

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV112918\
 Data File : VV008767.D
 Acq On : 29 Nov 2018 16:35
 Operator : SY/MD
 Sample : VSTDICV005
 Misc : 25.0 mL/MSVOA_V/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VICV68

Quant Time: Nov 30 04:59:38 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR112918WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Nov 30 04:55:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	200230	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	182230	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	89903	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	53033	3.83	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	76.60%
7) Chloroethane-d5	1.59	69	39006	3.96	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	79.20%
11) 1,1-Dichloroethene-d2	2.14	63	100189	4.21	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	84.20%
20) 2-Butanone-d5	3.98	46	126740	40.85	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	81.70%
24) Chloroform-d	4.41	84	112967	4.12	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	82.40%
26) 1,2-Dichloroethane-d4	5.09	65	54153	4.12	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	82.40%
32) Benzene-d6	5.10	84	233532	4.20	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.00%
36) 1,2-Dichloropropane-d6	6.12	67	67458	4.03	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	80.60%
41) Toluene-d8	7.36	98	219907	4.28	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.60%
43) trans-1,3-Dichloropropene-	7.67	79	24392	4.35	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	87.00%
46) 2-Hexanone-d5	8.14	63	103560	44.38	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	88.76%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	45285	4.29	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	85.80%
64) 1,2-Dichlorobenzene-d4	11.68	152	76839	4.15	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	83.00%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	88481	4.995	ug/L 99
3) Chloromethane	1.25	50	65168	4.912	ug/L 98
5) Vinyl chloride	1.32	62	65721	4.980	ug/L 97
6) Bromomethane	1.54	94	42544	5.139	ug/L 96
8) Chloroethane	1.60	64	36965	4.892	ug/L 100
9) Trichlorofluoromethane	1.77	101	100992	5.123	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	55740	4.942	ug/L 97
12) 1,1-Dichloroethene	2.14	96	49225	4.999	ug/L 87
13) Acetone	2.23	43	76152	49.248	ug/L 97
14) Carbon disulfide	2.32	76	150866	5.279	ug/L 99
15) Methyl Acetate	2.48	43	17915	4.329	ug/L 98
16) Methylene chloride	2.54	84	51767	4.662	ug/L 95
17) Methyl tert-butyl Ether	2.81	73	125579	5.179	ug/L 99
18) trans-1,2-Dichloroethene	2.79	96	54825	5.066	ug/L 97
19) 1,1-Dichloroethane	3.23	63	127405	5.297	ug/L 100
21) 2-Butanone	4.06	43	159038	51.308	ug/L 96
22) cis-1,2-Dichloroethene	3.97	96	77601	5.104	ug/L 96

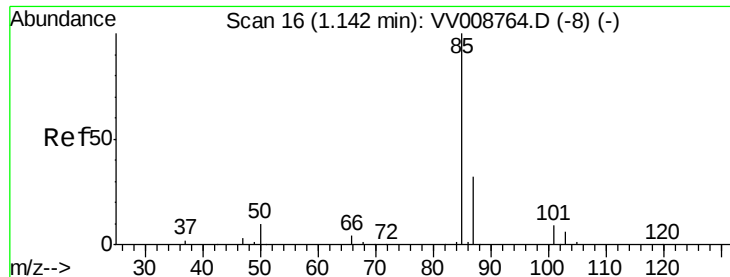
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV112918\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	32366	5.189	ug/L	95
25) Chloroform	4.43	83	131612	5.035	ug/L	97
27) 1,2-Dichloroethane	5.19	62	76707	5.107	ug/L	98
29) 1,1,1-Trichloroethane	4.66	97	112944	5.310	ug/L	99
30) Cyclohexane	4.72	56	116287	5.191	ug/L	99
31) Carbon tetrachloride	4.88	117	97868	5.316	ug/L	100
33) Benzene	5.15	78	285174	5.218	ug/L	100
34) Trichloroethene	5.96	95	80663	5.309	ug/L	99
35) Methylcyclohexane	6.18	83	127135	5.276	ug/L	100
37) 1,2-Dichloropropane	6.23	63	71165	5.238	ug/L	99
38) Bromodichloromethane	6.56	83	82362	5.310	ug/L	99
39) cis-1,3-Dichloropropene	7.07	75	98296	5.510	ug/L	99
40) 4-Methyl-2-pentanone	7.28	43	385775	54.871	ug/L	99
42) Toluene	7.43	91	302606	5.291	ug/L	100
44) trans-1,3-Dichloropropene	7.70	75	77737	5.528	ug/L	96
45) 1,1,2-Trichloroethane	7.89	97	48266	5.356	ug/L	99
47) Tetrachloroethene	8.02	164	62772	5.342	ug/L	98
48) 2-Hexanone	8.19	43	265263	53.744	ug/L	99
49) Dibromochloromethane	8.29	129	54777	5.582	ug/L	98
50) 1,2-Dibromoethane	8.40	107	44967	5.316	ug/L	95
51) Chlorobenzene	8.93	112	200823	5.333	ug/L	98
52) Ethylbenzene	9.06	91	334443	5.404	ug/L	100
53) m,p-xylene	9.18	106	129242	5.568	ug/L	98
54) o-xylene	9.59	106	121135	5.410	ug/L	98
55) Styrene	9.60	104	209093	5.616	ug/L	99
56) Isopropylbenzene	9.98	105	325333	5.334	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.29	83	53225	5.538	ug/L	98
59) 1,2,3-Trichloropropane	10.32	75	41175	5.282	ug/L	98
61) Bromoform	9.78	173	25615	5.255	ug/L	99
62) 1,3-Dichlorobenzene	11.23	146	154243	5.212	ug/L	100
63) 1,4-Dichlorobenzene	11.32	146	157293	5.373	ug/L	97
65) 1,2-Dichlorobenzene	11.69	146	142650	5.110	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	7332	5.333	ug/L	97
67) 1,3,5-Trichlorobenzene	12.69	180	115185	5.304	ug/L	97
68) 1,2,4-trichlorobenzene	13.31	180	93783	5.854	ug/L	98
69) Naphthalene	13.55	128	146875	6.269	ug/L	99
70) 1,2,3-Trichlorobenzene	13.80	180	87574	5.859	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 4.995 ug/L

RT: 1.14 min Scan# 16

Delta R.T. -0.00 min

Lab File: VV008767.D

Acq: 29 Nov 2018 16:35

Instrument :

MSVOA_V

ClientSampleId :

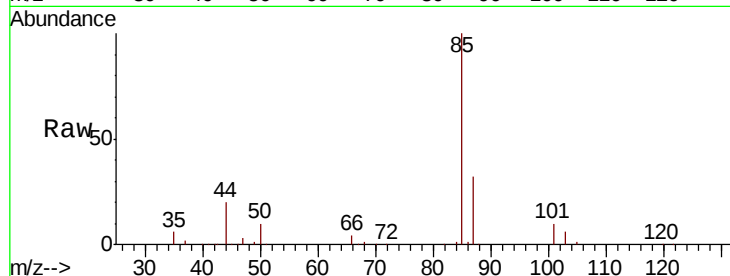
VICV68

Tgt Ion: 85 Resp: 88481

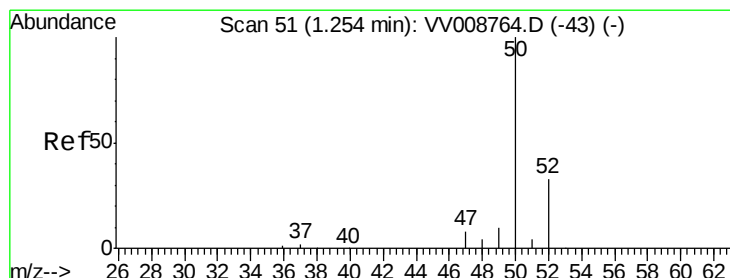
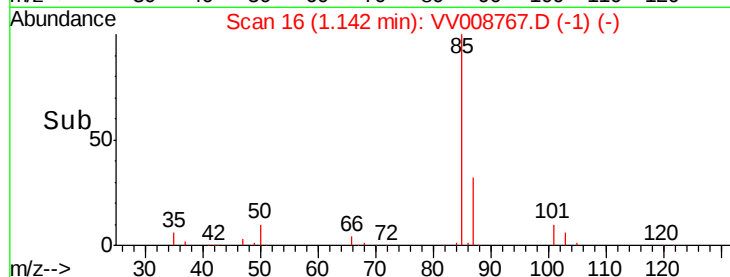
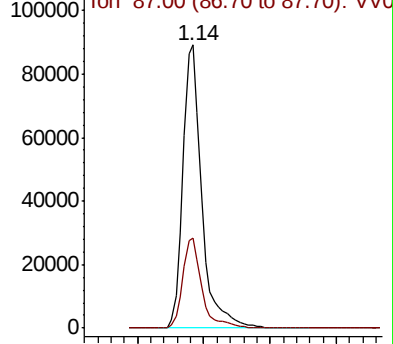
Ion Ratio Lower Upper

85 100

87 32.1 25.4 38.0



Abundance Ion 85.00 (84.70 to 85.70): VV008764.D (-8) (-)



#3

Chloromethane

Concen: 4.912 ug/L

RT: 1.25 min Scan# 51

Delta R.T. -0.00 min

Lab File: VV008767.D

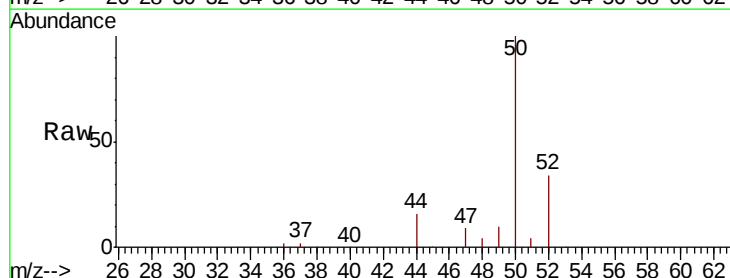
Acq: 29 Nov 2018 16:35

Tgt Ion: 50 Resp: 65168

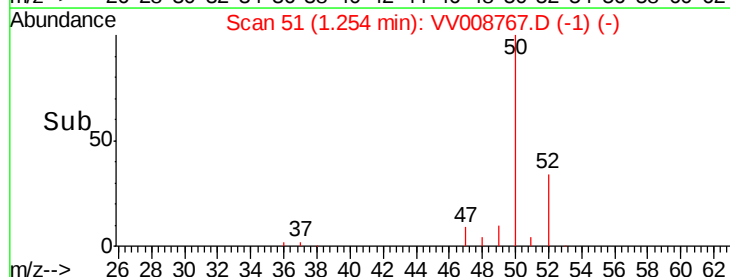
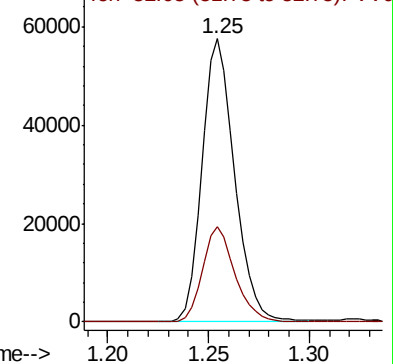
Ion Ratio Lower Upper

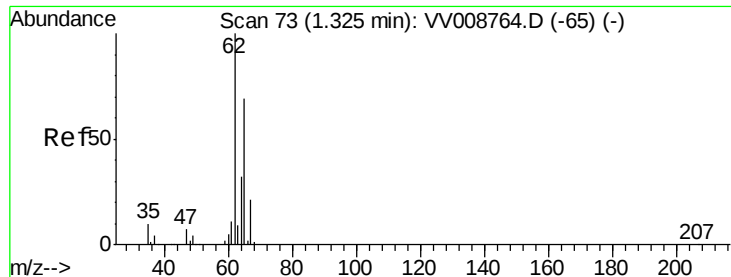
50 100

52 33.5 22.8 42.4



Abundance Ion 50.05 (49.75 to 50.75): VV008764.D (-43) (-)





#5

Vinyl chloride

Concen: 4.980 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV008767.D

Acq: 29 Nov 2018 16:35

Instrument :

MSVOA_V

ClientSampleId :

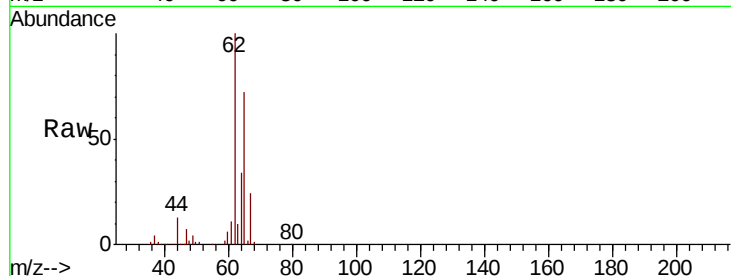
VICV68

Tgt Ion: 62 Resp: 65721

Ion Ratio Lower Upper

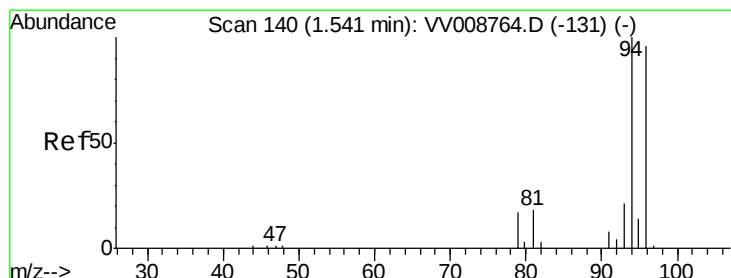
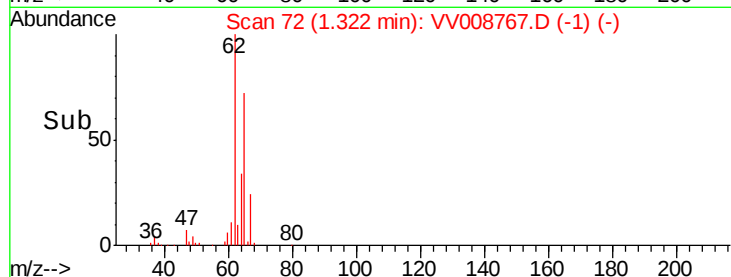
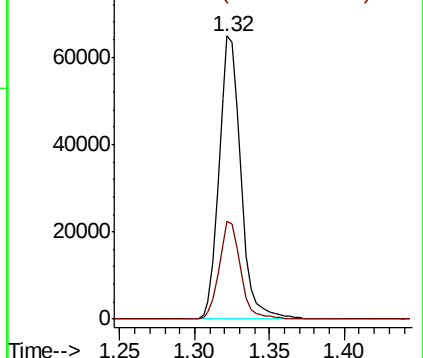
62 100

64 34.3 22.7 42.1



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0



#6

Bromomethane

Concen: 5.139 ug/L

RT: 1.54 min Scan# 139

Delta R.T. -0.00 min

Lab File: VV008767.D

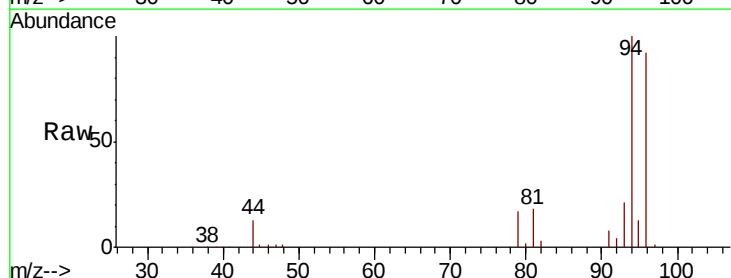
Acq: 29 Nov 2018 16:35

Tgt Ion: 94 Resp: 42544

Ion Ratio Lower Upper

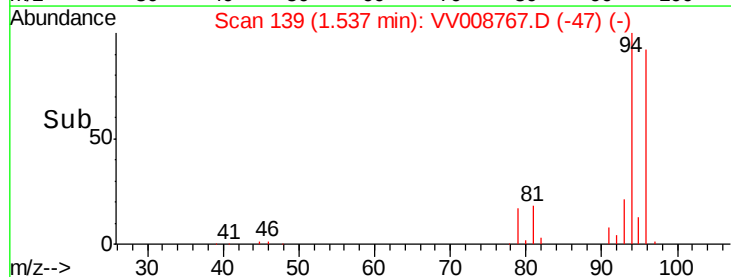
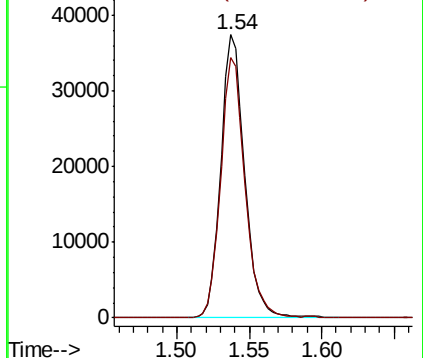
94 100

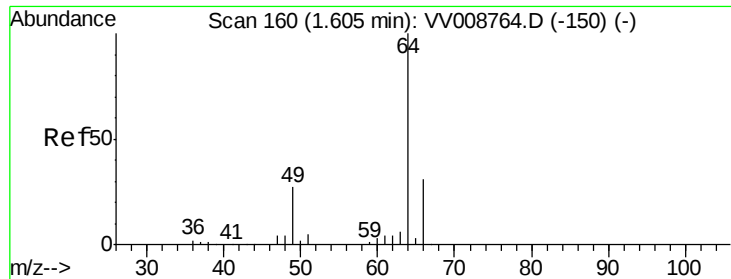
96 91.8 67.0 124.4



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 4.892 ug/L

RT: 1.60 min Scan# 159

Delta R.T. -0.00 min

Lab File: VV008767.D

Acq: 29 Nov 2018 16:35

Instrument :

MSVOA_V

ClientSampleId :

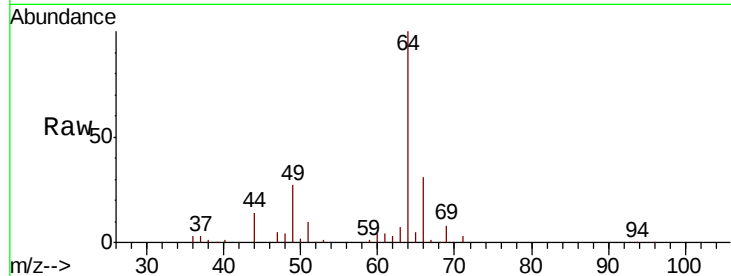
VICV68

Tgt Ion: 64 Resp: 36965

Ion Ratio Lower Upper

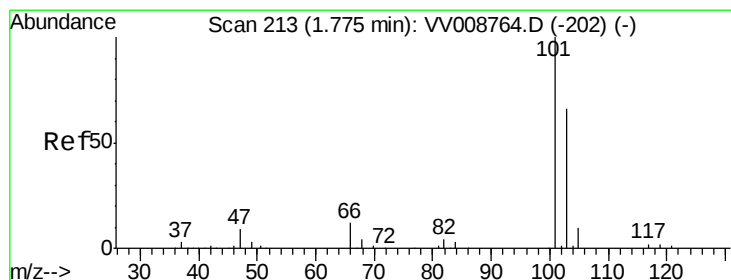
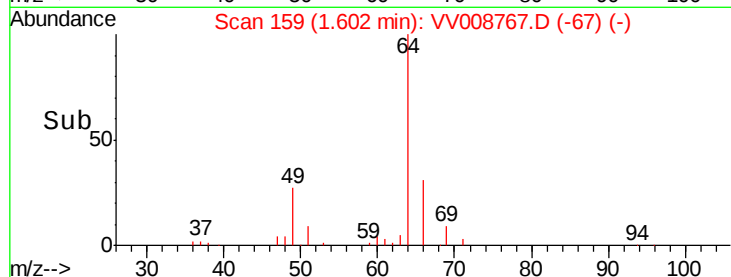
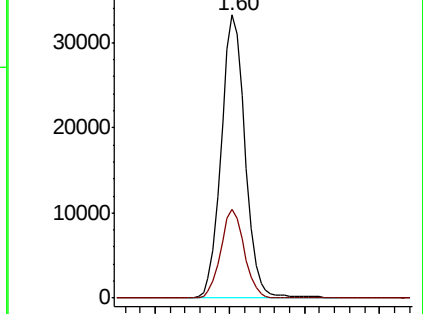
64 100

