

Data File : VV011240.D
Acq On : 05 Jun 2019 19:55
Operator : SY/MD
Sample : VSTDCCC025EC
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD00560

Quant Time: Jun 06 05:49:04 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR060419WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Jun 06 05:43:55 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	168909	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	159349	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	71594	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	52493	4.10	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	82.00%
7) Chloroethane-d5	1.58	69	43147	4.06	ug/L	0.02
Spiked Amount	5.000	Range	65 - 130	Recovery	=	81.20%
11) 1,1-Dichloroethene-d2	2.13	63	116755	4.57	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	91.40%
20) 2-Butanone-d5	3.97	46	157729	54.74	ug/L	0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	109.48%
24) Chloroform-d	4.40	84	100234	4.45	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.00%
26) 1,2-Dichloroethane-d4	5.08	65	58041	4.77	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.40%
32) Benzene-d6	5.10	84	212897	4.47	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.40%
36) 1,2-Dichloropropane-d6	6.12	67	65993	4.49	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	89.80%
41) Toluene-d8	7.36	98	197245	4.51	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.20%
43) trans-1,3-Dichloropropene-	7.66	79	24543	4.38	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	87.60%
46) 2-Hexanone-d5	8.14	63	126160	53.35	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	106.70%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	51322	5.13	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	102.60%
64) 1,2-Dichlorobenzene-d4	11.67	152	66621	4.71	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	94.20%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	81239	4.877 ug/L	99
3) Chloromethane	1.25	50	74829	4.646 ug/L	98
5) Vinyl chloride	1.32	62	74708	4.807 ug/L	98
6) Bromomethane	1.53	94	13670	1.691 ug/L	93
8) Chloroethane	1.60	64	43313	4.362 ug/L	99
9) Trichlorofluoromethane	1.76	101	108197	5.072 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	54238	4.954 ug/L	98
12) 1,1-Dichloroethene	2.14	96	51662	4.854 ug/L	99
13) Acetone	2.23	43	107761	55.778 ug/L	100
14) Carbon disulfide	2.31	76	155386	4.813 ug/L	100
15) Methyl Acetate	2.47	43	26537	5.172 ug/L	95
16) Methylene chloride	2.53	84	56325	5.137 ug/L	99
17) Methyl tert-butyl Ether	2.81	73	150755	5.307 ug/L	98
18) trans-1,2-Dichloroethene	2.78	96	58816	4.936 ug/L	99
19) 1,1-Dichloroethane	3.23	63	114412	4.868 ug/L	99
21) 2-Butanone	4.05	43	172526	57.987 ug/L	95
22) cis-1,2-Dichloroethene	3.96	96	64852	4.915 ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	24456	4.835	ug/L	95
25) Chloroform	4.43	83	128071	5.276	ug/L	99
27) 1,2-Dichloroethane	5.18	62	75173	5.068	ug/L	99
29) 1,1,1-Trichloroethane	4.66	97	97761	4.810	ug/L	100
30) Cyclohexane	4.72	56	103911	4.611	ug/L	97
31) Carbon tetrachloride	4.87	117	81853	4.819	ug/L	99
33) Benzene	5.14	78	243009	4.793	ug/L	100
34) Trichloroethene	5.96	95	64029	4.888	ug/L	98
35) Methylcyclohexane	6.17	83	101001	4.662	ug/L	98
37) 1,2-Dichloropropane	6.22	63	59643	4.726	ug/L	99
38) Bromodichloromethane	6.55	83	77137	4.944	ug/L	99
39) cis-1,3-Dichloropropene	7.07	75	91313	4.946	ug/L	99
40) 4-Methyl-2-pentanone	7.28	43	449456	55.927	ug/L	99
42) Toluene	7.43	91	273365	5.058	ug/L	99
44) trans-1,3-Dichloropropene	7.69	75	68100	4.851	ug/L	98
45) 1,1,2-Trichloroethane	7.88	97	41838	5.179	ug/L	96
47) Tetrachloroethene	8.02	164	45788	4.837	ug/L	97
48) 2-Hexanone	8.19	43	318922	56.901	ug/L	99
49) Dibromochloromethane	8.29	129	45453	4.953	ug/L	97
50) 1,2-Dibromoethane	8.40	107	38463	5.009	ug/L	92
51) Chlorobenzene	8.92	112	164568	4.993	ug/L	100
52) Ethylbenzene	9.05	91	300174	5.002	ug/L	97
53) m,p-xylene	9.18	106	111167	5.009	ug/L	98
54) o-xylene	9.59	106	111189	5.105	ug/L	99
55) Styrene	9.60	104	183772	5.180	ug/L	99
56) Isopropylbenzene	9.97	105	291062	4.965	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	51444	5.253	ug/L	98
59) 1,2,3-Trichloropropane	10.32	75	38783	5.269	ug/L	98
61) Bromoform	9.78	173	21851	5.081	ug/L	97
62) 1,3-Dichlorobenzene	11.23	146	120328	5.083	ug/L	100
63) 1,4-Dichlorobenzene	11.32	146	117697	5.121	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	113065	5.167	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	7911	5.045	ug/L #	87
67) 1,3,5-Trichlorobenzene	12.69	180	85865	5.041	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	68875	5.327	ug/L	98
69) Naphthalene	13.55	128	128408	6.067	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	65542	5.653	ug/L	97

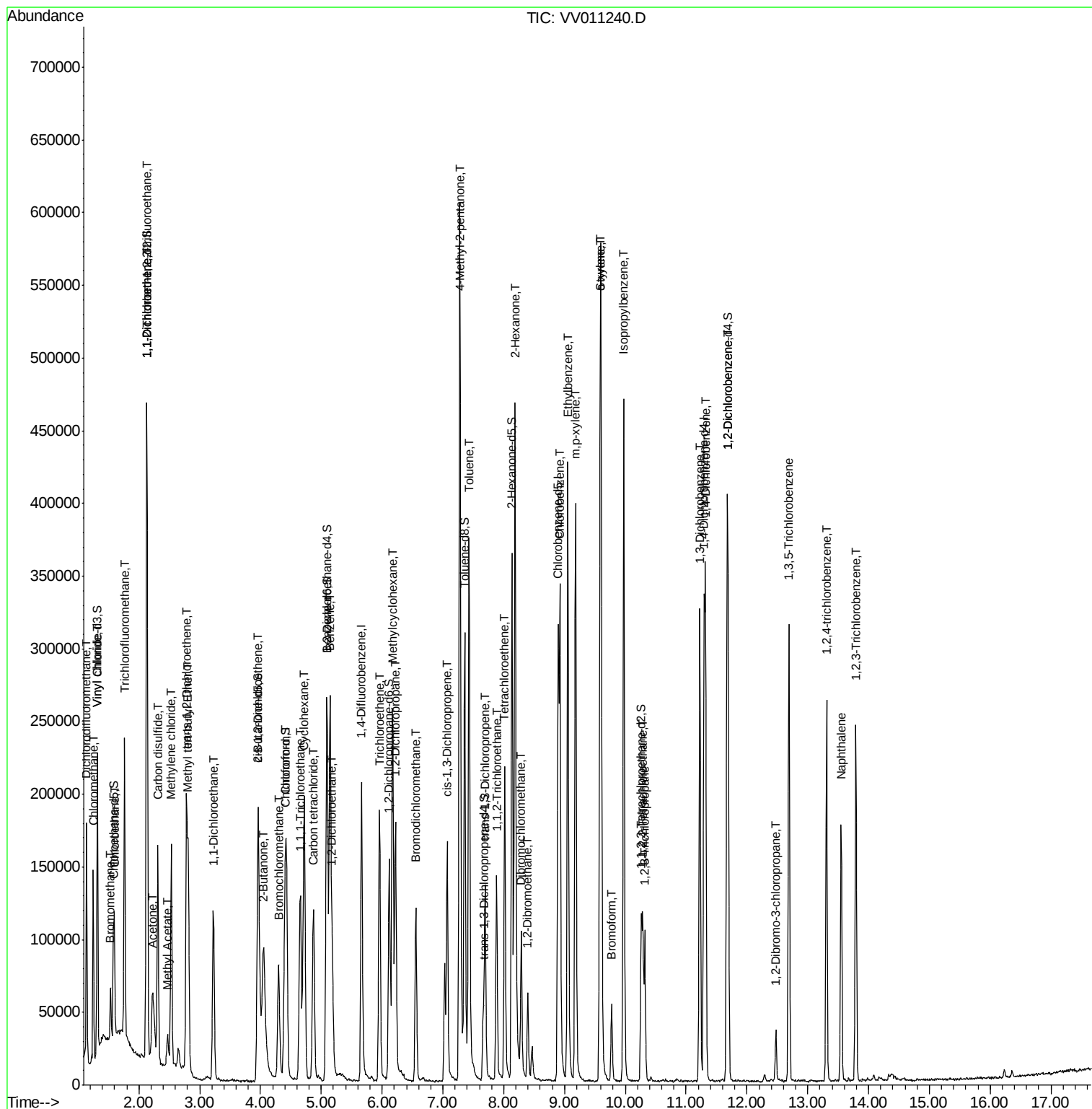
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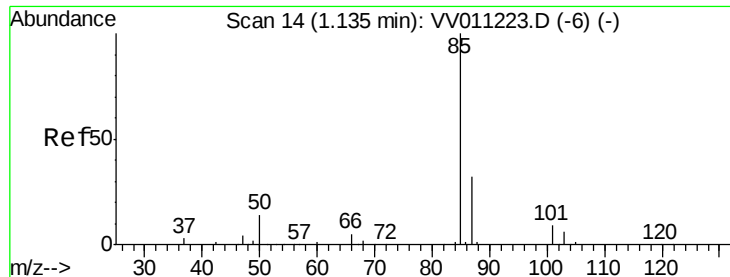
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#2

Dichlorodifluoromethane

Concen: 4.877 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV011240.D

Acq: 05 Jun 2019 19:55

Instrument :

MSVOA_V

ClientSampleId :

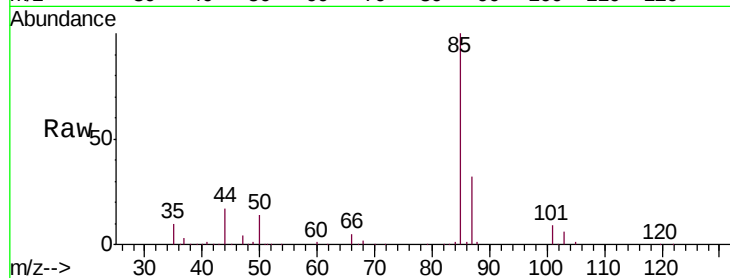
VSTD00560

Tgt Ion: 85 Resp: 81239

Ion Ratio Lower Upper

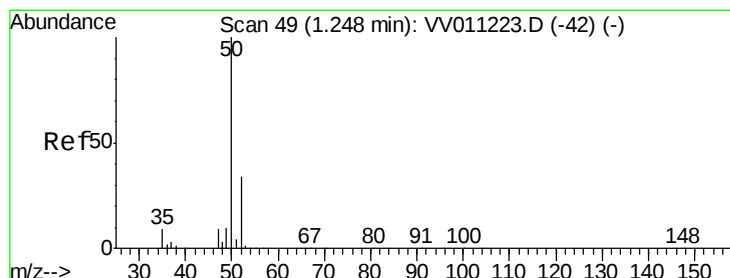
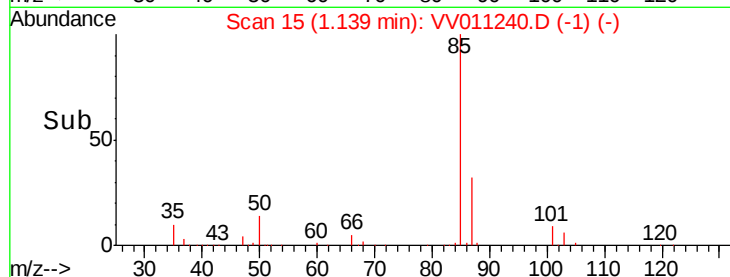
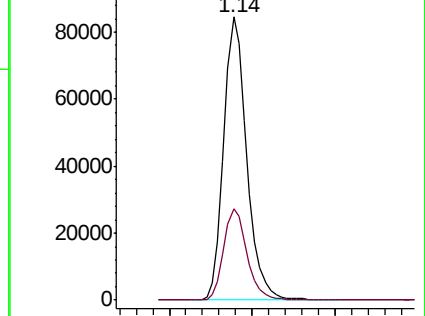
85 100

87 32.7 26.5 39.7



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 4.646 ug/L

RT: 1.25 min Scan# 49

Delta R.T. 0.00 min

Lab File: VV011240.D

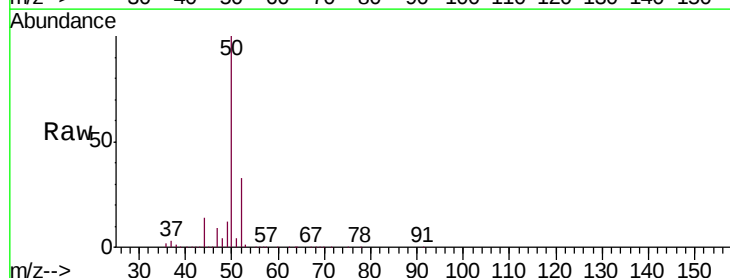
Acq: 05 Jun 2019 19:55

Tgt Ion: 50 Resp: 74829

Ion Ratio Lower Upper

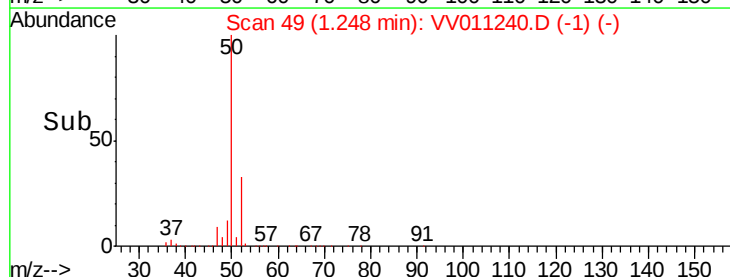
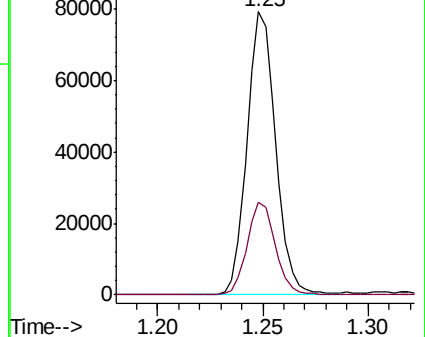
50 100

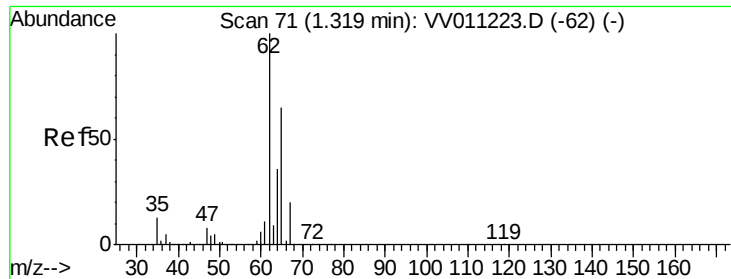
52 32.9 22.3 41.5



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0





#5

Vinyl chloride

Concen: 4.807 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV011240.D

Acq: 05 Jun 2019 19:55

Instrument :

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ClientSampleId :

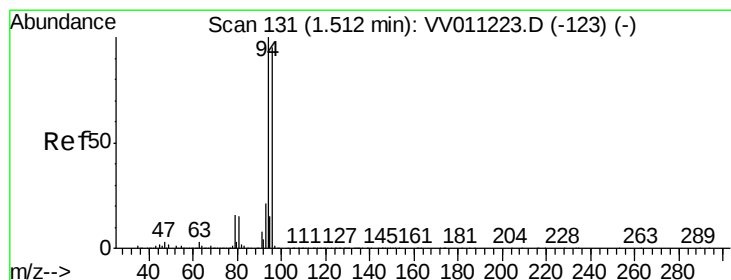
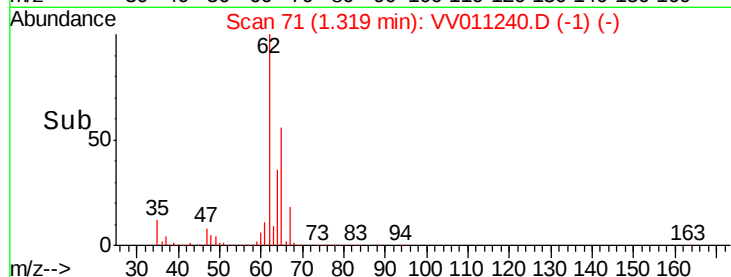
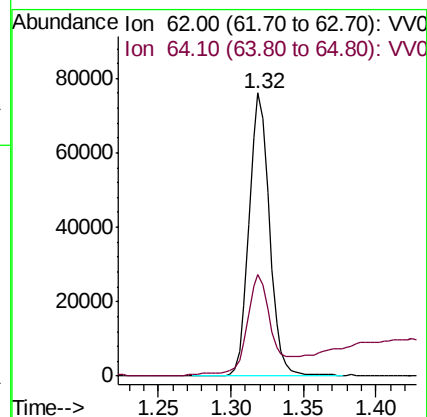
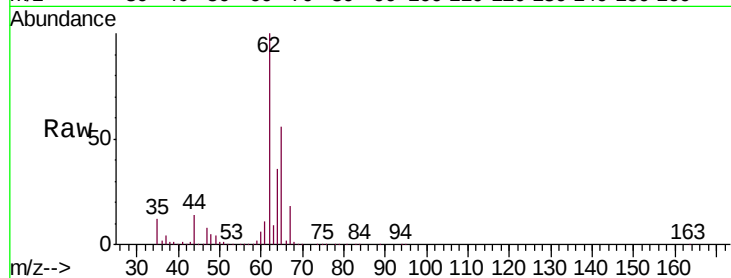
VSTD00560

Tgt Ion: 62 Resp: 74708

Ion Ratio Lower Upper

62 100

64 36.1 25.9 48.1



#6

Bromomethane

Concen: 1.691 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.02 min

Lab File: VV011240.D

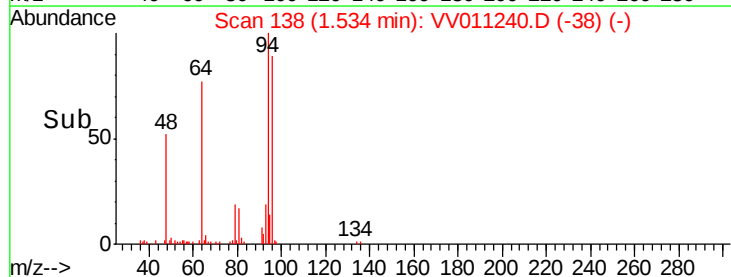
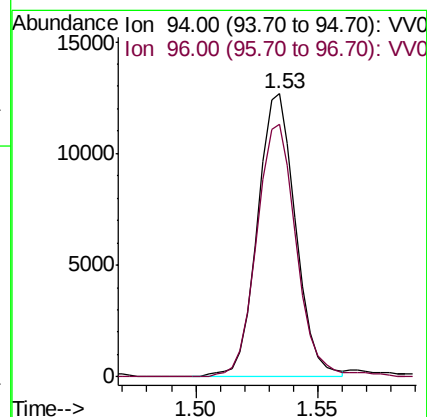
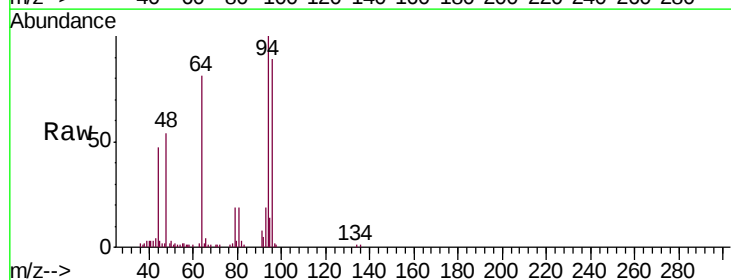
Acq: 05 Jun 2019 19:55

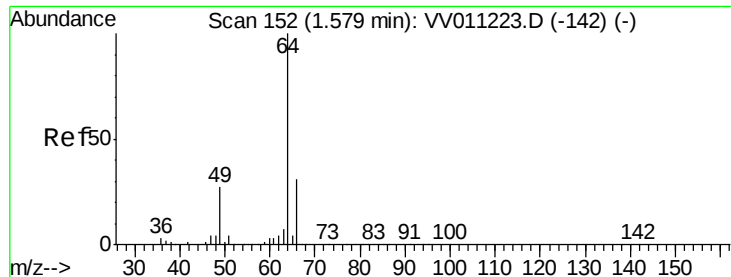
Tgt Ion: 94 Resp: 13670

Ion Ratio Lower Upper

94 100

96 89.3 67.0 124.4





#8

Chloroethane

Concen: 4.362 ug/L

RT: 1.60 min Scan# 158

Delta R.T. 0.02 min

Lab File: VV011240.D

Acq: 05 Jun 2019 19:55

Instrument :

