

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV032319\
 Data File : VV009845.D
 Acq On : 23 Mar 2019 11:16
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Mar 23 22:00:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR032119WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Mar 23 03:53:22 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	122977	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	125020	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	61444	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	72725	4.89	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	97.80%
7) Chloroethane-d5	1.59	69	65861	5.10	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	102.00%
11) 1,1-Dichloroethene-d2	2.13	63	186566	5.29	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	105.80%
20) 2-Butanone-d5	3.97	46	82882	48.19	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	96.38%
24) Chloroform-d	4.40	84	75115	4.79	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.80%
26) 1,2-Dichloroethane-d4	5.09	65	34298	4.76	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.20%
32) Benzene-d6	5.10	84	151664	4.67	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.40%
36) 1,2-Dichloropropane-d6	6.12	67	44823	4.63	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	92.60%
41) Toluene-d8	7.36	98	152453	4.80	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.00%
43) trans-1,3-Dichloropropene-	7.66	79	17037	4.72	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	94.40%
46) 2-Hexanone-d5	8.14	63	70725	46.02	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	92.04%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	33636	4.50	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	90.00%
64) 1,2-Dichlorobenzene-d4	11.67	152	51519	4.62	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	92.40%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	52224	4.708	ug/L 94
3) Chloromethane	1.25	50	82024	5.060	ug/L 98
5) Vinyl chloride	1.32	62	88915	4.982	ug/L 97
6) Bromomethane	1.54	94	61074	5.599	ug/L 99
8) Chloroethane	1.60	64	60313	4.870	ug/L 100
9) Trichlorofluoromethane	1.77	101	199935	5.358	ug/L 98
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	96772	5.241	ug/L 95
12) 1,1-Dichloroethene	2.14	96	88403	5.391	ug/L 94
13) Acetone	2.23	43	121489	54.530	ug/L # 58
14) Carbon disulfide	2.32	76	234319	5.167	ug/L 99
15) Methyl Acetate	2.48	43	31974	6.041	ug/L 94
16) Methylene chloride	2.54	84	86154	4.646	ug/L 97
17) Methyl tert-butyl Ether	2.81	73	198734	5.246	ug/L 98
18) trans-1,2-Dichloroethene	2.79	96	93289	5.294	ug/L 88
19) 1,1-Dichloroethane	3.23	63	168585	5.511	ug/L 97
21) 2-Butanone	4.06	43	85952	49.102	ug/L 94
22) cis-1,2-Dichloroethene	3.96	96	43195	5.067	ug/L 85

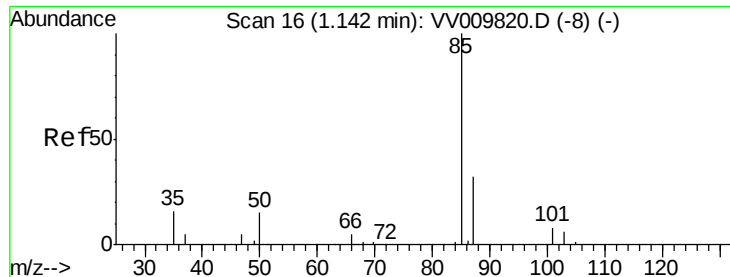
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV032319\
 Data File : VV009845.D
 Acq On : 23 Mar 2019 11:16
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Mar 23 22:00:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR032119WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Mar 23 03:53:22 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	16310	4.719	ug/L	84
25) Chloroform	4.43	83	75696	5.079	ug/L	98
27) 1,2-Dichloroethane	5.18	62	45418	5.007	ug/L	98
29) 1,1,1-Trichloroethane	4.65	97	61709	4.574	ug/L	95
30) Cyclohexane	4.72	56	63802	4.562	ug/L	99
31) Carbon tetrachloride	4.87	117	55593	4.785	ug/L	99
33) Benzene	5.14	78	168460	4.798	ug/L	100
34) Trichloroethene	5.96	95	42927	4.833	ug/L	95
35) Methylcyclohexane	6.17	83	72636	4.778	ug/L	99
37) 1,2-Dichloropropane	6.22	63	41915	4.776	ug/L	98
38) Bromodichloromethane	6.56	83	49509	4.771	ug/L	95
39) cis-1,3-Dichloropropene	7.07	75	53004	4.464	ug/L	91
40) 4-Methyl-2-pentanone	7.28	43	244446	47.663	ug/L	95
42) Toluene	7.43	91	192632	4.848	ug/L	100
44) trans-1,3-Dichloropropene	7.69	75	43717	4.605	ug/L	96
45) 1,1,2-Trichloroethane	7.88	97	28822	4.824	ug/L	93
47) Tetrachloroethene	8.02	164	35284	4.600	ug/L	91
48) 2-Hexanone	8.19	43	172104	47.698	ug/L	98
49) Dibromochloromethane	8.29	129	31257	4.526	ug/L	98
50) 1,2-Dibromoethane	8.40	107	26043	4.668	ug/L #	93
51) Chlorobenzene	8.93	112	120472	4.736	ug/L	97
52) Ethylbenzene	9.05	91	209654	4.790	ug/L	94
53) m,p-xylene	9.18	106	82041	4.932	ug/L	95
54) o-xylene	9.59	106	78871	4.854	ug/L	88
55) Styrene	9.60	104	131479	4.976	ug/L	97
56) Isopropylbenzene	9.97	105	208547	4.861	ug/L	98
58) 1,1,1,2,2-Tetrachloroethane	10.29	83	35213	4.757	ug/L	97
59) 1,2,3-Trichloropropane	10.32	75	23485	4.606	ug/L	100
61) Bromoform	9.78	173	15350	4.724	ug/L	99
62) 1,3-Dichlorobenzene	11.23	146	90703	4.639	ug/L	97
63) 1,4-Dichlorobenzene	11.32	146	96334	4.870	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	87770	4.770	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.48	75	4351	4.422	ug/L	90
67) 1,3,5-Trichlorobenzene	12.69	180	71592	4.836	ug/L	98
68) 1,2,4-trichlorobenzene	13.31	180	56671	5.107	ug/L	98
69) Naphthalene	13.55	128	81046	4.652	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	50133	4.868	ug/L	97

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



#2

Dichlorodifluoromethane

Concen: 4.708 ug/L

RT: 1.14 min Scan# 16

Delta R.T. 0.00 min

Lab File: VV009845.D

Acq: 23 Mar 2019 11:16

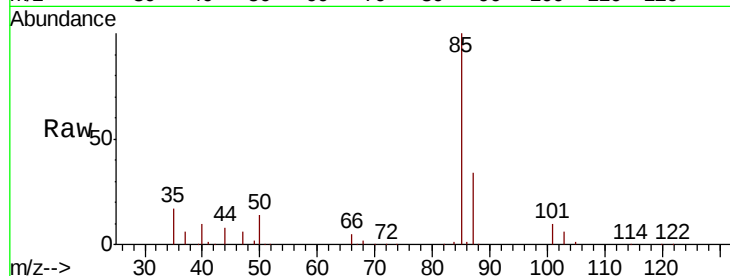
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 85 Resp: 52224

Ion Ratio Lower Upper

85 100

87 33.6 24.4 36.6

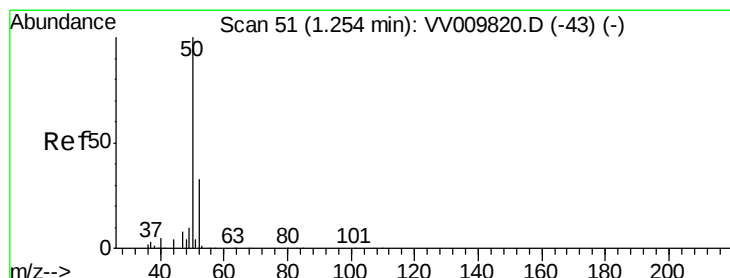
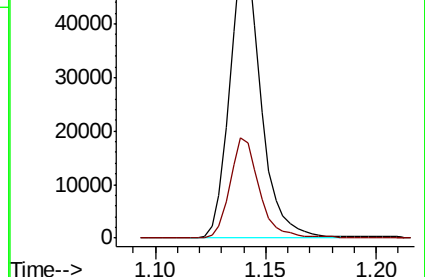
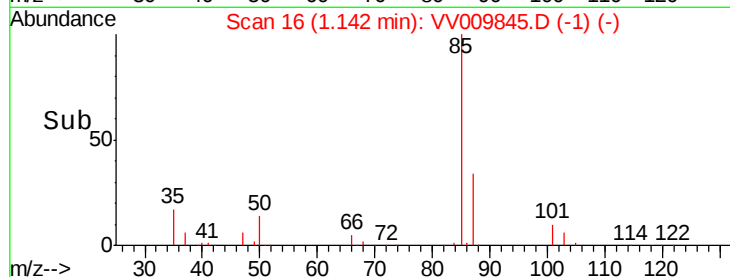


Abundance Ion 85.00 (84.70 to 85.70): VV009820.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VV009820.D (-8) (-)

1.14

Time-->



#3

Chloromethane

Concen: 5.060 ug/L

RT: 1.25 min Scan# 50

Delta R.T. -0.00 min

Lab File: VV009845.D

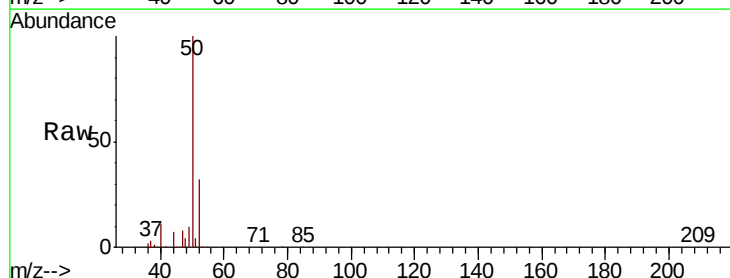
Acq: 23 Mar 2019 11:16

Tgt Ion: 50 Resp: 82024

Ion Ratio Lower Upper

50 100

52 31.6 22.9 42.5

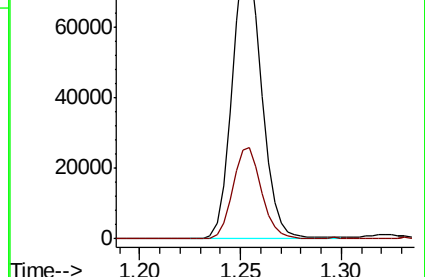
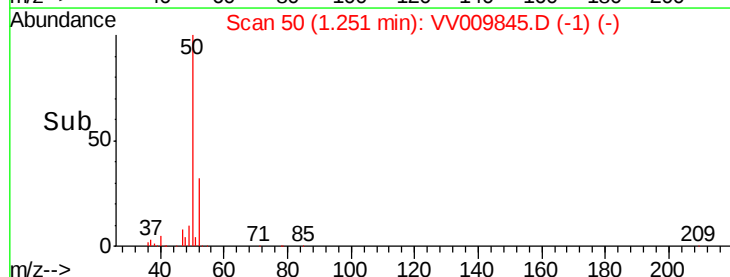


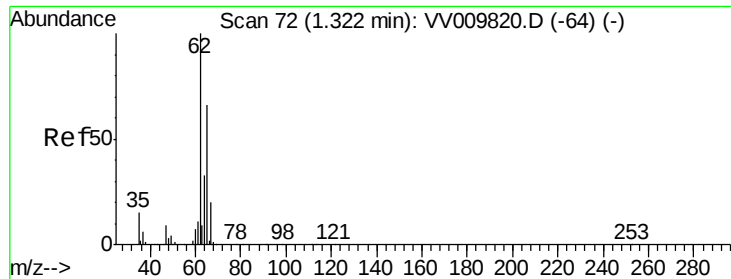
Abundance Ion 50.05 (49.75 to 50.75): VV009820.D (-43) (-)

Ion 52.05 (51.75 to 52.75): VV009820.D (-43) (-)

1.25

Time-->





#5

Vinyl chloride

Concen: 4.982 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV009845.D

Acq: 23 Mar 2019 11:16

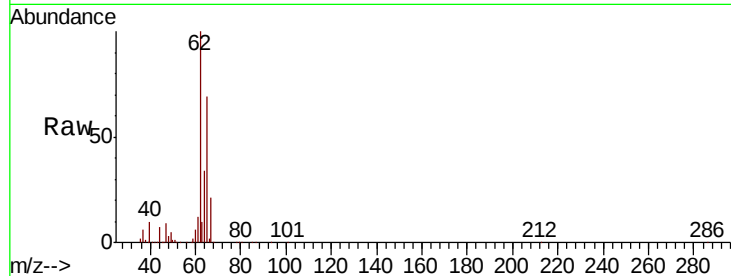
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 62 Resp: 88915

Ion Ratio Lower Upper

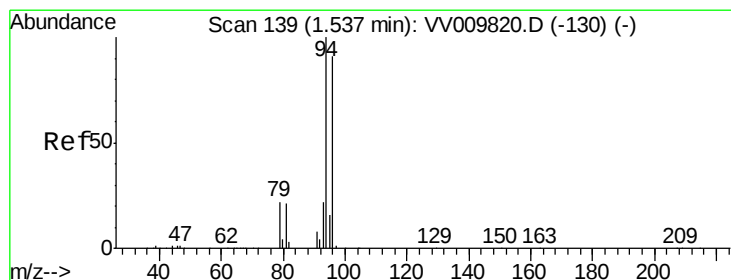
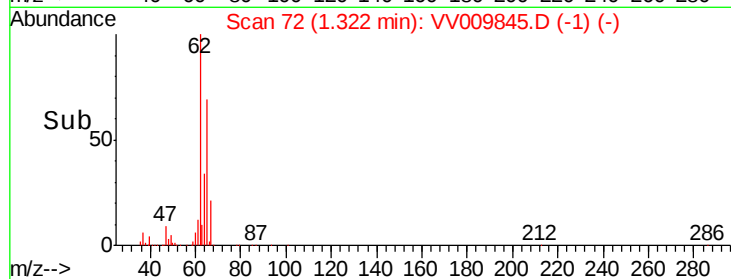
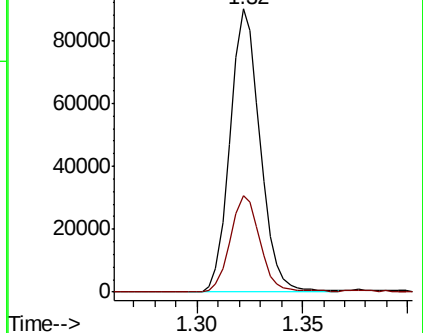
62 100

64 34.0 22.7 42.3



Abundance Ion 62.00 (61.70 to 62.70): VV009820.D (-64) (-)

Ion 64.10 (63.80 to 64.80): VV009820.D (-64) (-)



#6

Bromomethane

Concen: 5.599 ug/L

RT: 1.54 min Scan# 139

Delta R.T. 0.00 min

Lab File: VV009845.D

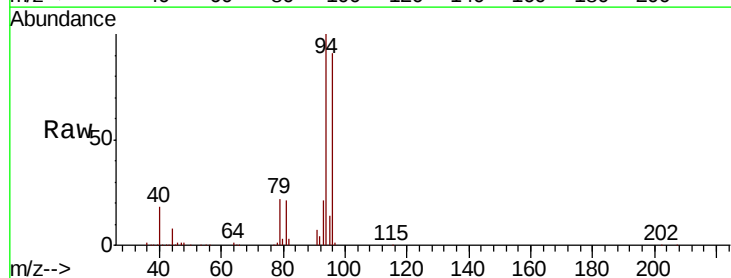
Acq: 23 Mar 2019 11:16

Tgt Ion: 94 Resp: 61074

Ion Ratio Lower Upper

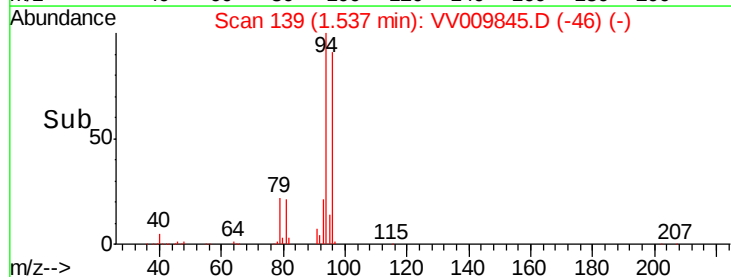
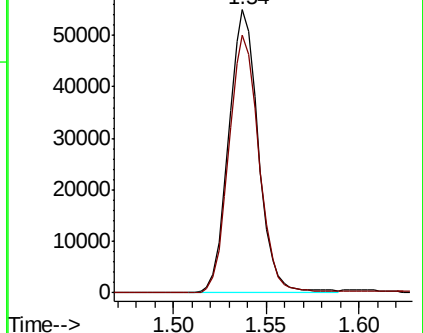
94 100

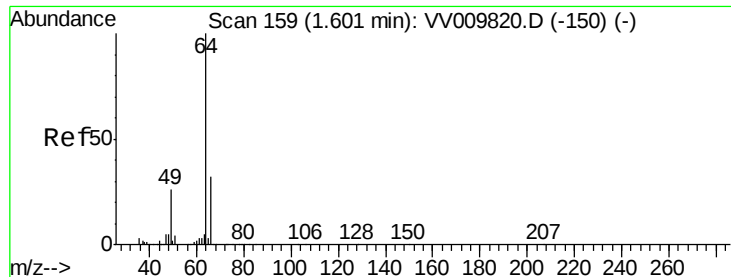
96 91.1 64.6 120.0



Abundance Ion 94.00 (93.70 to 94.70): VV009820.D (-130) (-)

Ion 96.00 (95.70 to 96.70): VV009820.D (-130) (-)





#8

Chloroethane

Concen: 4.870 ug/L

RT: 1.60 min Scan# 159

Delta R.T. 0.00 min

Lab File: VV009845.D

Acq: 23 Mar 2019 11:16

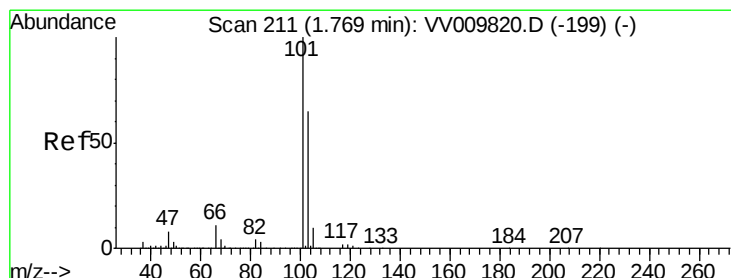
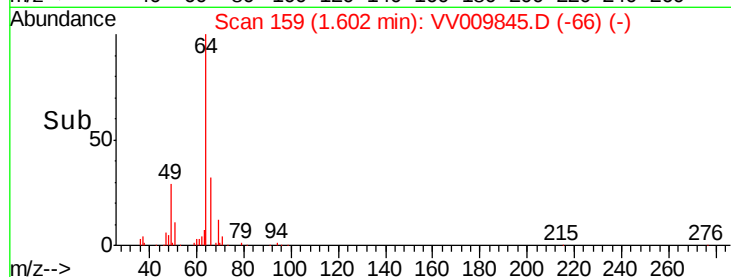
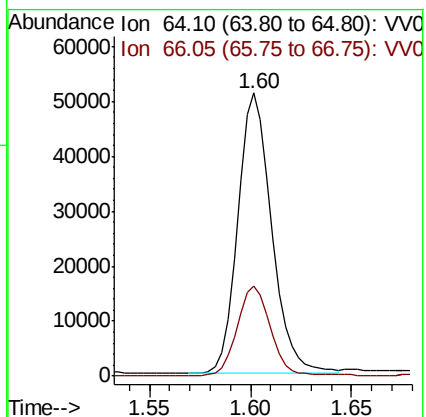
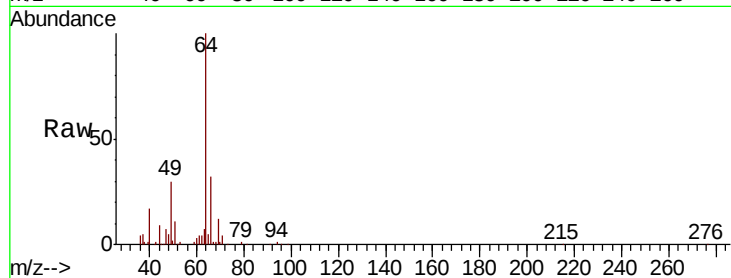
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 64 Resp: 60313

