

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV083018\
 Data File : VV007264.D
 Acq On : 30 Aug 2018 15:38
 Operator : SY/MD
 Sample : VSTD00164
 Misc : 25.0 mL/MSVOA V/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Aug 31 01:34:10 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR083018WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Aug 31 01:32:19 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	298884	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	299470	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	131981	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	25720	1.15	ug/L	0.00
7) Chloroethane-d5	1.58	69	20085	1.13	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	41926	1.10	ug/L	0.00
20) 2-Butanone-d5	3.97	46	46014	8.83	ug/L	0.00
24) Chloroform-d	4.41	84	44193	1.01	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.09	65	19862	0.92	ug/L	0.00
32) Benzene-d6	5.11	84	81451	0.93	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.13	67	26270	0.93	ug/L	0.00
41) Toluene-d8	7.37	98	68336	0.89	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.67	79	8716	0.87	ug/L	0.00
46) 2-Hexanone-d5	8.15	63	23838	8.44	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.27	84	19358	0.91	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.68	152	23728	0.93	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	24443	1.058	ug/L 99
3) Chloromethane	1.25	50	26279	1.051	ug/L 98
5) Vinyl chloride	1.32	62	24595	1.025	ug/L 92
6) Bromomethane	1.54	94	13013	1.404	ug/L 94
8) Chloroethane	1.60	64	15451	1.072	ug/L 100
9) Trichlorofluoromethane	1.77	101	31765	0.969	ug/L 98
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	18324	0.899	ug/L 98
12) 1,1-Dichloroethene	2.15	96	17919	0.972	ug/L 97
13) Acetone	2.21	43	28092	10.662	ug/L 99
14) Carbon disulfide	2.32	76	59312	1.058	ug/L 98
15) Methyl Acetate	2.47	43	6176	0.883	ug/L 93
16) Methylene chloride	2.54	84	22206	1.003	ug/L 100
17) Methyl tert-butyl Ether	2.81	73	40516	0.877	ug/L 99
18) trans-1,2-Dichloroethene	2.79	96	20582	1.003	ug/L 97
19) 1,1-Dichloroethane	3.23	63	39046	0.969	ug/L 96
21) 2-Butanone	4.05	43	40771	7.603	ug/L 99
22) cis-1,2-Dichloroethene	3.97	96	20612	0.883	ug/L 98
23) Bromochloromethane	4.31	128	9584	0.917	ug/L 92
25) Chloroform	4.44	83	38665	0.939	ug/L 99
27) 1,2-Dichloroethane	5.19	62	21487	0.896	ug/L 99
29) 1,1,1-Trichloroethane	4.66	97	32366	0.924	ug/L 98
30) Cyclohexane	4.73	56	27244	0.861	ug/L 100
31) Carbon tetrachloride	4.88	117	26195	0.877	ug/L 98
33) Benzene	5.15	78	78098	0.869	ug/L 100
34) Trichloroethene	5.96	95	19274	0.855	ug/L 97
35) Methylcyclohexane	6.18	83	25883	0.770	ug/L 95
37) 1,2-Dichloropropane	6.23	63	20920	0.884	ug/L 99
38) Bromodichloromethane	6.56	83	25204	0.891	ug/L 99
39) cis-1,3-Dichloropropene	7.08	75	24144	0.822	ug/L 93
40) 4-Methyl-2-pentanone	7.29	43	82258	6.835	ug/L 97

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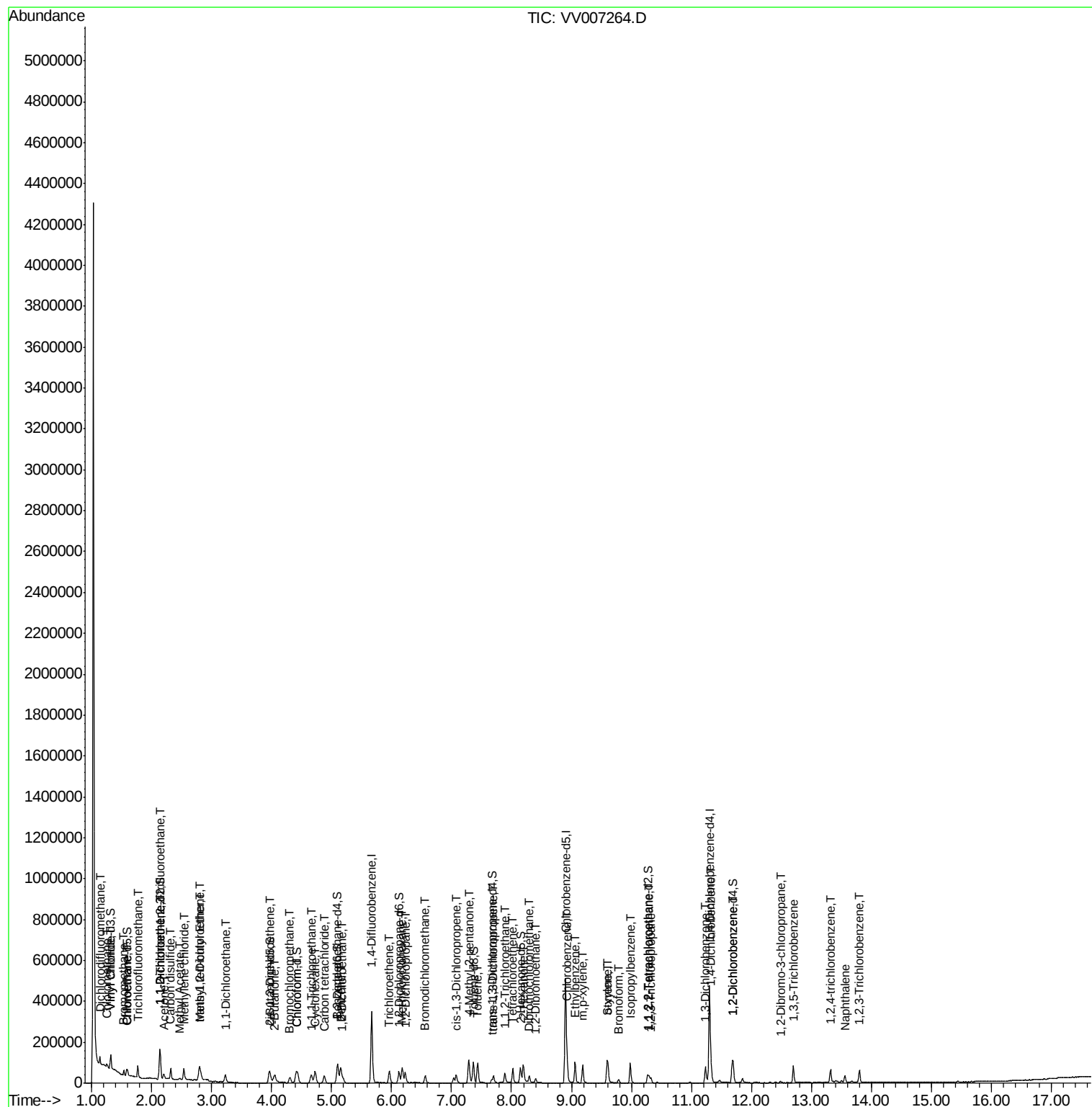
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.44	91	74392	0.838	ug/L	99
44) trans-1,3-Dichloropropene	7.70	75	19600	0.798	ug/L	94
45) 1,1,2-Trichloroethane	7.89	97	14255	0.855	ug/L	98
47) Tetrachloroethene	8.02	164	16509	0.882	ug/L	96
48) 2-Hexanone	8.20	43	59444	6.654	ug/L	94
49) Dibromochloromethane	8.30	129	15831	0.833	ug/L	94
50) 1,2-Dibromoethane	8.40	107	12400	0.862	ug/L	100
51) Chlorobenzene	8.93	112	50561	0.849	ug/L	97
52) Ethylbenzene	9.06	91	70725	0.793	ug/L	99
53) m,p-xylene	9.19	106	25868	0.754	ug/L	94
54) o-xylene	9.59	106	24820	0.780	ug/L	96
55) Styrene	9.61	104	39053	0.698	ug/L	99
56) Isopropylbenzene	9.98	105	59961	0.715	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	16804	0.858	ug/L	100
59) 1,2,3-Trichloropropane	10.32	75	10999	0.783	ug/L	97
61) Bromoform	9.78	173	8740	0.896	ug/L	99
62) 1,3-Dichlorobenzene	11.23	146	33664	0.852	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	35446	0.845	ug/L	98
65) 1,2-Dichlorobenzene	11.70	146	33589	0.846	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.48	75	2243	0.944	ug/L	93
67) 1,3,5-Trichlorobenzene	12.70	180	26147	0.884	ug/L	96
68) 1,2,4-trichlorobenzene	13.31	180	21002	1.031	ug/L	97
69) Naphthalene	13.56	128	27085	1.010	ug/L	99
70) 1,2,3-Trichlorobenzene	13.80	180	19691	0.989	ug/L	99

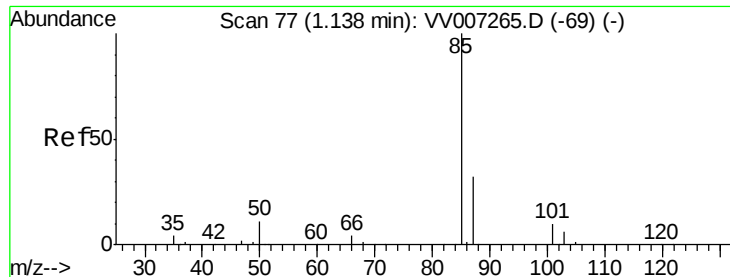
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 1.058 ug/L

RT: 1.14 min Scan# 78

Delta R.T. 0.00 min

Lab File: VV007264.D

Acq: 30 Aug 2018 15:38

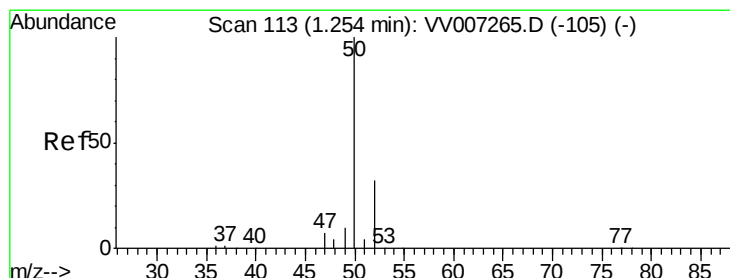
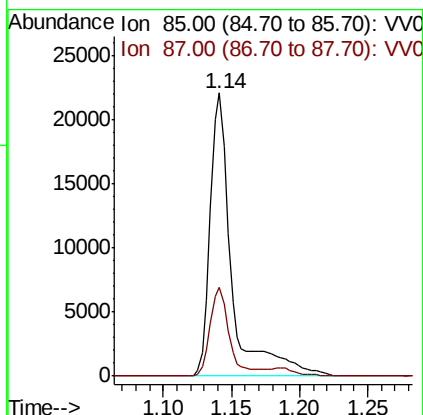
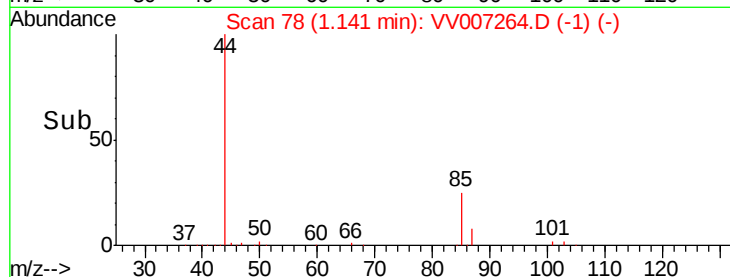
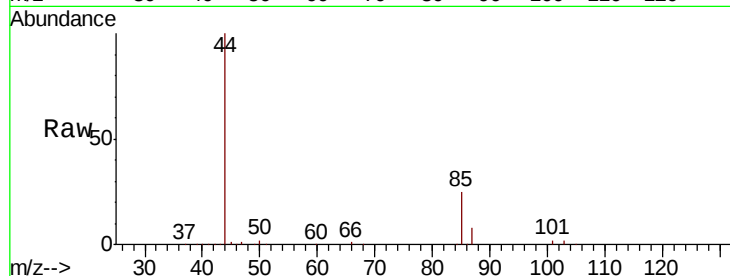
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 85 Resp: 24443

Ion Ratio Lower Upper

85 100

87 27.3 21.4 32.0



#3

Chloromethane

Concen: 1.051 ug/L

RT: 1.25 min Scan# 113

Delta R.T. 0.00 min

Lab File: VV007264.D

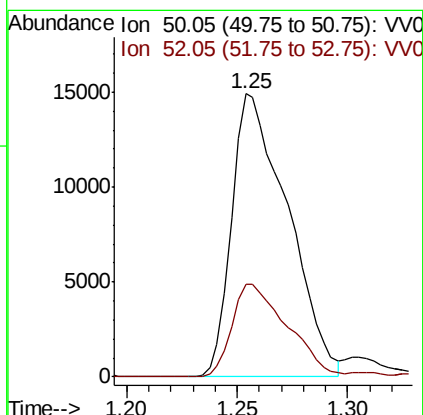
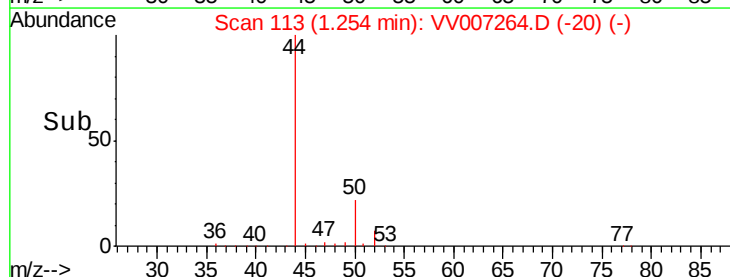
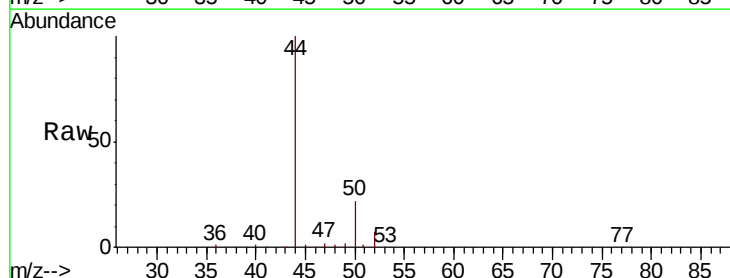
Acq: 30 Aug 2018 15:38

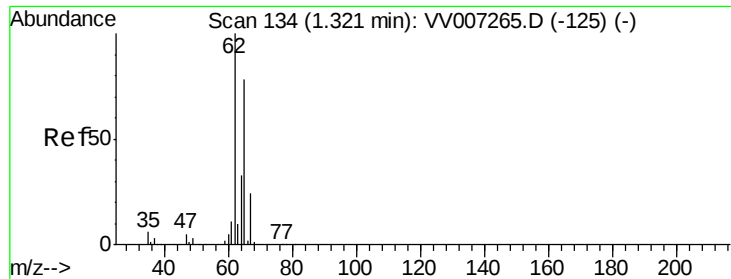
Tgt Ion: 50 Resp: 26279

Ion Ratio Lower Upper

50 100

52 32.9 22.4 41.6





#5

Vinyl chloride

Concen: 1.025 ug/L

RT: 1.32 min Scan# 135

Delta R.T. 0.00 min

Lab File: VV007264.D

Acq: 30 Aug 2018 15:38

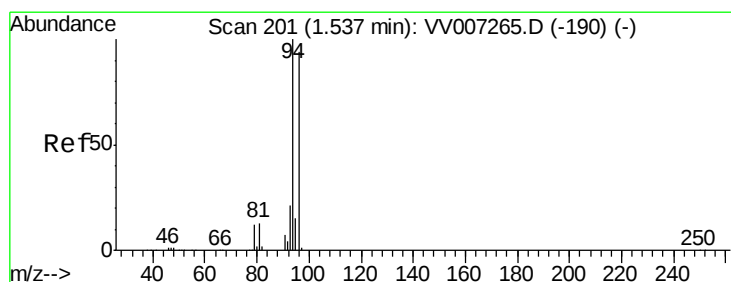
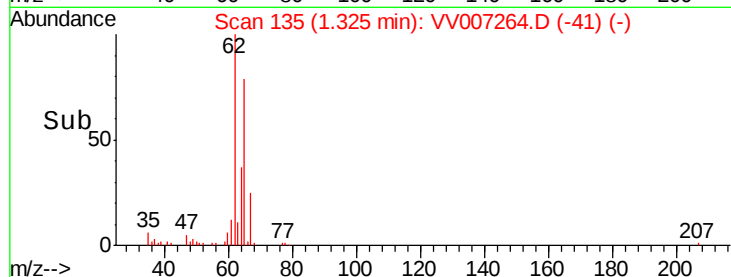
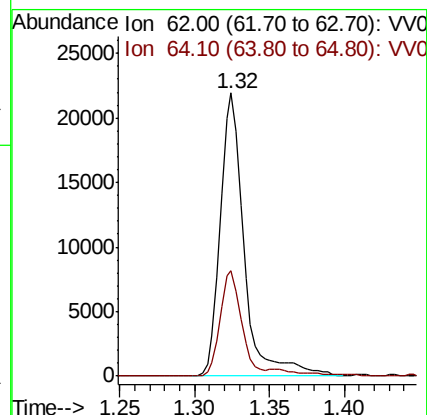
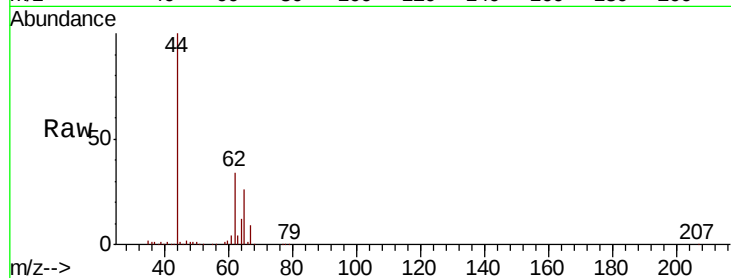
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 62 Resp: 24595

Ion Ratio Lower Upper

62 100

64 37.1 22.8 42.4



#6

Bromomethane

Concen: 1.404 ug/L

RT: 1.54 min Scan# 201

Delta R.T. 0.00 min

Lab File: VV007264.D

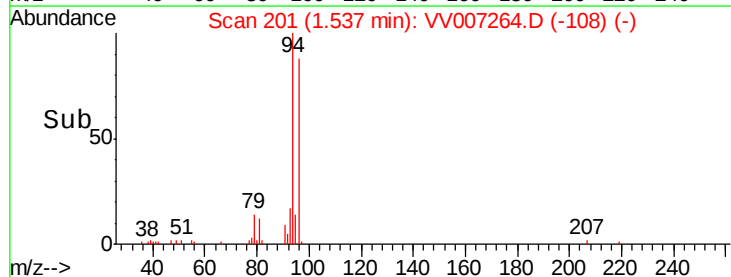
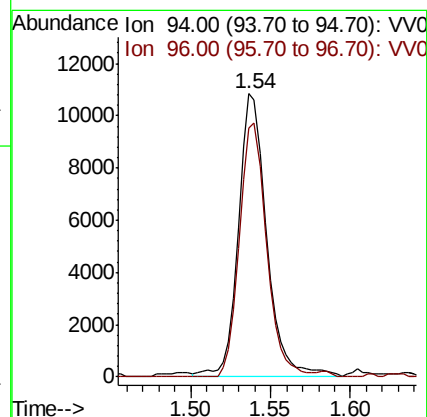
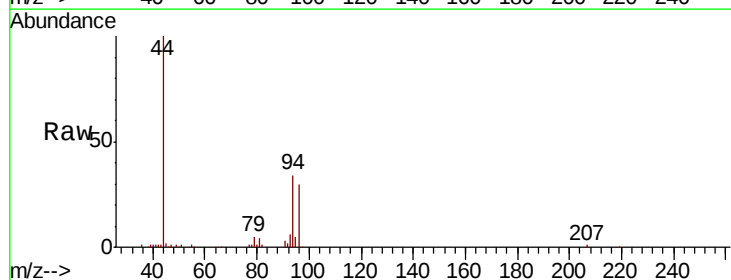
Acq: 30 Aug 2018 15:38

