

Data File : VV011208.D
Acq On : 04 Jun 2019 15:51
Operator : SY/MD
Sample : VSTDCCC005
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD00557

Quant Time: Jun 05 01:37:29 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR060419WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Jun 04 15:14:23 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	214761	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	199249	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	90832	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	67878	4.17	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	83.40%
7) Chloroethane-d5	1.58	69	52485	3.88	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	77.60%
11) 1,1-Dichloroethene-d2	2.13	63	136556	4.20	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	84.00%
20) 2-Butanone-d5	3.96	46	154602	42.20	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	84.40%
24) Chloroform-d	4.40	84	118625	4.14	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	82.80%
26) 1,2-Dichloroethane-d4	5.08	65	62949	4.07	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	81.40%
32) Benzene-d6	5.10	84	245939	4.13	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	82.60%
36) 1,2-Dichloropropane-d6	6.12	67	74110	4.04	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	80.80%
41) Toluene-d8	7.36	98	227973	4.16	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	83.20%
43) trans-1,3-Dichloropropene-	7.66	79	28629	4.09	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	81.80%
46) 2-Hexanone-d5	8.14	63	121405	41.06	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	82.12%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	50409	4.03	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	80.60%
64) 1,2-Dichlorobenzene-d4	11.67	152	74215	4.14	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	82.80%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	96231	4.543 ug/L	97
3) Chloromethane	1.25	50	86546	4.226 ug/L	100
5) Vinyl chloride	1.32	62	85264	4.315 ug/L	99
6) Bromomethane	1.53	94	44034	4.283 ug/L	97
8) Chloroethane	1.60	64	51606	4.087 ug/L	96
9) Trichlorofluoromethane	1.76	101	120527	4.444 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	61647	4.428 ug/L	98
12) 1,1-Dichloroethene	2.13	96	57188	4.226 ug/L	90
13) Acetone	2.22	43	106254	43.256 ug/L	98
14) Carbon disulfide	2.31	76	177568	4.326 ug/L	100
15) Methyl Acetate	2.47	43	27385	4.198 ug/L	99
16) Methylene chloride	2.53	84	60313	4.326 ug/L	99
17) Methyl tert-butyl Ether	2.81	73	154830	4.286 ug/L	99
18) trans-1,2-Dichloroethene	2.78	96	68483	4.520 ug/L	98
19) 1,1-Dichloroethane	3.22	63	129536	4.335 ug/L	98
21) 2-Butanone	4.05	43	169625	44.840 ug/L	97
22) cis-1,2-Dichloroethene	3.96	96	71325	4.251 ug/L	97

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Instrument :
MSVOA_V
ClientSampleId :
VSTD00557

Quant Time: Jun 05 01:37:29 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR060419WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Jun 04 15:14:23 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	28044	4.360	ug/L	97
25) Chloroform	4.42	83	131147	4.249	ug/L	100
27) 1,2-Dichloroethane	5.18	62	82692	4.385	ug/L	99
29) 1,1,1-Trichloroethane	4.65	97	110802	4.360	ug/L	99
30) Cyclohexane	4.72	56	126293	4.482	ug/L	99
31) Carbon tetrachloride	4.87	117	92606	4.360	ug/L	99
33) Benzene	5.14	78	277357	4.375	ug/L	100
34) Trichloroethene	5.96	95	73266	4.473	ug/L	96
35) Methylcyclohexane	6.17	83	120839	4.461	ug/L	97
37) 1,2-Dichloropropane	6.22	63	67714	4.291	ug/L	100
38) Bromodichloromethane	6.56	83	85610	4.388	ug/L	99
39) cis-1,3-Dichloropropene	7.07	75	99830	4.324	ug/L	100
40) 4-Methyl-2-pentanone	7.28	43	443451	44.130	ug/L	99
42) Toluene	7.43	91	296974	4.395	ug/L	99
44) trans-1,3-Dichloropropene	7.69	75	75186	4.284	ug/L	97
45) 1,1,2-Trichloroethane	7.88	97	42446	4.202	ug/L	94
47) Tetrachloroethene	8.02	164	53704	4.537	ug/L	96
48) 2-Hexanone	8.19	43	307502	43.877	ug/L	100
49) Dibromochloromethane	8.29	129	49453	4.310	ug/L	97
50) 1,2-Dibromoethane	8.40	107	40353	4.203	ug/L	96
51) Chlorobenzene	8.92	112	177610	4.310	ug/L	99
52) Ethylbenzene	9.05	91	332119	4.426	ug/L	100
53) m,p-xylene	9.18	106	124290	4.479	ug/L	98
54) o-xylene	9.59	106	123038	4.518	ug/L	96
55) Styrene	9.60	104	196720	4.435	ug/L	97
56) Isopropylbenzene	9.97	105	324623	4.429	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	52336	4.274	ug/L	100
59) 1,2,3-Trichloropropane	10.32	75	37753	4.102	ug/L	100
61) Bromoform	9.77	173	23488	4.305	ug/L	97
62) 1,3-Dichlorobenzene	11.23	146	132617	4.415	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	131211	4.500	ug/L	100
65) 1,2-Dichlorobenzene	11.69	146	121725	4.385	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.48	75	8073	4.058	ug/L	90
67) 1,3,5-Trichlorobenzene	12.69	180	98373	4.553	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	73813	4.499	ug/L	97
69) Naphthalene	13.55	128	126444	4.709	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	67932	4.618	ug/L	98

