

Data File : VV008862.D
Acq On : 06 Dec 2018 16:38
Operator : SY/MD
Sample : VSTDICV025
Misc : 5.00g/10.0 mL/MSVOA_V/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VICV68

Quant Time: Dec 07 01:22:19 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM120618S.M
Quant Title : VOC Analysis
QLast Update : Fri Dec 07 01:18:09 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	202468	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	182935	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	86785	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	53317	25.45	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	101.80%
7) Chloroethane-d5	1.58	69	40001	25.84	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	103.36%
10) 1,1-Dichloroethene-d2	2.13	63	130143	24.84	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	99.36%
20) 2-Butanone-d5	3.93	46	42363	55.54	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	111.08%
24) Chloroform-d	4.40	84	120275	24.71	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	98.84%
26) 1,2-Dichloroethane-d4	5.08	65	66562	25.06	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	100.24%
29) Benzene-d6	5.10	84	238336	23.33	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	93.32%
33) 1,2-Dichloropropane-d6	6.12	67	67163	23.48	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	93.92%
37) Toluene-d8	7.36	98	225252	23.82	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	95.28%
38) trans-1,3-Dichloropropene-	7.66	79	31636	25.17	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	100.68%
39) 2-Hexanone-d5	8.13	63	29520	56.34	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	112.68%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	62078	25.87	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	103.48%
61) 1,2-Dichlorobenzene-d4	11.67	152	75623	23.22	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	92.88%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	70858	21.350 ug/L	100
3) Chloromethane	1.25	50	50201	22.012 ug/L	100
5) Vinyl chloride	1.32	62	57220	22.474 ug/L	99
6) Bromomethane	1.53	94	32192	26.299 ug/L	99
8) Chloroethane	1.59	64	32649	22.896 ug/L	99
9) Trichlorofluoromethane	1.77	101	118284	27.124 ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	2.14	101	70975	23.731 ug/L	99
12) 1,1-Dichloroethene	2.14	96	60808	23.299 ug/L	98
13) Acetone	2.19	43	67188	59.782 ug/L	100
14) Carbon disulfide	2.32	76	196287	23.421 ug/L	99
15) Methyl Acetate	2.46	43	37232	26.125 ug/L	99
16) Methylene chloride	2.53	84	71622	21.007 ug/L	97
17) Methyl tert-butyl Ether	2.80	73	146546	24.715 ug/L	97
18) trans-1,2-Dichloroethene	2.79	96	66615	23.620 ug/L	98
19) 1,1-Dichloroethane	3.23	63	110220	24.109 ug/L	98
21) 2-Butanone	4.01	43	63688	60.461 ug/L	98
22) cis-1,2-Dichloroethene	3.96	96	69779	23.729 ug/L	98

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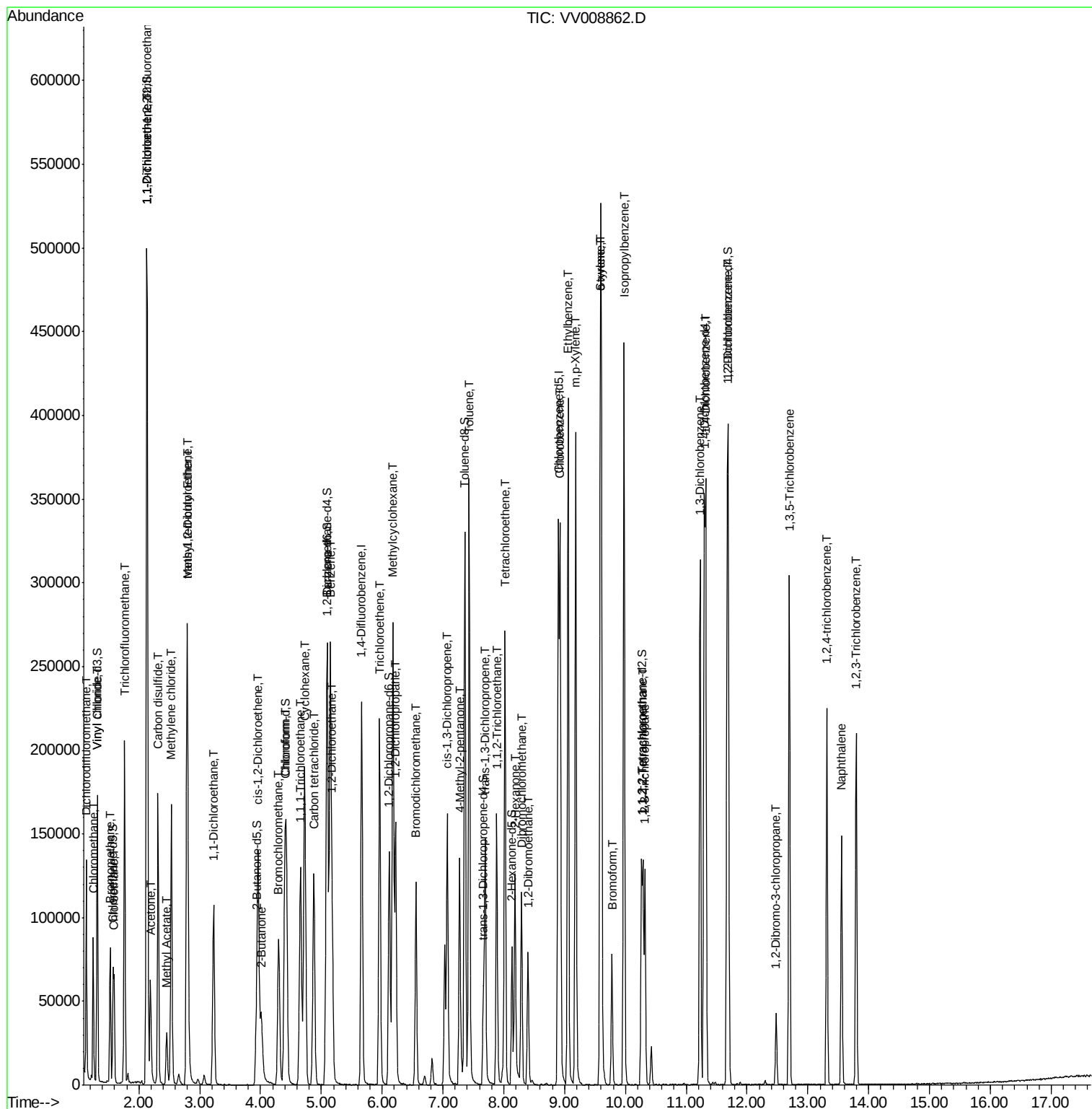
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	33711	24.323	ug/L	97
25) Chloroform	4.43	83	118328	24.116	ug/L	99
27) 1,2-Dichloroethane	5.18	62	79521	23.792	ug/L	100
30) Cyclohexane	4.73	56	104378	22.659	ug/L	100
31) 1,1,1-Trichloroethane	4.66	97	108301	22.962	ug/L	99
32) Carbon tetrachloride	4.87	117	97283	22.593	ug/L	100
34) Benzene	5.15	78	251448	22.942	ug/L	100
35) Trichloroethene	5.96	95	74728	22.616	ug/L	99
36) Methylcyclohexane	6.18	83	121838	23.120	ug/L	99
40) 1,2-Dichloropropane	6.22	63	62977	23.942	ug/L	98
41) Bromodichloromethane	6.56	83	79931	23.055	ug/L	100
42) cis-1,3-Dichloropropene	7.07	75	93965	24.399	ug/L	99
43) 4-Methyl-2-pentanone	7.27	43	92571	52.067	ug/L	98
44) Toluene	7.43	91	268139	23.328	ug/L	98
45) trans-1,3-Dichloropropene	7.69	75	81588	24.303	ug/L	97
46) 1,1,2-Trichloroethane	7.88	97	51813	23.640	ug/L	98
47) Tetrachloroethene	8.02	164	59972	22.318	ug/L	95
49) 2-Hexanone	8.18	43	85048	57.821	ug/L	95
50) Dibromochloromethane	8.29	129	60957	24.263	ug/L	98
51) 1,2-Dibromoethane	8.40	107	52907	24.038	ug/L	97
52) Chlorobenzene	8.93	112	175429	23.440	ug/L	98
53) Ethylbenzene	9.06	91	294287	23.601	ug/L	99
54) m,p-Xylene	9.18	106	111788	23.677	ug/L	98
55) o-xylene	9.59	106	106097	24.186	ug/L	100
56) Styrene	9.60	104	175527	24.804	ug/L	96
57) Isopropylbenzene	9.98	105	286649	24.042	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.29	83	60072	25.353	ug/L	97
59) 1,2,3-Trichloropropane	10.32	75	51722	25.228	ug/L	99
62) Bromoform	9.78	173	36783	23.475	ug/L	97
63) 1,3-Dichlorobenzene	11.23	146	131017	23.428	ug/L	99
64) 1,4-Dichlorobenzene	11.32	146	132045	22.946	ug/L	96
65) 1,2-Dichlorobenzene	11.69	146	123137	23.885	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.48	75	10576	25.040	ug/L	96
67) 1,3,5-Trichlorobenzene	12.69	180	94947	23.506	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	67700	23.921	ug/L	99
69) Naphthalene	13.55	128	117187	24.040	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	62853	24.040	ug/L	98

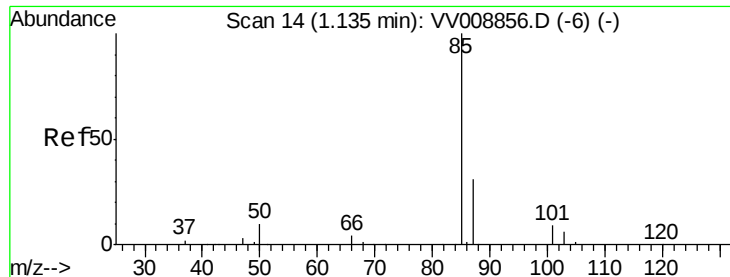
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 21.350 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

Lab File: VV008862.D

Acq: 06 Dec 2018 16:38

Instrument :

MSVOA_V

ClientSampleId :

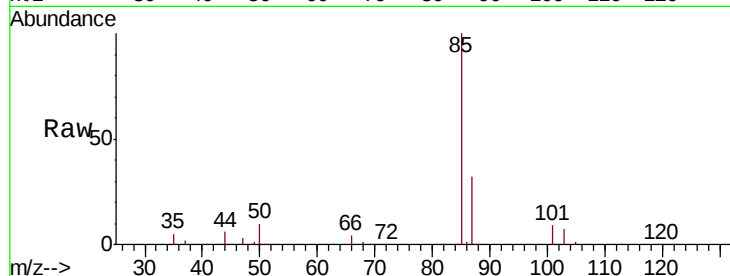
VICV68

Tgt Ion: 85 Resp: 70858

Ion Ratio Lower Upper

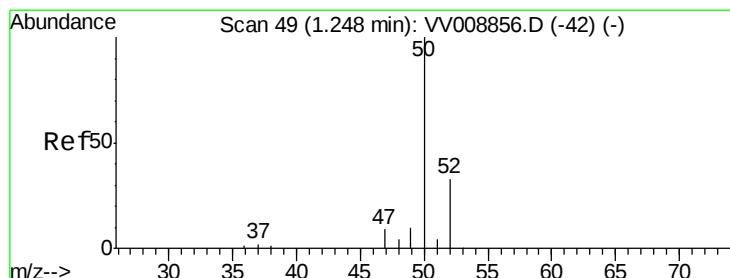
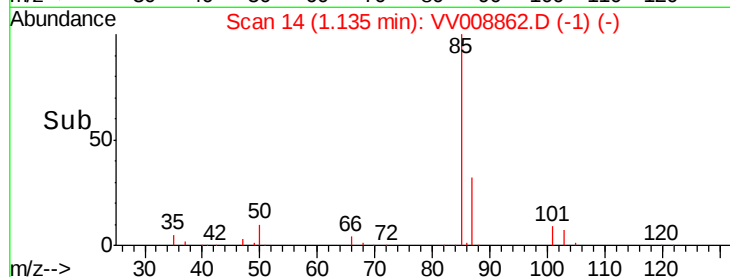
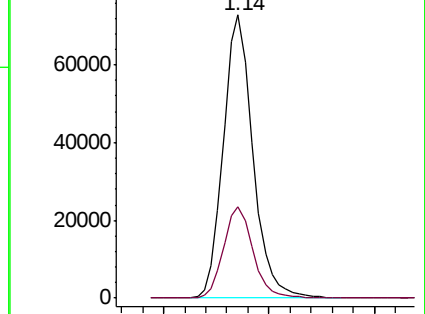
85 100

87 32.1 22.4 41.6



Abundance Ion 85.00 (84.70 to 85.70): VV008862.D (-6) (-)

Ion 87.00 (86.70 to 87.70): VV008862.D (-6) (-)



#3

Chloromethane

Concen: 22.012 ug/L

RT: 1.25 min Scan# 49

Delta R.T. 0.00 min

Lab File: VV008862.D

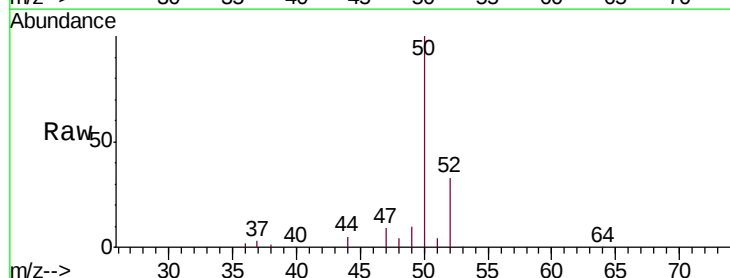
Acq: 06 Dec 2018 16:38

Tgt Ion: 50 Resp: 50201

Ion Ratio Lower Upper

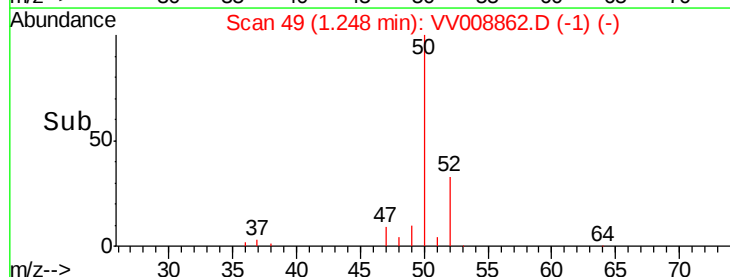
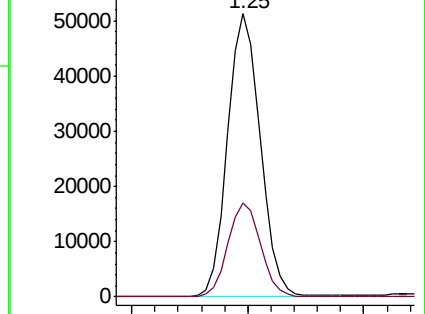
50 100

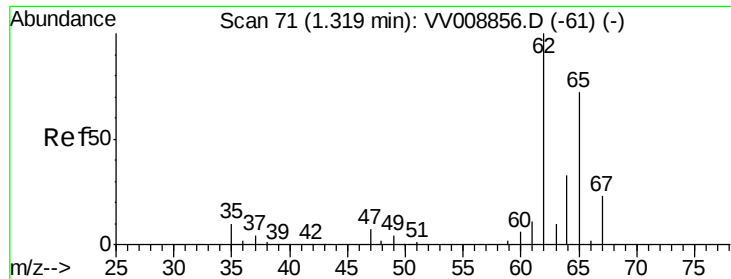
52 33.3 23.2 43.2



Abundance Ion 50.00 (49.70 to 50.70): VV008862.D (-1) (-)

Ion 52.00 (51.70 to 52.70): VV008862.D (-1) (-)





#5

Vinyl chloride

Concen: 22.474 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV008862.D

Acq: 06 Dec 2018 16:38

Instrument :

MSVOA_V

ClientSampleId :

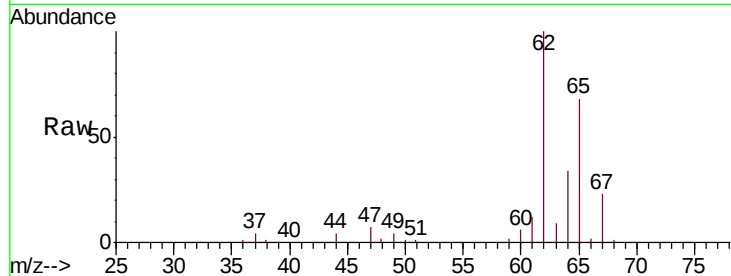
VICV68

Tgt Ion: 62 Resp: 57220

Ion Ratio Lower Upper

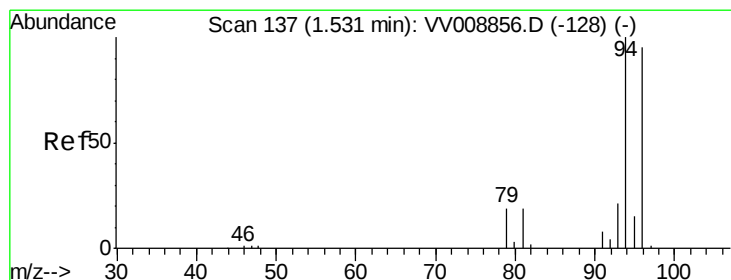
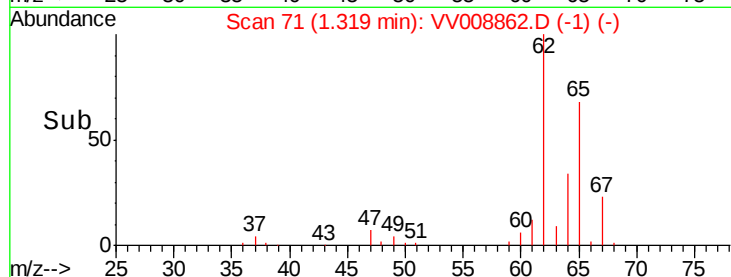
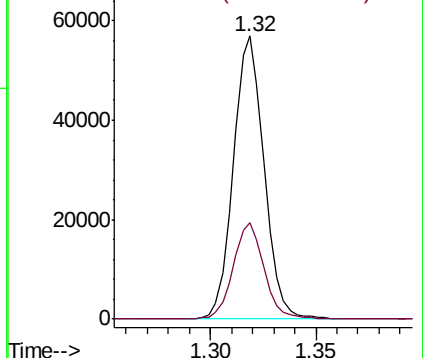
62 100

64 33.9 23.3 43.3



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#6

Bromomethane

Concen: 26.299 ug/L

RT: 1.53 min Scan# 136

Delta R.T. -0.00 min

Lab File: VV008862.D

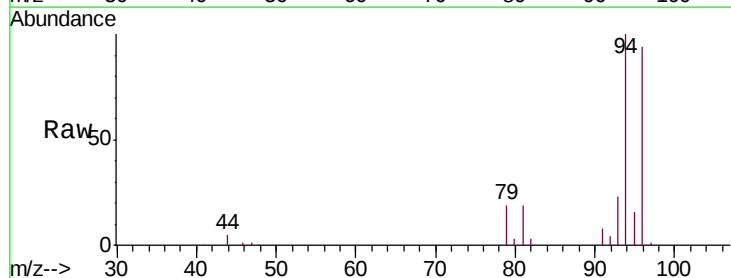
Acq: 06 Dec 2018 16:38

Tgt Ion: 94 Resp: 32192

Ion Ratio Lower Upper

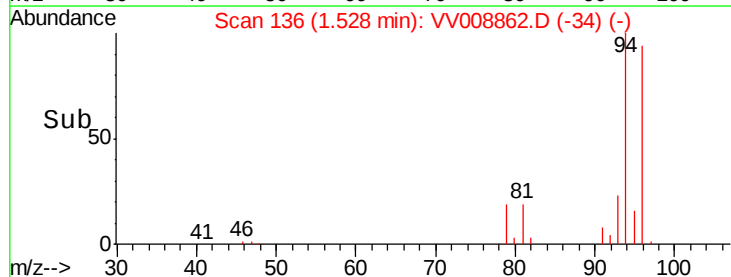
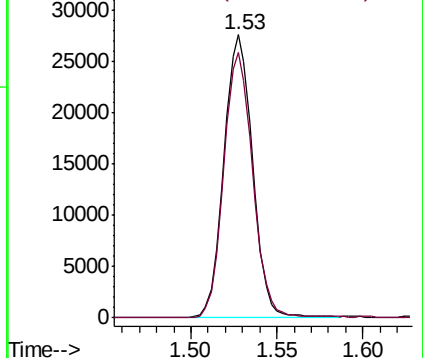
94 100

