

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV082418\
 Data File : VV007169.D
 Acq On : 24 Aug 2018 14:27
 Operator : SY/MD
 Sample : VSTD010
 Misc : 5.0 mL/MSVOA V/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Aug 24 23:20:25 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM082418WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Aug 24 23:19:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	523954	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	504538	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	201941	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	38211	11.38	ug/L	0.00
7) Chloroethane-d5	1.58	69	30839	13.78	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	65038	10.59	ug/L	0.00
21) 2-Butanone-d5	3.95	46	54696	19.76	ug/L	0.00
24) Chloroform-d	4.41	84	73782	10.48	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.09	65	43834	10.31	ug/L	0.00
32) Benzene-d6	5.11	84	136216	9.68	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	46997	10.13	ug/L	0.00
41) Toluene-d8	7.36	98	113095	9.13	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.67	79	18617	9.33	ug/L	0.00
47) 2-Hexanone-d5	8.14	63	18855	11.66	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.27	84	59621	9.03	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.68	152	41837	10.33	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	41272	8.840 ug/L	99
3) Chloromethane	1.25	50	54119	9.131 ug/L	100
5) Vinyl chloride	1.32	62	43711	8.954 ug/L	100
6) Bromomethane	1.53	94	14906	11.745 ug/L	98
8) Chloroethane	1.60	64	26640	9.884 ug/L	96
9) Trichlorofluoromethane	1.77	101	55903	9.432 ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	33830	9.363 ug/L	98
12) 1,1-Dichloroethene	2.14	96	32511	9.441 ug/L	94
13) Acetone	2.19	43	43862	20.559 ug/L	97
14) Carbon disulfide	2.32	76	96371	9.176 ug/L	100
15) Methyl Acetate	2.46	43	36279	9.266 ug/L	100
16) Methylene chloride	2.54	84	36078	9.119 ug/L	97
17) trans-1,2-Dichloroethene	2.79	96	34694	9.312 ug/L	97
18) Methyl tert-butyl Ether	2.81	73	103254	9.067 ug/L	99
19) 1,1-Dichloroethane	3.23	63	70542	9.187 ug/L	97
20) cis-1,2-Dichloroethene	3.97	96	38331	8.822 ug/L	98
22) 2-Butanone	4.04	43	60380	17.906 ug/L	99
23) Bromochloromethane	4.31	128	20056	9.008 ug/L	98
25) Chloroform	4.43	83	68892	9.154 ug/L	96
27) 1,2-Dichloroethane	5.19	62	50213	8.831 ug/L	98
29) Cyclohexane	4.73	56	49500	7.908 ug/L	99
30) 1,1,1-Trichloroethane	4.66	97	54831	8.667 ug/L	97
31) Carbon tetrachloride	4.88	117	46433	8.706 ug/L	98
33) Benzene	5.15	78	145777	8.564 ug/L	100
34) Trichloroethene	5.96	95	36250	8.914 ug/L	96
35) Methylcyclohexane	6.18	83	51031	7.858 ug/L	97
37) 1,2-Dichloropropane	6.23	63	39087	8.604 ug/L	99
38) Bromodichloromethane	6.56	83	47245	8.690 ug/L	98
39) cis-1,3-Dichloropropene	7.08	75	51042	8.301 ug/L	99
40) 4-Methyl-2-pentanone	7.28	43	79910	14.534 ug/L	99

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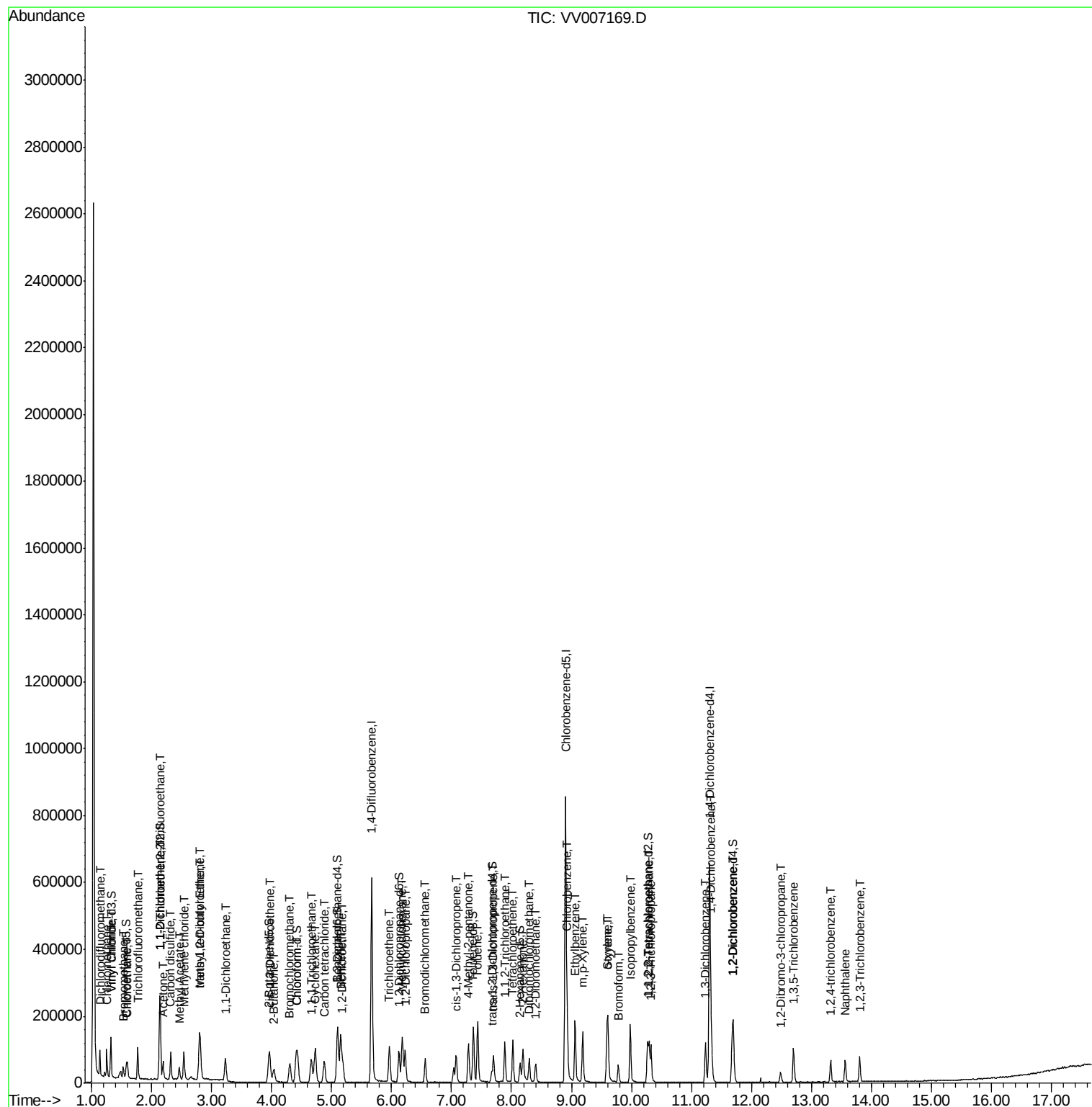
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.44	91	130679	7.940	ug/L	99
44) trans-1,3-Dichloropropene	7.70	75	46239	8.095	ug/L	99
45) 1,1,2-Trichloroethane	7.89	97	37470	8.845	ug/L	98
46) Tetrachloroethene	8.02	164	29505	8.914	ug/L	97
48) 2-Hexanone	8.19	43	57060	13.084	ug/L	97
49) Dibromochloromethane	8.30	129	35604	8.355	ug/L	97
50) 1,2-Dibromoethane	8.40	107	36248	8.661	ug/L	97
51) Chlorobenzene	8.93	112	93089	8.525	ug/L	99
52) Ethylbenzene	9.06	91	126440	7.556	ug/L	99
53) m,p-Xylene	9.19	106	44936	7.019	ug/L	96
54) o-xylene	9.59	106	44650	7.209	ug/L	97
55) Styrene	9.61	104	68398	6.404	ug/L	98
56) Isopropylbenzene	9.98	105	110841	7.079	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.29	83	58230	8.047	ug/L	100
59) 1,2,3-Trichloropropane	10.32	75	48758	8.384	ug/L	99
61) Bromoform	9.78	173	24360	8.970	ug/L	97
62) 1,3-Dichlorobenzene	11.23	146	58060	8.930	ug/L	98
63) 1,4-Dichlorobenzene	11.33	146	60952	8.843	ug/L	98
65) 1,2-Dichlorobenzene	11.70	146	62720	8.832	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	8576	8.570	ug/L	85
67) 1,3,5-Trichlorobenzene	12.70	180	36550	8.134	ug/L	99
68) 1,2,4-trichlorobenzene	13.32	180	22803	7.425	ug/L	95
69) Naphthalene	13.56	128	55048	6.626	ug/L	99
70) 1,2,3-Trichlorobenzene	13.80	180	24483	7.344	ug/L	99

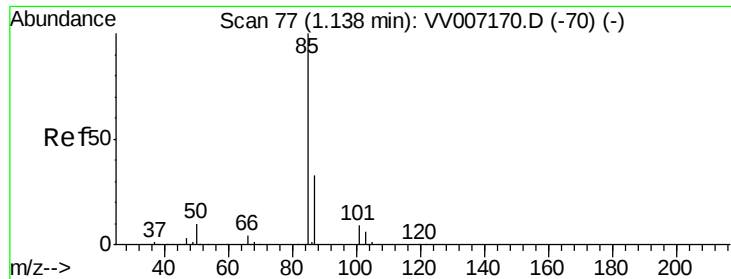
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 8.840 ug/L

RT: 1.14 min Scan# 78

Delta R.T. 0.00 min

Lab File: VV007169.D

Acq: 24 Aug 2018 14:27

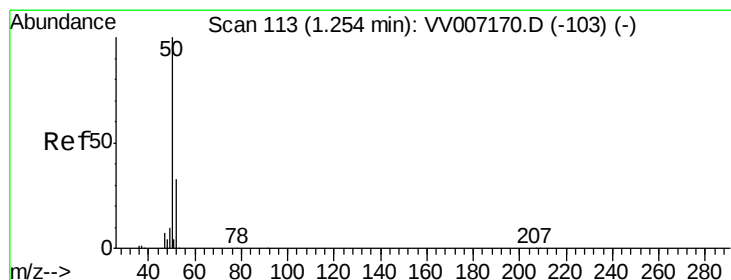
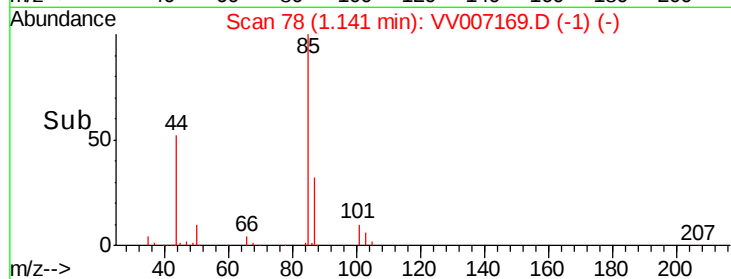
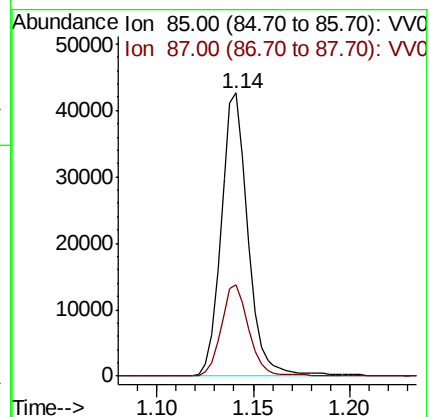
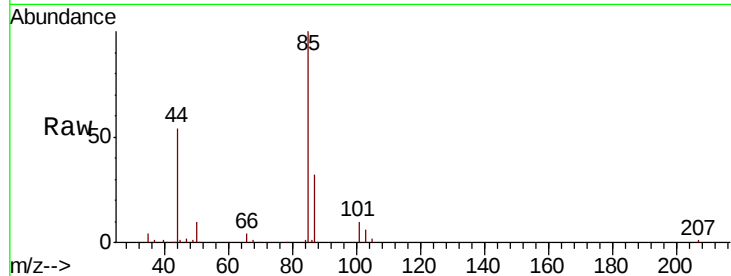
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 85 Resp: 41272

Ion Ratio Lower Upper

85 100

87 33.1 26.1 39.1



#3

Chloromethane

Concen: 9.131 ug/L

RT: 1.25 min Scan# 113

Delta R.T. 0.00 min

Lab File: VV007169.D

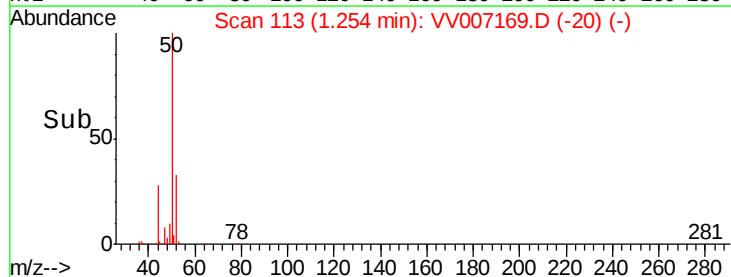
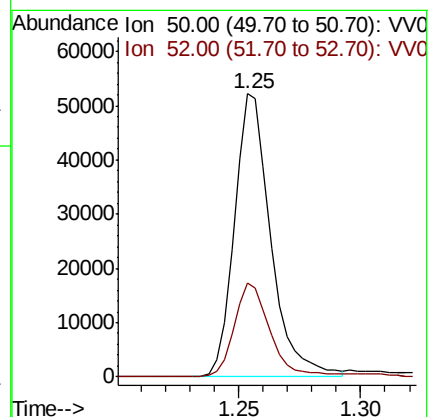
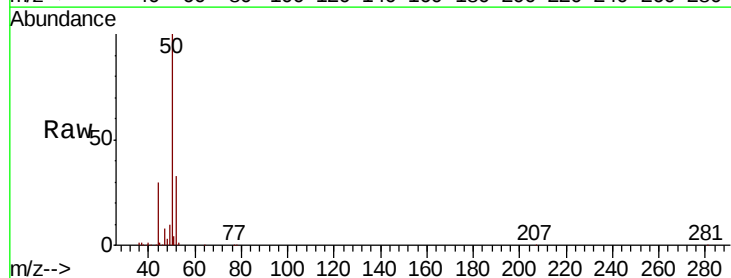
Acq: 24 Aug 2018 14:27

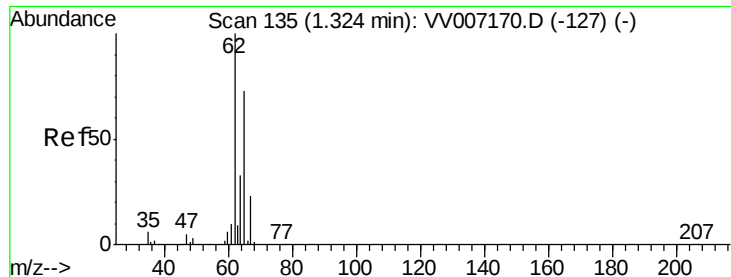
Tgt Ion: 50 Resp: 54119

Ion Ratio Lower Upper

50 100

52 33.2 23.0 42.8





#5

Vinyl chloride

Concen: 8.954 ug/L

RT: 1.32 min Scan# 135

Delta R.T. 0.00 min

Lab File: VV007169.D

Acq: 24 Aug 2018 14:27

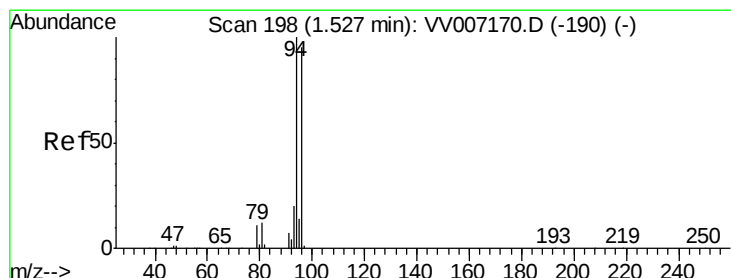
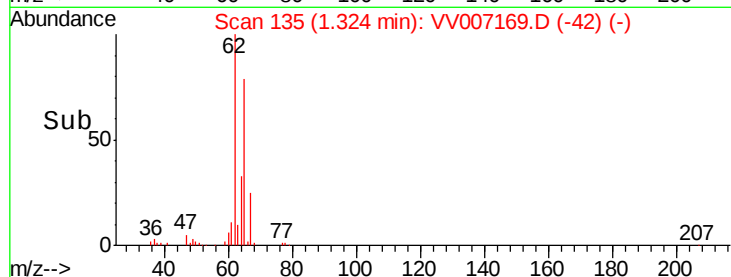
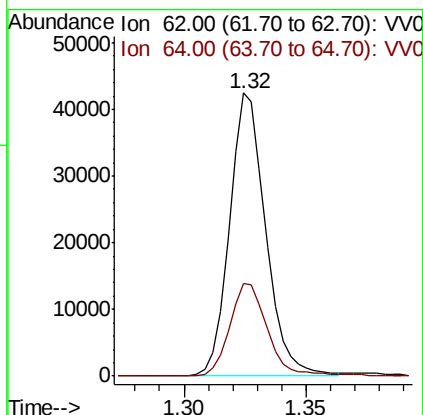
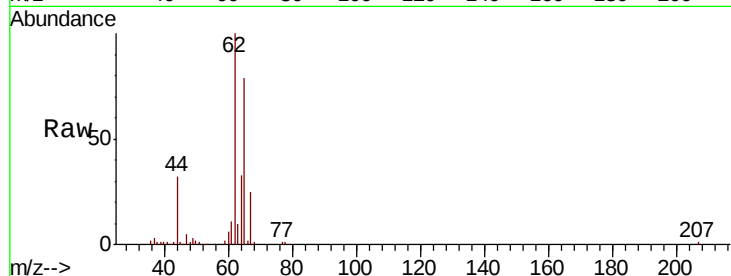
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 62 Resp: 43711

Ion Ratio Lower Upper

62 100

64 32.7 22.9 42.5



#6

Bromomethane

Concen: 11.745 ug/L

RT: 1.53 min Scan# 199

Delta R.T. 0.00 min

Lab File: VV007169.D

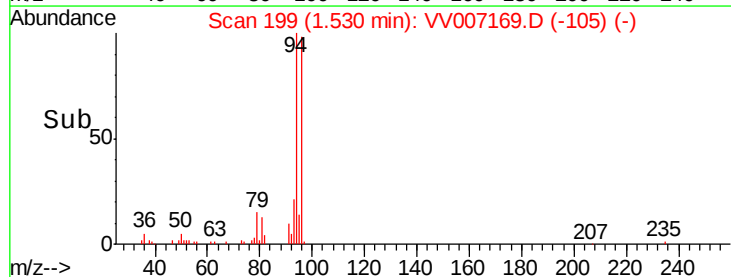
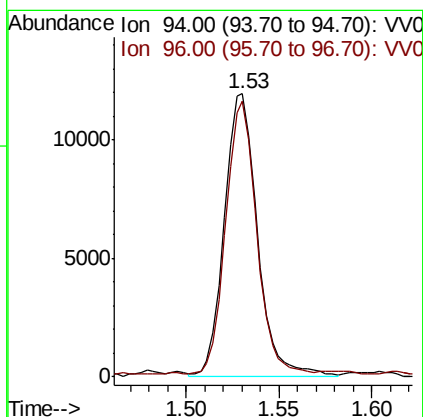
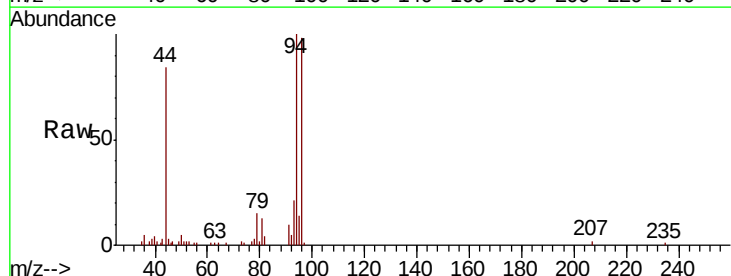
Acq: 24 Aug 2018 14:27

