

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV101818\
 Data File : VV008354.D
 Acq On : 18 Oct 2018 20:45
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0 mL/MSVOA V/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Oct 19 05:29:45 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR101518WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Oct 19 05:24:39 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	112980	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	102070	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	44941	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	27524	4.31	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	86.20%
7) Chloroethane-d5	1.59	69	23878	4.74	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	94.80%
11) 1,1-Dichloroethene-d2	2.13	63	61770	5.04	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	100.80%
20) 2-Butanone-d5	3.98	46	100959	47.14	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	94.28%
24) Chloroform-d	4.41	84	64762	4.54	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.80%
26) 1,2-Dichloroethane-d4	5.09	65	32133	4.44	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.80%
32) Benzene-d6	5.10	84	132237	4.41	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.20%
36) 1,2-Dichloropropane-d6	6.12	67	45019	4.56	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	91.20%
41) Toluene-d8	7.36	98	120653	4.44	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.80%
43) trans-1,3-Dichloropropene-	7.67	79	16338	3.99	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	79.80%
46) 2-Hexanone-d5	8.14	63	72423	50.47	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	100.94%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	29860	4.56	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	91.20%
64) 1,2-Dichlorobenzene-d4	11.68	152	38594	4.52	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	90.40%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	43654	5.019	ug/L 99
3) Chloromethane	1.25	50	46657	5.255	ug/L 97
5) Vinyl chloride	1.32	62	46117	5.486	ug/L 98
6) Bromomethane	1.54	94	19191	3.989	ug/L 98
8) Chloroethane	1.60	64	25605	5.860	ug/L 99
9) Trichlorofluoromethane	1.77	101	60548	5.924	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	34304	5.881	ug/L 98
12) 1,1-Dichloroethene	2.14	96	31767	5.853	ug/L 92
13) Acetone	2.23	43	57574	49.688	ug/L 96
14) Carbon disulfide	2.32	76	102653	5.497	ug/L 100
15) Methyl Acetate	2.48	43	15589	5.408	ug/L 92
16) Methylene chloride	2.54	84	33502	5.333	ug/L 99
17) Methyl tert-butyl Ether	2.82	73	88342	5.730	ug/L 98
18) trans-1,2-Dichloroethene	2.79	96	33585	5.751	ug/L 94
19) 1,1-Dichloroethane	3.23	63	77000	6.382	ug/L 99
21) 2-Butanone	4.07	43	109737	45.610	ug/L 100
22) cis-1,2-Dichloroethene	3.96	96	45038	4.777	ug/L # 99

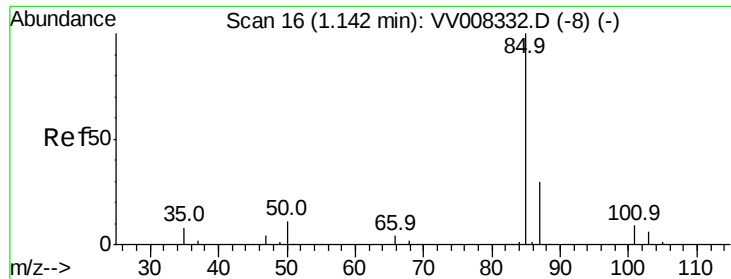
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV101818\
 Data File : VV008354.D
 Acq On : 18 Oct 2018 20:45
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0 mL/MSVOA V/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Oct 19 05:29:45 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR101518WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Oct 19 05:24:39 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	17431	4.987	ug/L	96
25) Chloroform	4.43	83	74028	5.006	ug/L	99
27) 1,2-Dichloroethane	5.19	62	44008	5.006	ug/L	99
29) 1,1,1-Trichloroethane	4.66	97	63772	5.017	ug/L	98
30) Cyclohexane	4.72	56	76971	4.817	ug/L	97
31) Carbon tetrachloride	4.87	117	53105	4.969	ug/L	99
33) Benzene	5.15	78	170189	4.948	ug/L	100
34) Trichloroethene	5.96	95	47976	5.033	ug/L	96
35) Methylcyclohexane	6.18	83	79075	4.920	ug/L	96
37) 1,2-Dichloropropane	6.23	63	45943	4.950	ug/L	100
38) Bromodichloromethane	6.56	83	51365	4.927	ug/L	99
39) cis-1,3-Dichloropropene	7.07	75	60267	4.551	ug/L	99
40) 4-Methyl-2-pentanone	7.29	43	279594	49.192	ug/L	99
42) Toluene	7.43	91	182458	5.089	ug/L	100
44) trans-1,3-Dichloropropene	7.70	75	49912	4.710	ug/L	99
45) 1,1,2-Trichloroethane	7.89	97	28579	4.960	ug/L	98
47) Tetrachloroethene	8.02	164	30265	5.068	ug/L	93
48) 2-Hexanone	8.20	43	206338	49.670	ug/L	99
49) Dibromochloromethane	8.30	129	31638	4.818	ug/L	100
50) 1,2-Dibromoethane	8.40	107	26170	4.846	ug/L	97
51) Chlorobenzene	8.93	112	109943	5.161	ug/L	99
52) Ethylbenzene	9.06	91	201871	5.121	ug/L	99
53) m,p-xylene	9.18	106	72017	5.050	ug/L	94
54) o-xylene	9.59	106	74072	5.214	ug/L	97
55) Styrene	9.61	104	117703	5.150	ug/L	99
56) Isopropylbenzene	9.98	105	193611	5.172	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.29	83	30402	4.638	ug/L	98
59) 1,2,3-Trichloropropane	10.32	75	25768	4.962	ug/L	98
61) Bromoform	9.78	173	14361	4.371	ug/L	97
62) 1,3-Dichlorobenzene	11.23	146	76370	5.021	ug/L	94
63) 1,4-Dichlorobenzene	11.32	146	76706	5.093	ug/L	98
65) 1,2-Dichlorobenzene	11.69	146	73146	5.016	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.48	75	4533	4.121	ug/L	90
67) 1,3,5-Trichlorobenzene	12.70	180	51185	5.201	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	37198	5.309	ug/L	99
69) Naphthalene	13.56	128	59503	4.556	ug/L	100
70) 1,2,3-Trichlorobenzene	13.80	180	35835	5.152	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 5.019 ug/L

RT: 1.14 min Scan# 16

Delta R.T. -0.00 min

Lab File: VV008354.D

Acq: 18 Oct 2018 20:45

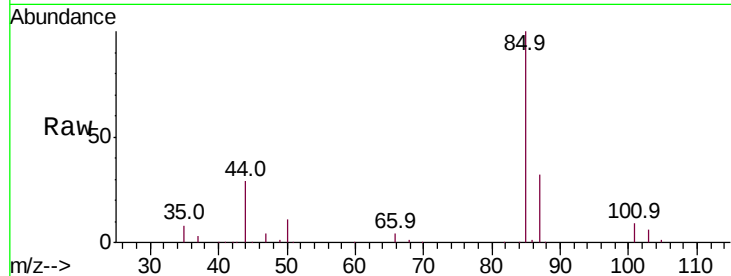
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 85 Resp: 43654

Ion Ratio Lower Upper

85 100

87 31.7 25.8 38.6



Abundance Ion 85.00 (84.70 to 85.70): VV008332.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VV008332.D (-8) (-)

1.14

40000

30000

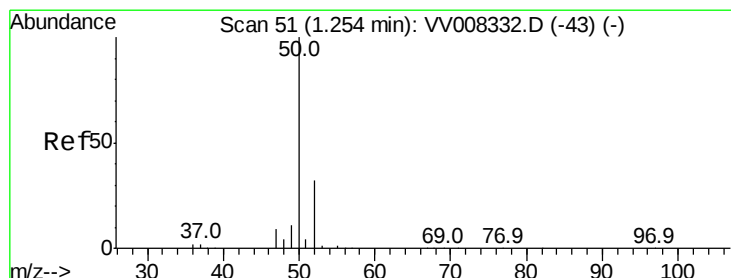
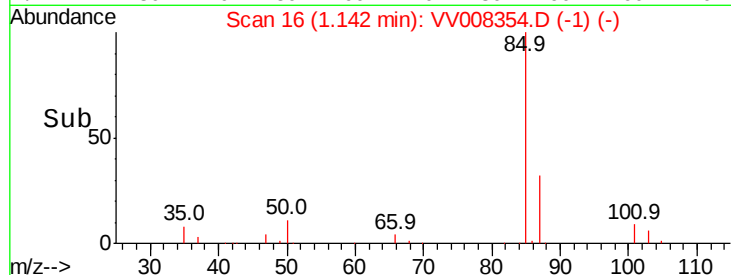
20000

10000

0

Time-->

1.10 1.15 1.20



#3

Chloromethane

Concen: 5.255 ug/L

RT: 1.25 min Scan# 51

Delta R.T. -0.00 min

Lab File: VV008354.D

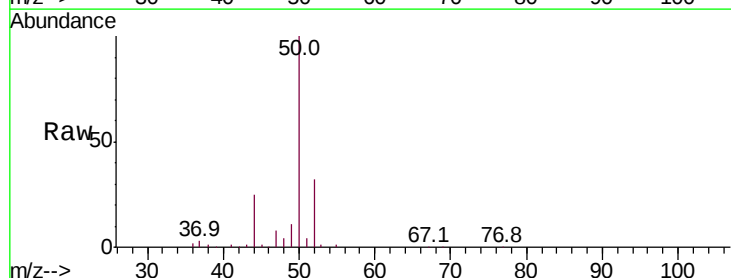
Acq: 18 Oct 2018 20:45

Tgt Ion: 50 Resp: 46657

Ion Ratio Lower Upper

50 100

52 32.1 23.7 43.9



Abundance Ion 50.05 (49.75 to 50.75): VV008332.D (-43) (-)

Ion 52.05 (51.75 to 52.75): VV008332.D (-43) (-)

1.25

40000

30000

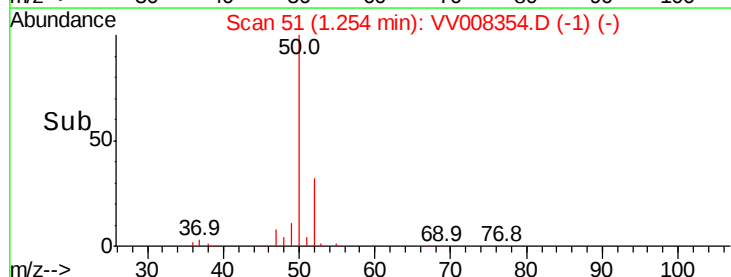
20000

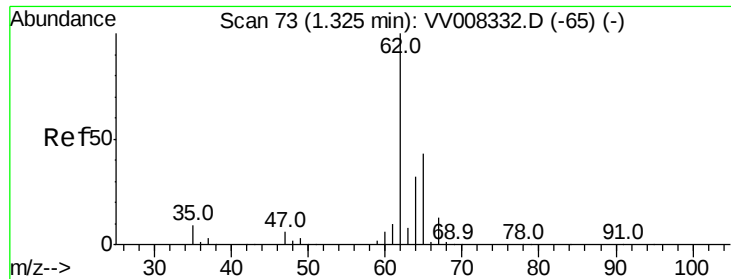
10000

0

Time-->

1.20 1.25 1.30





#5

Vinyl chloride

Concen: 5.486 ug/L

RT: 1.32 min Scan# 73

Delta R.T. -0.00 min

Lab File: VV008354.D

Acq: 18 Oct 2018 20:45

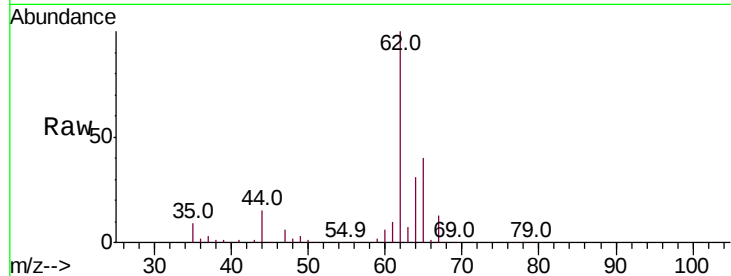
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 62 Resp: 46117

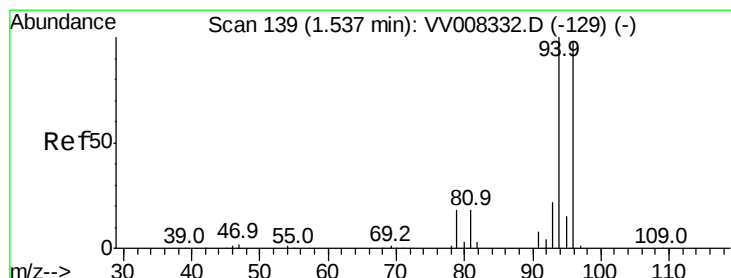
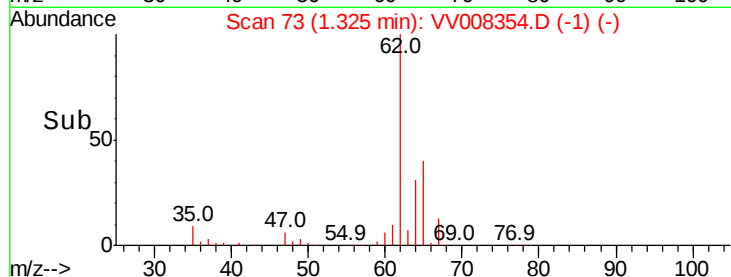
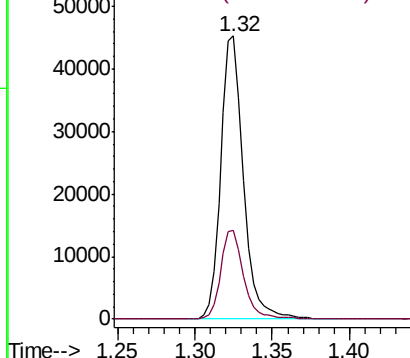
Ion Ratio Lower Upper

62 100

64 31.3 22.9 42.5



Abundance Ion 62.00 (61.70 to 62.70): VV0
Ion 64.10 (63.80 to 64.80): VV0



#6

Bromomethane

Concen: 3.989 ug/L

RT: 1.54 min Scan# 139

Delta R.T. -0.00 min

Lab File: VV008354.D

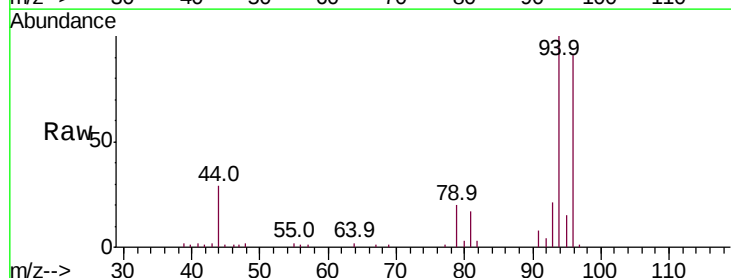
Acq: 18 Oct 2018 20:45

Tgt Ion: 94 Resp: 19191

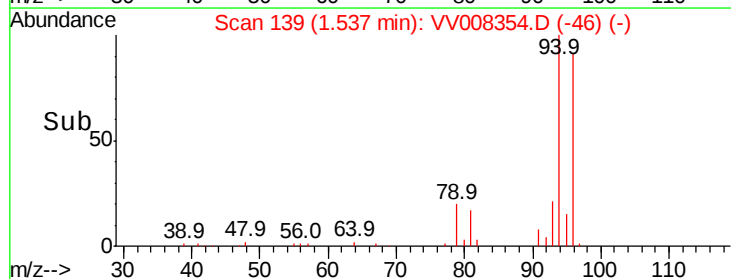
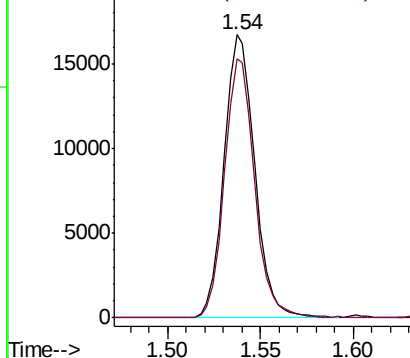
Ion Ratio Lower Upper

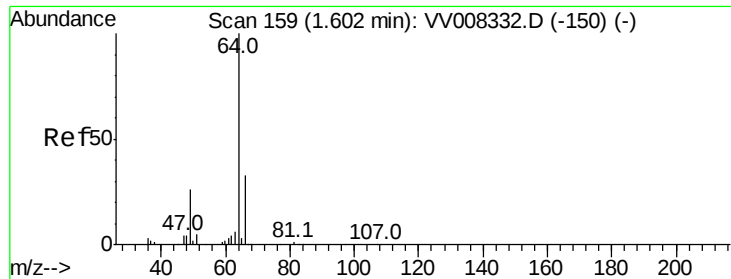
94 100

96 91.4 65.0 120.8



Abundance Ion 94.00 (93.70 to 94.70): VV0
Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 5.860 ug/L

RT: 1.60 min Scan# 159

Delta R.T. -0.00 min

Lab File: VV008354.D

Acq: 18 Oct 2018 20:45

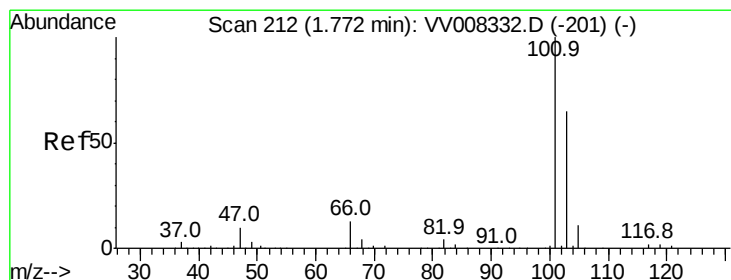
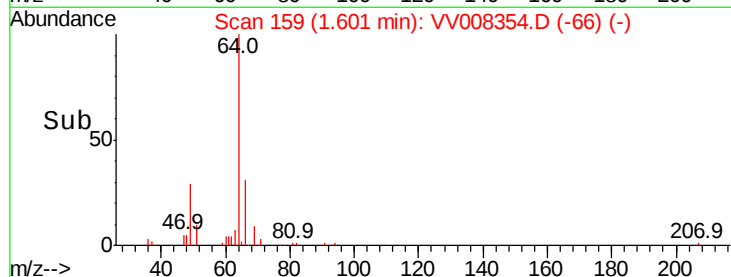
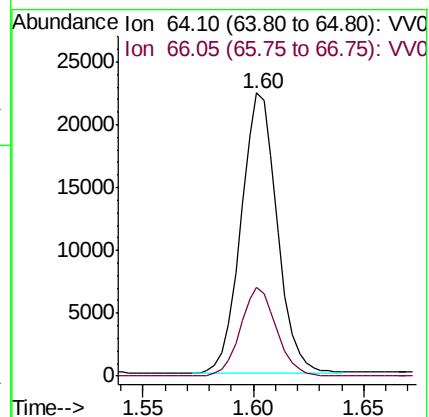
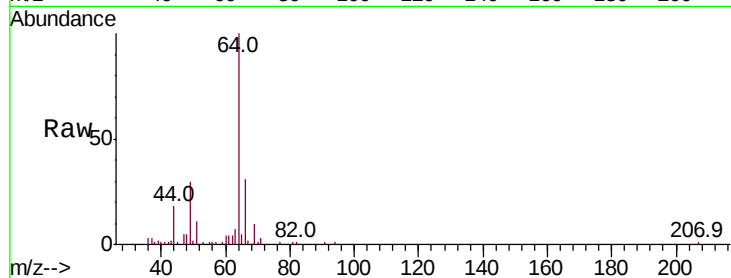
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 64 Resp: 25605

