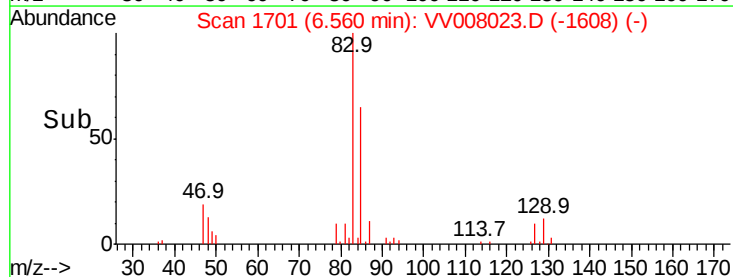
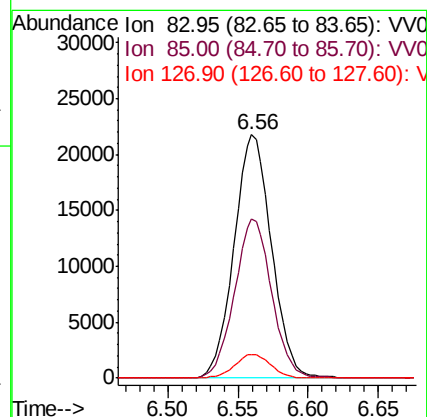
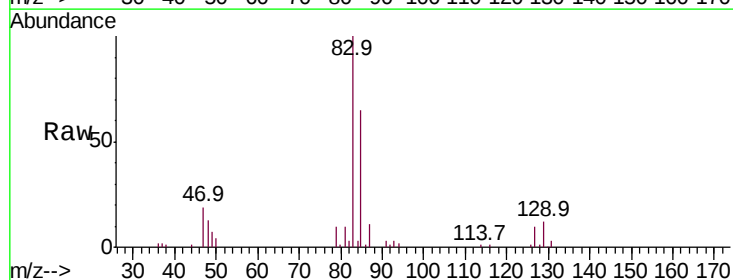
Tgt Ion: 83 Resp: 40468

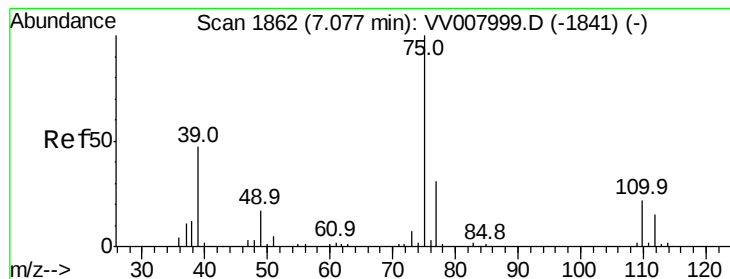
Ion Ratio Lower Upper

83 100

85 65.4 44.7 82.9

127 9.8 7.8 11.6



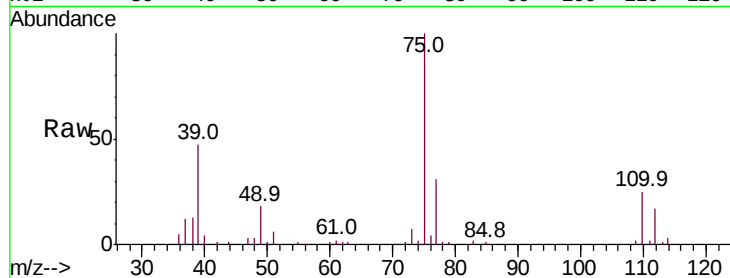


#39

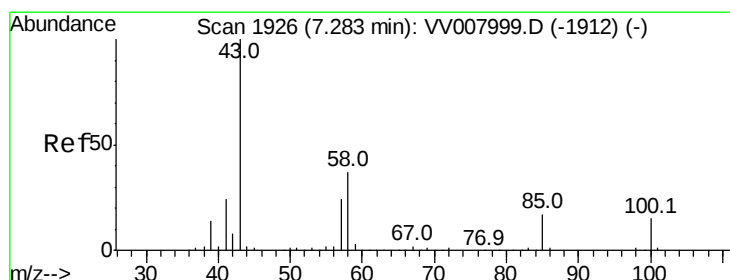
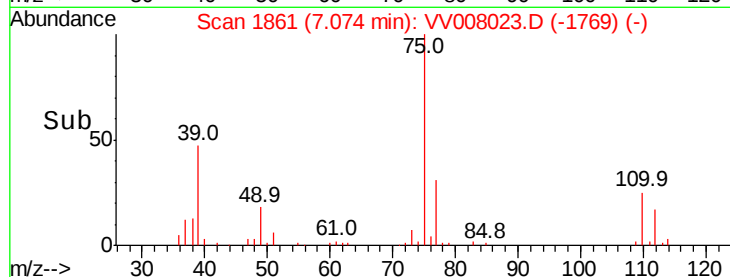
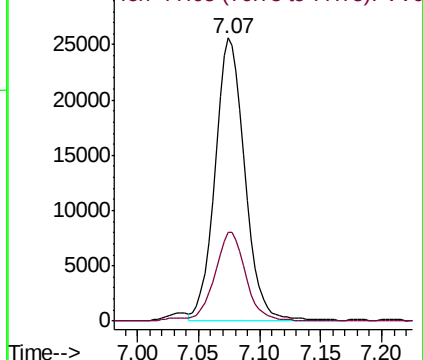
cis-1,3-Dichloropropene
Concen: 5.260 ug/L
RT: 7.07 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VV008023.D
Acq: 02 Oct 2018 10:57

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 75 Resp: 44053
Ion Ratio Lower Upper
75 100
77 31.3 22.9 42.5



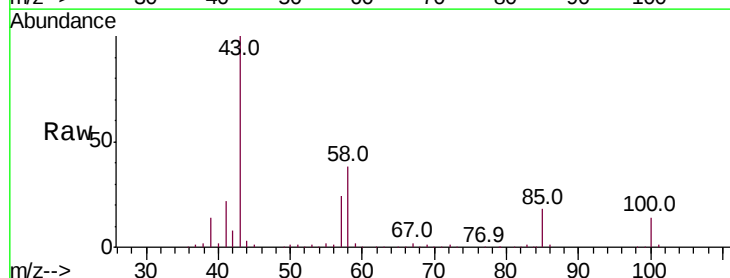
Abundance Ion 75.05 (74.75 to 75.75): VV007999.D (-1841) (-)
Ion 77.05 (76.75 to 77.75): VV007999.D (-1841) (-)



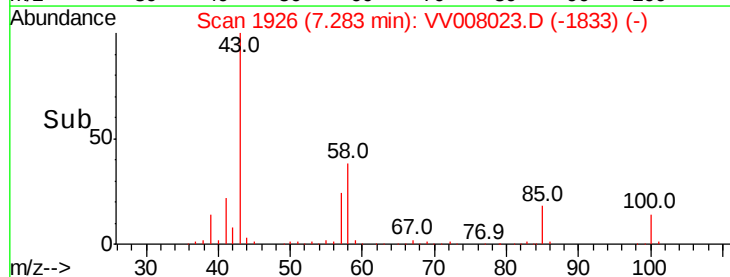
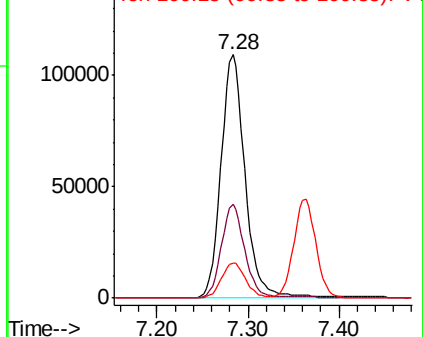
#40

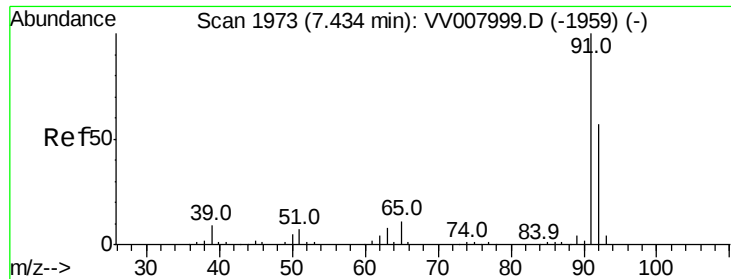
4-Methyl-2-pentanone
Concen: 51.235 ug/L
RT: 7.28 min Scan# 1926
Delta R.T. 0.00 min
Lab File: VV008023.D
Acq: 02 Oct 2018 10:57

Tgt Ion: 43 Resp: 201329
Ion Ratio Lower Upper
43 100
58 37.3 29.4 44.0
100 14.4 11.5 17.3



Abundance Ion 43.05 (42.75 to 43.75): VV007999.D (-1912) (-)
Ion 58.05 (57.75 to 58.75): VV007999.D (-1912) (-)
Ion 100.15 (99.85 to 100.85): VV007999.D (-1912) (-)





#42

Toluene

Concen: 5.519 ug/L

RT: 7.43 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VV008023.D

Acq: 02 Oct 2018 10:57

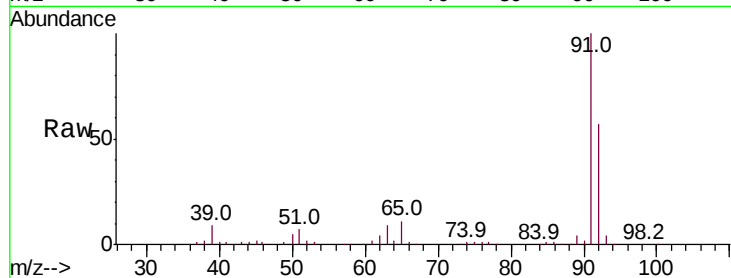
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 147298