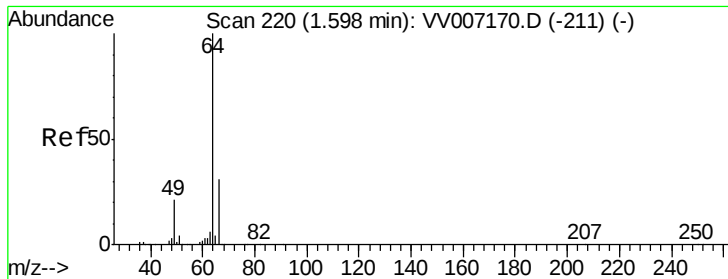
Tgt Ion: 94 Resp: 14906

Ion Ratio Lower Upper

94 100

96 97.5 66.7 123.9





#8

Chloroethane

Concen: 9.884 ug/L

RT: 1.60 min Scan# 220

Delta R.T. 0.00 min

Lab File: VV007169.D

Acq: 24 Aug 2018 14:27

Instrument :

MSVOA_V

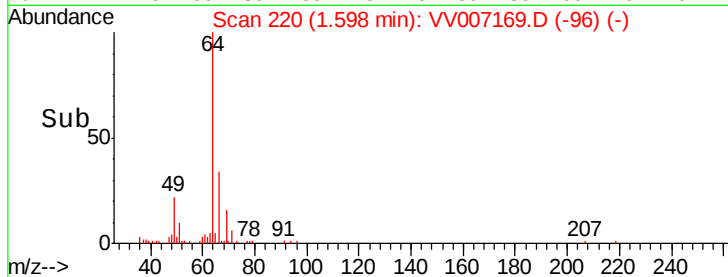
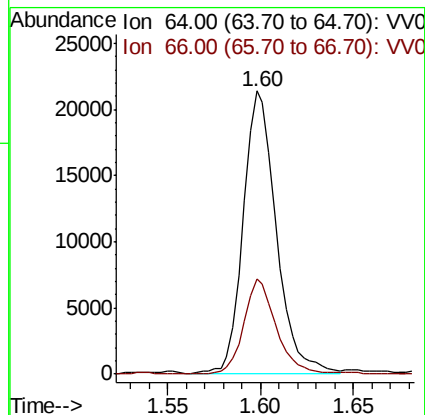
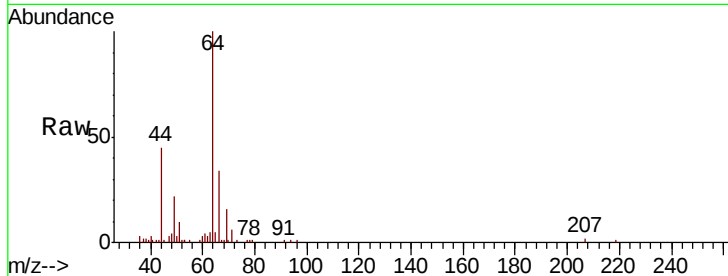
ClientSampleId :

Tot Ion: 64 Resp: 26640

Ion Ratio Lower Upper

64 100

66 33.5 21.8 40.4



#9

Trichlorofluoromethane

Concen: 9.432 ug/L

RT: 1.77 min Scan# 274

Delta R.T. 0.00 min

Lab File: VV007169.D

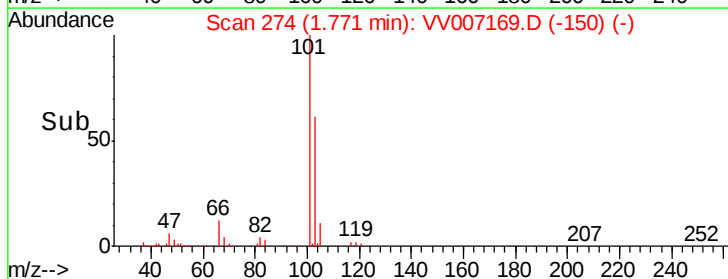
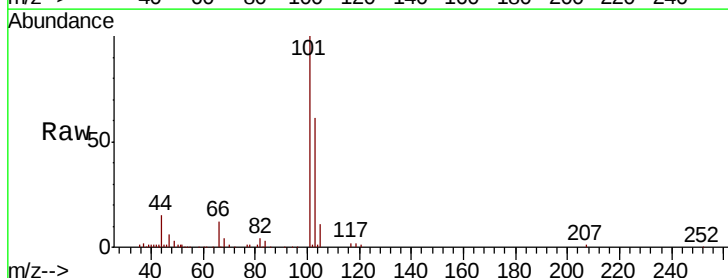
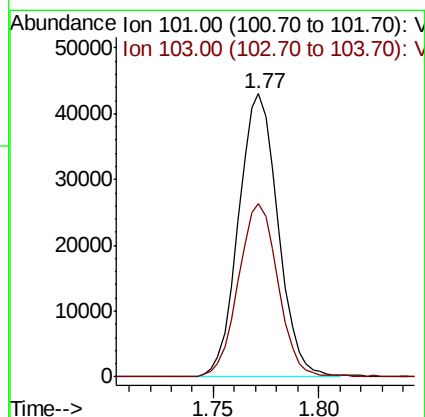
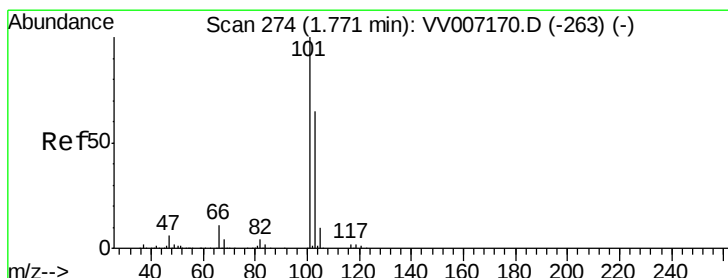
Acq: 24 Aug 2018 14:27

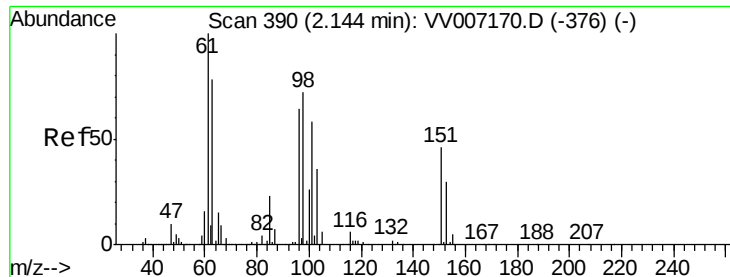
Tgt Ion: 101 Resp: 55903

Ion Ratio Lower Upper

101 100

103 61.7 51.2 76.8





#10

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

Concen: 9.363 ug/L

RT: 2.14 min Scan# 390

Delta R.T. 0.00 min

Lab File: VV007169.D

Acq: 24 Aug 2018 14:27

Instrument :

MSVOA_V

ClientSampleId :

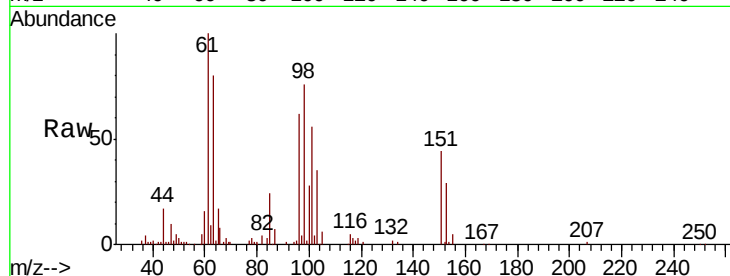
Tot Ion:101 Resp: 33830

Ion Ratio Lower Upper

101 100

85 41.2 31.8 47.8

151 78.4 64.0 96.0



Abundance Ion 101.00 (100.70 to 101.70): VV007170.D (-376) (-)

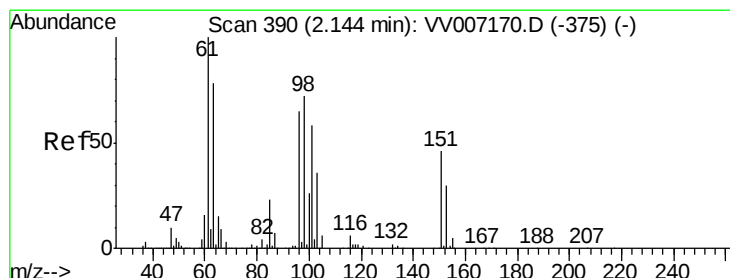
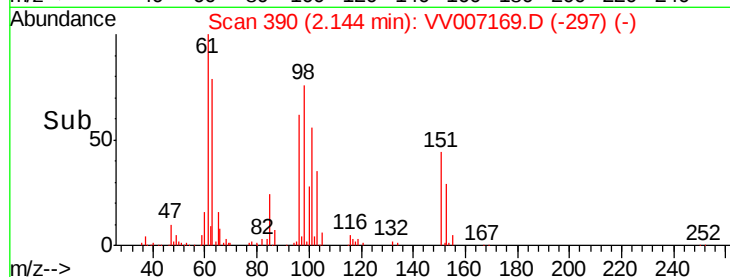
Ion 85.00 (84.70 to 85.70): VV007170.D (-376) (-)

Ion 151.00 (150.70 to 151.70): VV007170.D (-376) (-)

2.14

2.10 2.15 2.20

Time-->



#12

1,1-Dichloroethene

Concen: 9.441 ug/L

RT: 2.14 min Scan# 390

Delta R.T. 0.00 min

Lab File: VV007169.D

Acq: 24 Aug 2018 14:27

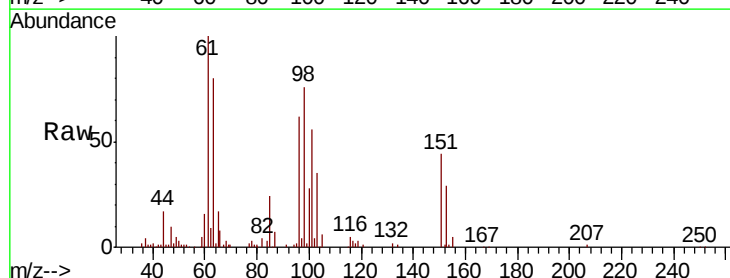
Tgt Ion: 96 Resp: 32511

Ion Ratio Lower Upper

96 100

61 161.1 108.5 201.5

63 128.7 84.9 157.7



Abundance Ion 96.00 (95.70 to 96.70): VV007169.D (-297) (-)

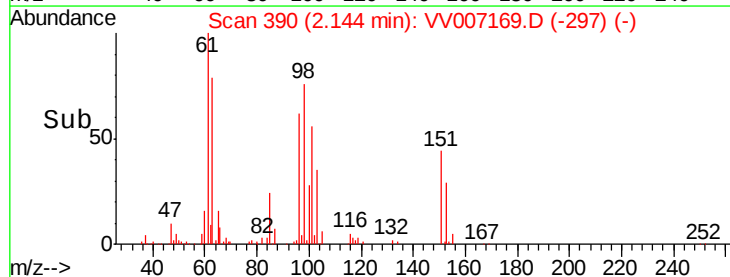
Ion 61.00 (60.70 to 61.70): VV007169.D (-297) (-)

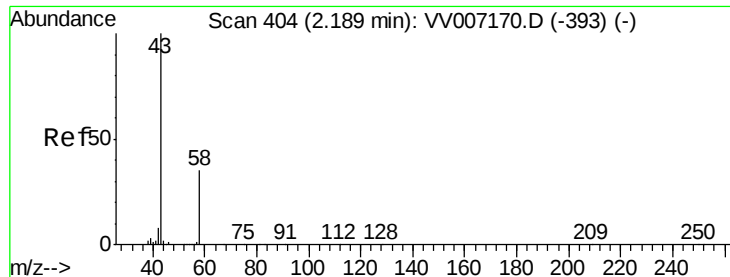
Ion 63.00 (62.70 to 63.70): VV007169.D (-297) (-)

2.14

2.10 2.15 2.20

Time-->





#13

Acetone

Concen: 20.559 ug/L

RT: 2.19 min Scan# 405

Delta R.T. 0.00 min

Lab File: VV007169.D

Acq: 24 Aug 2018 14:27

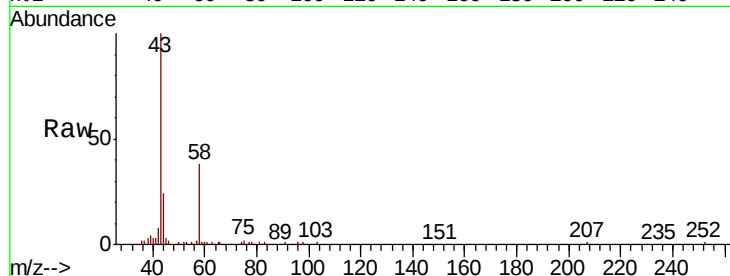
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 43862

Ion Ratio Lower Upper

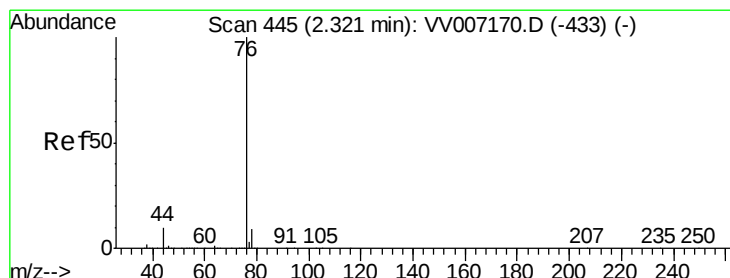
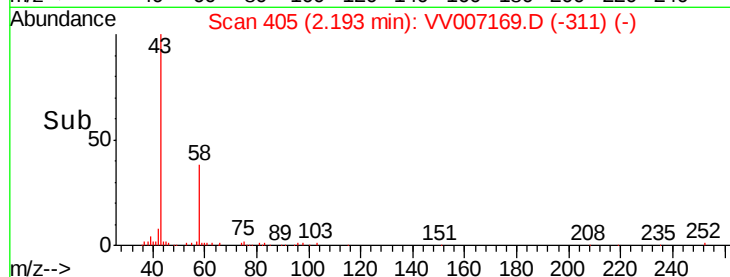
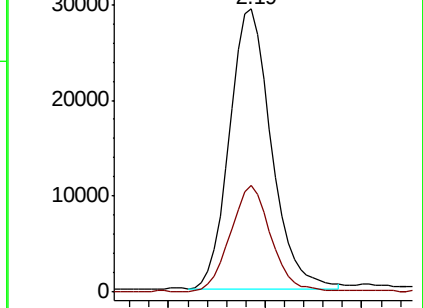
43 100

58 37.5 0.0 72.0



Abundance Ion 43.00 (42.70 to 43.70): VV007170.D (-393) (-)

Ion 58.00 (57.70 to 58.70): VV007170.D (-393) (-)



#14

Carbon disulfide

Concen: 9.176 ug/L

RT: 2.32 min Scan# 445

Delta R.T. 0.00 min

Lab File: VV007169.D

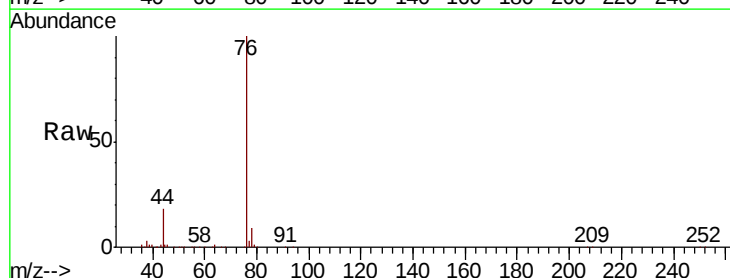
Acq: 24 Aug 2018 14:27

Tgt Ion: 76 Resp: 96371

Ion Ratio Lower Upper

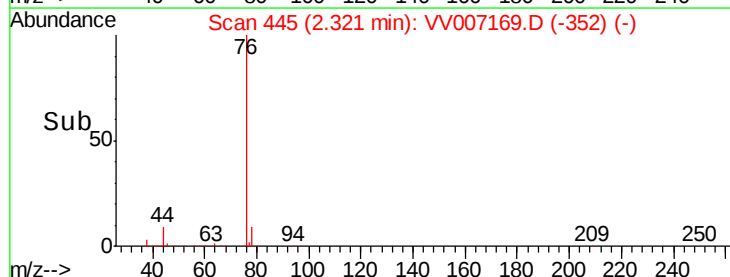
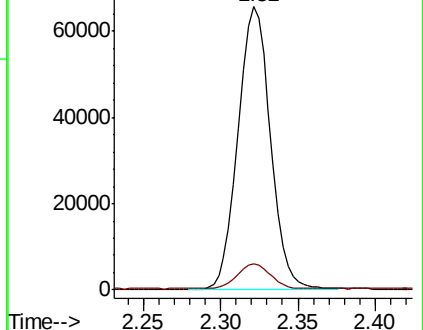
76 100

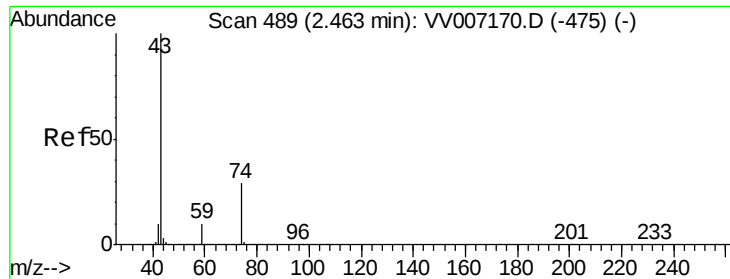
78 9.3 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VV007170.D (-433) (-)

Ion 78.00 (77.70 to 78.70): VV007170.D (-433) (-)

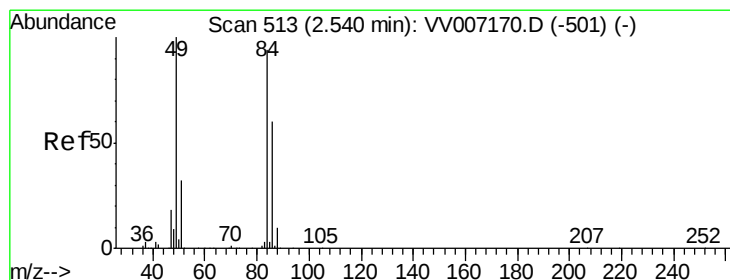
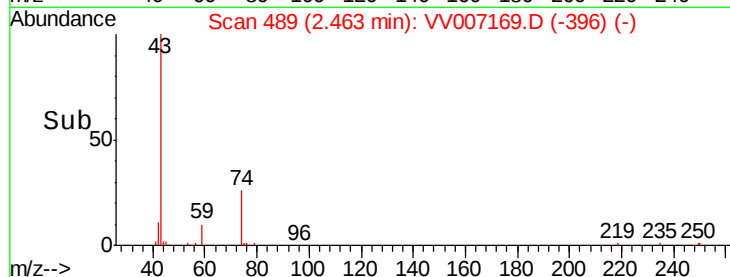
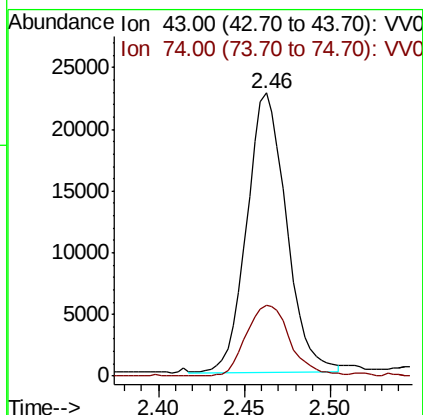
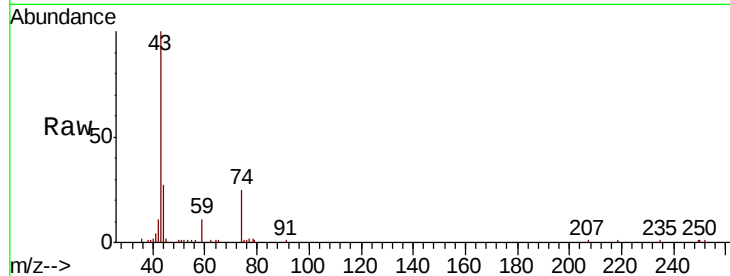




#15
Methvl Acetate
Concen: 9.266 ug/L
RT: 2.46 min Scan# 489
Delta R.T. 0.00 min
Lab File: VV007169.D
Acq: 24 Aug 2018 14:27