Ion Ratio Lower Upper

64 100

66 32.0 22.4 41.6



#9

Trichlorofluoromethane

Concen: 5.358 ug/L

RT: 1.77 min Scan# 212

Delta R.T. 0.00 min

Lab File: VV009845.D

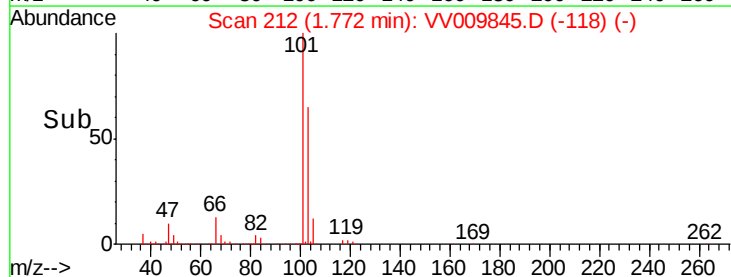
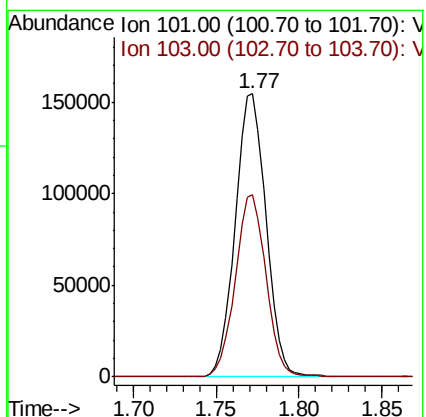
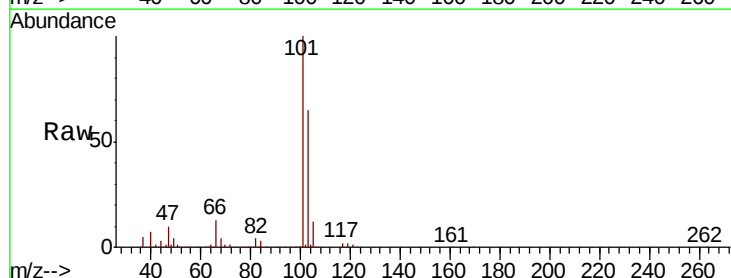
Acq: 23 Mar 2019 11:16

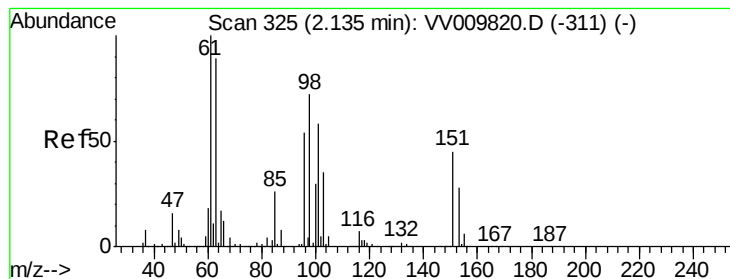
Tgt Ion: 101 Resp: 199935

Ion Ratio Lower Upper

101 100

103 64.1 52.3 78.5





#10

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

Concen: 5.241 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.01 min

Lab File: VV009845.D

Acq: 23 Mar 2019 11:16

Instrument :

MSVOA_V

ClientSampleId :

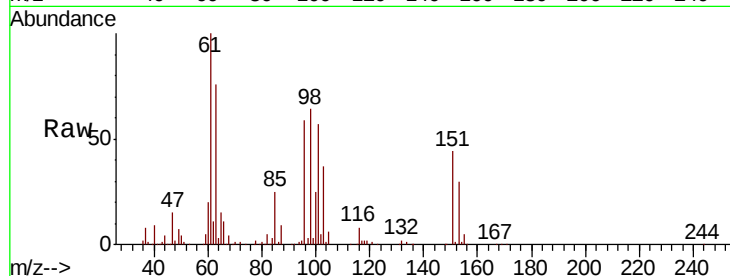
Tot Ion:101 Resp: 96772

Ion Ratio Lower Upper

101 100

85 46.1 39.2 58.8

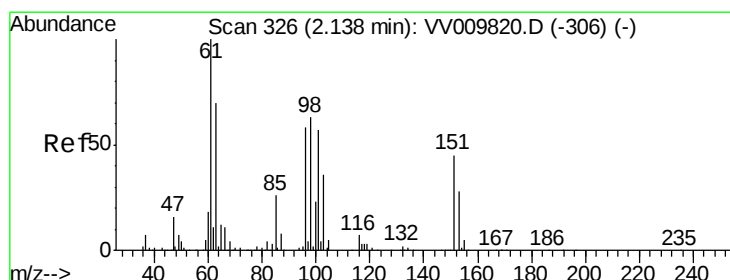
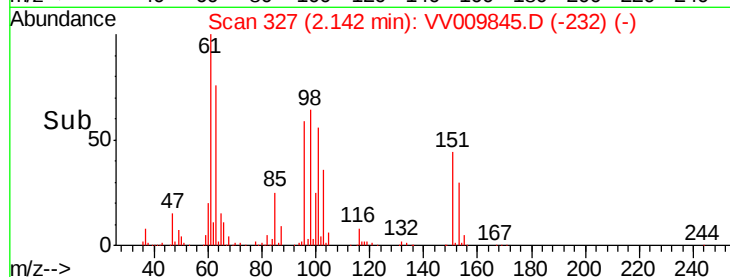
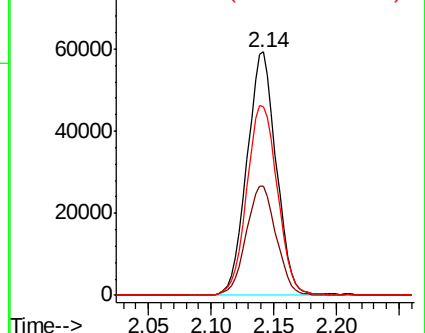
151 81.5 61.1 91.7



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: 5.391 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

Lab File: VV009845.D

Acq: 23 Mar 2019 11:16

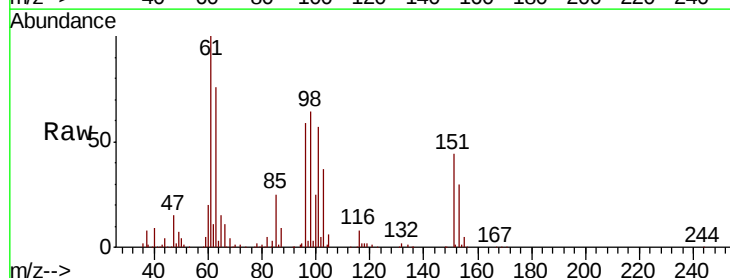
Tgt Ion: 96 Resp: 88403

Ion Ratio Lower Upper

96 100

61 168.5 127.1 236.0

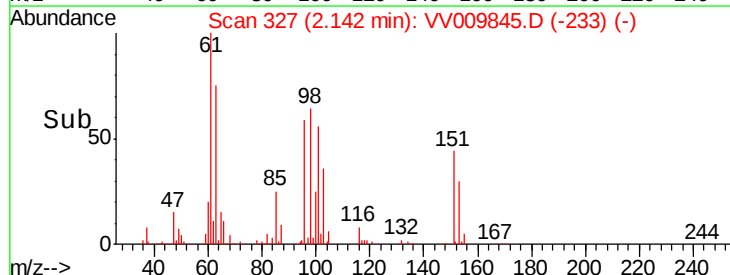
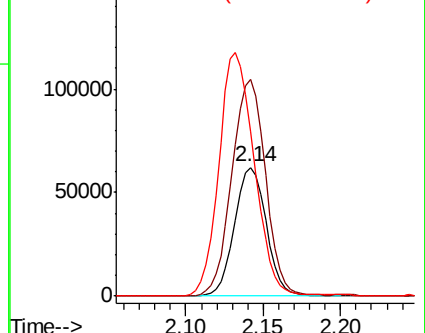
63 127.2 88.8 164.8

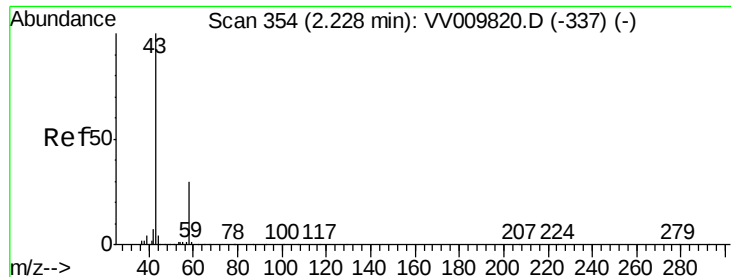


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 54.530 ug/L

RT: 2.23 min Scan# 353

Delta R.T. -0.00 min

Lab File: VV009845.D

Acq: 23 Mar 2019 11:16

Instrument :

MSVOA_V

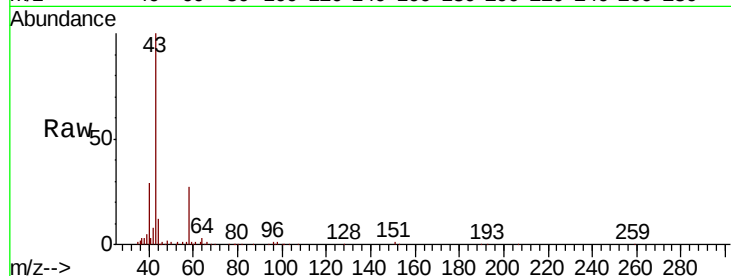
ClientSampleId :

Tot Ion: 43 Resp: 121489

Ion Ratio Lower Upper

43 100

58 27.8 0.0 23.0#



Abundance Ion 43.05 (42.75 to 43.75): VV009820.D (-337) (-)

Ion 58.05 (57.75 to 58.75): VV009845.D (-261) (-)

2.23

40000

30000

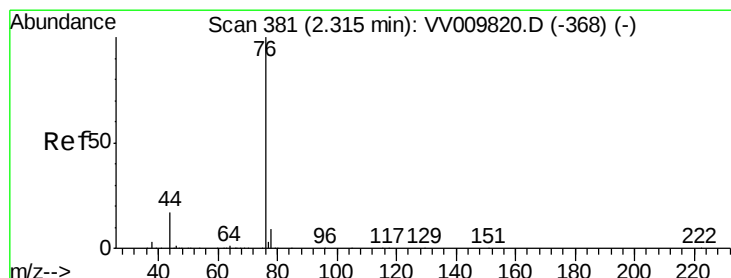
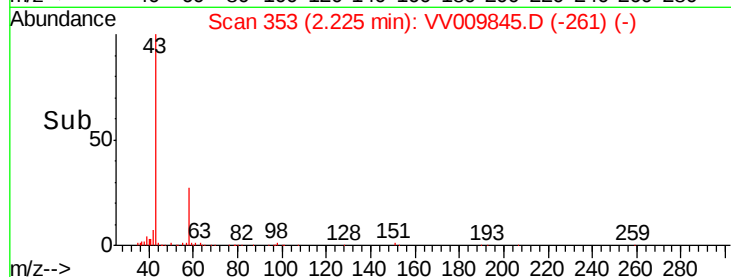
20000

10000

0

Time-->

2.10 2.20 2.30 2.40



#14

Carbon disulfide

Concen: 5.167 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VV009845.D

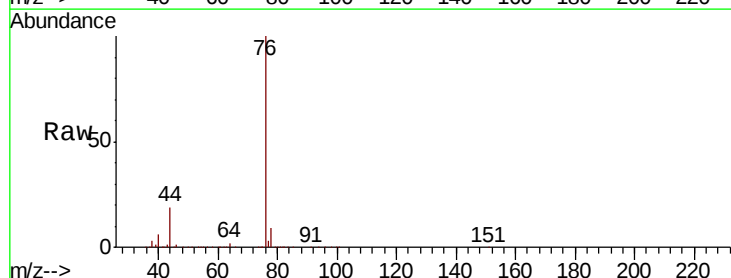
Acq: 23 Mar 2019 11:16

Tgt Ion: 76 Resp: 234319

Ion Ratio Lower Upper

76 100

78 9.4 7.7 11.5



Abundance Ion 76.05 (75.75 to 76.75): VV009820.D (-368) (-)

Ion 78.00 (77.70 to 78.70): VV009845.D (-288) (-)

2.32

150000

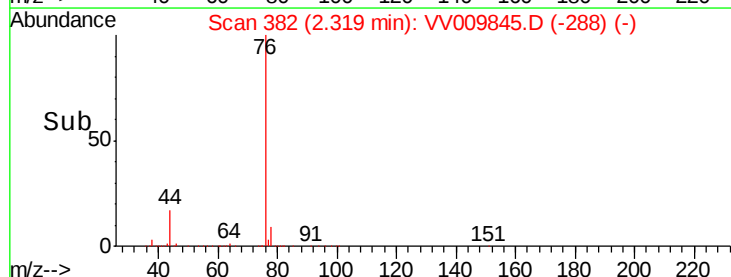
100000

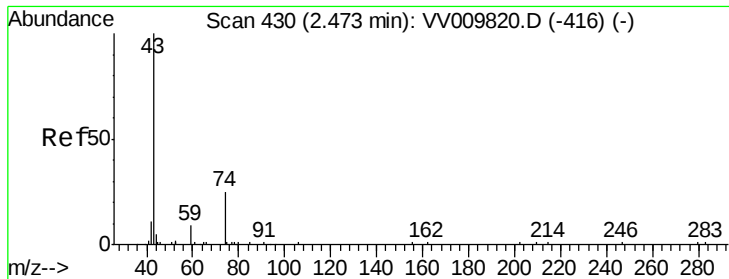
50000

0

Time-->

2.25 2.30 2.35 2.40





#15

Methyl Acetate

Concen: 6.041 ug/L

RT: 2.48 min Scan# 431

Delta R.T. 0.00 min

Lab File: VV009845.D

Acq: 23 Mar 2019 11:16

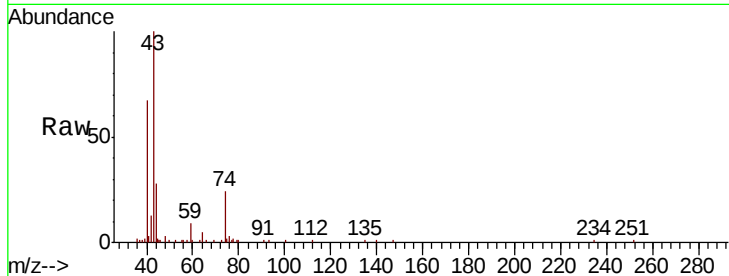
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 31974

Ion Ratio Lower Upper

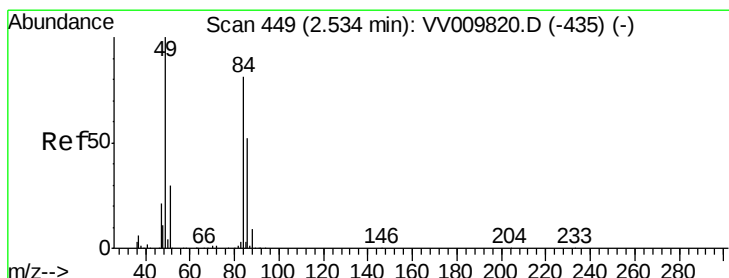
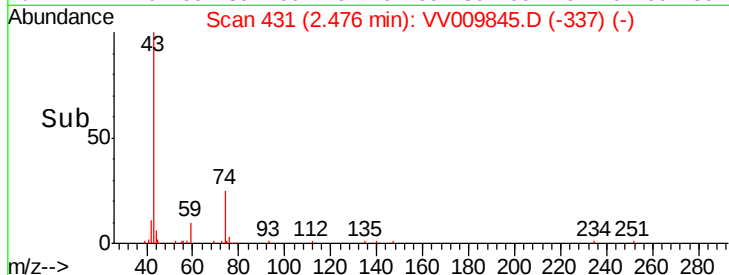
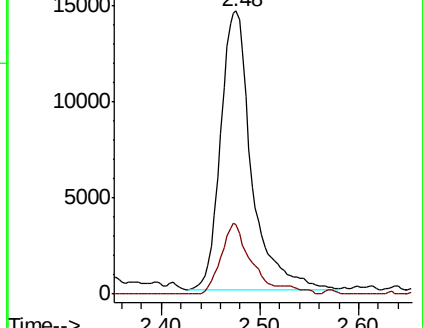
43 100

74 24.3 21.8 32.6



Abundance Ion 43.05 (42.75 to 43.75): VV009820.D (-416) (-)

Ion 74.05 (73.75 to 74.75): VV009820.D (-416) (-)



#16

Methylene chloride

Concen: 4.646 ug/L

RT: 2.54 min Scan# 450

Delta R.T. 0.00 min

Lab File: VV009845.D

Acq: 23 Mar 2019 11:16

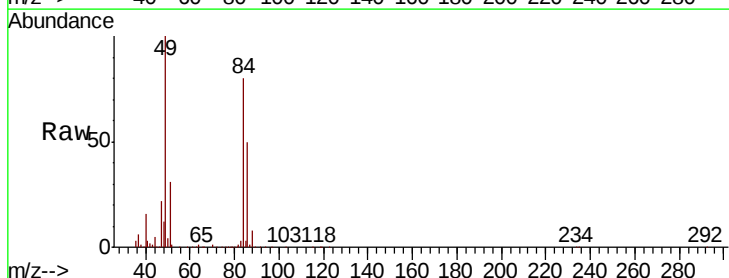
Tgt Ion: 84 Resp: 86154

Ion Ratio Lower Upper

84 100

86 62.5 46.1 85.5

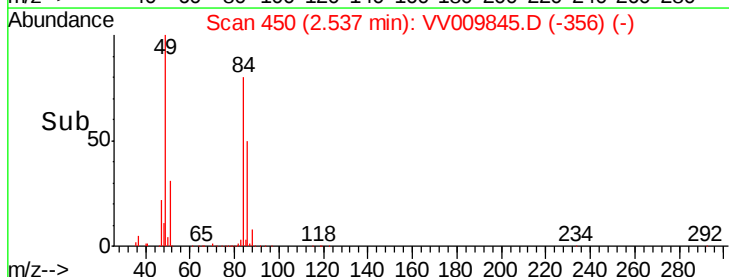
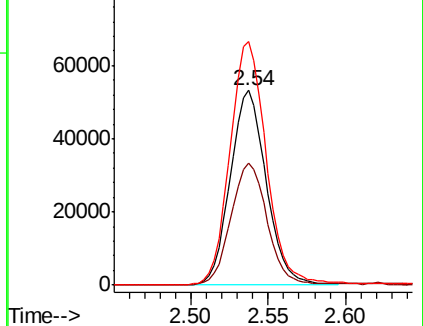
49 125.1 89.7 166.5

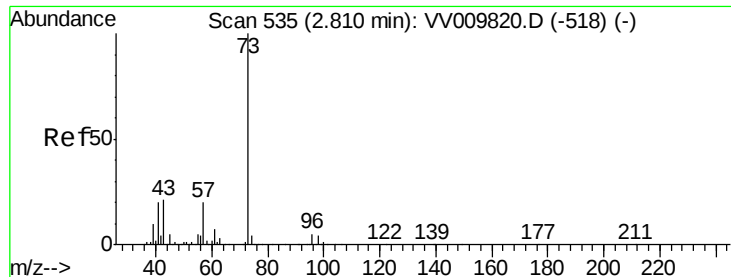


Abundance Ion 84.05 (83.75 to 84.75): VV009820.D (-435) (-)

Ion 86.00 (85.70 to 86.70): VV009820.D (-435) (-)

Ion 49.10 (48.80 to 49.80): VV009820.D (-435) (-)