Ion Ratio Lower Upper

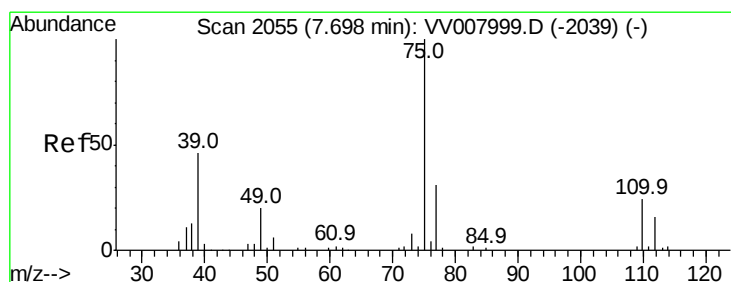
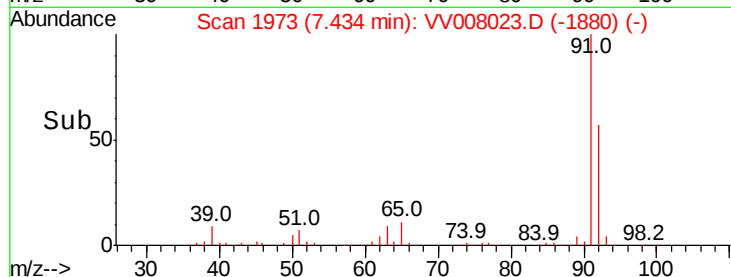
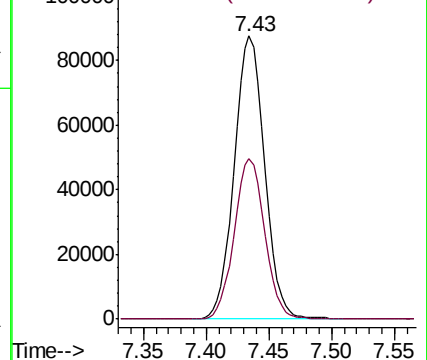
91 100

92 56.8 40.8 75.8



Abundance Ion 91.15 (90.85 to 91.85): VV007999.D (-1959) (-)

Ion 92.15 (91.85 to 92.85): VV007999.D (-1959) (-)



#44

trans-1,3-Dichloropropene

Concen: 5.375 ug/L

RT: 7.70 min Scan# 2055

Delta R.T. 0.00 min

Lab File: VV008023.D

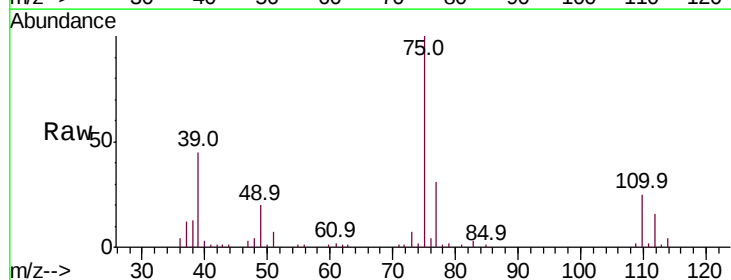
Acq: 02 Oct 2018 10:57

Tgt Ion: 75 Resp: 37416

Ion Ratio Lower Upper

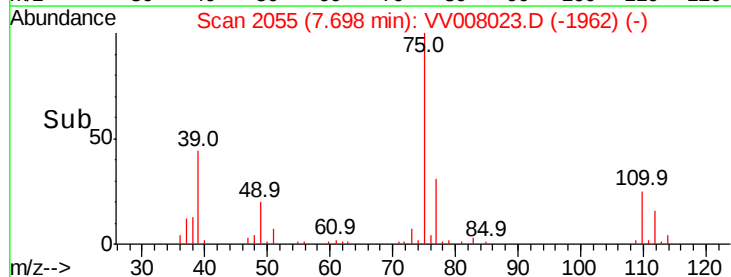
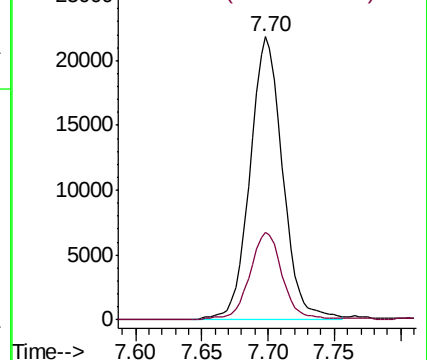
75 100

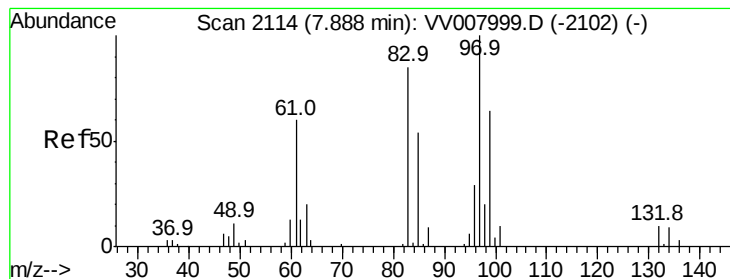
77 30.7 22.3 41.5



Abundance Ion 75.05 (74.75 to 75.75): VV007999.D (-2039) (-)

Ion 77.05 (76.75 to 77.75): VV007999.D (-2039) (-)





#45

1,1,2-Trichloroethane

Concen: 5.359 ug/L

RT: 7.89 min Scan# 2114

Delta R.T. 0.00 min

Lab File: VV008023.D

Acq: 02 Oct 2018 10:57

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 97 Resp: 24215

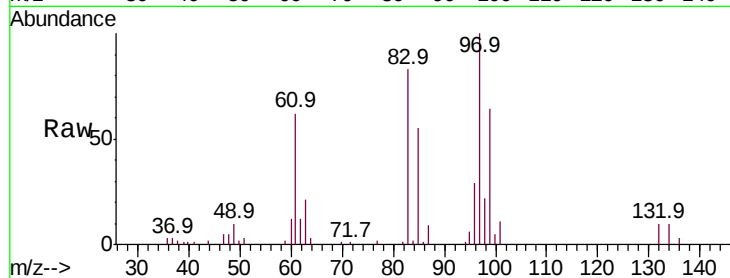
Ion Ratio Lower Upper

97 100

99 63.7 43.5 80.9

83 83.0 59.7 110.9

85 54.6 39.5 73.3

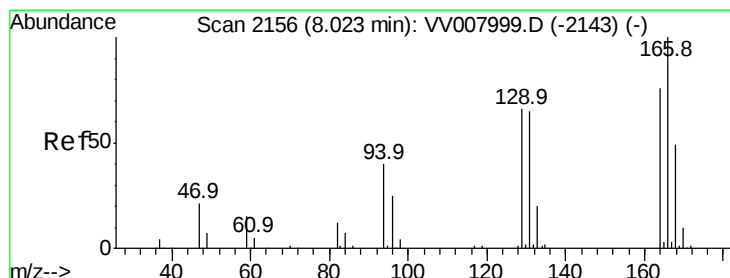
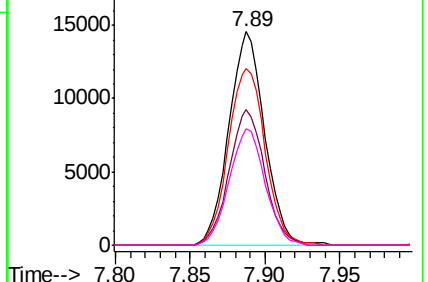
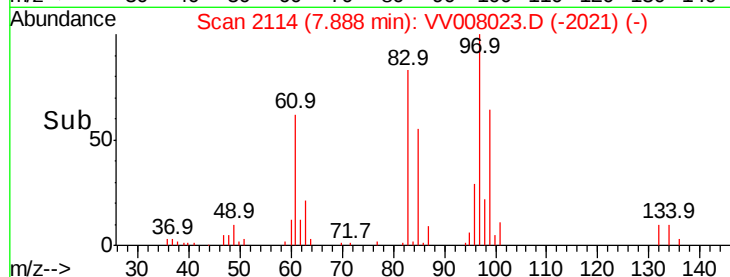


Abundance Ion 96.95 (96.65 to 97.65): VV007999.D (-2102) (-)

Ion 99.05 (98.75 to 99.75): VV007999.D (-2102) (-)

Ion 82.95 (82.65 to 83.65): VV007999.D (-2102) (-)

Ion 85.00 (84.70 to 85.70): VV007999.D (-2102) (-)



