

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV101818\
 Data File : VV008332.D
 Acq On : 18 Oct 2018 09:38
 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 19 05:24:11 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR101518WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Oct 17 05:02:19 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	141674	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	127735	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	55951	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	37309	4.66	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	93.20%
7) Chloroethane-d5	1.59	69	29445	4.66	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	93.20%
11) 1,1-Dichloroethene-d2	2.13	63	75731	4.93	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	98.60%
20) 2-Butanone-d5	3.98	46	126497	47.11	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	94.22%
24) Chloroform-d	4.41	84	84446	4.72	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.40%
26) 1,2-Dichloroethane-d4	5.09	65	40733	4.49	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.80%
32) Benzene-d6	5.10	84	170969	4.56	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.20%
36) 1,2-Dichloropropane-d6	6.12	67	58298	4.72	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.40%
41) Toluene-d8	7.36	98	159315	4.69	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.80%
43) trans-1,3-Dichloropropene-	7.67	79	20869	4.08	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	81.60%
46) 2-Hexanone-d5	8.14	63	93256	51.93	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	103.86%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	35769	4.36	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	87.20%
64) 1,2-Dichlorobenzene-d4	11.68	152	51579	4.86	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.20%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	55012	5.044	ug/L 99
3) Chloromethane	1.25	50	57036	5.123	ug/L 98
5) Vinyl chloride	1.33	62	57986	5.501	ug/L 98
6) Bromomethane	1.54	94	28538	4.731	ug/L 94
8) Chloroethane	1.60	64	31116	5.679	ug/L 99
9) Trichlorofluoromethane	1.77	101	75815	5.916	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	41437	5.665	ug/L 99
12) 1,1-Dichloroethene	2.14	96	37125	5.455	ug/L 92
13) Acetone	2.23	43	65515	45.090	ug/L 56
14) Carbon disulfide	2.32	76	128758	5.499	ug/L 100
15) Methyl Acetate	2.48	43	14017	3.878	ug/L 99
16) Methylene chloride	2.54	84	41135	5.222	ug/L 97
17) Methyl tert-butyl Ether	2.82	73	102263	5.289	ug/L 99
18) trans-1,2-Dichloroethene	2.79	96	41553	5.675	ug/L 95
19) 1,1-Dichloroethane	3.23	63	83074	5.491	ug/L 97
21) 2-Butanone	4.06	43	140816	46.674	ug/L 90
22) cis-1,2-Dichloroethene	3.96	96	56568	4.785	ug/L # 98

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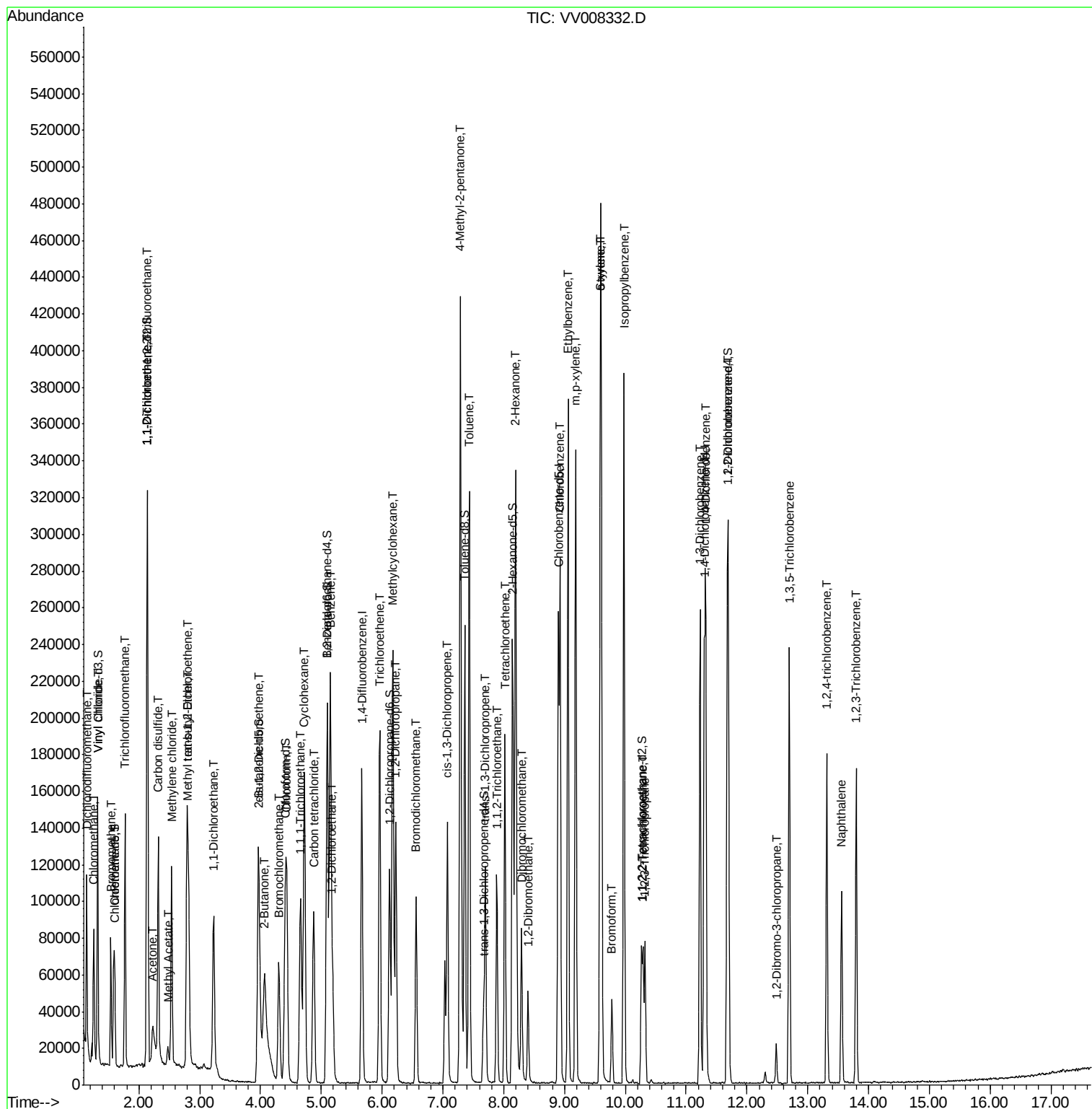
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	21550	4.917	ug/L	95
25) Chloroform	4.43	83	92584	4.993	ug/L	98
27) 1,2-Dichloroethane	5.19	62	54942	4.984	ug/L	99
29) 1,1,1-Trichloroethane	4.66	97	78982	4.965	ug/L	99
30) Cyclohexane	4.72	56	98811	4.942	ug/L	99
31) Carbon tetrachloride	4.87	117	67619	5.056	ug/L	100
33) Benzene	5.15	78	215695	5.011	ug/L	100
34) Trichloroethene	5.96	95	67259	5.639	ug/L	98
35) Methylcyclohexane	6.17	83	99889	4.966	ug/L	99
37) 1,2-Dichloropropane	6.23	63	57328	4.936	ug/L	98
38) Bromodichloromethane	6.56	83	66123	5.068	ug/L	99
39) cis-1,3-Dichloropropene	7.07	75	82435	4.975	ug/L	99
40) 4-Methyl-2-pentanone	7.29	43	337398	47.435	ug/L	100
42) Toluene	7.43	91	230537	5.138	ug/L	99
44) trans-1,3-Dichloropropene	7.70	75	63845	4.814	ug/L	99
45) 1,1,2-Trichloroethane	7.89	97	35432	4.914	ug/L	99
47) Tetrachloroethene	8.02	164	39618	5.301	ug/L	91
48) 2-Hexanone	8.20	43	248876	47.872	ug/L	99
49) Dibromochloromethane	8.30	129	40724	4.955	ug/L	99
50) 1,2-Dibromoethane	8.40	107	32784	4.851	ug/L #	98
51) Chlorobenzene	8.93	112	142693	5.353	ug/L	100
52) Ethylbenzene	9.06	91	255299	5.175	ug/L	100
53) m,p-xylene	9.18	106	95436	5.348	ug/L	99
54) o-xylene	9.59	106	93497	5.259	ug/L	99
55) Styrene	9.60	104	151933	5.312	ug/L	98
56) Isopropylbenzene	9.98	105	247572	5.284	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.29	83	35415	4.317	ug/L	97
59) 1,2,3-Trichloropropane	10.32	75	31132	4.791	ug/L	98
61) Bromoform	9.78	173	19851	4.853	ug/L #	98
62) 1,3-Dichlorobenzene	11.23	146	100570	5.311	ug/L	97
63) 1,4-Dichlorobenzene	11.32	146	98283	5.242	ug/L	100
65) 1,2-Dichlorobenzene	11.69	146	93991	5.177	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	6061	4.426	ug/L	86
67) 1,3,5-Trichlorobenzene	12.70	180	68147	5.562	ug/L	99
68) 1,2,4-trichlorobenzene	13.32	180	50609	5.802	ug/L	99
69) Naphthalene	13.56	128	79593	4.895	ug/L	100
70) 1,2,3-Trichlorobenzene	13.80	180	46407	5.359	ug/L	99

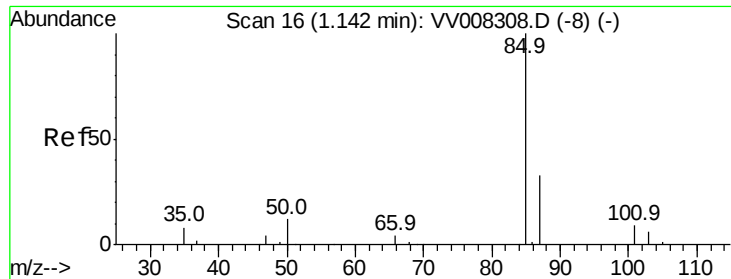
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 5.044 ug/L

RT: 1.14 min Scan# 16

Delta R.T. 0.00 min

Lab File: VV008332.D

Acq: 18 Oct 2018 09:38

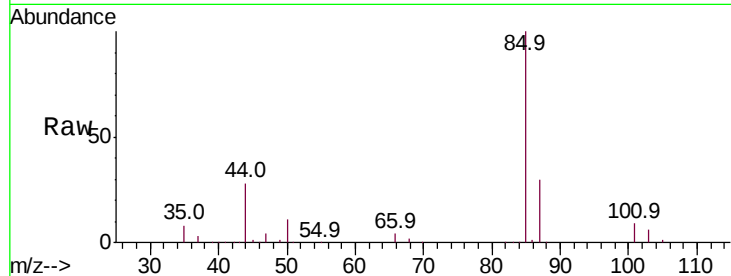
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 85 Resp: 55012

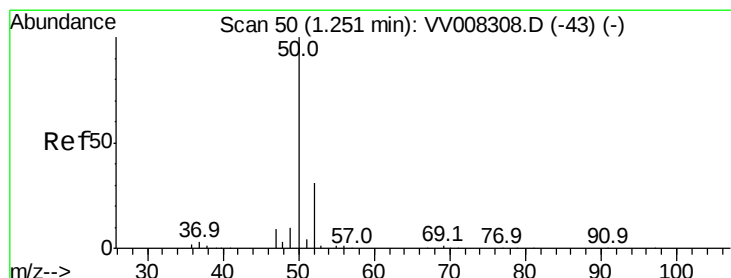
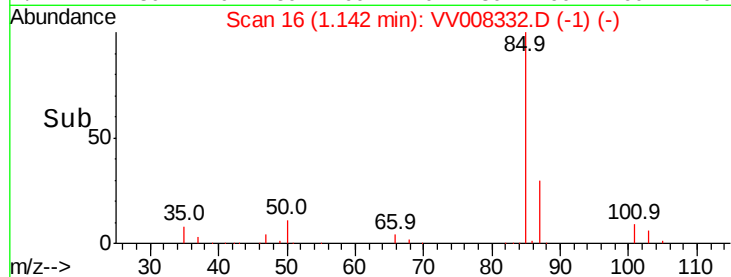
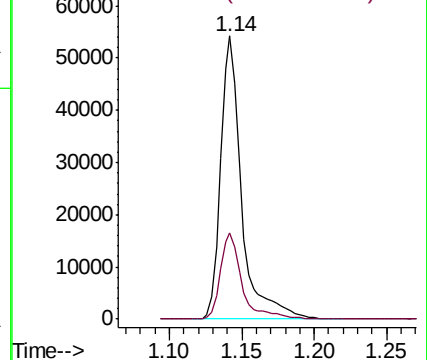
Ion Ratio Lower Upper

85 100

87 31.5 25.8 38.6



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



#3

Chloromethane

Concen: 5.123 ug/L

RT: 1.25 min Scan# 51

Delta R.T. 0.00 min

Lab File: VV008332.D

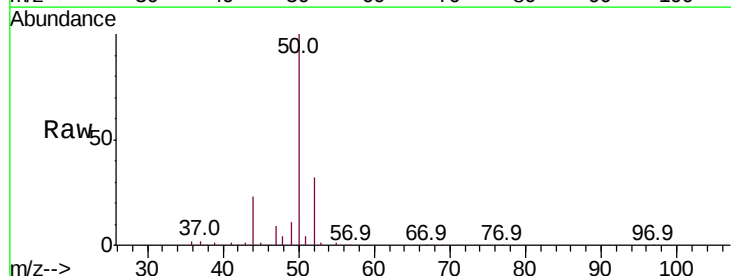
Acq: 18 Oct 2018 09:38

Tgt Ion: 50 Resp: 57036

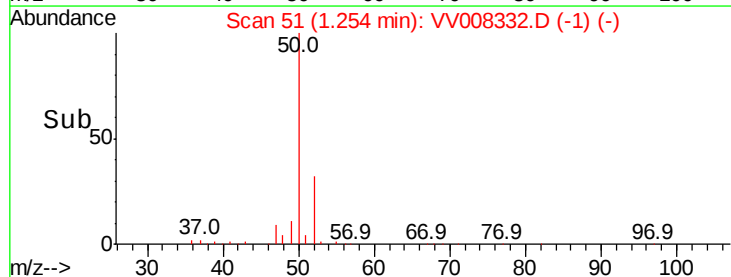
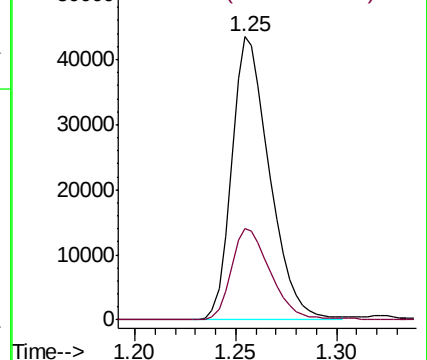
Ion Ratio Lower Upper

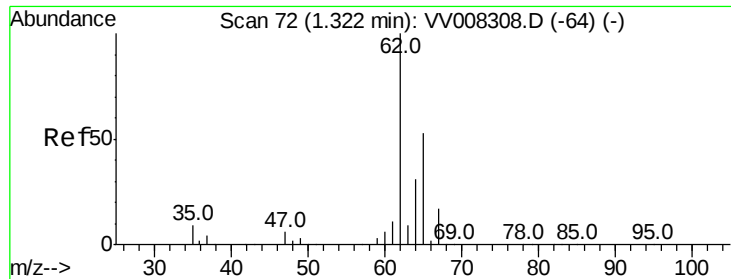
50 100

52 32.5 23.7 43.9



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





#5

Vinyl chloride

Concen: 5.501 ug/L

RT: 1.33 min Scan# 73

Delta R.T. 0.00 min

Lab File: VV008332.D

Acq: 18 Oct 2018 09:38

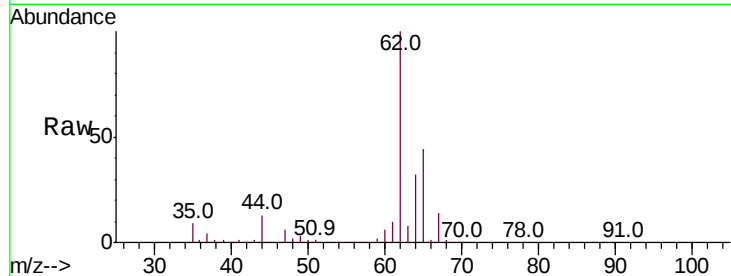
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 62 Resp: 57986

Ion Ratio Lower Upper

62 100

64 31.7 22.9 42.5



Abundance Ion 62.00 (61.70 to 62.70): VV008332.D (-1) (-)

Ion 64.10 (63.80 to 64.80): VV008332.D (-1) (-)

1.33

60000

50000

40000

30000

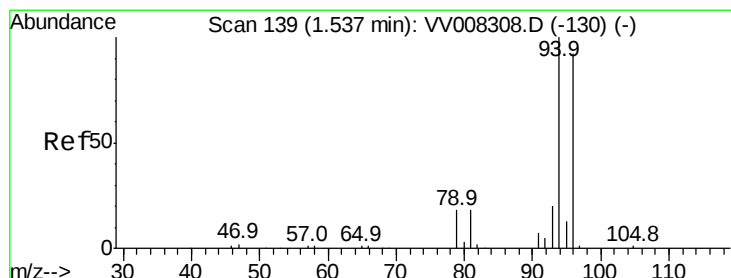
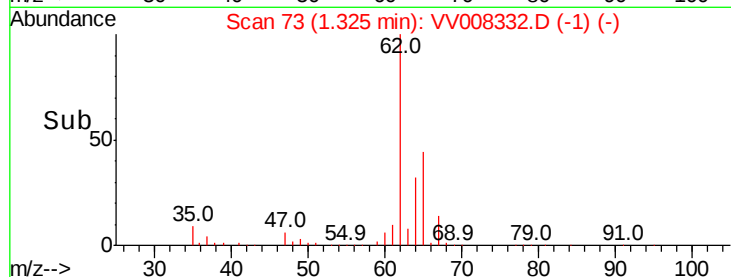
20000

10000

0

1.25 1.30 1.35 1.40

Time-->



#6

Bromomethane

Concen: 4.731 ug/L

RT: 1.54 min Scan# 139

Delta R.T. 0.00 min

Lab File: VV008332.D

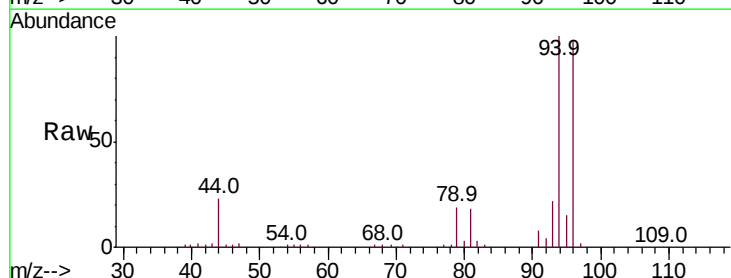
Acq: 18 Oct 2018 09:38

Tgt Ion: 94 Resp: 28538

Ion Ratio Lower Upper

94 100

96 98.4 65.0 120.8



Abundance Ion 94.00 (93.70 to 94.70): VV008332.D (-46) (-)

Ion 96.00 (95.70 to 96.70): VV008332.D (-46) (-)

1.54

25000

20000

15000

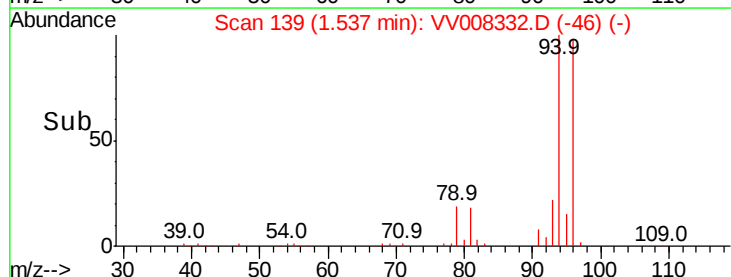
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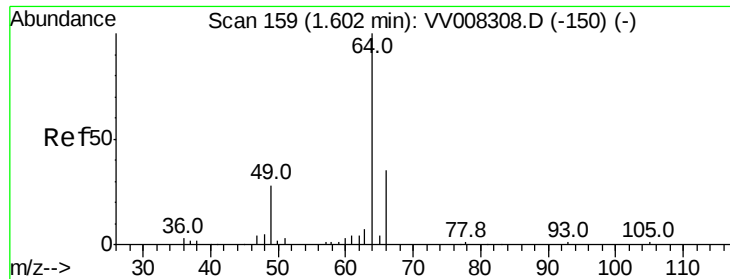
5000

