

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV111818\
 Data File : VV008638.D
 Acq On : 17 Nov 2018 19:25
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0 mL/MSVOA V/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00579

Quant Time: Nov 19 03:02:49 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR111718WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Nov 19 02:55:31 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	129221	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	116245	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	56544	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	26772	4.67	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	93.40%
7) Chloroethane-d5	1.58	69	22142	4.68	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	93.60%
11) 1,1-Dichloroethene-d2	2.14	63	57801	4.96	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	99.20%
20) 2-Butanone-d5	3.97	46	104867	51.06	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	102.12%
24) Chloroform-d	4.41	84	76575	4.88	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.60%
26) 1,2-Dichloroethane-d4	5.09	65	39140	4.90	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.00%
32) Benzene-d6	5.10	84	148539	4.90	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.00%
36) 1,2-Dichloropropane-d6	6.12	67	47887	4.90	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.00%
41) Toluene-d8	7.36	98	138023	4.85	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.00%
43) trans-1,3-Dichloropropene-	7.67	79	15648	4.19	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	83.80%
46) 2-Hexanone-d5	8.14	63	85732	50.75	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	101.50%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	34389	5.03	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.60%
64) 1,2-Dichlorobenzene-d4	11.68	152	48682	4.77	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.40%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	55235	5.185 ug/L	96
3) Chloromethane	1.25	50	45970	5.163 ug/L	96
5) Vinyl chloride	1.32	62	45705	5.593 ug/L	98
6) Bromomethane	1.54	94	15071	2.957 ug/L	95
8) Chloroethane	1.60	64	27693	5.784 ug/L	96
9) Trichlorofluoromethane	1.77	101	62512	5.550 ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	35480	5.399 ug/L	96
12) 1,1-Dichloroethene	2.15	96	32713	5.461 ug/L	93
13) Acetone	2.22	43	55474	51.792 ug/L	97
14) Carbon disulfide	2.32	76	94529	5.055 ug/L	98
15) Methyl Acetate	2.47	43	15198	5.671 ug/L	100
16) Methylene chloride	2.54	84	35460	4.862 ug/L	98
17) Methyl tert-butyl Ether	2.81	73	86475	5.424 ug/L	99
18) trans-1,2-Dichloroethene	2.79	96	35614	5.476 ug/L	95
19) 1,1-Dichloroethane	3.23	63	89920	5.464 ug/L	98
21) 2-Butanone	4.05	43	124258	51.814 ug/L	98
22) cis-1,2-Dichloroethene	3.96	96	52601	5.359 ug/L	100

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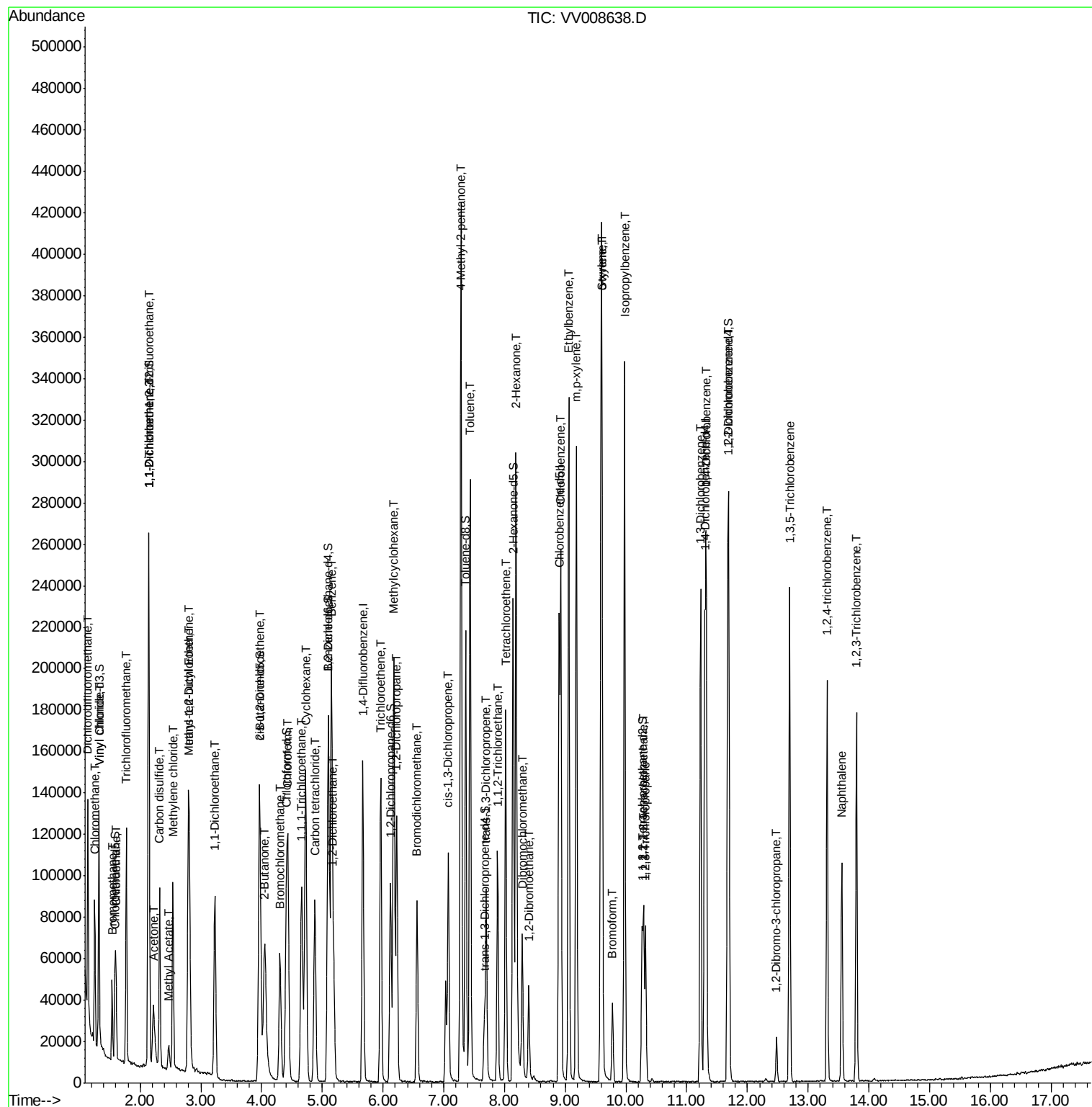
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.31	128	21163	5.603	ug/L	96
25) Chloroform	4.43	83	94237	4.533	ug/L	97
27) 1,2-Dichloroethane	5.19	62	54571	5.261	ug/L	98
29) 1,1,1-Trichloroethane	4.66	97	76245	5.195	ug/L	99
30) Cyclohexane	4.73	56	84248	5.162	ug/L	98
31) Carbon tetrachloride	4.88	117	65246	5.228	ug/L	99
33) Benzene	5.15	78	197245	5.352	ug/L	100
34) Trichloroethene	5.96	95	52898	5.430	ug/L	97
35) Methylcyclohexane	6.18	83	85617	5.190	ug/L	97
37) 1,2-Dichloropropane	6.23	63	50083	5.170	ug/L	99
38) Bromodichloromethane	6.56	83	57408	4.857	ug/L	99
39) cis-1,3-Dichloropropene	7.07	75	63180	4.852	ug/L	100
40) 4-Methyl-2-pentanone	7.28	43	301469	53.169	ug/L	99
42) Toluene	7.43	91	205438	5.349	ug/L	96
44) trans-1,3-Dichloropropene	7.70	75	51813	4.884	ug/L	95
45) 1,1,2-Trichloroethane	7.89	97	32392	5.254	ug/L	96
47) Tetrachloroethene	8.02	164	37389	5.304	ug/L	96
48) 2-Hexanone	8.19	43	206797	54.037	ug/L	97
49) Dibromochloromethane	8.30	129	34999	4.992	ug/L	99
50) 1,2-Dibromoethane	8.40	107	30883	5.543	ug/L #	94
51) Chlorobenzene	8.93	112	128424	5.420	ug/L	97
52) Ethylbenzene	9.06	91	225366	5.331	ug/L	99
53) m,p-xylene	9.18	106	83821	5.363	ug/L	98
54) o-xylene	9.59	106	80404	5.287	ug/L	95
55) Styrene	9.61	104	134222	5.468	ug/L	98
56) Isopropylbenzene	9.98	105	219877	5.384	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.29	83	38995	5.359	ug/L	98
59) 1,2,3-Trichloropropane	10.32	75	30278	5.511	ug/L	100
61) Bromoform	9.78	173	16814	4.627	ug/L	93
62) 1,3-Dichlorobenzene	11.23	146	93881	5.096	ug/L	96
63) 1,4-Dichlorobenzene	11.32	146	94713	5.217	ug/L	100
65) 1,2-Dichlorobenzene	11.69	146	89811	5.121	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	5314	4.735	ug/L #	81
67) 1,3,5-Trichlorobenzene	12.70	180	69031	5.175	ug/L	98
68) 1,2,4-trichlorobenzene	13.31	180	55230	5.138	ug/L	100
69) Naphthalene	13.55	128	84151	4.819	ug/L	99
70) 1,2,3-Trichlorobenzene	13.80	180	50894	5.132	ug/L	99

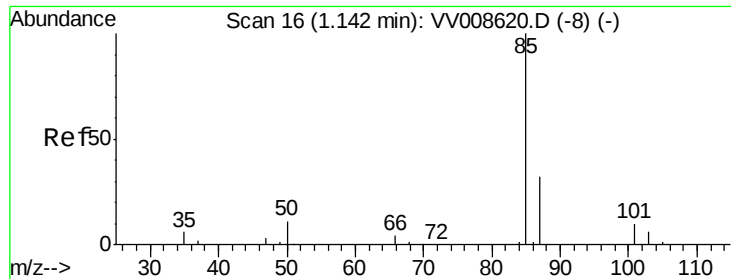
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 5.185 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV008638.D

Acq: 17 Nov 2018 19:25

Instrument :

MSVOA_V

ClientSampleId :

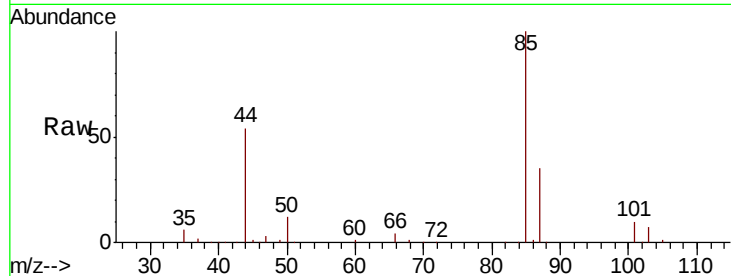
VSTD00579

Tot Ion: 85 Resp: 55235

Ion Ratio Lower Upper

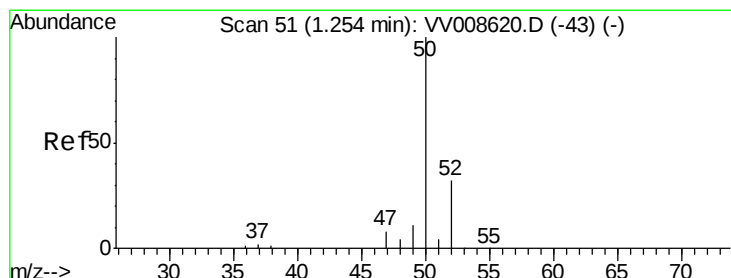
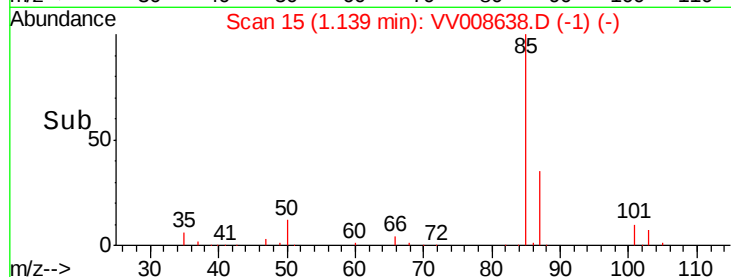
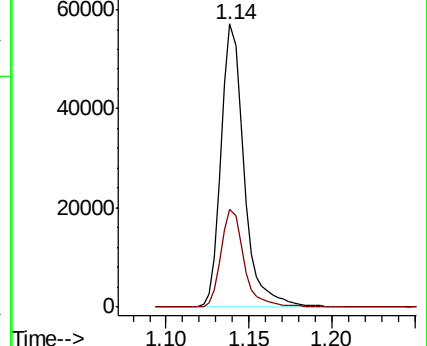
85 100

87 34.6 25.7 38.5



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 5.163 ug/L

RT: 1.25 min Scan# 50

Delta R.T. -0.00 min

Lab File: VV008638.D

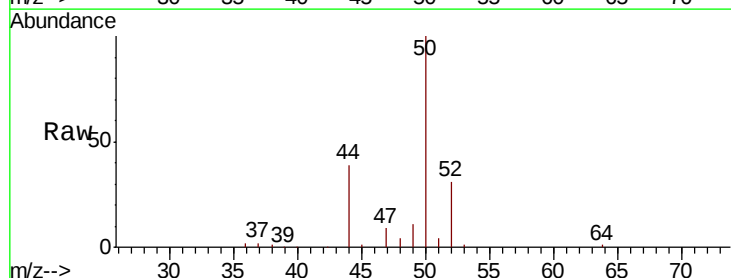
Acq: 17 Nov 2018 19:25

Tgt Ion: 50 Resp: 45970

Ion Ratio Lower Upper

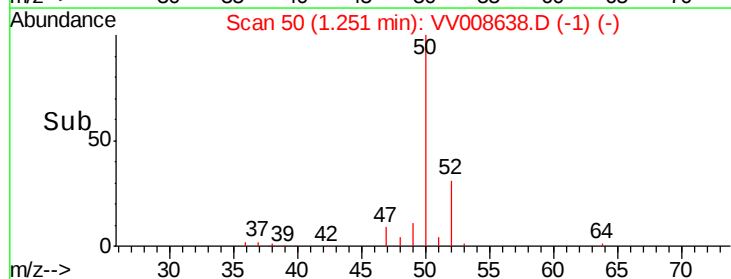
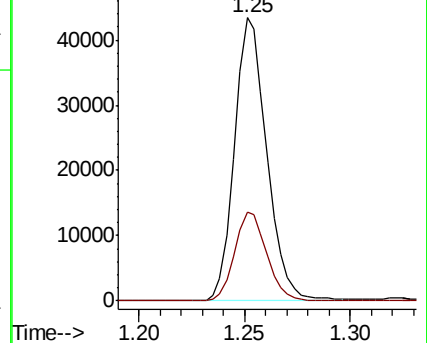
50 100

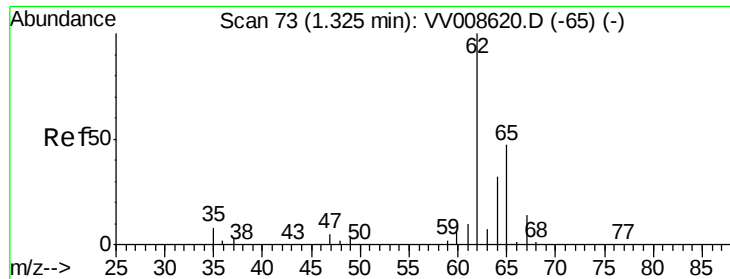
52 31.2 23.3 43.3



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0





#5

Vinyl chloride

Concen: 5.593 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV008638.D

Acq: 17 Nov 2018 19:25

Instrument :

MSVOA_V

ClientSampleId :

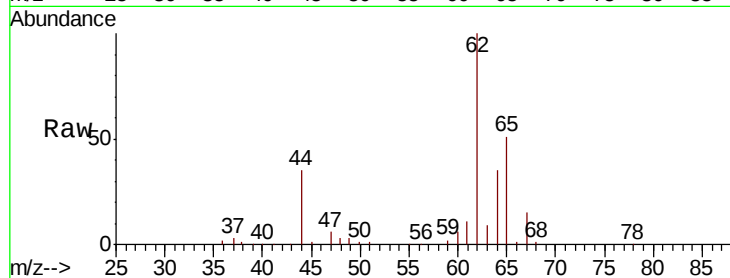
VSTD00579

Tot Ion: 62 Resp: 45705

Ion Ratio Lower Upper

62 100

64 34.8 23.4 43.4



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0

1.32

40000

30000

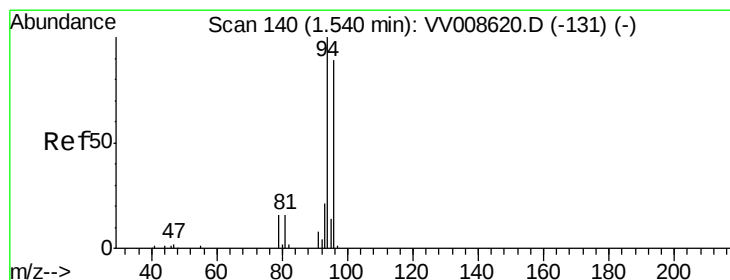
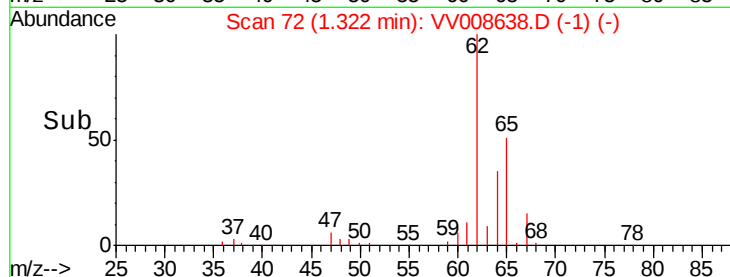
20000

10000

0

1.30 1.35 1.40

Time-->



#6

Bromomethane

Concen: 2.957 ug/L

RT: 1.54 min Scan# 139

Delta R.T. -0.00 min

Lab File: VV008638.D

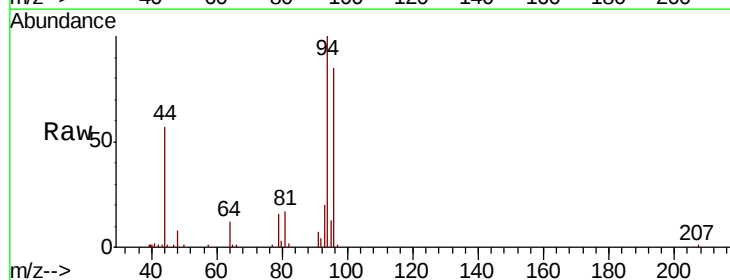
Acq: 17 Nov 2018 19:25

Tgt Ion: 94 Resp: 15071

Ion Ratio Lower Upper

94 100

96 85.4 63.2 117.4



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

15000

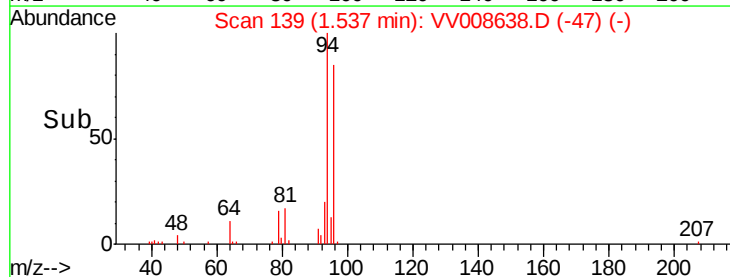
10000

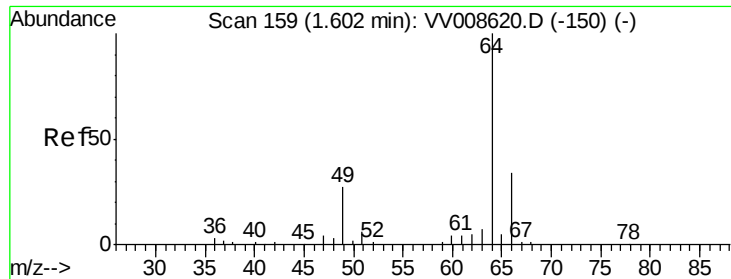
5000

0

1.50 1.55

Time-->





#8

Chloroethane

Concen: 5.784 ug/L

RT: 1.60 min Scan# 159

Delta R.T. 0.00 min

Lab File: VV008638.D

Acq: 17 Nov 2018 19:25

Instrument :

MSVOA_V

ClientSampleId :