66 31.5 21.8 40.6



Abundance Ion 64.10 (63.80 to 64.80): VV008767.D (-150) (-)

Ion 66.05 (65.75 to 66.75): VV008767.D (-150) (-)



#9

Trichlorofluoromethane

Concen: 5.123 ug/L

RT: 1.77 min Scan# 212

Delta R.T. -0.00 min

Lab File: VV008767.D

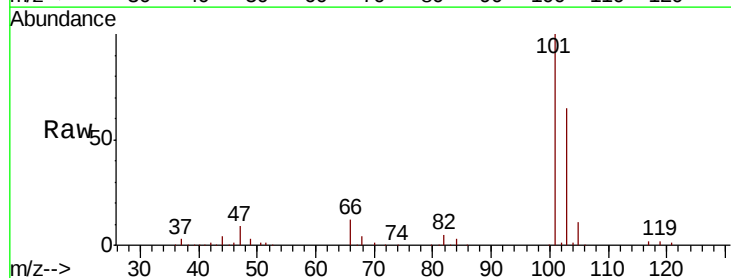
Acq: 29 Nov 2018 16:35

Tgt Ion: 101 Resp: 100992

Ion Ratio Lower Upper

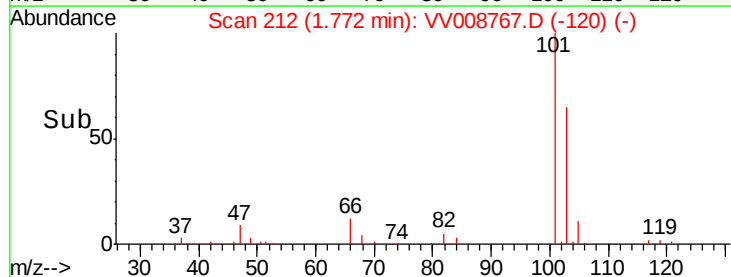
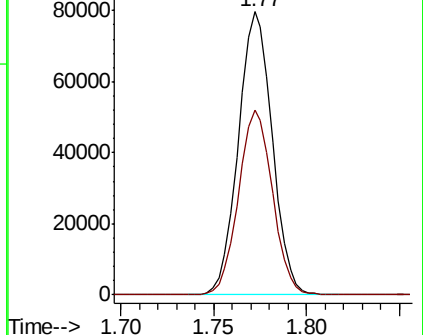
101 100

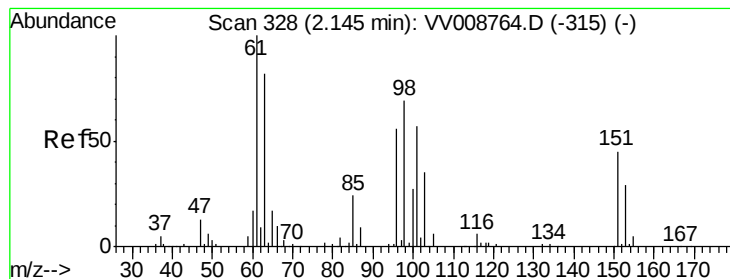
103 65.6 52.6 79.0



Abundance Ion 101.00 (100.70 to 101.70): VV008767.D (-202) (-)

Ion 103.00 (102.70 to 103.70): VV008767.D (-202) (-)





#10

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

Concen: 4.942 ug/L

RT: 2.14 min Scan# 327

Delta R.T. -0.00 min

Lab File: VV008767.D

Acq: 29 Nov 2018 16:35

Instrument :

MSVOA_V

ClientSampleId :

VICV68

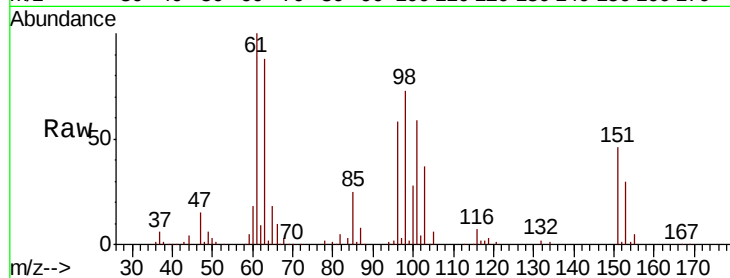
Tgt Ion:101 Resp: 55740

Ion Ratio Lower Upper

101 100

85 43.8 33.1 49.7

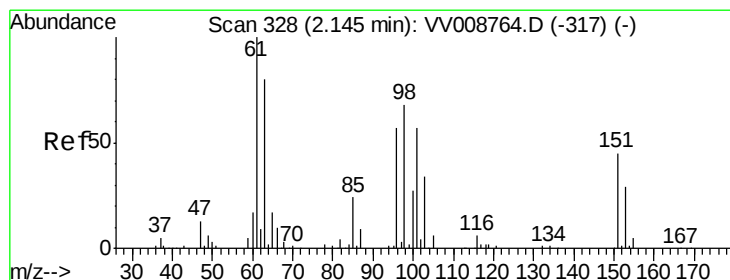
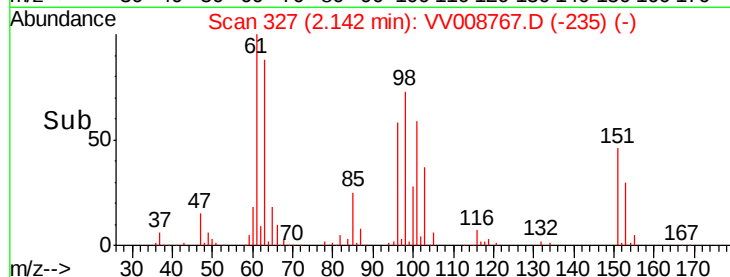
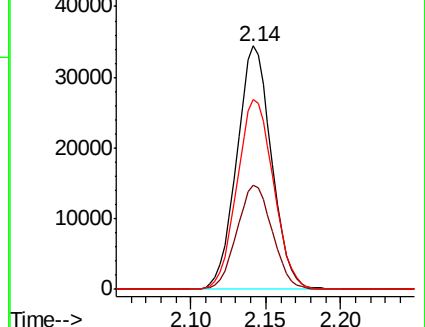
151 82.0 63.8 95.8



Abundance Ion 101.00 (100.70 to 101.70): VV008767.D (-235) (-)

Ion 85.00 (84.70 to 85.70): VV008767.D (-235) (-)

Ion 151.00 (150.70 to 151.70): VV008767.D (-235) (-)



#12

1,1-Dichloroethene

Concen: 4.999 ug/L

RT: 2.14 min Scan# 328

Delta R.T. -0.00 min

Lab File: VV008767.D

Acq: 29 Nov 2018 16:35

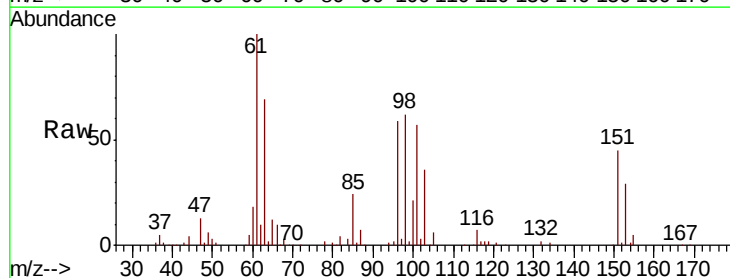
Tgt Ion: 96 Resp: 49225

Ion Ratio Lower Upper

96 100

61 170.9 124.3 230.8

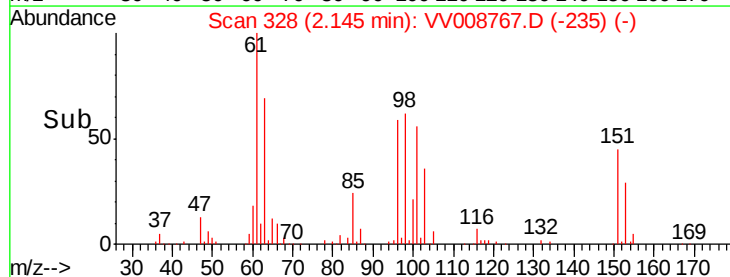
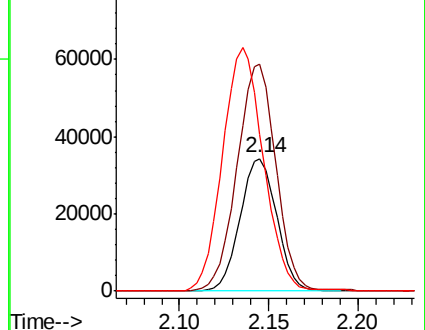
63 117.6 102.6 190.5

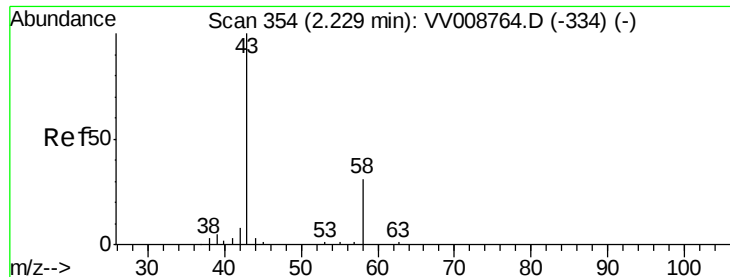


Abundance Ion 96.00 (95.70 to 96.70): VV008767.D (-235) (-)

Ion 61.05 (60.75 to 61.75): VV008767.D (-235) (-)

Ion 63.00 (62.70 to 63.70): VV008767.D (-235) (-)





#13

Acetone

Concen: 49.248 ug/L

RT: 2.23 min Scan# 356

Delta R.T. 0.01 min

Lab File: VV008767.D

Acq: 29 Nov 2018 16:35

Instrument :

MSVOA_V

ClientSampleId :

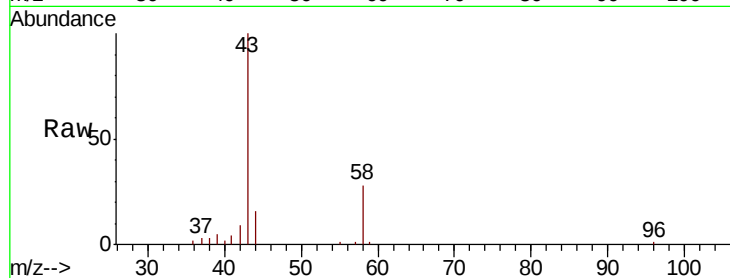
VICV68

Tgt Ion: 43 Resp: 76152

Ion Ratio Lower Upper

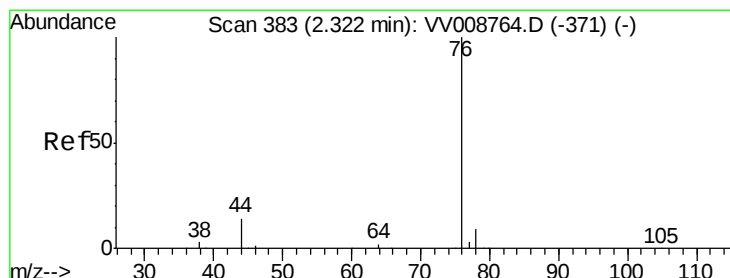
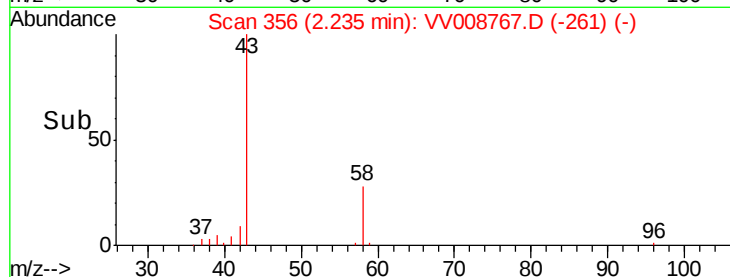
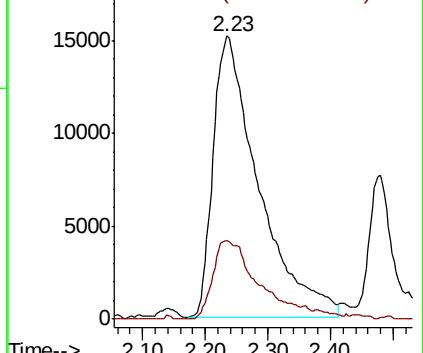
43 100

58 28.2 0.0 59.8



Abundance Ion 43.05 (42.75 to 43.75): VV008767.D (-334) (-)

Ion 58.05 (57.75 to 58.75): VV008767.D (-334) (-)



#14

Carbon disulfide

Concen: 5.279 ug/L

RT: 2.32 min Scan# 383

Delta R.T. -0.00 min

Lab File: VV008767.D

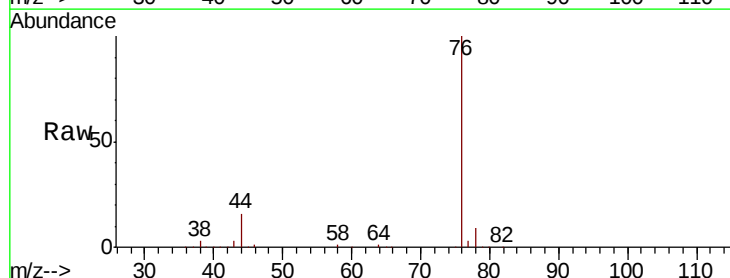
Acq: 29 Nov 2018 16:35

Tgt Ion: 76 Resp: 150866

Ion Ratio Lower Upper

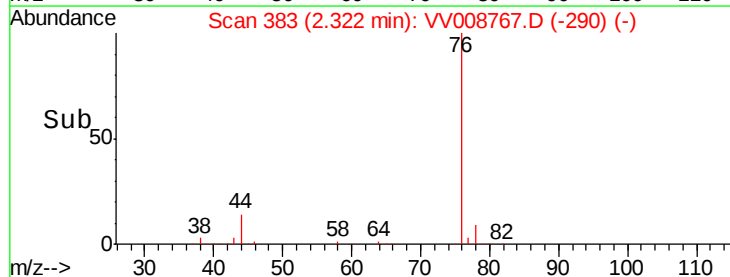
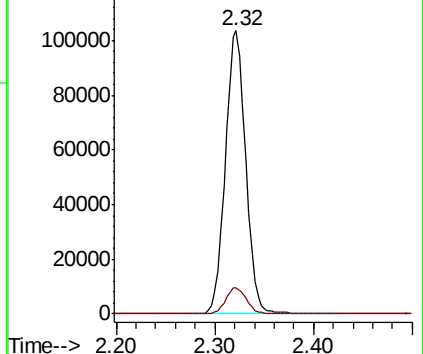
76 100

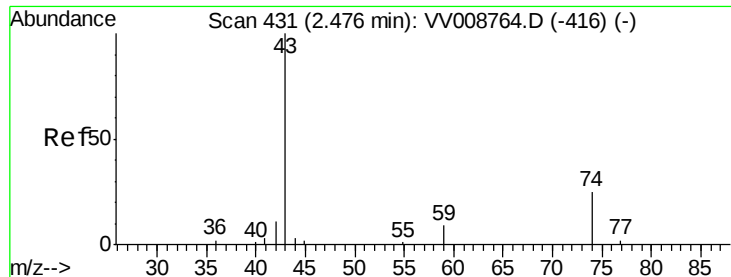
78 9.1 7.5 11.3



Abundance Ion 76.05 (75.75 to 76.75): VV008767.D (-371) (-)

Ion 78.00 (77.70 to 78.70): VV008767.D (-371) (-)

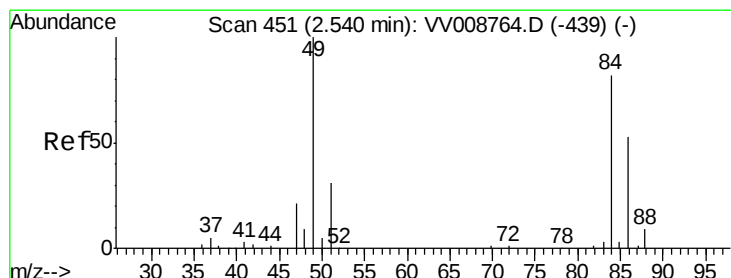
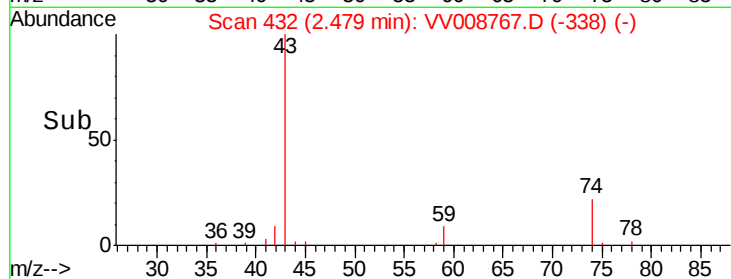
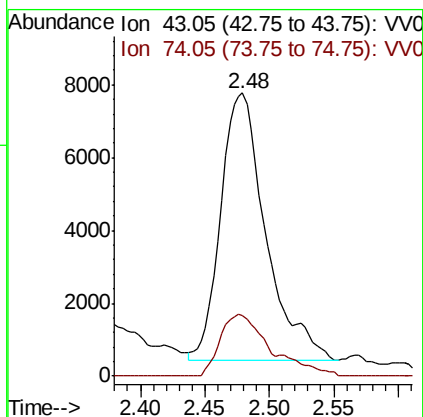
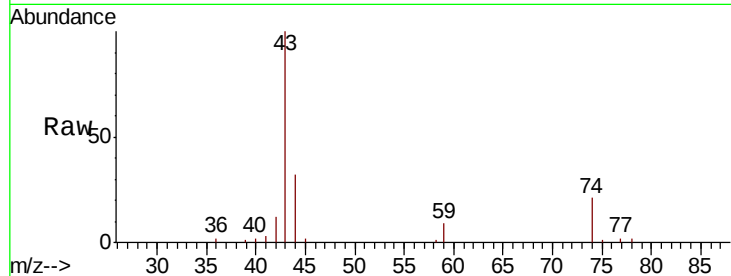




#15
Methyl Acetate
Concen: 4.329 ug/L
RT: 2.48 min Scan# 432
Delta R.T. 0.00 min
Lab File: VV008767.D
Acq: 29 Nov 2018 16:35

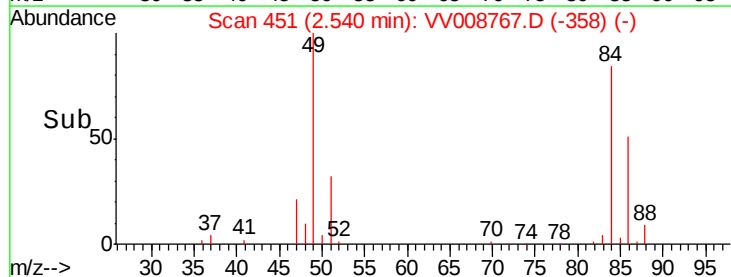
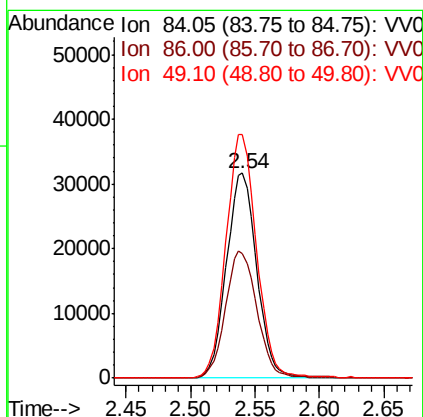
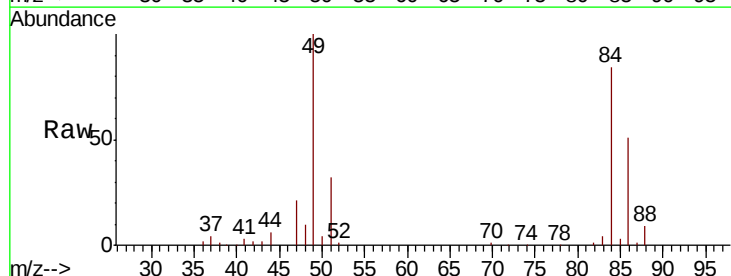
Instrument :
MSVOA_V
ClientSampleId :
VICV68