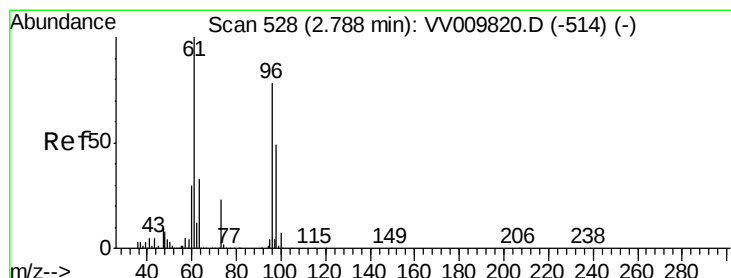
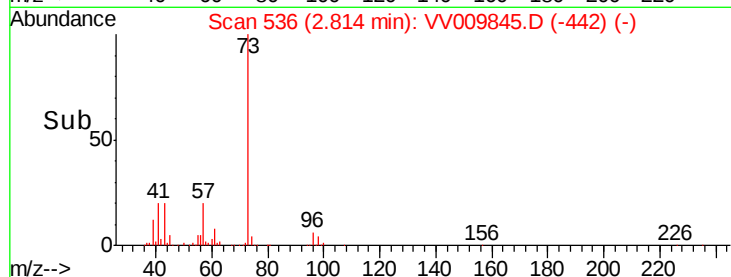
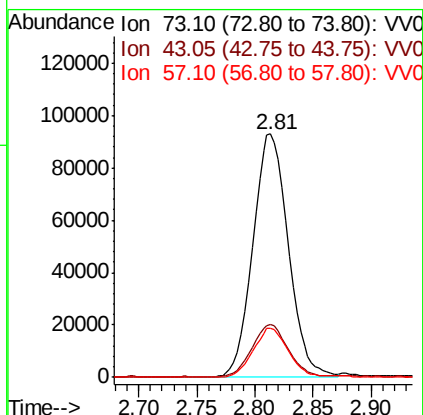
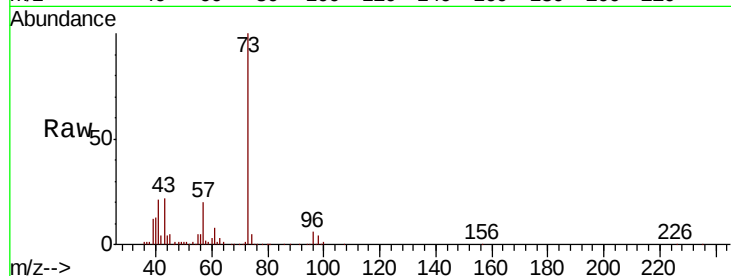




#17
Methvl tert-butvl Ether
Concen: 5.246 ug/L
RT: 2.81 min Scan# 536
Delta R.T. 0.00 min
Lab File: VV009845.D
Acq: 23 Mar 2019 11:16

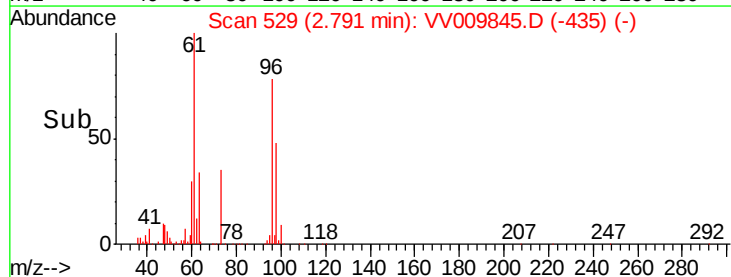
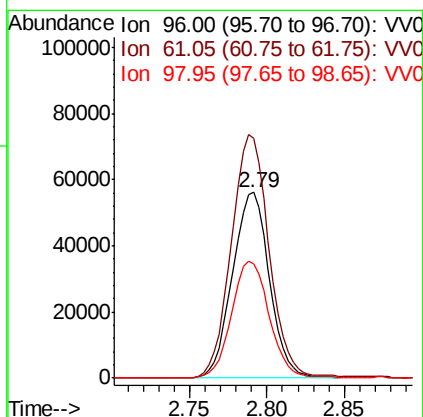
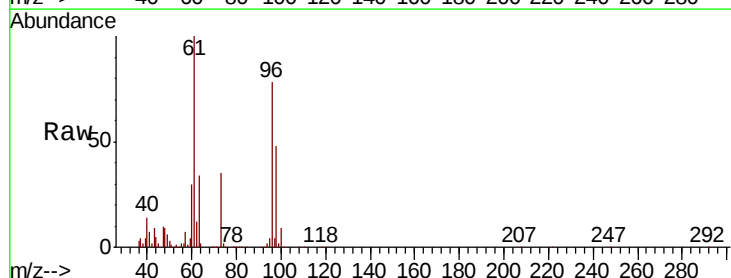
Instrument :
MSVOA_V
ClientSampleId :

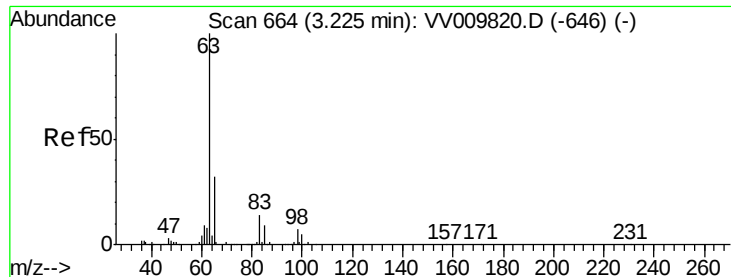
Tot Ion: 73 Resp: 198734
Ion Ratio Lower Upper
73 100
43 21.9 17.2 25.8
57 20.3 17.3 25.9



#18
trans-1,2-Dichloroethene
Concen: 5.294 ug/L
RT: 2.79 min Scan# 529
Delta R.T. 0.00 min
Lab File: VV009845.D
Acq: 23 Mar 2019 11:16

Tgt Ion: 96 Resp: 93289
Ion Ratio Lower Upper
96 100
61 129.0 103.9 192.9
98 61.4 46.0 85.4

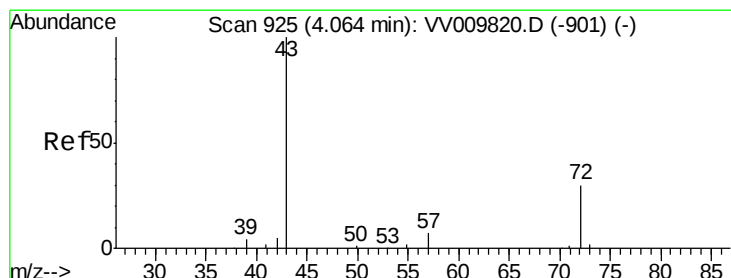
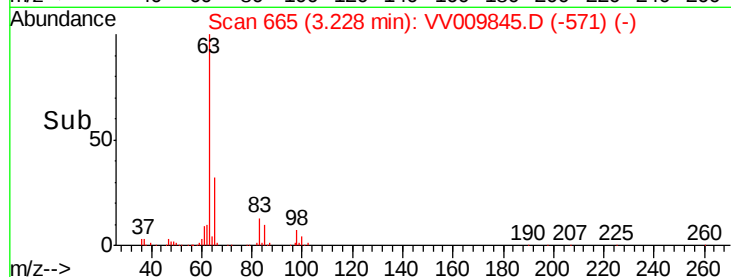
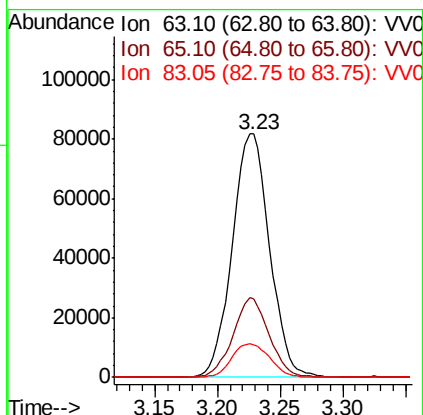
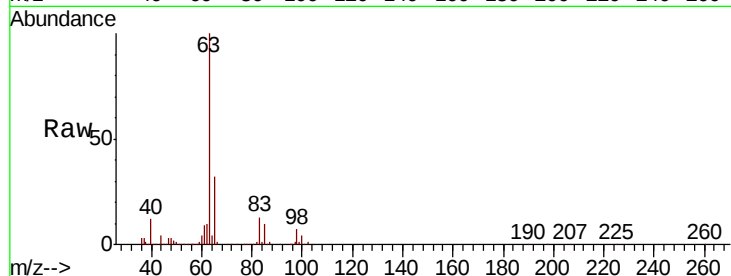




#19
 1,1-Dichloroethane
 Concen: 5.511 ug/L
 RT: 3.23 min Scan# 665
 Delta R.T. 0.00 min
 Lab File: VV009845.D
 Acq: 23 Mar 2019 11:16

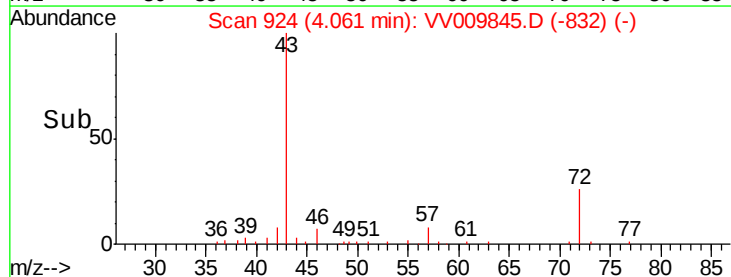
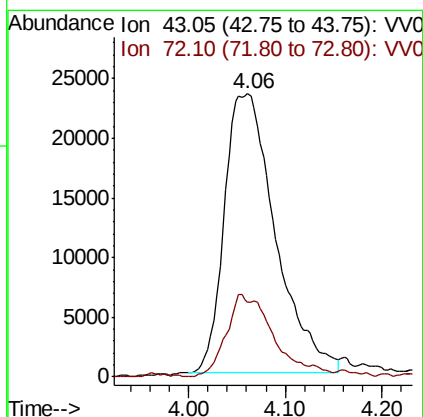
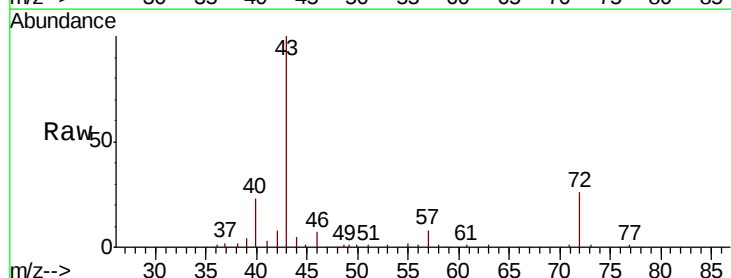
Instrument :
 MSVOA_V
 ClientSampled :

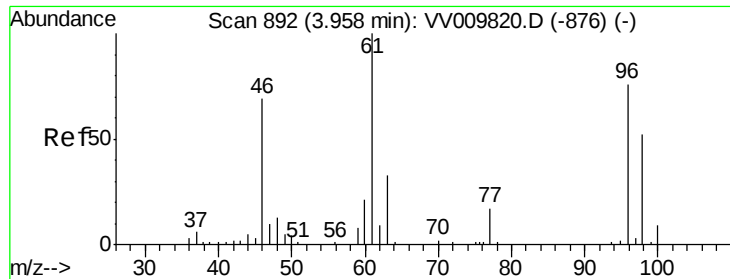
Tot Ion	Ratio	Lower	Upper
63	100		
65	32.1	21.3	39.5
83	13.4	9.9	18.5



#21
 2-Butanone
 Concen: 49.102 ug/L
 RT: 4.06 min Scan# 924
 Delta R.T. -0.00 min
 Lab File: VV009845.D
 Acq: 23 Mar 2019 11:16

Tgt Ion	Ratio	Lower	Upper
43	100		
72	26.2	14.8	44.4



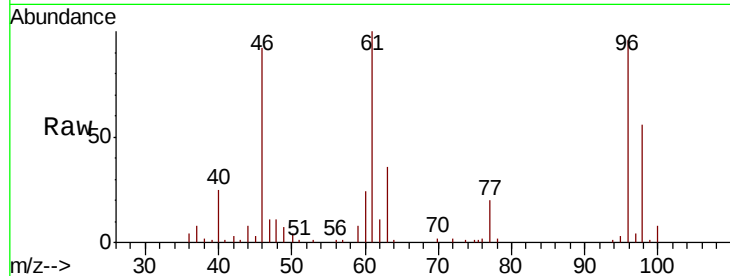


#22

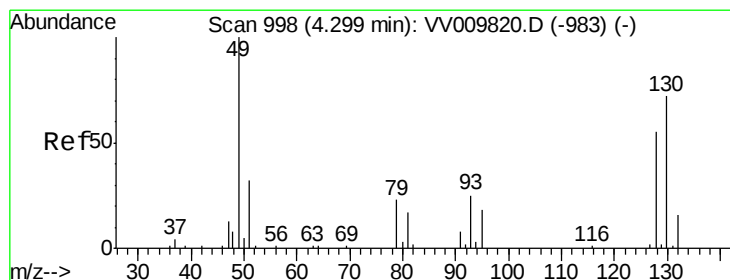
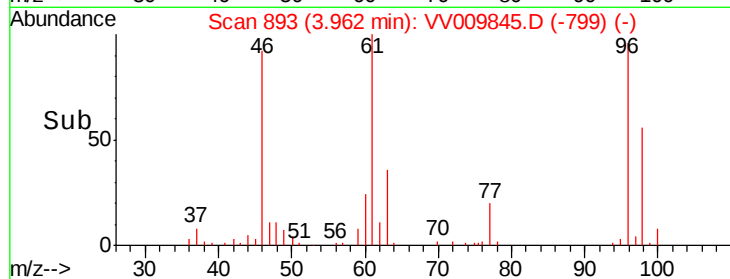
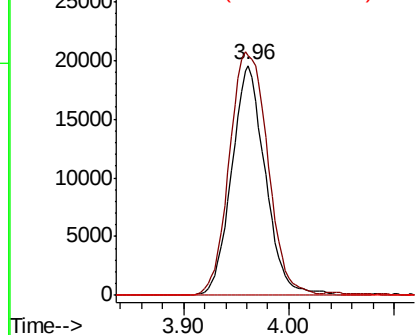
cis-1,2-Dichloroethene
Concen: 5.067 ug/L
RT: 3.96 min Scan# 893
Delta R.T. 0.00 min
Lab File: VV009845.D
Acq: 23 Mar 2019 11:16

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 96 Resp: 43195
Ion Ratio Lower Upper
96 100
61 104.5 84.8 157.4
68 0.0 0.0 0.0



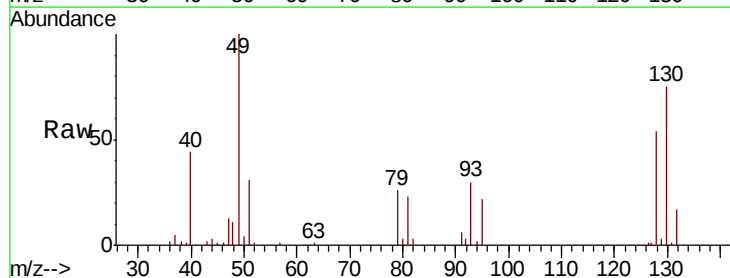
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 68.15 (67.85 to 68.85): VV0



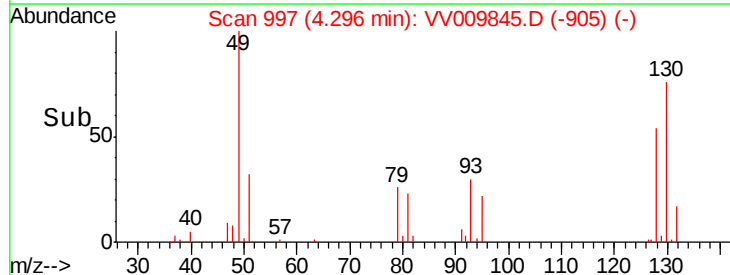
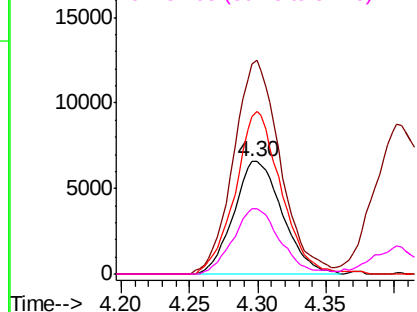
#23

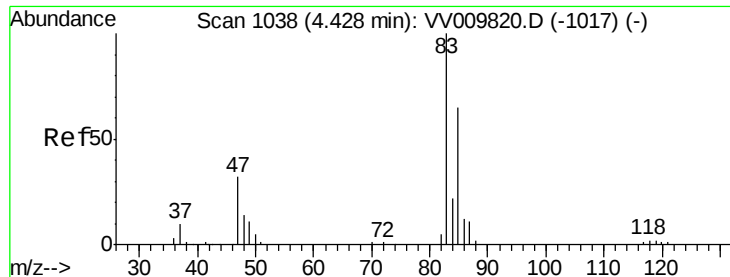
Bromochloromethane
Concen: 4.719 ug/L
RT: 4.30 min Scan# 997
Delta R.T. -0.00 min
Lab File: VV009845.D
Acq: 23 Mar 2019 11:16

Tgt Ion: 128 Resp: 16310
Ion Ratio Lower Upper
128 100
49 186.0 110.4 205.0
130 139.6 89.1 165.5
51 58.1 39.7 59.5



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

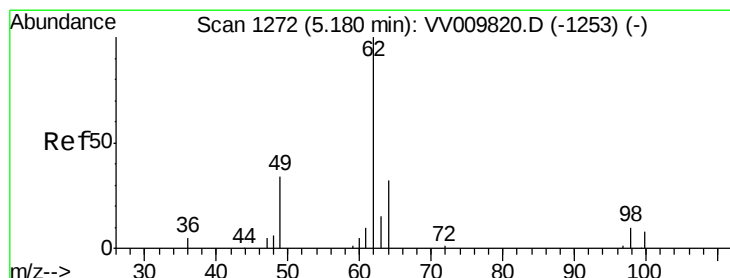
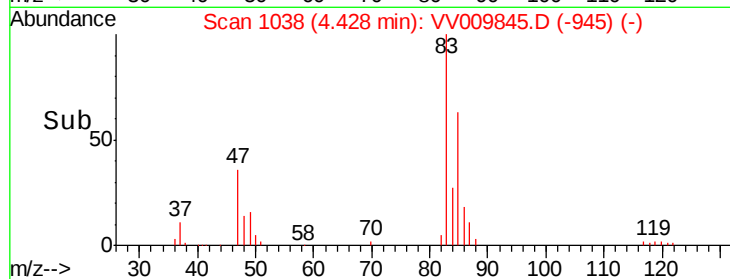
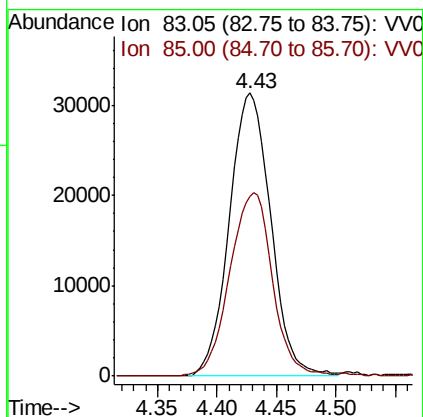
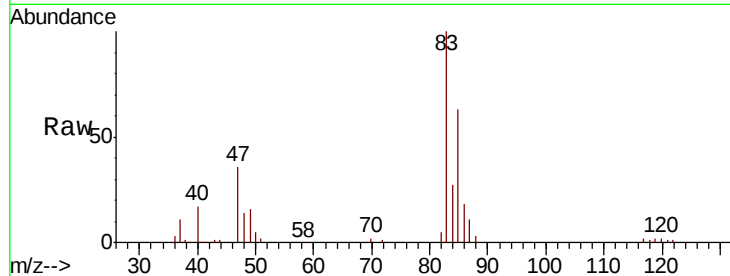




#25
Chloroform
Concen: 5.079 ug/L
RT: 4.43 min Scan# 1038
Delta R.T. 0.00 min
Lab File: VV009845.D
Acq: 23 Mar 2019 11:16