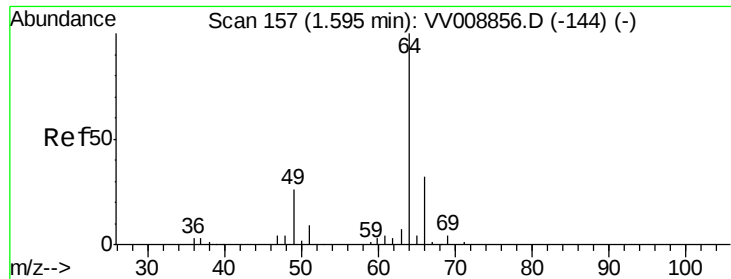
96 94.3 9.5 180.9



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 22.896 ug/L

RT: 1.59 min Scan# 156

Delta R.T. -0.00 min

Lab File: VV008862.D

Acq: 06 Dec 2018 16:38

Instrument :

MSVOA_V

ClientSampleId :

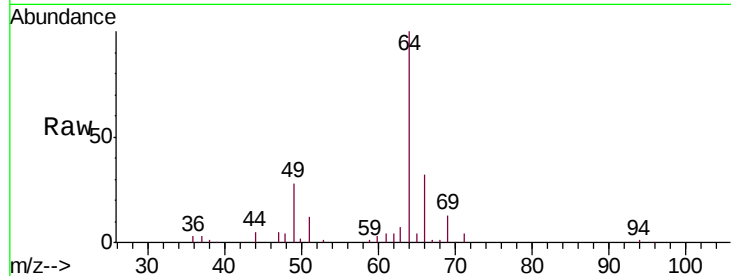
VICV68

Tgt Ion: 64 Resp: 32649

Ion Ratio Lower Upper

64 100

66 32.0 22.2 41.2

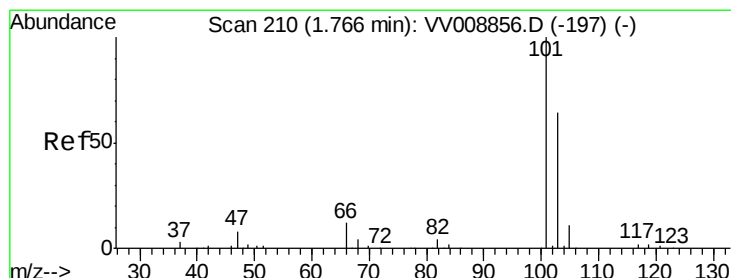
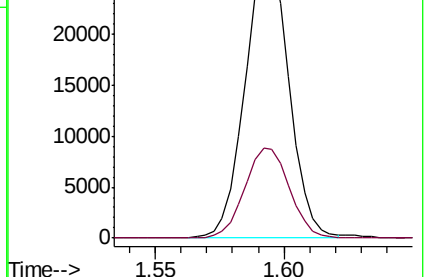
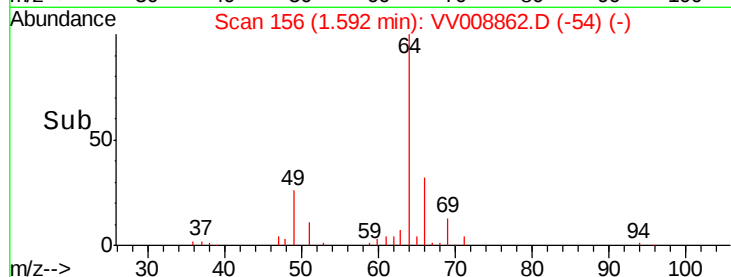


Abundance Ion 64.00 (63.70 to 64.70): VV008856.D (-144) (-)

Ion 66.00 (65.70 to 66.70): VV008856.D (-144) (-)

1.59

Time-->



#9

Trichlorofluoromethane

Concen: 27.124 ug/L

RT: 1.77 min Scan# 210

Delta R.T. 0.00 min

Lab File: VV008862.D

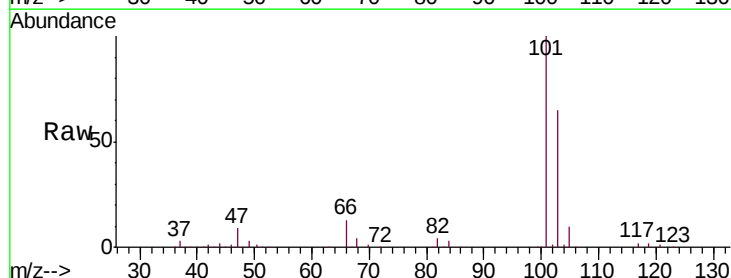
Acq: 06 Dec 2018 16:38

Tgt Ion: 101 Resp: 118284

Ion Ratio Lower Upper

101 100

103 64.0 44.8 83.2

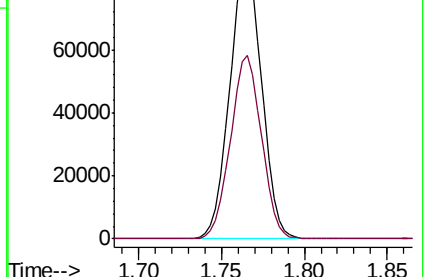
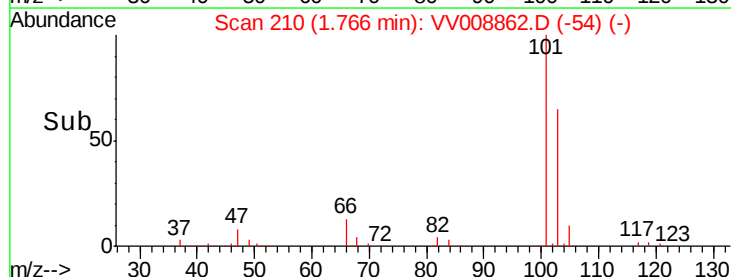


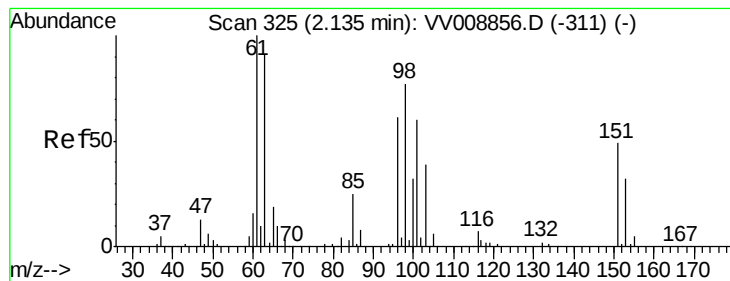
Abundance Ion 101.00 (100.70 to 101.70): VV008856.D (-197) (-)

Ion 103.00 (102.70 to 103.70): VV008856.D (-197) (-)

1.77

Time-->





#11

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

Concen: 23.731 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV008862.D

Acq: 06 Dec 2018 16:38

Instrument :

MSVOA_V

ClientSampled :

VICV68

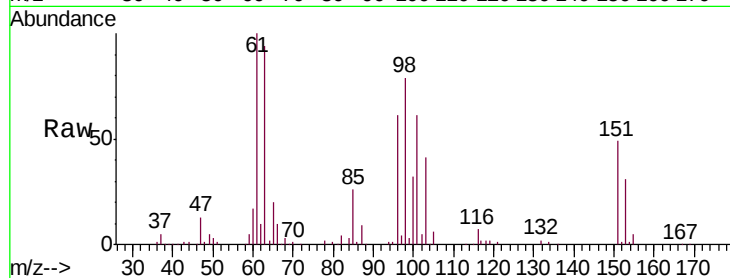
Tgt Ion:101 Resp: 70975

Ion Ratio Lower Upper

101 100

85 41.8 32.5 48.7

151 80.1 64.2 96.4



Abundance Ion 101.00 (100.70 to 101.70): VV008856.D (-311) (-)

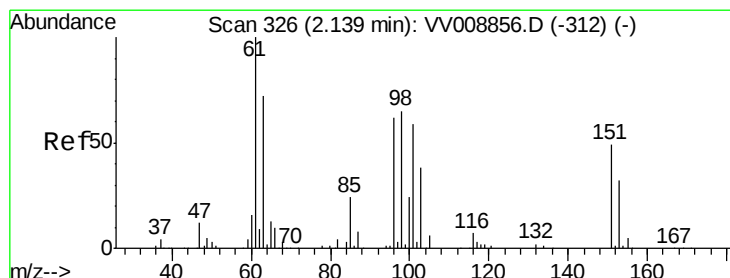
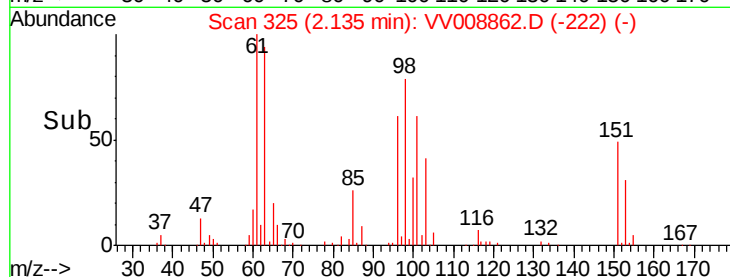
Ion 85.00 (84.70 to 85.70): VV008856.D (-311) (-)

Ion 151.00 (150.70 to 151.70): VV008856.D (-311) (-)

Time-->

2.14

2.10 2.15 2.20



#12

1,1-Dichloroethene

Concen: 23.299 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV008862.D

Acq: 06 Dec 2018 16:38

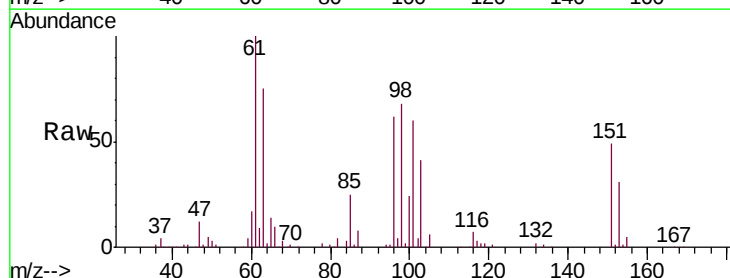
Tgt Ion: 96 Resp: 60808

Ion Ratio Lower Upper

96 100

61 161.2 114.0 211.6

63 120.6 82.4 153.0



Abundance Ion 96.00 (95.70 to 96.70): VV008856.D (-312) (-)

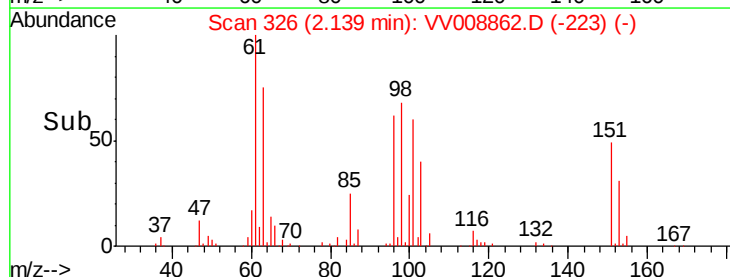
Ion 61.00 (60.70 to 61.70): VV008856.D (-312) (-)

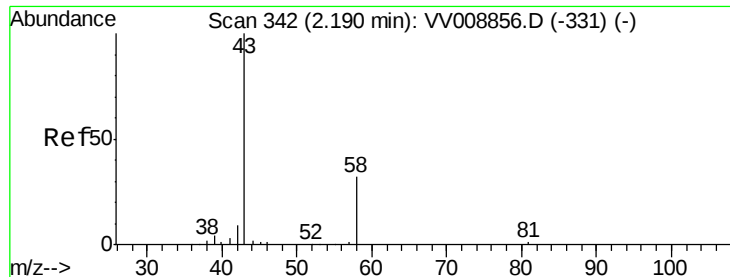
Ion 63.00 (62.70 to 63.70): VV008856.D (-312) (-)

Time-->

2.14

2.10 2.15 2.20





#13

Acetone

Concen: 59.782 ug/L

RT: 2.19 min Scan# 342

Delta R.T. 0.00 min

Lab File: VV008862.D

Acq: 06 Dec 2018 16:38

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MSVOA_V

ClientSampleId :

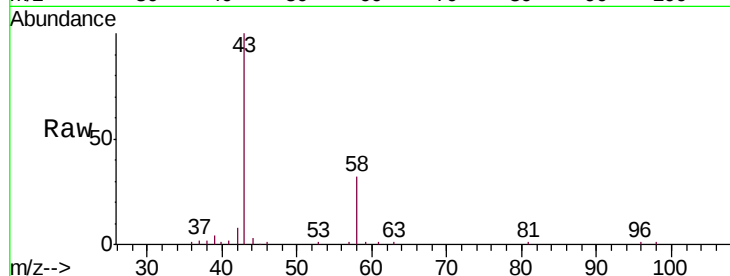
VICV68

Tgt Ion: 43 Resp: 67188

Ion Ratio Lower Upper

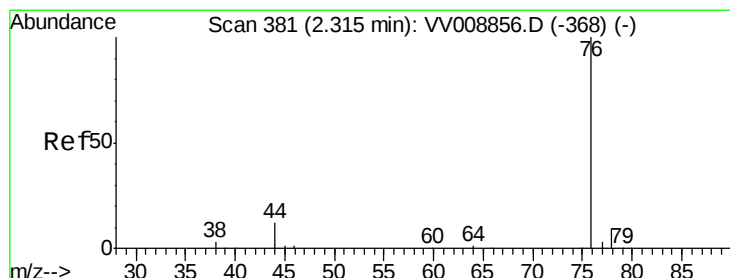
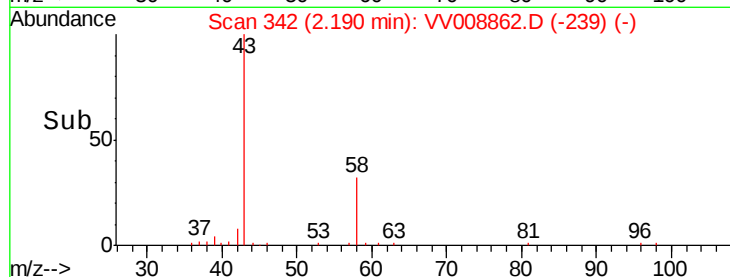
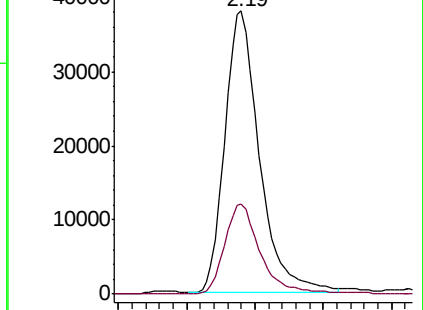
43 100

58 32.6 0.0 65.4



Abundance Ion 43.00 (42.70 to 43.70): VV008856.D (-331) (-)

Ion 58.00 (57.70 to 58.70): VV008856.D (-331) (-)



#14

Carbon disulfide

Concen: 23.421 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

Lab File: VV008862.D

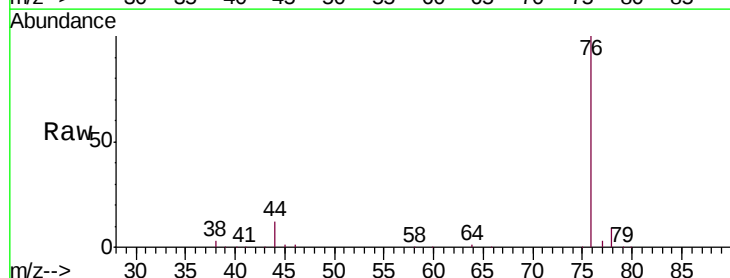
Acq: 06 Dec 2018 16:38

Tgt Ion: 76 Resp: 196287

Ion Ratio Lower Upper

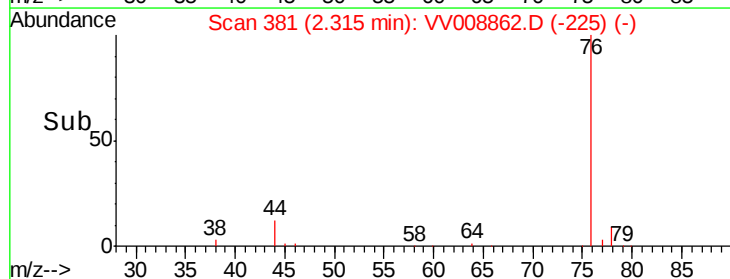
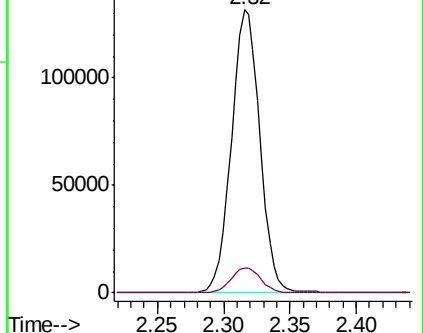
76 100

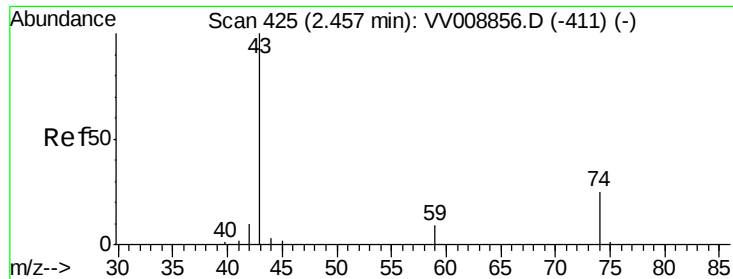
78 8.9 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VV008856.D (-368) (-)

Ion 78.00 (77.70 to 78.70): VV008856.D (-368) (-)

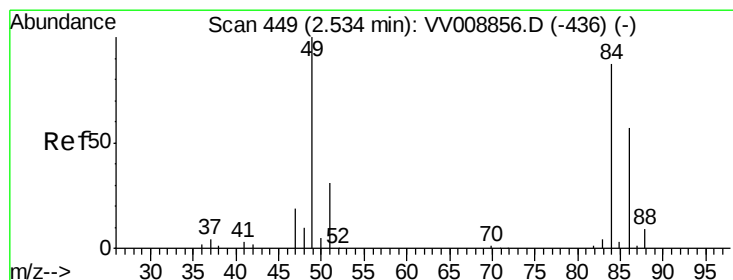
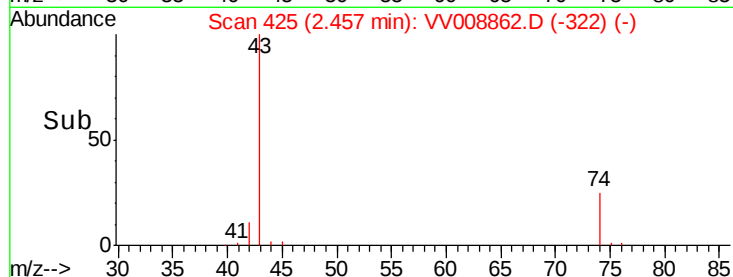
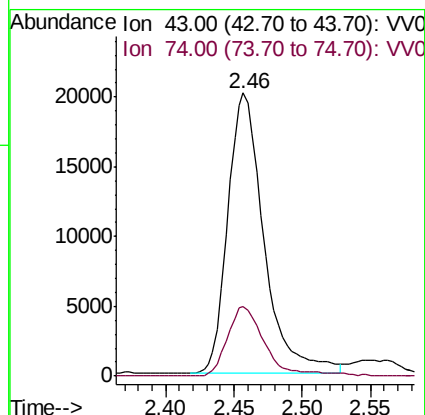
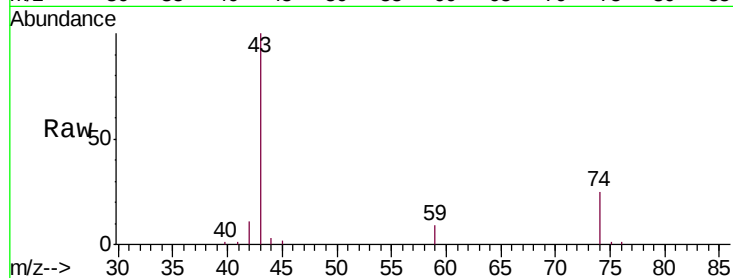




#15
Methyl Acetate
Concen: 26.125 ug/L
RT: 2.46 min Scan# 425
Delta R.T. 0.00 min
Lab File: VV008862.D
Acq: 06 Dec 2018 16:38