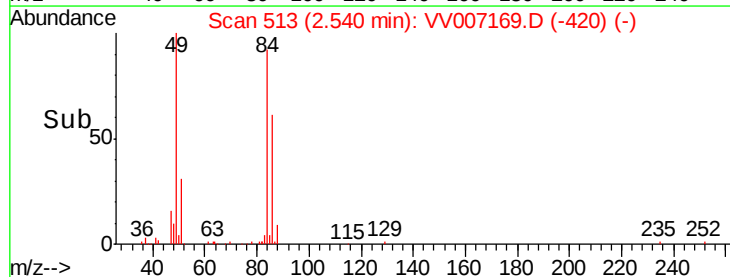
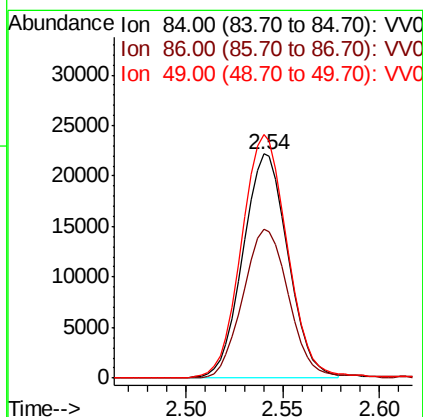
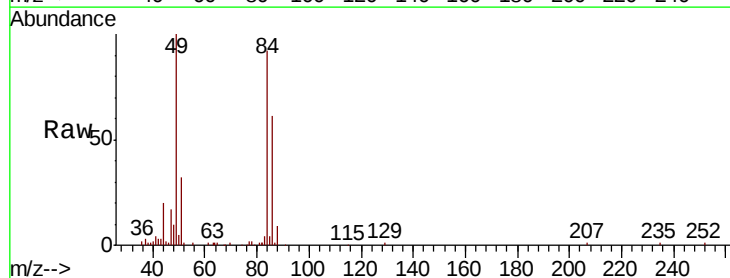
Instrument :
MSVOA_V
ClientSampleId :

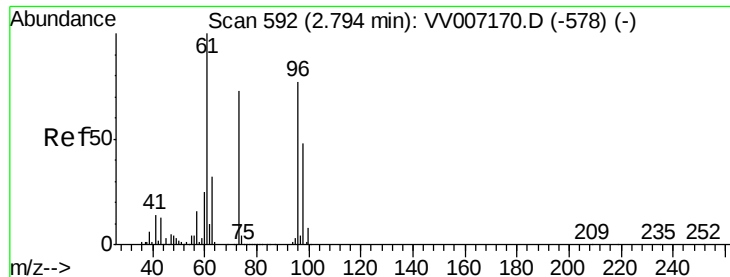
Tot Ion: 43 Resp: 36279
Ion Ratio Lower Upper
43 100
74 28.2 22.6 33.8



#16
Methylene chloride
Concen: 9.119 ug/L
RT: 2.54 min Scan# 513
Delta R.T. 0.00 min
Lab File: VV007169.D
Acq: 24 Aug 2018 14:27

Tgt Ion: 84 Resp: 36078
Ion Ratio Lower Upper
84 100
86 66.6 44.9 83.3
49 108.7 74.5 138.3





#17

trans-1,2-Dichloroethene

Concen: 9.312 ug/L

RT: 2.79 min Scan# 592

Delta R.T. 0.00 min

Lab File: VV007169.D

Acq: 24 Aug 2018 14:27

Instrument :

MSVOA_V

ClientSampleId :

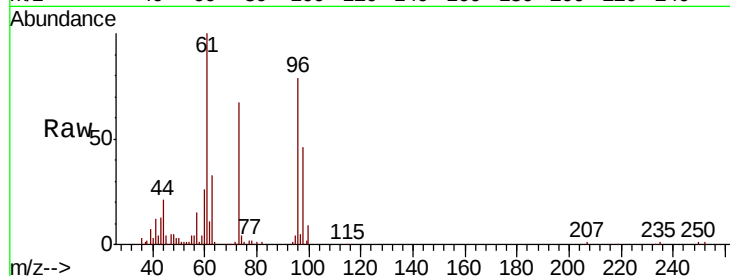
Tot Ion: 96 Resp: 34694

Ion Ratio Lower Upper

96 100

61 127.3 90.6 168.2

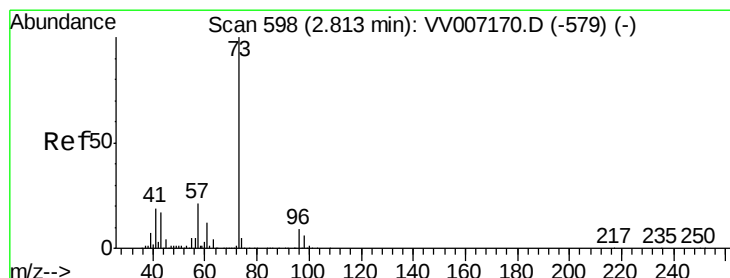
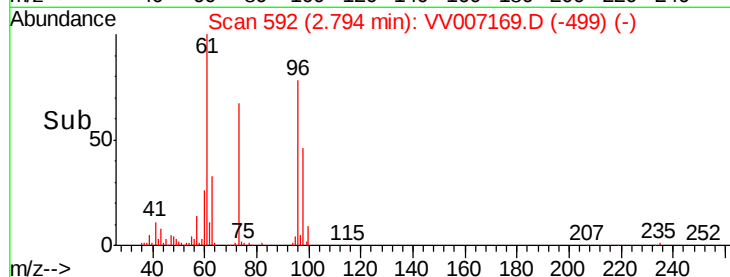
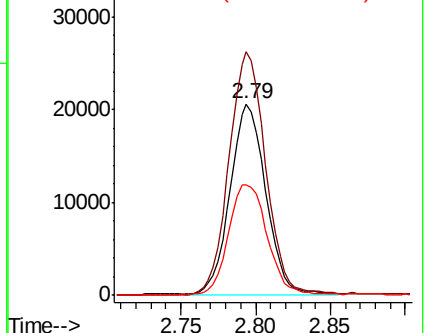
98 58.1 43.8 81.3



Abundance Ion 96.00 (95.70 to 96.70): VV007170.D (-578) (-)

Ion 61.00 (60.70 to 61.70): VV007170.D (-578) (-)

Ion 98.00 (97.70 to 98.70): VV007170.D (-578) (-)



#18

Methyl tert-butyl Ether

Concen: 9.067 ug/L

RT: 2.81 min Scan# 598

Delta R.T. 0.00 min

Lab File: VV007169.D

Acq: 24 Aug 2018 14:27

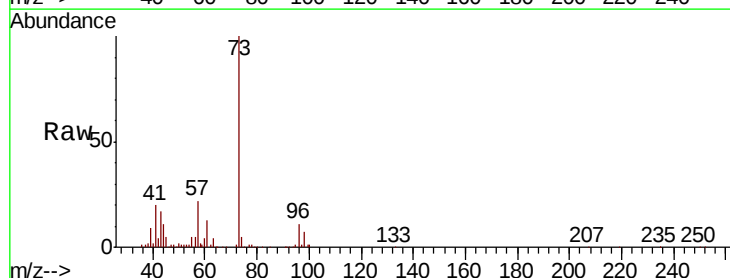
Tgt Ion: 73 Resp: 103254

Ion Ratio Lower Upper

73 100

43 16.8 13.7 20.5

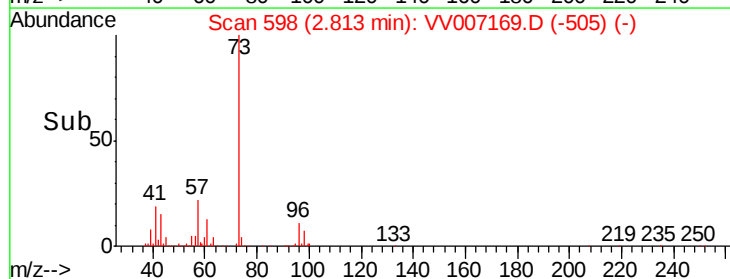
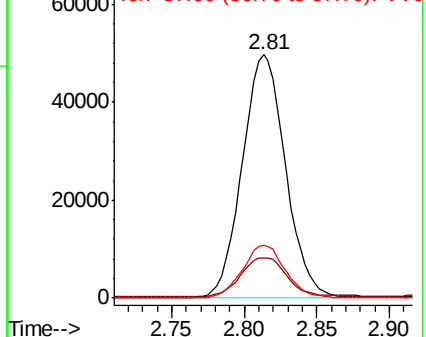
57 21.6 16.8 25.2

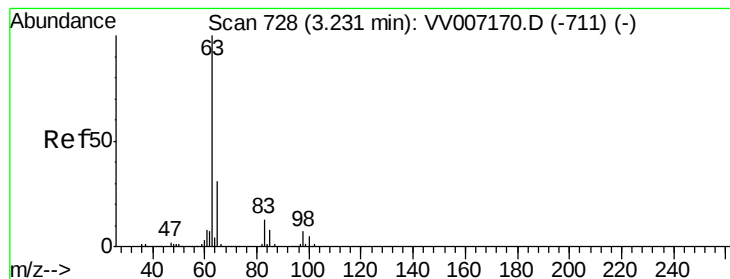


Abundance Ion 73.00 (72.70 to 73.70): VV007170.D (-579) (-)

Ion 43.00 (42.70 to 43.70): VV007170.D (-579) (-)

Ion 57.00 (56.70 to 57.70): VV007170.D (-579) (-)





#19

1,1-Dichloroethane

Concen: 9.187 ug/L

RT: 3.23 min Scan# 728

Delta R.T. 0.00 min

Lab File: VV007169.D

Acq: 24 Aug 2018 14:27

Instrument :

MSVOA_V

ClientSampleId :

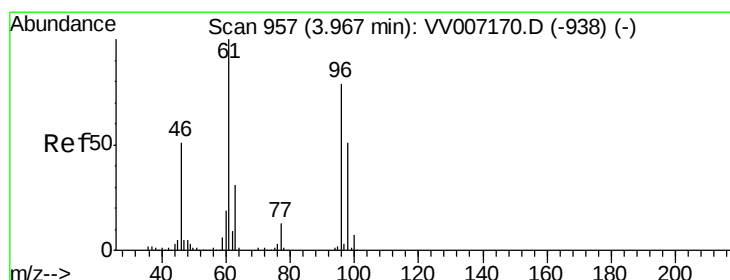
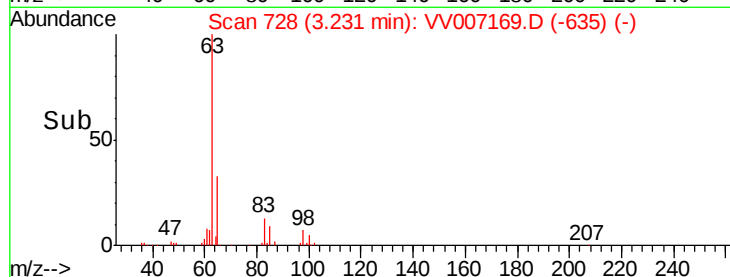
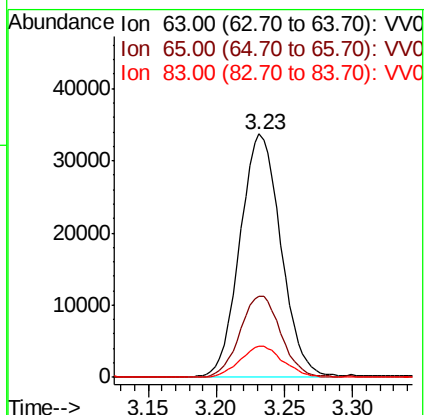
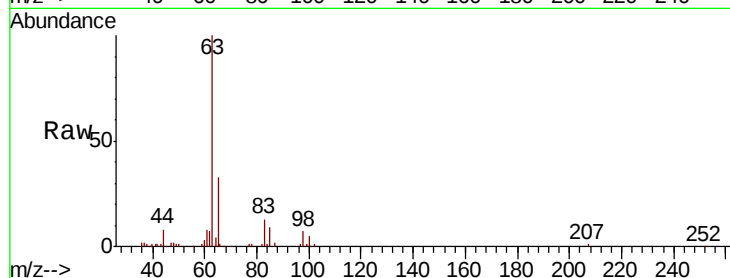
Tot Ion: 63 Resp: 70542

Ion Ratio Lower Upper

63 100

65 33.3 21.8 40.4

83 13.0 9.1 16.9



#20

cis-1,2-Dichloroethene

Concen: 8.822 ug/L

RT: 3.97 min Scan# 957

Delta R.T. 0.00 min

Lab File: VV007169.D

Acq: 24 Aug 2018 14:27

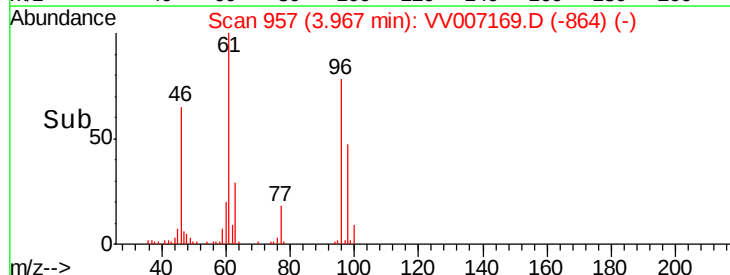
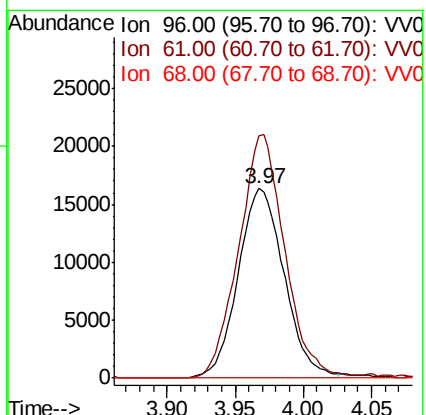
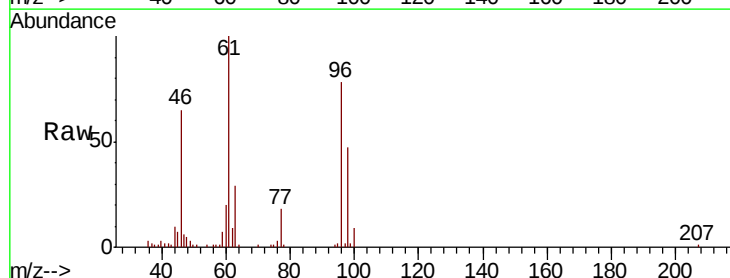
Tgt Ion: 96 Resp: 38331

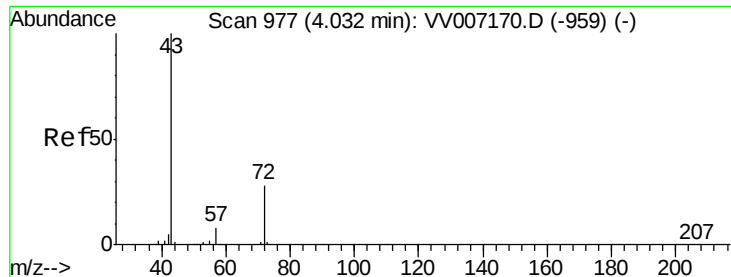
Ion Ratio Lower Upper

96 100

61 128.1 88.2 163.8

68 0.0 0.0 0.0





#22

2-Butanone

Concen: 17.906 ug/L

RT: 4.04 min Scan# 979

Delta R.T. 0.01 min

Lab File: VV007169.D

Acq: 24 Aug 2018 14:27

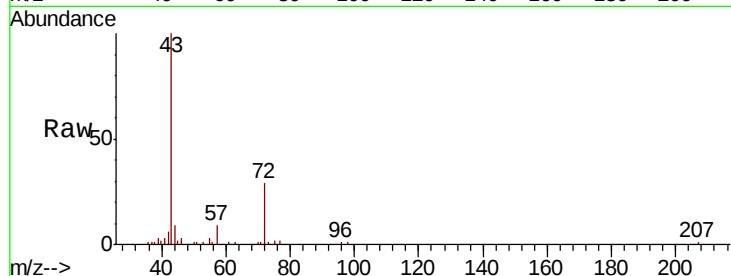
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 60380

Ion Ratio Lower Upper

43 100

72 27.0 13.4 40.1



Abundance Ion 43.00 (42.70 to 43.70): VV007170.D (-959) (-)

Ion 72.00 (71.70 to 72.70): VV007170.D (-959) (-)

4.04

25000

20000

15000

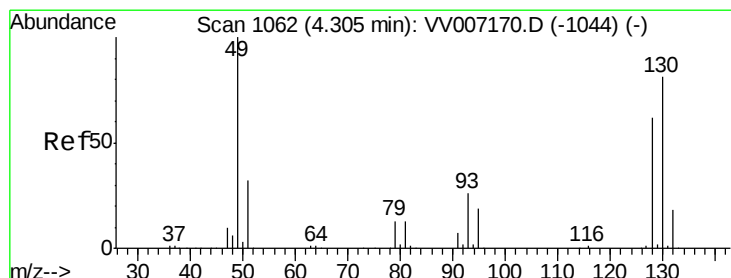
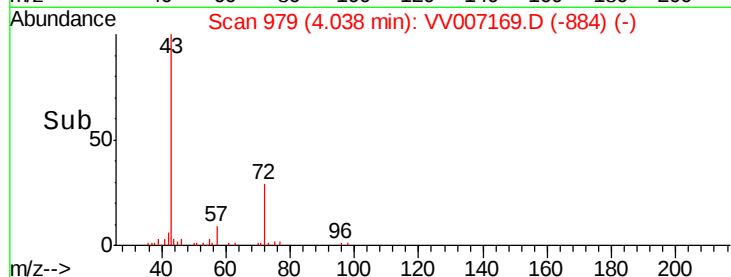
10000

5000

0

4.00 4.10

Time-->



#23

Bromochloromethane

Concen: 9.008 ug/L

RT: 4.31 min Scan# 1062

Delta R.T. 0.00 min

Lab File: VV007169.D

Acq: 24 Aug 2018 14:27

Tgt Ion:128 Resp: 20056

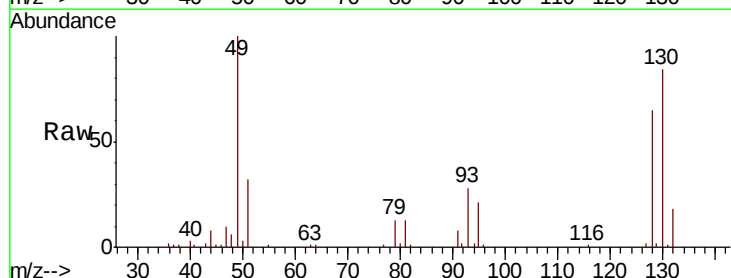
Ion Ratio Lower Upper

128 100

49 154.7 112.5 208.9

130 129.3 90.6 168.2

51 49.7 40.7 61.1



Abundance Ion 128.00 (127.70 to 128.70): VV007170.D (-1044) (-)

Ion 49.00 (48.70 to 49.70): VV007170.D (-1044) (-)

Ion 130.00 (129.70 to 130.70): VV007170.D (-1044) (-)

Ion 51.00 (50.70 to 51.70): VV007170.D (-1044) (-)

20000

15000

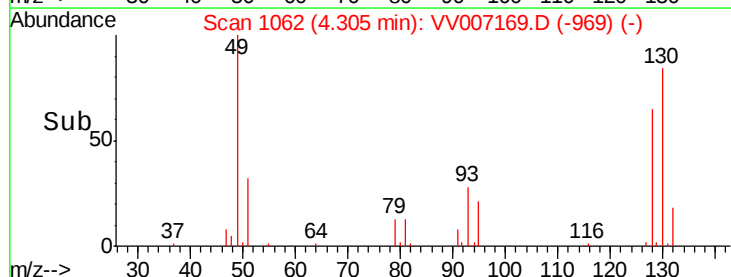
10000

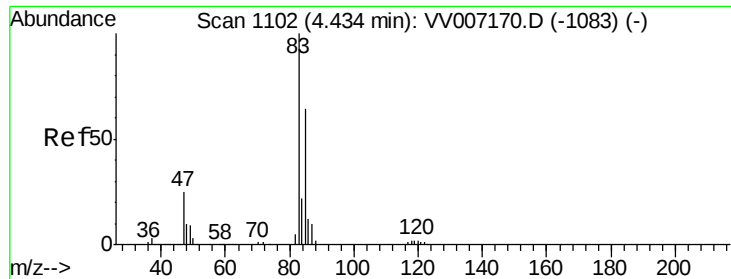
5000

0

4.25 4.30 4.35 4.40

Time-->





#25

Chloroform

Concen: 9.154 ug/L

RT: 4.43 min Scan# 1102

Delta R.T. 0.00 min

Lab File: VV007169.D

Acq: 24 Aug 2018 14:27

Instrument :