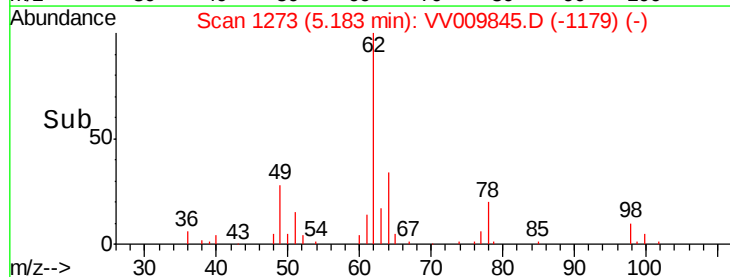
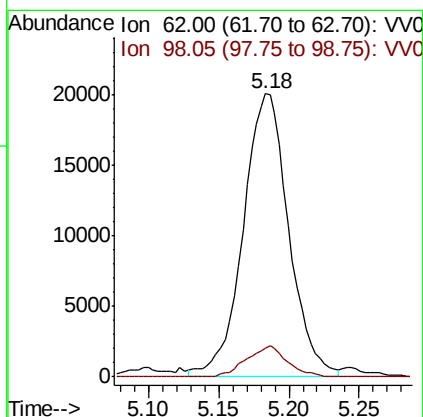
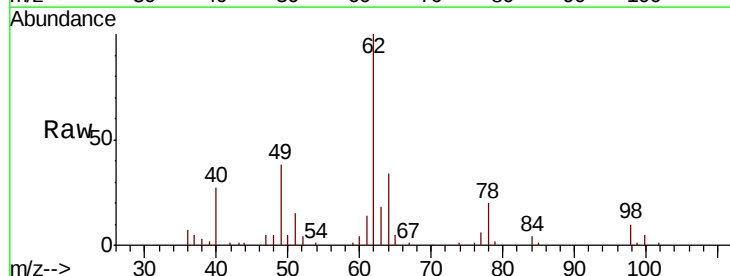
Instrument :
MSVOA_V
ClientSampleId :

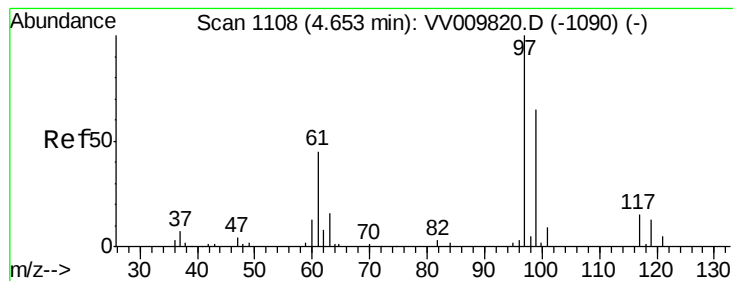
Tot Ion: 83 Resp: 75696
Ion Ratio Lower Upper
83 100
85 63.5 45.7 84.9



#27
1,2-Dichloroethane
Concen: 5.007 ug/L
RT: 5.18 min Scan# 1273
Delta R.T. 0.00 min
Lab File: VV009845.D
Acq: 23 Mar 2019 11:16

Tgt Ion: 62 Resp: 45418
Ion Ratio Lower Upper
62 100
98 10.0 7.4 11.0





#29

1,1,1-Trichloroethane

Concen: 4.574 ug/L

RT: 4.65 min Scan# 1108

Delta R.T. 0.00 min

Lab File: VV009845.D

Acq: 23 Mar 2019 11:16

Instrument :
MSVOA_V
ClientSampleId :

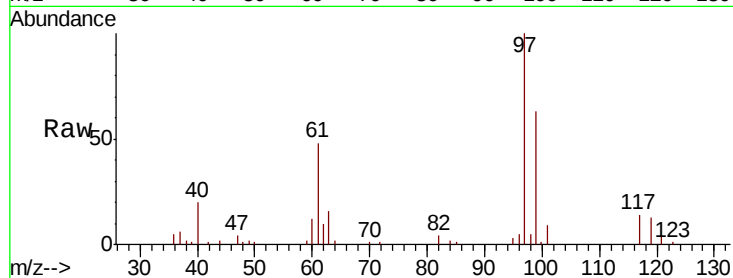
Tot Ion: 97 Resp: 61709

Ion Ratio Lower Upper

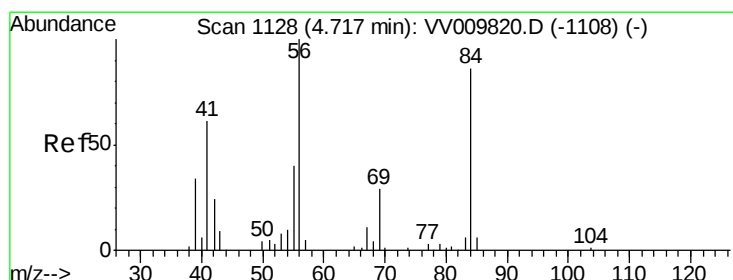
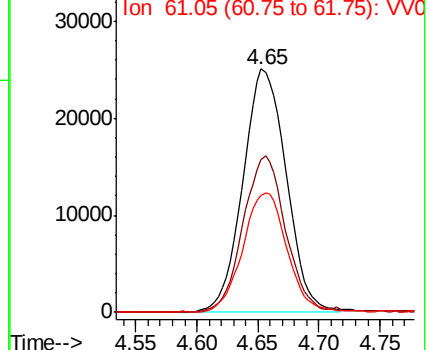
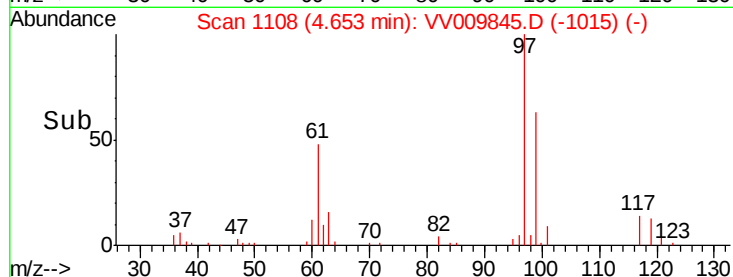
97 100

99 62.5 50.8 76.2

61 50.0 35.0 52.6



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: 4.562 ug/L

RT: 4.72 min Scan# 1128

Delta R.T. 0.00 min

Lab File: VV009845.D

Acq: 23 Mar 2019 11:16

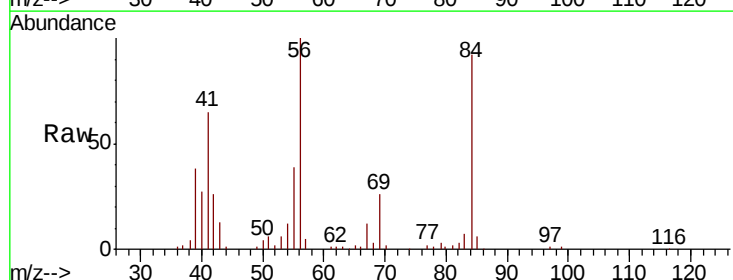
Tgt Ion: 56 Resp: 63802

Ion Ratio Lower Upper

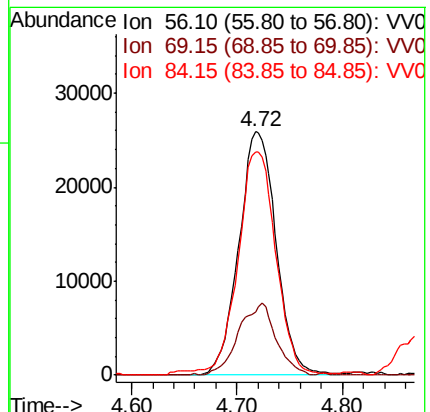
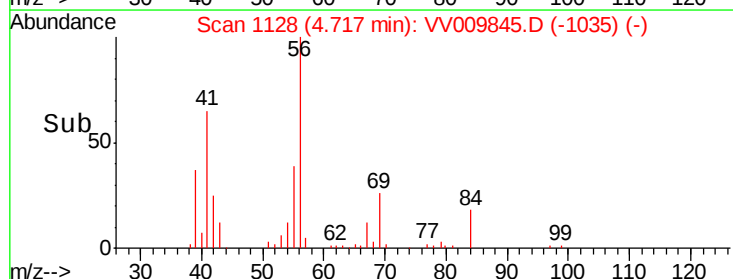
56 100

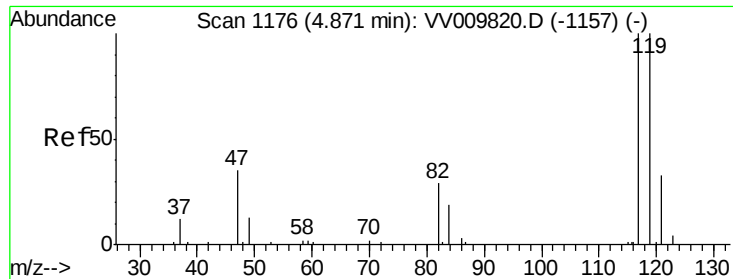
69 29.6 25.6 38.4

84 90.6 72.4 108.6



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: 4.785 ug/L

RT: 4.87 min Scan# 1176

Delta R.T. 0.00 min

Lab File: VV009845.D

Acq: 23 Mar 2019 11:16

Instrument :

MSVOA_V

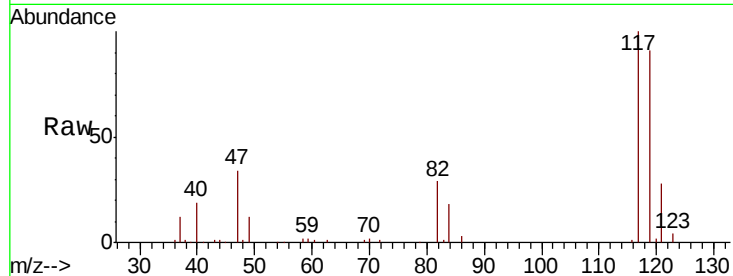
ClientSampled :

Tot Ion:117 Resp: 55593

Ion Ratio Lower Upper

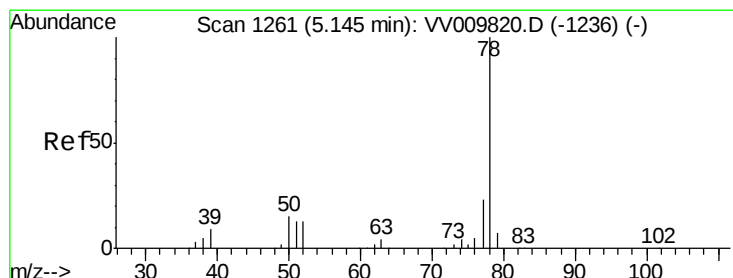
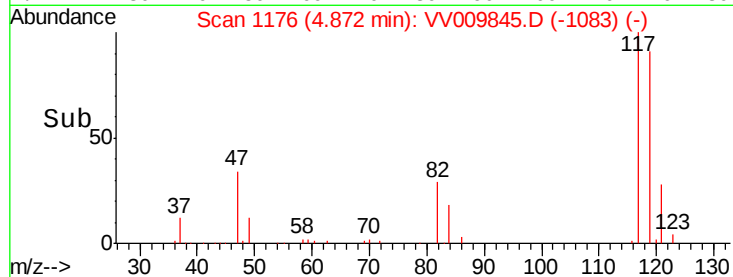
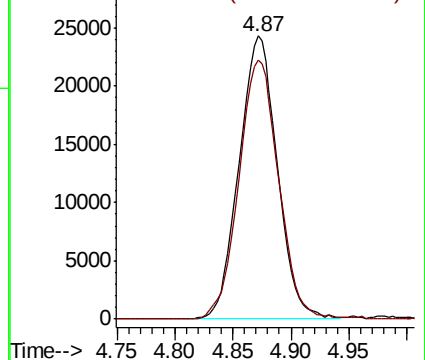
117 100

119 94.9 75.4 113.2



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 4.798 ug/L

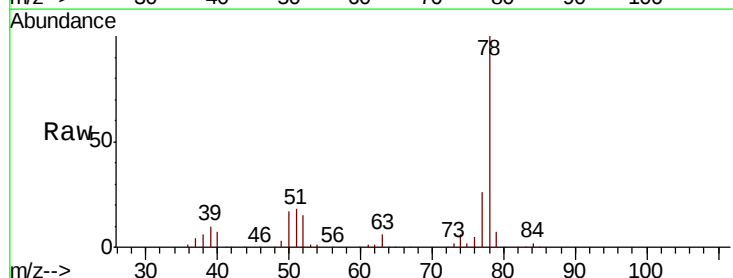
RT: 5.14 min Scan# 1261

Delta R.T. 0.00 min

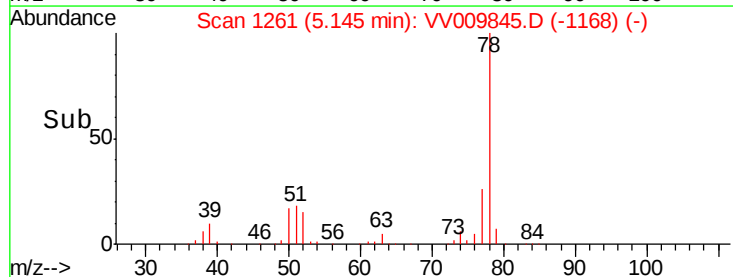
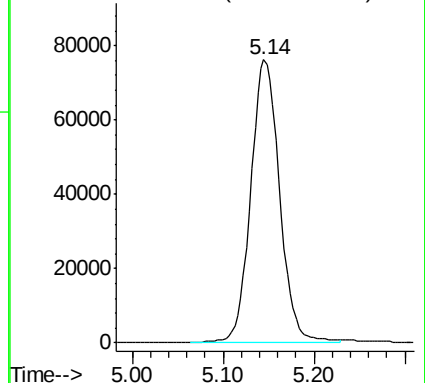
Lab File: VV009845.D

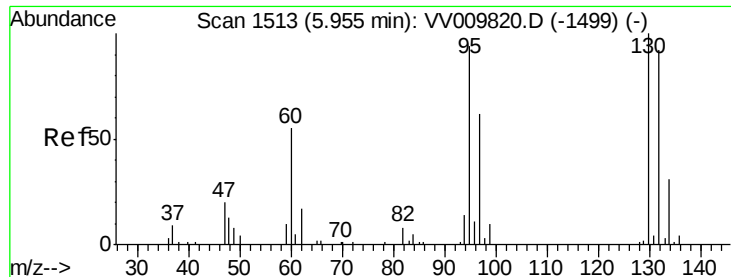
Acq: 23 Mar 2019 11:16

Tgt Ion: 78 Resp: 168460



Abundance Ion 78.10 (77.80 to 78.80): VV0

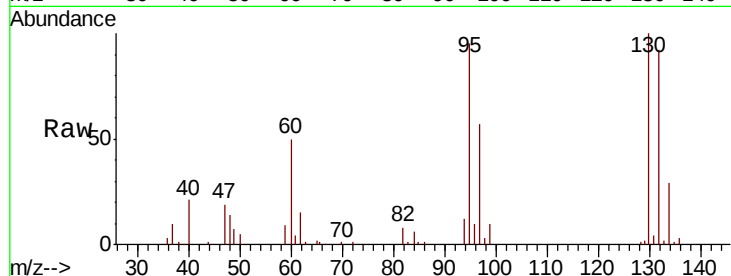




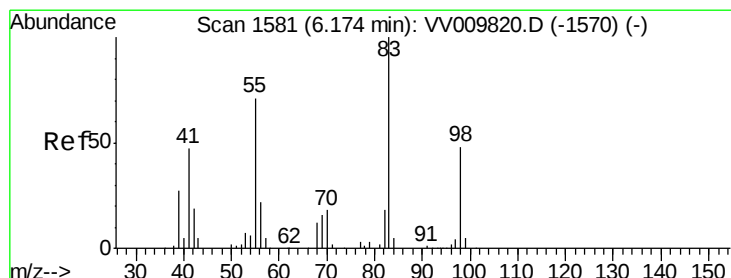
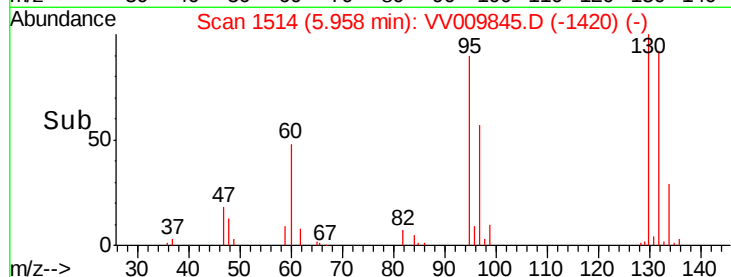
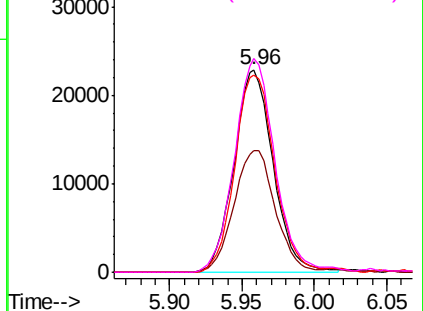
#34
 Trichloroethene
 Concen: 4.833 ug/L
 RT: 5.96 min Scan# 1514
 Delta R.T. 0.00 min
 Lab File: VV009845.D
 Acq: 23 Mar 2019 11:16

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 95 Resp: 42927
 Ion Ratio Lower Upper
 95 100
 97 60.1 44.4 82.5
 132 97.6 66.4 123.4
 130 105.6 68.1 126.5

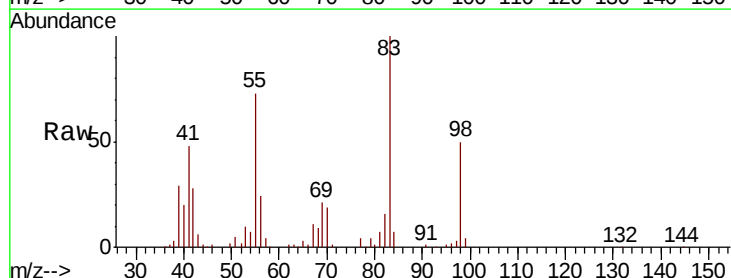


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 96.95 (96.65 to 97.65): VV0
 Ion 131.95 (131.65 to 132.65): VV0
 Ion 129.95 (129.65 to 130.65): VV0

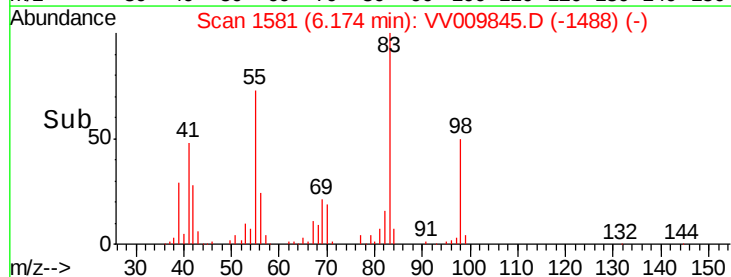
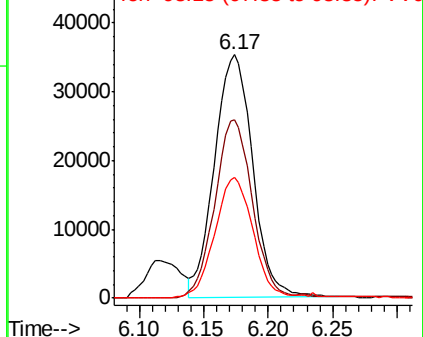


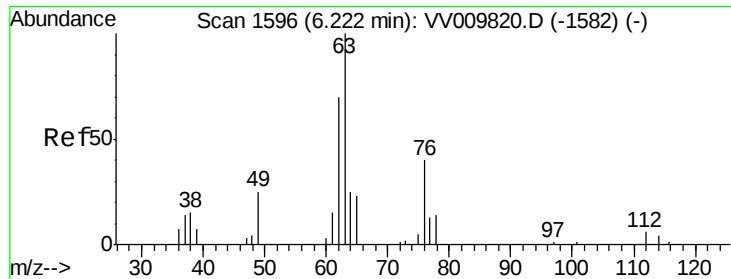
#35
 Methylcyclohexane
 Concen: 4.778 ug/L
 RT: 6.17 min Scan# 1581
 Delta R.T. 0.00 min
 Lab File: VV009845.D
 Acq: 23 Mar 2019 11:16

Tgt Ion: 83 Resp: 72636
 Ion Ratio Lower Upper
 83 100
 55 72.2 57.4 86.2
 98 49.6 38.9 58.3



