

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV090418\
 Data File : VV007360.D
 Acq On : 05 Sep 2018 05:03
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0 mL/MSVOA_V/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05066

Quant Time: Sep 05 05:22:42 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM090418WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Sep 05 01:26:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	563314	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	542687	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	255439	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	193295	48.04	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	96.08%
7) Chloroethane-d5	1.57	69	120497	45.72	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	91.44%
11) 1,1-Dichloroethene-d2	2.13	63	345090	48.69	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.38%
21) 2-Butanone-d5	3.96	46	298282	91.14	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	91.14%
24) Chloroform-d	4.41	84	403673	48.50	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.00%
26) 1,2-Dichloroethane-d4	5.09	65	245058	48.81	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.62%
32) Benzene-d6	5.10	84	812741	49.69	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.38%
36) 1,2-Dichloropropane-d6	6.12	67	266105	48.55	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.10%
41) Toluene-d8	7.36	98	743974	52.84	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	105.68%
43) trans-1,3-Dichloropropene-	7.67	79	108025	46.27	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.54%
47) 2-Hexanone-d5	8.14	63	206206	95.97	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	95.97%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	361818	48.33	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.66%
64) 1,2-Dichlorobenzene-d4	11.68	152	274036	49.92	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.84%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	216517	48.428	ug/L 100
3) Chloromethane	1.26	50	228710	48.226	ug/L 99
5) Vinyl chloride	1.32	62	232509	48.356	ug/L 100
6) Bromomethane	1.53	94	109412	47.224	ug/L 99
8) Chloroethane	1.59	64	131797	53.416	ug/L 99
9) Trichlorofluoromethane	1.76	101	300613	49.389	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	181674	48.074	ug/L 100
12) 1,1-Dichloroethene	2.14	96	172778	48.498	ug/L 93
13) Acetone	2.20	43	165729	85.035	ug/L 97
14) Carbon disulfide	2.32	76	485230	48.068	ug/L 99
15) Methyl Acetate	2.47	43	203662	47.971	ug/L 99
16) Methylene chloride	2.54	84	206564	48.758	ug/L 99
17) trans-1,2-Dichloroethene	2.79	96	186749	48.052	ug/L 99
18) Methyl tert-butyl Ether	2.82	73	598905	49.205	ug/L 100
19) 1,1-Dichloroethane	3.23	63	392284	48.736	ug/L 99
20) cis-1,2-Dichloroethene	3.97	96	217235	48.573	ug/L 99
22) 2-Butanone	4.04	43	308109	94.393	ug/L 99

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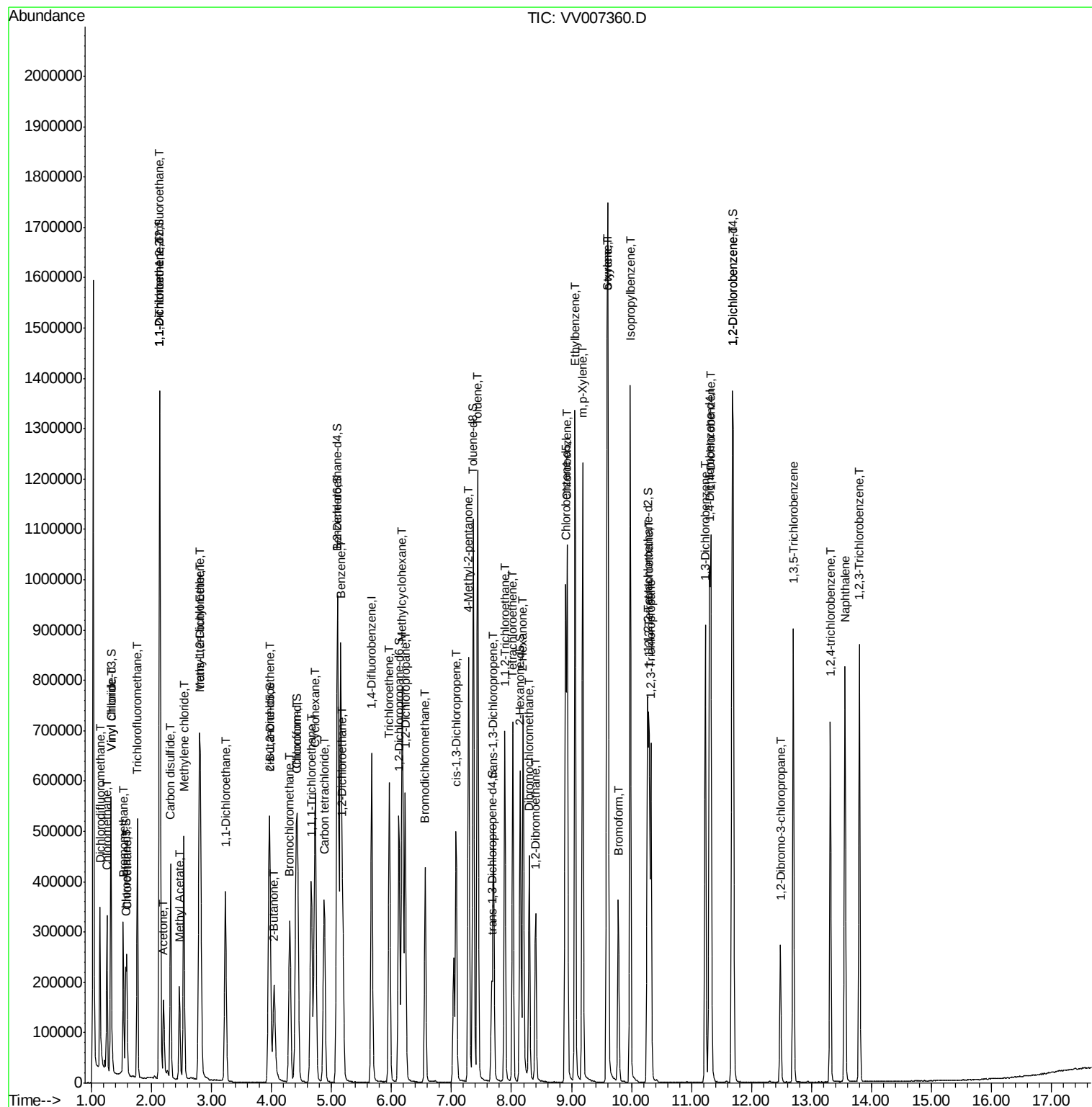
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.31	128	115568	49.388	ug/L	98
25) Chloroform	4.43	83	389981	49.223	ug/L	100
27) 1,2-Dichloroethane	5.19	62	290942	49.044	ug/L	98
29) Cyclohexane	4.73	56	292426	48.604	ug/L	99
30) 1,1,1-Trichloroethane	4.66	97	321039	48.441	ug/L	100
31) Carbon tetrachloride	4.88	117	279320	48.690	ug/L	100
33) Benzene	5.15	78	881899	50.805	ug/L	100
34) Trichloroethene	5.96	95	205881	48.584	ug/L	99
35) Methylcyclohexane	6.18	83	311753	49.336	ug/L	100
37) 1,2-Dichloropropane	6.23	63	238592	50.015	ug/L	100
38) Bromodichloromethane	6.56	83	282140	48.437	ug/L	99
39) cis-1,3-Dichloropropene	7.08	75	299651	46.778	ug/L	99
40) 4-Methyl-2-pentanone	7.29	43	547591	99.364	ug/L	99
42) Toluene	7.44	91	889344	53.257	ug/L	100
44) trans-1,3-Dichloropropene	7.70	75	285399	47.648	ug/L	100
45) 1,1,2-Trichloroethane	7.89	97	219849	48.829	ug/L	100
46) Tetrachloroethene	8.02	164	168609	49.482	ug/L	99
48) 2-Hexanone	8.19	43	430208	100.098	ug/L	99
49) Dibromochloromethane	8.30	129	226662	49.080	ug/L	99
50) 1,2-Dibromoethane	8.40	107	219117	49.829	ug/L	99
51) Chlorobenzene	8.93	112	561461	49.790	ug/L	100
52) Ethylbenzene	9.06	91	891006	52.615	ug/L	100
53) m,p-Xylene	9.19	106	345903	53.352	ug/L	98
54) o-xylene	9.59	106	335813	53.266	ug/L	100
55) Styrene	9.61	104	614984	56.313	ug/L	98
56) Isopropylbenzene	9.98	105	855814	53.672	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.29	83	347676	48.820	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	280394	49.421	ug/L	100
61) Bromoform	9.78	173	163785	47.085	ug/L	100
62) 1,3-Dichlorobenzene	11.23	146	382693	49.316	ug/L	98
63) 1,4-Dichlorobenzene	11.32	146	416170	50.004	ug/L	98
65) 1,2-Dichlorobenzene	11.70	146	440440	50.771	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.48	75	66973	45.537	ug/L	98
67) 1,3,5-Trichlorobenzene	12.70	180	290532	48.790	ug/L	100
68) 1,2,4-trichlorobenzene	13.31	180	229210	49.688	ug/L	100
69) Naphthalene	13.56	128	663252	49.816	ug/L	100
70) 1,2,3-Trichlorobenzene	13.80	180	271098	53.183	ug/L	99

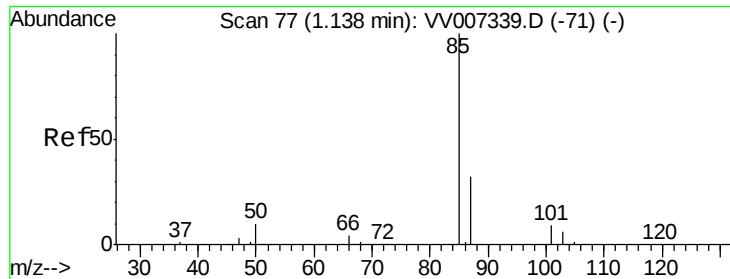
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 48.428 ug/L

RT: 1.14 min Scan# 78

Delta R.T. 0.00 min

Lab File: VV007360.D

Acq: 05 Sep 2018 05:03

Instrument :

MSVOA_V

ClientSampleId :

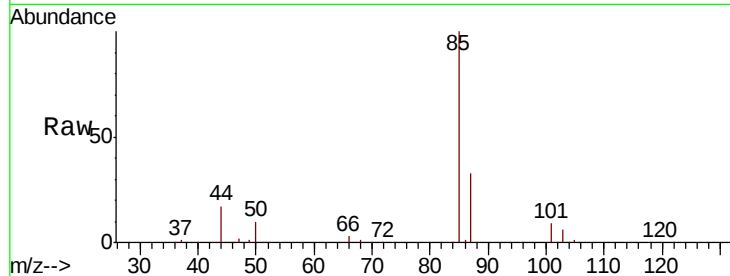
VSTD05066

Tgt Ion: 85 Resp: 216517

Ion Ratio Lower Upper

85 100

87 32.7 26.0 39.0



Abundance Ion 85.00 (84.70 to 85.70): VV007339.D (-71) (-)

Ion 87.00 (86.70 to 87.70): VV007339.D (-71) (-)

1.14

200000

150000

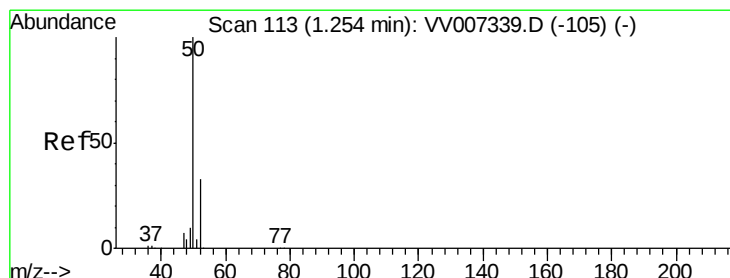
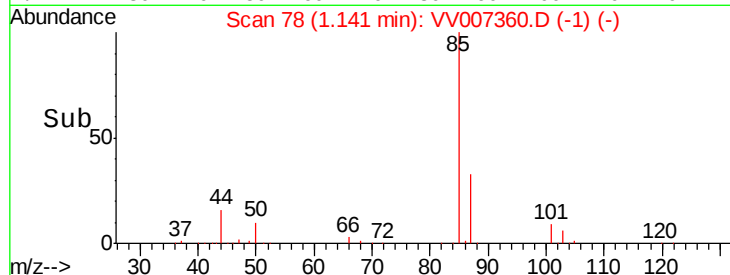
100000

50000

0

1.10 1.15 1.20 1.25

Time-->



#3

Chloromethane

Concen: 48.226 ug/L

RT: 1.26 min Scan# 114

Delta R.T. 0.00 min

Lab File: VV007360.D

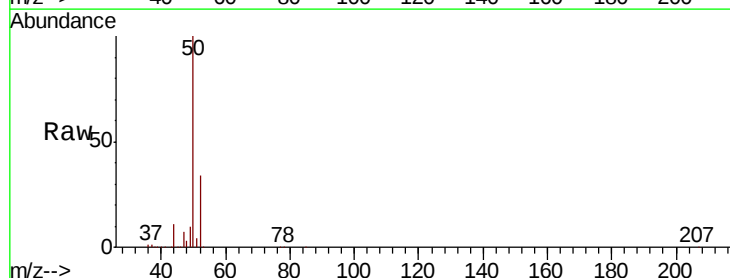
Acq: 05 Sep 2018 05:03

Tgt Ion: 50 Resp: 228710

Ion Ratio Lower Upper

50 100

52 33.6 23.2 43.2



Abundance Ion 50.00 (49.70 to 50.70): VV007339.D (-105) (-)

Ion 52.00 (51.70 to 52.70): VV007339.D (-105) (-)

1.26

200000

150000

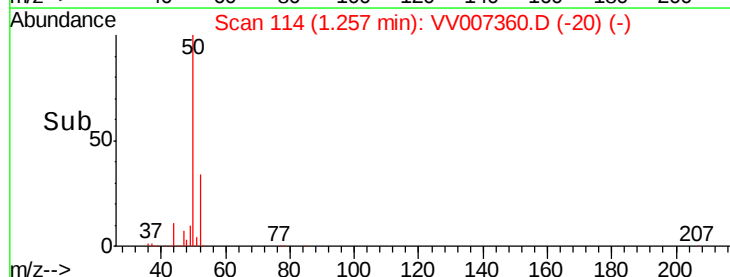
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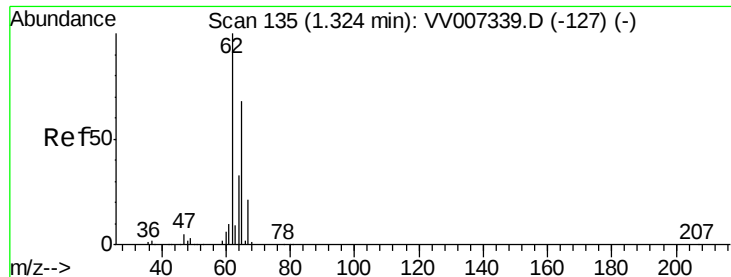
50000

0

1.20 1.25 1.30

Time-->





#5

Vinyl chloride

Concen: 48.356 ug/L

RT: 1.32 min Scan# 135

Delta R.T. 0.00 min

Lab File: VV007360.D

Acq: 05 Sep 2018 05:03

Instrument :

MSVOA_V

ClientSampleId :

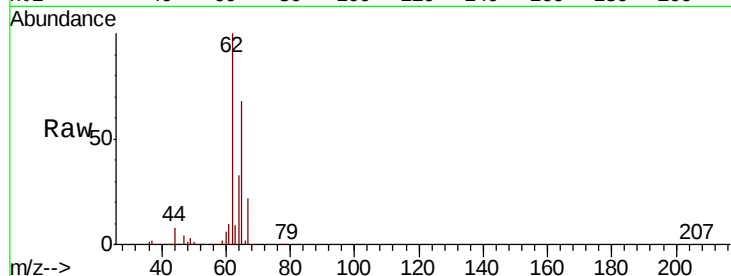
VSTD05066

Tgt Ion: 62 Resp: 232509

Ion Ratio Lower Upper

62 100

64 33.3 23.2 43.2



Abundance Ion 62.00 (61.70 to 62.70): VV007339.D (-127) (-)

Ion 64.00 (63.70 to 64.70): VV007339.D (-127) (-)

1.32

200000

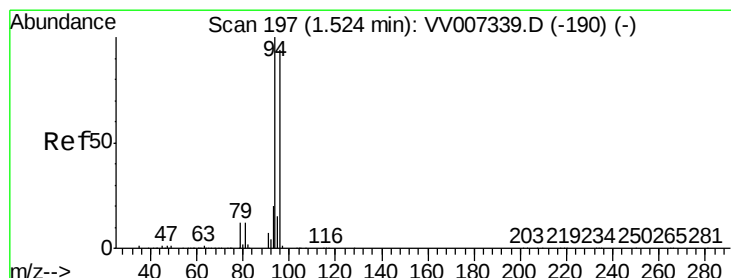
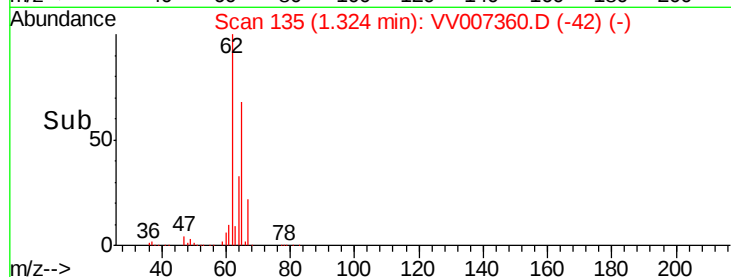
150000

100000

50000

0

Time--> 1.25 1.30 1.35 1.40 1.45



#6

Bromomethane

Concen: 47.224 ug/L

RT: 1.53 min Scan# 199

Delta R.T. 0.01 min

Lab File: VV007360.D

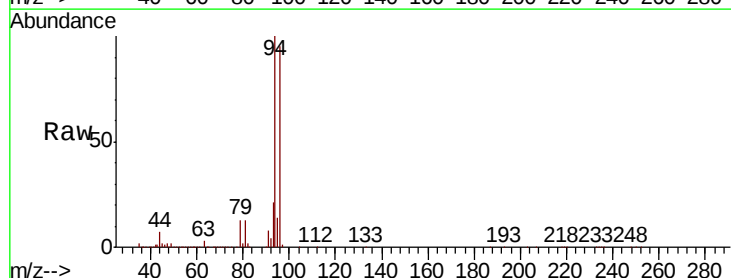
Acq: 05 Sep 2018 05:03

Tgt Ion: 94 Resp: 109412

Ion Ratio Lower Upper

94 100

96 94.9 65.9 122.5



Abundance Ion 94.00 (93.70 to 94.70): VV007339.D (-190) (-)

Ion 96.00 (95.70 to 96.70): VV007339.D (-190) (-)

1.53

120000

100000

80000

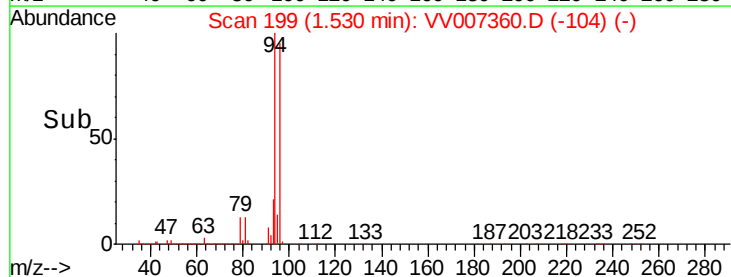
60000

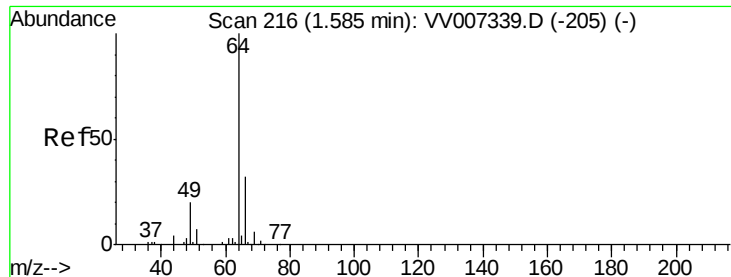
40000

20000

0

Time--> 1.45 1.50 1.55 1.60





#8

Chloroethane

Concen: 53.416 ug/L

RT: 1.59 min Scan# 217

Delta R.T. 0.00 min

Lab File: VV007360.D

Acq: 05 Sep 2018 05:03

Instrument :

MSVOA_V

ClientSampleId :