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

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ALS Vial      : 1      Sample Multiplier: 1
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Instrument :
MSVOA_V
ClientSampleId :
VSTD00557

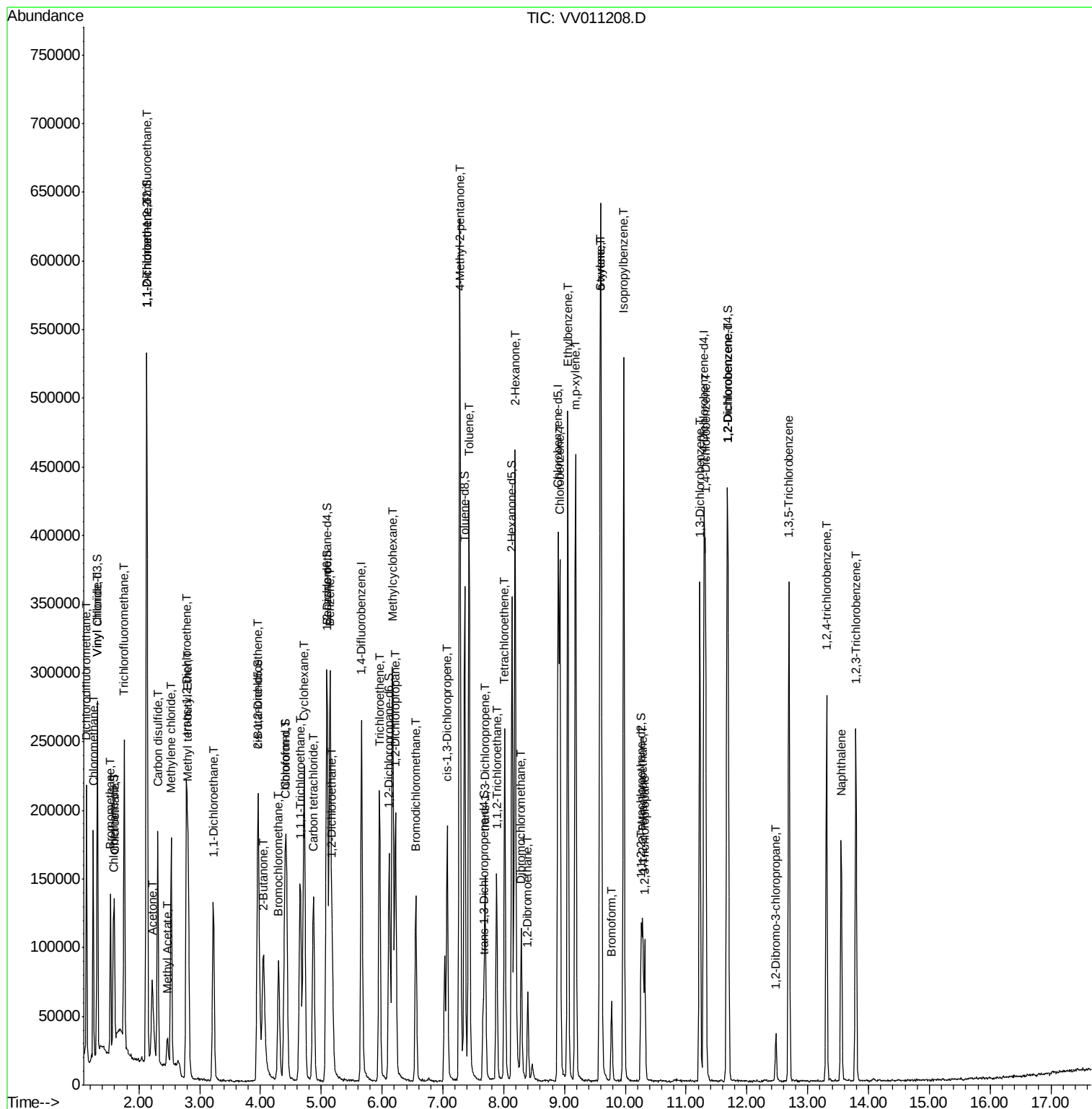
Quant Time: Jun 05 01:37:29 2019

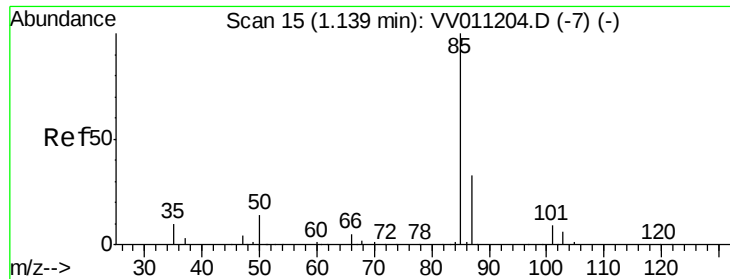
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_V\METHOD\S0MVTR060419WMA.M

Quant Title : TRACE VOA SOM01.0

QLast Update : Tue Jun 04 15:14:23 2019

Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 4.543 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV011208.D

Acq: 04 Jun 2019 15:51

Instrument :

MSVOA_V

ClientSampleId :

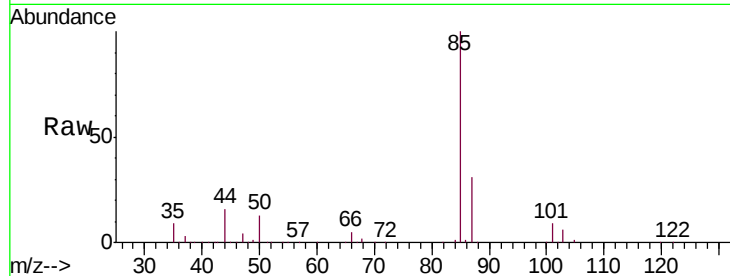
VSTD00557

Tgt Ion: 85 Resp: 96231

Ion Ratio Lower Upper

85 100

87 31.2 26.5 39.7



Abundance Ion 85.00 (84.70 to 85.70): VV011208.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VV011208.D (-1) (-)

120000

100000

80000

60000

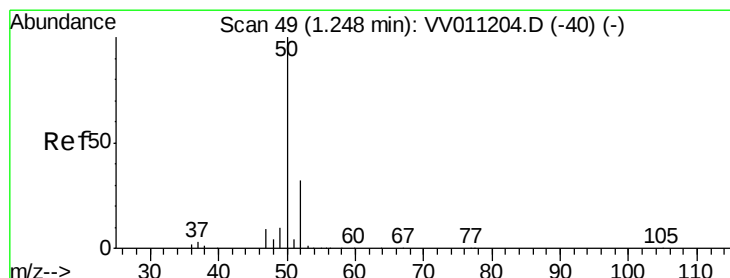
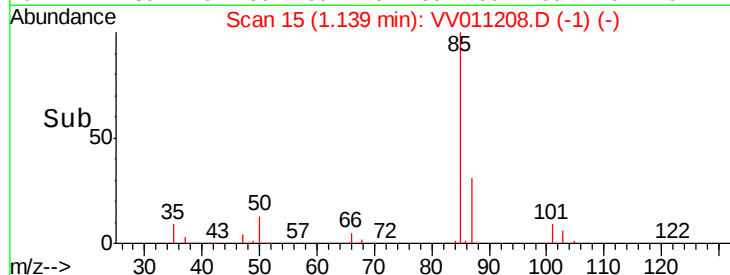
40000