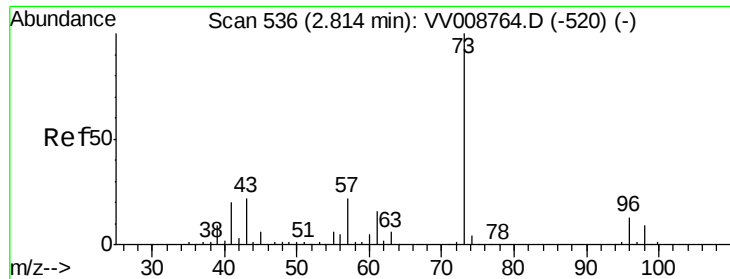
Tgt Ion: 43 Resp: 17915
Ion Ratio Lower Upper
43 100
74 25.8 20.0 30.0



#16
Methylene chloride
Concen: 4.662 ug/L
RT: 2.54 min Scan# 451
Delta R.T. -0.00 min
Lab File: VV008767.D
Acq: 29 Nov 2018 16:35

Tgt Ion: 84 Resp: 51767
Ion Ratio Lower Upper
84 100
86 60.6 45.8 85.2
49 118.6 85.9 159.5

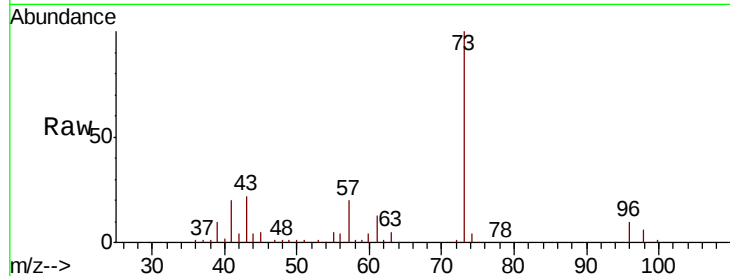




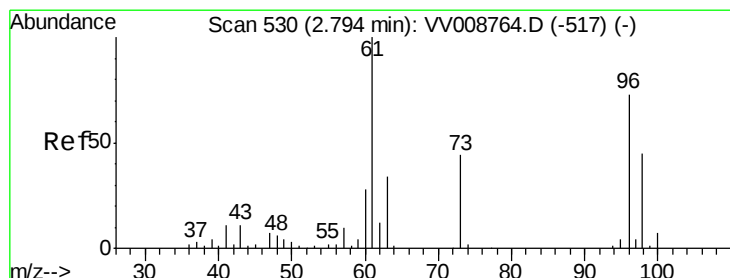
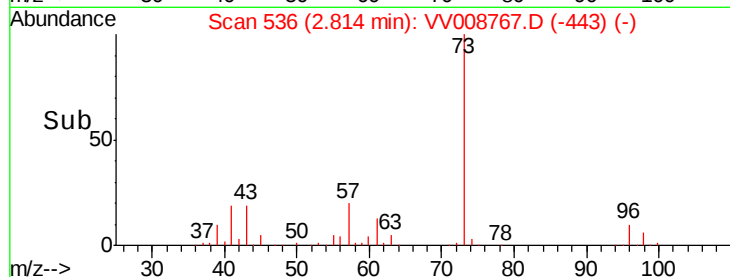
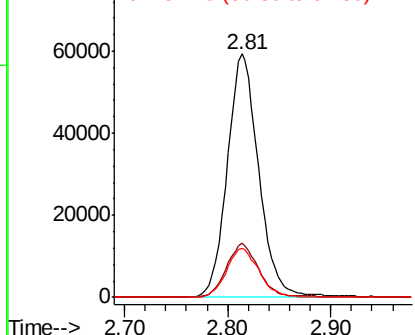
#17
Methyl tert-butyl Ether
Concen: 5.179 ug/L
RT: 2.81 min Scan# 536
Delta R.T. -0.00 min
Lab File: VV008767.D
Acq: 29 Nov 2018 16:35

Instrument :
MSVOA_V
ClientSampleId :
VICV68

Tgt Ion: 73 Resp: 125579
Ion Ratio Lower Upper
73 100
43 22.7 18.0 27.0
57 21.1 17.2 25.8

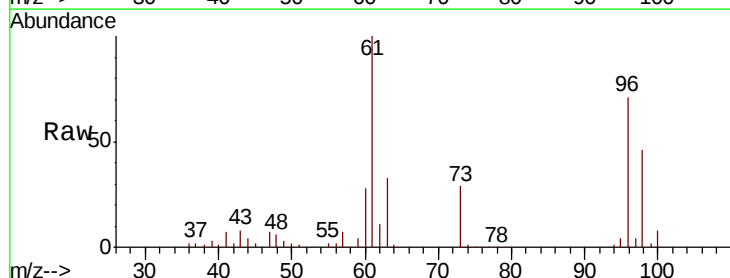


Abundance Ion 73.10 (72.80 to 73.80): VV0
Ion 43.05 (42.75 to 43.75): VV0
Ion 57.10 (56.80 to 57.80): VV0

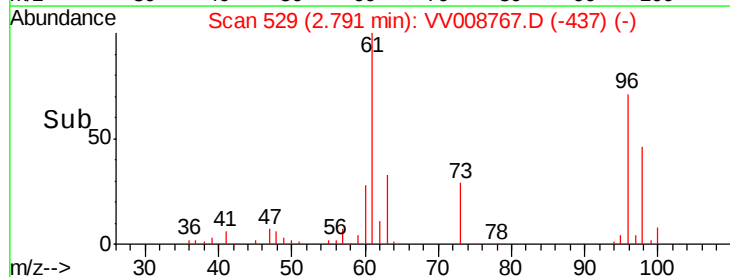
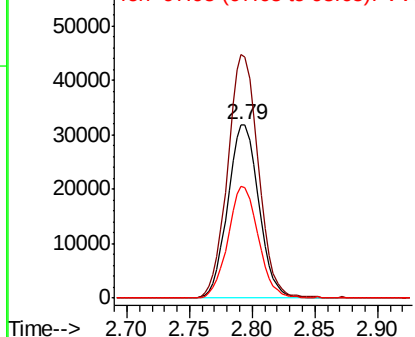


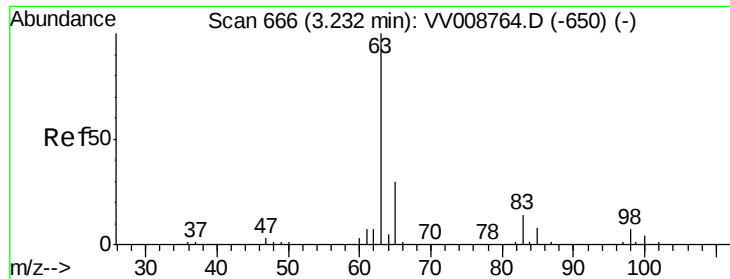
#18
trans-1,2-Dichloroethene
Concen: 5.066 ug/L
RT: 2.79 min Scan# 529
Delta R.T. -0.00 min
Lab File: VV008767.D
Acq: 29 Nov 2018 16:35

Tgt Ion: 96 Resp: 54825
Ion Ratio Lower Upper
96 100
61 140.6 95.8 177.8
98 64.9 43.3 80.3



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





#19

1,1-Dichloroethane

Concen: 5.297 ug/L

RT: 3.23 min Scan# 666

Delta R.T. -0.00 min

Lab File: VV008767.D

Acq: 29 Nov 2018 16:35

Instrument :

MSVOA_V

ClientSampleId :

VICV68

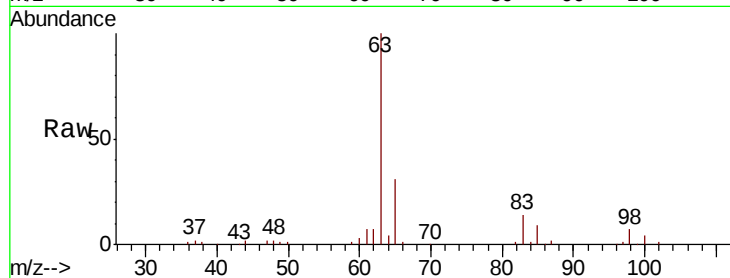
Tgt Ion: 63 Resp: 127405

Ion Ratio Lower Upper

63 100

65 30.7 21.3 39.6

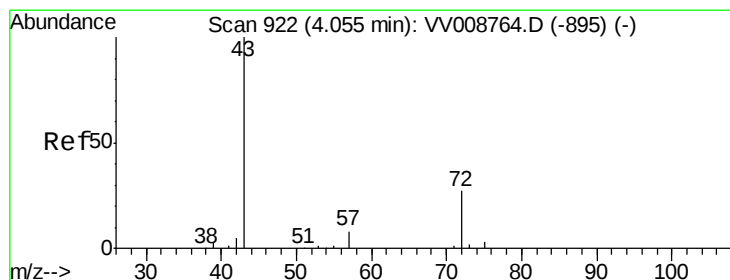
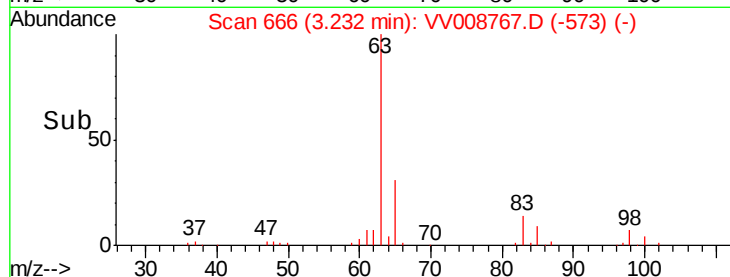
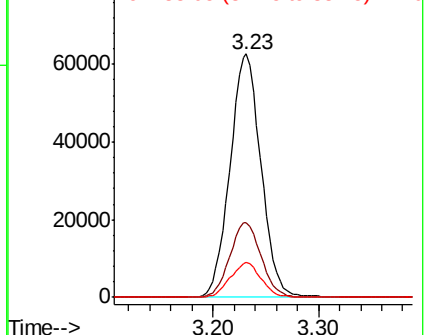
83 14.4 9.9 18.5



Abundance Ion 63.10 (62.80 to 63.80): VV0

Ion 65.10 (64.80 to 65.80): VV0

Ion 83.05 (82.75 to 83.75): VV0



#21

2-Butanone

Concen: 51.308 ug/L

RT: 4.06 min Scan# 924

Delta R.T. 0.01 min

Lab File: VV008767.D

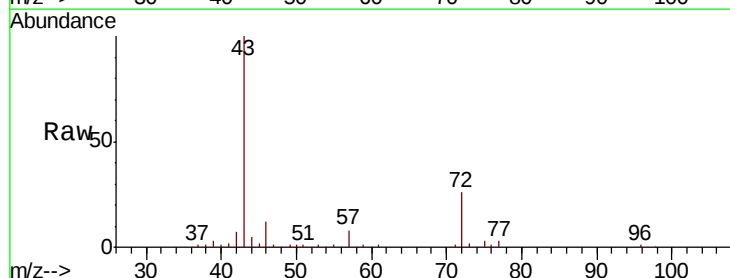
Acq: 29 Nov 2018 16:35

Tgt Ion: 43 Resp: 159038

Ion Ratio Lower Upper

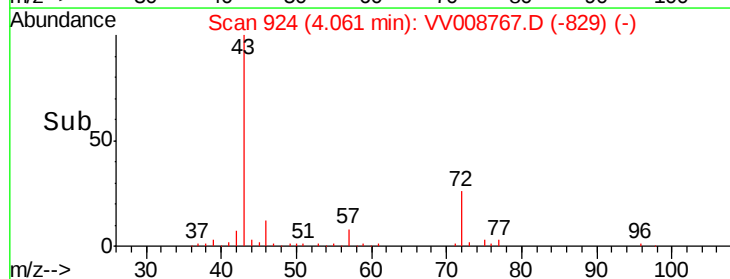
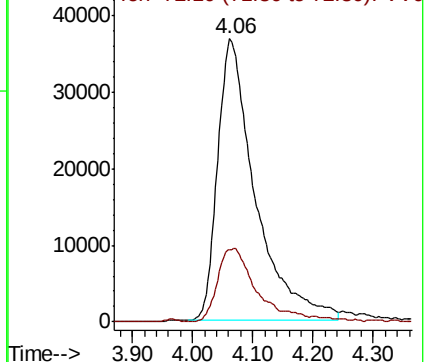
43 100

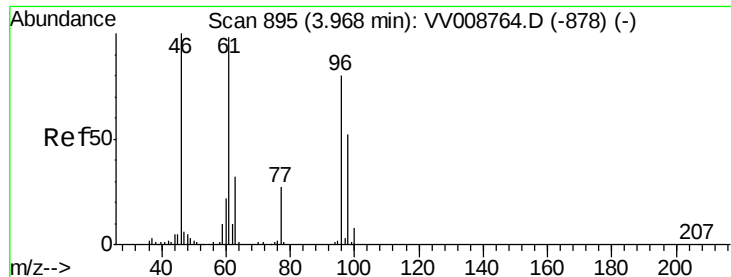
72 25.2 13.6 40.8



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 72.10 (71.80 to 72.80): VV0



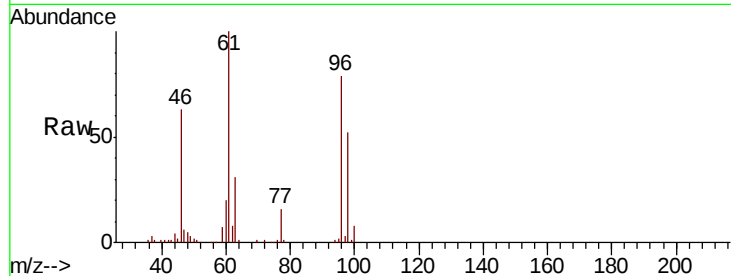


#22

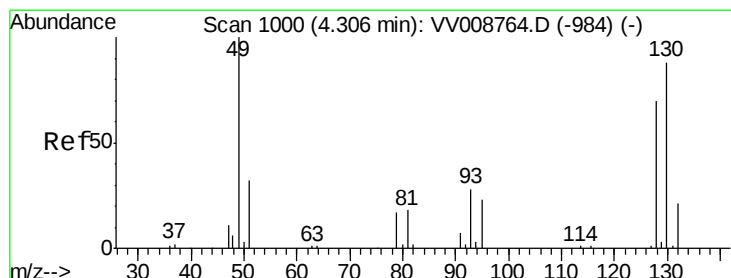
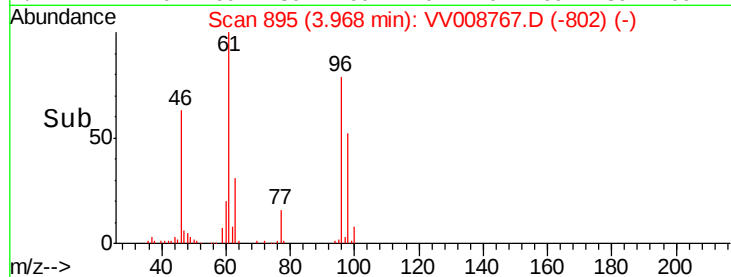
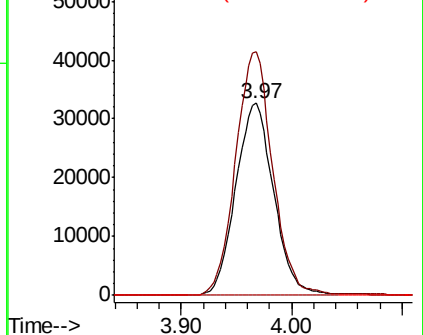
cis-1,2-Dichloroethene
 Concen: 5.104 ug/L
 RT: 3.97 min Scan# 895
 Delta R.T. -0.00 min
 Lab File: VV008767.D
 Acq: 29 Nov 2018 16:35

Instrument :
 MSVOA_V
 ClientSampled :
 VICV68

Tgt Ion: 96 Resp: 77601
 Ion Ratio Lower Upper
 96 100
 61 126.8 85.9 159.5
 68 0.0 0.0 0.0



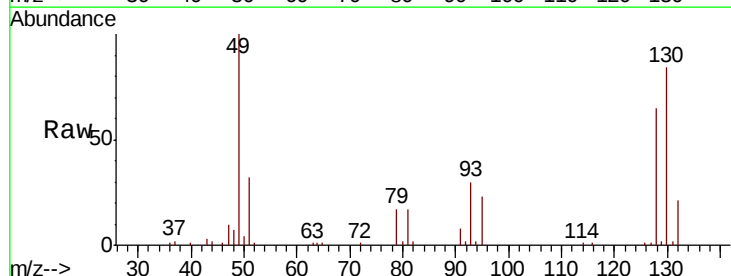
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0



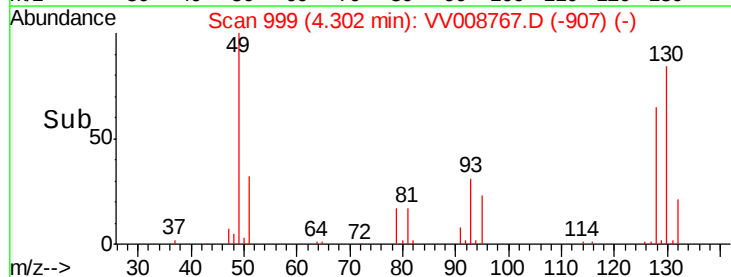
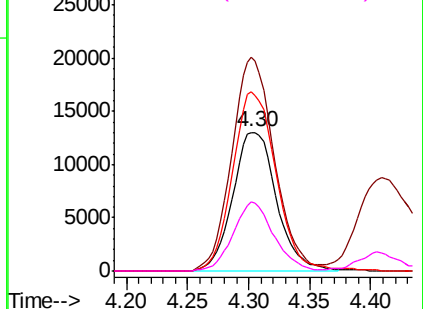
#23

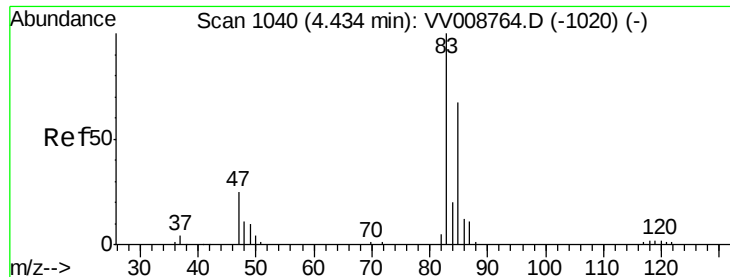
Bromochloromethane
 Concen: 5.189 ug/L
 RT: 4.30 min Scan# 999
 Delta R.T. -0.00 min
 Lab File: VV008767.D
 Acq: 29 Nov 2018 16:35

Tgt Ion: 128 Resp: 32366
 Ion Ratio Lower Upper
 128 100
 49 153.8 100.4 186.4
 130 129.1 88.5 164.4
 51 49.6 37.1 55.7