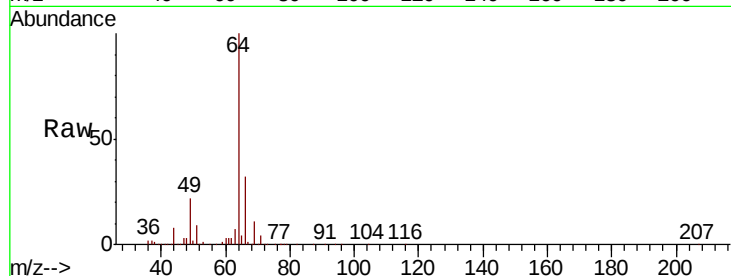
VSTD05066

Tgt Ion: 64 Resp: 131797

Ion Ratio Lower Upper

64 100

66 31.9 22.6 42.0



Abundance Ion 64.00 (63.70 to 64.70): VV007339.D (-205) (-)

Ion 66.00 (65.70 to 66.70): VV007339.D (-205) (-)

120000

100000

80000

60000

40000

20000

0

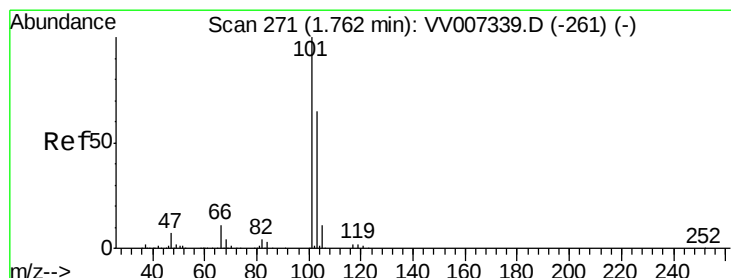
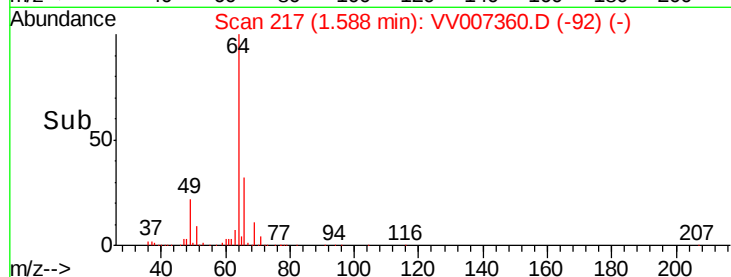
1.59

1.55

1.60

1.65

Time-->



#9

Trichlorofluoromethane

Concen: 49.389 ug/L

RT: 1.76 min Scan# 272

Delta R.T. 0.00 min

Lab File: VV007360.D

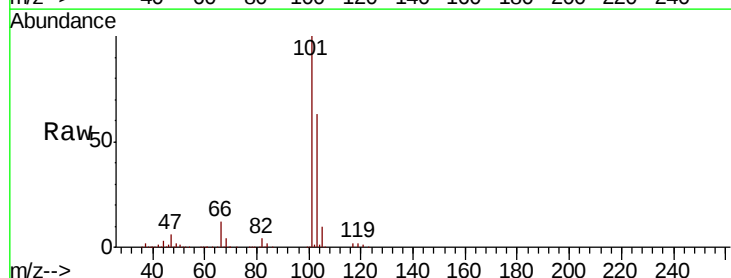
Acq: 05 Sep 2018 05:03

Tgt Ion: 101 Resp: 300613

Ion Ratio Lower Upper

101 100

103 64.1 51.8 77.8



Abundance Ion 101.00 (100.70 to 101.70): VV007339.D (-261) (-)

Ion 103.00 (102.70 to 103.70): VV007339.D (-261) (-)

250000

200000

150000

100000

50000

0

1.76

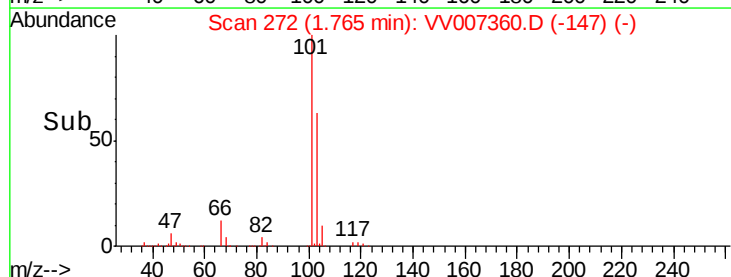
1.70

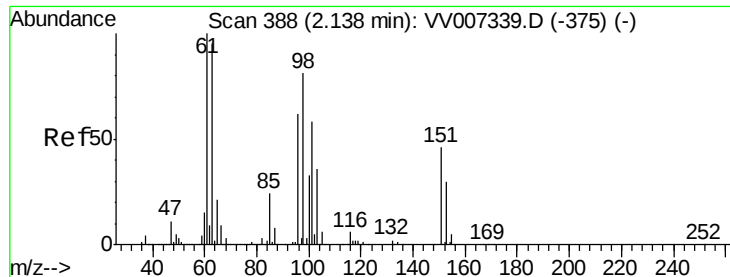
1.75

1.80

1.85

Time-->





#10

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

Concen: 48.074 ug/L

RT: 2.14 min Scan# 389

Delta R.T. 0.00 min

Lab File: VV007360.D

Acq: 05 Sep 2018 05:03

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VSTD05066

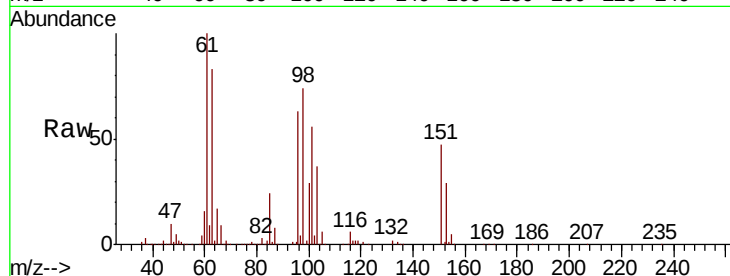
Tgt Ion:101 Resp: 181674

Ion Ratio Lower Upper

101 100

85 41.3 32.7 49.1

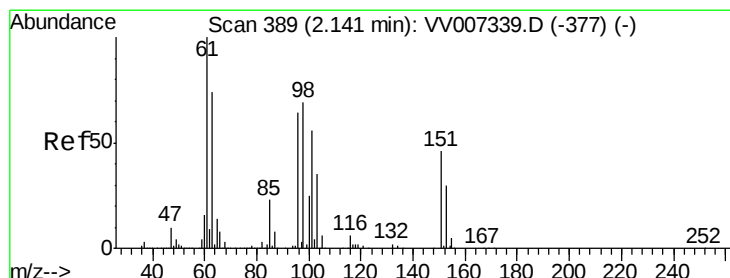
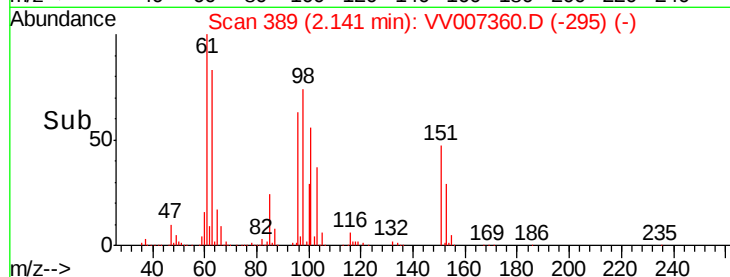
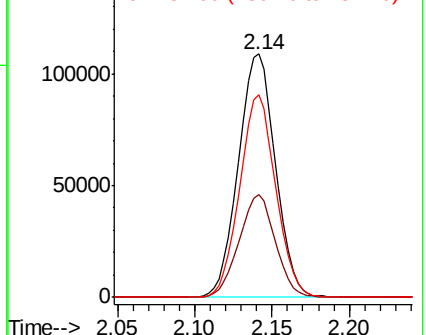
151 80.8 64.5 96.7



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: 48.498 ug/L

RT: 2.14 min Scan# 389

Delta R.T. 0.00 min

Lab File: VV007360.D

Acq: 05 Sep 2018 05:03

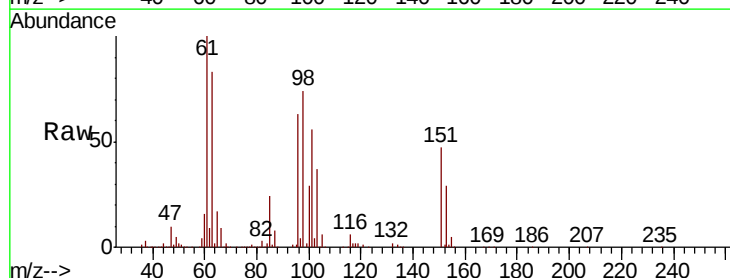
Tgt Ion: 96 Resp: 172778

Ion Ratio Lower Upper

96 100

61 158.5 108.6 201.8

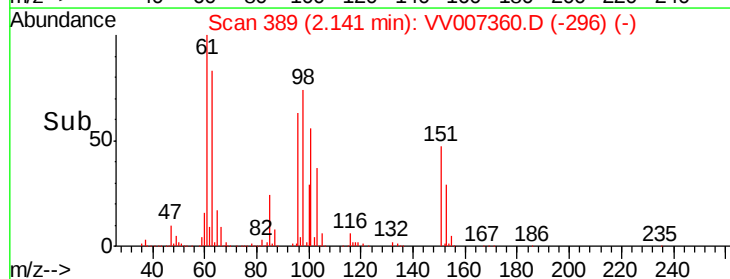
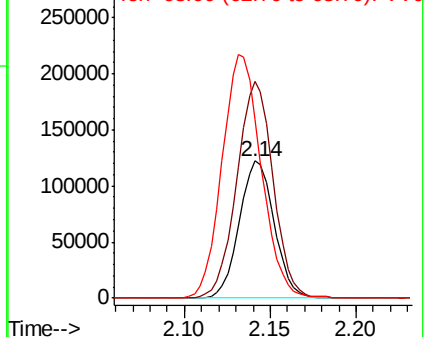
63 130.8 81.5 151.3

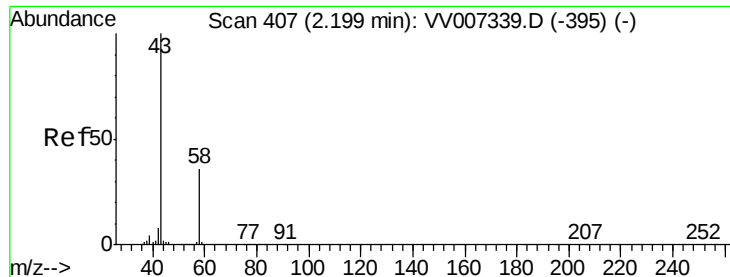


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 85.035 ug/L

RT: 2.20 min Scan# 408

Delta R.T. 0.00 min

Lab File: VV007360.D

Acq: 05 Sep 2018 05:03

Instrument :

MSVOA_V

ClientSampleId :

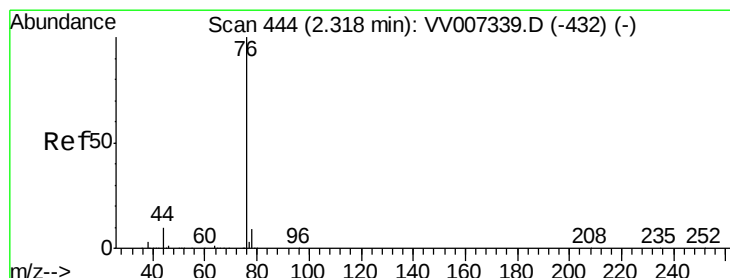
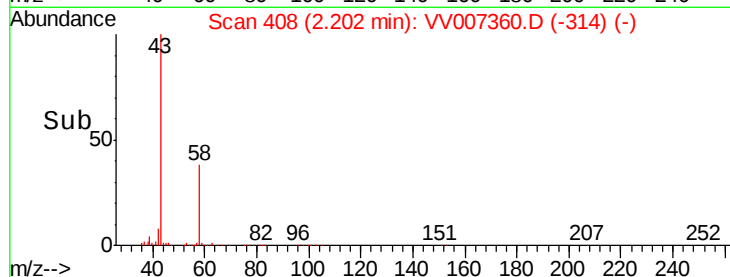
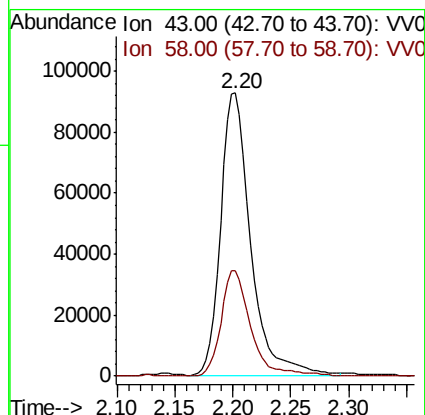
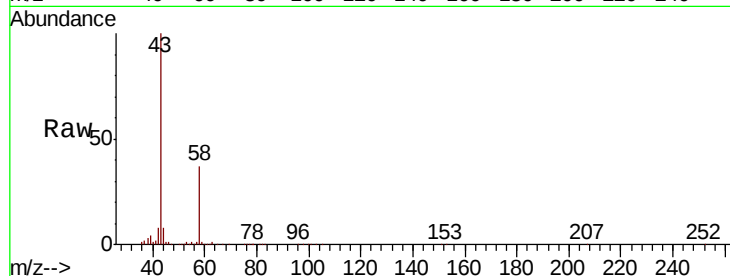
VSTD05066

Tgt Ion: 43 Resp: 165729

Ion Ratio Lower Upper

43 100

58 37.2 0.0 71.2



#14

Carbon disulfide

Concen: 48.068 ug/L

RT: 2.32 min Scan# 444

Delta R.T. 0.00 min

Lab File: VV007360.D

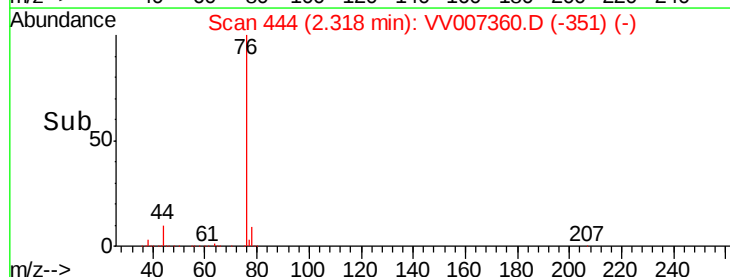
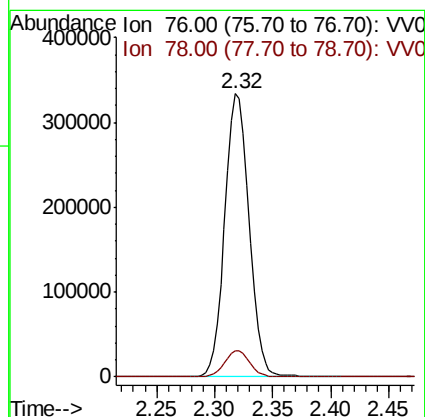
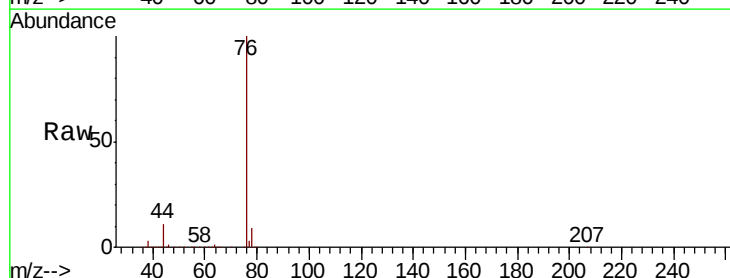
Acq: 05 Sep 2018 05:03

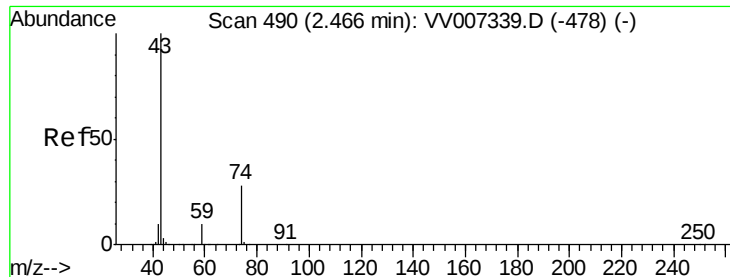
Tgt Ion: 76 Resp: 485230

Ion Ratio Lower Upper

76 100

78 9.2 7.1 10.7

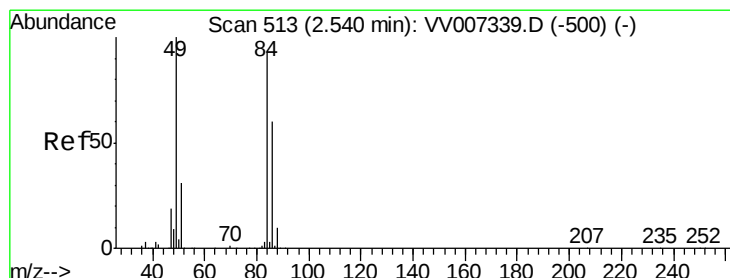
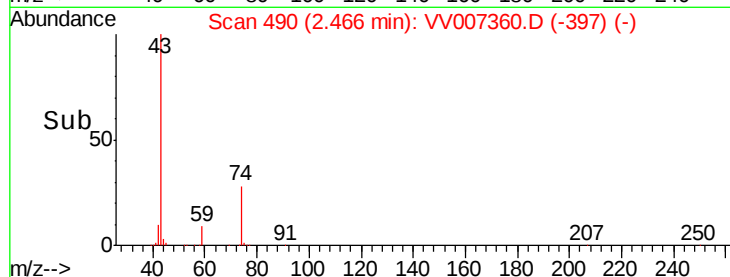
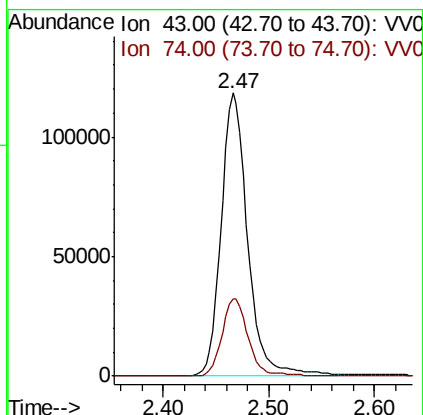
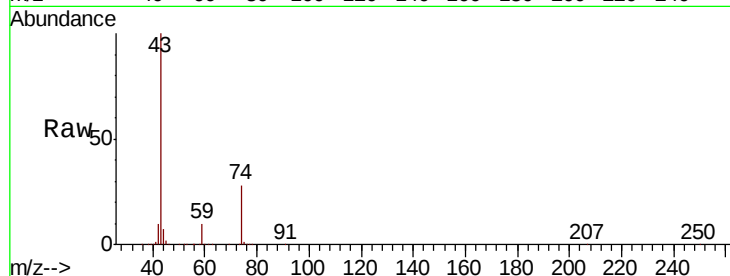




#15
Methyl Acetate
Concen: 47.971 ug/L
RT: 2.47 min Scan# 490
Delta R.T. 0.00 min
Lab File: VV007360.D
Acq: 05 Sep 2018 05:03

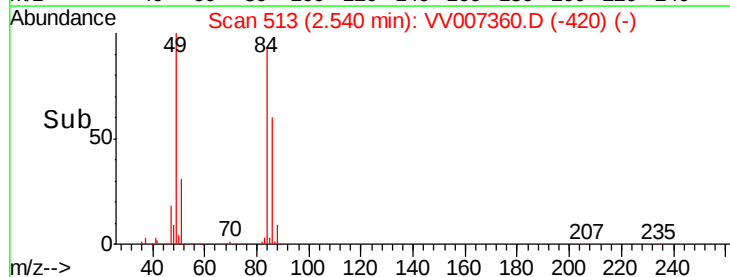
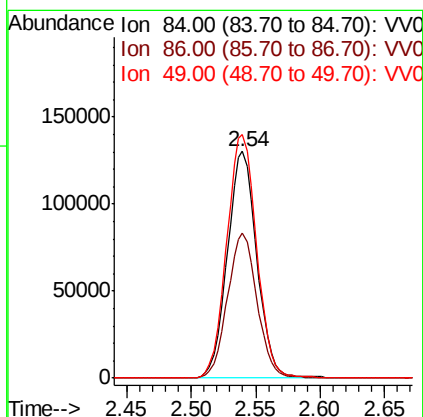
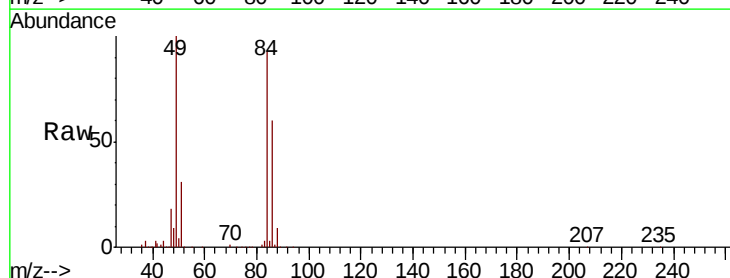
Instrument :
MSVOA_V
ClientSampled :
VSTD05066