0

1.50 1.55 1.60

Time-->

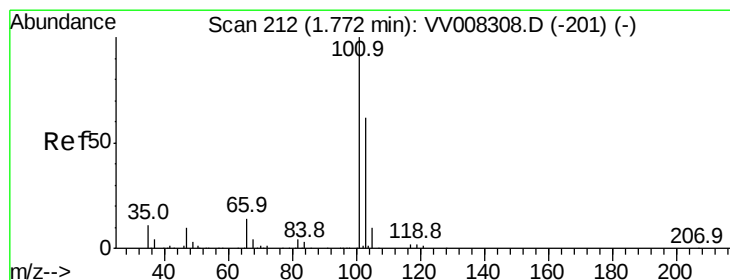
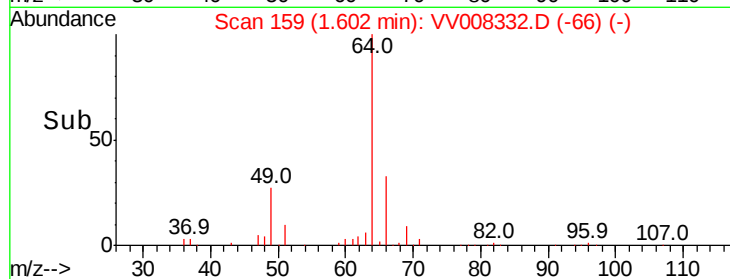
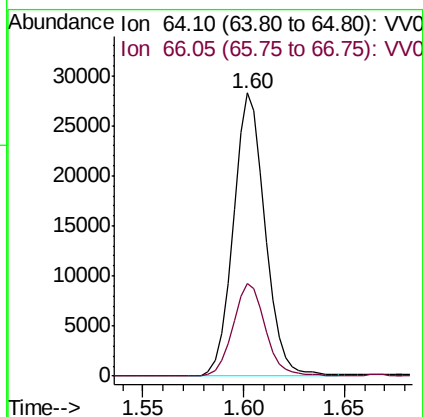
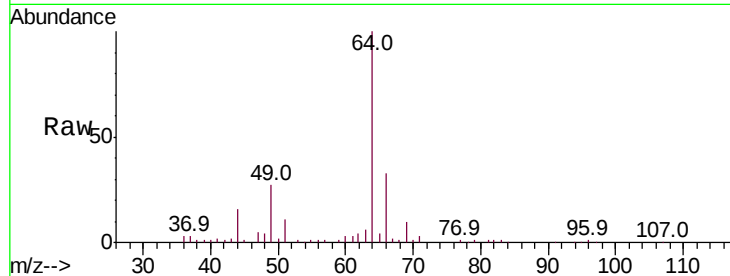




#8
Chloroethane
Concen: 5.679 ug/L
RT: 1.60 min Scan# 159
Delta R.T. 0.00 min
Lab File: VV008332.D
Acq: 18 Oct 2018 09:38

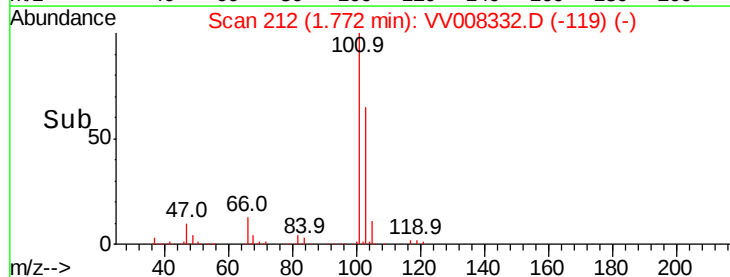
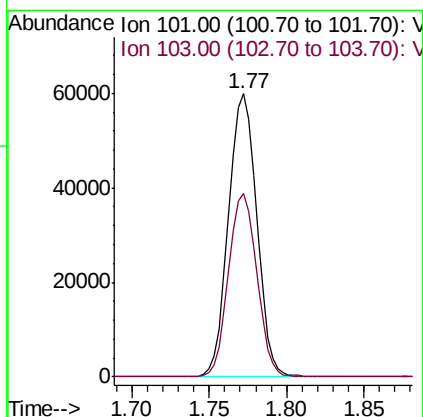
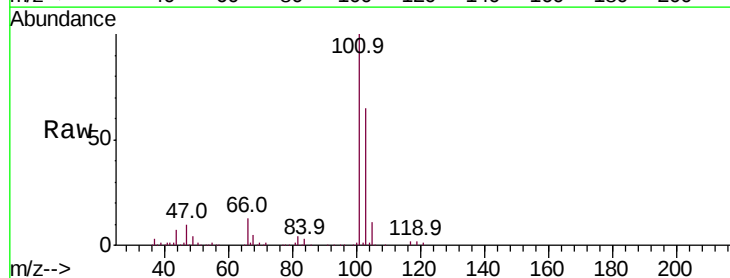
Instrument :
MSVOA_V
ClientSampleId :

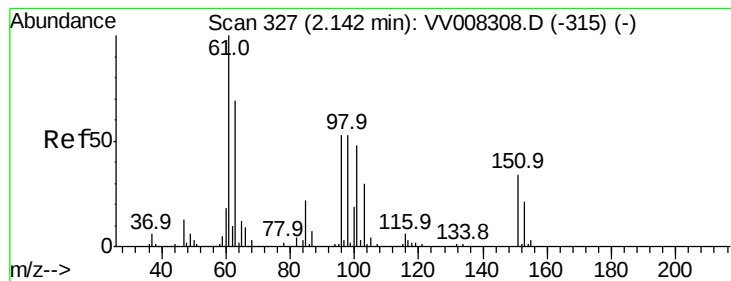
Tot Ion: 64 Resp: 31116
Ion Ratio Lower Upper
64 100
66 32.7 22.5 41.9



#9
Trichlorofluoromethane
Concen: 5.916 ug/L
RT: 1.77 min Scan# 212
Delta R.T. 0.00 min
Lab File: VV008332.D
Acq: 18 Oct 2018 09:38

Tgt Ion: 101 Resp: 75815
Ion Ratio Lower Upper
101 100
103 65.0 51.8 77.6





#10

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

Concen: 5.665 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

Lab File: VV008332.D

Acq: 18 Oct 2018 09:38

Instrument :

MSVOA_V

ClientSampled :

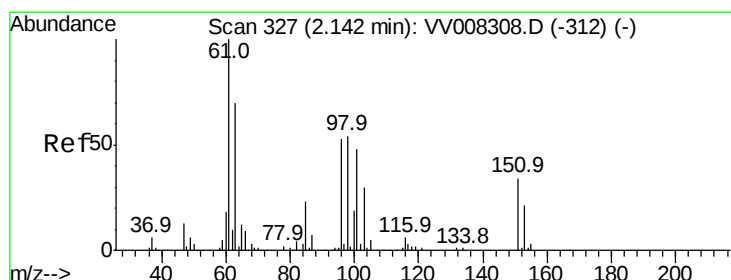
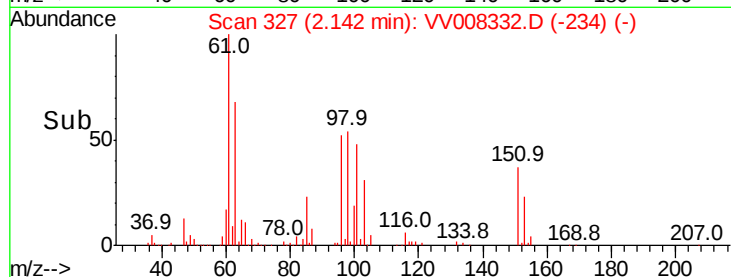
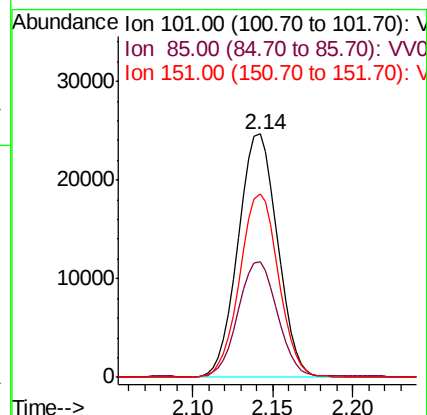
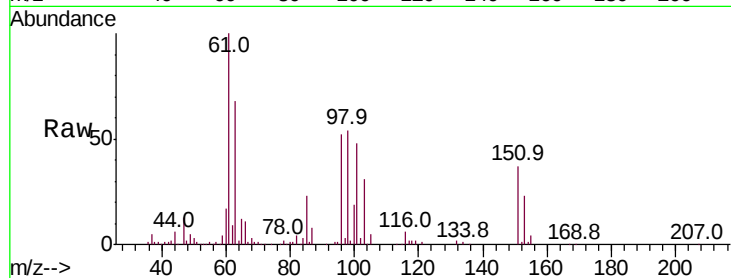
Tot Ion:101 Resp: 41437

Ion Ratio Lower Upper

101 100

85 47.6 37.4 56.2

151 74.3 59.0 88.6



#12

1,1-Dichloroethene

Concen: 5.455 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

Lab File: VV008332.D

Acq: 18 Oct 2018 09:38

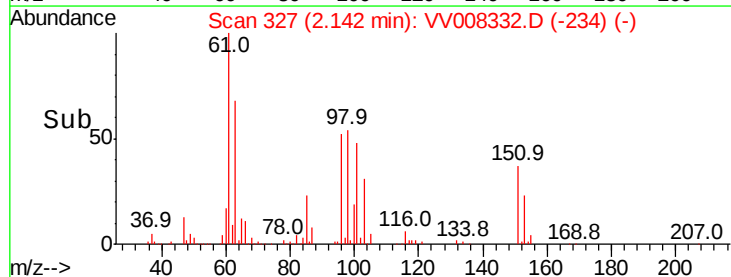
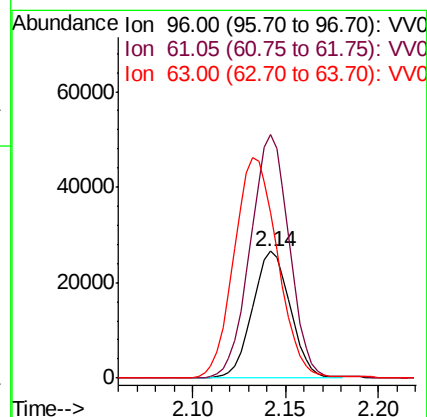
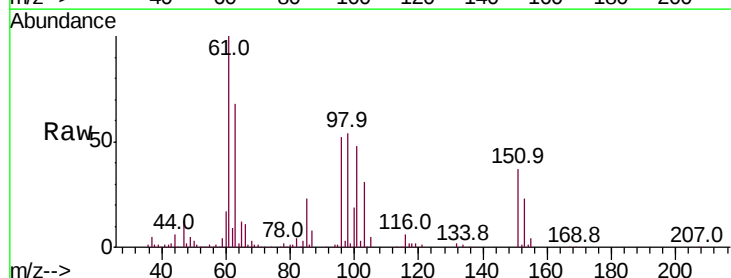
Tgt Ion: 96 Resp: 37125

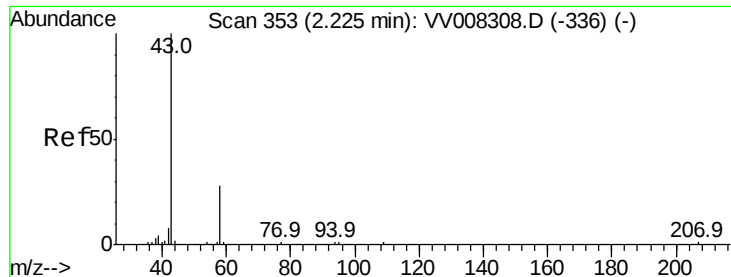
Ion Ratio Lower Upper

96 100

61 191.7 129.9 241.3

63 129.9 103.0 191.4





#13

Acetone

Concen: 45.090 ug/L

RT: 2.23 min Scan# 354

Delta R.T. 0.00 min

Lab File: VV008332.D

Acq: 18 Oct 2018 09:38

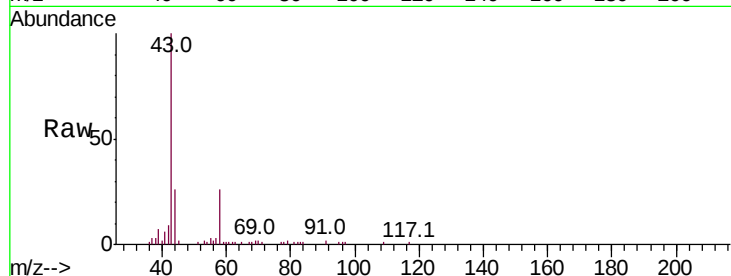
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 65515

Ion Ratio Lower Upper

43 100

58 7.0 0.0 62.0



Abundance Ion 43.05 (42.75 to 43.75): VV008308.D (-336) (-)

Ion 58.05 (57.75 to 58.75): VV008308.D (-336) (-)

2.23

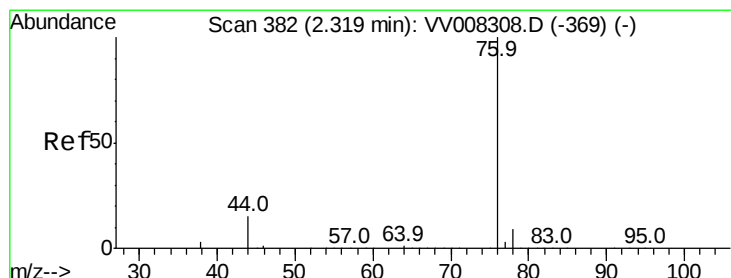
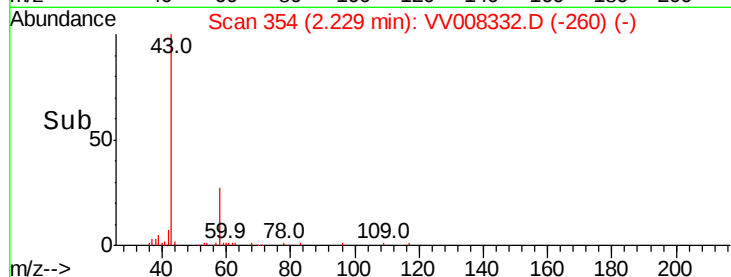
15000

10000

5000

0

Time--> 2.10 2.20 2.30 2.40



#14

Carbon disulfide

Concen: 5.499 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VV008332.D

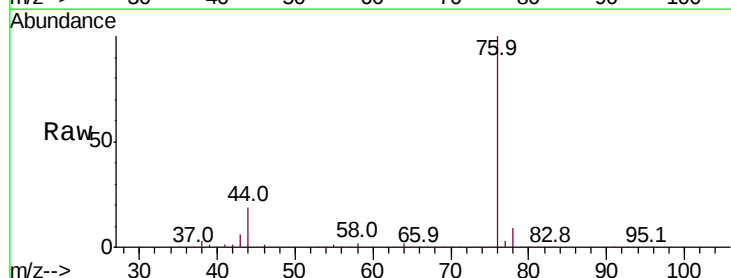
Acq: 18 Oct 2018 09:38

Tgt Ion: 76 Resp: 128758

Ion Ratio Lower Upper

76 100

78 9.3 7.4 11.2



Abundance Ion 76.05 (75.75 to 76.75): VV008308.D (-369) (-)

Ion 78.00 (77.70 to 78.70): VV008308.D (-369) (-)

2.32

100000

80000

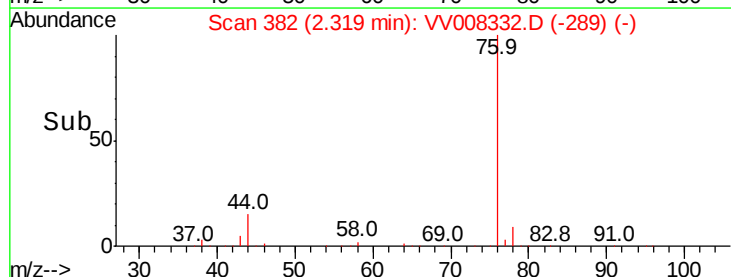
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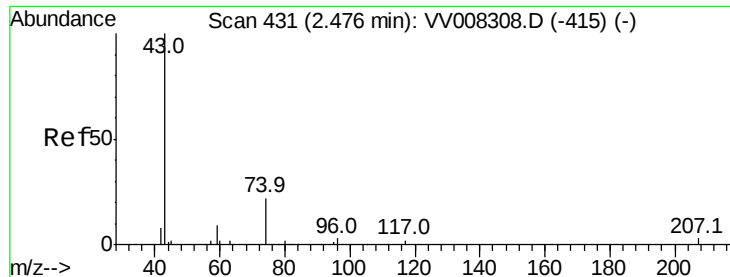
40000

20000

0

Time--> 2.30 2.40





#15

Methyl Acetate

Concen: 3.878 ug/L

RT: 2.48 min Scan# 431

Delta R.T. 0.00 min

Lab File: VV008332.D

Acq: 18 Oct 2018 09:38

Instrument :

MSVOA_V

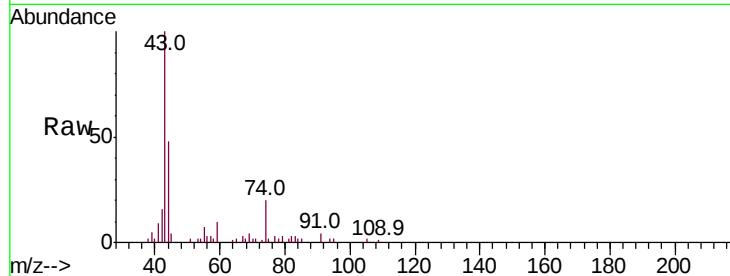
ClientSampled :

Tot Ion: 43 Resp: 14017

Ion Ratio Lower Upper

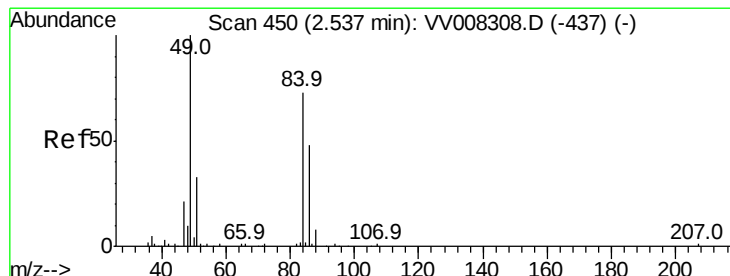
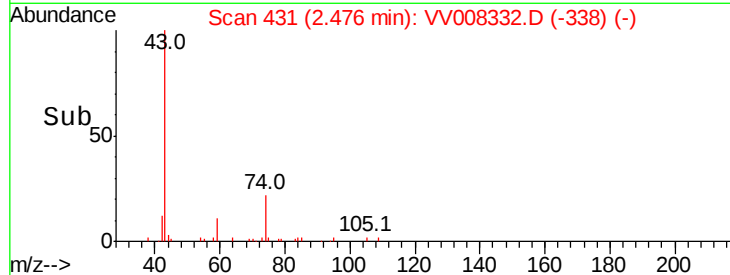
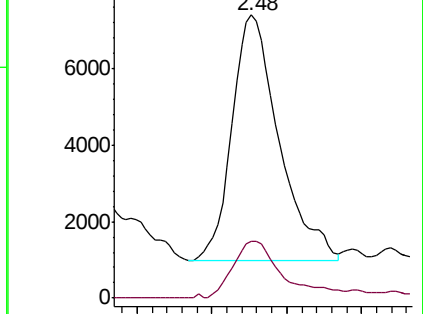
43 100

74 24.7 20.0 30.0



Abundance Ion 43.05 (42.75 to 43.75): VV008332.D (-338) (-)

Ion 74.05 (73.75 to 74.75): VV008332.D (-338) (-)