MSVOA_V

ClientSampleId :

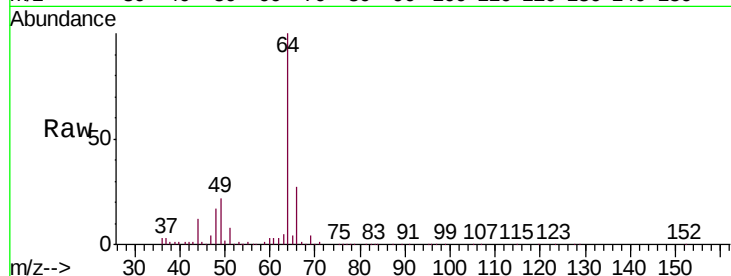
VSTD00560

Tgt Ion: 64 Resp: 43313

Ion Ratio Lower Upper

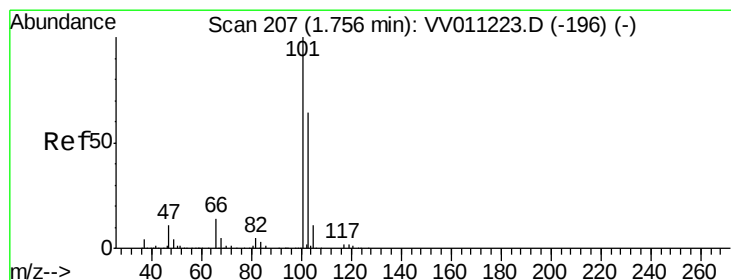
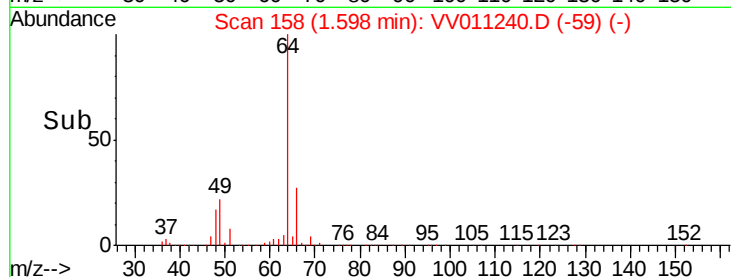
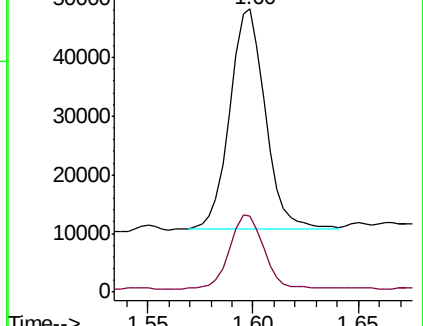
64 100

66 27.0 19.4 36.0



Abundance Ion 64.10 (63.80 to 64.80): VV011223.D (-142) (-)

Ion 66.05 (65.75 to 66.75): VV011223.D (-142) (-)



#9

Trichlorofluoromethane

Concen: 5.072 ug/L

RT: 1.76 min Scan# 209

Delta R.T. 0.01 min

Lab File: VV011240.D

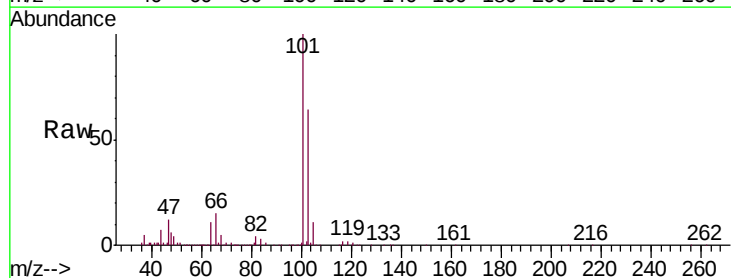
Acq: 05 Jun 2019 19:55

Tgt Ion: 101 Resp: 108197

Ion Ratio Lower Upper

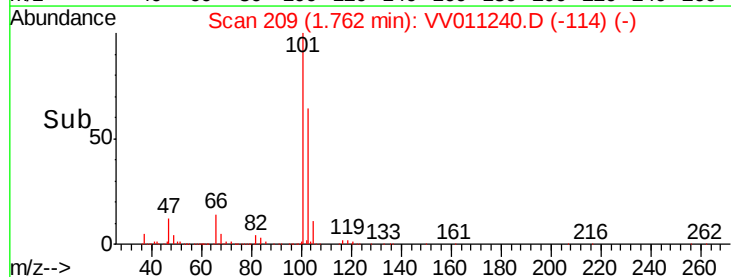
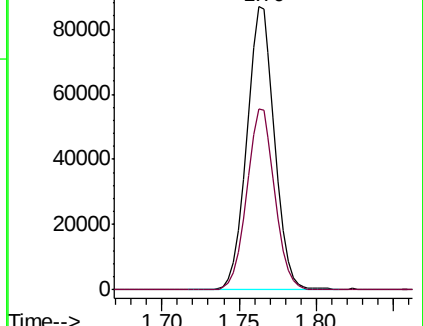
101 100

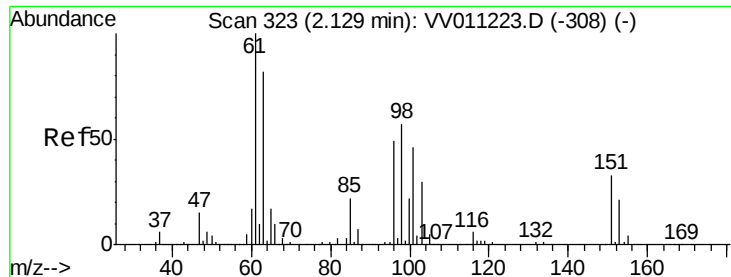
103 64.5 50.8 76.2



Abundance Ion 101.00 (100.70 to 101.70): VV011223.D (-196) (-)

Ion 103.00 (102.70 to 103.70): VV011223.D (-196) (-)





#10

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

Concen: 4.954 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV011240.D

Acq: 05 Jun 2019 19:55

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ClientSampleId :

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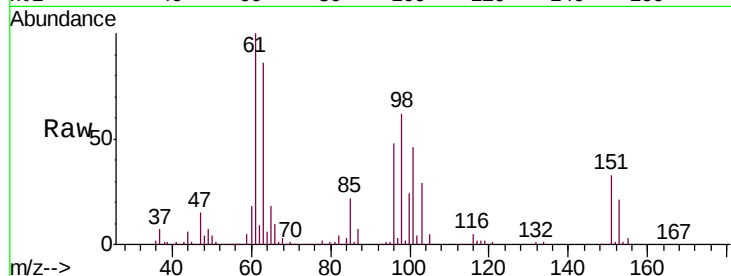
Tgt Ion: 101 Resp: 54238

Ion Ratio Lower Upper

101 100

85 46.7 35.5 53.3

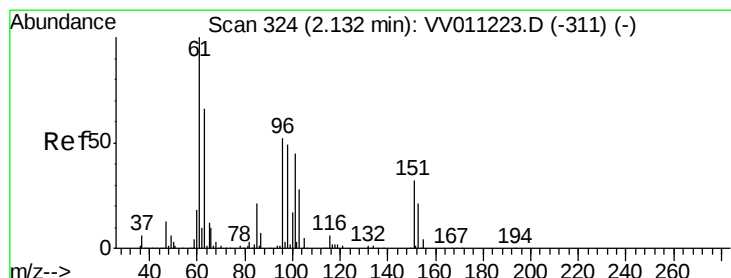
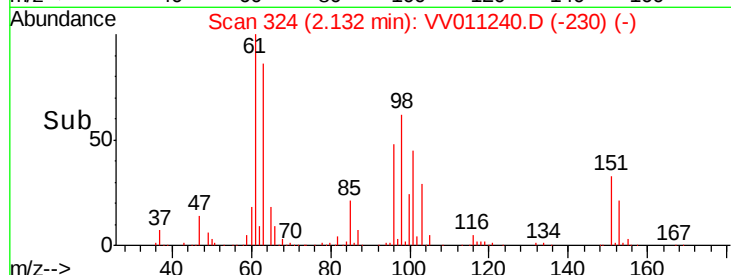
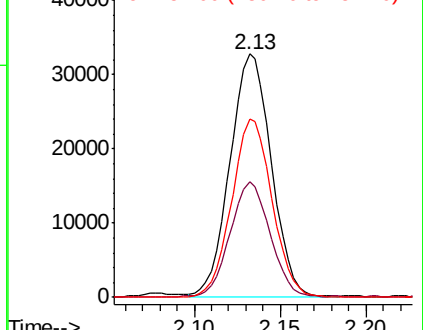
151 72.5 56.9 85.3



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 4.854 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV011240.D

Acq: 05 Jun 2019 19:55

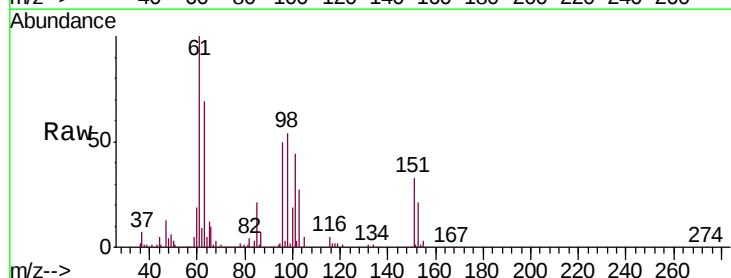
Tgt Ion: 96 Resp: 51662

Ion Ratio Lower Upper

96 100

61 200.3 139.8 259.6

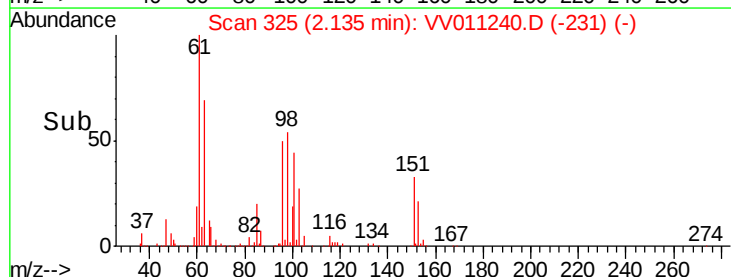
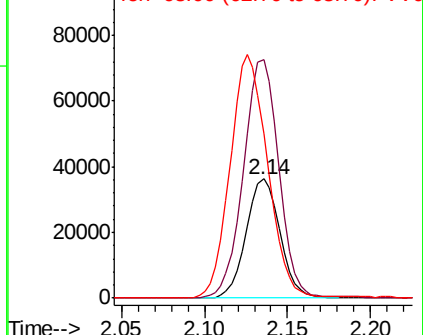
63 137.6 94.3 175.1

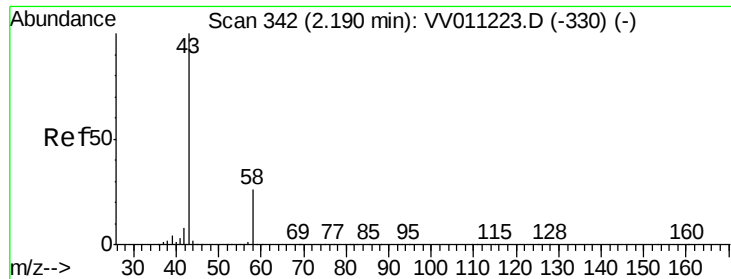


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 55.778 ug/L

RT: 2.23 min Scan# 354

Delta R.T. 0.04 min

Lab File: VV011240.D

Acq: 05 Jun 2019 19:55

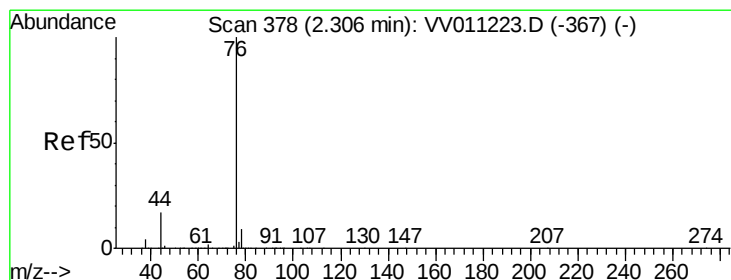
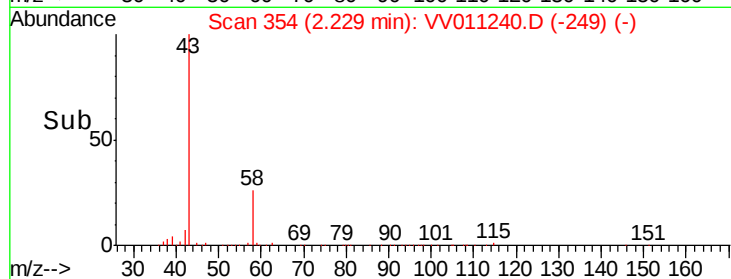
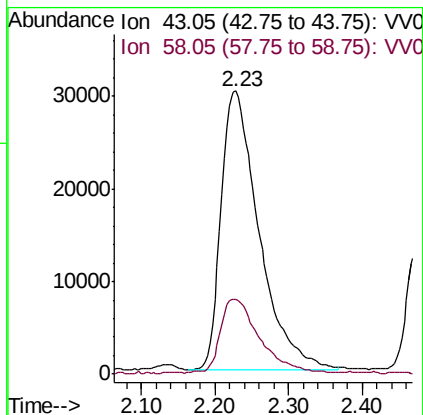
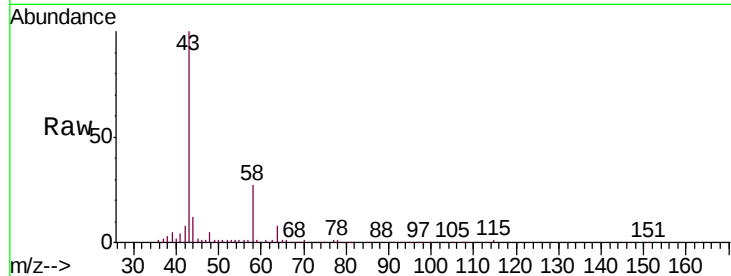
Instrument :
MSVOA_V
ClientSampleId :
VSTD00560

Tgt Ion: 43 Resp: 107761

Ion Ratio Lower Upper

43 100

58 27.4 0.0 55.2



#14

Carbon disulfide

Concen: 4.813 ug/L

RT: 2.31 min Scan# 380

Delta R.T. 0.01 min

Lab File: VV011240.D

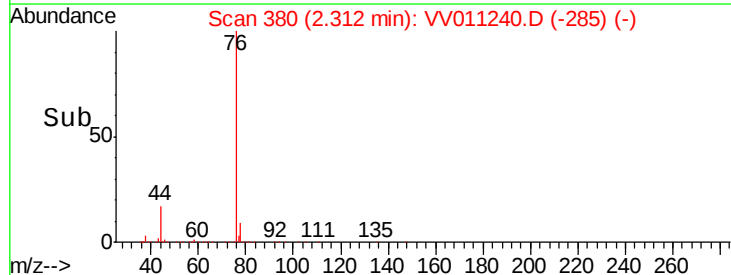
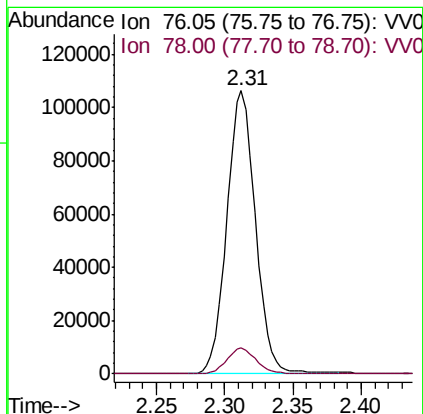
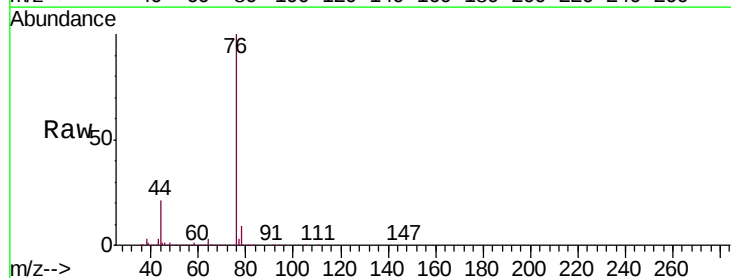
Acq: 05 Jun 2019 19:55

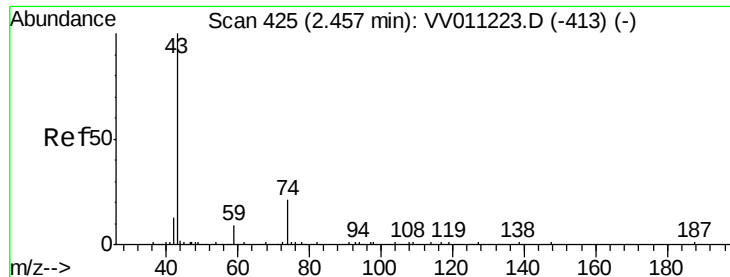
Tgt Ion: 76 Resp: 155386

Ion Ratio Lower Upper

76 100

78 9.1 7.3 10.9

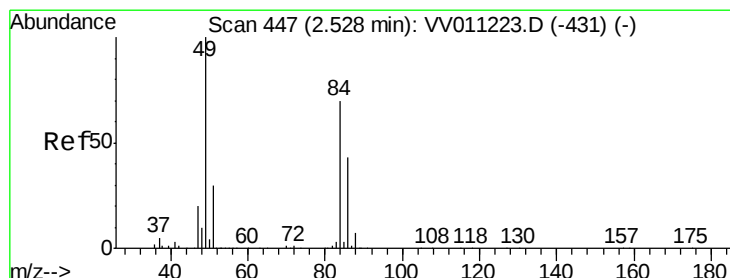
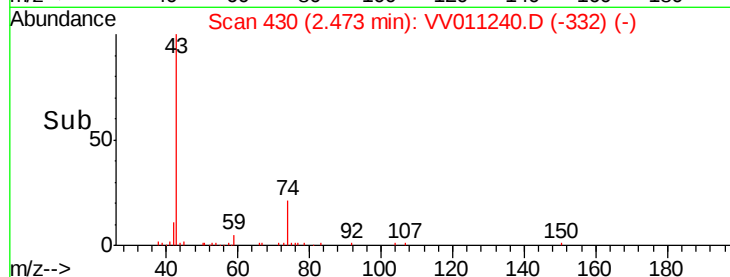
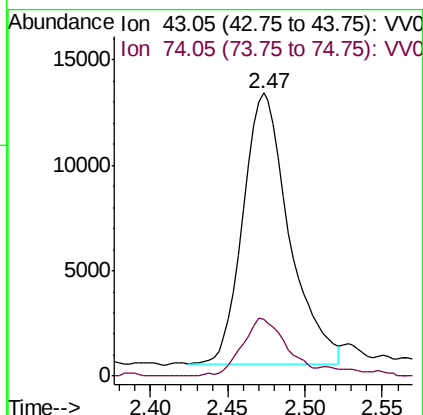
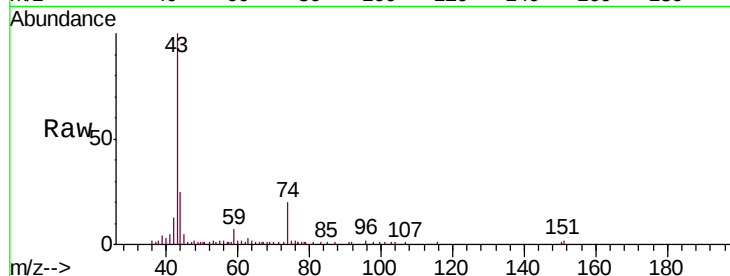




#15
Methyl Acetate
Concen: 5.172 ug/L
RT: 2.47 min Scan# 430
Delta R.T. 0.02 min
Lab File: VV011240.D
Acq: 05 Jun 2019 19:55