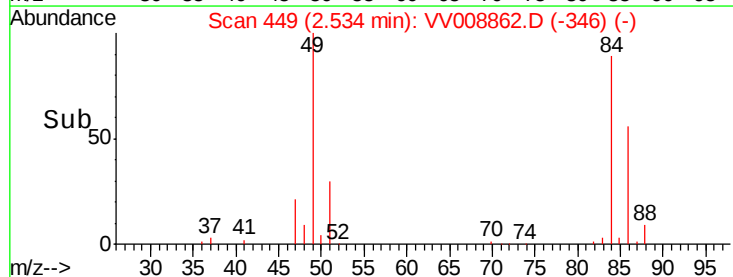
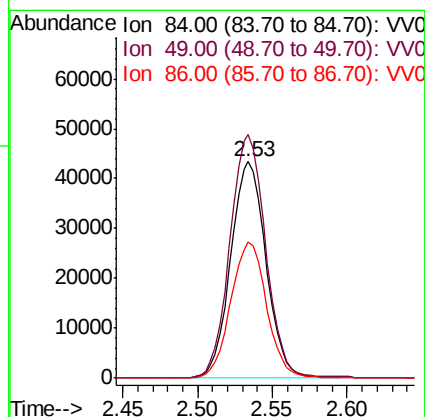
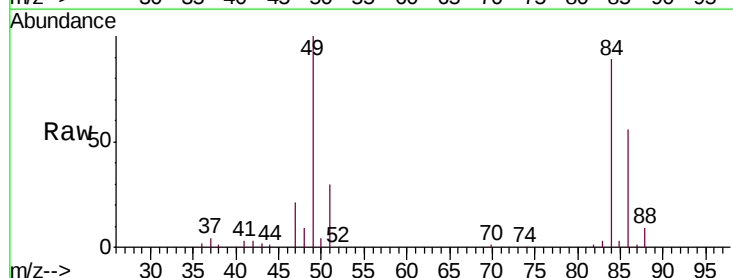
Instrument :
MSVOA_V
ClientSampleId :
VICV68

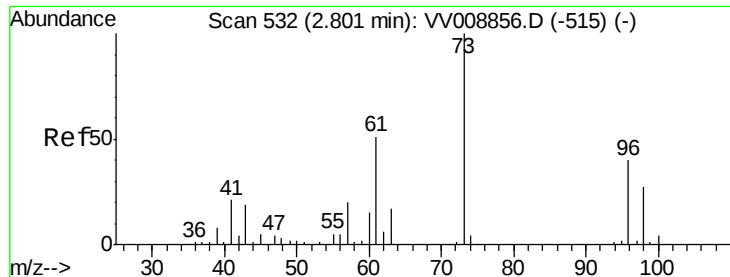
Tgt Ion: 43 Resp: 37232
Ion Ratio Lower Upper
43 100
74 25.3 19.7 29.5



#16
Methylene chloride
Concen: 21.007 ug/L
RT: 2.53 min Scan# 449
Delta R.T. 0.00 min
Lab File: VV008862.D
Acq: 06 Dec 2018 16:38

Tgt Ion: 84 Resp: 71622
Ion Ratio Lower Upper
84 100
49 112.4 80.5 149.5
86 62.6 45.5 84.5

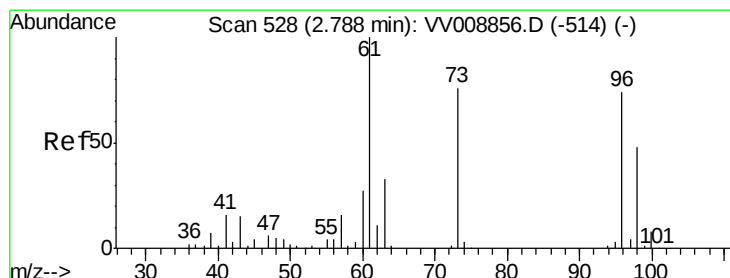
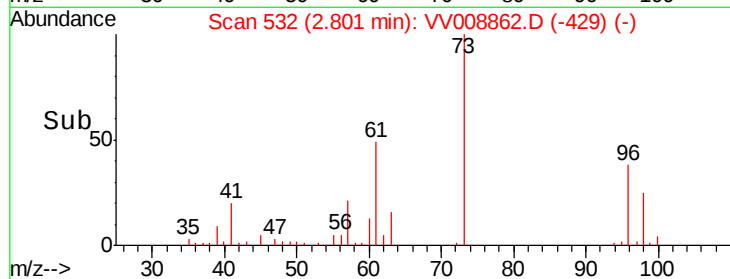
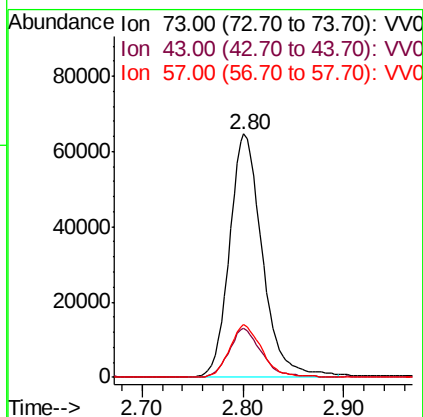
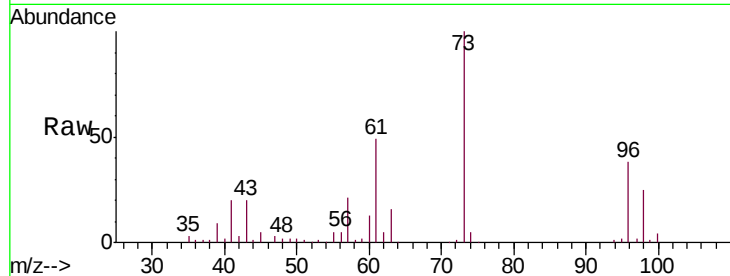




#17
Methyl tert-butyl Ether
Concen: 24.715 ug/L
RT: 2.80 min Scan# 532
Delta R.T. 0.00 min
Lab File: VV008862.D
Acq: 06 Dec 2018 16:38

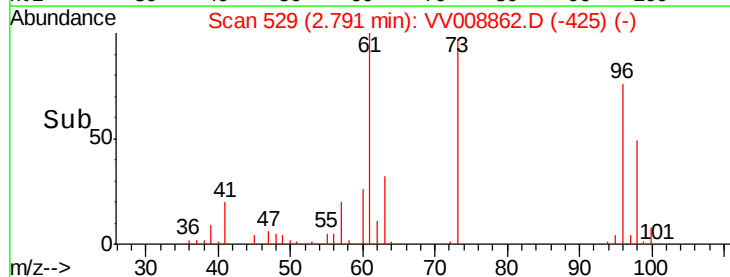
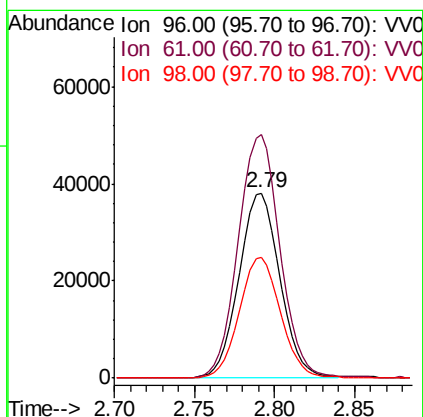
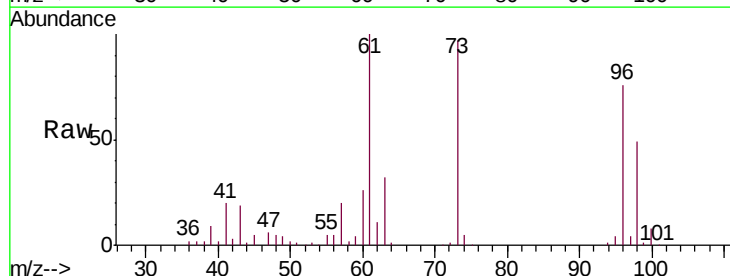
Instrument :
MSVOA_V
ClientSampled :
VICV68

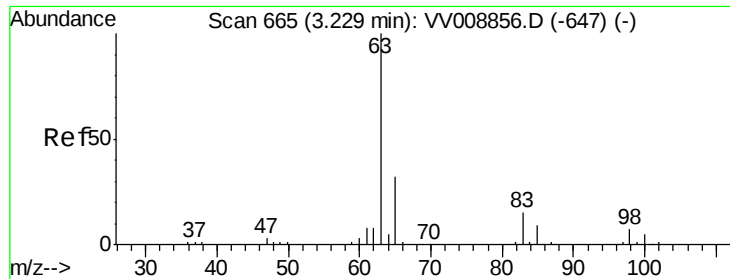
Tgt Ion: 73 Resp: 146546
Ion Ratio Lower Upper
73 100
43 19.8 14.9 22.3
57 21.4 16.0 24.0



#18
trans-1,2-Dichloroethene
Concen: 23.620 ug/L
RT: 2.79 min Scan# 529
Delta R.T. 0.00 min
Lab File: VV008862.D
Acq: 06 Dec 2018 16:38

Tgt Ion: 96 Resp: 66615
Ion Ratio Lower Upper
96 100
61 131.7 94.6 175.8
98 65.2 45.3 84.1

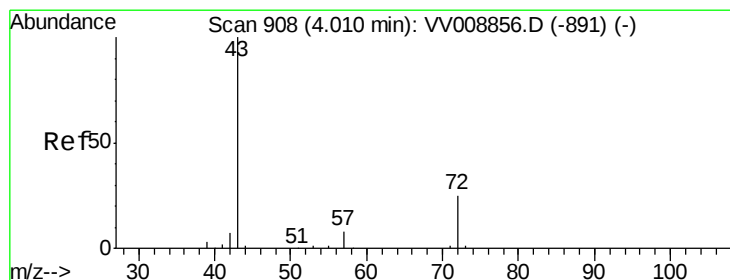
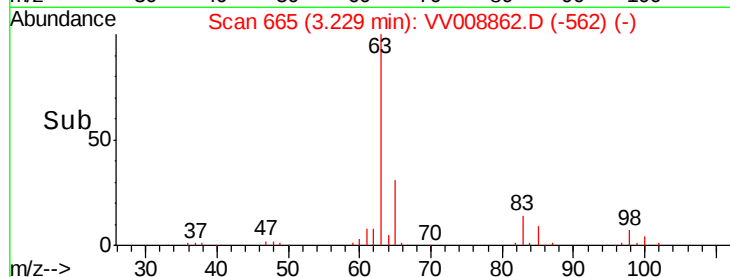
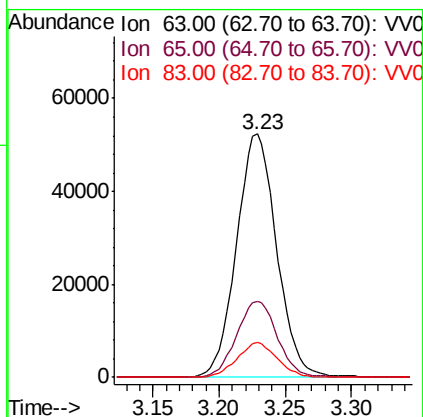
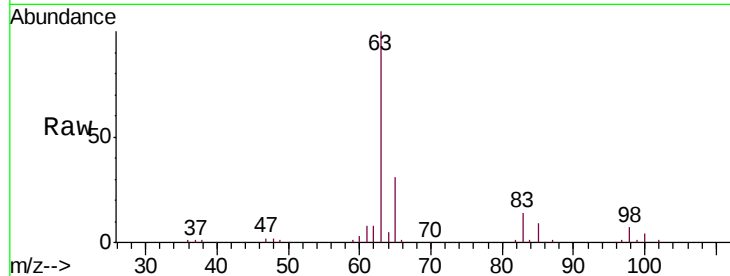




#19
 1,1-Dichloroethane
 Concen: 24.109 ug/L
 RT: 3.23 min Scan# 665
 Delta R.T. 0.00 min
 Lab File: VV008862.D
 Acq: 06 Dec 2018 16:38

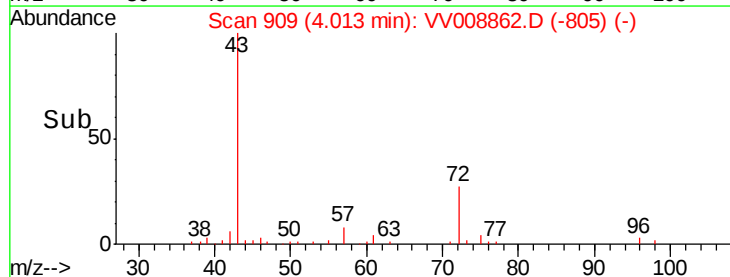
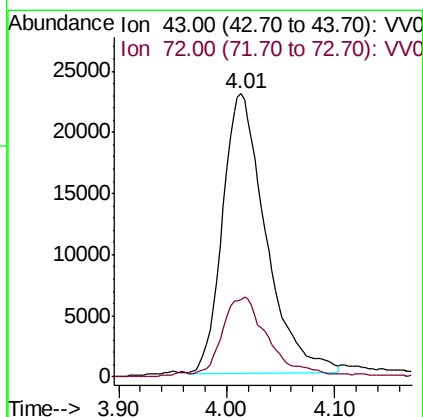
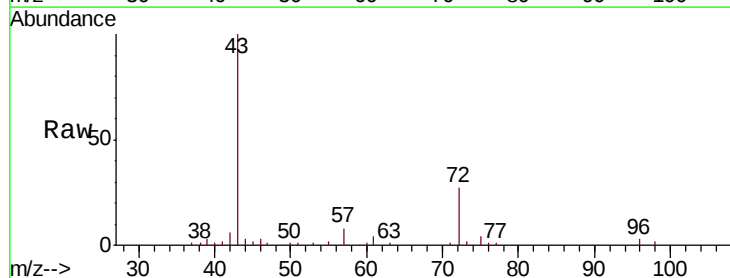
Instrument :
 MSVOA_V
 ClientSampleId :
 VICV68

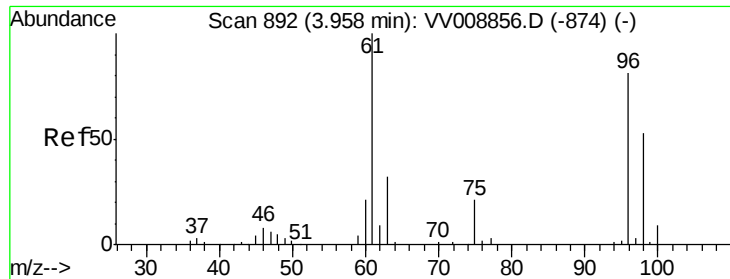
Tgt Ion: 63 Resp: 110220
 Ion Ratio Lower Upper
 63 100
 65 31.3 22.7 42.1
 83 14.2 10.2 19.0



#21
 2-Butanone
 Concen: 60.461 ug/L
 RT: 4.01 min Scan# 909
 Delta R.T. 0.00 min
 Lab File: VV008862.D
 Acq: 06 Dec 2018 16:38

Tgt Ion: 43 Resp: 63688
 Ion Ratio Lower Upper
 43 100
 72 28.6 13.7 41.1



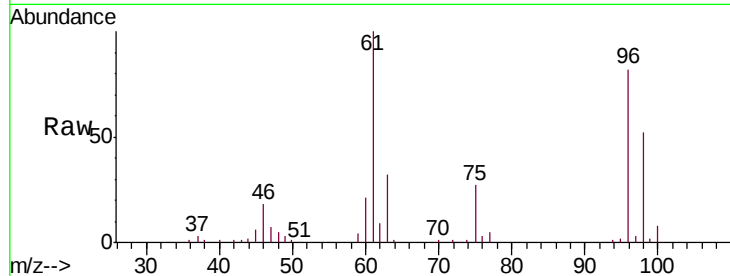


#22

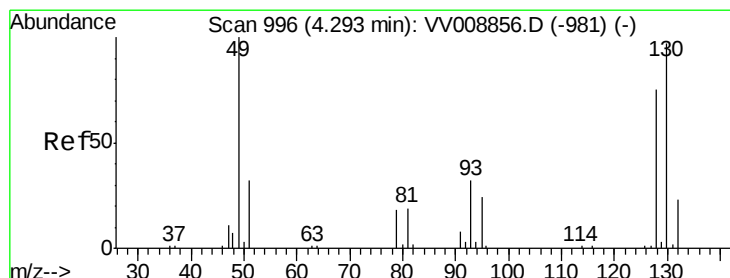
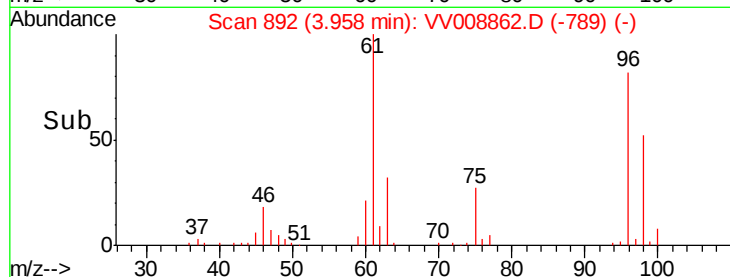
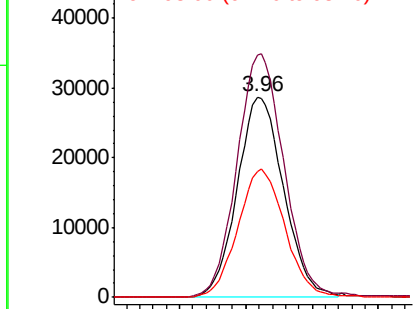
cis-1,2-Dichloroethene
 Concen: 23.729 ug/L
 RT: 3.96 min Scan# 892
 Delta R.T. 0.00 min
 Lab File: VV008862.D
 Acq: 06 Dec 2018 16:38

Instrument :
 MSVOA_V
 ClientSampleId :
 VICV68

Tgt Ion: 96 Resp: 69779
 Ion Ratio Lower Upper
 96 100
 61 121.4 86.2 160.0
 98 63.1 45.6 84.6



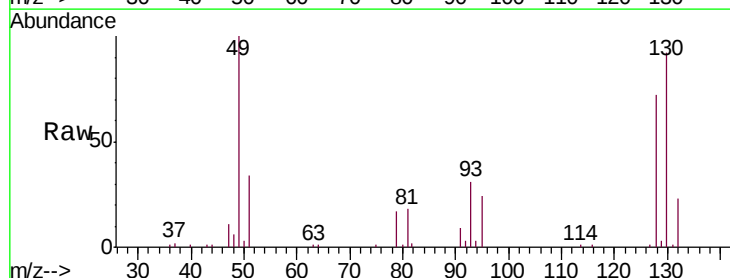
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.00 (60.70 to 61.70): VV0
 Ion 98.00 (97.70 to 98.70): VV0



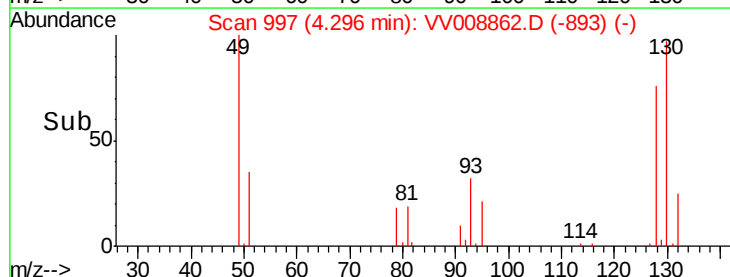
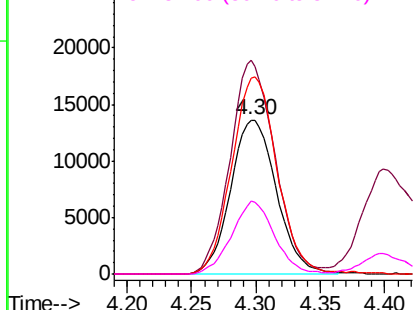
#23

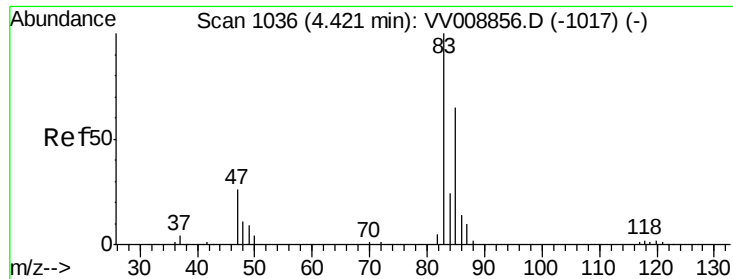
Bromochloromethane
 Concen: 24.323 ug/L
 RT: 4.30 min Scan# 997
 Delta R.T. 0.00 min
 Lab File: VV008862.D
 Acq: 06 Dec 2018 16:38