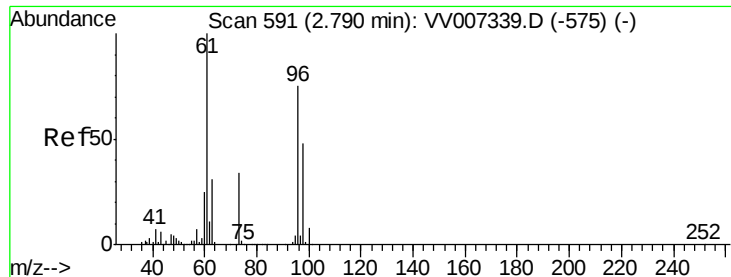
Tgt Ion: 43 Resp: 203662
Ion Ratio Lower Upper
43 100
74 27.3 21.5 32.3



#16
Methylene chloride
Concen: 48.758 ug/L
RT: 2.54 min Scan# 513
Delta R.T. 0.00 min
Lab File: VV007360.D
Acq: 05 Sep 2018 05:03

Tgt Ion: 84 Resp: 206564
Ion Ratio Lower Upper
84 100
86 63.9 45.3 84.1
49 107.3 75.6 140.4





#17

trans-1,2-Dichloroethene

Concen: 48.052 ug/L

RT: 2.79 min Scan# 592

Delta R.T. 0.00 min

Lab File: VV007360.D

Acq: 05 Sep 2018 05:03

Instrument :

MSVOA_V

ClientSampleId :

VSTD05066

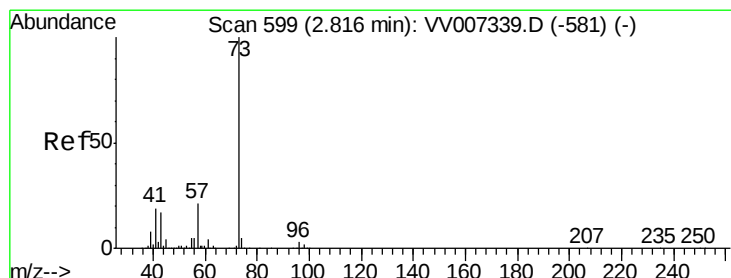
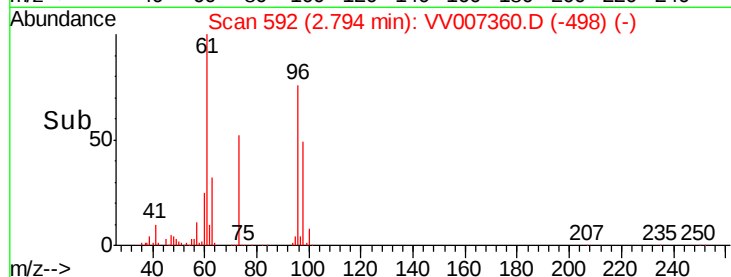
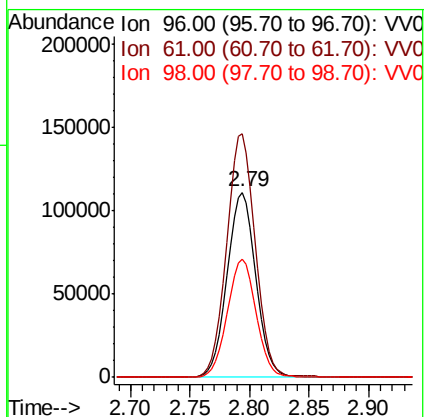
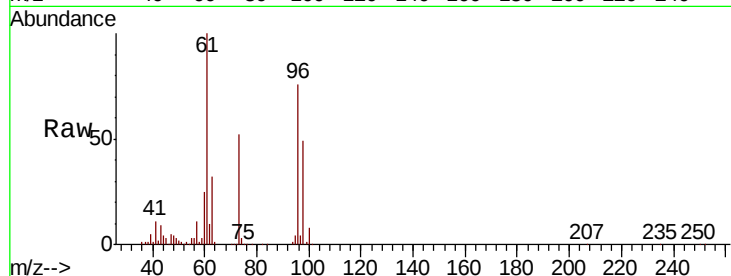
Tgt Ion: 96 Resp: 186749

Ion Ratio Lower Upper

96 100

61 131.4 93.1 172.9

98 64.0 44.9 83.5



#18

Methyl tert-butyl Ether

Concen: 49.205 ug/L

RT: 2.82 min Scan# 599

Delta R.T. 0.00 min

Lab File: VV007360.D

Acq: 05 Sep 2018 05:03

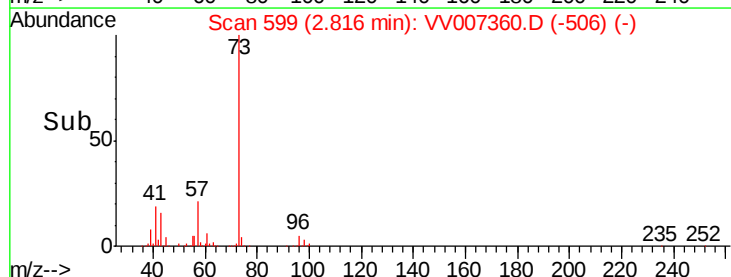
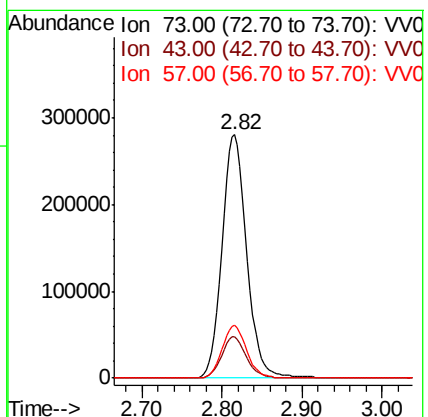
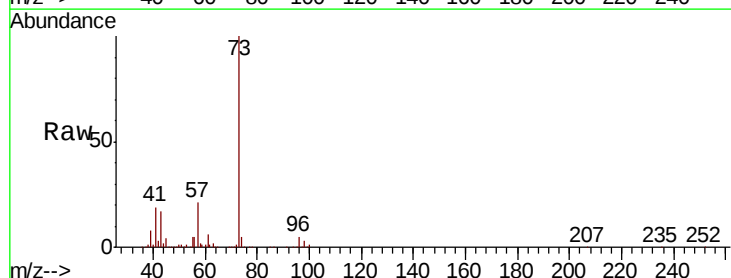
Tgt Ion: 73 Resp: 598905

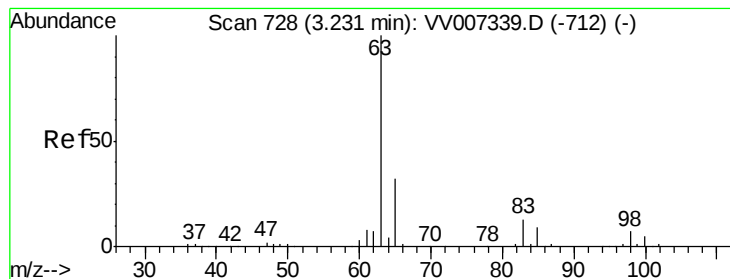
Ion Ratio Lower Upper

73 100

43 16.8 13.4 20.2

57 21.6 17.0 25.4





#19

1,1-Dichloroethane

Concen: 48.736 ug/L

RT: 3.23 min Scan# 728

Delta R.T. 0.00 min

Lab File: VV007360.D

Acq: 05 Sep 2018 05:03

Instrument :

MSVOA_V

ClientSampleId :

VSTD05066

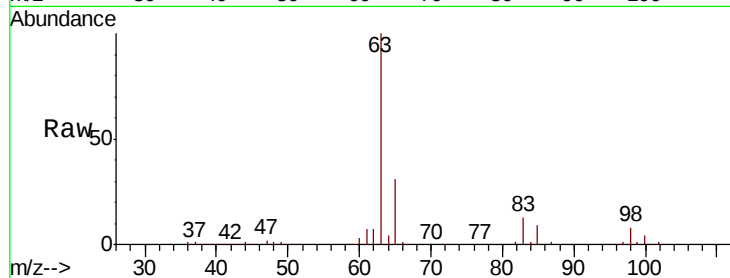
Tgt Ion: 63 Resp: 392284

Ion Ratio Lower Upper

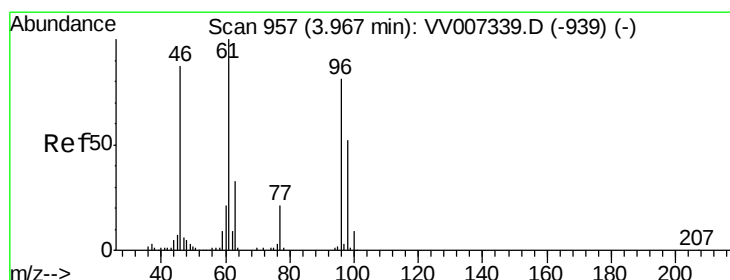
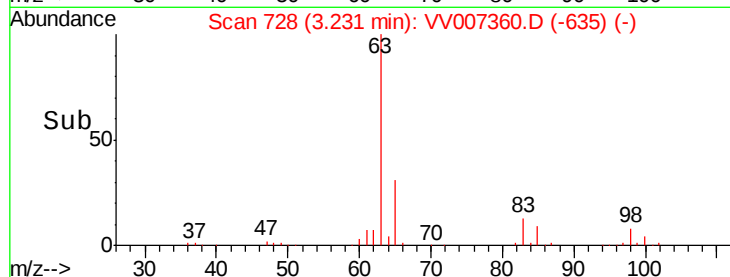
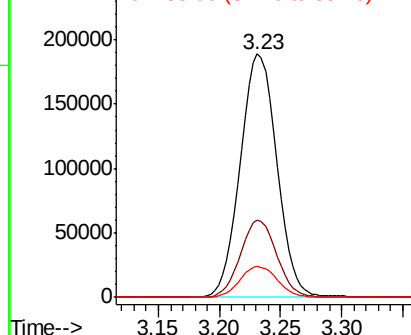
63 100

65 31.5 22.5 41.9

83 12.6 9.0 16.8



Abundance Ion 63.00 (62.70 to 63.70): VV0
Ion 65.00 (64.70 to 65.70): VV0
Ion 83.00 (82.70 to 83.70): VV0



#20

cis-1,2-Dichloroethene

Concen: 48.573 ug/L

RT: 3.97 min Scan# 957

Delta R.T. 0.00 min

Lab File: VV007360.D

Acq: 05 Sep 2018 05:03

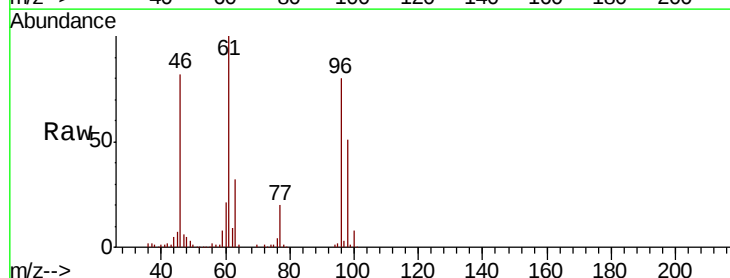
Tgt Ion: 96 Resp: 217235

Ion Ratio Lower Upper

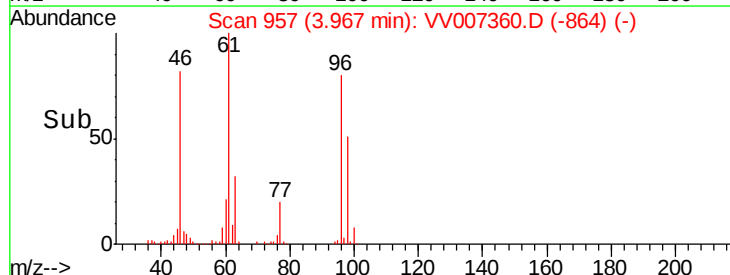
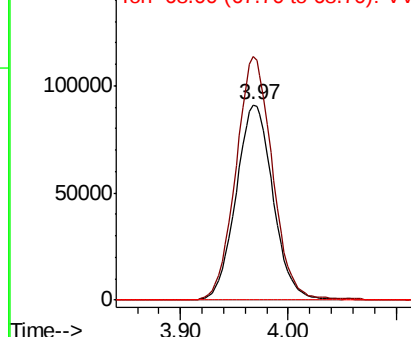
96 100

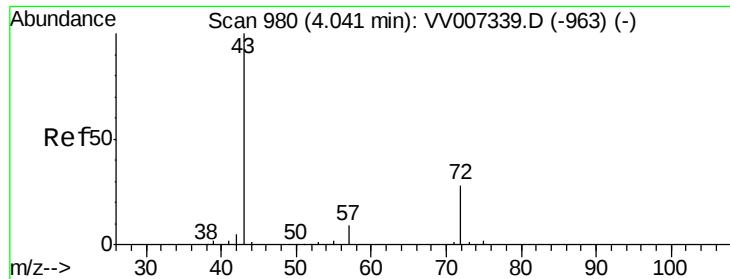
61 124.8 86.8 161.2

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 68.00 (67.70 to 68.70): VV0





#22

2-Butanone

Concen: 94.393 ug/L

RT: 4.04 min Scan# 981

Delta R.T. 0.00 min

Lab File: VV007360.D

Acq: 05 Sep 2018 05:03

Instrument :

MSVOA_V

ClientSampleId :

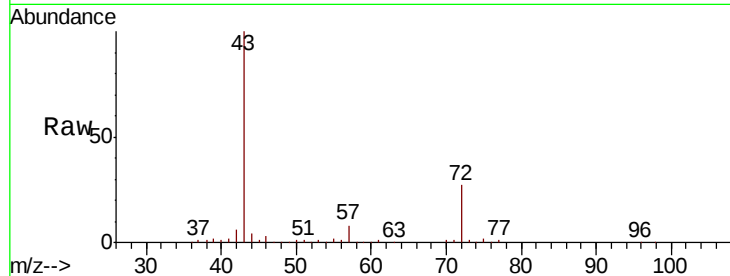
VSTD05066

Tgt Ion: 43 Resp: 308109

Ion Ratio Lower Upper

43 100

72 26.9 13.8 41.3



Abundance Ion 43.00 (42.70 to 43.70): VV007339.D (-963) (-)

Ion 72.00 (71.70 to 72.70): VV007339.D (-963) (-)

4.04

120000

100000

80000

60000

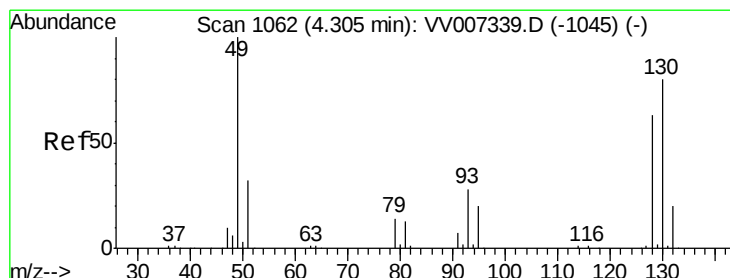
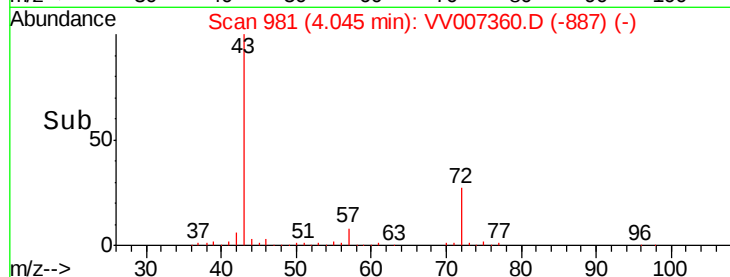
40000

20000

0

Time-->

3.90 4.00 4.10 4.20



#23

Bromochloromethane

Concen: 49.388 ug/L

RT: 4.31 min Scan# 1062

Delta R.T. 0.00 min

Lab File: VV007360.D

Acq: 05 Sep 2018 05:03

Tgt Ion: 128 Resp: 115568

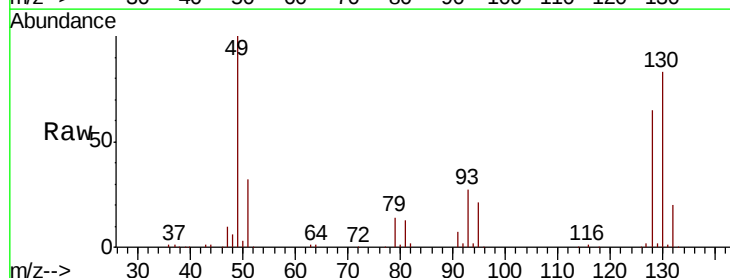
Ion Ratio Lower Upper

128 100

49 154.9 111.2 206.4

130 128.6 89.1 165.5

51 50.0 40.1 60.1



Abundance Ion 128.00 (127.70 to 128.70): VV007339.D (-1045) (-)

Ion 49.00 (48.70 to 49.70): VV007339.D (-1045) (-)

Ion 130.00 (129.70 to 130.70): VV007339.D (-1045) (-)

Ion 51.00 (50.70 to 51.70): VV007339.D (-1045) (-)

120000

100000

80000

60000

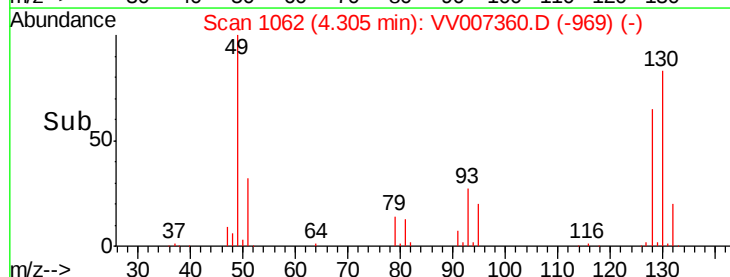
40000

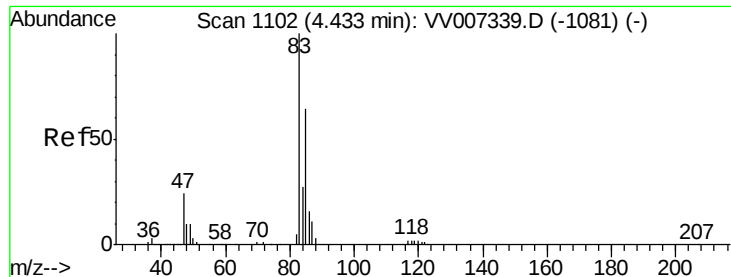
20000

0

Time-->

4.20 4.30 4.40





#25

Chloroform

Concen: 49.223 ug/L

RT: 4.43 min Scan# 1102

Delta R.T. 0.00 min

Lab File: VV007360.D

Acq: 05 Sep 2018 05:03

Instrument :

MSVOA_V

ClientSampleId :