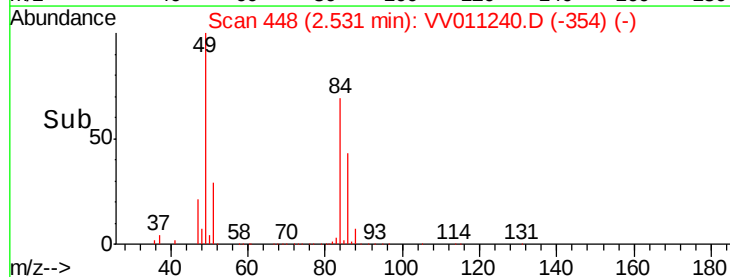
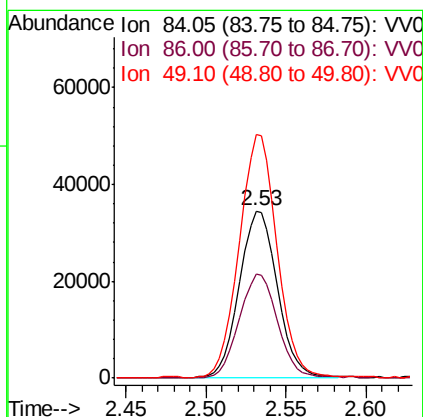
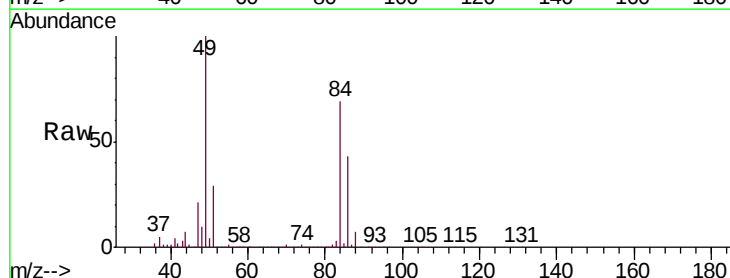
Instrument :
MSVOA_V
ClientSampleId :
VSTD00560

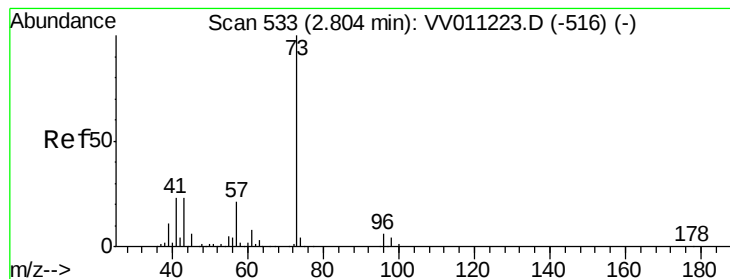
Tgt Ion: 43 Resp: 26537
Ion Ratio Lower Upper
43 100
74 20.7 18.5 27.7



#16
Methylene chloride
Concen: 5.137 ug/L
RT: 2.53 min Scan# 448
Delta R.T. 0.00 min
Lab File: VV011240.D
Acq: 05 Jun 2019 19:55

Tgt Ion: 84 Resp: 56325
Ion Ratio Lower Upper
84 100
86 61.9 44.9 83.3
49 145.5 102.1 189.5



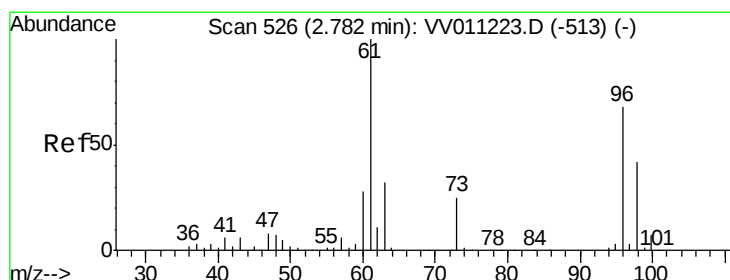
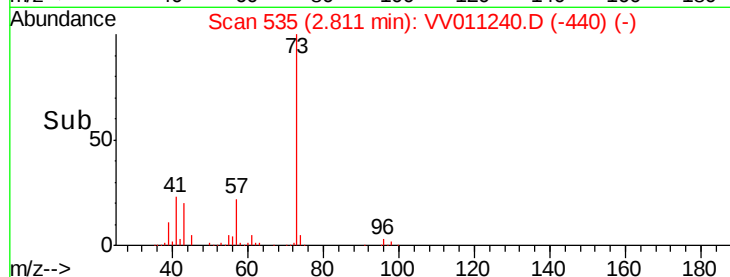
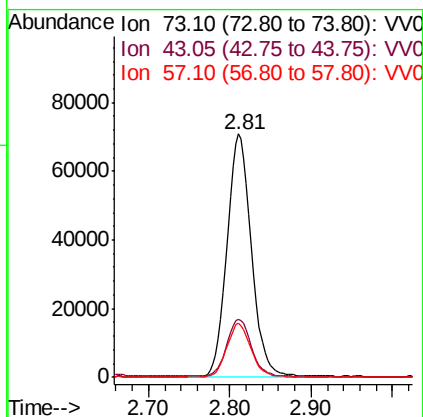
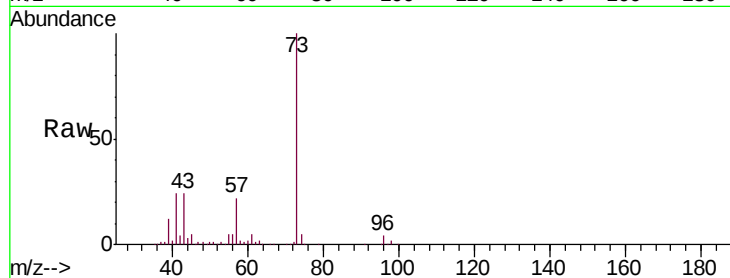


#17

Methyl tert-butyl Ether
 Concen: 5.307 ug/L
 RT: 2.81 min Scan# 535
 Delta R.T. 0.01 min
 Lab File: VV011240.D
 Acq: 05 Jun 2019 19:55

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00560

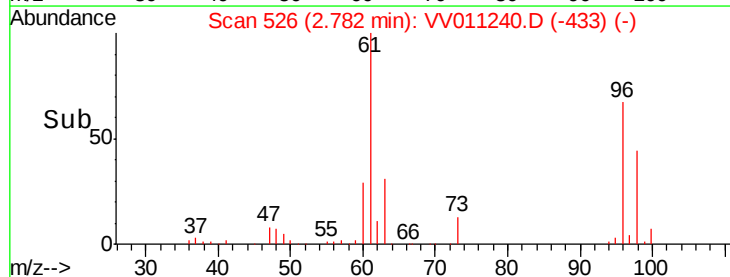
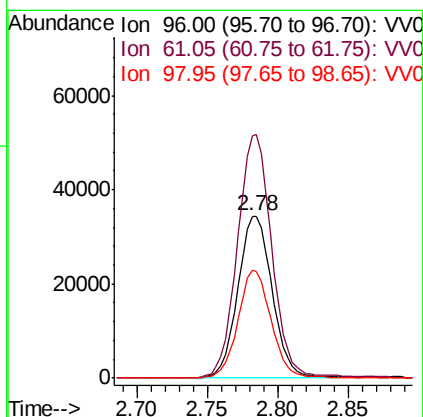
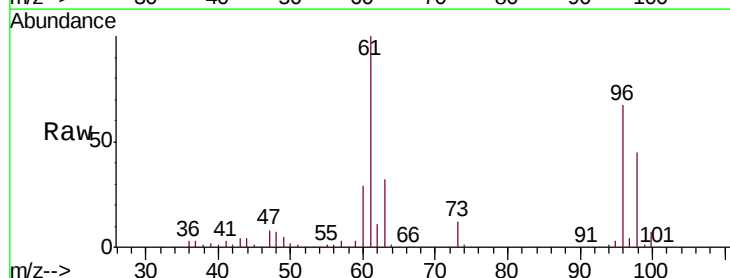
Tgt Ion: 73 Resp: 150755
 Ion Ratio Lower Upper
 73 100
 43 23.8 18.7 28.1
 57 21.1 18.1 27.1

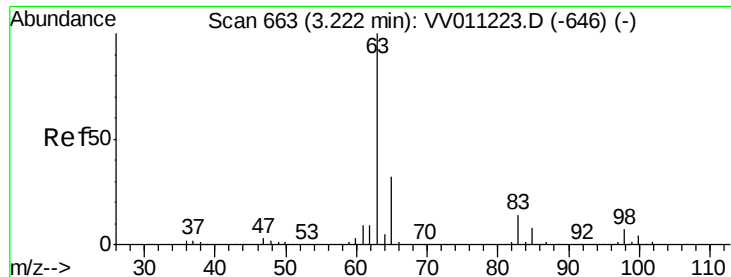


#18

trans-1,2-Dichloroethene
 Concen: 4.936 ug/L
 RT: 2.78 min Scan# 526
 Delta R.T. 0.00 min
 Lab File: VV011240.D
 Acq: 05 Jun 2019 19:55

Tgt Ion: 96 Resp: 58816
 Ion Ratio Lower Upper
 96 100
 61 149.7 104.0 193.2
 98 66.7 45.7 84.9

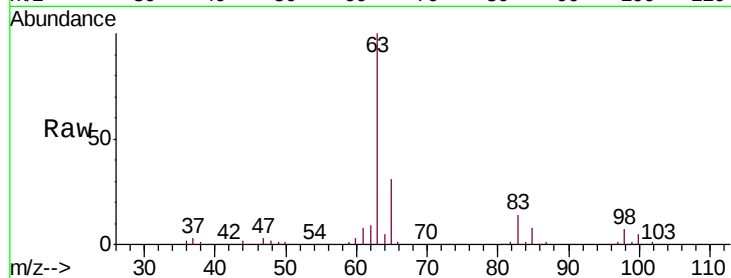




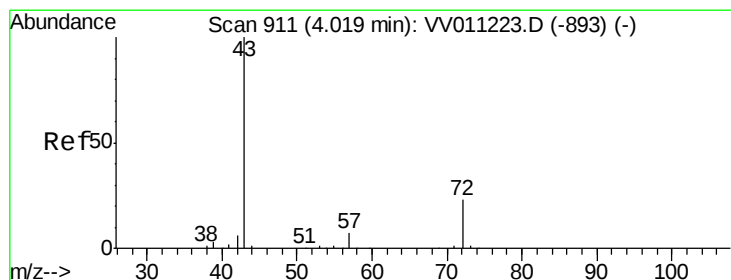
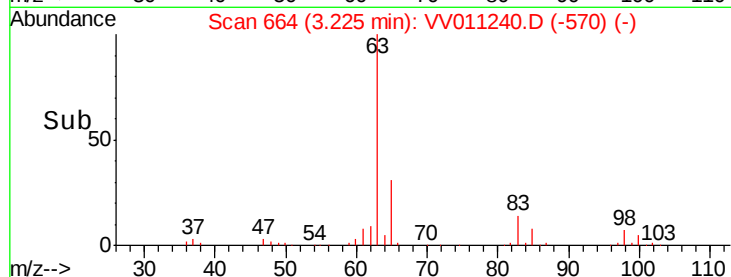
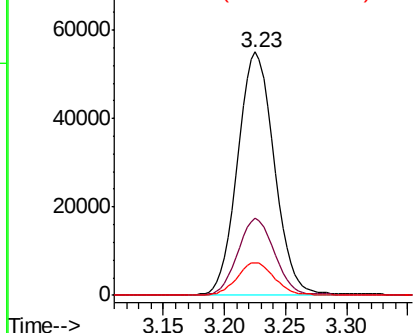
#19
 1,1-Dichloroethane
 Concen: 4.868 ug/L
 RT: 3.23 min Scan# 664
 Delta R.T. 0.00 min
 Lab File: VV011240.D
 Acq: 05 Jun 2019 19:55

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00560

Tgt Ion: 63 Resp: 114412
 Ion Ratio Lower Upper
 63 100
 65 31.5 22.1 41.1
 83 13.6 9.2 17.0

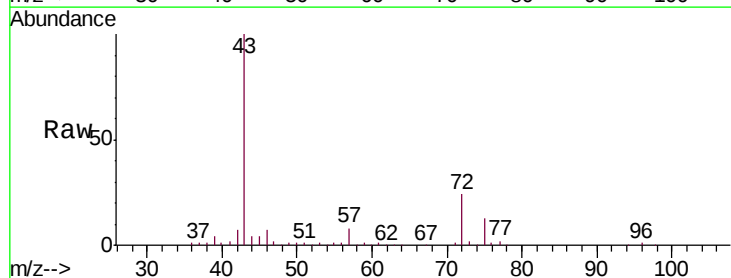


Abundance Ion 63.10 (62.80 to 63.80): VV0
 Ion 65.10 (64.80 to 65.80): VV0
 Ion 83.05 (82.75 to 83.75): VV0

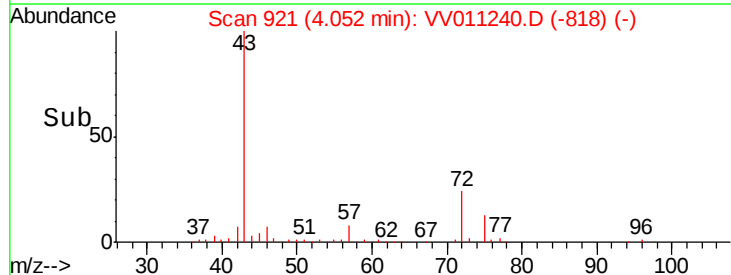
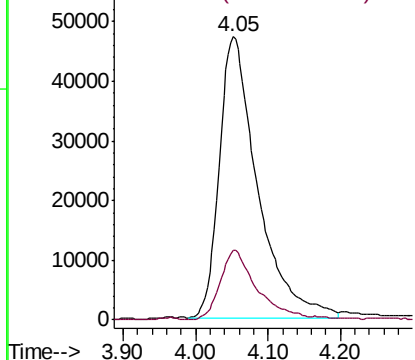


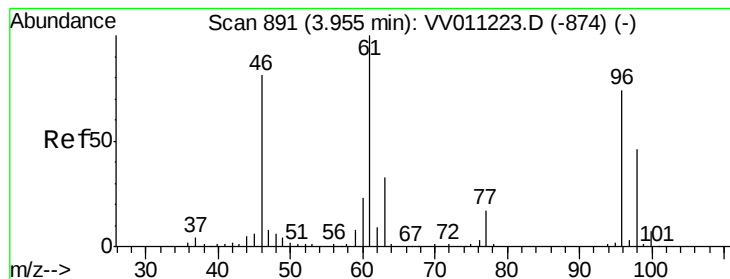
#21
 2-Butanone
 Concen: 57.987 ug/L
 RT: 4.05 min Scan# 921
 Delta R.T. 0.03 min
 Lab File: VV011240.D
 Acq: 05 Jun 2019 19:55

Tgt Ion: 43 Resp: 172526
 Ion Ratio Lower Upper
 43 100
 72 23.0 12.7 38.1



Abundance Ion 43.05 (42.75 to 43.75): VV0
 Ion 72.10 (71.80 to 72.80): VV0



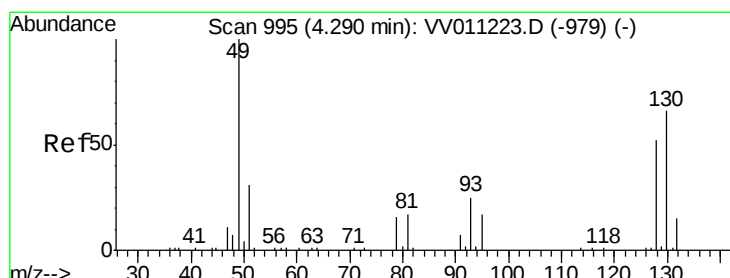
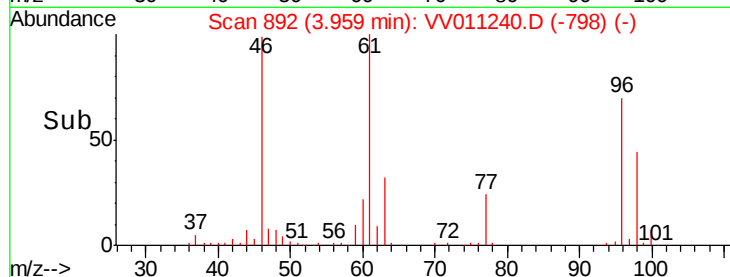
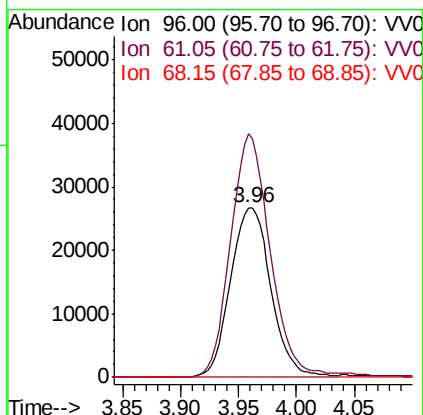
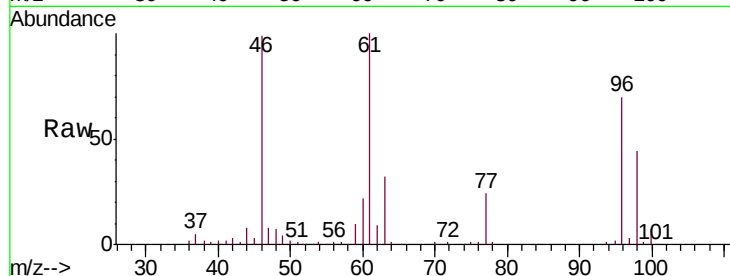


#22

cis-1,2-Dichloroethene
 Concen: 4.915 ug/L
 RT: 3.96 min Scan# 892
 Delta R.T. 0.00 min
 Lab File: VV011240.D
 Acq: 05 Jun 2019 19:55

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00560

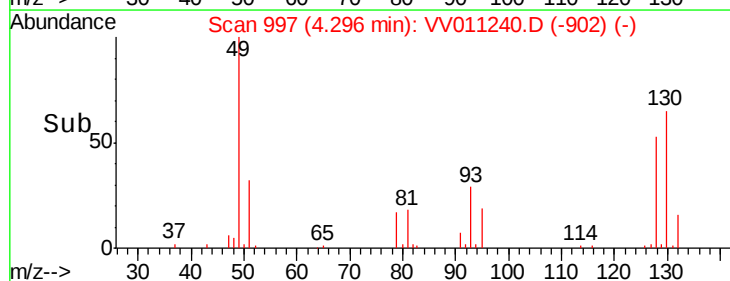
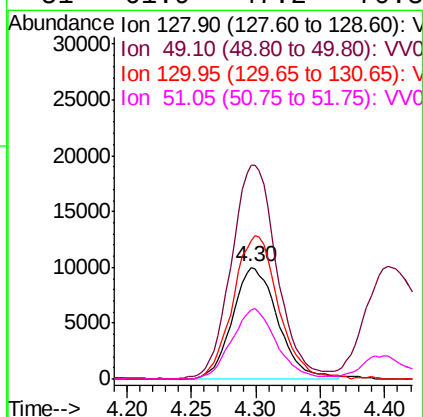
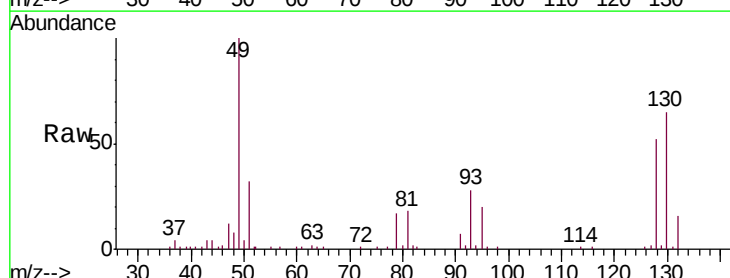
Tgt Ion: 96 Resp: 64852
 Ion Ratio Lower Upper
 96 100
 61 143.2 100.8 187.2
 68 0.0 0.0 0.0

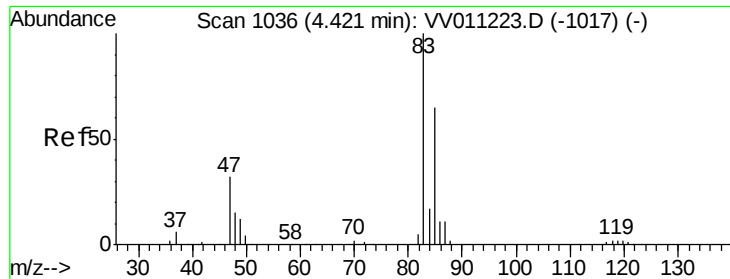


#23

Bromochloromethane
 Concen: 4.835 ug/L
 RT: 4.30 min Scan# 997
 Delta R.T. 0.01 min
 Lab File: VV011240.D
 Acq: 05 Jun 2019 19:55