#16

Methylene chloride

Concen: 5.222 ug/L

RT: 2.54 min Scan# 450

Delta R.T. 0.00 min

Lab File: VV008332.D

Acq: 18 Oct 2018 09:38

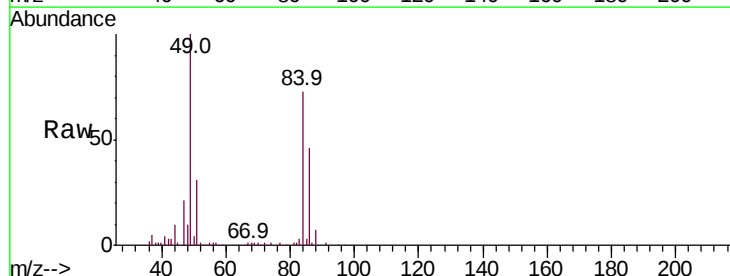
Tgt Ion: 84 Resp: 41135

Ion Ratio Lower Upper

84 100

86 63.2 45.0 83.6

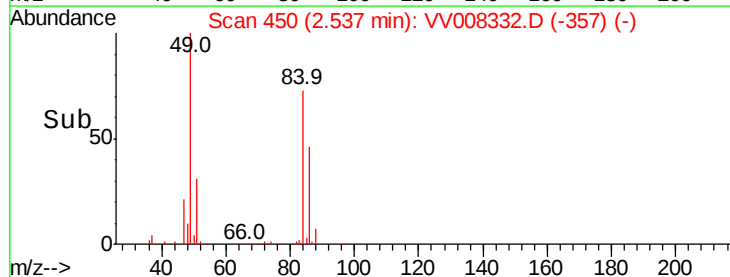
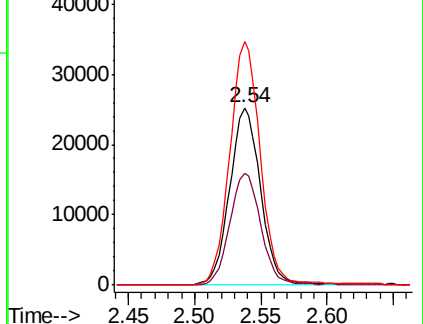
49 137.1 92.9 172.5

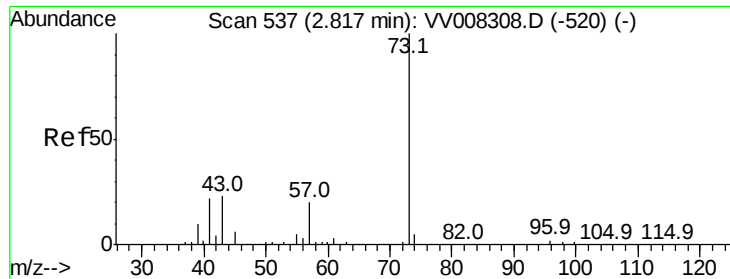


Abundance Ion 84.05 (83.75 to 84.75): VV008332.D (-357) (-)

Ion 86.00 (85.70 to 86.70): VV008332.D (-357) (-)

Ion 49.10 (48.80 to 49.80): VV008332.D (-357) (-)

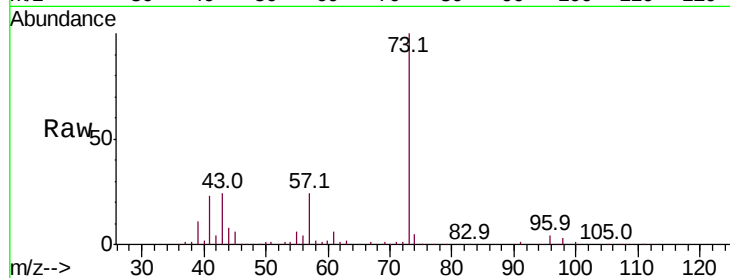




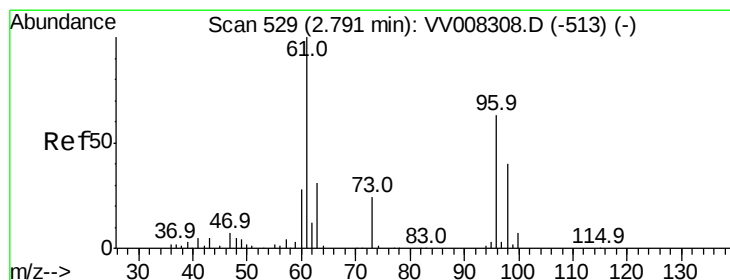
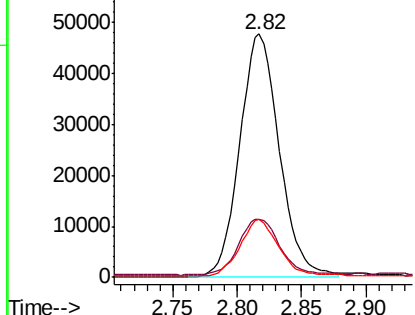
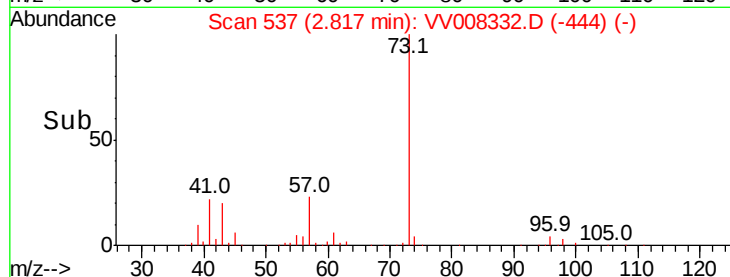
#17
Methvl tert-butvl Ether
Concen: 5.289 ug/L
RT: 2.82 min Scan# 537
Delta R.T. 0.00 min
Lab File: VV008332.D
Acq: 18 Oct 2018 09:38

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 73 Resp: 102263
Ion Ratio Lower Upper
73 100
43 24.2 19.0 28.6
57 22.3 18.2 27.2

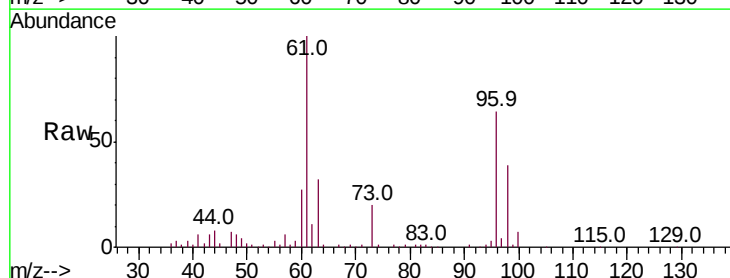


Abundance Ion 73.10 (72.80 to 73.80): VV0
Ion 43.05 (42.75 to 43.75): VV0
Ion 57.10 (56.80 to 57.80): VV0

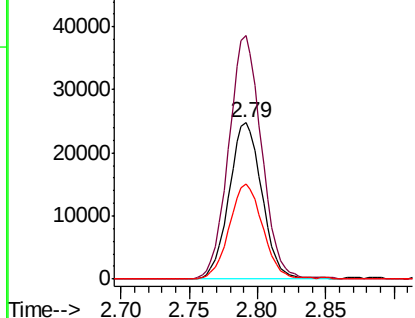
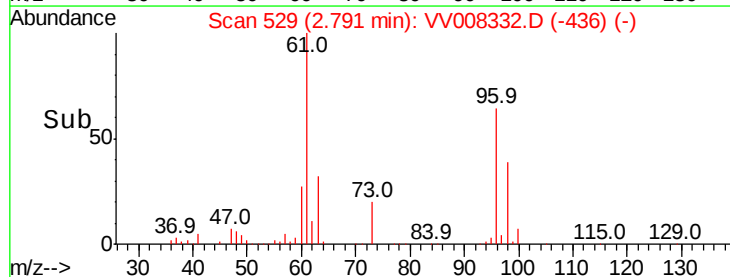


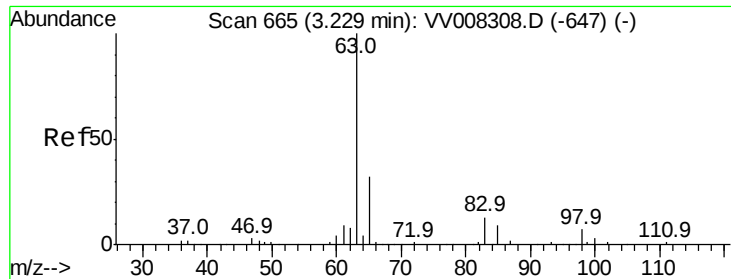
#18
trans-1,2-Dichloroethene
Concen: 5.675 ug/L
RT: 2.79 min Scan# 529
Delta R.T. 0.00 min
Lab File: VV008332.D
Acq: 18 Oct 2018 09:38

Tgt Ion: 96 Resp: 41553
Ion Ratio Lower Upper
96 100
61 156.0 104.6 194.2
98 60.6 44.1 81.9



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

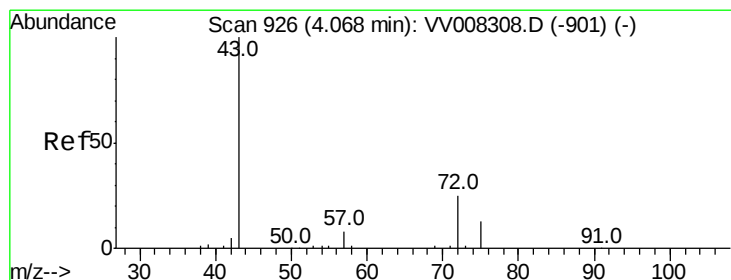
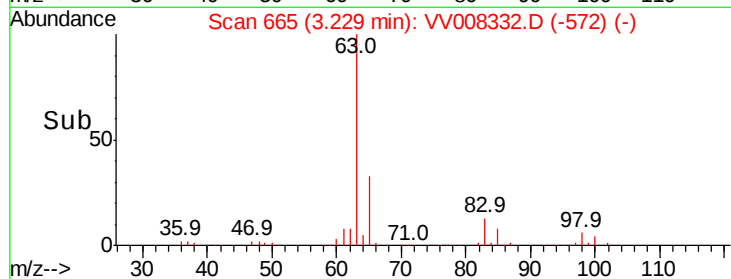
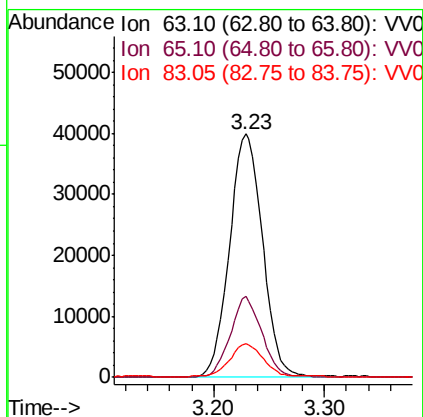
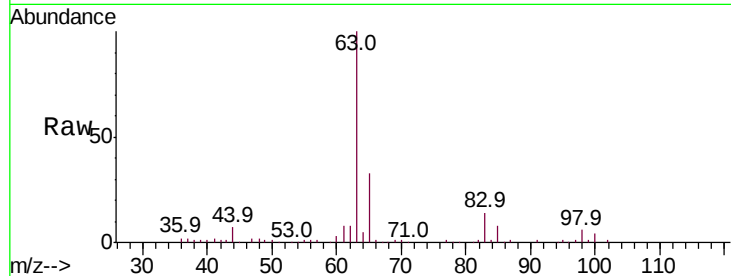




#19
 1,1-Dichloroethane
 Concen: 5.491 ug/L
 RT: 3.23 min Scan# 665
 Delta R.T. 0.00 min
 Lab File: VV008332.D
 Acq: 18 Oct 2018 09:38

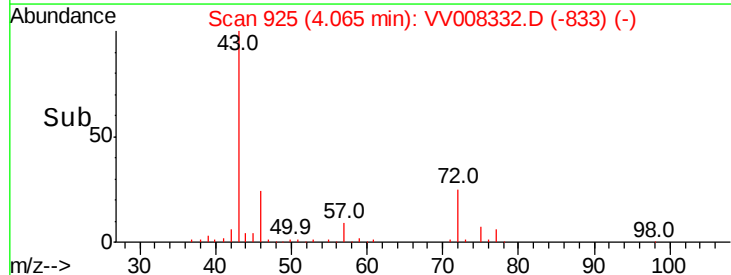
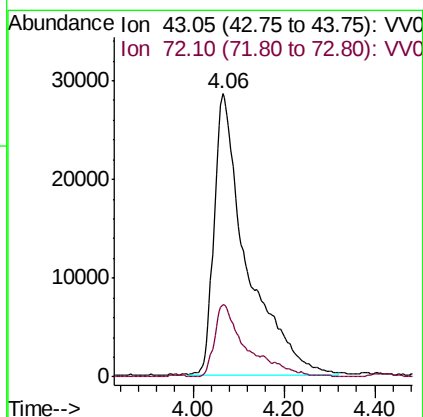
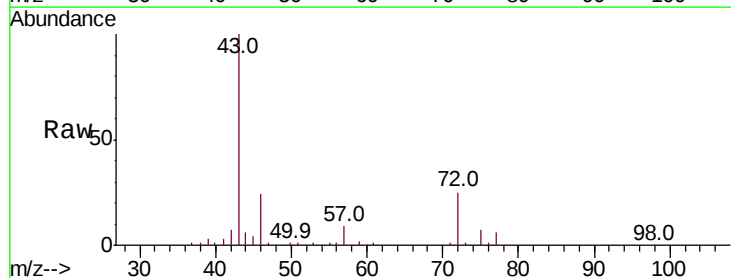
Instrument :
 MSVOA_V
 ClientSampled :

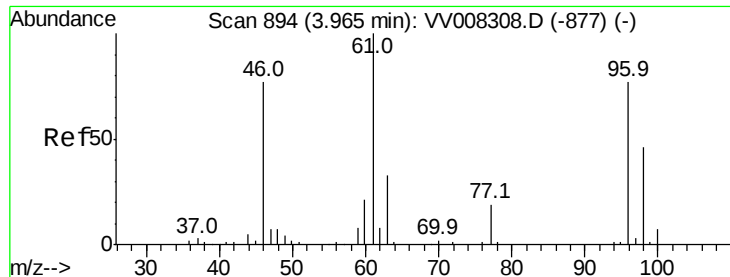
Tot Ion: 63 Resp: 83074
 Ion Ratio Lower Upper
 63 100
 65 33.4 22.6 42.0
 83 13.9 11.0 20.4



#21
 2-Butanone
 Concen: 46.674 ug/L
 RT: 4.06 min Scan# 925
 Delta R.T. -0.00 min
 Lab File: VV008332.D
 Acq: 18 Oct 2018 09:38

Tgt Ion: 43 Resp: 140816
 Ion Ratio Lower Upper
 43 100
 72 20.8 12.9 38.7



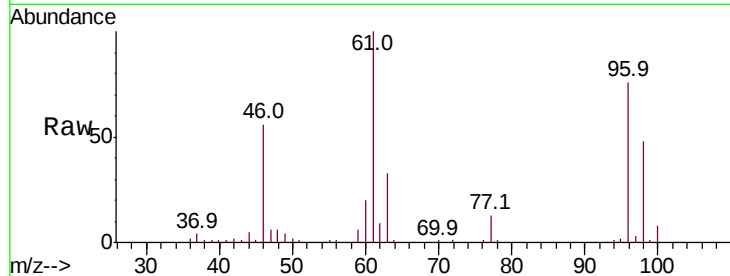


#22

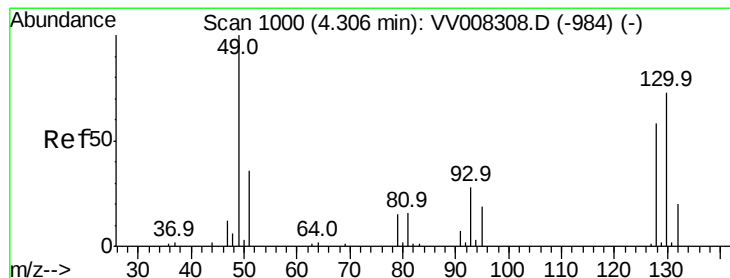
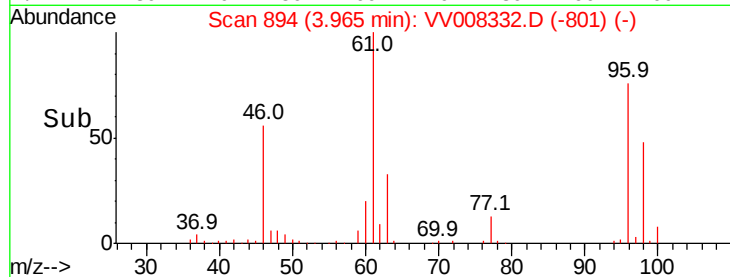
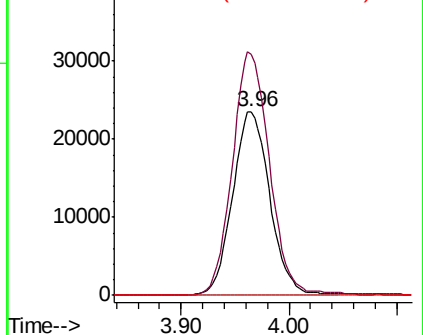
cis-1,2-Dichloroethene
Concen: 4.785 ug/L
RT: 3.96 min Scan# 894
Delta R.T. 0.00 min
Lab File: VV008332.D
Acq: 18 Oct 2018 09:38

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 96 Resp: 56568
Ion Ratio Lower Upper
96 100
61 131.0 93.7 174.1
68 0.0 0.6 1.2#



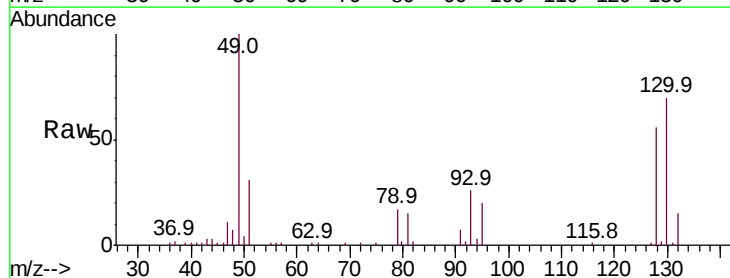
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 68.15 (67.85 to 68.85): VV0



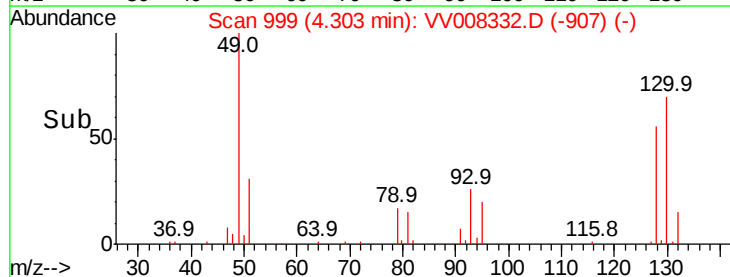
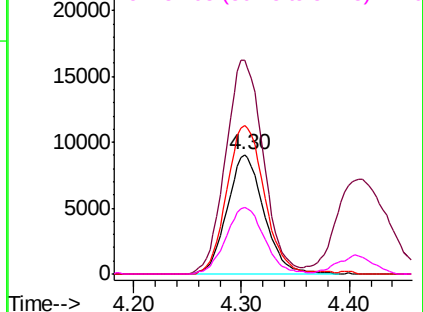
#23

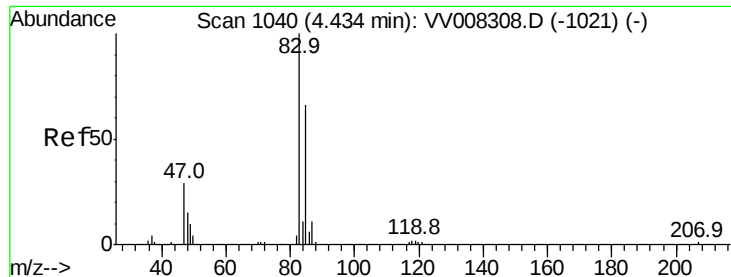
Bromochloromethane
Concen: 4.917 ug/L
RT: 4.30 min Scan# 999
Delta R.T. -0.00 min
Lab File: VV008332.D
Acq: 18 Oct 2018 09:38

Tgt Ion: 128 Resp: 21550
Ion Ratio Lower Upper
128 100
49 178.3 131.3 243.9
130 124.1 86.0 159.8
51 56.1 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