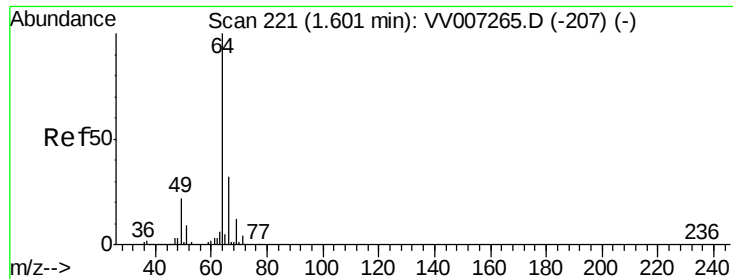
Tgt Ion: 94 Resp: 13013

Ion Ratio Lower Upper

94 100

96 87.9 65.8 122.2

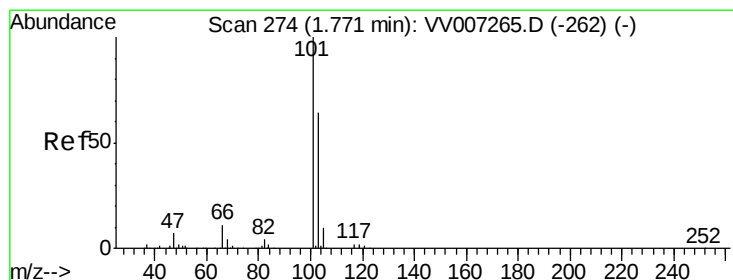
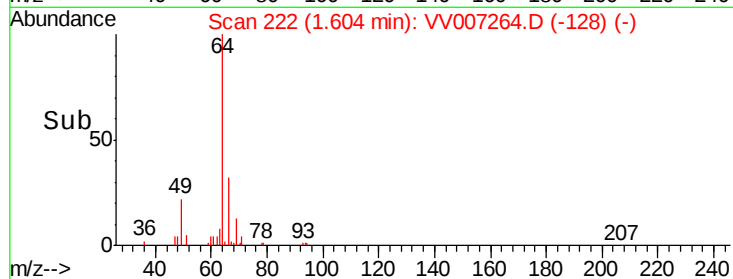
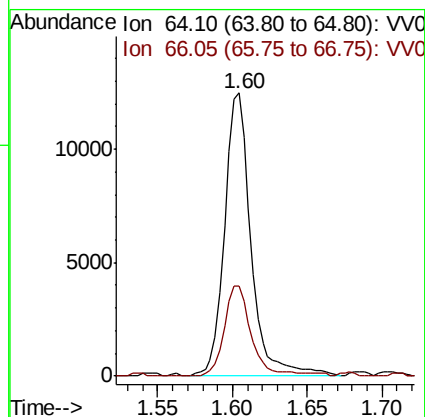
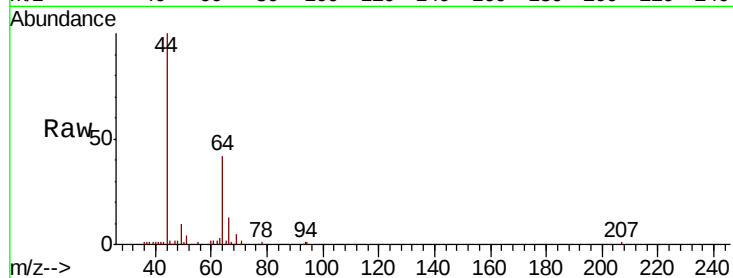




#8
Chloroethane
Concen: 1.072 ug/L
RT: 1.60 min Scan# 222
Delta R.T. 0.00 min
Lab File: VV007264.D
Acq: 30 Aug 2018 15:38

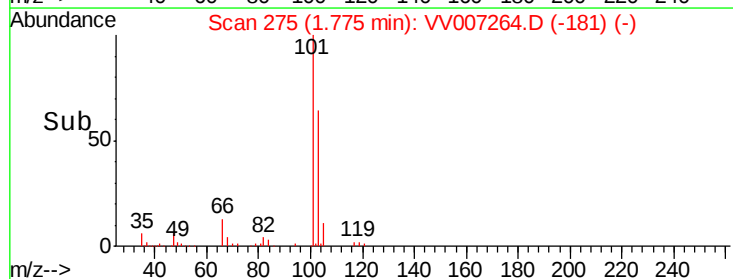
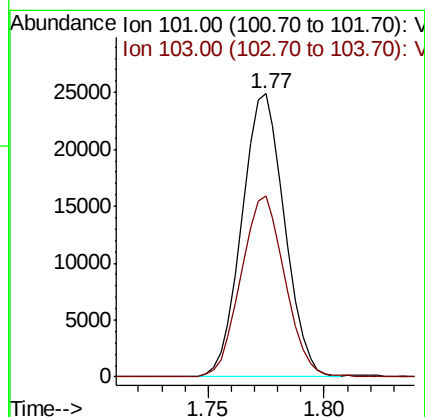
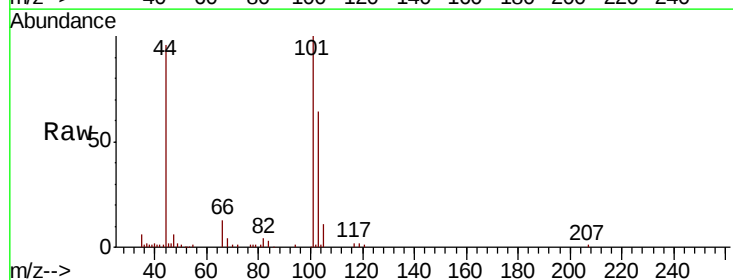
Instrument :
MSVOA_V
ClientSampleId :

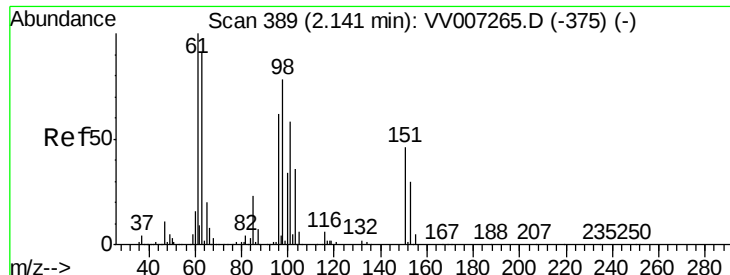
Tot Ion: 64 Resp: 15451
Ion Ratio Lower Upper
64 100
66 31.9 22.3 41.3



#9
Trichlorofluoromethane
Concen: 0.969 ug/L
RT: 1.77 min Scan# 275
Delta R.T. 0.00 min
Lab File: VV007264.D
Acq: 30 Aug 2018 15:38

Tgt Ion:101 Resp: 31765
Ion Ratio Lower Upper
101 100
103 65.7 51.4 77.0





#10

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

Concen: 0.899 ug/L

RT: 2.14 min Scan# 390

Delta R.T. 0.00 min

Lab File: VV007264.D

Acq: 30 Aug 2018 15:38

Instrument :

MSVOA_V

ClientSampled :

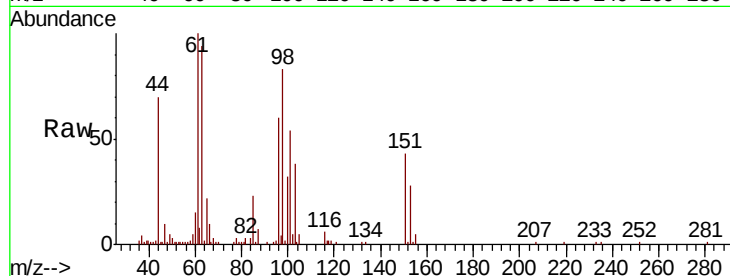
Tot Ion:101 Resp: 18324

Ion Ratio Lower Upper

101 100

85 43.1 32.4 48.6

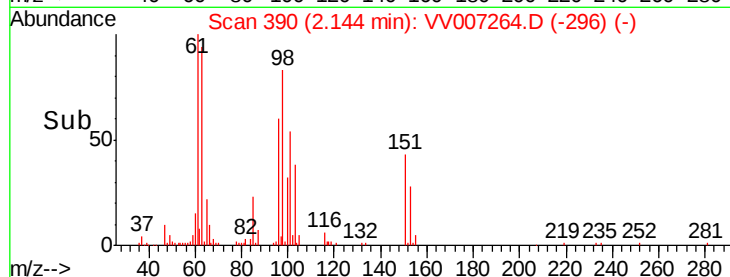
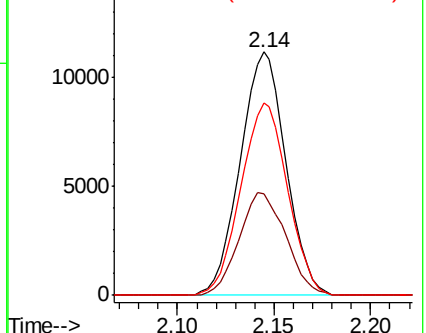
151 80.9 64.2 96.2



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: 0.972 ug/L

RT: 2.15 min Scan# 391

Delta R.T. 0.00 min

Lab File: VV007264.D

Acq: 30 Aug 2018 15:38

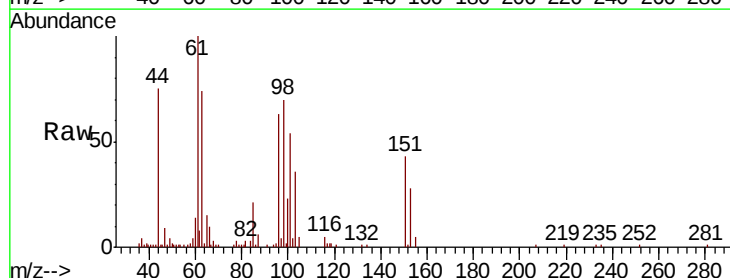
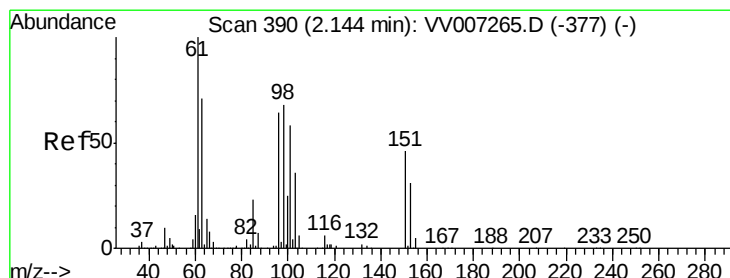
Tgt Ion: 96 Resp: 17919

Ion Ratio Lower Upper

96 100

61 158.0 108.8 202.0

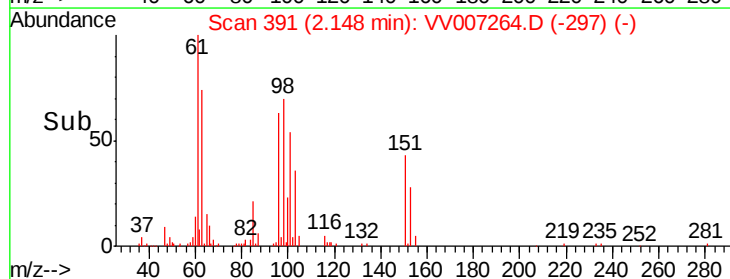
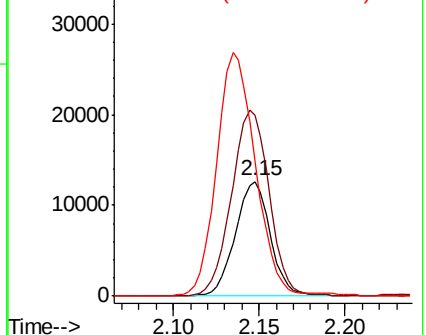
63 117.3 78.0 144.9

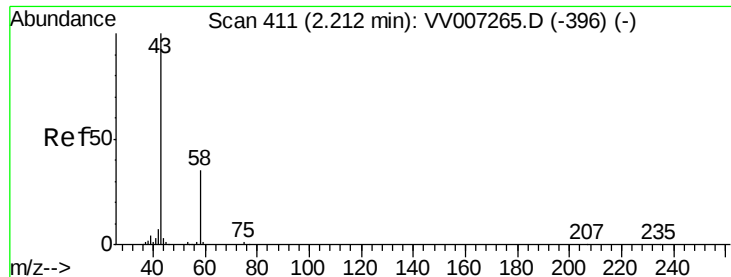


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 10.662 ug/L

RT: 2.21 min Scan# 409

Delta R.T. -0.01 min

Lab File: VV007264.D

Acq: 30 Aug 2018 15:38

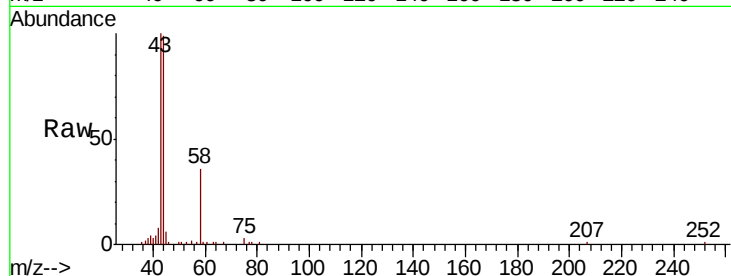
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 28092

Ion Ratio Lower Upper

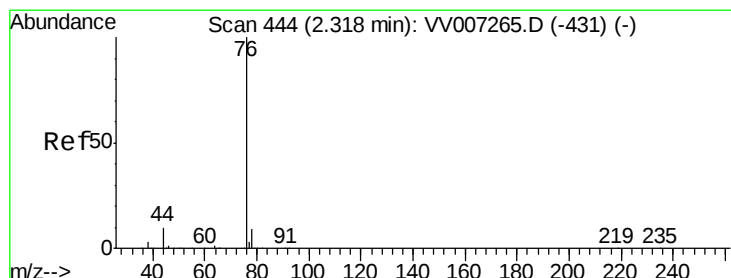
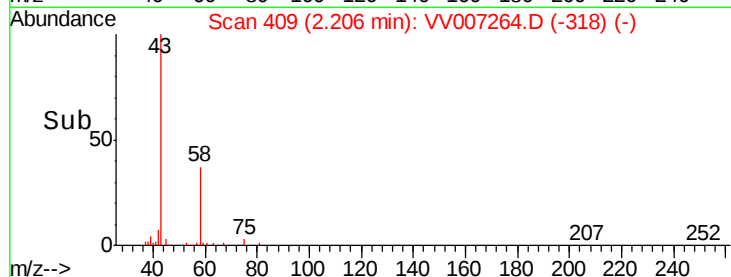
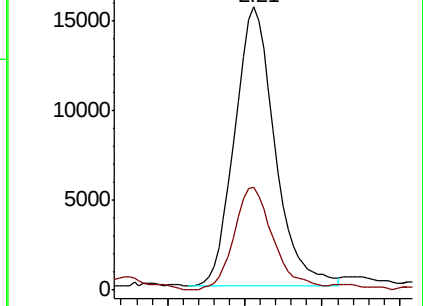
43 100

58 36.4 0.0 71.8



Abundance Ion 43.05 (42.75 to 43.75): VV007265.D (-396) (-)

Ion 58.05 (57.75 to 58.75): VV007265.D (-396) (-)



#14

Carbon disulfide

Concen: 1.058 ug/L

RT: 2.32 min Scan# 445

Delta R.T. 0.00 min

Lab File: VV007264.D

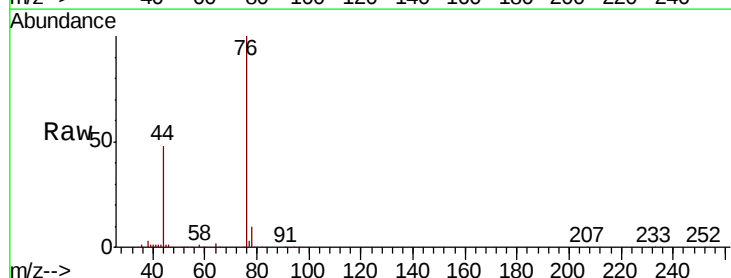
Acq: 30 Aug 2018 15:38

Tgt Ion: 76 Resp: 59312

Ion Ratio Lower Upper

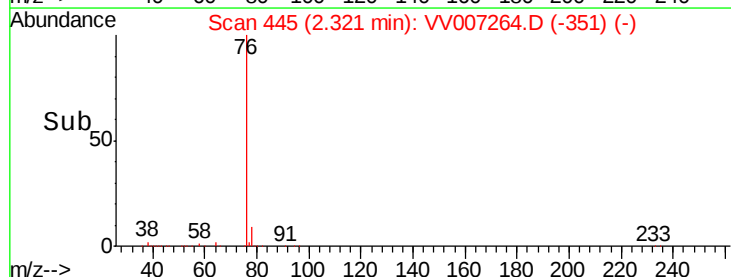
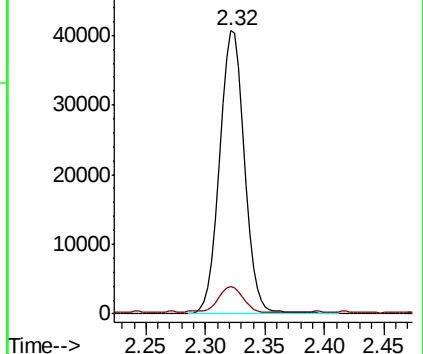
76 100

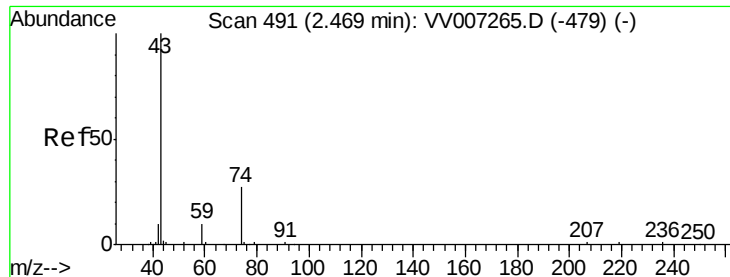
78 9.9 7.4 11.0



Abundance Ion 76.05 (75.75 to 76.75): VV007265.D (-431) (-)

Ion 78.00 (77.70 to 78.70): VV007265.D (-431) (-)





#15

Methvl Acetate

Concen: 0.883 ug/L

RT: 2.47 min Scan# 491

Delta R.T. 0.00 min

Lab File: VV007264.D

Acq: 30 Aug 2018 15:38

Instrument :

MSVOA_V

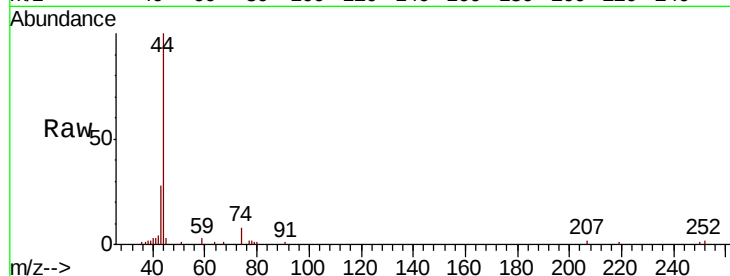
ClientSampleId :

Tot Ion: 43 Resp: 6176

Ion Ratio Lower Upper

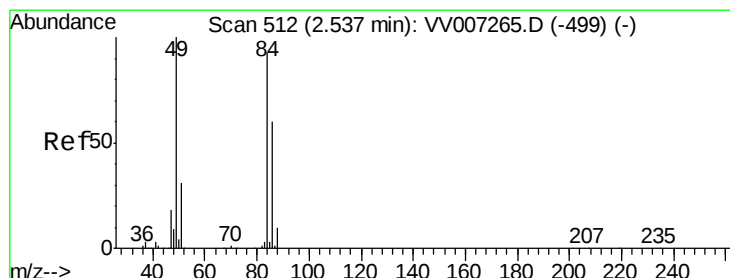
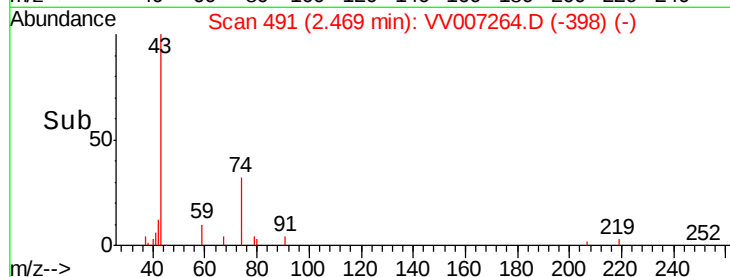
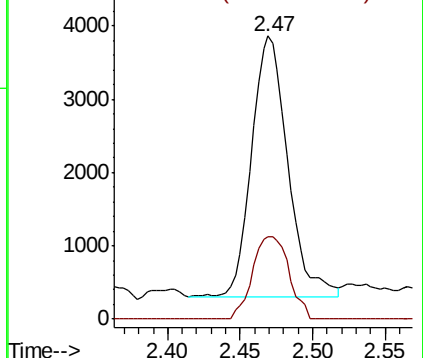
43 100