Tgt Ion: 128 Resp: 24456
 Ion Ratio Lower Upper
 128 100
 49 190.7 128.9 239.5
 130 123.1 82.5 153.1
 51 61.9 47.2 70.8

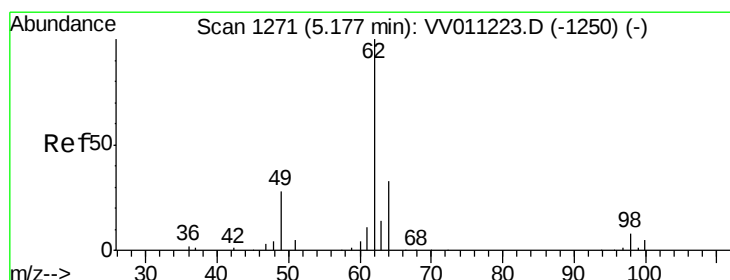
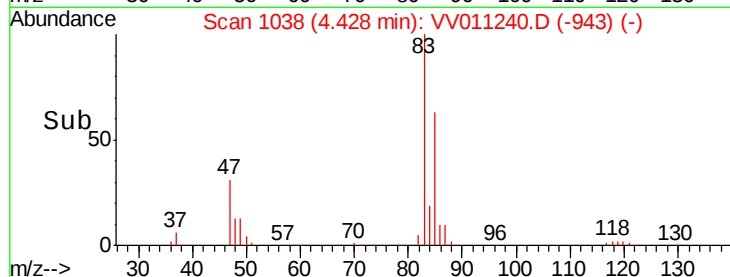
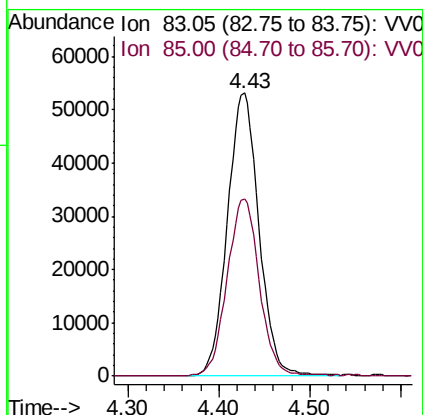
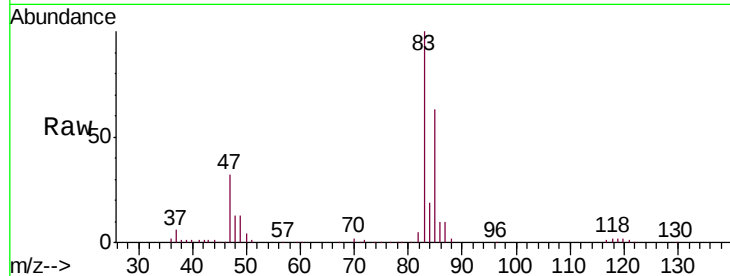




#25
Chloroform
Concen: 5.276 ug/L
RT: 4.43 min Scan# 1038
Delta R.T. 0.01 min
Lab File: VV011240.D
Acq: 05 Jun 2019 19:55

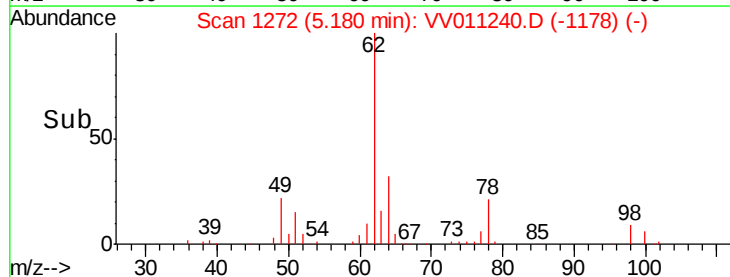
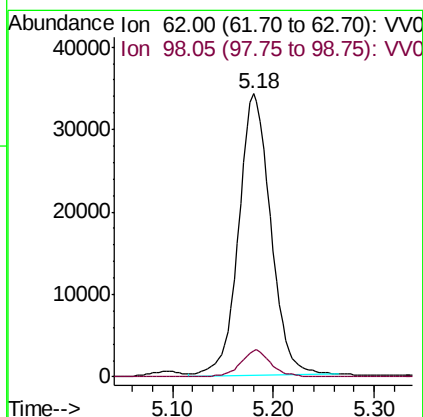
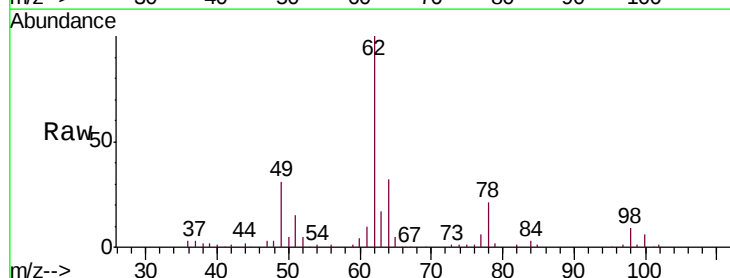
Instrument :
MSVOA_V
ClientSampleId :
VSTD00560

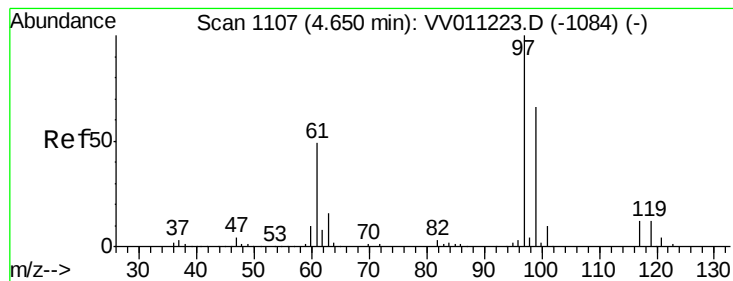
Tgt Ion: 83 Resp: 128071
Ion Ratio Lower Upper
83 100
85 62.6 44.1 81.9



#27
1,2-Dichloroethane
Concen: 5.068 ug/L
RT: 5.18 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VV011240.D
Acq: 05 Jun 2019 19:55

Tgt Ion: 62 Resp: 75173
Ion Ratio Lower Upper
62 100
98 9.1 6.9 10.3





#29

1,1,1-Trichloroethane

Concen: 4.810 ug/L

RT: 4.66 min Scan# 1109

Delta R.T. 0.01 min

Lab File: VV011240.D

Acq: 05 Jun 2019 19:55

Instrument :

MSVOA_V

ClientSampleId :

VSTD00560

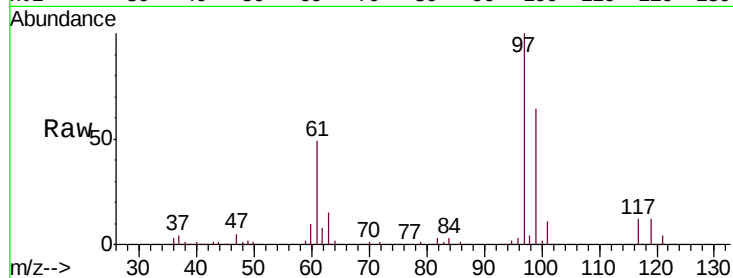
Tgt Ion: 97 Resp: 97761

Ion Ratio Lower Upper

97 100

99 63.4 50.8 76.2

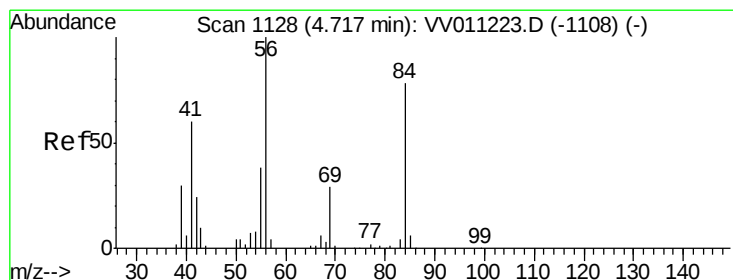
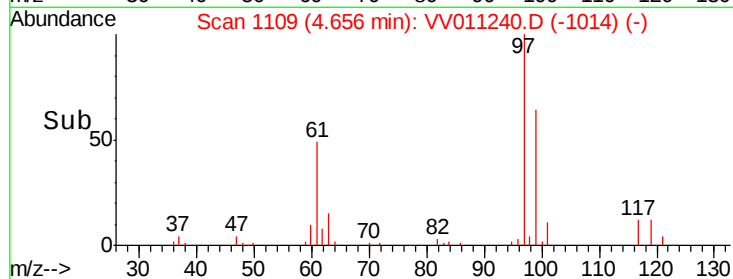
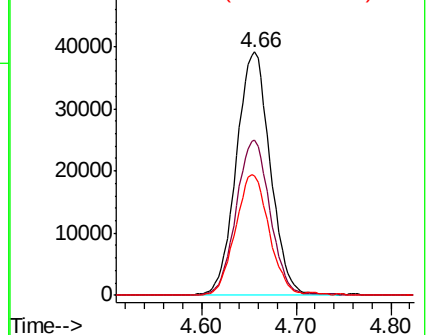
61 49.2 38.9 58.3



Abundance Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

Ion 61.05 (60.75 to 61.75): VV0



#30

Cyclohexane

Concen: 4.611 ug/L

RT: 4.72 min Scan# 1129

Delta R.T. 0.00 min

Lab File: VV011240.D

Acq: 05 Jun 2019 19:55

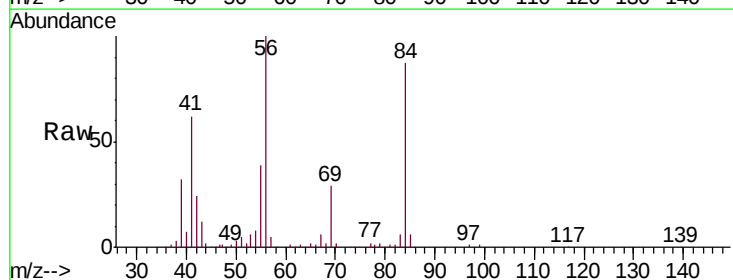
Tgt Ion: 56 Resp: 103911

Ion Ratio Lower Upper

56 100

69 29.7 24.1 36.1

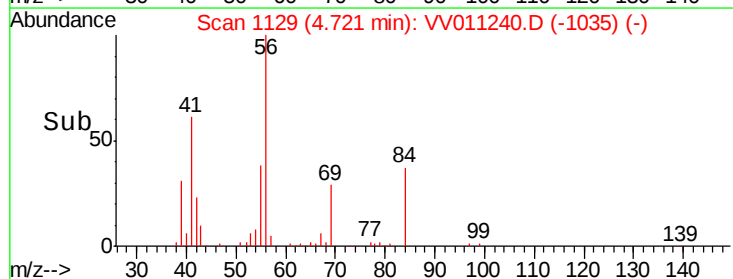
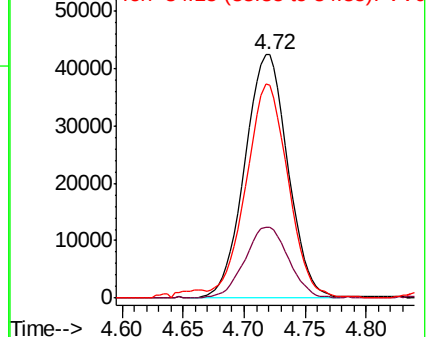
84 86.1 66.4 99.6

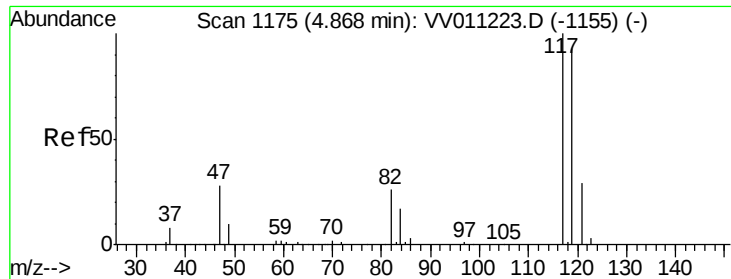


Abundance Ion 56.10 (55.80 to 56.80): VV0

Ion 69.15 (68.85 to 69.85): VV0

Ion 84.15 (83.85 to 84.85): VV0

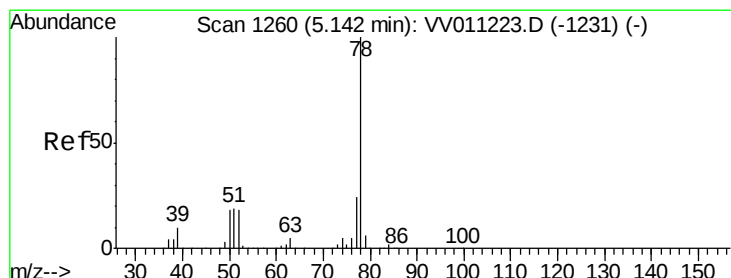
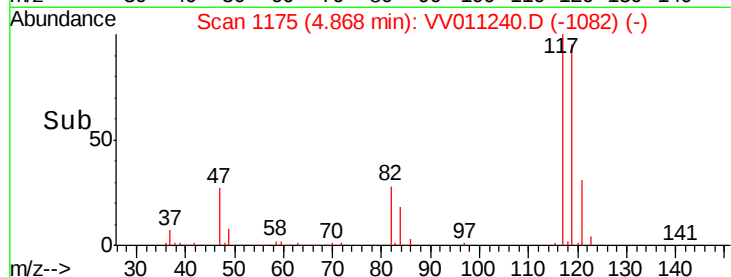
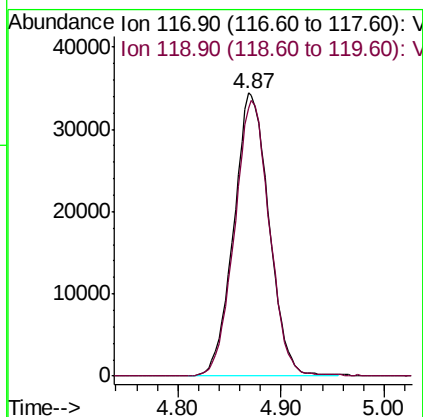
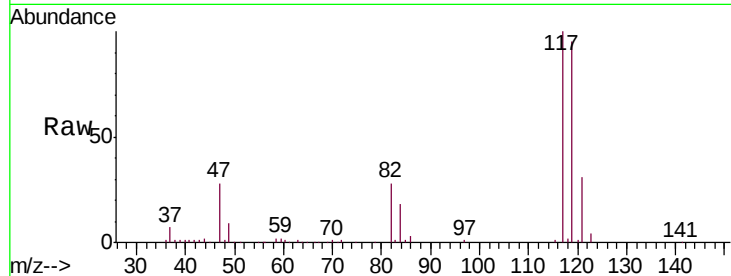




#31
Carbon tetrachloride
Concen: 4.819 ug/L
RT: 4.87 min Scan# 1175
Delta R.T. 0.00 min
Lab File: VV011240.D
Acq: 05 Jun 2019 19:55

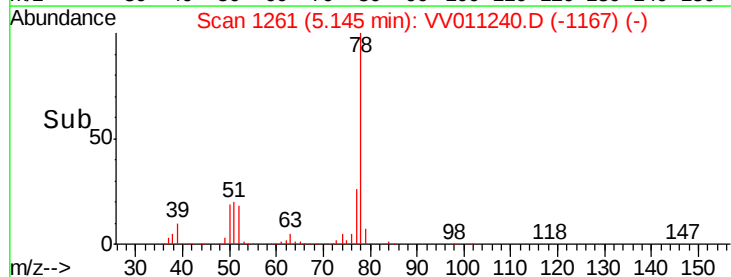
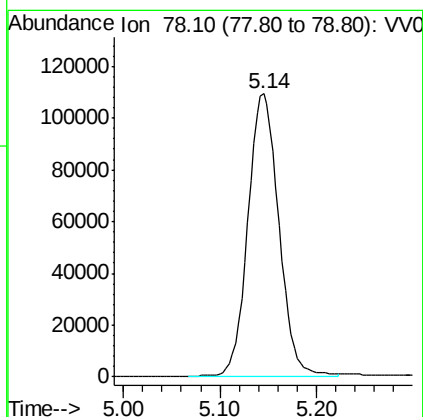
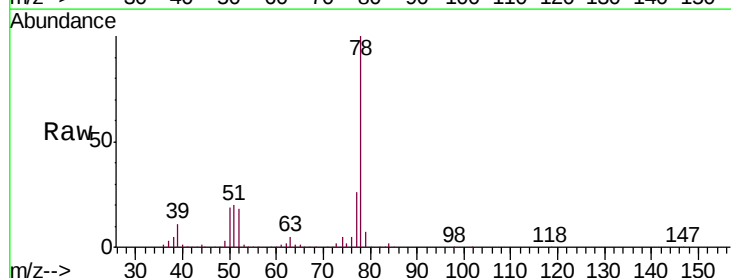
Instrument :
MSVOA_V
ClientSampleId :
VSTD00560

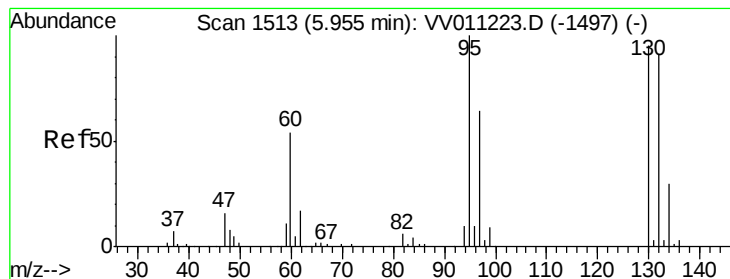
Tgt Ion:117 Resp: 81853
Ion Ratio Lower Upper
117 100
119 96.1 77.9 116.9



#33
Benzene
Concen: 4.793 ug/L
RT: 5.14 min Scan# 1261
Delta R.T. 0.00 min
Lab File: VV011240.D
Acq: 05 Jun 2019 19:55

Tgt Ion: 78 Resp: 243009





#34

Trichloroethene

Concen: 4.888 ug/L

RT: 5.96 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VV011240.D

Acq: 05 Jun 2019 19:55

Instrument :

MSVOA_V

ClientSampleId :

VSTD00560

Tgt Ion: 95 Resp: 64029

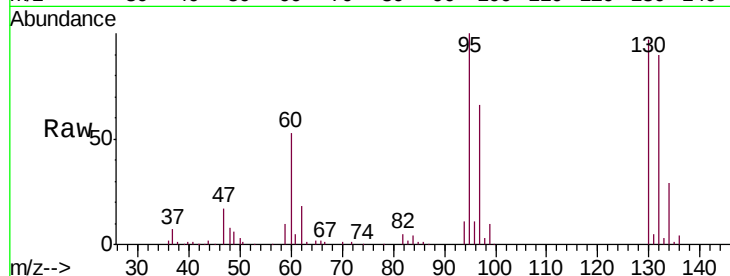
Ion Ratio Lower Upper

95 100

97 66.4 45.8 85.2

132 89.6 66.4 123.2

130 96.8 68.3 126.8

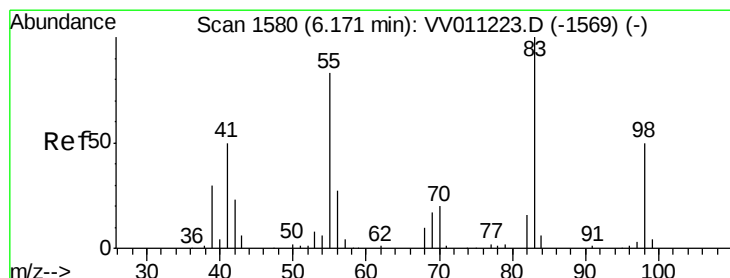
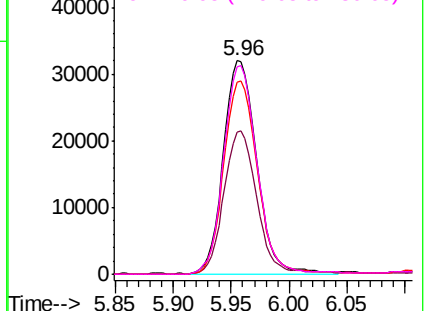
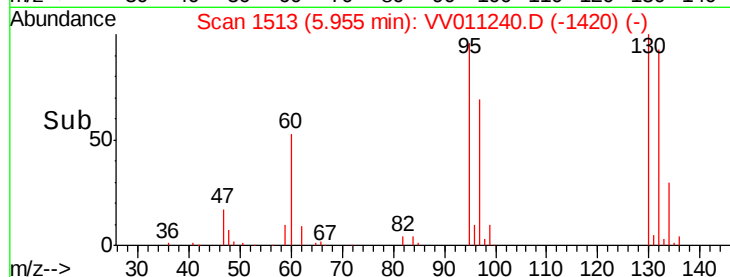