#47

Tetrachloroethene

Concen: 5.368 ug/L

RT: 8.02 min Scan# 2155

Delta R.T. -0.00 min

Lab File: VV008023.D

Acq: 02 Oct 2018 10:57

Tgt Ion: 164 Resp: 34905

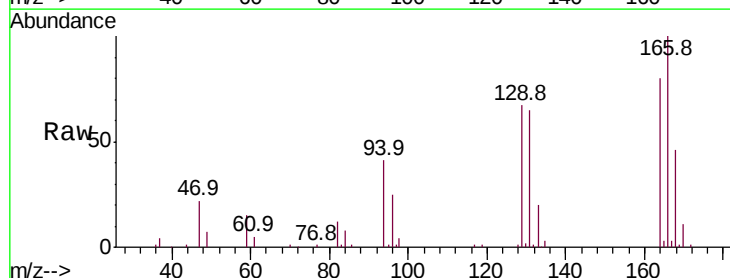
Ion Ratio Lower Upper

164 100

129 83.8 59.2 110.0

131 81.3 57.1 106.1

166 125.2 88.6 164.6

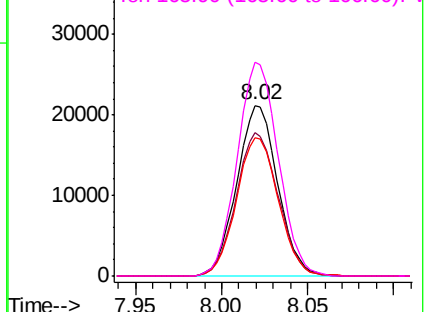
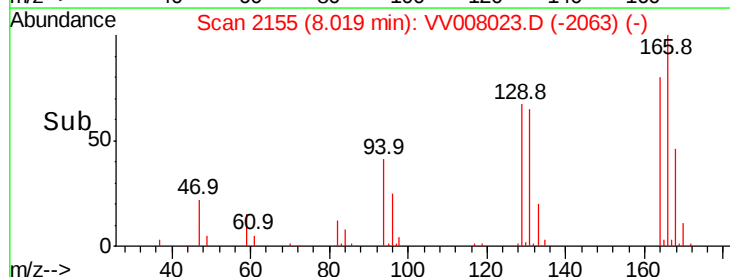


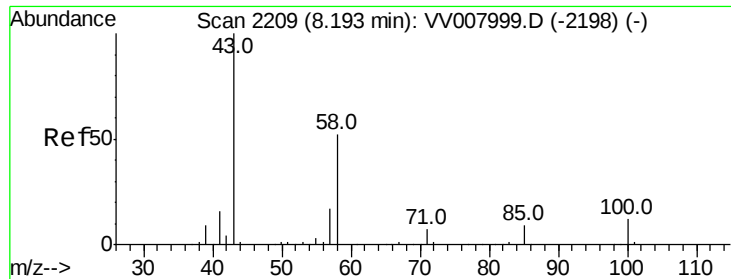
Abundance Ion 163.90 (163.60 to 164.60): VV007999.D (-2143) (-)

Ion 128.95 (128.65 to 129.65): VV007999.D (-2143) (-)

Ion 130.95 (130.65 to 131.65): VV007999.D (-2143) (-)

Ion 165.90 (165.60 to 166.60): VV007999.D (-2143) (-)

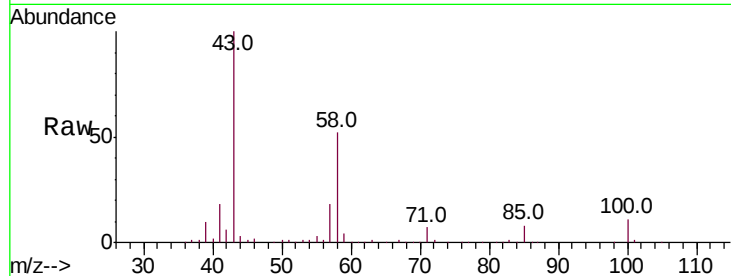




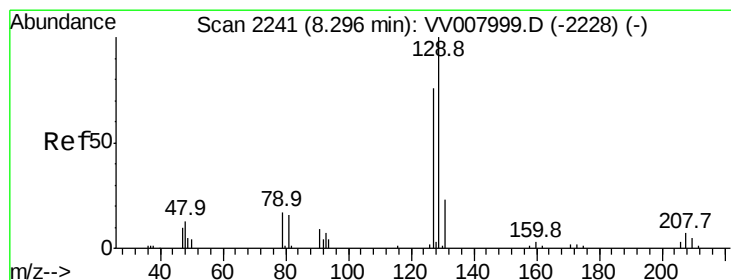
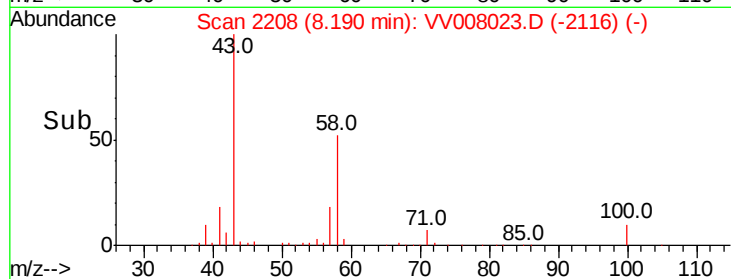
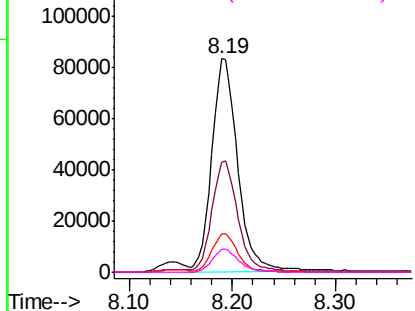
#48
2-Hexanone
Concen: 52.986 ug/L
RT: 8.19 min Scan# 2208
Delta R.T. -0.00 min
Lab File: VV008023.D
Acq: 02 Oct 2018 10:57

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 144812
Ion Ratio Lower Upper
43 100
58 53.0 41.9 62.9
57 17.9 14.3 21.5
100 11.4 9.2 13.8

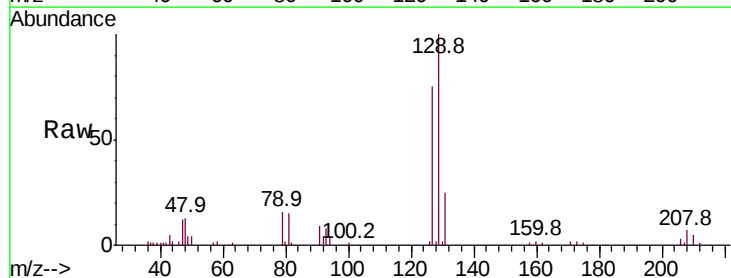


Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0

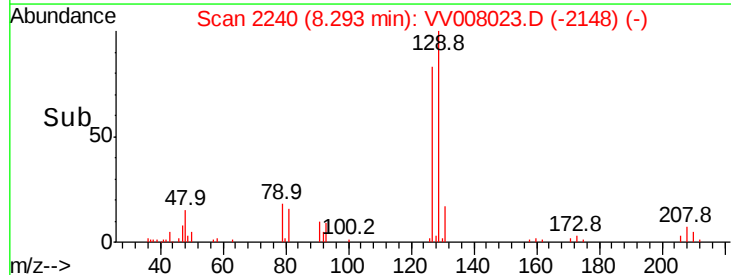
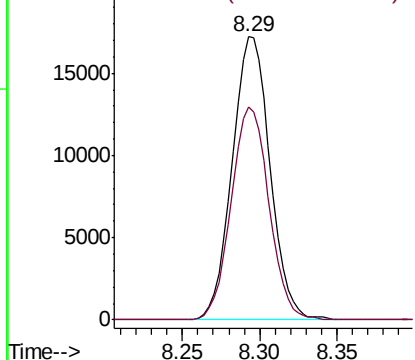


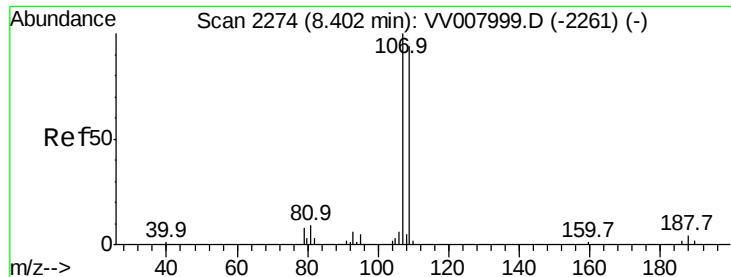
#49
Dibromochloromethane
Concen: 5.677 ug/L
RT: 8.29 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VV008023.D
Acq: 02 Oct 2018 10:57

Tgt Ion: 129 Resp: 29278
Ion Ratio Lower Upper
129 100
127 75.4 53.1 98.5



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

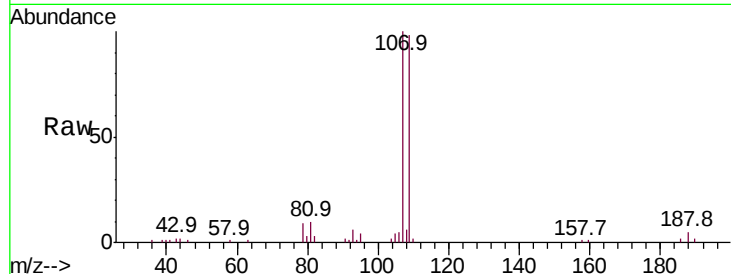




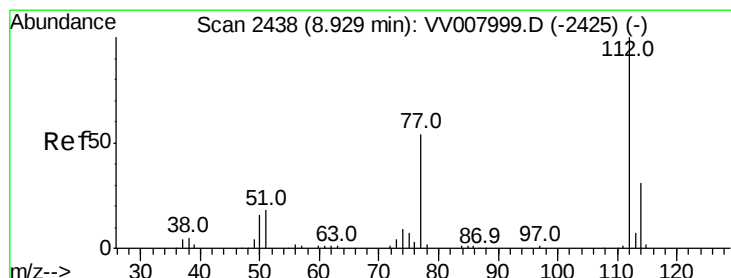
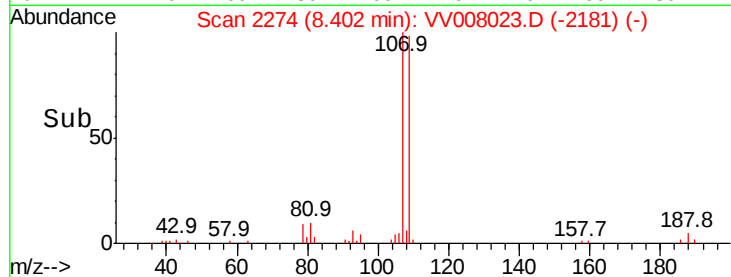
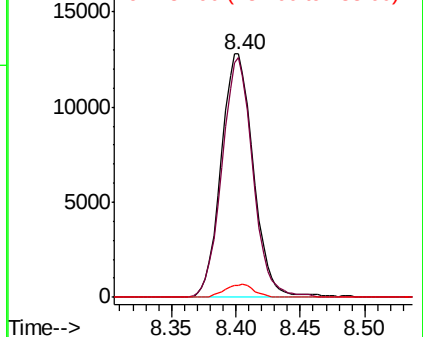
#50
1,2-Dibromoethane
Concen: 5.379 ug/L
RT: 8.40 min Scan# 2274
Delta R.T. 0.00 min
Lab File: VV008023.D
Acq: 02 Oct 2018 10:57