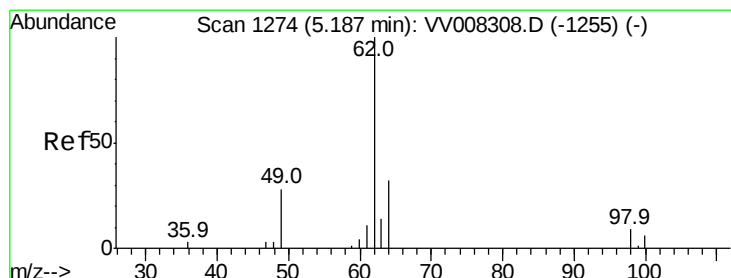
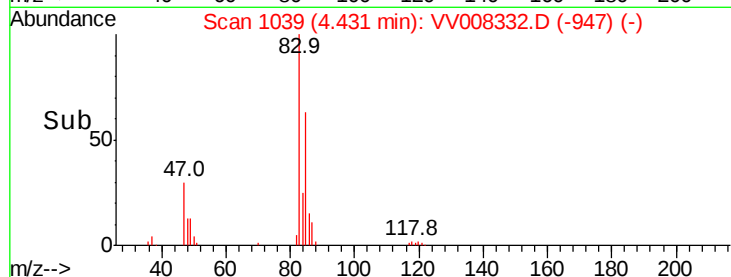
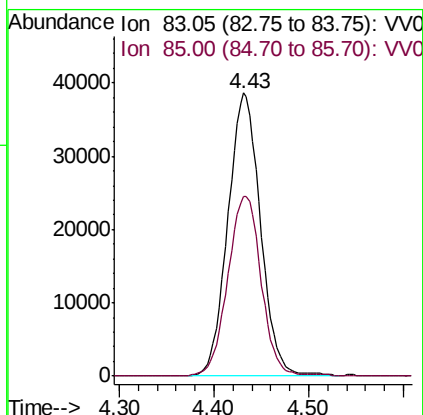
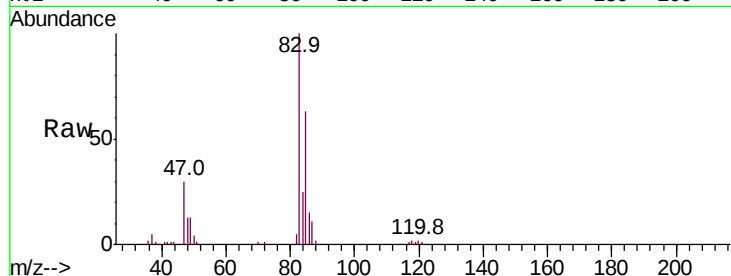




#25
Chloroform
Concen: 4.993 ug/L
RT: 4.43 min Scan# 1039
Delta R.T. -0.00 min
Lab File: VV008332.D
Acq: 18 Oct 2018 09:38

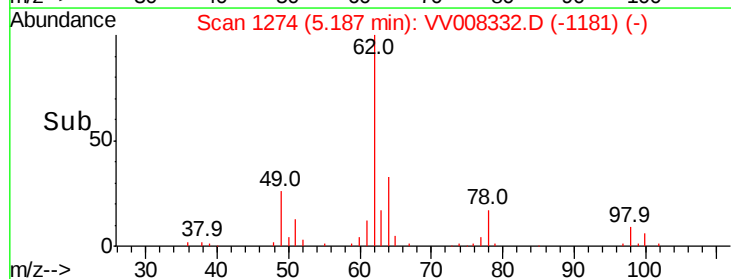
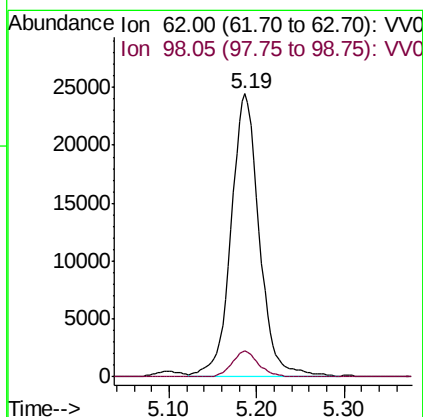
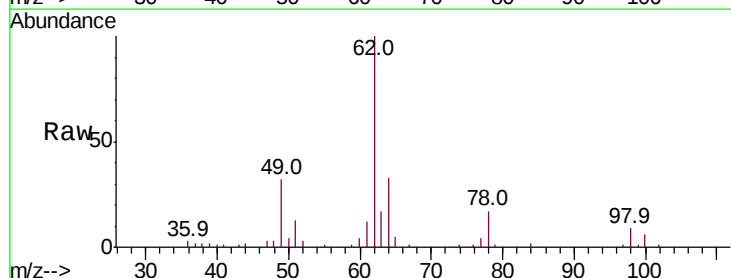
Instrument :
MSVOA_V
ClientSampled :

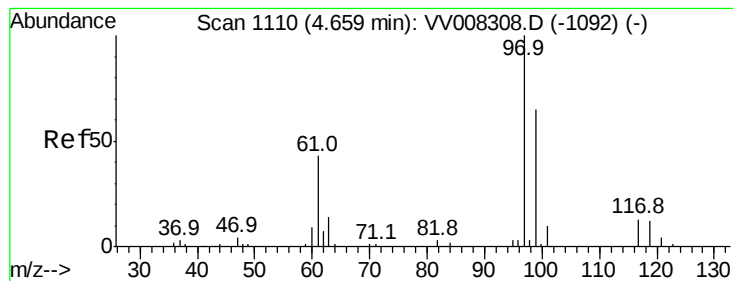
Tot Ion: 83 Resp: 92584
Ion Ratio Lower Upper
83 100
85 63.3 43.4 80.6



#27
1,2-Dichloroethane
Concen: 4.984 ug/L
RT: 5.19 min Scan# 1274
Delta R.T. 0.00 min
Lab File: VV008332.D
Acq: 18 Oct 2018 09:38

Tgt Ion: 62 Resp: 54942
Ion Ratio Lower Upper
62 100
98 9.2 7.6 11.4





#29

1,1,1-Trichloroethane

Concen: 4.965 ug/L

RT: 4.66 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VV008332.D

Acq: 18 Oct 2018 09:38

Instrument :
MSVOA_V
ClientSampled :

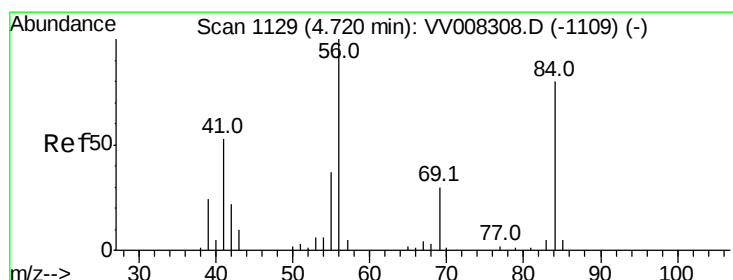
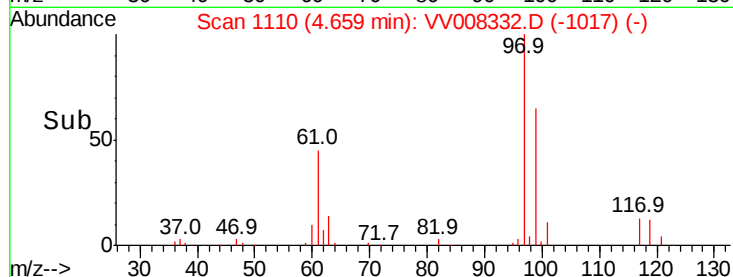
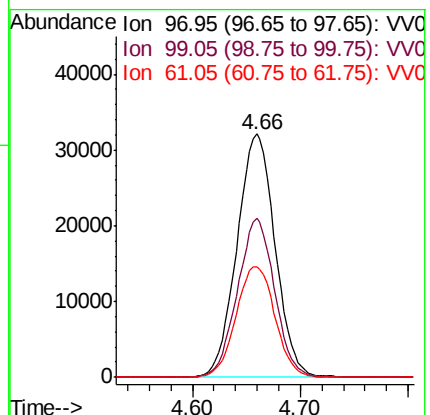
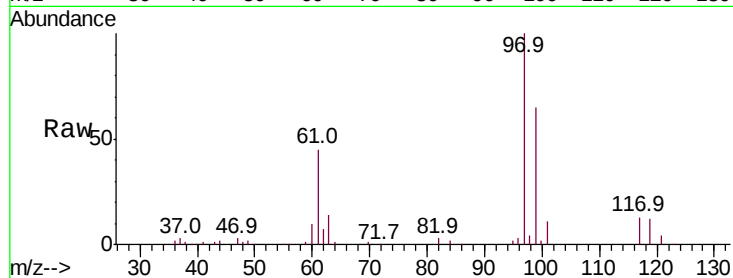
Tot Ion: 97 Resp: 78982

Ion Ratio Lower Upper

97 100

99 63.6 51.6 77.4

61 46.5 37.0 55.6



#30

Cyclohexane

Concen: 4.942 ug/L

RT: 4.72 min Scan# 1129

Delta R.T. 0.00 min

Lab File: VV008332.D

Acq: 18 Oct 2018 09:38

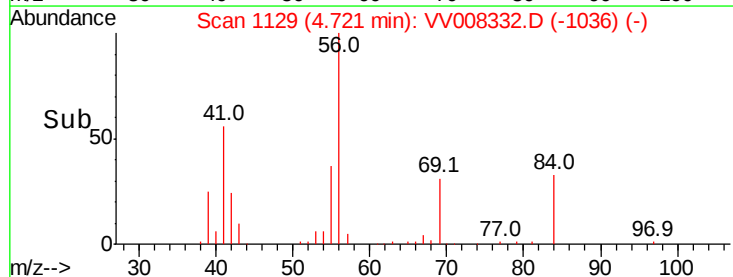
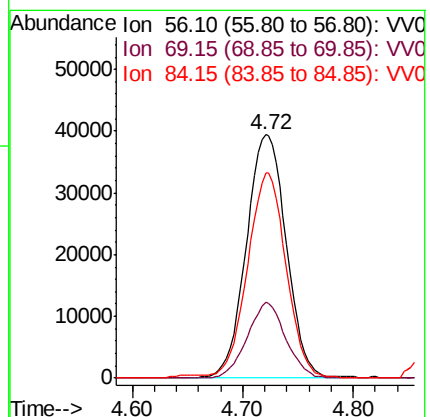
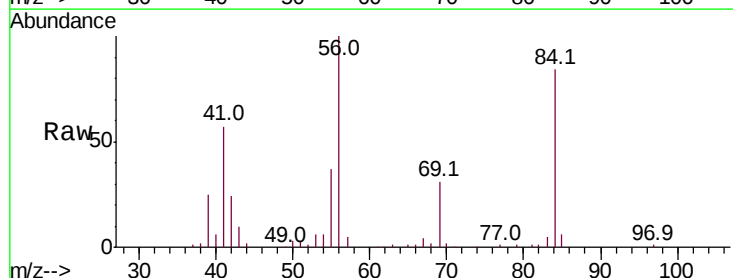
Tgt Ion: 56 Resp: 98811

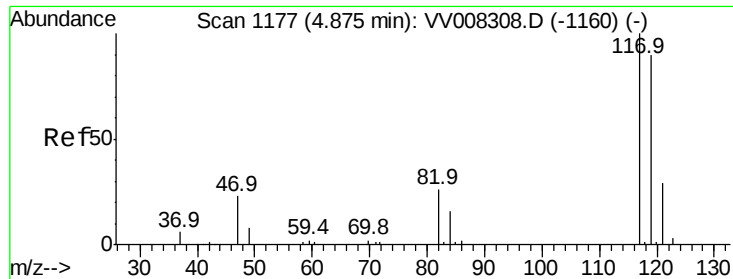
Ion Ratio Lower Upper

56 100

69 30.1 24.3 36.5

84 81.3 64.1 96.1





#31

Carbon tetrachloride

Concen: 5.056 ug/L

RT: 4.87 min Scan# 1177

Delta R.T. 0.00 min

Lab File: VV008332.D

Acq: 18 Oct 2018 09:38

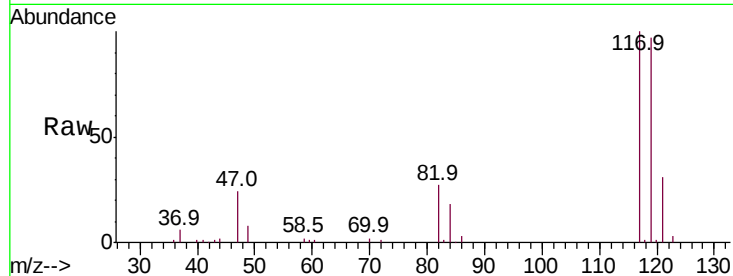
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:117 Resp: 67619

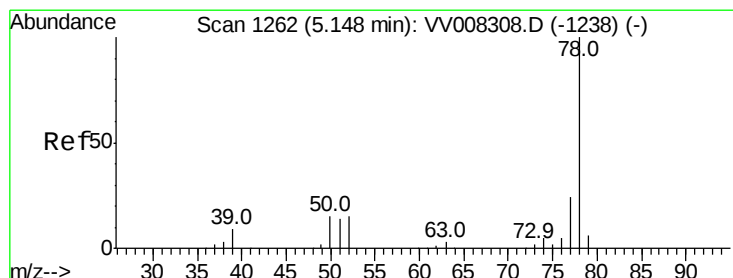
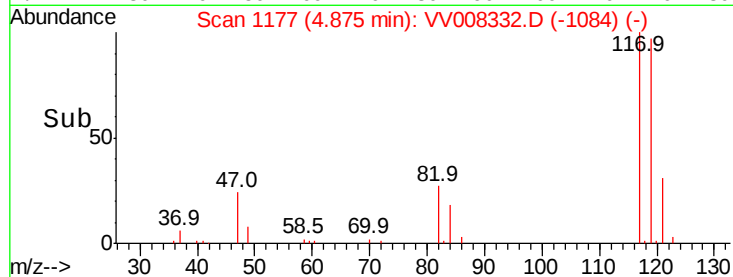
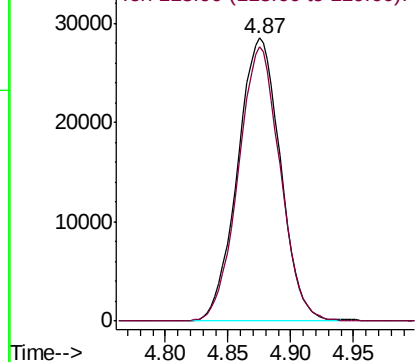
Ion Ratio Lower Upper

117 100

119 94.8 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: 5.011 ug/L

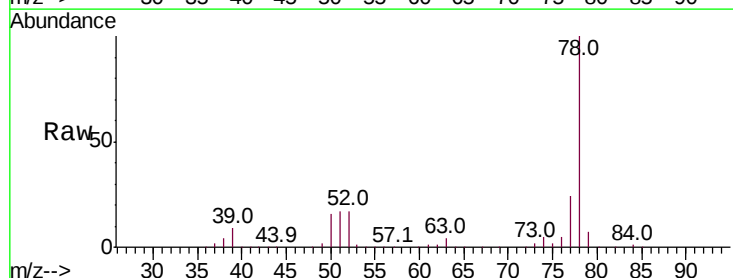
RT: 5.15 min Scan# 1262

Delta R.T. 0.00 min

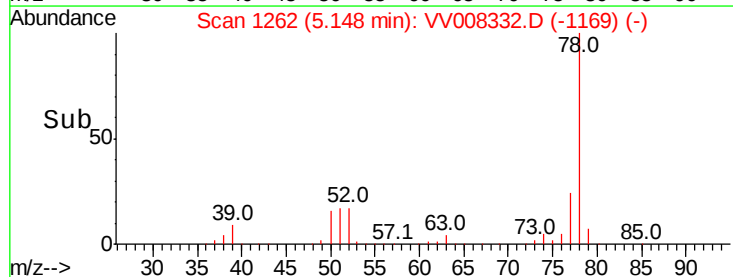
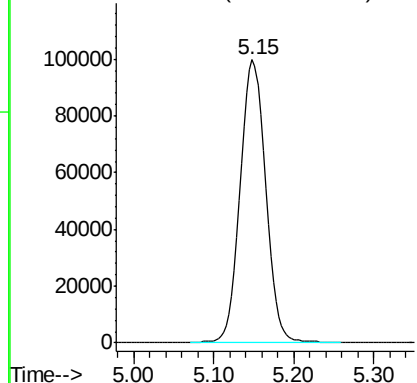
Lab File: VV008332.D

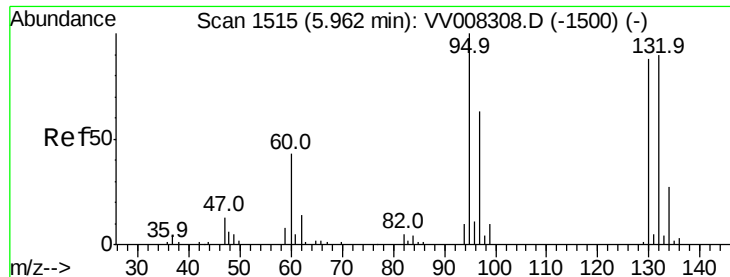
Acq: 18 Oct 2018 09:38

Tgt Ion: 78 Resp: 215695



Abundance Ion 78.10 (77.80 to 78.80): VV0

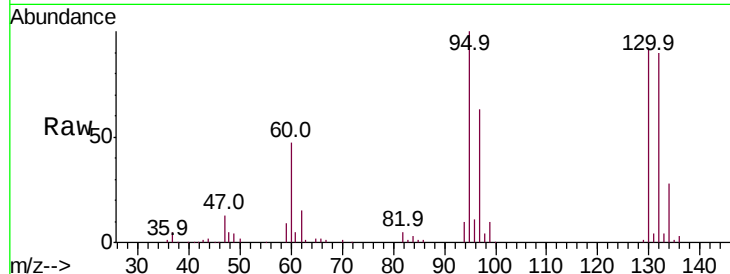




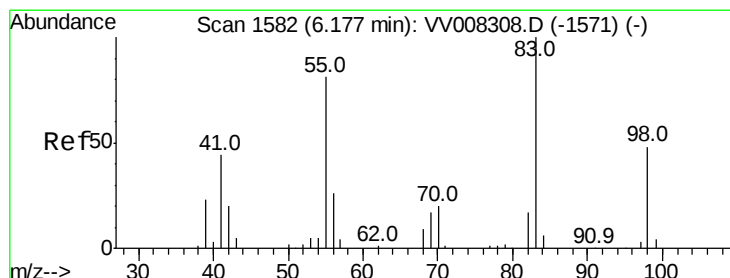
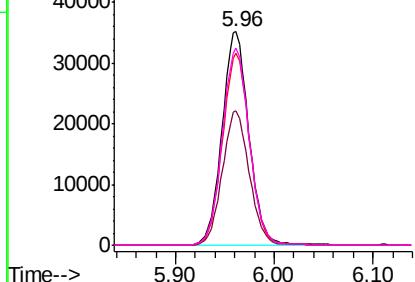
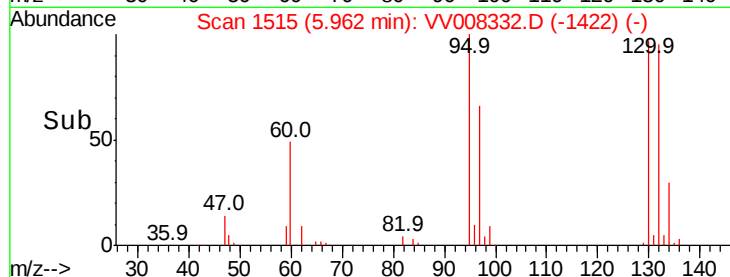
#34
 Trichloroethene
 Concen: 5.639 ug/L
 RT: 5.96 min Scan# 1515
 Delta R.T. 0.00 min
 Lab File: VV008332.D
 Acq: 18 Oct 2018 09:38

Instrument :
 MSVOA_V
 ClientSampled :

Tot Ion: 95 Resp: 67259
 Ion Ratio Lower Upper
 95 100
 97 62.9 44.4 82.4
 132 89.7 60.4 112.2
 130 92.0 65.5 121.7

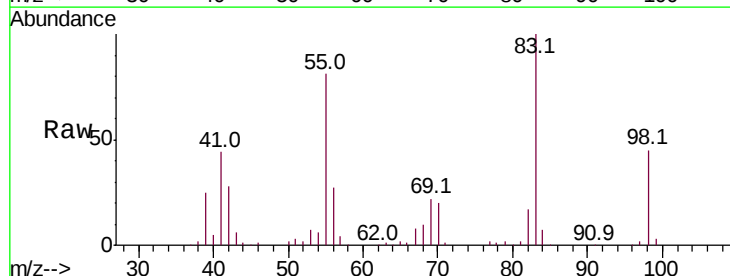


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 96.95 (96.65 to 97.65): VV0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