Tgt Ion: 128 Resp: 33711
 Ion Ratio Lower Upper
 128 100
 49 138.7 93.8 174.2
 130 127.4 90.4 168.0
 51 47.1 34.2 51.4



Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 49.00 (48.70 to 49.70): VV0
 Ion 130.00 (129.70 to 130.70): V
 Ion 51.00 (50.70 to 51.70): VV0

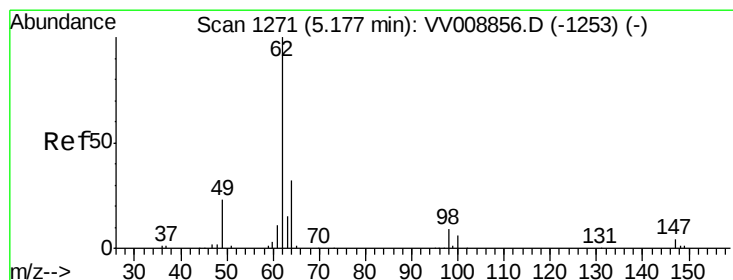
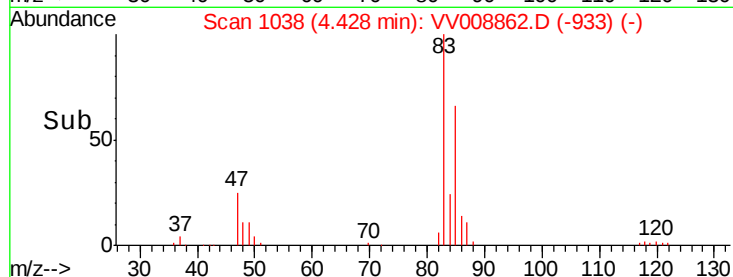
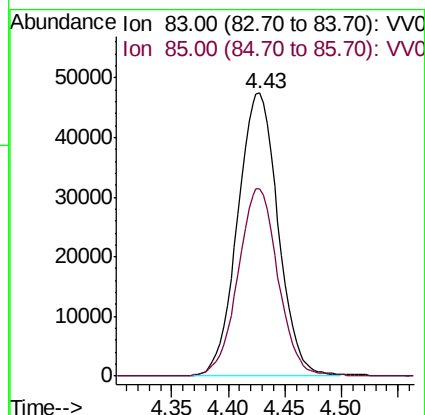
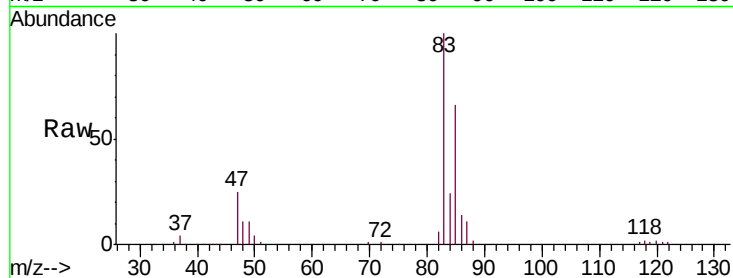




#25
Chloroform
Concen: 24.116 ug/L
RT: 4.43 min Scan# 1038
Delta R.T. 0.01 min
Lab File: VV008862.D
Acq: 06 Dec 2018 16:38

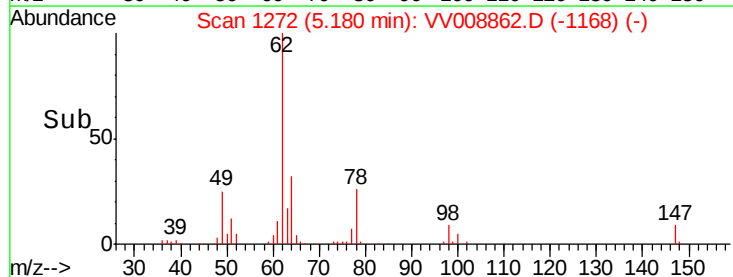
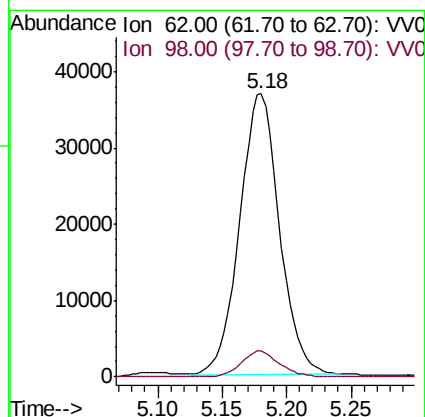
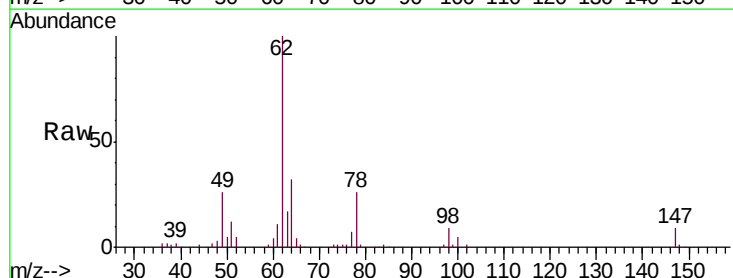
Instrument :
MSVOA_V
ClientSampleId :
VICV68

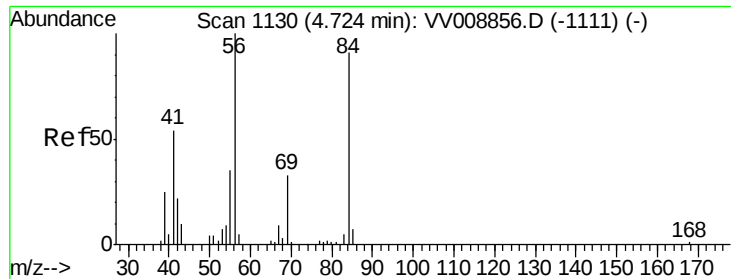
Tgt Ion: 83 Resp: 118328
Ion Ratio Lower Upper
83 100
85 65.6 45.6 84.8



#27
1,2-Dichloroethane
Concen: 23.792 ug/L
RT: 5.18 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VV008862.D
Acq: 06 Dec 2018 16:38

Tgt Ion: 62 Resp: 79521
Ion Ratio Lower Upper
62 100
98 9.1 7.4 11.0

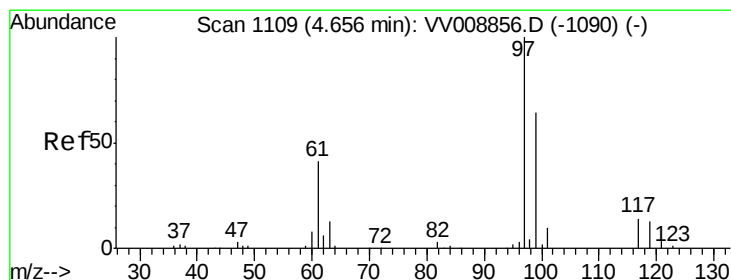
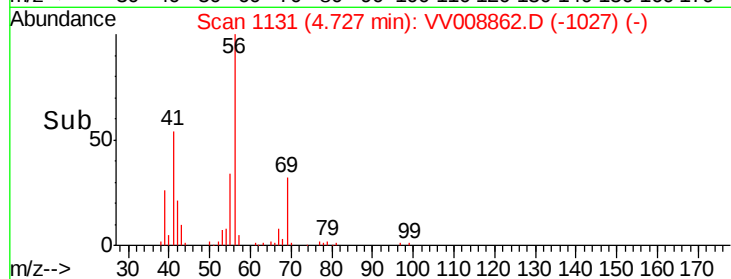
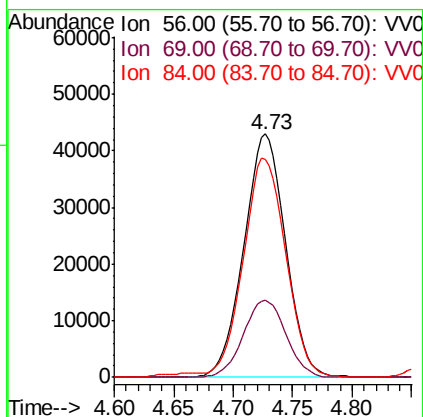
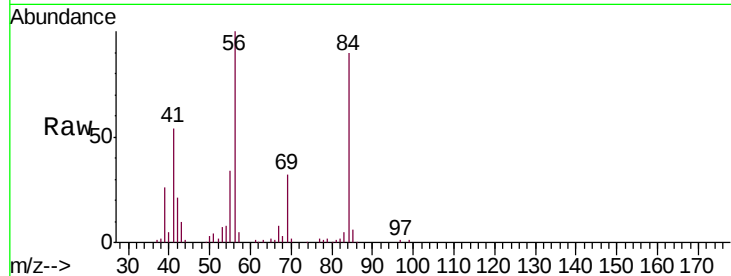




#30
Cyclohexane
Concen: 22.659 ug/L
RT: 4.73 min Scan# 1131
Delta R.T. 0.00 min
Lab File: VV008862.D
Acq: 06 Dec 2018 16:38

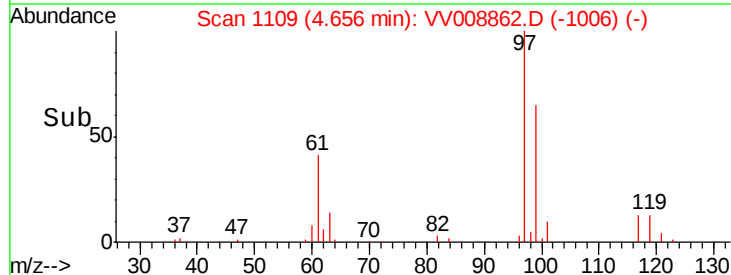
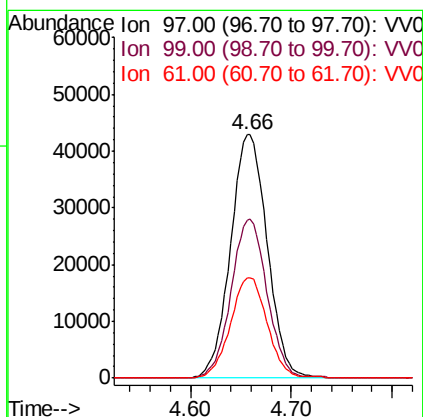
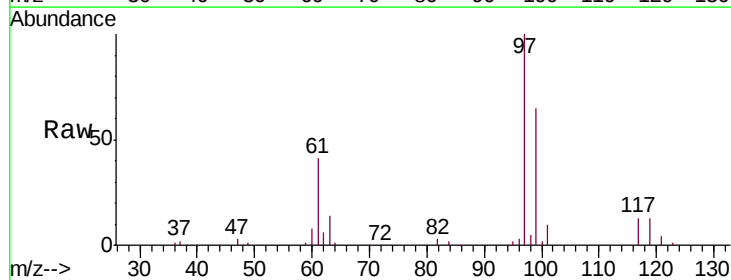
Instrument :
MSVOA_V
ClientSampleId :
VICV68

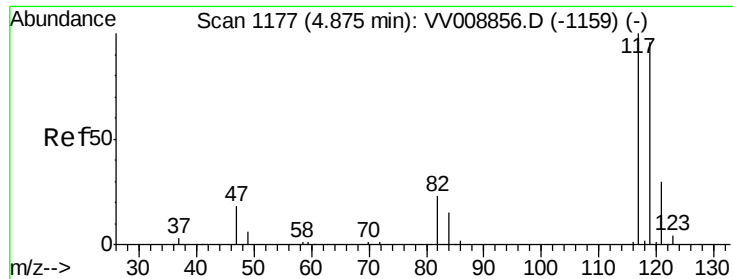
Tgt Ion: 56 Resp: 104378
Ion Ratio Lower Upper
56 100
69 32.3 25.8 38.8
84 91.9 73.0 109.6



#31
1,1,1-Trichloroethane
Concen: 22.962 ug/L
RT: 4.66 min Scan# 1109
Delta R.T. 0.00 min
Lab File: VV008862.D
Acq: 06 Dec 2018 16:38

Tgt Ion: 97 Resp: 108301
Ion Ratio Lower Upper
97 100
99 64.0 51.9 77.9
61 41.4 33.1 49.7





#32

Carbon tetrachloride

Concen: 22.593 ug/L

RT: 4.87 min Scan# 1177

Delta R.T. 0.00 min

Lab File: VV008862.D

Acq: 06 Dec 2018 16:38

Instrument :

MSVOA_V

ClientSampleId :

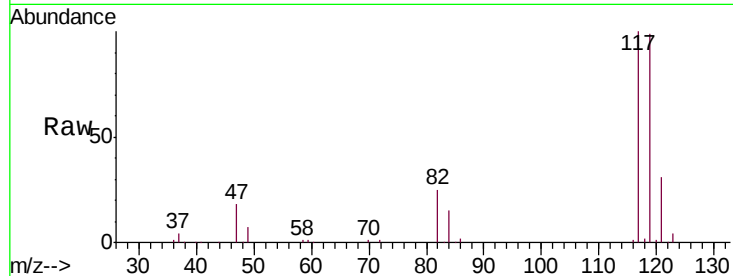
VICV68

Tgt Ion:117 Resp: 97283

Ion Ratio Lower Upper

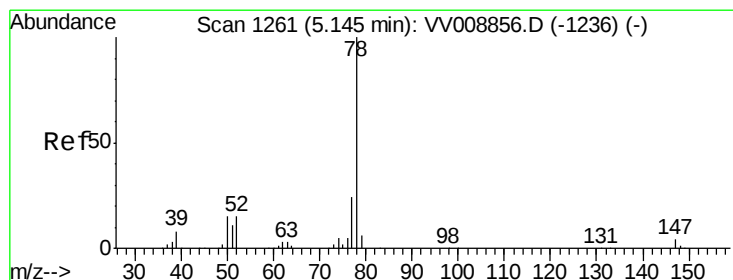
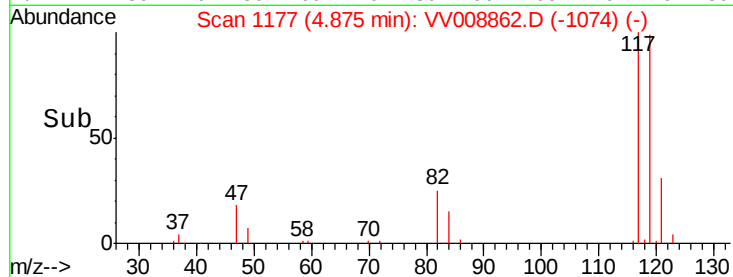
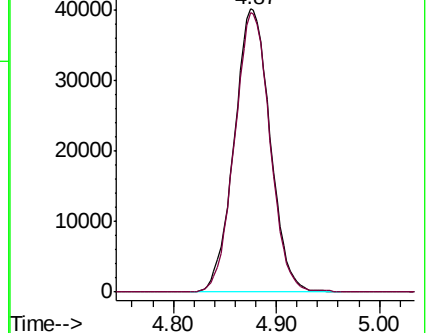
117 100

119 96.9 77.1 115.7



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 22.942 ug/L

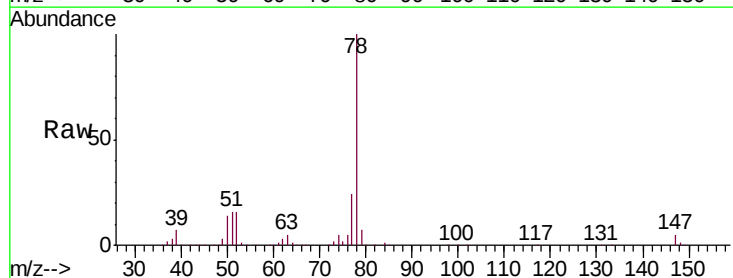
RT: 5.15 min Scan# 1262

Delta R.T. 0.00 min

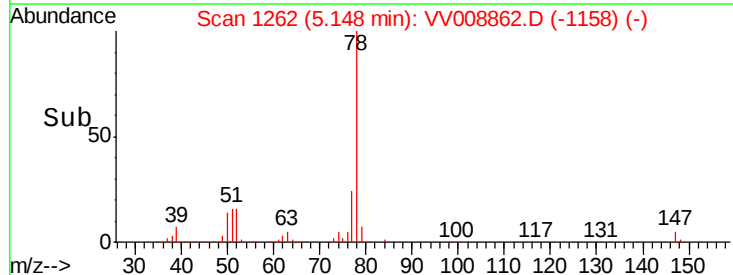
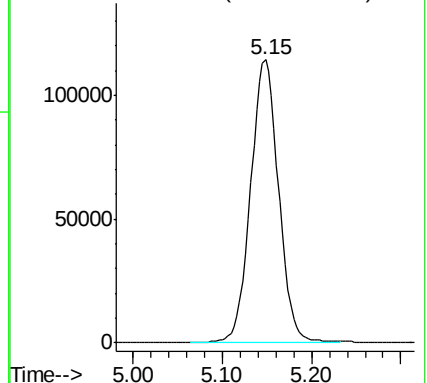
Lab File: VV008862.D

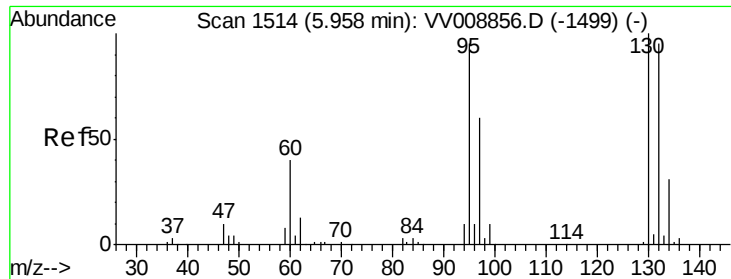
Acq: 06 Dec 2018 16:38

Tgt Ion: 78 Resp: 251448



Abundance Ion 78.00 (77.70 to 78.70): VV0





#35

Trichloroethene

Concen: 22.616 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VV008862.D

Acq: 06 Dec 2018 16:38

Instrument :

MSVOA_V

ClientSampleId :

VICV68

Tgt Ion: 95 Resp: 74728

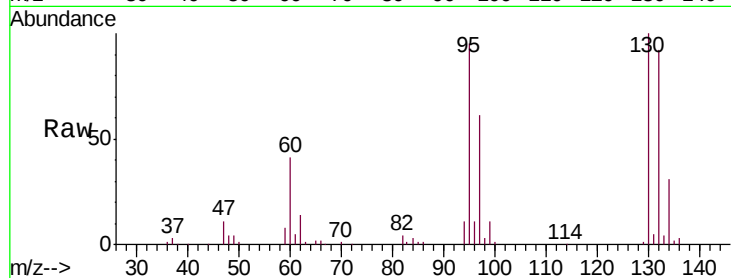
Ion Ratio Lower Upper

95 100

97 65.0 45.3 84.1

132 100.6 70.0 130.0

130 104.2 73.4 136.4

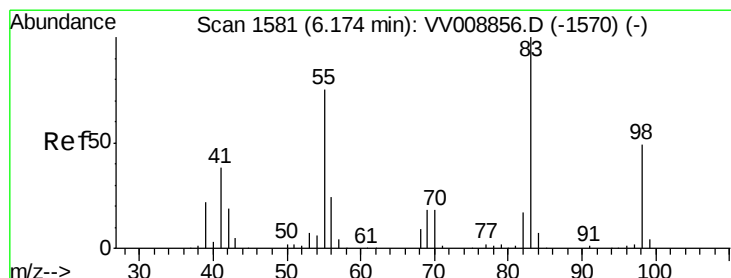
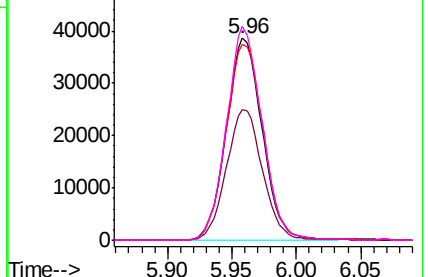
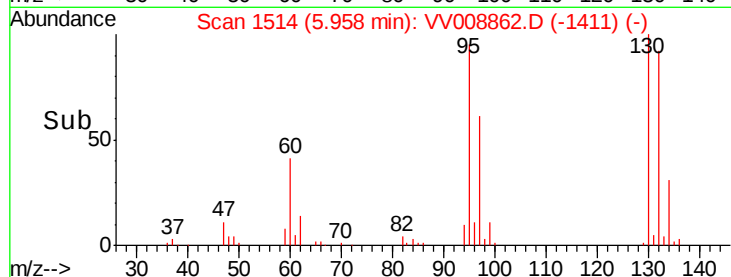