Ion Ratio Lower Upper

64 100

66 31.4 22.5 41.9



#9

Trichlorofluoromethane

Concen: 5.924 ug/L

RT: 1.77 min Scan# 212

Delta R.T. -0.00 min

Lab File: VV008354.D

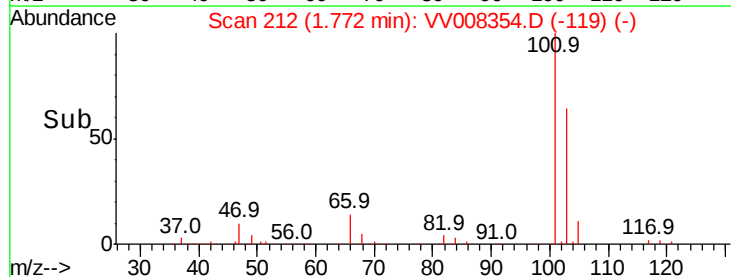
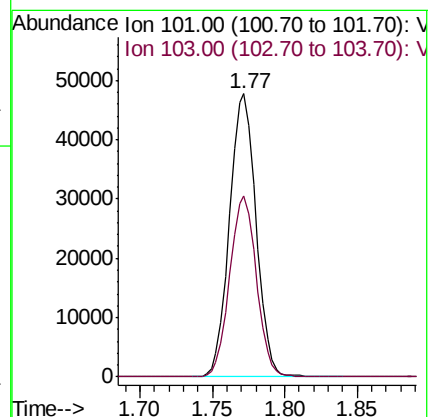
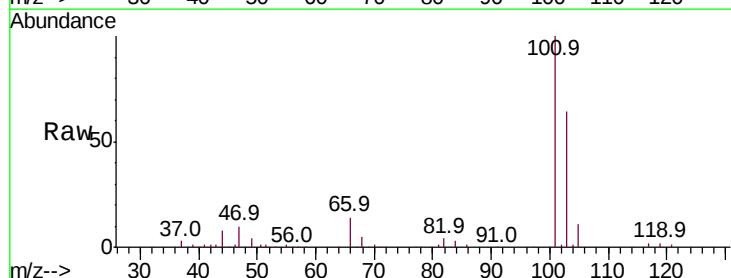
Acq: 18 Oct 2018 20:45

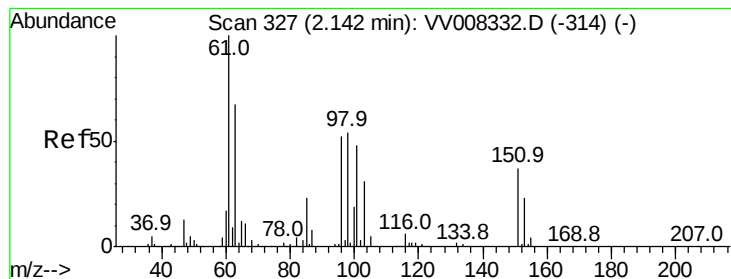
Tgt Ion: 101 Resp: 60548

Ion Ratio Lower Upper

101 100

103 64.3 51.8 77.6





#10

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

Concen: 5.881 ug/L

RT: 2.14 min Scan# 327

Delta R.T. -0.00 min

Lab File: VV008354.D

Acq: 18 Oct 2018 20:45

Instrument :

MSVOA_V

ClientSampleId :

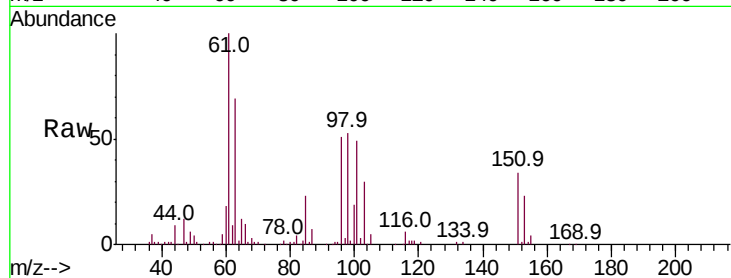
Tot Ion:101 Resp: 34304

Ion Ratio Lower Upper

101 100

85 46.1 37.4 56.2

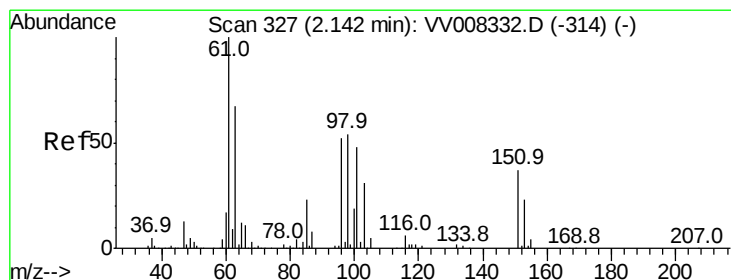
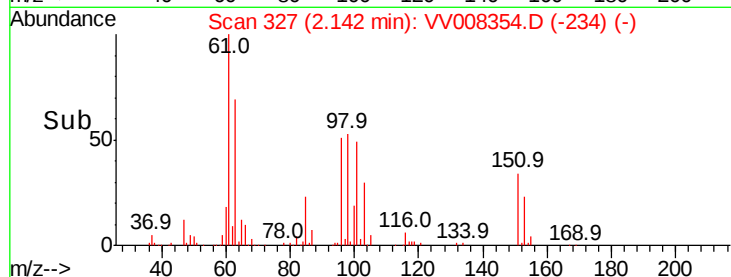
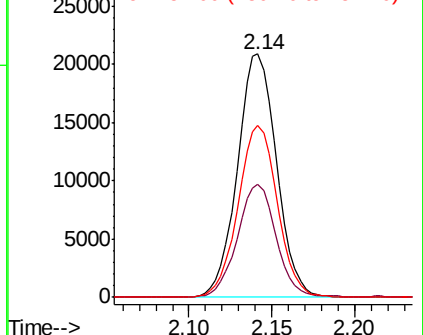
151 71.1 59.0 88.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 5.853 ug/L

RT: 2.14 min Scan# 327

Delta R.T. -0.00 min

Lab File: VV008354.D

Acq: 18 Oct 2018 20:45

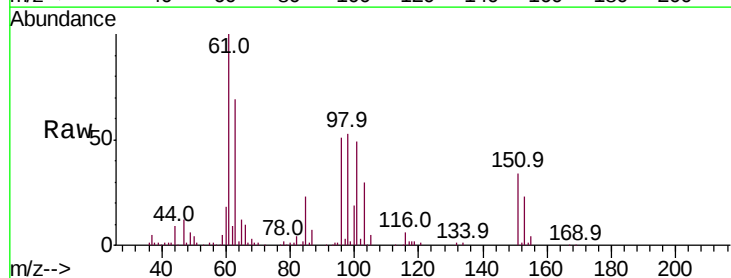
Tgt Ion: 96 Resp: 31767

Ion Ratio Lower Upper

96 100

61 195.5 129.9 241.3

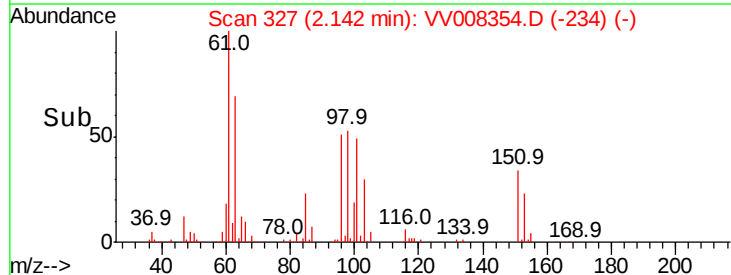
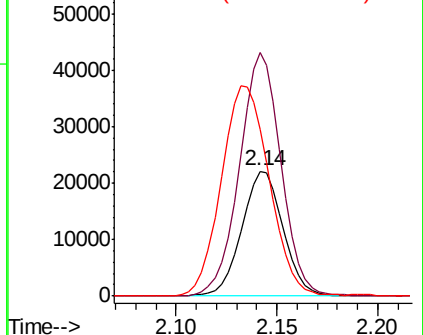
63 134.2 103.0 191.4

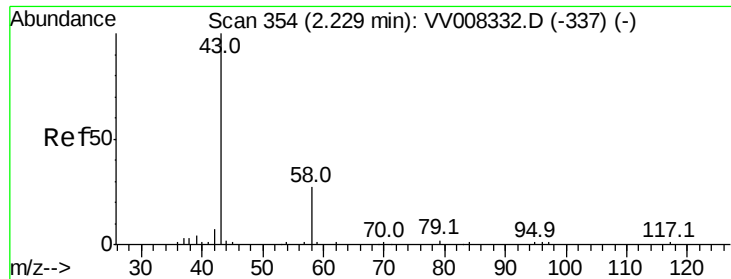


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 49.688 ug/L

RT: 2.23 min Scan# 355

Delta R.T. 0.00 min

Lab File: VV008354.D

Acq: 18 Oct 2018 20:45

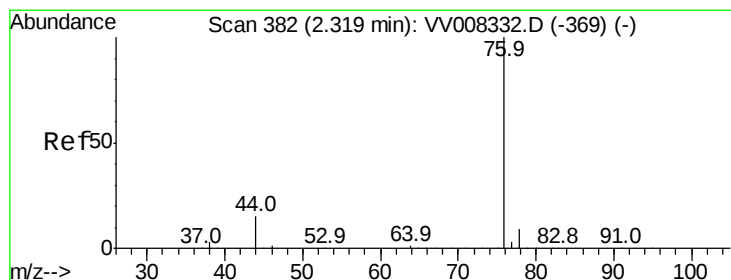
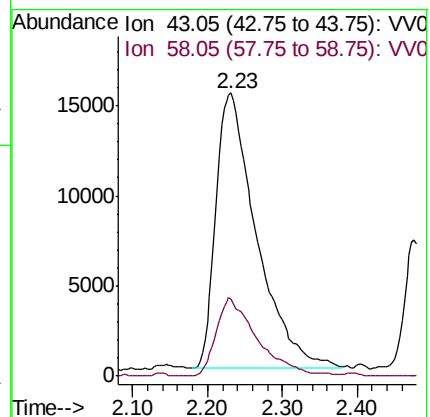
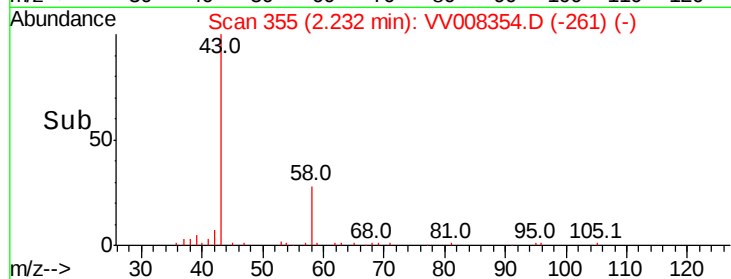
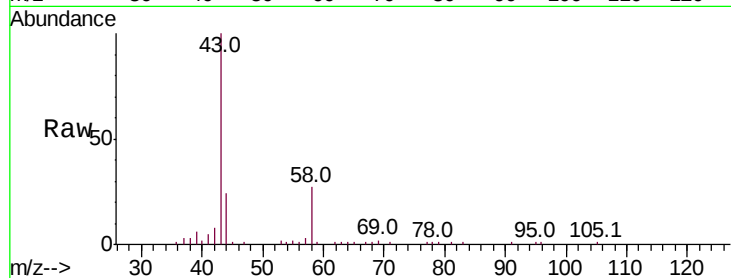
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 57574

Ion Ratio Lower Upper

43 100

58 28.5 0.0 62.0



#14

Carbon disulfide

Concen: 5.497 ug/L

RT: 2.32 min Scan# 382

Delta R.T. -0.00 min

Lab File: VV008354.D

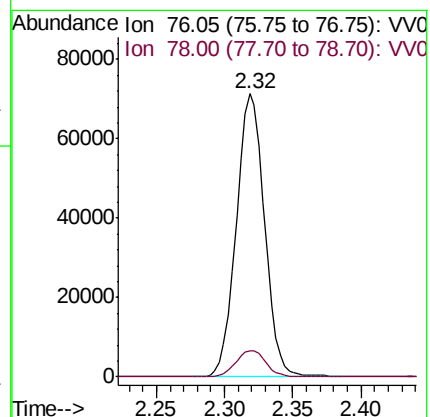
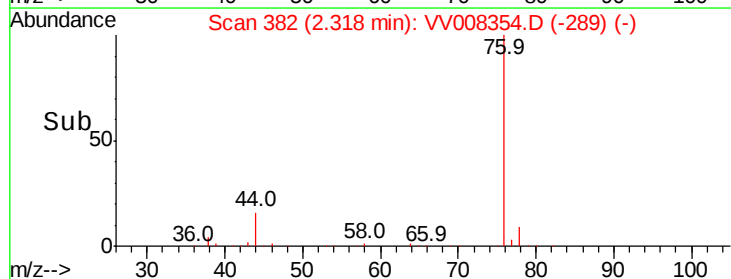
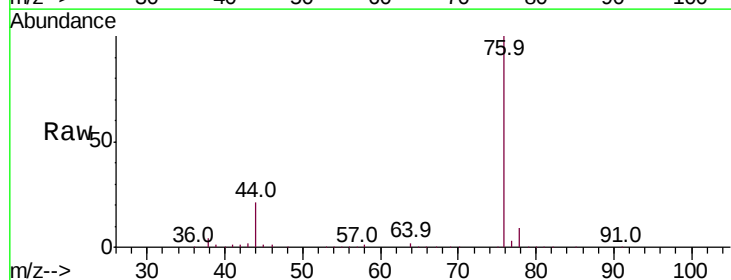
Acq: 18 Oct 2018 20:45

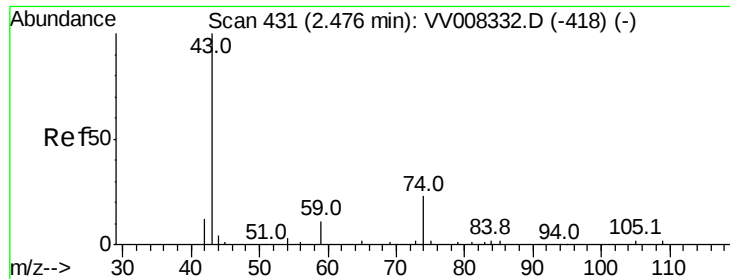
Tgt Ion: 76 Resp: 102653

Ion Ratio Lower Upper

76 100

78 9.2 7.4 11.2

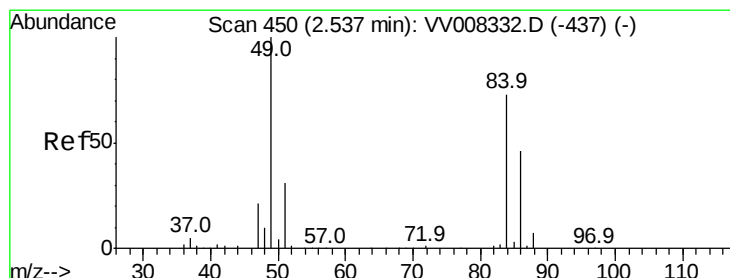
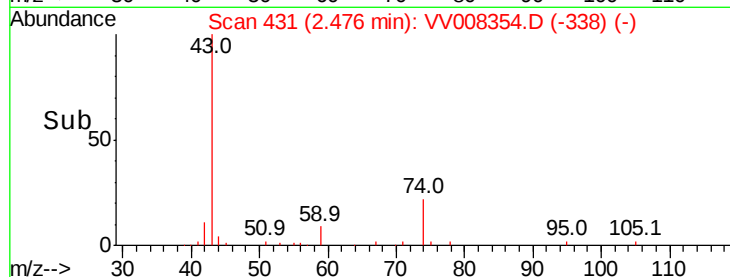
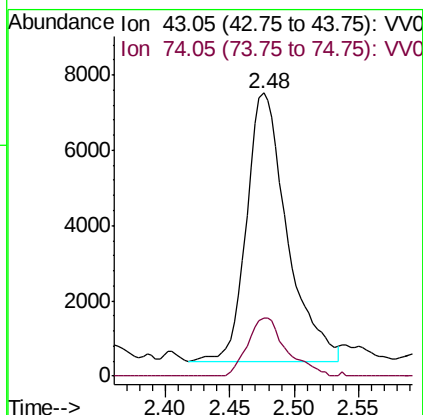
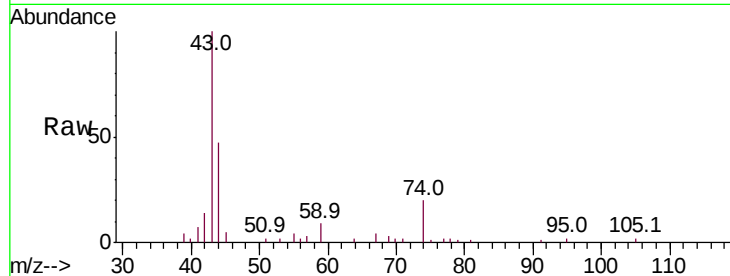




#15
Methyl Acetate
Concen: 5.408 ug/L
RT: 2.48 min Scan# 431
Delta R.T. -0.00 min
Lab File: VV008354.D
Acq: 18 Oct 2018 20:45

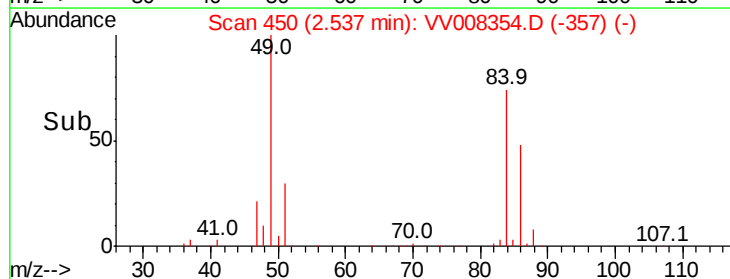
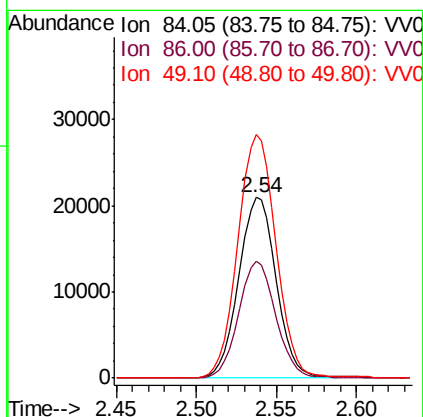
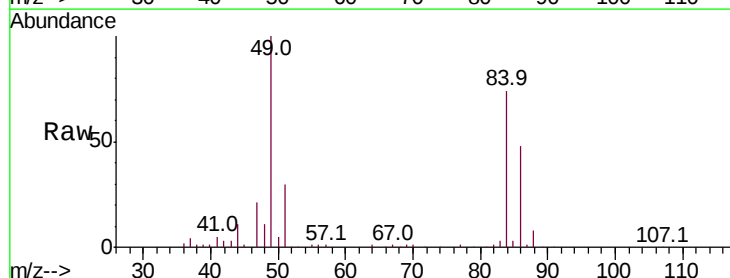
Instrument :
MSVOA_V
ClientSampleId :

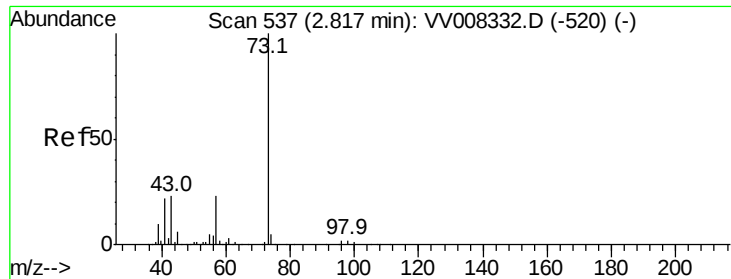
Tot Ion: 43 Resp: 15589
Ion Ratio Lower Upper
43 100
74 20.9 20.0 30.0



#16
Methylene chloride
Concen: 5.333 ug/L
RT: 2.54 min Scan# 450
Delta R.T. -0.00 min
Lab File: VV008354.D
Acq: 18 Oct 2018 20:45