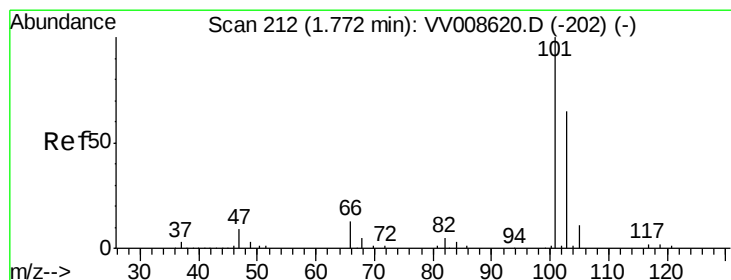
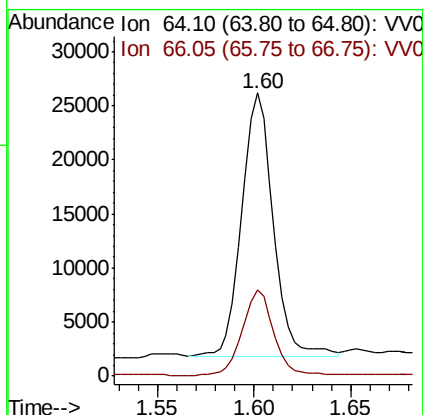
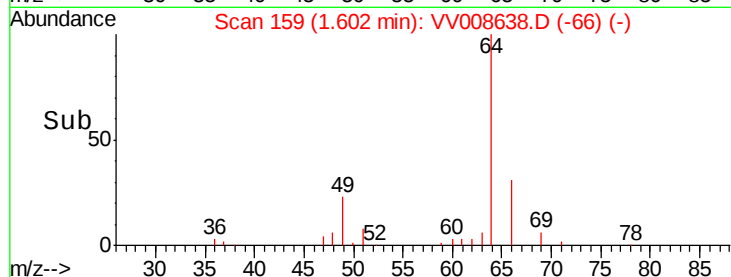
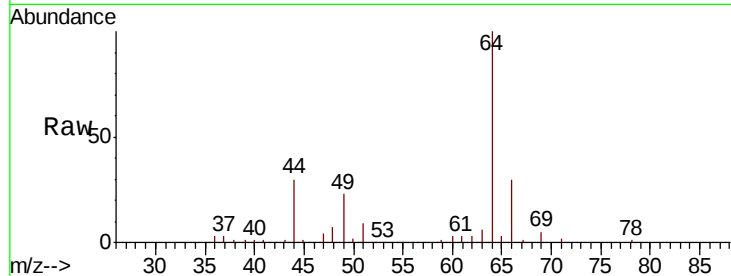
VSTD00579

Tot Ion: 64 Resp: 27693

Ion Ratio Lower Upper

64 100

66 30.4 22.7 42.3



#9

Trichlorofluoromethane

Concen: 5.550 ug/L

RT: 1.77 min Scan# 212

Delta R.T. 0.00 min

Lab File: VV008638.D

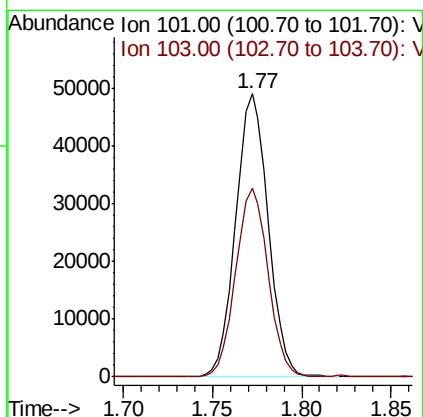
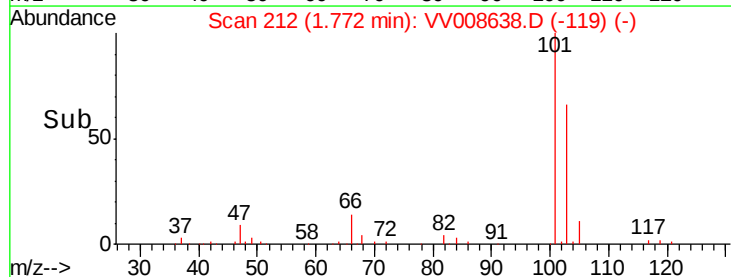
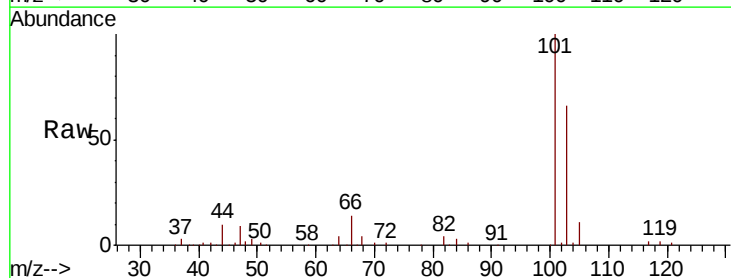
Acq: 17 Nov 2018 19:25

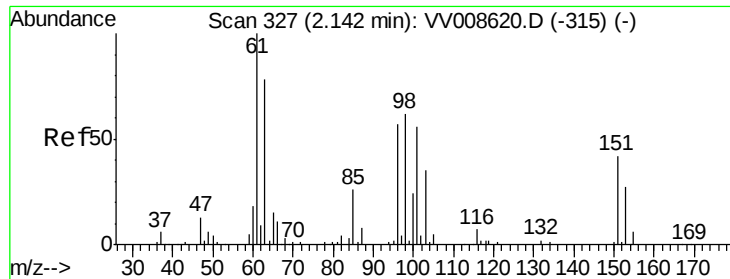
Tgt Ion: 101 Resp: 62512

Ion Ratio Lower Upper

101 100

103 66.6 51.1 76.7





#10

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

Concen: 5.399 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

Lab File: VV008638.D

Acq: 17 Nov 2018 19:25

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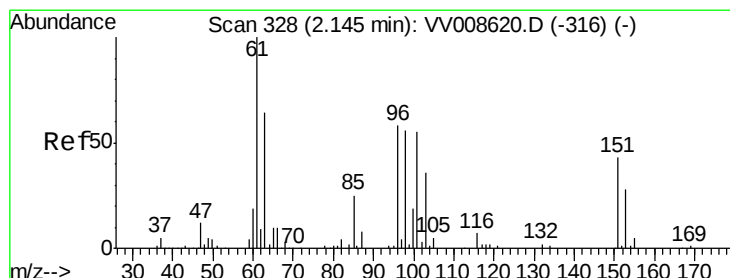
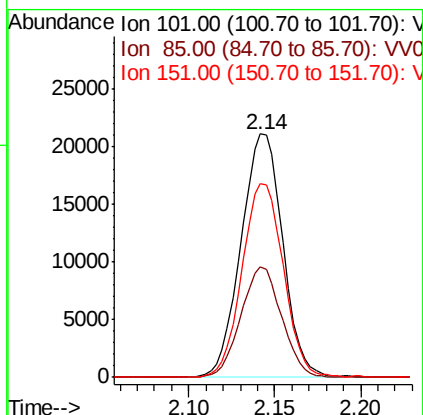
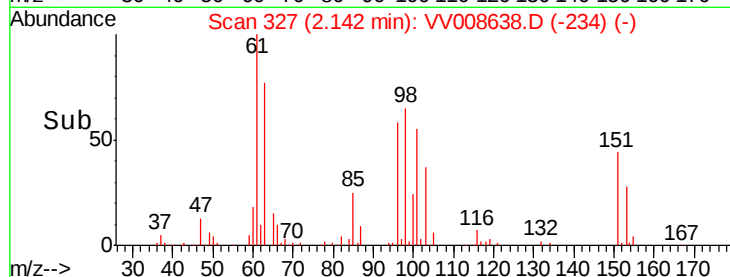
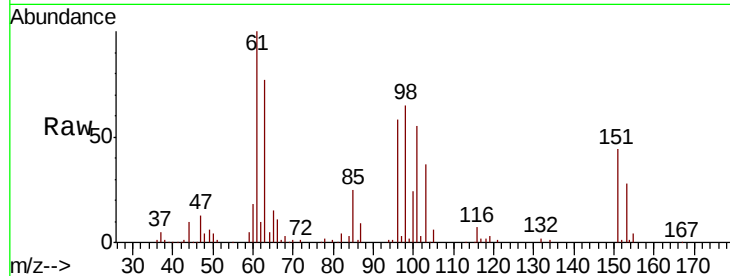
Tot Ion:101 Resp: 35480

Ion Ratio Lower Upper

101 100

85 44.3 35.4 53.0

151 79.1 59.4 89.2



#12

1,1-Dichloroethene

Concen: 5.461 ug/L

RT: 2.15 min Scan# 328

Delta R.T. 0.00 min

Lab File: VV008638.D

Acq: 17 Nov 2018 19:25

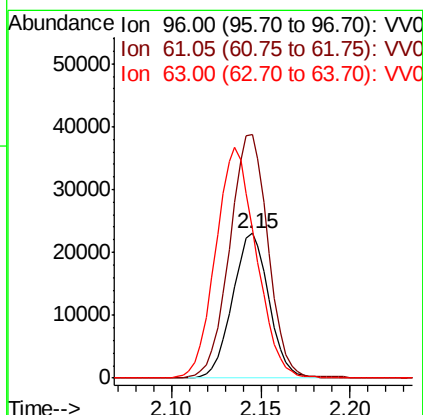
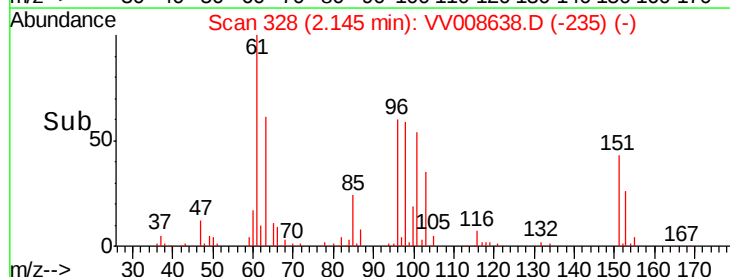
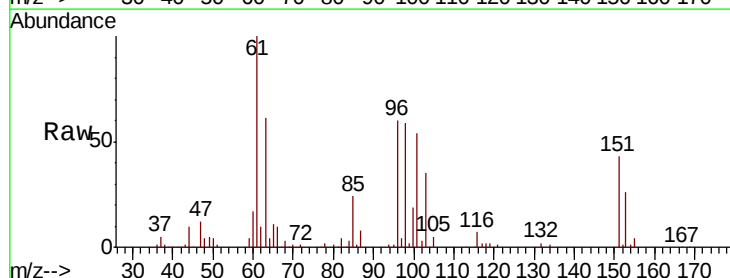
Tgt Ion: 96 Resp: 32713

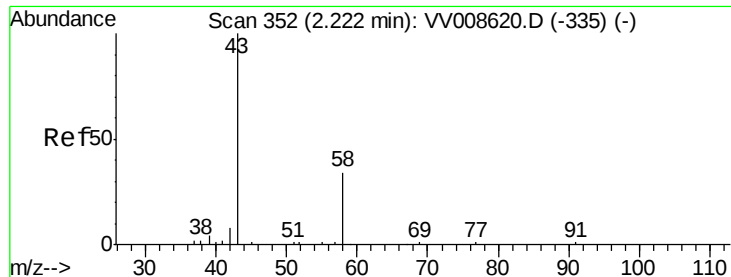
Ion Ratio Lower Upper

96 100

61 168.0 120.3 223.5

63 102.7 82.5 153.3





#13

Acetone

Concen: 51.792 ug/L

RT: 2.22 min Scan# 352

Delta R.T. 0.00 min

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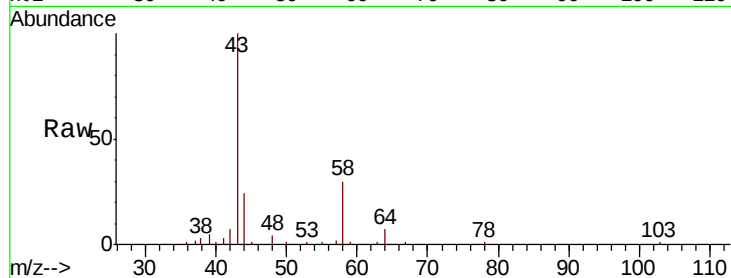
VSTD00579

Tot Ion: 43 Resp: 55474

Ion Ratio Lower Upper

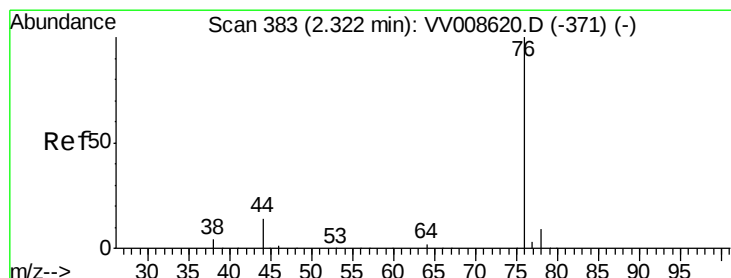
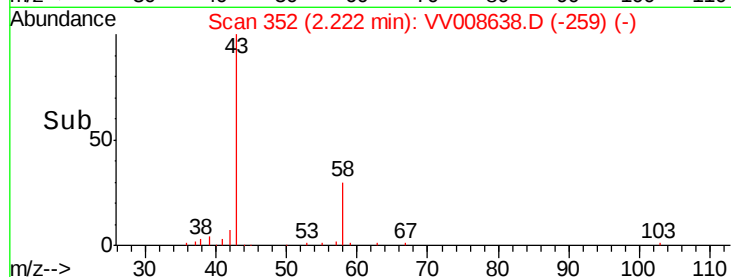
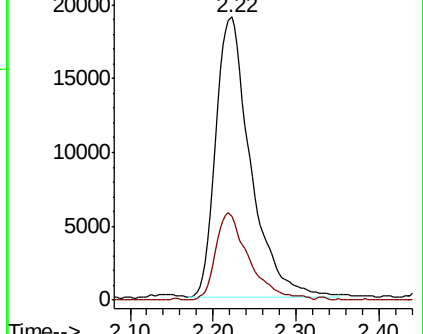
43 100

58 30.0 0.0 56.4



Abundance Ion 43.05 (42.75 to 43.75): VV008620.D (-335) (-)

Ion 58.05 (57.75 to 58.75): VV008620.D (-335) (-)



#14

Carbon disulfide

Concen: 5.055 ug/L

RT: 2.32 min Scan# 383

Delta R.T. 0.00 min

Lab File: VV008638.D

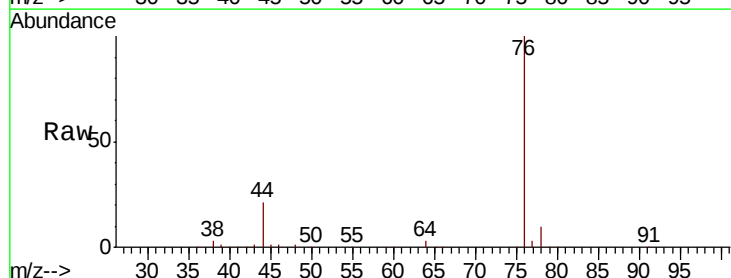
Acq: 17 Nov 2018 19:25

Tgt Ion: 76 Resp: 94529

Ion Ratio Lower Upper

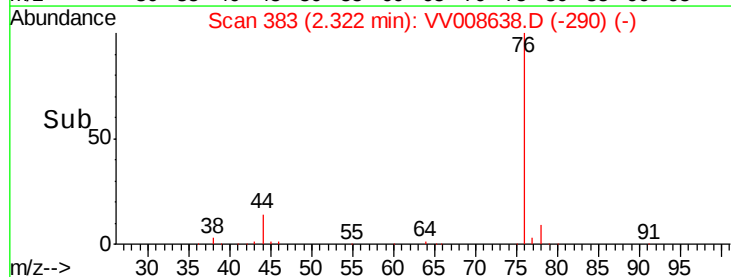
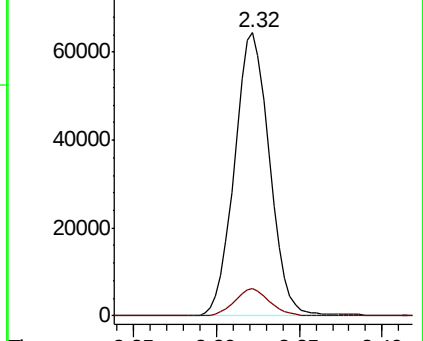
76 100

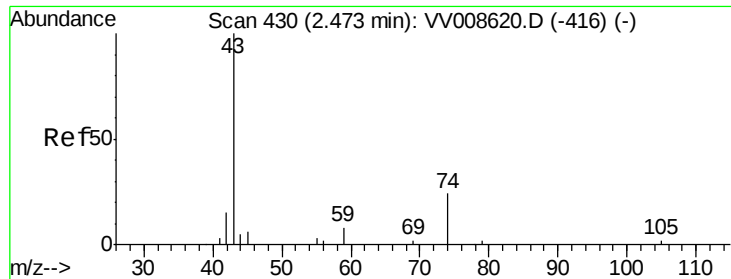
78 9.5 7.0 10.6



Abundance Ion 76.05 (75.75 to 76.75): VV008620.D (-371) (-)

Ion 78.00 (77.70 to 78.70): VV008620.D (-371) (-)





#15

Methvl Acetate

Concen: 5.671 ug/L

RT: 2.47 min Scan# 429

Delta R.T. -0.00 min

Lab File: VV008638.D

Acq: 17 Nov 2018 19:25

Instrument :

MSVOA_V

ClientSampleId :

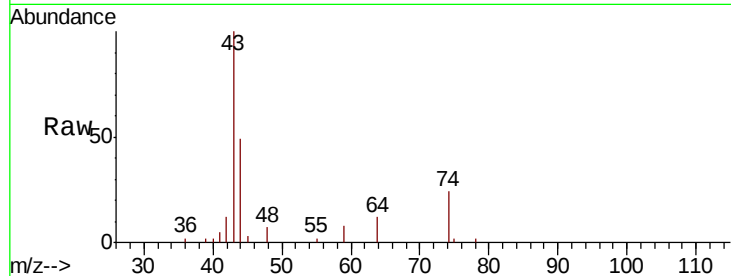
VSTD00579

Tot Ion: 43 Resp: 15198

Ion Ratio Lower Upper

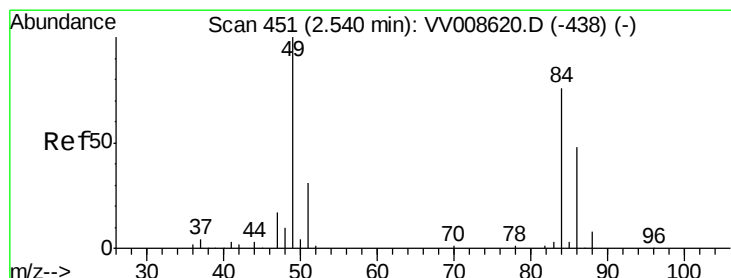
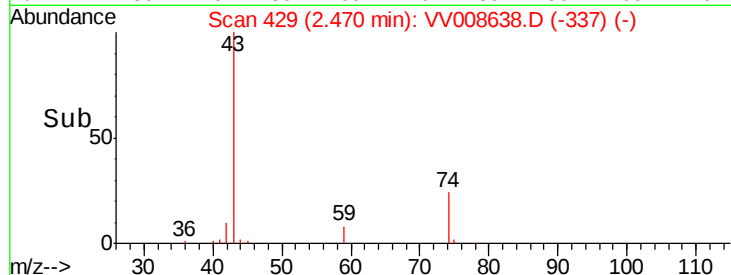
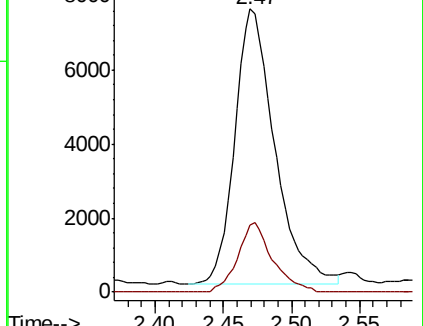
43 100

74 21.8 17.6 26.4



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 74.05 (73.75 to 74.75): VV0