20000

0

1.10 1.15 1.20

Time-->



#3

Chloromethane

Concen: 4.226 ug/L

RT: 1.25 min Scan# 49

Delta R.T. 0.00 min

Lab File: VV011208.D

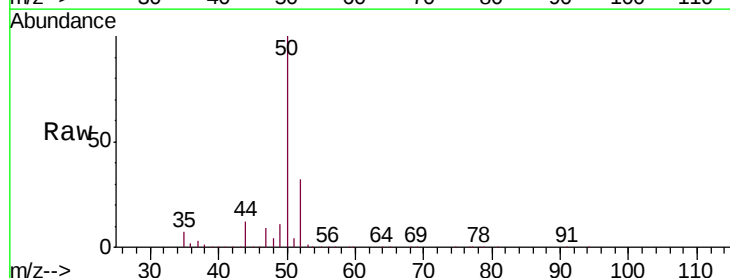
Acq: 04 Jun 2019 15:51

Tgt Ion: 50 Resp: 86546

Ion Ratio Lower Upper

50 100

52 31.7 22.3 41.5



Abundance Ion 50.05 (49.75 to 50.75): VV011208.D (-1) (-)

Ion 52.05 (51.75 to 52.75): VV011208.D (-1) (-)

100000

80000

60000

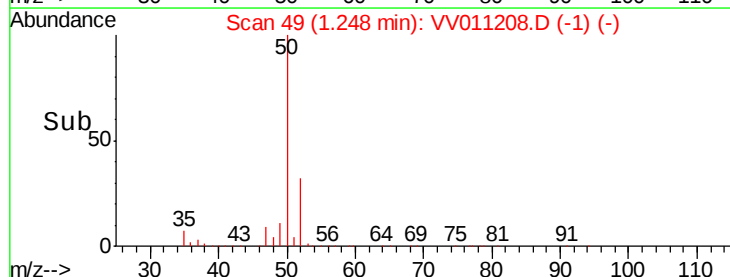
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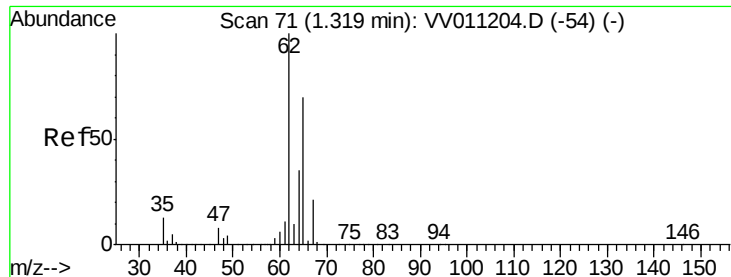
20000

0

1.20 1.25 1.30

Time-->





#5

Vinyl chloride

Concen: 4.315 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV011208.D

Acq: 04 Jun 2019 15:51

Instrument :

MSVOA_V

ClientSampleId :