74 31.8 22.5 33.7



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 74.05 (73.75 to 74.75): VV0



#16

Methylene chloride

Concen: 1.003 ug/L

RT: 2.54 min Scan# 513

Delta R.T. 0.00 min

Lab File: VV007264.D

Acq: 30 Aug 2018 15:38

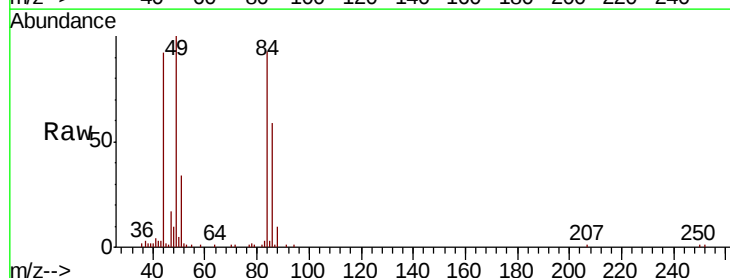
Tgt Ion: 84 Resp: 22206

Ion Ratio Lower Upper

84 100

86 63.6 44.8 83.2

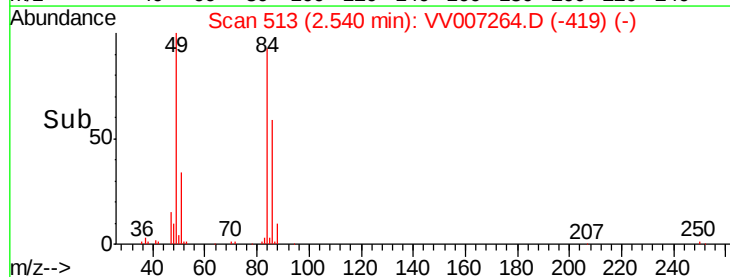
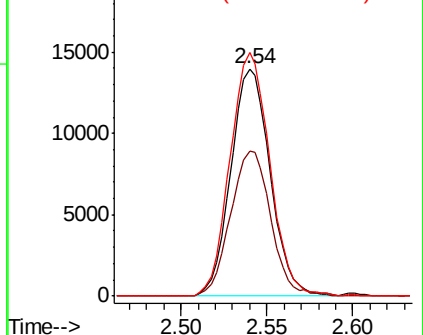
49 107.0 75.2 139.6

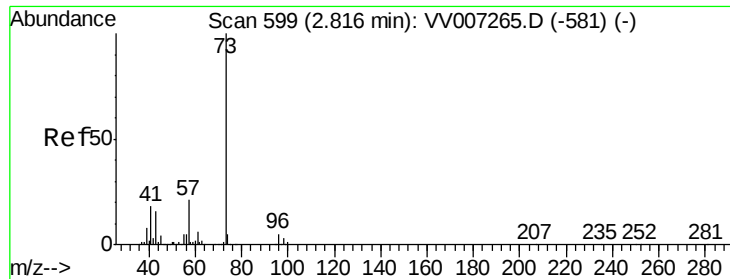


Abundance Ion 84.05 (83.75 to 84.75): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.10 (48.80 to 49.80): VV0

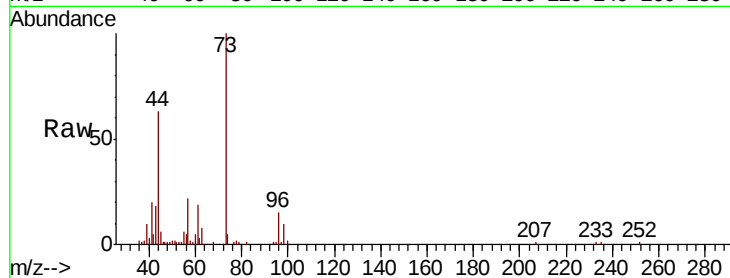




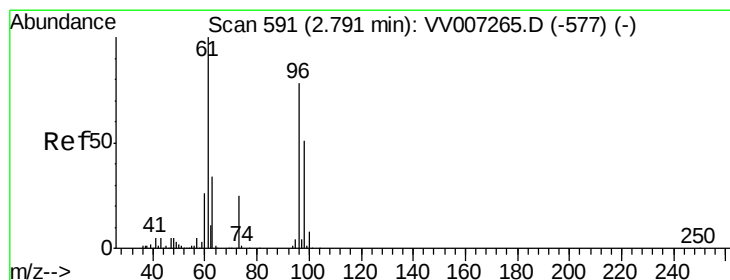
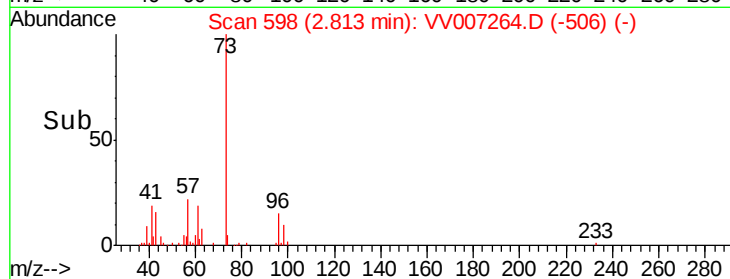
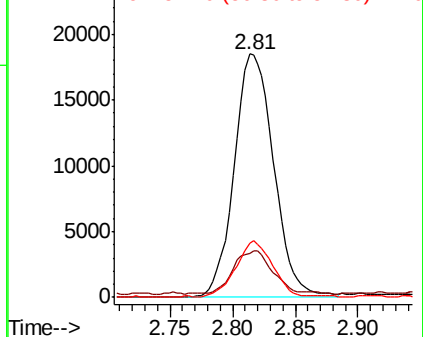
#17
Methvl tert-butvl Ether
Concen: 0.877 ug/L
RT: 2.81 min Scan# 598
Delta R.T. -0.00 min
Lab File: VV007264.D
Acq: 30 Aug 2018 15:38

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
73	100		
43	17.9	13.2	19.8
57	21.6	17.3	25.9

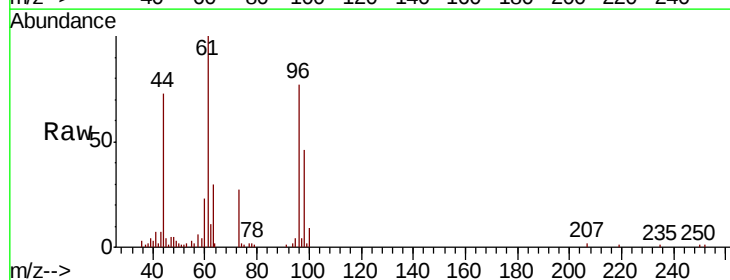


Abundance Ion 73.10 (72.80 to 73.80): VV0
Ion 43.05 (42.75 to 43.75): VV0
Ion 57.10 (56.80 to 57.80): VV0

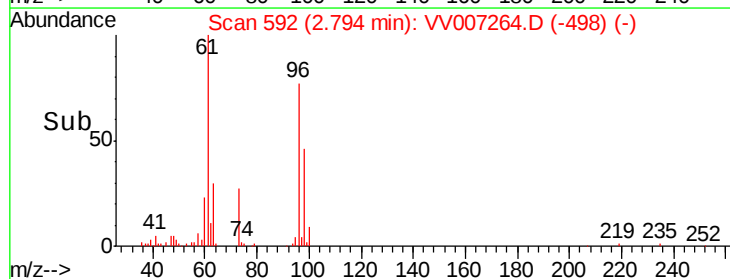
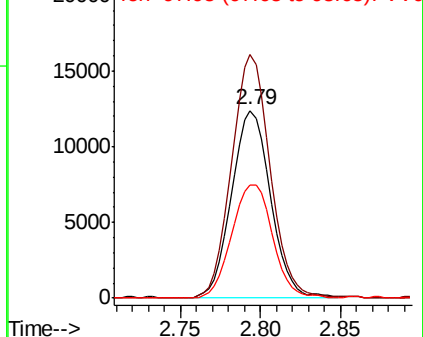


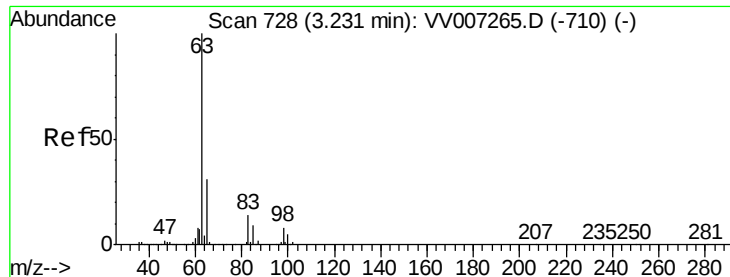
#18
trans-1,2-Dichloroethene
Concen: 1.003 ug/L
RT: 2.79 min Scan# 592
Delta R.T. 0.00 min
Lab File: VV007264.D
Acq: 30 Aug 2018 15:38

Tgt Ion	Ratio	Lower	Upper
96	100		
61	130.0	89.5	166.3
98	60.4	45.3	84.1



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

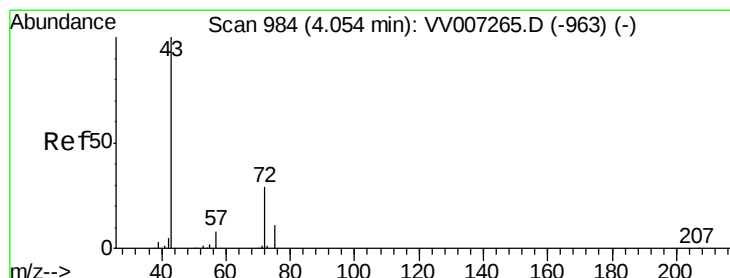
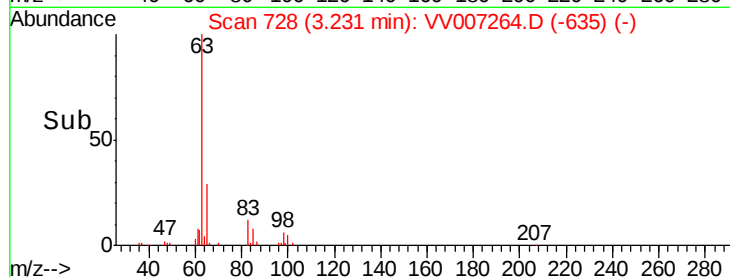
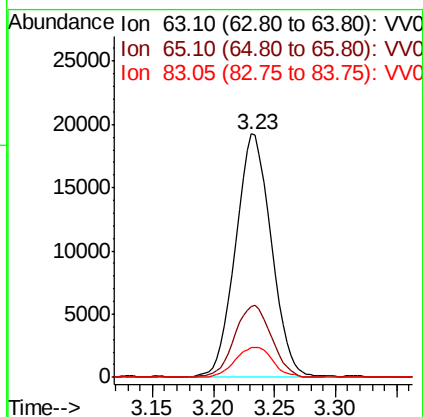
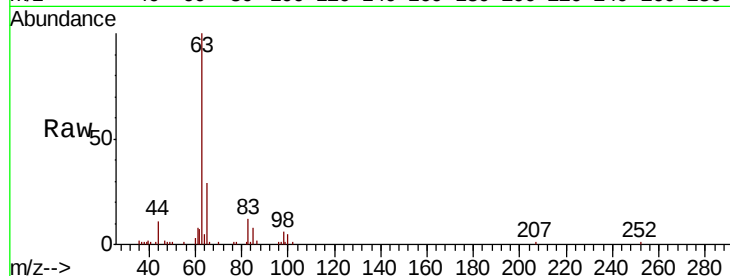




#19
 1,1-Dichloroethane
 Concen: 0.969 ug/L
 RT: 3.23 min Scan# 728
 Delta R.T. 0.00 min
 Lab File: VV007264.D
 Acq: 30 Aug 2018 15:38

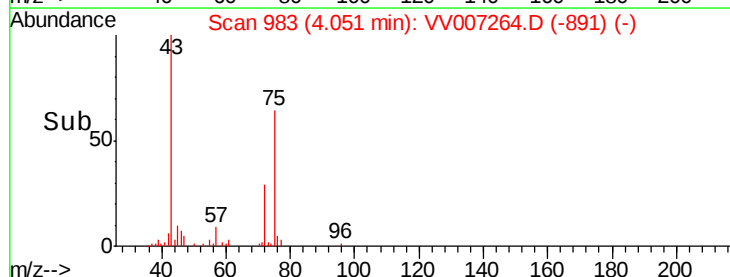
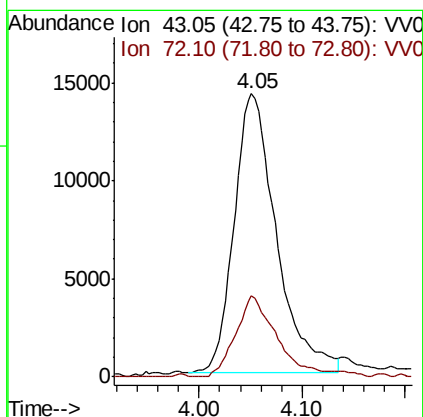
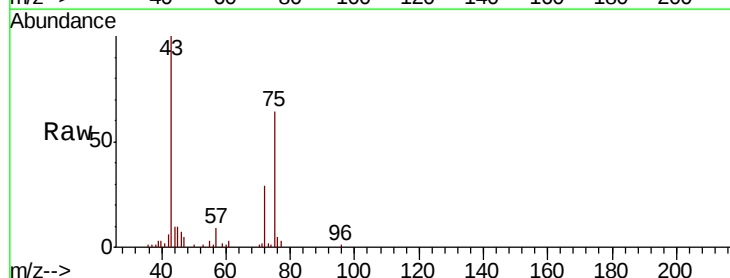
Instrument :
 MSVOA_V
 ClientSampled :

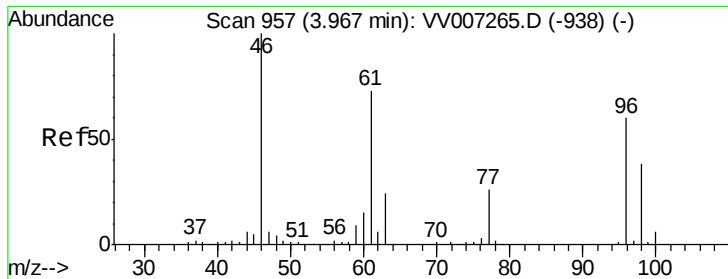
Tot Ion: 63 Resp: 39046
 Ion Ratio Lower Upper
 63 100
 65 29.1 22.1 41.1
 83 12.0 9.4 17.6



#21
 2-Butanone
 Concen: 7.603 ug/L
 RT: 4.05 min Scan# 983
 Delta R.T. -0.00 min
 Lab File: VV007264.D
 Acq: 30 Aug 2018 15:38

Tgt Ion: 43 Resp: 40771
 Ion Ratio Lower Upper
 43 100
 72 27.8 14.1 42.3



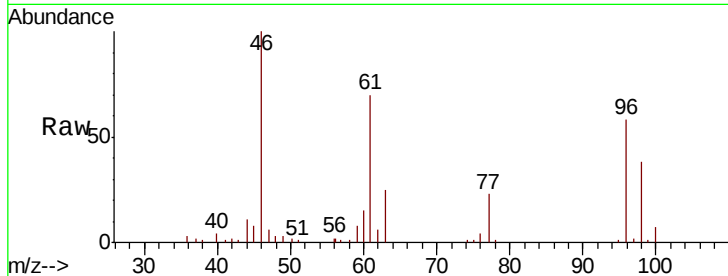


#22

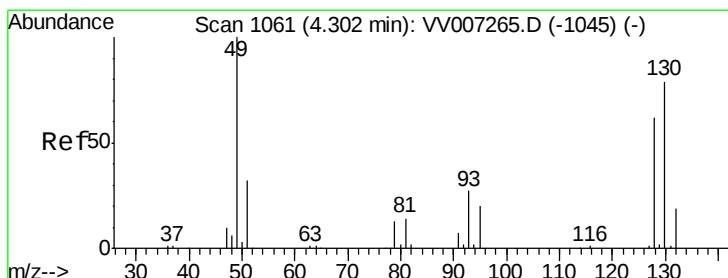
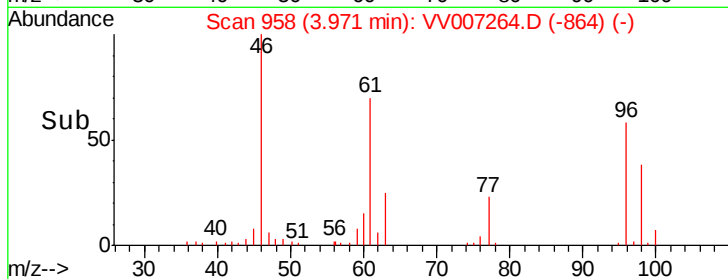
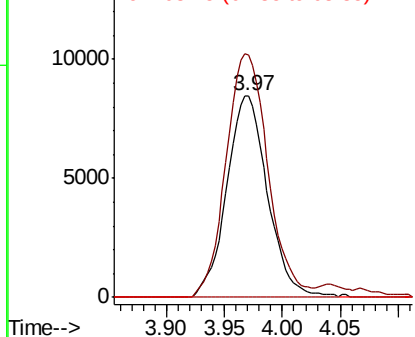
cis-1,2-Dichloroethene
 Concen: 0.883 ug/L
 RT: 3.97 min Scan# 958
 Delta R.T. 0.00 min
 Lab File: VV007264.D
 Acq: 30 Aug 2018 15:38

Instrument :
 MSVOA_V
 ClientSampled :

Tot Ion: 96 Resp: 20612
 Ion Ratio Lower Upper
 96 100
 61 119.8 85.4 158.6
 68 0.0 0.0 0.0



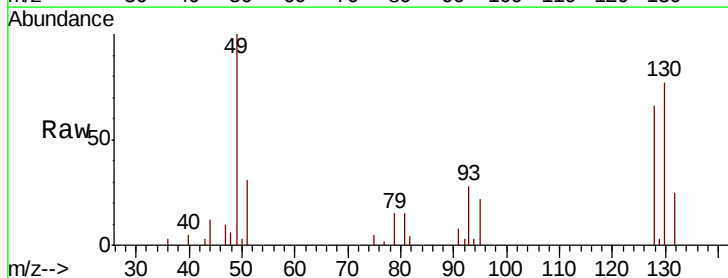
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0



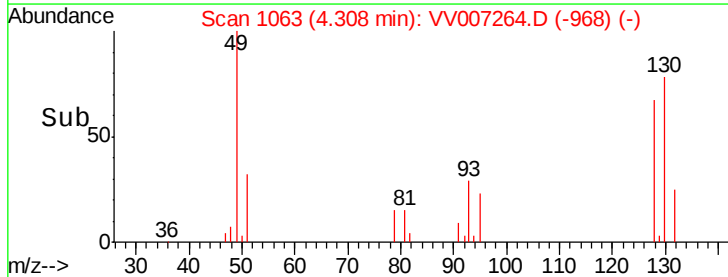
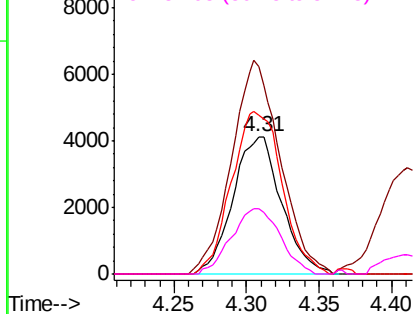
#23

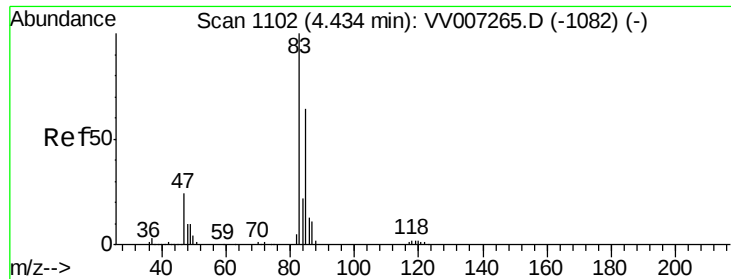
Bromochloromethane
 Concen: 0.917 ug/L
 RT: 4.31 min Scan# 1063
 Delta R.T. 0.01 min
 Lab File: VV007264.D
 Acq: 30 Aug 2018 15:38

Tgt Ion: 128 Resp: 9584
 Ion Ratio Lower Upper
 128 100
 49 151.2 113.1 210.1
 130 115.8 88.8 165.0
 51 47.4 41.9 62.9



Abundance Ion 127.90 (127.60 to 128.60): V
 Ion 49.10 (48.80 to 49.80): VV0
 Ion 129.95 (129.65 to 130.65): V
 Ion 51.05 (50.75 to 51.75): VV0