Tgt Ion: 84 Resp: 33502
Ion Ratio Lower Upper
84 100
86 64.9 45.0 83.6
49 134.8 92.9 172.5



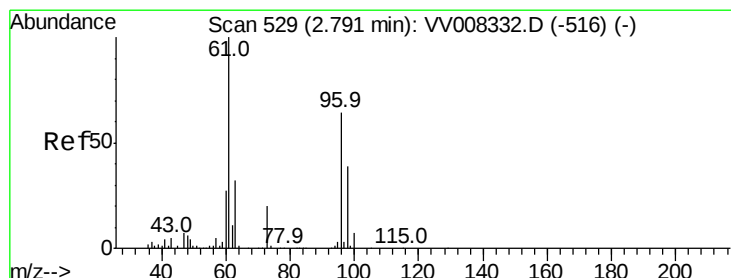
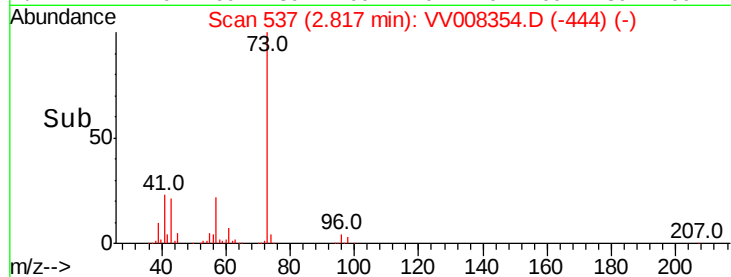
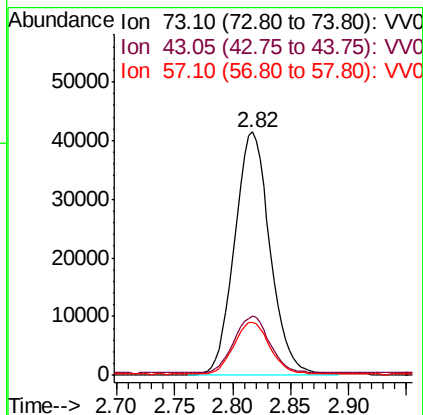
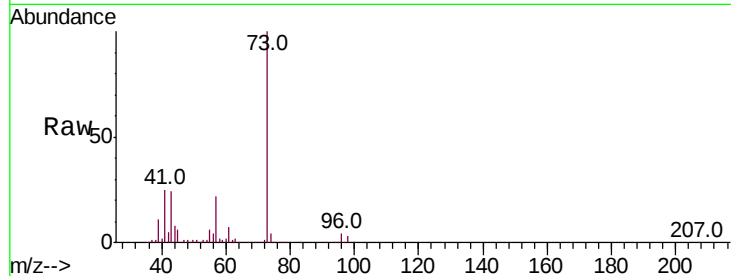


#17

Methvl tert-butvl Ether
 Concen: 5.730 ug/L
 RT: 2.82 min Scan# 537
 Delta R.T. -0.00 min
 Lab File: VV008354.D
 Acq: 18 Oct 2018 20:45

Instrument :
 MSVOA_V
 ClientSampled :

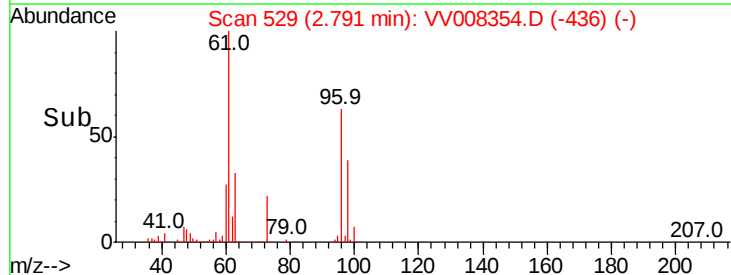
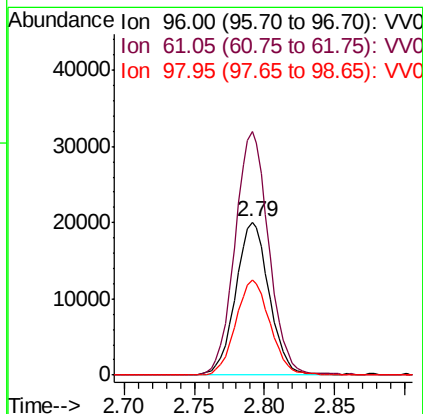
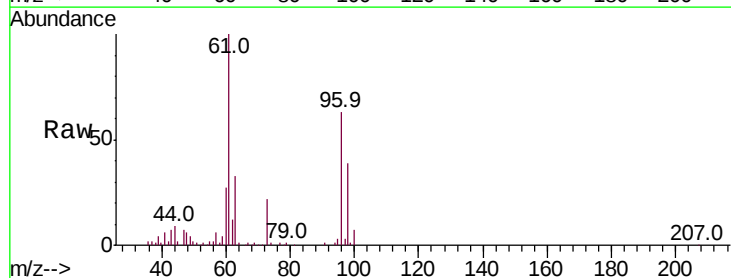
Tot Ion: 73 Resp: 88342
 Ion Ratio Lower Upper
 73 100
 43 23.2 19.0 28.6
 57 21.6 18.2 27.2

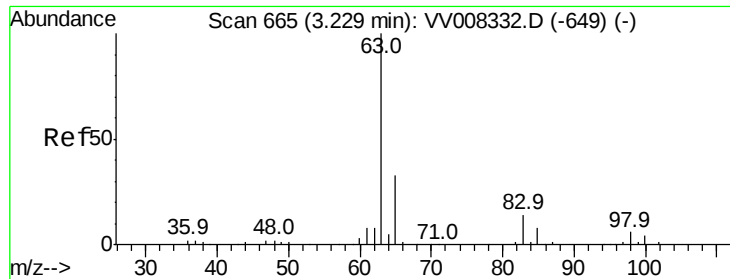


#18

trans-1,2-Dichloroethene
 Concen: 5.751 ug/L
 RT: 2.79 min Scan# 529
 Delta R.T. -0.00 min
 Lab File: VV008354.D
 Acq: 18 Oct 2018 20:45

Tgt Ion: 96 Resp: 33585
 Ion Ratio Lower Upper
 96 100
 61 159.0 104.6 194.2
 98 62.0 44.1 81.9

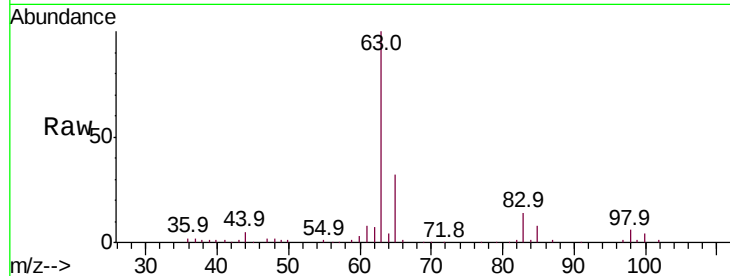




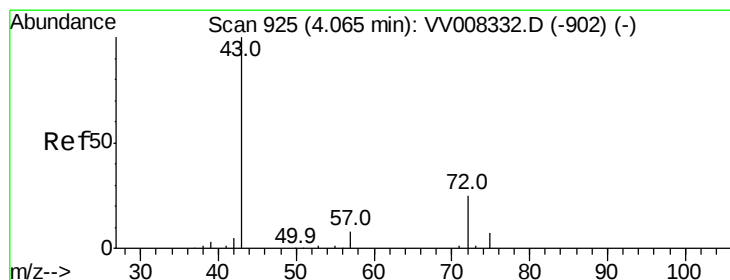
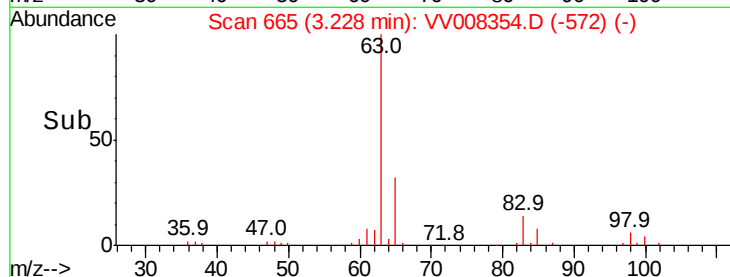
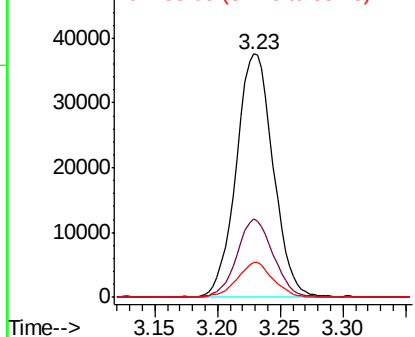
#19
 1,1-Dichloroethane
 Concen: 6.382 ug/L
 RT: 3.23 min Scan# 665
 Delta R.T. -0.00 min
 Lab File: VV008354.D
 Acq: 18 Oct 2018 20:45

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 63 Resp: 77000
 Ion Ratio Lower Upper
 63 100
 65 32.1 22.6 42.0
 83 14.2 11.0 20.4

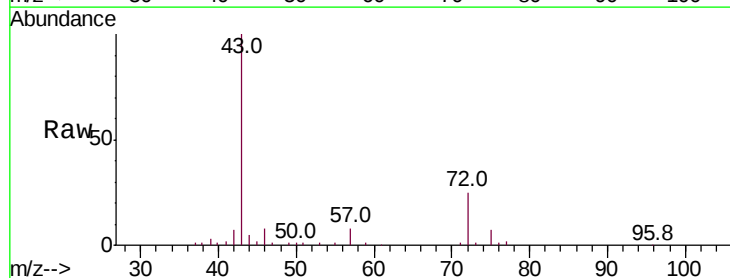


Abundance Ion 63.10 (62.80 to 63.80): VV0
 Ion 65.10 (64.80 to 65.80): VV0
 Ion 83.05 (82.75 to 83.75): VV0

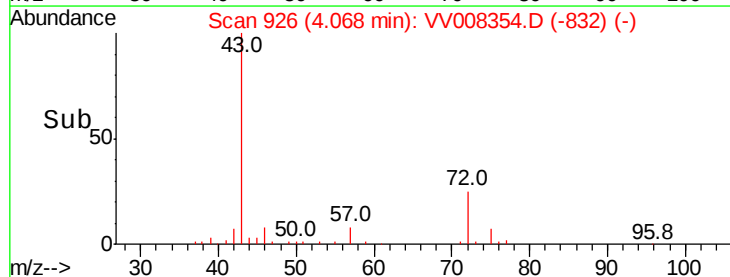
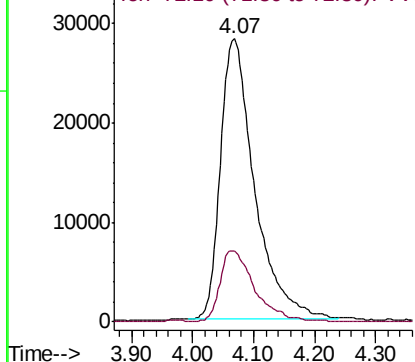


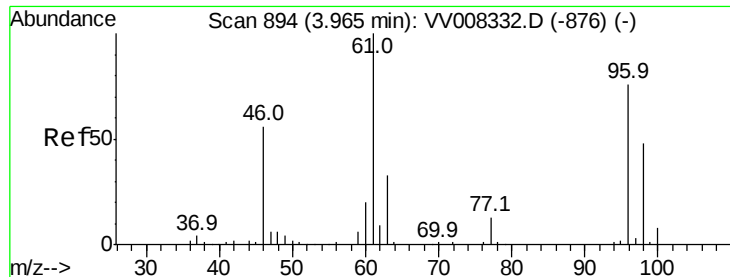
#21
 2-Butanone
 Concen: 45.610 ug/L
 RT: 4.07 min Scan# 926
 Delta R.T. 0.00 min
 Lab File: VV008354.D
 Acq: 18 Oct 2018 20:45

Tgt Ion: 43 Resp: 109737
 Ion Ratio Lower Upper
 43 100
 72 25.7 12.9 38.7



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



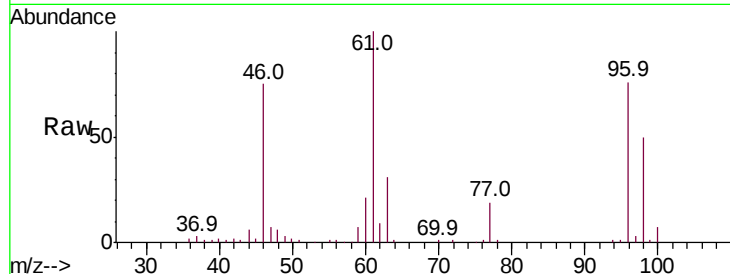


#22

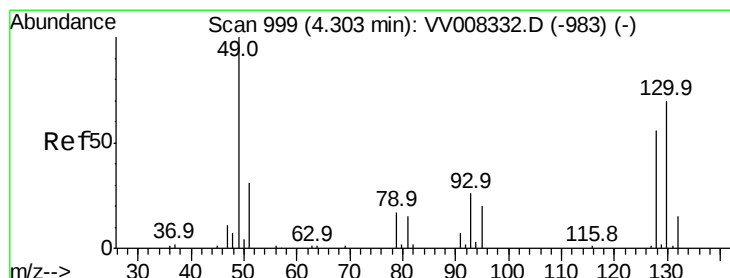
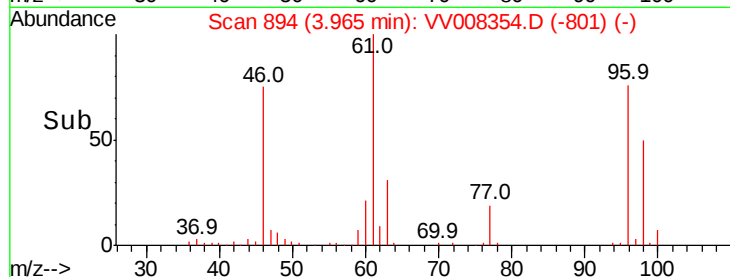
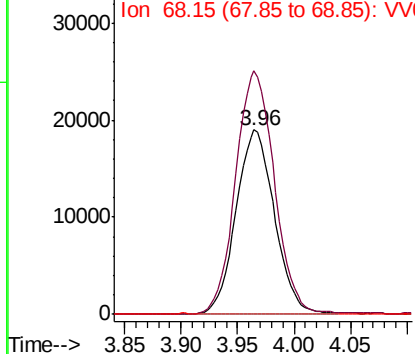
cis-1,2-Dichloroethene
Concen: 4.777 ug/L
RT: 3.96 min Scan# 894
Delta R.T. -0.00 min
Lab File: VV008354.D
Acq: 18 Oct 2018 20:45

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 96 Resp: 45038
Ion Ratio Lower Upper
96 100
61 132.2 93.7 174.1
68 0.0 0.6 1.2#



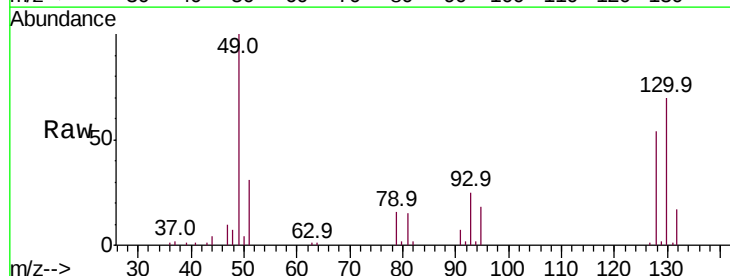
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 68.15 (67.85 to 68.85): VV0



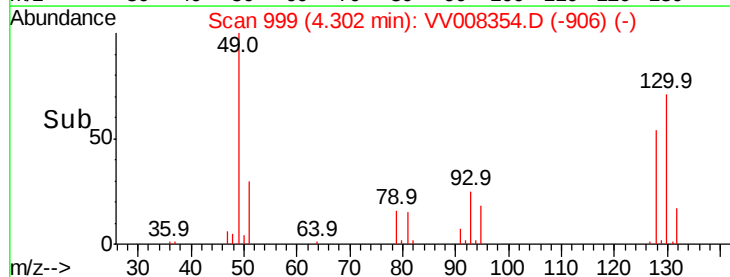
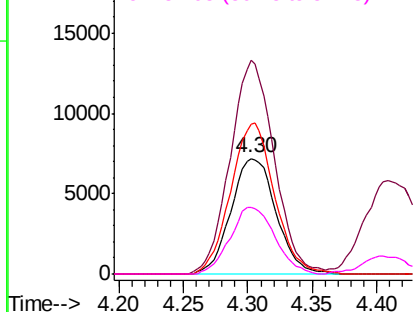
#23

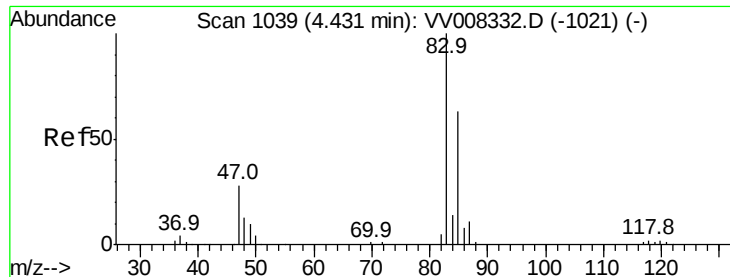
Bromochloromethane
Concen: 4.987 ug/L
RT: 4.30 min Scan# 999
Delta R.T. -0.00 min
Lab File: VV008354.D
Acq: 18 Oct 2018 20:45

Tgt Ion:128 Resp: 17431
Ion Ratio Lower Upper
128 100
49 185.2 131.3 243.9
130 129.9 86.0 159.8
51 57.4 50.9 76.3



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

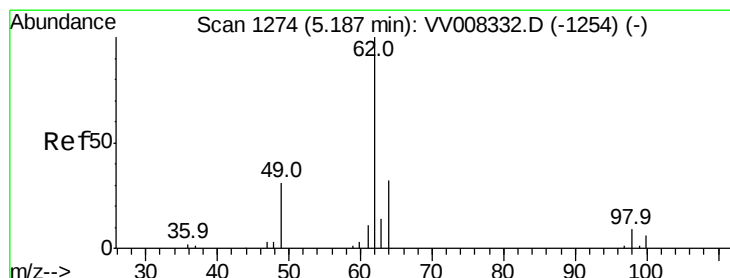
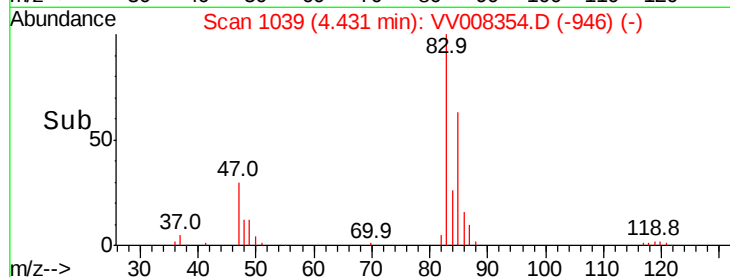
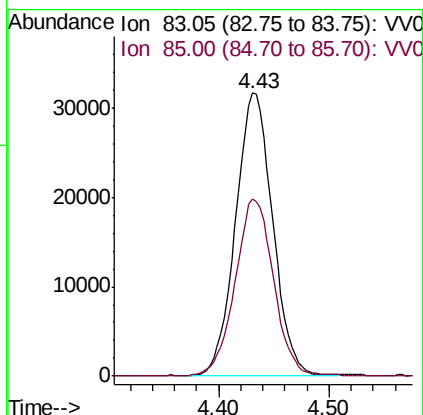
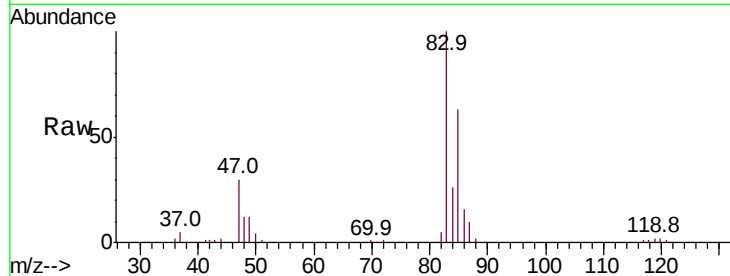