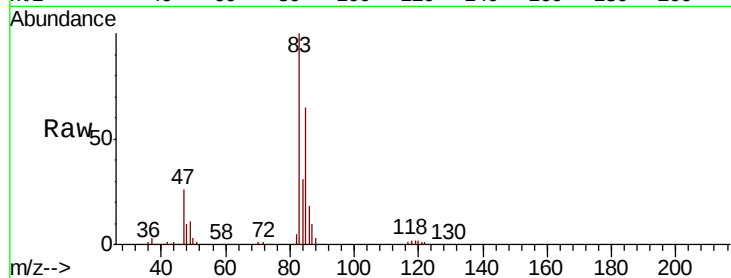
VSTD05066

Tgt Ion: 83 Resp: 389981

Ion Ratio Lower Upper

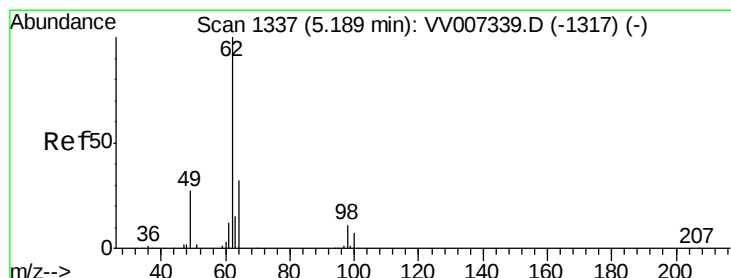
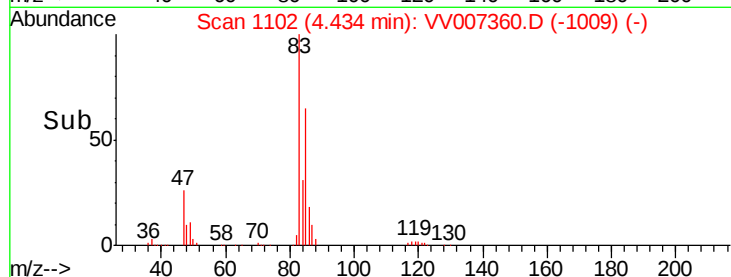
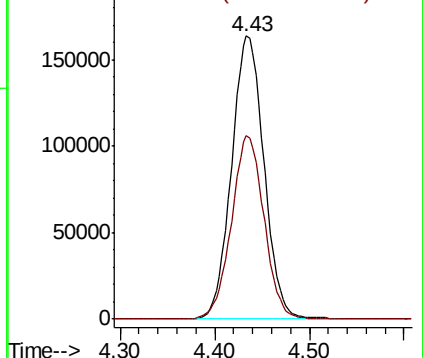
83 100

85 64.7 45.1 83.9



Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0



#27

1,2-Dichloroethane

Concen: 49.044 ug/L

RT: 5.19 min Scan# 1336

Delta R.T. -0.00 min

Lab File: VV007360.D

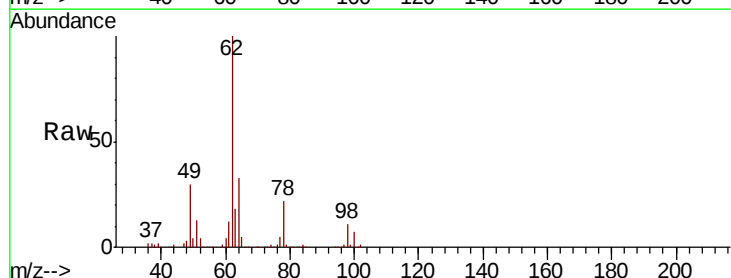
Acq: 05 Sep 2018 05:03

Tgt Ion: 62 Resp: 290942

Ion Ratio Lower Upper

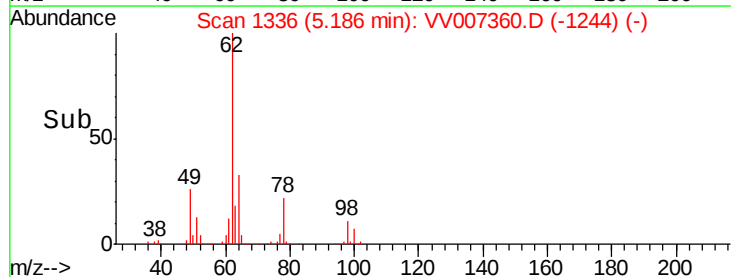
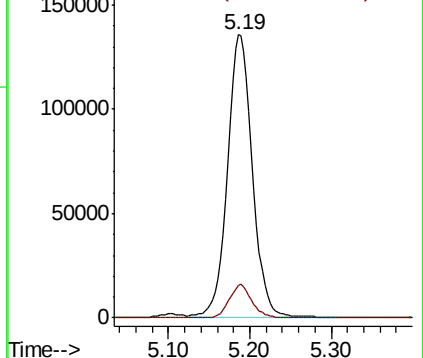
62 100

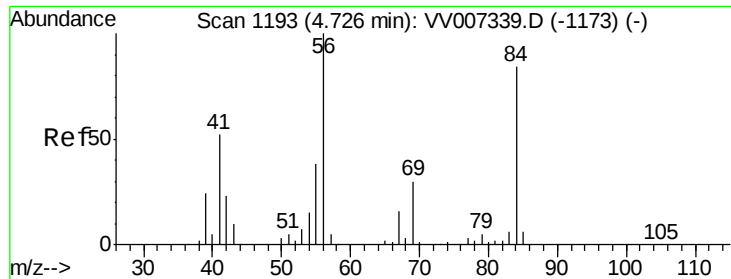
98 11.4 8.6 13.0



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

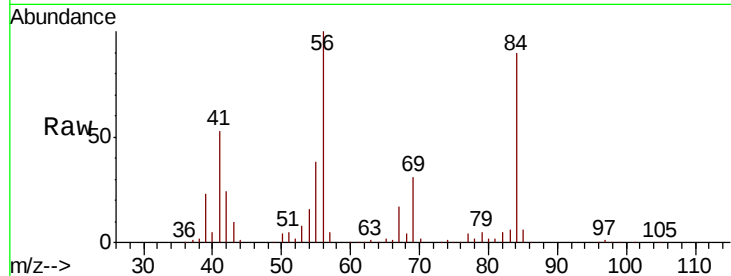




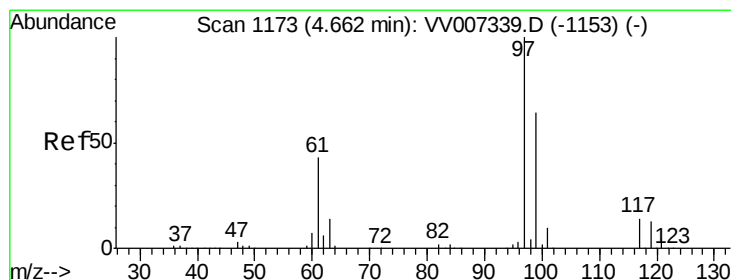
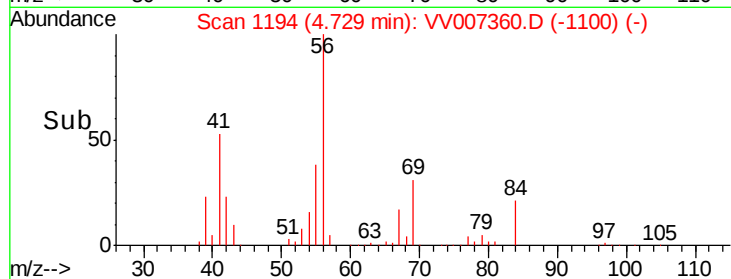
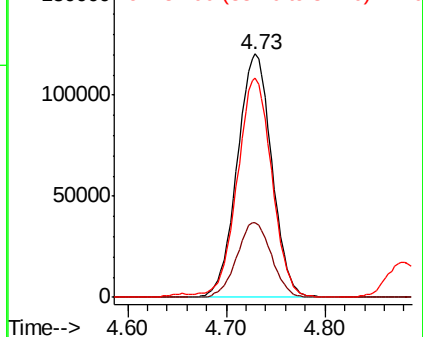
#29
Cyclohexane
Concen: 48.604 ug/L
RT: 4.73 min Scan# 1194
Delta R.T. 0.00 min
Lab File: VV007360.D
Acq: 05 Sep 2018 05:03

Instrument :
MSVOA_V
ClientSampleId :
VSTD05066

Tgt Ion: 56 Resp: 292426
Ion Ratio Lower Upper
56 100
69 30.9 24.5 36.7
84 89.8 70.6 105.8

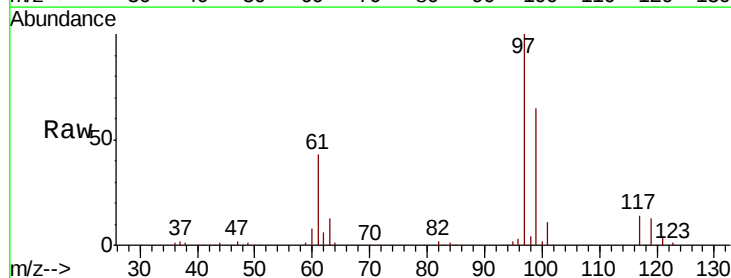


Abundance Ion 56.00 (55.70 to 56.70): VV0
Ion 69.00 (68.70 to 69.70): VV0
Ion 84.00 (83.70 to 84.70): VV0

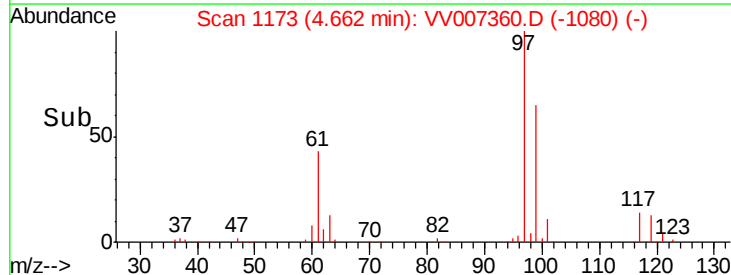
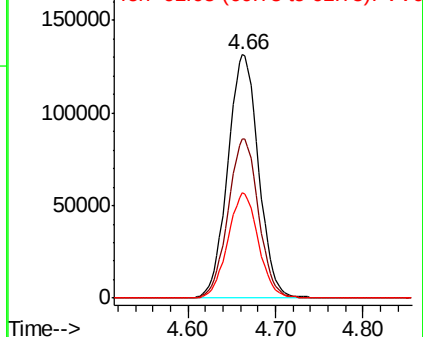


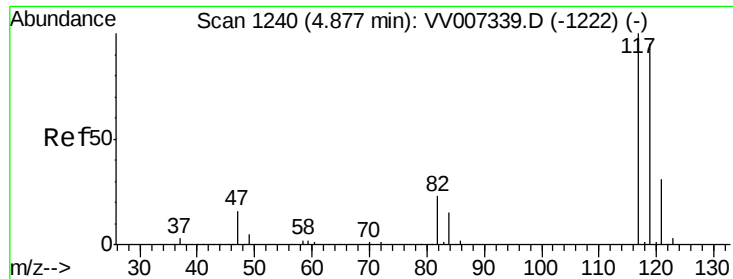
#30
1,1,1-Trichloroethane
Concen: 48.441 ug/L
RT: 4.66 min Scan# 1173
Delta R.T. 0.00 min
Lab File: VV007360.D
Acq: 05 Sep 2018 05:03

Tgt Ion: 97 Resp: 321039
Ion Ratio Lower Upper
97 100
99 64.9 52.1 78.1
61 43.0 34.6 51.8



Abundance Ion 97.00 (96.70 to 97.70): VV0
Ion 99.00 (98.70 to 99.70): VV0
Ion 61.05 (60.75 to 61.75): VV0

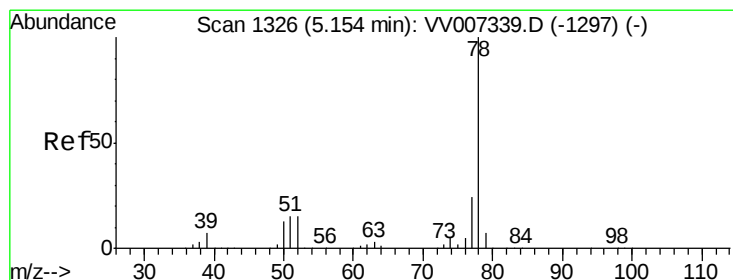
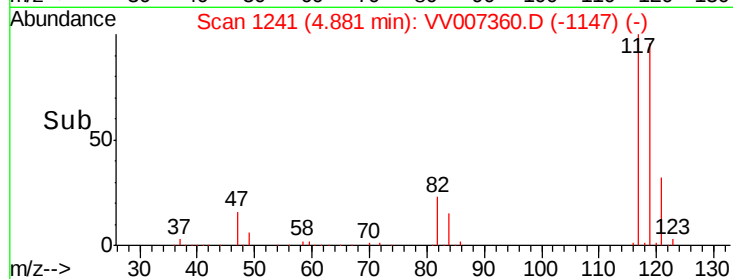
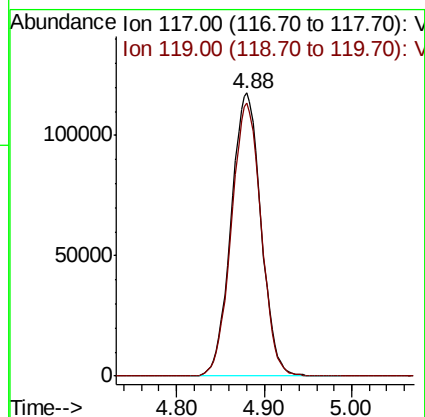
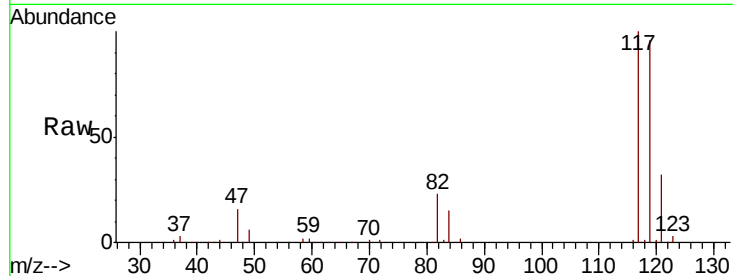




#31
Carbon tetrachloride
Concen: 48.690 ug/L
RT: 4.88 min Scan# 1241
Delta R.T. 0.00 min
Lab File: VV007360.D
Acq: 05 Sep 2018 05:03

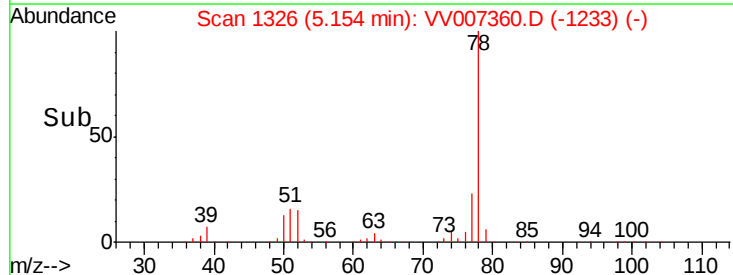
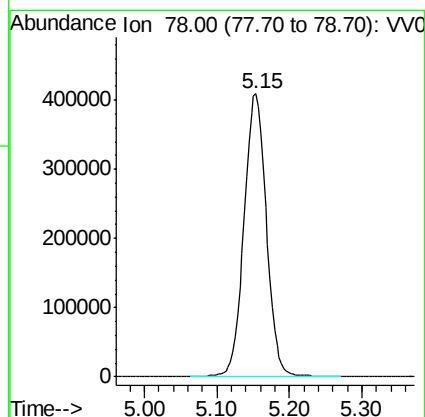
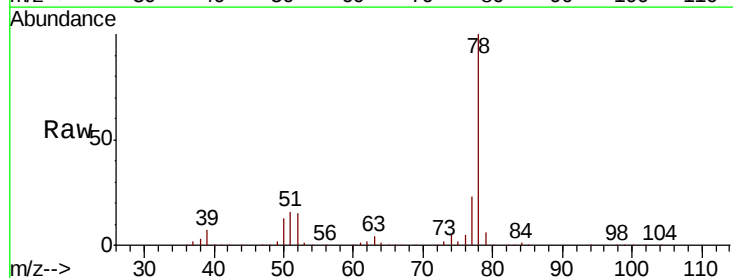
Instrument :
MSVOA_V
ClientSampled :
VSTD05066

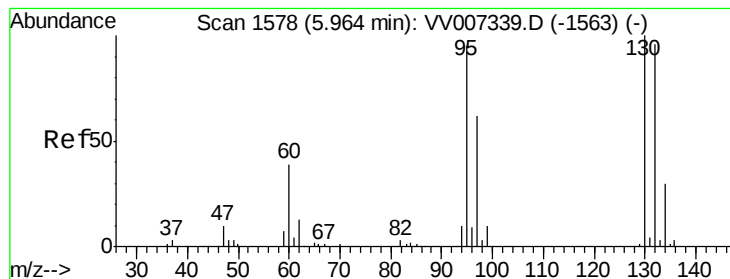
Tgt Ion:117 Resp: 279320
Ion Ratio Lower Upper
117 100
119 95.9 76.7 115.1



#33
Benzene
Concen: 50.805 ug/L
RT: 5.15 min Scan# 1326
Delta R.T. 0.00 min
Lab File: VV007360.D
Acq: 05 Sep 2018 05:03

Tgt Ion: 78 Resp: 881899





#34

Trichloroethene

Concen: 48.584 ug/L

RT: 5.96 min Scan# 1578

Delta R.T. 0.00 min

Lab File: VV007360.D

Acq: 05 Sep 2018 05:03

Instrument :

MSVOA_V

ClientSampleId :

VSTD05066

Tgt Ion: 95 Resp: 205881

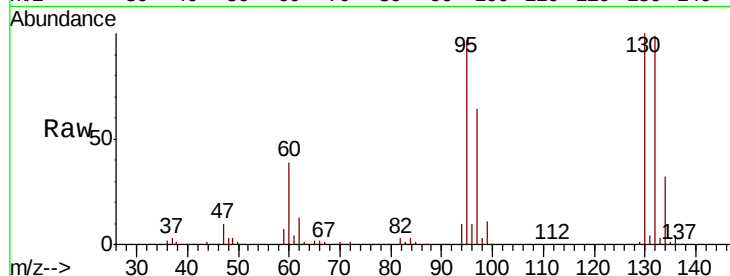
Ion Ratio Lower Upper

95 100

97 65.5 46.1 85.7

132 101.7 70.8 131.6

130 102.9 73.9 137.3

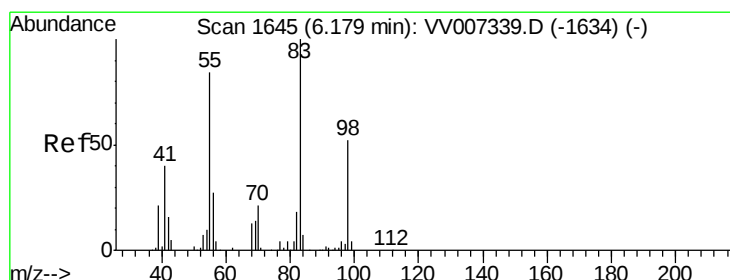
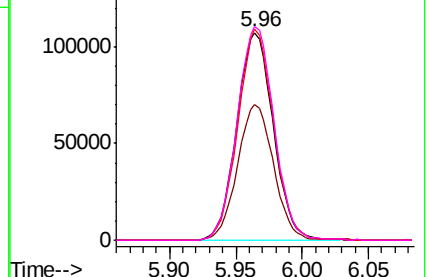
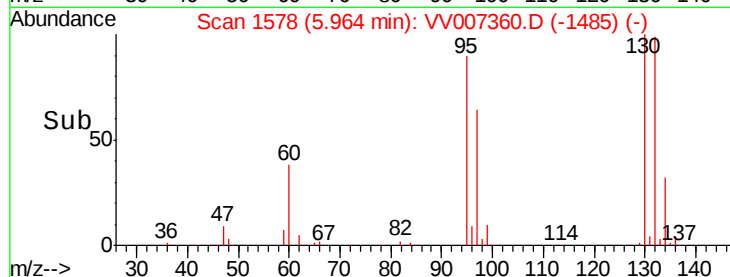