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): VV0

Ion 130.00 (129.70 to 130.70): VV0



#36

Methylcyclohexane

Concen: 23.120 ug/L

RT: 6.18 min Scan# 1582

Delta R.T. 0.00 min

Lab File: VV008862.D

Acq: 06 Dec 2018 16:38

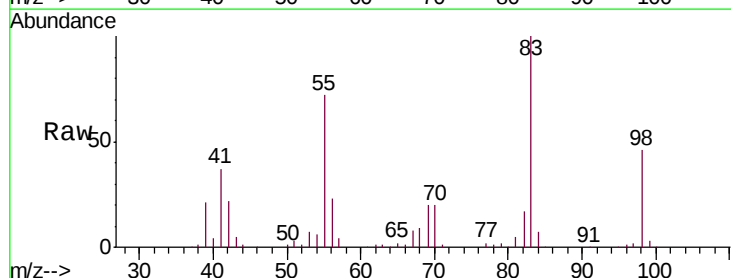
Tgt Ion: 83 Resp: 121838

Ion Ratio Lower Upper

83 100

55 71.9 58.2 87.2

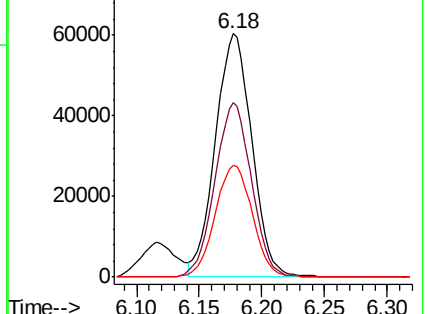
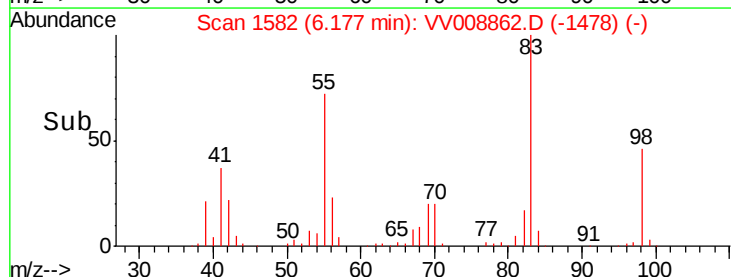
98 47.1 37.8 56.8

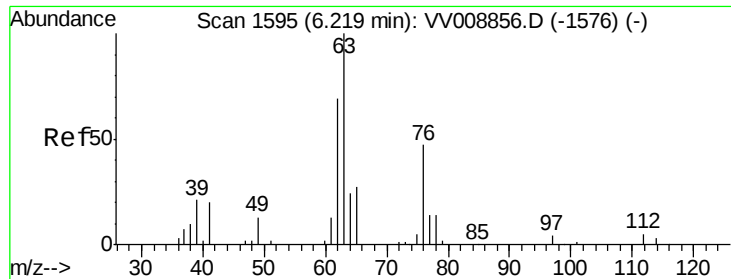


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

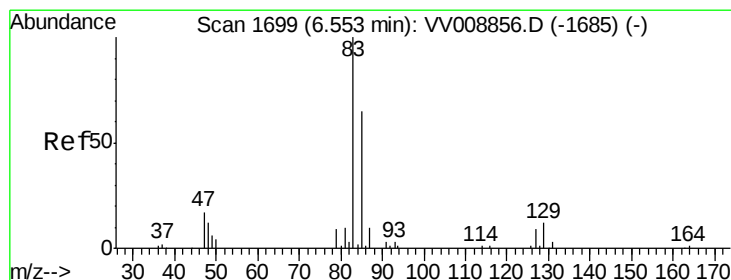
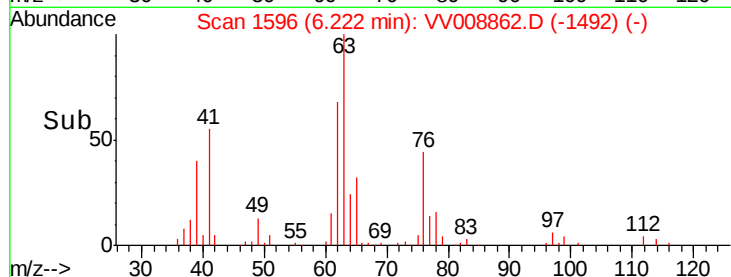
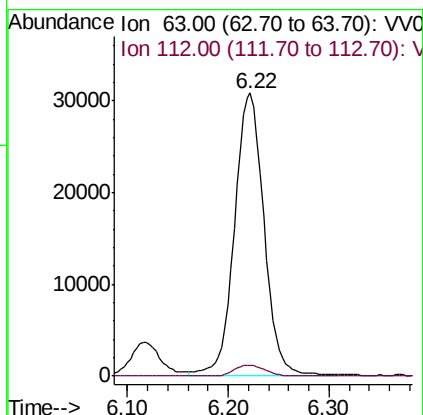
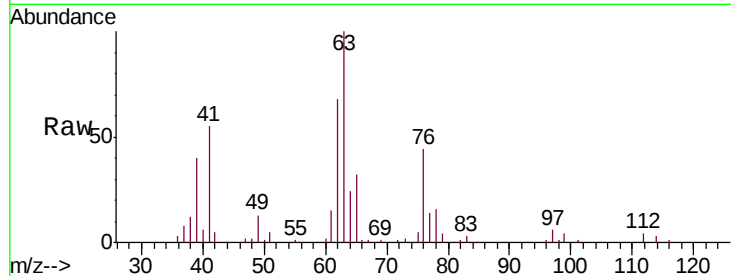




#40
 1,2-Dichloropropane
 Concen: 23.942 ug/L
 RT: 6.22 min Scan# 1596
 Delta R.T. 0.00 min
 Lab File: VV008862.D
 Acq: 06 Dec 2018 16:38

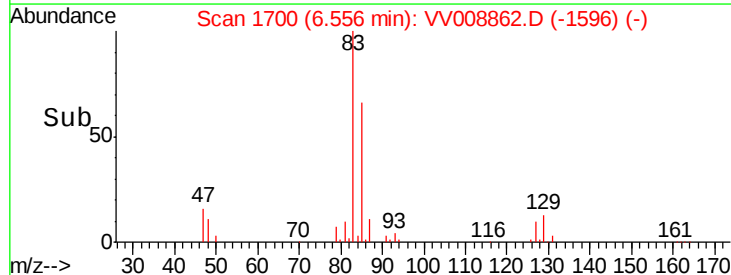
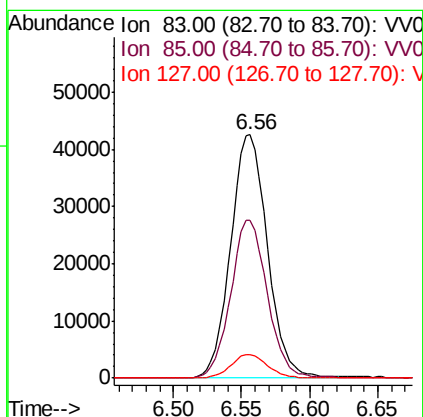
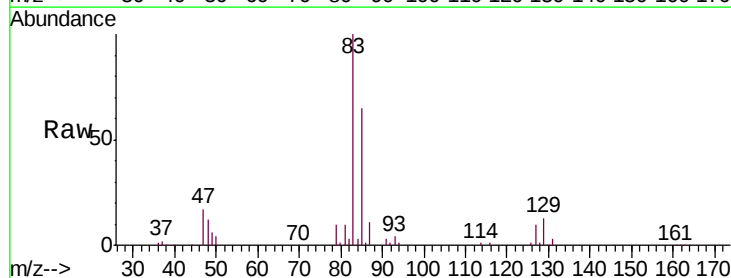
Instrument :
 MSVOA_V
 ClientSampleId :
 VICV68

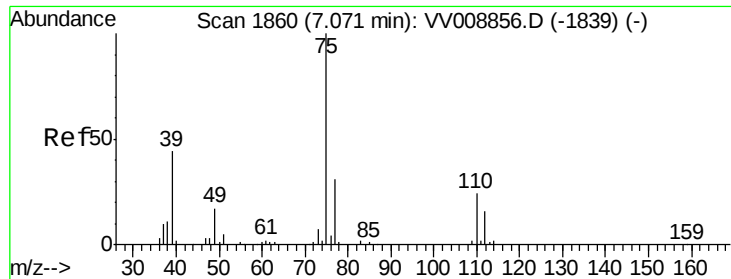
Tgt Ion: 63 Resp: 62977
 Ion Ratio Lower Upper
 63 100
 112 4.1 3.8 5.8



#41
 Bromodichloromethane
 Concen: 23.055 ug/L
 RT: 6.56 min Scan# 1700
 Delta R.T. 0.00 min
 Lab File: VV008862.D
 Acq: 06 Dec 2018 16:38

Tgt Ion: 83 Resp: 79931
 Ion Ratio Lower Upper
 83 100
 85 64.8 45.3 84.1
 127 9.7 7.2 10.8

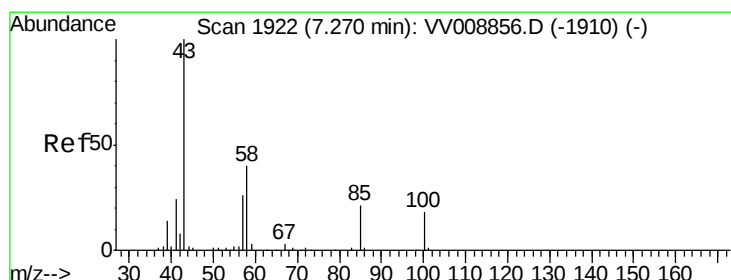
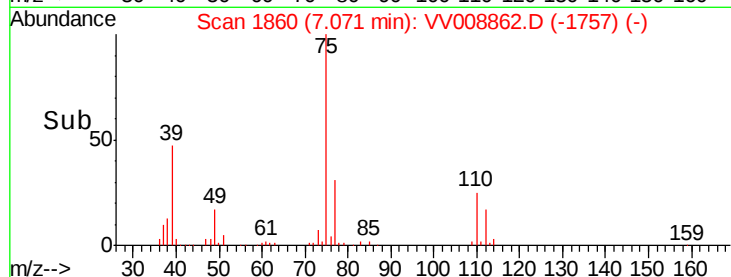
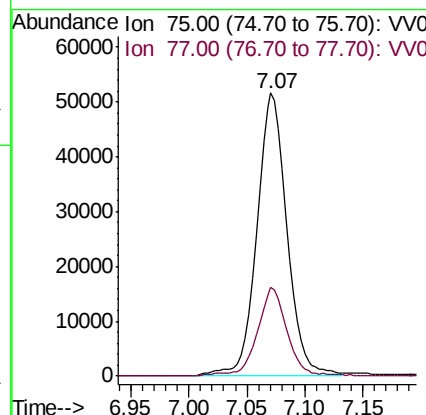
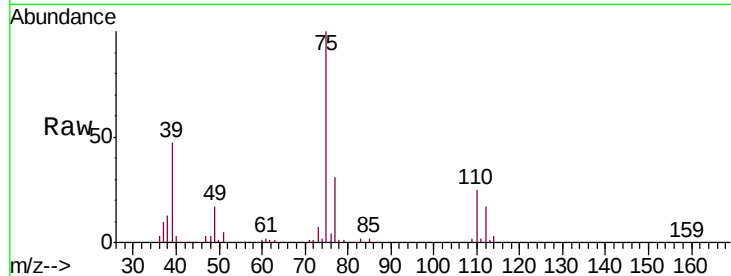




#42
 cis-1,3-Dichloropropene
 Concen: 24.399 ug/L
 RT: 7.07 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VV008862.D
 Acq: 06 Dec 2018 16:38

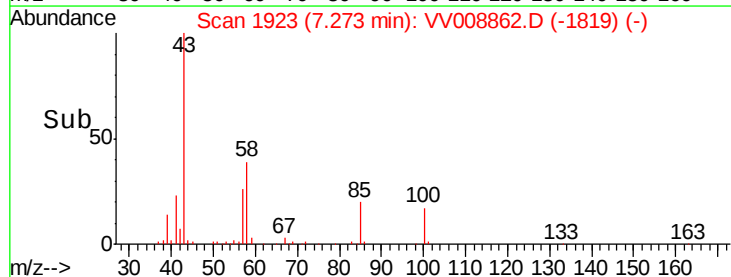
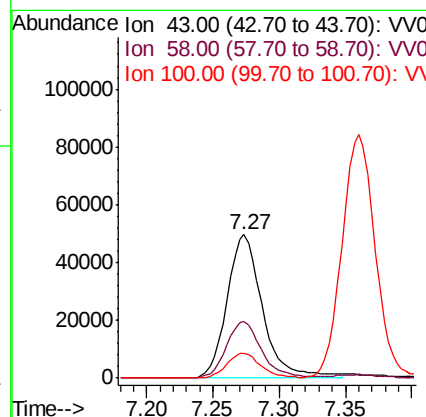
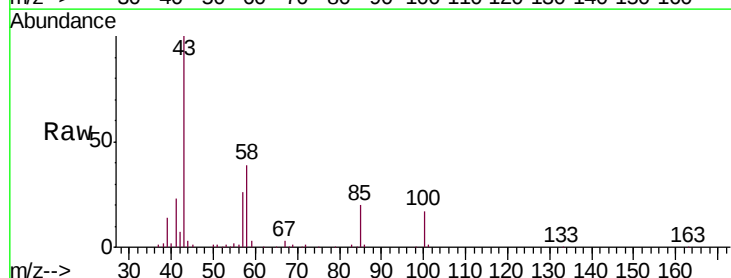
Instrument :
 MSVOA_V
 ClientSampleId :
 VICV68

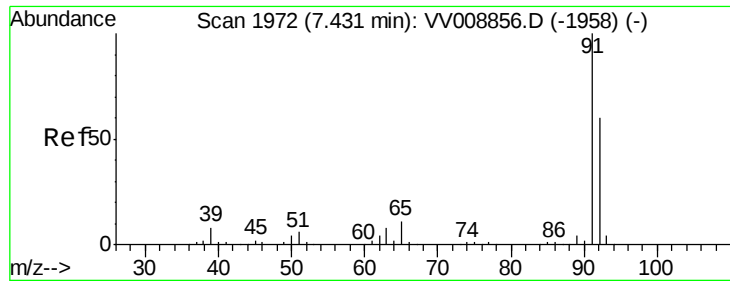
Tgt Ion: 75 Resp: 93965
 Ion Ratio Lower Upper
 75 100
 77 31.2 21.3 39.6



#43
 4-Methyl-2-pentanone
 Concen: 52.067 ug/L
 RT: 7.27 min Scan# 1923
 Delta R.T. 0.00 min
 Lab File: VV008862.D
 Acq: 06 Dec 2018 16:38

Tgt Ion: 43 Resp: 92571
 Ion Ratio Lower Upper
 43 100
 58 38.8 32.2 48.4
 100 16.7 13.8 20.8





#44

Toluene

Concen: 23.328 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV008862.D

Acq: 06 Dec 2018 16:38

Instrument :

MSVOA_V

ClientSampleId :

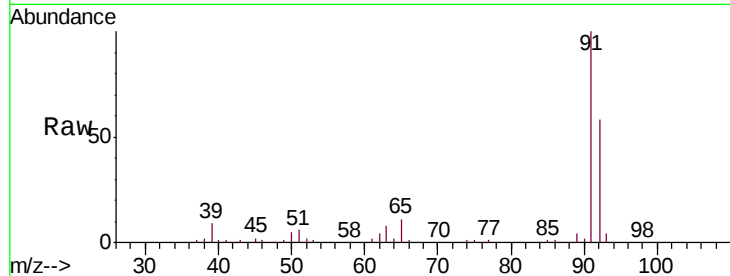
VICV68

Tgt Ion: 91 Resp: 268139

Ion Ratio Lower Upper

91 100

92 58.3 41.7 77.5



Abundance Ion 91.00 (90.70 to 91.70): VV008856.D (-1958) (-)

Ion 92.00 (91.70 to 92.70): VV008862.D (-1869) (-)

7.43

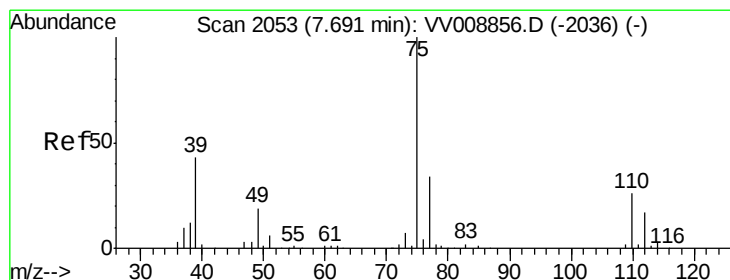
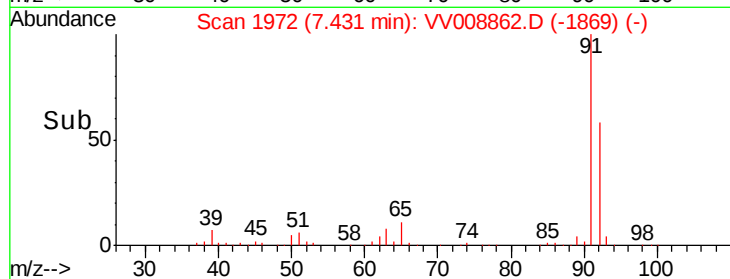
150000

100000

50000

0

Time-->



#45

trans-1,3-Dichloropropene

Concen: 24.303 ug/L

RT: 7.69 min Scan# 2054

Delta R.T. 0.00 min

Lab File: VV008862.D

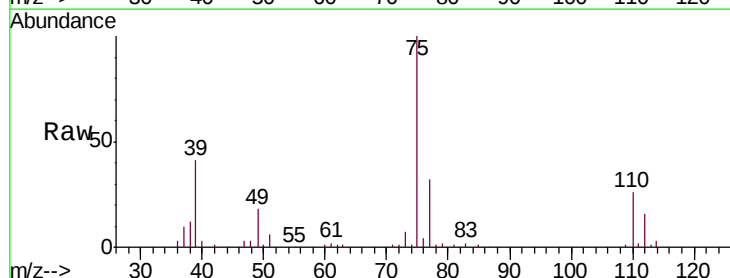
Acq: 06 Dec 2018 16:38

Tgt Ion: 75 Resp: 81588

Ion Ratio Lower Upper

75 100

77 32.3 23.6 43.8



Abundance Ion 75.00 (74.70 to 75.70): VV008856.D (-2036) (-)

Ion 77.00 (76.70 to 77.70): VV008862.D (-1950) (-)

7.69

50000

40000

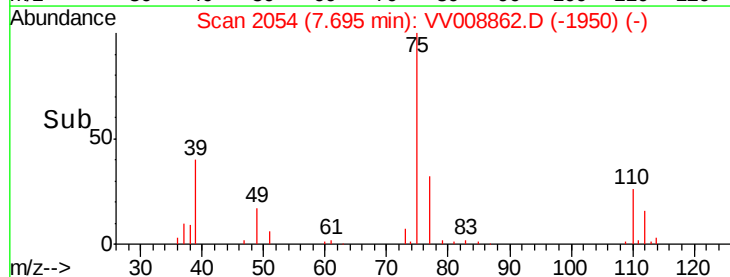
30000

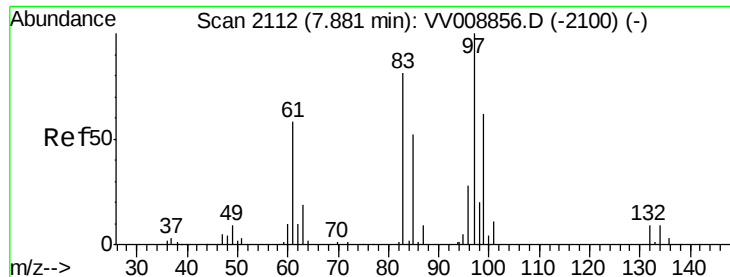
20000

10000

0

Time-->

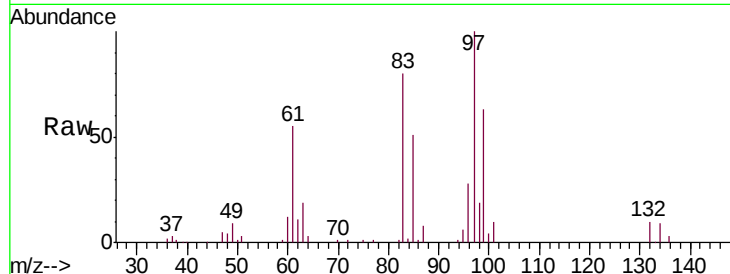




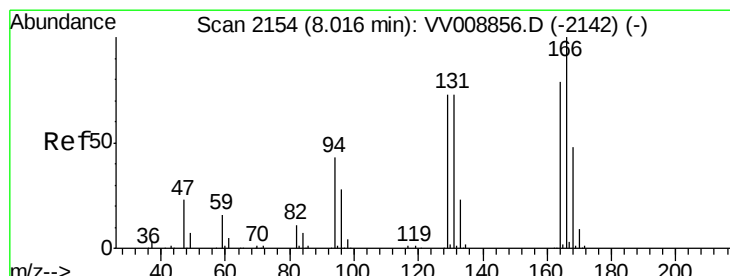
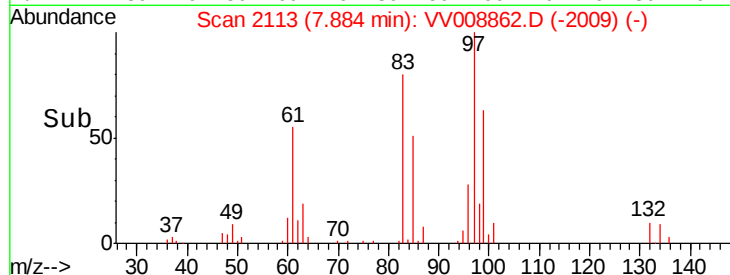
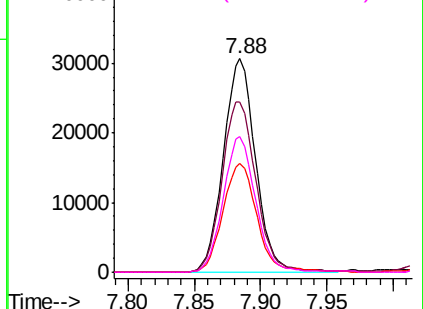
#46
 1,1,2-Trichloroethane
 Concen: 23.640 ug/L
 RT: 7.88 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VV008862.D
 Acq: 06 Dec 2018 16:38