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: 4.776 ug/L

RT: 6.22 min Scan# 1596

Delta R.T. 0.00 min

Lab File: VV009845.D

Acq: 23 Mar 2019 11:16

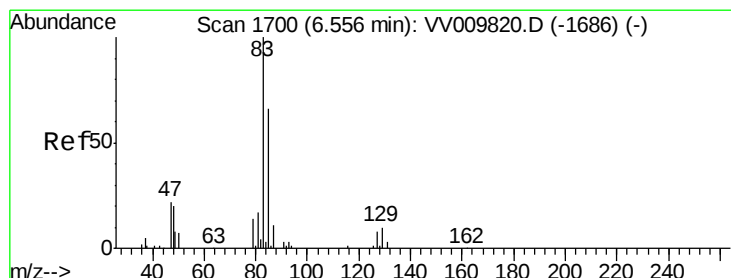
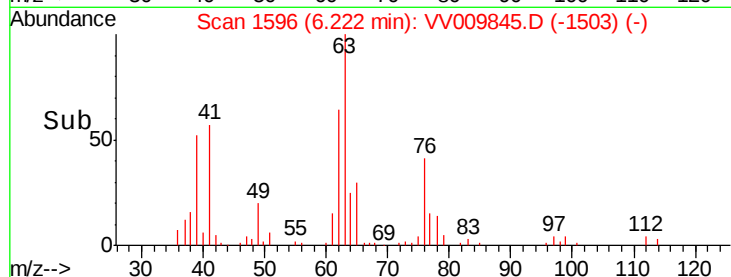
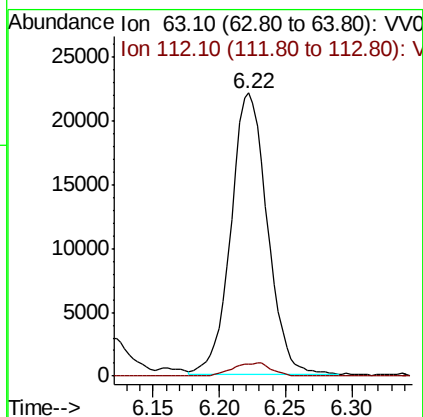
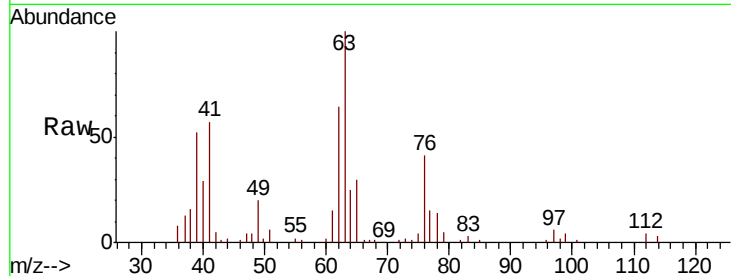
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 63 Resp: 41915

Ion Ratio Lower Upper

63 100

112 4.9 3.3 4.9



#38

Bromodichloromethane

Concen: 4.771 ug/L

RT: 6.56 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VV009845.D

Acq: 23 Mar 2019 11:16

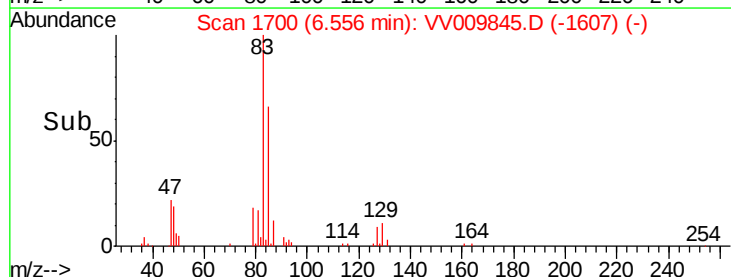
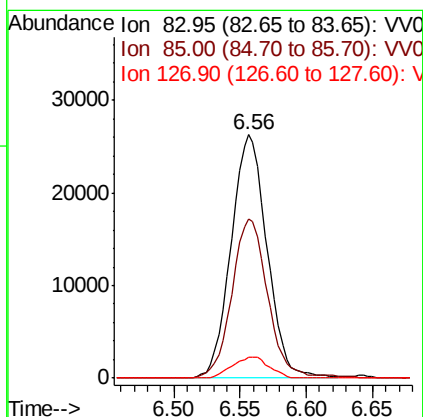
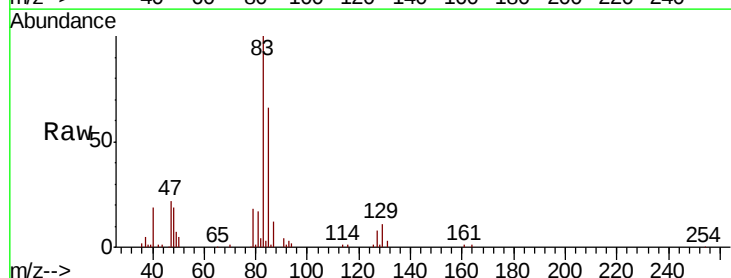
Tgt Ion: 83 Resp: 49509

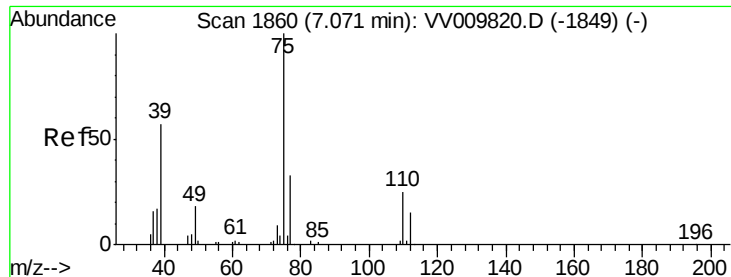
Ion Ratio Lower Upper

83 100

85 65.5 42.8 79.4

127 8.4 6.2 9.4

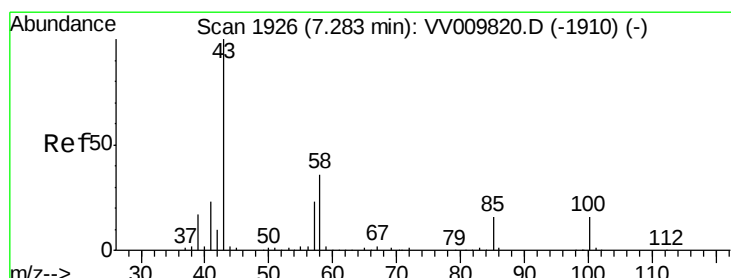
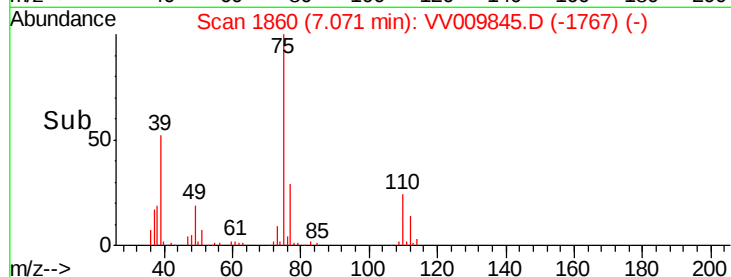
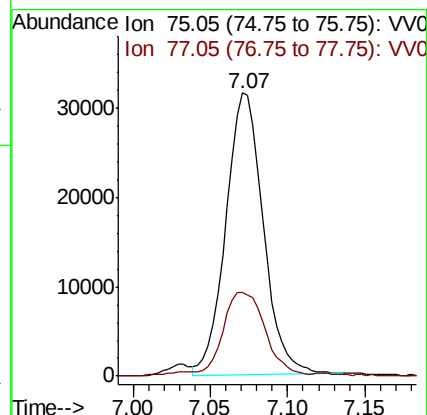
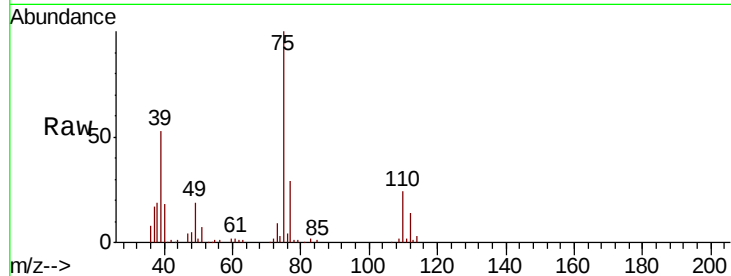




#39
 cis-1,3-Dichloropropene
 Concen: 4.464 ug/L
 RT: 7.07 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VV009845.D
 Acq: 23 Mar 2019 11:16

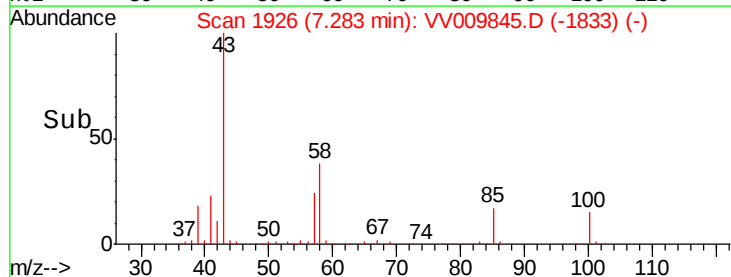
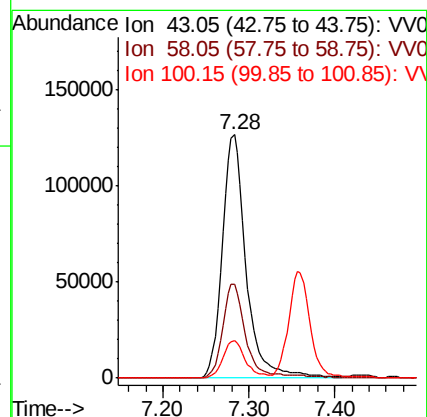
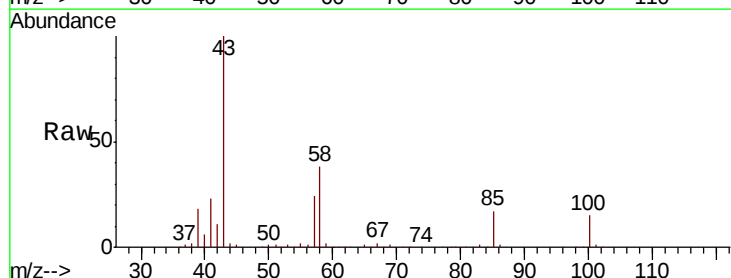
Instrument :
 MSVOA_V
 ClientSampleId :

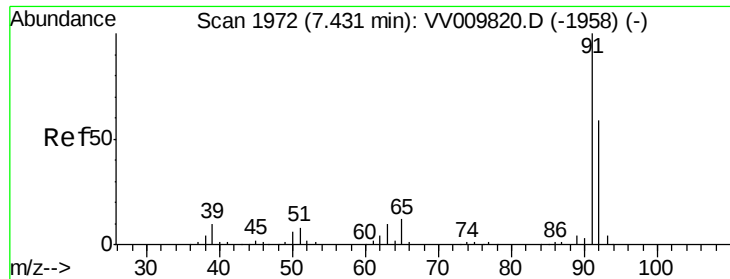
Tot Ion: 75 Resp: 53004
 Ion Ratio Lower Upper
 75 100
 77 29.4 24.1 44.8



#40
 4-Methyl-2-pentanone
 Concen: 47.663 ug/L
 RT: 7.28 min Scan# 1926
 Delta R.T. 0.00 min
 Lab File: VV009845.D
 Acq: 23 Mar 2019 11:16

Tgt Ion: 43 Resp: 244446
 Ion Ratio Lower Upper
 43 100
 58 36.6 32.3 48.5
 100 14.5 12.0 18.0





#42

Toluene

Concen: 4.848 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV009845.D

Acq: 23 Mar 2019 11:16

Instrument :

MSVOA_V

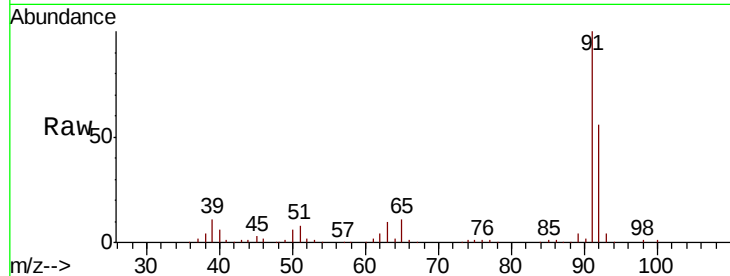
ClientSampleId :

Tot Ion: 91 Resp: 192632

Ion Ratio Lower Upper

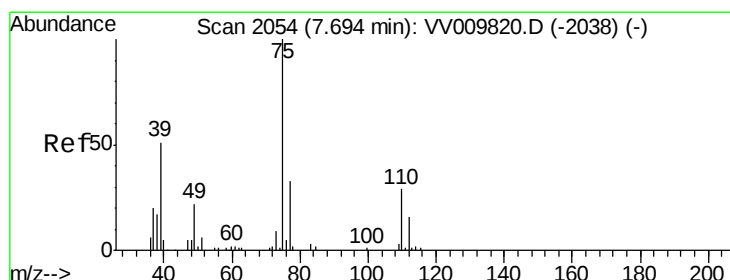
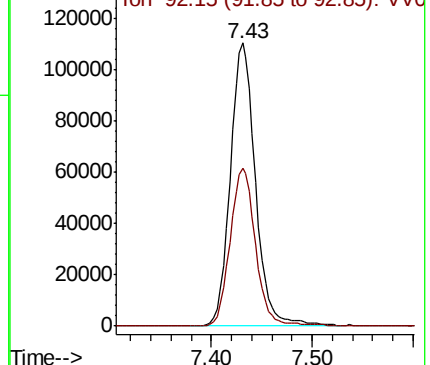
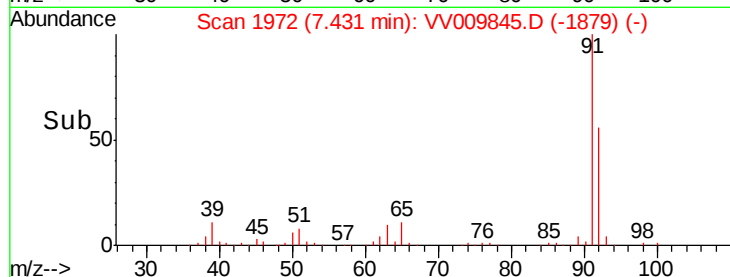
91 100

92 55.7 39.1 72.5



Abundance Ion 91.15 (90.85 to 91.85): VV009820.D (-1958) (-)

Ion 92.15 (91.85 to 92.85): VV009845.D (-1879) (-)



#44

trans-1,3-Dichloropropene

Concen: 4.605 ug/L

RT: 7.69 min Scan# 2054

Delta R.T. 0.00 min

Lab File: VV009845.D

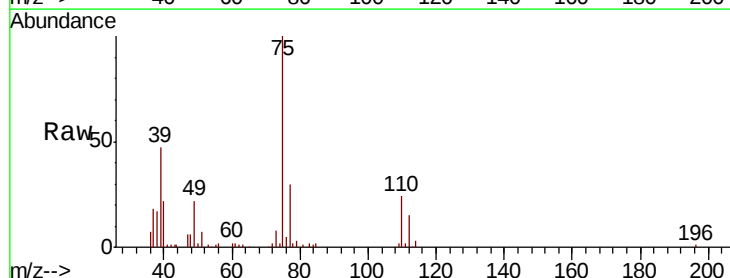
Acq: 23 Mar 2019 11:16

Tgt Ion: 75 Resp: 43717

Ion Ratio Lower Upper

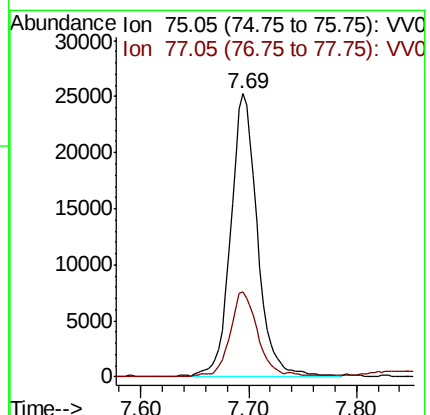
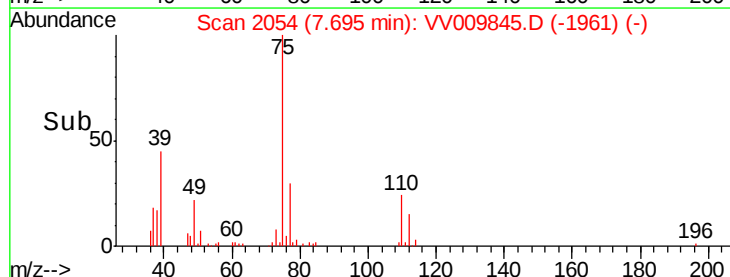
75 100

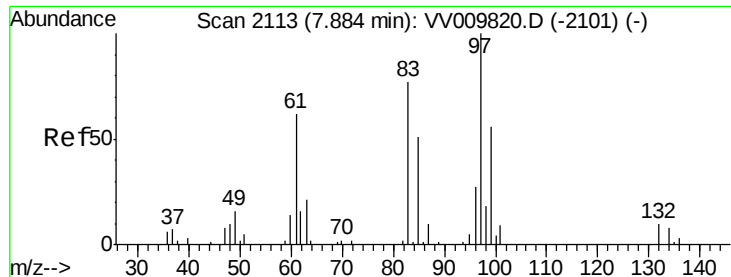
77 30.0 22.7 42.3



Abundance Ion 75.05 (74.75 to 75.75): VV009820.D (-2038) (-)

Ion 77.05 (76.75 to 77.75): VV009845.D (-1961) (-)

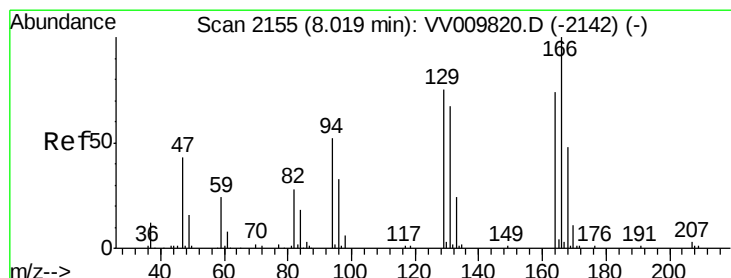
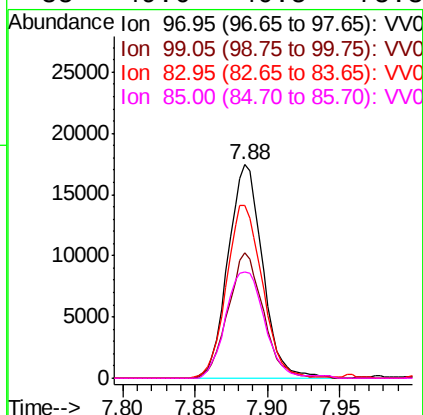
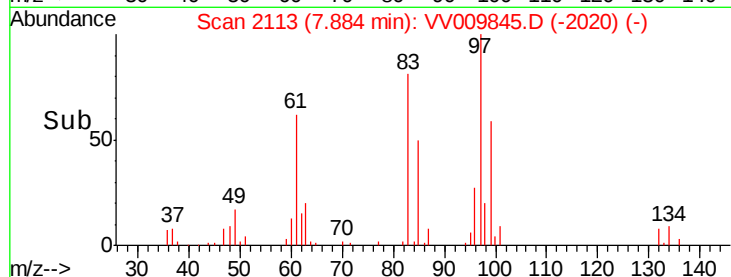
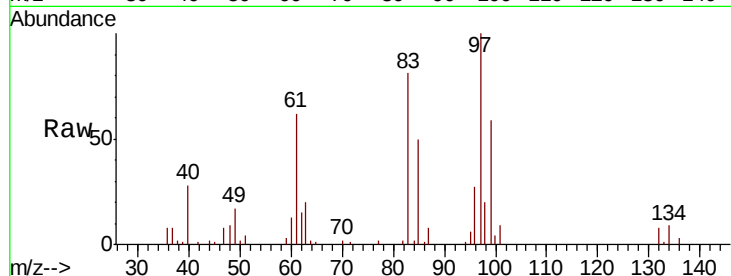