#25
Chloroform
Concen: 5.006 ug/L
RT: 4.43 min Scan# 1039
Delta R.T. -0.00 min
Lab File: VV008354.D
Acq: 18 Oct 2018 20:45

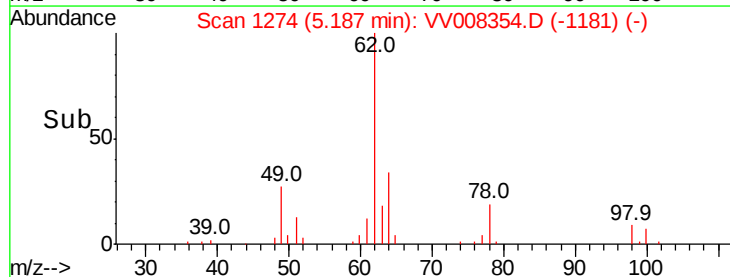
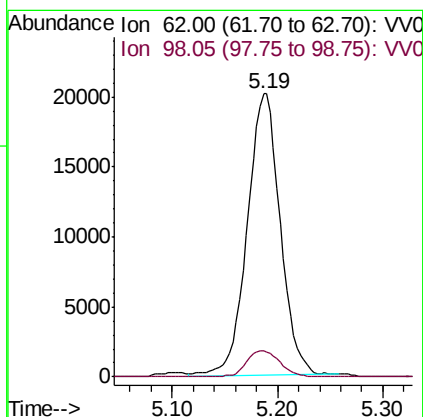
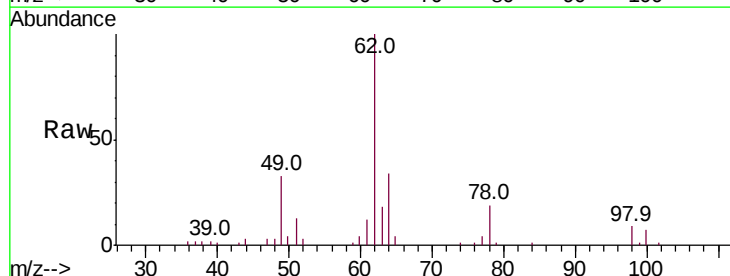
Instrument :
MSVOA_V
ClientSampleId :

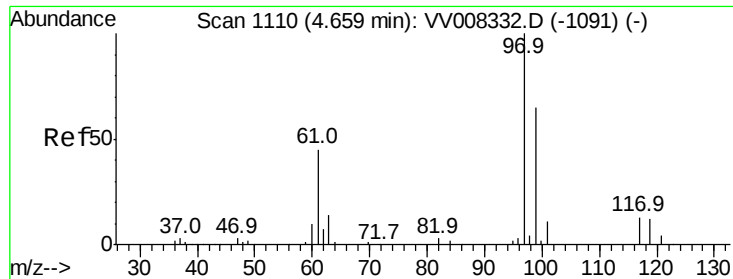
Tot Ion: 83 Resp: 74028
Ion Ratio Lower Upper
83 100
85 62.8 43.4 80.6



#27
1,2-Dichloroethane
Concen: 5.006 ug/L
RT: 5.19 min Scan# 1274
Delta R.T. -0.00 min
Lab File: VV008354.D
Acq: 18 Oct 2018 20:45

Tgt Ion: 62 Resp: 44008
Ion Ratio Lower Upper
62 100
98 9.2 7.6 11.4

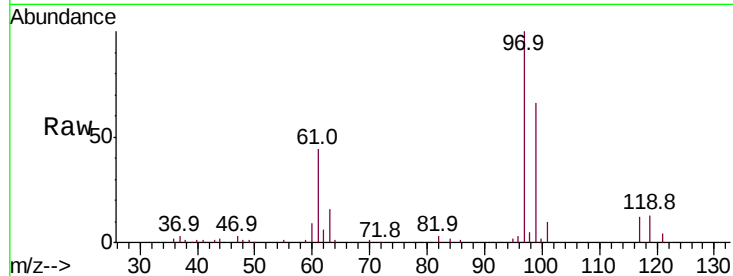




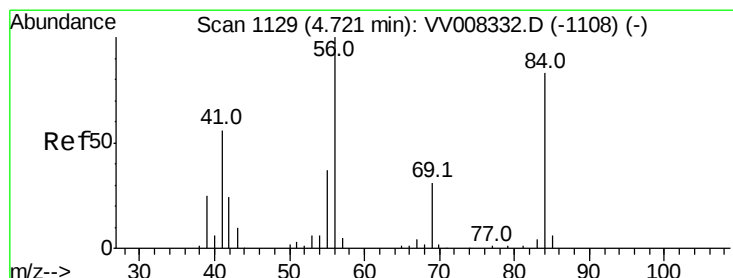
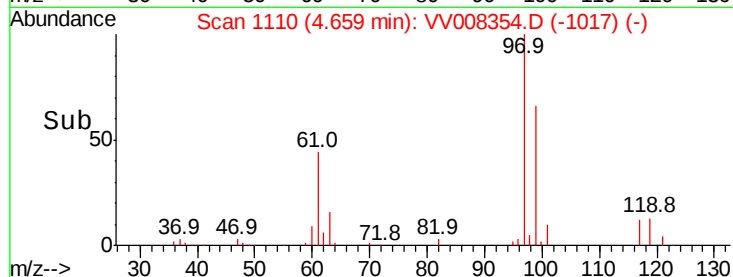
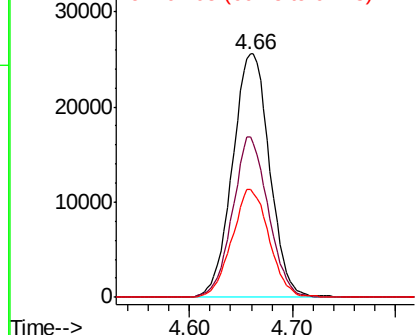
#29
1,1,1-Trichloroethane
Concen: 5.017 ug/L
RT: 4.66 min Scan# 1110
Delta R.T. -0.00 min
Lab File: VV008354.D
Acq: 18 Oct 2018 20:45

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 97 Resp: 63772
Ion Ratio Lower Upper
97 100
99 63.5 51.6 77.4
61 44.7 37.0 55.6

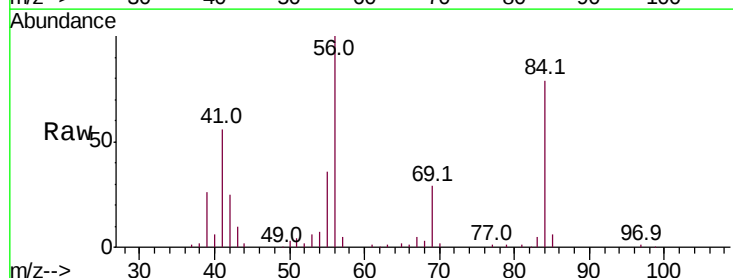


Abundance Ion 96.95 (96.65 to 97.65): VV0
Ion 99.05 (98.75 to 99.75): VV0
Ion 61.05 (60.75 to 61.75): VV0

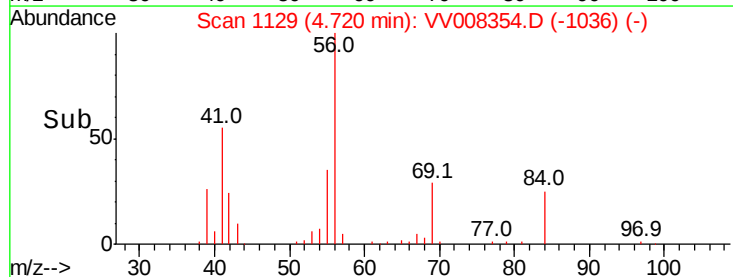
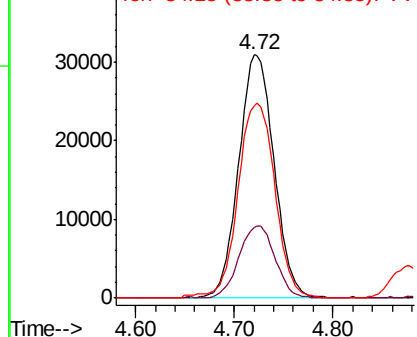


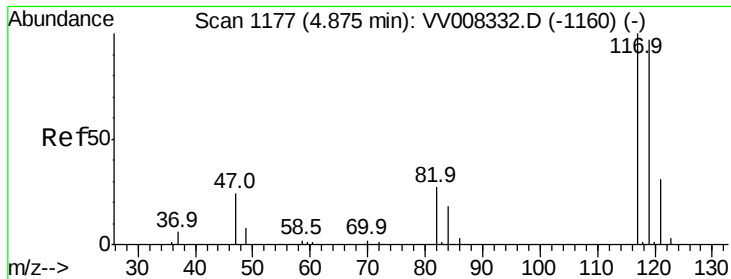
#30
Cyclohexane
Concen: 4.817 ug/L
RT: 4.72 min Scan# 1129
Delta R.T. -0.00 min
Lab File: VV008354.D
Acq: 18 Oct 2018 20:45

Tgt Ion: 56 Resp: 76971
Ion Ratio Lower Upper
56 100
69 30.2 24.3 36.5
84 83.7 64.1 96.1



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



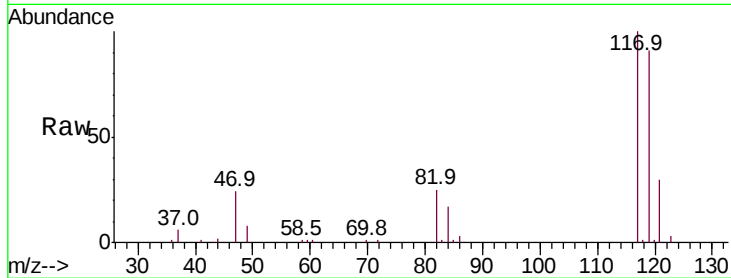


#31

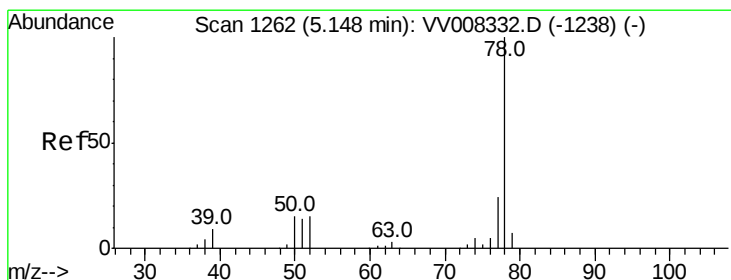
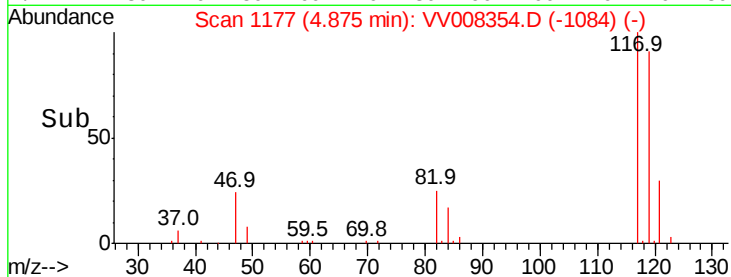
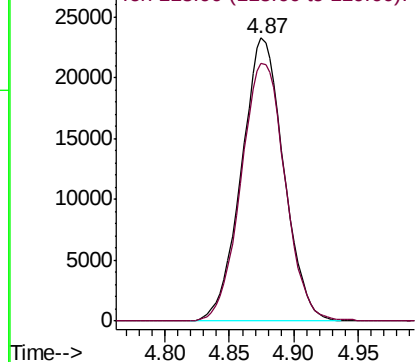
Carbon tetrachloride
Concen: 4.969 ug/L
RT: 4.87 min Scan# 1177
Delta R.T. -0.00 min
Lab File: VV008354.D
Acq: 18 Oct 2018 20:45

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:117 Resp: 53105
Ion Ratio Lower Upper
117 100
119 95.0 75.5 113.3



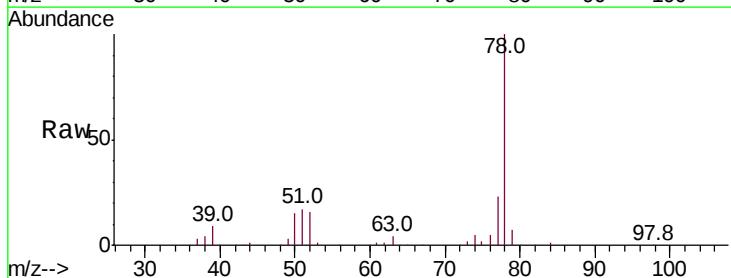
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 118.90 (118.60 to 119.60): V



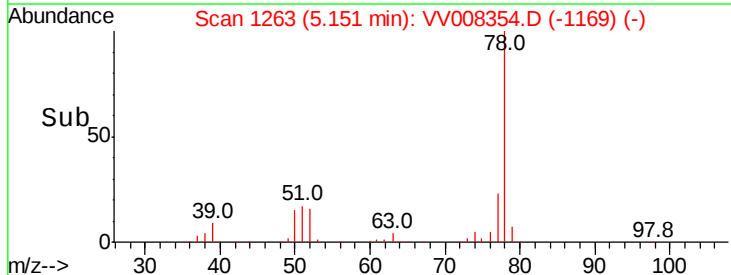
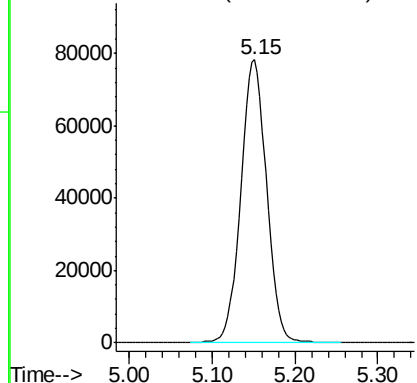
#33

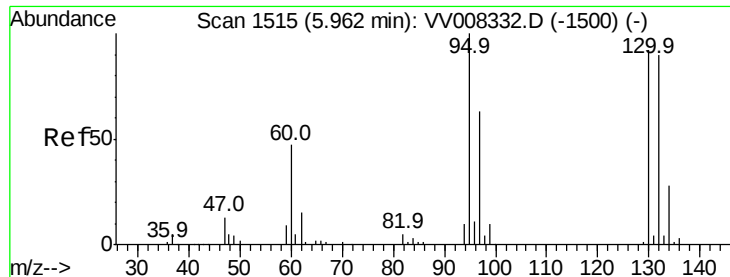
Benzene
Concen: 4.948 ug/L
RT: 5.15 min Scan# 1263
Delta R.T. 0.00 min
Lab File: VV008354.D
Acq: 18 Oct 2018 20:45

Tgt Ion: 78 Resp: 170189



Abundance Ion 78.10 (77.80 to 78.80): VV0

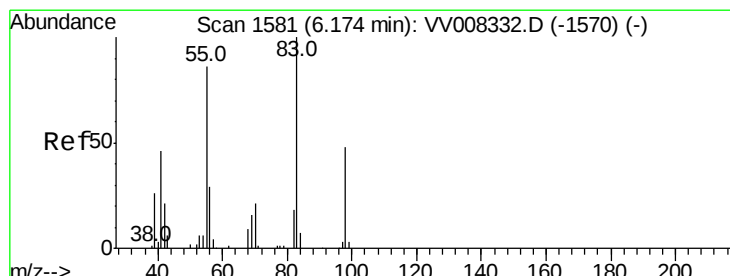
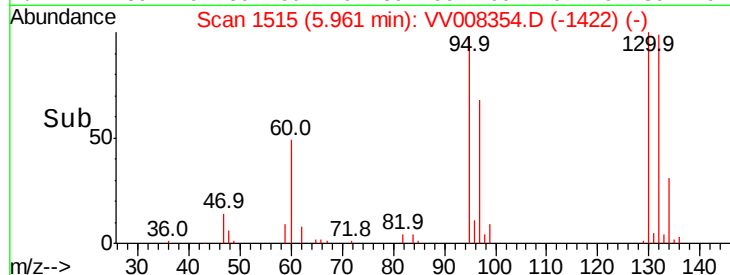
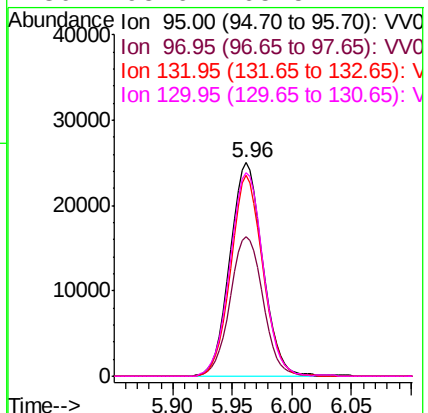
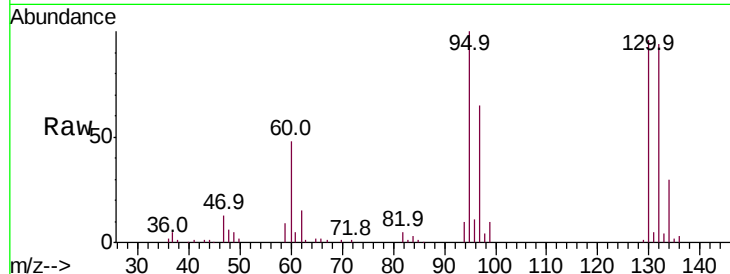




#34
 Trichloroethene
 Concen: 5.033 ug/L
 RT: 5.96 min Scan# 1515
 Delta R.T. -0.00 min
 Lab File: VV008354.D
 Acq: 18 Oct 2018 20:45

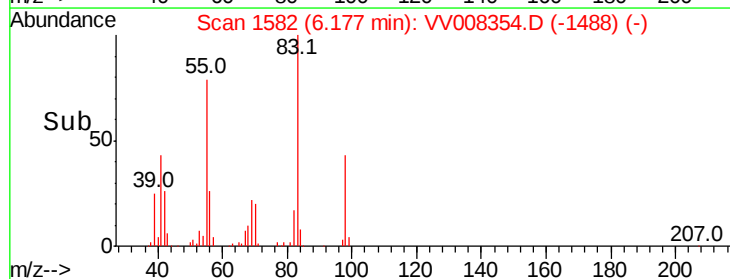
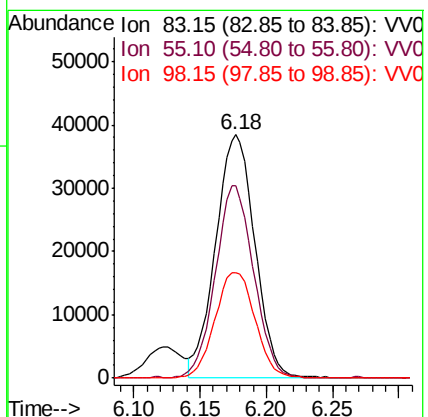
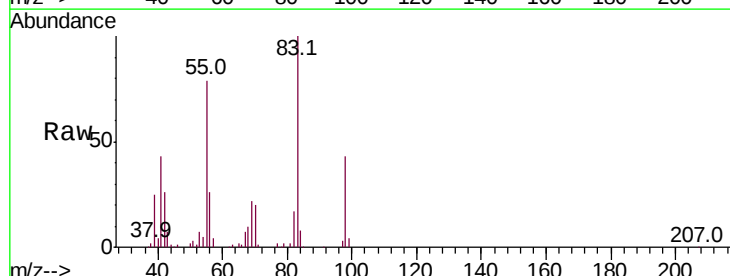
Instrument :
 MSVOA_V
 ClientSampleId :