Instrument :
 MSVOA_V
 ClientSampleId :
 VICV68

Tgt Ion: 97 Resp: 51813
 Ion Ratio Lower Upper
 97 100
 83 79.7 56.6 105.2
 85 51.1 36.6 68.0
 99 63.5 43.2 80.2

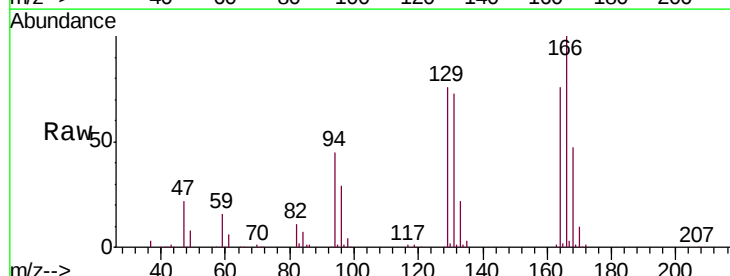


Abundance Ion 97.00 (96.70 to 97.70): VV0
 Ion 83.00 (82.70 to 83.70): VV0
 Ion 85.00 (84.70 to 85.70): VV0
 Ion 99.00 (98.70 to 99.70): VV0

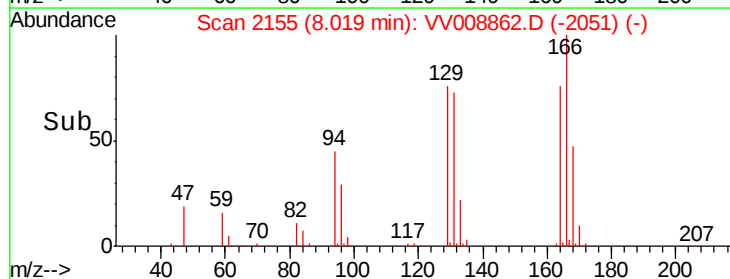
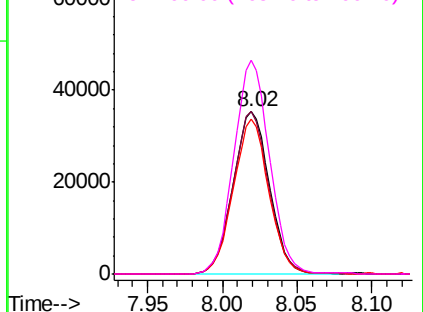


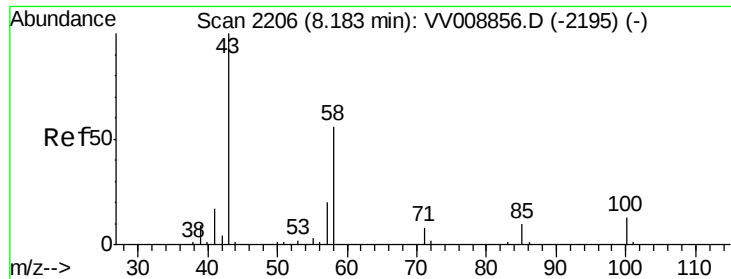
#47
 Tetrachloroethene
 Concen: 22.318 ug/L
 RT: 8.02 min Scan# 2155
 Delta R.T. 0.00 min
 Lab File: VV008862.D
 Acq: 06 Dec 2018 16:38

Tgt Ion: 164 Resp: 59972
 Ion Ratio Lower Upper
 164 100
 129 100.1 64.6 120.0
 131 95.7 64.5 119.7
 166 131.8 88.7 164.7



Abundance Ion 164.00 (163.70 to 164.70): V
 Ion 129.00 (128.70 to 129.70): V
 Ion 131.00 (130.70 to 131.70): V
 Ion 166.00 (165.70 to 166.70): V

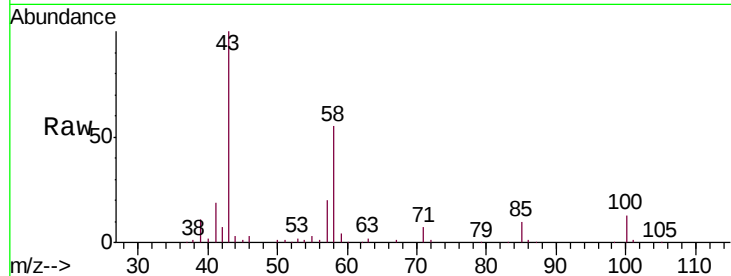




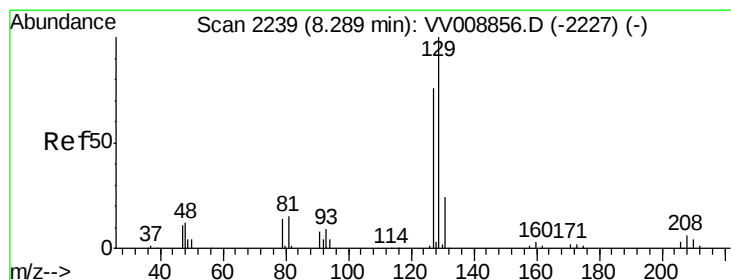
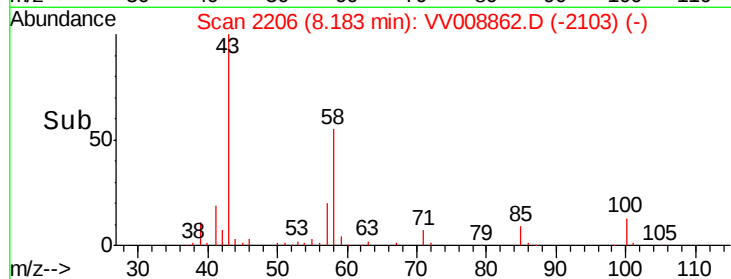
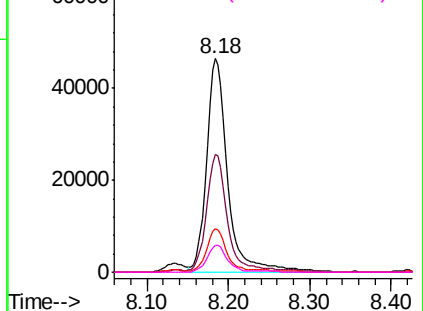
#49
2-Hexanone
Concen: 57.821 ug/L
RT: 8.18 min Scan# 2206
Delta R.T. 0.00 min
Lab File: VV008862.D
Acq: 06 Dec 2018 16:38

Instrument :
MSVOA_V
ClientSampleId :
VICV68

Tgt Ion: 43 Resp: 85048
Ion Ratio Lower Upper
43 100
58 51.3 43.9 65.9
57 18.0 15.7 23.5
100 12.0 11.0 16.4

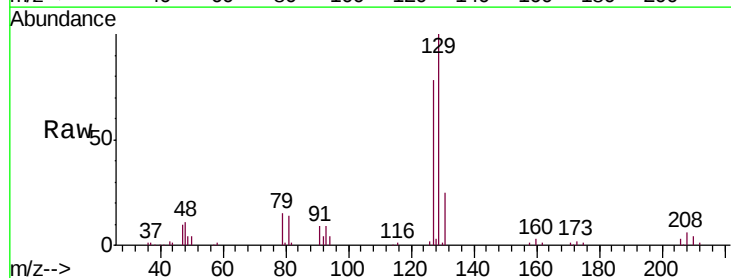


Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 58.00 (57.70 to 58.70): VV0
Ion 57.00 (56.70 to 57.70): VV0
Ion 100.00 (99.70 to 100.70): VV0

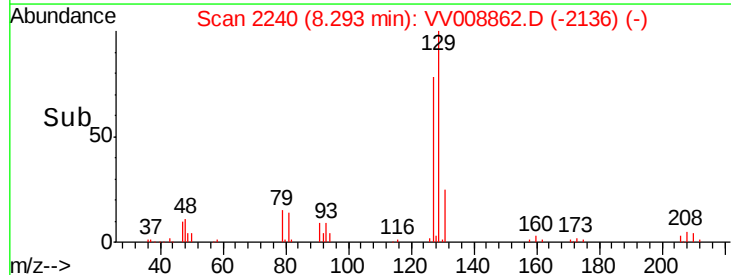
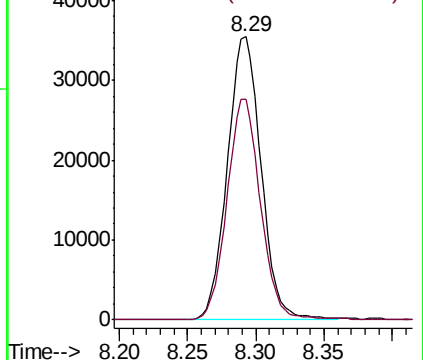


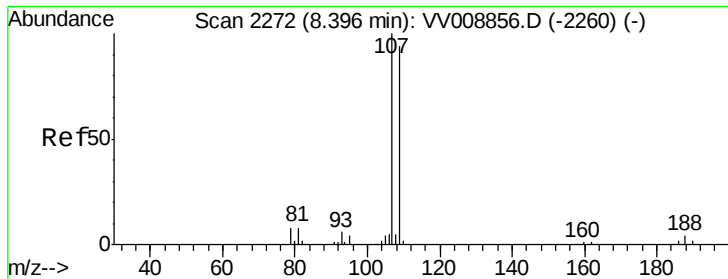
#50
Dibromochloromethane
Concen: 24.263 ug/L
RT: 8.29 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VV008862.D
Acq: 06 Dec 2018 16:38

Tgt Ion: 129 Resp: 60957
Ion Ratio Lower Upper
129 100
127 78.0 53.5 99.3



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





#51

1,2-Dibromoethane

Concen: 24.038 ug/L

RT: 8.40 min Scan# 2273

Delta R.T. 0.00 min

Lab File: VV008862.D

Acq: 06 Dec 2018 16:38

Instrument :

MSVOA_V

ClientSampleId :

VICV68

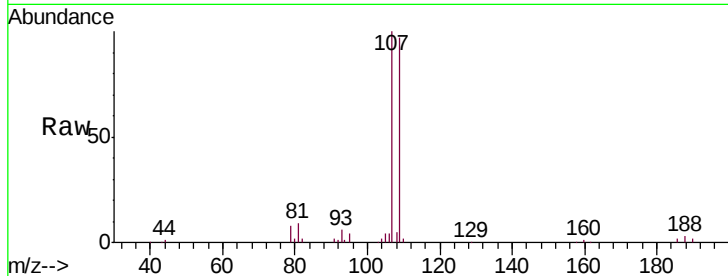
Tgt Ion:107 Resp: 52907

Ion Ratio Lower Upper

107 100

109 97.4 65.8 122.2

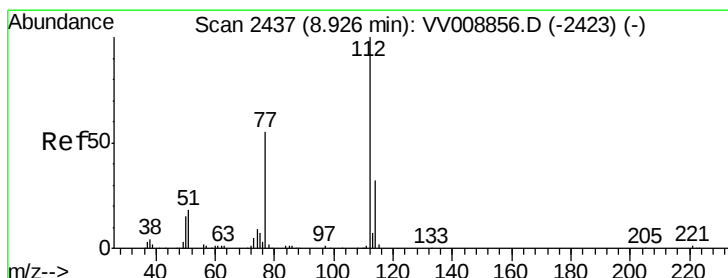
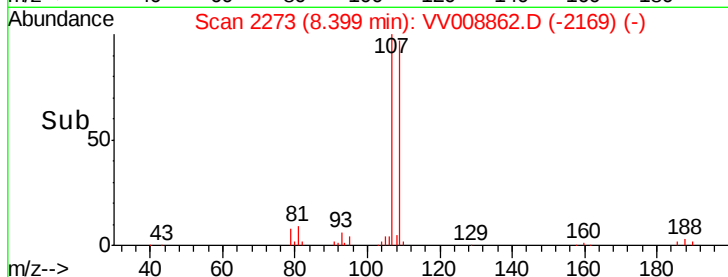
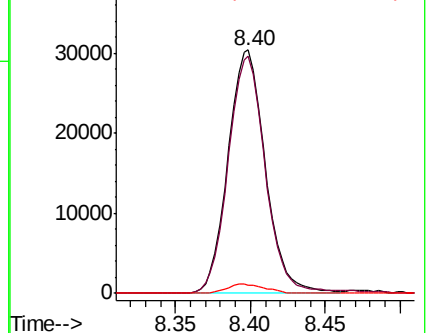
188 3.4 3.0 4.6



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V



#52

Chlorobenzene

Concen: 23.440 ug/L

RT: 8.93 min Scan# 2437

Delta R.T. 0.00 min

Lab File: VV008862.D

Acq: 06 Dec 2018 16:38

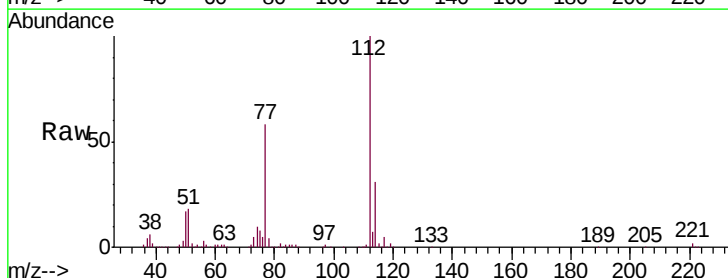
Tgt Ion:112 Resp: 175429

Ion Ratio Lower Upper

112 100

77 57.6 44.6 66.8

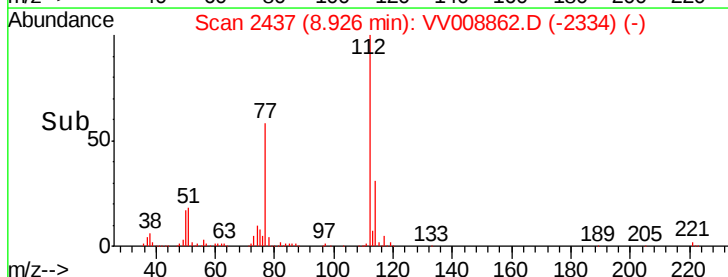
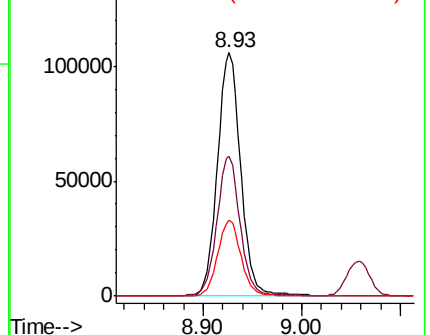
114 31.2 22.6 42.0

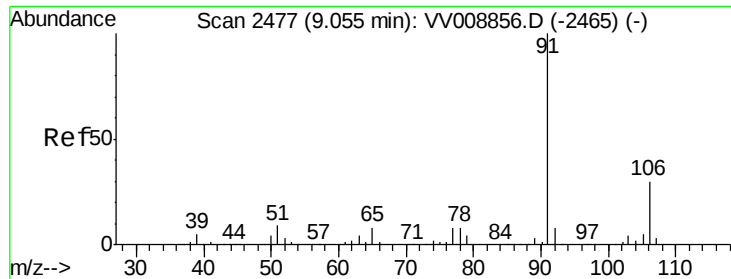


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 77.00 (76.70 to 77.70): VV0

Ion 114.00 (113.70 to 114.70): V





#53

Ethylbenzene

Concen: 23.601 ug/L

RT: 9.06 min Scan# 2478

Delta R.T. 0.00 min

Lab File: VV008862.D

Acq: 06 Dec 2018 16:38

Instrument :

MSVOA_V

ClientSampleId :

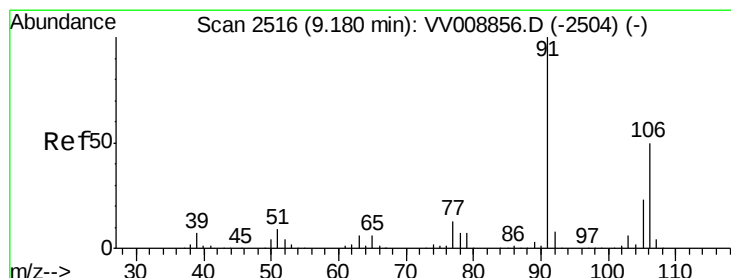
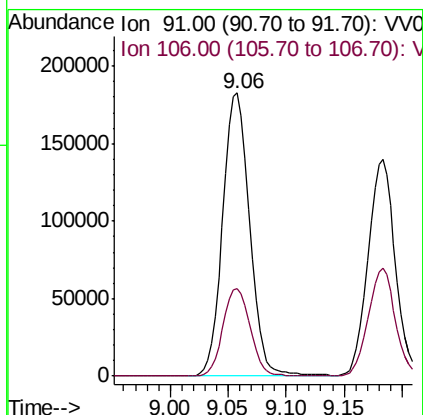
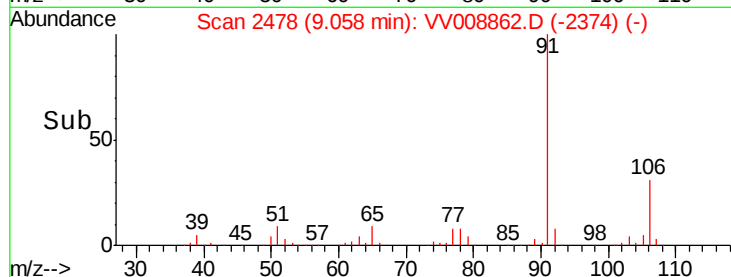
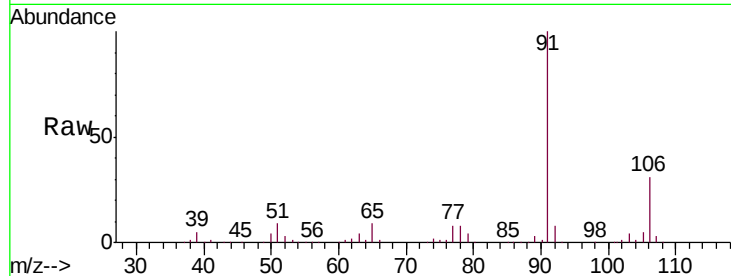
VICV68