#45
 1,1,2-Trichloroethane
 Concen: 4.824 ug/L
 RT: 7.88 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VV009845.D
 Acq: 23 Mar 2019 11:16

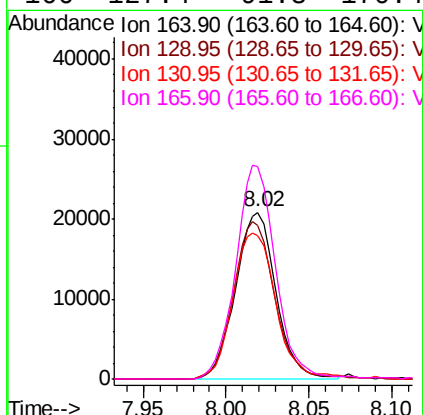
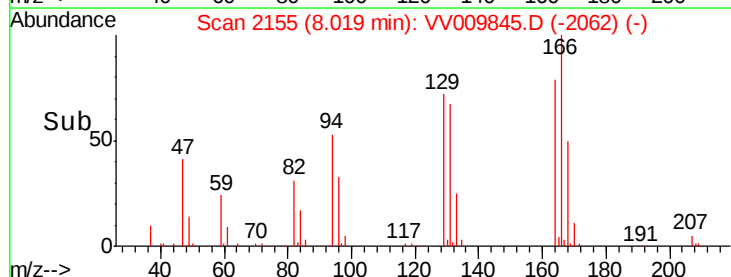
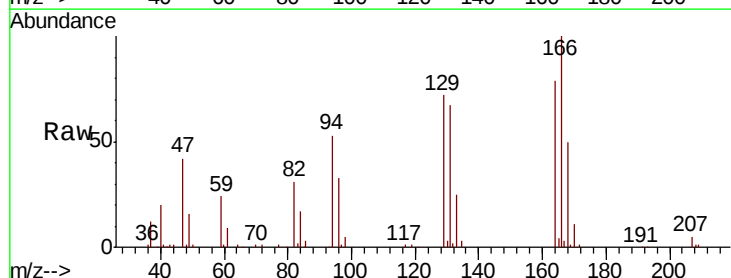
Instrument :
 MSVOA_V
 ClientSampleId :

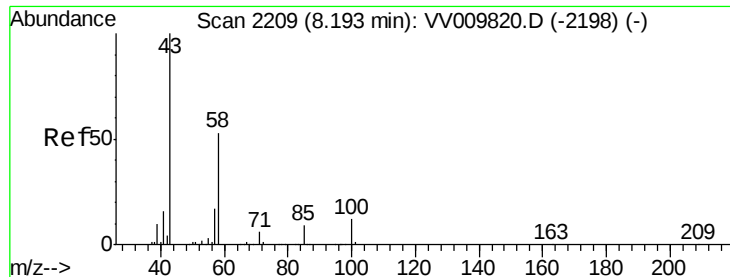
Tot Ion:	97	Resp:	28822
Ion	Ratio	Lower	Upper
97	100		
99	58.8	43.8	81.4
83	81.0	60.7	112.7
85	49.6	40.5	75.3



#47
 Tetrachloroethene
 Concen: 4.600 ug/L
 RT: 8.02 min Scan# 2155
 Delta R.T. 0.00 min
 Lab File: VV009845.D
 Acq: 23 Mar 2019 11:16

Tgt Ion:	164	Resp:	35284
Ion	Ratio	Lower	Upper
164	100		
129	92.2	73.6	136.8
131	85.9	68.4	127.0
166	127.4	91.8	170.4

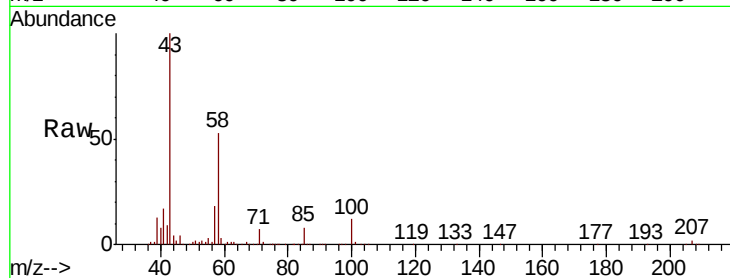




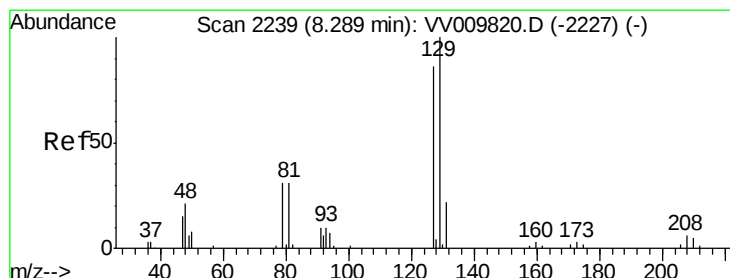
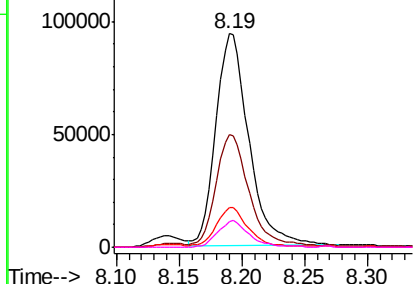
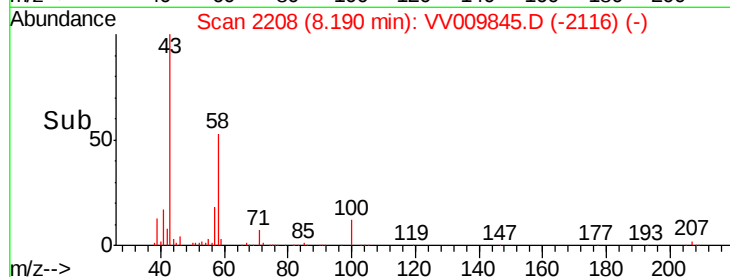
#48
2-Hexanone
Concen: 47.698 ug/L
RT: 8.19 min Scan# 2208
Delta R.T. -0.00 min
Lab File: VV009845.D
Acq: 23 Mar 2019 11:16

Instrument :
MSVOA_V
ClientSampled :

Tot Ion:	43	Resp:	172104
Ion	Ratio	Lower	Upper
43	100		
58	52.1	43.4	65.0
57	18.9	15.0	22.4
100	11.8	9.6	14.4

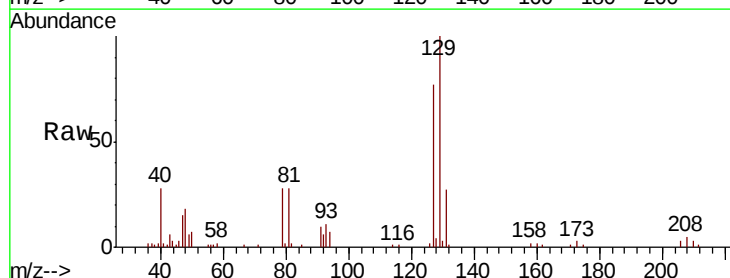


Abundance Ion 43.05 (42.75 to 43.75): VV009845.D (-2116) (-)
Ion 58.05 (57.75 to 58.75): VV009845.D (-2116) (-)
Ion 57.20 (56.90 to 57.90): VV009845.D (-2116) (-)
Ion 100.15 (99.85 to 100.85): VV009845.D (-2116) (-)

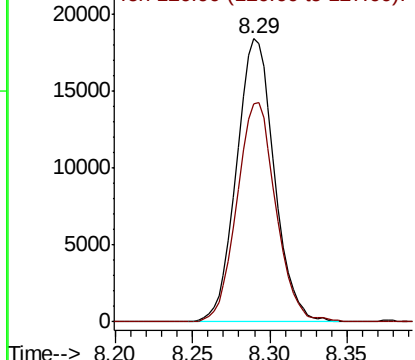
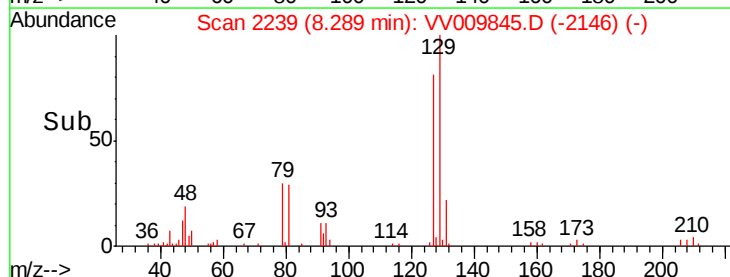


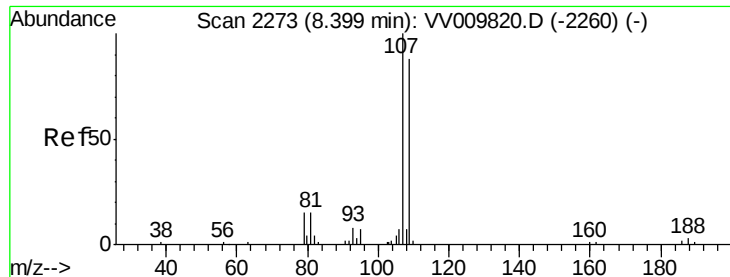
#49
Dibromochloromethane
Concen: 4.526 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VV009845.D
Acq: 23 Mar 2019 11:16

Tgt Ion:	129	Resp:	31257
Ion	Ratio	Lower	Upper
129	100		
127	77.0	52.4	97.4



Abundance Ion 128.95 (128.65 to 129.65): VV009845.D (-2146) (-)
Ion 126.90 (126.60 to 127.60): VV009845.D (-2146) (-)

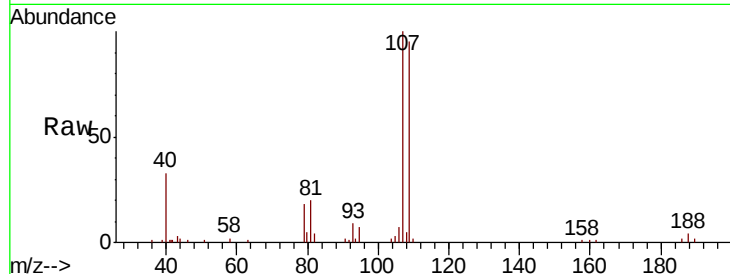




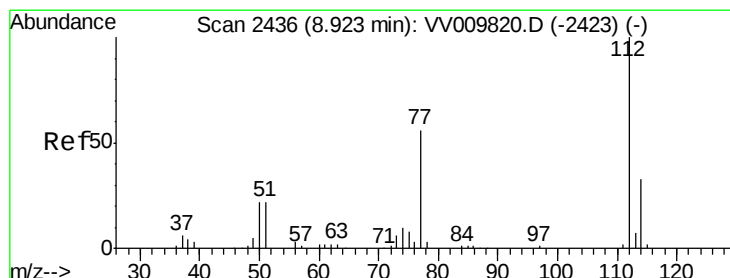
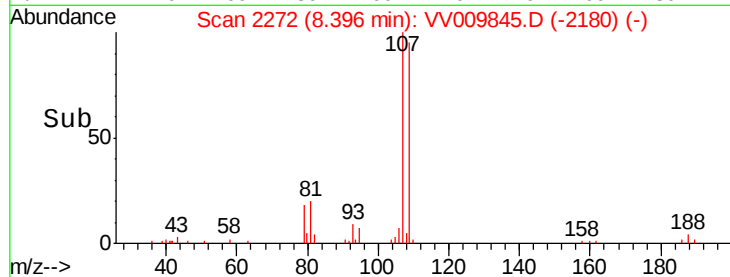
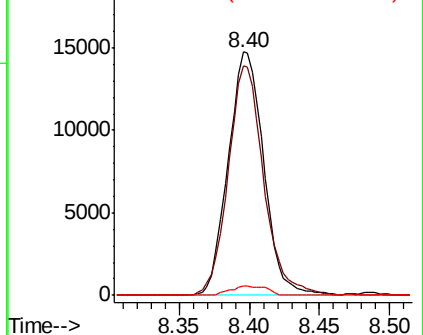
#50
1,2-Dibromoethane
Concen: 4.668 ug/L
RT: 8.40 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VV009845.D
Acq: 23 Mar 2019 11:16

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:107 Resp: 26043
Ion Ratio Lower Upper
107 100
109 94.5 61.8 114.8
188 4.1 2.4 3.6#

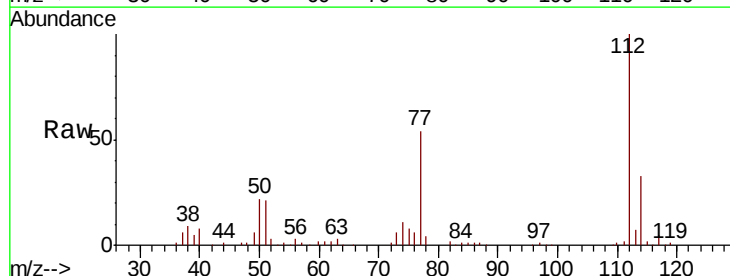


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

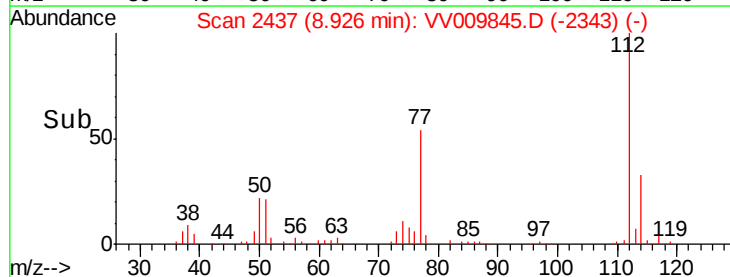
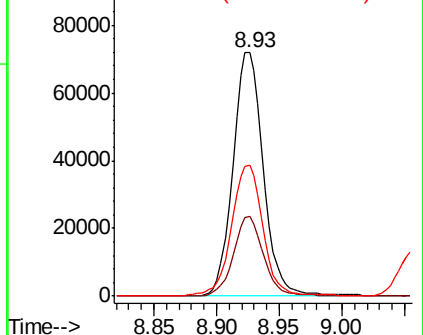


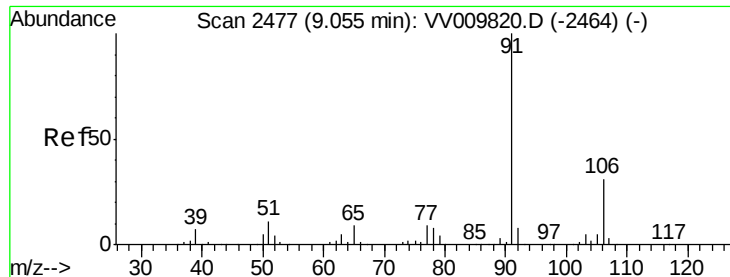
#51
Chlorobenzene
Concen: 4.736 ug/L
RT: 8.93 min Scan# 2437
Delta R.T. 0.00 min
Lab File: VV009845.D
Acq: 23 Mar 2019 11:16

Tgt Ion:112 Resp: 120472
Ion Ratio Lower Upper
112 100
114 32.7 21.8 40.4
77 53.9 45.0 67.4



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: 4.790 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. 0.00 min

Lab File: VV009845.D

Acq: 23 Mar 2019 11:16

Instrument :

MSVOA_V

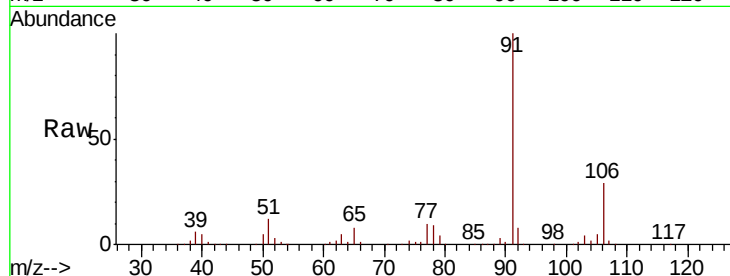
ClientSampled :

Tot Ion: 91 Resp: 209654

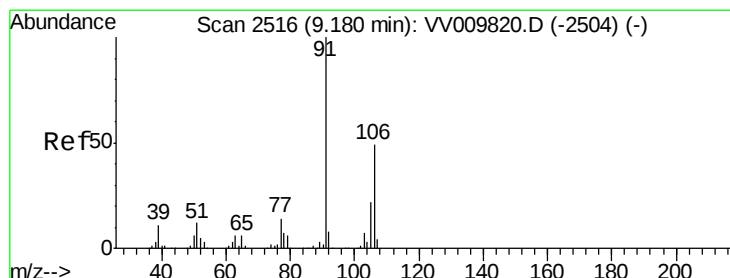
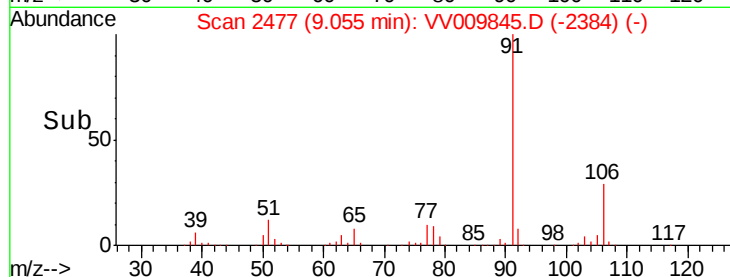
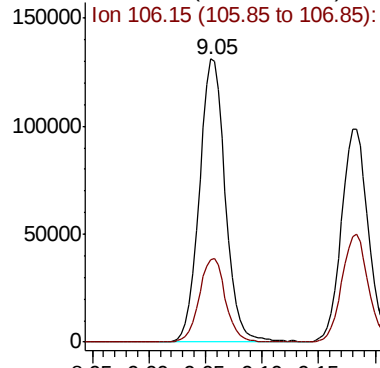
Ion Ratio Lower Upper

91 100

106 29.1 22.7 42.1



Abundance Ion 91.15 (90.85 to 91.85): VV009845.D (-2384) (-)



#53

m,p-xylene

Concen: 4.932 ug/L

RT: 9.18 min Scan# 2517

Delta R.T. 0.00 min

Lab File: VV009845.D

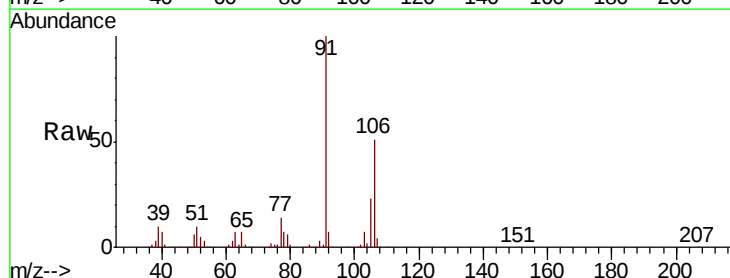
Acq: 23 Mar 2019 11:16

Tgt Ion: 106 Resp: 82041

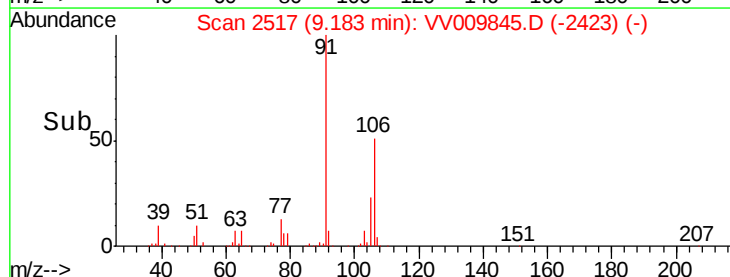
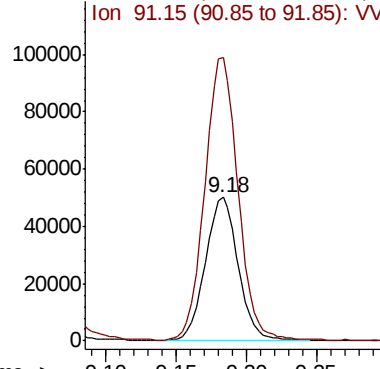
Ion Ratio Lower Upper