Abundance Ion 95.00 (94.70 to 95.70): VV011240.D (-1420) (-)

Ion 96.95 (96.65 to 97.65): VV011240.D (-1420) (-)

Ion 131.95 (131.65 to 132.65): VV011240.D (-1420) (-)

Ion 129.95 (129.65 to 130.65): VV011240.D (-1420) (-)



#35

Methylcyclohexane

Concen: 4.662 ug/L

RT: 6.17 min Scan# 1580

Delta R.T. 0.00 min

Lab File: VV011240.D

Acq: 05 Jun 2019 19:55

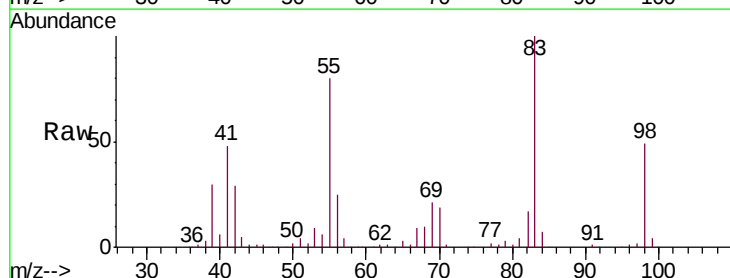
Tgt Ion: 83 Resp: 101001

Ion Ratio Lower Upper

83 100

55 82.1 67.0 100.6

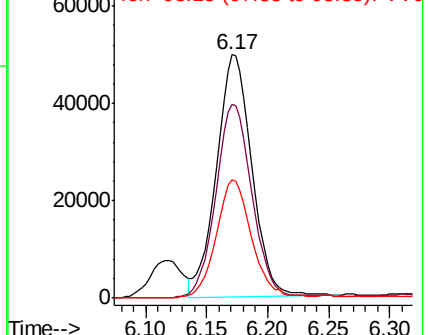
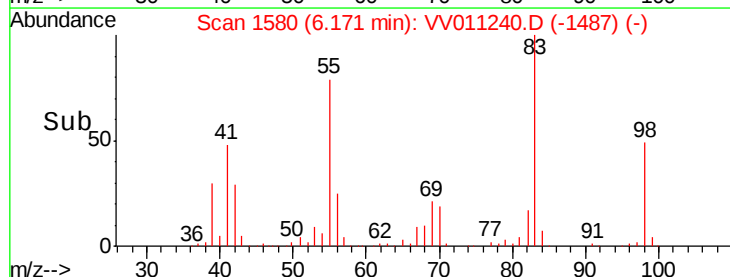
98 49.1 40.0 60.0

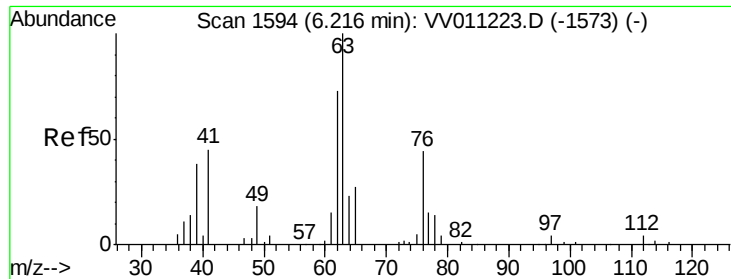


Abundance Ion 83.15 (82.85 to 83.85): VV011240.D (-1487) (-)

Ion 55.10 (54.80 to 55.80): VV011240.D (-1487) (-)

Ion 98.15 (97.85 to 98.85): VV011240.D (-1487) (-)

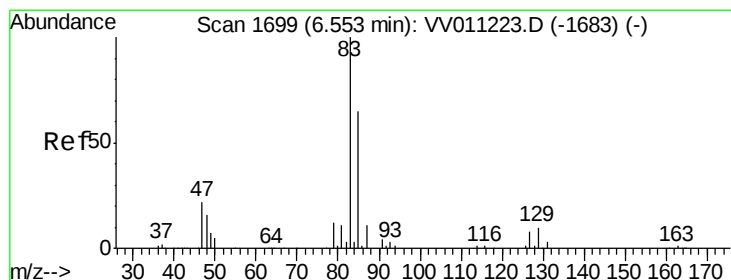
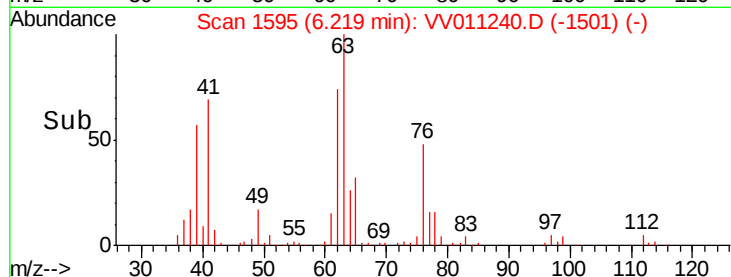
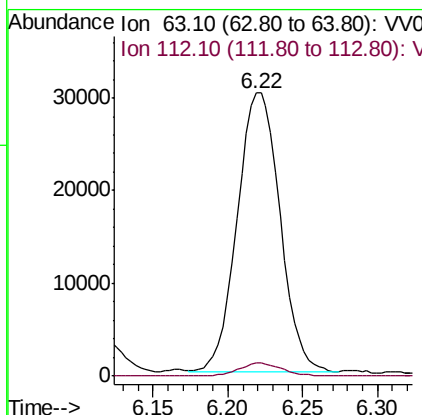
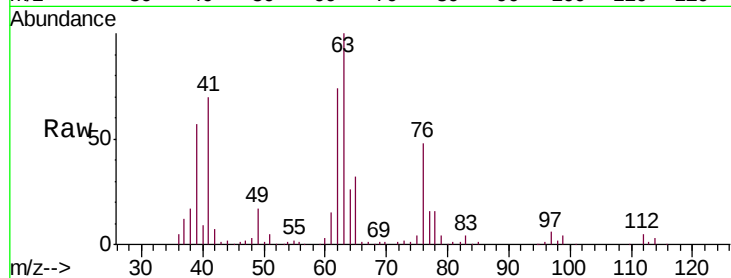




#37
 1,2-Dichloropropane
 Concen: 4.726 ug/L
 RT: 6.22 min Scan# 1595
 Delta R.T. 0.00 min
 Lab File: VV011240.D
 Acq: 05 Jun 2019 19:55

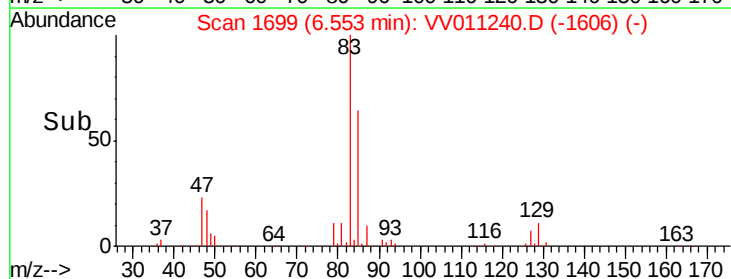
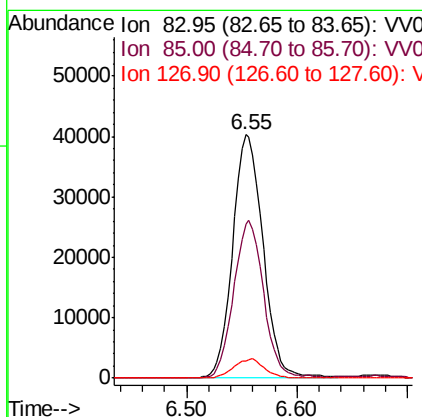
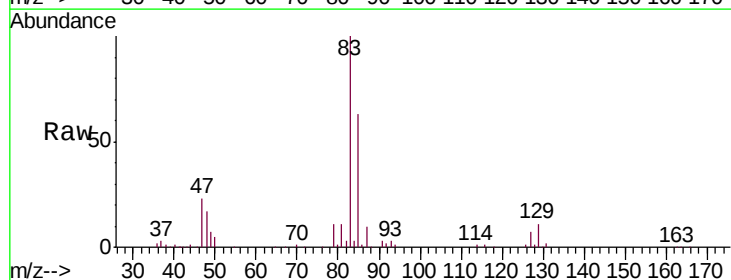
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00560

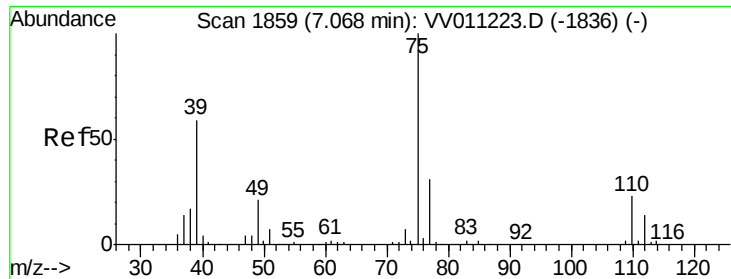
Tgt Ion: 63 Resp: 59643
 Ion Ratio Lower Upper
 63 100
 112 4.7 3.6 5.4



#38
 Bromodichloromethane
 Concen: 4.944 ug/L
 RT: 6.55 min Scan# 1699
 Delta R.T. 0.00 min
 Lab File: VV011240.D
 Acq: 05 Jun 2019 19:55

Tgt Ion: 83 Resp: 77137
 Ion Ratio Lower Upper
 83 100
 85 63.3 44.5 82.7
 127 7.2 7.0 10.4

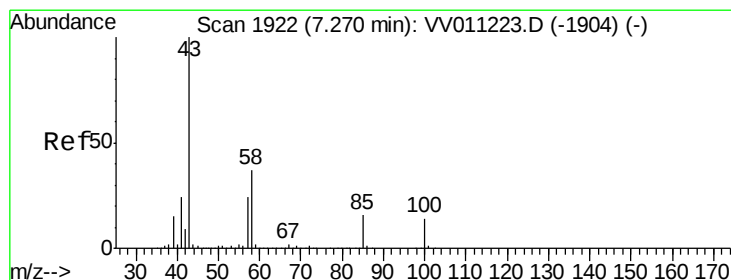
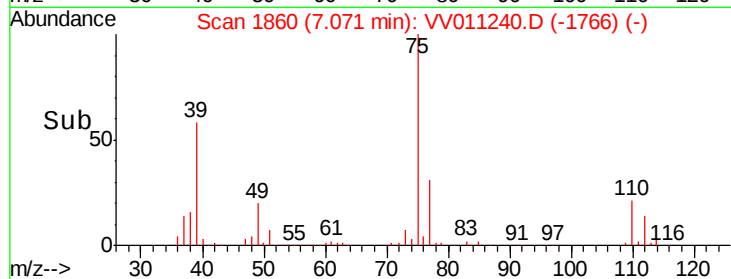
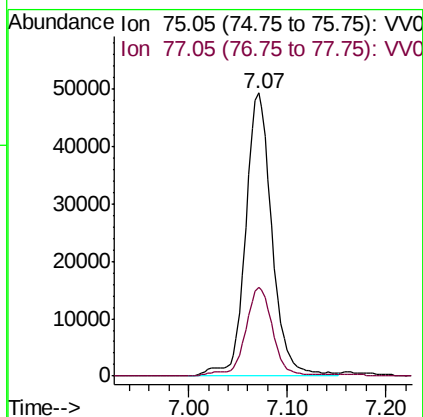
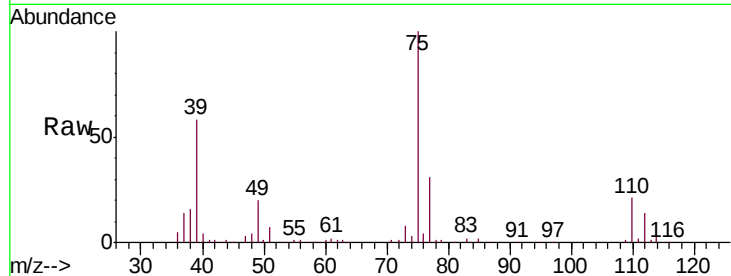




#39
 cis-1,3-Dichloropropene
 Concen: 4.946 ug/L
 RT: 7.07 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VV011240.D
 Acq: 05 Jun 2019 19:55

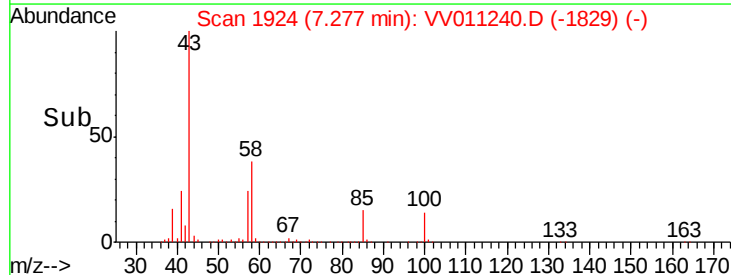
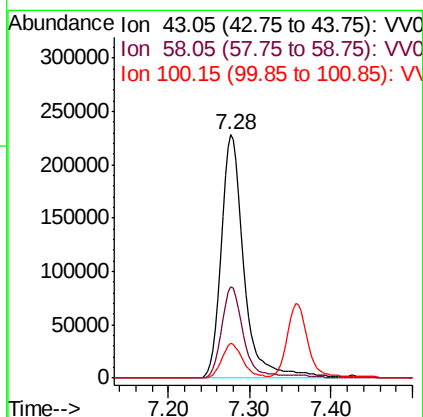
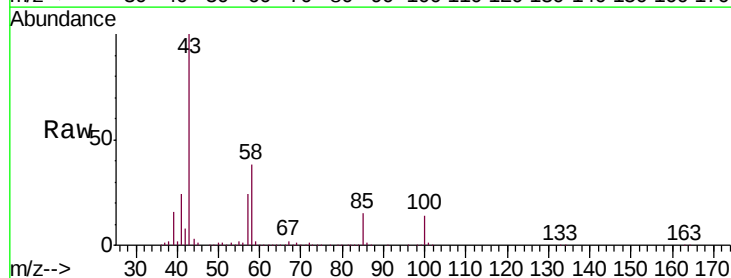
Instrument :
 MSVOA_V
 ClientSampled :
 VSTD00560

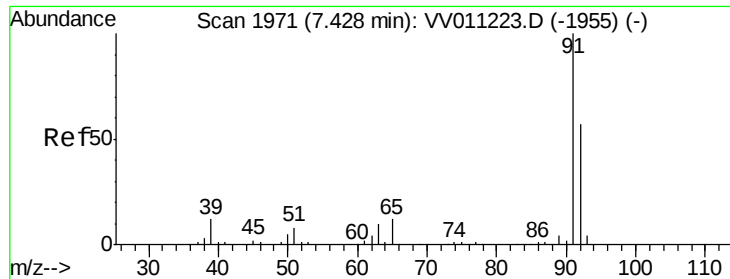
Tgt Ion: 75 Resp: 91313
 Ion Ratio Lower Upper
 75 100
 77 31.4 22.2 41.2



#40
 4-Methyl-2-pentanone
 Concen: 55.927 ug/L
 RT: 7.28 min Scan# 1924
 Delta R.T. 0.01 min
 Lab File: VV011240.D
 Acq: 05 Jun 2019 19:55

Tgt Ion: 43 Resp: 449456
 Ion Ratio Lower Upper
 43 100
 58 36.1 29.3 43.9
 100 13.3 10.6 16.0





#42

Toluene

Concen: 5.058 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV011240.D

Acq: 05 Jun 2019 19:55

Instrument :

MSVOA_V

ClientSampleId :

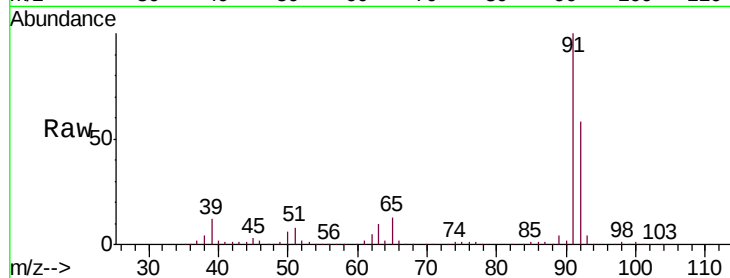
VSTD00560

Tgt Ion: 91 Resp: 273365

Ion Ratio Lower Upper

91 100

92 57.6 39.9 74.1



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0

7.43

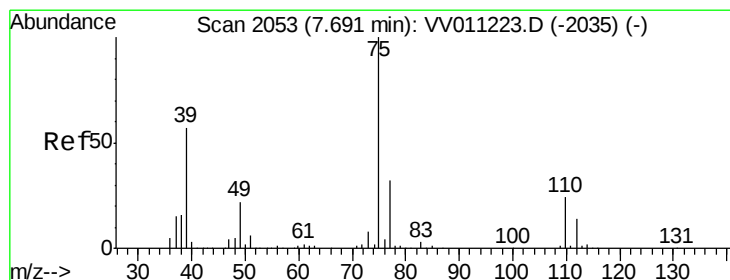
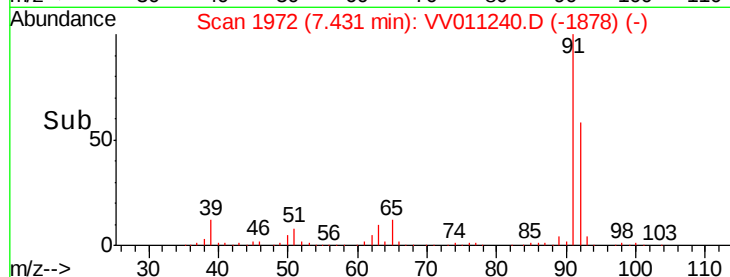
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 4.851 ug/L

RT: 7.69 min Scan# 2054

Delta R.T. 0.00 min

Lab File: VV011240.D

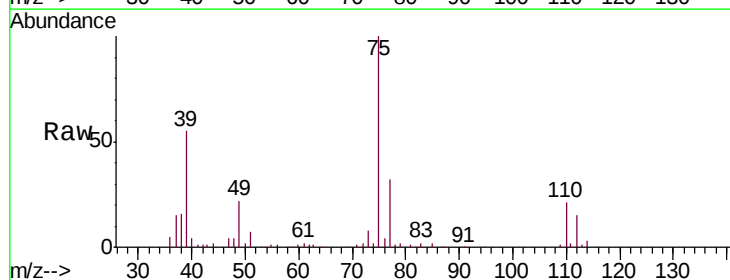
Acq: 05 Jun 2019 19:55

Tgt Ion: 75 Resp: 68100

Ion Ratio Lower Upper

75 100

77 32.0 23.1 42.9



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

7.69

40000

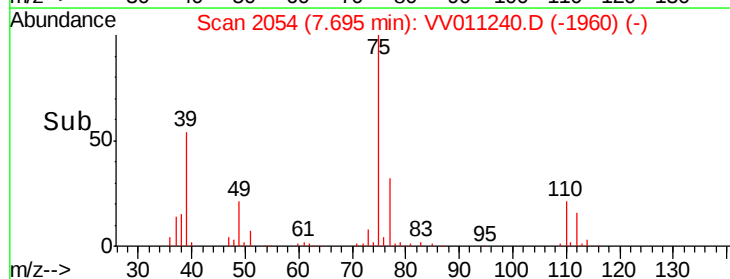
30000

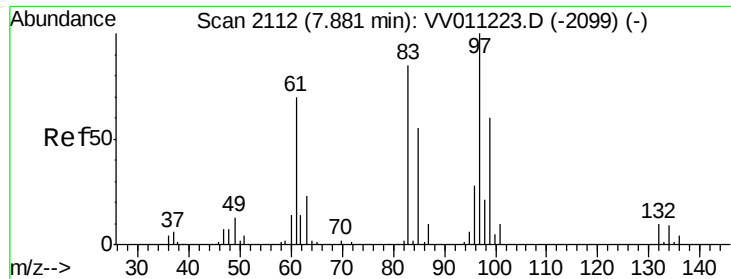
20000

10000

0

Time-->

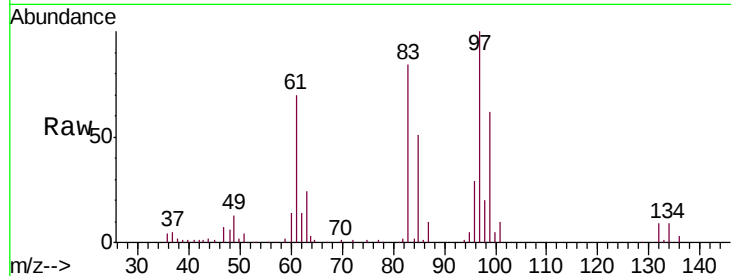




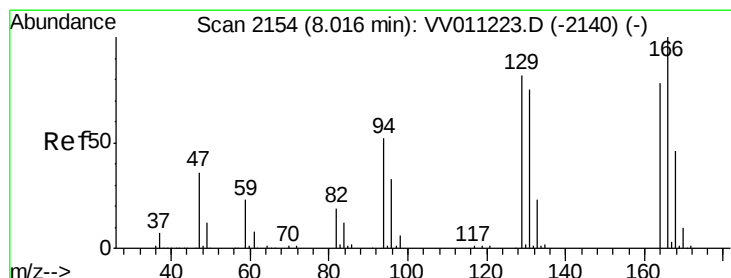
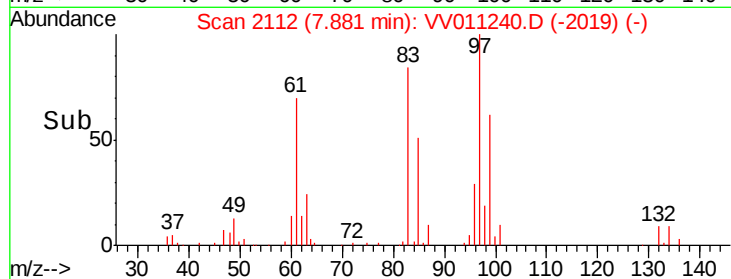
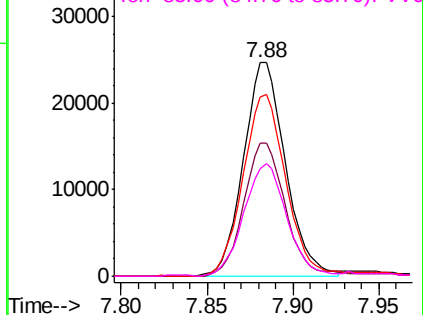
#45
 1,1,2-Trichloroethane
 Concen: 5.179 ug/L
 RT: 7.88 min Scan# 2112
 Delta R.T. 0.00 min
 Lab File: VV011240.D
 Acq: 05 Jun 2019 19:55