Tgt Ion: 91 Resp: 294287

Ion Ratio Lower Upper

91 100

106 31.1 21.3 39.5



#54

m,p-Xylene

Concen: 23.677 ug/L

RT: 9.18 min Scan# 2517

Delta R.T. 0.00 min

Lab File: VV008862.D

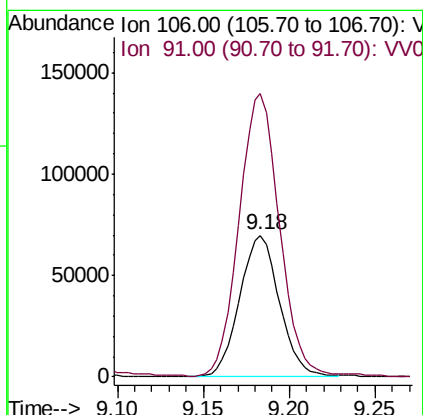
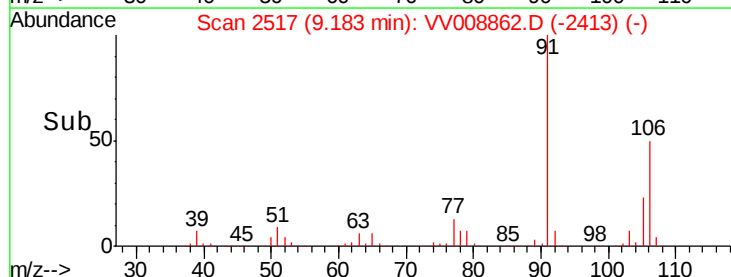
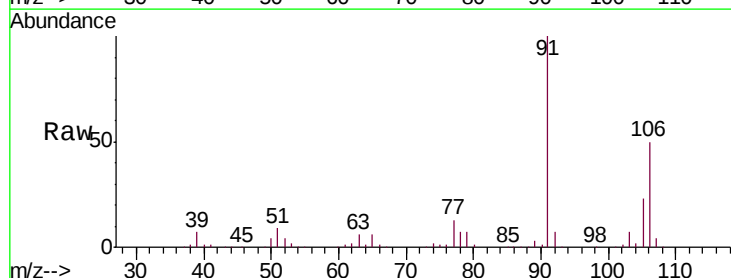
Acq: 06 Dec 2018 16:38

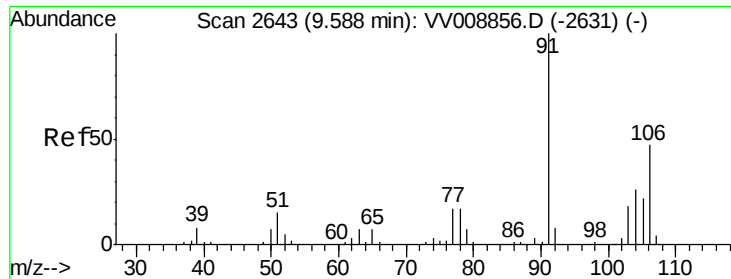
Tgt Ion: 106 Resp: 111788

Ion Ratio Lower Upper

106 100

91 199.5 141.3 262.3

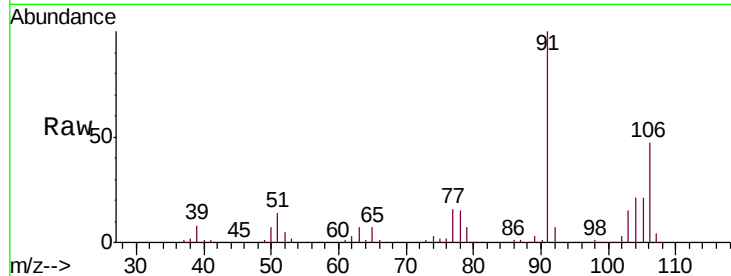




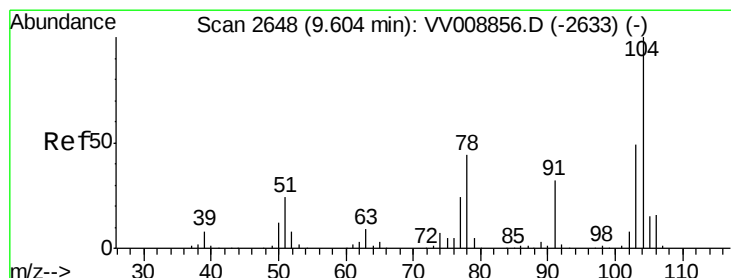
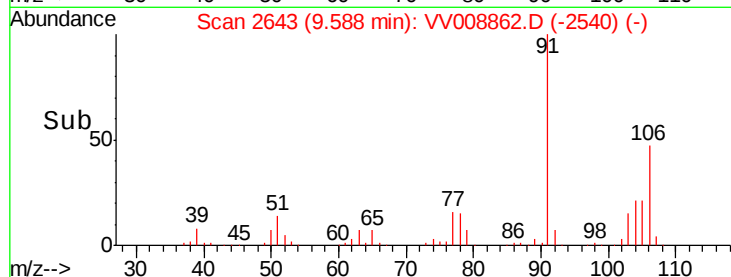
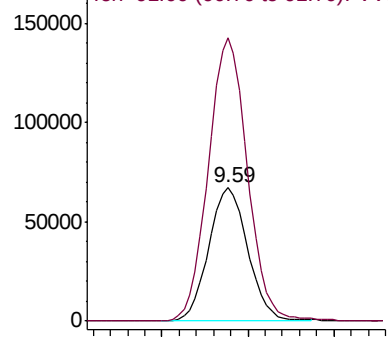
#55
o-xylene
Concen: 24.186 ug/L
RT: 9.59 min Scan# 2643
Delta R.T. 0.00 min
Lab File: VV008862.D
Acq: 06 Dec 2018 16:38

Instrument :
MSVOA_V
ClientSampled :
VICV68

Tgt Ion:106 Resp: 106097
Ion Ratio Lower Upper
106 100
91 212.6 148.3 275.5

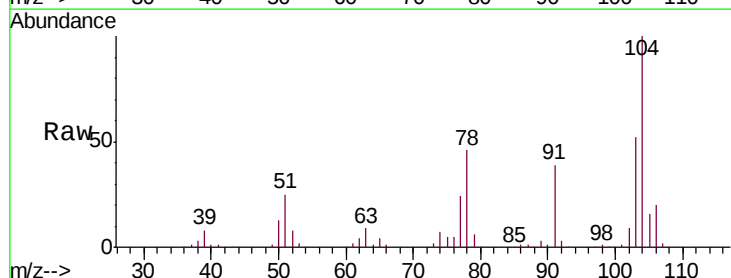


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0

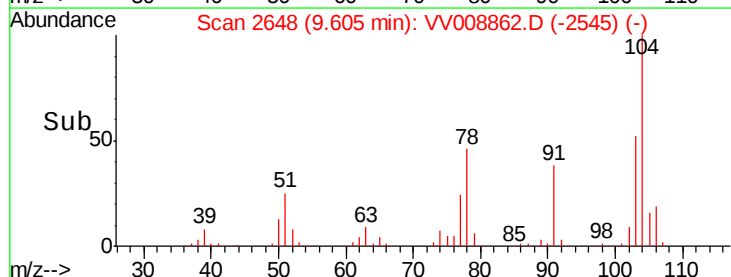
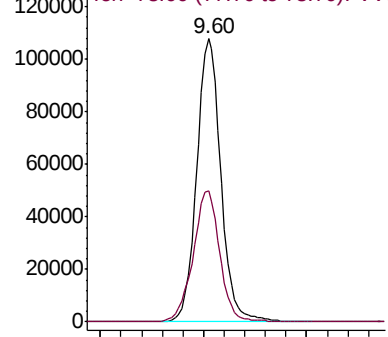


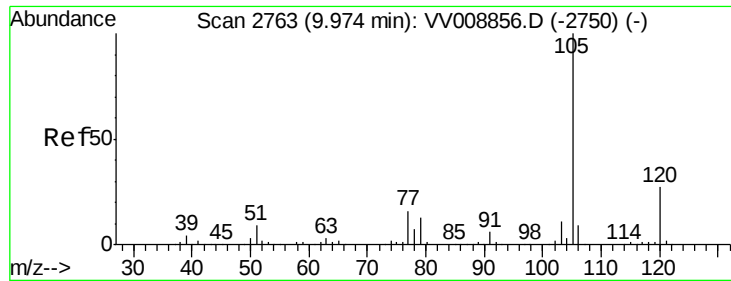
#56
Styrene
Concen: 24.804 ug/L
RT: 9.60 min Scan# 2648
Delta R.T. 0.00 min
Lab File: VV008862.D
Acq: 06 Dec 2018 16:38

Tgt Ion:104 Resp: 175527
Ion Ratio Lower Upper
104 100
78 46.1 30.6 56.8



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





#57

Isopropylbenzene

Concen: 24.042 ug/L

RT: 9.98 min Scan# 2764

Delta R.T. 0.00 min

Lab File: VV008862.D

Acq: 06 Dec 2018 16:38

Instrument :

MSVOA_V

ClientSampleId :

VICV68

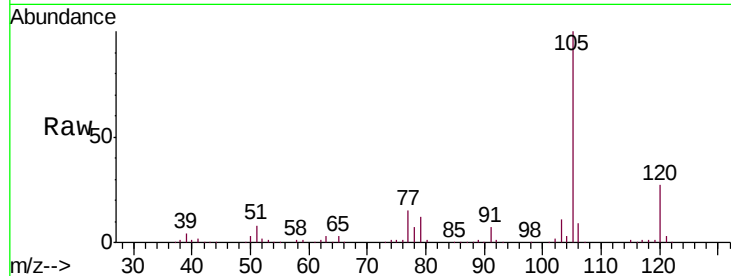
Tgt Ion: 105 Resp: 286649

Ion Ratio Lower Upper

105 100

120 27.4 21.7 32.5

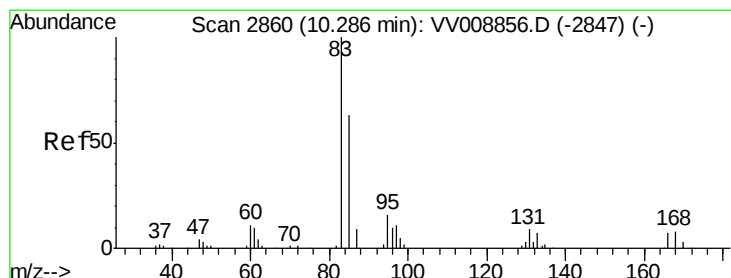
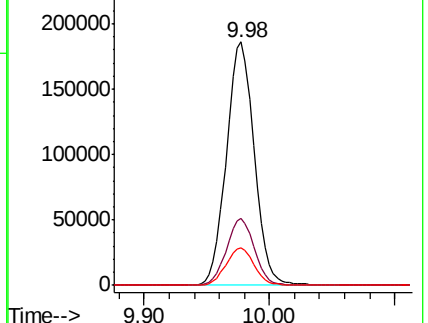
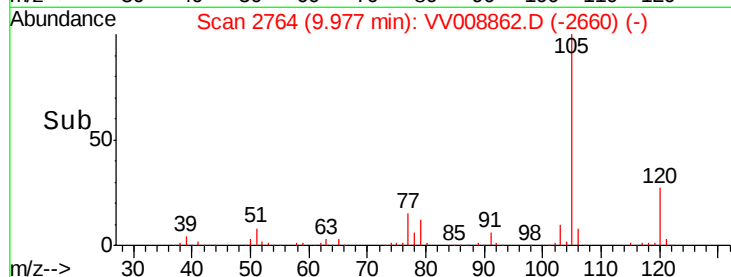
77 15.4 12.4 18.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 25.353 ug/L

RT: 10.29 min Scan# 2861

Delta R.T. 0.00 min

Lab File: VV008862.D

Acq: 06 Dec 2018 16:38

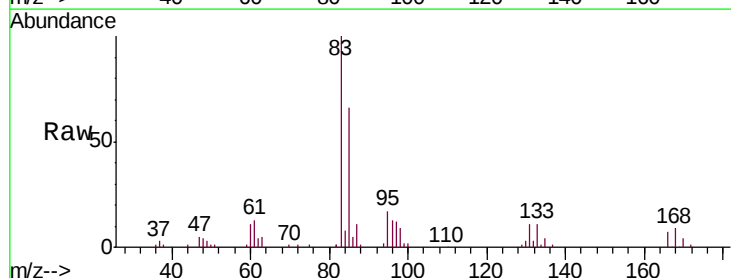
Tgt Ion: 83 Resp: 60072

Ion Ratio Lower Upper

83 100

85 66.0 44.3 82.3

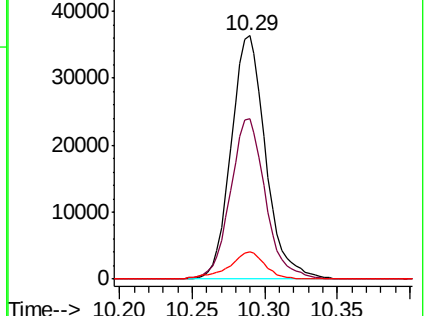
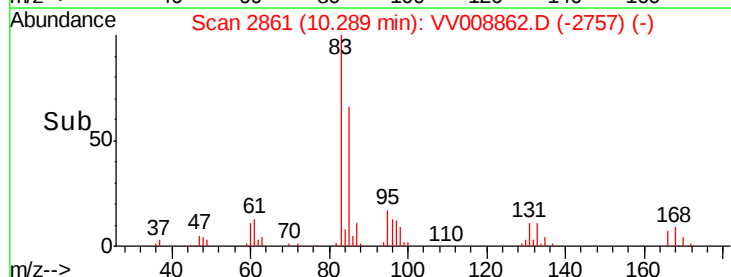
131 11.1 7.8 11.8

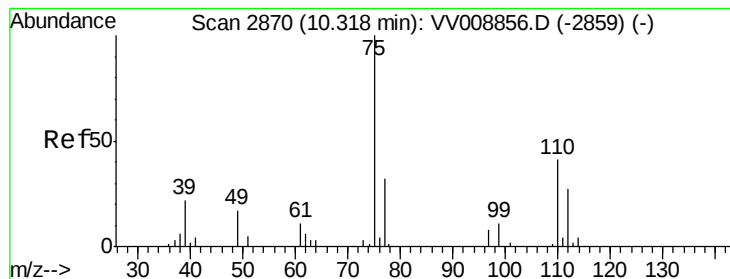


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 25.228 ug/L

RT: 10.32 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VV008862.D

Acq: 06 Dec 2018 16:38

Instrument :

MSVOA_V

ClientSampleId :

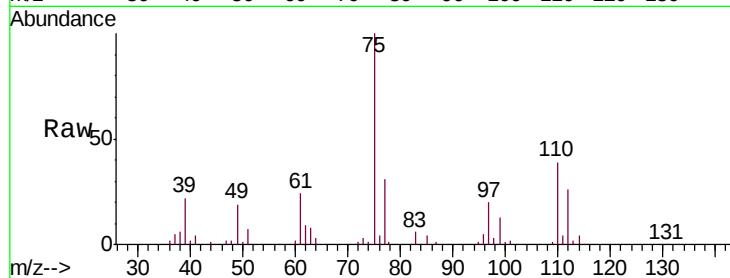
VICV68

Tgt Ion: 75 Resp: 51722

Ion Ratio Lower Upper

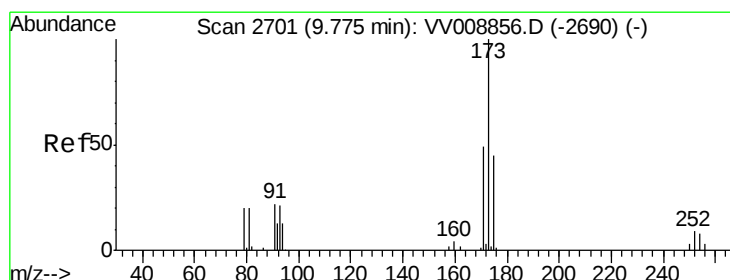
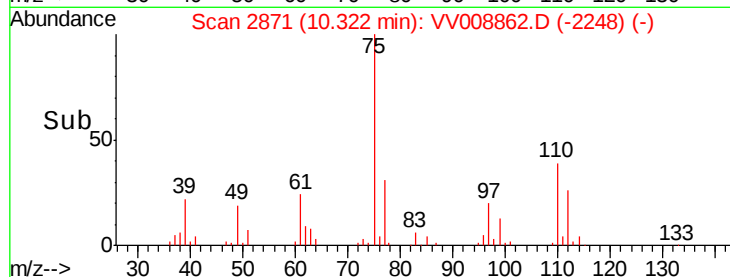
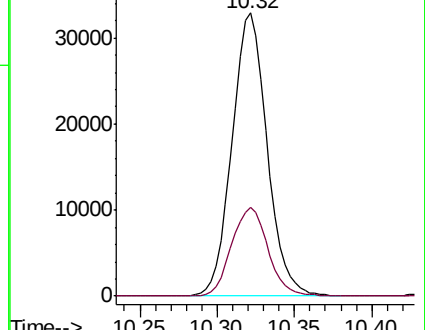
75 100

77 32.5 25.6 38.4



Abundance Ion 75.00 (74.70 to 75.70): VV008856.D (-2859) (-)

Ion 77.00 (76.70 to 77.70): VV008856.D (-2859) (-)



#62

Bromoform

Concen: 23.475 ug/L

RT: 9.78 min Scan# 2702

Delta R.T. 0.00 min

Lab File: VV008862.D

Acq: 06 Dec 2018 16:38

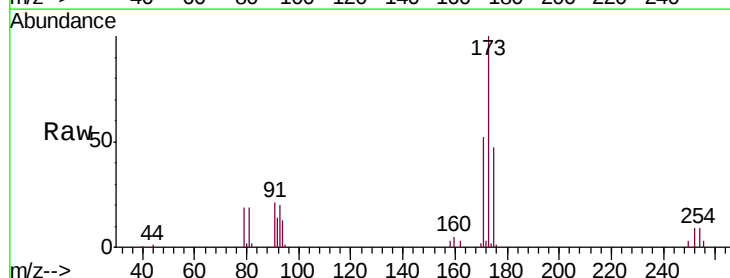
Tgt Ion: 173 Resp: 36783

Ion Ratio Lower Upper

173 100

175 49.4 37.7 56.5

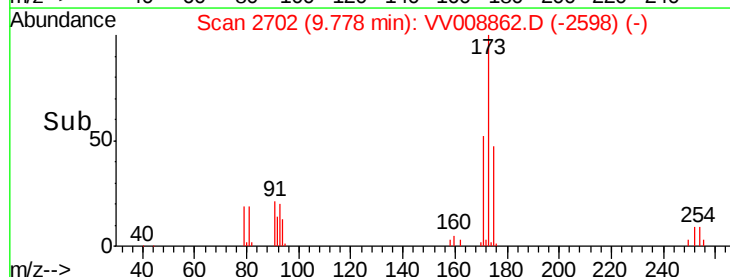
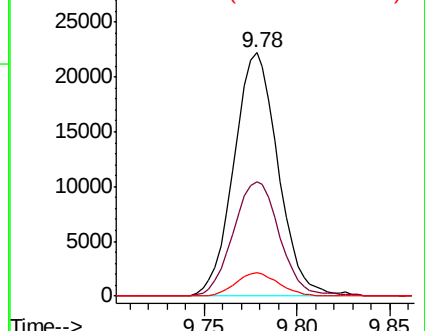
254 9.2 7.1 10.7

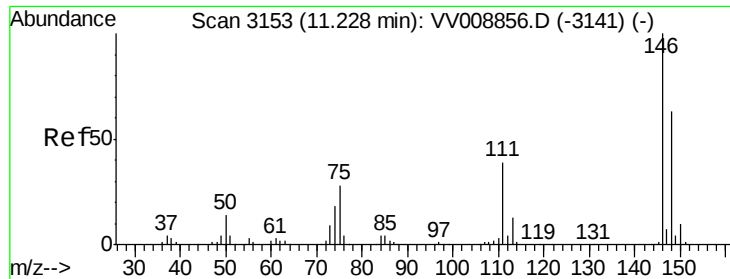


Abundance Ion 173.00 (172.70 to 173.70): VV008856.D (-2690) (-)

Ion 175.00 (174.70 to 175.70): VV008856.D (-2690) (-)

Ion 254.00 (253.70 to 254.70): VV008856.D (-2690) (-)