#25

Chloroform

Concen: 0.939 ug/L

RT: 4.44 min Scan# 1103

Delta R.T. 0.00 min

Lab File: VV007264.D

Acq: 30 Aug 2018 15:38

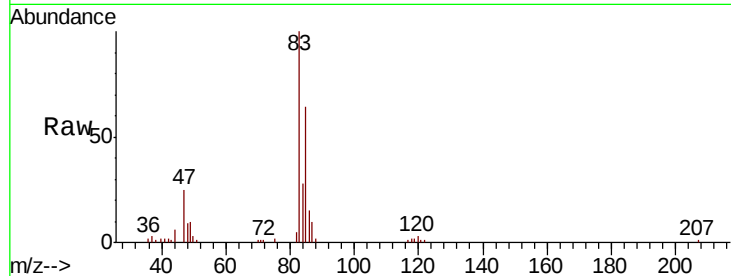
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 83 Resp: 38665

Ion Ratio Lower Upper

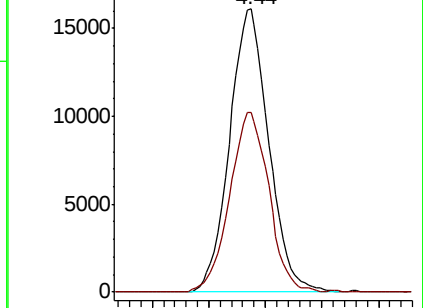
83 100

85 63.5 44.9 83.5

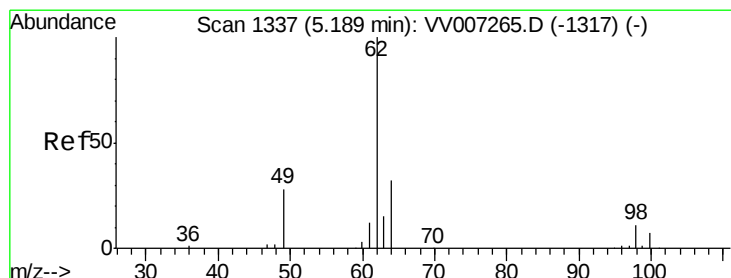
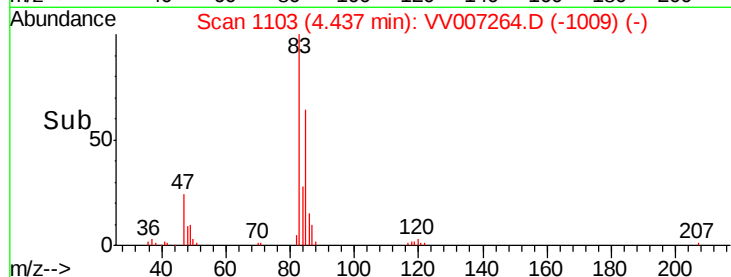


Abundance Ion 83.05 (82.75 to 83.75): VV0

Ion 85.00 (84.70 to 85.70): VV0



Time-->



#27

1,2-Dichloroethane

Concen: 0.896 ug/L

RT: 5.19 min Scan# 1337

Delta R.T. 0.00 min

Lab File: VV007264.D

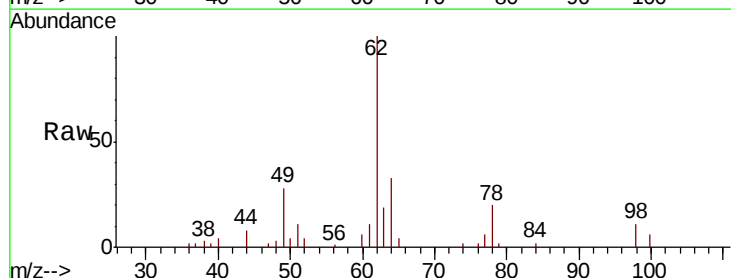
Acq: 30 Aug 2018 15:38

Tgt Ion: 62 Resp: 21487

Ion Ratio Lower Upper

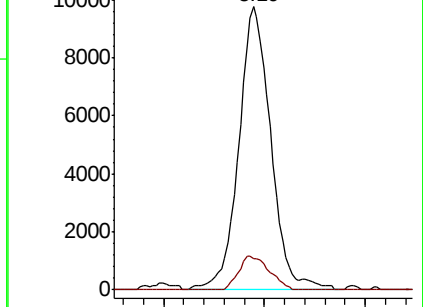
62 100

98 11.0 8.6 12.8

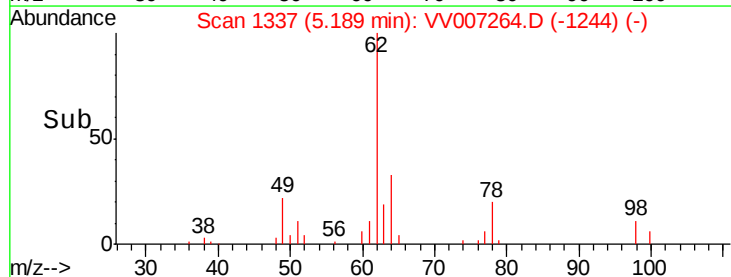


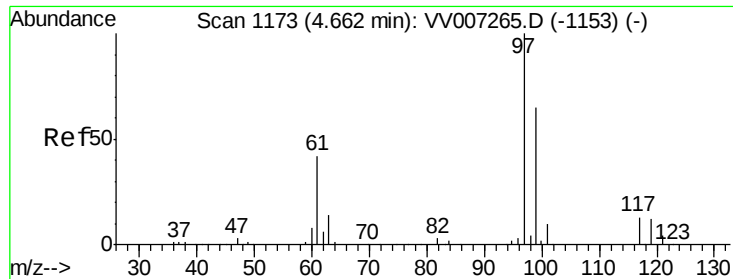
Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 98.05 (97.75 to 98.75): VV0



Time-->

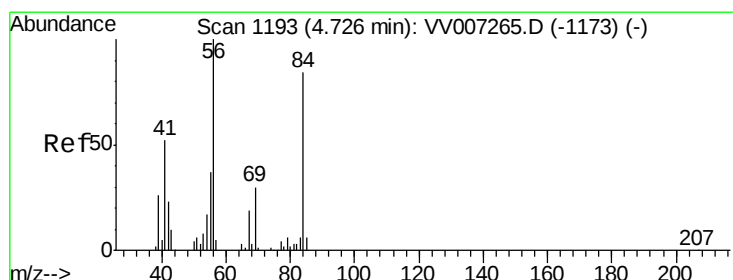
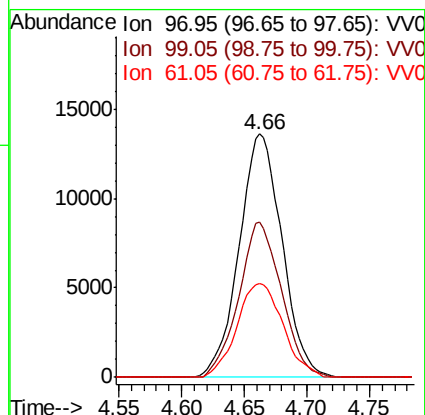
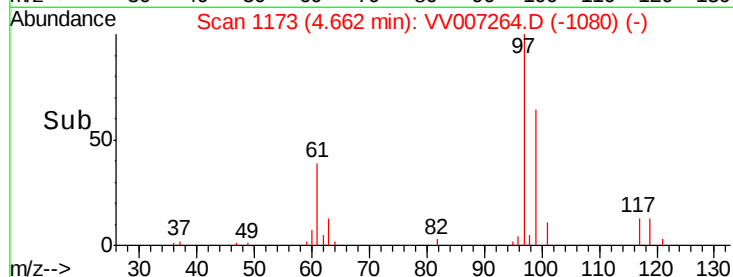
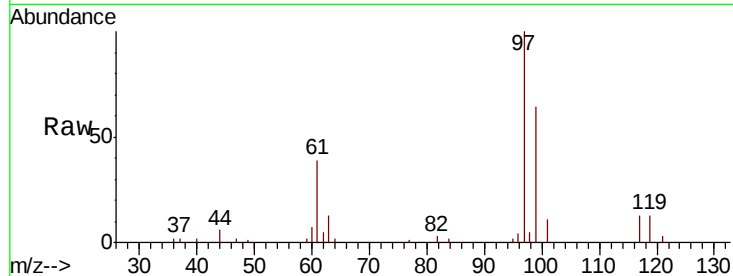




#29
 1,1,1-Trichloroethane
 Concen: 0.924 ug/L
 RT: 4.66 min Scan# 1173
 Delta R.T. 0.00 min
 Lab File: VV007264.D
 Acq: 30 Aug 2018 15:38

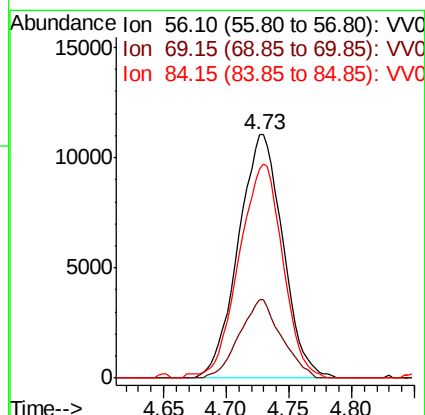
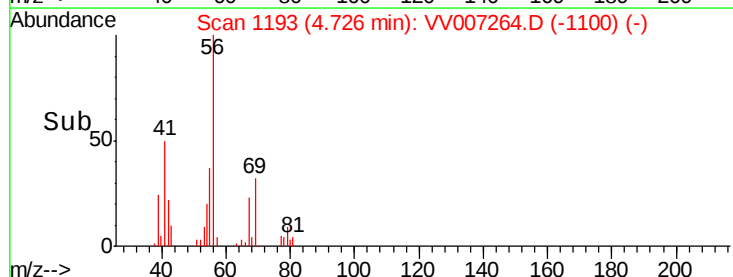
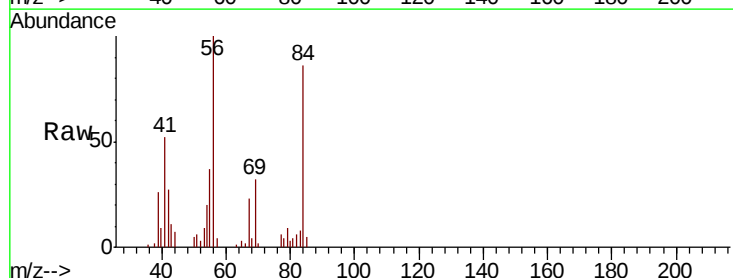
Instrument :
 MSVOA_V
 ClientSampleId :

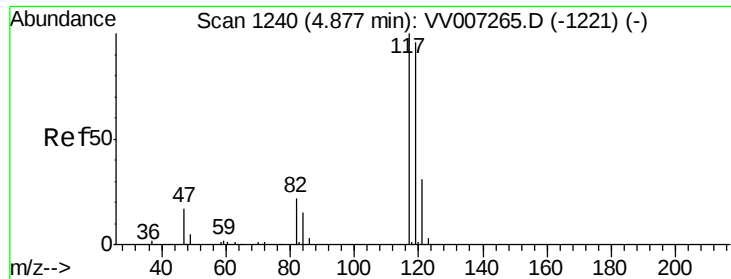
Tot Ion: 97 Resp: 32366
 Ion Ratio Lower Upper
 97 100
 99 63.3 51.5 77.3
 61 41.2 33.9 50.9



#30
 Cyclohexane
 Concen: 0.861 ug/L
 RT: 4.73 min Scan# 1193
 Delta R.T. 0.00 min
 Lab File: VV007264.D
 Acq: 30 Aug 2018 15:38

Tgt Ion: 56 Resp: 27244
 Ion Ratio Lower Upper
 56 100
 69 30.3 24.7 37.1
 84 86.0 68.7 103.1

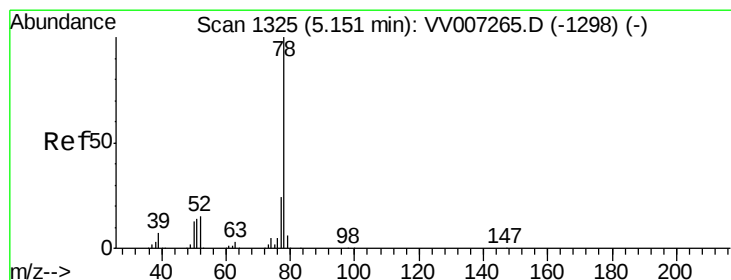
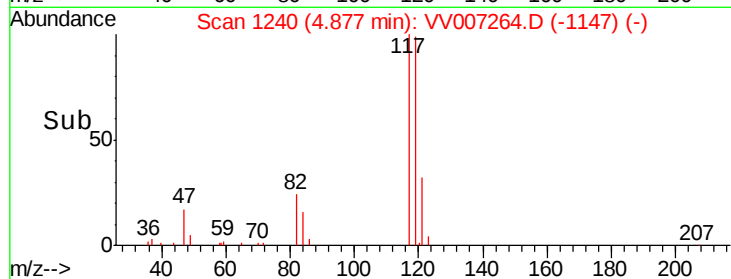
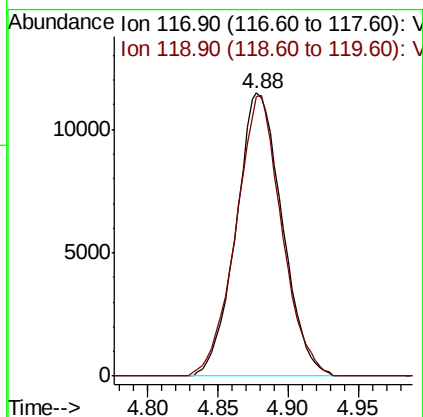
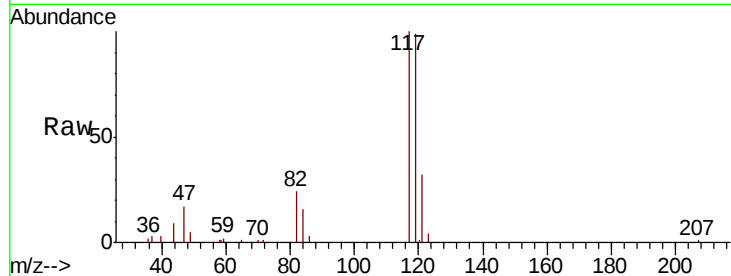




#31
Carbon tetrachloride
Concen: 0.877 ug/L
RT: 4.88 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VV007264.D
Acq: 30 Aug 2018 15:38

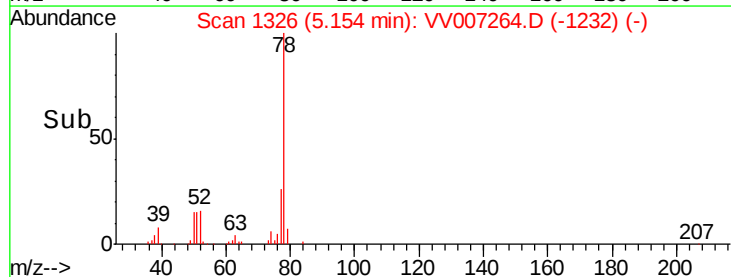
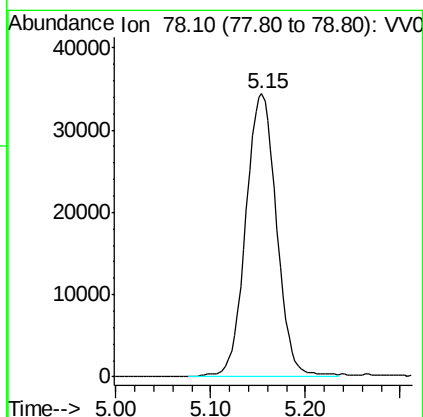
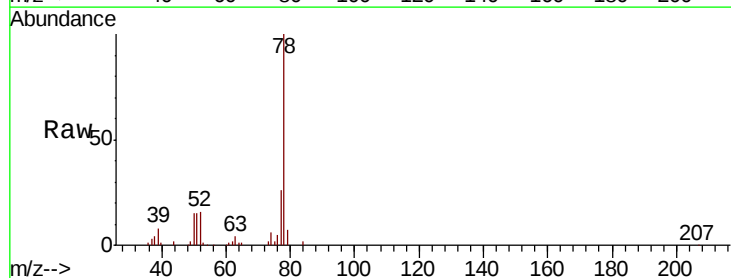
Instrument :
MSVOA_V
ClientSampled :

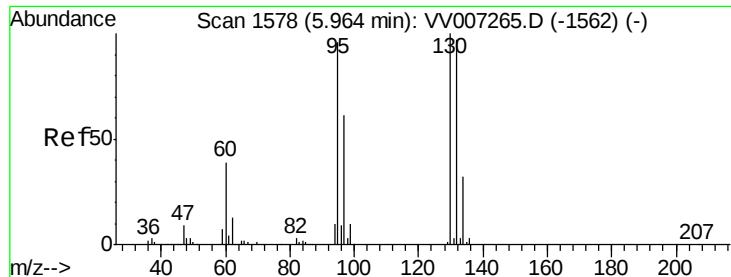
Tot Ion:117 Resp: 26195
Ion Ratio Lower Upper
117 100
119 98.3 77.0 115.6



#33
Benzene
Concen: 0.869 ug/L
RT: 5.15 min Scan# 1326
Delta R.T. 0.00 min
Lab File: VV007264.D
Acq: 30 Aug 2018 15:38

Tgt Ion: 78 Resp: 78098





#34

Trichloroethene

Concen: 0.855 ug/L

RT: 5.96 min Scan# 1578

Delta R.T. 0.00 min

Lab File: VV007264.D

Acq: 30 Aug 2018 15:38

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion: 95 Resp: 19274

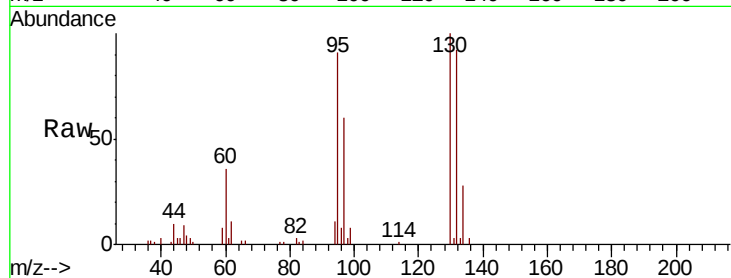
Ion Ratio Lower Upper

95 100

97 66.1 44.2 82.2

132 101.7 70.9 131.7

130 110.0 72.7 135.1

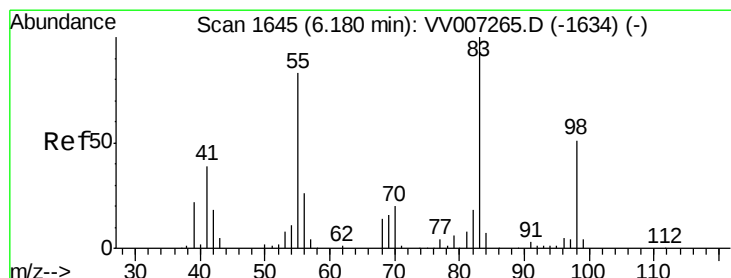
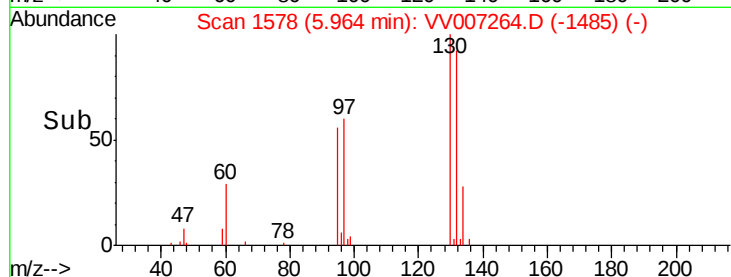
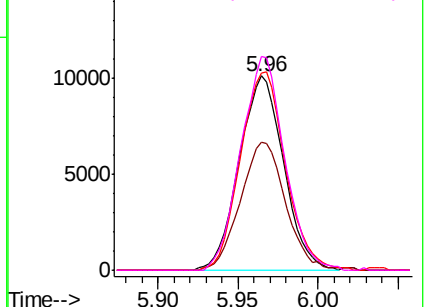