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
107	100		
109	98.3	64.9	120.5
188	4.9	4.0	6.0

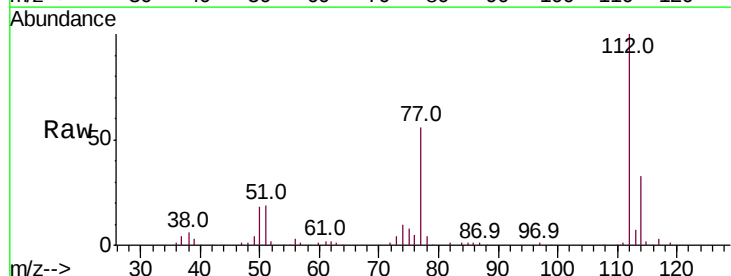


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

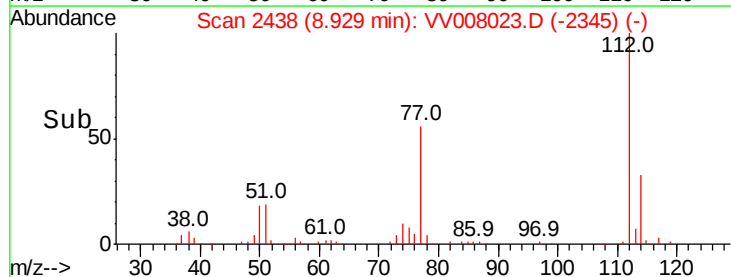
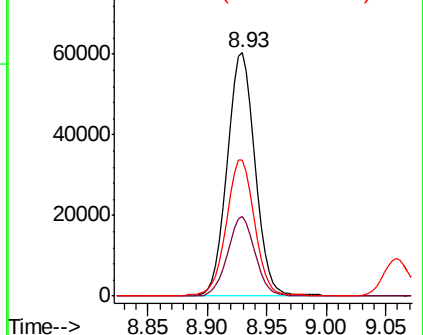


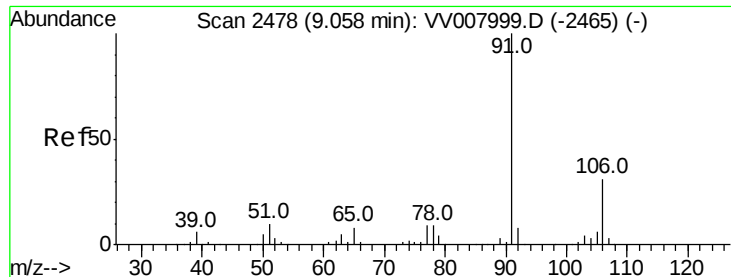
#51
Chlorobenzene
Concen: 5.327 ug/L
RT: 8.93 min Scan# 2438
Delta R.T. 0.00 min
Lab File: VV008023.D
Acq: 02 Oct 2018 10:57

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.6	22.4	41.6
77	56.1	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): V

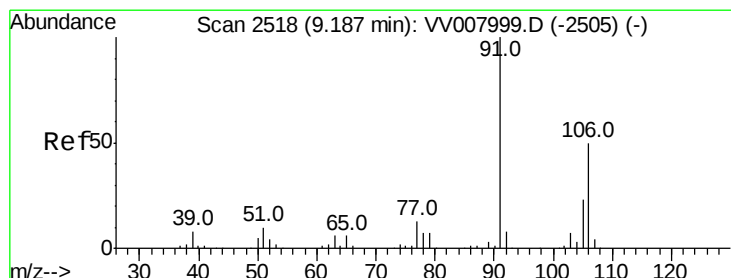
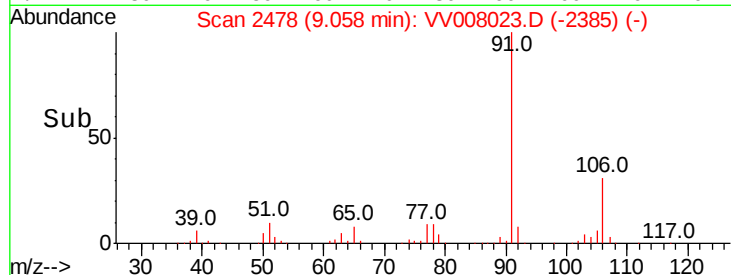
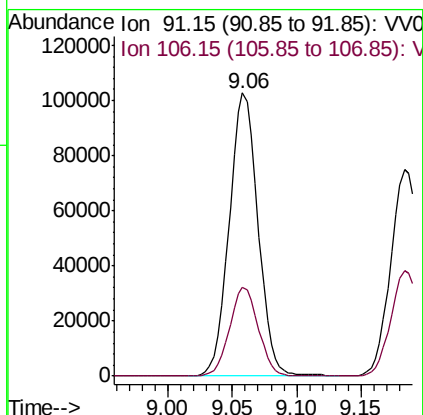
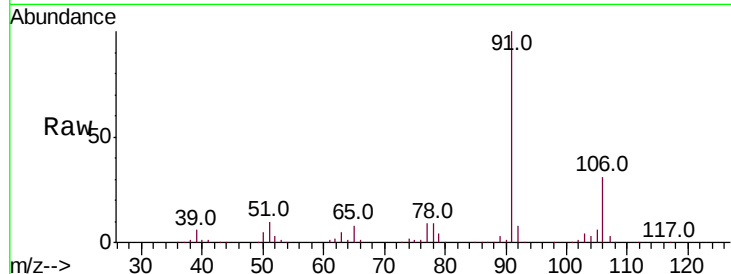




#52
Ethylbenzene
Concen: 5.342 ug/L
RT: 9.06 min Scan# 2478
Delta R.T. 0.00 min
Lab File: VV008023.D
Acq: 02 Oct 2018 10:57

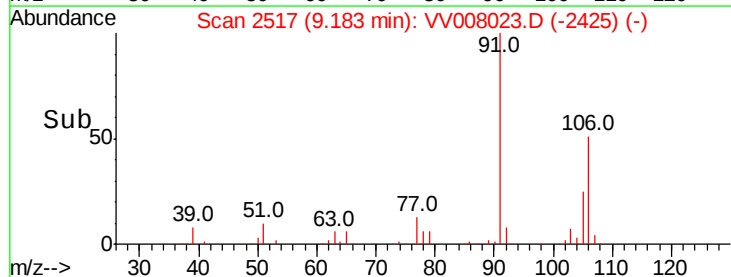
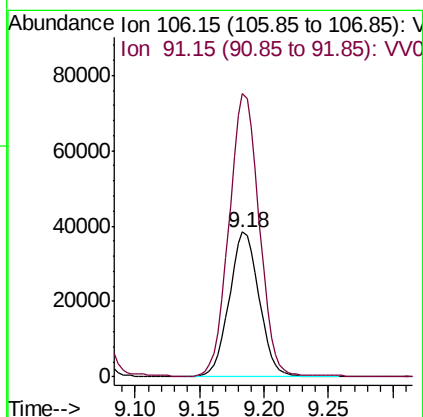
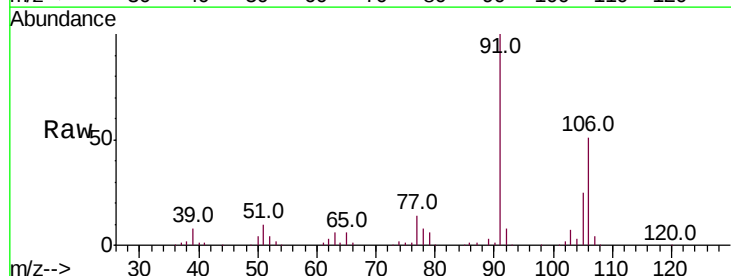
Instrument :
MSVOA_V
ClientSampled :

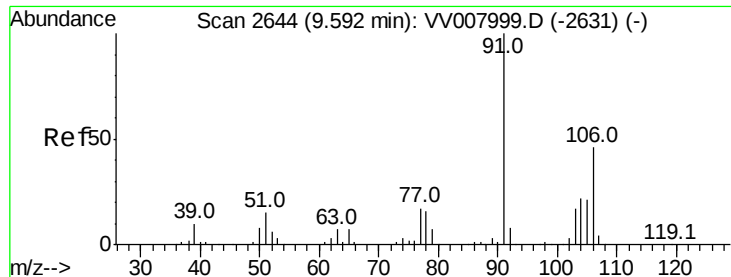
Tot Ion: 91 Resp: 159050
Ion Ratio Lower Upper
91 100
106 31.3 21.7 40.3



#53
m,p-xylene
Concen: 5.405 ug/L
RT: 9.18 min Scan# 2517
Delta R.T. -0.00 min
Lab File: VV008023.D
Acq: 02 Oct 2018 10:57