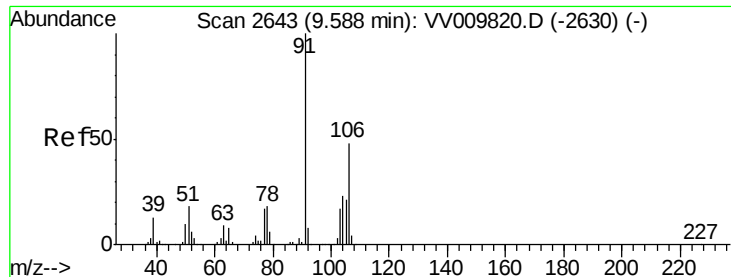
106 100

91 197.5 143.2 266.0



Abundance Ion 106.15 (105.85 to 106.85): VV009845.D (-2423) (-)





#54

o-xylene

Concen: 4.854 ug/L

RT: 9.59 min Scan# 2643

Delta R.T. 0.00 min

Lab File: VV009845.D

Acq: 23 Mar 2019 11:16

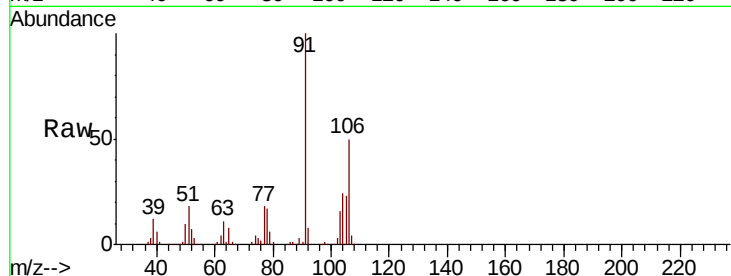
Instrument :
MSVOA_V
ClientSampled :

Tot Ion:106 Resp: 78871

Ion Ratio Lower Upper

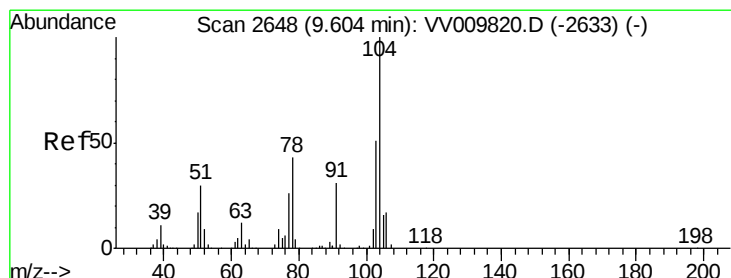
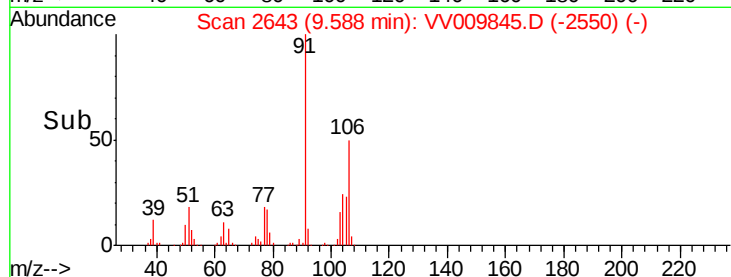
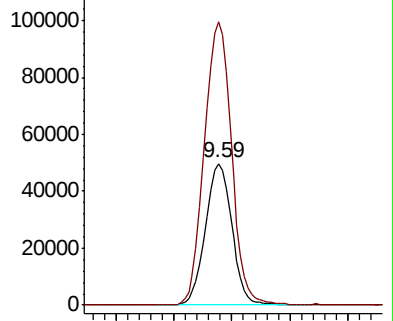
106 100

91 199.5 152.9 283.9



Abundance Ion 106.15 (105.85 to 106.85): VV009820.D (-2630) (-)

Ion 91.15 (90.85 to 91.85): VV009820.D (-2630) (-)



#55

Styrene

Concen: 4.976 ug/L

RT: 9.60 min Scan# 2648

Delta R.T. 0.00 min

Lab File: VV009845.D

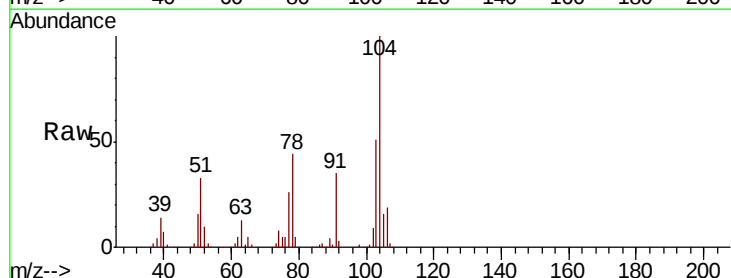
Acq: 23 Mar 2019 11:16

Tgt Ion:104 Resp: 131479

Ion Ratio Lower Upper

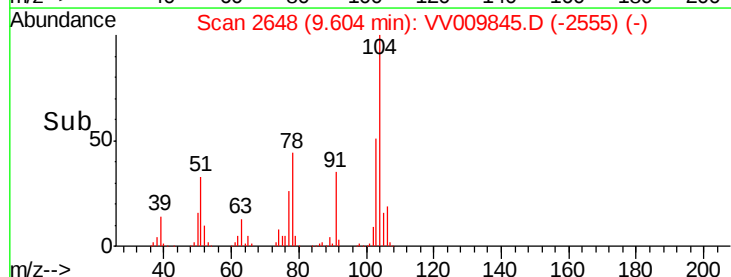
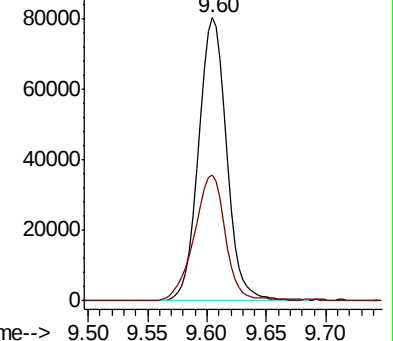
104 100

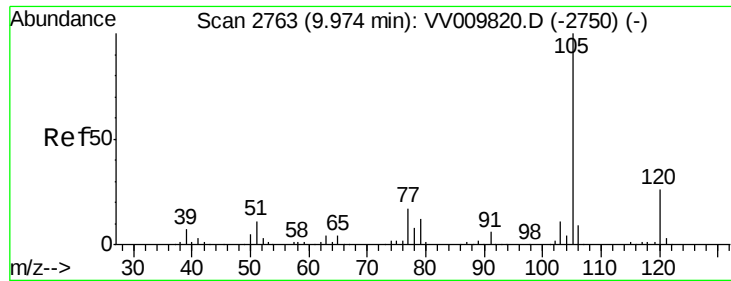
78 44.3 32.2 59.8



Abundance Ion 104.10 (103.80 to 104.80): VV009820.D (-2633) (-)

Ion 78.10 (77.80 to 78.80): VV009820.D (-2633) (-)





#56

Isopropylbenzene

Concen: 4.861 ug/L

RT: 9.97 min Scan# 2763

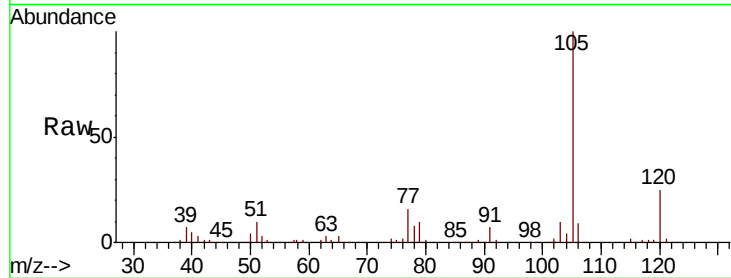
Delta R.T. 0.00 min

Lab File: VV009845.D

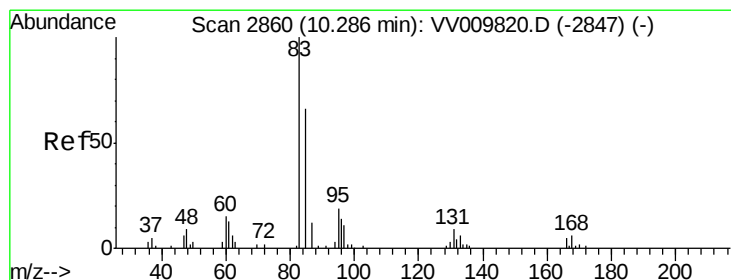
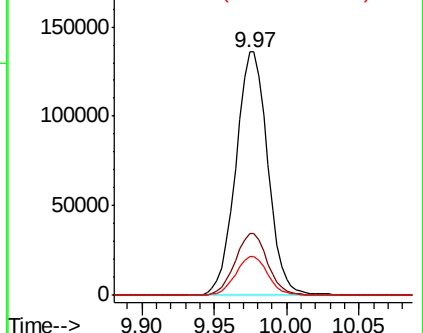
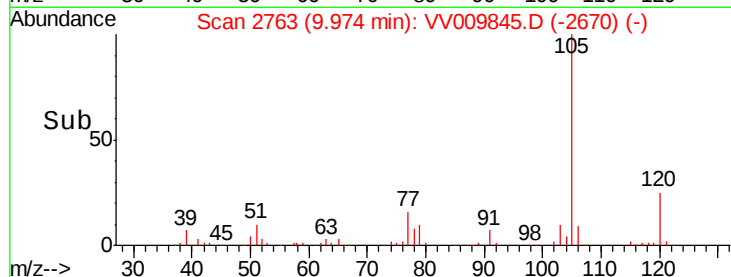
Acq: 23 Mar 2019 11:16

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:	105	Resp:	208547
Ion	Ratio	Lower	Upper
105	100		
120	25.6	21.4	32.2
77	16.1	12.6	19.0



Abundance Ion 105.05 (104.75 to 105.75): VV009845.D (-2670) (-)



#58

1,1,2,2-Tetrachloroethane

Concen: 4.757 ug/L

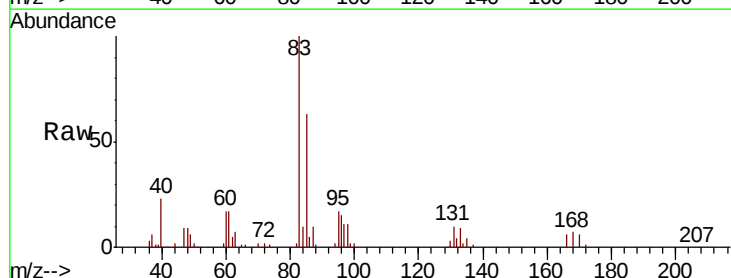
RT: 10.29 min Scan# 2860

Delta R.T. 0.00 min

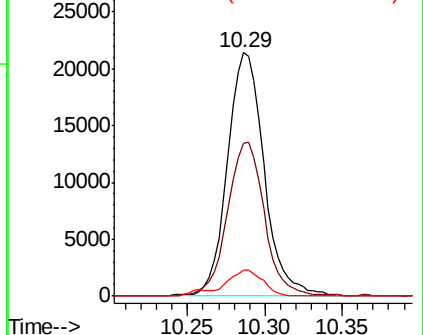
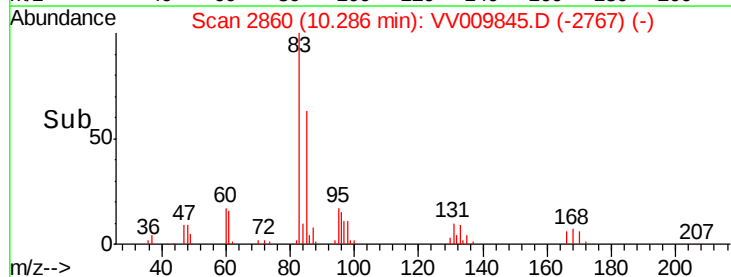
Lab File: VV009845.D

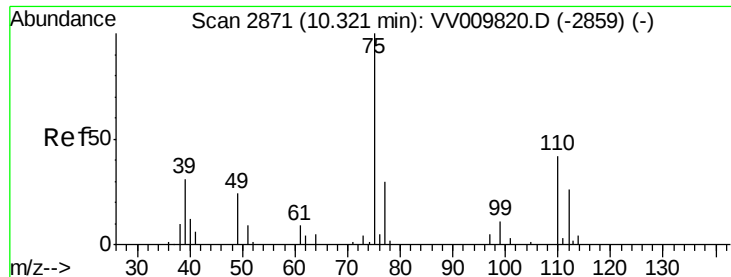
Acq: 23 Mar 2019 11:16

Tgt Ion:	83	Resp:	35213
Ion	Ratio	Lower	Upper
83	100		
85	62.7	45.8	85.2
131	10.4	9.0	13.4



Abundance Ion 82.95 (82.65 to 83.65): VV009845.D (-2767) (-)

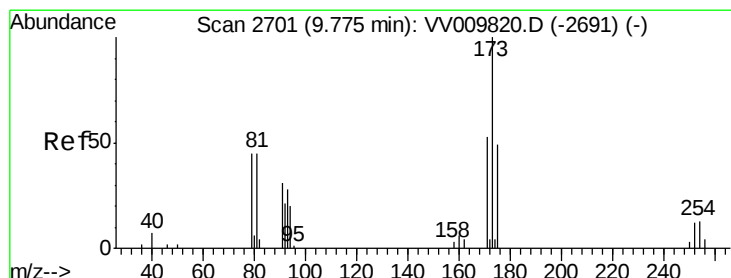
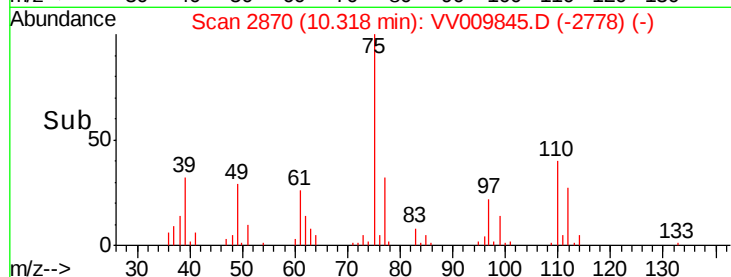
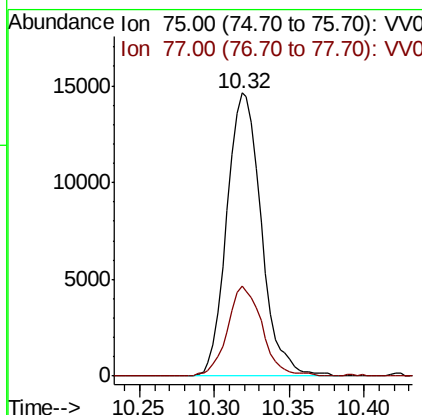
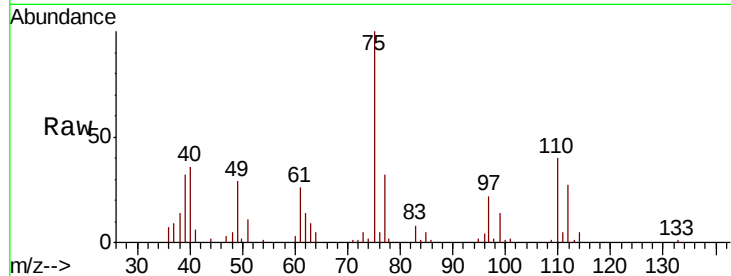




#59
 1,2,3-Trichloropropane
 Concen: 4.606 ug/L
 RT: 10.32 min Scan# 2870
 Delta R.T. -0.00 min
 Lab File: VV009845.D
 Acq: 23 Mar 2019 11:16

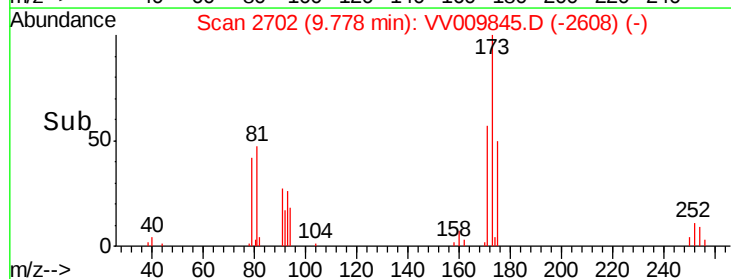
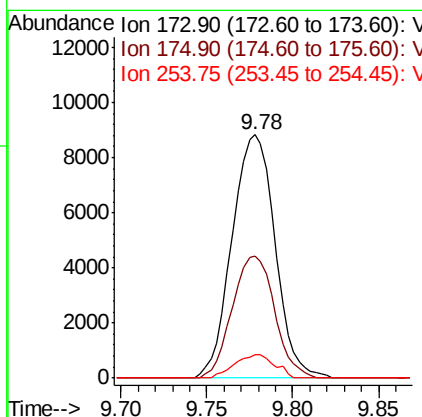
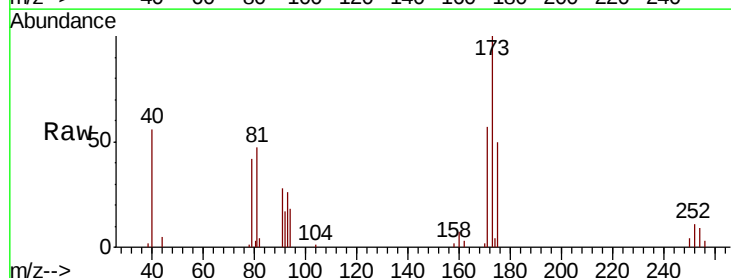
Instrument :
 MSVOA_V
 ClientSampleId :

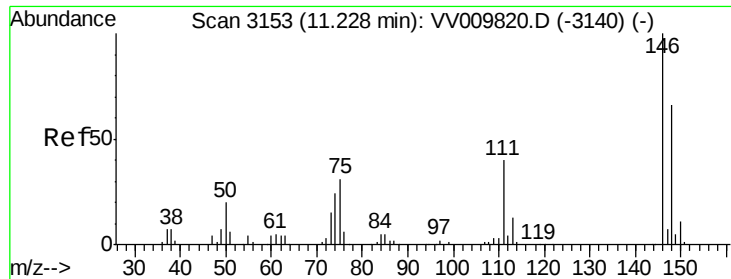
Tot Ion: 75 Resp: 23485
 Ion Ratio Lower Upper
 75 100
 77 32.0 25.7 38.5



#61
 Bromoform
 Concen: 4.724 ug/L
 RT: 9.78 min Scan# 2702
 Delta R.T. 0.00 min
 Lab File: VV009845.D
 Acq: 23 Mar 2019 11:16

Tgt Ion: 173 Resp: 15350
 Ion Ratio Lower Upper
 173 100
 175 49.2 40.0 60.0
 254 8.9 6.2 9.2





#62

1,3-Dichlorobenzene

Concen: 4.639 ug/L

RT: 11.23 min Scan# 3153

Delta R.T. 0.00 min

Lab File: VV009845.D

Acq: 23 Mar 2019 11:16

Instrument :

MSVOA_V

ClientSampleId :

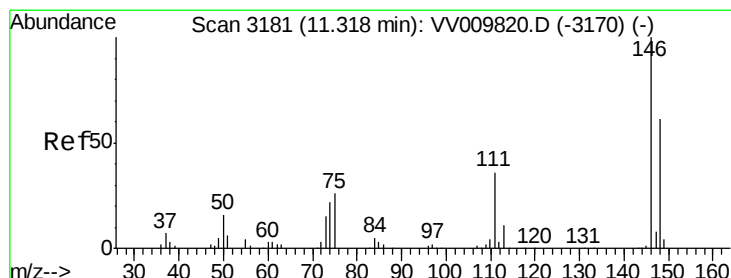
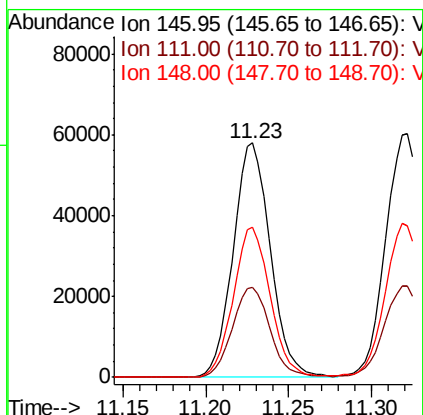
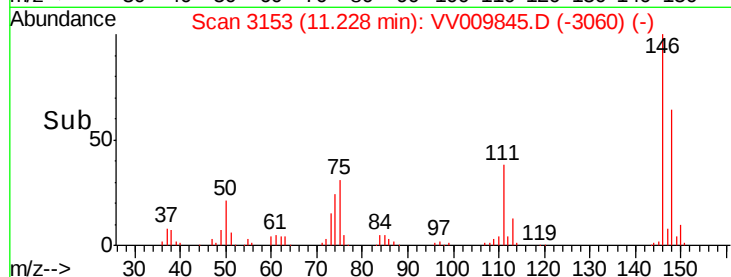
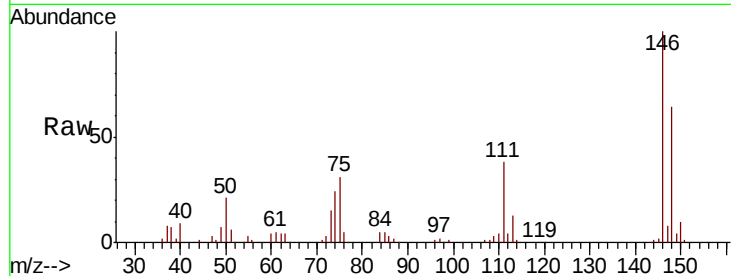
Tot Ion:146 Resp: 90703