MSVOA_V

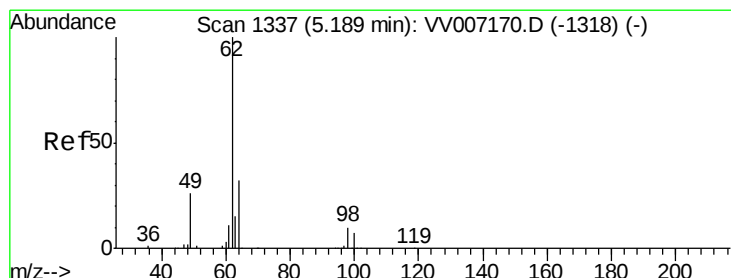
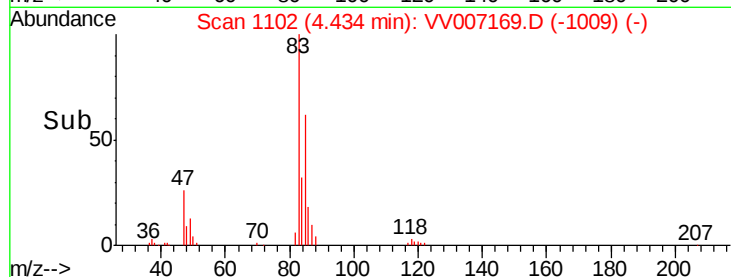
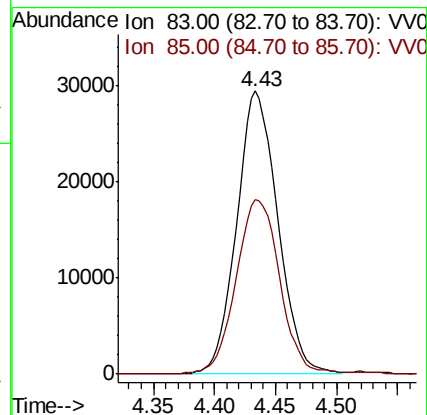
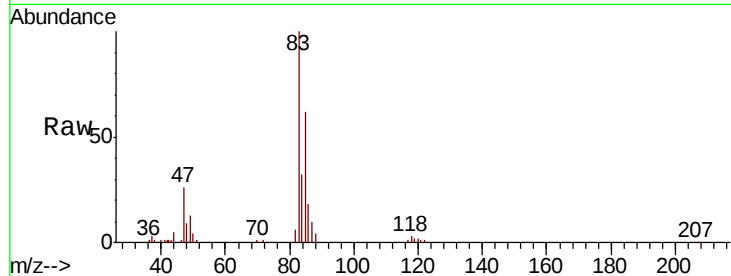
ClientSampleId :

Tot Ion: 83 Resp: 68892

Ion Ratio Lower Upper

83 100

85 61.7 45.2 84.0



#27

1,2-Dichloroethane

Concen: 8.831 ug/L

RT: 5.19 min Scan# 1337

Delta R.T. 0.00 min

Lab File: VV007169.D

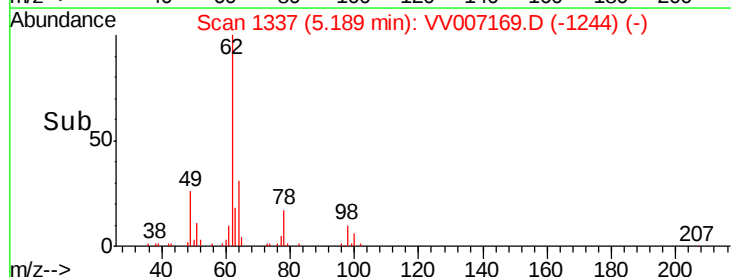
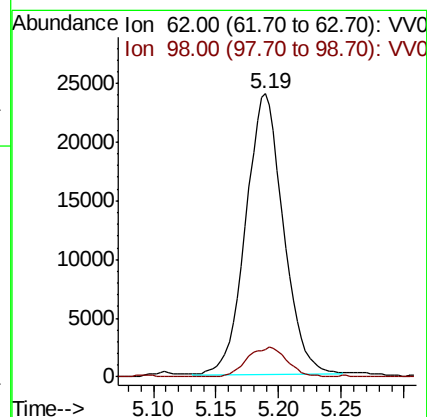
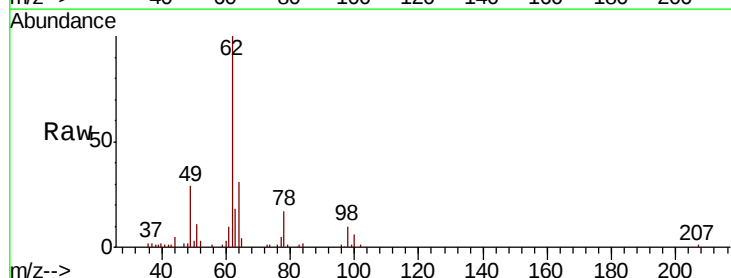
Acq: 24 Aug 2018 14:27

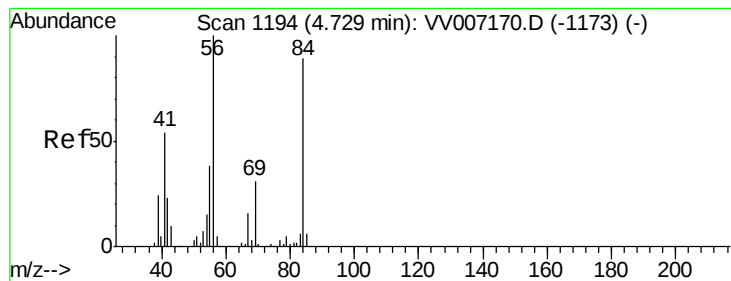
Tgt Ion: 62 Resp: 50213

Ion Ratio Lower Upper

62 100

98 9.7 8.3 12.5





#29

Cyclohexane

Concen: 7.908 ug/L

RT: 4.73 min Scan# 1194

Delta R.T. 0.00 min

Lab File: VV007169.D

Acq: 24 Aug 2018 14:27

Instrument :
MSVOA_V
ClientSampled :

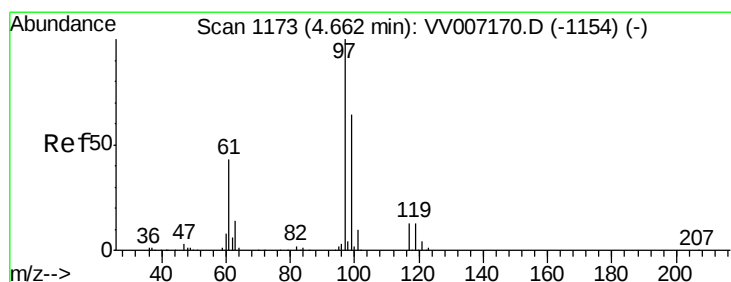
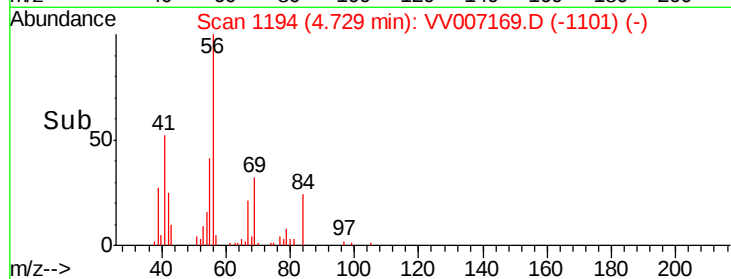
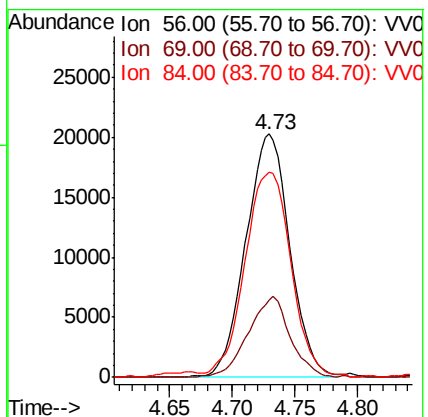
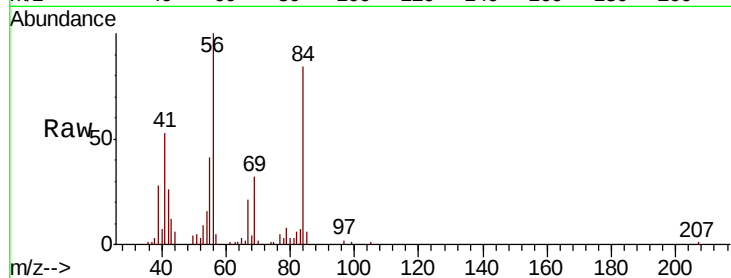
Tot Ion: 56 Resp: 49500

Ion Ratio Lower Upper

56 100

69 31.6 24.6 36.8

84 88.6 70.8 106.2



#30

1,1,1-Trichloroethane

Concen: 8.667 ug/L

RT: 4.66 min Scan# 1173

Delta R.T. 0.00 min

Lab File: VV007169.D

Acq: 24 Aug 2018 14:27

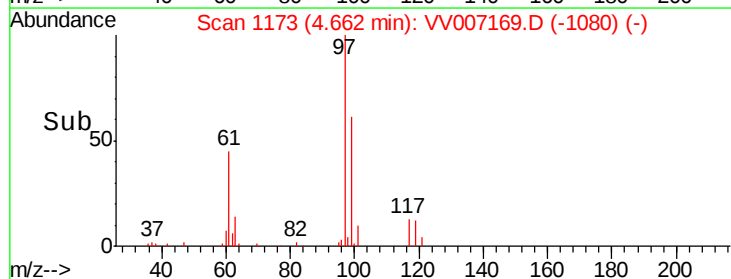
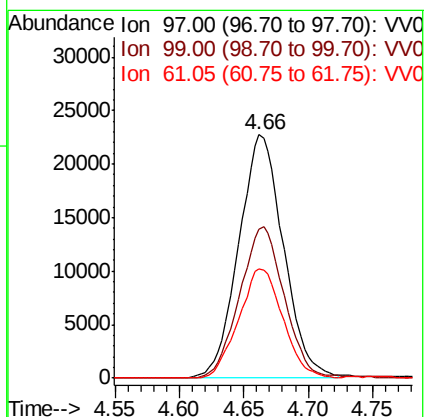
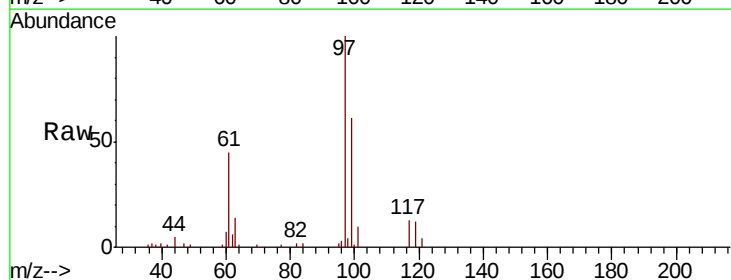
Tgt Ion: 97 Resp: 54831

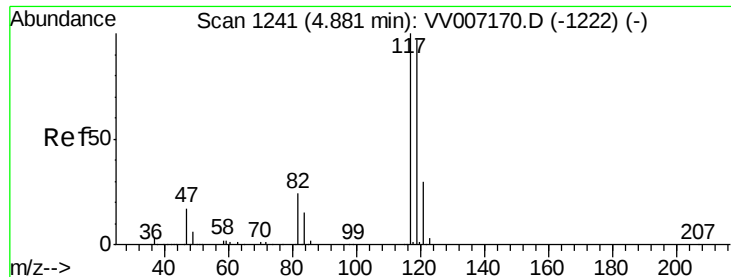
Ion Ratio Lower Upper

97 100

99 61.8 51.6 77.4

61 44.4 34.3 51.5

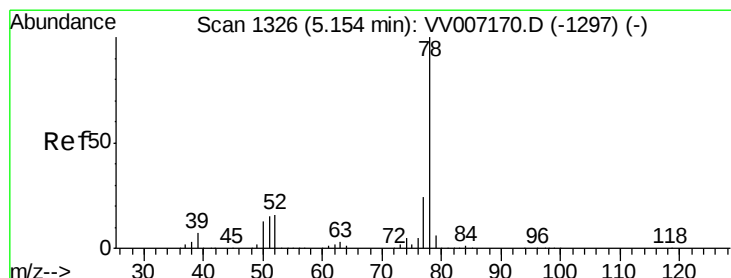
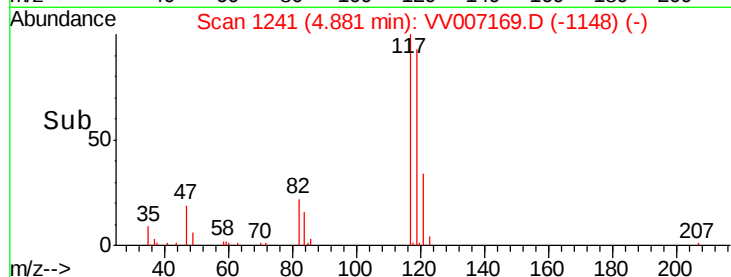
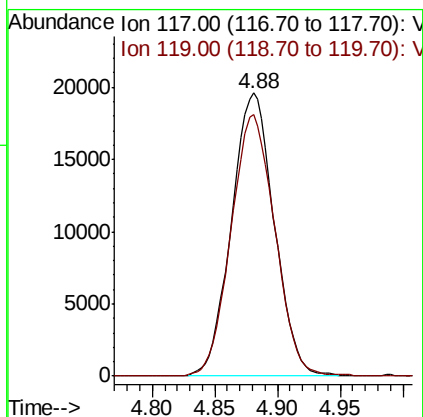
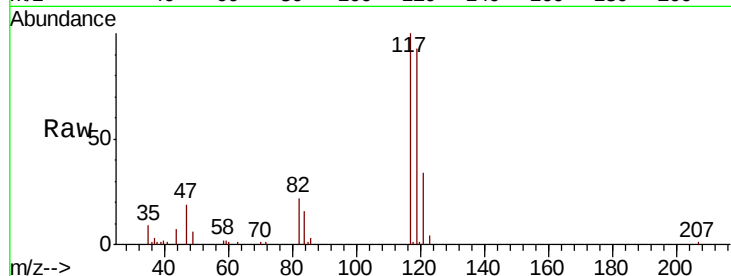




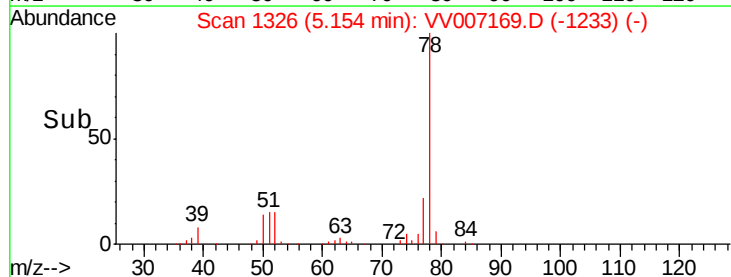
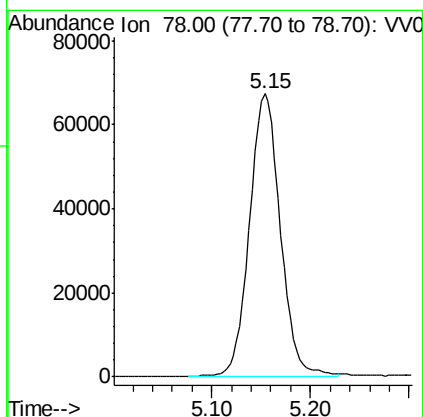
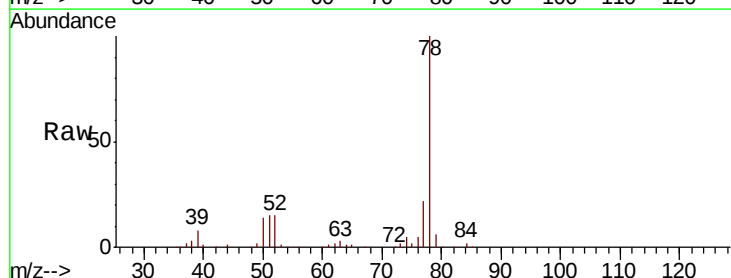
#31
Carbon tetrachloride
Concen: 8.706 ug/L
RT: 4.88 min Scan# 1241
Delta R.T. 0.00 min
Lab File: VV007169.D
Acq: 24 Aug 2018 14:27

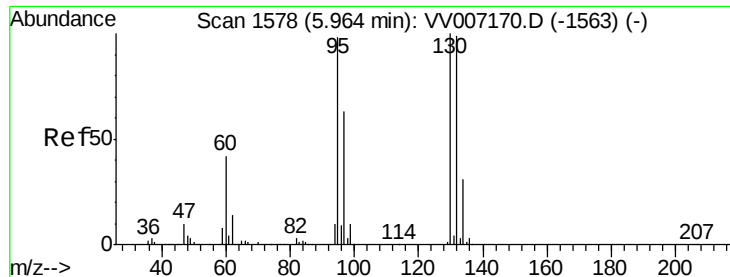
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:117 Resp: 46433
Ion Ratio Lower Upper
117 100
119 94.5 76.9 115.3



#33
Benzene
Concen: 8.564 ug/L
RT: 5.15 min Scan# 1326
Delta R.T. 0.00 min
Lab File: VV007169.D
Acq: 24 Aug 2018 14:27
Tgt Ion: 78 Resp: 145777





#34

Trichloroethene

Concen: 8.914 ug/L

RT: 5.96 min Scan# 1578

Delta R.T. 0.00 min

Lab File: VV007169.D

Acq: 24 Aug 2018 14:27

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion: 95 Resp: 36250

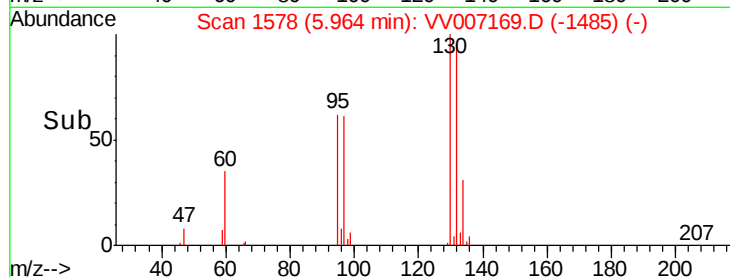
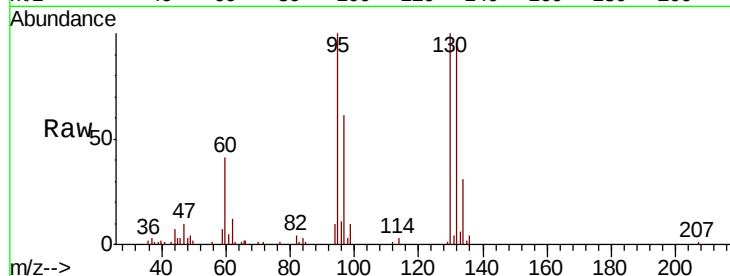
Ion Ratio Lower Upper

95 100

97 61.4 45.4 84.2

132 95.3 70.8 131.4

130 100.2 71.7 133.3

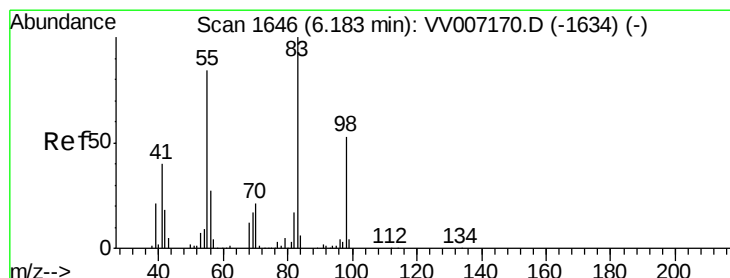
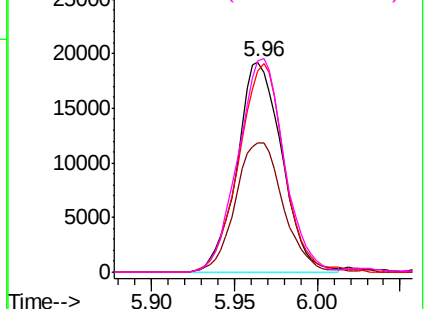


Abundance Ion 95.00 (94.70 to 95.70): VV007169.D (-1485) (-)

Ion 97.00 (96.70 to 97.70): VV007169.D (-1485) (-)

Ion 132.00 (131.70 to 132.70): VV007169.D (-1485) (-)

Ion 130.00 (129.70 to 130.70): VV007169.D (-1485) (-)