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00560

Tgt Ion:	97	Resp:	41838
Ion	Ratio	Lower	Upper
97	100		
99	62.2	42.1	78.3
83	84.0	59.4	110.2
85	50.5	39.7	73.7

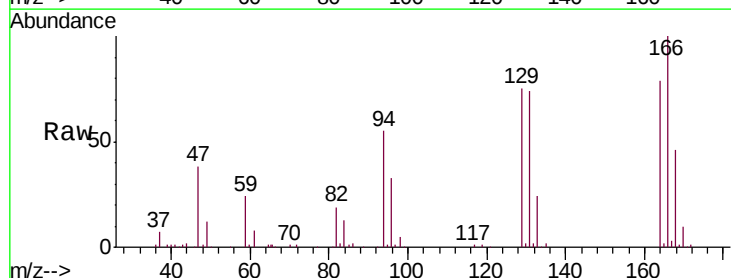


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 82.95 (82.65 to 83.65): VV0
 Ion 85.00 (84.70 to 85.70): VV0

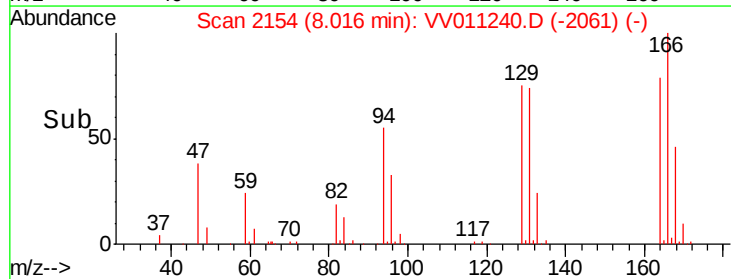
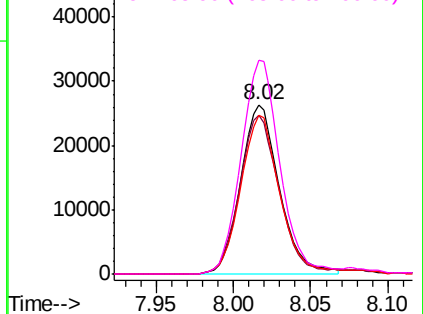


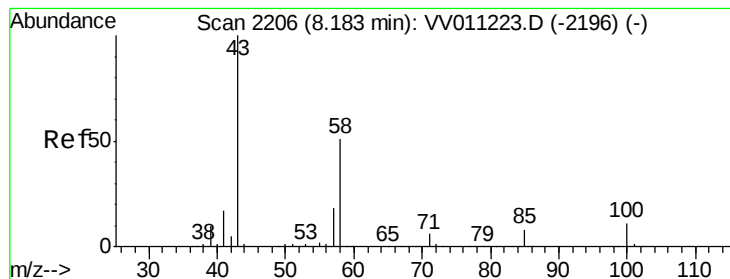
#47
 Tetrachloroethene
 Concen: 4.837 ug/L
 RT: 8.02 min Scan# 2154
 Delta R.T. 0.00 min
 Lab File: VV011240.D
 Acq: 05 Jun 2019 19:55

Tgt Ion:	164	Resp:	45788
Ion	Ratio	Lower	Upper
164	100		
129	94.2	69.9	129.9
131	93.6	66.8	124.2
166	126.4	90.2	167.6



Abundance Ion 163.90 (163.60 to 164.60): V
 Ion 128.95 (128.65 to 129.65): V
 Ion 130.95 (130.65 to 131.65): V
 Ion 165.90 (165.60 to 166.60): V





#48

2-Hexanone

Concen: 56.901 ug/L

RT: 8.19 min Scan# 2207

Delta R.T. 0.00 min

Lab File: VV011240.D

Acq: 05 Jun 2019 19:55

Instrument :

MSVOA_V

ClientSampleId :

VSTD00560

Tgt Ion: 43 Resp: 318922

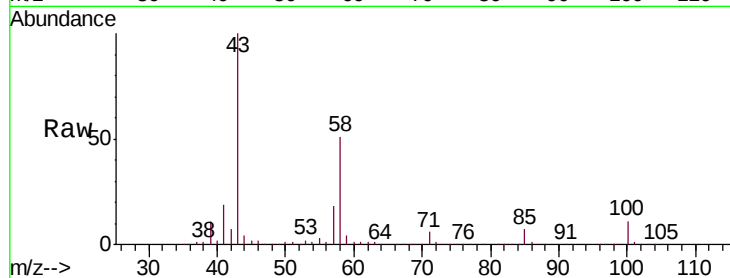
Ion Ratio Lower Upper

43 100

58 52.5 41.4 62.0

57 18.2 15.0 22.4

100 11.3 9.0 13.4

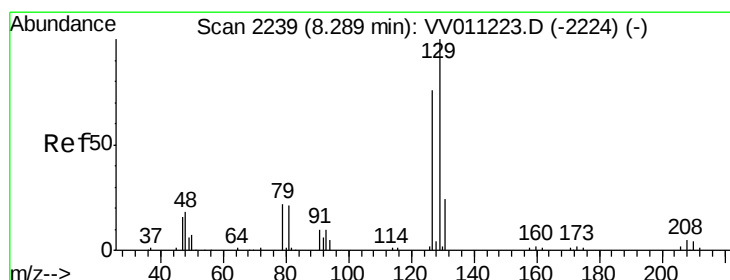
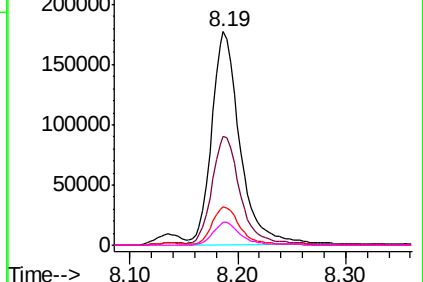
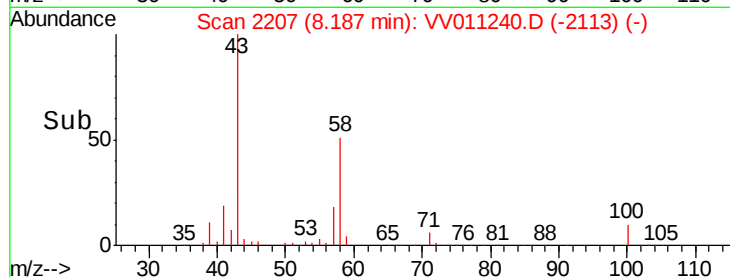


Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

Ion 57.20 (56.90 to 57.90): VV0

Ion 100.15 (99.85 to 100.85): VV0



#49

Dibromochloromethane

Concen: 4.953 ug/L

RT: 8.29 min Scan# 2239

Delta R.T. 0.00 min

Lab File: VV011240.D

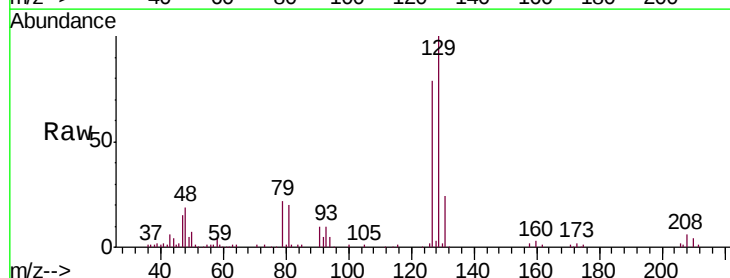
Acq: 05 Jun 2019 19:55

Tgt Ion: 129 Resp: 45453

Ion Ratio Lower Upper

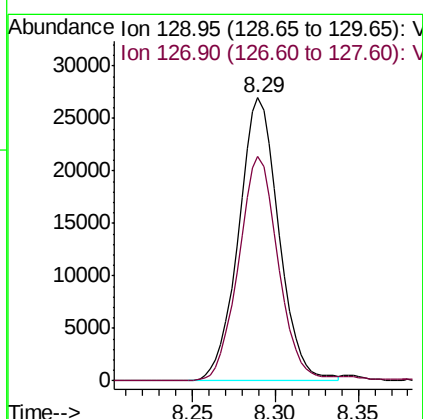
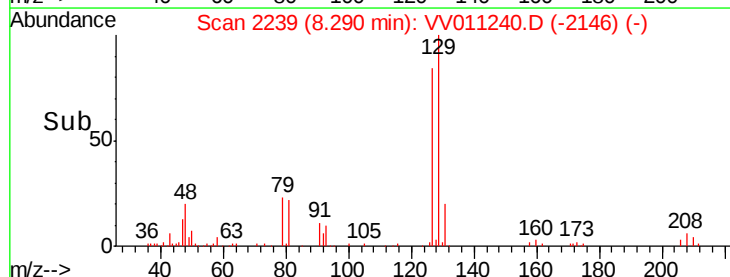
129 100

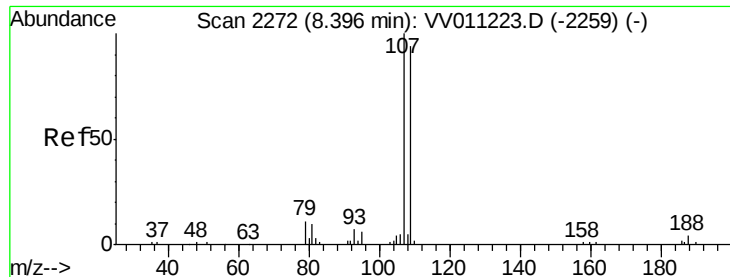
127 79.2 53.7 99.7



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V

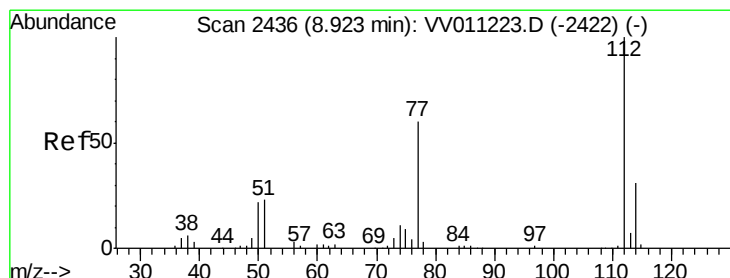
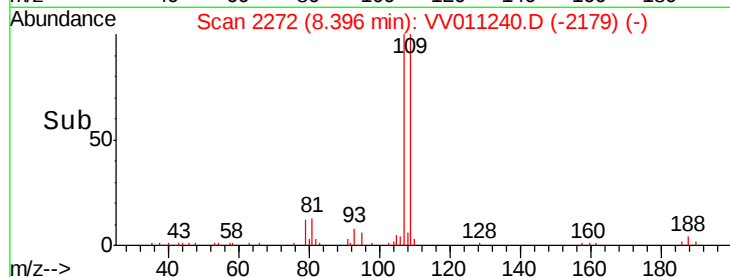
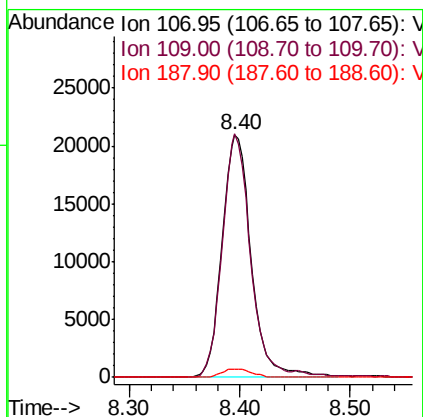
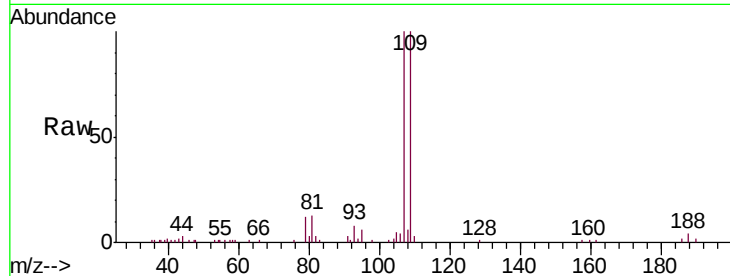




#50
1,2-Dibromoethane
Concen: 5.009 ug/L
RT: 8.40 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VV011240.D
Acq: 05 Jun 2019 19:55

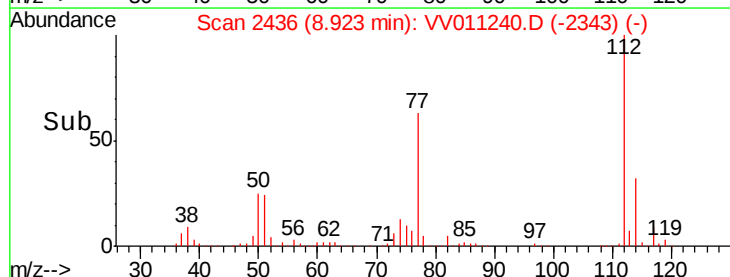
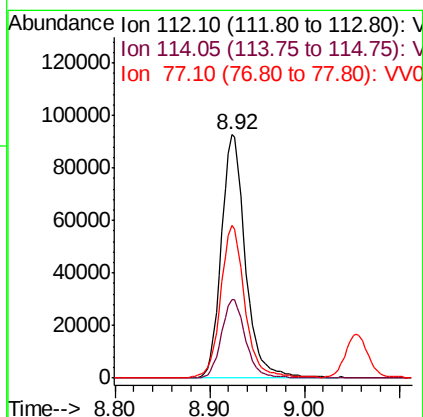
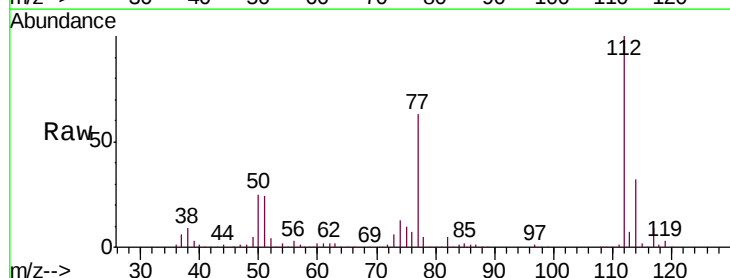
Instrument :
MSVOA_V
ClientSampled :
VSTD00560

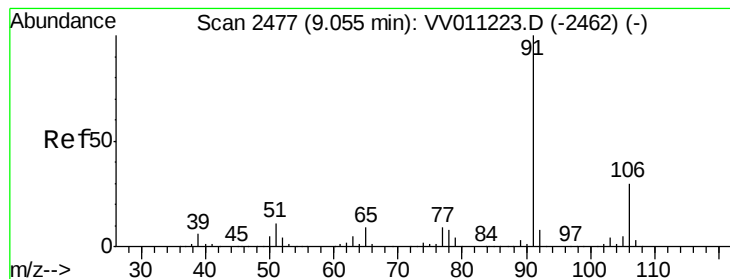
Tgt Ion:107 Resp: 38463
Ion Ratio Lower Upper
107 100
109 100.4 64.5 119.9
188 3.5 2.7 4.1



#51
Chlorobenzene
Concen: 4.993 ug/L
RT: 8.92 min Scan# 2436
Delta R.T. 0.00 min
Lab File: VV011240.D
Acq: 05 Jun 2019 19:55

Tgt Ion:112 Resp: 164568
Ion Ratio Lower Upper
112 100
114 32.2 22.6 42.0
77 62.7 50.1 75.1





#52

Ethylbenzene

Concen: 5.002 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. 0.00 min

Lab File: VV011240.D

Acq: 05 Jun 2019 19:55

Instrument :

MSVOA_V

ClientSampleId :

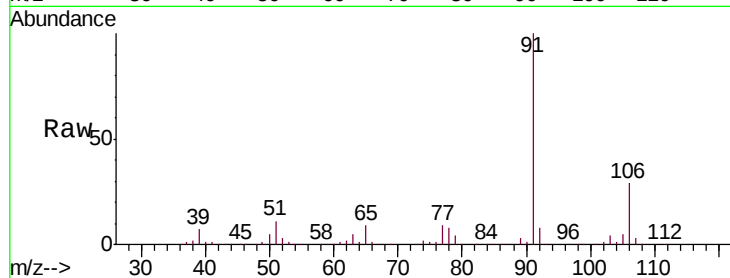
VSTD00560

Tgt Ion: 91 Resp: 300174

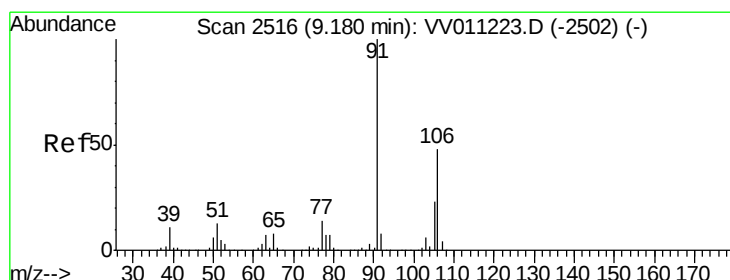
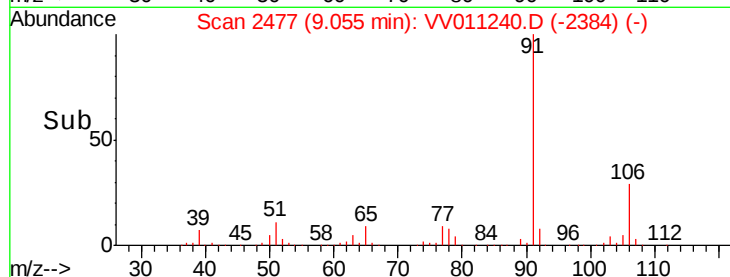
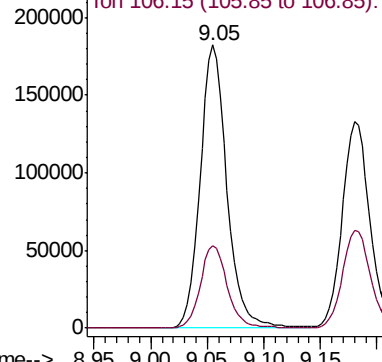
Ion Ratio Lower Upper

91 100

106 29.2 21.5 39.9



Abundance Ion 91.15 (90.85 to 91.85): VV011240.D (-2384) (-)