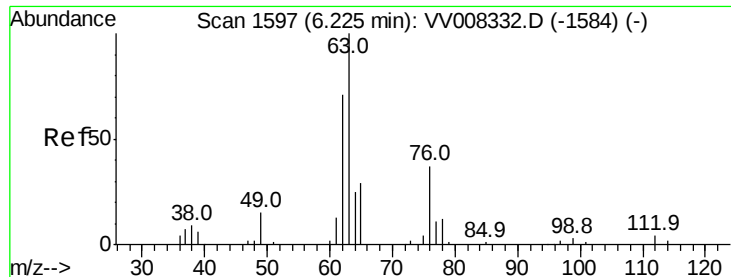
Tot Ion: 95 Resp: 47976
 Ion Ratio Lower Upper
 95 100
 97 65.1 44.4 82.4
 132 94.2 60.4 112.2
 130 95.6 65.5 121.7



#35
 Methylcyclohexane
 Concen: 4.920 ug/L
 RT: 6.18 min Scan# 1582
 Delta R.T. 0.00 min
 Lab File: VV008354.D
 Acq: 18 Oct 2018 20:45

Tgt Ion: 83 Resp: 79075
 Ion Ratio Lower Upper
 83 100
 55 76.3 64.0 96.0
 98 44.5 37.0 55.4

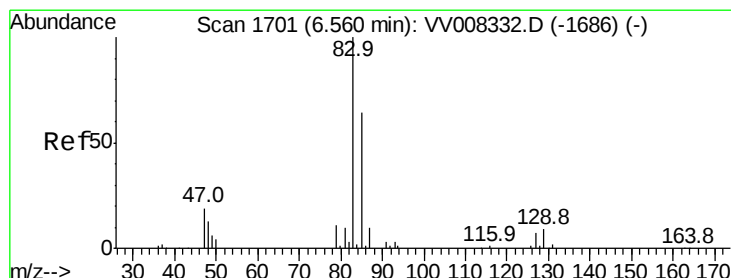
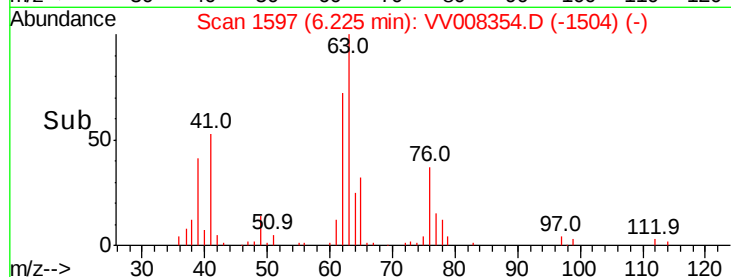
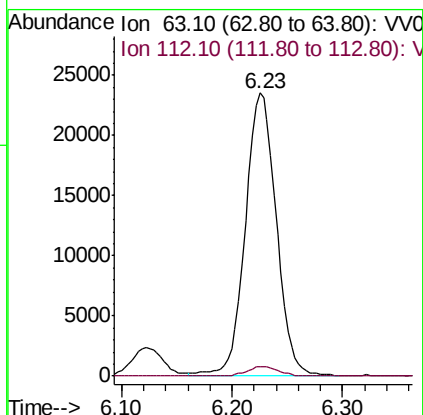
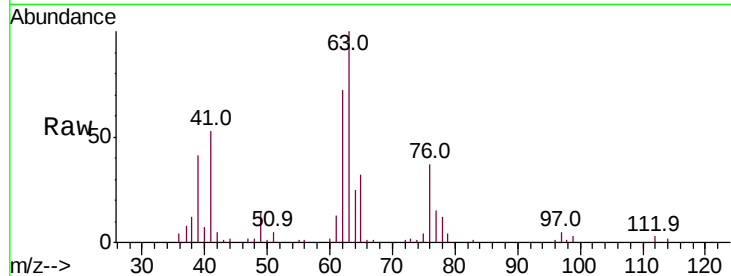




#37
 1,2-Dichloropropane
 Concen: 4.950 ug/L
 RT: 6.23 min Scan# 1597
 Delta R.T. -0.00 min
 Lab File: VV008354.D
 Acq: 18 Oct 2018 20:45

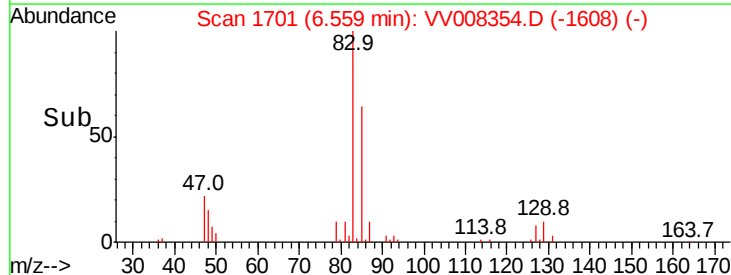
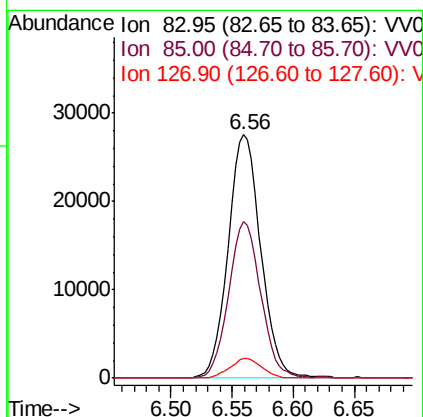
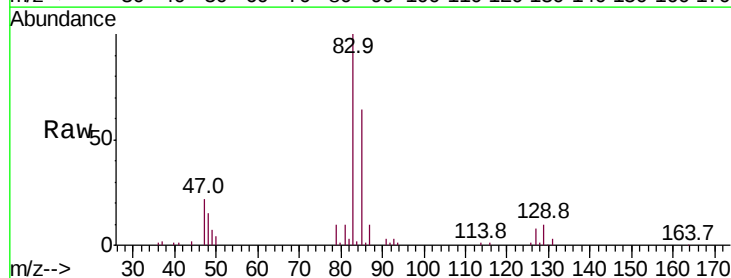
Instrument :
 MSVOA_V
 ClientSampled :

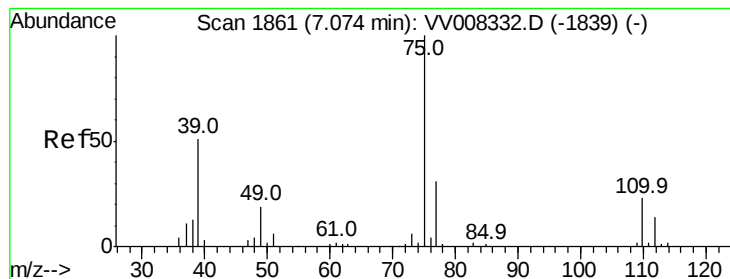
Tot Ion: 63 Resp: 45943
 Ion Ratio Lower Upper
 63 100
 112 3.3 2.6 3.8



#38
 Bromodichloromethane
 Concen: 4.927 ug/L
 RT: 6.56 min Scan# 1701
 Delta R.T. -0.00 min
 Lab File: VV008354.D
 Acq: 18 Oct 2018 20:45

Tgt Ion: 83 Resp: 51365
 Ion Ratio Lower Upper
 83 100
 85 64.2 44.3 82.3
 127 8.1 6.6 10.0



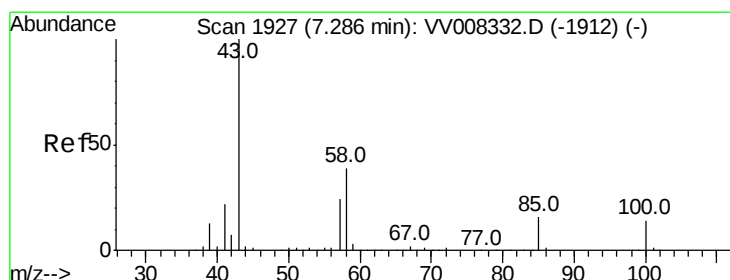
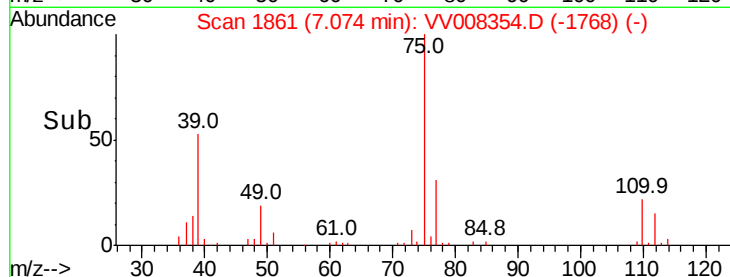
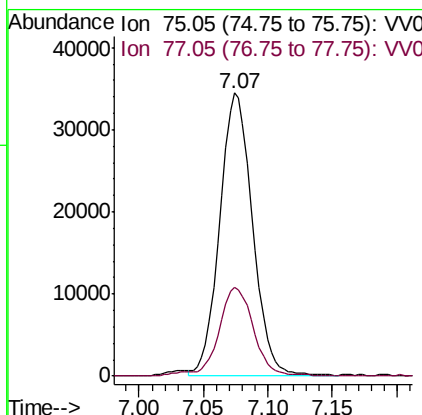
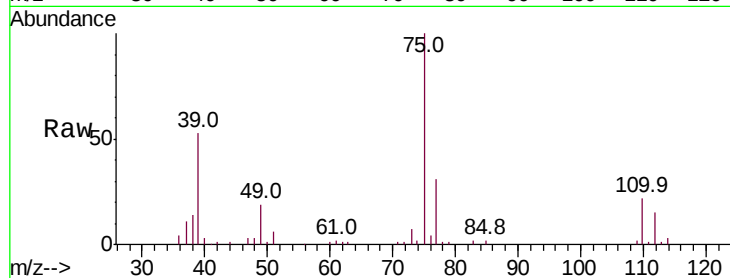


#39

cis-1,3-Dichloropropene
Concen: 4.551 ug/L
RT: 7.07 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VV008354.D
Acq: 18 Oct 2018 20:45

Instrument :
MSVOA_V
ClientSampleId :

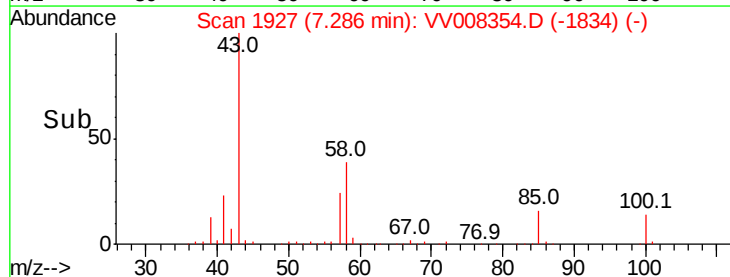
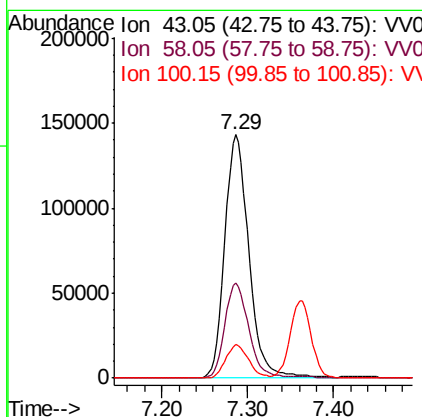
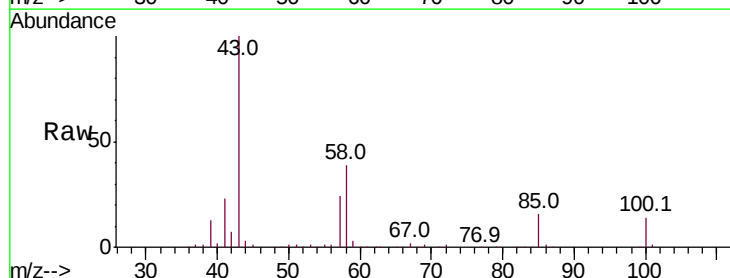
Tot Ion: 75 Resp: 60267
Ion Ratio Lower Upper
75 100
77 31.5 22.3 41.3

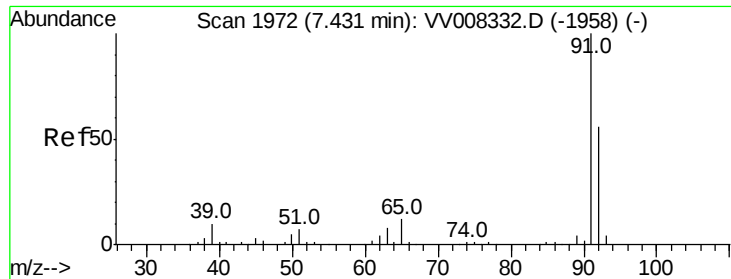


#40

4-Methyl-2-pentanone
Concen: 49.192 ug/L
RT: 7.29 min Scan# 1927
Delta R.T. -0.00 min
Lab File: VV008354.D
Acq: 18 Oct 2018 20:45

Tgt Ion: 43 Resp: 279594
Ion Ratio Lower Upper
43 100
58 38.5 31.3 46.9
100 13.1 10.5 15.7





#42

Toluene

Concen: 5.089 ug/L

RT: 7.43 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VV008354.D

Acq: 18 Oct 2018 20:45

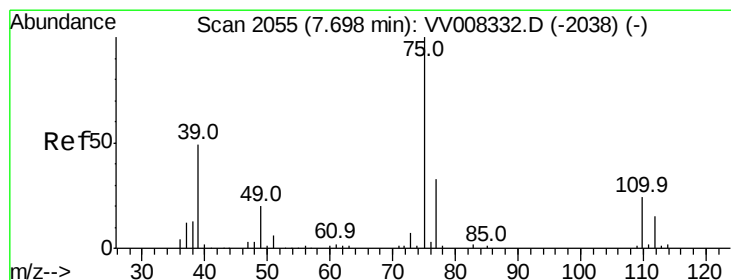
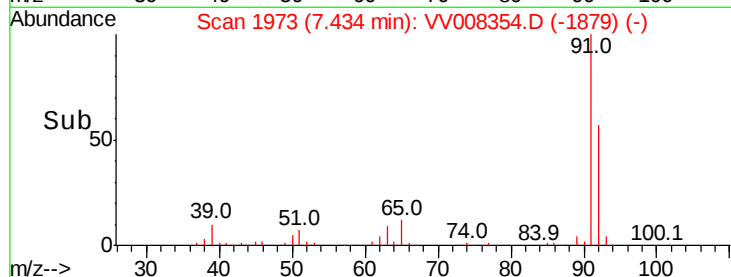
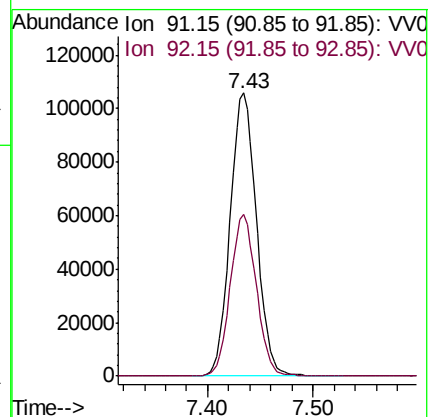
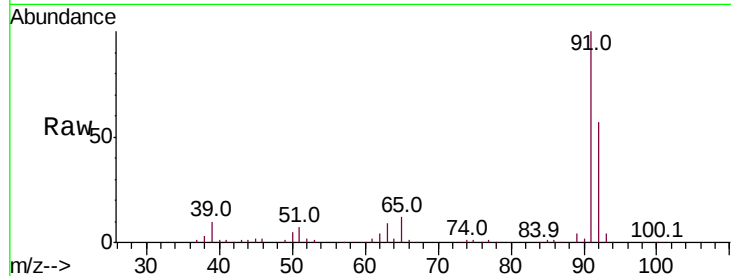
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 91 Resp: 182458

Ion Ratio Lower Upper

91 100

92 57.1 40.1 74.5



#44

trans-1,3-Dichloropropene

Concen: 4.710 ug/L

RT: 7.70 min Scan# 2055

Delta R.T. -0.00 min

Lab File: VV008354.D

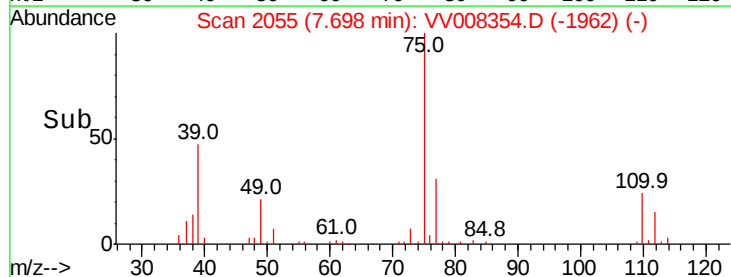
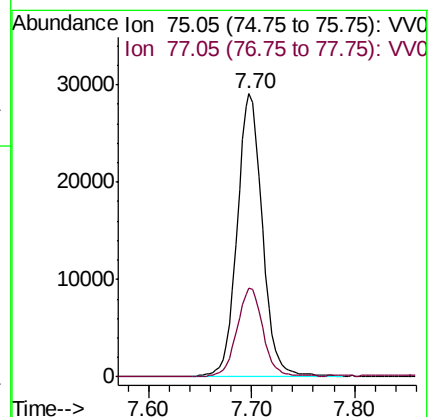
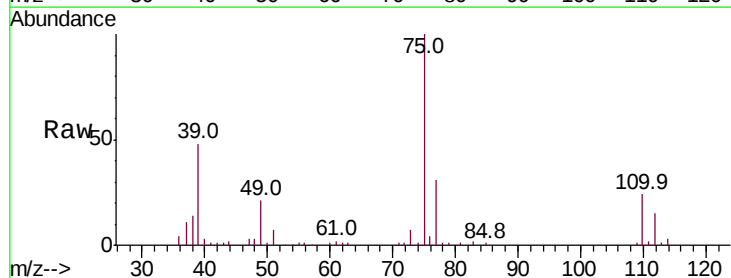
Acq: 18 Oct 2018 20:45

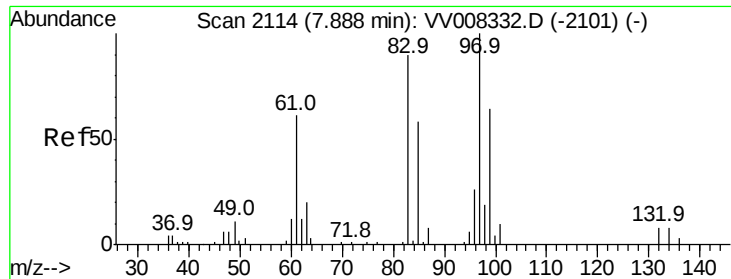
Tgt Ion: 75 Resp: 49912

Ion Ratio Lower Upper

75 100

77 31.4 22.3 41.5





#45

1,1,2-Trichloroethane

Concen: 4.960 ug/L

RT: 7.89 min Scan# 2114

Delta R.T. -0.00 min

Lab File: VV008354.D

Acq: 18 Oct 2018 20:45

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 97 Resp: 28579

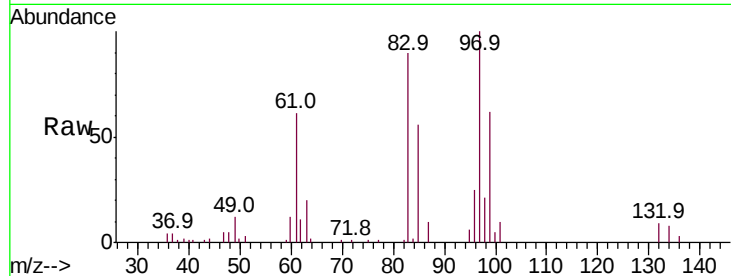
Ion Ratio Lower Upper

97 100

99 62.4 44.1 81.9

83 89.7 63.7 118.3

85 56.1 40.7 75.7



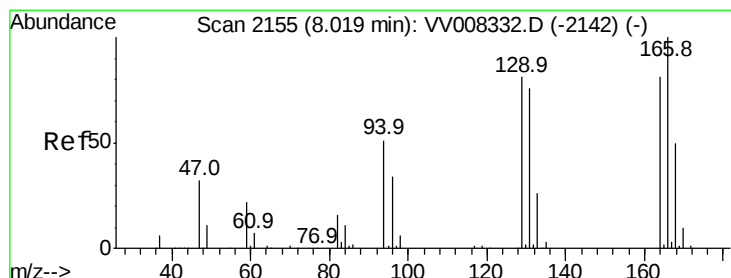
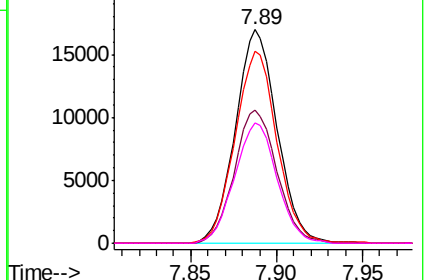
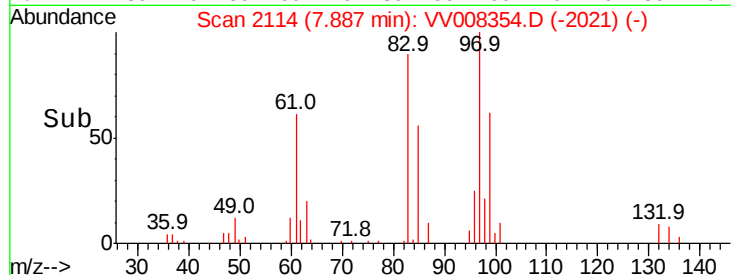
Abundance

Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0



#47

Tetrachloroethene

Concen: 5.068 ug/L

RT: 8.02 min Scan# 2155

Delta R.T. -0.00 min

Lab File: VV008354.D

Acq: 18 Oct 2018 20:45

Tgt Ion:164 Resp: 30265

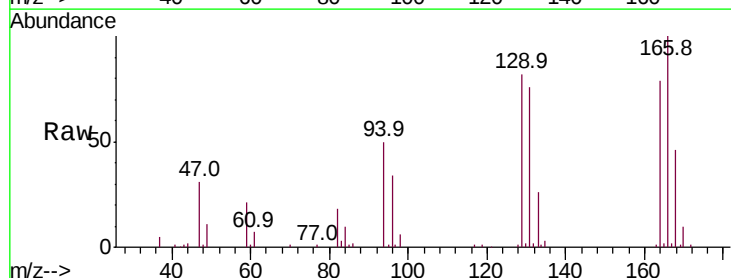
Ion Ratio Lower Upper

164 100

129 103.0 76.5 142.1

131 95.6 74.7 138.7

166 126.3 91.6 170.0



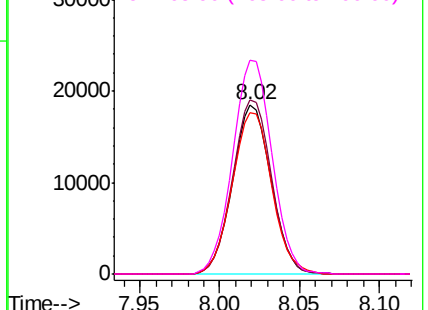
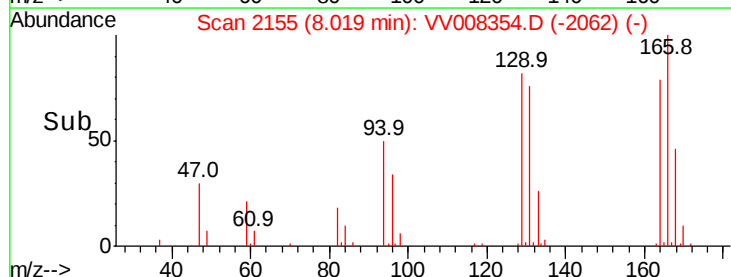
Abundance

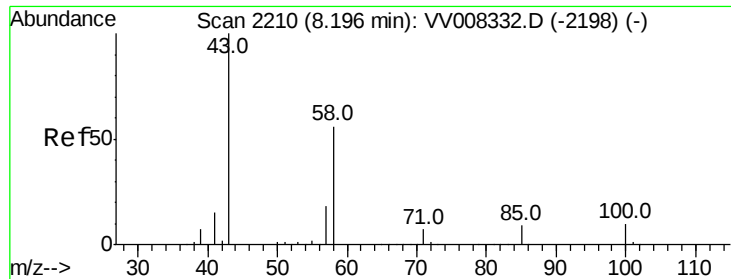
Ion 163.90 (163.60 to 164.60): V

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

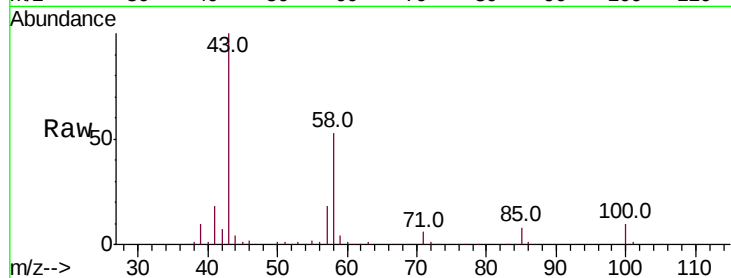




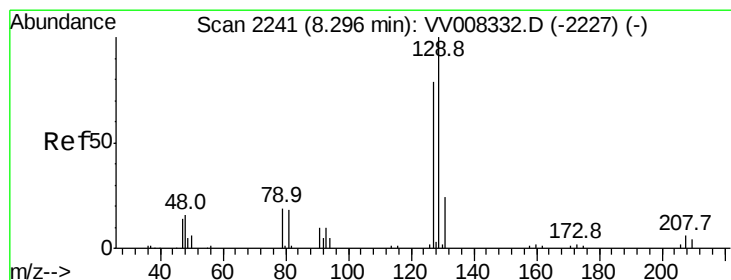
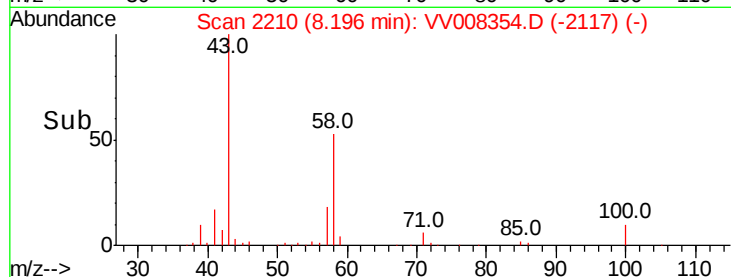
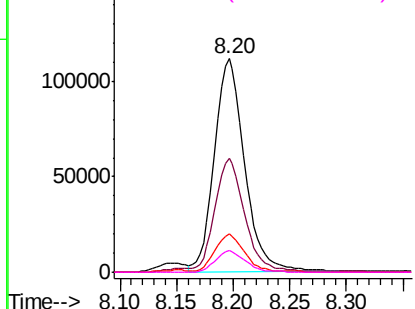
#48
2-Hexanone
Concen: 49.670 ug/L
RT: 8.20 min Scan# 2210
Delta R.T. -0.00 min
Lab File: VV008354.D
Acq: 18 Oct 2018 20:45

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 206338
Ion Ratio Lower Upper
43 100
58 55.1 45.0 67.4
57 17.6 14.4 21.6
100 10.1 7.9 11.9

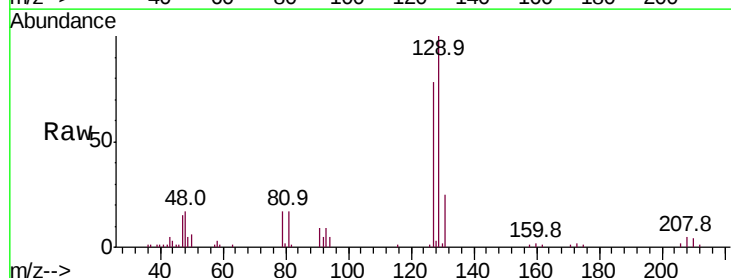


Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0

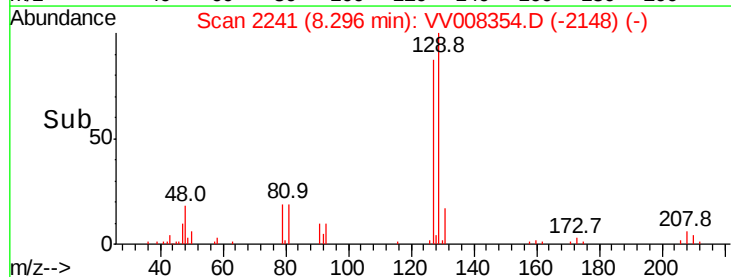
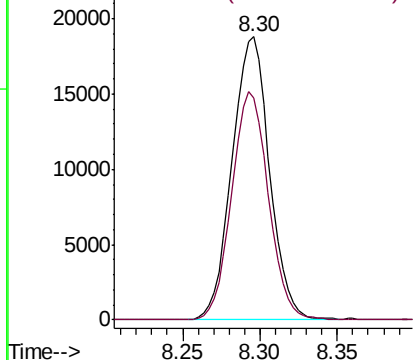


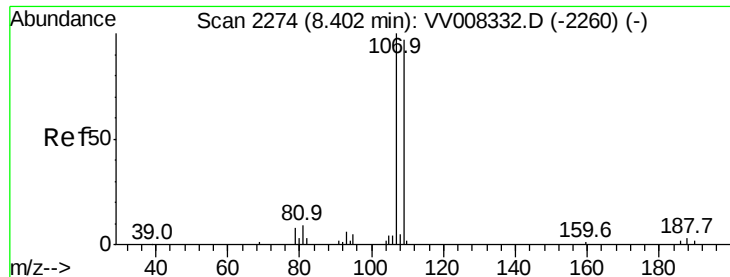
#49
Dibromochloromethane
Concen: 4.818 ug/L
RT: 8.30 min Scan# 2241
Delta R.T. -0.00 min
Lab File: VV008354.D
Acq: 18 Oct 2018 20:45

Tgt Ion: 129 Resp: 31638
Ion Ratio Lower Upper
129 100
127 78.3 54.7 101.7



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

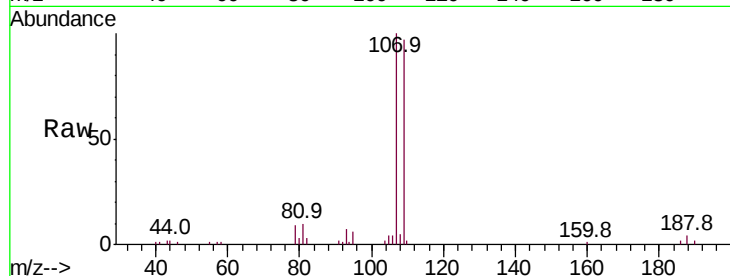




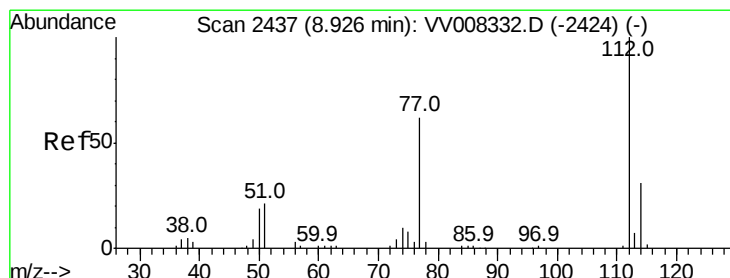
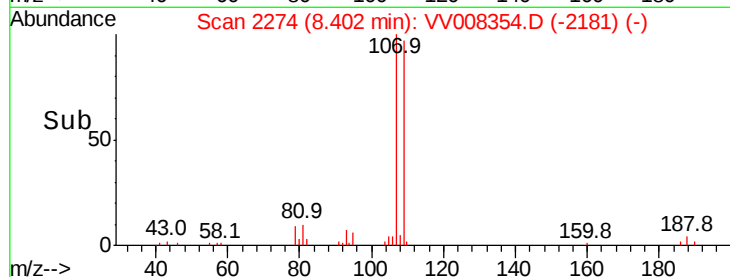
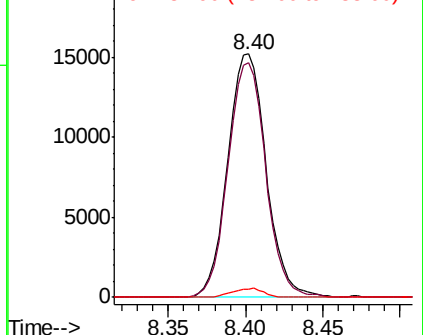
#50
1,2-Dibromoethane
Concen: 4.846 ug/L
RT: 8.40 min Scan# 2274
Delta R.T. -0.00 min
Lab File: VV008354.D
Acq: 18 Oct 2018 20:45

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:107 Resp: 26170
Ion Ratio Lower Upper
107 100
109 96.6 69.6 129.2
188 3.6 2.9 4.3

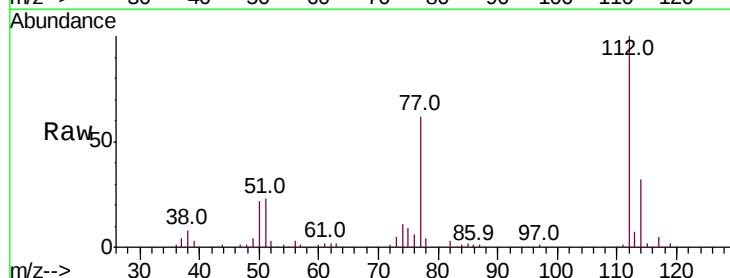


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

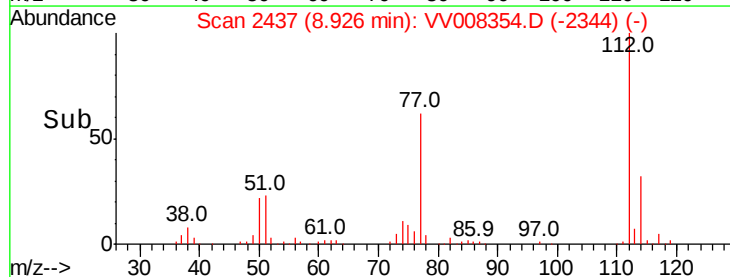
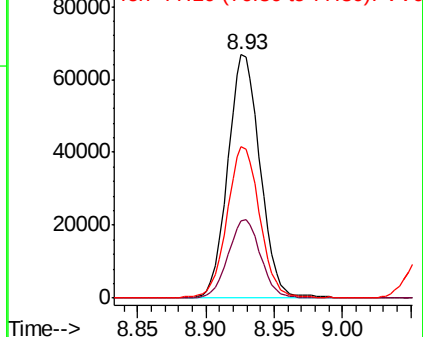


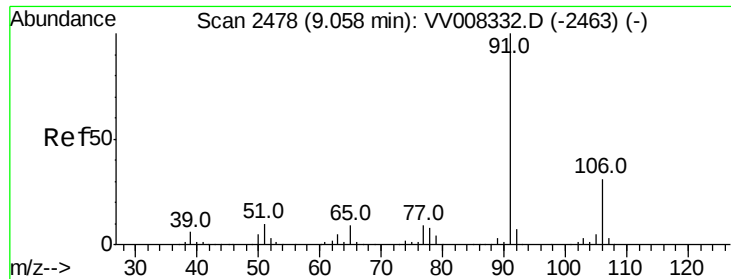
#51
Chlorobenzene
Concen: 5.161 ug/L
RT: 8.93 min Scan# 2437
Delta R.T. -0.00 min
Lab File: VV008354.D
Acq: 18 Oct 2018 20:45

Tgt Ion:112 Resp: 109943
Ion Ratio Lower Upper
112 100
114 31.6 21.6 40.0
77 62.3 49.7 74.5



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: 5.121 ug/L

RT: 9.06 min Scan# 2478

Delta R.T. -0.00 min

Lab File: VV008354.D

Acq: 18 Oct 2018 20:45

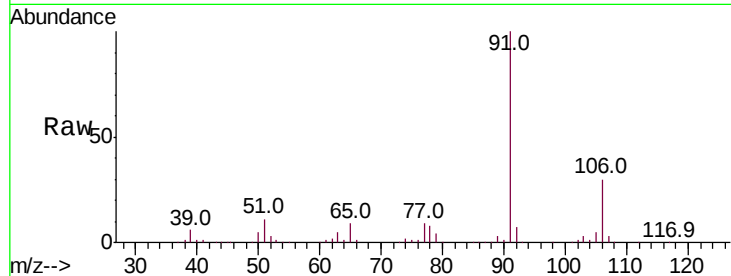
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 91 Resp: 201871

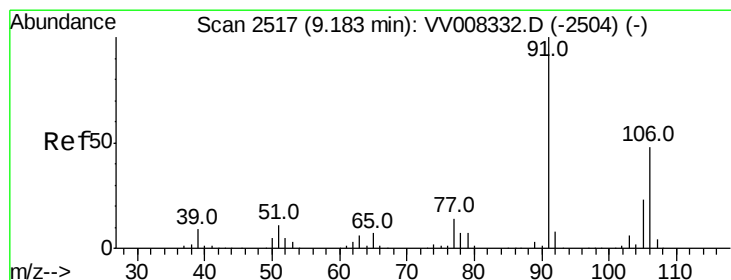
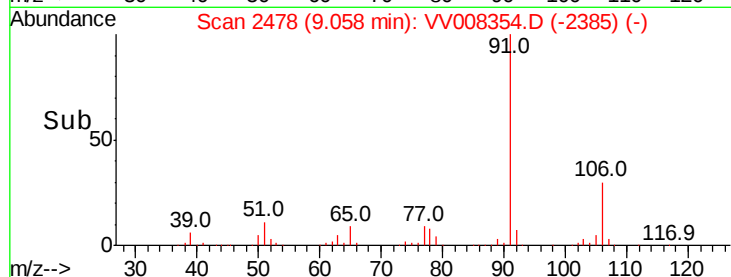
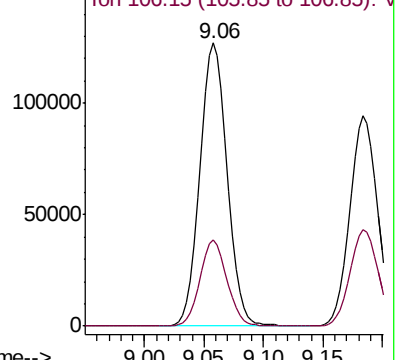
Ion Ratio Lower Upper

91 100

106 30.4 21.6 40.2



Abundance Ion 91.15 (90.85 to 91.85): VV008354.D (-2385) (-)



#53

m,p-xylene

Concen: 5.050 ug/L

RT: 9.18 min Scan# 2517

Delta R.T. -0.00 min

Lab File: VV008354.D

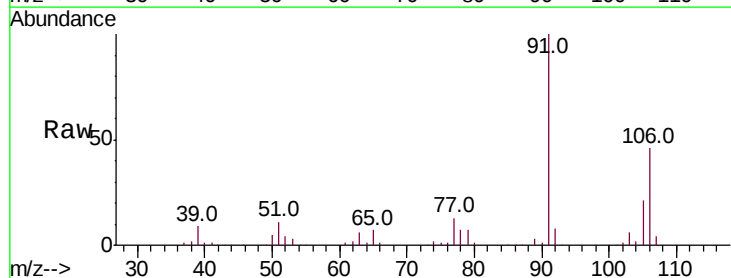
Acq: 18 Oct 2018 20:45

Tgt Ion: 106 Resp: 72017

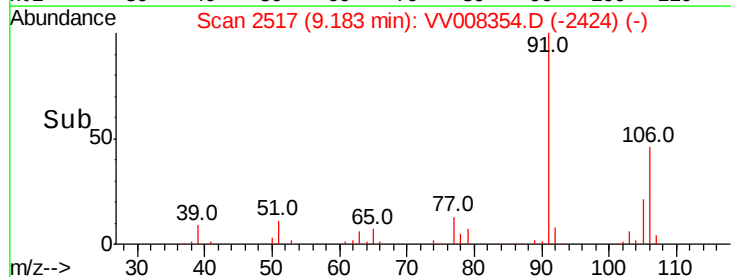
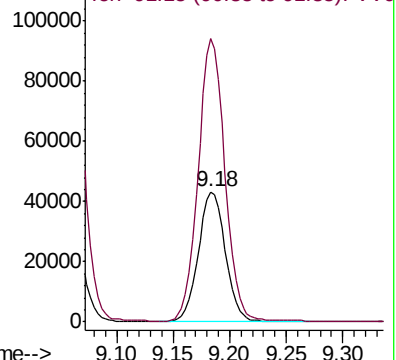
Ion Ratio Lower Upper