#16

Methylene chloride

Concen: 4.862 ug/L

RT: 2.54 min Scan# 450

Delta R.T. -0.00 min

Lab File: VV008638.D

Acq: 17 Nov 2018 19:25

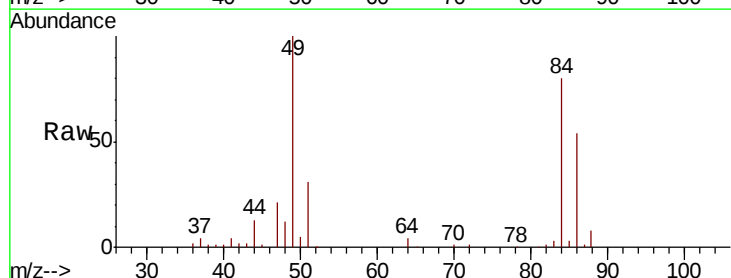
Tgt Ion: 84 Resp: 35460

Ion Ratio Lower Upper

84 100

86 68.0 44.8 83.2

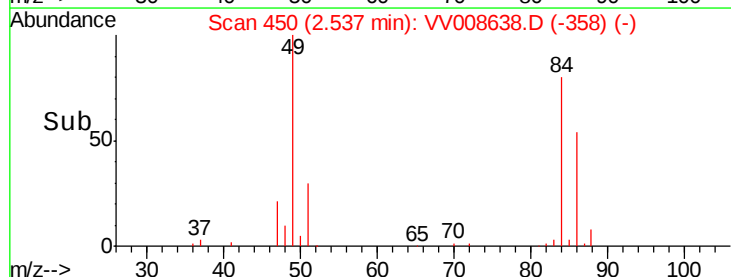
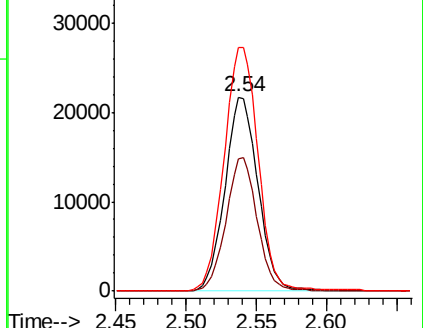
49 125.4 88.1 163.7

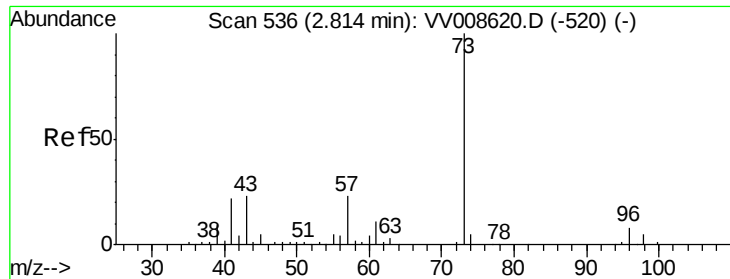


Abundance Ion 84.05 (83.75 to 84.75): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.10 (48.80 to 49.80): VV0

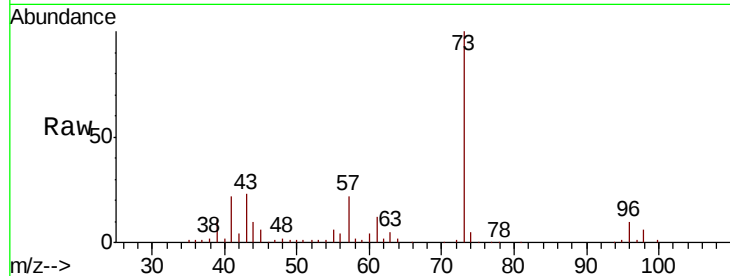




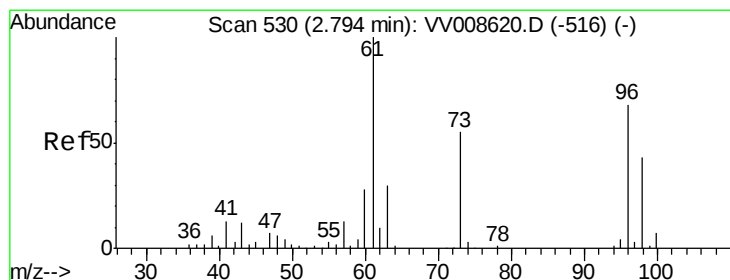
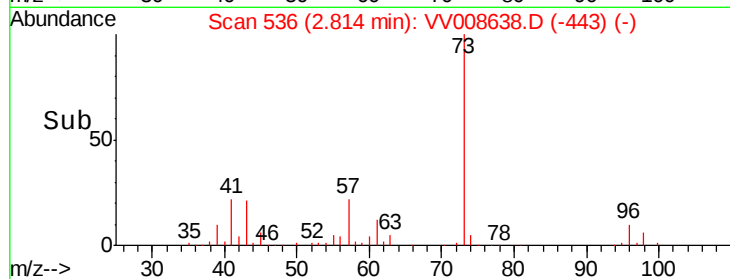
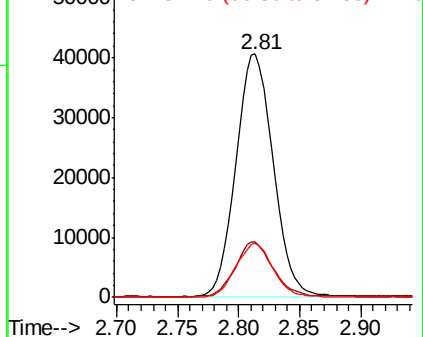
#17
Methvl tert-butvl Ether
Concen: 5.424 ug/L
RT: 2.81 min Scan# 536
Delta R.T. 0.00 min
Lab File: VV008638.D
Acq: 17 Nov 2018 19:25

Instrument :
MSVOA_V
ClientSampleId :
VSTD00579

Tot Ion: 73 Resp: 86475
Ion Ratio Lower Upper
73 100
43 22.1 18.1 27.1
57 22.0 17.9 26.9

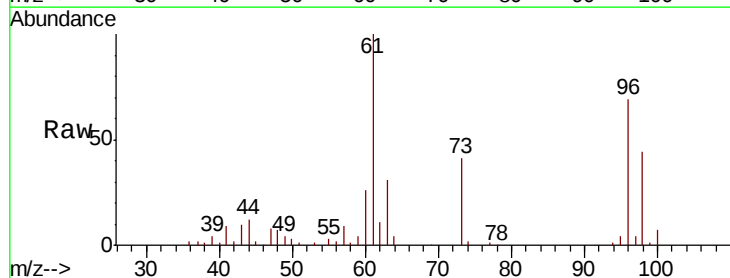


Abundance Ion 73.10 (72.80 to 73.80): VV0
Ion 43.05 (42.75 to 43.75): VV0
Ion 57.10 (56.80 to 57.80): VV0

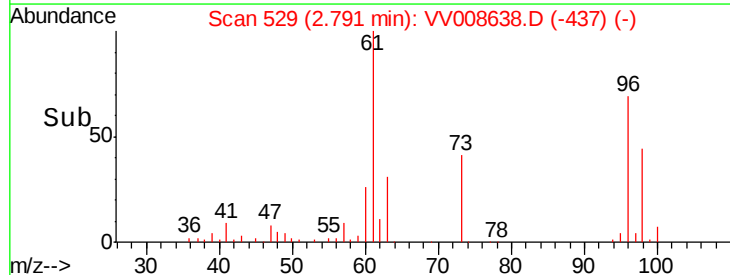
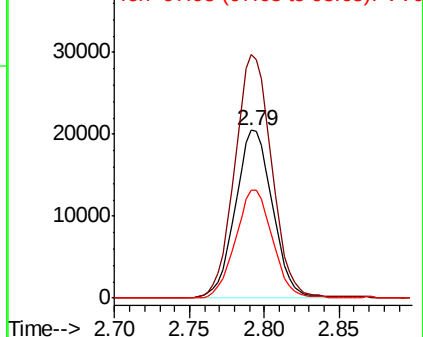


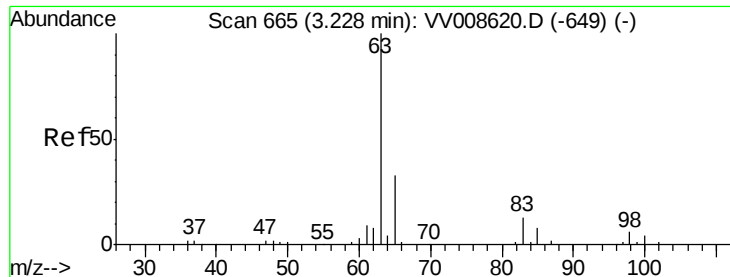
#18
trans-1,2-Dichloroethene
Concen: 5.476 ug/L
RT: 2.79 min Scan# 529
Delta R.T. -0.00 min
Lab File: VV008638.D
Acq: 17 Nov 2018 19:25

Tgt Ion: 96 Resp: 35614
Ion Ratio Lower Upper
96 100
61 145.0 97.1 180.3
98 64.2 41.9 77.7



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

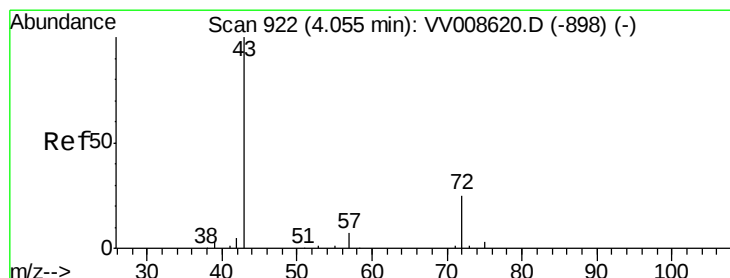
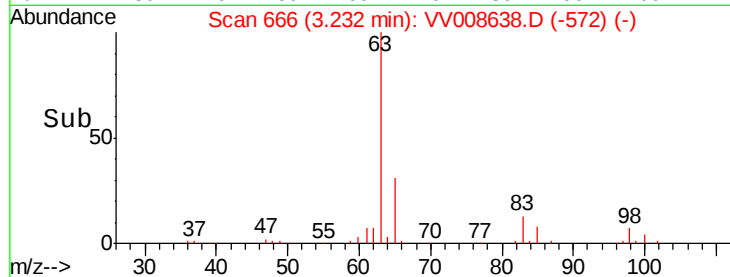
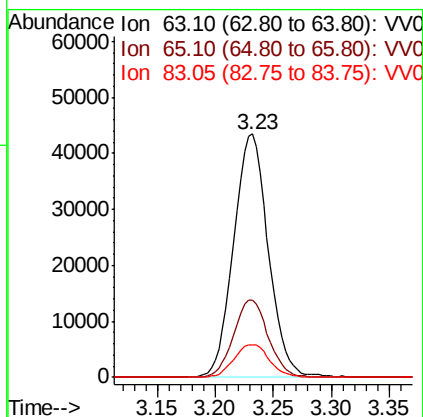
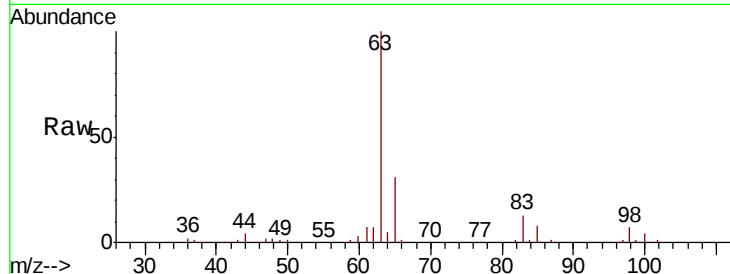




#19
 1,1-Dichloroethane
 Concen: 5.464 ug/L
 RT: 3.23 min Scan# 666
 Delta R.T. 0.00 min
 Lab File: VV008638.D
 Acq: 17 Nov 2018 19:25

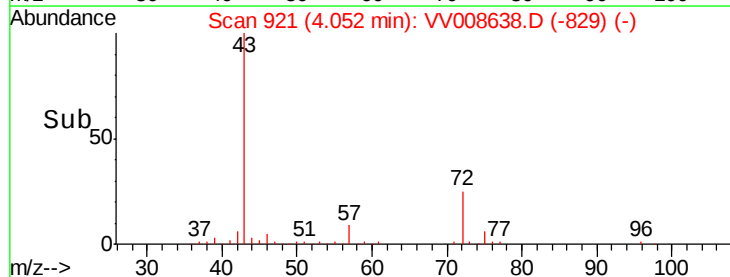
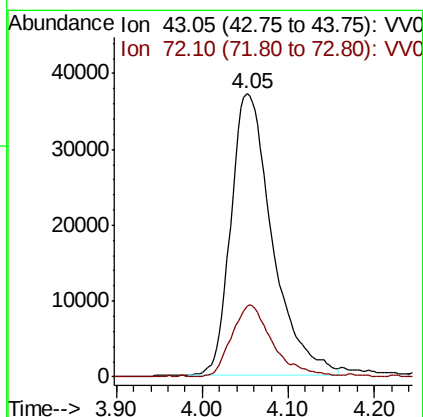
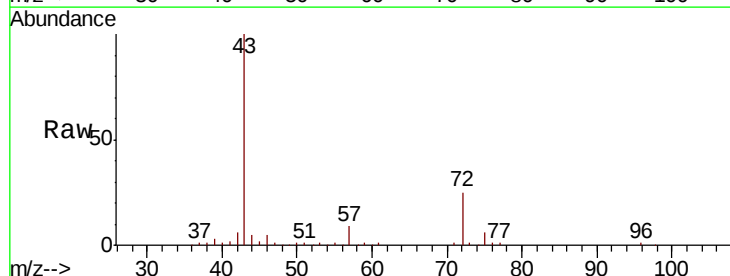
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00579

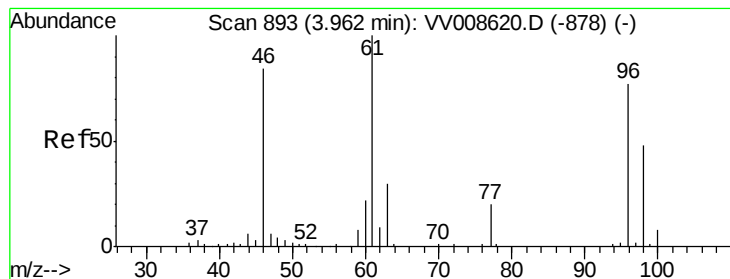
Tot Ion: 63 Resp: 89920
 Ion Ratio Lower Upper
 63 100
 65 31.5 23.2 43.0
 83 13.2 9.5 17.7



#21
 2-Butanone
 Concen: 51.814 ug/L
 RT: 4.05 min Scan# 921
 Delta R.T. -0.00 min
 Lab File: VV008638.D
 Acq: 17 Nov 2018 19:25

Tgt Ion: 43 Resp: 124258
 Ion Ratio Lower Upper
 43 100
 72 25.4 12.3 36.9



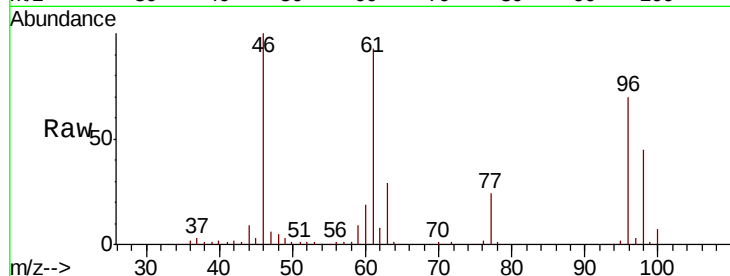


#22

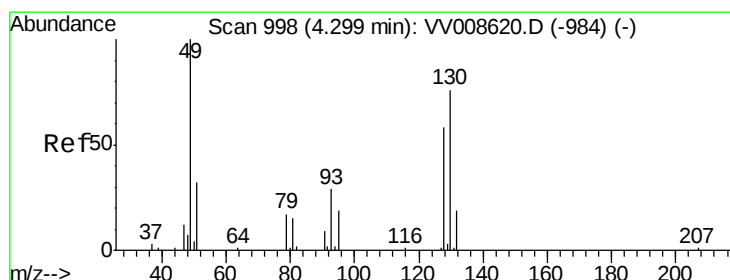
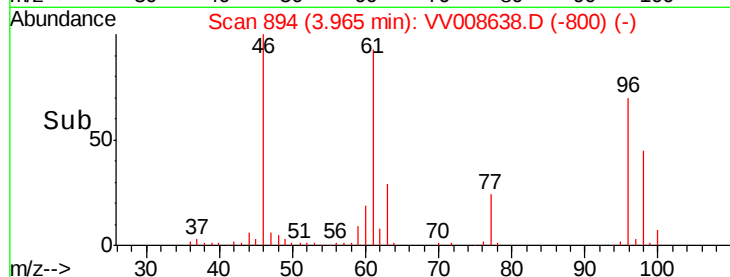
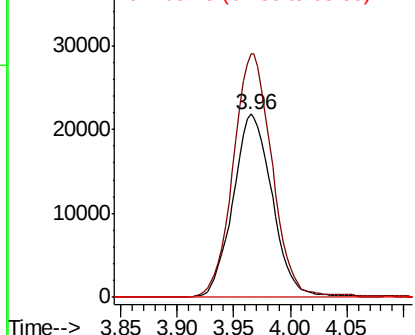
cis-1,2-Dichloroethene
Concen: 5.359 ug/L
RT: 3.96 min Scan# 894
Delta R.T. 0.00 min
Lab File: VV008638.D
Acq: 17 Nov 2018 19:25

Instrument :
MSVOA_V
ClientSampleId :
VSTD00579

Tot Ion: 96 Resp: 52601
Ion Ratio Lower Upper
96 100
61 133.0 93.2 173.2
68 0.0 0.0 0.0



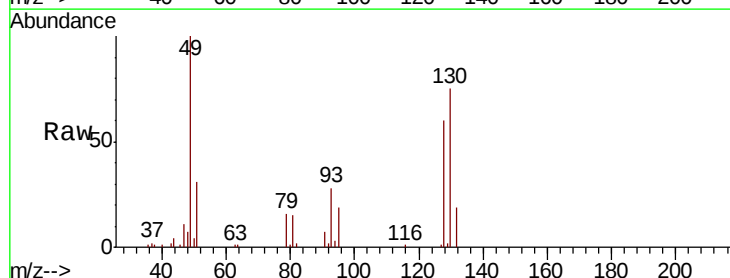
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 68.15 (67.85 to 68.85): VV0



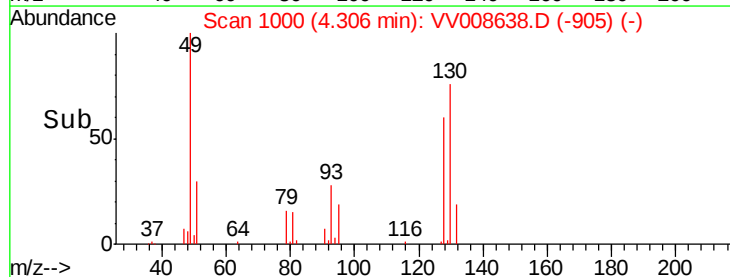
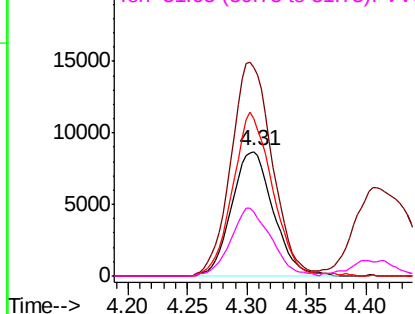
#23

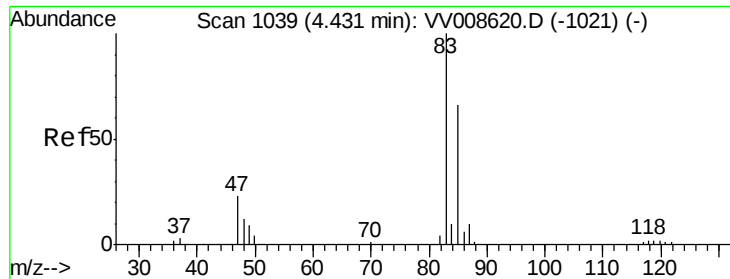
Bromochloromethane
Concen: 5.603 ug/L
RT: 4.31 min Scan# 1000
Delta R.T. 0.01 min
Lab File: VV008638.D
Acq: 17 Nov 2018 19:25