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

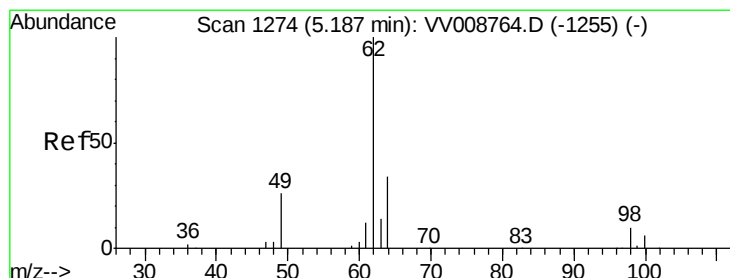
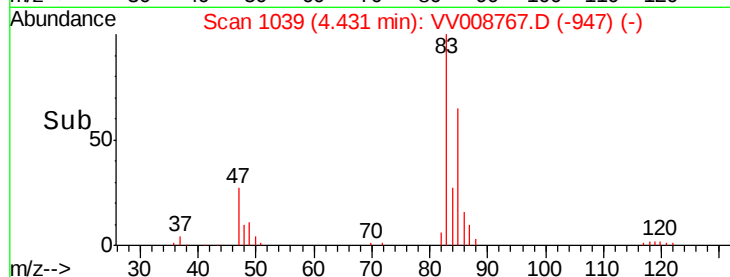
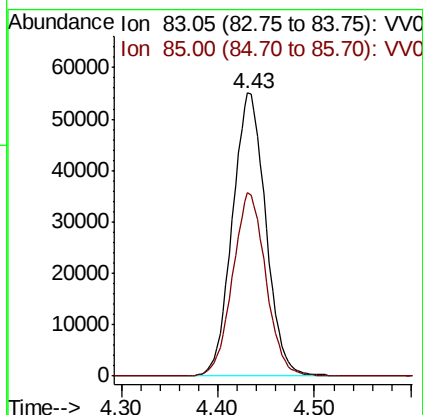
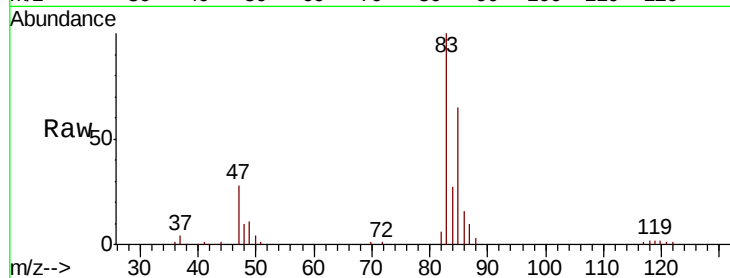




#25
 Chloroform
 Concen: 5.035 ug/L
 RT: 4.43 min Scan# 1039
 Delta R.T. -0.00 min
 Lab File: VV008767.D
 Acq: 29 Nov 2018 16:35

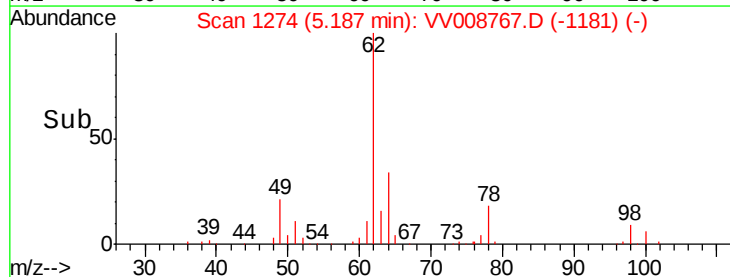
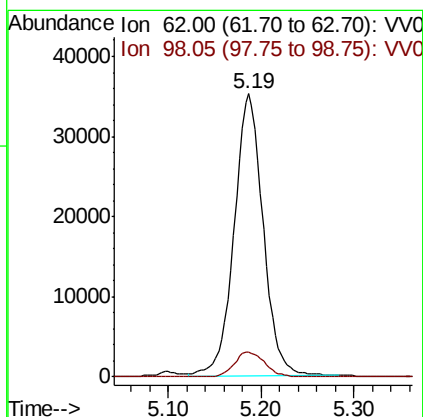
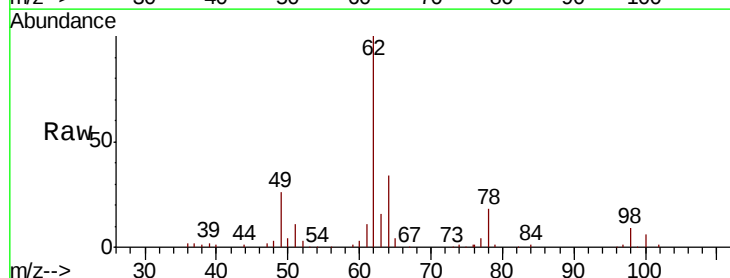
Instrument :
 MSVOA_V
 ClientSampleId :
 VICV68

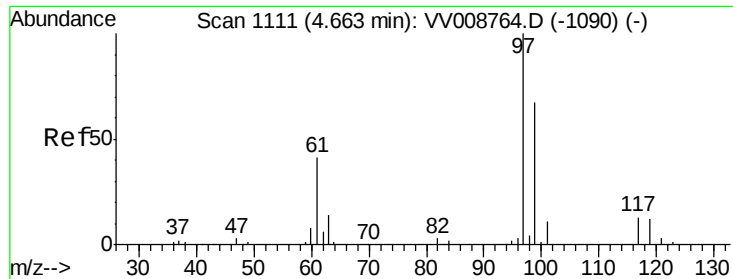
Tgt Ion: 83 Resp: 131612
 Ion Ratio Lower Upper
 83 100
 85 64.7 47.0 87.4



#27
 1,2-Dichloroethane
 Concen: 5.107 ug/L
 RT: 5.19 min Scan# 1274
 Delta R.T. -0.00 min
 Lab File: VV008767.D
 Acq: 29 Nov 2018 16:35

Tgt Ion: 62 Resp: 76707
 Ion Ratio Lower Upper
 62 100
 98 8.8 7.7 11.5

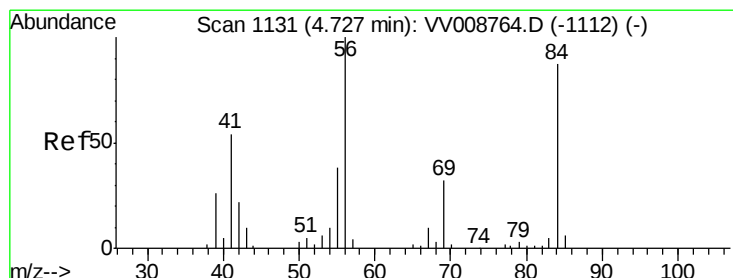
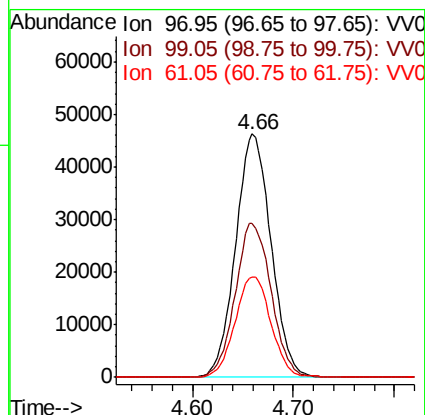
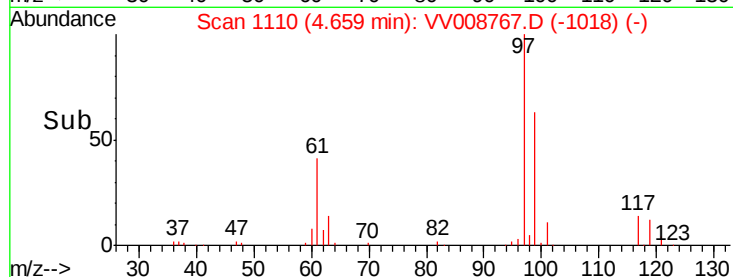
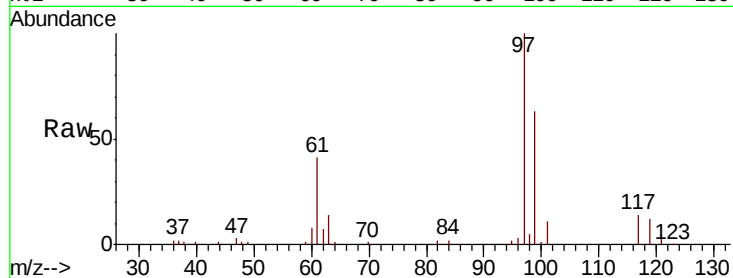




#29
 1,1,1-Trichloroethane
 Concen: 5.310 ug/L
 RT: 4.66 min Scan# 1110
 Delta R.T. -0.00 min
 Lab File: VV008767.D
 Acq: 29 Nov 2018 16:35

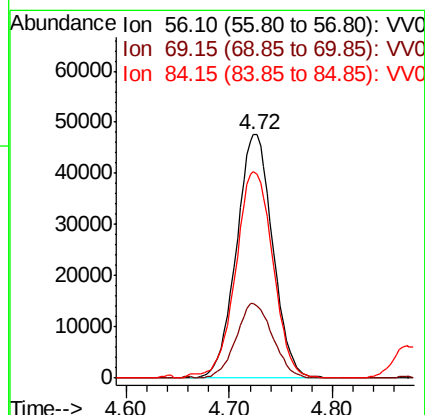
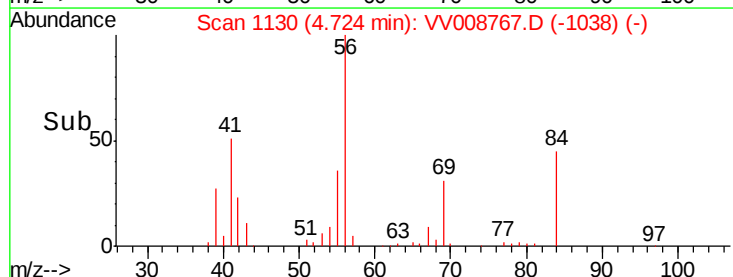
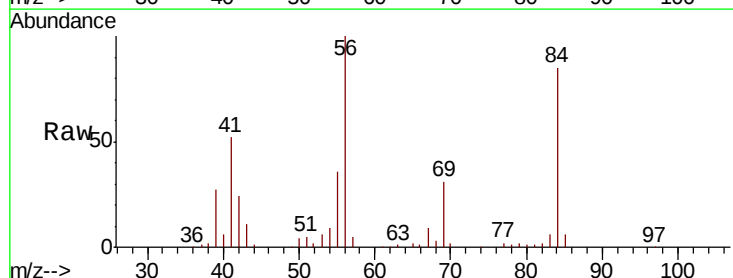
Instrument :
 MSVOA_V
 ClientSampled :
 VICV68

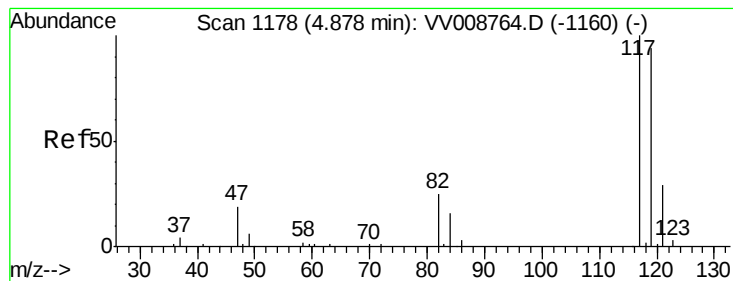
Tgt Ion: 97 Resp: 112944
 Ion Ratio Lower Upper
 97 100
 99 64.1 52.1 78.1
 61 42.1 33.9 50.9



#30
 Cyclohexane
 Concen: 5.191 ug/L
 RT: 4.72 min Scan# 1130
 Delta R.T. -0.00 min
 Lab File: VV008767.D
 Acq: 29 Nov 2018 16:35

Tgt Ion: 56 Resp: 116287
 Ion Ratio Lower Upper
 56 100
 69 31.1 25.1 37.7
 84 87.5 70.8 106.2





#31

Carbon tetrachloride

Concen: 5.316 ug/L

RT: 4.88 min Scan# 1178

Delta R.T. -0.00 min

Lab File: VV008767.D

Acq: 29 Nov 2018 16:35

Instrument :

MSVOA_V

ClientSampleId :

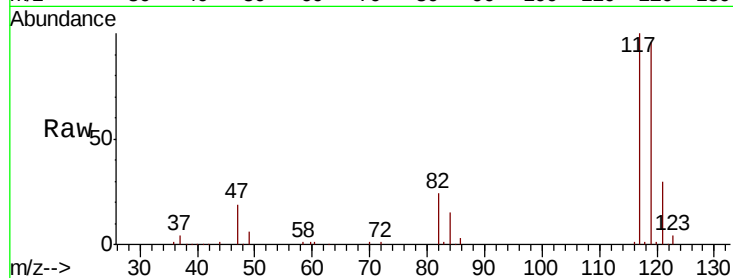
VICV68

Tgt Ion:117 Resp: 97868

Ion Ratio Lower Upper

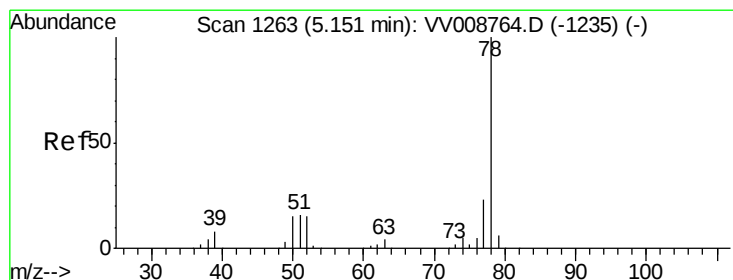
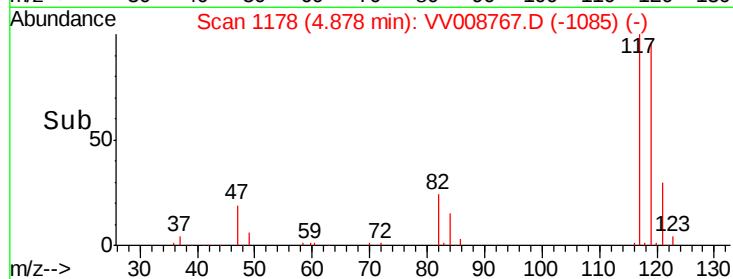
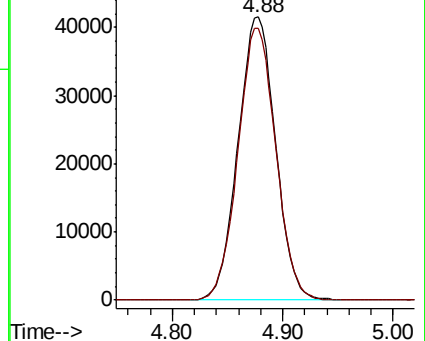
117 100

119 96.7 77.7 116.5



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.218 ug/L

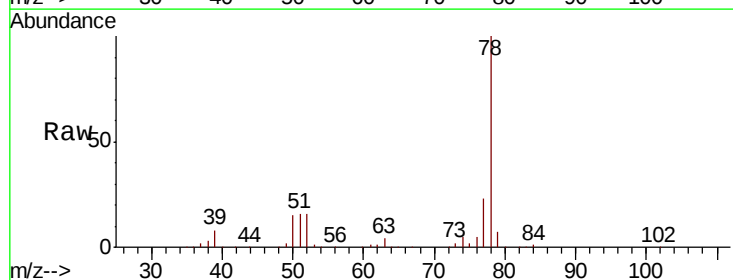
RT: 5.15 min Scan# 1262

Delta R.T. -0.00 min

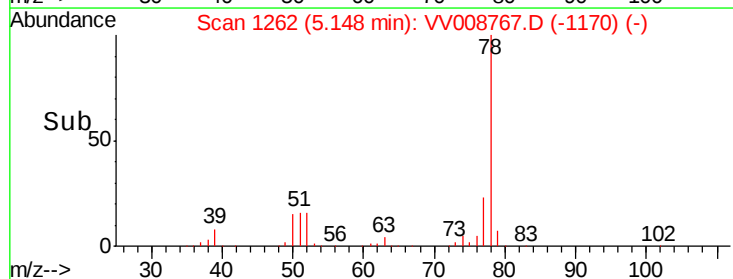
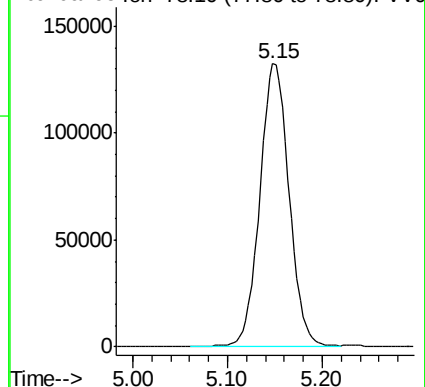
Lab File: VV008767.D

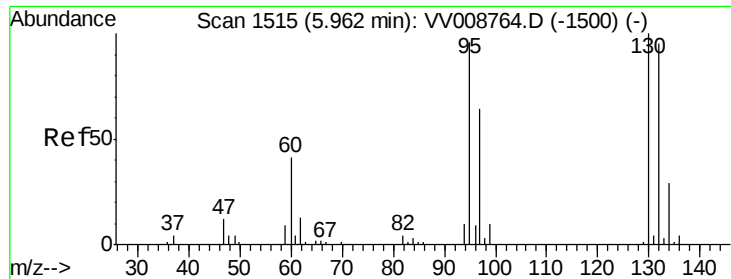
Acq: 29 Nov 2018 16:35

Tgt Ion: 78 Resp: 285174



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 5.309 ug/L

RT: 5.96 min Scan# 1515

Delta R.T. -0.00 min

Lab File: VV008767.D

Acq: 29 Nov 2018 16:35

Instrument :

MSVOA_V

ClientSampleId :

VICV68

Tgt Ion: 95 Resp: 80663

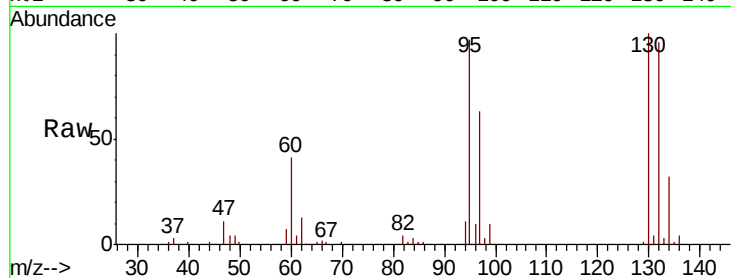
Ion Ratio Lower Upper

95 100

97 65.6 46.5 86.3

132 99.8 69.4 128.8

130 103.4 73.1 135.8

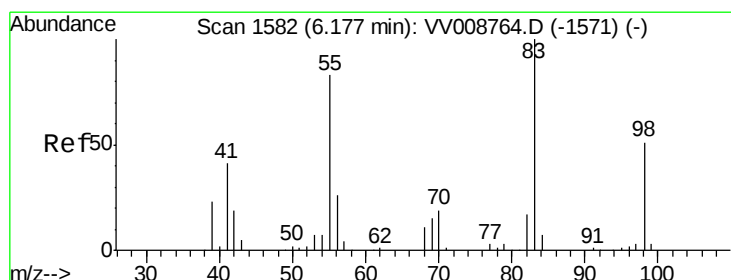
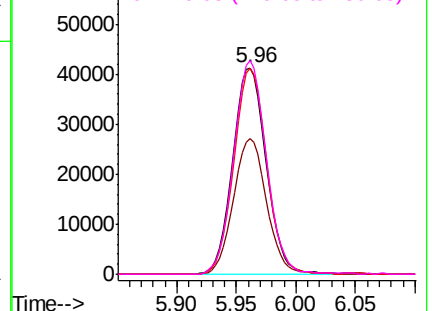
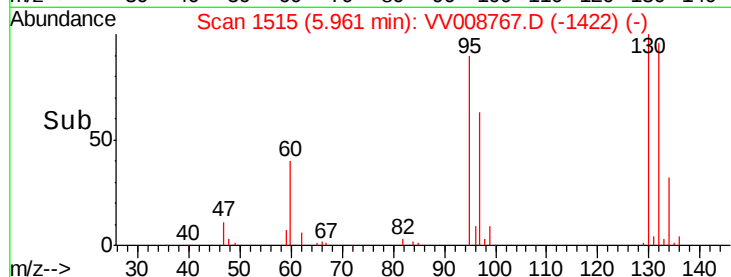


Abundance Ion 95.00 (94.70 to 95.70): VV008767.D (-1422) (-)

Ion 96.95 (96.65 to 97.65): VV008767.D (-1422) (-)

Ion 131.95 (131.65 to 132.65): VV008767.D (-1422) (-)

Ion 129.95 (129.65 to 130.65): VV008767.D (-1422) (-)