Tgt Ion: 106 Resp: 61282
Ion Ratio Lower Upper
106 100
91 195.7 139.4 258.8

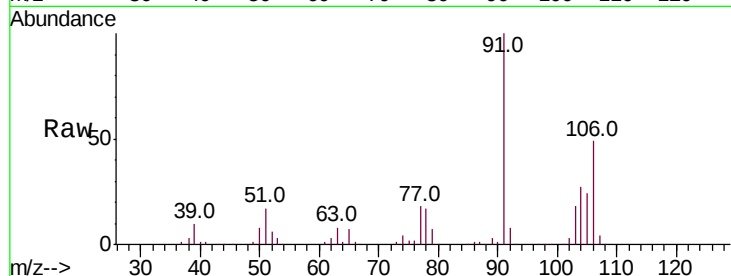




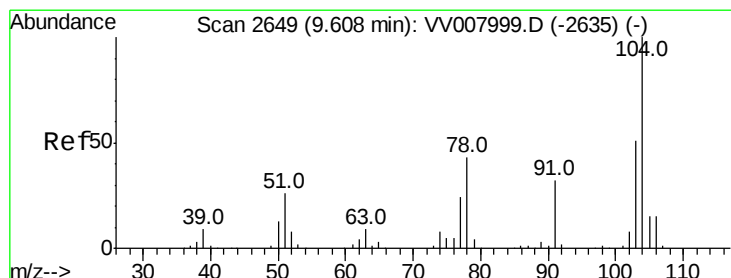
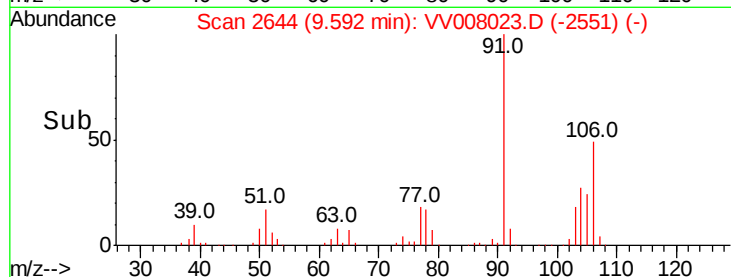
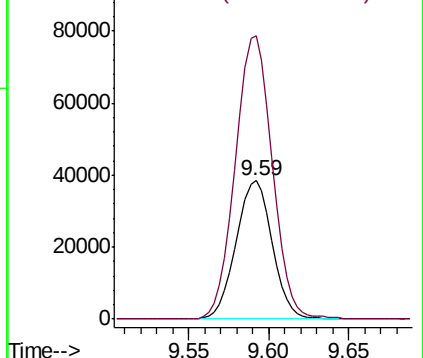
#54
o-xylene
Concen: 5.411 ug/L
RT: 9.59 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VV008023.D
Acq: 02 Oct 2018 10:57

Instrument :
MSVOA_V
ClientSampled :

Tot Ion:106 Resp: 59256
Ion Ratio Lower Upper
106 100
91 204.7 150.1 278.9

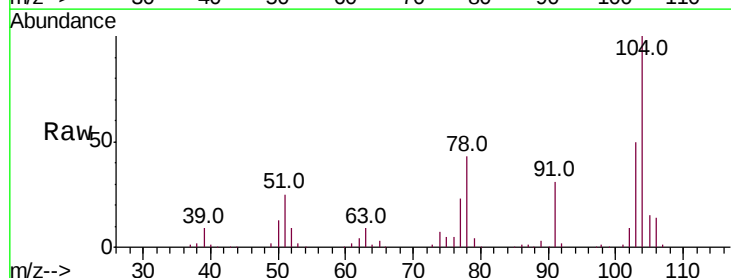


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VV0

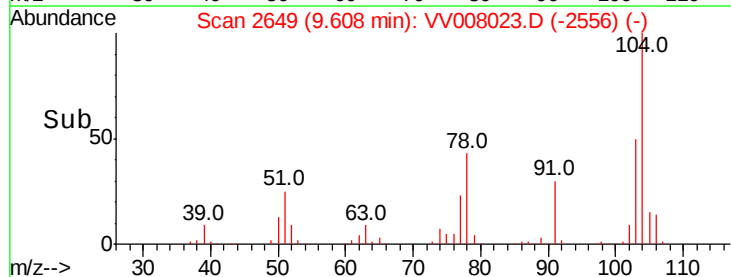
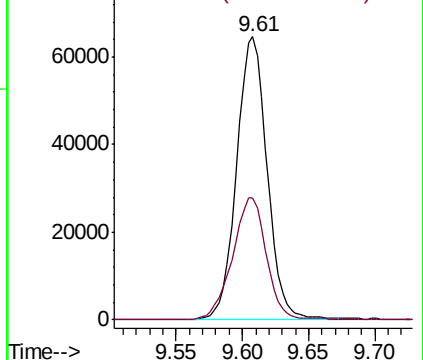


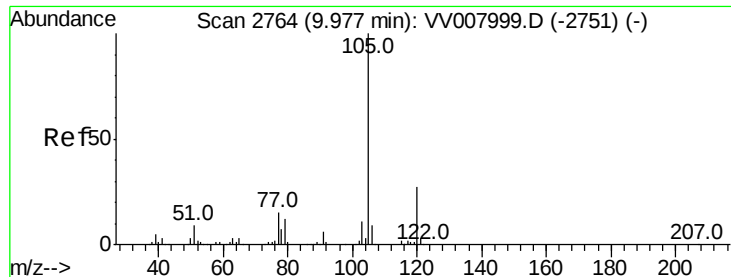
#55
Styrene
Concen: 5.527 ug/L
RT: 9.61 min Scan# 2649
Delta R.T. 0.00 min
Lab File: VV008023.D
Acq: 02 Oct 2018 10:57

Tgt Ion:104 Resp: 103366
Ion Ratio Lower Upper
104 100
78 43.1 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: 5.428 ug/L

RT: 9.98 min Scan# 2764

Delta R.T. 0.00 min

Lab File: VV008023.D

Acq: 02 Oct 2018 10:57

Instrument :

MSVOA_V

ClientSampled :

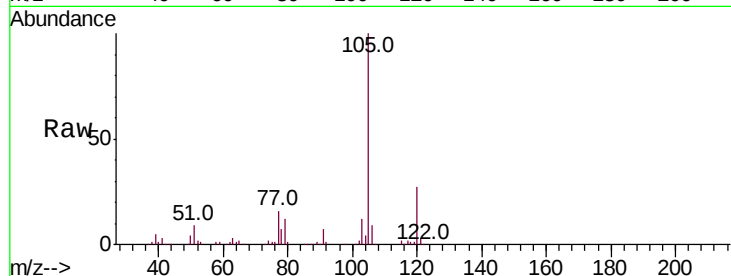
Tot Ion:105 Resp: 160989

Ion Ratio Lower Upper

105 100

120 27.2 21.4 32.0

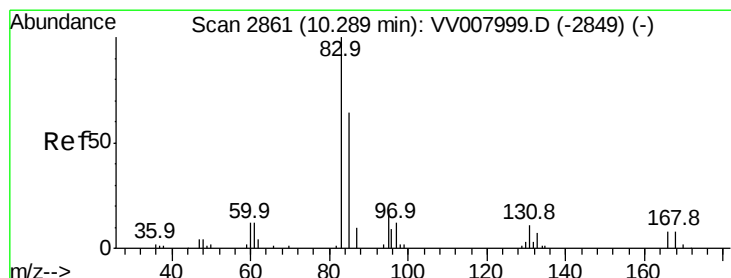
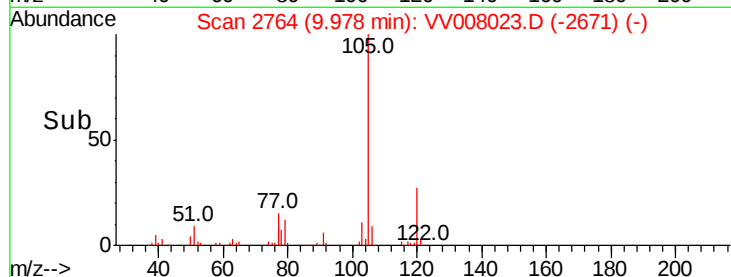
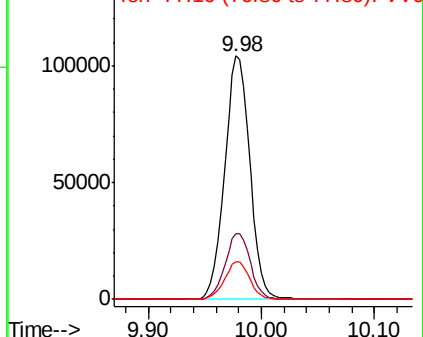
77 15.5 12.7 19.1