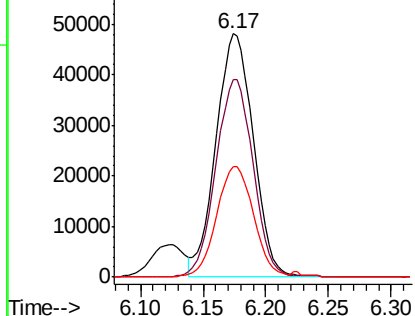
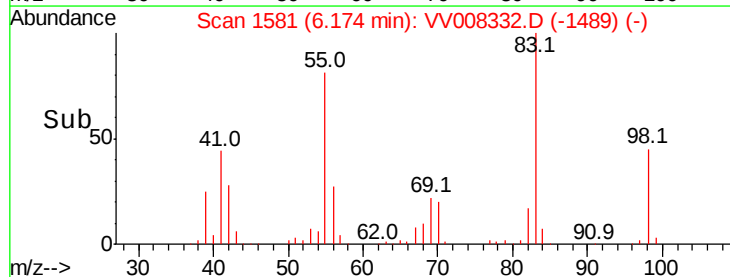


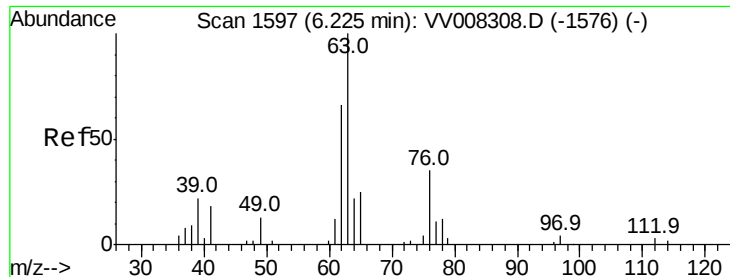
#35
 Methylcyclohexane
 Concen: 4.966 ug/L
 RT: 6.17 min Scan# 1581
 Delta R.T. -0.00 min
 Lab File: VV008332.D
 Acq: 18 Oct 2018 09:38

Tgt Ion: 83 Resp: 99889
 Ion Ratio Lower Upper
 83 100
 55 79.8 64.0 96.0
 98 44.8 37.0 55.4



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: 4.936 ug/L

RT: 6.23 min Scan# 1597

Delta R.T. 0.00 min

Lab File: VV008332.D

Acq: 18 Oct 2018 09:38

Instrument :

MSVOA_V

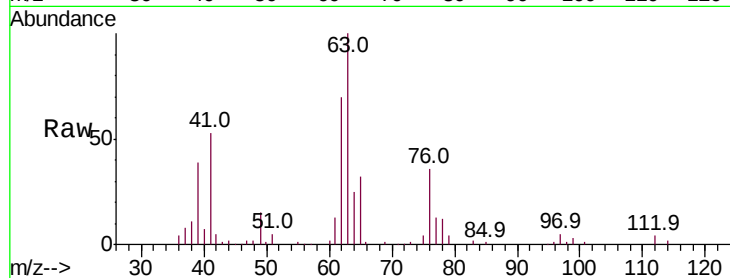
ClientSampleId :

Tot Ion: 63 Resp: 57328

Ion Ratio Lower Upper

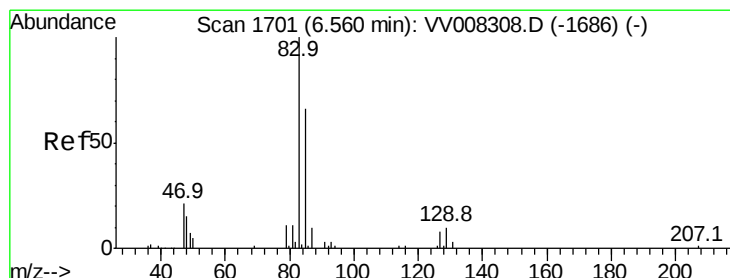
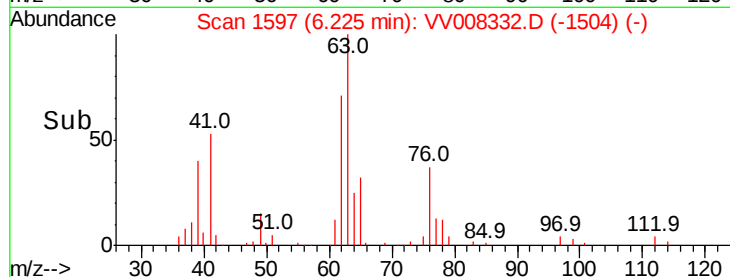
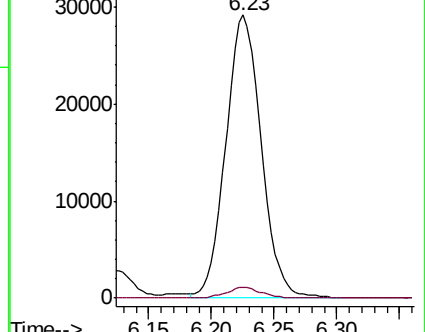
63 100

112 3.7 2.6 3.8



Abundance Ion 63.10 (62.80 to 63.80): VV008332.D (-1576) (-)

Ion 112.10 (111.80 to 112.80): VV008332.D (-1576) (-)



#38

Bromodichloromethane

Concen: 5.068 ug/L

RT: 6.56 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VV008332.D

Acq: 18 Oct 2018 09:38

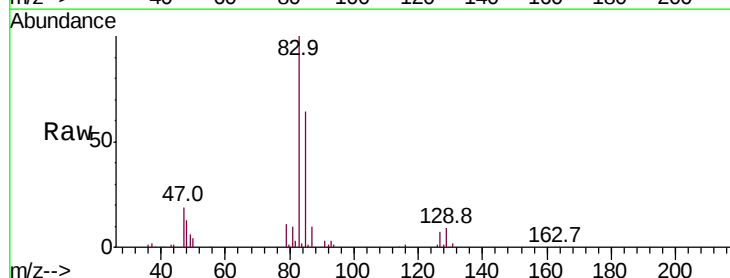
Tgt Ion: 83 Resp: 66123

Ion Ratio Lower Upper

83 100

85 63.8 44.3 82.3

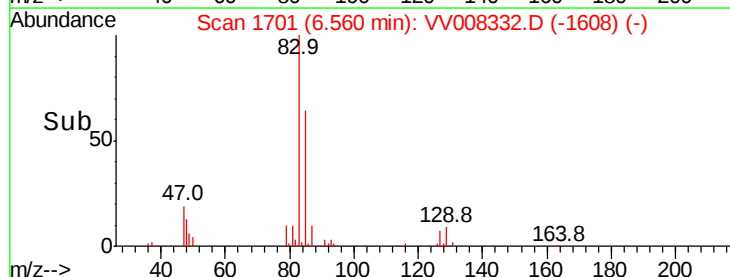
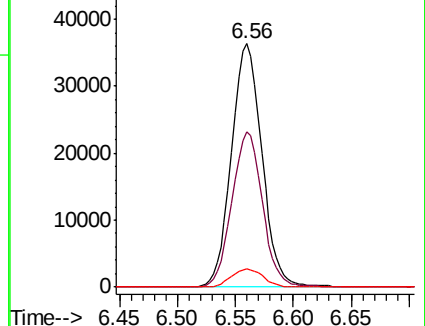
127 7.4 6.6 10.0

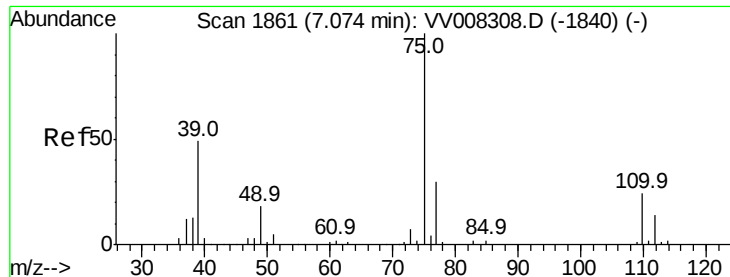


Abundance Ion 82.95 (82.65 to 83.65): VV008332.D (-1686) (-)

Ion 85.00 (84.70 to 85.70): VV008332.D (-1686) (-)

Ion 126.90 (126.60 to 127.60): VV008332.D (-1686) (-)

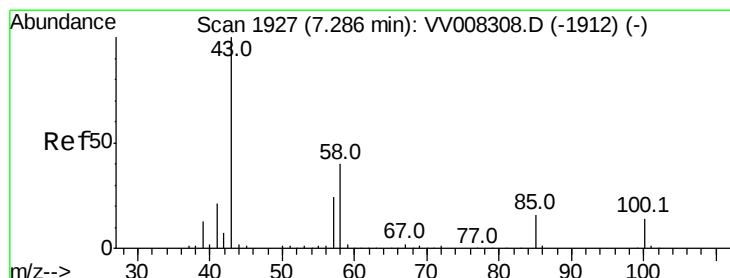
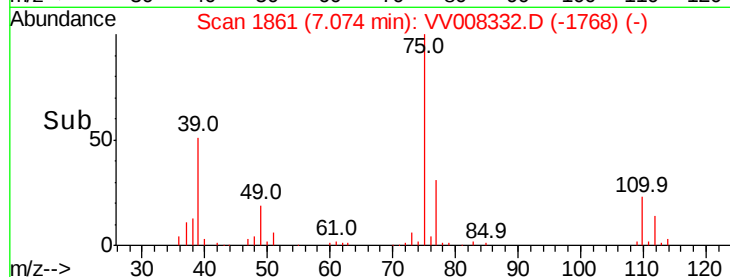
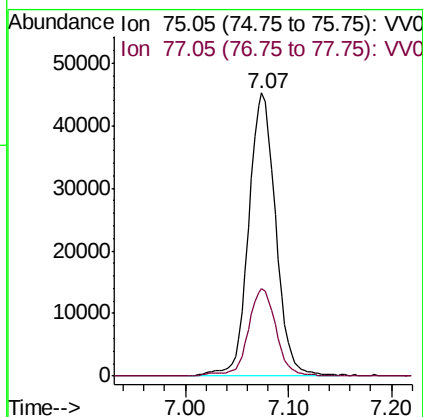
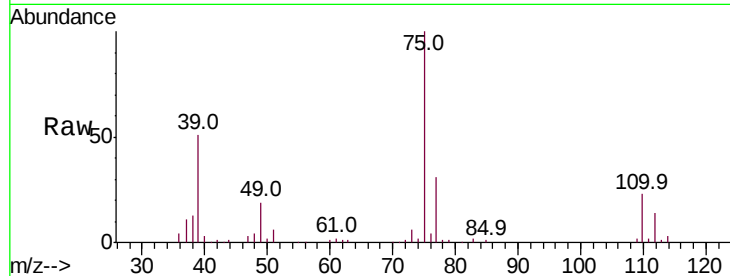




#39
 cis-1,3-Dichloropropene
 Concen: 4.975 ug/L
 RT: 7.07 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VV008332.D
 Acq: 18 Oct 2018 09:38

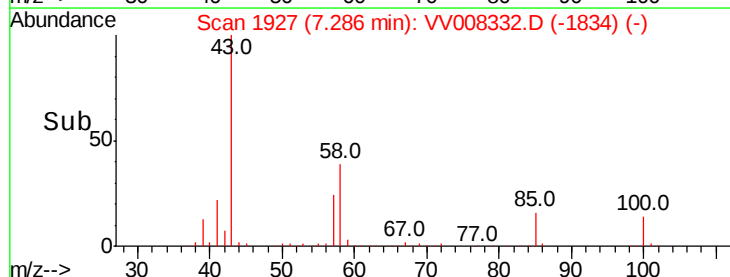
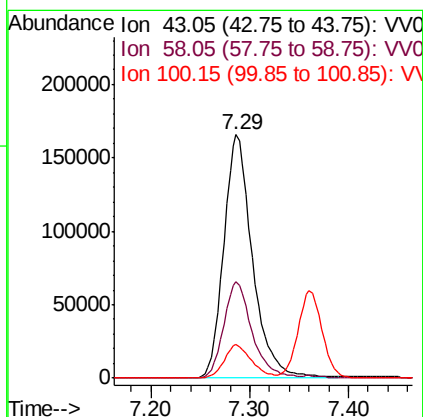
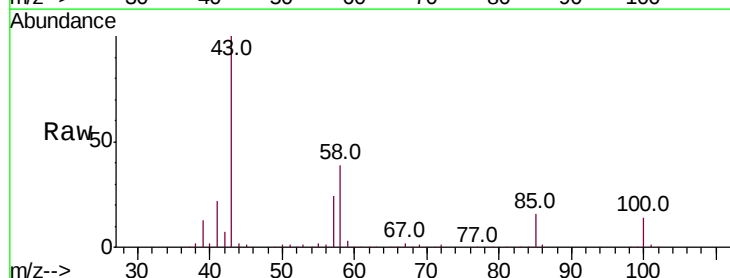
Instrument :
 MSVOA_V
 ClientSampled :

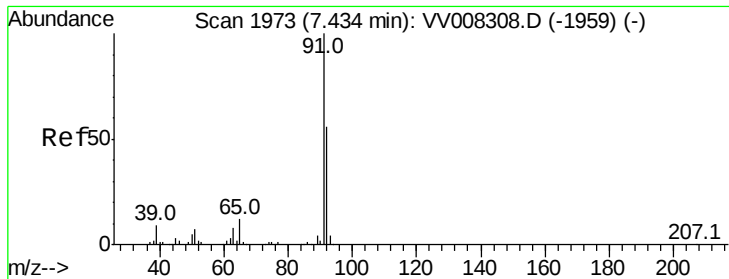
Tot Ion: 75 Resp: 82435
 Ion Ratio Lower Upper
 75 100
 77 31.0 22.3 41.3



#40
 4-Methyl-2-pentanone
 Concen: 47.435 ug/L
 RT: 7.29 min Scan# 1927
 Delta R.T. 0.00 min
 Lab File: VV008332.D
 Acq: 18 Oct 2018 09:38

Tgt Ion: 43 Resp: 337398
 Ion Ratio Lower Upper
 43 100
 58 39.2 31.3 46.9
 100 13.1 10.5 15.7





#42

Toluene

Concen: 5.138 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VV008332.D

Acq: 18 Oct 2018 09:38

Instrument :

MSVOA_V

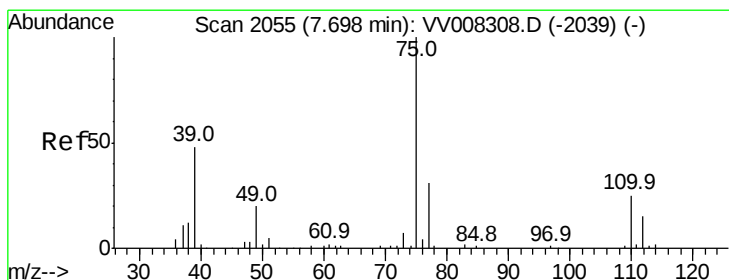
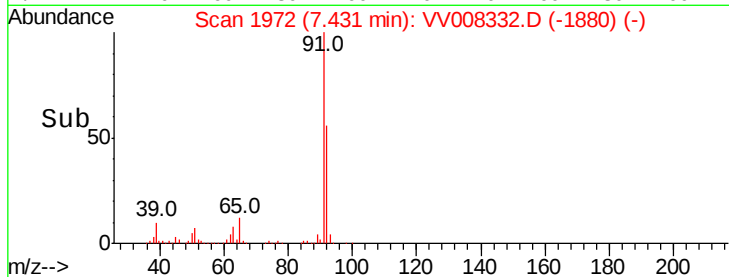
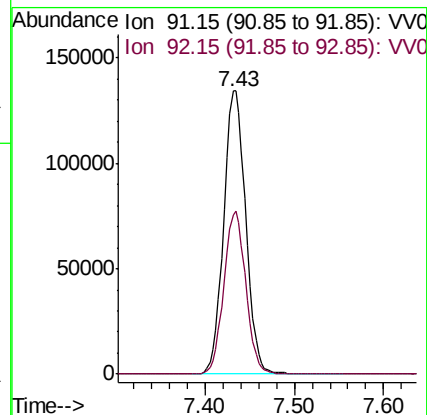
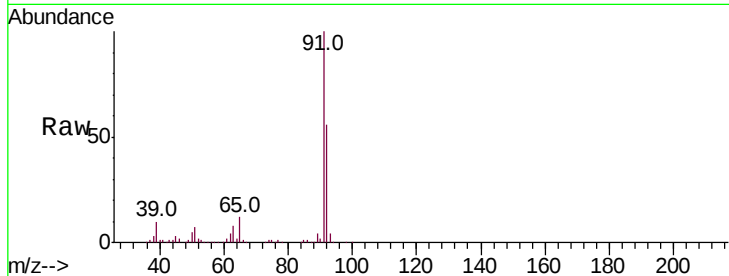
ClientSampleId :

Tot Ion: 91 Resp: 230537

Ion Ratio Lower Upper

91 100

92 56.4 40.1 74.5



#44

trans-1,3-Dichloropropene

Concen: 4.814 ug/L

RT: 7.70 min Scan# 2055

Delta R.T. 0.00 min

Lab File: VV008332.D

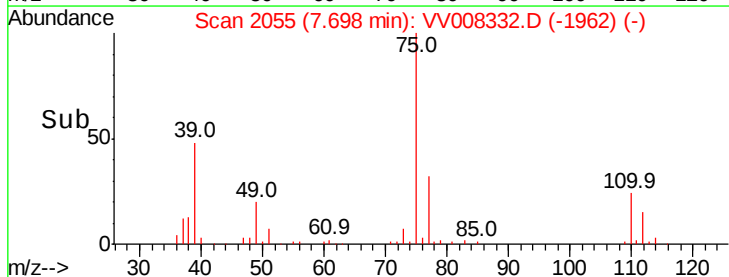
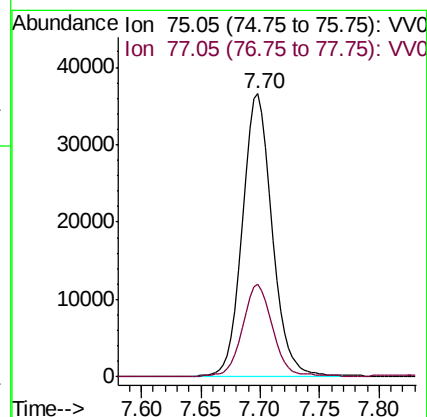
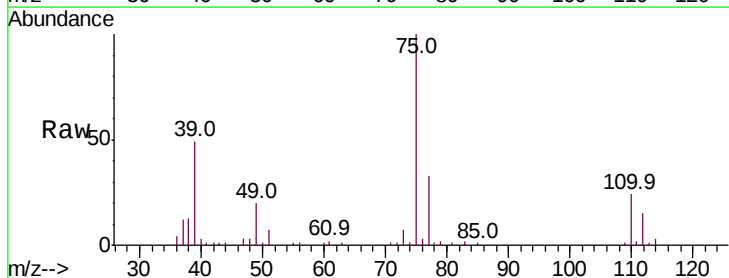
Acq: 18 Oct 2018 09:38

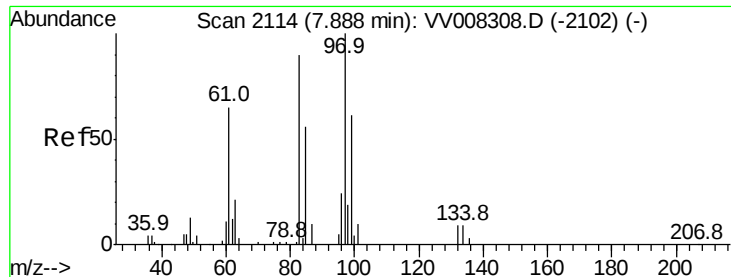
Tgt Ion: 75 Resp: 63845

Ion Ratio Lower Upper

75 100

77 32.5 22.3 41.5

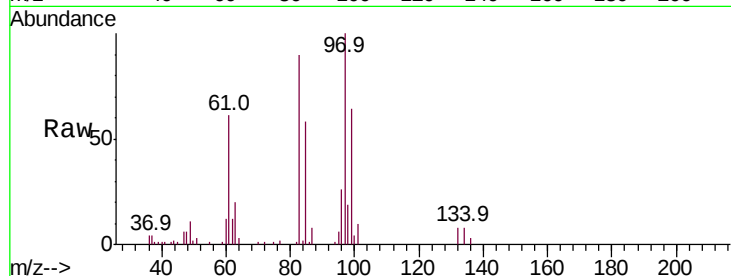




#45
1,1,2-Trichloroethane
Concen: 4.914 ug/L
RT: 7.89 min Scan# 2114
Delta R.T. 0.00 min
Lab File: VV008332.D
Acq: 18 Oct 2018 09:38