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): VV0

Ion 129.95 (129.65 to 130.65): VV0



#35

Methylcyclohexane

Concen: 0.770 ug/L

RT: 6.18 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VV007264.D

Acq: 30 Aug 2018 15:38

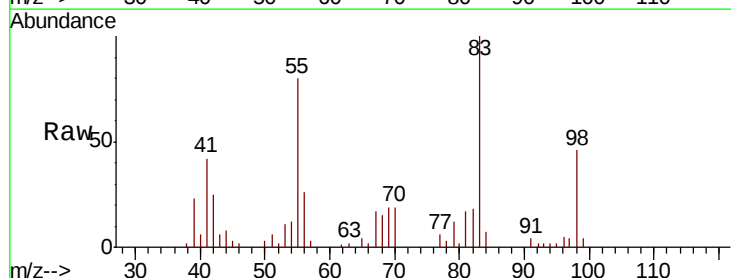
Tgt Ion: 83 Resp: 25883

Ion Ratio Lower Upper

83 100

55 84.4 63.5 95.3

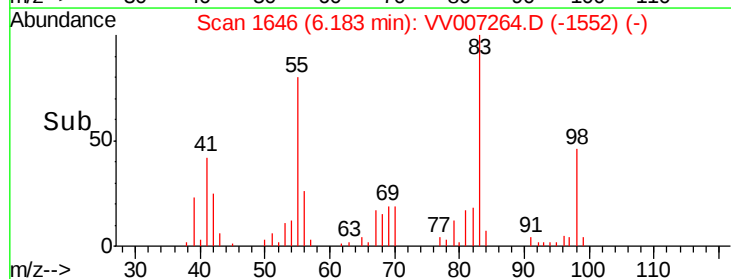
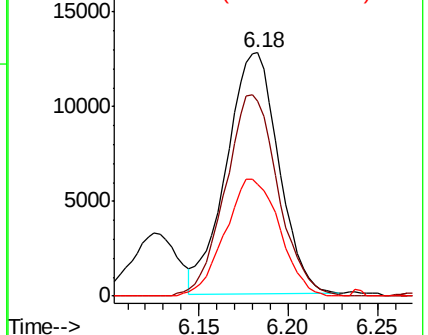
98 50.5 38.9 58.3

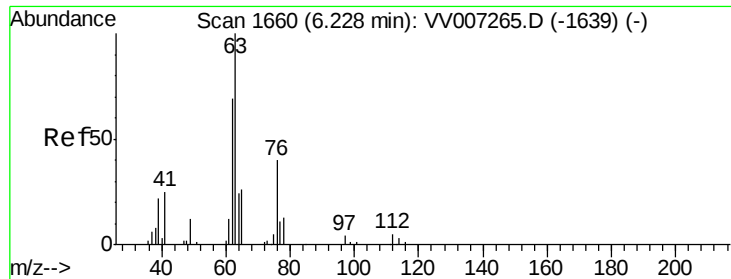


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

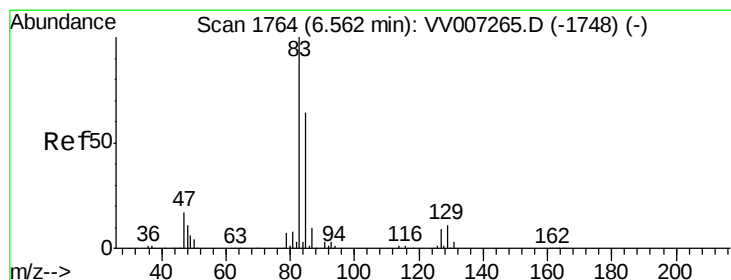
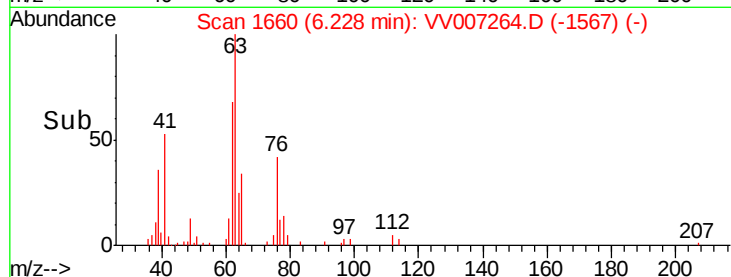
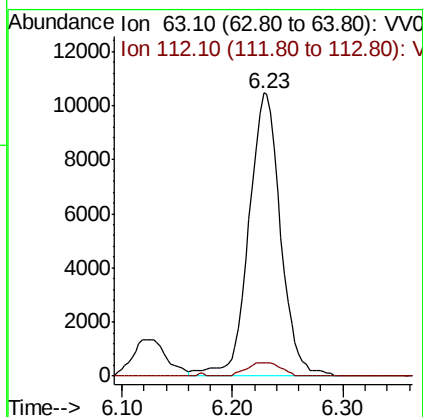
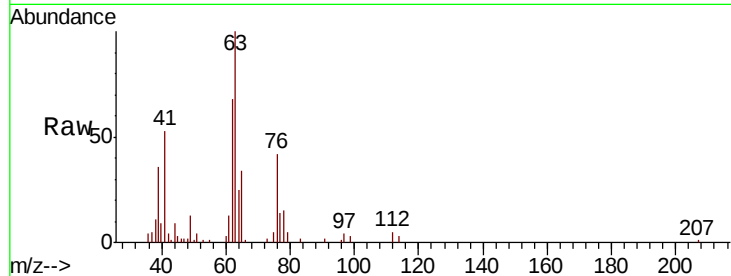




#37
 1,2-Dichloropropane
 Concen: 0.884 ug/L
 RT: 6.23 min Scan# 1660
 Delta R.T. 0.00 min
 Lab File: VV007264.D
 Acq: 30 Aug 2018 15:38

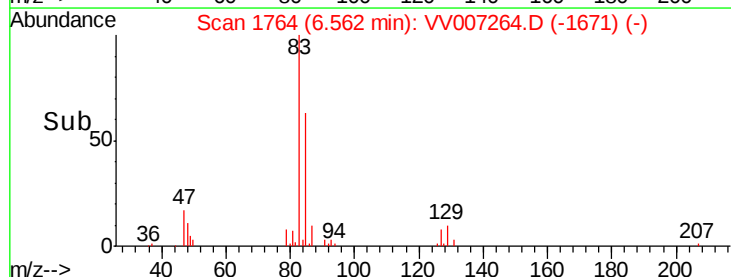
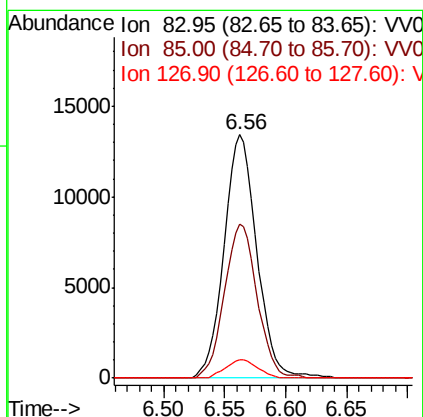
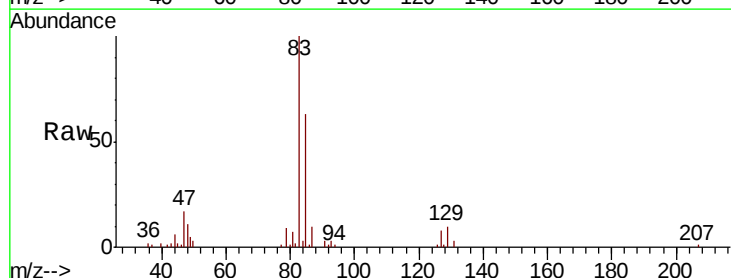
Instrument :
 MSVOA_V
 ClientSampleId :

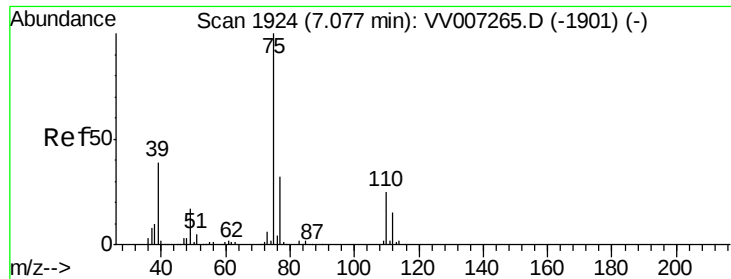
Tot Ion: 63 Resp: 20920
 Ion Ratio Lower Upper
 63 100
 112 5.1 3.9 5.9



#38
 Bromodichloromethane
 Concen: 0.891 ug/L
 RT: 6.56 min Scan# 1764
 Delta R.T. 0.00 min
 Lab File: VV007264.D
 Acq: 30 Aug 2018 15:38

Tgt Ion: 83 Resp: 25204
 Ion Ratio Lower Upper
 83 100
 85 63.0 44.7 83.1
 127 7.8 6.9 10.3

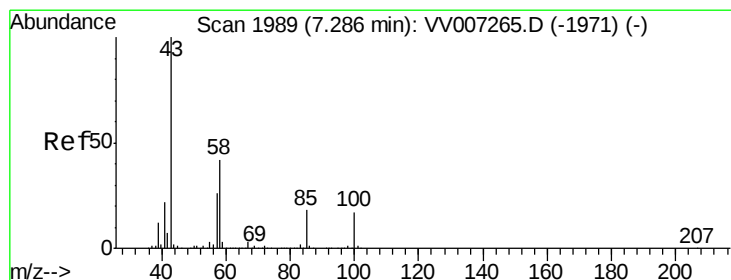
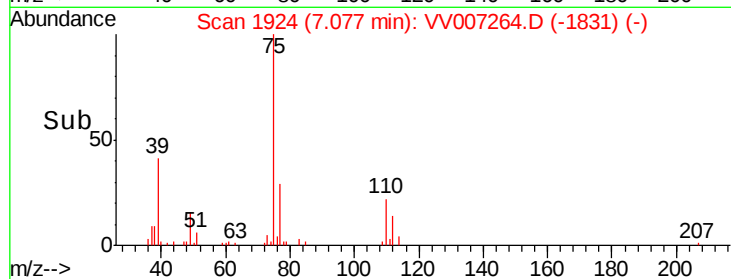
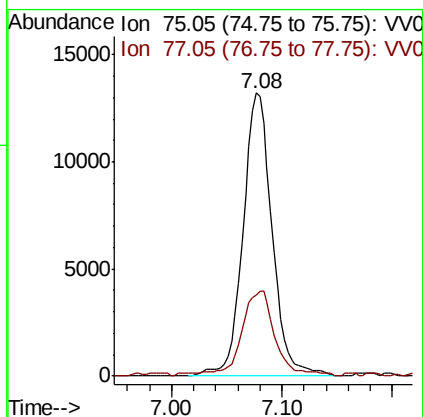
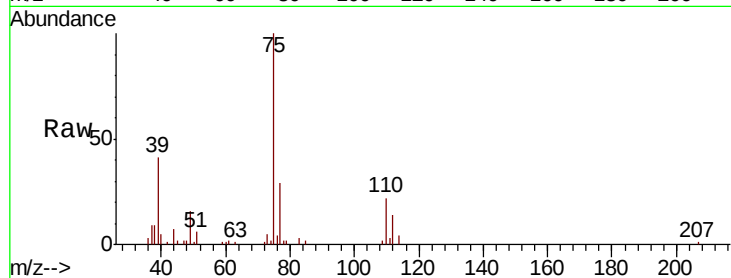




#39
 cis-1,3-Dichloropropene
 Concen: 0.822 ug/L
 RT: 7.08 min Scan# 1924
 Delta R.T. 0.00 min
 Lab File: VV007264.D
 Acq: 30 Aug 2018 15:38

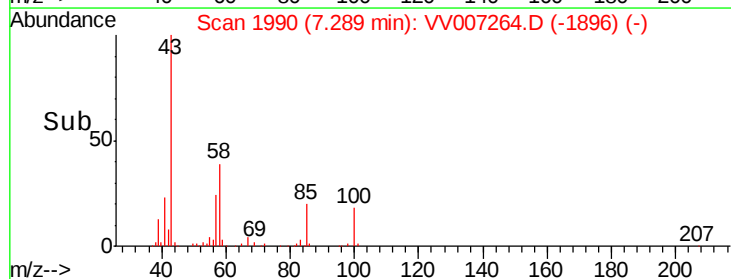
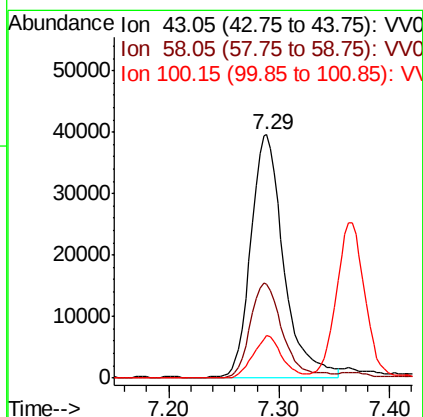
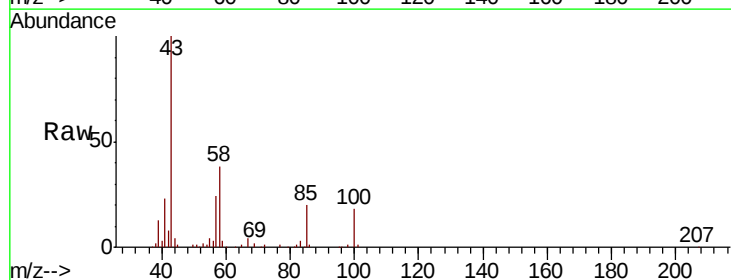
Instrument :
 MSVOA_V
 ClientSampled :

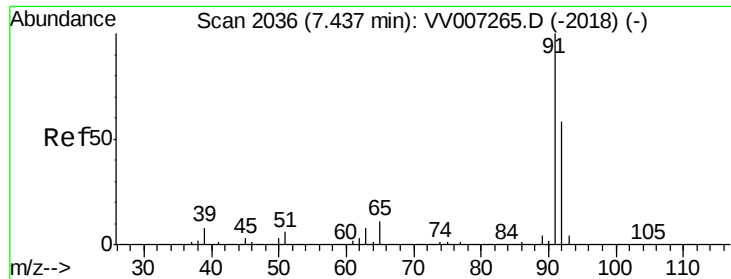
Tot Ion: 75 Resp: 24144
 Ion Ratio Lower Upper
 75 100
 77 28.6 22.7 42.3



#40
 4-Methyl-2-pentanone
 Concen: 6.835 ug/L
 RT: 7.29 min Scan# 1990
 Delta R.T. 0.00 min
 Lab File: VV007264.D
 Acq: 30 Aug 2018 15:38

Tgt Ion: 43 Resp: 82258
 Ion Ratio Lower Upper
 43 100
 58 38.6 32.7 49.1
 100 15.5 13.1 19.7





#42

Toluene

Concen: 0.838 ug/L

RT: 7.44 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VV007264.D

Acq: 30 Aug 2018 15:38

Instrument :

MSVOA_V

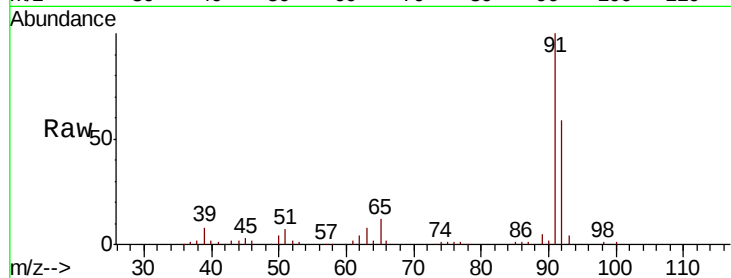
ClientSampleId :

Tot Ion: 91 Resp: 74392

Ion Ratio Lower Upper

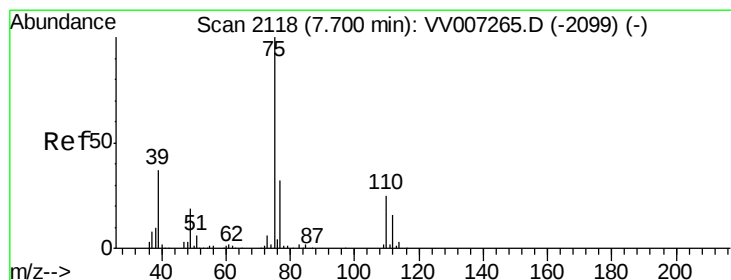
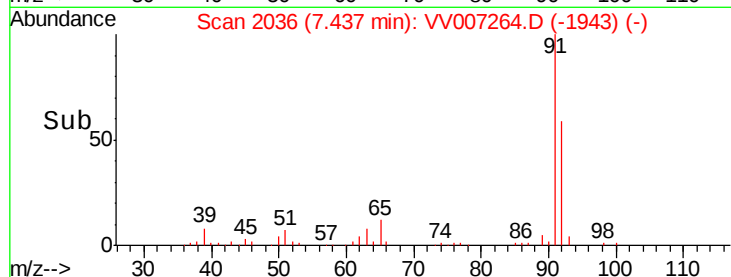
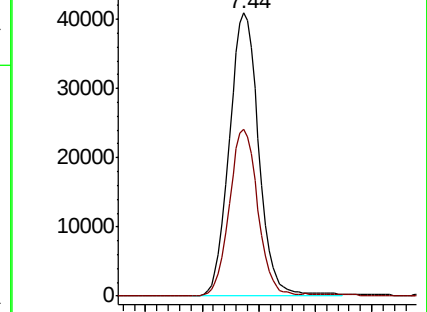
91 100

92 58.8 40.7 75.7



Abundance Ion 91.15 (90.85 to 91.85): VV007264.D (-1943) (-)

Ion 92.15 (91.85 to 92.85): VV007264.D (-1943) (-)



#44

trans-1,3-Dichloropropene

Concen: 0.798 ug/L

RT: 7.70 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VV007264.D

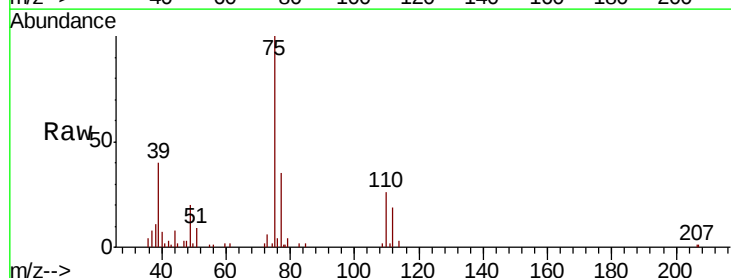
Acq: 30 Aug 2018 15:38

Tgt Ion: 75 Resp: 19600

Ion Ratio Lower Upper

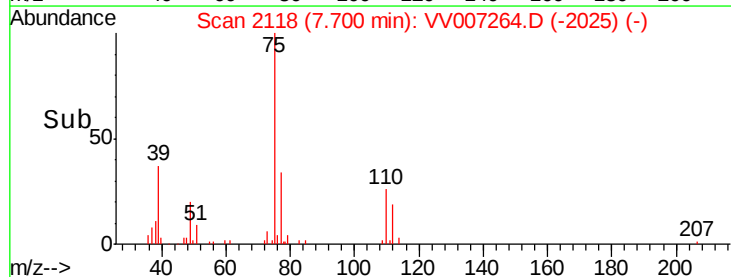
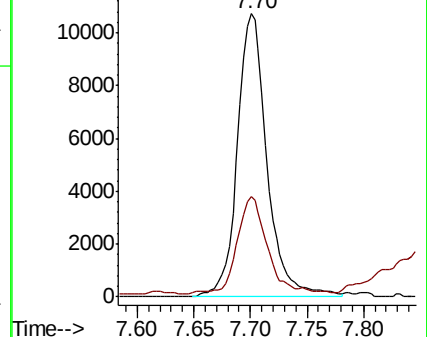
75 100

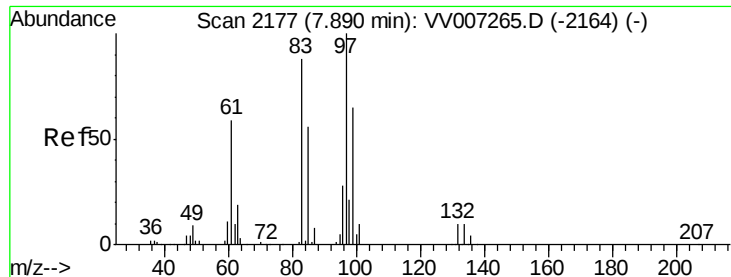
77 35.5 22.3 41.5



Abundance Ion 75.05 (74.75 to 75.75): VV007264.D (-2025) (-)

Ion 77.05 (76.75 to 77.75): VV007264.D (-2025) (-)