#35

Methylcyclohexane

Concen: 7.858 ug/L

RT: 6.18 min Scan# 1645

Delta R.T. -0.00 min

Lab File: VV007169.D

Acq: 24 Aug 2018 14:27

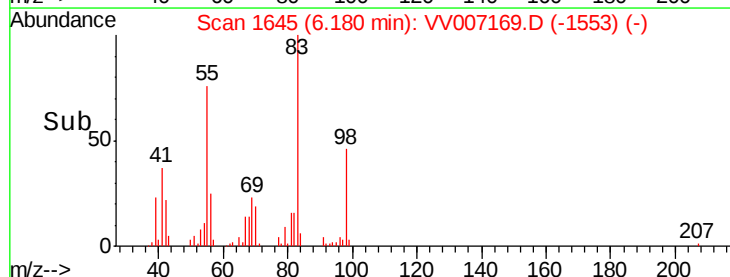
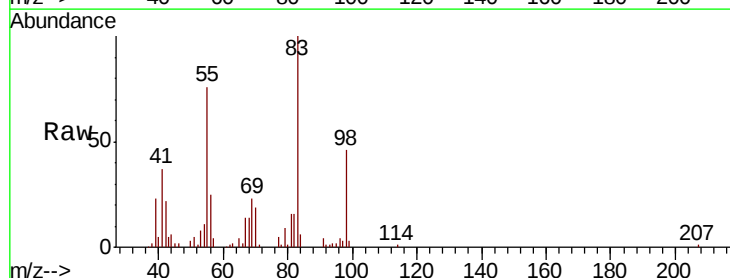
Tgt Ion: 83 Resp: 51031

Ion Ratio Lower Upper

83 100

55 80.1 62.2 93.2

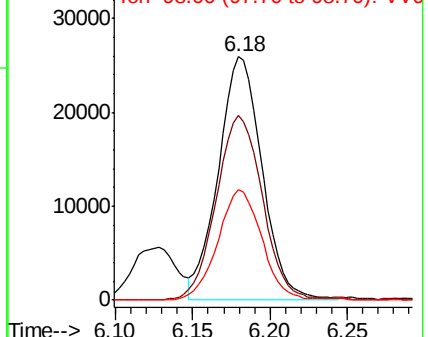
98 45.6 37.9 56.9

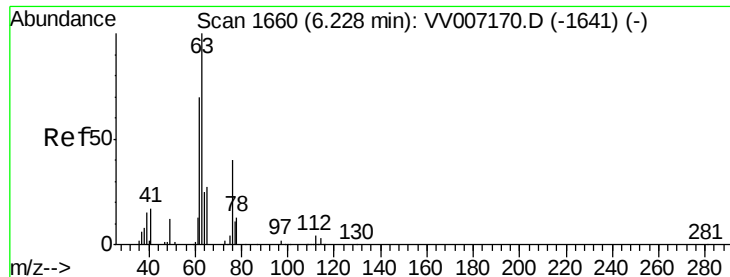


Abundance Ion 83.00 (82.70 to 83.70): VV007169.D (-1553) (-)

Ion 55.00 (54.70 to 55.70): VV007169.D (-1553) (-)

Ion 98.00 (97.70 to 98.70): VV007169.D (-1553) (-)

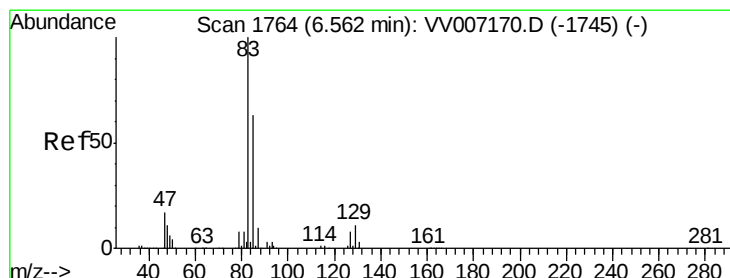
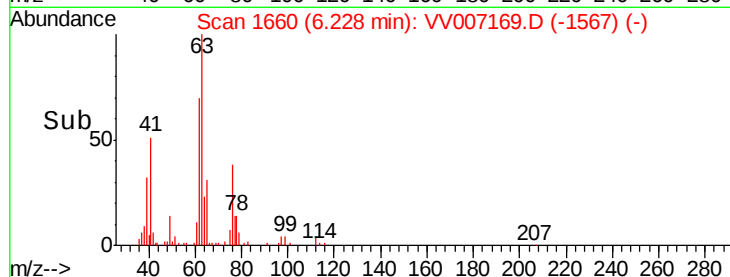
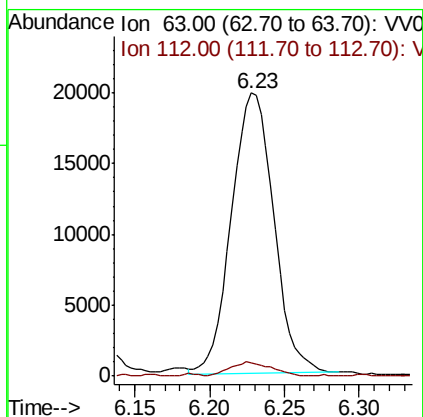
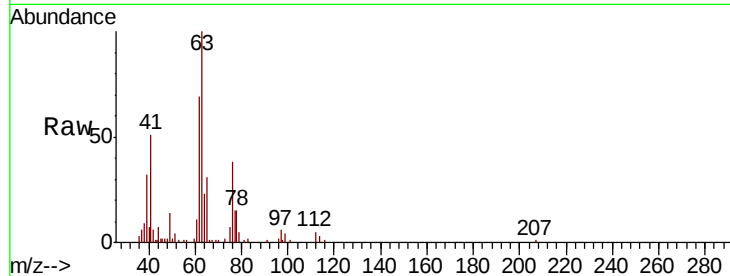




#37
 1,2-Dichloropropane
 Concen: 8.604 ug/L
 RT: 6.23 min Scan# 1660
 Delta R.T. 0.00 min
 Lab File: VV007169.D
 Acq: 24 Aug 2018 14:27

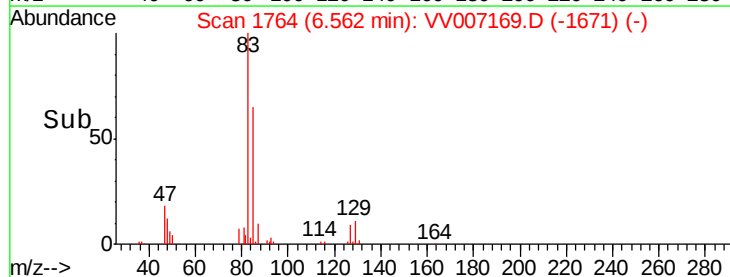
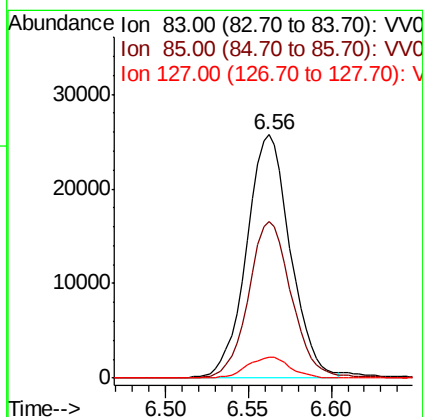
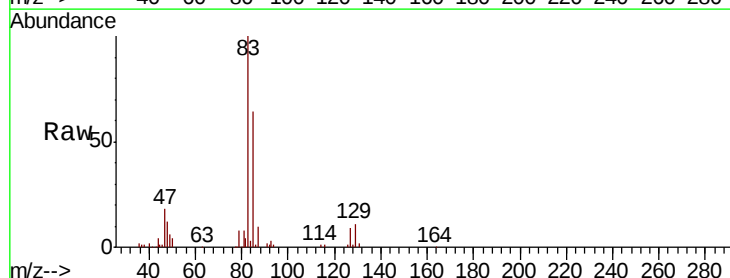
Instrument :
 MSVOA_V
 ClientSampleId :

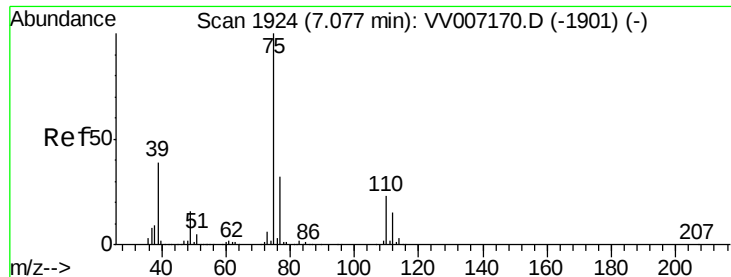
Tot Ion: 63 Resp: 39087
 Ion Ratio Lower Upper
 63 100
 112 4.9 3.6 5.4



#38
 Bromodichloromethane
 Concen: 8.690 ug/L
 RT: 6.56 min Scan# 1764
 Delta R.T. 0.00 min
 Lab File: VV007169.D
 Acq: 24 Aug 2018 14:27

Tgt Ion: 83 Resp: 47245
 Ion Ratio Lower Upper
 83 100
 85 64.5 44.1 81.9
 127 8.6 6.6 10.0



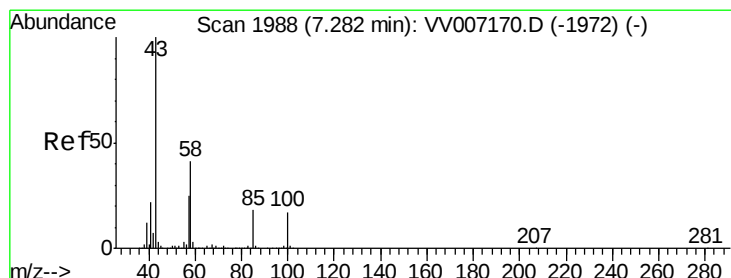
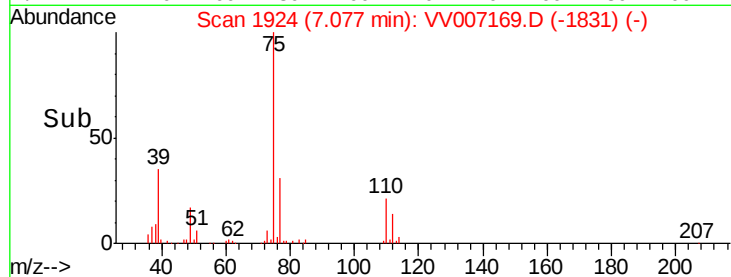
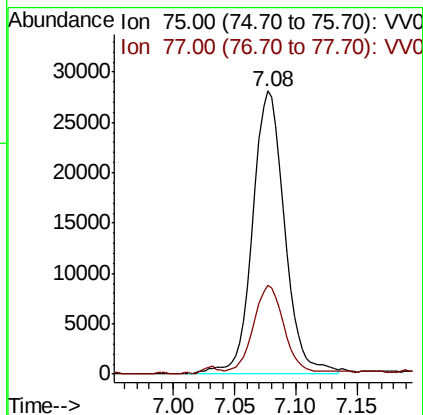
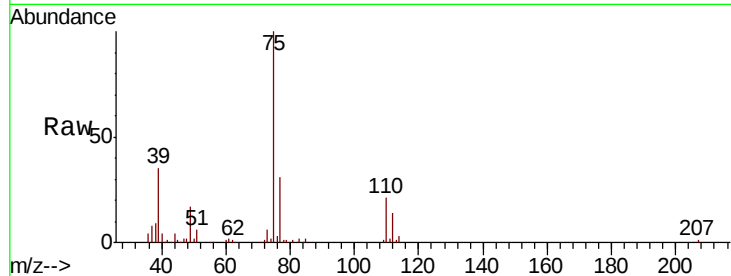


#39

cis-1,3-Dichloropropene
 Concen: 8.301 ug/L
 RT: 7.08 min Scan# 1924
 Delta R.T. 0.00 min
 Lab File: VV007169.D
 Acq: 24 Aug 2018 14:27

Instrument :
 MSVOA_V
 ClientSampleId :

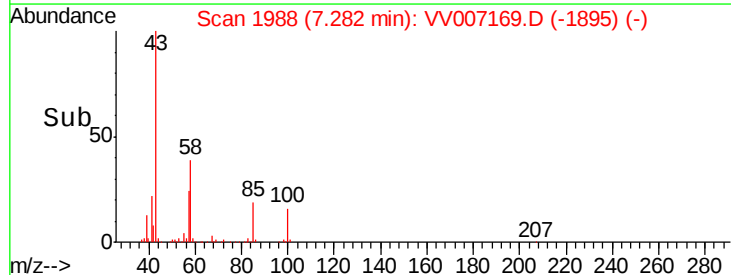
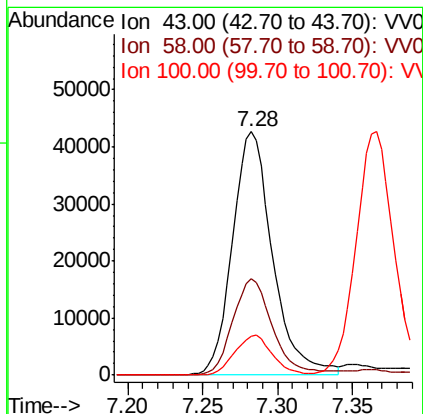
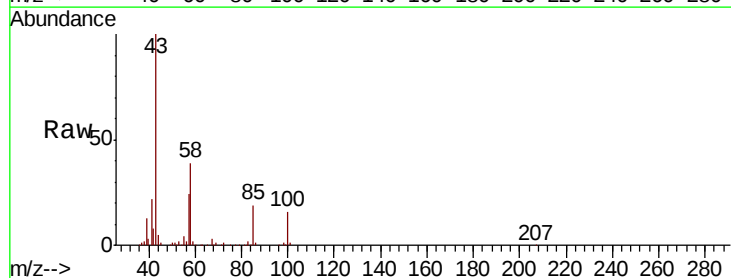
Tot Ion: 75 Resp: 51042
 Ion Ratio Lower Upper
 75 100
 77 31.4 22.2 41.2

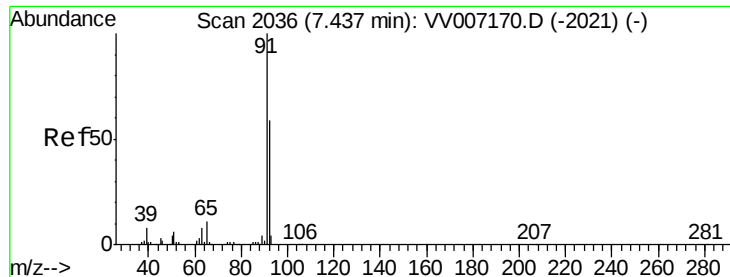


#40

4-Methyl-2-pentanone
 Concen: 14.534 ug/L
 RT: 7.28 min Scan# 1988
 Delta R.T. 0.00 min
 Lab File: VV007169.D
 Acq: 24 Aug 2018 14:27

Tgt Ion: 43 Resp: 79910
 Ion Ratio Lower Upper
 43 100
 58 38.8 31.5 47.3
 100 15.4 12.6 18.8





#42

Toluene

Concen: 7.940 ug/L

RT: 7.44 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VV007169.D

Acq: 24 Aug 2018 14:27

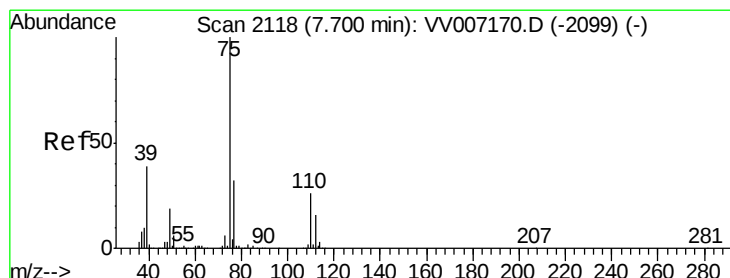
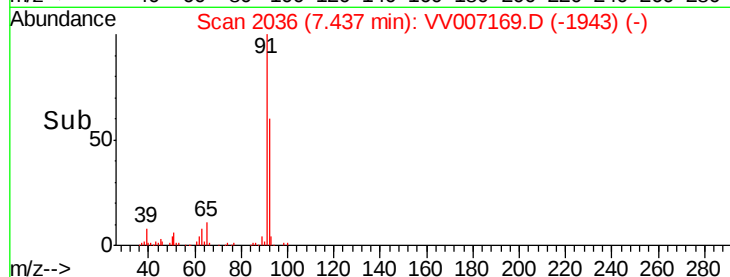
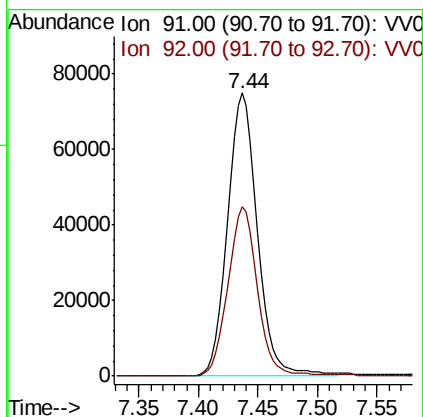
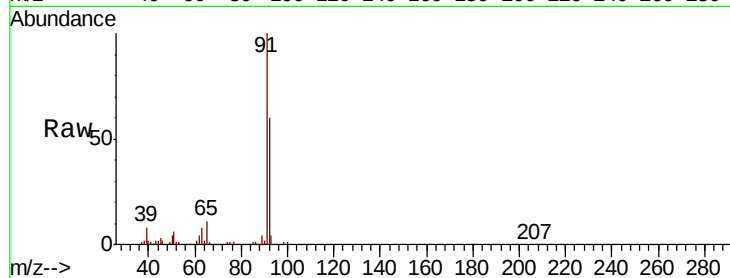
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 130679

Ion Ratio Lower Upper

91 100

92 60.0 41.2 76.6



#44

trans-1,3-Dichloropropene

Concen: 8.095 ug/L

RT: 7.70 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VV007169.D

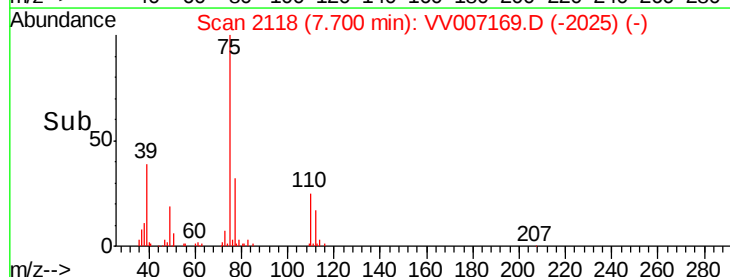
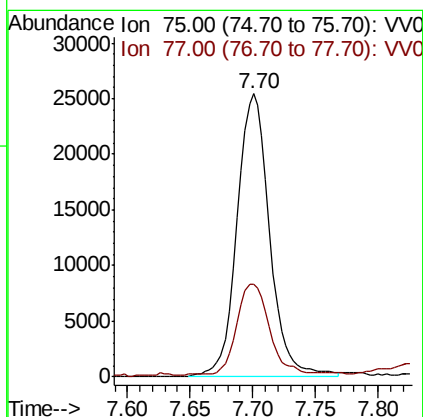
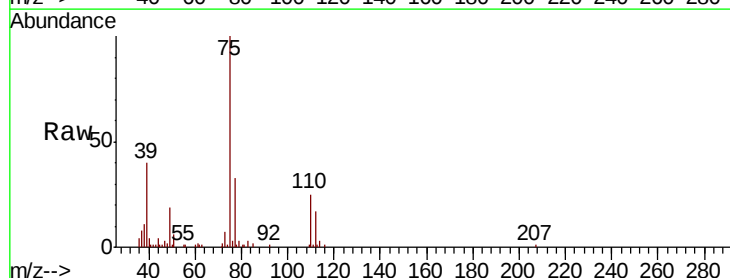
Acq: 24 Aug 2018 14:27