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: 5.167 ug/L

RT: 10.29 min Scan# 2861

Delta R.T. 0.00 min

Lab File: VV008023.D

Acq: 02 Oct 2018 10:57

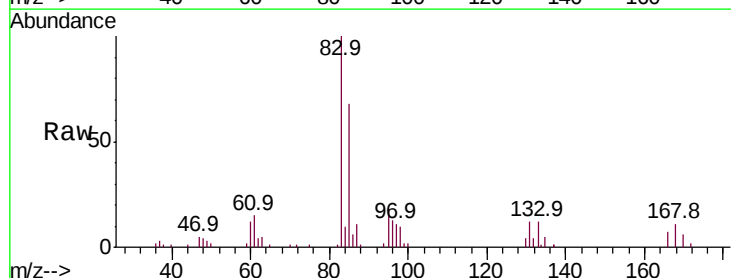
Tgt Ion: 83 Resp: 27421

Ion Ratio Lower Upper

83 100

85 68.4 43.7 81.1

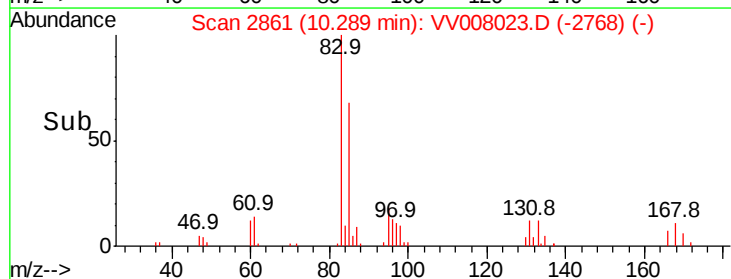
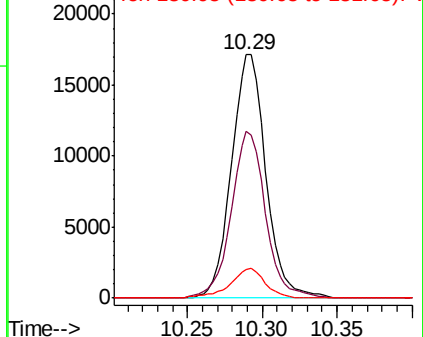
131 11.9 9.0 13.4

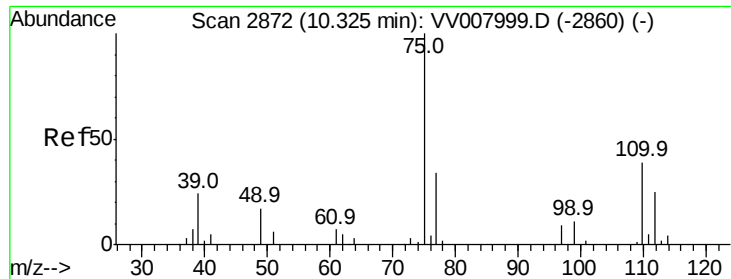


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V

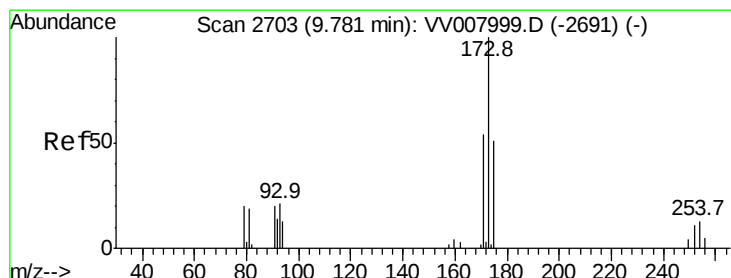
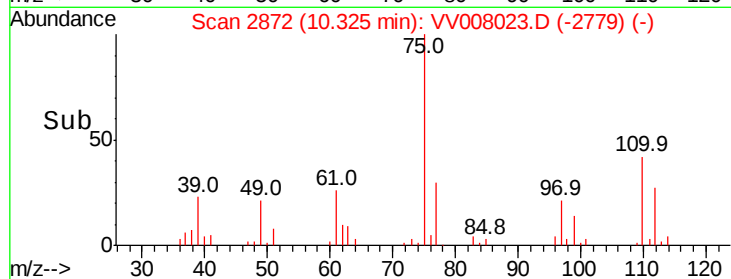
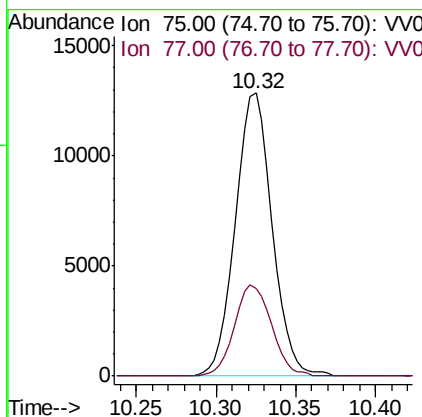
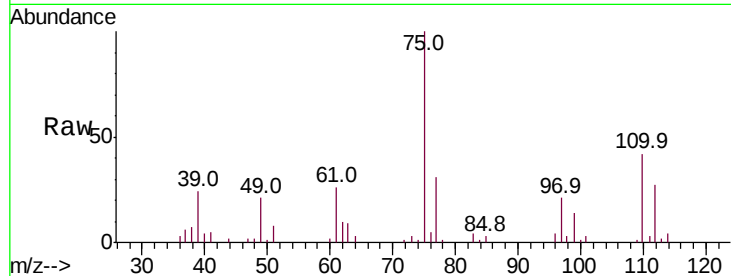




#59
 1,2,3-Trichloropropane
 Concen: 5.159 ug/L
 RT: 10.32 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VV008023.D
 Acq: 02 Oct 2018 10:57

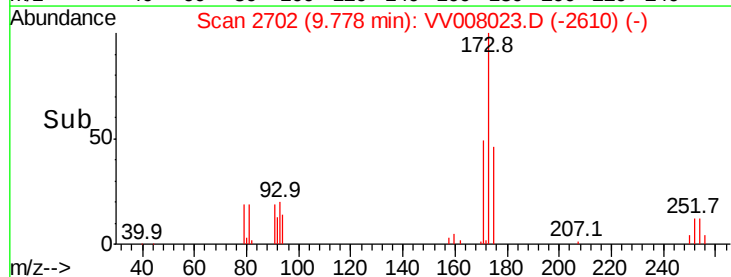
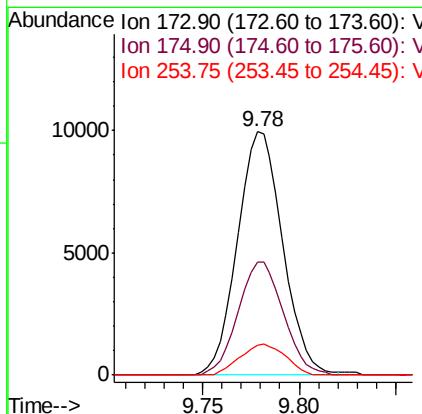
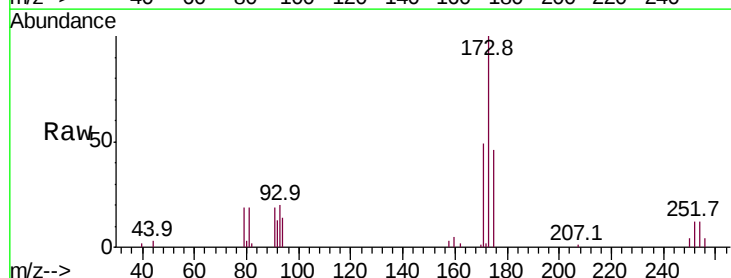
Instrument :
 MSVOA_V
 ClientSampled :

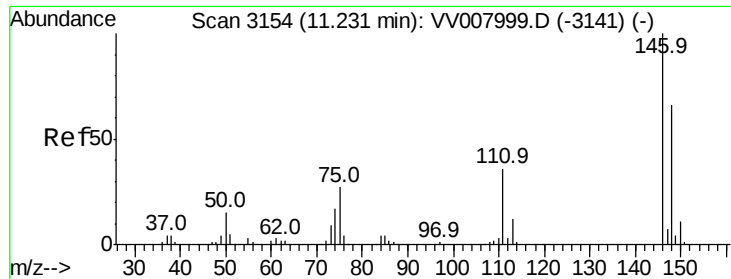
Tot Ion: 75 Resp: 20094
 Ion Ratio Lower Upper
 75 100
 77 32.5 26.4 39.6



#61
 Bromoform
 Concen: 5.760 ug/L
 RT: 9.78 min Scan# 2702
 Delta R.T. -0.00 min
 Lab File: VV008023.D
 Acq: 02 Oct 2018 10:57

Tgt Ion: 173 Resp: 16184
 Ion Ratio Lower Upper
 173 100
 175 46.5 41.0 61.6
 254 12.7 9.6 14.4





#62

1,3-Dichlorobenzene

Concen: 5.328 ug/L

RT: 11.23 min Scan# 3154

Delta R.T. 0.00 min

Lab File: VV008023.D

Acq: 02 Oct 2018 10:57

Instrument :

MSVOA_V

ClientSampleId :

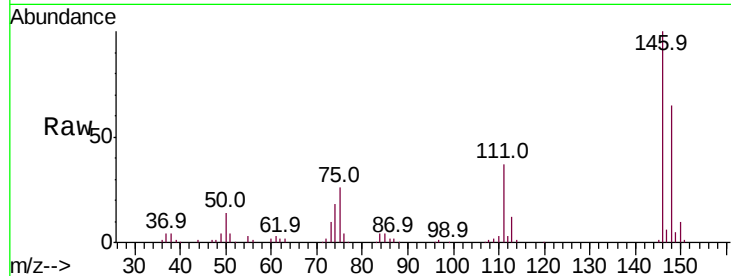
Tot Ion:146 Resp: 82292

Ion Ratio Lower Upper

146 100

111 36.5 25.8 48.0

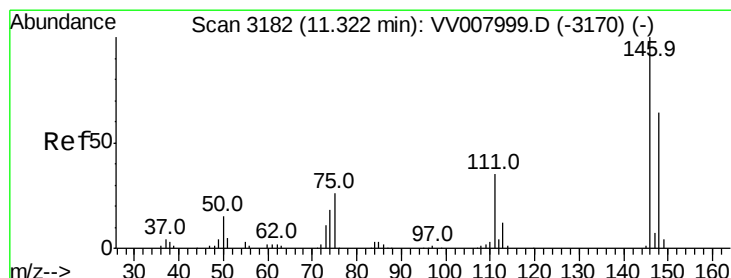
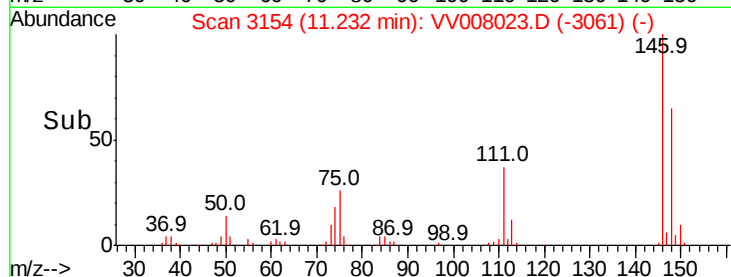
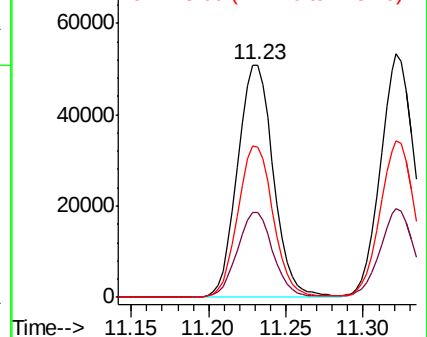
148 64.9 44.7 82.9