#35

Methylcyclohexane

Concen: 5.276 ug/L

RT: 6.18 min Scan# 1582

Delta R.T. -0.00 min

Lab File: VV008767.D

Acq: 29 Nov 2018 16:35

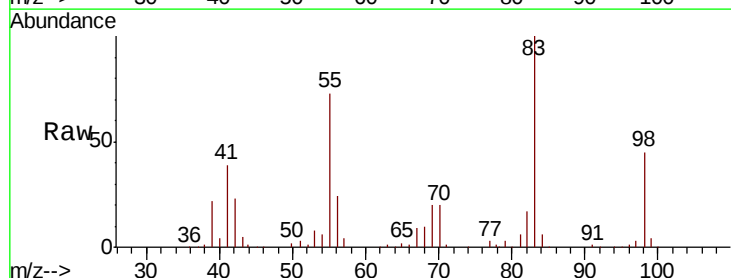
Tgt Ion: 83 Resp: 127135

Ion Ratio Lower Upper

83 100

55 74.9 60.1 90.1

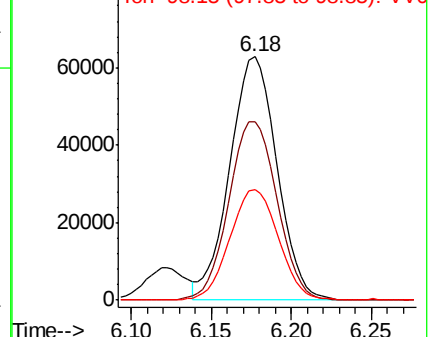
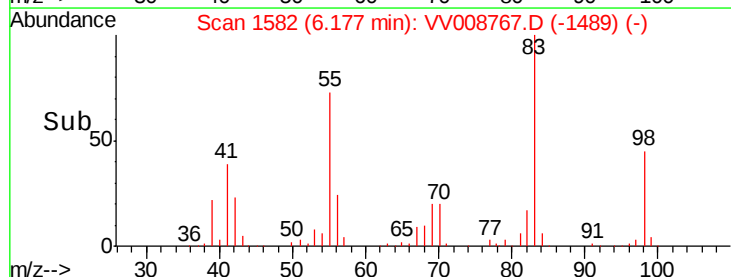
98 46.7 37.4 56.2

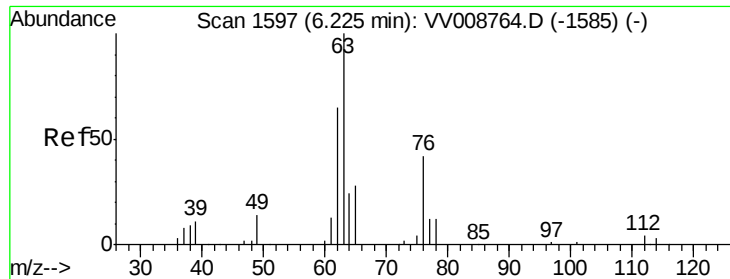


Abundance Ion 83.15 (82.85 to 83.85): VV008767.D (-1489) (-)

Ion 55.10 (54.80 to 55.80): VV008767.D (-1489) (-)

Ion 98.15 (97.85 to 98.85): VV008767.D (-1489) (-)

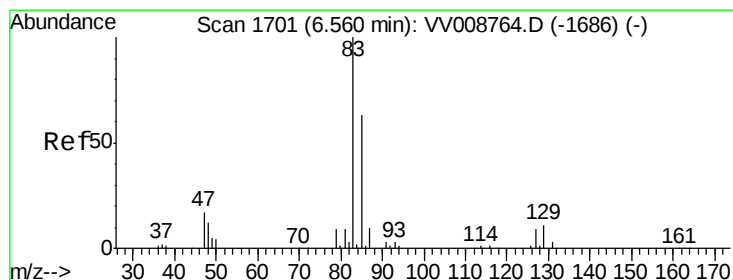
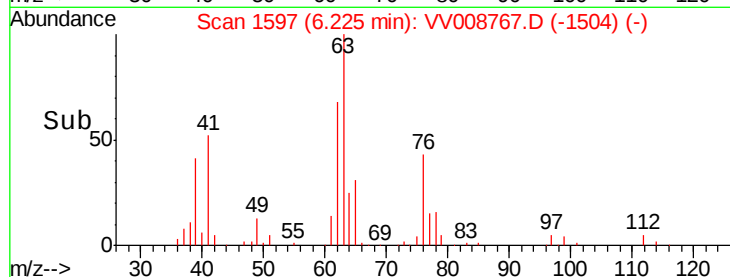
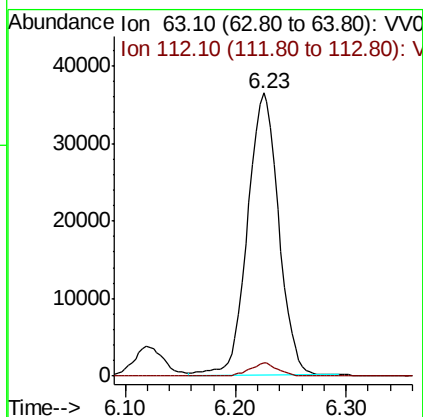
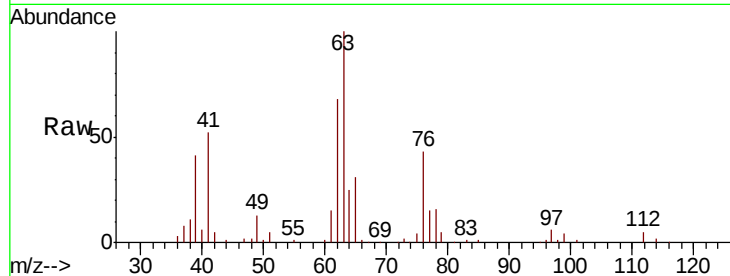




#37
 1,2-Dichloropropane
 Concen: 5.238 ug/L
 RT: 6.23 min Scan# 1597
 Delta R.T. -0.00 min
 Lab File: VV008767.D
 Acq: 29 Nov 2018 16:35

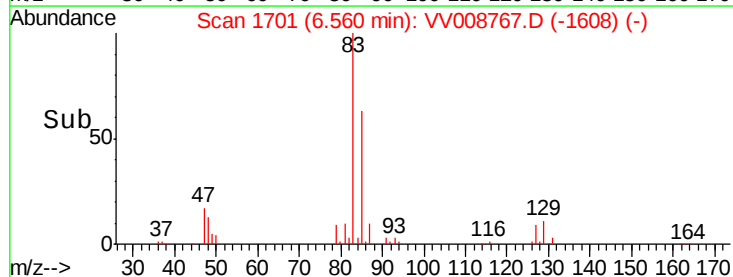
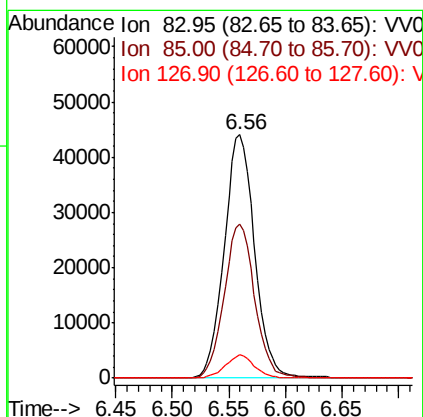
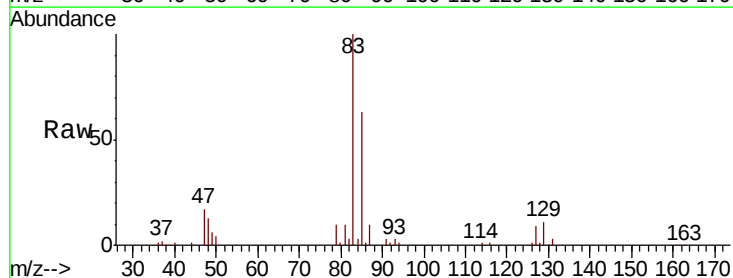
Instrument :
 MSVOA_V
 ClientSampleId :
 VICV68

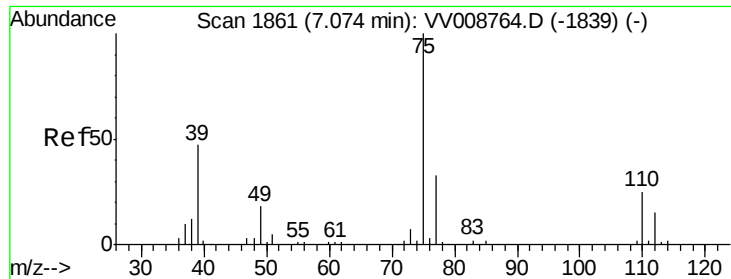
Tgt Ion: 63 Resp: 71165
 Ion Ratio Lower Upper
 63 100
 112 4.1 3.5 5.3



#38
 Bromodichloromethane
 Concen: 5.310 ug/L
 RT: 6.56 min Scan# 1701
 Delta R.T. -0.00 min
 Lab File: VV008767.D
 Acq: 29 Nov 2018 16:35

Tgt Ion: 83 Resp: 82362
 Ion Ratio Lower Upper
 83 100
 85 63.2 44.4 82.4
 127 9.5 6.9 10.3

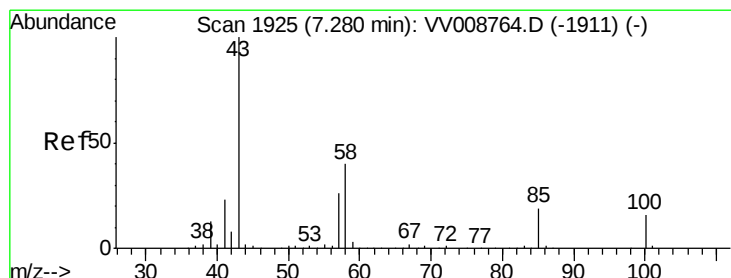
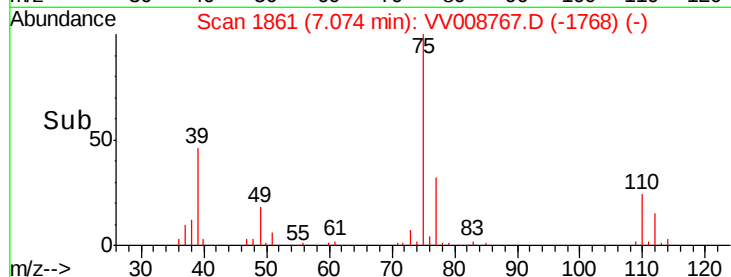
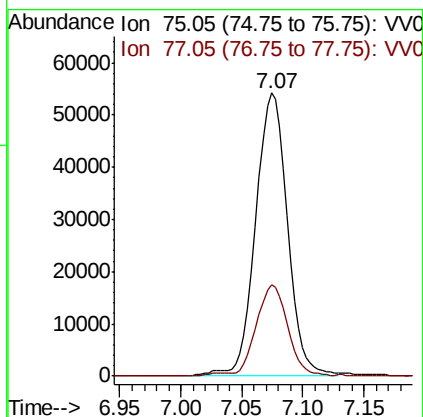
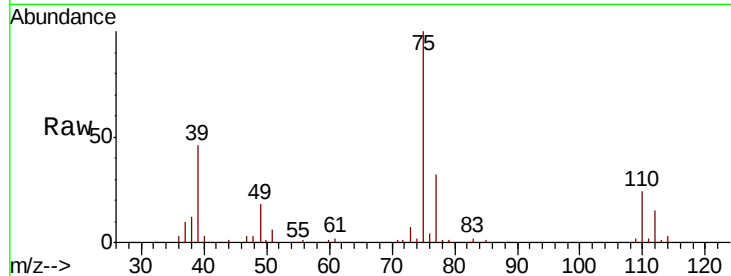




#39
 cis-1,3-Dichloropropene
 Concen: 5.510 ug/L
 RT: 7.07 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VV008767.D
 Acq: 29 Nov 2018 16:35

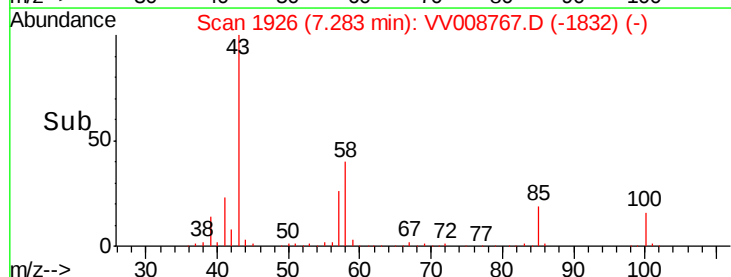
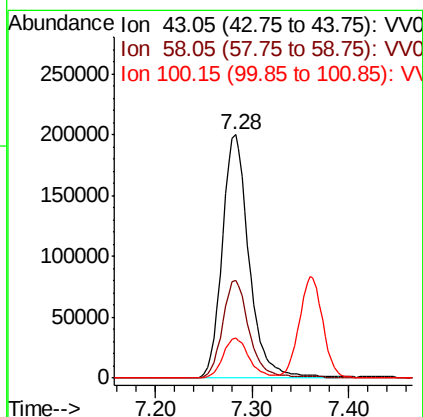
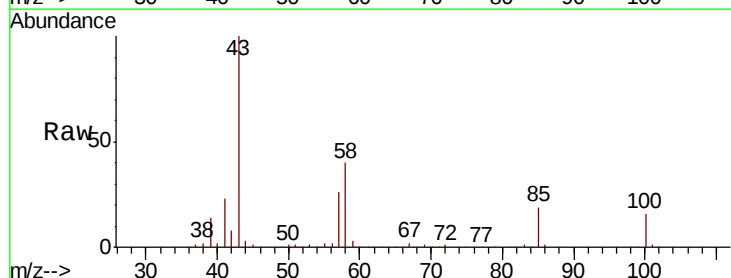
Instrument :
 MSVOA_V
 ClientSampled :
 VICV68

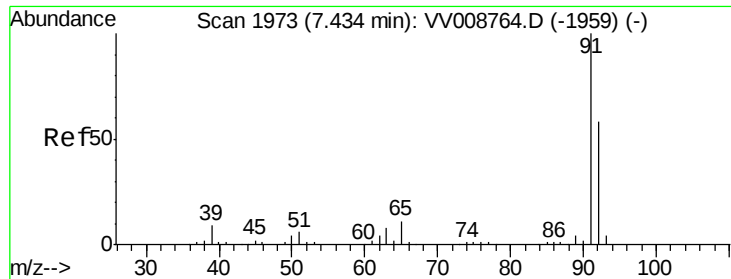
Tgt Ion: 75 Resp: 98296
 Ion Ratio Lower Upper
 75 100
 77 32.1 22.8 42.4



#40
 4-Methyl-2-pentanone
 Concen: 54.871 ug/L
 RT: 7.28 min Scan# 1926
 Delta R.T. 0.00 min
 Lab File: VV008767.D
 Acq: 29 Nov 2018 16:35

Tgt Ion: 43 Resp: 385775
 Ion Ratio Lower Upper
 43 100
 58 39.7 31.3 46.9
 100 15.9 12.6 19.0





#42

Toluene

Concen: 5.291 ug/L

RT: 7.43 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VV008767.D

Acq: 29 Nov 2018 16:35

Instrument :

MSVOA_V

ClientSampleId :

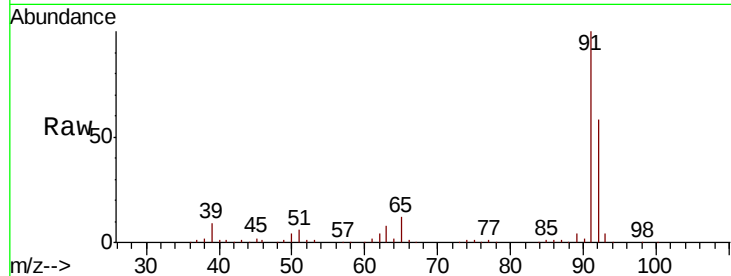
VICV68

Tgt Ion: 91 Resp: 302606

Ion Ratio Lower Upper

91 100

92 58.2 40.5 75.3



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0

7.43

200000

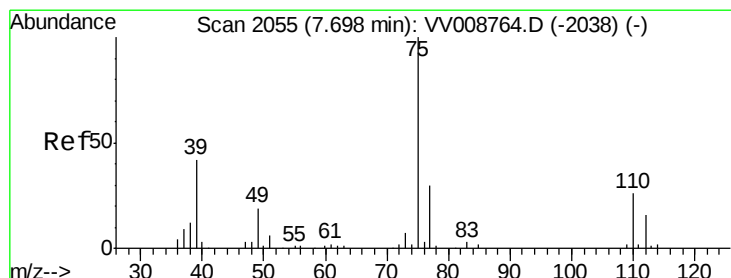
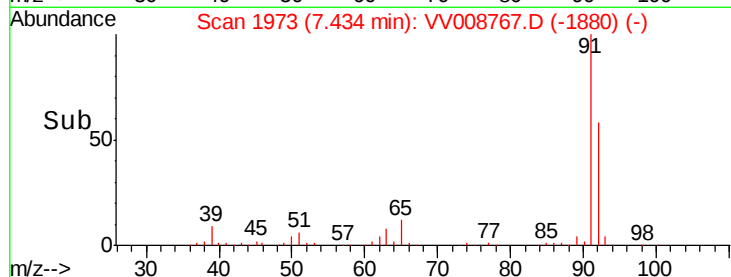
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 5.528 ug/L

RT: 7.70 min Scan# 2055

Delta R.T. -0.00 min

Lab File: VV008767.D

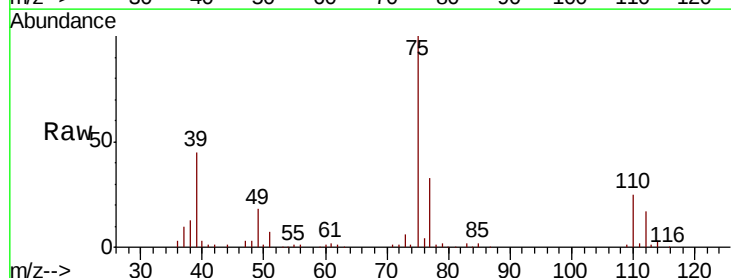
Acq: 29 Nov 2018 16:35

Tgt Ion: 75 Resp: 77737

Ion Ratio Lower Upper

75 100

77 32.8 21.3 39.5



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

7.70

50000

40000

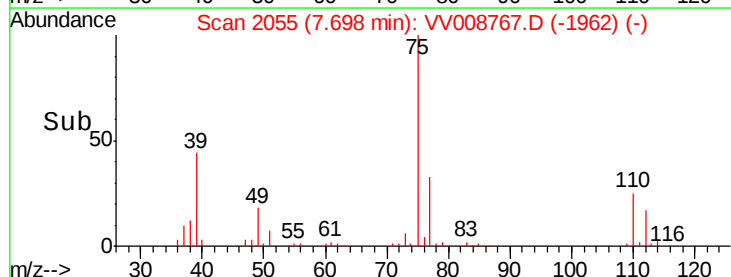
30000

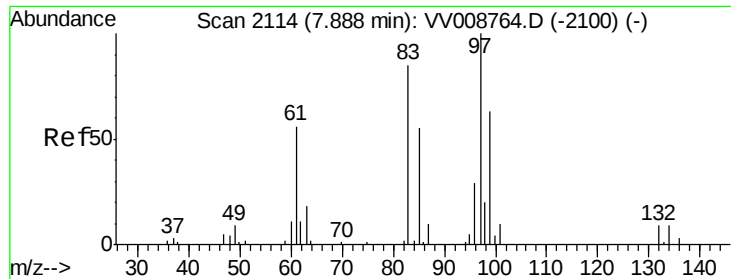
20000

10000

0

Time-->

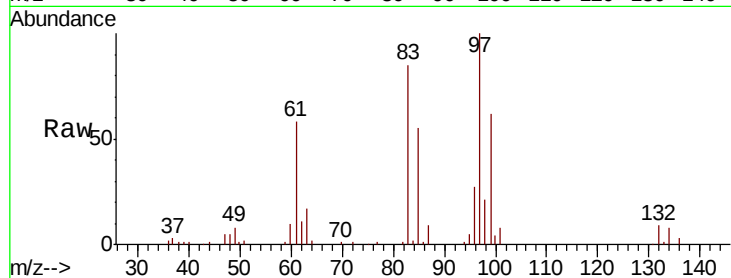




#45
 1,1,2-Trichloroethane
 Concen: 5.356 ug/L
 RT: 7.89 min Scan# 2114
 Delta R.T. -0.00 min
 Lab File: VV008767.D
 Acq: 29 Nov 2018 16:35