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): VV0

Ion 130.00 (129.70 to 130.70): VV0



#35

Methylcyclohexane

Concen: 49.336 ug/L

RT: 6.18 min Scan# 1645

Delta R.T. 0.00 min

Lab File: VV007360.D

Acq: 05 Sep 2018 05:03

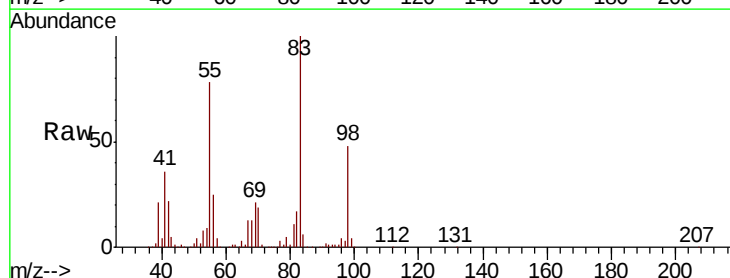
Tgt Ion: 83 Resp: 311753

Ion Ratio Lower Upper

83 100

55 78.4 63.0 94.4

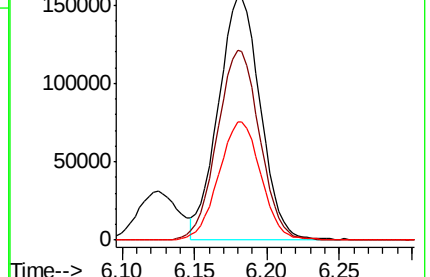
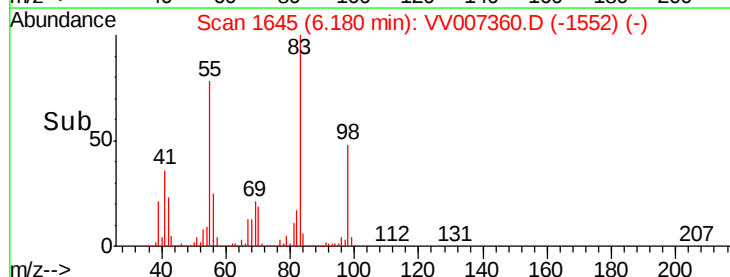
98 49.2 39.0 58.6

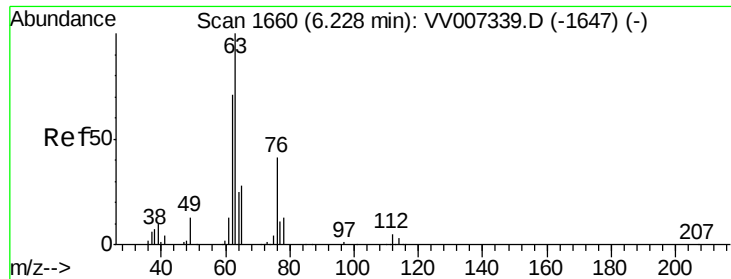


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0





#37

1,2-Dichloropropane

Concen: 50.015 ug/L

RT: 6.23 min Scan# 1660

Delta R.T. 0.00 min

Lab File: VV007360.D

Acq: 05 Sep 2018 05:03

Instrument :

MSVOA_V

ClientSampled :

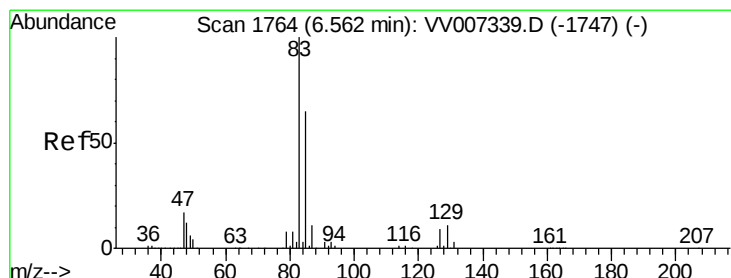
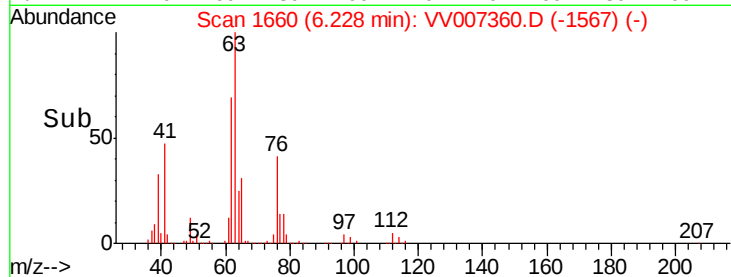
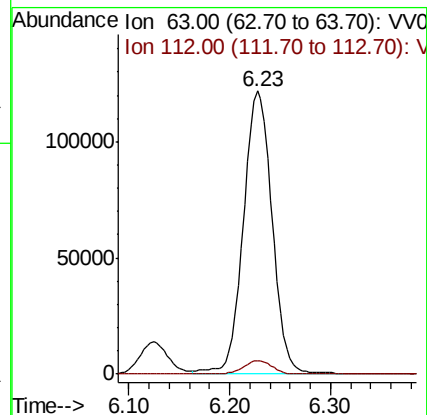
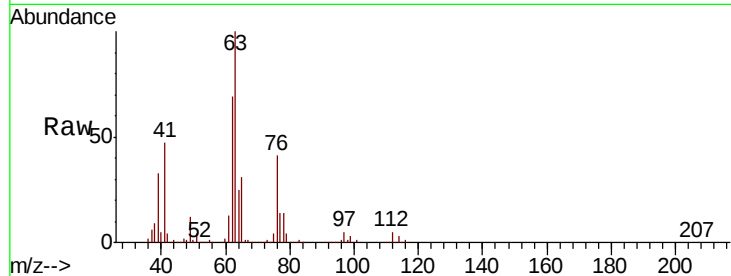
VSTD05066

Tgt Ion: 63 Resp: 238592

Ion Ratio Lower Upper

63 100

112 4.9 3.8 5.8



#38

Bromodichloromethane

Concen: 48.437 ug/L

RT: 6.56 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VV007360.D

Acq: 05 Sep 2018 05:03

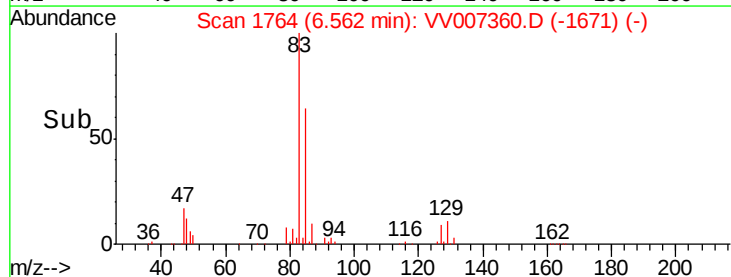
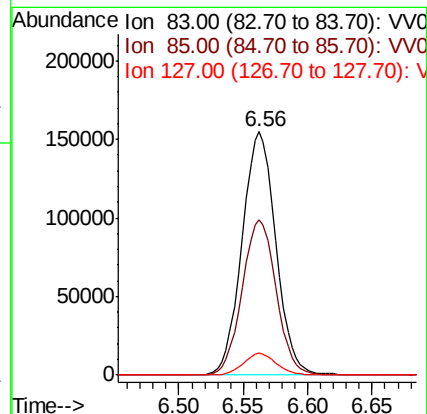
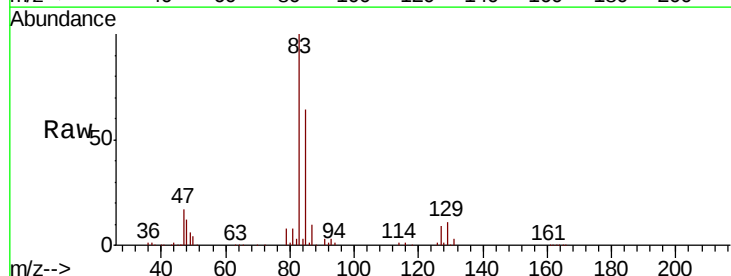
Tgt Ion: 83 Resp: 282140

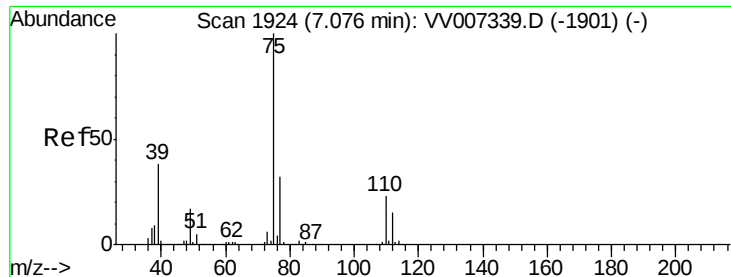
Ion Ratio Lower Upper

83 100

85 64.0 45.1 83.9

127 8.9 6.9 10.3

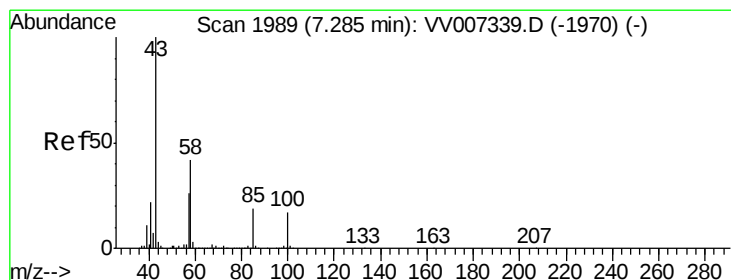
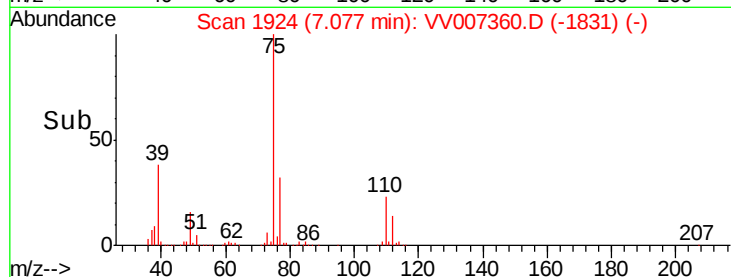
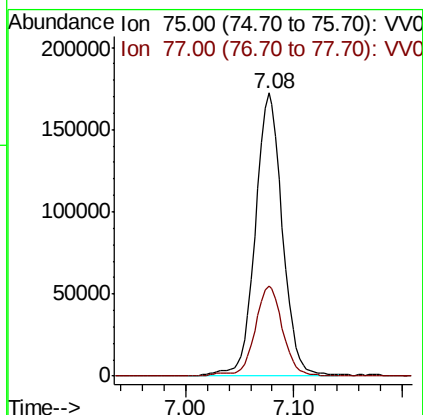
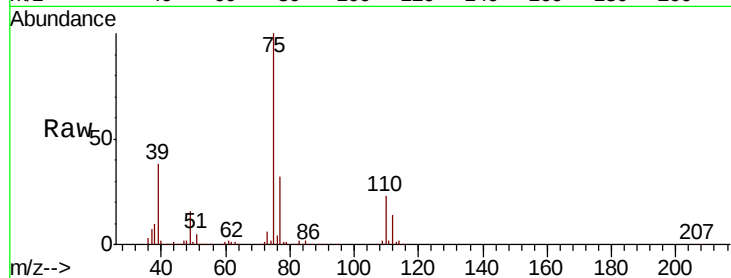




#39
 cis-1,3-Dichloropropene
 Concen: 46.778 ug/L
 RT: 7.08 min Scan# 1924
 Delta R.T. 0.00 min
 Lab File: VV007360.D
 Acq: 05 Sep 2018 05:03

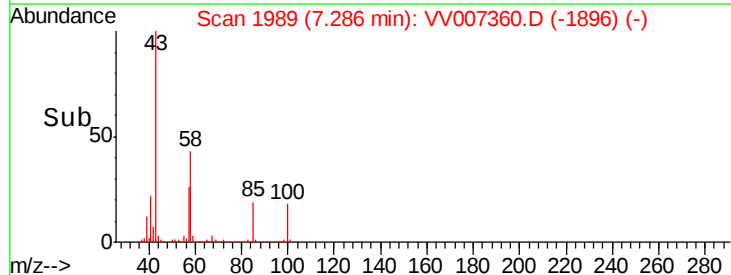
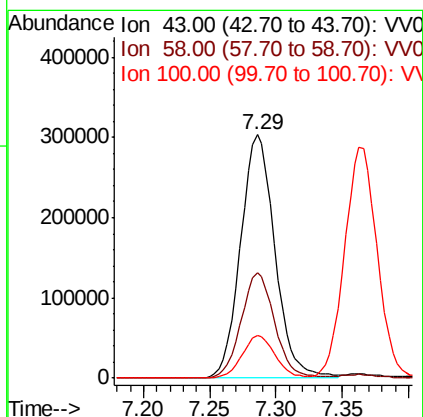
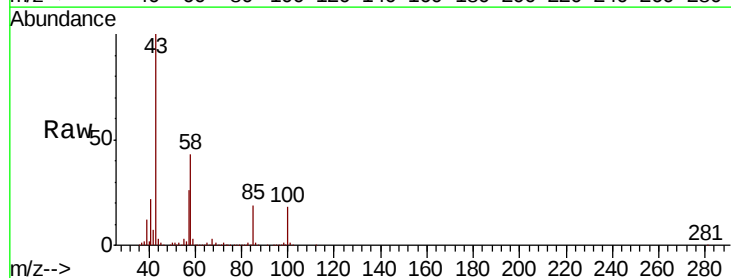
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05066

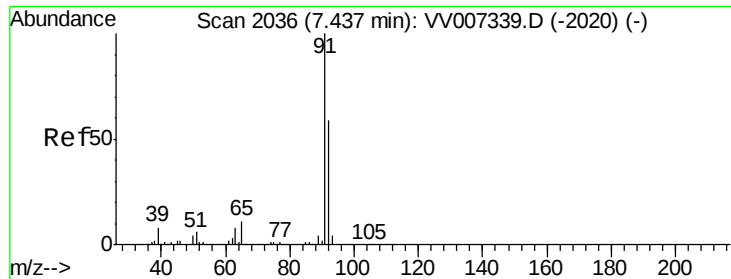
Tgt Ion: 75 Resp: 299651
 Ion Ratio Lower Upper
 75 100
 77 32.0 22.1 41.1



#40
 4-Methyl-2-pentanone
 Concen: 99.364 ug/L
 RT: 7.29 min Scan# 1989
 Delta R.T. 0.00 min
 Lab File: VV007360.D
 Acq: 05 Sep 2018 05:03

Tgt Ion: 43 Resp: 547591
 Ion Ratio Lower Upper
 43 100
 58 42.2 32.9 49.3
 100 16.9 13.3 19.9





#42

Toluene

Concen: 53.257 ug/L

RT: 7.44 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VV007360.D

Acq: 05 Sep 2018 05:03

Instrument :

MSVOA_V

ClientSampleId :

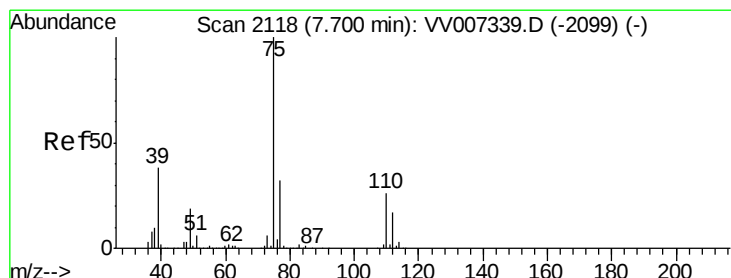
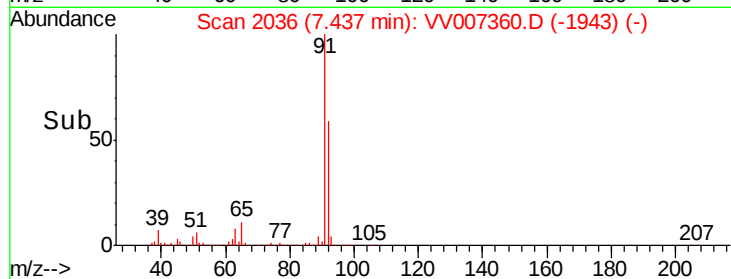
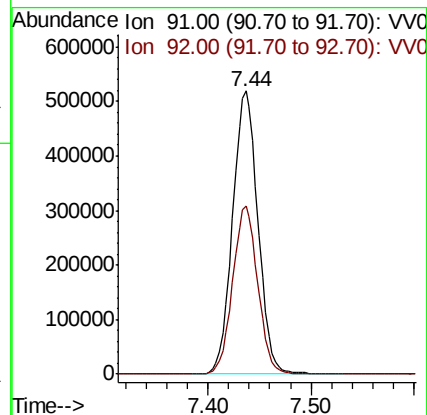
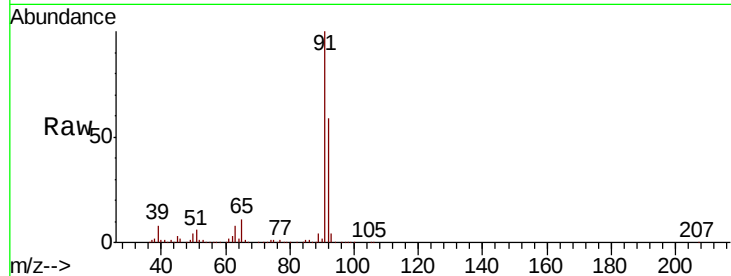
VSTD05066

Tgt Ion: 91 Resp: 889344

Ion Ratio Lower Upper

91 100

92 59.4 41.3 76.7



#44

trans-1,3-Dichloropropene

Concen: 47.648 ug/L

RT: 7.70 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VV007360.D

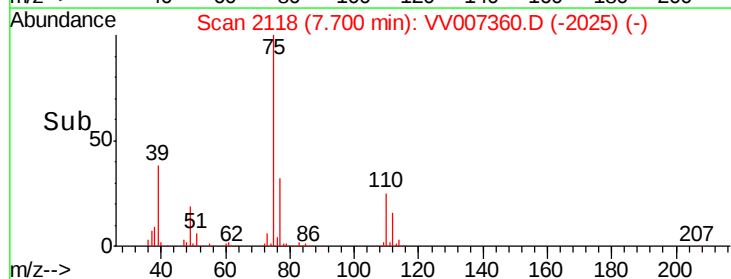
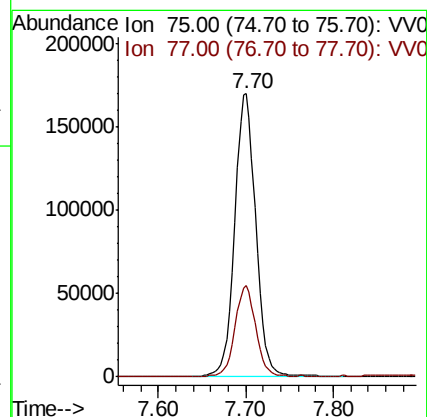
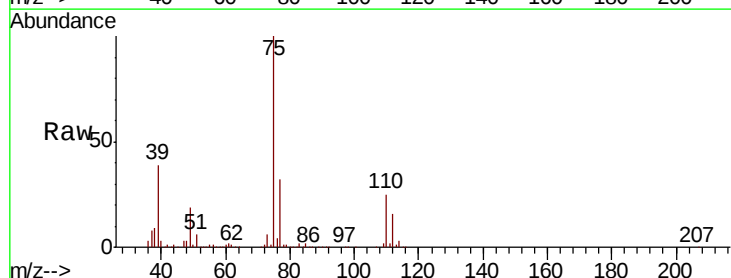
Acq: 05 Sep 2018 05:03

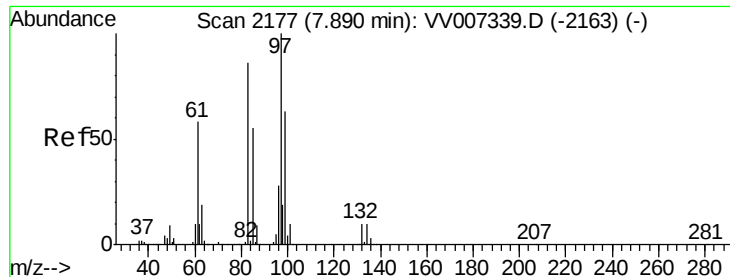
Tgt Ion: 75 Resp: 285399

Ion Ratio Lower Upper

75 100

77 32.3 22.5 41.7

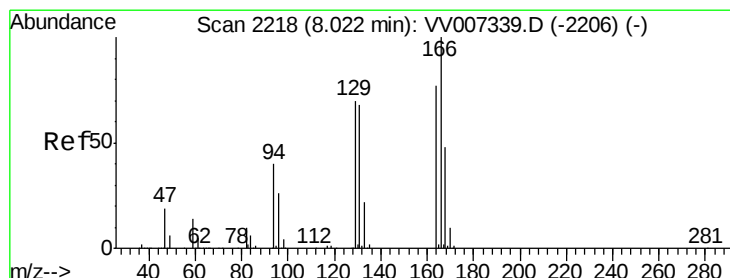
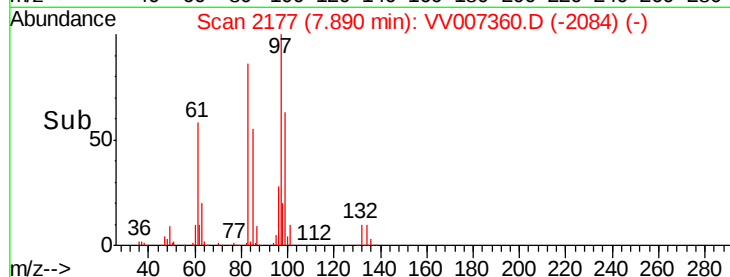
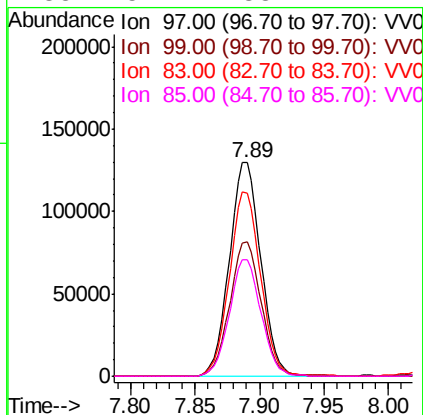
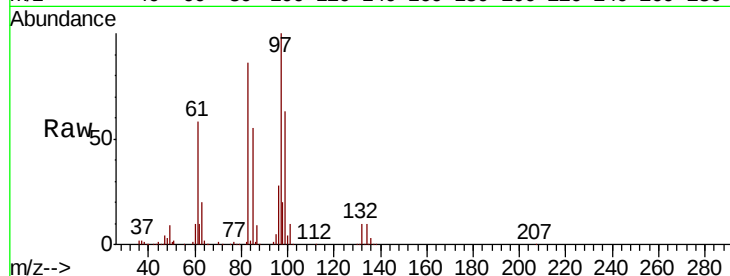