Tgt Ion: 128 Resp: 21163
Ion Ratio Lower Upper
128 100
49 167.2 120.0 222.8
130 126.1 92.3 171.3
51 51.2 40.0 60.0



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

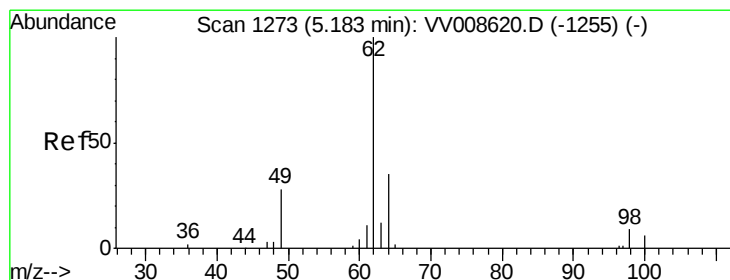
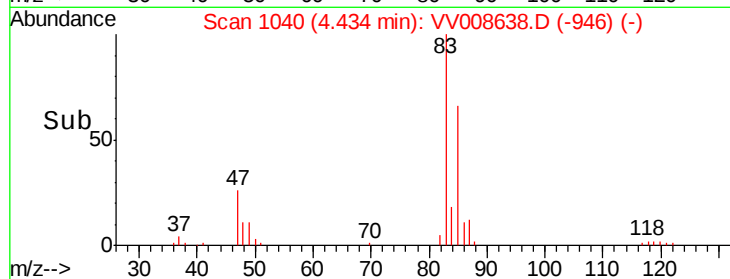
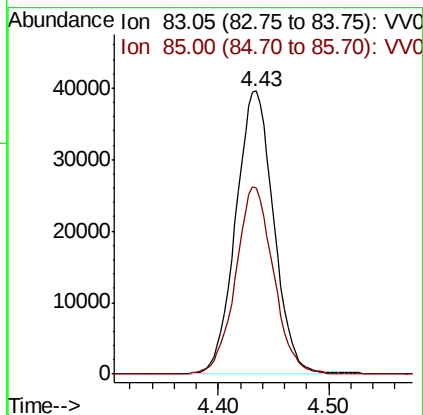
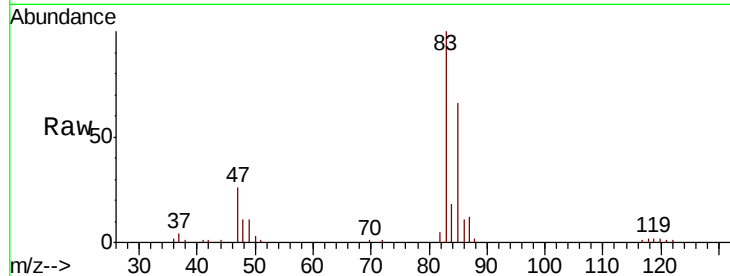




#25
Chloroform
Concen: 4.533 ug/L
RT: 4.43 min Scan# 1040
Delta R.T. 0.00 min
Lab File: VV008638.D
Acq: 17 Nov 2018 19:25

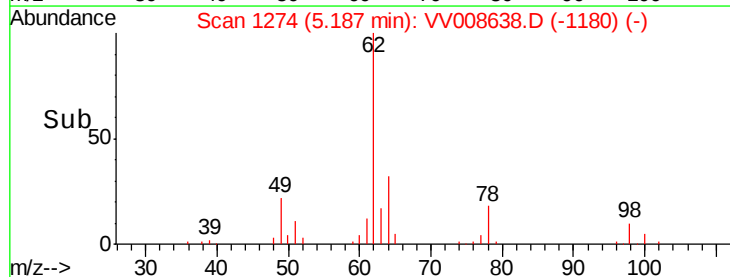
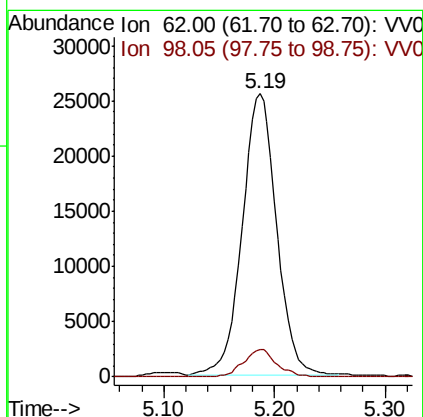
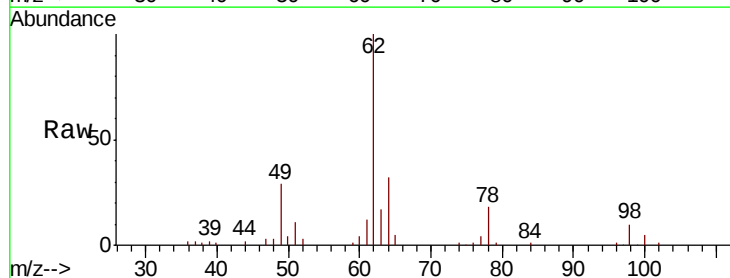
Instrument :
MSVOA_V
ClientSampleId :
VSTD00579

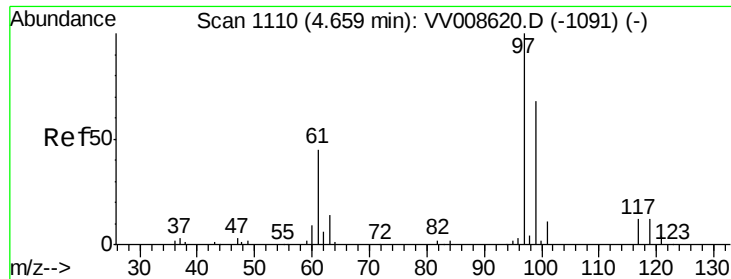
Tot Ion: 83 Resp: 94237
Ion Ratio Lower Upper
83 100
85 65.8 44.4 82.5



#27
1,2-Dichloroethane
Concen: 5.261 ug/L
RT: 5.19 min Scan# 1274
Delta R.T. 0.00 min
Lab File: VV008638.D
Acq: 17 Nov 2018 19:25

Tgt Ion: 62 Resp: 54571
Ion Ratio Lower Upper
62 100
98 9.6 7.1 10.7



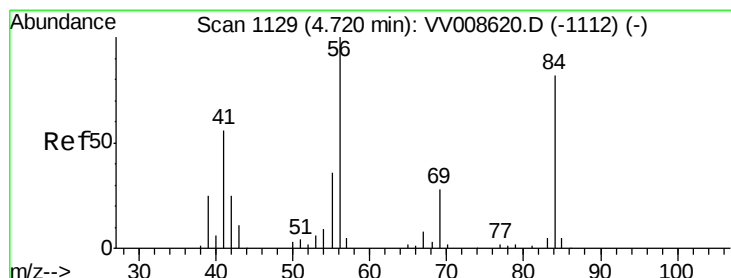
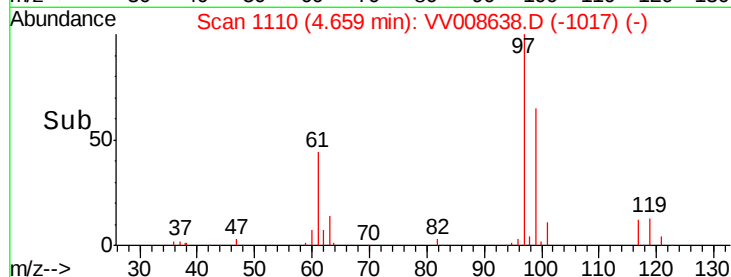
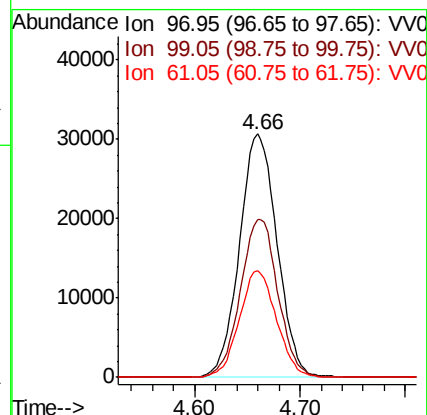
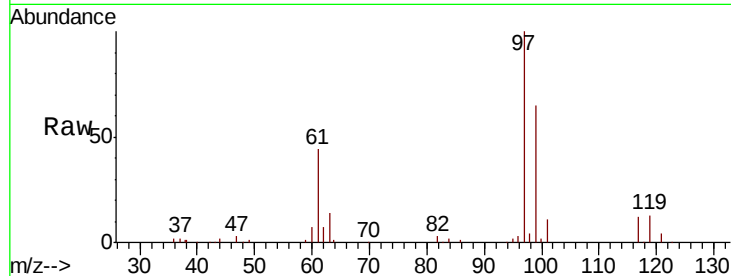


#29
 1,1,1-Trichloroethane
 Concen: 5.195 ug/L
 RT: 4.66 min Scan# 1110
 Delta R.T. 0.00 min
 Lab File: VV008638.D
 Acq: 17 Nov 2018 19:25

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00579

Tot Ion: 97 Resp: 76245

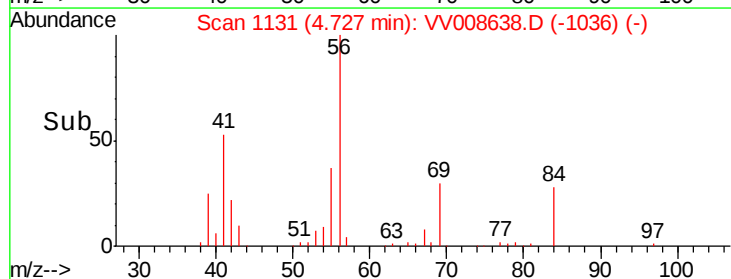
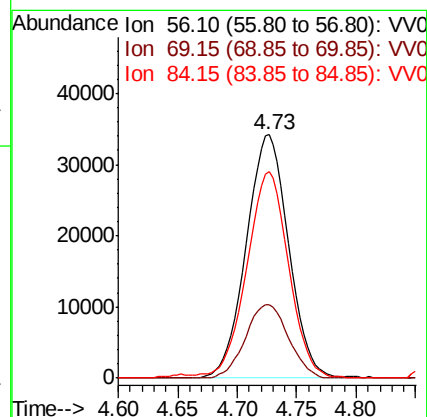
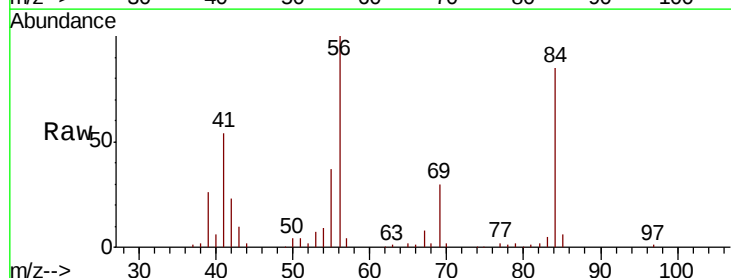
Ion	Ratio	Lower	Upper
97	100		
99	64.6	51.0	76.4
61	43.2	34.3	51.5

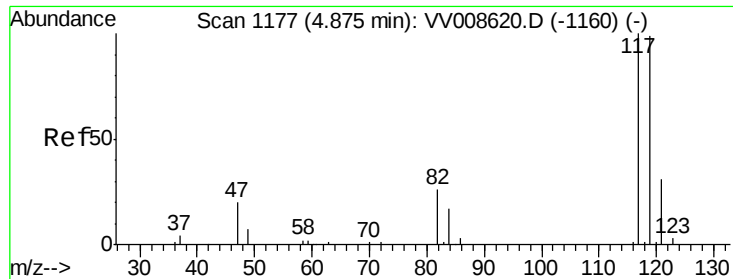


#30
 Cyclohexane
 Concen: 5.162 ug/L
 RT: 4.73 min Scan# 1131
 Delta R.T. 0.01 min
 Lab File: VV008638.D
 Acq: 17 Nov 2018 19:25

Tgt Ion: 56 Resp: 84248

Ion	Ratio	Lower	Upper
56	100		
69	30.6	24.2	36.4
84	84.1	65.7	98.5





#31

Carbon tetrachloride

Concen: 5.228 ug/L

RT: 4.88 min Scan# 1178

Delta R.T. 0.00 min

Lab File: VV008638.D

Acq: 17 Nov 2018 19:25

Instrument :

MSVOA_V

ClientSampleId :

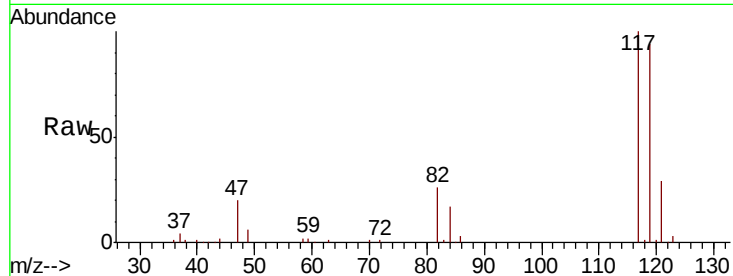
VSTD00579

Tot Ion:117 Resp: 65246

Ion Ratio Lower Upper

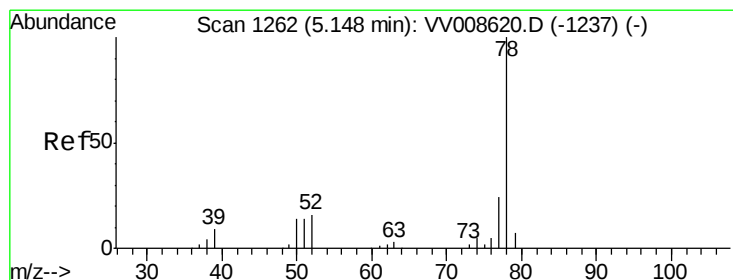
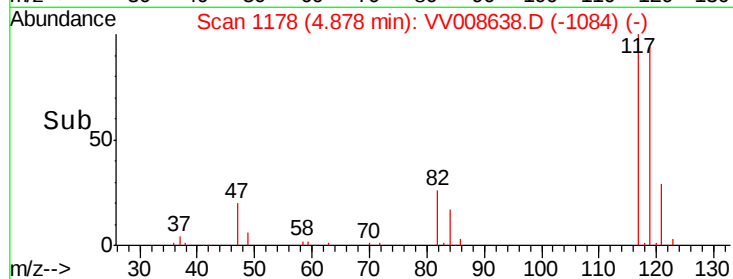
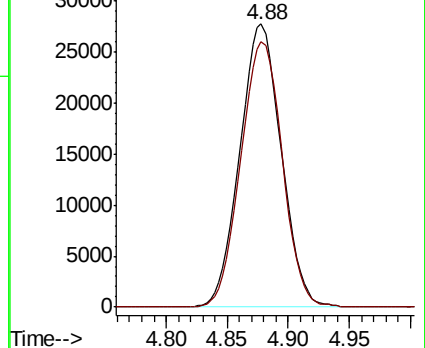
117 100

119 93.9 75.8 113.8



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.352 ug/L

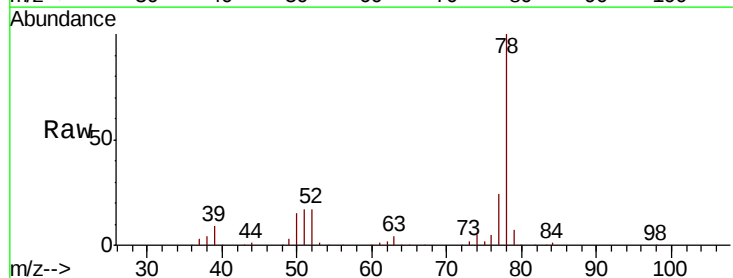
RT: 5.15 min Scan# 1263

Delta R.T. 0.00 min

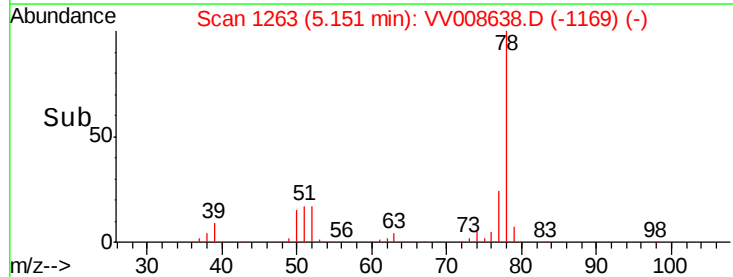
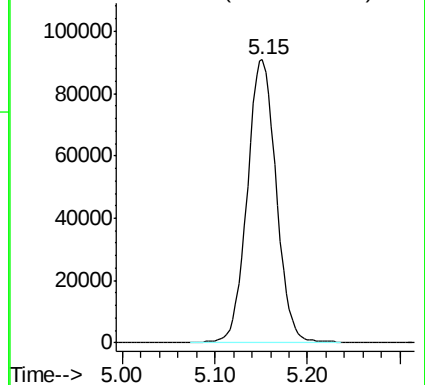
Lab File: VV008638.D

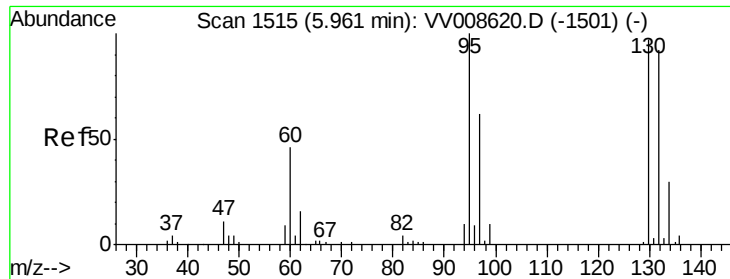
Acq: 17 Nov 2018 19:25

Tgt Ion: 78 Resp: 197245



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 5.430 ug/L

RT: 5.96 min Scan# 1515

Delta R.T. 0.00 min

Lab File: VV008638.D

Acq: 17 Nov 2018 19:25

Instrument :

MSVOA_V

ClientSampleId :

VSTD00579

Tot Ion: 95 Resp: 52898

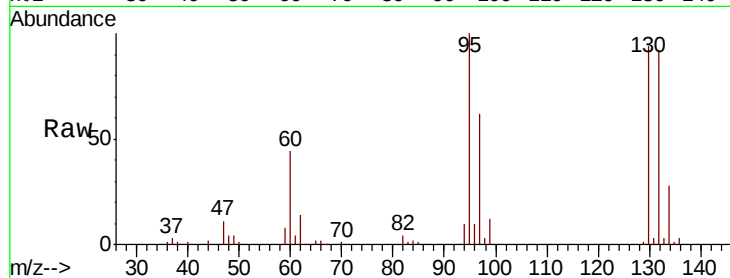
Ion Ratio Lower Upper

95 100

97 62.3 45.1 83.7

132 92.2 66.3 123.1

130 93.9 68.0 126.4



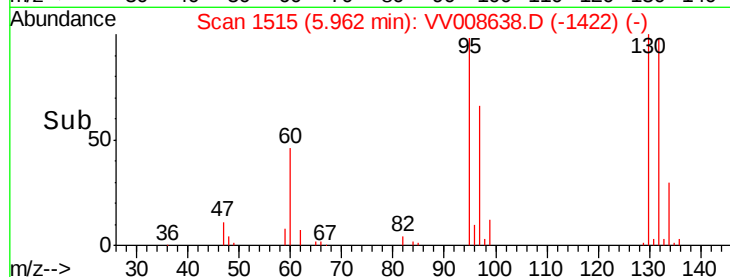
Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