#53

m,p-xylene

Concen: 5.009 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. 0.00 min

Lab File: VV011240.D

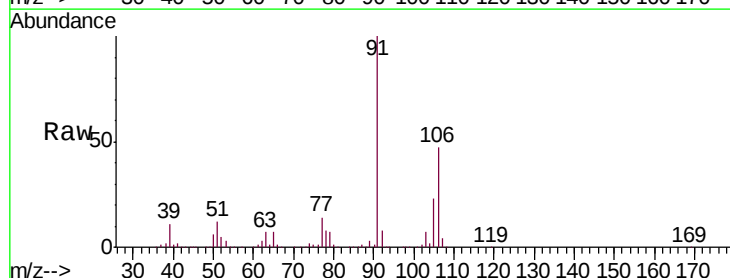
Acq: 05 Jun 2019 19:55

Tgt Ion: 106 Resp: 111167

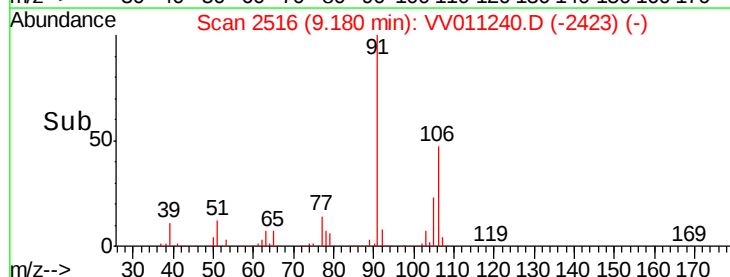
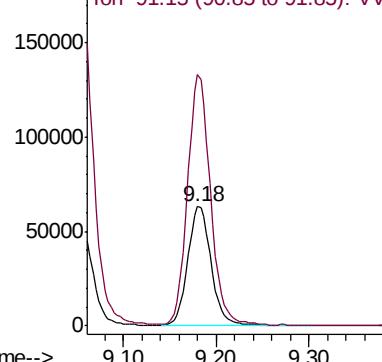
Ion Ratio Lower Upper

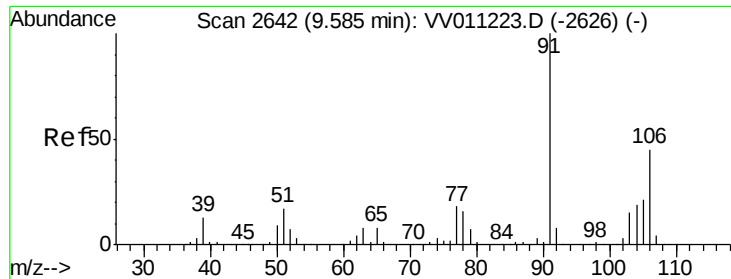
106 100

91 211.2 145.5 270.3



Abundance Ion 106.15 (105.85 to 106.85): VV011240.D (-2423) (-)

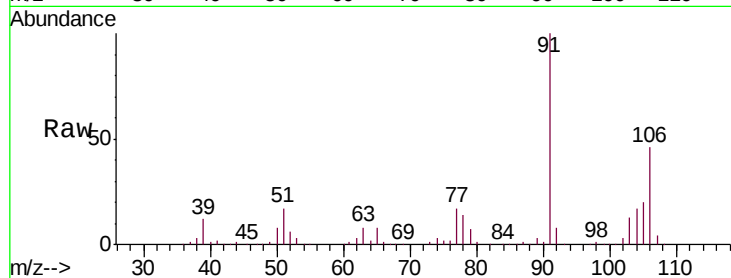




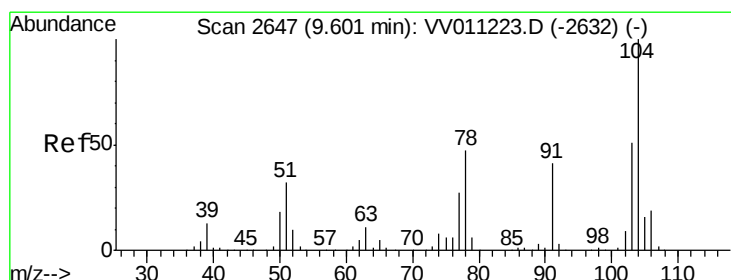
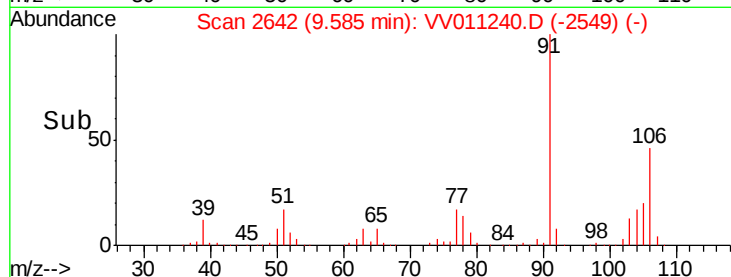
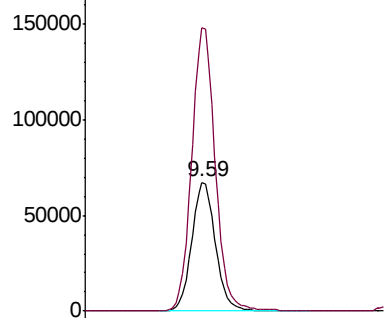
#54
o-xylene
Concen: 5.105 ug/L
RT: 9.59 min Scan# 2642
Delta R.T. 0.00 min
Lab File: VV011240.D
Acq: 05 Jun 2019 19:55

Instrument :
MSVOA_V
ClientSampleId :
VSTD00560

Tgt Ion:106 Resp: 111189
Ion Ratio Lower Upper
106 100
91 219.6 155.4 288.6

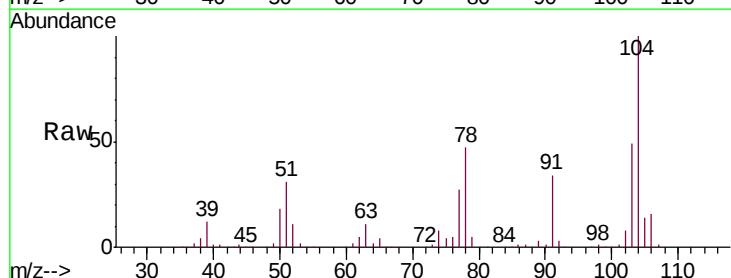


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VV0

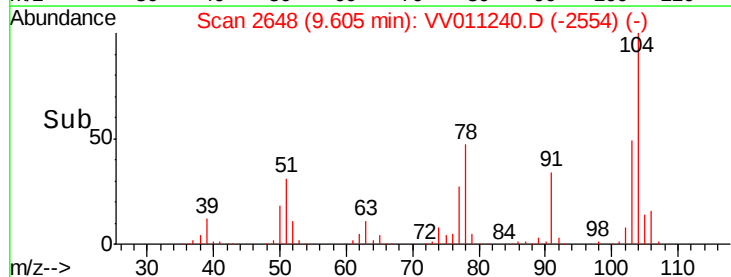
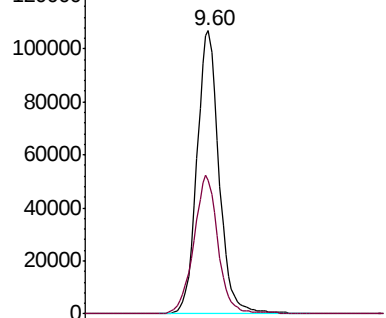


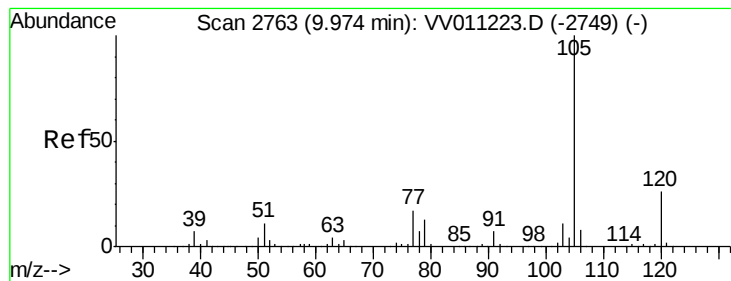
#55
Styrene
Concen: 5.180 ug/L
RT: 9.60 min Scan# 2648
Delta R.T. 0.00 min
Lab File: VV011240.D
Acq: 05 Jun 2019 19:55

Tgt Ion:104 Resp: 183772
Ion Ratio Lower Upper
104 100
78 47.2 32.4 60.2



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





#56

Isopropylbenzene

Concen: 4.965 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. 0.00 min

Lab File: VV011240.D

Acq: 05 Jun 2019 19:55

Instrument :

MSVOA_V

ClientSampleId :

VSTD00560

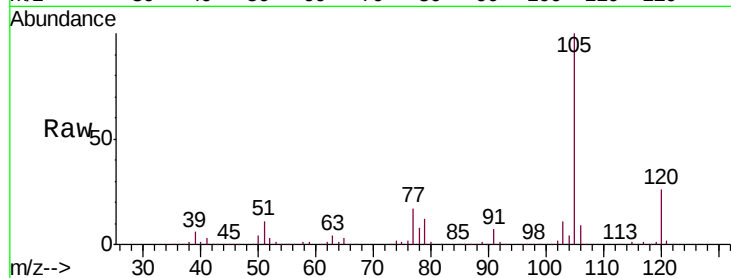
Tgt Ion: 105 Resp: 291062

Ion Ratio Lower Upper

105 100

120 26.0 20.9 31.3

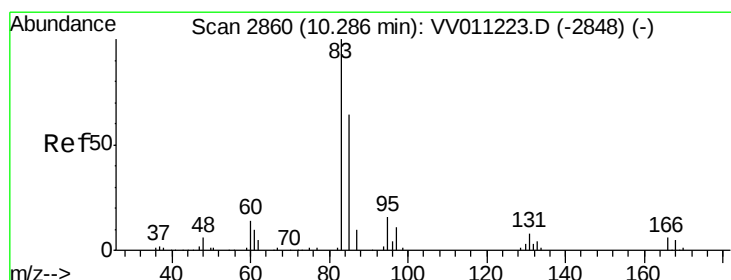
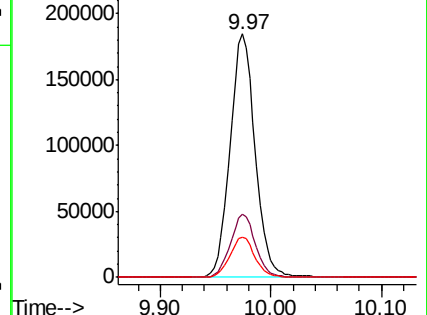
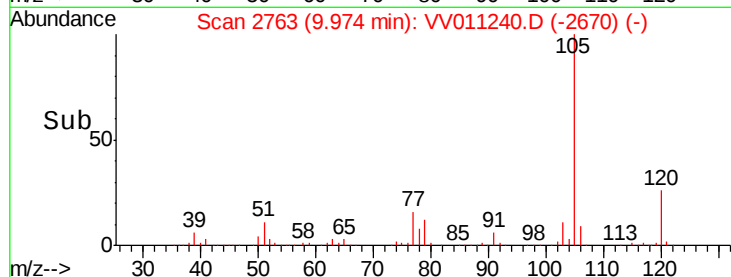
77 16.6 13.8 20.6



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: 5.253 ug/L

RT: 10.29 min Scan# 2860

Delta R.T. 0.00 min

Lab File: VV011240.D

Acq: 05 Jun 2019 19:55

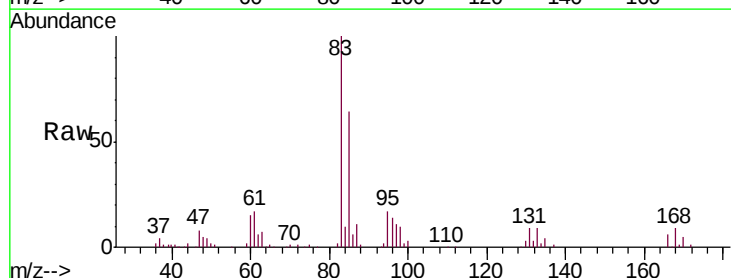
Tgt Ion: 83 Resp: 51444

Ion Ratio Lower Upper

83 100

85 63.6 43.5 80.9

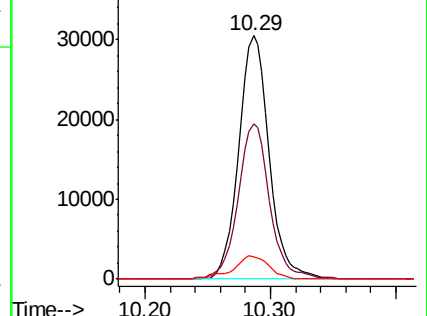
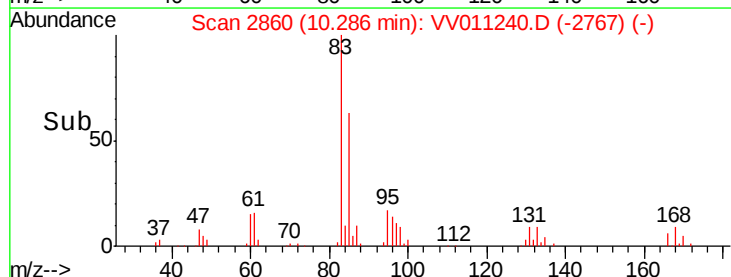
131 9.3 7.5 11.3

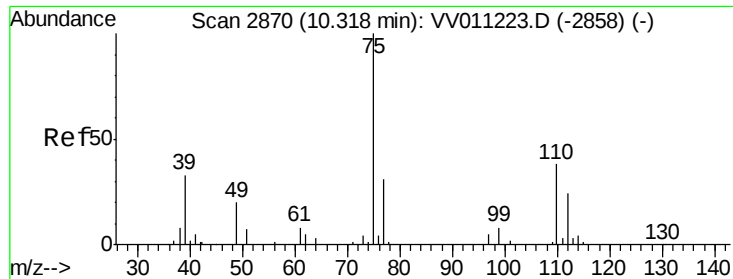


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V

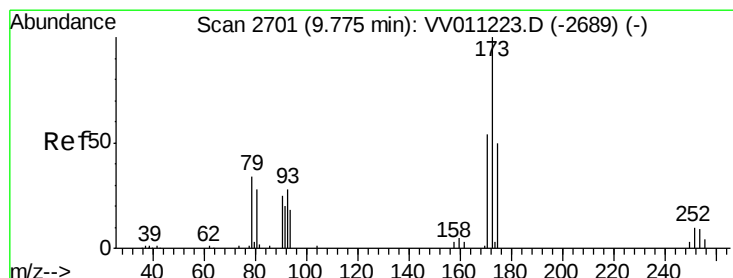
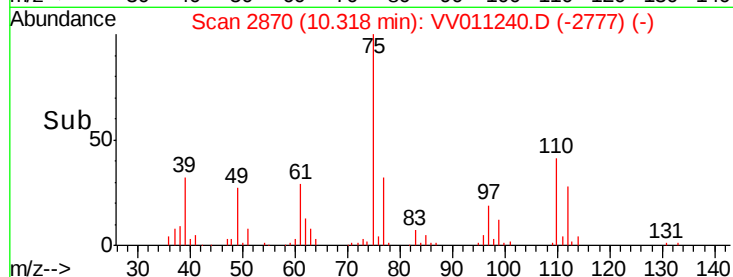
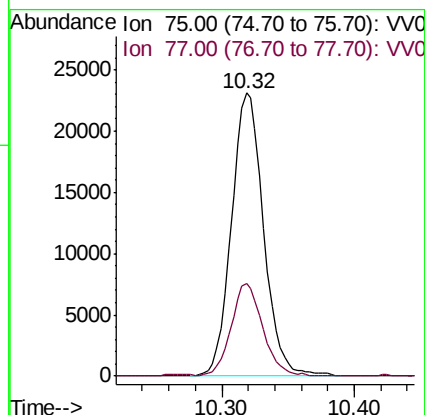
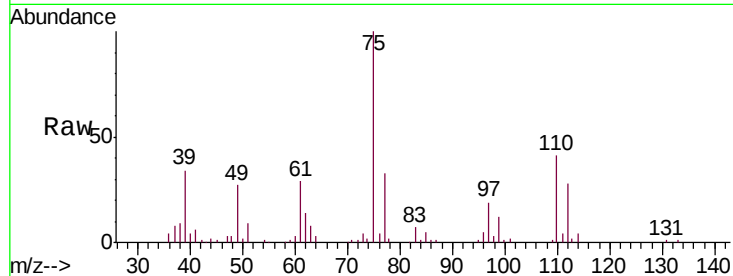




#59
1,2,3-Trichloropropane
Concen: 5.269 ug/L
RT: 10.32 min Scan# 2870
Delta R.T. 0.00 min
Lab File: VV011240.D
Acq: 05 Jun 2019 19:55

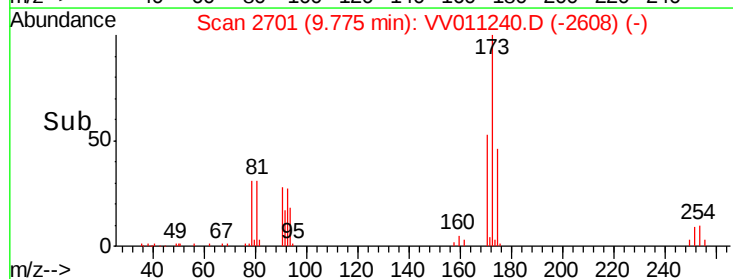
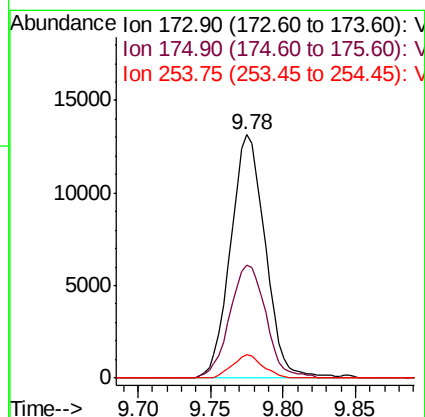
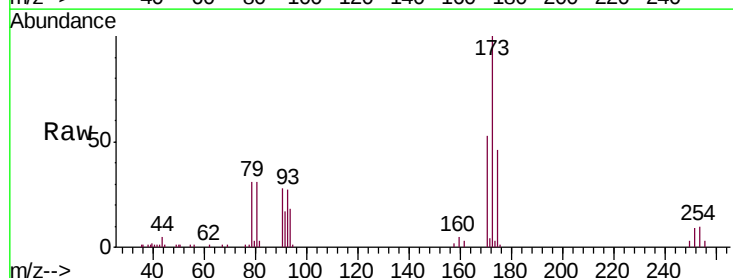
Instrument :
MSVOA_V
ClientSampleId :
VSTD00560

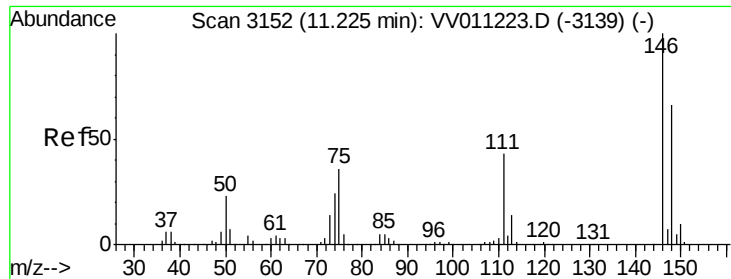
Tgt Ion: 75 Resp: 38783
Ion Ratio Lower Upper
75 100
77 32.3 26.7 40.1



#61
Bromoform
Concen: 5.081 ug/L
RT: 9.78 min Scan# 2701
Delta R.T. 0.00 min
Lab File: VV011240.D
Acq: 05 Jun 2019 19:55

Tgt Ion: 173 Resp: 21851
Ion Ratio Lower Upper
173 100
175 48.5 37.0 55.4
254 8.4 6.9 10.3





#62

1,3-Dichlorobenzene

Concen: 5.083 ug/L

RT: 11.23 min Scan# 3152

Delta R.T. 0.00 min

Lab File: VV011240.D

Acq: 05 Jun 2019 19:55

Instrument :

MSVOA_V

ClientSampleId :