#45
 1,1,2-Trichloroethane
 Concen: 48.829 ug/L
 RT: 7.89 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VV007360.D
 Acq: 05 Sep 2018 05:03

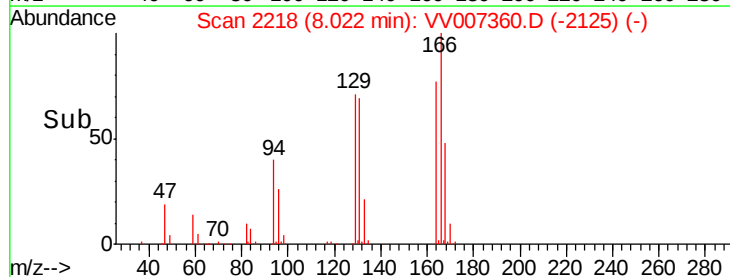
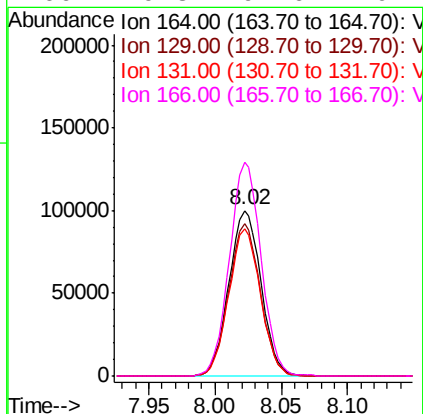
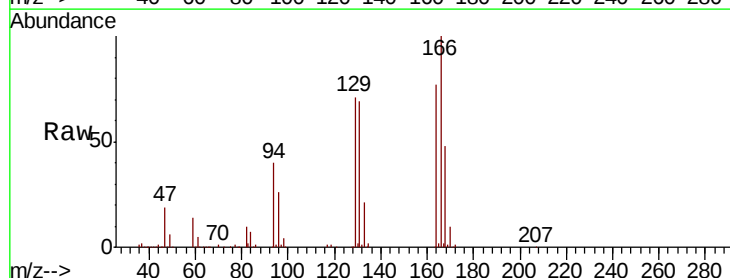
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05066

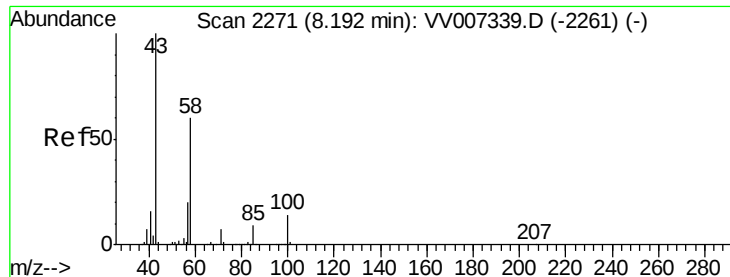
Tgt Ion:	97	Resp:	219849
Ion	Ratio	Lower	Upper
97	100		
99	62.8	44.0	81.6
83	85.7	60.1	111.5
85	54.7	38.4	71.2



#46
 Tetrachloroethene
 Concen: 49.482 ug/L
 RT: 8.02 min Scan# 2218
 Delta R.T. 0.00 min
 Lab File: VV007360.D
 Acq: 05 Sep 2018 05:03

Tgt Ion:	164	Resp:	168609
Ion	Ratio	Lower	Upper
164	100		
129	92.0	63.9	118.7
131	89.4	62.6	116.2
166	129.3	91.6	170.2

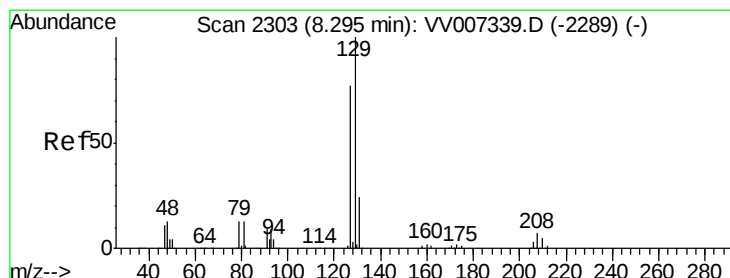
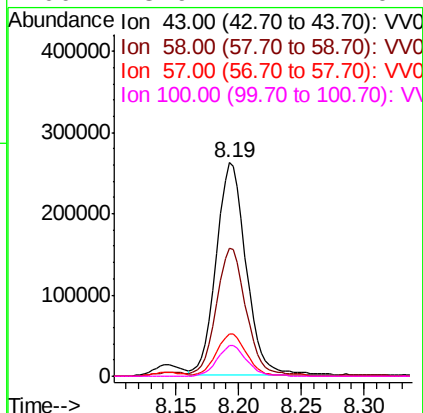
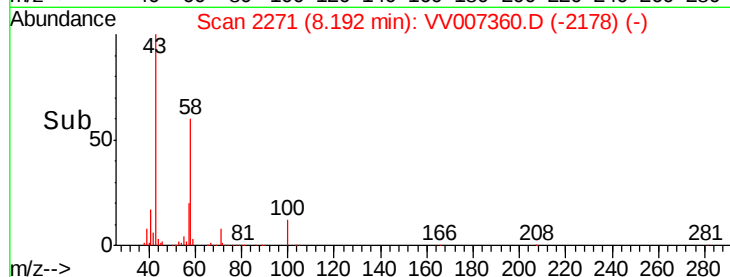
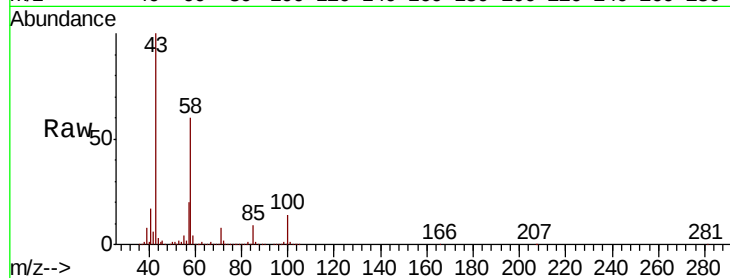




#48
2-Hexanone
Concen: 100.098 ug/L
RT: 8.19 min Scan# 2271
Delta R.T. 0.00 min
Lab File: VV007360.D
Acq: 05 Sep 2018 05:03

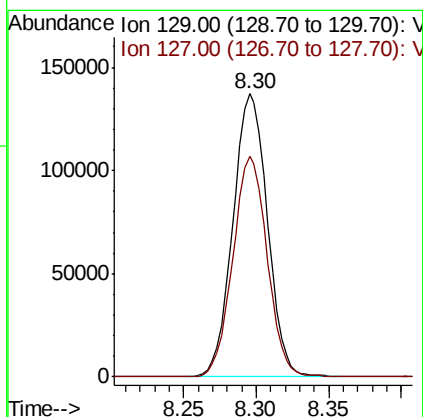
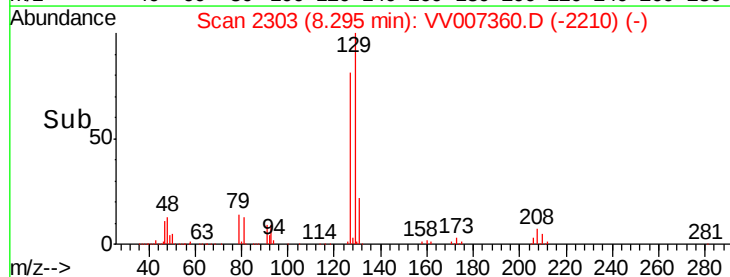
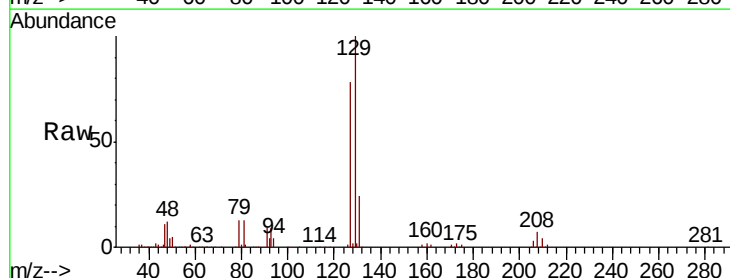
Instrument :
MSVOA_V
ClientSampleId :
VSTD05066

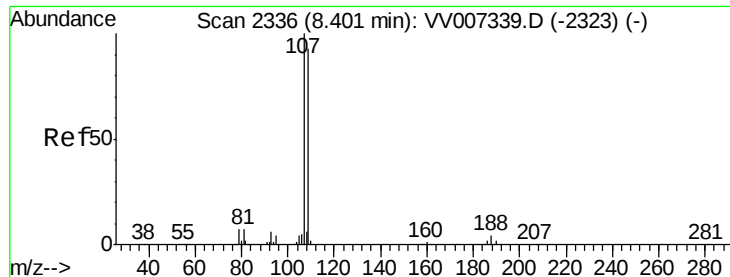
Tgt Ion: 43 Resp: 430208
Ion Ratio Lower Upper
43 100
58 59.7 48.6 72.8
57 20.0 16.2 24.2
100 13.9 11.1 16.7



#49
Dibromochloromethane
Concen: 49.080 ug/L
RT: 8.30 min Scan# 2303
Delta R.T. 0.00 min
Lab File: VV007360.D
Acq: 05 Sep 2018 05:03

Tgt Ion: 129 Resp: 226662
Ion Ratio Lower Upper
129 100
127 77.9 54.0 100.4

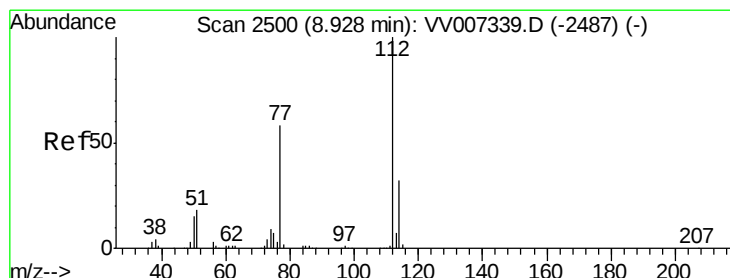
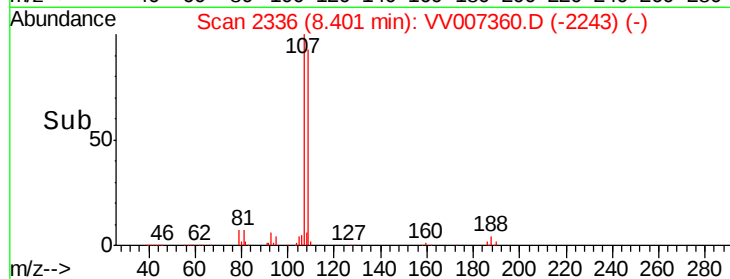
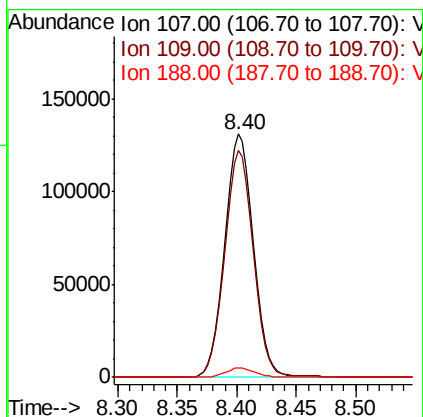
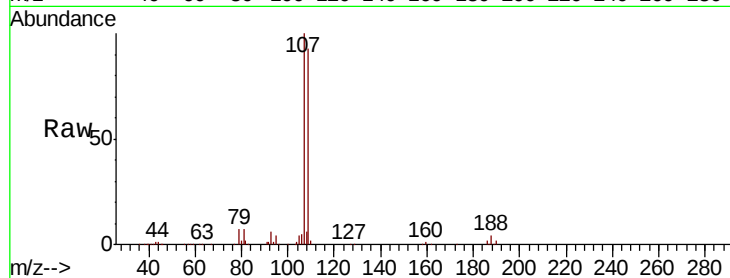




#50
1,2-Dibromoethane
Concen: 49.829 ug/L
RT: 8.40 min Scan# 2336
Delta R.T. 0.00 min
Lab File: VV007360.D
Acq: 05 Sep 2018 05:03

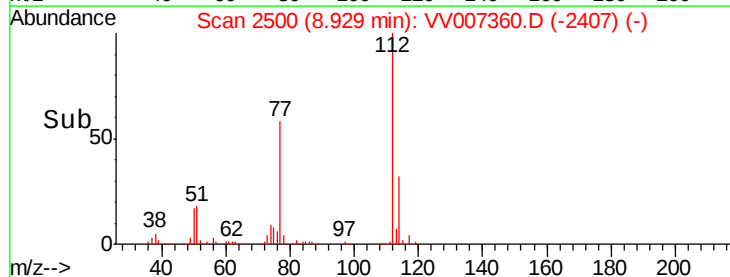
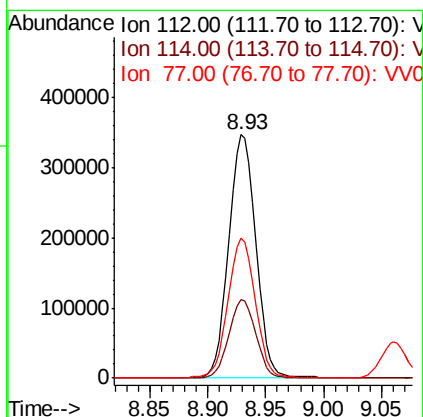
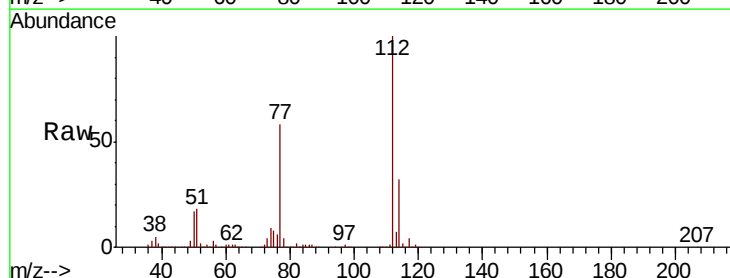
Instrument :
MSVOA_V
ClientSampleId :
VSTD05066

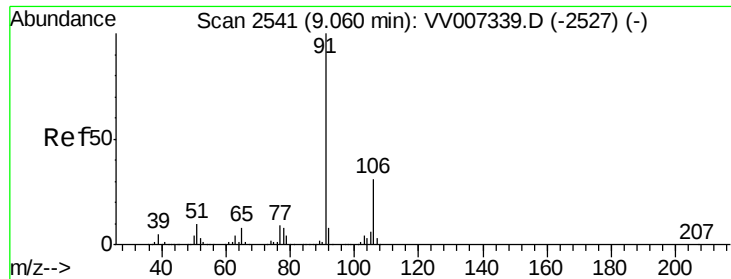
Tgt Ion	Ratio	Lower	Upper
107	100		
109	93.5	64.8	120.3
188	4.1	3.1	4.7



#51
Chlorobenzene
Concen: 49.790 ug/L
RT: 8.93 min Scan# 2500
Delta R.T. 0.00 min
Lab File: VV007360.D
Acq: 05 Sep 2018 05:03

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.1	22.5	41.7
77	57.6	46.5	69.7





#52

Ethylbenzene

Concen: 52.615 ug/L

RT: 9.06 min Scan# 2541

Delta R.T. 0.00 min

Lab File: VV007360.D

Acq: 05 Sep 2018 05:03

Instrument :

MSVOA_V

ClientSampleId :

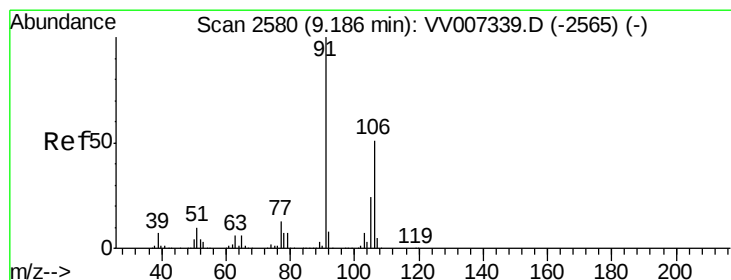
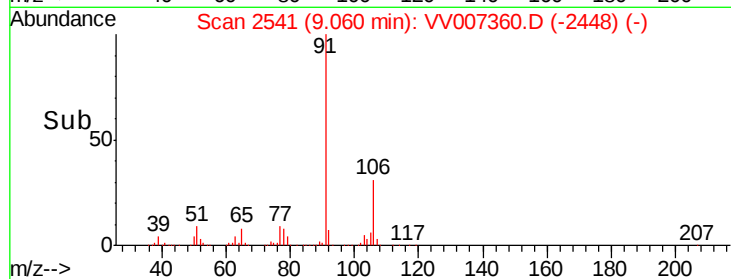
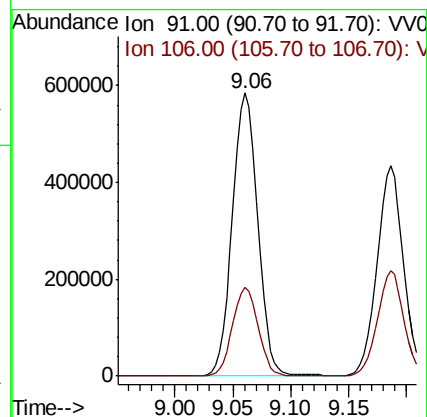
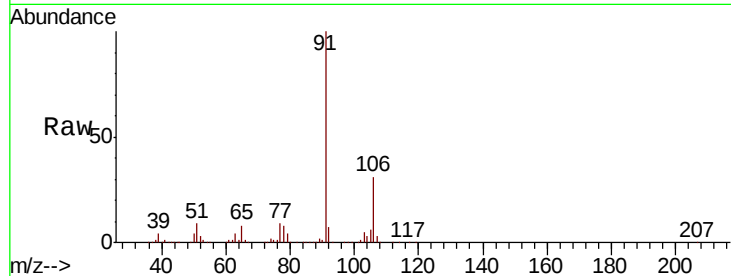
VSTD05066