Instrument :
 MSVOA_V
 ClientSampleId :
 VICV68

Tgt Ion:	97	Resp:	48266
Ion	Ratio	Lower	Upper
97	100		
99	62.3	44.2	82.2
83	85.1	59.6	110.6
85	54.8	38.8	72.0



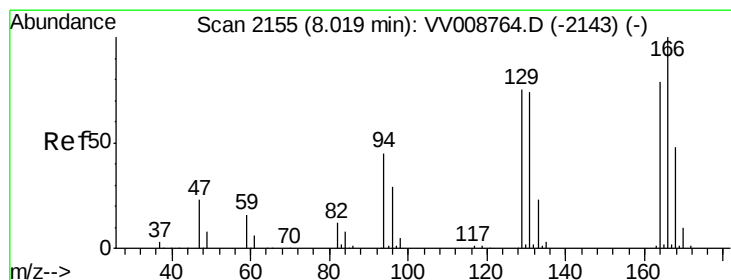
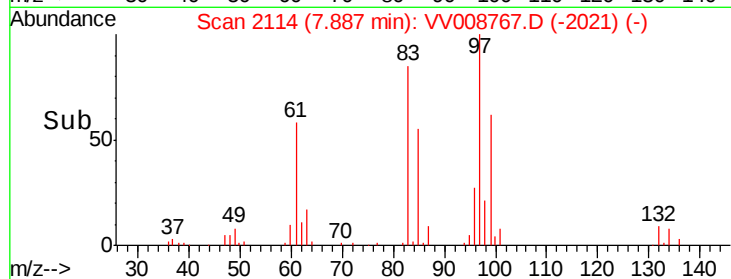
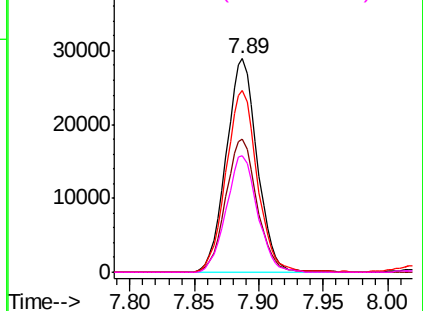
Abundance

Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

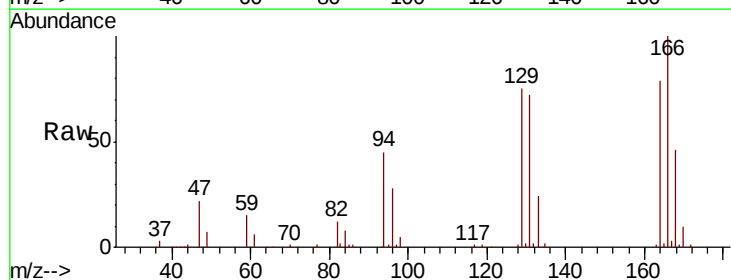
Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0



#47
 Tetrachloroethene
 Concen: 5.342 ug/L
 RT: 8.02 min Scan# 2155
 Delta R.T. -0.00 min
 Lab File: VV008767.D
 Acq: 29 Nov 2018 16:35

Tgt Ion:	164	Resp:	62772
Ion	Ratio	Lower	Upper
164	100		
129	94.1	67.5	125.3
131	90.9	65.9	122.5
166	126.3	89.2	165.6



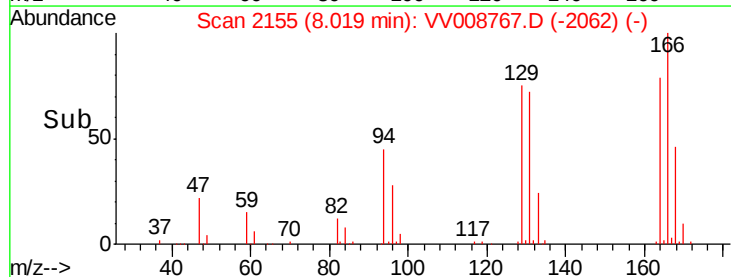
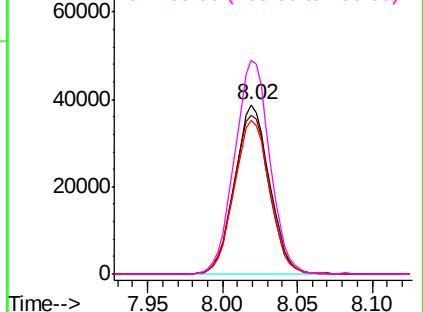
Abundance

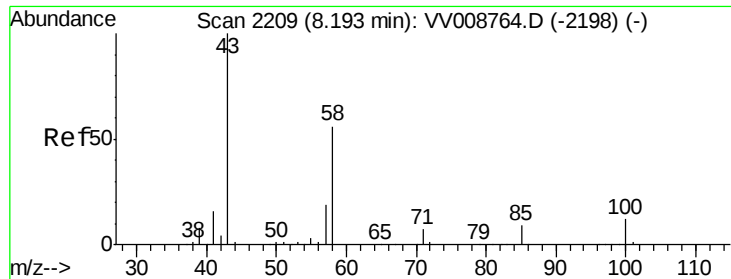
Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

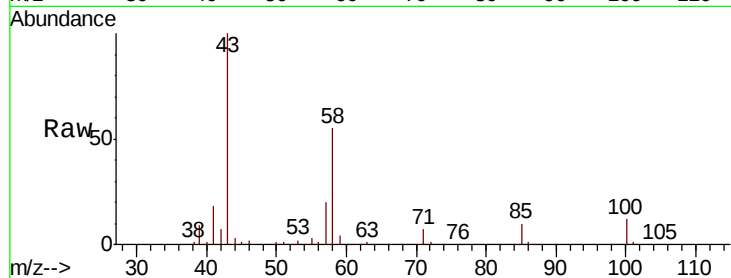




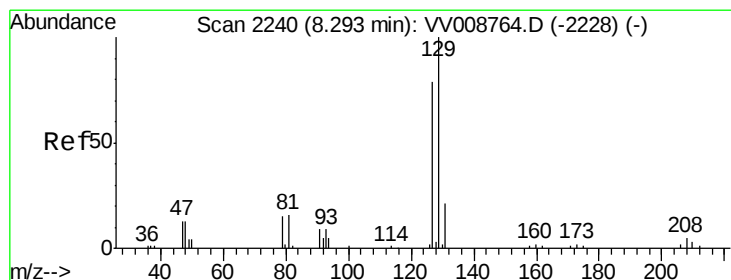
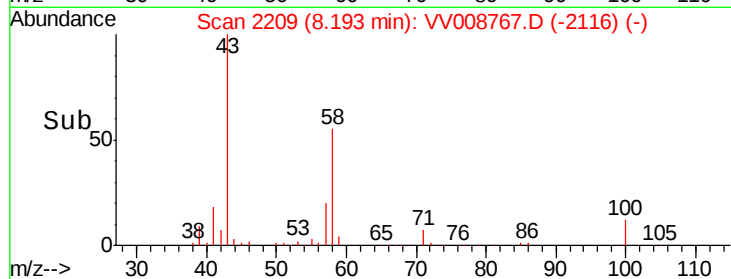
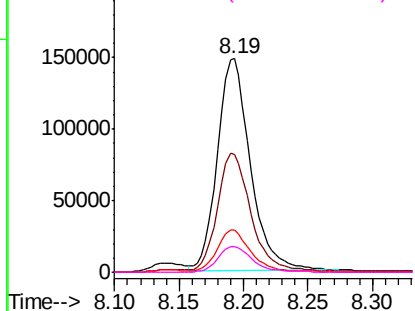
#48
2-Hexanone
Concen: 53.744 ug/L
RT: 8.19 min Scan# 2209
Delta R.T. -0.00 min
Lab File: VV008767.D
Acq: 29 Nov 2018 16:35

Instrument :
MSVOA_V
ClientSampleId :
VICV68

Tgt Ion: 43 Resp: 265263
Ion Ratio Lower Upper
43 100
58 55.7 44.5 66.7
57 19.9 15.2 22.8
100 13.0 9.6 14.4

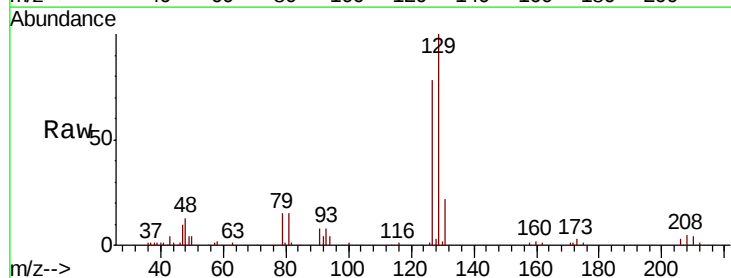


Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0

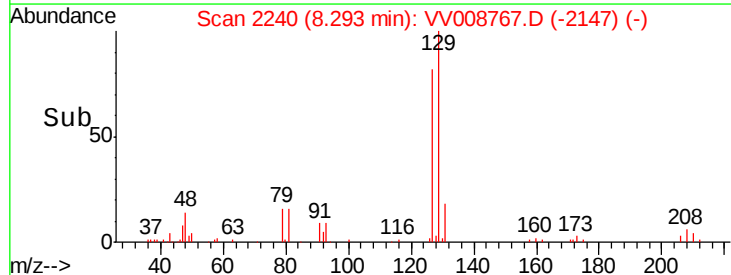
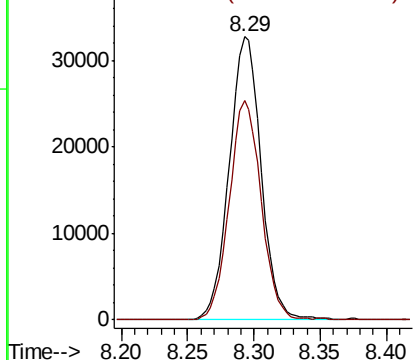


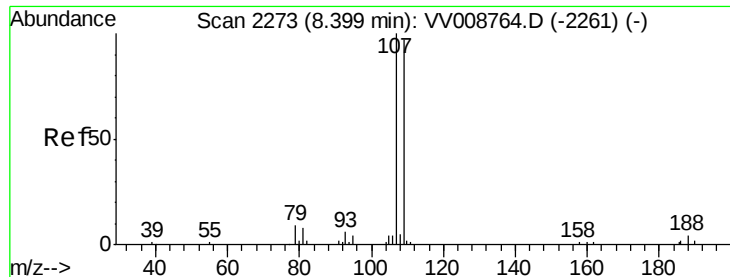
#49
Dibromochloromethane
Concen: 5.582 ug/L
RT: 8.29 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VV008767.D
Acq: 29 Nov 2018 16:35

Tgt Ion: 129 Resp: 54777
Ion Ratio Lower Upper
129 100
127 77.5 55.3 102.7



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

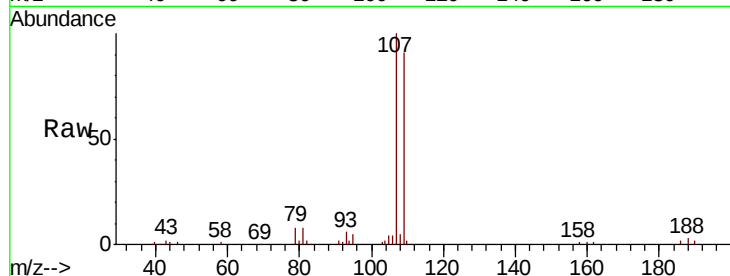




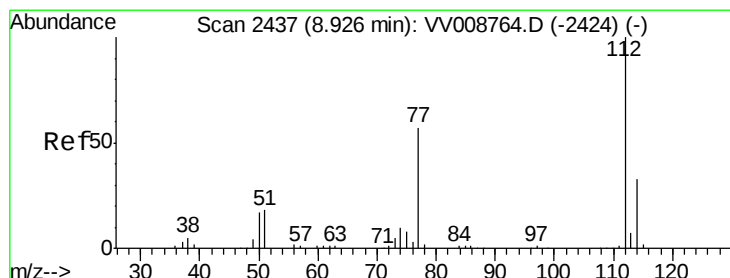
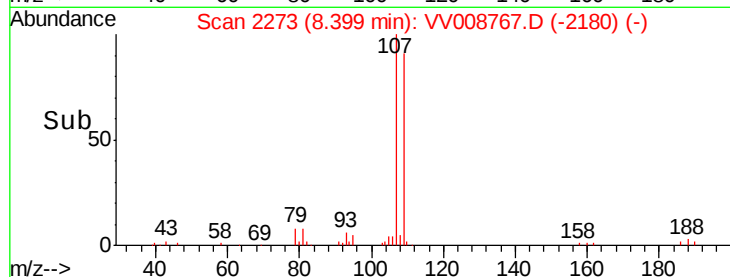
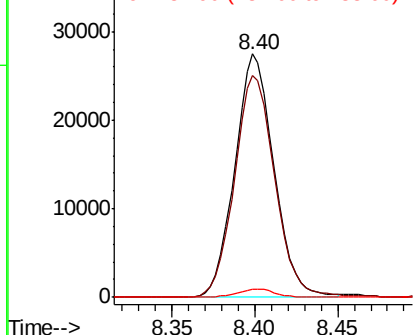
#50
1,2-Dibromoethane
Concen: 5.316 ug/L
RT: 8.40 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VV008767.D
Acq: 29 Nov 2018 16:35

Instrument :
MSVOA_V
ClientSampleId :
VICV68

Tgt Ion:107 Resp: 44967
Ion Ratio Lower Upper
107 100
109 91.4 67.8 126.0
188 3.3 3.1 4.7

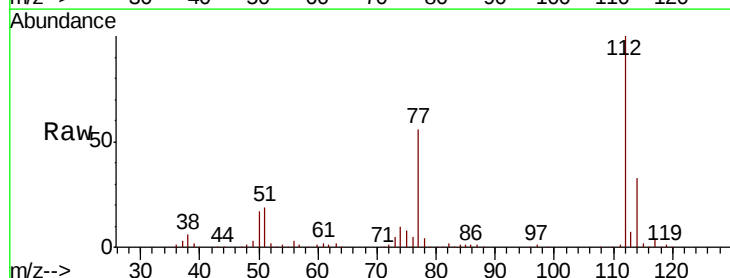


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

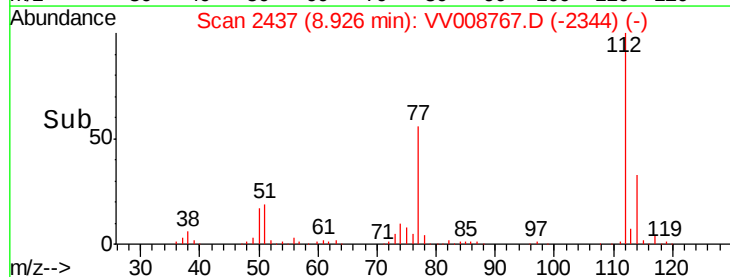
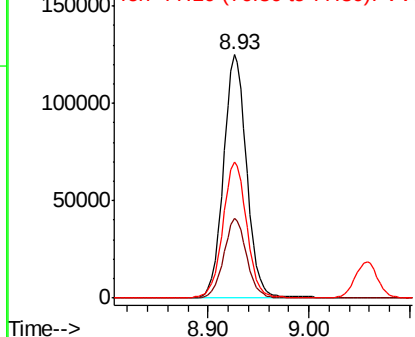


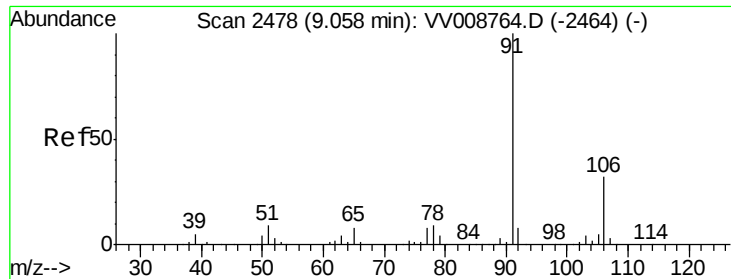
#51
Chlorobenzene
Concen: 5.333 ug/L
RT: 8.93 min Scan# 2437
Delta R.T. -0.00 min
Lab File: VV008767.D
Acq: 29 Nov 2018 16:35

Tgt Ion:112 Resp: 200823
Ion Ratio Lower Upper
112 100
114 32.6 22.8 42.4
77 56.1 46.2 69.4



Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): V





#52

Ethylbenzene

Concen: 5.404 ug/L

RT: 9.06 min Scan# 2478

Delta R.T. -0.00 min

Lab File: VV008767.D

Acq: 29 Nov 2018 16:35

Instrument :

MSVOA_V

ClientSampleId :

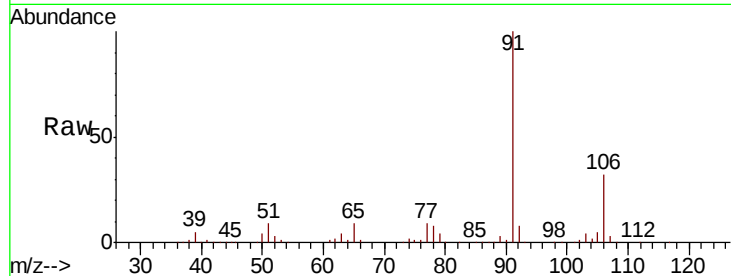
VICV68

Tgt Ion: 91 Resp: 334443

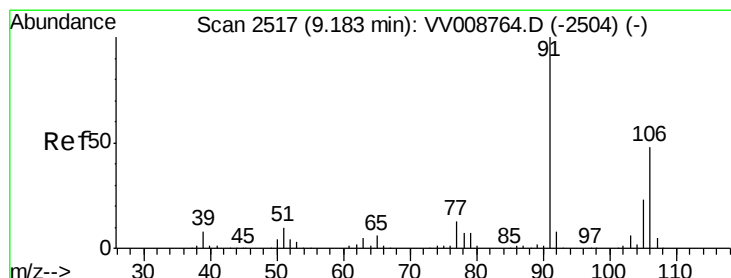
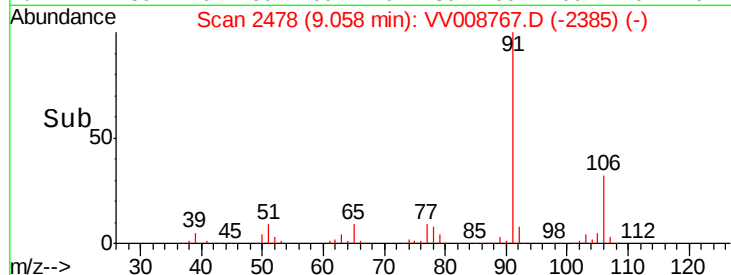
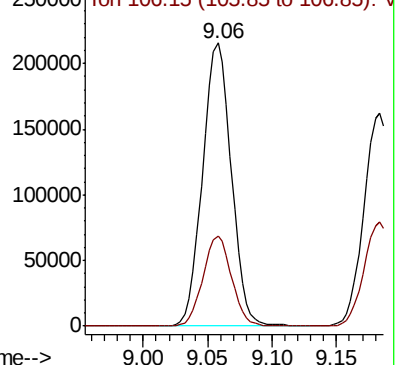
Ion Ratio Lower Upper

91 100

106 31.9 22.4 41.6



Abundance Ion 91.15 (90.85 to 91.85): VV008767.D (-2464) (-)