VSTD00560

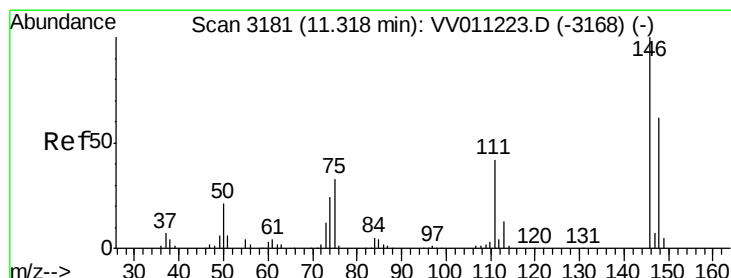
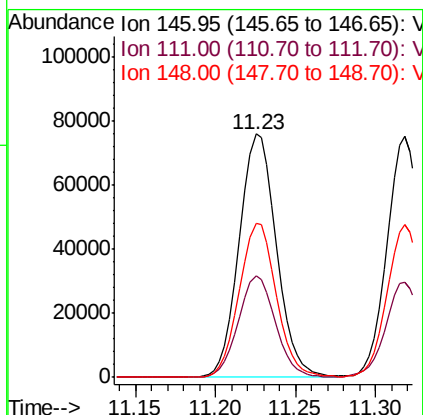
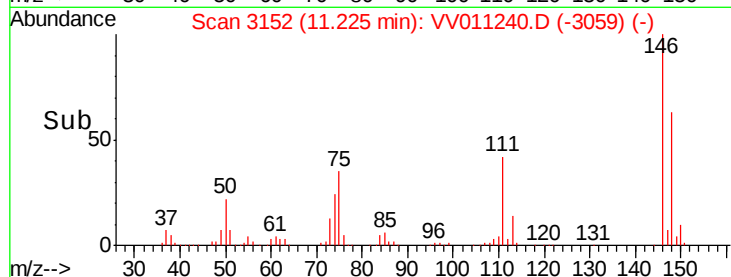
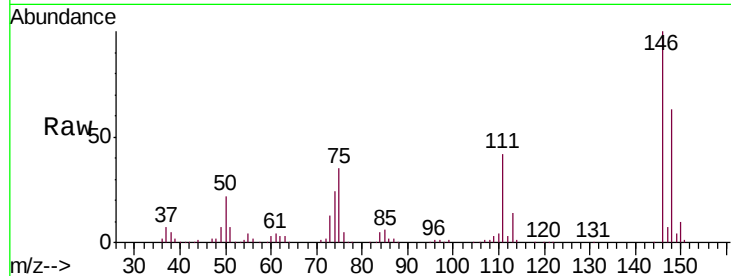
Tgt Ion:146 Resp: 120328

Ion Ratio Lower Upper

146 100

111 41.6 29.0 53.9

148 63.4 44.0 81.8



#63

1,4-Dichlorobenzene

Concen: 5.121 ug/L

RT: 11.32 min Scan# 3181

Delta R.T. 0.00 min

Lab File: VV011240.D

Acq: 05 Jun 2019 19:55

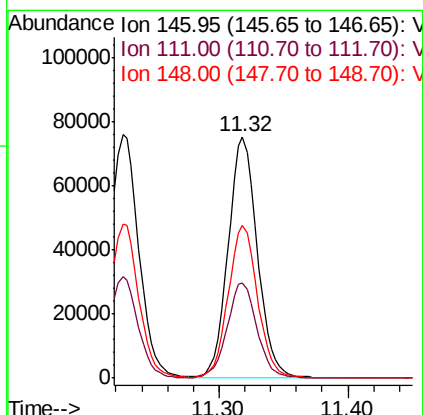
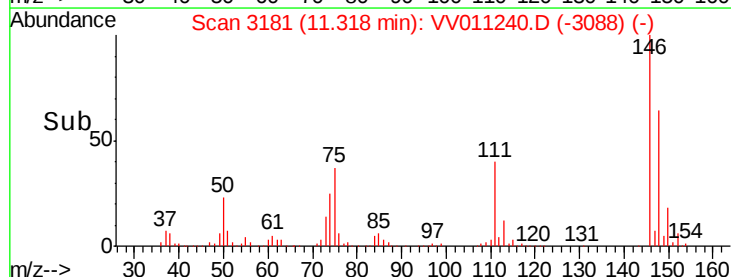
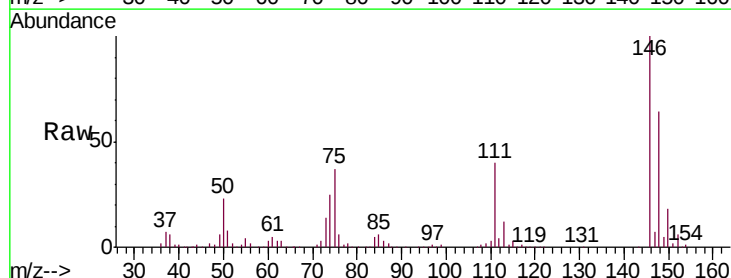
Tgt Ion:146 Resp: 117697

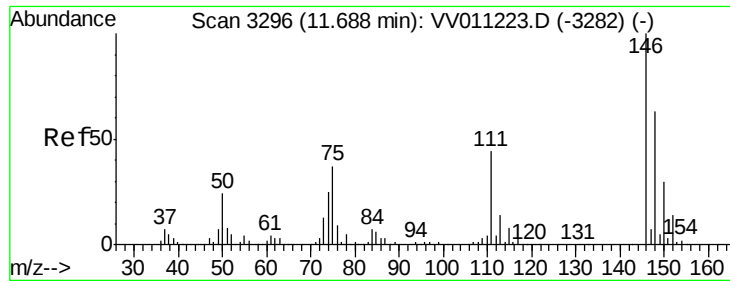
Ion Ratio Lower Upper

146 100

111 39.7 28.3 52.5

148 63.6 44.6 82.8

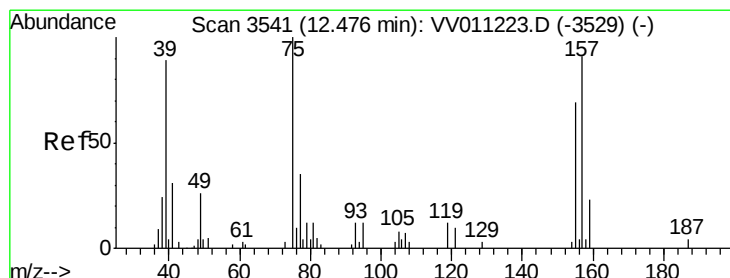
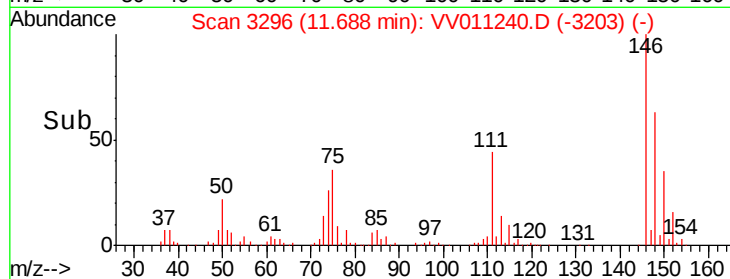
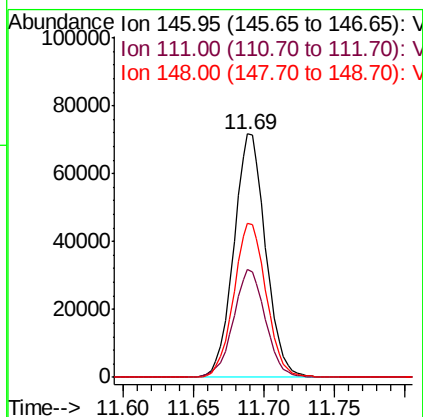
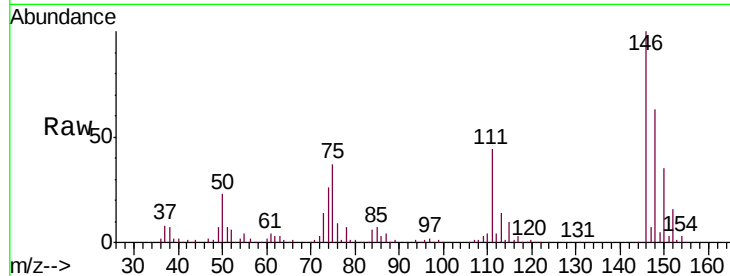




#65
 1,2-Dichlorobenzene
 Concen: 5.167 ug/L
 RT: 11.69 min Scan# 3296
 Delta R.T. 0.00 min
 Lab File: VV011240.D
 Acq: 05 Jun 2019 19:55

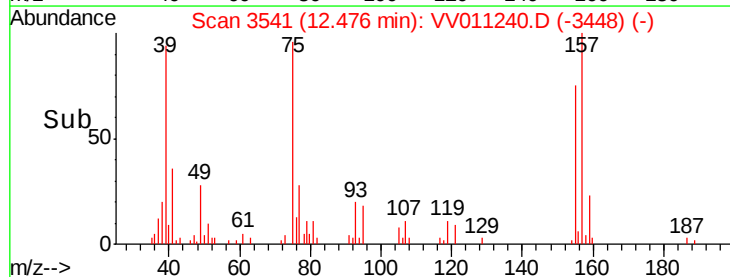
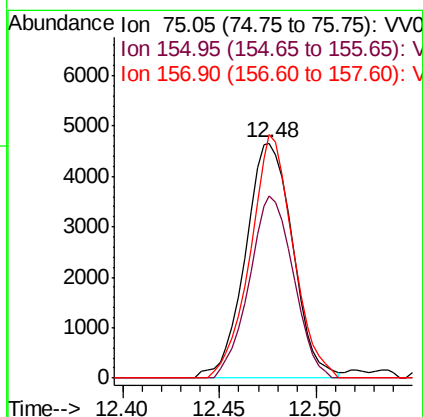
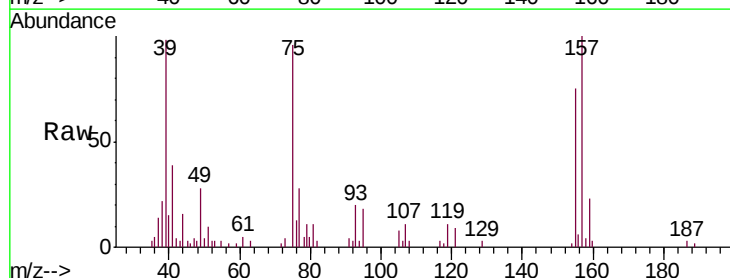
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00560

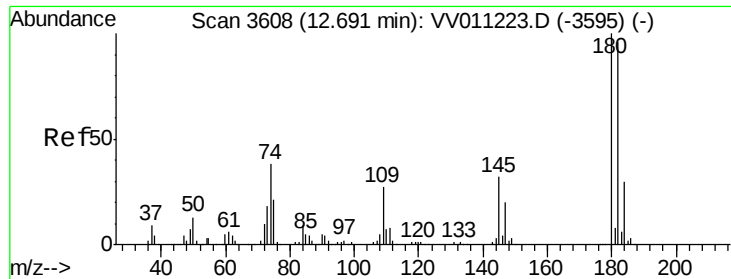
Tgt Ion: 146 Resp: 113065
 Ion Ratio Lower Upper
 146 100
 111 44.1 33.9 50.9
 148 63.1 50.3 75.5



#66
 1,2-Dibromo-3-chloropropane
 Concen: 5.045 ug/L
 RT: 12.48 min Scan# 3541
 Delta R.T. 0.00 min
 Lab File: VV011240.D
 Acq: 05 Jun 2019 19:55

Tgt Ion: 75 Resp: 7911
 Ion Ratio Lower Upper
 75 100
 155 77.4 64.4 96.6
 157 103.6 66.7 100.1#

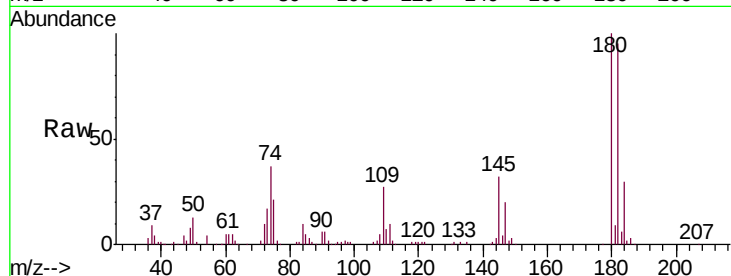




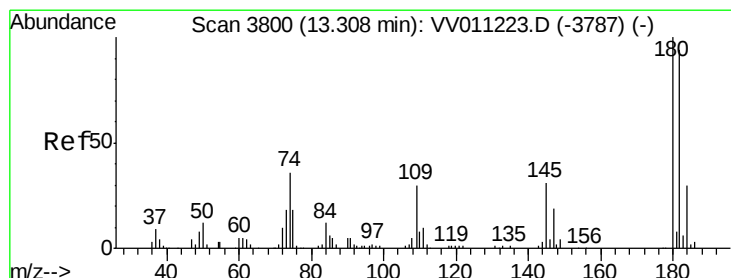
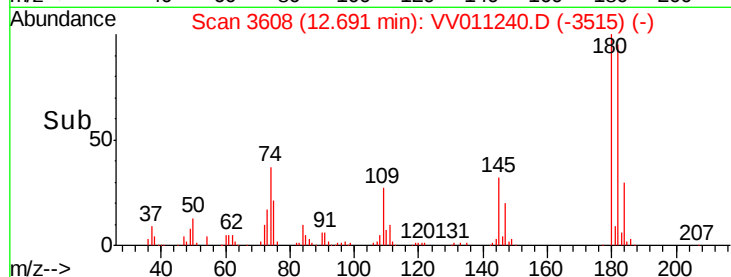
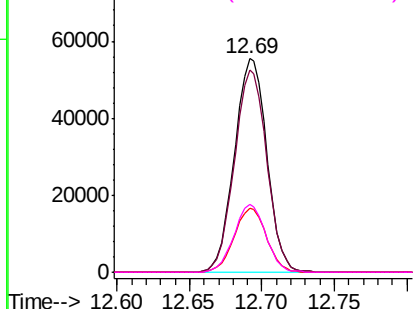
#67
 1,3,5-Trichlorobenzene
 Concen: 5.041 ug/L
 RT: 12.69 min Scan# 3608
 Delta R.T. 0.00 min
 Lab File: VV011240.D
 Acq: 05 Jun 2019 19:55

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00560

Tgt Ion:180 Resp: 85865
 Ion Ratio Lower Upper
 180 100
 182 94.7 76.7 115.1
 184 30.0 23.8 35.8
 145 31.0 24.2 36.2

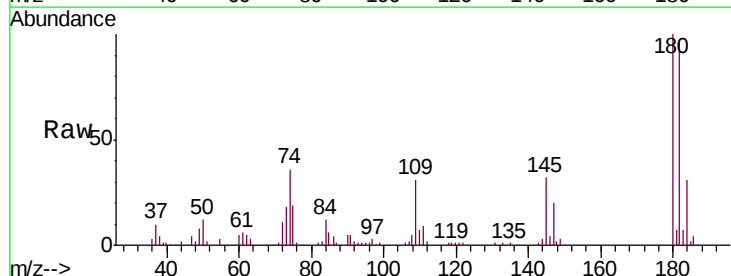


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

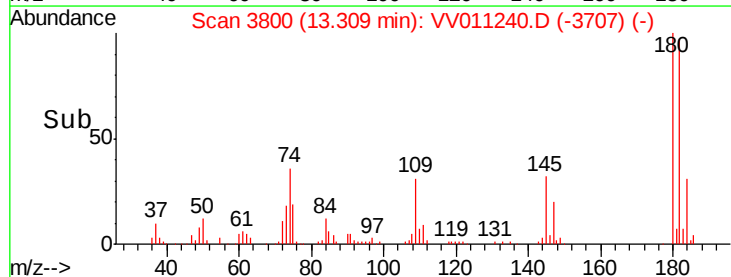
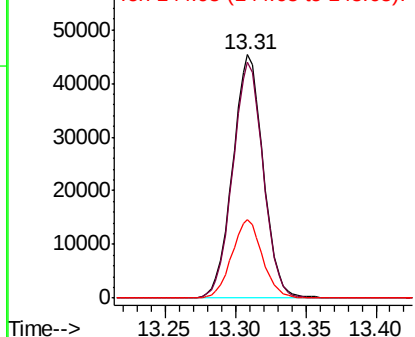


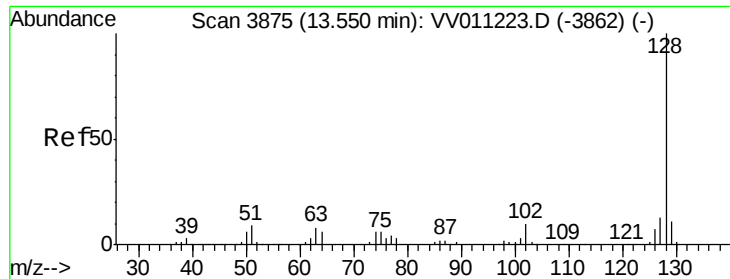
#68
 1,2,4-trichlorobenzene
 Concen: 5.327 ug/L
 RT: 13.31 min Scan# 3800
 Delta R.T. 0.00 min
 Lab File: VV011240.D
 Acq: 05 Jun 2019 19:55

Tgt Ion:180 Resp: 68875
 Ion Ratio Lower Upper
 180 100
 182 96.5 78.8 118.2
 145 32.0 26.3 39.5



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: 6.067 ug/L

RT: 13.55 min Scan# 3875

Delta R.T. 0.00 min

Lab File: VV011240.D

Acq: 05 Jun 2019 19:55

Instrument :

MSVOA_V

ClientSampleId :

VSTD00560

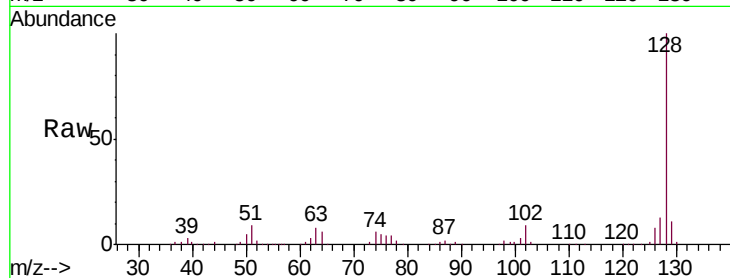
Tgt Ion:128 Resp: 128408

Ion Ratio Lower Upper

128 100

129 10.9 8.9 13.3

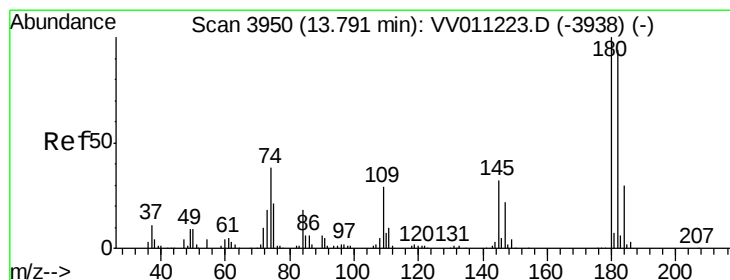
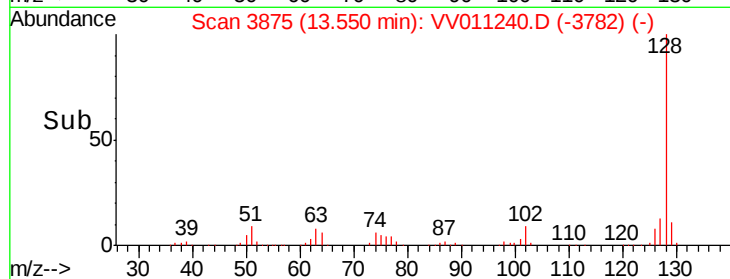
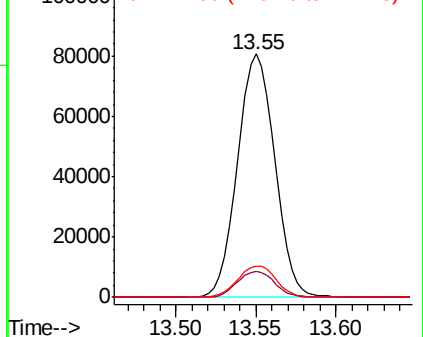
127 13.3 10.5 15.7



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: 5.653 ug/L

RT: 13.79 min Scan# 3950

Delta R.T. 0.00 min

Lab File: VV011240.D

Acq: 05 Jun 2019 19:55

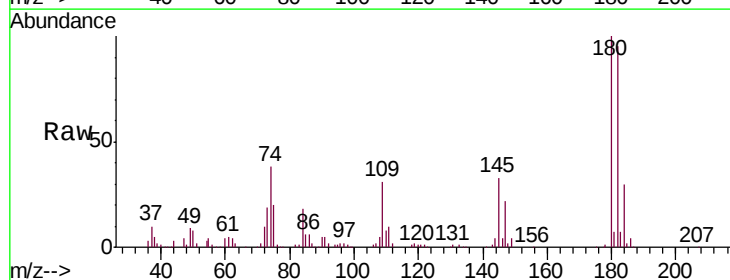
Tgt Ion:180 Resp: 65542

Ion Ratio Lower Upper

180 100

182 94.5 78.6 117.8

145 33.2 26.9 40.3



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