Tgt Ion: 91 Resp: 891006

Ion Ratio Lower Upper

91 100

106 31.2 21.8 40.4



#53

m,p-Xylene

Concen: 53.352 ug/L

RT: 9.19 min Scan# 2580

Delta R.T. 0.00 min

Lab File: VV007360.D

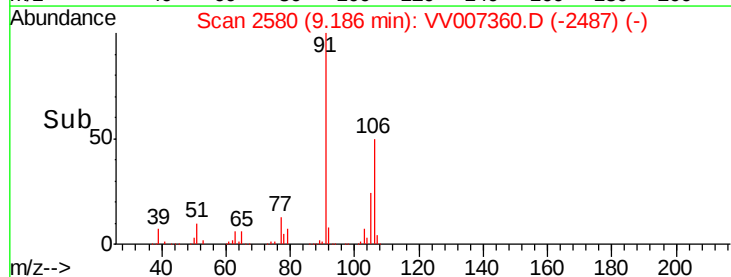
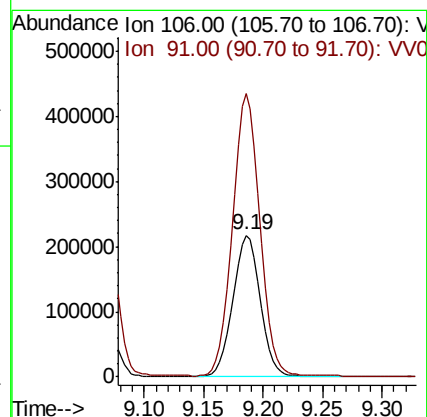
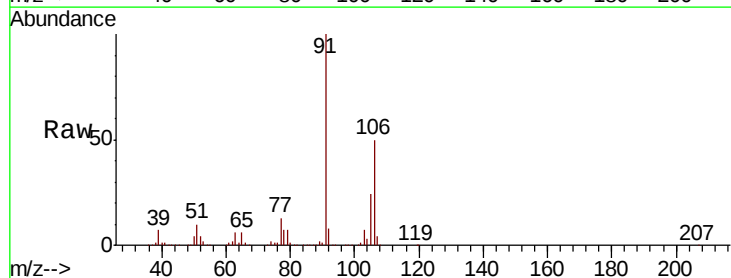
Acq: 05 Sep 2018 05:03

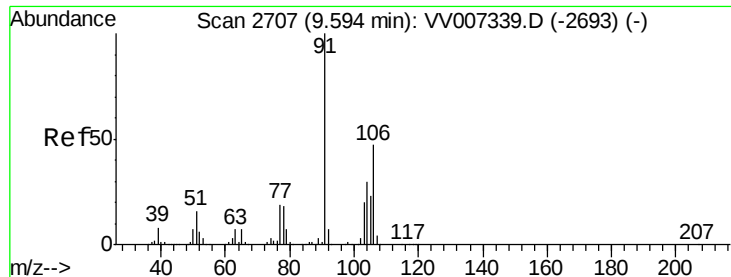
Tgt Ion: 106 Resp: 345903

Ion Ratio Lower Upper

106 100

91 199.8 138.0 256.2





#54

o-xylene

Concen: 53.266 ug/L

RT: 9.59 min Scan# 2706

Delta R.T. -0.00 min

Lab File: VV007360.D

Acq: 05 Sep 2018 05:03

Instrument :

MSVOA_V

ClientSampleId :

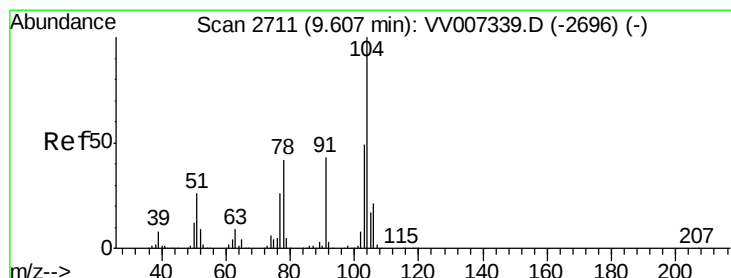
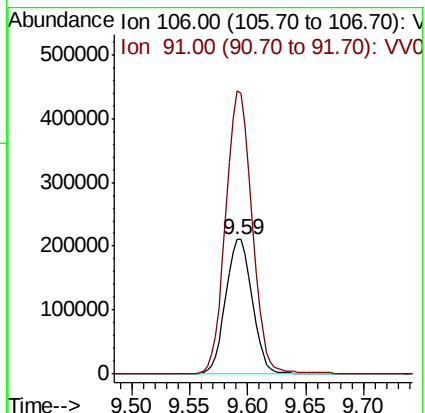
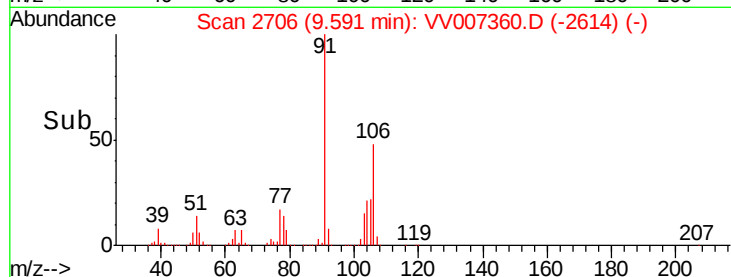
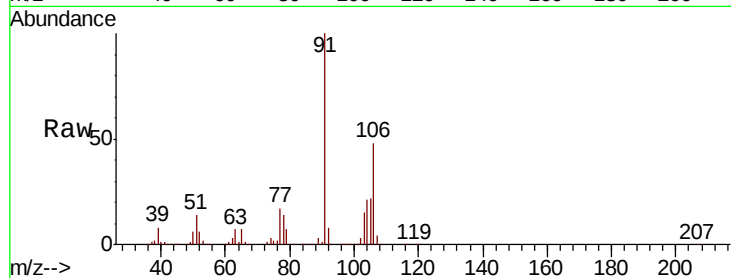
VSTD05066

Tgt Ion:106 Resp: 335813

Ion Ratio Lower Upper

106 100

91 210.2 147.6 274.2



#55

Styrene

Concen: 56.313 ug/L

RT: 9.61 min Scan# 2712

Delta R.T. 0.00 min

Lab File: VV007360.D

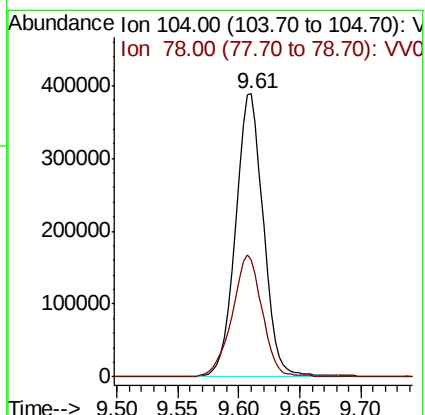
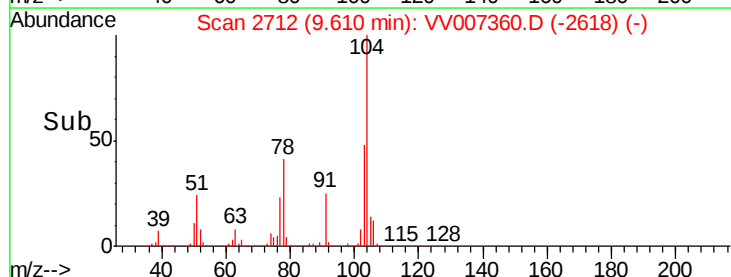
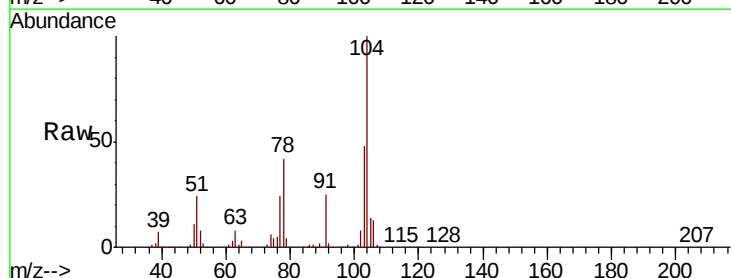
Acq: 05 Sep 2018 05:03

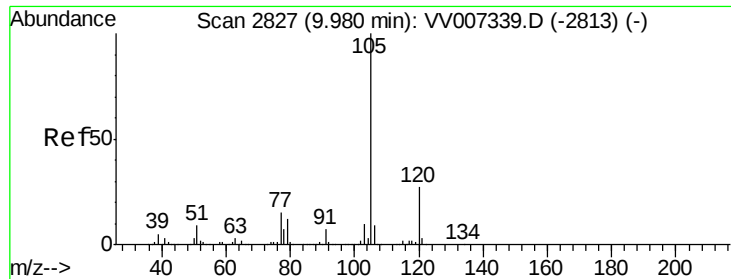
Tgt Ion:104 Resp: 614984

Ion Ratio Lower Upper

104 100

78 41.5 29.8 55.3





#56

Isopropylbenzene

Concen: 53.672 ug/L

RT: 9.98 min Scan# 2827

Delta R.T. 0.00 min

Lab File: VV007360.D

Acq: 05 Sep 2018 05:03

Instrument :

MSVOA_V

ClientSampleId :

VSTD05066

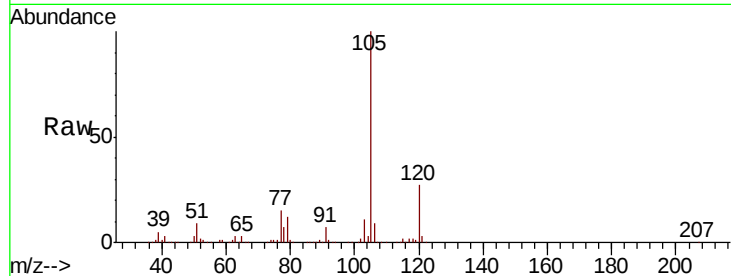
Tgt Ion: 105 Resp: 855814

Ion Ratio Lower Upper

105 100

120 26.4 21.4 32.0

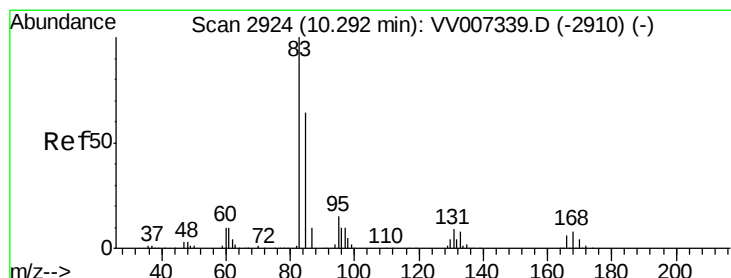
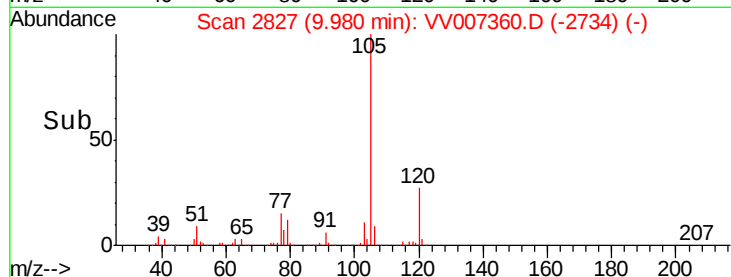
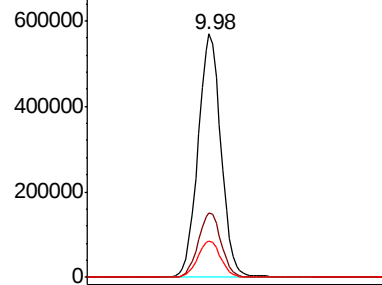
77 15.1 12.0 18.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 48.820 ug/L

RT: 10.29 min Scan# 2924

Delta R.T. 0.00 min

Lab File: VV007360.D

Acq: 05 Sep 2018 05:03

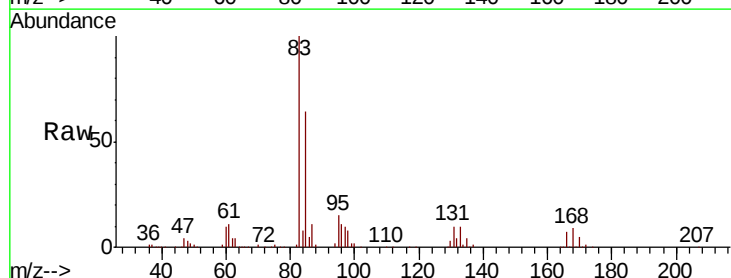
Tgt Ion: 83 Resp: 347676

Ion Ratio Lower Upper

83 100

85 64.2 44.7 82.9

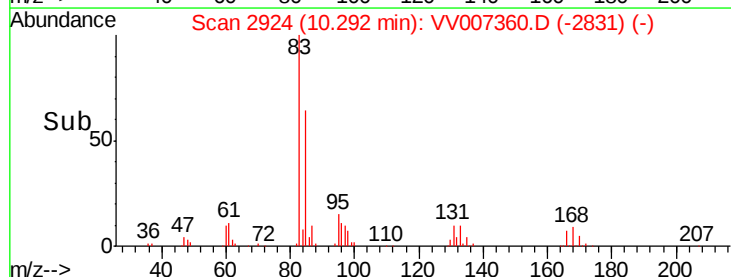
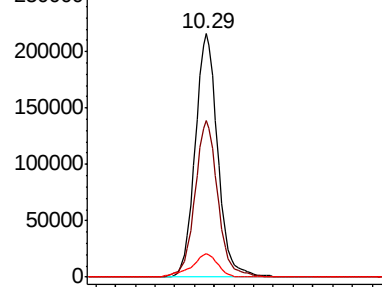
131 9.6 7.8 11.6

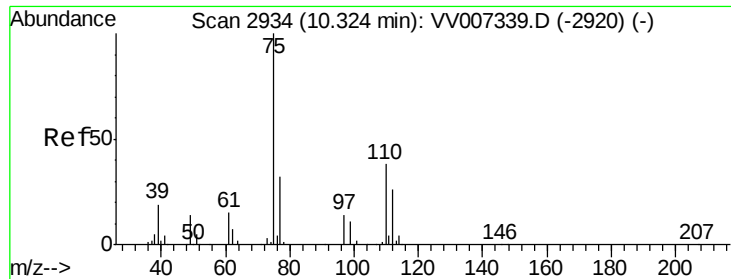


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 49.421 ug/L

RT: 10.32 min Scan# 2934

Delta R.T. 0.00 min

Lab File: VV007360.D

Acq: 05 Sep 2018 05:03

Instrument :

MSVOA_V

ClientSampleId :

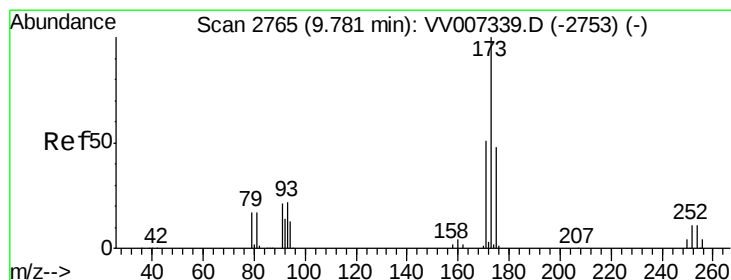
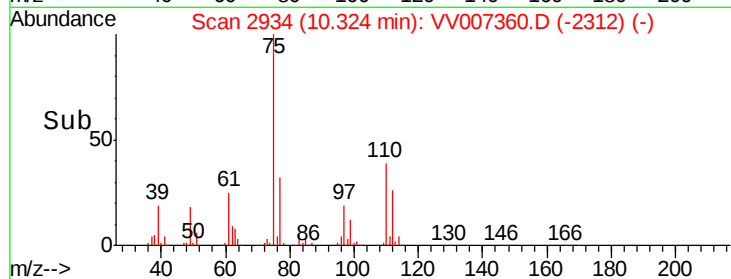
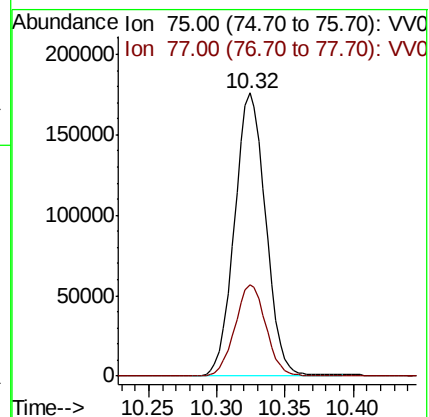
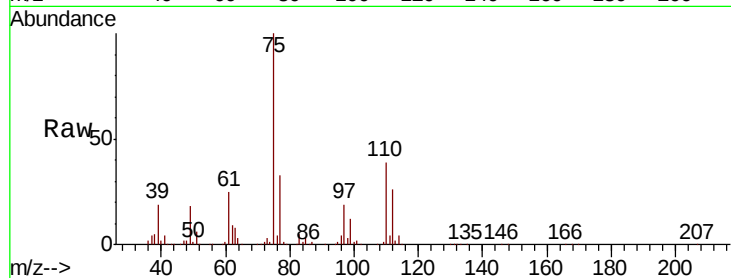
VSTD05066

Tgt Ion: 75 Resp: 280394

Ion Ratio Lower Upper

75 100

77 32.1 25.5 38.3



#61

Bromoform

Concen: 47.085 ug/L

RT: 9.78 min Scan# 2765

Delta R.T. 0.00 min

Lab File: VV007360.D

Acq: 05 Sep 2018 05:03

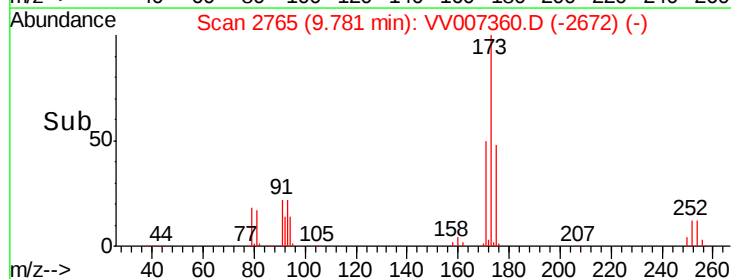
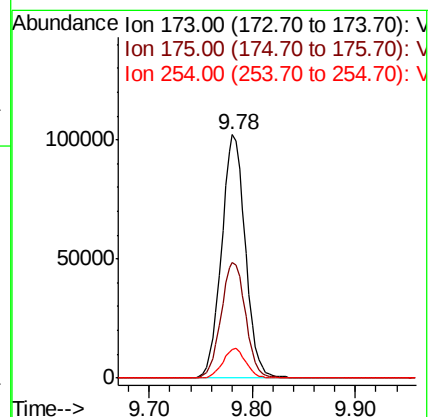
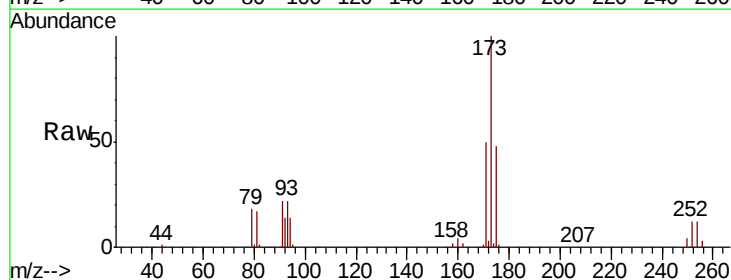
Tgt Ion: 173 Resp: 163785

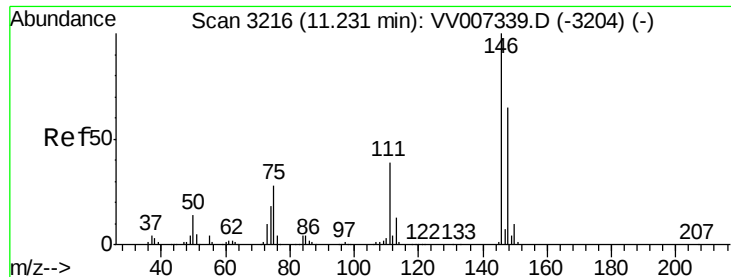
Ion Ratio Lower Upper

173 100

175 48.8 39.0 58.6

254 11.9 9.3 13.9





#62

1,3-Dichlorobenzene

Concen: 49.316 ug/L

RT: 11.23 min Scan# 3216

Delta R.T. 0.00 min

Lab File: VV007360.D

Acq: 05 Sep 2018 05:03

Instrument :

MSVOA_V

ClientSampleId :