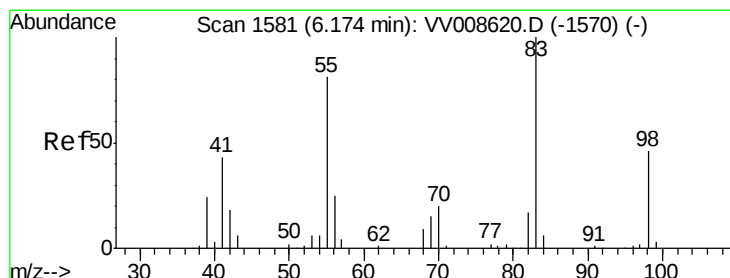
Ion 131.95 (131.65 to 132.65): VV0

Ion 129.95 (129.65 to 130.65): VV0

Time-->



Time-->



#35

Methylcyclohexane

Concen: 5.190 ug/L

RT: 6.18 min Scan# 1582

Delta R.T. 0.00 min

Lab File: VV008638.D

Acq: 17 Nov 2018 19:25

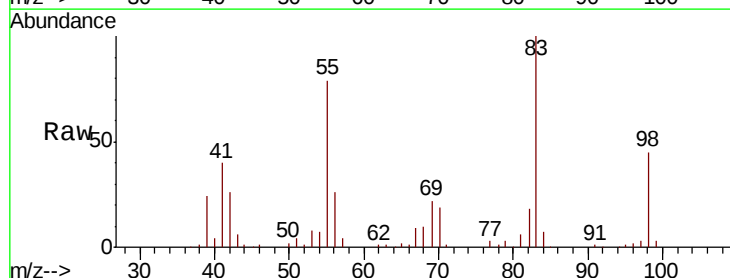
Tgt Ion: 83 Resp: 85617

Ion Ratio Lower Upper

83 100

55 78.7 65.6 98.4

98 45.0 36.4 54.6

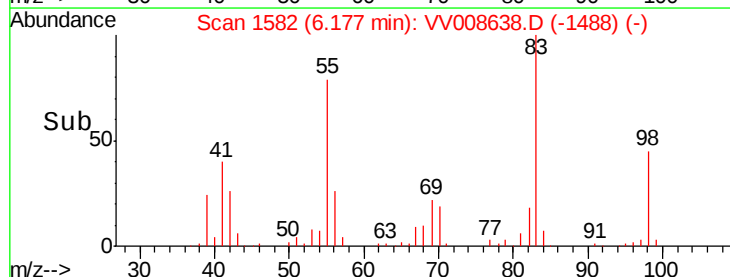


Abundance Ion 83.15 (82.85 to 83.85): VV0

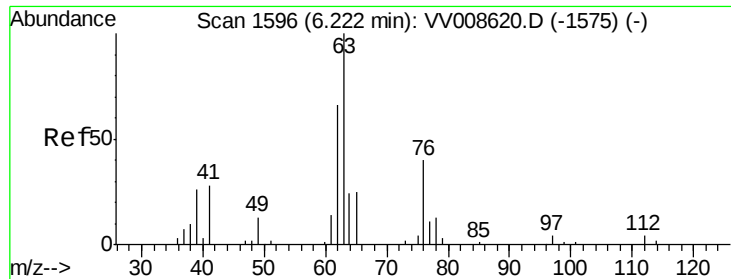
Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

Time-->



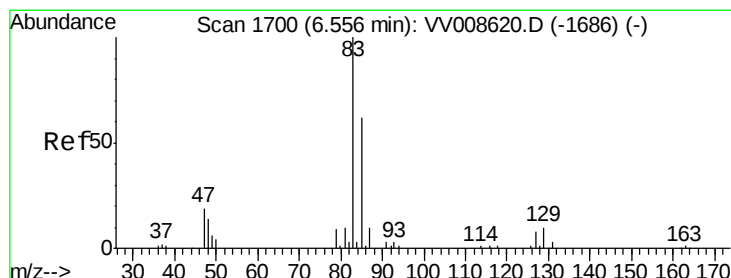
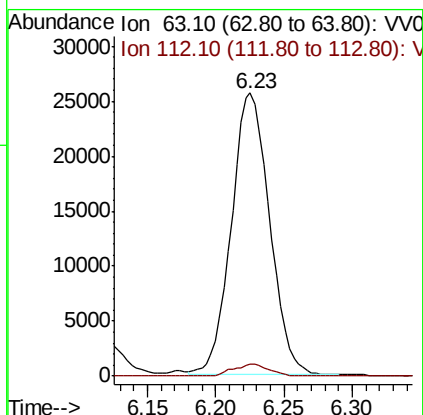
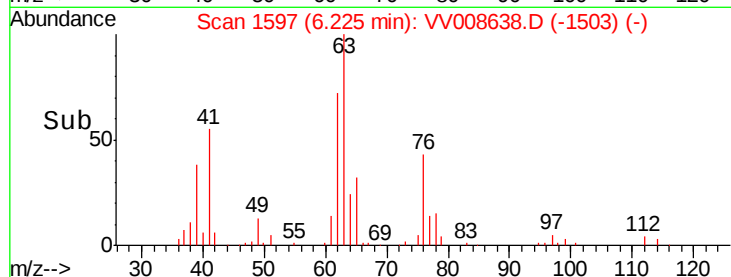
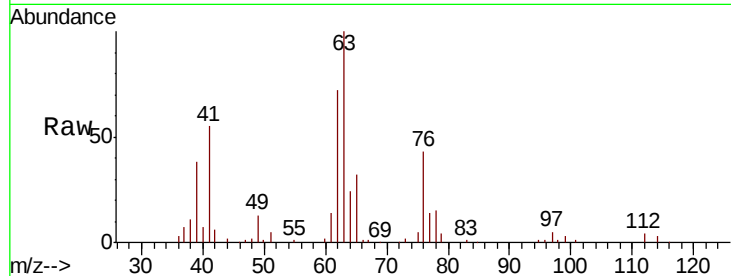
Time-->



#37
 1,2-Dichloropropane
 Concen: 5.170 ug/L
 RT: 6.23 min Scan# 1597
 Delta R.T. 0.00 min
 Lab File: VV008638.D
 Acq: 17 Nov 2018 19:25

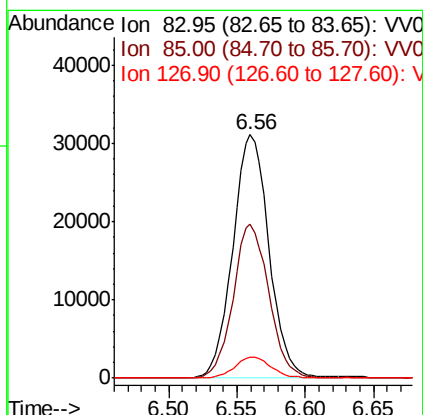
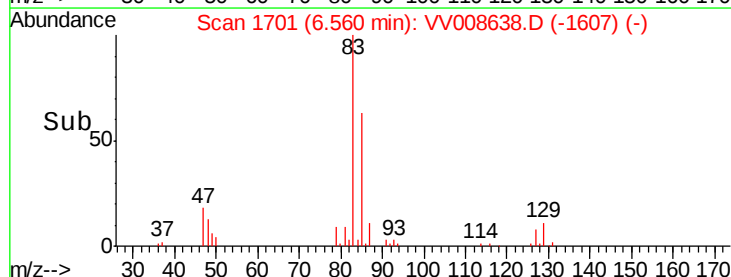
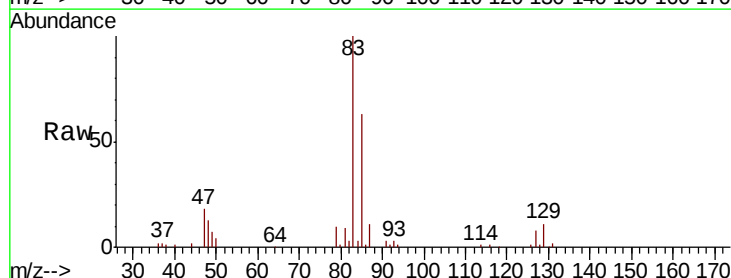
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00579

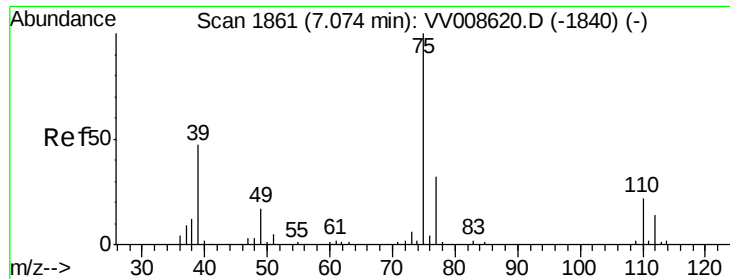
Tot Ion: 63 Resp: 50083
 Ion Ratio Lower Upper
 63 100
 112 3.9 2.8 4.2



#38
 Bromodichloromethane
 Concen: 4.857 ug/L
 RT: 6.56 min Scan# 1701
 Delta R.T. 0.00 min
 Lab File: VV008638.D
 Acq: 17 Nov 2018 19:25

Tgt Ion: 83 Resp: 57408
 Ion Ratio Lower Upper
 83 100
 85 63.3 44.9 83.5
 127 8.4 6.9 10.3

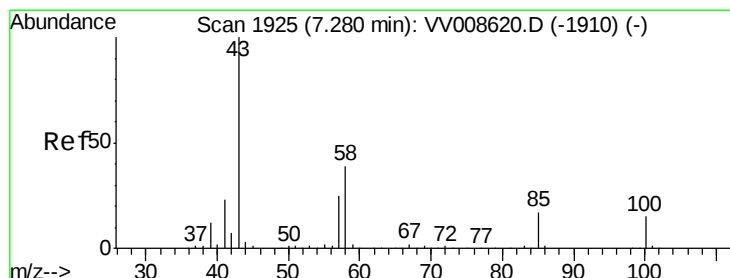
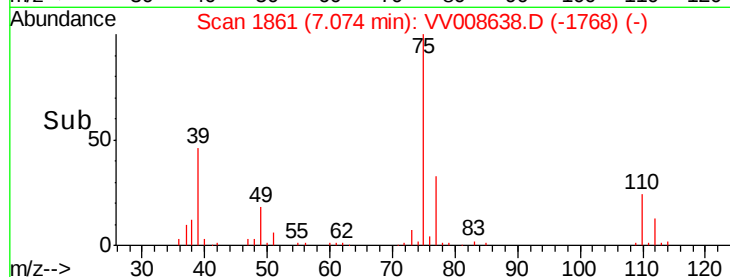
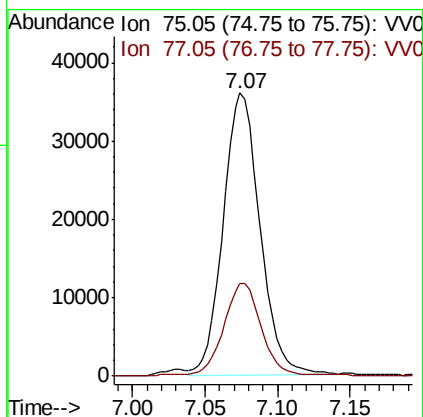
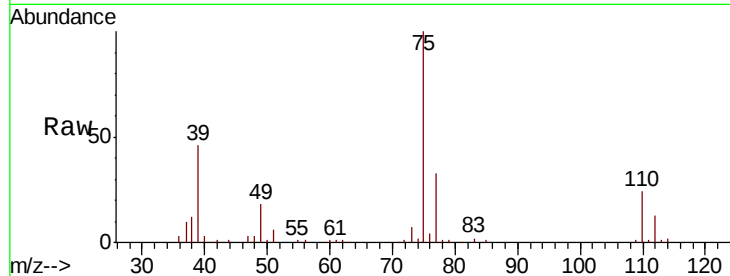




#39
 cis-1,3-Dichloropropene
 Concen: 4.852 ug/L
 RT: 7.07 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VV008638.D
 Acq: 17 Nov 2018 19:25

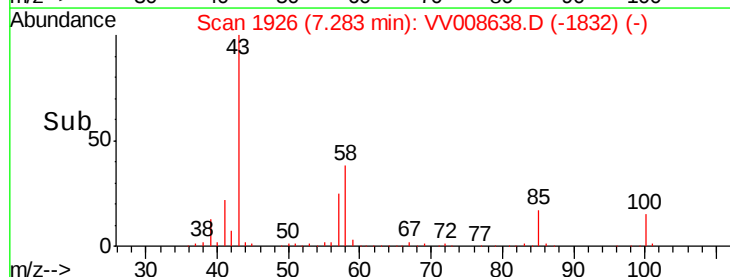
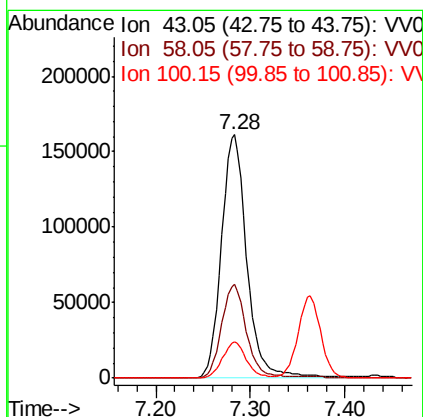
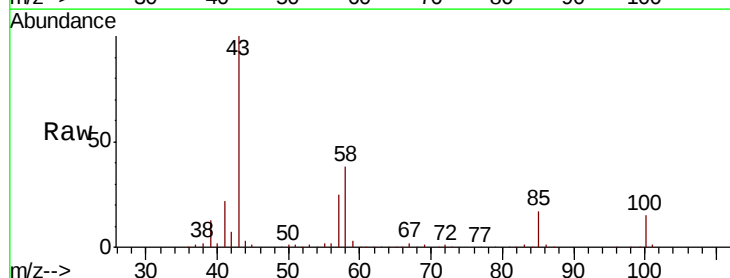
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00579

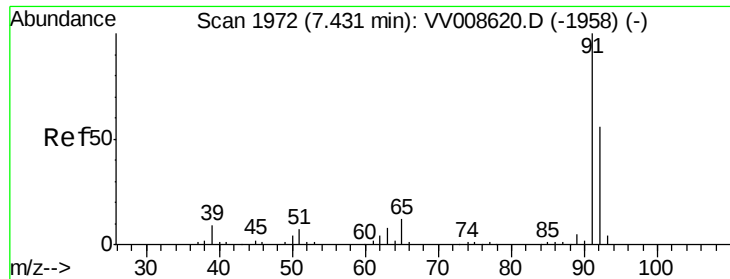
Tot Ion: 75 Resp: 63180
 Ion Ratio Lower Upper
 75 100
 77 32.6 23.0 42.8



#40
 4-Methyl-2-pentanone
 Concen: 53.169 ug/L
 RT: 7.28 min Scan# 1926
 Delta R.T. 0.00 min
 Lab File: VV008638.D
 Acq: 17 Nov 2018 19:25

Tgt Ion: 43 Resp: 301469
 Ion Ratio Lower Upper
 43 100
 58 37.6 31.0 46.4
 100 14.0 11.1 16.7





#42

Toluene

Concen: 5.349 ug/L

RT: 7.43 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VV008638.D

Acq: 17 Nov 2018 19:25

Instrument :

MSVOA_V

ClientSampleId :

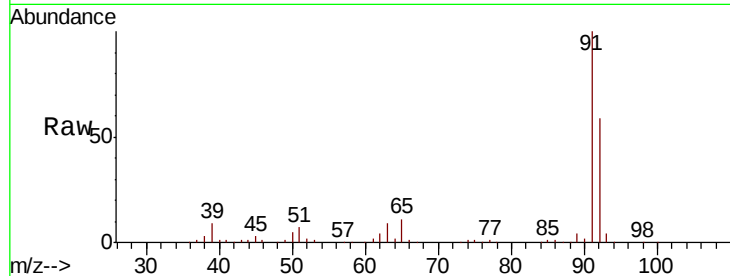
VSTD00579

Tot Ion: 91 Resp: 205438

Ion Ratio Lower Upper

91 100

92 58.8 39.1 72.5



Abundance Ion 91.15 (90.85 to 91.85): VV008620.D (-1958) (-)

Ion 92.15 (91.85 to 92.85): VV008620.D (-1958) (-)

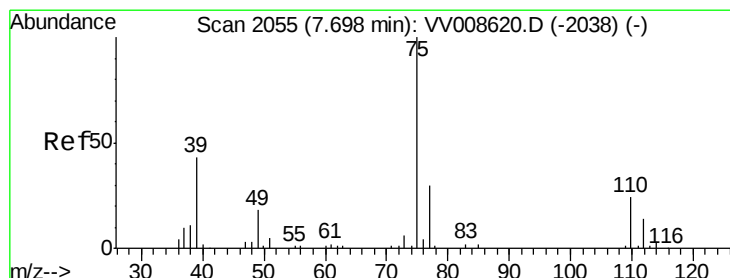
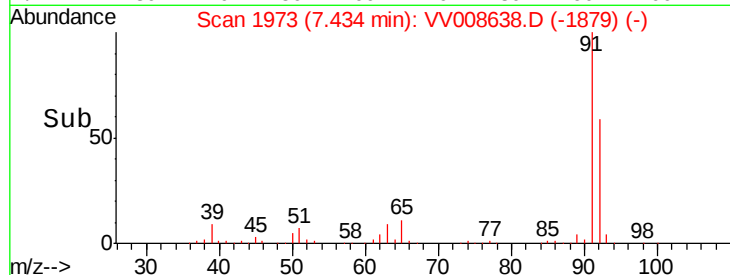
7.43

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 4.884 ug/L

RT: 7.70 min Scan# 2055

Delta R.T. 0.00 min

Lab File: VV008638.D

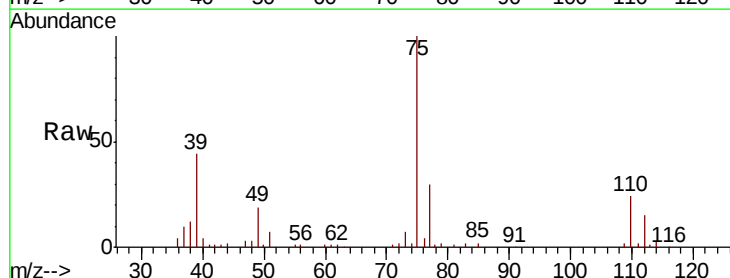
Acq: 17 Nov 2018 19:25

Tgt Ion: 75 Resp: 51813

Ion Ratio Lower Upper

75 100

77 30.3 23.0 42.6



Abundance Ion 75.05 (74.75 to 75.75): VV008620.D (-2038) (-)

Ion 77.05 (76.75 to 77.75): VV008620.D (-2038) (-)

7.70

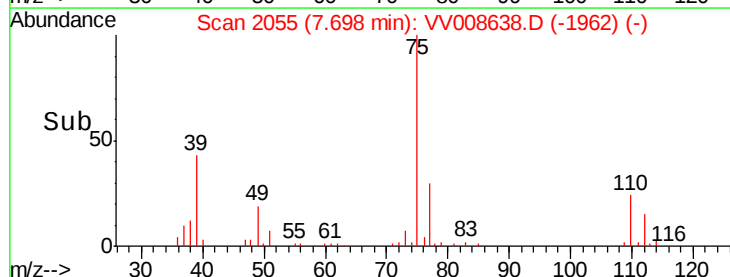
30000

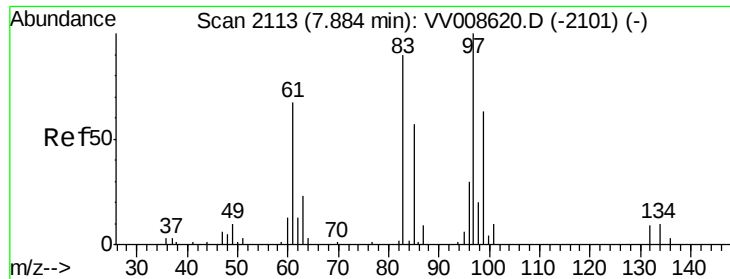
20000

10000

0

Time-->

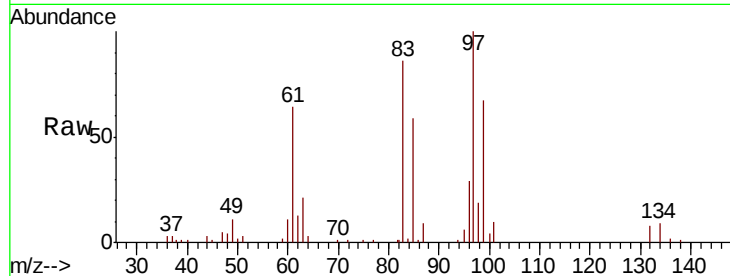




#45
 1,1,2-Trichloroethane
 Concen: 5.254 ug/L
 RT: 7.89 min Scan# 2114
 Delta R.T. 0.00 min
 Lab File: VV008638.D
 Acq: 17 Nov 2018 19:25

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00579

Tot Ion:	97	Resp:	32392
Ion	Ratio	Lower	Upper
97	100		
99	66.7	43.0	79.8
83	86.3	63.0	117.0
85	59.0	40.1	74.5