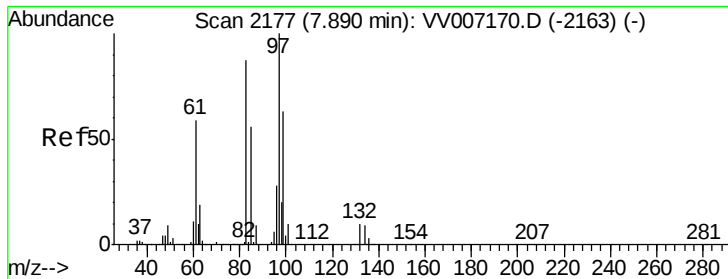
Tgt Ion: 75 Resp: 46239

Ion Ratio Lower Upper

75 100

77 32.9 22.6 42.0

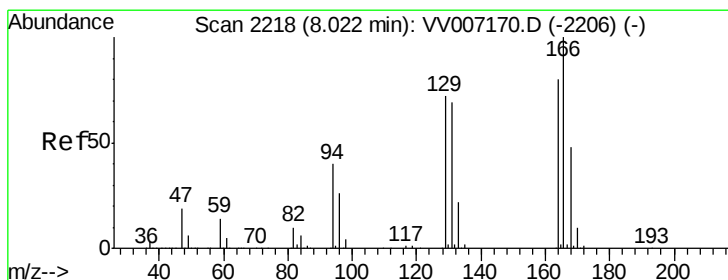
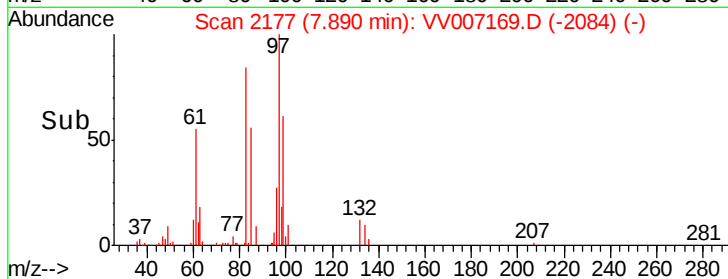
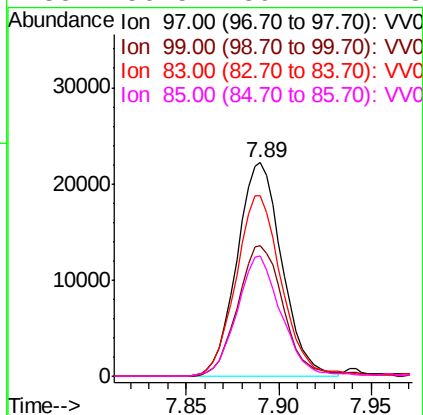
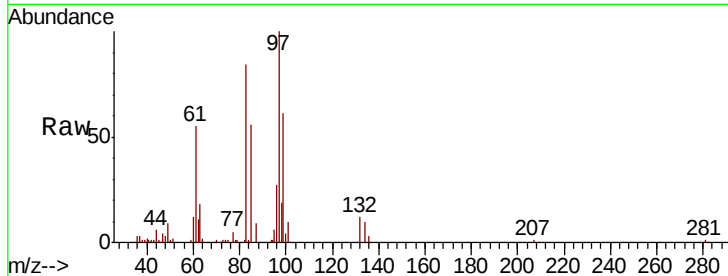




#45
 1,1,2-Trichloroethane
 Concen: 8.845 ug/L
 RT: 7.89 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VV007169.D
 Acq: 24 Aug 2018 14:27

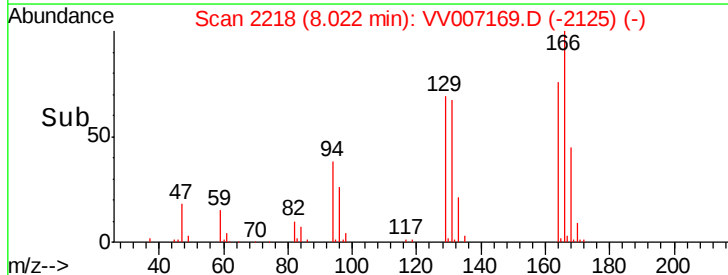
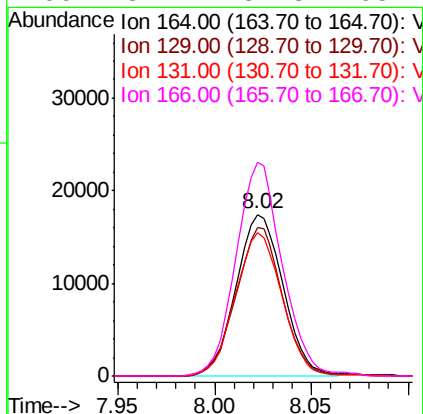
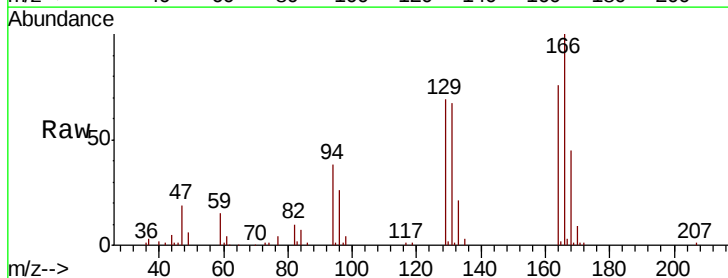
Instrument :
 MSVOA_V
 ClientSampleId :

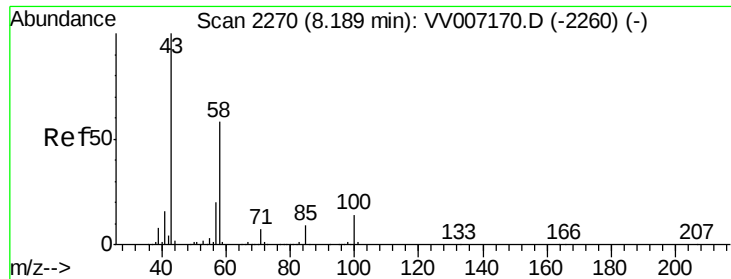
Tot Ion:	97	Resp:	37470
Ion	Ratio	Lower	Upper
97	100		
99	61.2	43.8	81.4
83	84.3	61.0	113.4
85	56.5	39.2	72.8



#46
 Tetrachloroethene
 Concen: 8.914 ug/L
 RT: 8.02 min Scan# 2218
 Delta R.T. 0.00 min
 Lab File: VV007169.D
 Acq: 24 Aug 2018 14:27

Tgt Ion:	164	Resp:	29505
Ion	Ratio	Lower	Upper
164	100		
129	91.6	63.3	117.7
131	89.0	60.6	112.6
166	132.1	87.8	163.2

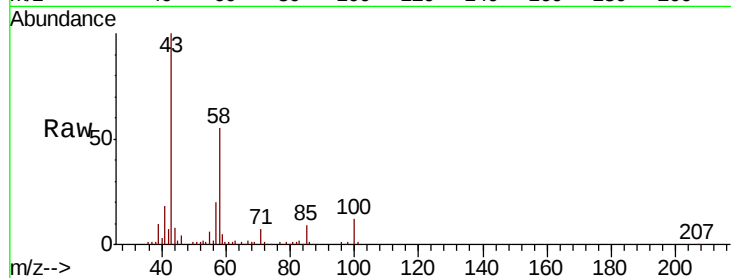




#48
2-Hexanone
Concen: 13.084 ug/L
RT: 8.19 min Scan# 2271
Delta R.T. 0.00 min
Lab File: VV007169.D
Acq: 24 Aug 2018 14:27

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
43	100		
58	62.0	47.3	70.9
57	21.1	16.5	24.7
100	14.1	11.0	16.4



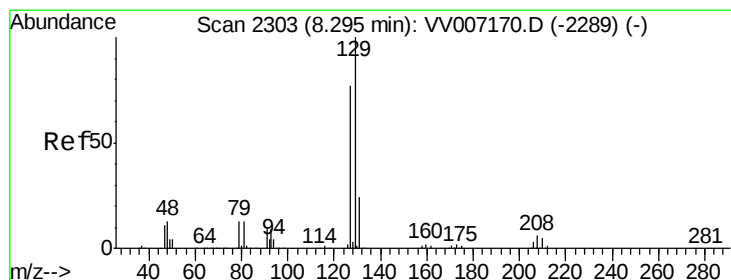
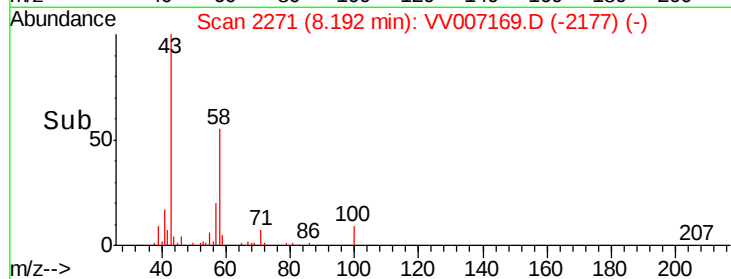
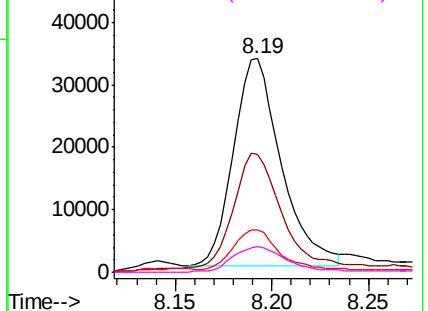
Abundance

Ion 43.00 (42.70 to 43.70): VV007170.D (-2260) (-)

Ion 58.00 (57.70 to 58.70): VV007170.D (-2260) (-)

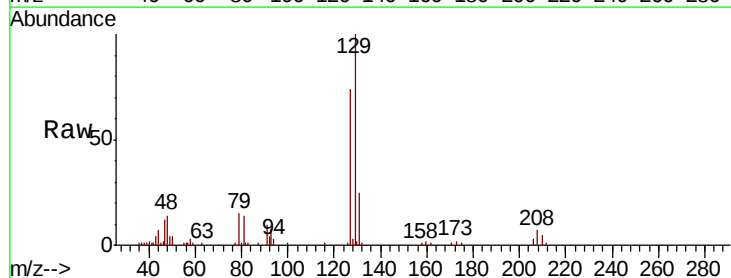
Ion 57.00 (56.70 to 57.70): VV007170.D (-2260) (-)

Ion 100.00 (99.70 to 100.70): VV007170.D (-2260) (-)



#49
Dibromochloromethane
Concen: 8.355 ug/L
RT: 8.30 min Scan# 2303
Delta R.T. 0.00 min
Lab File: VV007169.D
Acq: 24 Aug 2018 14:27

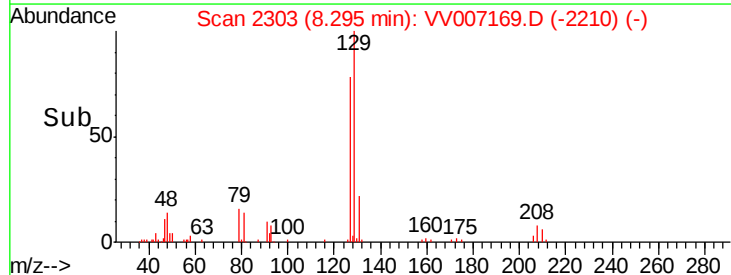
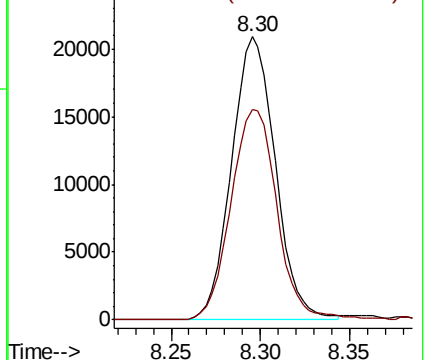
Tgt Ion	Ratio	Lower	Upper
129	100		
127	74.2	54.0	100.2

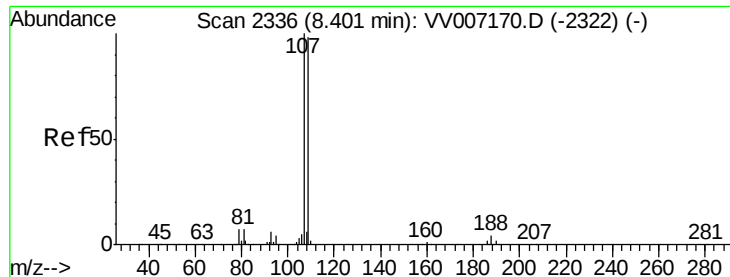


Abundance

Ion 129.00 (128.70 to 129.70): VV007170.D (-2289) (-)

Ion 127.00 (126.70 to 127.70): VV007170.D (-2289) (-)

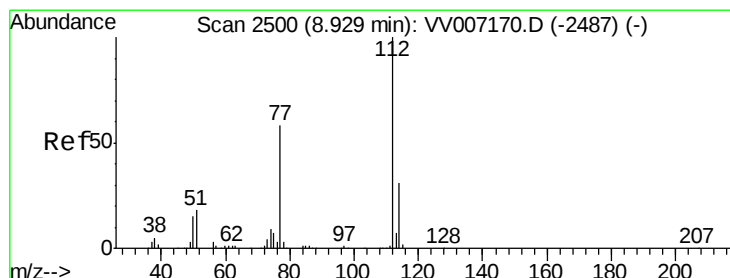
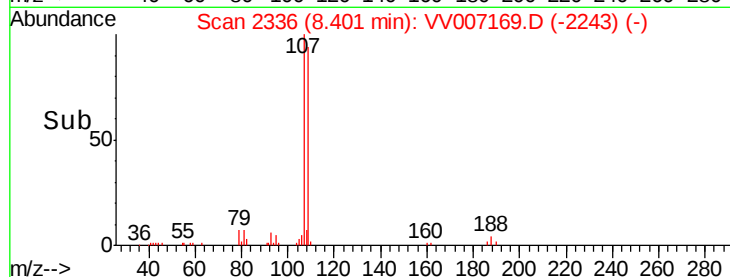
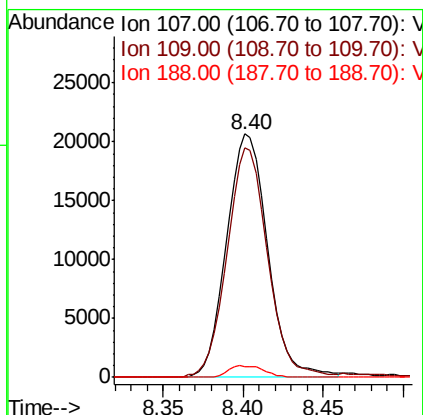
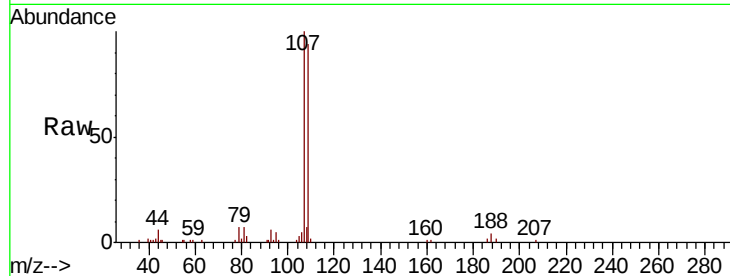




#50
1,2-Dibromoethane
Concen: 8.661 ug/L
RT: 8.40 min Scan# 2336
Delta R.T. 0.00 min
Lab File: VV007169.D
Acq: 24 Aug 2018 14:27

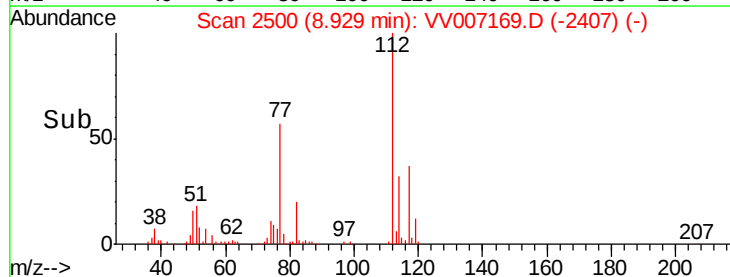
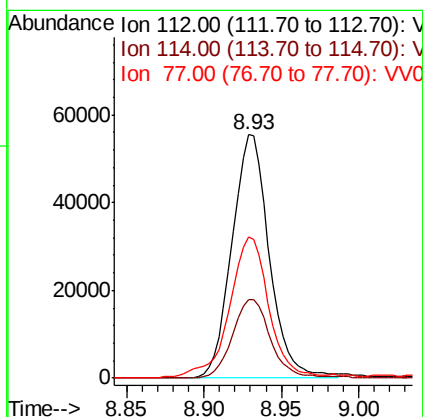
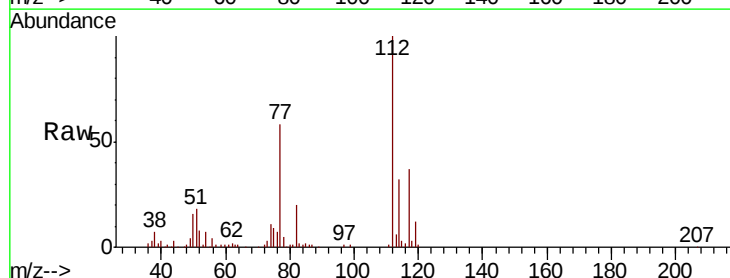
Instrument :
MSVOA_V
ClientSampled :

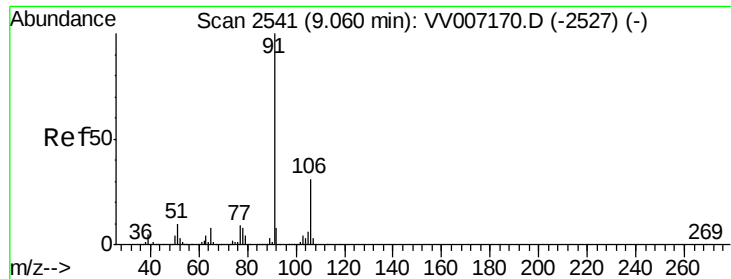
Tot Ion:107 Resp: 36248
Ion Ratio Lower Upper
107 100
109 94.4 68.3 126.8
188 4.5 3.3 4.9



#51
Chlorobenzene
Concen: 8.525 ug/L
RT: 8.93 min Scan# 2500
Delta R.T. 0.00 min
Lab File: VV007169.D
Acq: 24 Aug 2018 14:27

Tgt Ion:112 Resp: 93089
Ion Ratio Lower Upper
112 100
114 32.5 22.0 40.8
77 57.8 46.4 69.6





#52

Ethylbenzene

Concen: 7.556 ug/L

RT: 9.06 min Scan# 2541

Delta R.T. 0.00 min

Lab File: VV007169.D

Acq: 24 Aug 2018 14:27

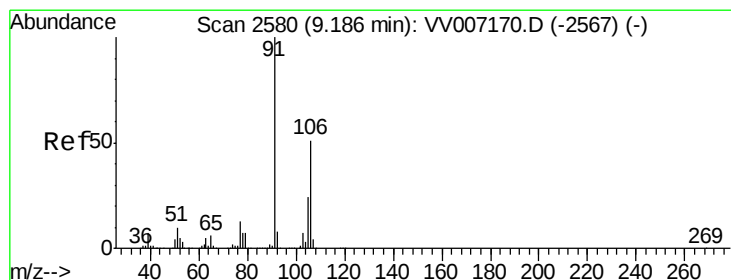
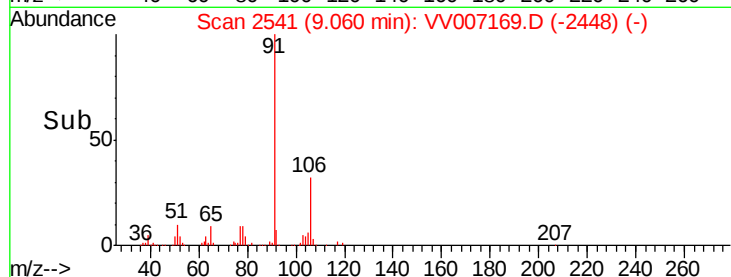
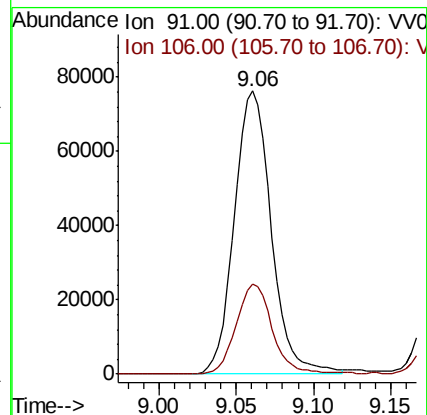
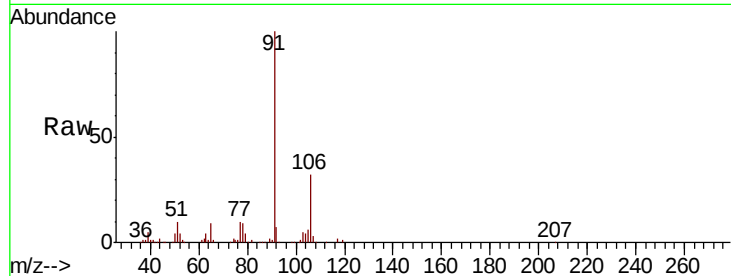
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 126440