VSTD05066

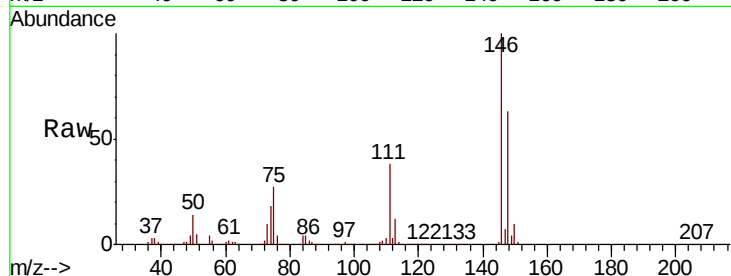
Tgt Ion:146 Resp: 382693

Ion Ratio Lower Upper

146 100

111 38.0 27.5 51.1

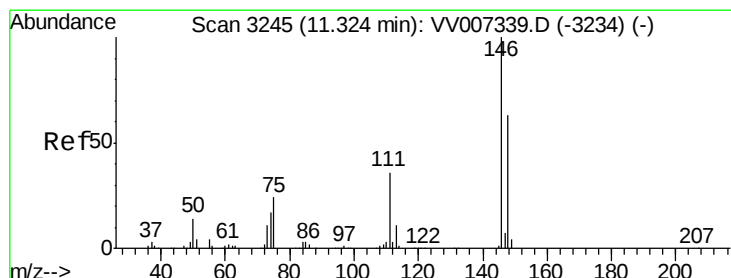
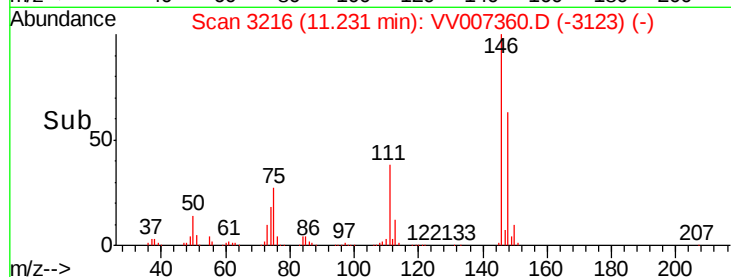
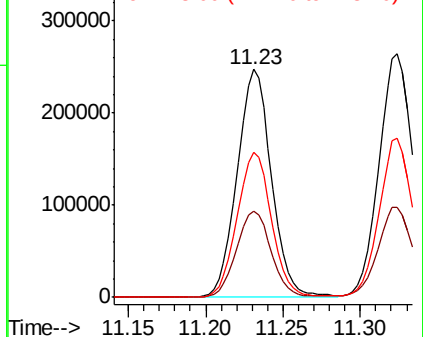
148 63.4 45.7 84.9



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 50.004 ug/L

RT: 11.32 min Scan# 3245

Delta R.T. 0.00 min

Lab File: VV007360.D

Acq: 05 Sep 2018 05:03

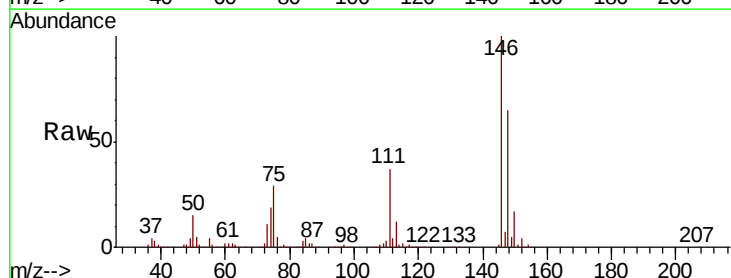
Tgt Ion:146 Resp: 416170

Ion Ratio Lower Upper

146 100

111 37.2 25.6 47.6

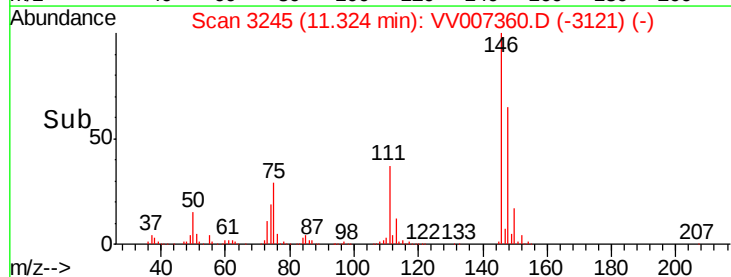
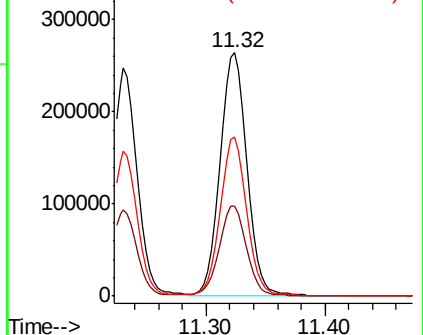
148 65.3 44.2 82.0

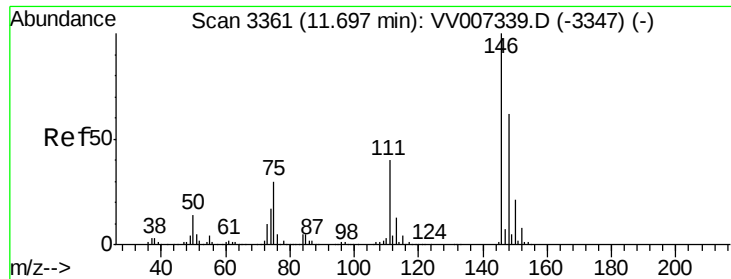


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

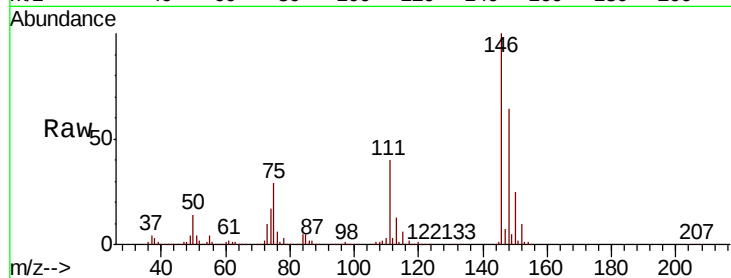




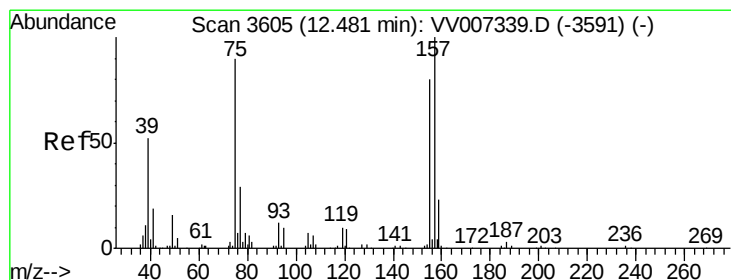
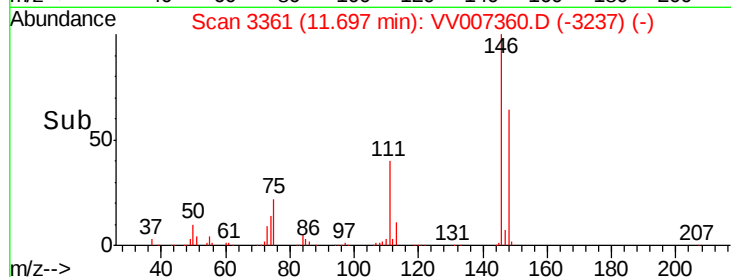
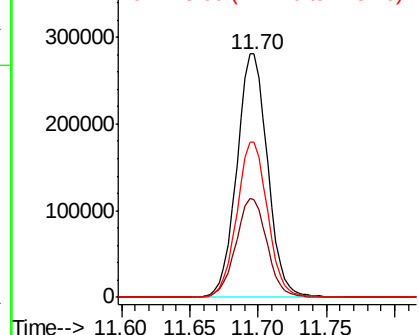
#65
 1,2-Dichlorobenzene
 Concen: 50.771 ug/L
 RT: 11.70 min Scan# 3361
 Delta R.T. 0.00 min
 Lab File: VV007360.D
 Acq: 05 Sep 2018 05:03

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05066

Tgt Ion:146 Resp: 440440
 Ion Ratio Lower Upper
 146 100
 111 40.4 31.7 47.5
 148 63.8 50.0 75.0

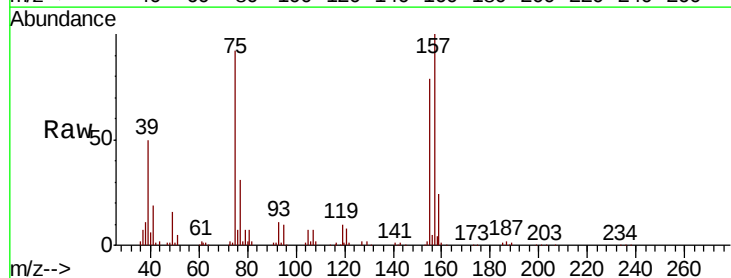


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

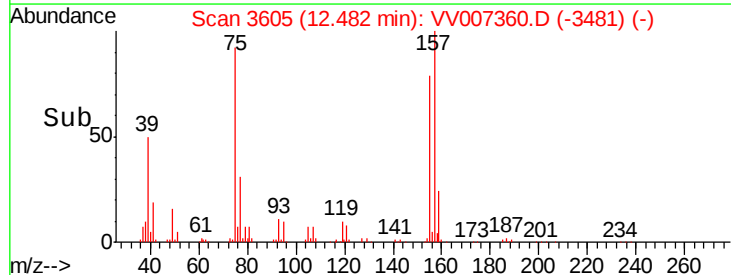
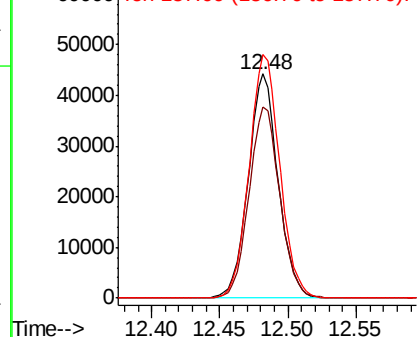


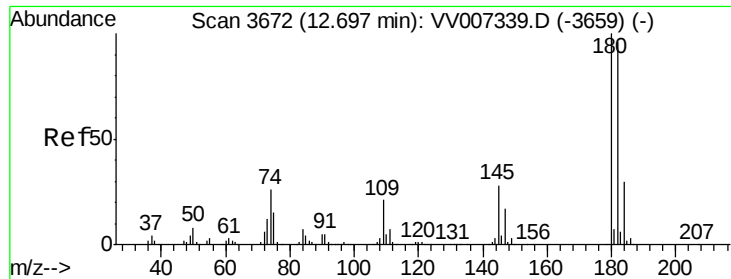
#66
 1,2-Dibromo-3-chloropropane
 Concen: 45.537 ug/L
 RT: 12.48 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VV007360.D
 Acq: 05 Sep 2018 05:03

Tgt Ion: 75 Resp: 66973
 Ion Ratio Lower Upper
 75 100
 155 85.5 70.6 105.8
 157 108.8 88.6 132.8



Abundance Ion 75.00 (74.70 to 75.70): VV0
 Ion 155.00 (154.70 to 155.70): V
 Ion 157.00 (156.70 to 157.70): V

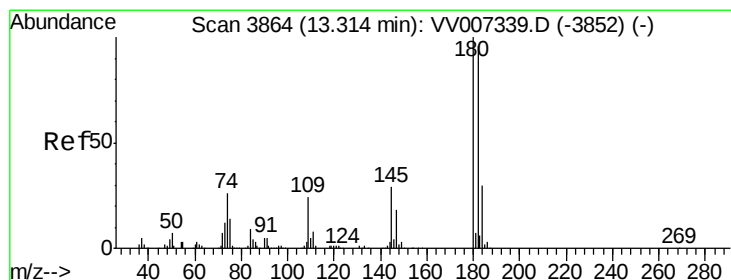
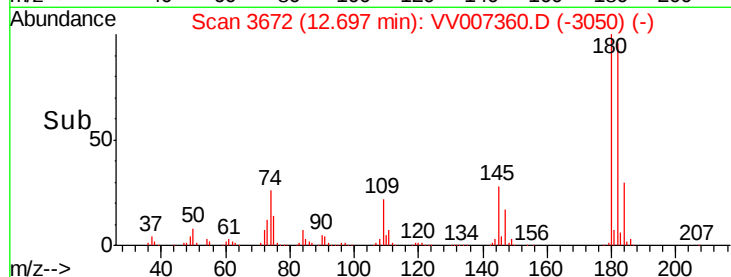
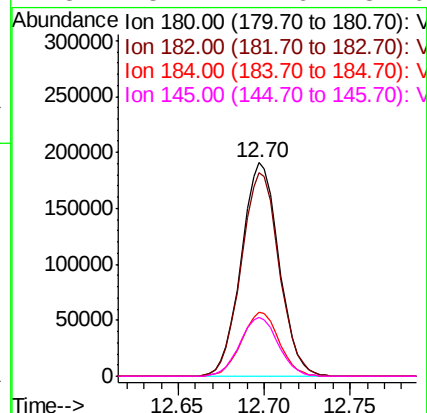
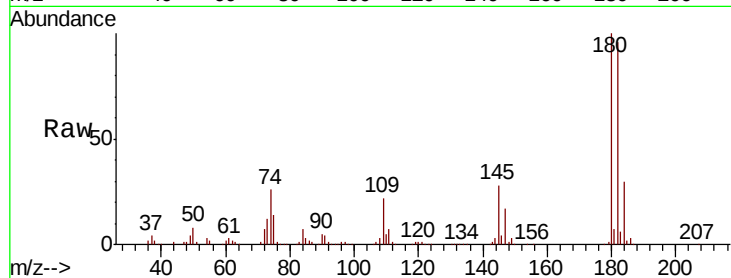




#67
 1,3,5-Trichlorobenzene
 Concen: 48.790 ug/L
 RT: 12.70 min Scan# 3672
 Delta R.T. 0.00 min
 Lab File: VV007360.D
 Acq: 05 Sep 2018 05:03

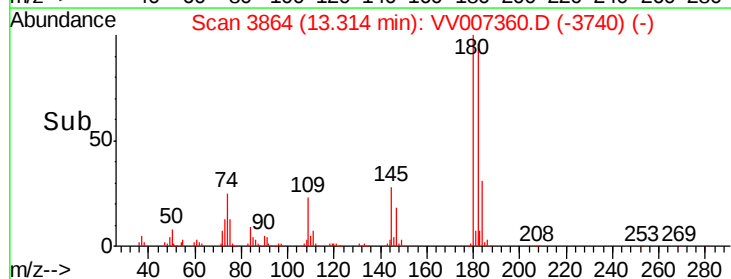
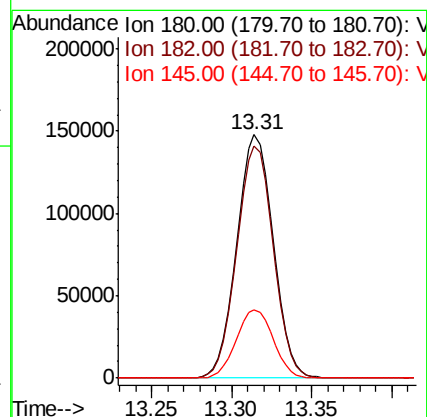
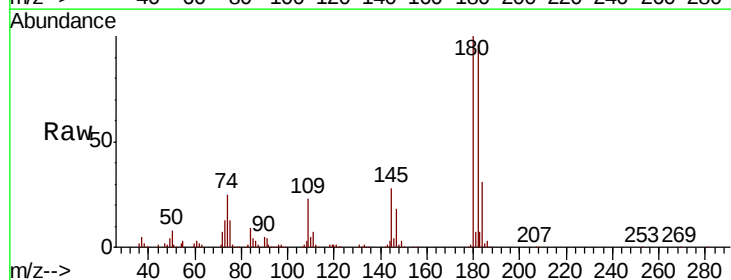
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05066

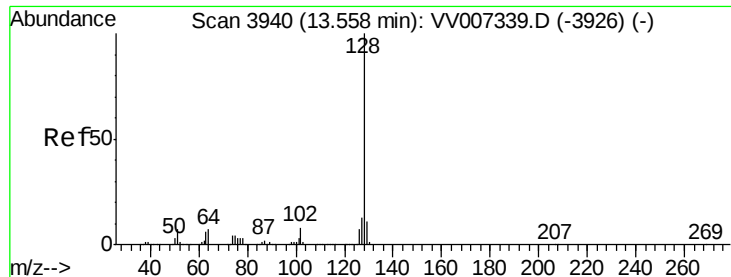
Tgt Ion:	180	Resp:	290532
Ion	Ratio	Lower	Upper
180	100		
182	96.0	76.8	115.2
184	30.1	24.2	36.2
145	28.1	22.6	34.0



#68
 1,2,4-trichlorobenzene
 Concen: 49.688 ug/L
 RT: 13.31 min Scan# 3864
 Delta R.T. 0.00 min
 Lab File: VV007360.D
 Acq: 05 Sep 2018 05:03

Tgt Ion:	180	Resp:	229210
Ion	Ratio	Lower	Upper
180	100		
182	95.7	77.0	115.4
145	28.6	22.9	34.3





#69

Naphthalene

Concen: 49.816 ug/L

RT: 13.56 min Scan# 3940

Delta R.T. 0.00 min

Lab File: VV007360.D

Acq: 05 Sep 2018 05:03

Instrument :

MSVOA_V

ClientSampleId :

VSTD05066

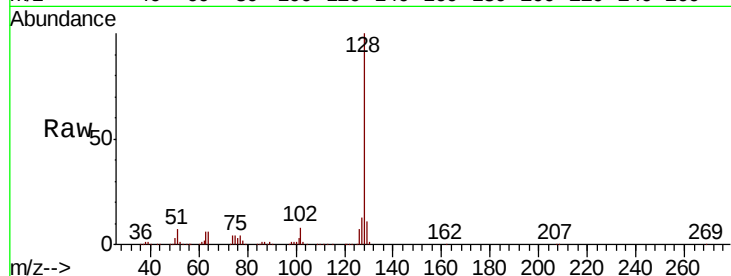
Tgt Ion:128 Resp: 663252

Ion Ratio Lower Upper

128 100

127 13.0 10.4 15.6

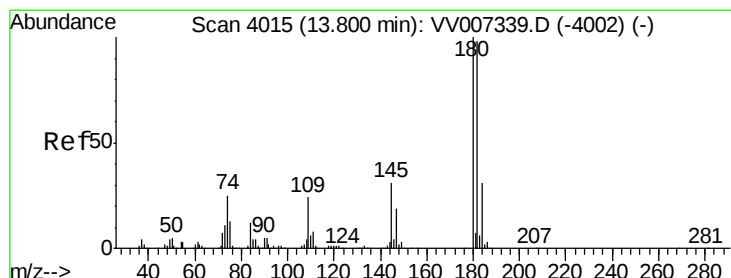
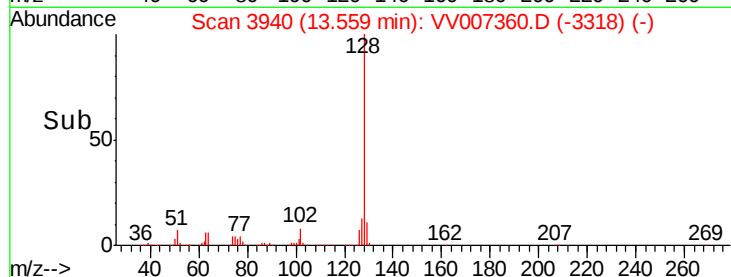
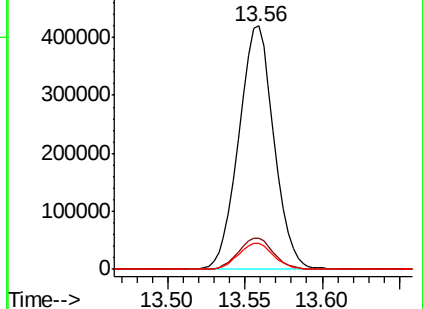
129 10.8 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 53.183 ug/L

RT: 13.80 min Scan# 4015

Delta R.T. 0.00 min

Lab File: VV007360.D

Acq: 05 Sep 2018 05:03

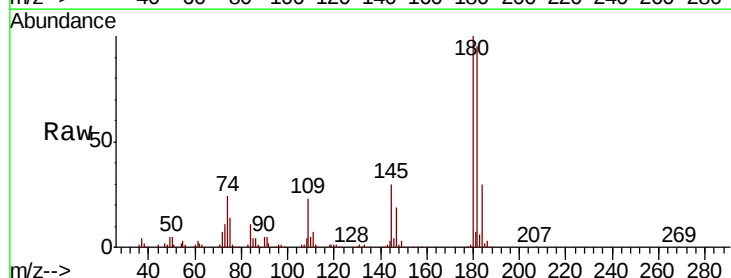
Tgt Ion:180 Resp: 271098

Ion Ratio Lower Upper

180 100

182 94.8 77.2 115.8

145 30.4 24.5 36.7



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