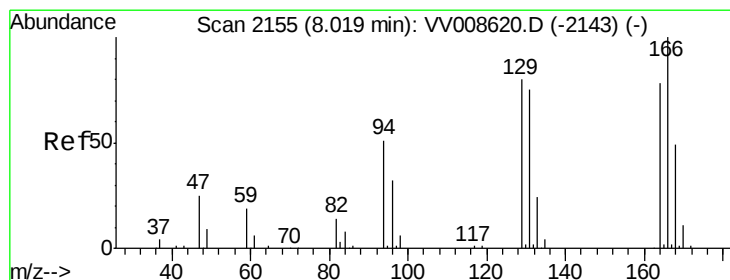
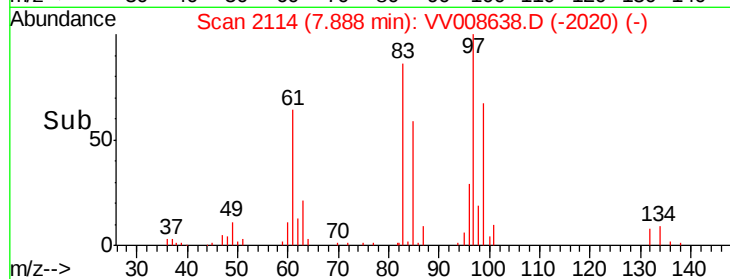
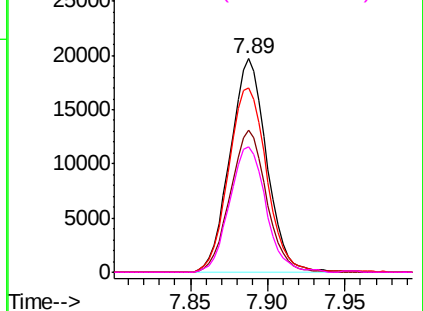
Abundance

Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

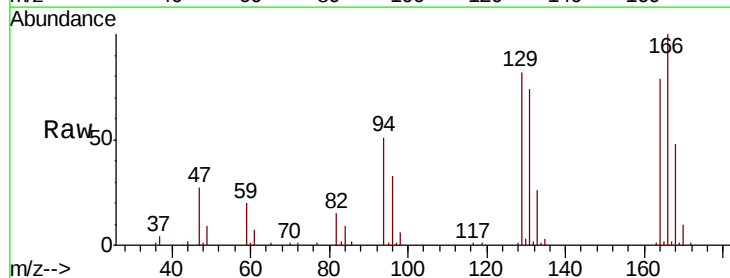
Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0



#47
 Tetrachloroethene
 Concen: 5.304 ug/L
 RT: 8.02 min Scan# 2155
 Delta R.T. 0.00 min
 Lab File: VV008638.D
 Acq: 17 Nov 2018 19:25

Tgt Ion:	164	Resp:	37389
Ion	Ratio	Lower	Upper
164	100		
129	104.7	67.5	125.4
131	94.4	66.4	123.4
166	127.2	85.8	159.3



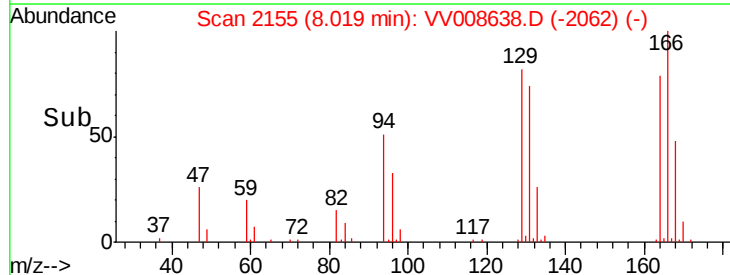
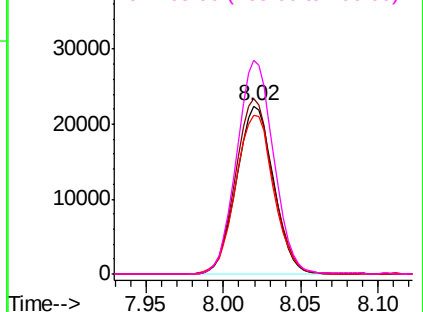
Abundance

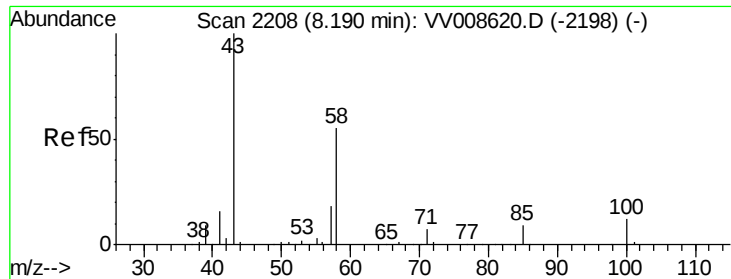
Ion 163.90 (163.60 to 164.60): V

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

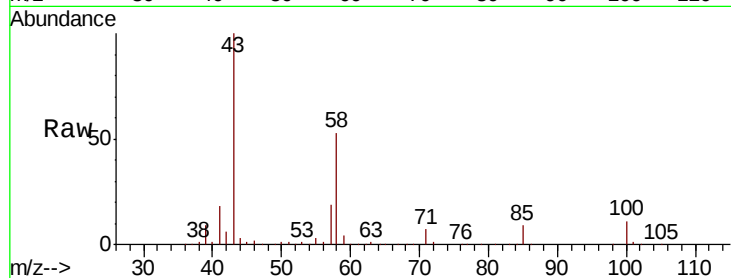




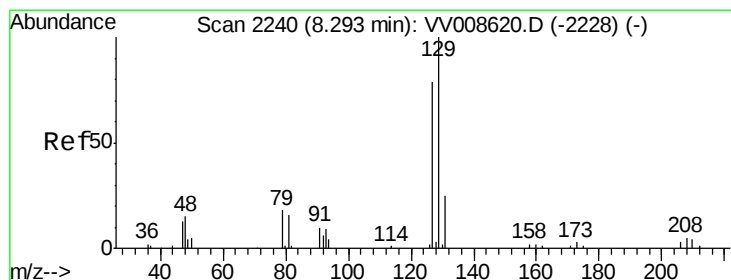
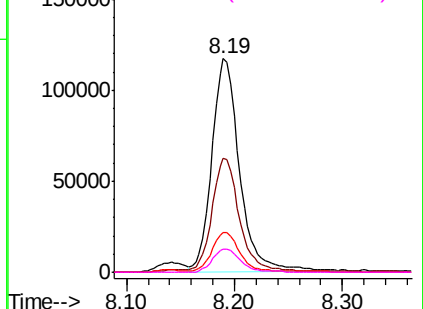
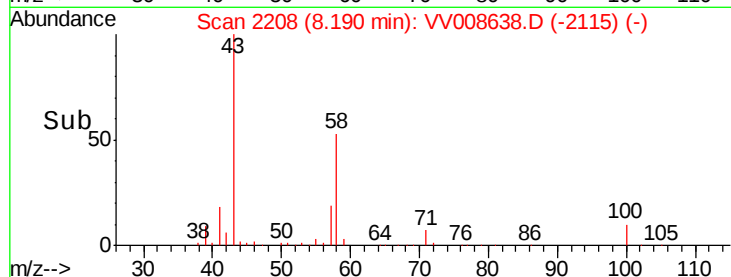
#48
2-Hexanone
Concen: 54.037 ug/L
RT: 8.19 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VV008638.D
Acq: 17 Nov 2018 19:25

Instrument :
MSVOA_V
ClientSampleId :
VSTD00579

Tot Ion:	43	Resp:	206797
Ion	Ratio	Lower	Upper
43	100		
58	55.6	41.8	62.8
57	18.6	15.4	23.0
100	11.3	8.7	13.1

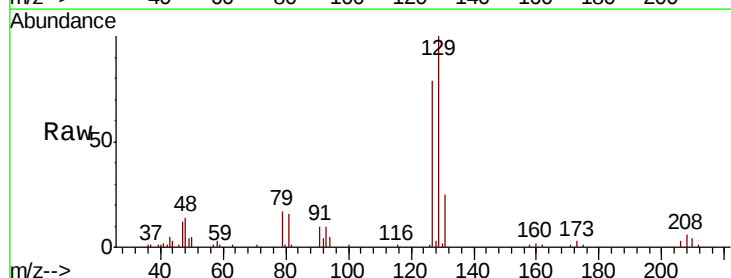


Abundance Ion 43.05 (42.75 to 43.75): VV008638.D (-2115) (-)
Ion 58.05 (57.75 to 58.75): VV008638.D (-2115) (-)
Ion 57.20 (56.90 to 57.90): VV008638.D (-2115) (-)
Ion 100.15 (99.85 to 100.85): VV008638.D (-2115) (-)

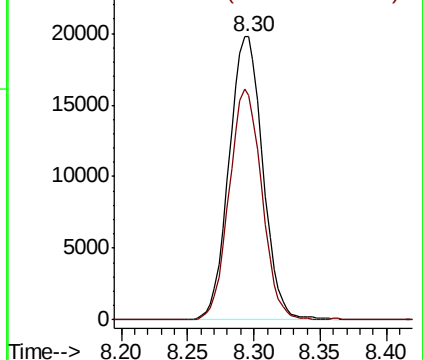
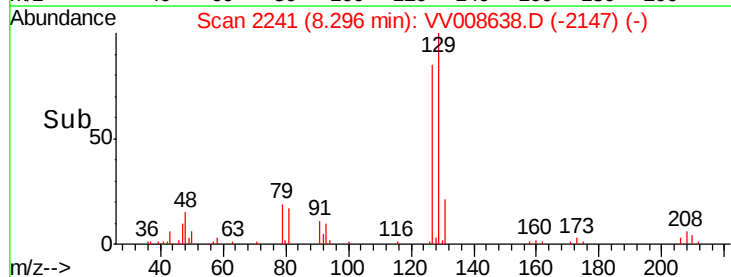


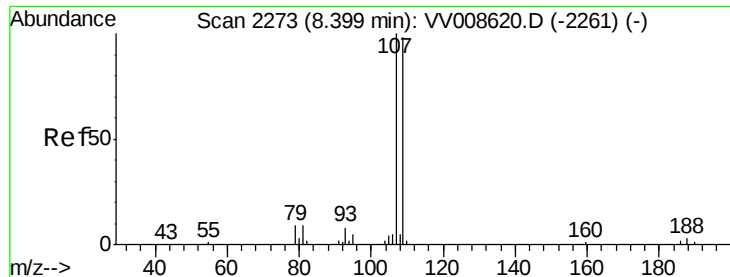
#49
Dibromochloromethane
Concen: 4.992 ug/L
RT: 8.30 min Scan# 2241
Delta R.T. 0.00 min
Lab File: VV008638.D
Acq: 17 Nov 2018 19:25

Tgt Ion:	129	Resp:	34999
Ion	Ratio	Lower	Upper
129	100		
127	79.1	54.6	101.4



Abundance Ion 128.95 (128.65 to 129.65): VV008638.D (-2147) (-)
Ion 126.90 (126.60 to 127.60): VV008638.D (-2147) (-)

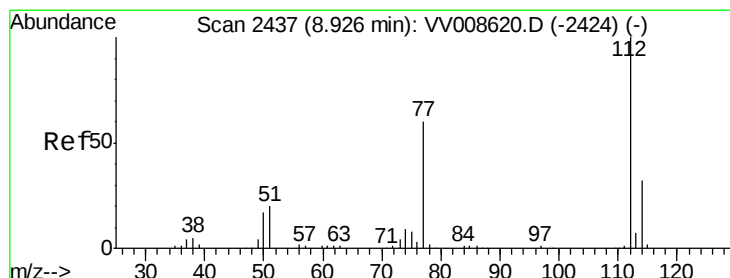
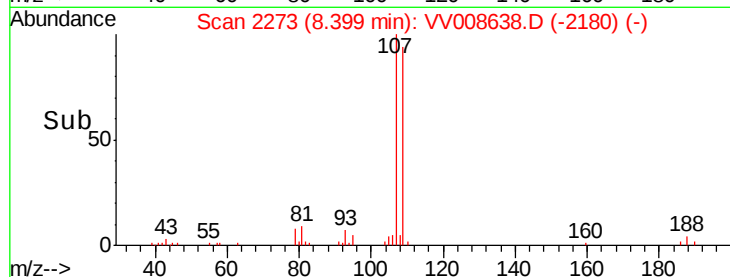
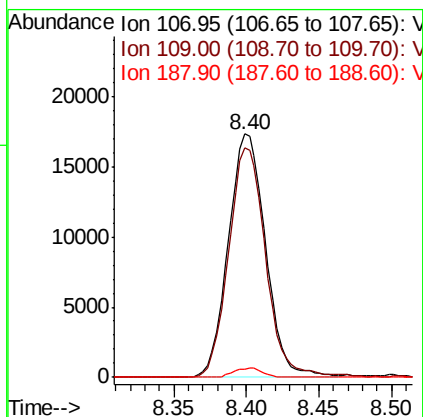
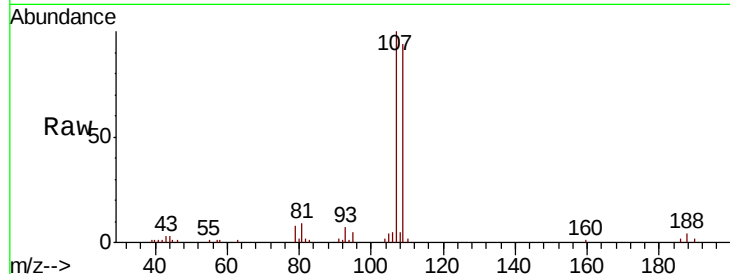




#50
 1,2-Dibromoethane
 Concen: 5.543 ug/L
 RT: 8.40 min Scan# 2273
 Delta R.T. 0.00 min
 Lab File: VV008638.D
 Acq: 17 Nov 2018 19:25

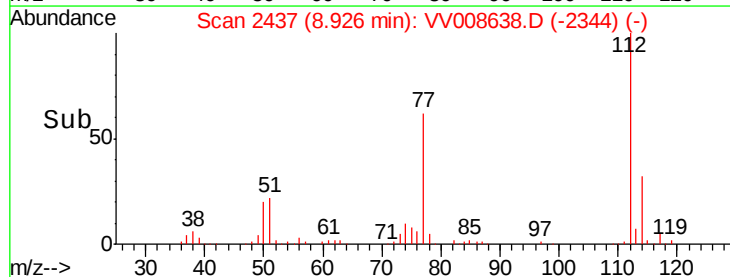
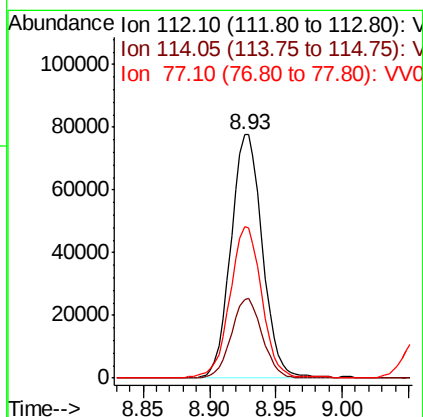
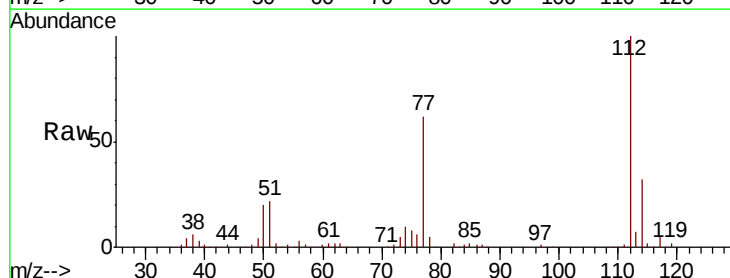
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00579

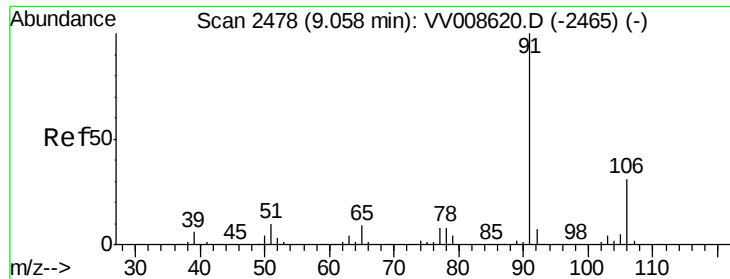
Tot Ion	Ratio	Lower	Upper
107	100		
109	94.3	62.1	115.3
188	3.5	2.2	3.4#



#51
 Chlorobenzene
 Concen: 5.420 ug/L
 RT: 8.93 min Scan# 2437
 Delta R.T. 0.00 min
 Lab File: VV008638.D
 Acq: 17 Nov 2018 19:25

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.3	21.9	40.7
77	62.3	47.9	71.9





#52

Ethylbenzene

Concen: 5.331 ug/L

RT: 9.06 min Scan# 2478

Delta R.T. 0.00 min

Lab File: VV008638.D

Acq: 17 Nov 2018 19:25

Instrument :

MSVOA_V

ClientSampleId :

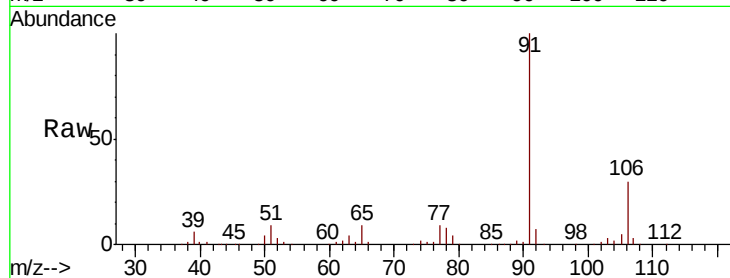
VSTD00579

Tot Ion: 91 Resp: 225366

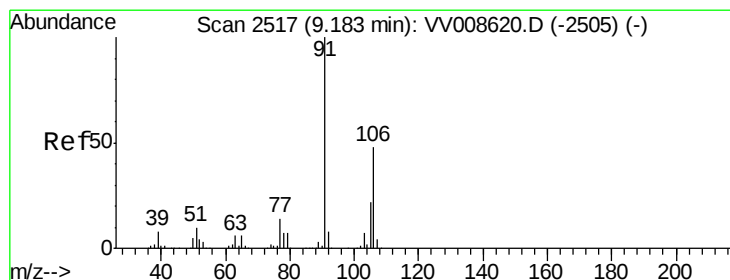
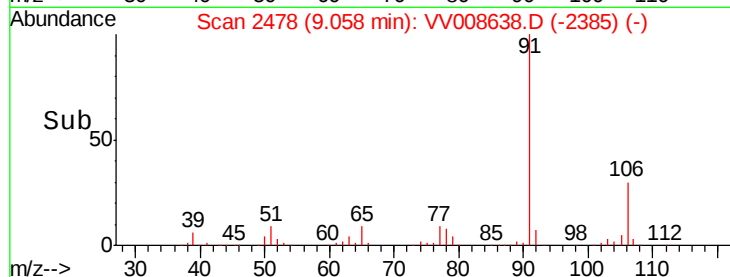
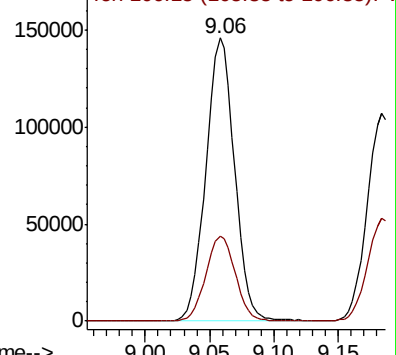
Ion Ratio Lower Upper

91 100

106 30.0 21.3 39.6



Abundance Ion 91.15 (90.85 to 91.85): VV008638.D (-2385) (-)