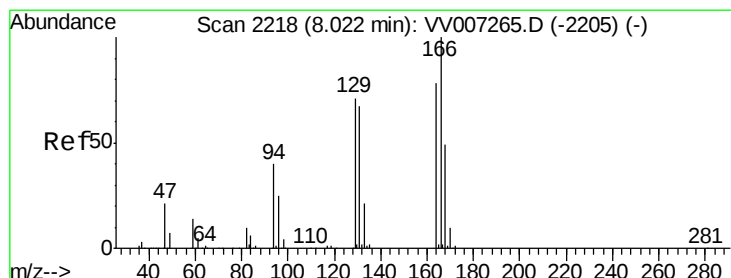
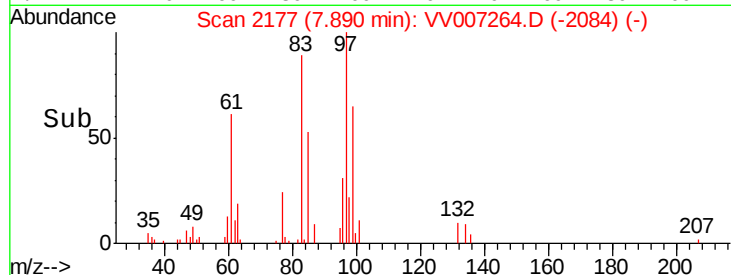
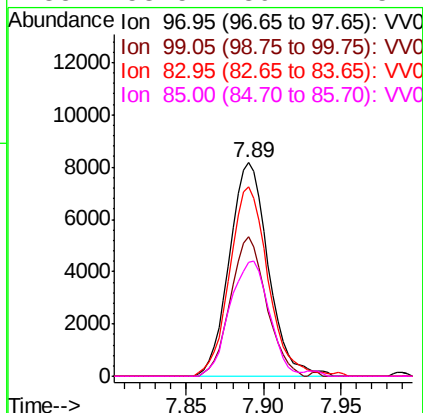
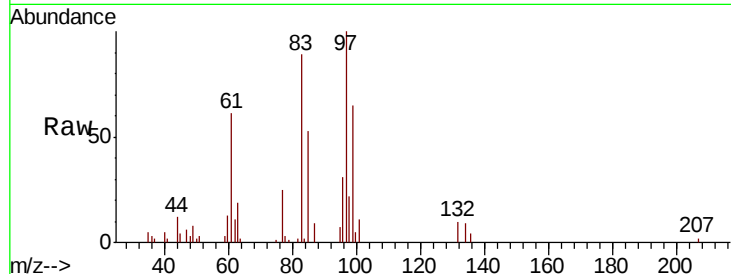




#45
 1,1,2-Trichloroethane
 Concen: 0.855 ug/L
 RT: 7.89 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VV007264.D
 Acq: 30 Aug 2018 15:38

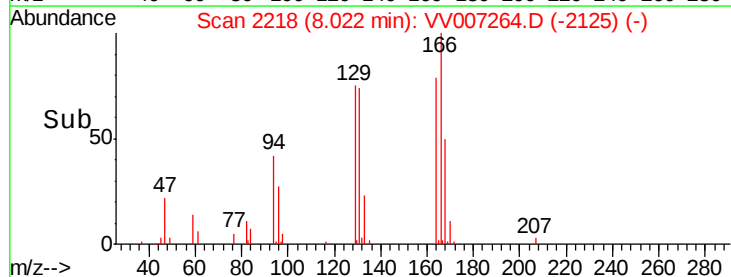
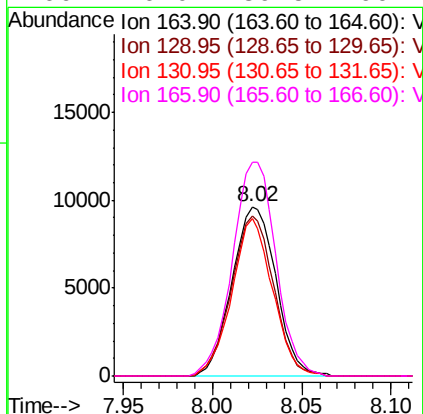
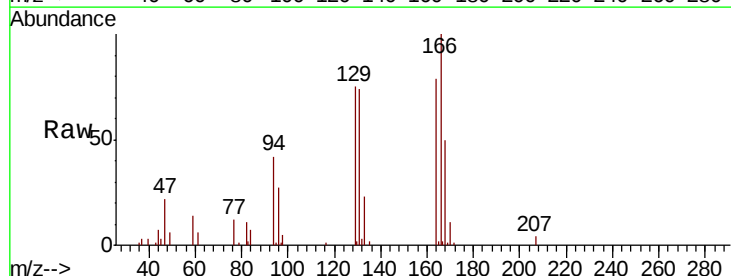
Instrument :
 MSVOA_V
 ClientSampleId :

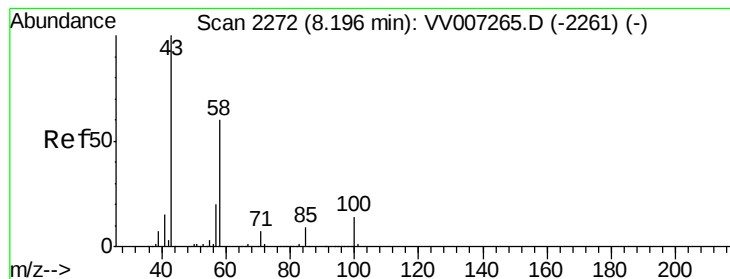
Tot Ion:	97	Resp:	14255
Ion	Ratio	Lower	Upper
97	100		
99	65.2	45.6	84.6
83	88.7	61.4	114.0
85	53.5	39.4	73.2



#47
 Tetrachloroethene
 Concen: 0.882 ug/L
 RT: 8.02 min Scan# 2218
 Delta R.T. 0.00 min
 Lab File: VV007264.D
 Acq: 30 Aug 2018 15:38

Tgt Ion:	164	Resp:	16509
Ion	Ratio	Lower	Upper
164	100		
129	94.8	63.8	118.4
131	92.8	60.3	112.1
166	126.0	89.5	166.1





#48

2-Hexanone

Concen: 6.654 ug/L

RT: 8.20 min Scan# 2272

Delta R.T. 0.00 min

Lab File: VV007264.D

Acq: 30 Aug 2018 15:38

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion: 43 Resp: 59444

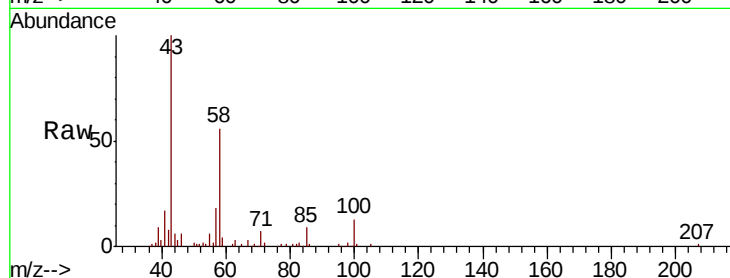
Ion Ratio Lower Upper

43 100

58 52.6 46.6 69.8

57 17.4 15.4 23.0

100 12.7 10.4 15.6

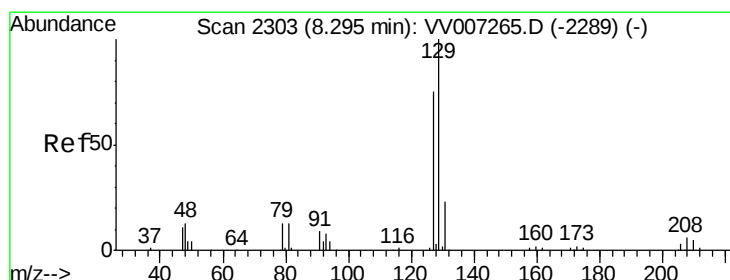
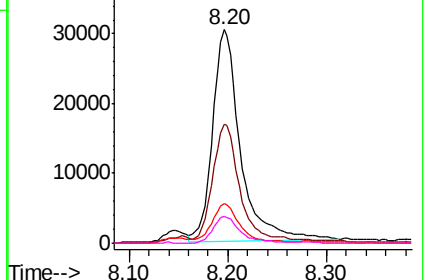
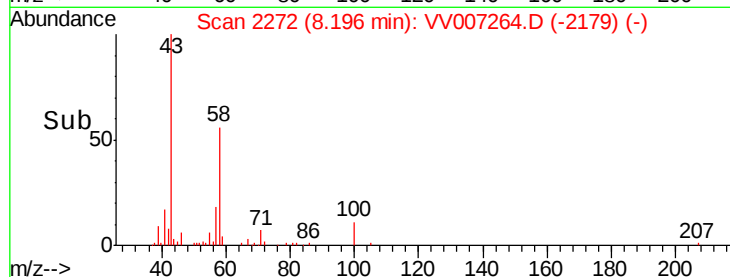


Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

Ion 57.20 (56.90 to 57.90): VV0

Ion 100.15 (99.85 to 100.85): VV0



#49

Dibromochloromethane

Concen: 0.833 ug/L

RT: 8.30 min Scan# 2303

Delta R.T. 0.00 min

Lab File: VV007264.D

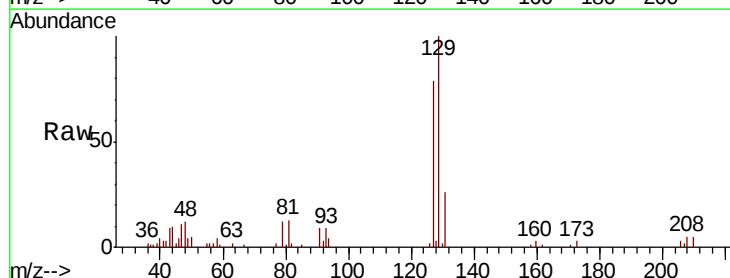
Acq: 30 Aug 2018 15:38

Tgt Ion: 129 Resp: 15831

Ion Ratio Lower Upper

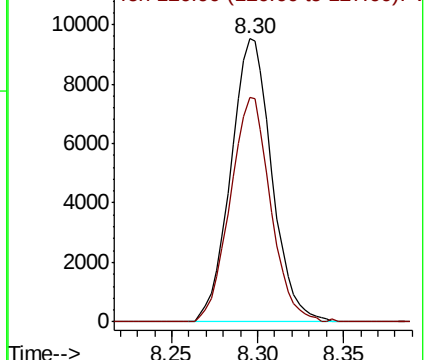
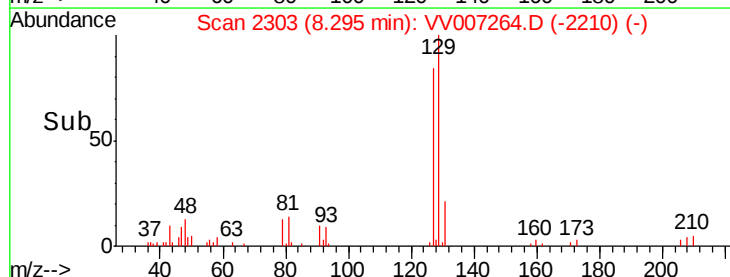
129 100

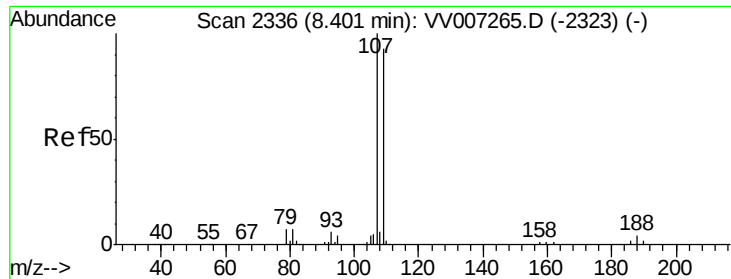
127 79.4 52.1 96.9



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V

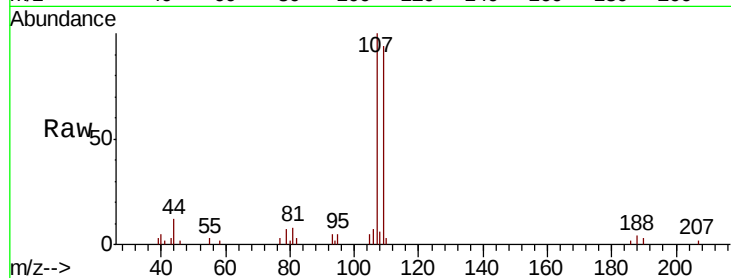




#50
1,2-Dibromoethane
Concen: 0.862 ug/L
RT: 8.40 min Scan# 2337
Delta R.T. 0.00 min
Lab File: VV007264.D
Acq: 30 Aug 2018 15:38

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.6	65.5	121.6
188	4.2	3.0	4.6

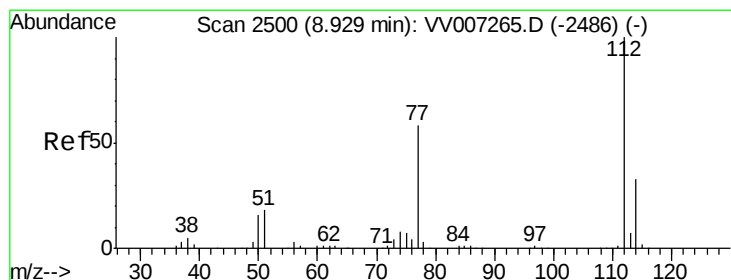
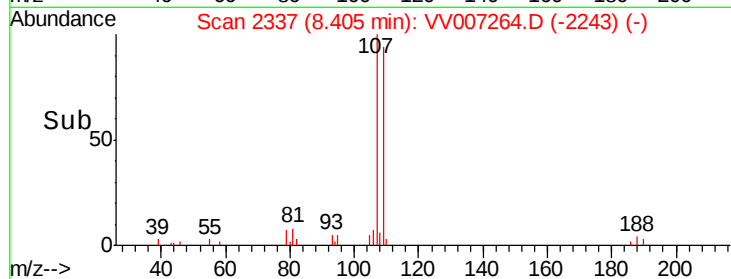
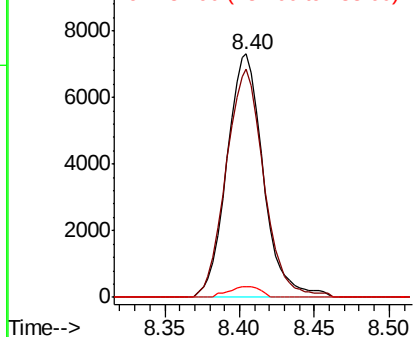


Abundance

Ion 106.95 (106.65 to 107.65): V

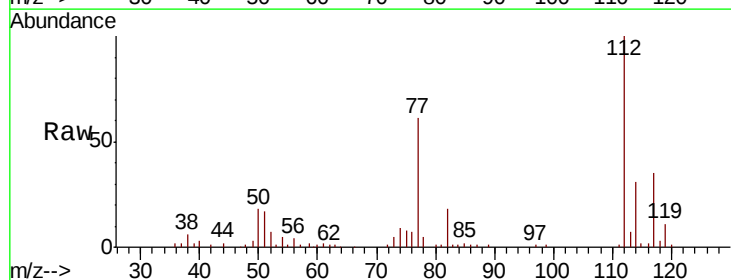
Ion 109.00 (108.70 to 109.70): V

Ion 187.90 (187.60 to 188.60): V



#51
Chlorobenzene
Concen: 0.849 ug/L
RT: 8.93 min Scan# 2500
Delta R.T. 0.00 min
Lab File: VV007264.D
Acq: 30 Aug 2018 15:38

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.4	22.7	42.3
77	61.2	46.7	70.1

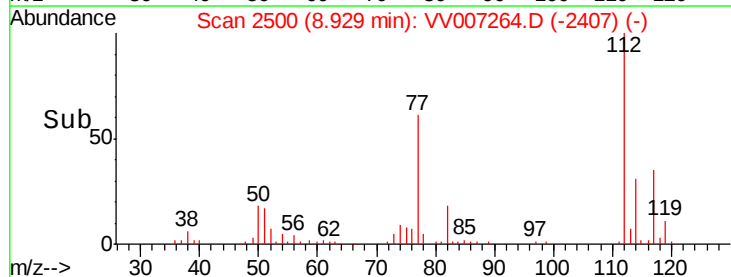
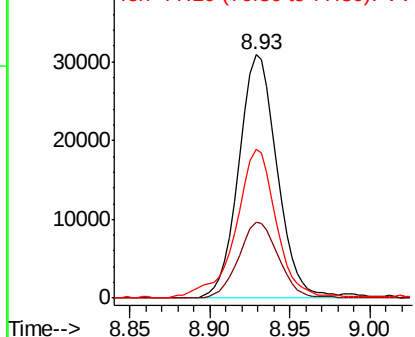


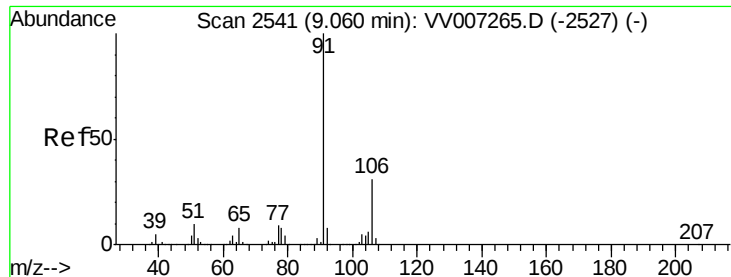
Abundance

Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VV0





#52

Ethylbenzene

Concen: 0.793 ug/L

RT: 9.06 min Scan# 2541

Delta R.T. 0.00 min

Lab File: VV007264.D

Acq: 30 Aug 2018 15:38

Instrument :

MSVOA_V

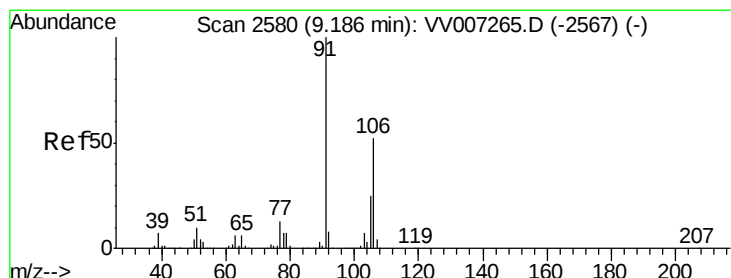
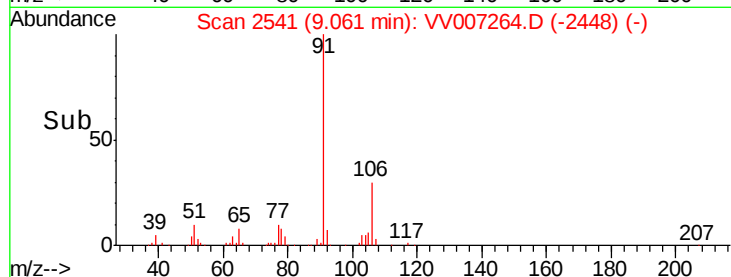
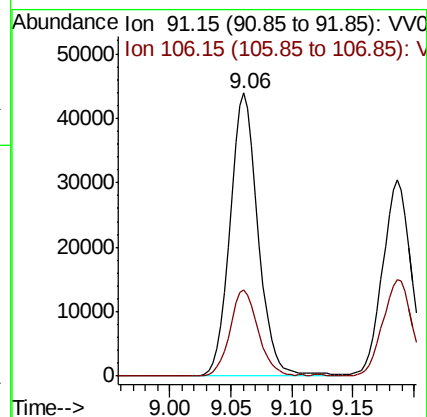
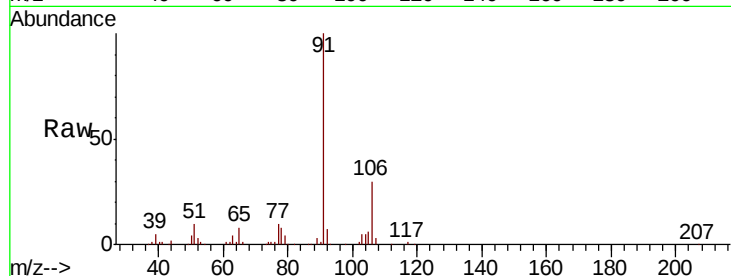
ClientSampleId :