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 5.213 ug/L

RT: 11.32 min Scan# 3182

Delta R.T. 0.00 min

Lab File: VV008023.D

Acq: 02 Oct 2018 10:57

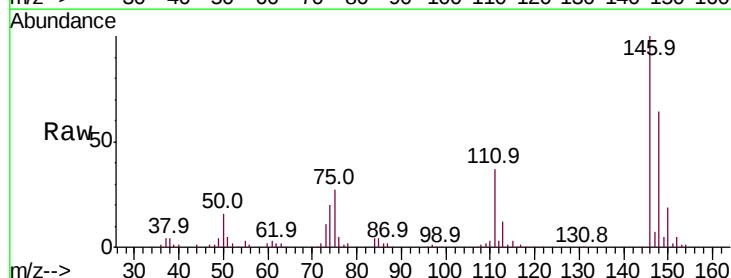
Tgt Ion:146 Resp: 83716

Ion Ratio Lower Upper

146 100

111 36.7 25.3 47.1

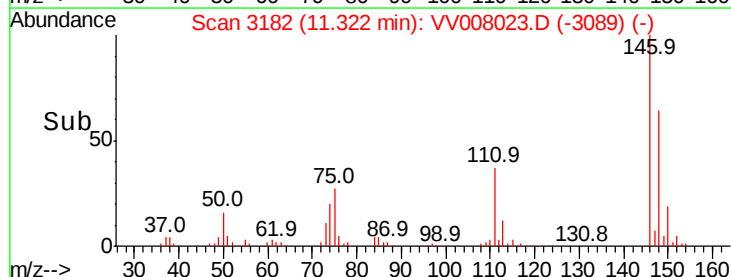
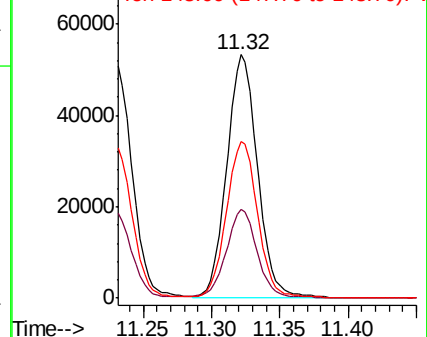
148 64.3 44.7 82.9

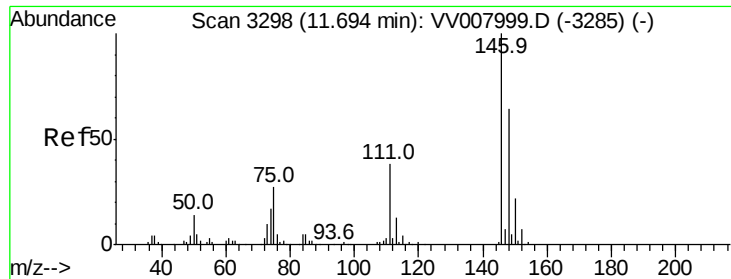


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 5.362 ug/L

RT: 11.69 min Scan# 3298

Delta R.T. 0.00 min

Lab File: VV008023.D

Acq: 02 Oct 2018 10:57

Instrument :

MSVOA_V

ClientSampleId :

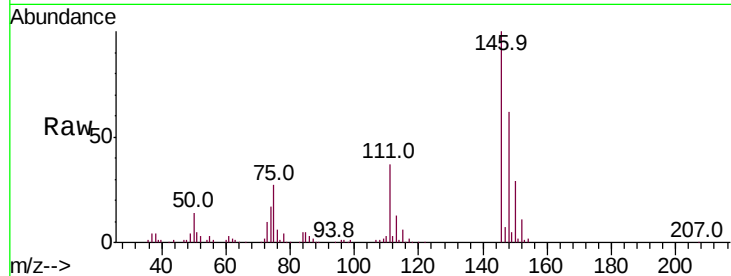
Tot Ion:146 Resp: 78081

Ion Ratio Lower Upper

146 100

111 37.3 31.2 46.8

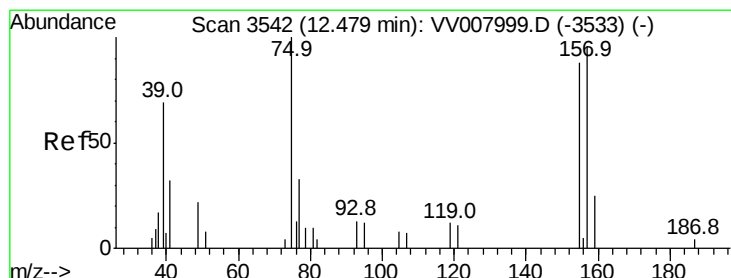
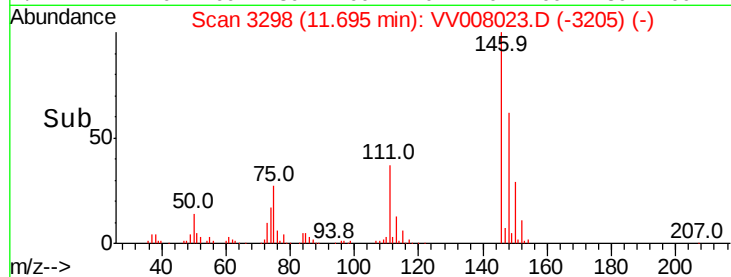
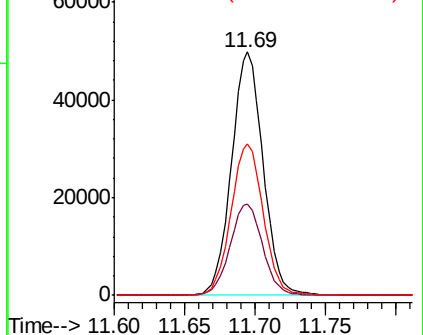
148 62.4 50.3 75.5



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: 5.237 ug/L

RT: 12.48 min Scan# 3543

Delta R.T. 0.00 min

Lab File: VV008023.D

Acq: 02 Oct 2018 10:57

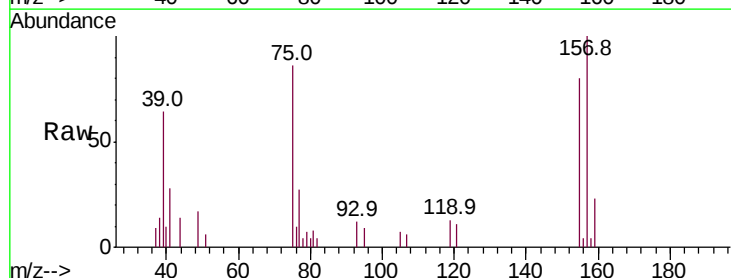
Tgt Ion: 75 Resp: 3884

Ion Ratio Lower Upper

75 100

155 93.2 83.4 125.2

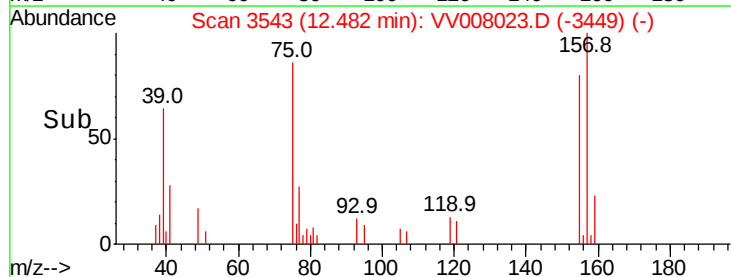
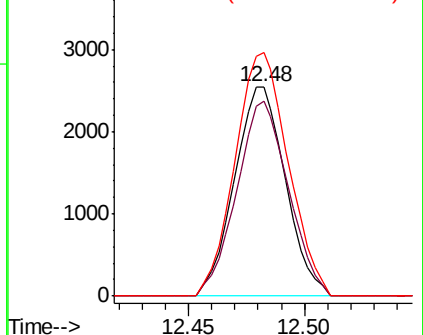
157 116.2 93.9 140.9