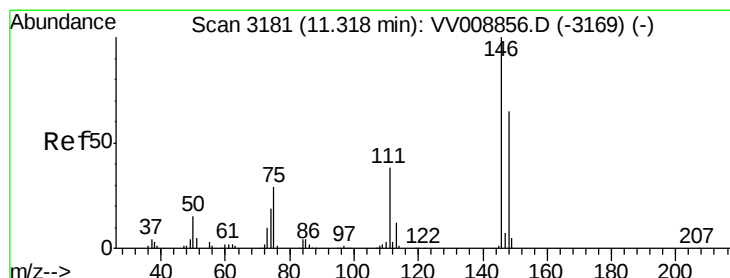
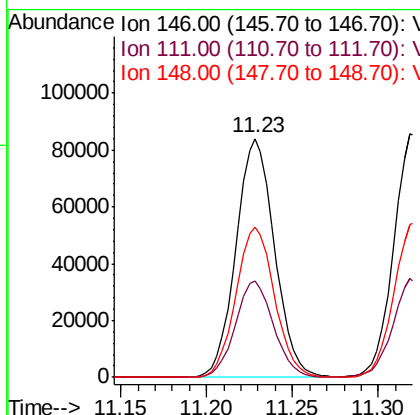
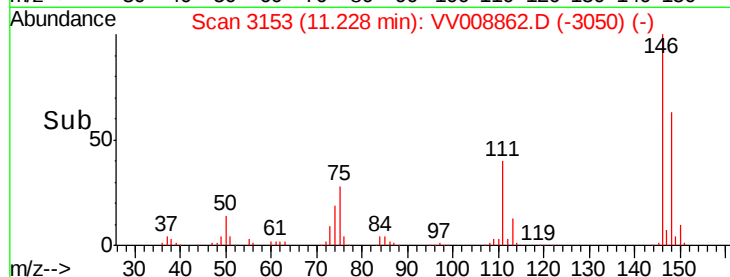
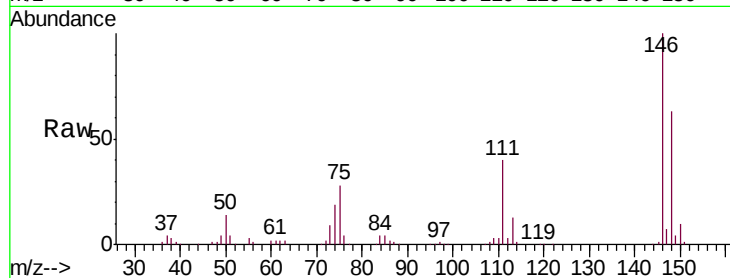




#63
 1,3-Dichlorobenzene
 Concen: 23.428 ug/L
 RT: 11.23 min Scan# 3153
 Delta R.T. 0.00 min
 Lab File: VV008862.D
 Acq: 06 Dec 2018 16:38

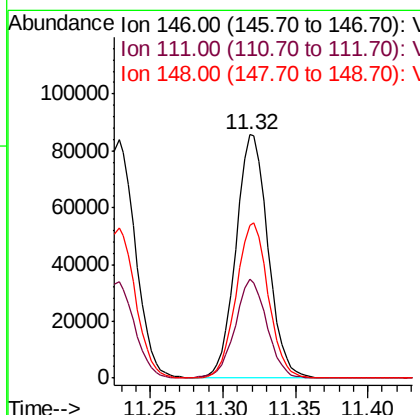
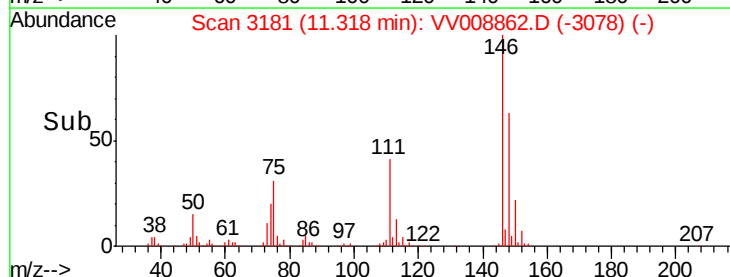
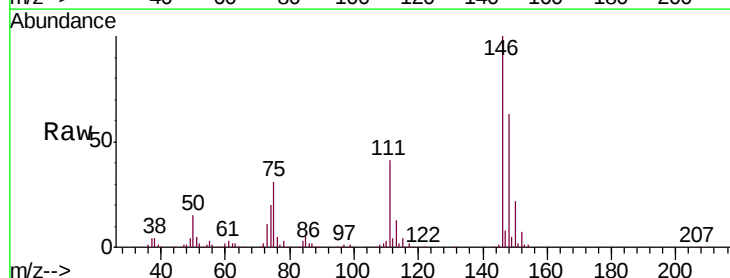
Instrument :
 MSVOA_V
 ClientSampleId :
 VICV68

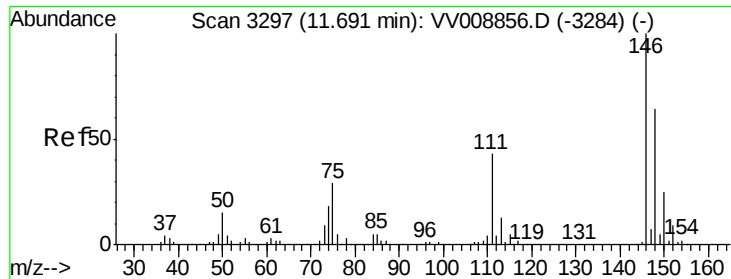
Tgt Ion:146 Resp: 131017
 Ion Ratio Lower Upper
 146 100
 111 40.3 27.5 51.1
 148 63.0 44.0 81.8



#64
 1,4-Dichlorobenzene
 Concen: 22.946 ug/L
 RT: 11.32 min Scan# 3181
 Delta R.T. 0.00 min
 Lab File: VV008862.D
 Acq: 06 Dec 2018 16:38

Tgt Ion:146 Resp: 132045
 Ion Ratio Lower Upper
 146 100
 111 40.5 26.8 49.8
 148 62.6 45.8 85.0





#65

1,2-Dichlorobenzene

Concen: 23.885 ug/L

RT: 11.69 min Scan# 3297

Delta R.T. 0.00 min

Lab File: VV008862.D

Acq: 06 Dec 2018 16:38

Instrument :

MSVOA_V

ClientSampleId :

VICV68

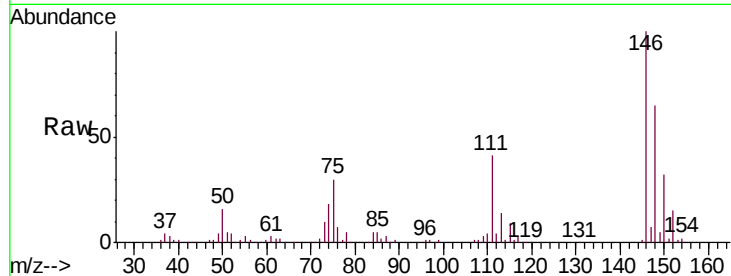
Tgt Ion: 146 Resp: 123137

Ion Ratio Lower Upper

146 100

111 41.3 34.2 51.4

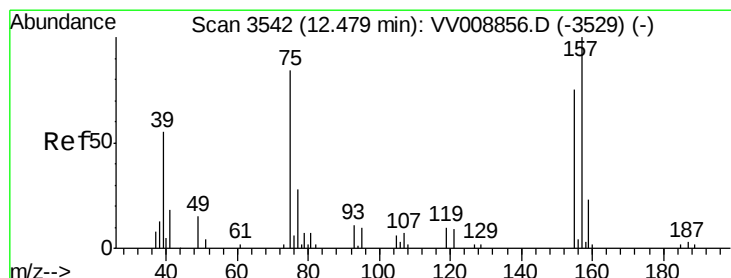
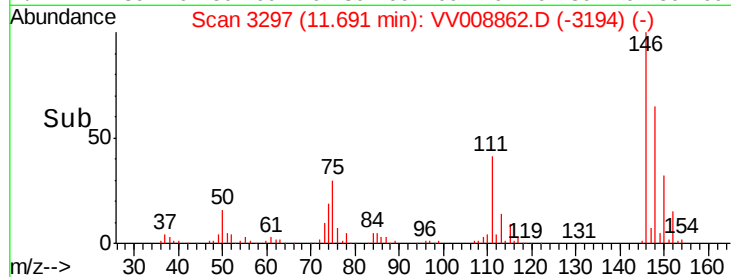
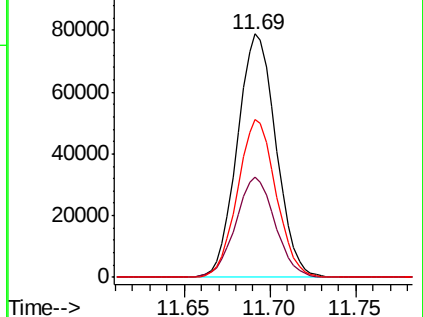
148 64.6 51.0 76.6



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 25.040 ug/L

RT: 12.48 min Scan# 3542

Delta R.T. 0.00 min

Lab File: VV008862.D

Acq: 06 Dec 2018 16:38

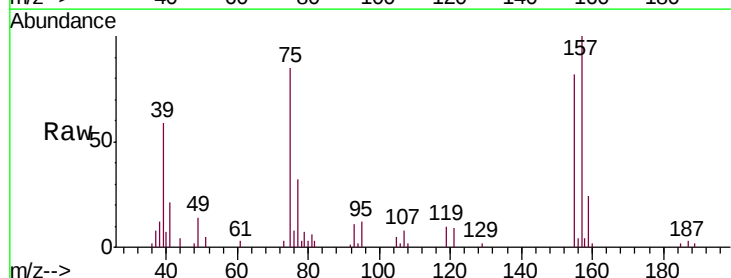
Tgt Ion: 75 Resp: 10576

Ion Ratio Lower Upper

75 100

157 117.1 95.8 143.6

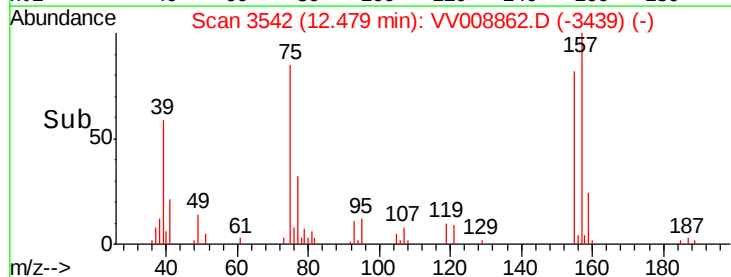
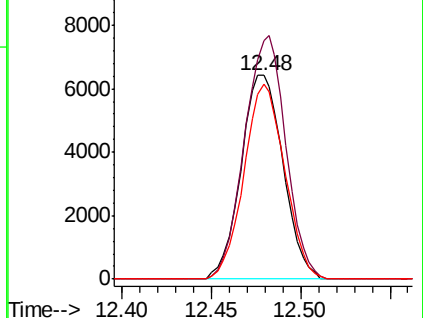
155 95.6 71.4 107.2

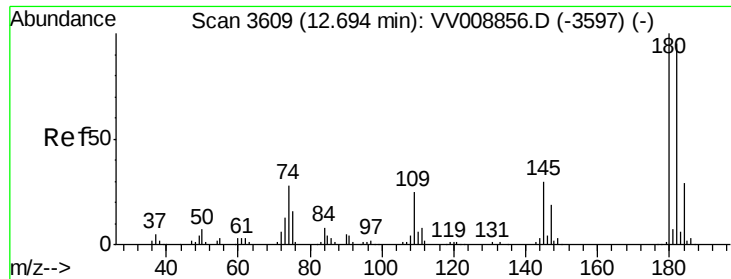


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

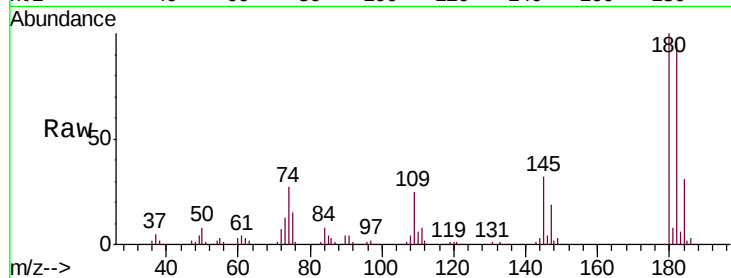




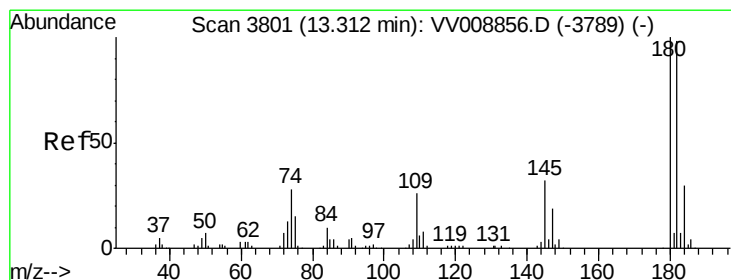
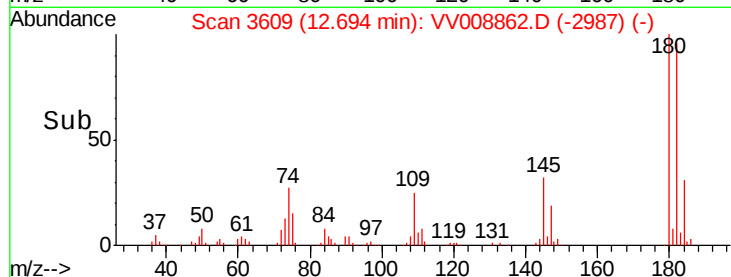
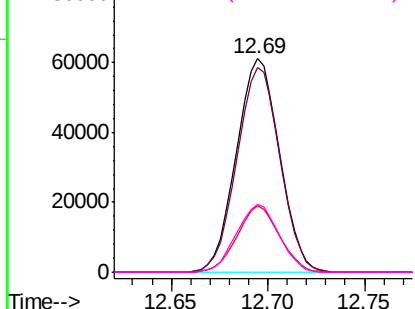
#67
 1,3,5-Trichlorobenzene
 Concen: 23.506 ug/L
 RT: 12.69 min Scan# 3609
 Delta R.T. 0.00 min
 Lab File: VV008862.D
 Acq: 06 Dec 2018 16:38

Instrument :
 MSVOA_V
 ClientSampleId :
 VICV68

Tgt Ion:180 Resp: 94947
 Ion Ratio Lower Upper
 180 100
 182 95.7 75.9 113.9
 184 30.4 23.8 35.6
 145 31.5 24.2 36.4

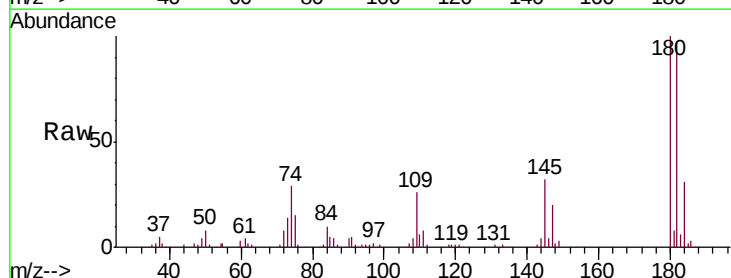


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

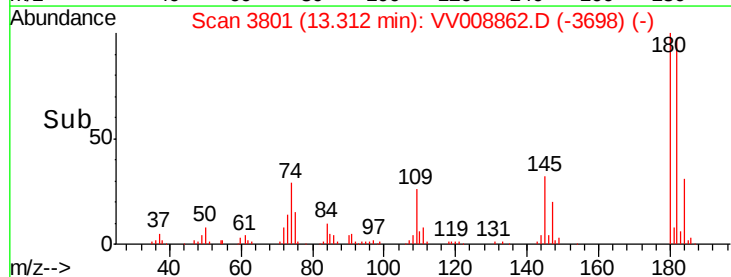
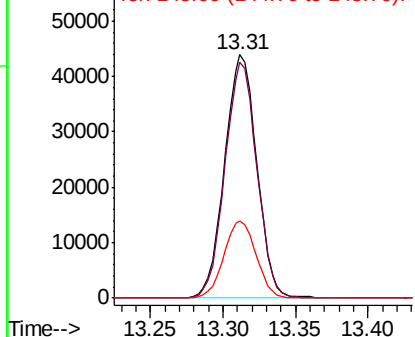


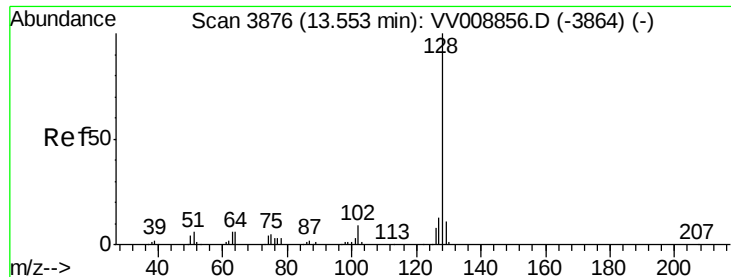
#68
 1,2,4-trichlorobenzene
 Concen: 23.921 ug/L
 RT: 13.31 min Scan# 3801
 Delta R.T. 0.00 min
 Lab File: VV008862.D
 Acq: 06 Dec 2018 16:38

Tgt Ion:180 Resp: 67700
 Ion Ratio Lower Upper
 180 100
 182 95.8 77.4 116.0
 145 31.5 25.6 38.4



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





#69

Naphthalene

Concen: 24.040 ug/L

RT: 13.55 min Scan# 3876

Delta R.T. 0.00 min

Lab File: VV008862.D

Acq: 06 Dec 2018 16:38

Instrument :

MSVOA_V

ClientSampleId :

VICV68

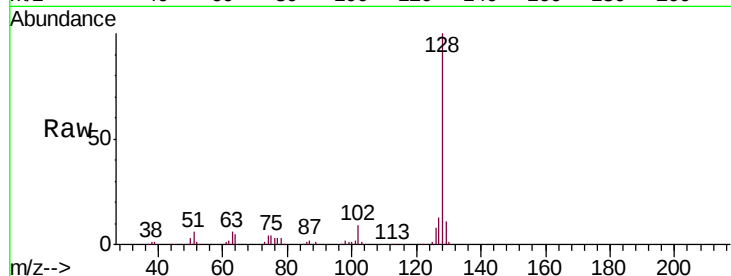
Tgt Ion:128 Resp: 117187

Ion Ratio Lower Upper

128 100

129 10.6 8.6 13.0

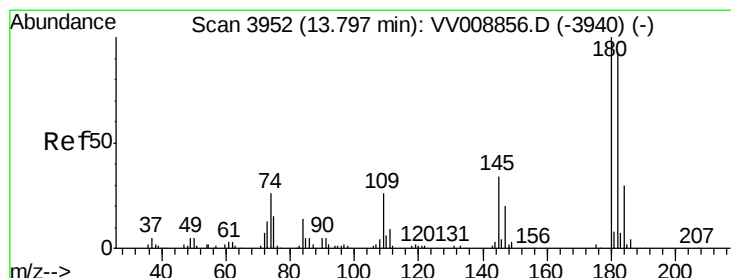
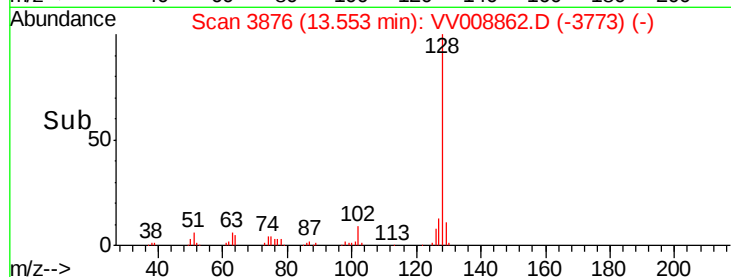
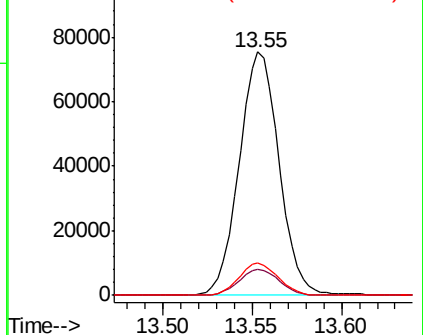
127 13.1 10.0 15.0



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: 24.040 ug/L

RT: 13.79 min Scan# 3951

Delta R.T. -0.00 min

Lab File: VV008862.D

Acq: 06 Dec 2018 16:38

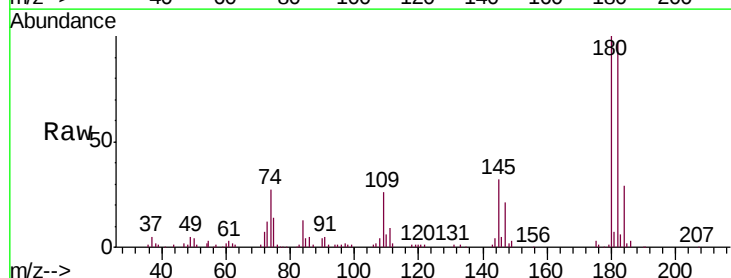
Tgt Ion:180 Resp: 62853

Ion Ratio Lower Upper

180 100

182 97.5 76.1 114.1

145 32.6 26.7 40.1



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