Tot Ion: 91 Resp: 70725

Ion Ratio Lower Upper

91 100

106 30.4 21.6 40.2



#53

m,p-xylene

Concen: 0.754 ug/L

RT: 9.19 min Scan# 2580

Delta R.T. 0.00 min

Lab File: VV007264.D

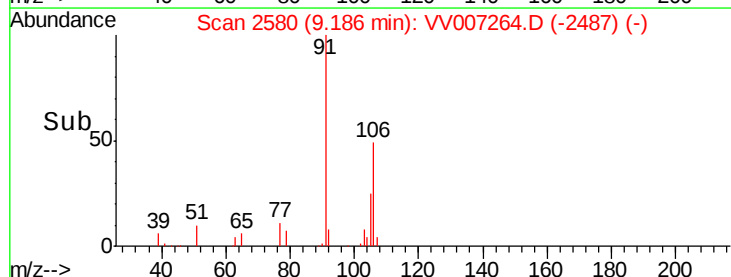
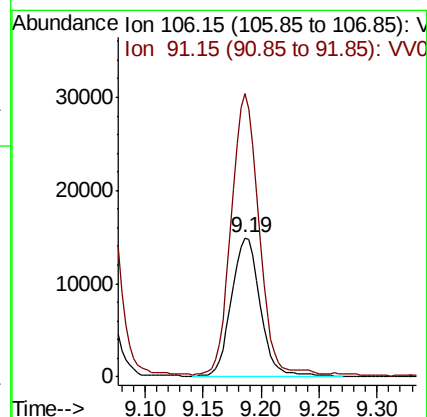
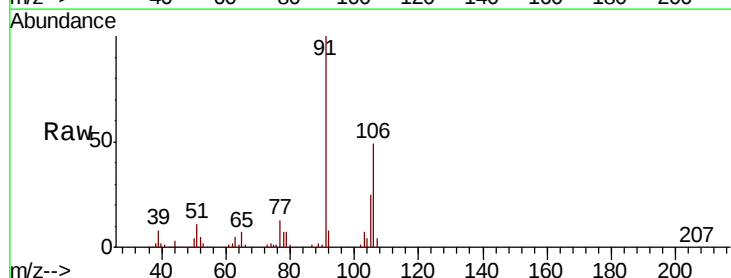
Acq: 30 Aug 2018 15:38

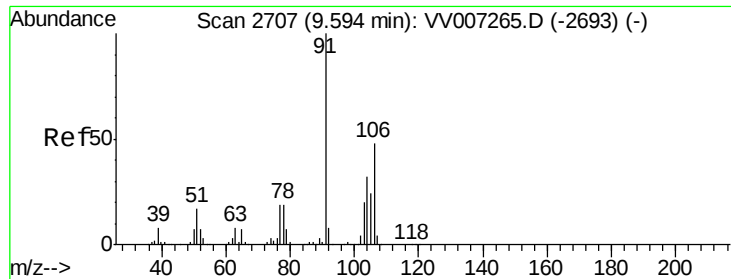
Tgt Ion: 106 Resp: 25868

Ion Ratio Lower Upper

106 100

91 203.1 135.9 252.3





#54

o-xylene

Concen: 0.780 ug/L

RT: 9.59 min Scan# 2706

Delta R.T. -0.00 min

Lab File: VV007264.D

Acq: 30 Aug 2018 15:38

Instrument :

MSVOA_V

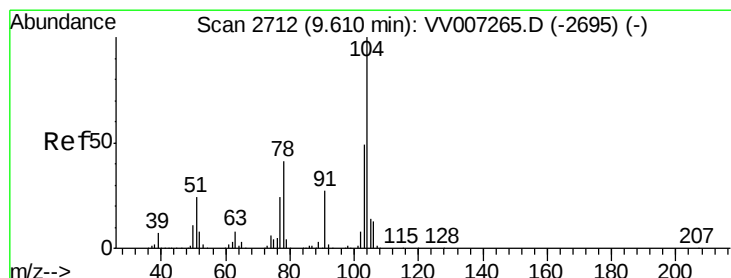
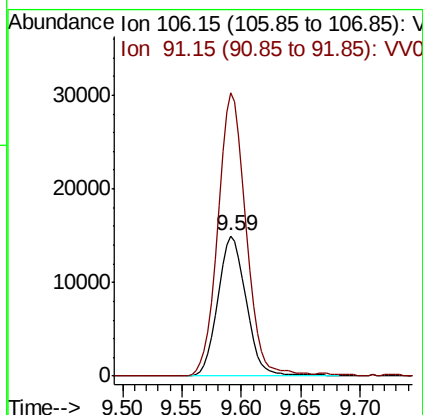
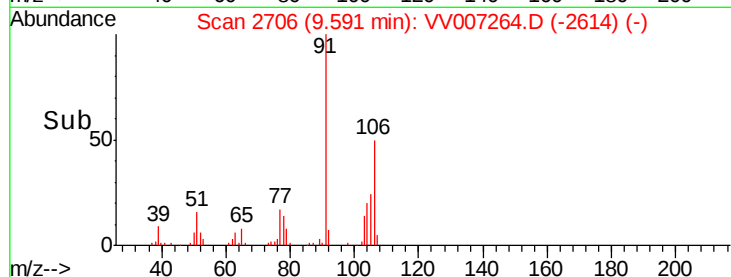
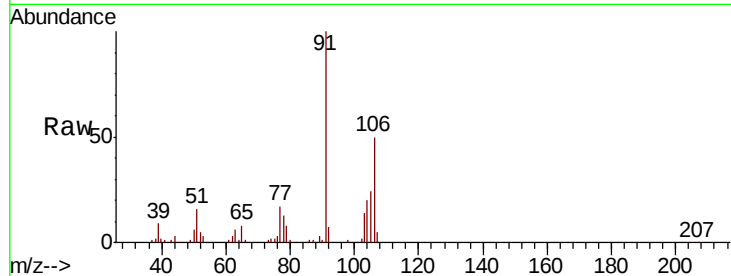
ClientSampled :

Tot Ion:106 Resp: 24820

Ion Ratio Lower Upper

106 100

91 202.0 146.2 271.4



#55

Styrene

Concen: 0.698 ug/L

RT: 9.61 min Scan# 2712

Delta R.T. 0.00 min

Lab File: VV007264.D

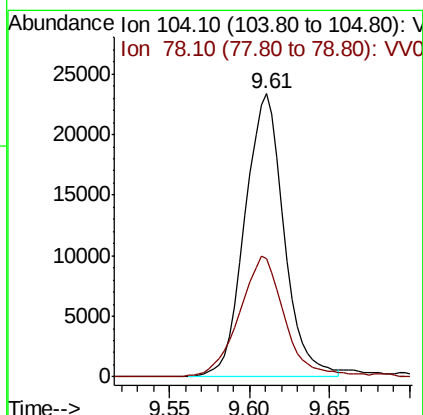
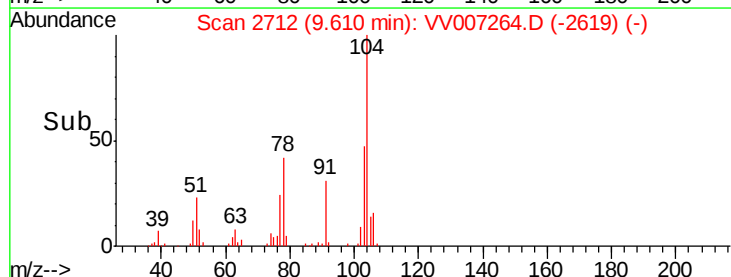
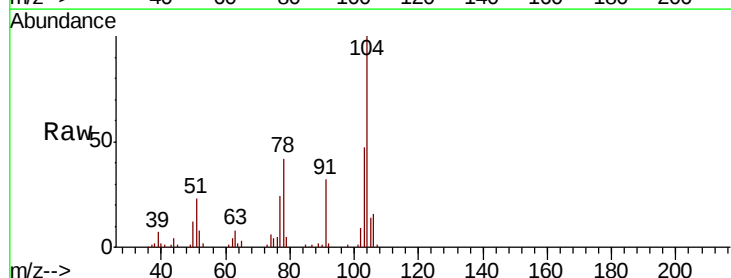
Acq: 30 Aug 2018 15:38

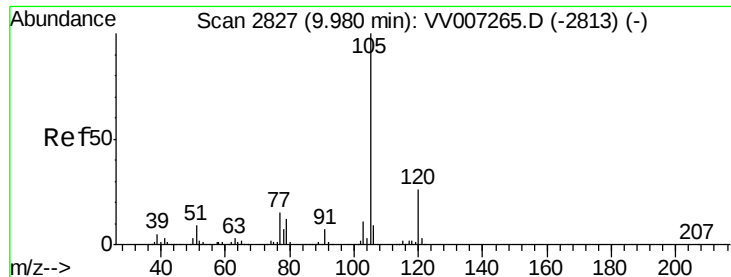
Tgt Ion:104 Resp: 39053

Ion Ratio Lower Upper

104 100

78 41.9 28.8 53.4

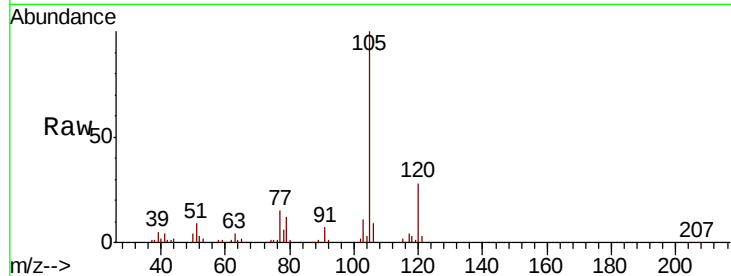




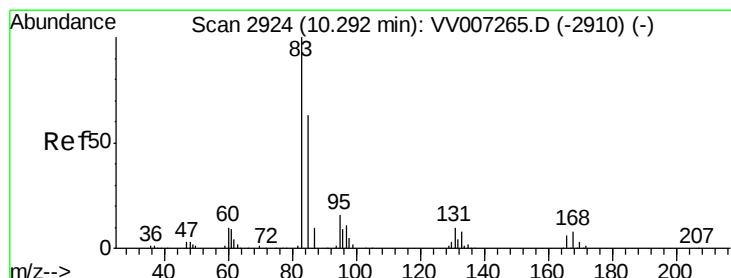
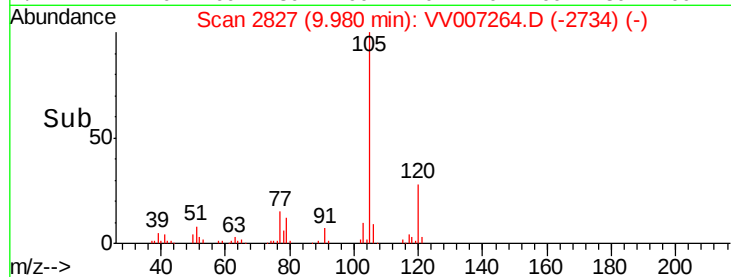
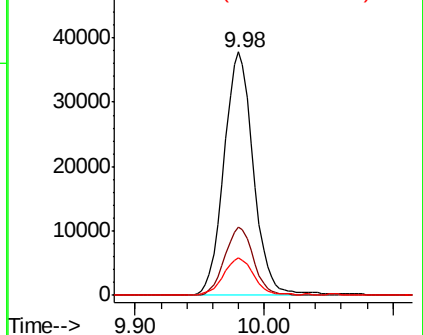
#56
Isopropylbenzene
Concen: 0.715 ug/L
RT: 9.98 min Scan# 2827
Delta R.T. 0.00 min
Lab File: VV007264.D
Acq: 30 Aug 2018 15:38

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
105	100		
120	27.2	21.2	31.8
77	16.0	12.2	18.2

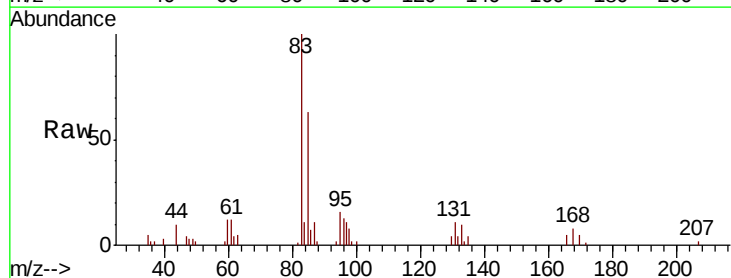


Abundance Ion 105.05 (104.75 to 105.75): V
Ion 120.10 (119.80 to 120.80): V
Ion 77.10 (76.80 to 77.80): V

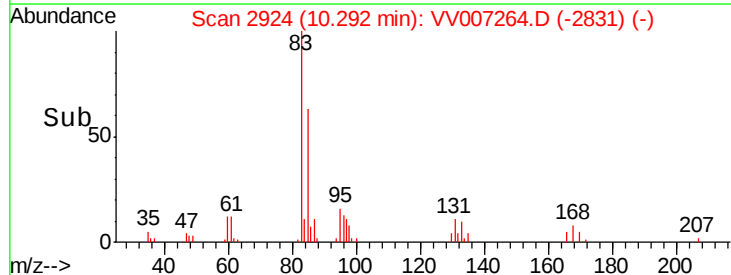
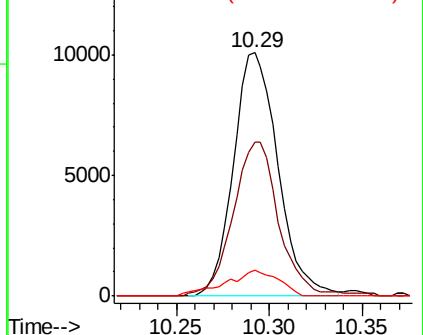


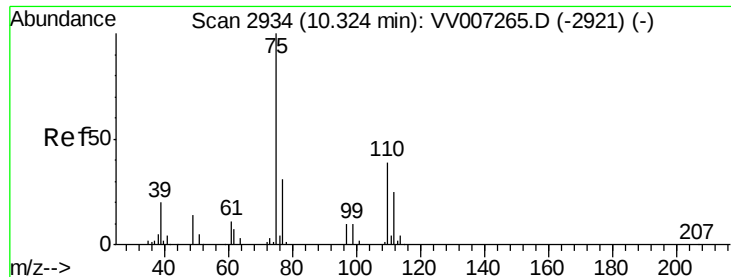
#58
1,1,2,2-Tetrachloroethane
Concen: 0.858 ug/L
RT: 10.29 min Scan# 2924
Delta R.T. 0.00 min
Lab File: VV007264.D
Acq: 30 Aug 2018 15:38

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.1	44.1	81.9
131	10.6	7.8	11.8



Abundance Ion 82.95 (82.65 to 83.65): V
Ion 85.00 (84.70 to 85.70): V
Ion 130.95 (130.65 to 131.65): V

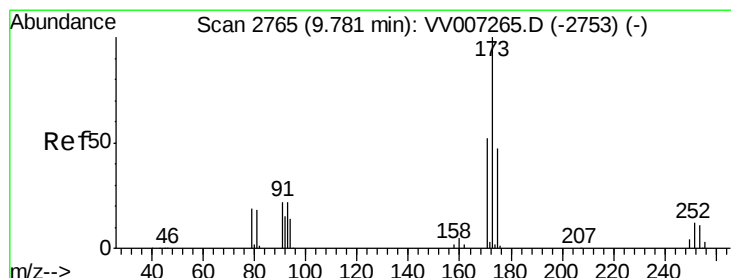
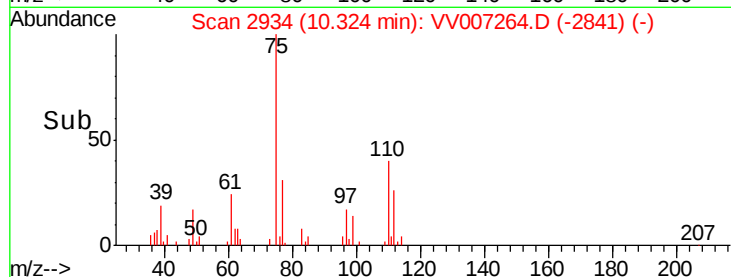
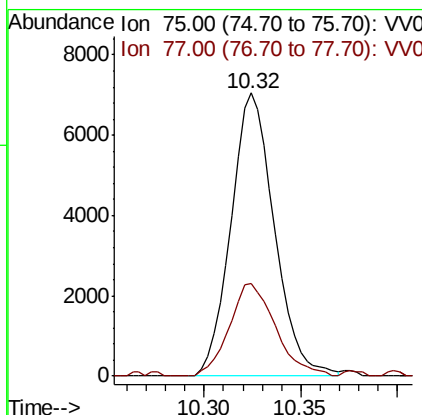
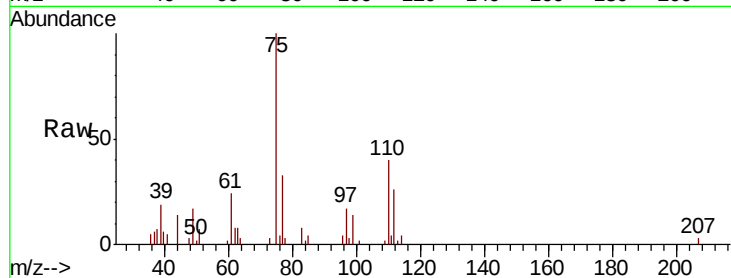




#59
 1,2,3-Trichloropropane
 Concen: 0.783 ug/L
 RT: 10.32 min Scan# 2934
 Delta R.T. 0.00 min
 Lab File: VV007264.D
 Acq: 30 Aug 2018 15:38

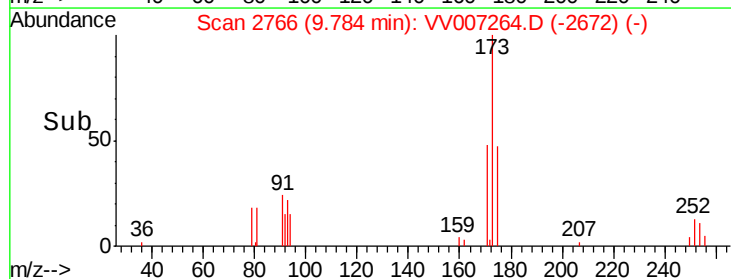
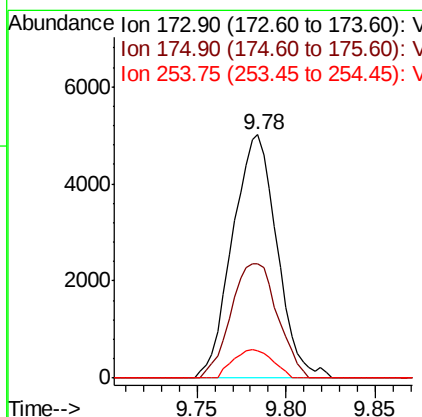
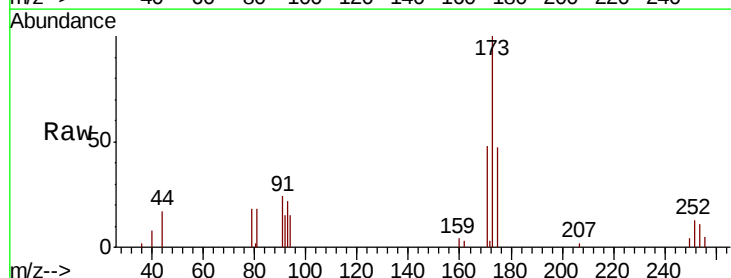
Instrument :
 MSVOA_V
 ClientSampleId :

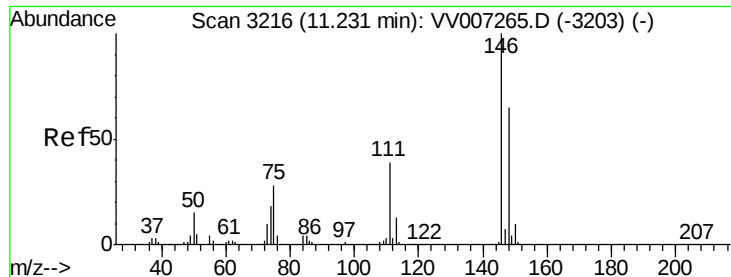
Tot Ion: 75 Resp: 10999
 Ion Ratio Lower Upper
 75 100
 77 34.7 26.3 39.5



#61
 Bromoform
 Concen: 0.896 ug/L
 RT: 9.78 min Scan# 2766
 Delta R.T. 0.00 min
 Lab File: VV007264.D
 Acq: 30 Aug 2018 15:38

Tgt Ion: 173 Resp: 8740
 Ion Ratio Lower Upper
 173 100
 175 49.1 38.8 58.2
 254 10.5 9.0 13.6





#62

1,3-Dichlorobenzene

Concen: 0.852 ug/L

RT: 11.23 min Scan# 3216

Delta R.T. 0.00 min

Lab File: VV007264.D

Acq: 30 Aug 2018 15:38

Instrument :

MSVOA_V

ClientSampled :