#53

m,p-xylene

Concen: 5.363 ug/L

RT: 9.18 min Scan# 2517

Delta R.T. 0.00 min

Lab File: VV008638.D

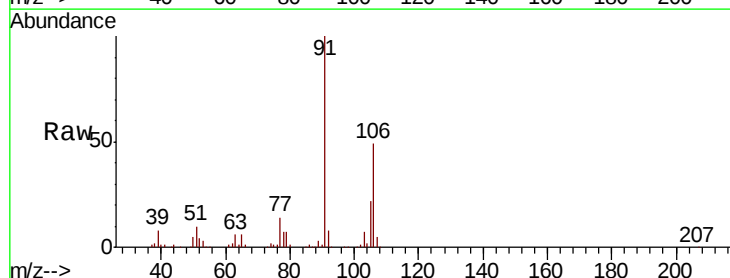
Acq: 17 Nov 2018 19:25

Tgt Ion: 106 Resp: 83821

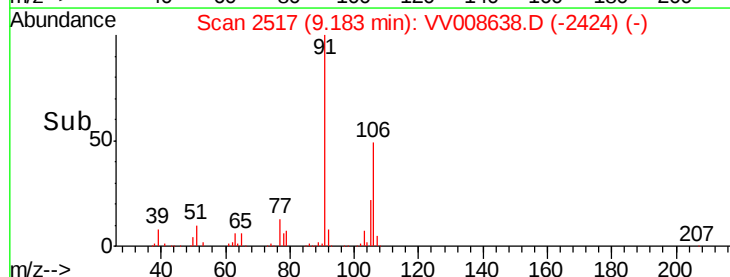
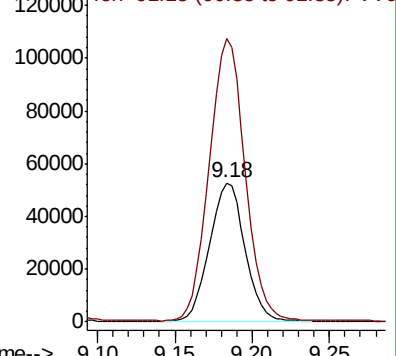
Ion Ratio Lower Upper

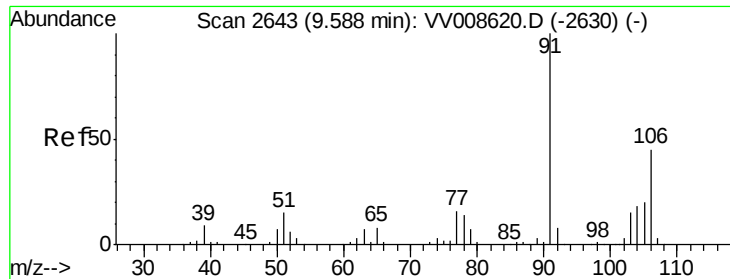
106 100

91 203.1 144.0 267.4



Abundance Ion 106.15 (105.85 to 106.85): VV008638.D (-2424) (-)





#54

o-xylene

Concen: 5.287 ug/L

RT: 9.59 min Scan# 2643

Delta R.T. 0.00 min

Lab File: VV008638.D

Acq: 17 Nov 2018 19:25

Instrument :

MSVOA_V

ClientSampled :

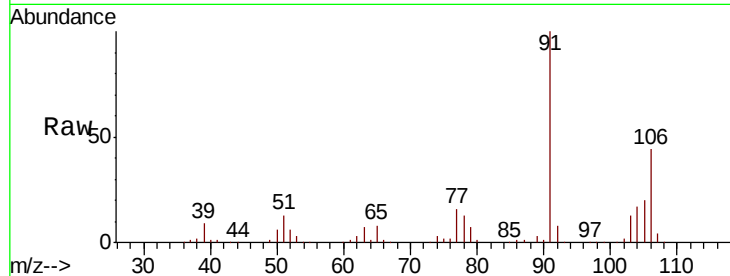
VSTD00579

Tot Ion:106 Resp: 80404

Ion Ratio Lower Upper

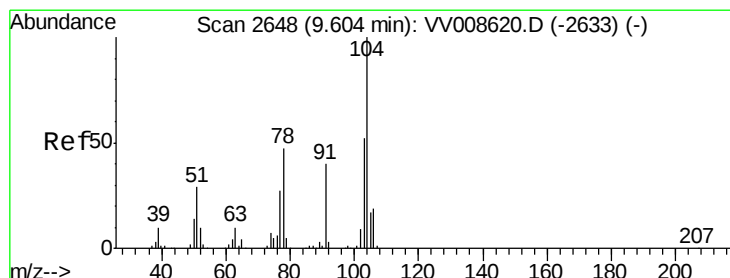
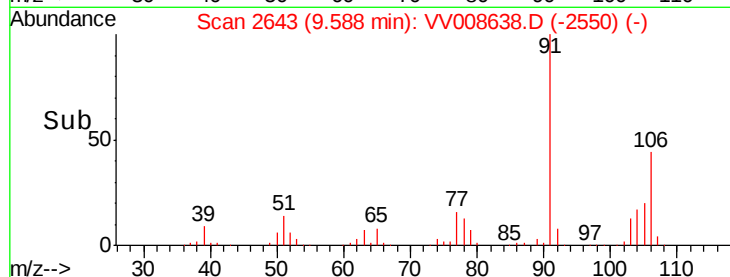
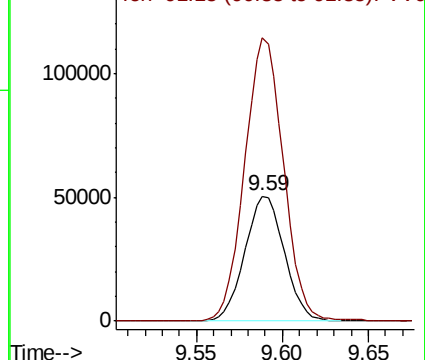
106 100

91 226.3 152.9 284.1



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 5.468 ug/L

RT: 9.61 min Scan# 2649

Delta R.T. 0.00 min

Lab File: VV008638.D

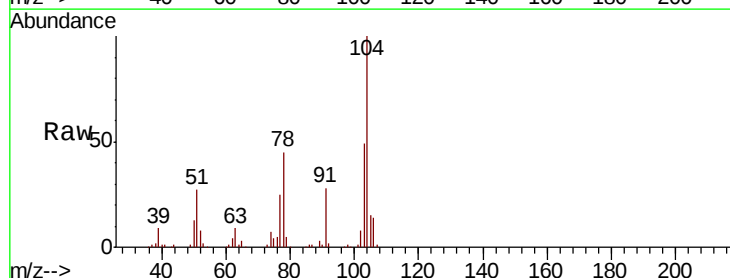
Acq: 17 Nov 2018 19:25

Tgt Ion:104 Resp: 134222

Ion Ratio Lower Upper

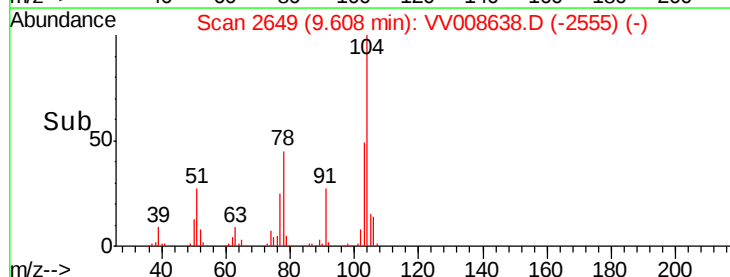
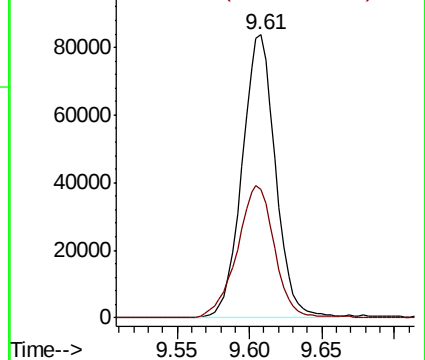
104 100

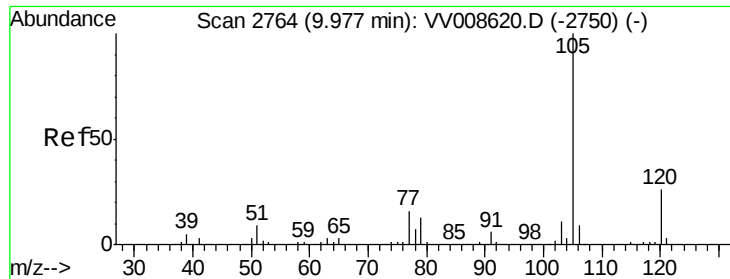
78 45.4 32.9 61.1



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 5.384 ug/L

RT: 9.98 min Scan# 2764

Delta R.T. 0.00 min

Lab File: VV008638.D

Acq: 17 Nov 2018 19:25

Instrument :

MSVOA_V

ClientSampleId :

VSTD00579

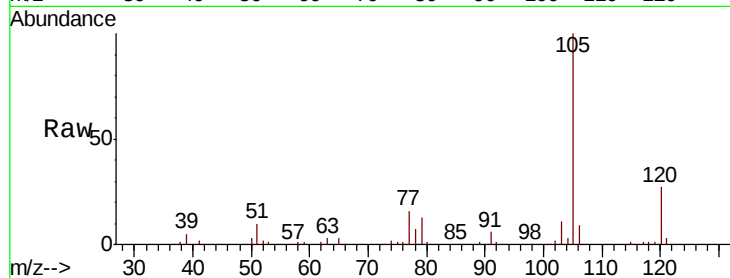
Tot Ion:105 Resp: 219877

Ion Ratio Lower Upper

105 100

120 26.5 21.0 31.6

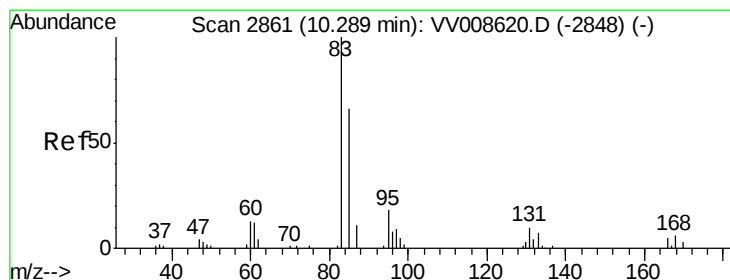
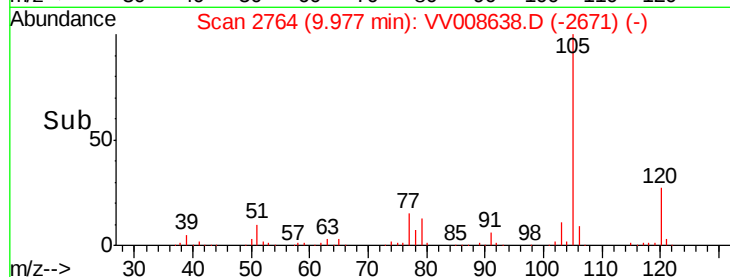
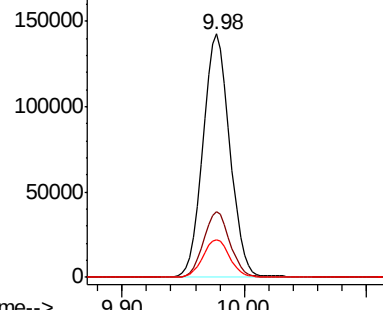
77 15.5 13.0 19.4



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: 5.359 ug/L

RT: 10.29 min Scan# 2861

Delta R.T. 0.00 min

Lab File: VV008638.D

Acq: 17 Nov 2018 19:25

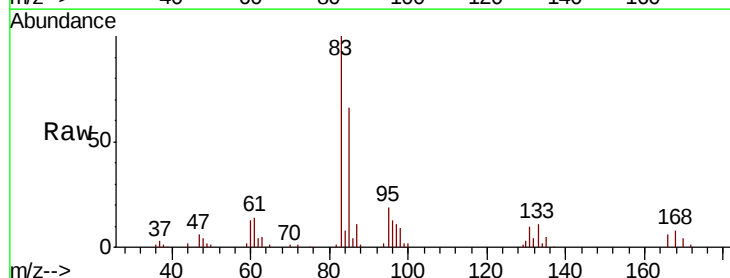
Tgt Ion: 83 Resp: 38995

Ion Ratio Lower Upper

83 100

85 65.7 44.8 83.2

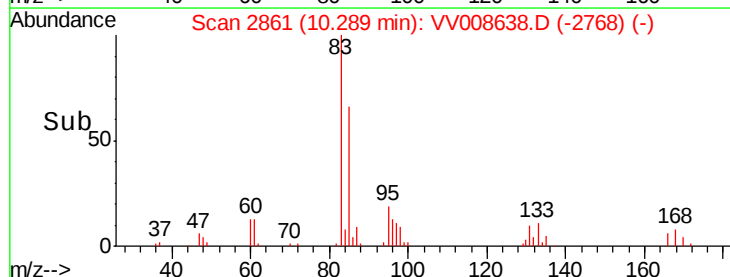
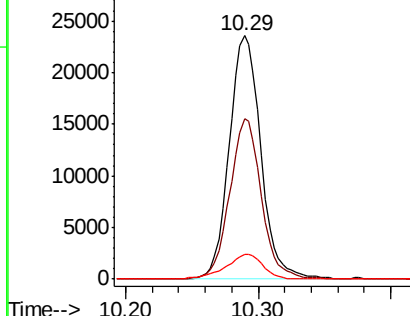
131 10.0 8.1 12.1

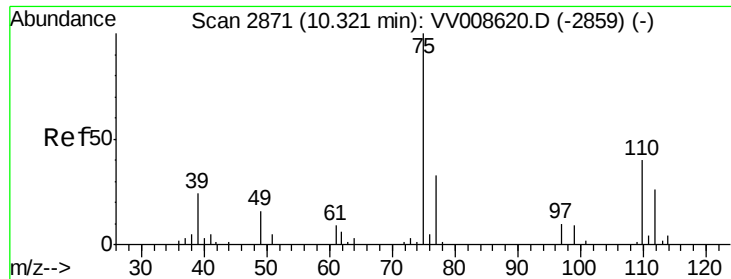


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V

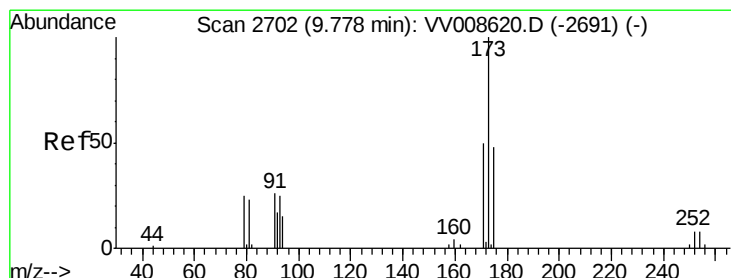
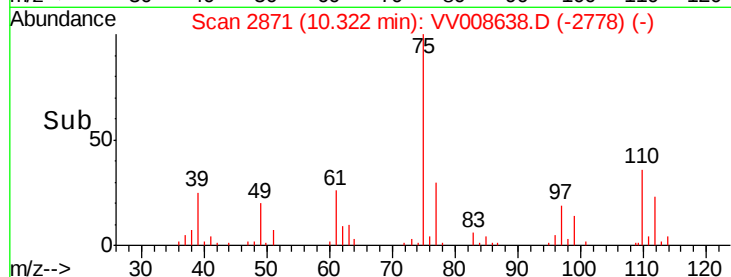
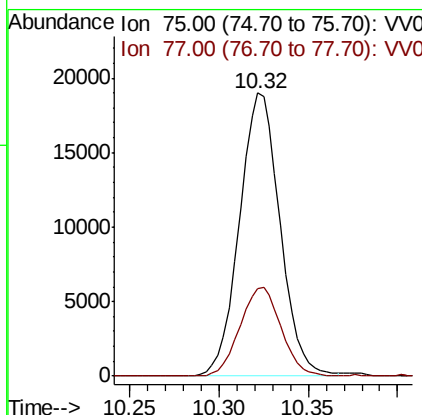
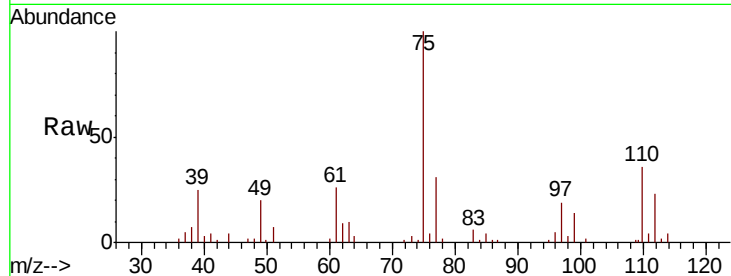




#59
 1,2,3-Trichloropropane
 Concen: 5.511 ug/L
 RT: 10.32 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VV008638.D
 Acq: 17 Nov 2018 19:25

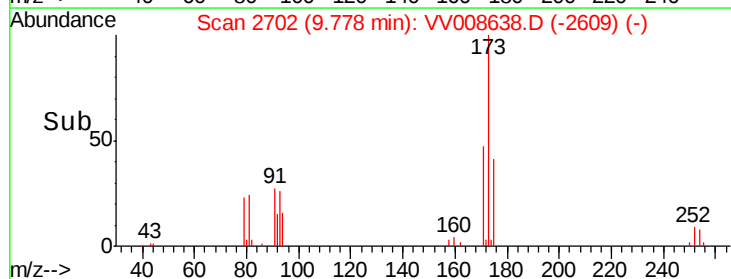
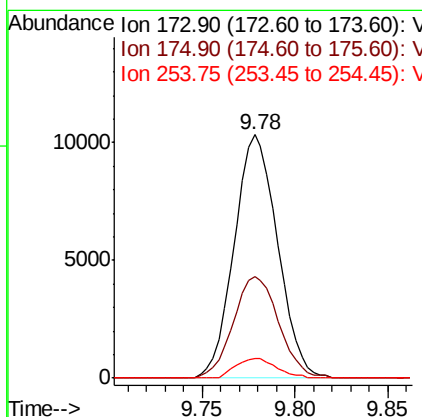
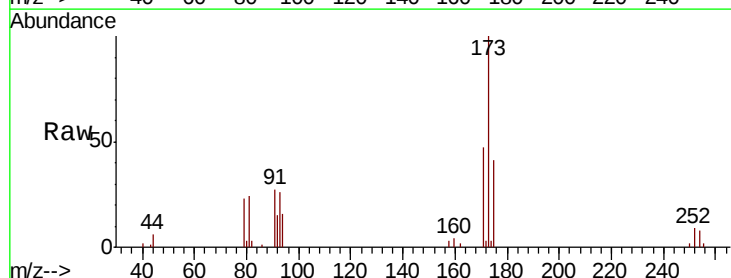
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00579

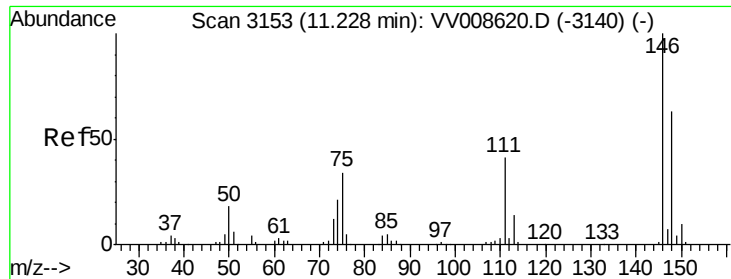
Tot Ion: 75 Resp: 30278
 Ion Ratio Lower Upper
 75 100
 77 31.7 25.2 37.8



#61
 Bromoform
 Concen: 4.627 ug/L
 RT: 9.78 min Scan# 2702
 Delta R.T. 0.00 min
 Lab File: VV008638.D
 Acq: 17 Nov 2018 19:25

Tgt Ion: 173 Resp: 16814
 Ion Ratio Lower Upper
 173 100
 175 43.7 39.6 59.4
 254 7.7 6.2 9.4