#53

m,p-xylene

Concen: 5.568 ug/L

RT: 9.18 min Scan# 2517

Delta R.T. -0.00 min

Lab File: VV008767.D

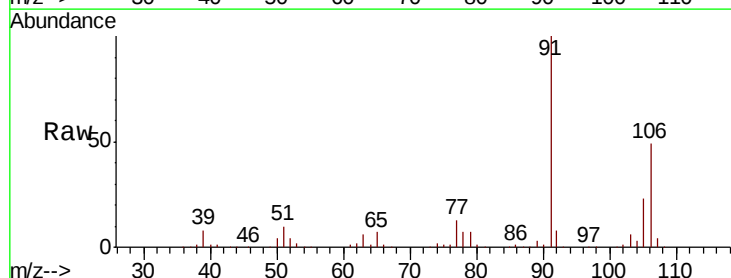
Acq: 29 Nov 2018 16:35

Tgt Ion: 106 Resp: 129242

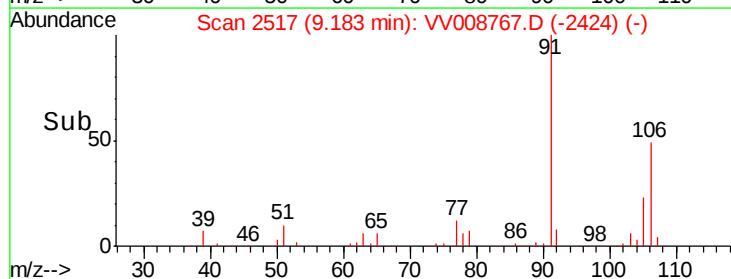
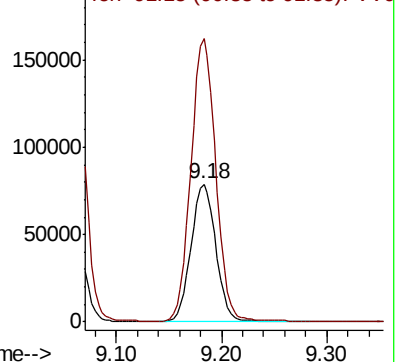
Ion Ratio Lower Upper

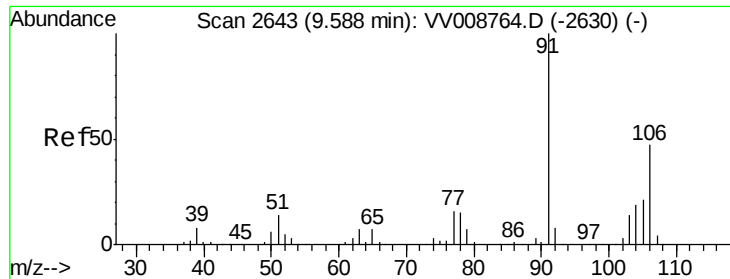
106 100

91 205.0 145.5 270.3



Abundance Ion 106.15 (105.85 to 106.85): VV008767.D (-2504) (-)

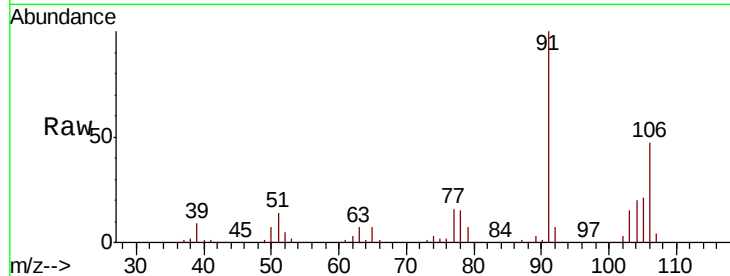




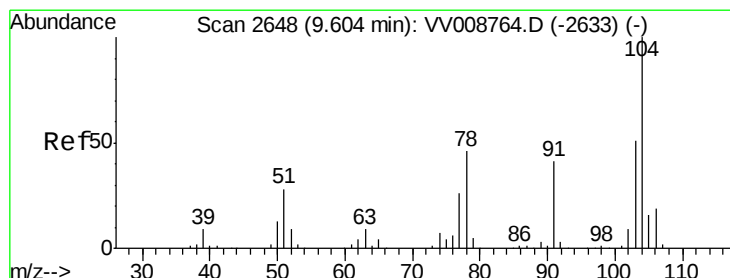
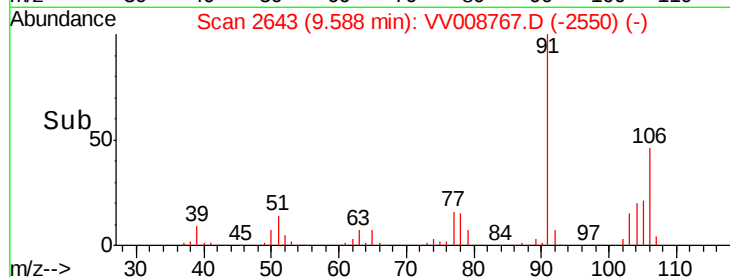
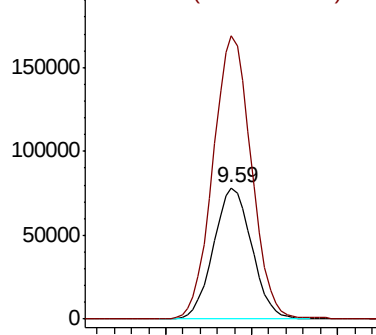
#54
o-xylene
Concen: 5.410 ug/L
RT: 9.59 min Scan# 2643
Delta R.T. -0.00 min
Lab File: VV008767.D
Acq: 29 Nov 2018 16:35

Instrument :
MSVOA_V
ClientSampled :
VICV68

Tgt Ion:106 Resp: 121135
Ion Ratio Lower Upper
106 100
91 215.0 148.7 276.1

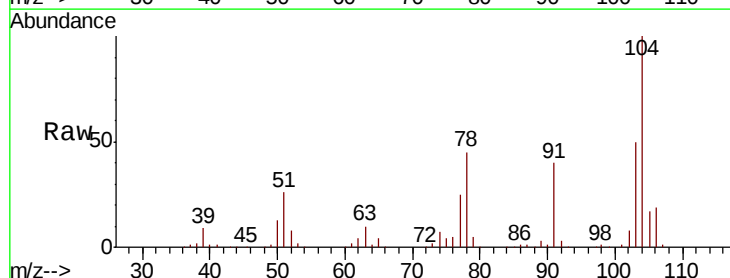


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VV0

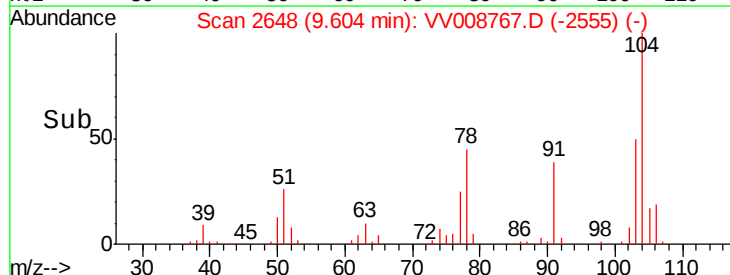
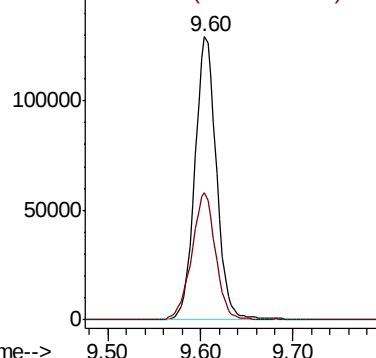


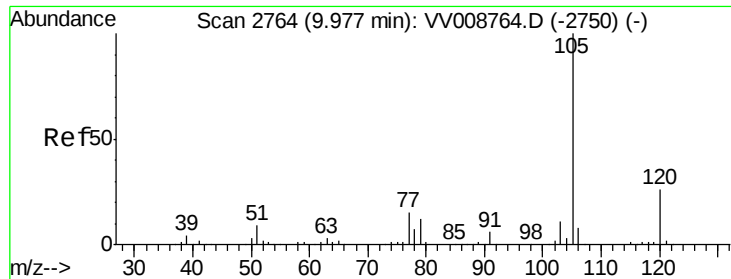
#55
Styrene
Concen: 5.616 ug/L
RT: 9.60 min Scan# 2648
Delta R.T. -0.00 min
Lab File: VV008767.D
Acq: 29 Nov 2018 16:35

Tgt Ion:104 Resp: 209093
Ion Ratio Lower Upper
104 100
78 45.0 32.2 59.8



Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 5.334 ug/L

RT: 9.98 min Scan# 2764

Delta R.T. -0.00 min

Lab File: VV008767.D

Acq: 29 Nov 2018 16:35

Instrument :

MSVOA_V

ClientSampled :

VICV68

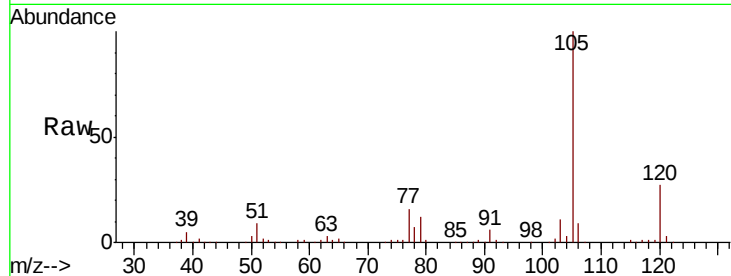
Tgt Ion: 105 Resp: 325333

Ion Ratio Lower Upper

105 100

120 26.9 21.5 32.3

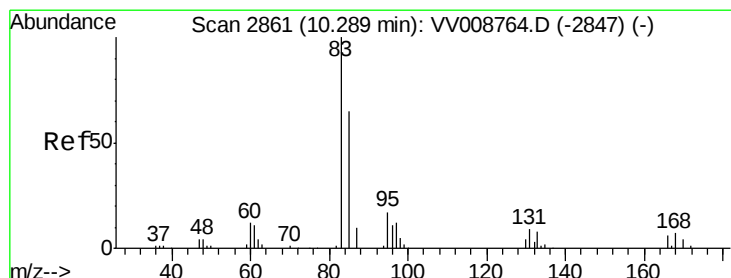
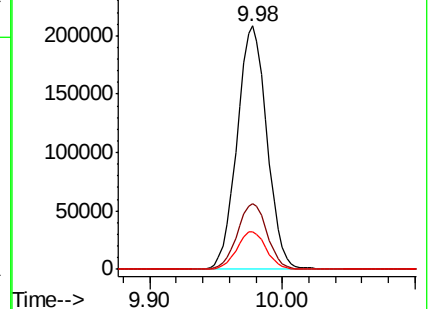
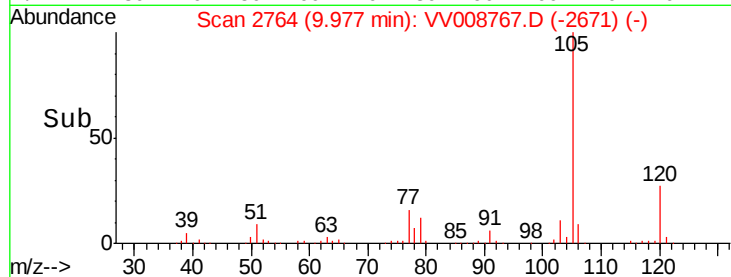
77 15.2 12.2 18.4



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: 5.538 ug/L

RT: 10.29 min Scan# 2861

Delta R.T. -0.00 min

Lab File: VV008767.D

Acq: 29 Nov 2018 16:35

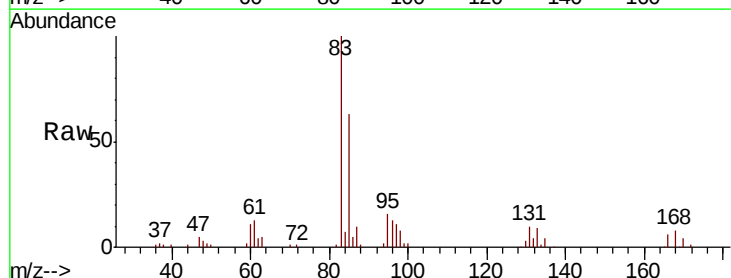
Tgt Ion: 83 Resp: 53225

Ion Ratio Lower Upper

83 100

85 63.2 45.6 84.8

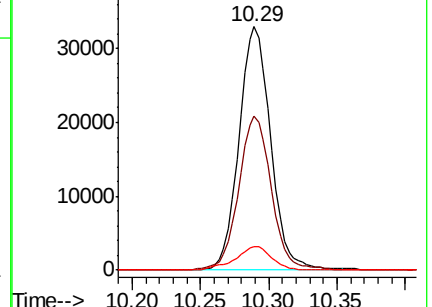
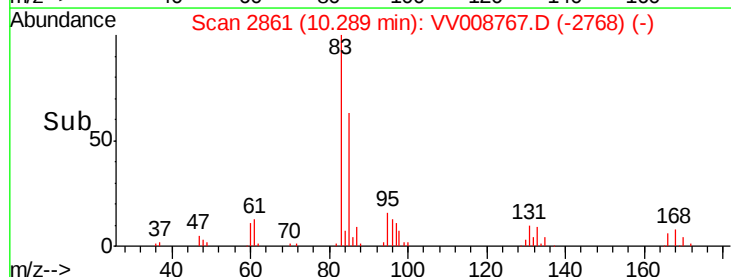
131 9.7 7.3 10.9

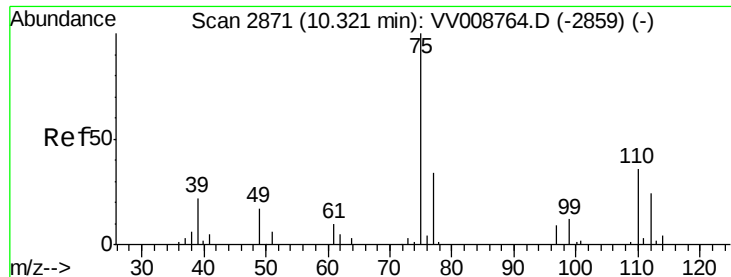


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V

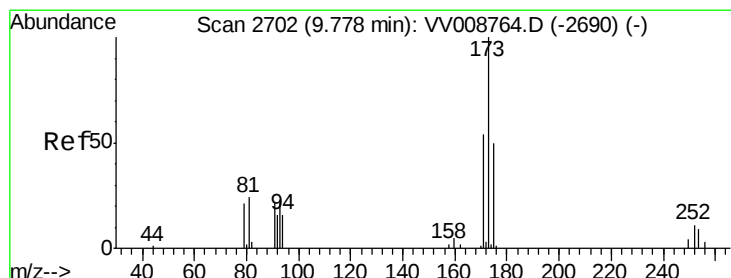
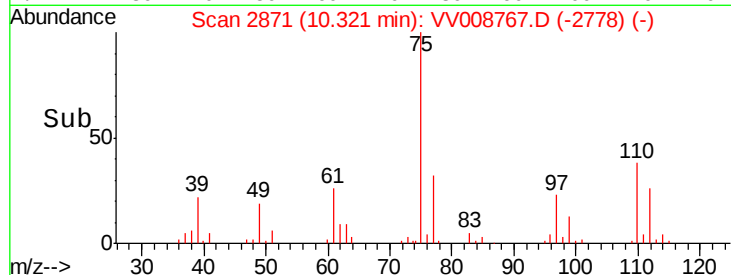
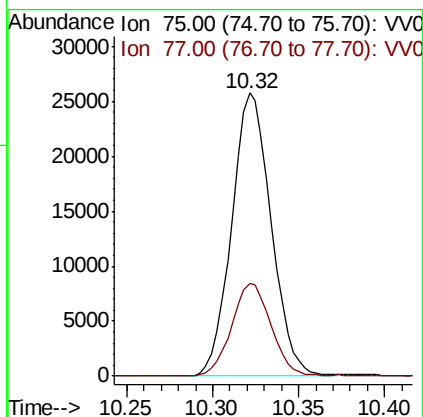
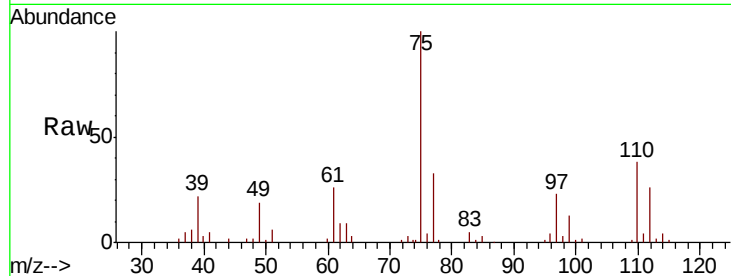




#59
 1,2,3-Trichloropropane
 Concen: 5.282 ug/L
 RT: 10.32 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VV008767.D
 Acq: 29 Nov 2018 16:35

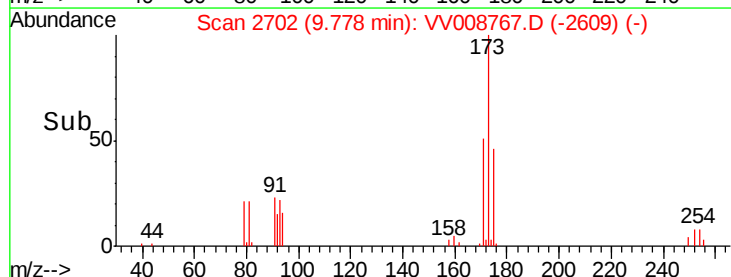
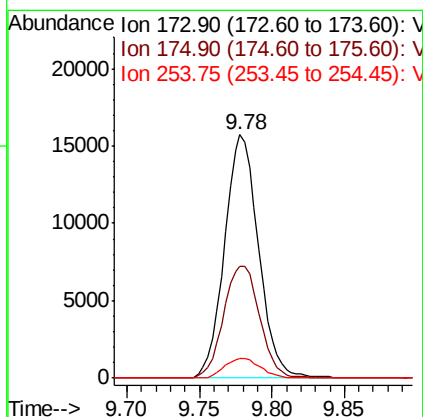
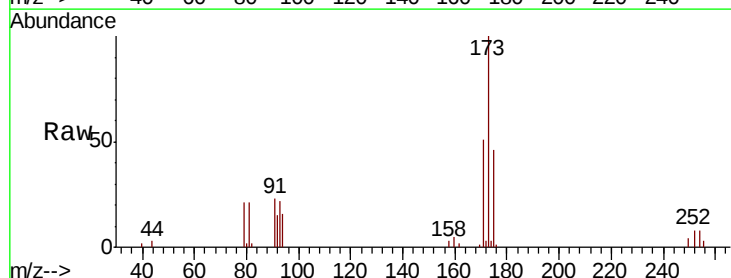
Instrument :
 MSVOA_V
 ClientSampleId :
 VICV68

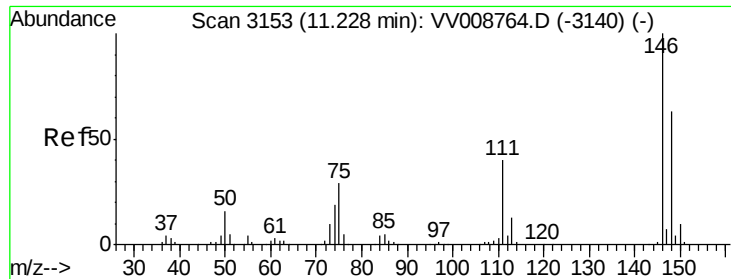
Tgt Ion: 75 Resp: 41175
 Ion Ratio Lower Upper
 75 100
 77 32.6 26.9 40.3



#61
 Bromoform
 Concen: 5.255 ug/L
 RT: 9.78 min Scan# 2702
 Delta R.T. -0.00 min
 Lab File: VV008767.D
 Acq: 29 Nov 2018 16:35

Tgt Ion: 173 Resp: 25615
 Ion Ratio Lower Upper
 173 100
 175 48.9 39.6 59.4
 254 8.4 6.9 10.3





#62

1,3-Dichlorobenzene

Concen: 5.212 ug/L

RT: 11.23 min Scan# 3153

Delta R.T. -0.00 min

Lab File: VV008767.D

Acq: 29 Nov 2018 16:35

Instrument :

MSVOA_V

ClientSampled :