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:	97	Resp:	35432
Ion	Ratio	Lower	Upper
97	100		
99	64.1	44.1	81.9
83	89.8	63.7	118.3
85	58.5	40.7	75.7



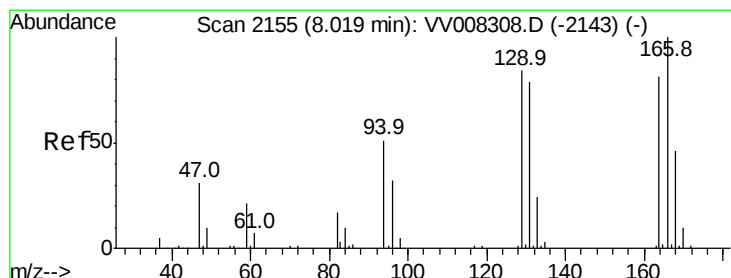
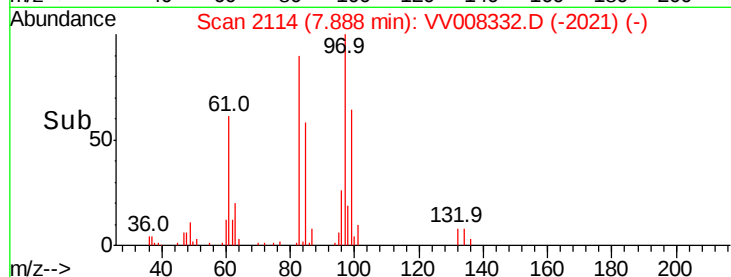
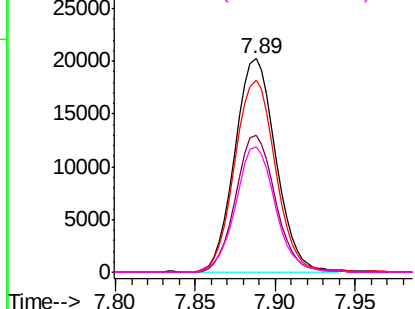
Abundance

Ion 96.95 (96.65 to 97.65): VV008332.D (-2021) (-)

Ion 99.05 (98.75 to 99.75): VV008332.D (-2021) (-)

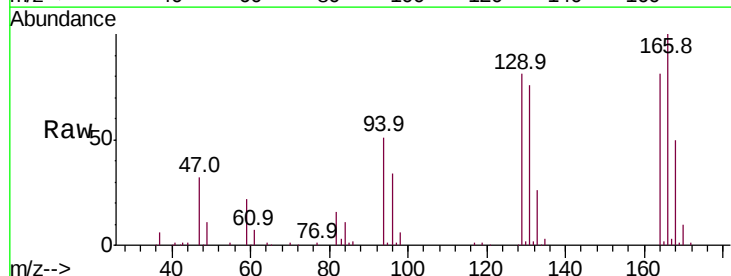
Ion 82.95 (82.65 to 83.65): VV008332.D (-2021) (-)

Ion 85.00 (84.70 to 85.70): VV008332.D (-2021) (-)



#47
Tetrachloroethene
Concen: 5.301 ug/L
RT: 8.02 min Scan# 2155
Delta R.T. 0.00 min
Lab File: VV008332.D
Acq: 18 Oct 2018 09:38

Tgt Ion:	164	Resp:	39618
Ion	Ratio	Lower	Upper
164	100		
129	99.6	76.5	142.1
131	93.1	74.7	138.7
166	123.3	91.6	170.0



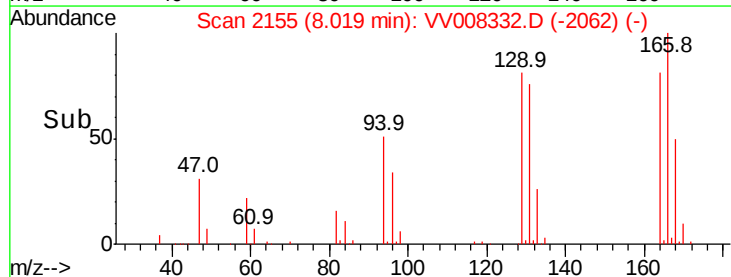
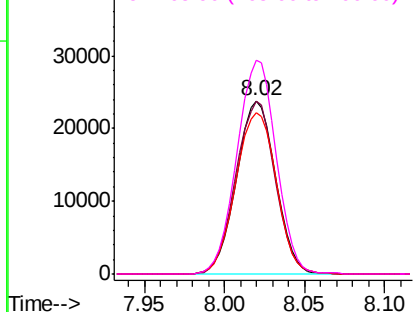
Abundance

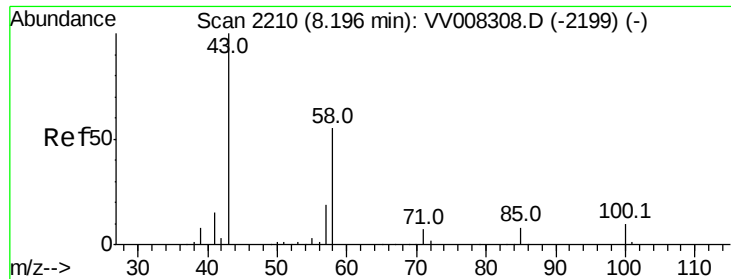
Ion 163.90 (163.60 to 164.60): VV008332.D (-2062) (-)

Ion 128.95 (128.65 to 129.65): VV008332.D (-2062) (-)

Ion 130.95 (130.65 to 131.65): VV008332.D (-2062) (-)

Ion 165.90 (165.60 to 166.60): VV008332.D (-2062) (-)

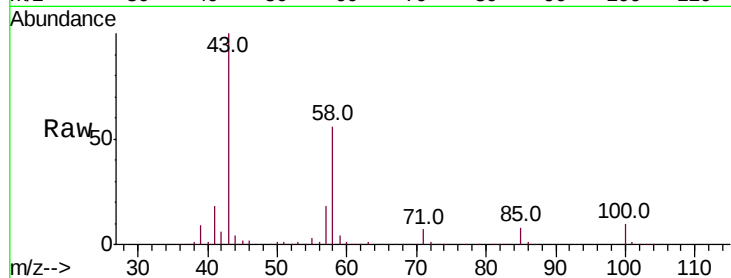




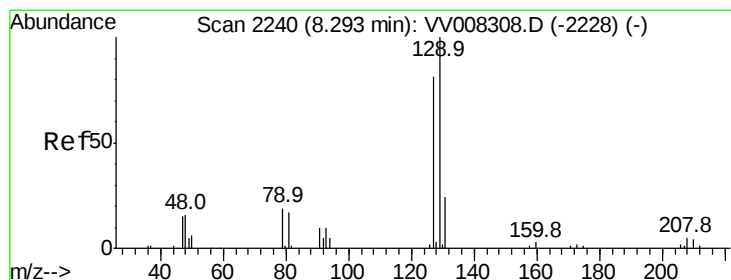
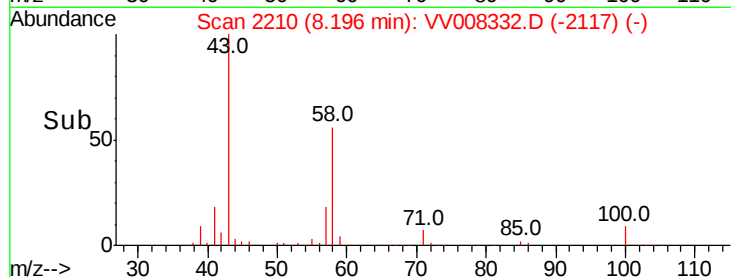
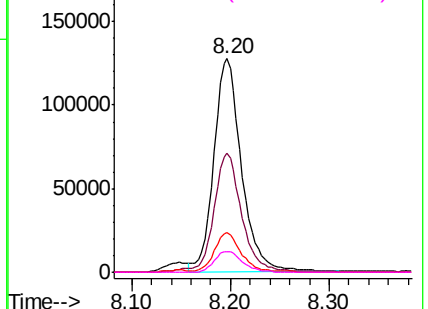
#48
2-Hexanone
Concen: 47.872 ug/L
RT: 8.20 min Scan# 2210
Delta R.T. 0.00 min
Lab File: VV008332.D
Acq: 18 Oct 2018 09:38

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 248876
Ion Ratio Lower Upper
43 100
58 57.1 45.0 67.4
57 18.0 14.4 21.6
100 10.1 7.9 11.9

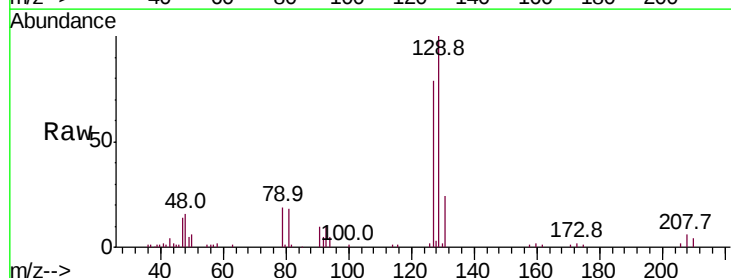


Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0

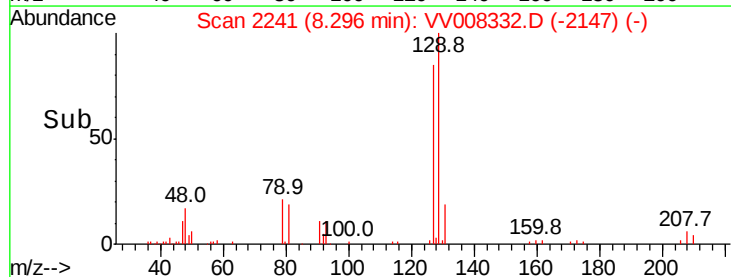
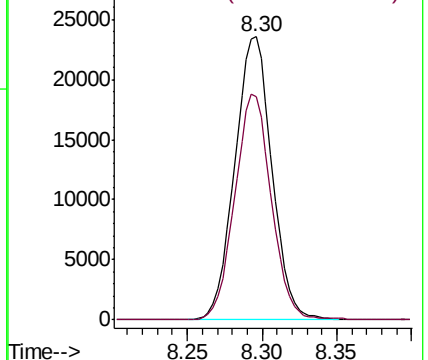


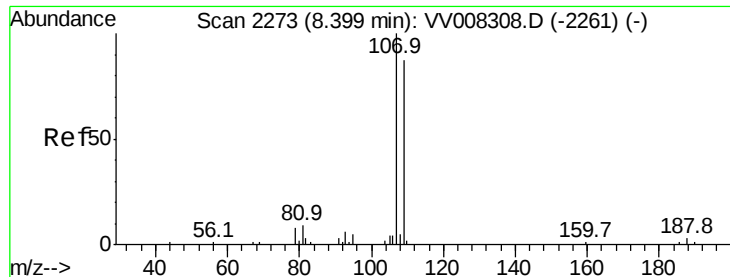
#49
Dibromochloromethane
Concen: 4.955 ug/L
RT: 8.30 min Scan# 2241
Delta R.T. 0.00 min
Lab File: VV008332.D
Acq: 18 Oct 2018 09:38

Tgt Ion: 129 Resp: 40724
Ion Ratio Lower Upper
129 100
127 78.9 54.7 101.7



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

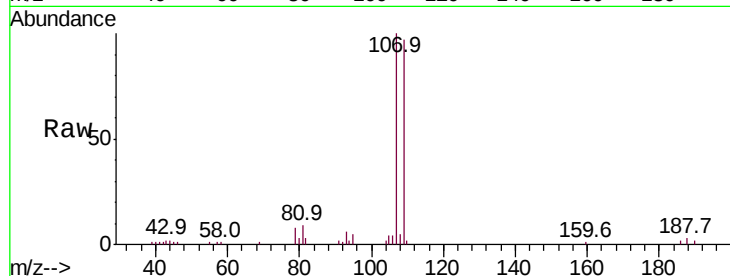




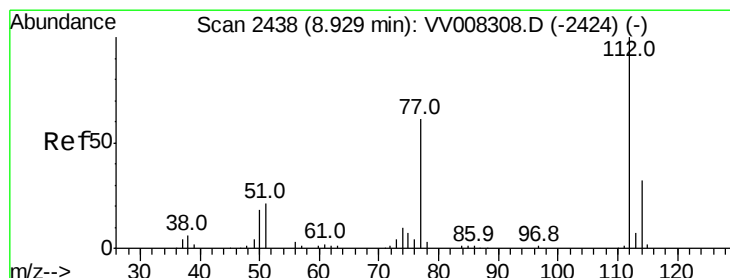
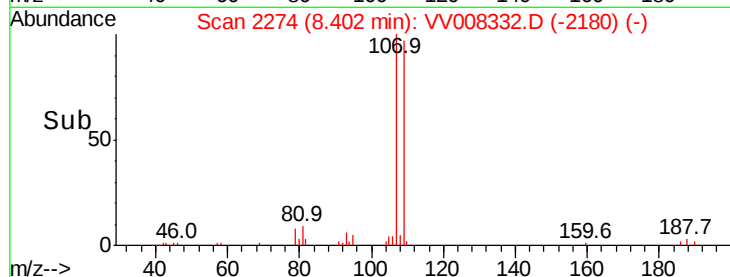
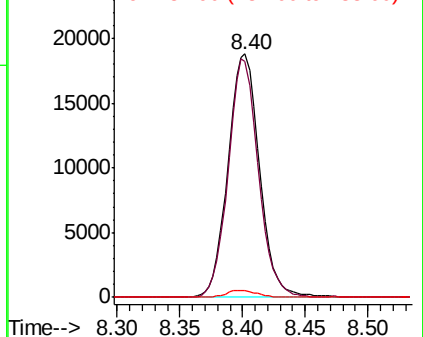
#50
 1,2-Dibromoethane
 Concen: 4.851 ug/L
 RT: 8.40 min Scan# 2274
 Delta R.T. 0.00 min
 Lab File: VV008332.D
 Acq: 18 Oct 2018 09:38

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:107 Resp: 32784
 Ion Ratio Lower Upper
 107 100
 109 97.1 69.6 129.2
 188 2.6 2.9 4.3#

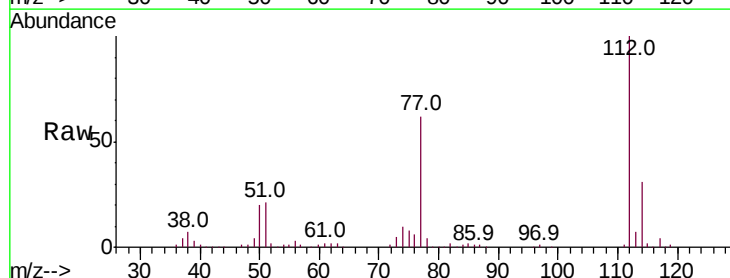


Abundance Ion 106.95 (106.65 to 107.65): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 187.90 (187.60 to 188.60): V

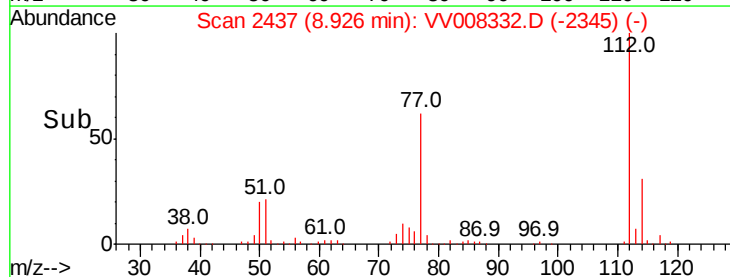
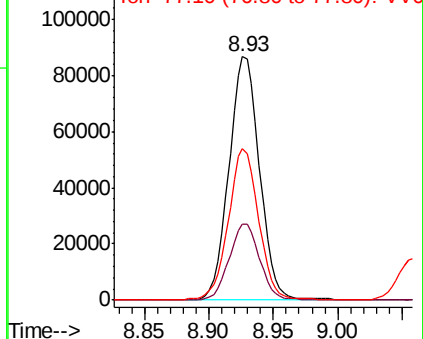


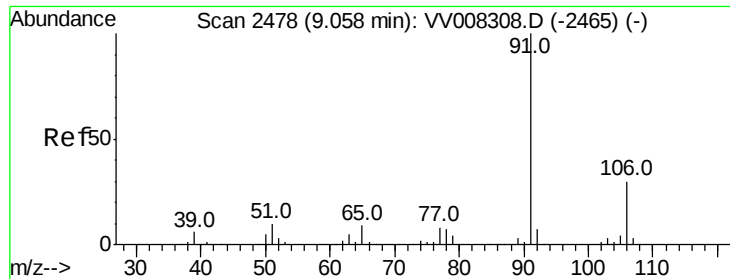
#51
 Chlorobenzene
 Concen: 5.353 ug/L
 RT: 8.93 min Scan# 2437
 Delta R.T. -0.00 min
 Lab File: VV008332.D
 Acq: 18 Oct 2018 09:38

Tgt Ion:112 Resp: 142693
 Ion Ratio Lower Upper
 112 100
 114 31.3 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: 5.175 ug/L

RT: 9.06 min Scan# 2478

Delta R.T. 0.00 min

Lab File: VV008332.D

Acq: 18 Oct 2018 09:38

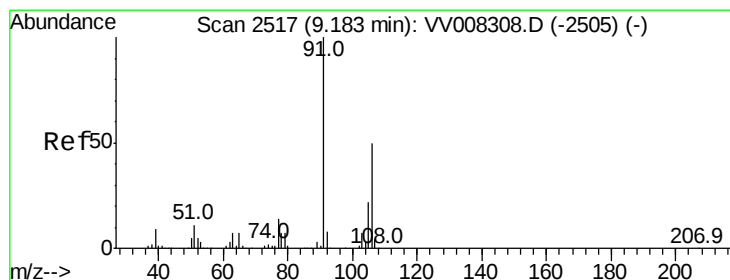
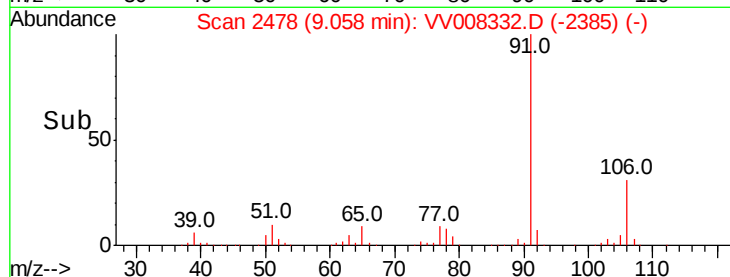
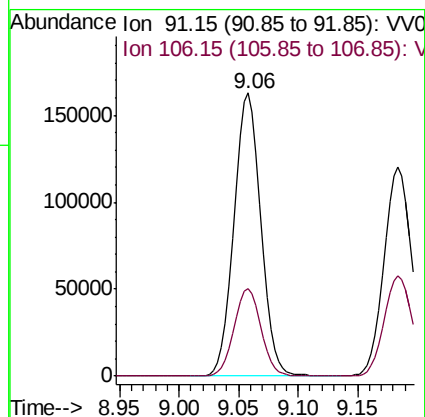
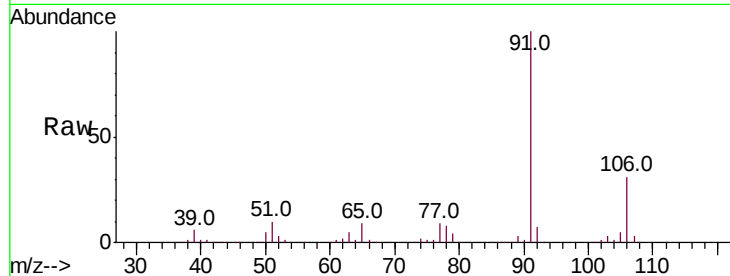
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 255299