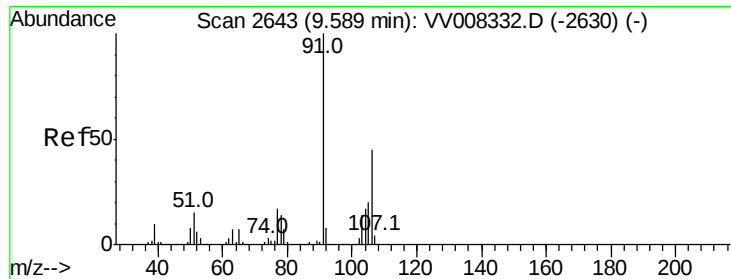
106 100

91 217.3 145.2 269.6



Abundance Ion 106.15 (105.85 to 106.85): VV008354.D (-2424) (-)

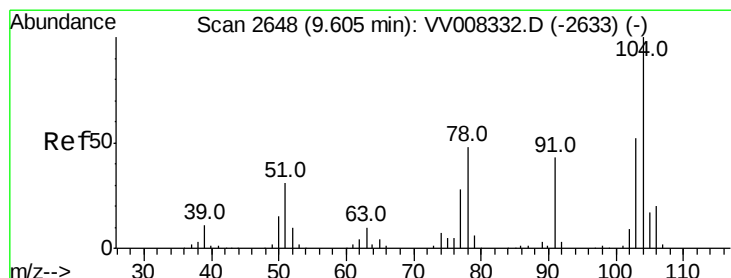
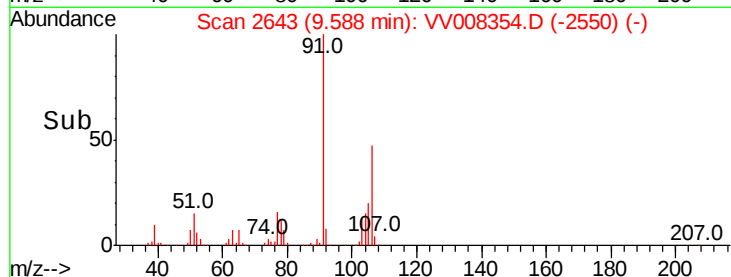
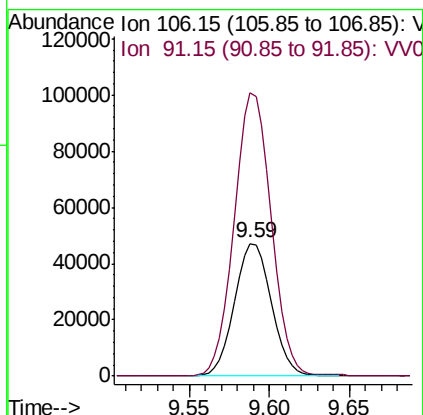
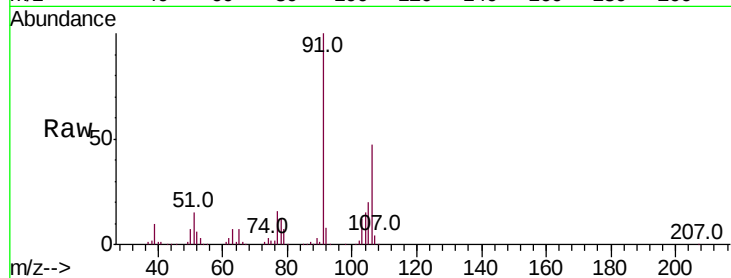




#54
o-xylene
Concen: 5.214 ug/L
RT: 9.59 min Scan# 2643
Delta R.T. -0.00 min
Lab File: VV008354.D
Acq: 18 Oct 2018 20:45

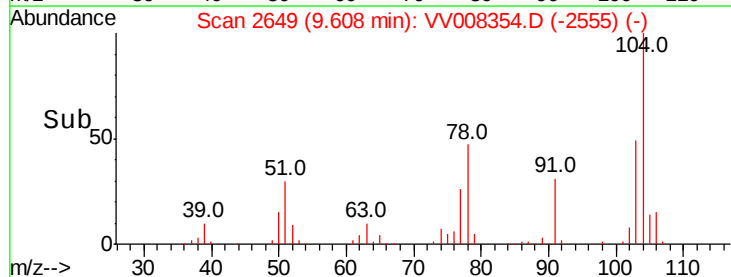
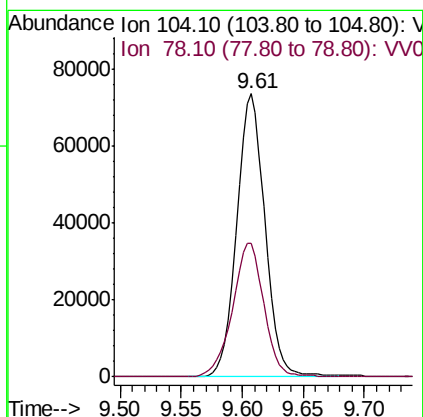
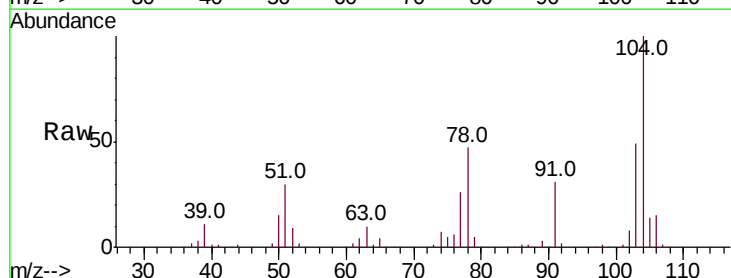
Instrument :
MSVOA_V
ClientSampleId :

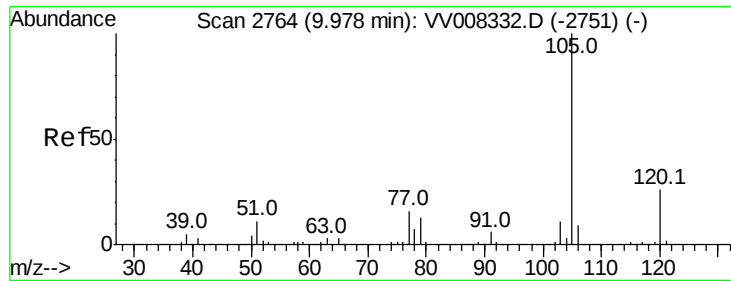
Tot Ion:106 Resp: 74072
Ion Ratio Lower Upper
106 100
91 213.8 153.2 284.4



#55
Styrene
Concen: 5.150 ug/L
RT: 9.61 min Scan# 2649
Delta R.T. 0.00 min
Lab File: VV008354.D
Acq: 18 Oct 2018 20:45

Tgt Ion:104 Resp: 117703
Ion Ratio Lower Upper
104 100
78 47.2 32.5 60.3





#56

Isopropylbenzene

Concen: 5.172 ug/L

RT: 9.98 min Scan# 2764

Delta R.T. -0.00 min

Lab File: VV008354.D

Acq: 18 Oct 2018 20:45

Instrument :

MSVOA_V

ClientSampleId :

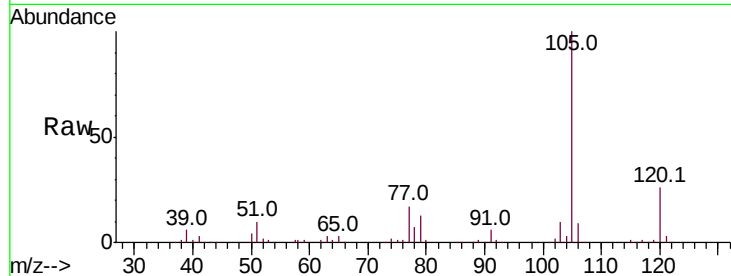
Tot Ion:105 Resp: 193611

Ion Ratio Lower Upper

105 100

120 26.1 21.2 31.8

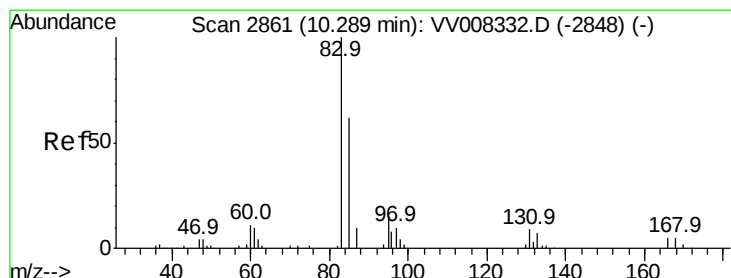
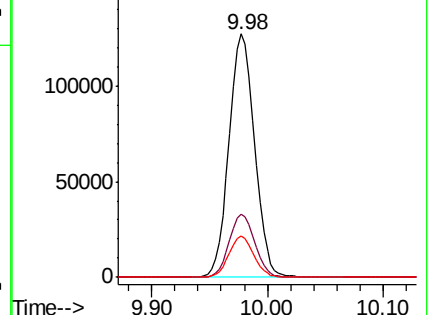
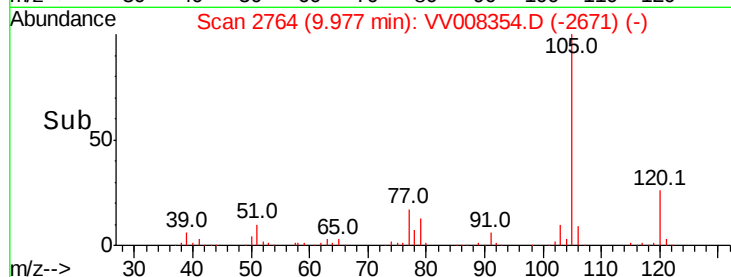
77 16.6 13.0 19.6



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 4.638 ug/L

RT: 10.29 min Scan# 2861

Delta R.T. -0.00 min

Lab File: VV008354.D

Acq: 18 Oct 2018 20:45

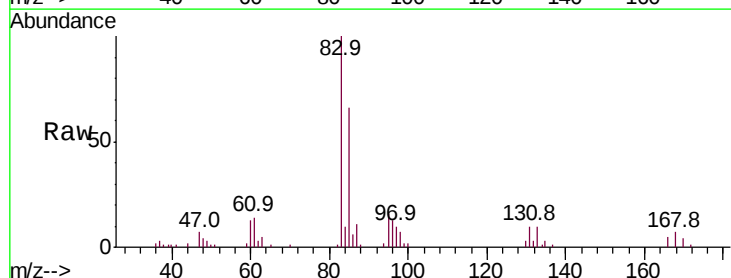
Tgt Ion: 83 Resp: 30402

Ion Ratio Lower Upper

83 100

85 66.4 45.6 84.6

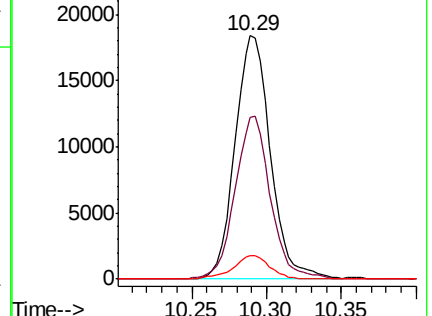
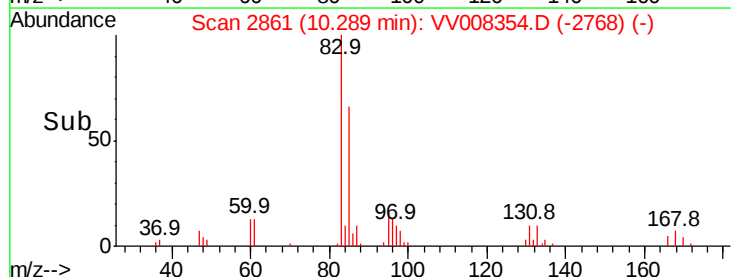
131 9.8 6.6 10.0

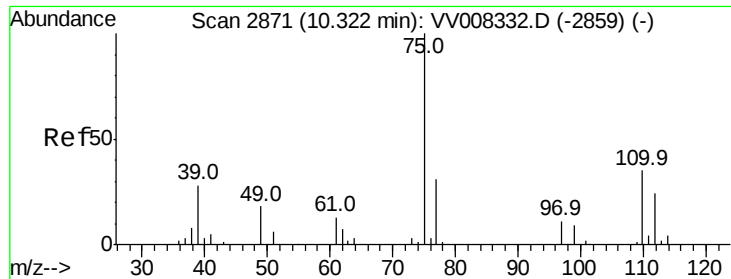


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V

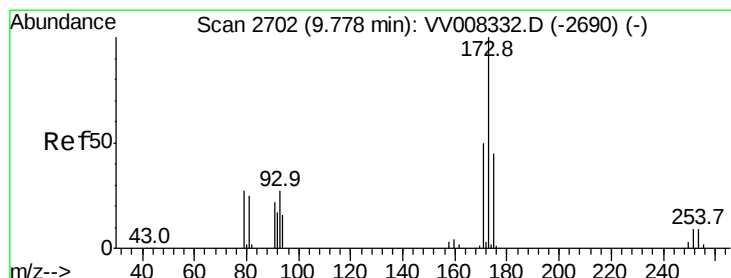
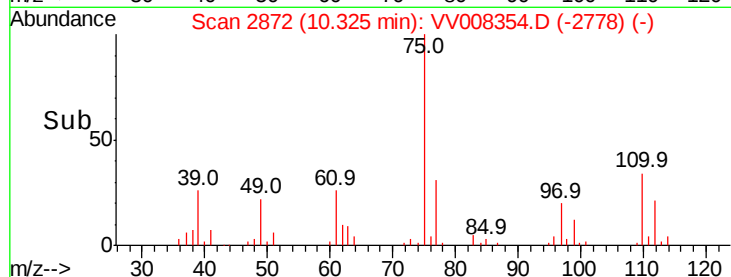
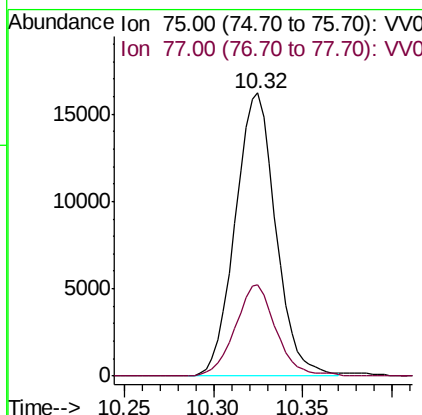
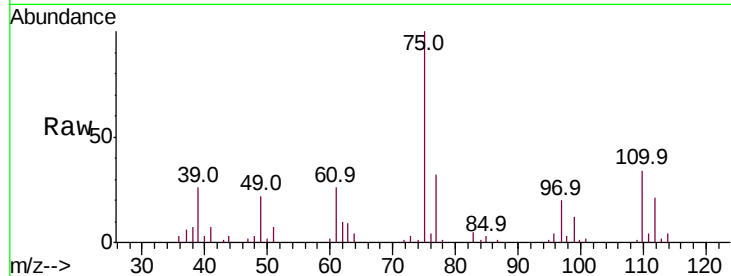




#59
 1,2,3-Trichloropropane
 Concen: 4.962 ug/L
 RT: 10.32 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VV008354.D
 Acq: 18 Oct 2018 20:45

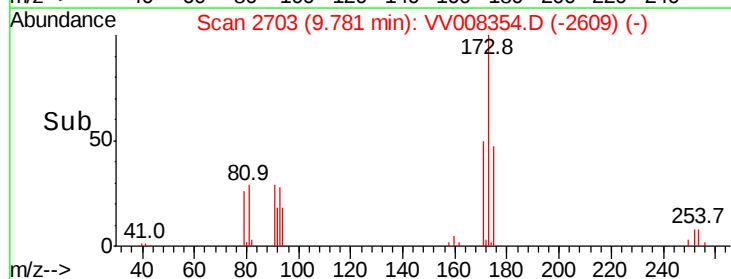
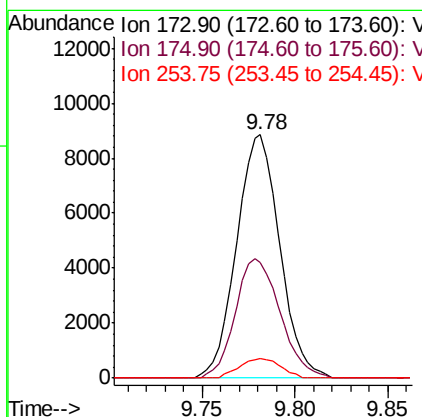
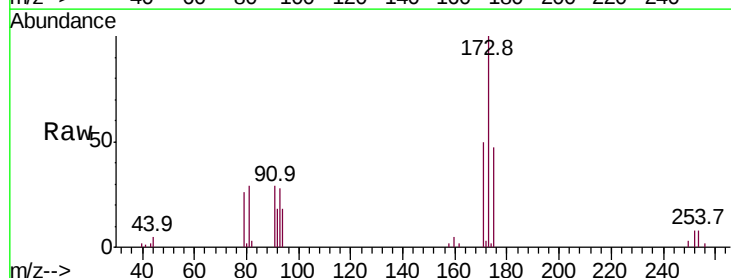
Instrument :
 MSVOA_V
 ClientSampleId :

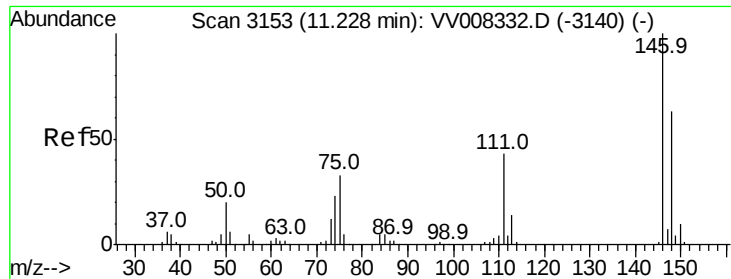
Tot Ion: 75 Resp: 25768
 Ion Ratio Lower Upper
 75 100
 77 32.6 27.0 40.6



#61
 Bromoform
 Concen: 4.371 ug/L
 RT: 9.78 min Scan# 2703
 Delta R.T. 0.00 min
 Lab File: VV008354.D
 Acq: 18 Oct 2018 20:45

Tgt Ion:173 Resp: 14361
 Ion Ratio Lower Upper
 173 100
 175 50.8 38.7 58.1
 254 7.6 5.9 8.9