Ion Ratio Lower Upper

91 100

106 31.8 22.0 40.8



#53

m,p-Xylene

Concen: 7.019 ug/L

RT: 9.19 min Scan# 2580

Delta R.T. 0.00 min

Lab File: VV007169.D

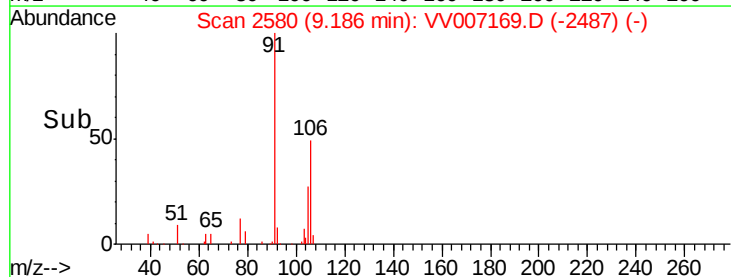
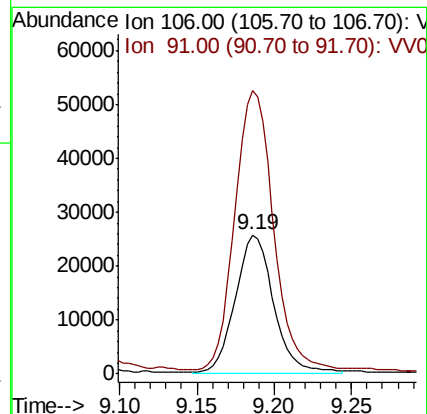
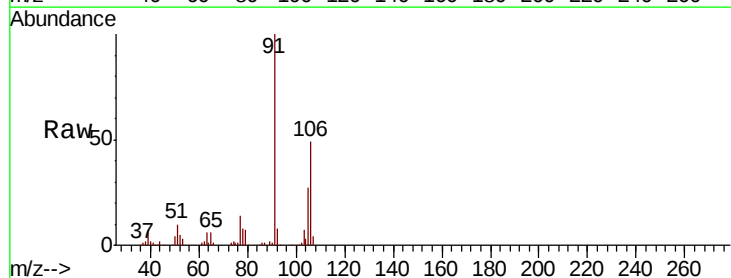
Acq: 24 Aug 2018 14:27

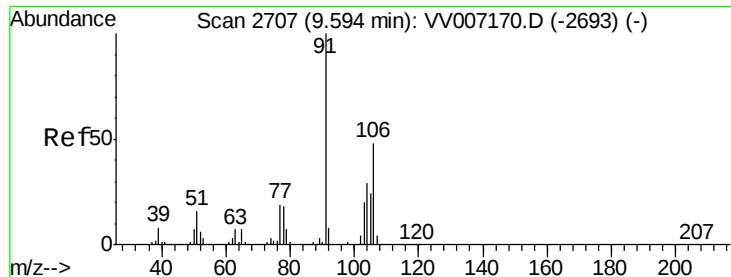
Tgt Ion: 106 Resp: 44936

Ion Ratio Lower Upper

106 100

91 203.9 138.9 258.1





#54

o-xylene

Concen: 7.209 ug/L

RT: 9.59 min Scan# 2706

Delta R.T. -0.00 min

Lab File: VV007169.D

Acq: 24 Aug 2018 14:27

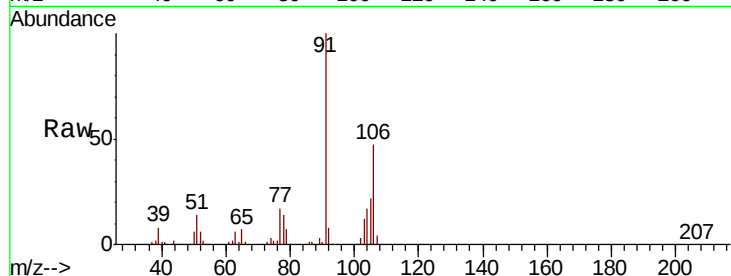
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:106 Resp: 44650

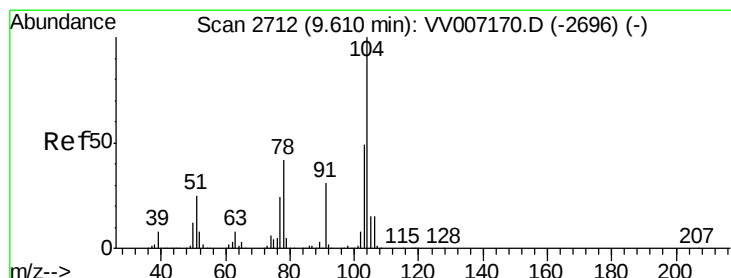
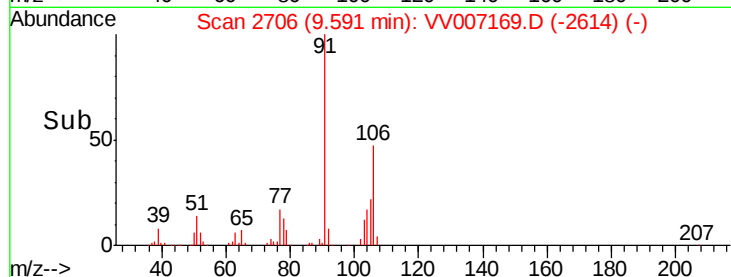
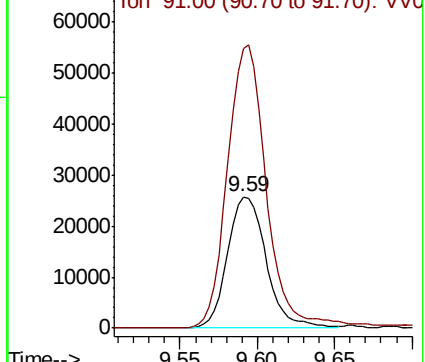
Ion Ratio Lower Upper

106 100

91 212.6 145.2 269.6



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 6.404 ug/L

RT: 9.61 min Scan# 2712

Delta R.T. 0.00 min

Lab File: VV007169.D

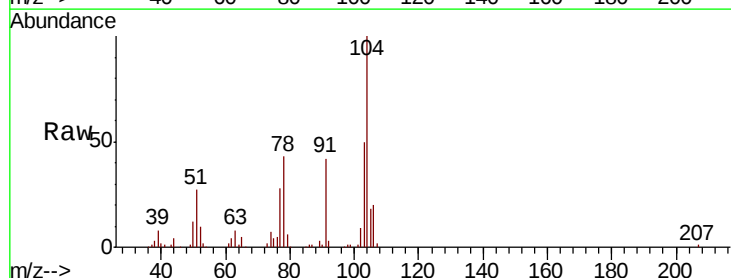
Acq: 24 Aug 2018 14:27

Tgt Ion:104 Resp: 68398

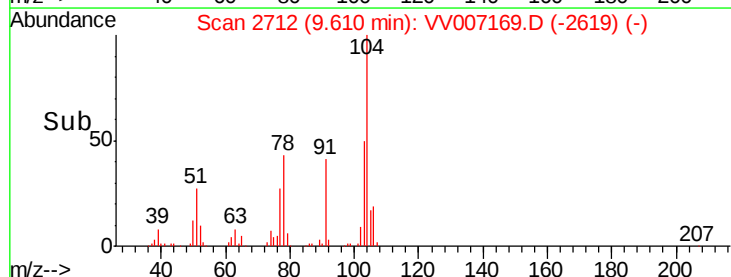
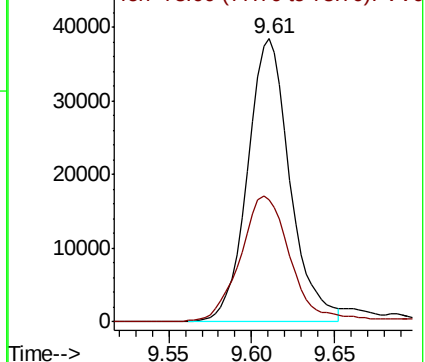
Ion Ratio Lower Upper

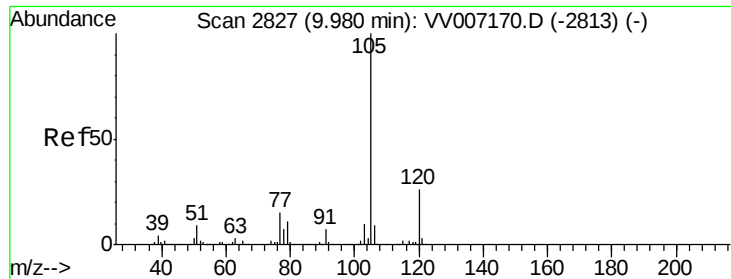
104 100

78 43.1 29.3 54.3



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 7.079 ug/L

RT: 9.98 min Scan# 2827

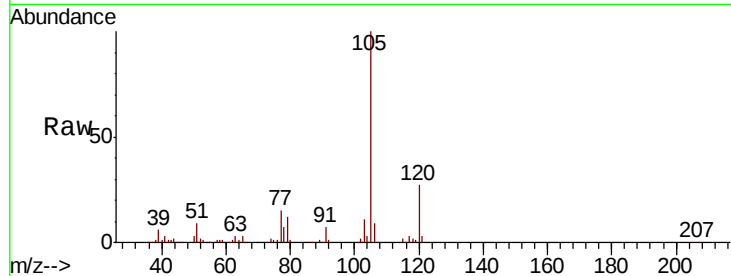
Delta R.T. 0.00 min

Lab File: VV007169.D

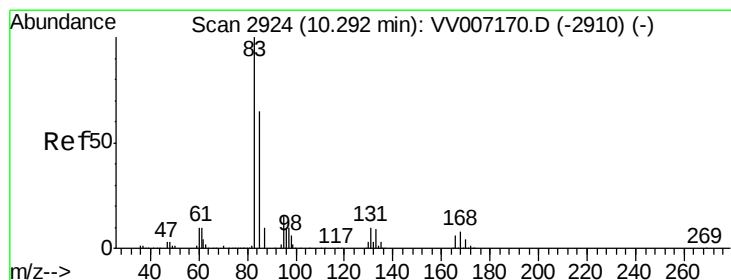
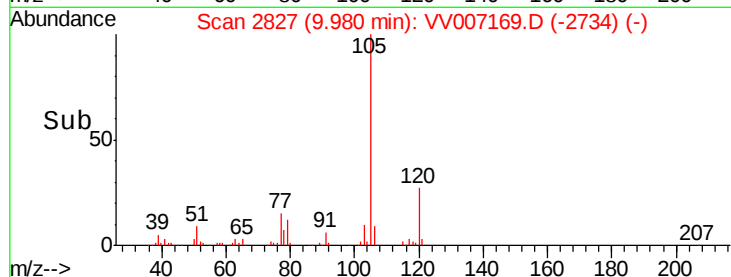
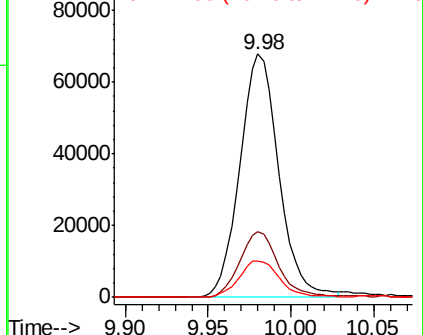
Acq: 24 Aug 2018 14:27

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:	105	Resp:	110841
Ion	Ratio	Lower	Upper
105	100		
120	27.1	21.2	31.8
77	15.9	11.8	17.6



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: 8.047 ug/L

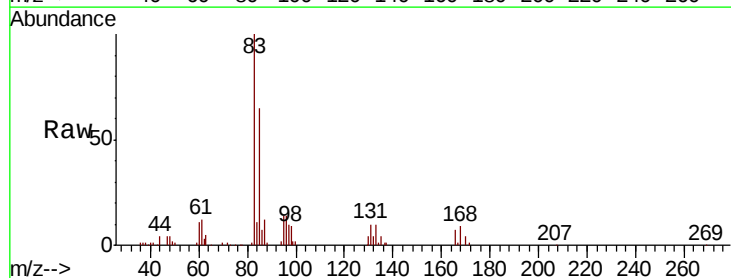
RT: 10.29 min Scan# 2924

Delta R.T. 0.00 min

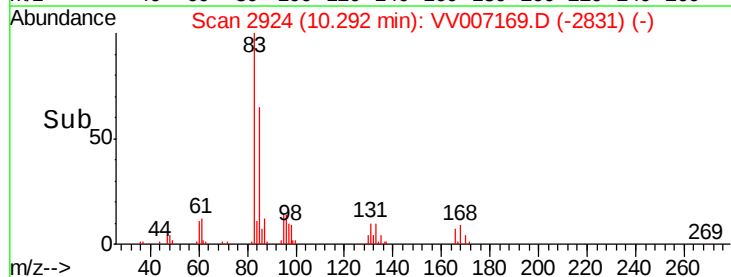
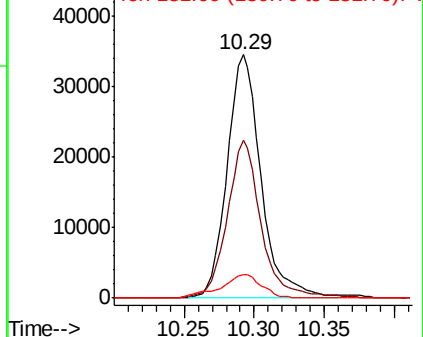
Lab File: VV007169.D

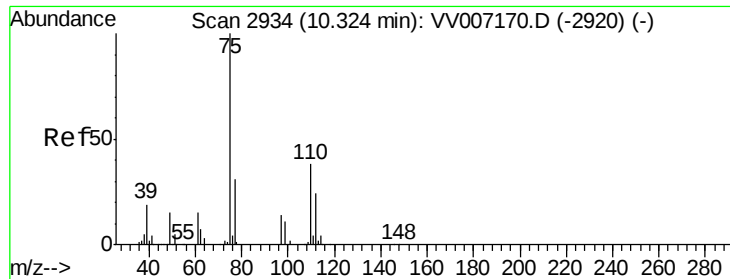
Acq: 24 Aug 2018 14:27

Tgt Ion:	83	Resp:	58230
Ion	Ratio	Lower	Upper
83	100		
85	65.0	45.4	84.2
131	9.8	8.2	12.2



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: 8.384 ug/L

RT: 10.32 min Scan# 2934

Delta R.T. 0.00 min

Lab File: VV007169.D

Acq: 24 Aug 2018 14:27

Instrument :

MSVOA_V

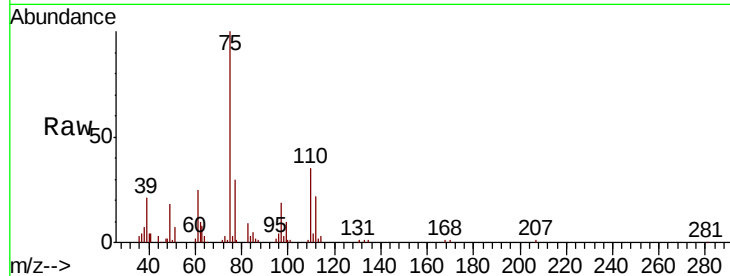
ClientSampleId :

Tot Ion: 75 Resp: 48758

Ion Ratio Lower Upper

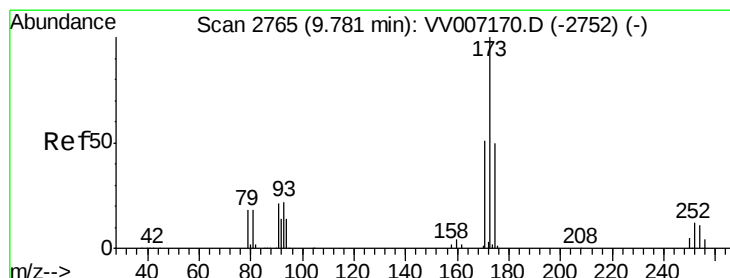
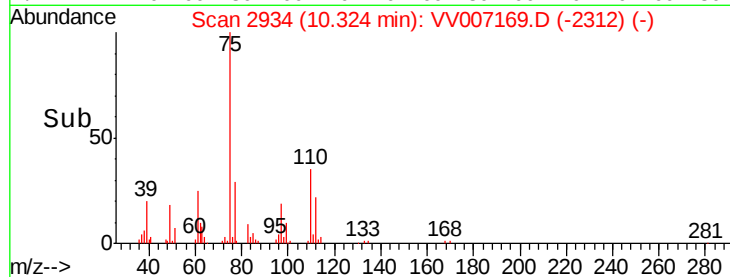
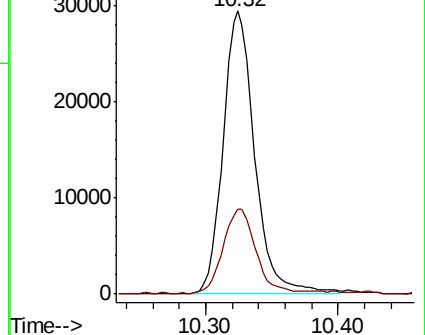
75 100

77 30.3 24.6 37.0



Abundance Ion 75.00 (74.70 to 75.70): VV007170.D (-2920) (-)

Ion 77.00 (76.70 to 77.70): VV007170.D (-2920) (-)



#61

Bromoform

Concen: 8.970 ug/L

RT: 9.78 min Scan# 2765

Delta R.T. 0.00 min

Lab File: VV007169.D

Acq: 24 Aug 2018 14:27

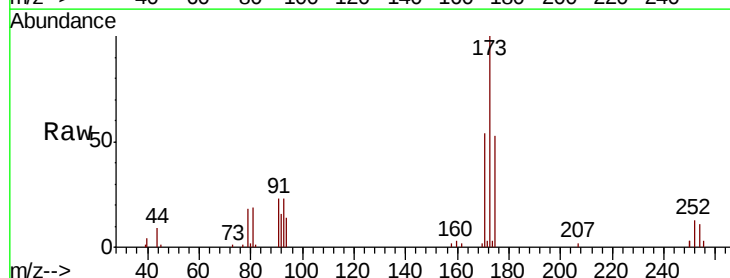
Tgt Ion: 173 Resp: 24360

Ion Ratio Lower Upper

173 100

175 50.2 38.6 58.0

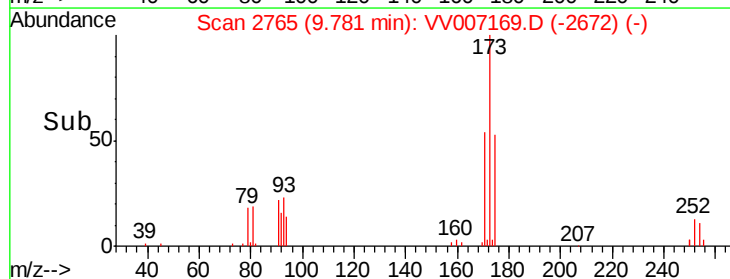
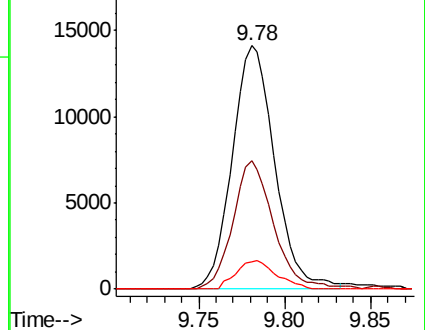
254 11.1 8.6 12.8

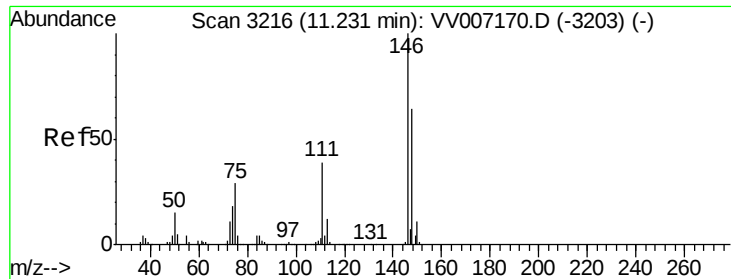


Abundance Ion 173.00 (172.70 to 173.70): VV007170.D (-2752) (-)

Ion 175.00 (174.70 to 175.70): VV007170.D (-2752) (-)

Ion 254.00 (253.70 to 254.70): VV007170.D (-2752) (-)





#62

1,3-Dichlorobenzene

Concen: 8.930 ug/L

RT: 11.23 min Scan# 3217

Delta R.T. 0.00 min

Lab File: VV007169.D

Acq: 24 Aug 2018 14:27

Instrument :

MSVOA_V

ClientSampleId :