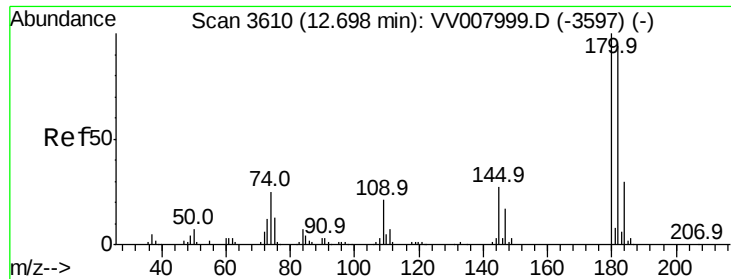


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

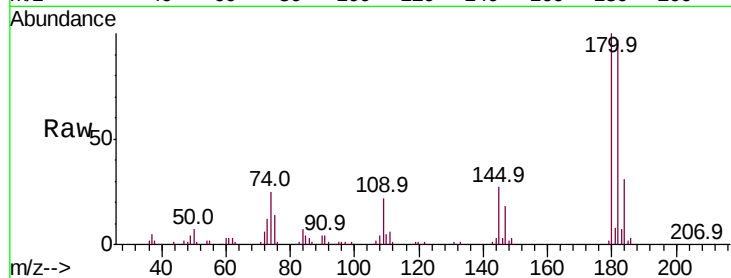




#67
 1,3,5-Trichlorobenzene
 Concen: 5.319 ug/L
 RT: 12.70 min Scan# 3610
 Delta R.T. 0.00 min
 Lab File: VV008023.D
 Acq: 02 Oct 2018 10:57

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:	180	Resp:	70339
Ion	Ratio	Lower	Upper
180	100		
182	96.1	76.2	114.4
184	30.9	24.5	36.7
145	26.9	22.2	33.4



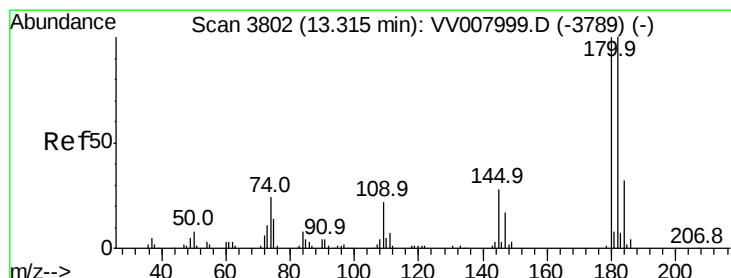
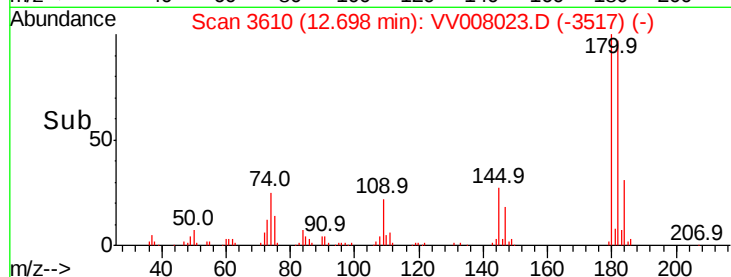
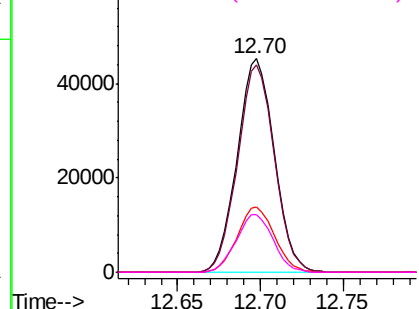
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

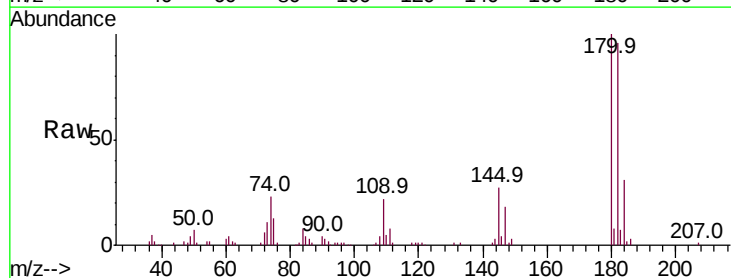
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 5.011 ug/L
 RT: 13.32 min Scan# 3802
 Delta R.T. 0.00 min
 Lab File: VV008023.D
 Acq: 02 Oct 2018 10:57

Tgt Ion:	180	Resp:	56008
Ion	Ratio	Lower	Upper
180	100		
182	96.0	77.4	116.2
145	27.1	22.6	33.8

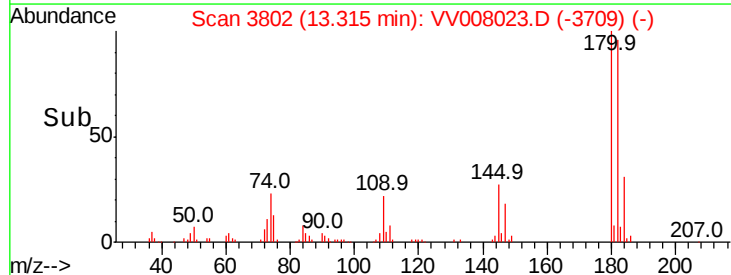
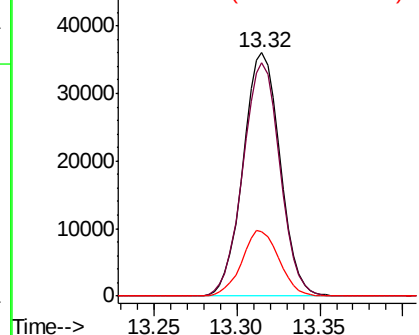


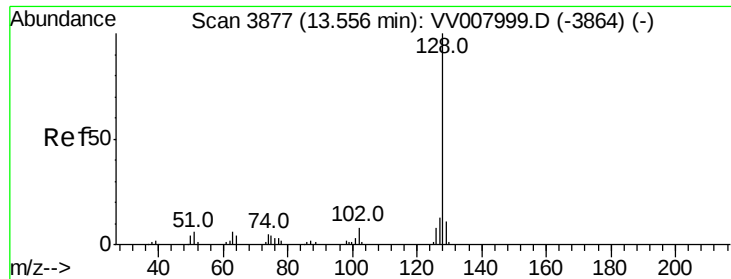
Abundance

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: 4.534 ug/L

RT: 13.56 min Scan# 3877

Delta R.T. 0.00 min

Lab File: VV008023.D

Acq: 02 Oct 2018 10:57

Instrument :

MSVOA_V

ClientSampleId :

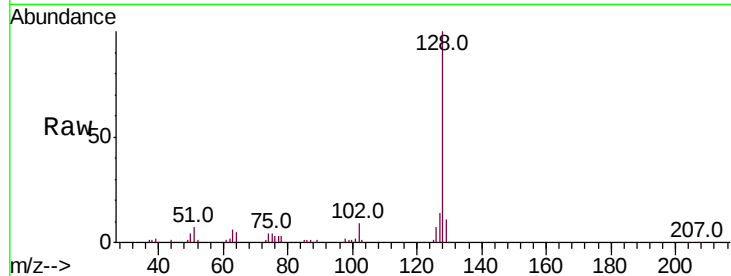
Tot Ion:128 Resp: 70893

Ion Ratio Lower Upper

128 100

129 10.5 8.6 13.0

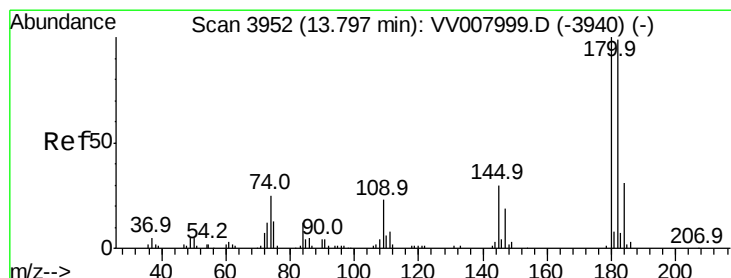
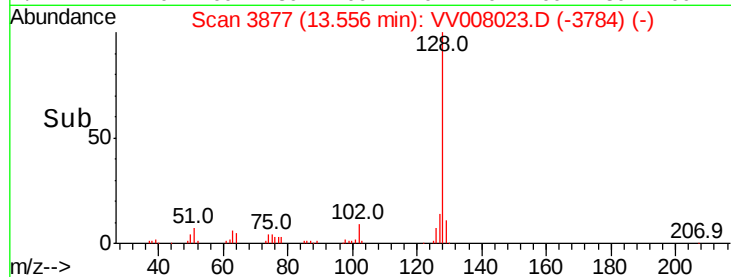
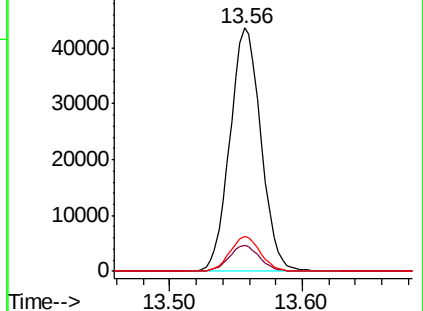
127 13.8 10.3 15.5



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: 5.170 ug/L

RT: 13.80 min Scan# 3952

Delta R.T. 0.00 min

Lab File: VV008023.D

Acq: 02 Oct 2018 10:57

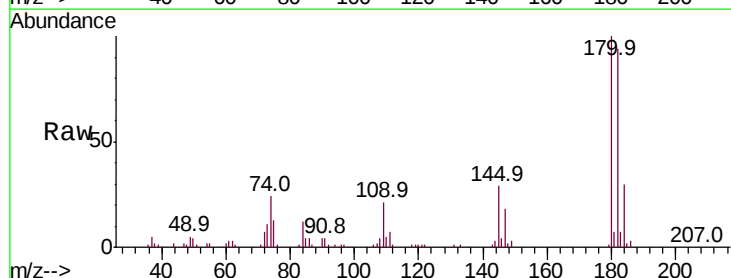
Tgt Ion:180 Resp: 52339

Ion Ratio Lower Upper

180 100

182 95.9 75.7 113.5

145 29.5 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