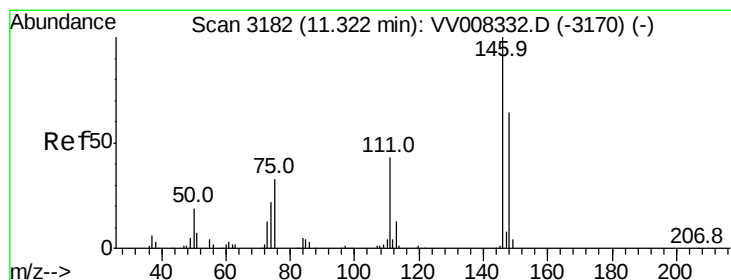
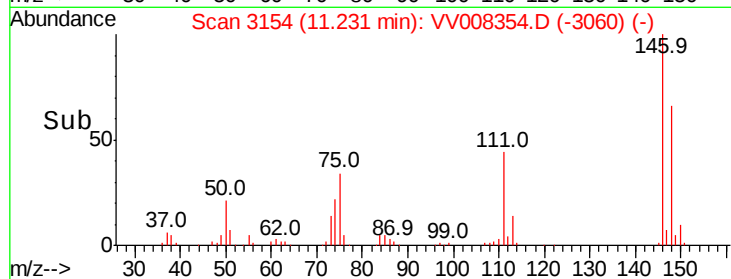
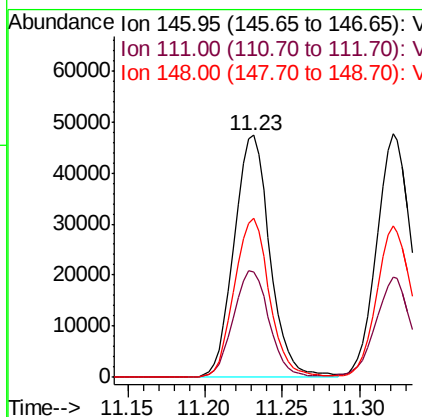
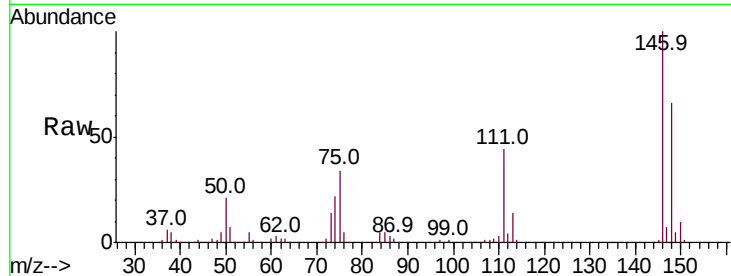




#62
 1,3-Dichlorobenzene
 Concen: 5.021 ug/L
 RT: 11.23 min Scan# 3154
 Delta R.T. 0.00 min
 Lab File: VV008354.D
 Acq: 18 Oct 2018 20:45

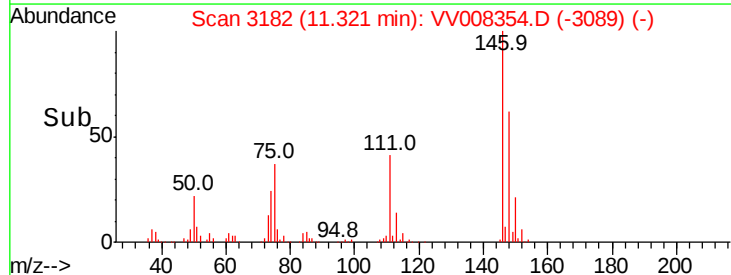
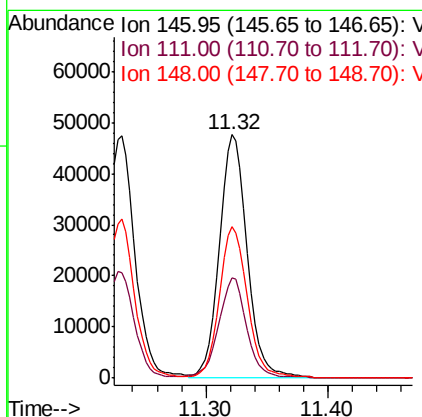
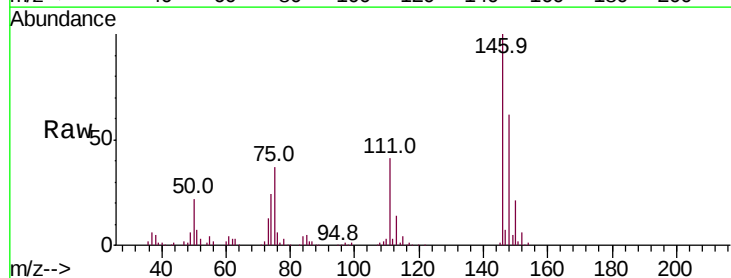
Instrument :
 MSVOA_V
 ClientSampleId :

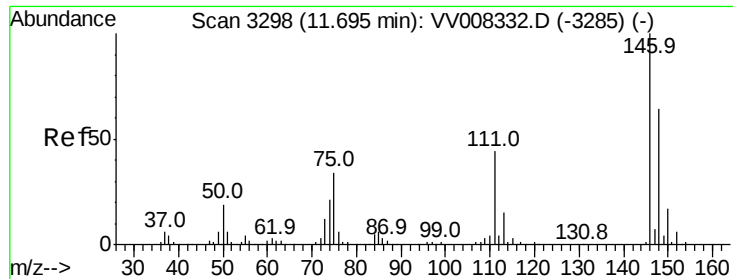
Tot Ion:146 Resp: 76370
 Ion Ratio Lower Upper
 146 100
 111 43.9 28.0 52.0
 148 65.7 42.9 79.7



#63
 1,4-Dichlorobenzene
 Concen: 5.093 ug/L
 RT: 11.32 min Scan# 3182
 Delta R.T. -0.00 min
 Lab File: VV008354.D
 Acq: 18 Oct 2018 20:45

Tgt Ion:146 Resp: 76706
 Ion Ratio Lower Upper
 146 100
 111 41.4 30.0 55.6
 148 62.2 44.5 82.7





#65

1,2-Dichlorobenzene

Concen: 5.016 ug/L

RT: 11.69 min Scan# 3298

Delta R.T. -0.00 min

Lab File: VV008354.D

Acq: 18 Oct 2018 20:45

Instrument :

MSVOA_V

ClientSampleId :

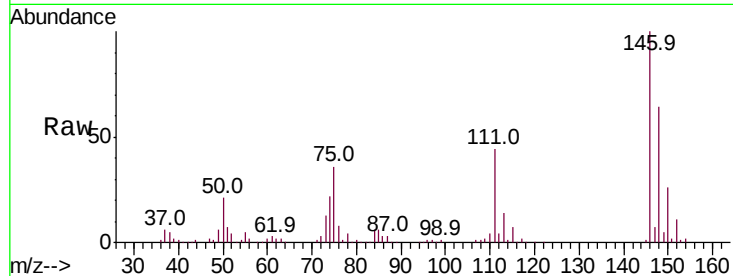
Tot Ion:146 Resp: 73146

Ion Ratio Lower Upper

146 100

111 44.5 35.5 53.3

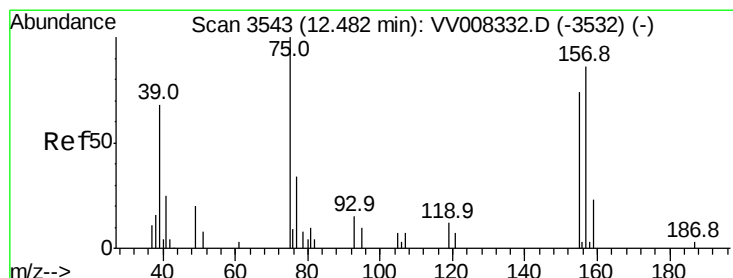
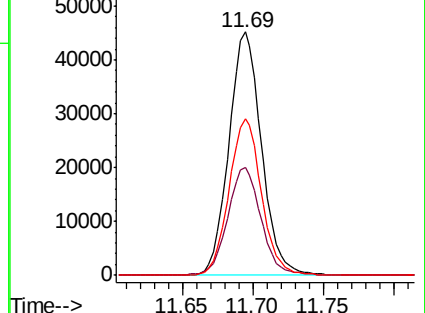
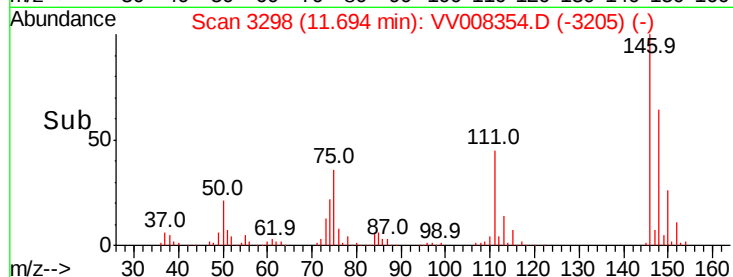
148 64.1 51.5 77.3



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 4.121 ug/L

RT: 12.48 min Scan# 3542

Delta R.T. -0.00 min

Lab File: VV008354.D

Acq: 18 Oct 2018 20:45

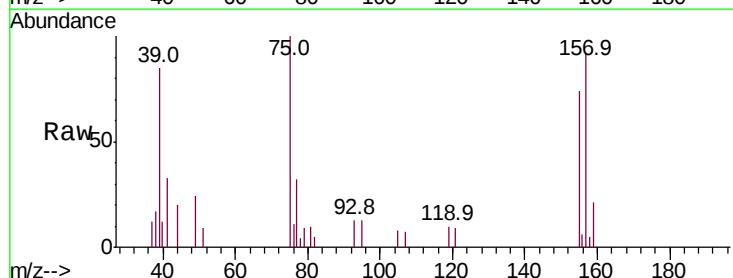
Tgt Ion: 75 Resp: 4533

Ion Ratio Lower Upper

75 100

155 73.7 63.6 95.4

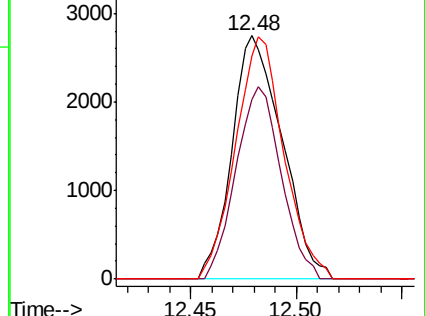
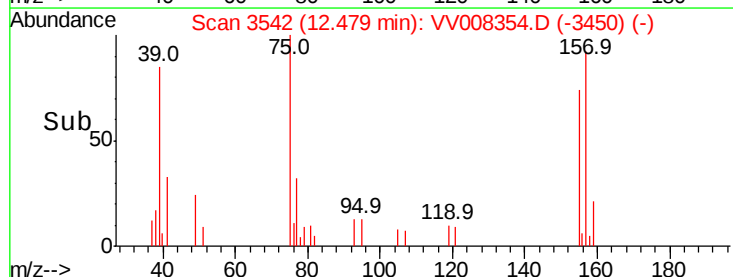
157 91.6 84.3 126.5

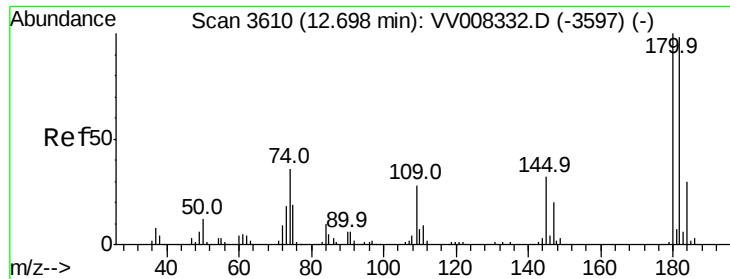


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

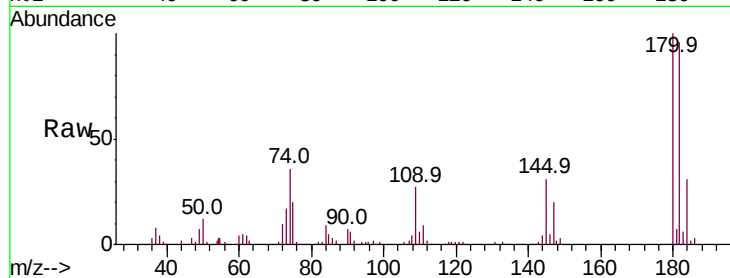




#67
 1,3,5-Trichlorobenzene
 Concen: 5.201 ug/L
 RT: 12.70 min Scan# 3610
 Delta R.T. -0.00 min
 Lab File: VV008354.D
 Acq: 18 Oct 2018 20:45

Instrument :
 MSVOA_V
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.5	74.5	111.7
184	30.7	23.5	35.3
145	32.1	25.9	38.9



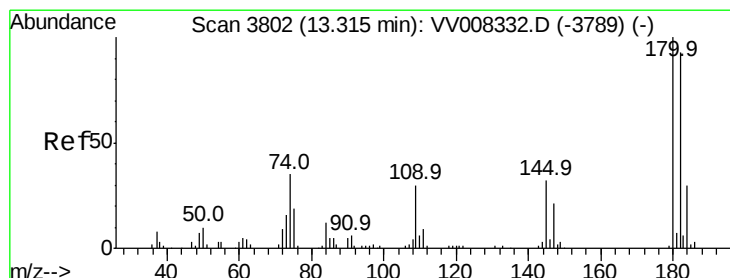
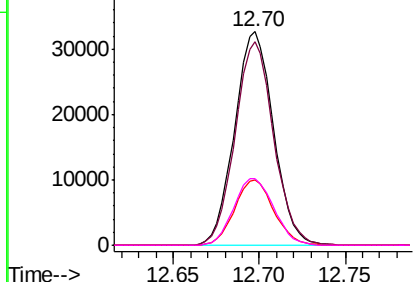
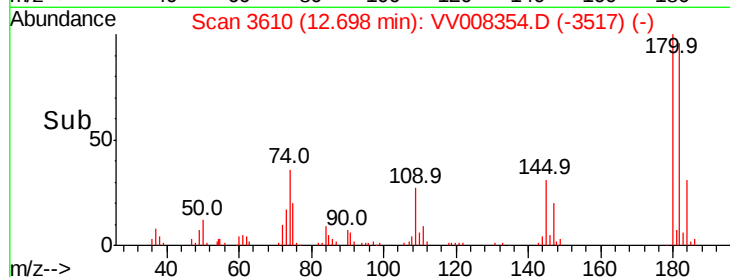
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

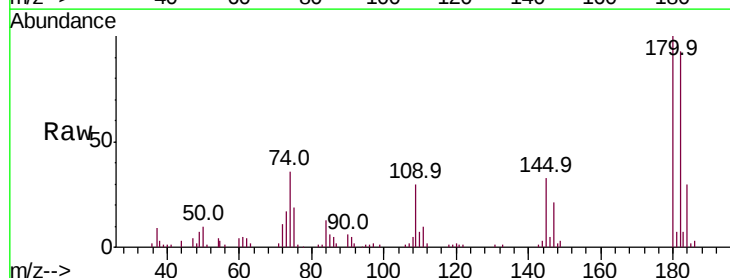
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 5.309 ug/L
 RT: 13.31 min Scan# 3802
 Delta R.T. -0.00 min
 Lab File: VV008354.D
 Acq: 18 Oct 2018 20:45

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.1	75.3	112.9
145	32.5	26.1	39.1

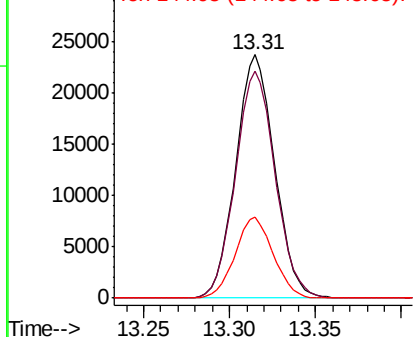
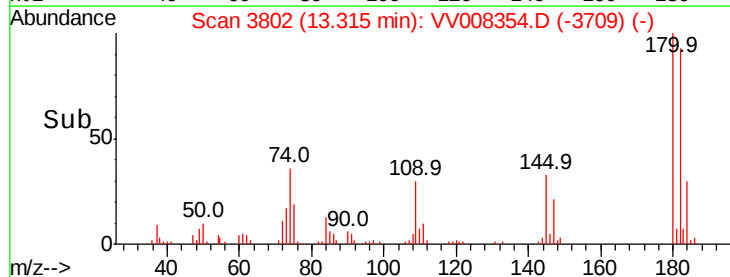


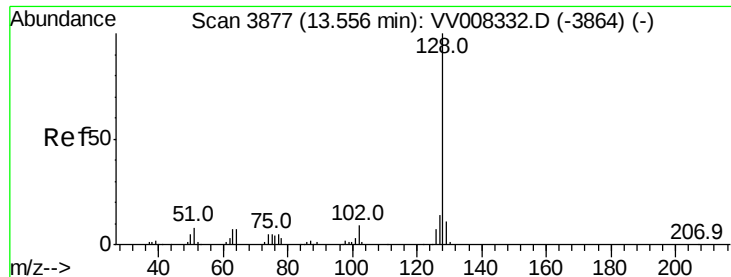
Abundance

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

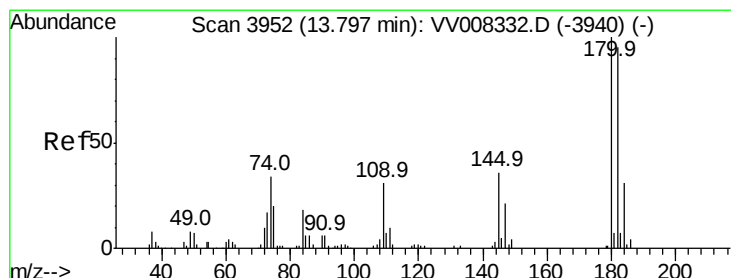
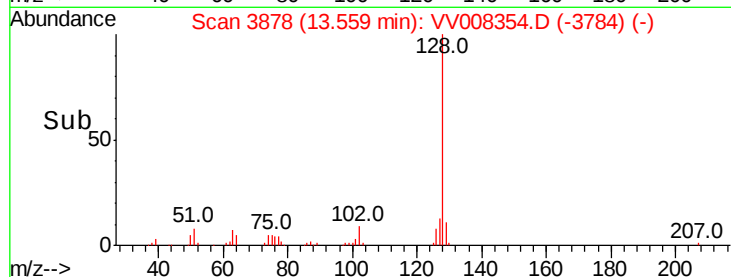
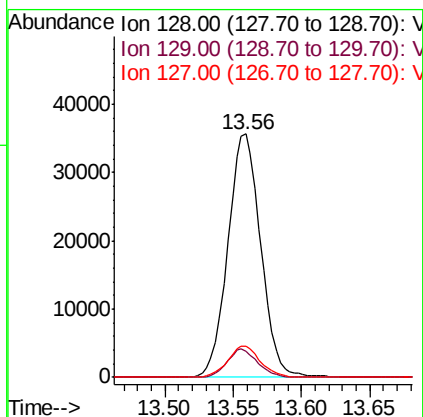
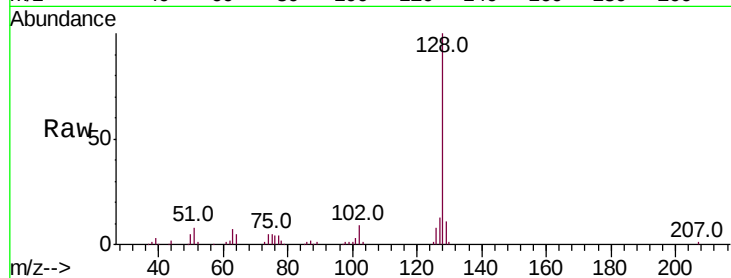




#69
Naphthalene
Concen: 4.556 ug/L
RT: 13.56 min Scan# 3878
Delta R.T. 0.00 min
Lab File: VV008354.D
Acq: 18 Oct 2018 20:45

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:128 Resp: 59503
Ion Ratio Lower Upper
128 100
129 10.7 8.6 12.8
127 12.5 10.1 15.1



#70
1,2,3-Trichlorobenzene
Concen: 5.152 ug/L
RT: 13.80 min Scan# 3952
Delta R.T. -0.00 min
Lab File: VV008354.D
Acq: 18 Oct 2018 20:45

Tgt Ion:180 Resp: 35835
Ion Ratio Lower Upper
180 100
182 94.4 75.8 113.8
145 36.3 28.3 42.5