Ion Ratio Lower Upper

91 100

106 31.0 21.6 40.2



#53

m,p-xylene

Concen: 5.348 ug/L

RT: 9.18 min Scan# 2517

Delta R.T. 0.00 min

Lab File: VV008332.D

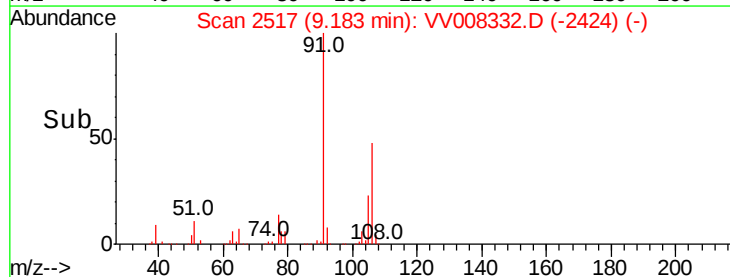
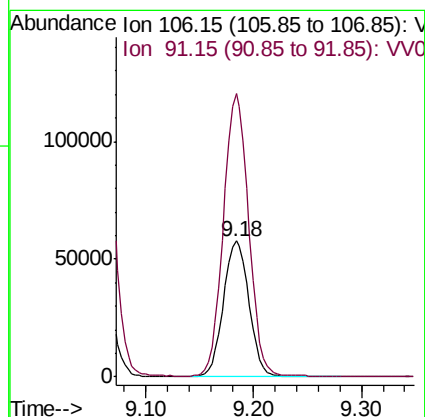
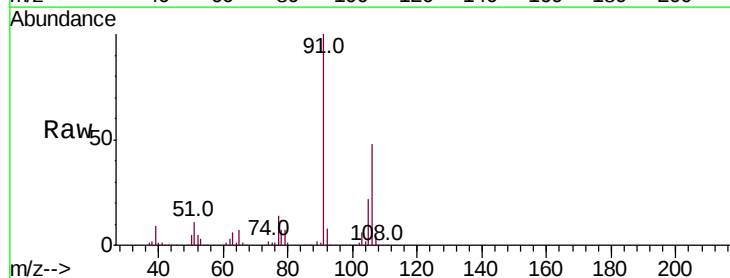
Acq: 18 Oct 2018 09:38

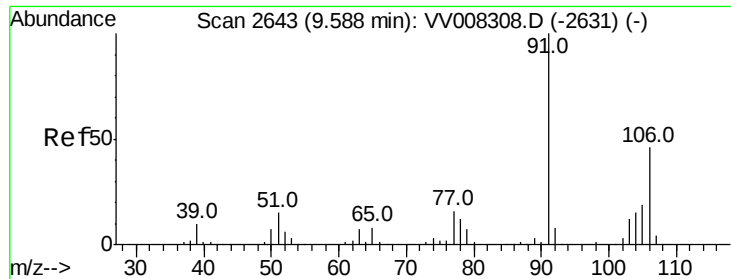
Tgt Ion: 106 Resp: 95436

Ion Ratio Lower Upper

106 100

91 208.6 145.2 269.6





#54

o-xylene

Concen: 5.259 ug/L

RT: 9.59 min Scan# 2643

Delta R.T. 0.00 min

Lab File: VV008332.D

Acq: 18 Oct 2018 09:38

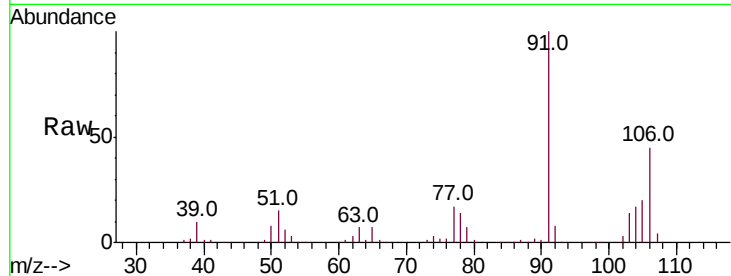
Instrument :
MSVOA_V
ClientSampled :

Tot Ion:106 Resp: 93497

Ion Ratio Lower Upper

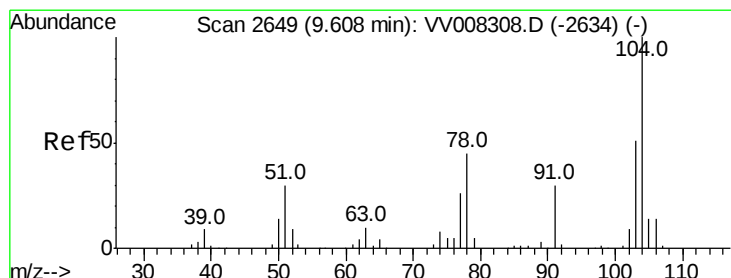
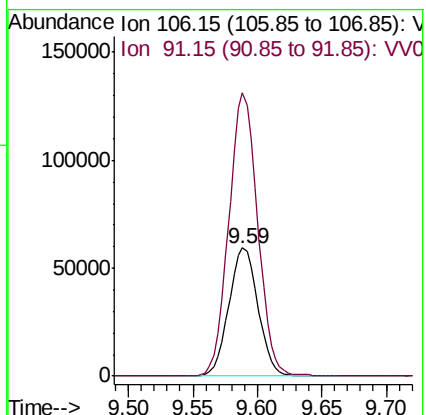
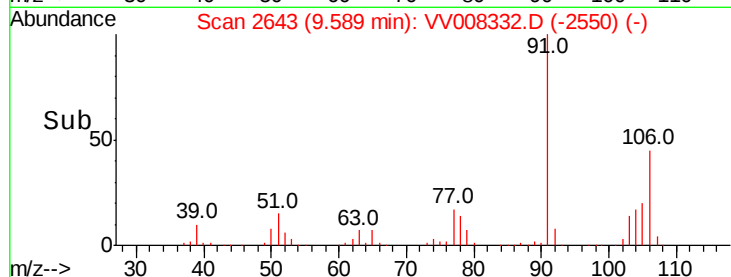
106 100

91 221.0 153.2 284.4



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 5.312 ug/L

RT: 9.60 min Scan# 2648

Delta R.T. -0.00 min

Lab File: VV008332.D

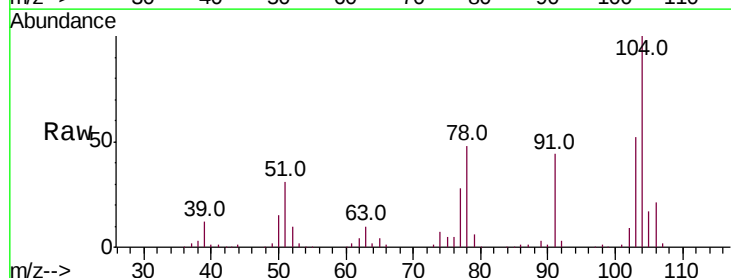
Acq: 18 Oct 2018 09:38

Tgt Ion:104 Resp: 151933

Ion Ratio Lower Upper

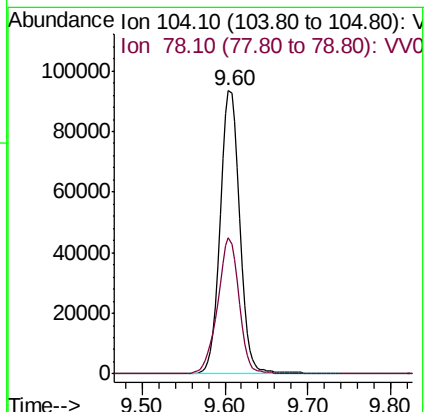
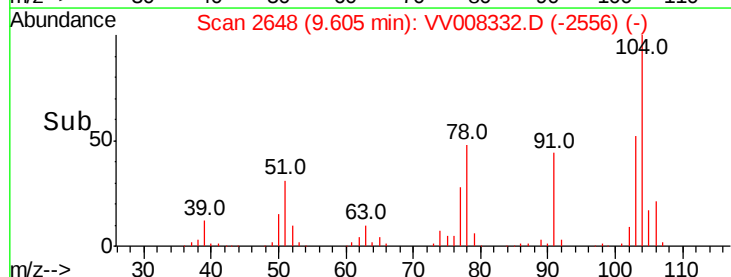
104 100

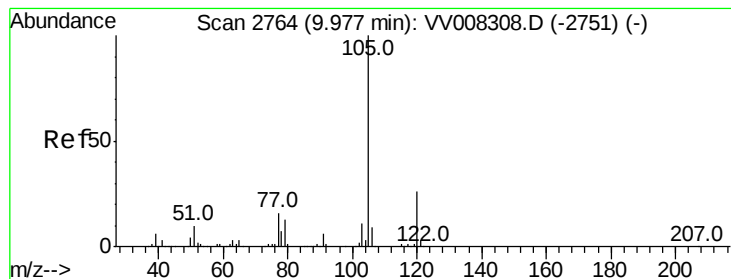
78 48.0 32.5 60.3



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 5.284 ug/L

RT: 9.98 min Scan# 2764

Delta R.T. 0.00 min

Lab File: VV008332.D

Acq: 18 Oct 2018 09:38

Instrument :

MSVOA_V

ClientSampleId :

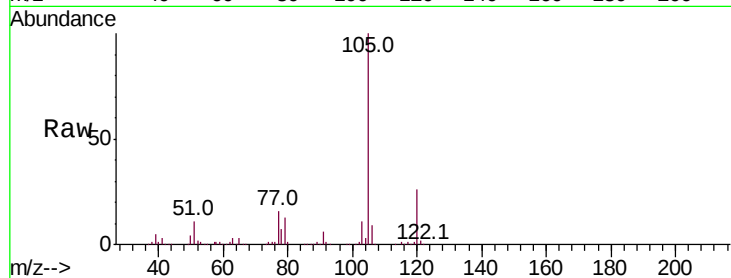
Tot Ion:105 Resp: 247572

Ion Ratio Lower Upper

105 100

120 26.0 21.2 31.8

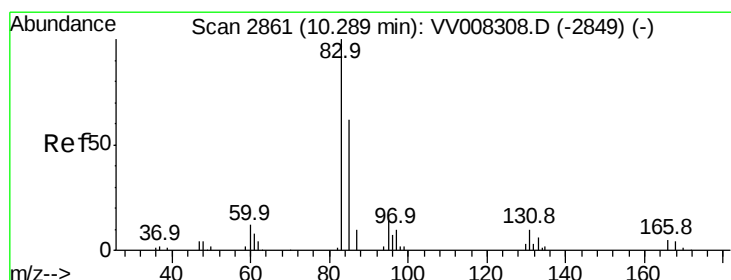
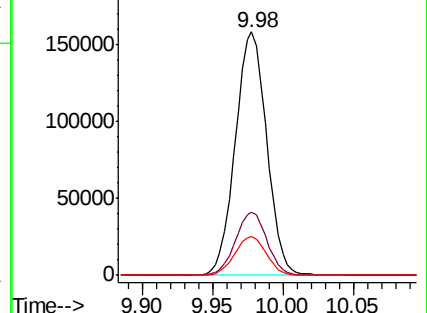
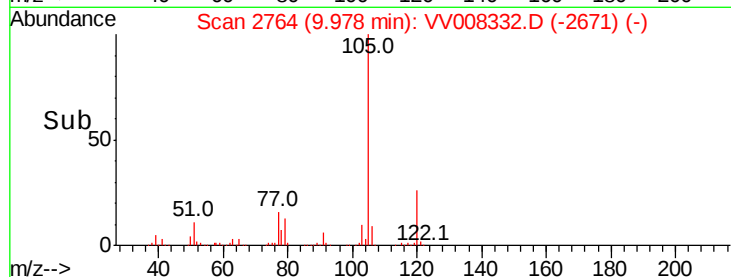
77 16.2 13.0 19.6



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: 4.317 ug/L

RT: 10.29 min Scan# 2861

Delta R.T. 0.00 min

Lab File: VV008332.D

Acq: 18 Oct 2018 09:38

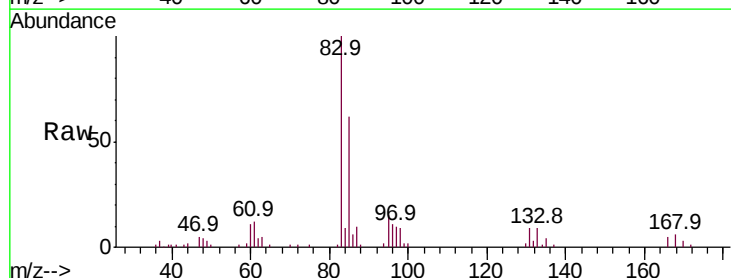
Tgt Ion: 83 Resp: 35415

Ion Ratio Lower Upper

83 100

85 62.5 45.6 84.6

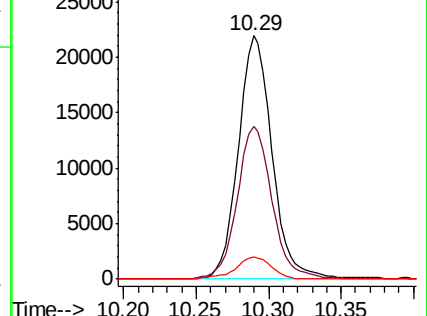
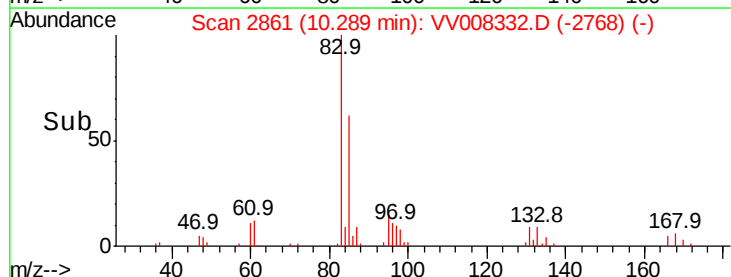
131 8.9 6.6 10.0

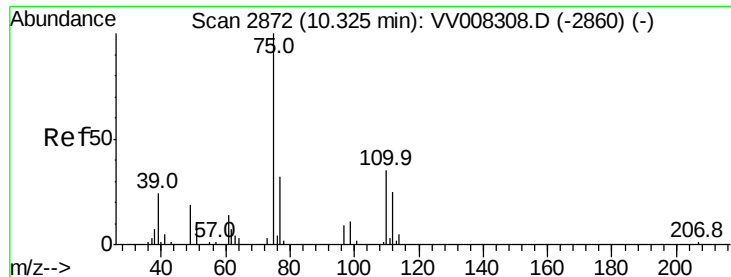


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 4.791 ug/L

RT: 10.32 min Scan# 2871

Delta R.T. -0.00 min

Lab File: VV008332.D

Acq: 18 Oct 2018 09:38

Instrument :

MSVOA_V

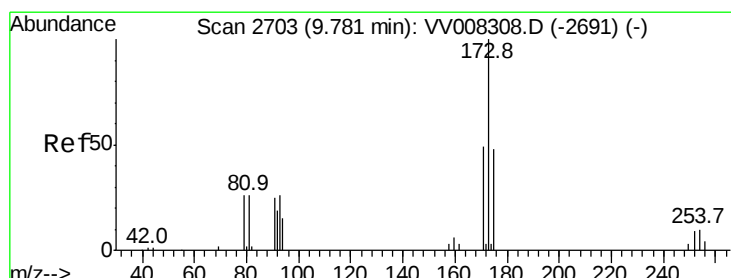
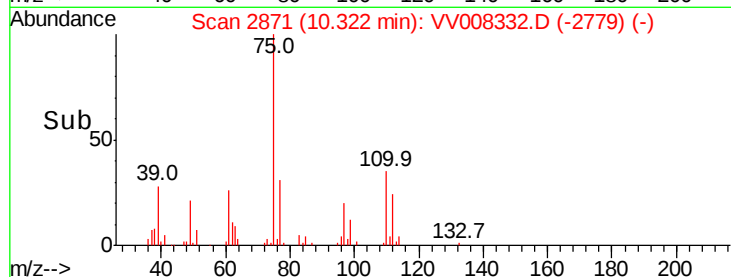
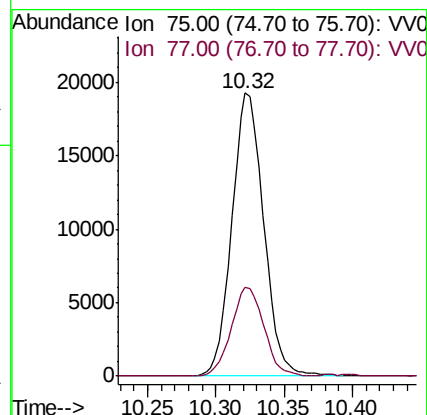
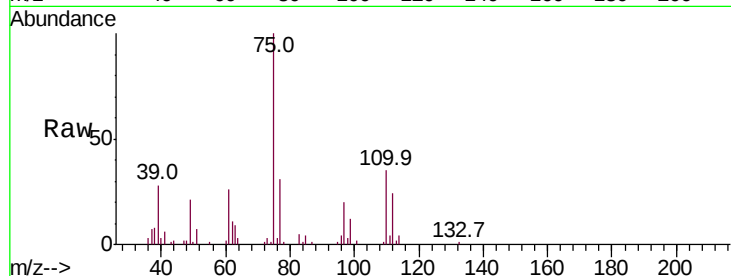
ClientSampled :

Tot Ion: 75 Resp: 31132

Ion Ratio Lower Upper

75 100

77 32.4 27.0 40.6



#61

Bromoform

Concen: 4.853 ug/L

RT: 9.78 min Scan# 2702

Delta R.T. -0.00 min

Lab File: VV008332.D

Acq: 18 Oct 2018 09:38

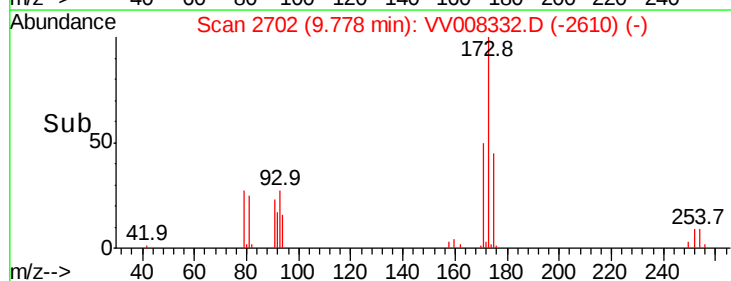
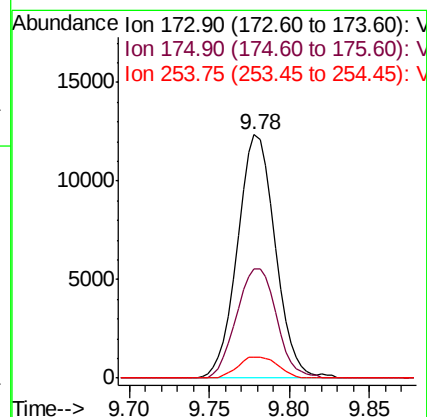
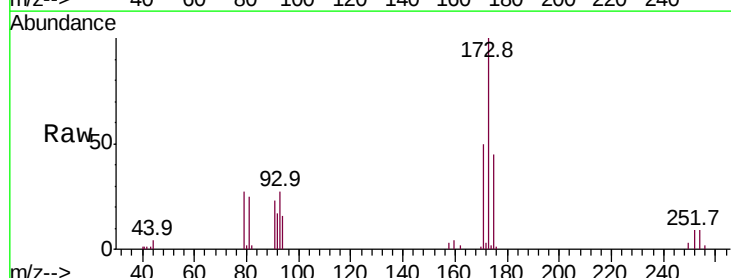
Tgt Ion: 173 Resp: 19851

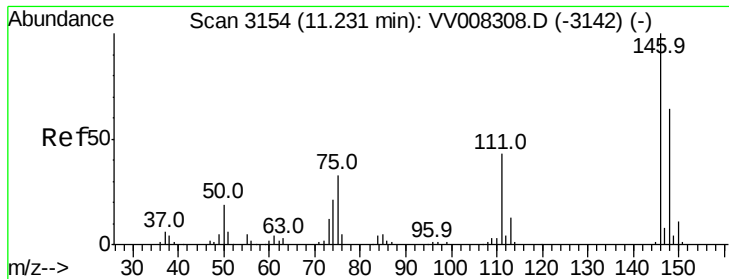
Ion Ratio Lower Upper

173 100

175 47.5 38.7 58.1

254 9.0 5.9 8.9#





#62

1,3-Dichlorobenzene

Concen: 5.311 ug/L

RT: 11.23 min Scan# 3153

Delta R.T. -0.00 min

Lab File: VV008332.D

Acq: 18 Oct 2018 09:38

Instrument :

MSVOA_V

ClientSampled :