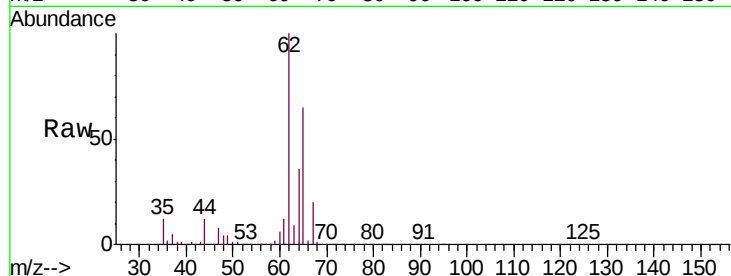
VSTD00557

Tgt Ion: 62 Resp: 85264

Ion Ratio Lower Upper

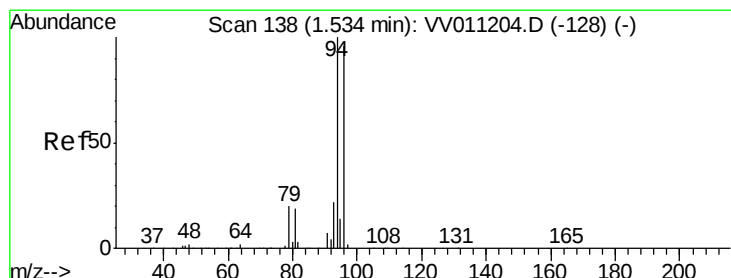
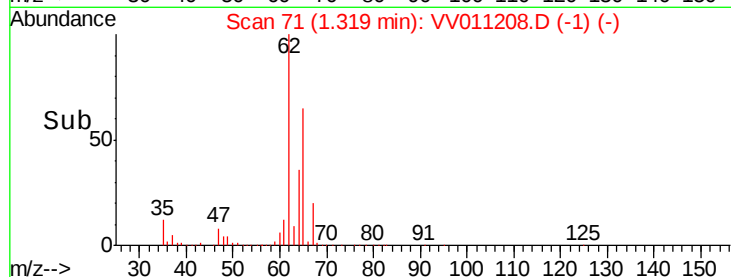
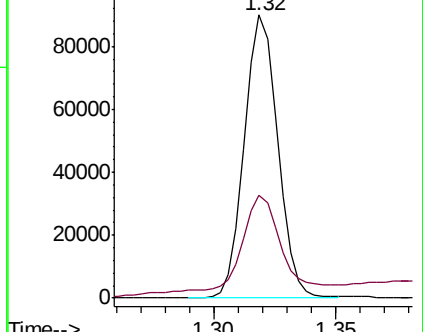
62 100

64 36.3 25.9 48.1



Abundance Ion 62.00 (61.70 to 62.70): VV011208.D (-1) (-)

Ion 64.10 (63.80 to 64.80): VV011208.D (-1) (-)



#6

Bromomethane

Concen: 4.283 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV011208.D

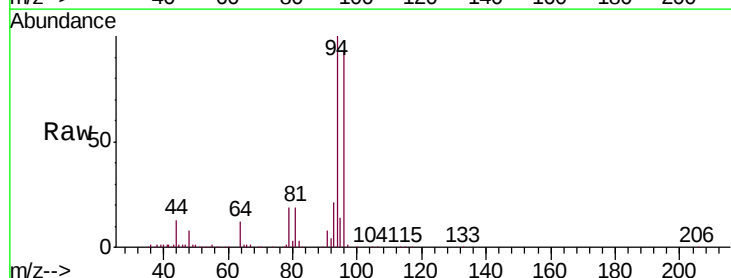
Acq: 04 Jun 2019 15:51

Tgt Ion: 94 Resp: 44034

Ion Ratio Lower Upper

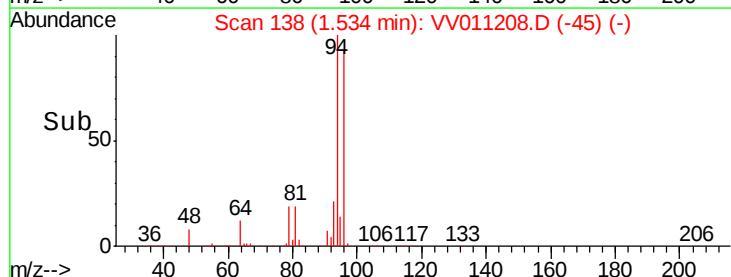
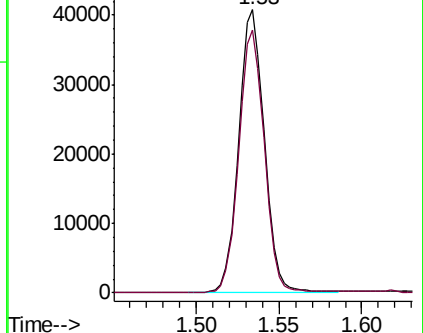
94 100

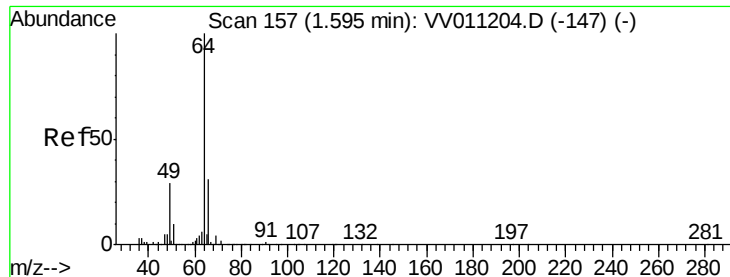
96 92.9 67.0 124.4



Abundance Ion 94.00 (93.70 to 94.70): VV011208.D (-45) (-)