Ion Ratio Lower Upper

146 100

111 38.4 29.7 55.1

148 64.3 44.2 82.0



#63

1,4-Dichlorobenzene

Concen: 4.870 ug/L

RT: 11.32 min Scan# 3182

Delta R.T. 0.00 min

Lab File: VV009845.D

Acq: 23 Mar 2019 11:16

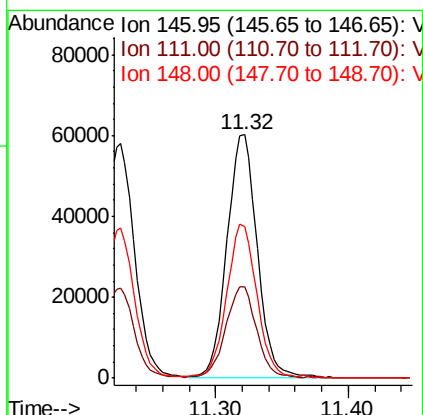
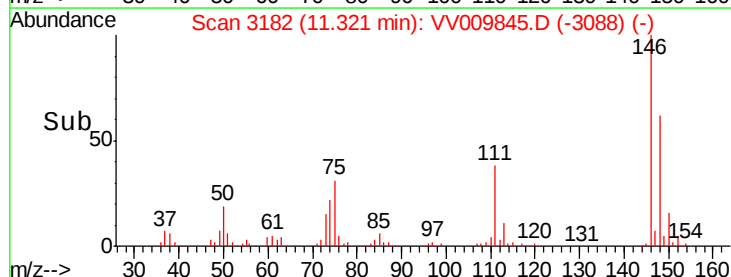
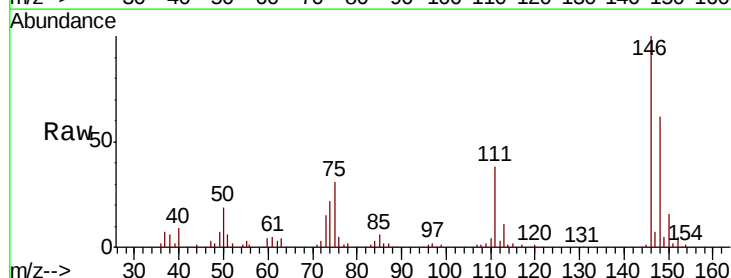
Tgt Ion:146 Resp: 96334

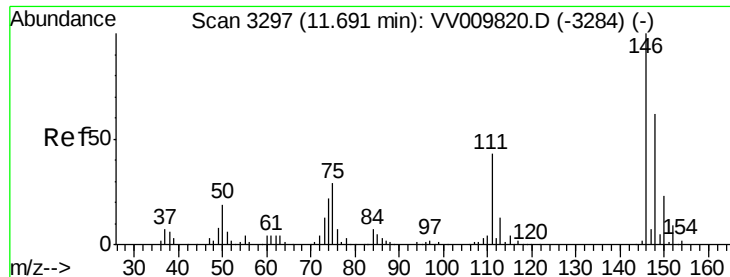
Ion Ratio Lower Upper

146 100

111 37.6 27.4 51.0

148 62.3 43.6 81.0

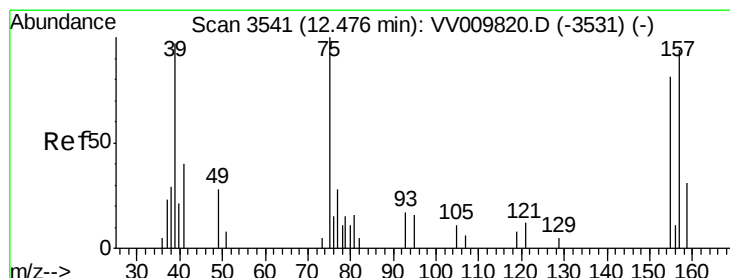
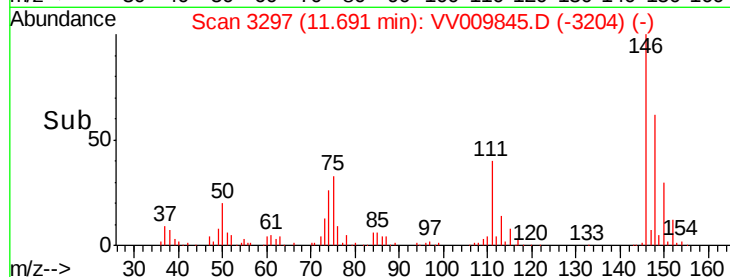
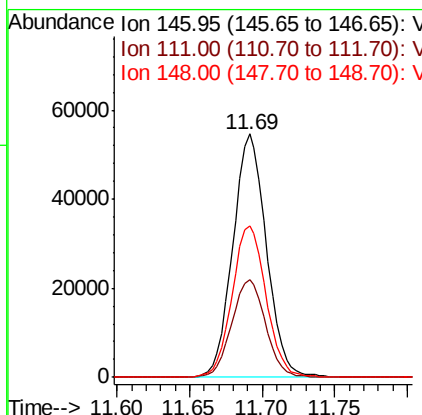
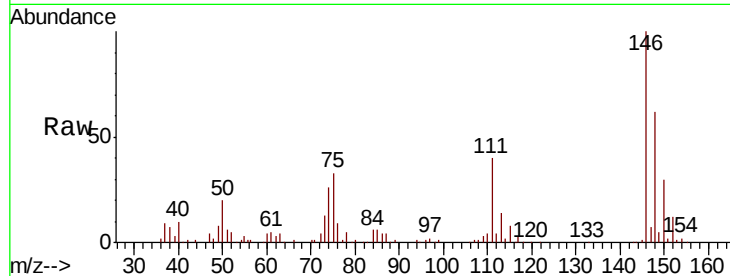




#65
 1,2-Dichlorobenzene
 Concen: 4.770 ug/L
 RT: 11.69 min Scan# 3297
 Delta R.T. 0.00 min
 Lab File: VV009845.D
 Acq: 23 Mar 2019 11:16

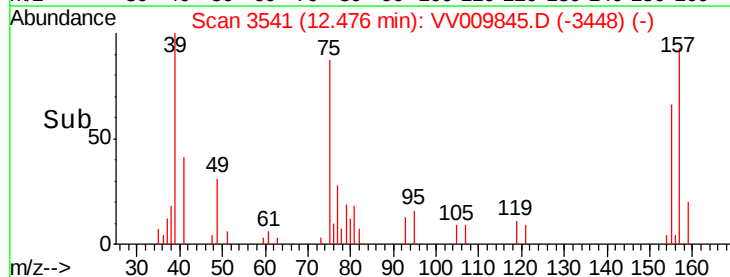
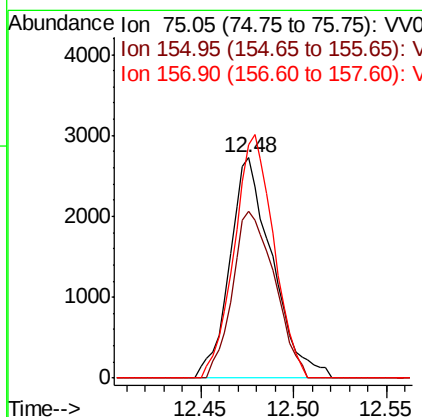
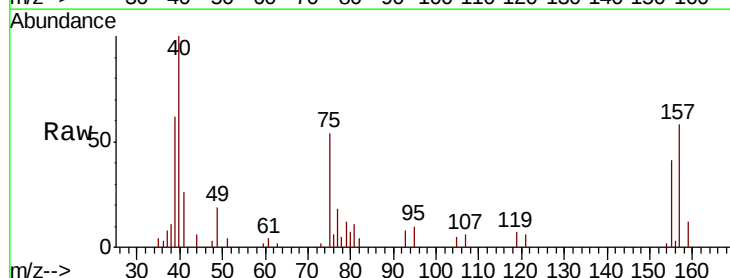
Instrument :
 MSVOA_V
 ClientSampleId :

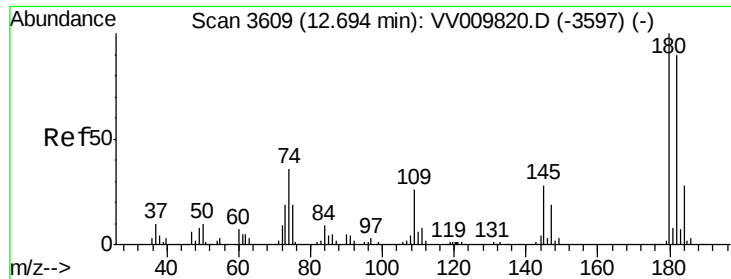
Tot Ion:146 Resp: 87770
 Ion Ratio Lower Upper
 146 100
 111 40.3 34.7 52.1
 148 62.3 50.6 76.0



#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.422 ug/L
 RT: 12.48 min Scan# 3541
 Delta R.T. 0.00 min
 Lab File: VV009845.D
 Acq: 23 Mar 2019 11:16

Tgt Ion: 75 Resp: 4351
 Ion Ratio Lower Upper
 75 100
 155 75.9 73.5 110.3
 157 106.1 88.3 132.5

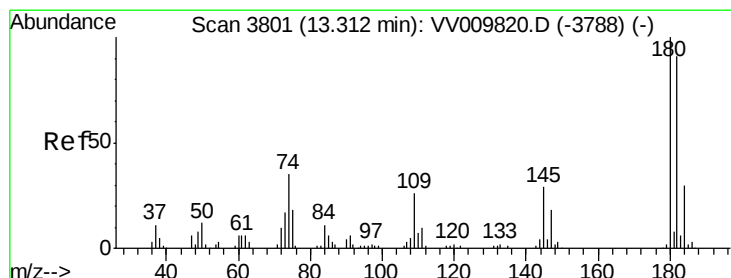
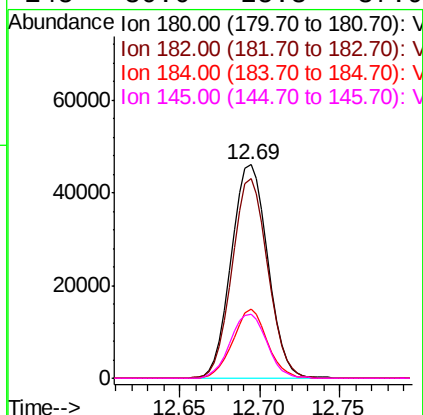
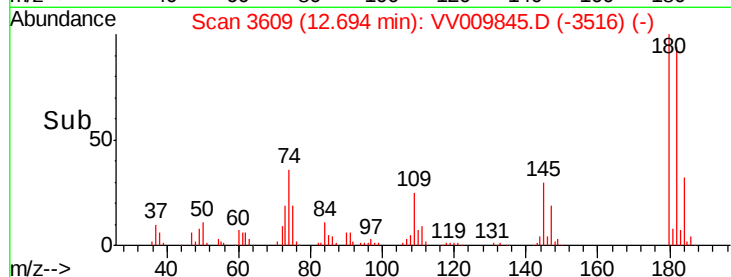
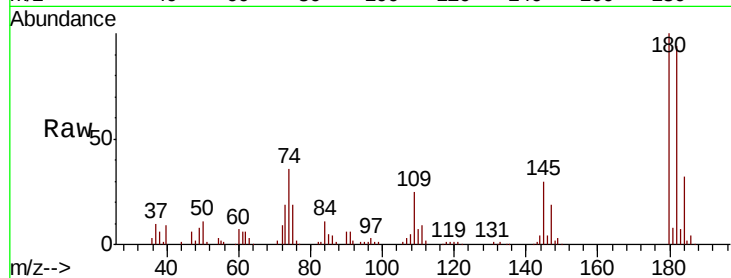




#67
 1,3,5-Trichlorobenzene
 Concen: 4.836 ug/L
 RT: 12.69 min Scan# 3609
 Delta R.T. 0.00 min
 Lab File: VV009845.D
 Acq: 23 Mar 2019 11:16

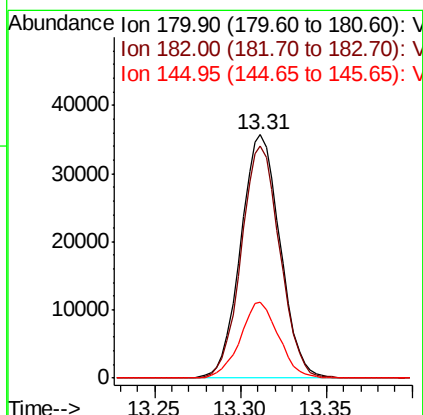
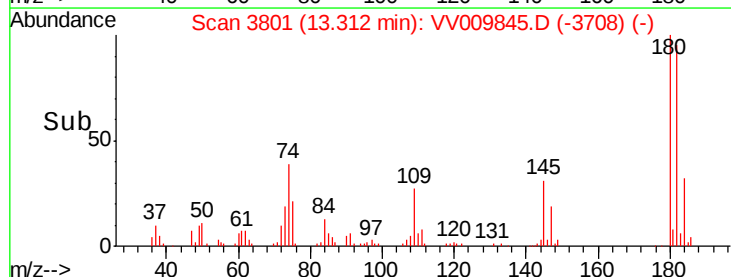
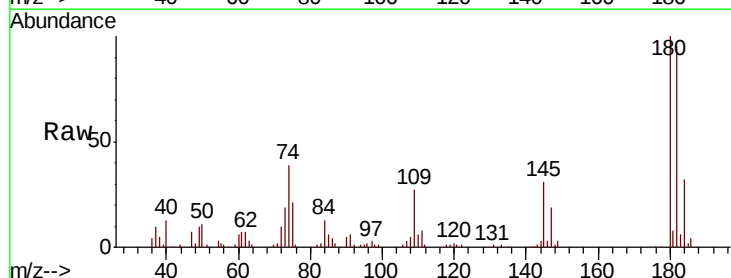
Instrument :
 MSVOA_V
 ClientSampleId :

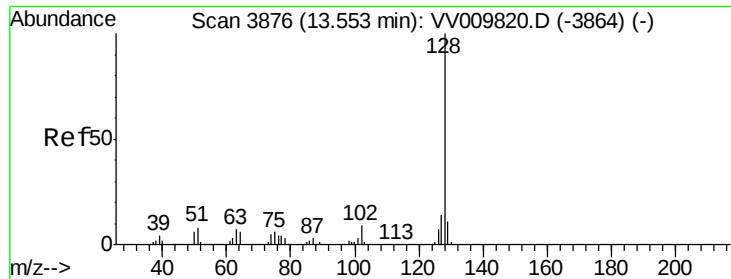
Tot Ion:180 Resp: 71592
 Ion Ratio Lower Upper
 180 100
 182 91.4 75.0 112.6
 184 30.3 23.9 35.9
 145 30.0 25.3 37.9



#68
 1,2,4-trichlorobenzene
 Concen: 5.107 ug/L
 RT: 13.31 min Scan# 3801
 Delta R.T. 0.00 min
 Lab File: VV009845.D
 Acq: 23 Mar 2019 11:16

Tgt Ion:180 Resp: 56671
 Ion Ratio Lower Upper
 180 100
 182 93.5 75.2 112.8
 145 30.4 26.6 39.8





#69

Naphthalene

Concen: 4.652 ug/L

RT: 13.55 min Scan# 3876

Delta R.T. 0.00 min

Lab File: VV009845.D

Acq: 23 Mar 2019 11:16

Instrument :

MSVOA_V

ClientSampleId :

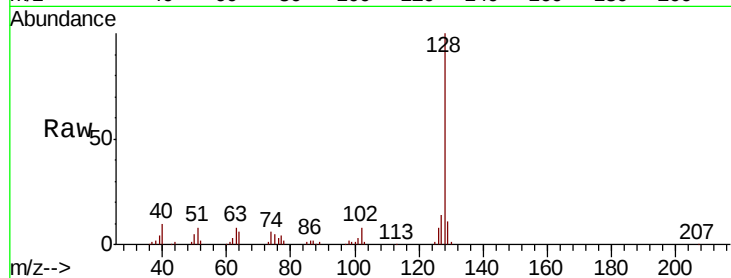
Tot Ion:128 Resp: 81046

Ion Ratio Lower Upper

128 100

129 10.8 8.9 13.3

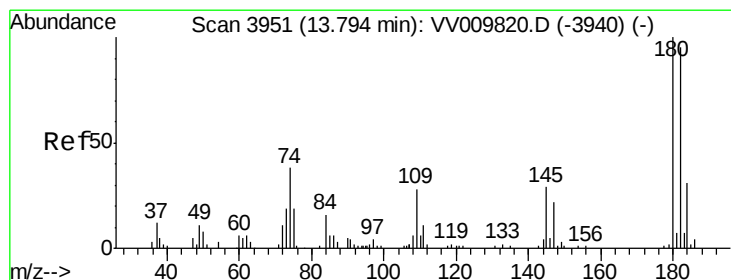
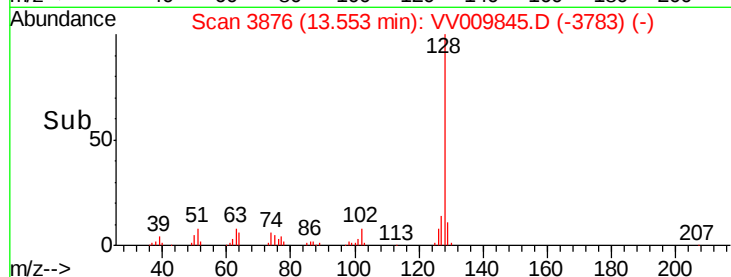
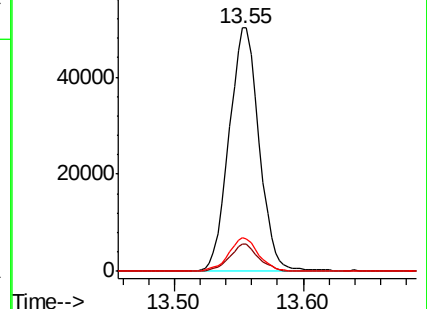
127 13.7 10.4 15.6



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 4.868 ug/L

RT: 13.79 min Scan# 3951

Delta R.T. 0.00 min

Lab File: VV009845.D

Acq: 23 Mar 2019 11:16

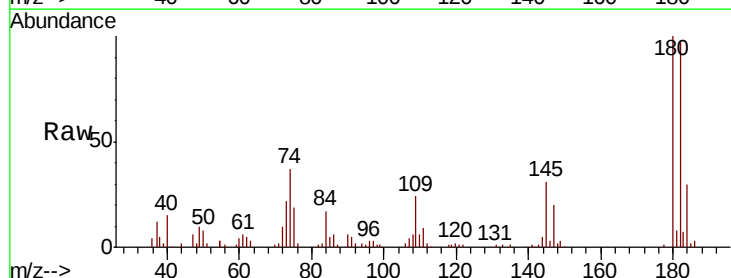
Tgt Ion:180 Resp: 50133

Ion Ratio Lower Upper

180 100

182 98.1 76.8 115.2

145 31.1 28.2 42.2



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