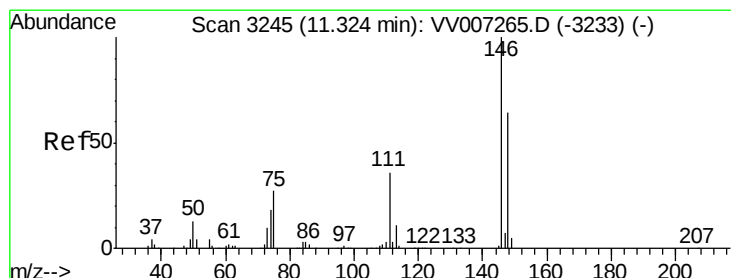
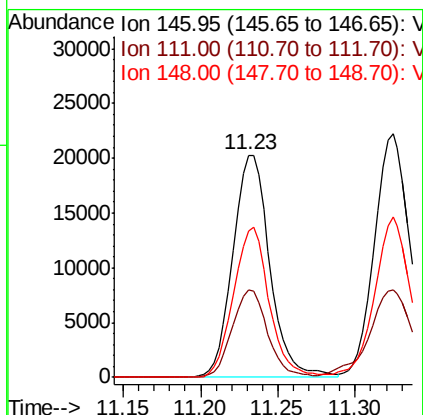
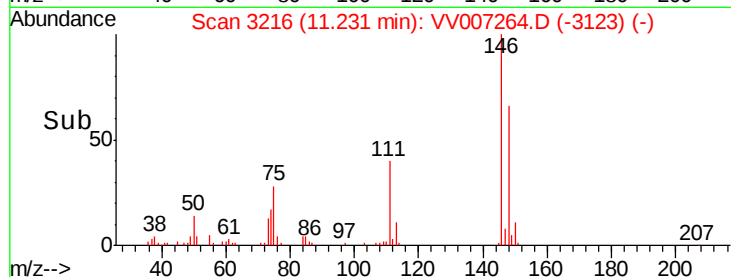
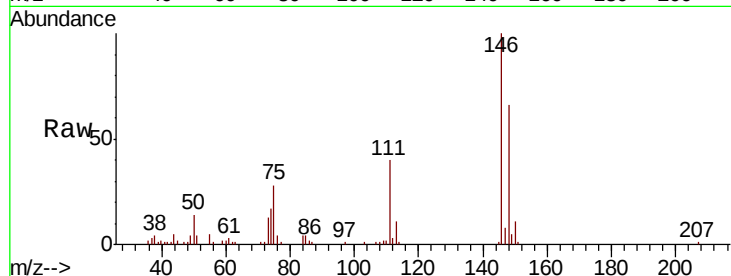
Tot Ion:146 Resp: 33664

Ion Ratio Lower Upper

146 100

111 39.6 27.6 51.2

148 65.8 45.3 84.1



#63

1,4-Dichlorobenzene

Concen: 0.845 ug/L

RT: 11.32 min Scan# 3245

Delta R.T. 0.00 min

Lab File: VV007264.D

Acq: 30 Aug 2018 15:38

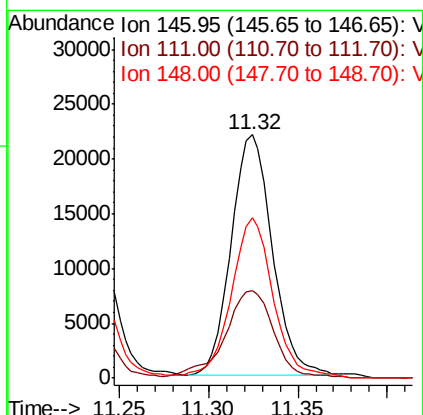
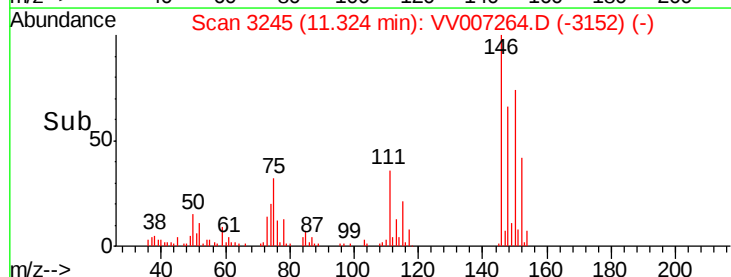
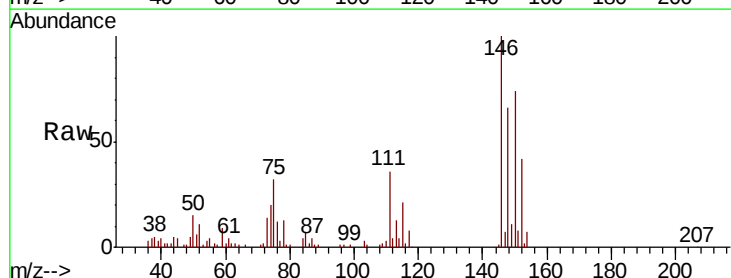
Tgt Ion:146 Resp: 35446

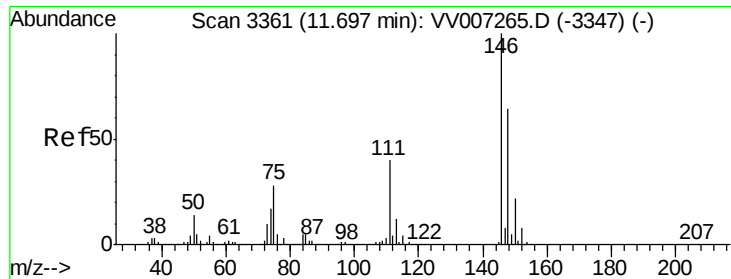
Ion Ratio Lower Upper

146 100

111 35.7 25.6 47.6

148 65.6 45.0 83.6





#65

1,2-Dichlorobenzene

Concen: 0.846 ug/L

RT: 11.70 min Scan# 3361

Delta R.T. 0.00 min

Lab File: VV007264.D

Acq: 30 Aug 2018 15:38

Instrument :

MSVOA_V

ClientSampled :

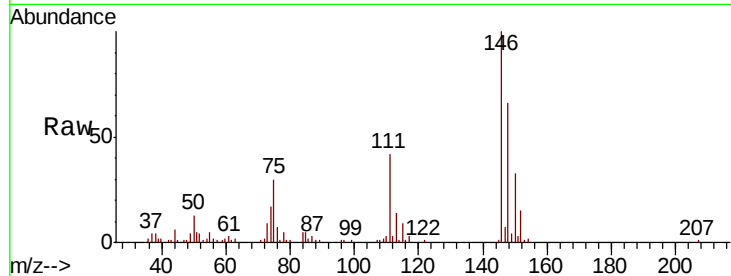
Tot Ion:146 Resp: 33589

Ion Ratio Lower Upper

146 100

111 41.6 32.1 48.1

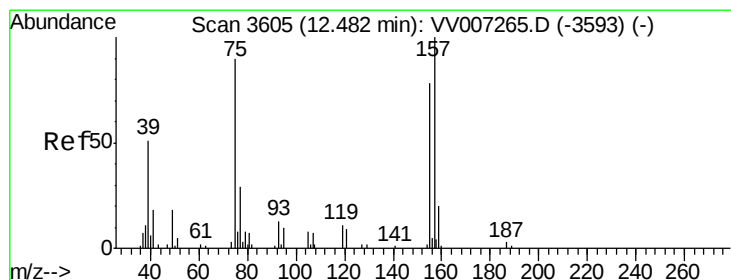
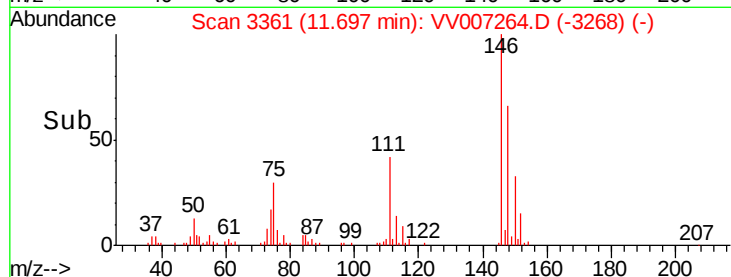
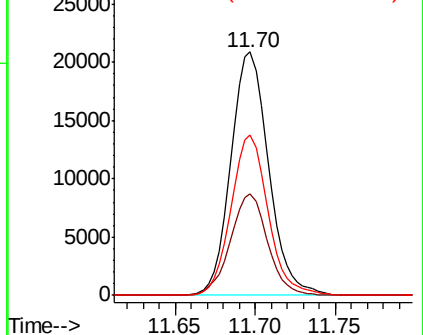
148 65.6 50.8 76.2



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 0.944 ug/L

RT: 12.48 min Scan# 3605

Delta R.T. 0.00 min

Lab File: VV007264.D

Acq: 30 Aug 2018 15:38

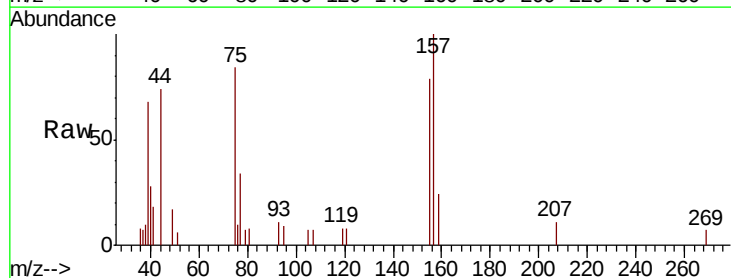
Tgt Ion: 75 Resp: 2243

Ion Ratio Lower Upper

75 100

155 93.9 69.5 104.3

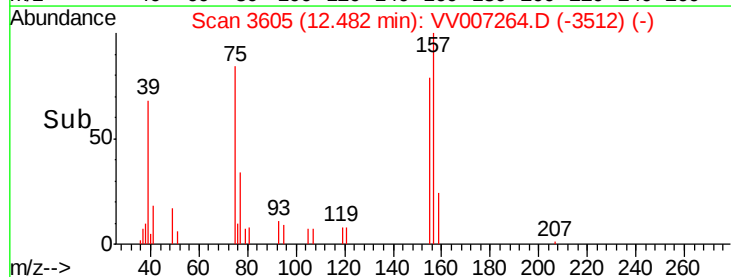
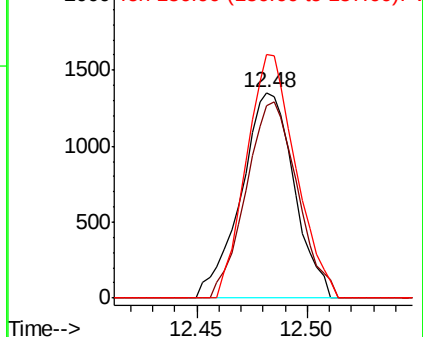
157 118.6 89.1 133.7

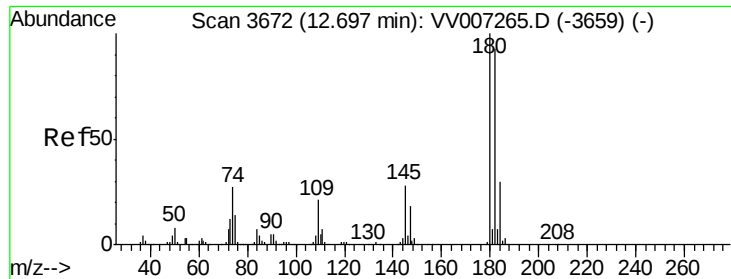


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

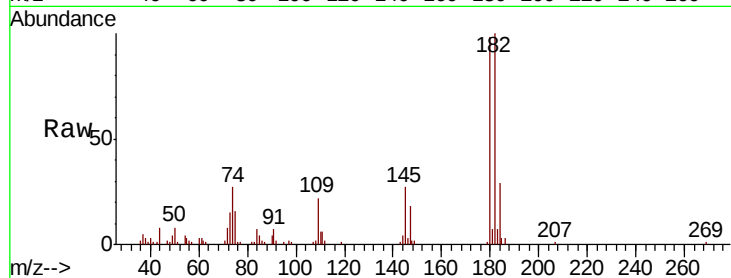




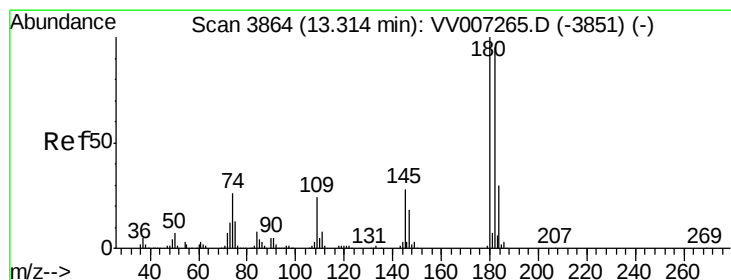
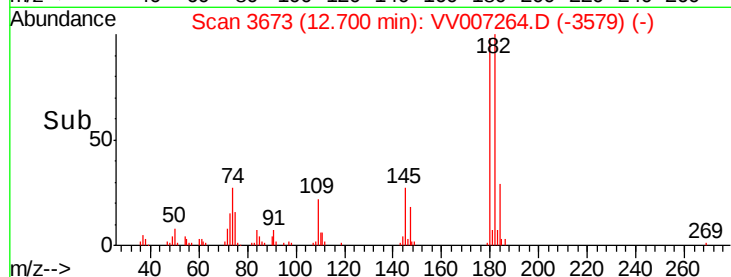
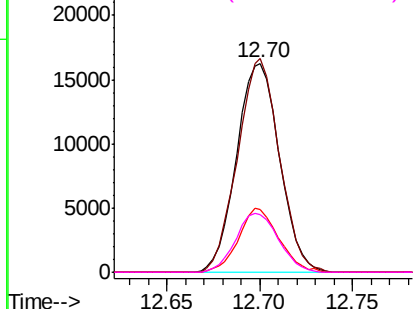
#67
 1,3,5-Trichlorobenzene
 Concen: 0.884 ug/L
 RT: 12.70 min Scan# 3673
 Delta R.T. 0.00 min
 Lab File: VV007264.D
 Acq: 30 Aug 2018 15:38

Instrument :
 MSVOA_V
 ClientSampled :

Tot Ion:180	Resp:	26147
Ion	Ratio	Lower Upper
180	100	
182	99.5	75.2 112.8
184	28.6	23.8 35.6
145	28.3	22.2 33.4

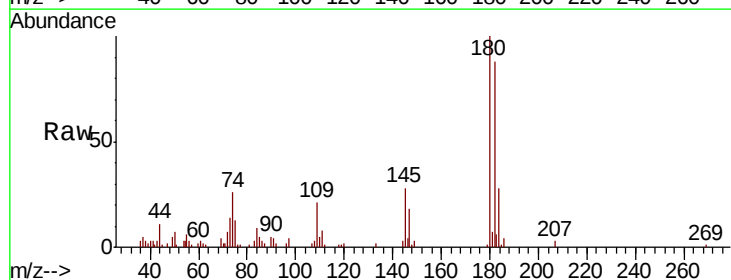


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

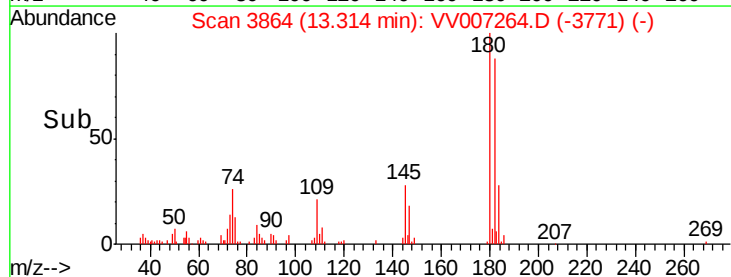
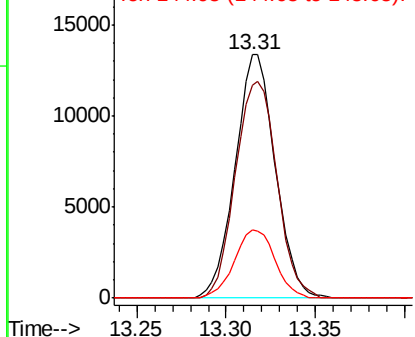


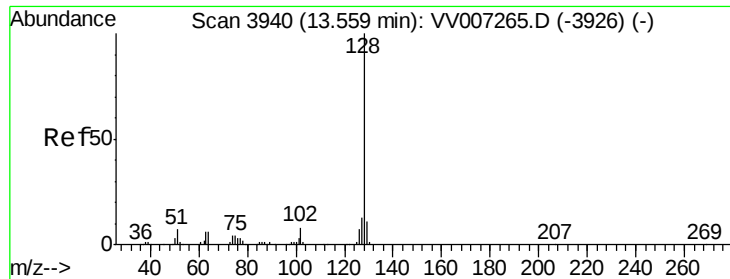
#68
 1,2,4-trichlorobenzene
 Concen: 1.031 ug/L
 RT: 13.31 min Scan# 3864
 Delta R.T. 0.00 min
 Lab File: VV007264.D
 Acq: 30 Aug 2018 15:38

Tgt Ion:180	Resp:	21002
Ion	Ratio	Lower Upper
180	100	
182	92.0	76.3 114.5
145	28.4	22.4 33.6



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 1.010 ug/L

RT: 13.56 min Scan# 3940

Delta R.T. 0.00 min

Lab File: VV007264.D

Acq: 30 Aug 2018 15:38

Instrument :

MSVOA_V

ClientSampleId :

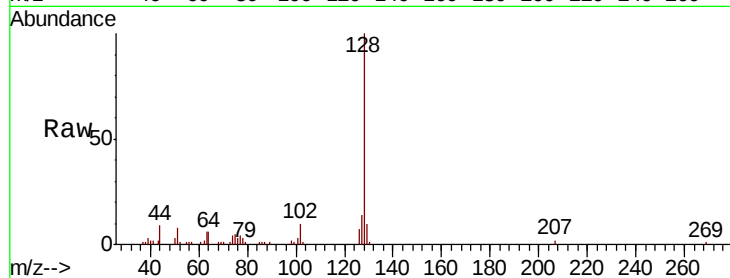
Tot Ion:128 Resp: 27085

Ion Ratio Lower Upper

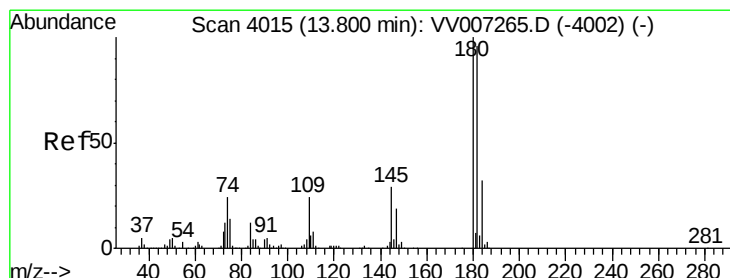
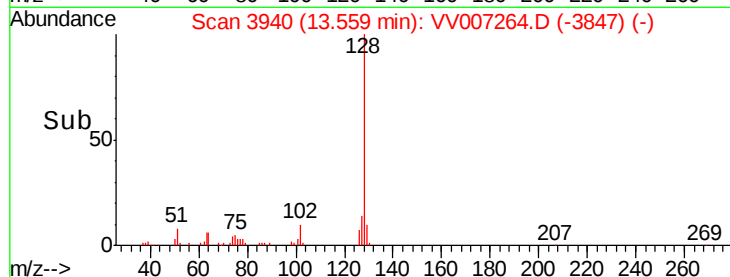
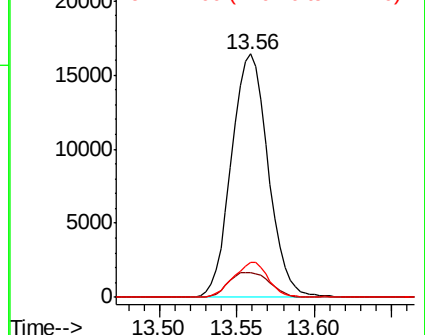
128 100

129 11.4 8.8 13.2

127 13.6 10.6 16.0



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 0.989 ug/L

RT: 13.80 min Scan# 4015

Delta R.T. 0.00 min

Lab File: VV007264.D

Acq: 30 Aug 2018 15:38

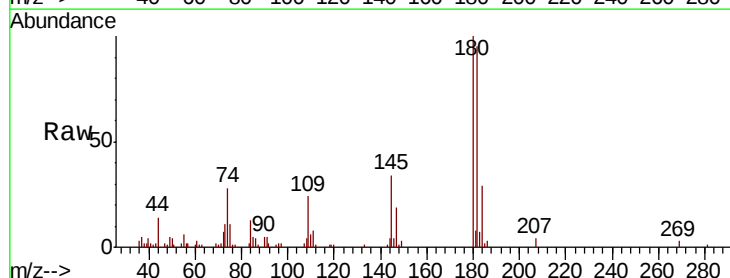
Tgt Ion:180 Resp: 19691

Ion Ratio Lower Upper

180 100

182 94.3 76.6 114.8

145 31.8 24.8 37.2



Abundance Ion 179.90 (179.60 to 180.60): V
Ion 181.90 (181.60 to 182.60): V
Ion 144.95 (144.65 to 145.65): V