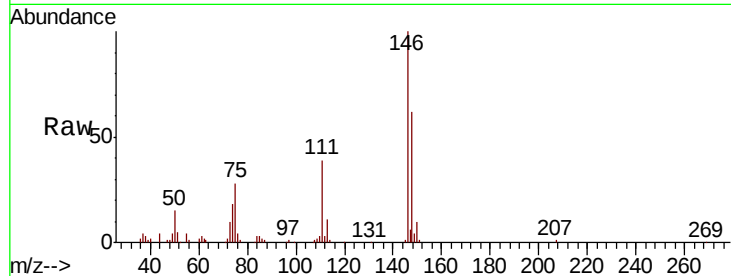
Tot Ion:146 Resp: 58060

Ion Ratio Lower Upper

146 100

111 39.4 27.1 50.3

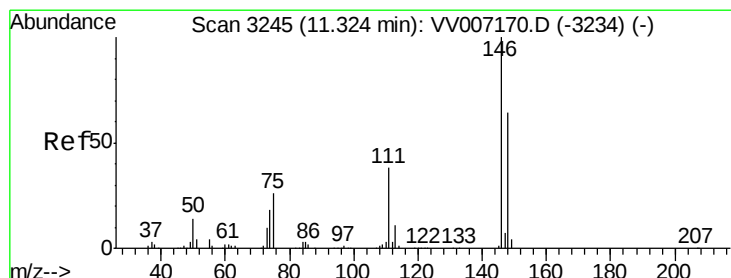
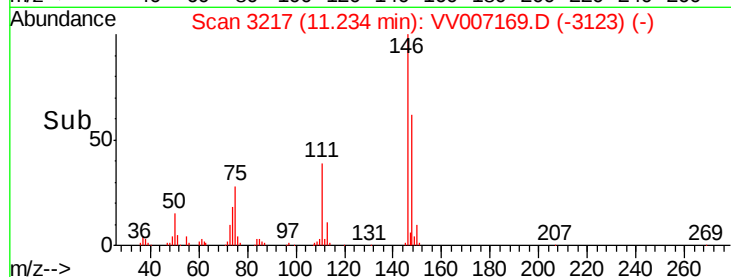
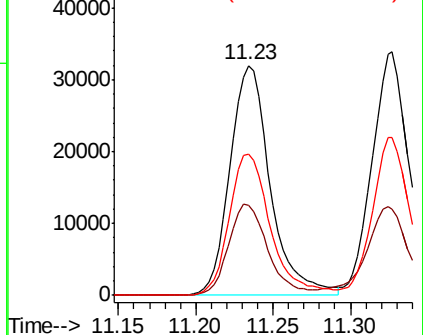
148 61.6 44.8 83.2



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: 8.843 ug/L

RT: 11.33 min Scan# 3246

Delta R.T. 0.00 min

Lab File: VV007169.D

Acq: 24 Aug 2018 14:27

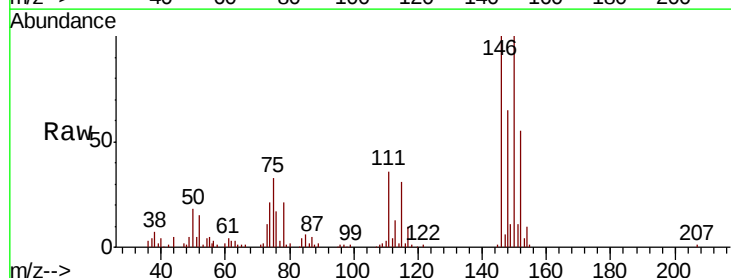
Tgt Ion:146 Resp: 60952

Ion Ratio Lower Upper

146 100

111 35.6 26.7 49.5

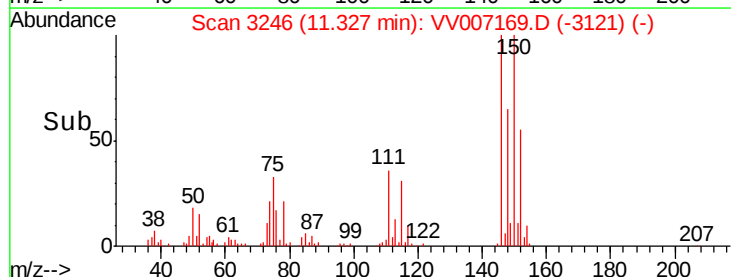
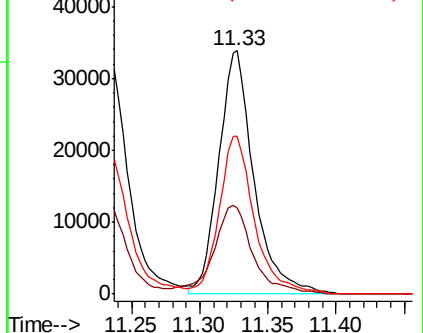
148 64.7 44.7 82.9

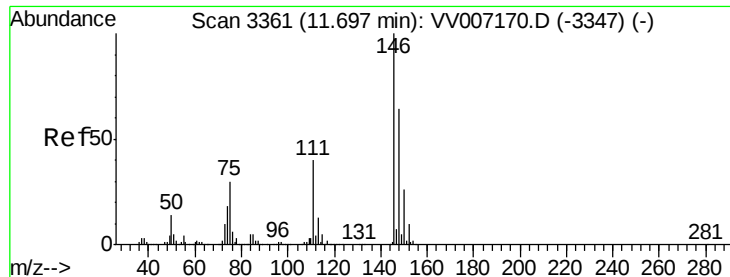


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

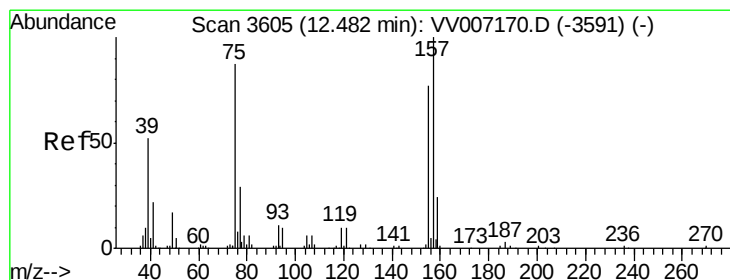
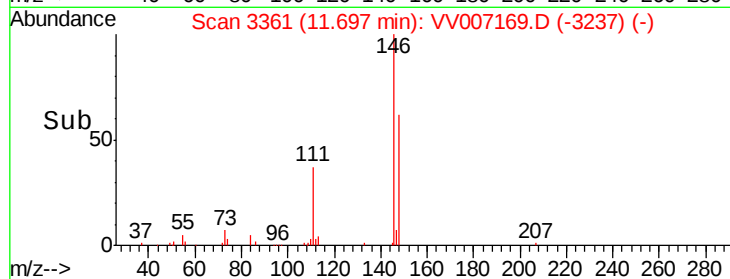
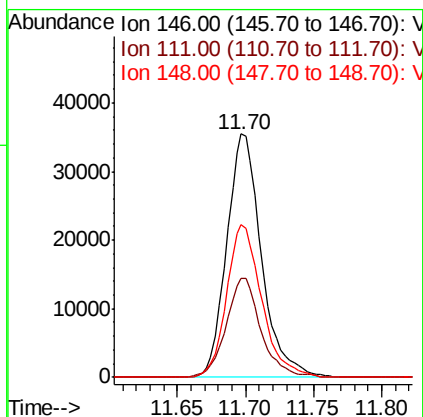
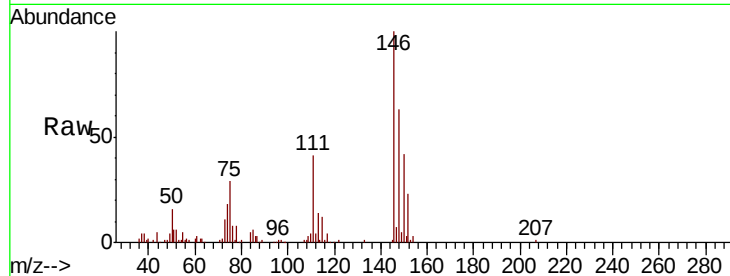




#65
 1,2-Dichlorobenzene
 Concen: 8.832 ug/L
 RT: 11.70 min Scan# 3361
 Delta R.T. 0.00 min
 Lab File: VV007169.D
 Acq: 24 Aug 2018 14:27

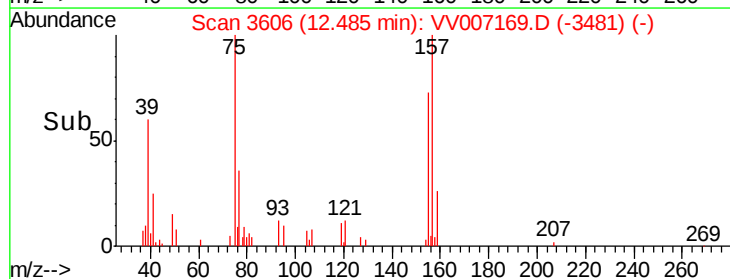
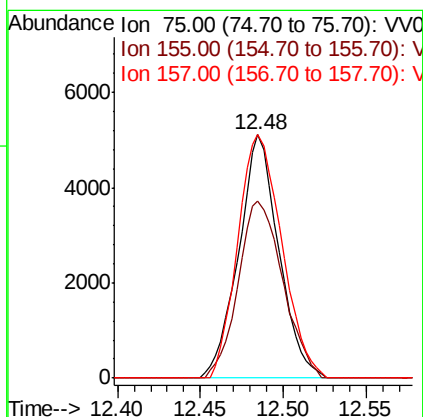
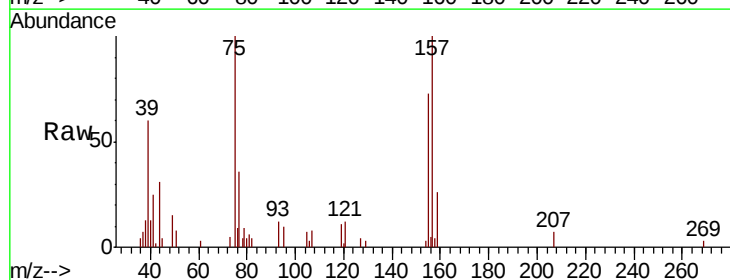
Instrument :
 MSVOA_V
 ClientSampled :

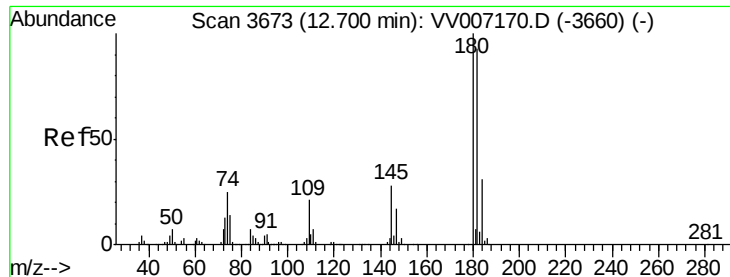
Tot Ion:146 Resp: 62720
 Ion Ratio Lower Upper
 146 100
 111 40.5 32.2 48.2
 148 62.6 51.0 76.6



#66
 1,2-Dibromo-3-chloropropane
 Concen: 8.570 ug/L
 RT: 12.48 min Scan# 3606
 Delta R.T. 0.00 min
 Lab File: VV007169.D
 Acq: 24 Aug 2018 14:27

Tgt Ion: 75 Resp: 8576
 Ion Ratio Lower Upper
 75 100
 155 72.9 70.6 106.0
 157 100.2 91.8 137.8

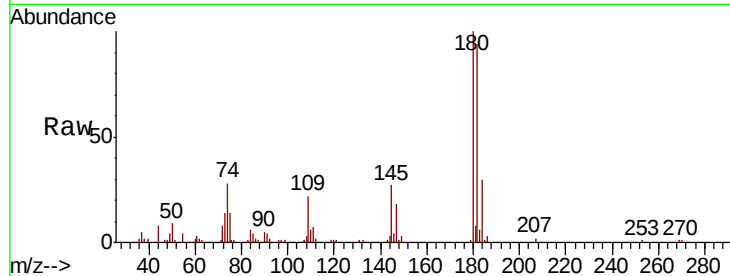




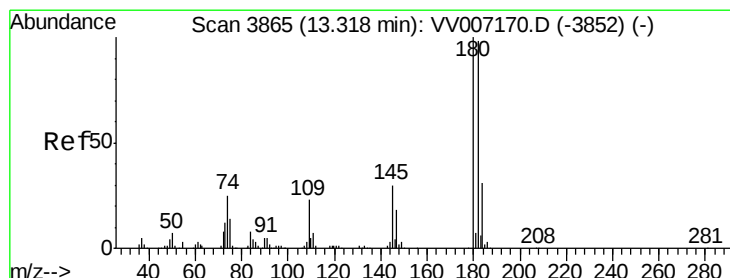
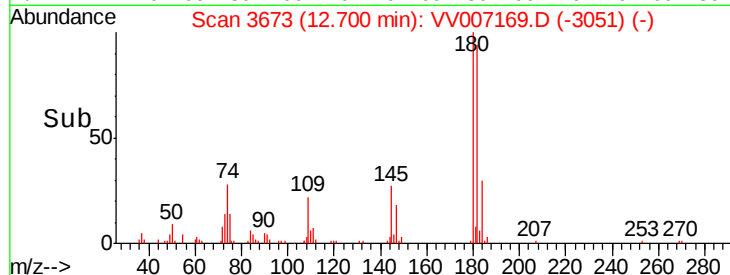
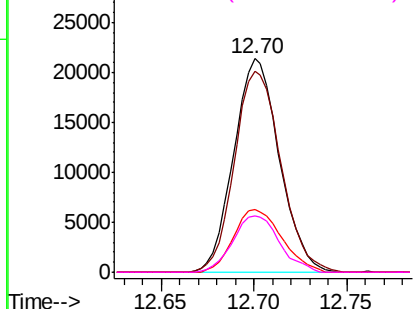
#67
 1,3,5-Trichlorobenzene
 Concen: 8.134 ug/L
 RT: 12.70 min Scan# 3673
 Delta R.T. 0.00 min
 Lab File: VV007169.D
 Acq: 24 Aug 2018 14:27

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:180	Resp:	36550
Ion	Ratio	Lower Upper
180	100	
182	95.8	75.8 113.8
184	31.1	24.4 36.6
145	27.1	22.6 33.8

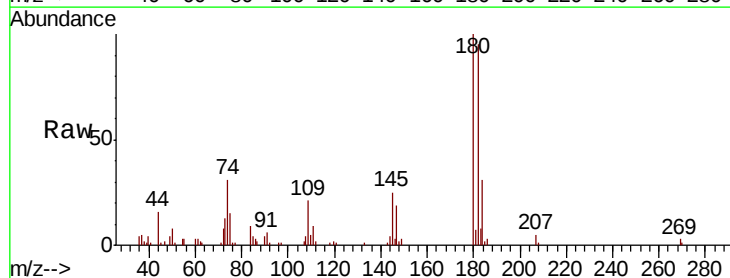


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

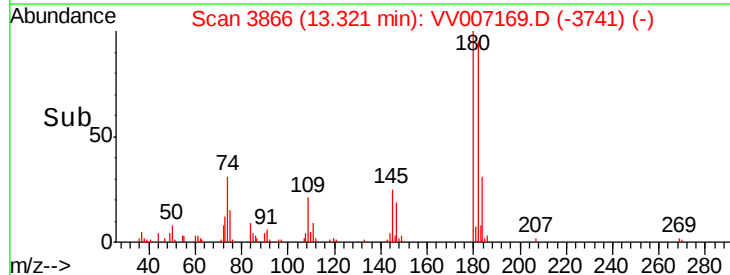
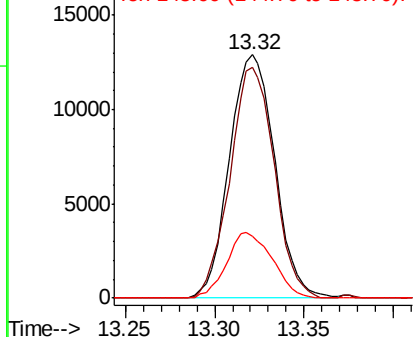


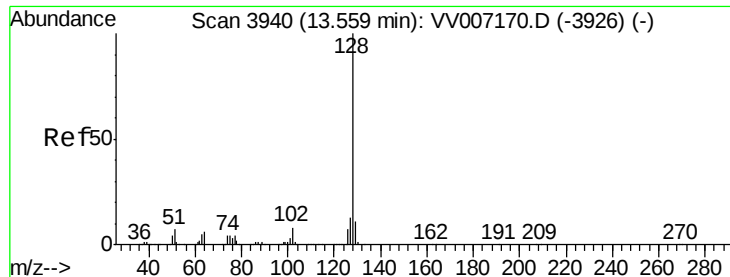
#68
 1,2,4-trichlorobenzene
 Concen: 7.425 ug/L
 RT: 13.32 min Scan# 3866
 Delta R.T. 0.00 min
 Lab File: VV007169.D
 Acq: 24 Aug 2018 14:27

Tgt Ion:180	Resp:	22803
Ion	Ratio	Lower Upper
180	100	
182	92.4	77.6 116.4
145	27.1	23.4 35.2



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





#69

Naphthalene

Concen: 6.626 ug/L

RT: 13.56 min Scan# 3941

Delta R.T. 0.00 min

Lab File: VV007169.D

Acq: 24 Aug 2018 14:27

Instrument :

MSVOA_V

ClientSampleId :

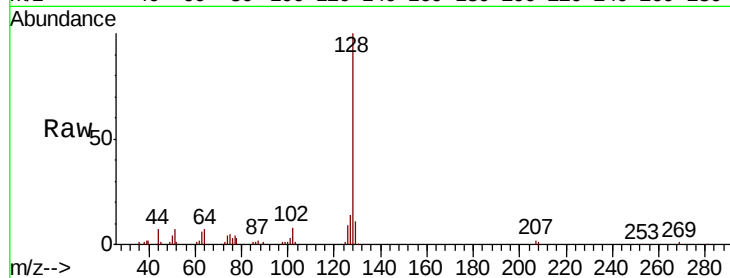
Tot Ion:128 Resp: 55048

Ion Ratio Lower Upper

128 100

127 13.7 10.3 15.5

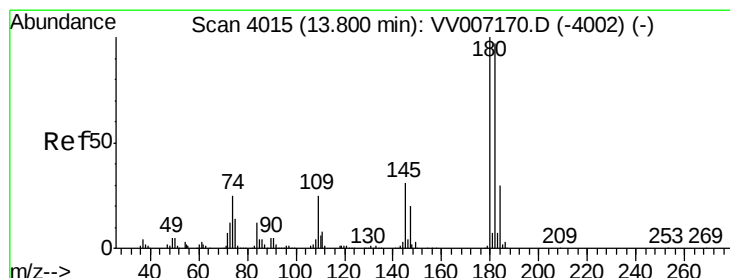
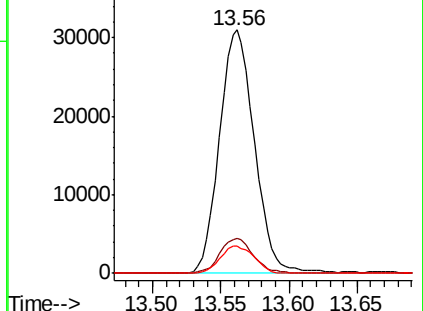
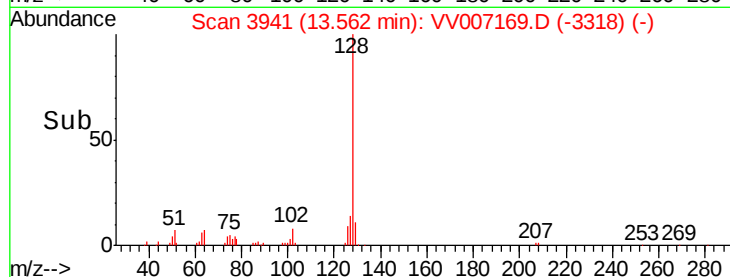
129 10.9 8.7 13.1



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: 7.344 ug/L

RT: 13.80 min Scan# 4016

Delta R.T. 0.00 min

Lab File: VV007169.D

Acq: 24 Aug 2018 14:27

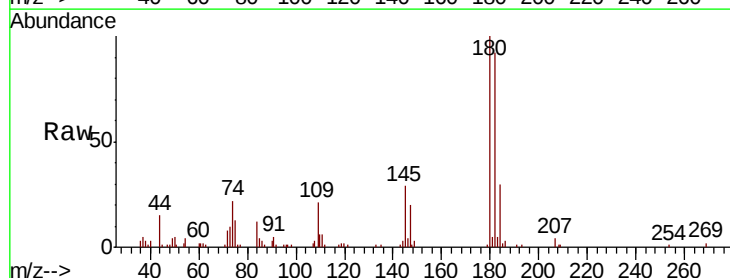
Tgt Ion:180 Resp: 24483

Ion Ratio Lower Upper

180 100

182 95.4 77.0 115.4

145 30.5 24.7 37.1



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