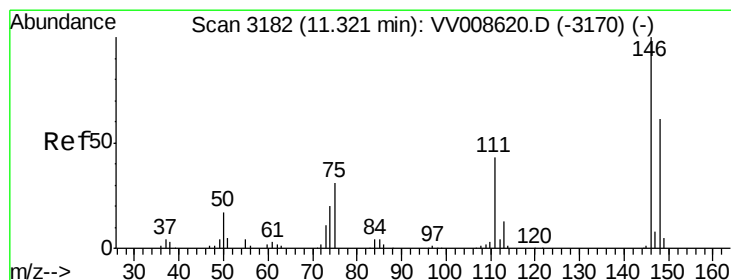
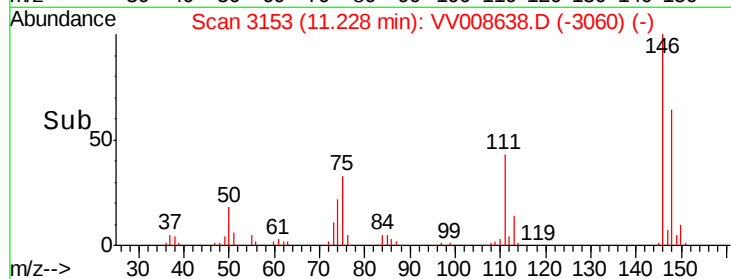
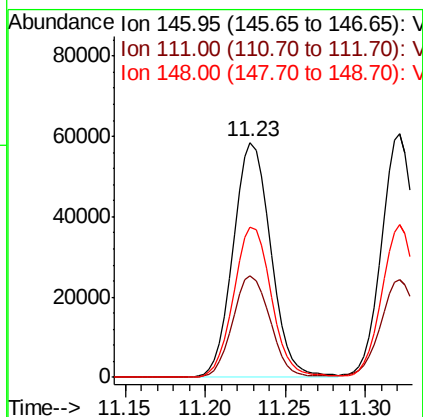
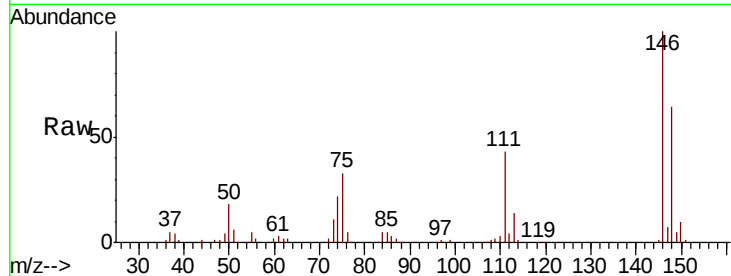




#62
 1,3-Dichlorobenzene
 Concen: 5.096 ug/L
 RT: 11.23 min Scan# 3153
 Delta R.T. 0.00 min
 Lab File: VV008638.D
 Acq: 17 Nov 2018 19:25

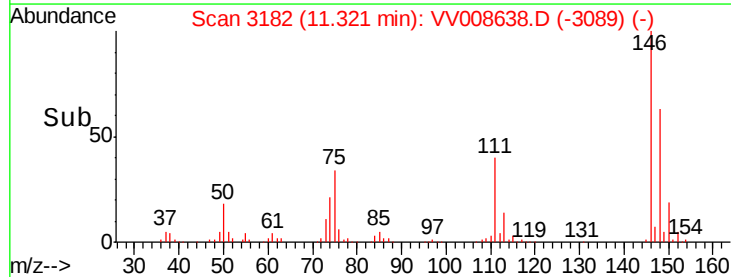
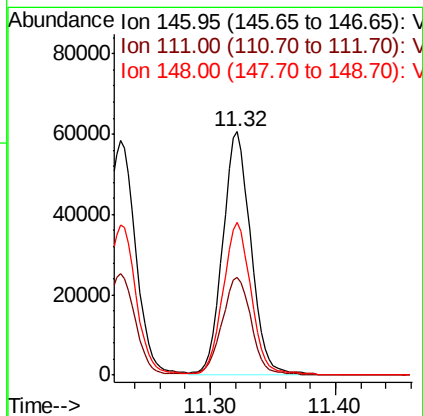
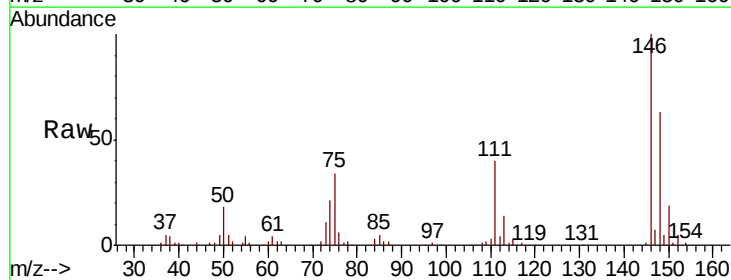
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00579

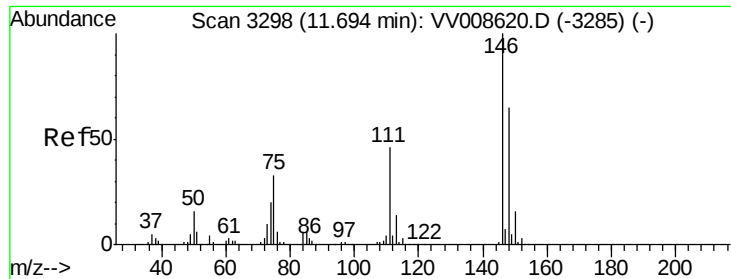
Tot Ion:146 Resp: 93881
 Ion Ratio Lower Upper
 146 100
 111 43.1 28.1 52.1
 148 63.9 43.0 80.0



#63
 1,4-Dichlorobenzene
 Concen: 5.217 ug/L
 RT: 11.32 min Scan# 3182
 Delta R.T. 0.00 min
 Lab File: VV008638.D
 Acq: 17 Nov 2018 19:25

Tgt Ion:146 Resp: 94713
 Ion Ratio Lower Upper
 146 100
 111 40.1 28.2 52.4
 148 62.7 44.1 81.9





#65

1,2-Dichlorobenzene

Concen: 5.121 ug/L

RT: 11.69 min Scan# 3298

Delta R.T. 0.00 min

Lab File: VV008638.D

Acq: 17 Nov 2018 19:25

Instrument :

MSVOA_V

ClientSampleId :

VSTD00579

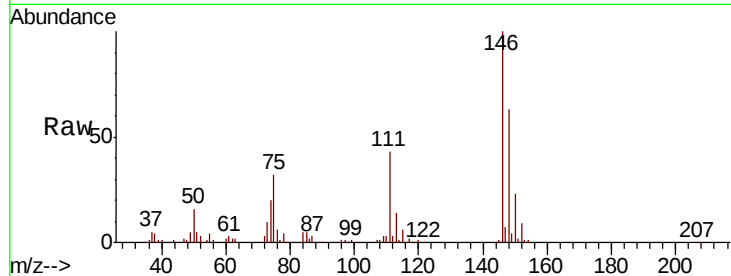
Tot Ion:146 Resp: 89811

Ion Ratio Lower Upper

146 100

111 43.2 33.5 50.3

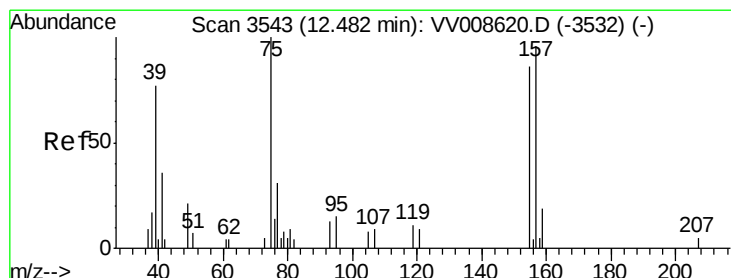
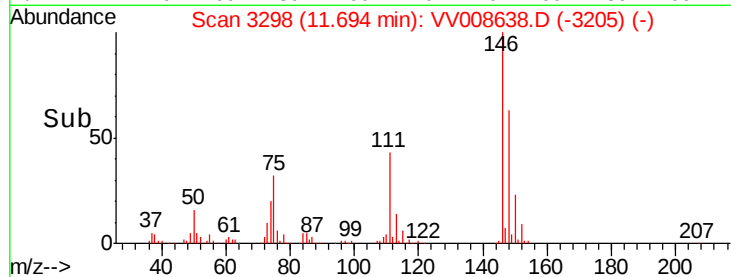
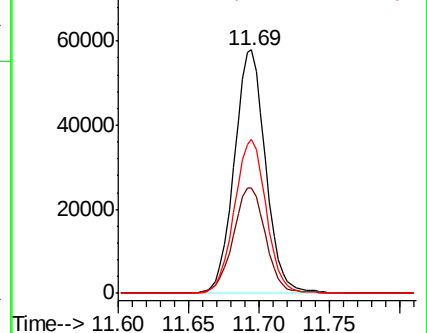
148 63.2 50.0 75.0



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: 4.735 ug/L

RT: 12.48 min Scan# 3542

Delta R.T. -0.00 min

Lab File: VV008638.D

Acq: 17 Nov 2018 19:25

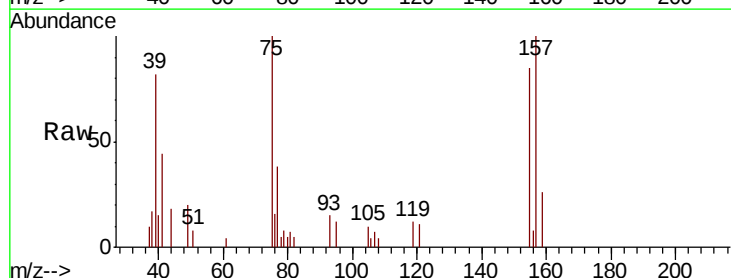
Tgt Ion: 75 Resp: 5314

Ion Ratio Lower Upper

75 100

155 85.4 54.2 81.2#

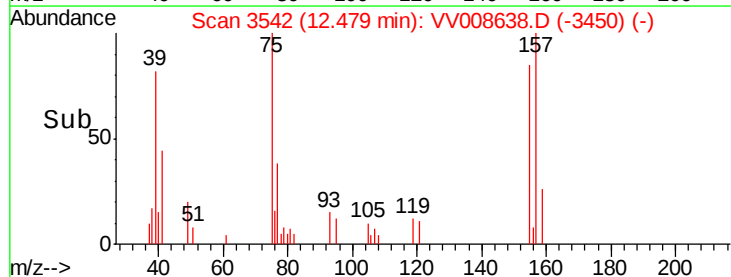
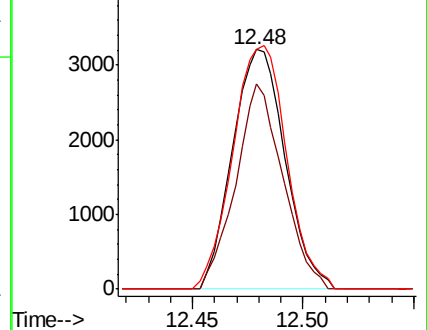
157 100.2 67.4 101.2

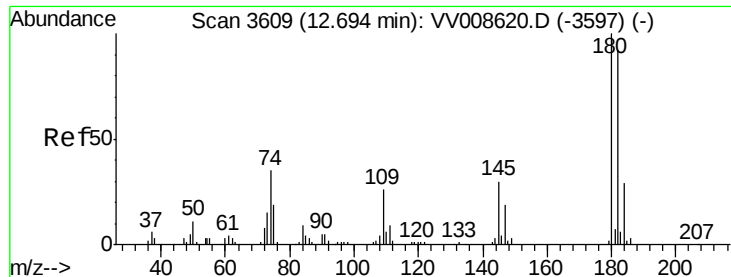


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

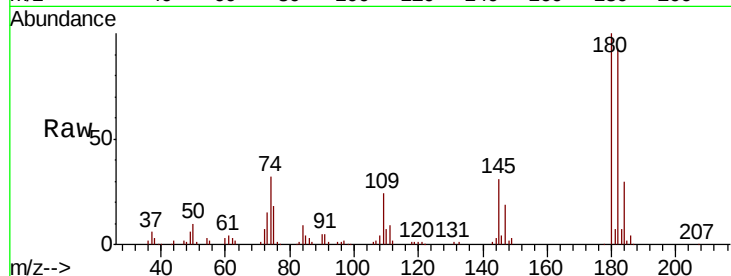




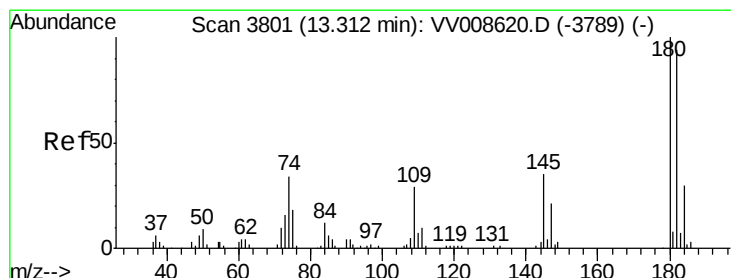
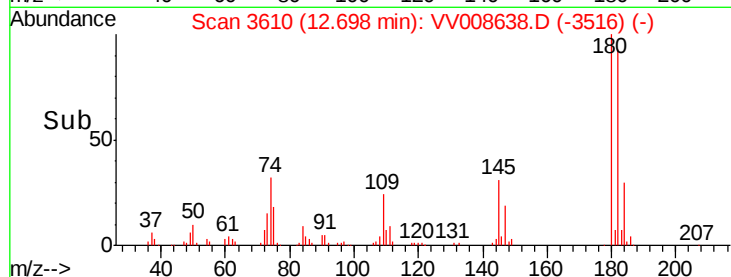
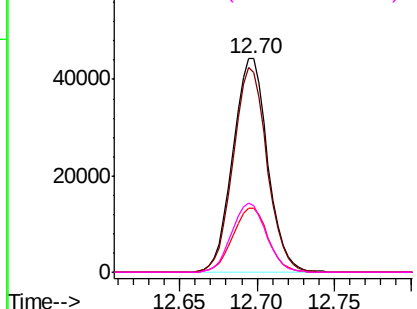
#67
 1,3,5-Trichlorobenzene
 Concen: 5.175 ug/L
 RT: 12.70 min Scan# 3610
 Delta R.T. 0.00 min
 Lab File: VV008638.D
 Acq: 17 Nov 2018 19:25

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00579

Tot Ion:180 Resp: 69031
 Ion Ratio Lower Upper
 180 100
 182 93.3 75.9 113.9
 184 30.7 23.9 35.9
 145 32.5 26.8 40.2

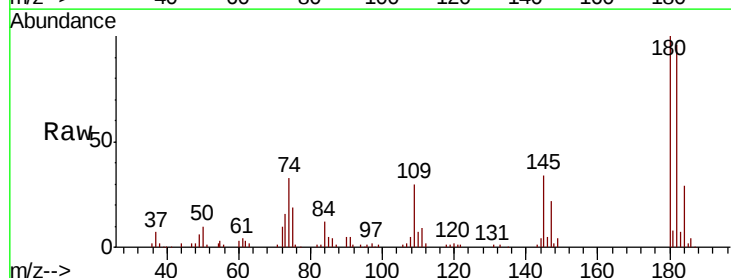


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

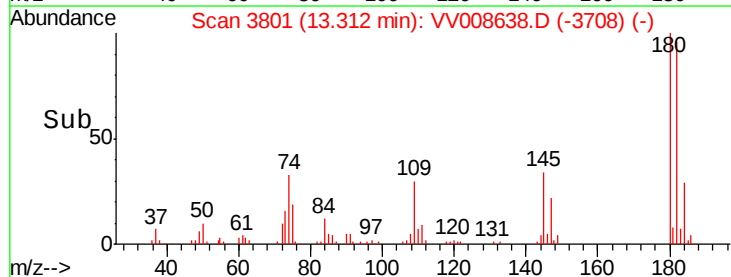
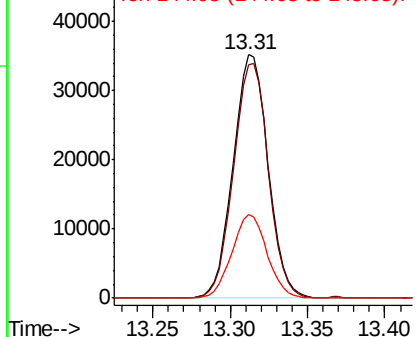


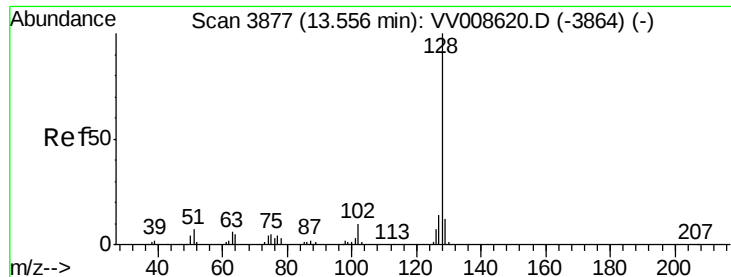
#68
 1,2,4-trichlorobenzene
 Concen: 5.138 ug/L
 RT: 13.31 min Scan# 3801
 Delta R.T. 0.00 min
 Lab File: VV008638.D
 Acq: 17 Nov 2018 19:25

Tgt Ion:180 Resp: 55230
 Ion Ratio Lower Upper
 180 100
 182 95.7 76.4 114.6
 145 34.4 27.1 40.7



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





#69

Naphthalene

Concen: 4.819 ug/L

RT: 13.55 min Scan# 3876

Delta R.T. -0.00 min

Lab File: VV008638.D

Acq: 17 Nov 2018 19:25

Instrument :

MSVOA_V

ClientSampleId :

VSTD00579

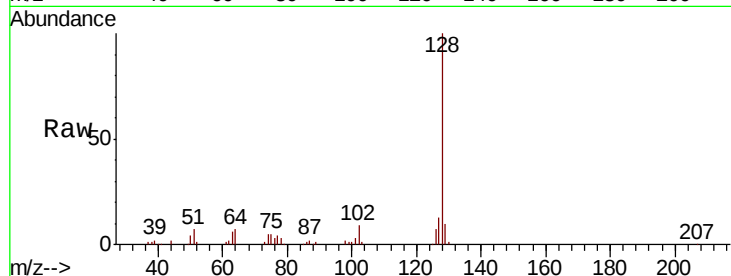
Tot Ion:128 Resp: 84151

Ion Ratio Lower Upper

128 100

129 10.6 8.8 13.2

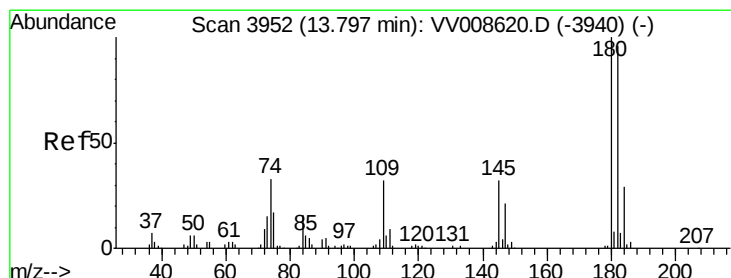
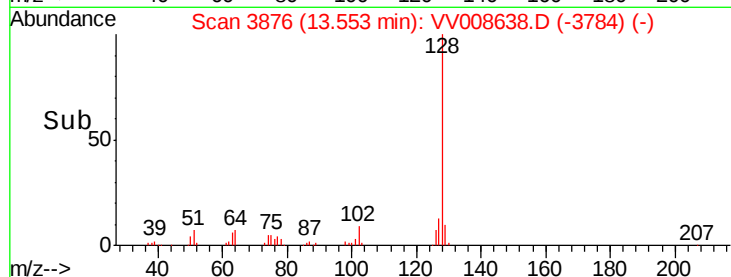
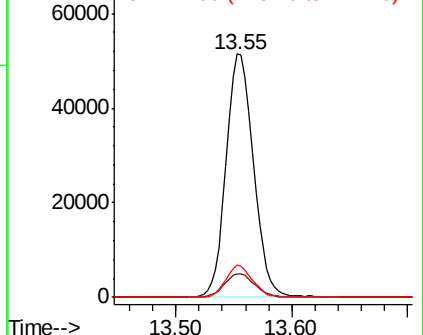
127 12.9 10.0 15.0



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: 5.132 ug/L

RT: 13.80 min Scan# 3952

Delta R.T. 0.00 min

Lab File: VV008638.D

Acq: 17 Nov 2018 19:25

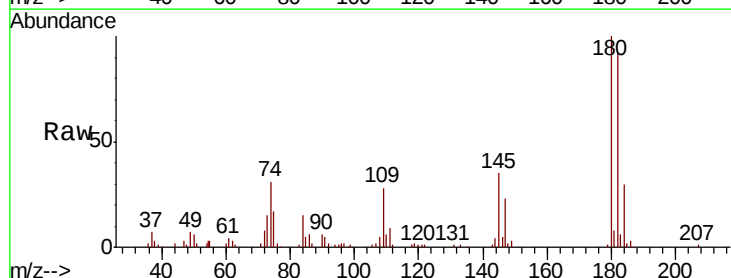
Tgt Ion:180 Resp: 50894

Ion Ratio Lower Upper

180 100

182 94.3 76.0 114.0

145 34.8 28.2 42.2



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