Ion 96.00 (95.70 to 96.70): VV011208.D (-45) (-)

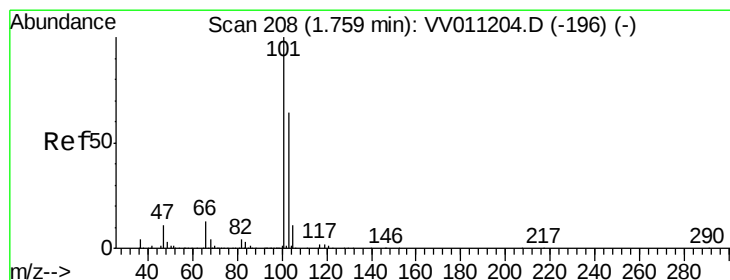
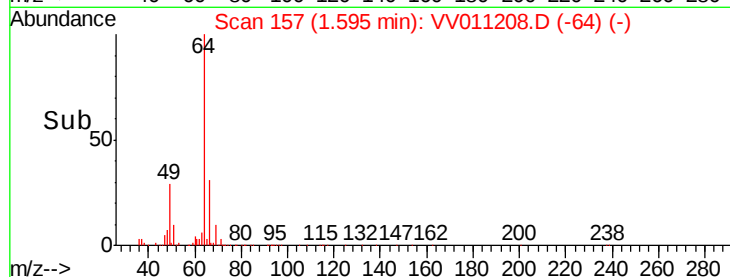
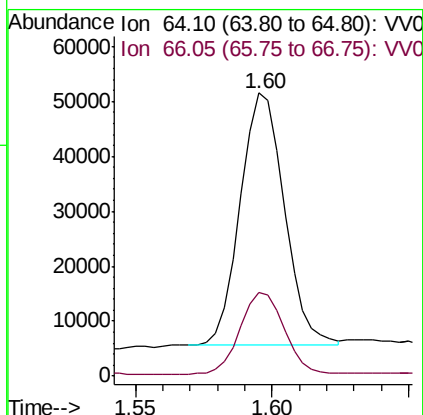
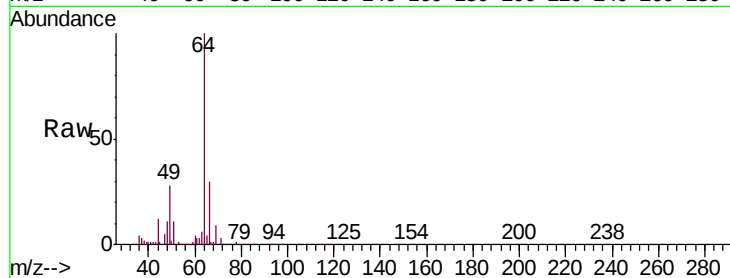




#8
Chloroethane
Concen: 4.087 ug/L
RT: 1.60 min Scan# 157
Delta R.T. 0.00 min
Lab File: VV011208.D
Acq: 04 Jun 2019 15:51

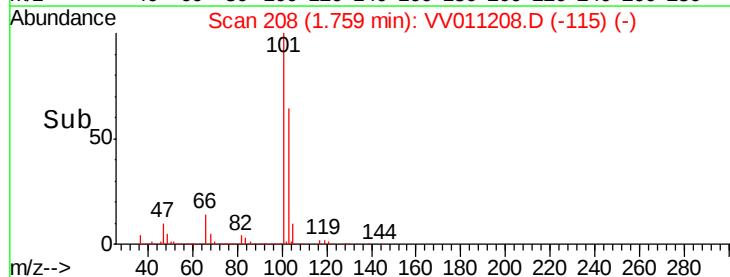
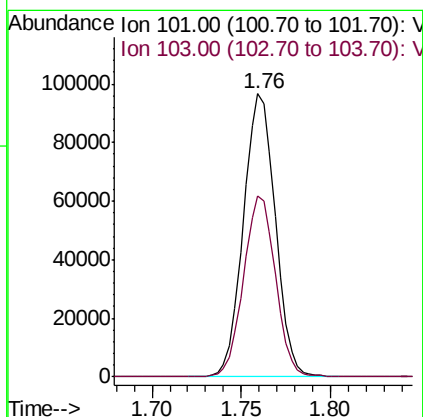
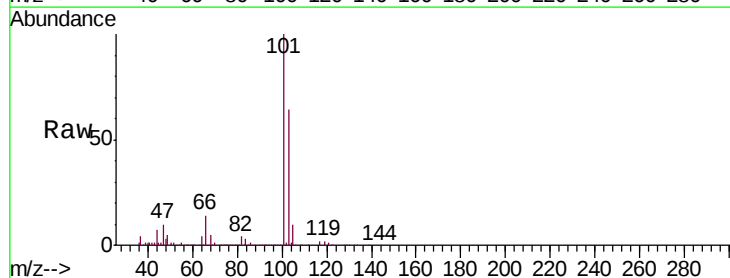
Instrument :
MSVOA_V
ClientSampleId :
VSTD00557