VICV68

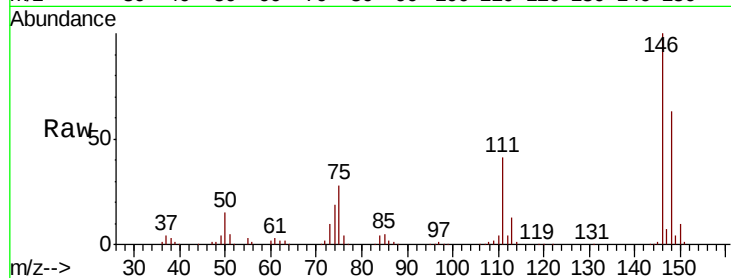
Tgt Ion:146 Resp: 154243

Ion Ratio Lower Upper

146 100

111 40.7 28.1 52.1

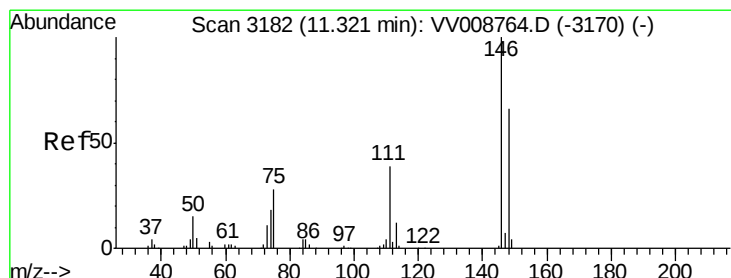
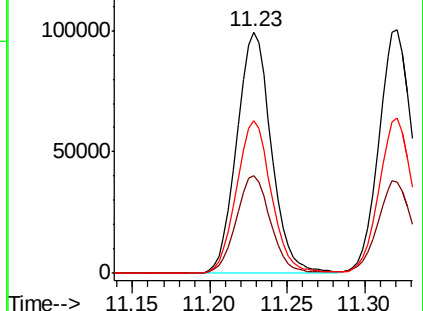
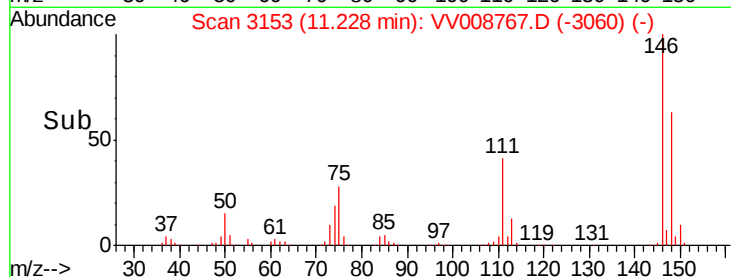
148 63.5 44.4 82.4



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 5.373 ug/L

RT: 11.32 min Scan# 3182

Delta R.T. -0.00 min

Lab File: VV008767.D

Acq: 29 Nov 2018 16:35

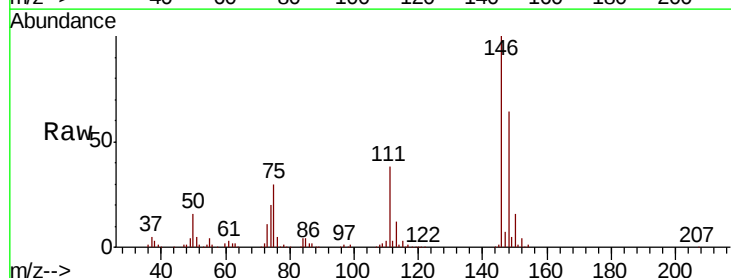
Tgt Ion:146 Resp: 157293

Ion Ratio Lower Upper

146 100

111 37.7 27.6 51.4

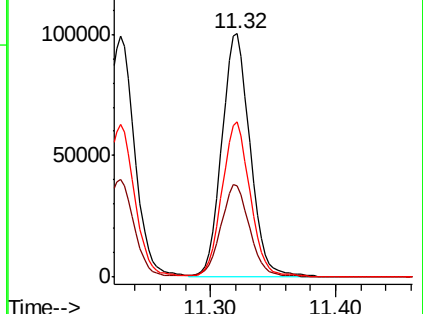
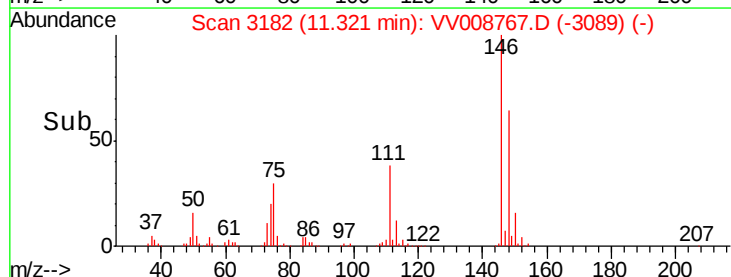
148 63.6 46.5 86.3

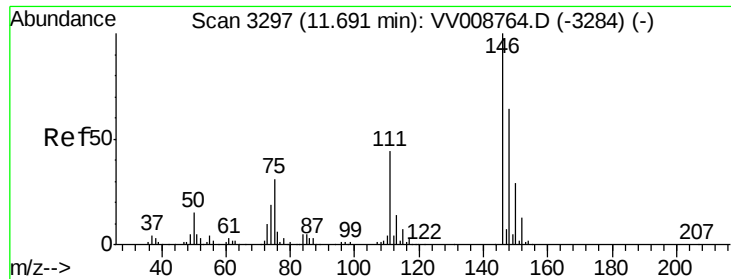


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 5.110 ug/L

RT: 11.69 min Scan# 3297

Delta R.T. -0.00 min

Lab File: VV008767.D

Acq: 29 Nov 2018 16:35

Instrument :

MSVOA_V

ClientSampleId :

VICV68

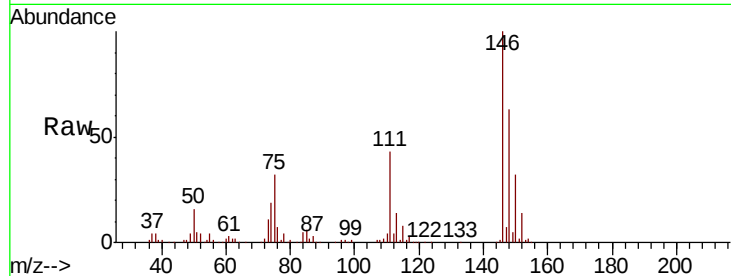
Tgt Ion:146 Resp: 142650

Ion Ratio Lower Upper

146 100

111 43.2 34.8 52.2

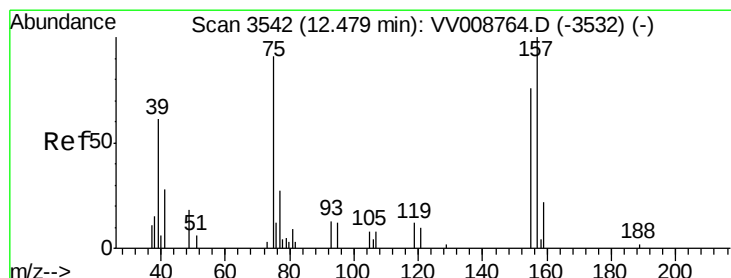
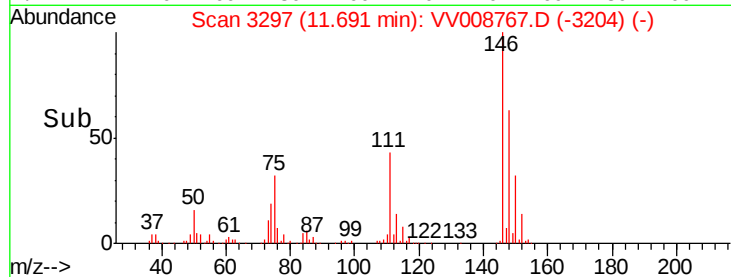
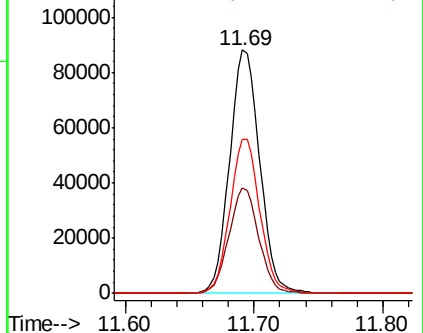
148 63.3 51.1 76.7



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 5.333 ug/L

RT: 12.48 min Scan# 3542

Delta R.T. -0.00 min

Lab File: VV008767.D

Acq: 29 Nov 2018 16:35

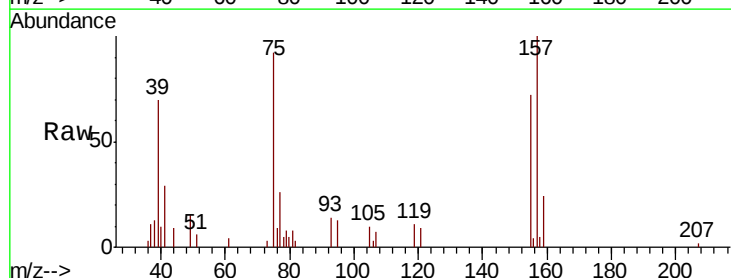
Tgt Ion: 75 Resp: 7332

Ion Ratio Lower Upper

75 100

155 77.9 66.7 100.1

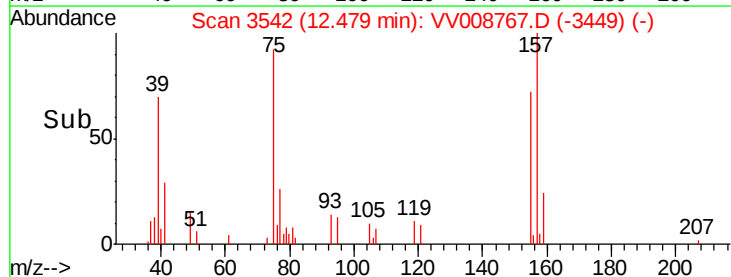
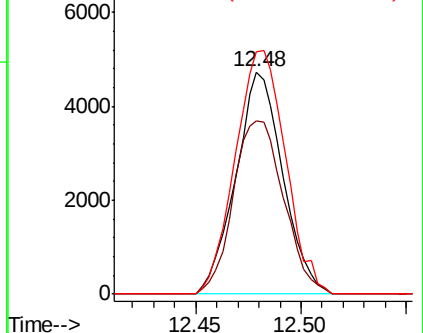
157 108.8 88.0 132.0

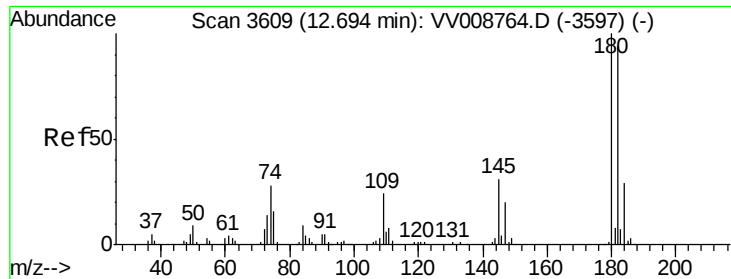


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

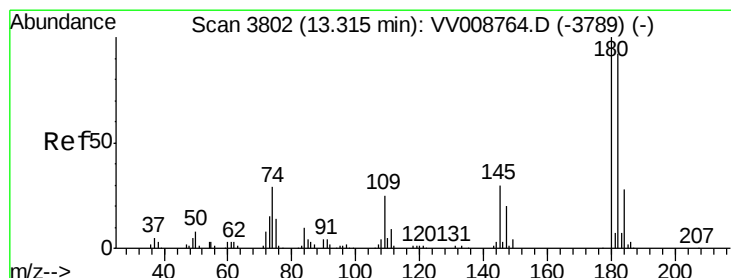
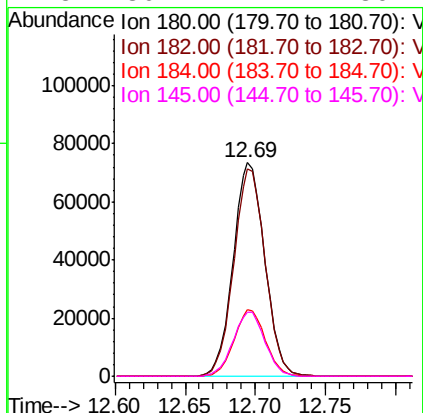
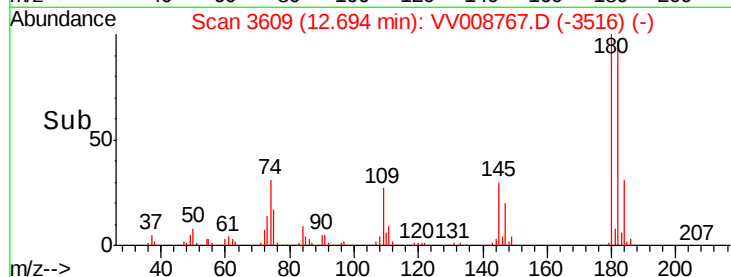
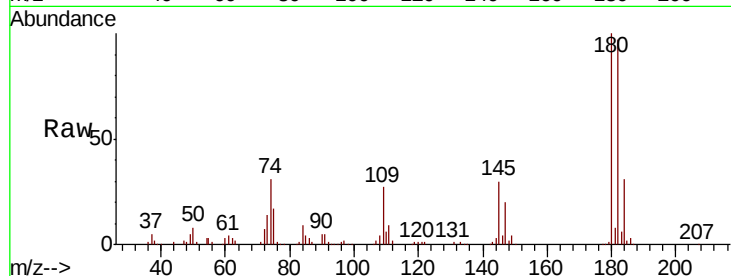




#67
 1,3,5-Trichlorobenzene
 Concen: 5.304 ug/L
 RT: 12.69 min Scan# 3609
 Delta R.T. -0.00 min
 Lab File: VV008767.D
 Acq: 29 Nov 2018 16:35

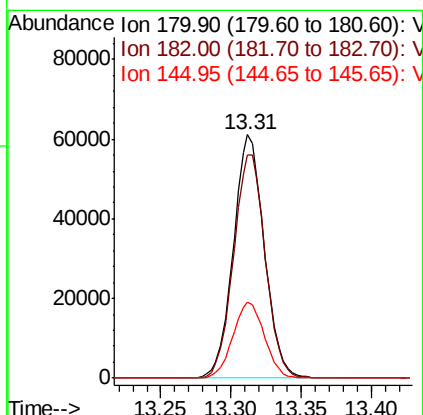
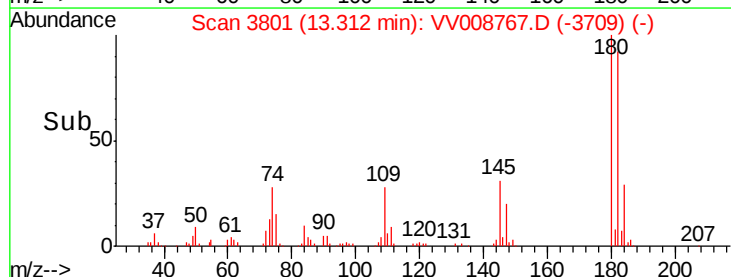
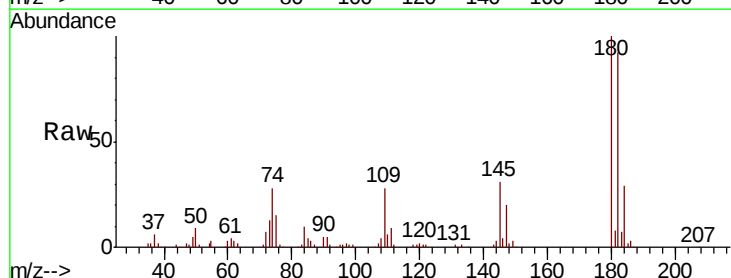
Instrument :
 MSVOA_V
 ClientSampleId :
 VICV68

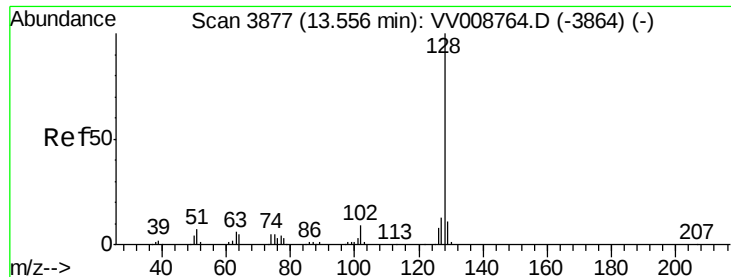
Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.5	74.7	112.1
184	30.7	23.3	34.9
145	30.1	24.2	36.4



#68
 1,2,4-trichlorobenzene
 Concen: 5.854 ug/L
 RT: 13.31 min Scan# 3801
 Delta R.T. -0.00 min
 Lab File: VV008767.D
 Acq: 29 Nov 2018 16:35

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.2	74.2	111.4
145	31.7	24.1	36.1





#69

Naphthalene

Concen: 6.269 ug/L

RT: 13.55 min Scan# 3876

Delta R.T. -0.00 min

Lab File: VV008767.D

Acq: 29 Nov 2018 16:35

Instrument :

MSVOA_V

ClientSampleId :

VICV68

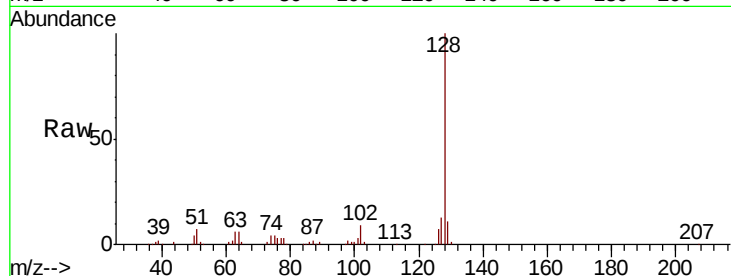
Tgt Ion:128 Resp: 146875

Ion Ratio Lower Upper

128 100

129 10.9 8.6 12.8

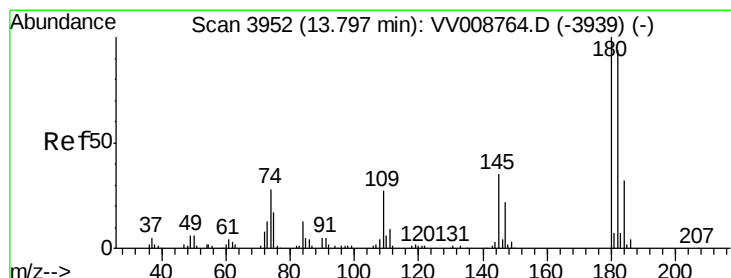
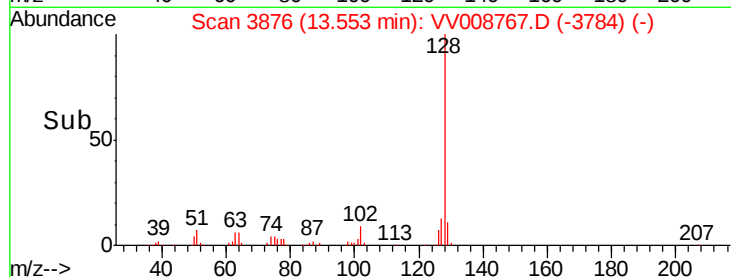
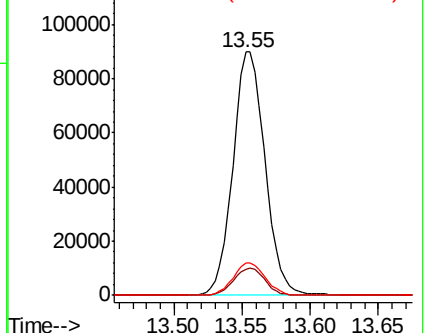
127 13.3 10.1 15.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 5.859 ug/L

RT: 13.80 min Scan# 3952

Delta R.T. -0.00 min

Lab File: VV008767.D

Acq: 29 Nov 2018 16:35

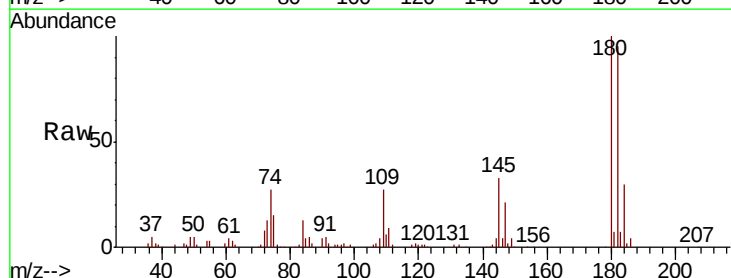
Tgt Ion:180 Resp: 87574

Ion Ratio Lower Upper

180 100

182 94.9 76.2 114.4

145 33.4 27.6 41.4



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