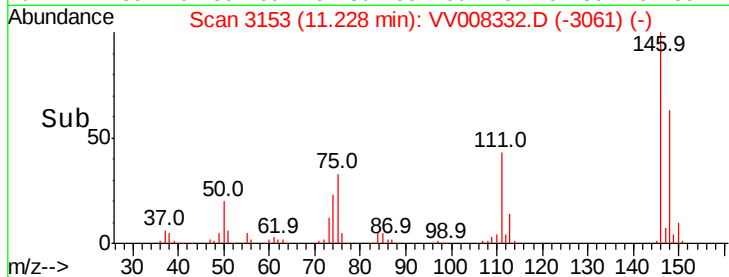
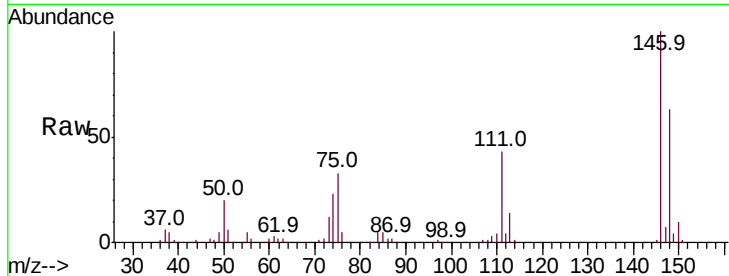
Tot Ion:146 Resp: 100570

Ion Ratio Lower Upper

146 100

111 42.6 28.0 52.0

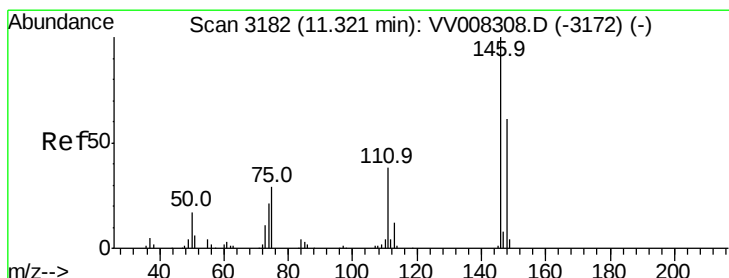
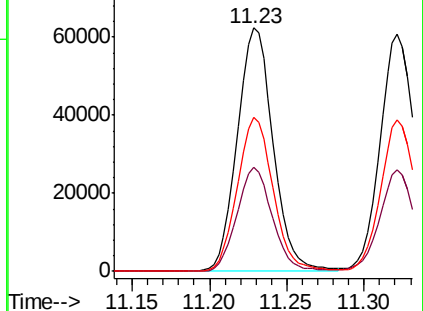
148 63.0 42.9 79.7



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: 5.242 ug/L

RT: 11.32 min Scan# 3182

Delta R.T. 0.00 min

Lab File: VV008332.D

Acq: 18 Oct 2018 09:38

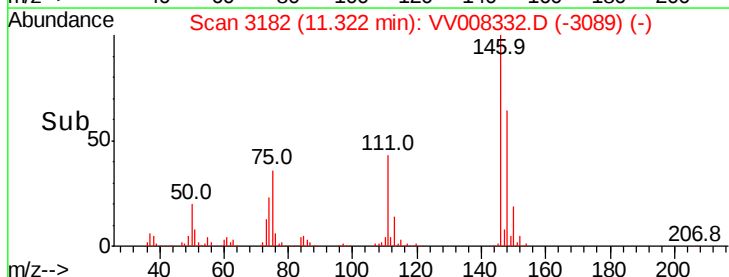
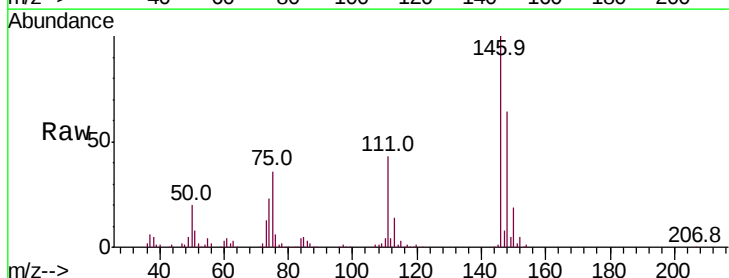
Tgt Ion:146 Resp: 98283

Ion Ratio Lower Upper

146 100

111 43.0 30.0 55.6

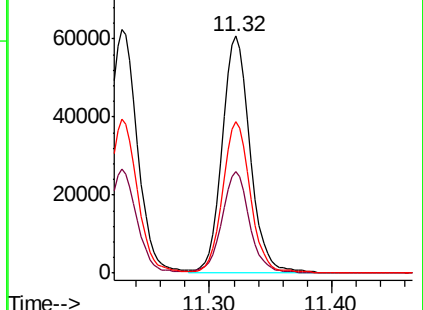
148 63.9 44.5 82.7

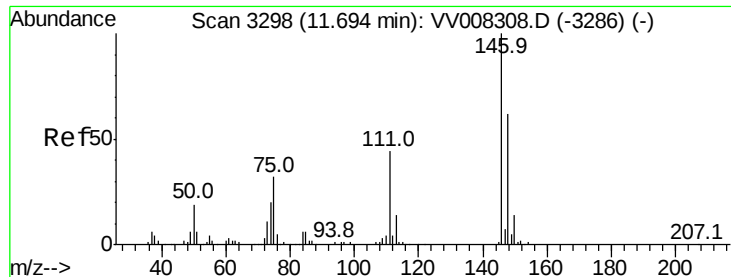


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 5.177 ug/L

RT: 11.69 min Scan# 3298

Delta R.T. 0.00 min

Lab File: VV008332.D

Acq: 18 Oct 2018 09:38

Instrument :

MSVOA_V

ClientSampleId :

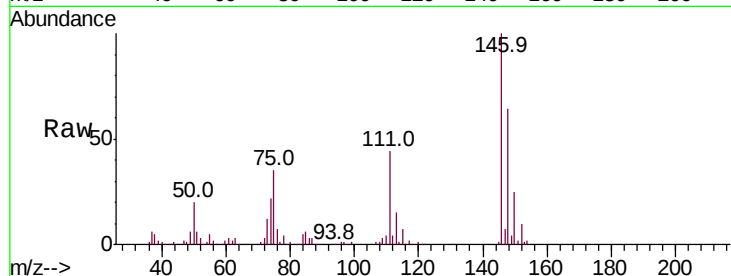
Tot Ion:146 Resp: 93991

Ion Ratio Lower Upper

146 100

111 43.7 35.5 53.3

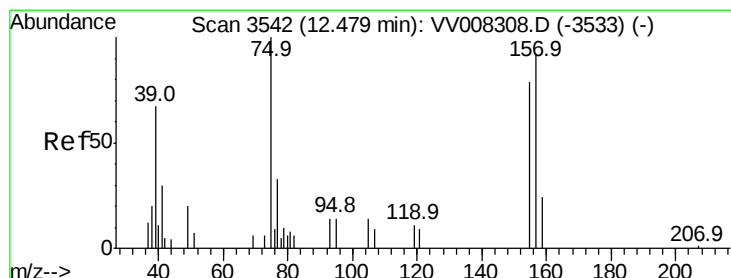
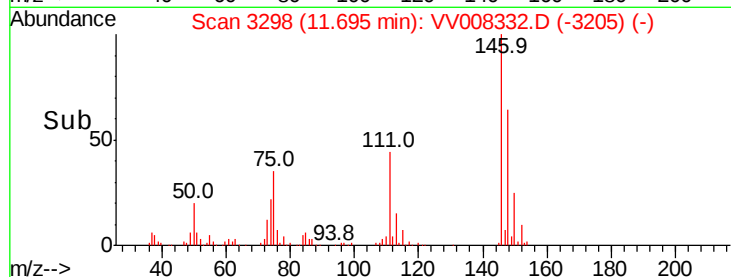
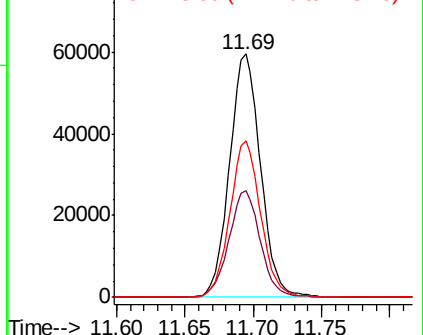
148 64.3 51.5 77.3



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: 4.426 ug/L

RT: 12.48 min Scan# 3543

Delta R.T. 0.00 min

Lab File: VV008332.D

Acq: 18 Oct 2018 09:38

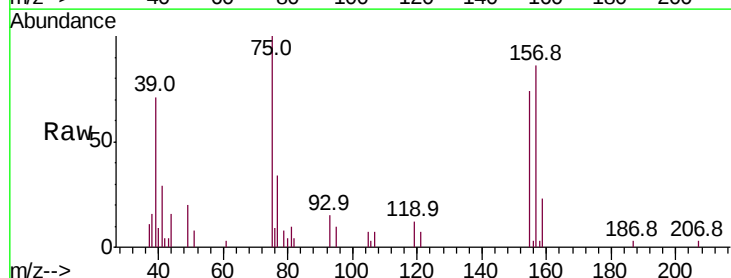
Tgt Ion: 75 Resp: 6061

Ion Ratio Lower Upper

75 100

155 74.0 63.6 95.4

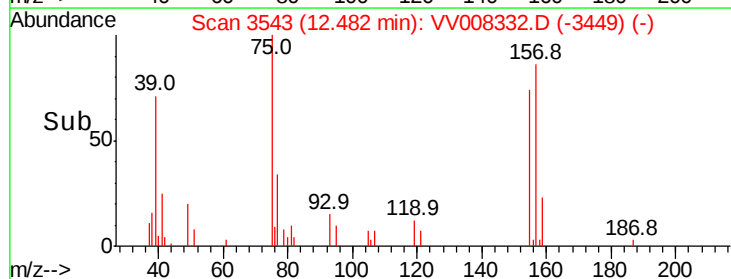
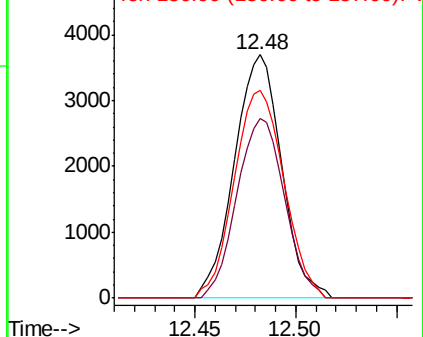
157 85.5 84.3 126.5

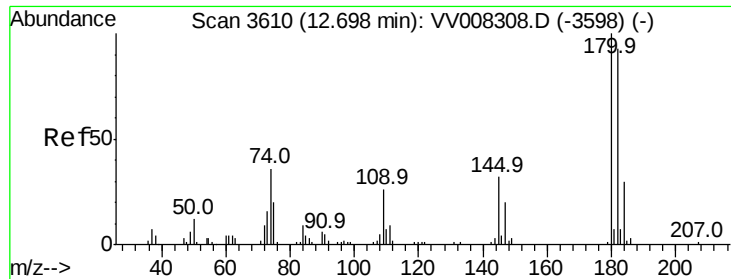


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

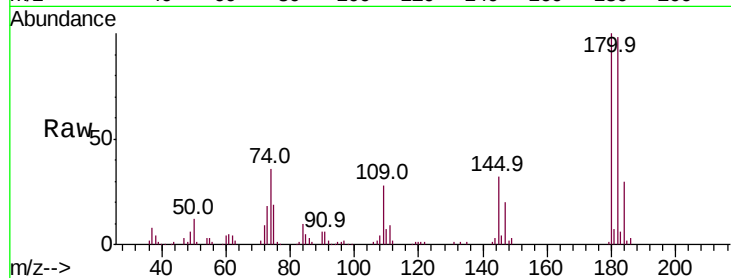




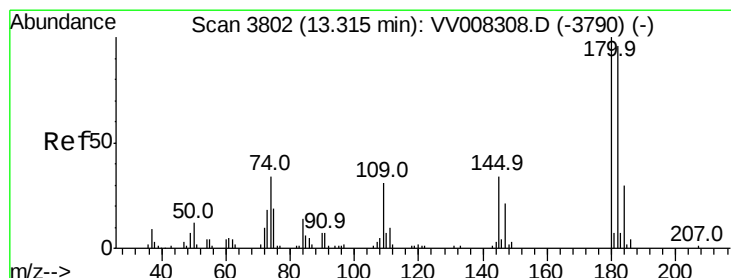
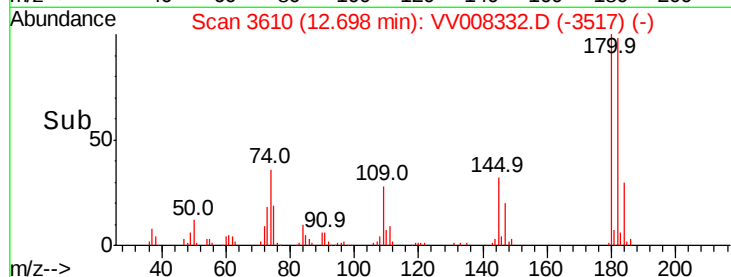
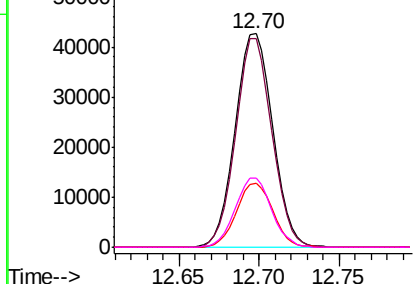
#67
 1,3,5-Trichlorobenzene
 Concen: 5.562 ug/L
 RT: 12.70 min Scan# 3610
 Delta R.T. 0.00 min
 Lab File: VV008332.D
 Acq: 18 Oct 2018 09:38

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:	180	Resp:	68147
Ion	Ratio	Lower	Upper
180	100		
182	94.0	74.5	111.7
184	29.2	23.5	35.3
145	31.2	25.9	38.9

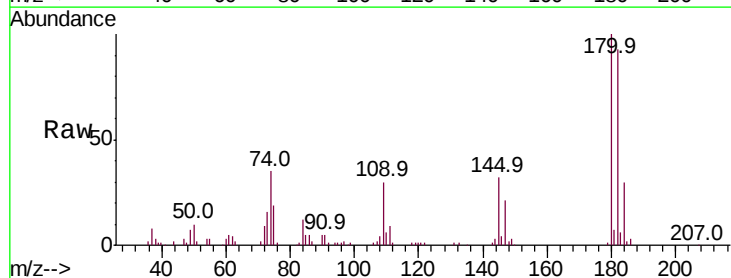


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

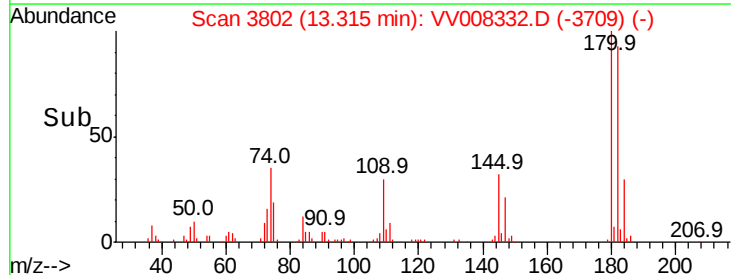
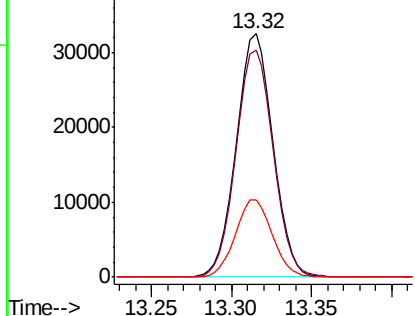


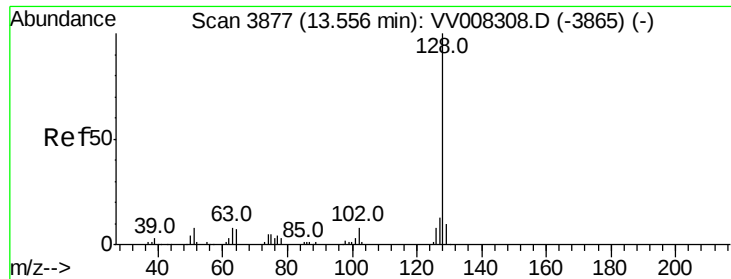
#68
 1,2,4-trichlorobenzene
 Concen: 5.802 ug/L
 RT: 13.32 min Scan# 3802
 Delta R.T. 0.00 min
 Lab File: VV008332.D
 Acq: 18 Oct 2018 09:38

Tgt Ion:	180	Resp:	50609
Ion	Ratio	Lower	Upper
180	100		
182	95.2	75.3	112.9
145	31.9	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: 4.895 ug/L

RT: 13.56 min Scan# 3877

Delta R.T. 0.00 min

Lab File: VV008332.D

Acq: 18 Oct 2018 09:38

Instrument :

MSVOA_V

ClientSampleId :

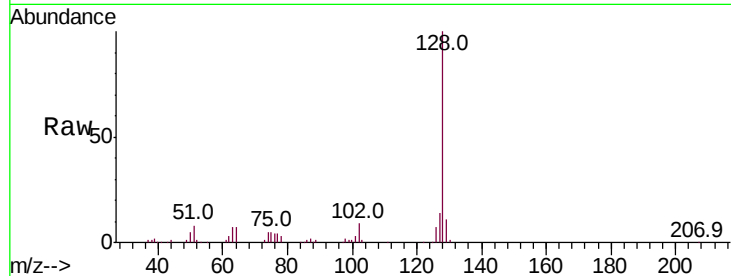
Tot Ion:128 Resp: 79593

Ion Ratio Lower Upper

128 100

129 10.7 8.6 12.8

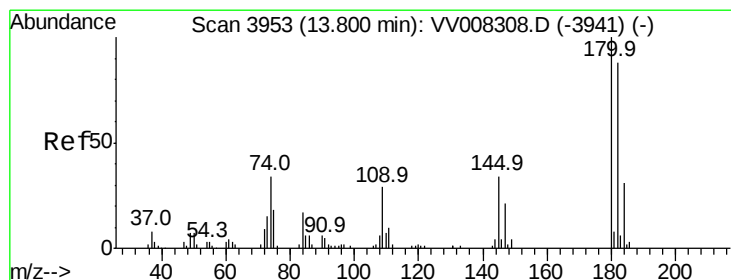
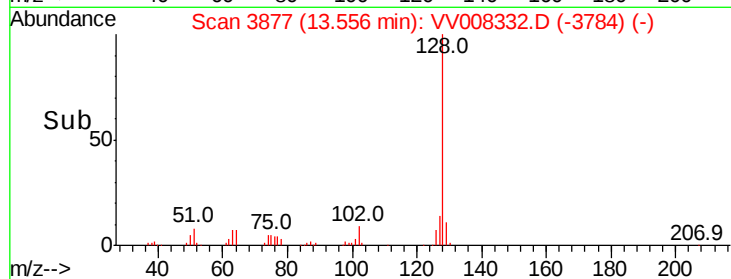
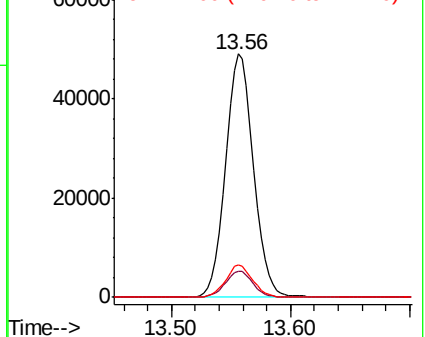
127 12.9 10.1 15.1



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: 5.359 ug/L

RT: 13.80 min Scan# 3952

Delta R.T. -0.00 min

Lab File: VV008332.D

Acq: 18 Oct 2018 09:38

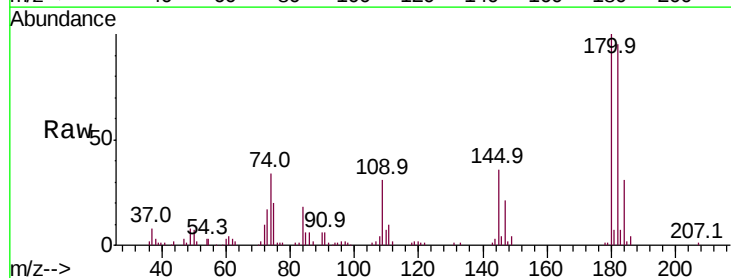
Tgt Ion:180 Resp: 46407

Ion Ratio Lower Upper

180 100

182 95.4 75.8 113.8

145 35.8 28.3 42.5



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