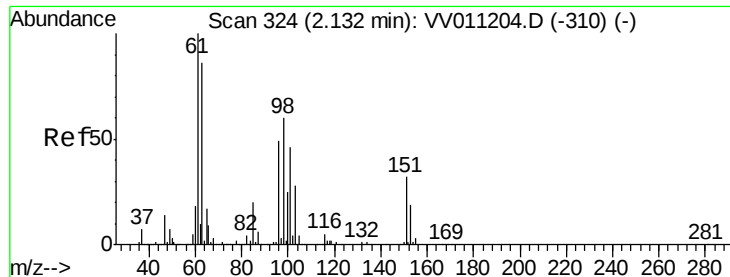
Tgt Ion: 64 Resp: 51606
Ion Ratio Lower Upper
64 100
66 29.6 19.4 36.0



#9
Trichlorofluoromethane
Concen: 4.444 ug/L
RT: 1.76 min Scan# 208
Delta R.T. 0.00 min
Lab File: VV011208.D
Acq: 04 Jun 2019 15:51

Tgt Ion: 101 Resp: 120527
Ion Ratio Lower Upper
101 100
103 63.6 50.8 76.2





#10

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

Concen: 4.428 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV011208.D

Acq: 04 Jun 2019 15:51

Instrument :

MSVOA_V

ClientSampleId :

VSTD00557

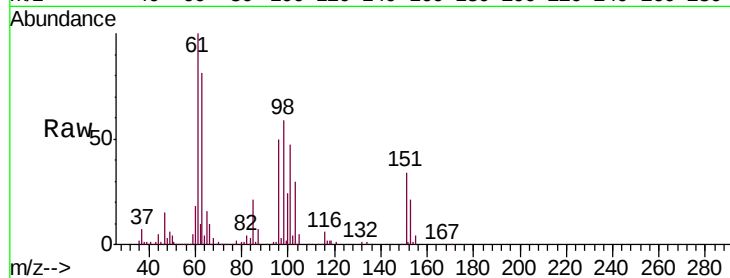
Tgt Ion:101 Resp: 61647

Ion Ratio Lower Upper

101 100

85 47.0 35.5 53.3

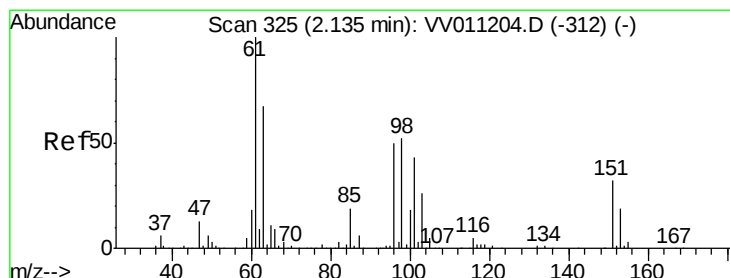
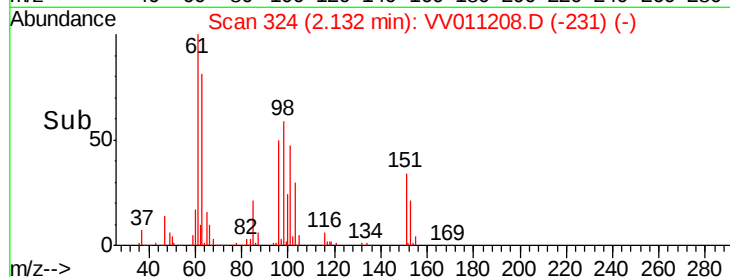
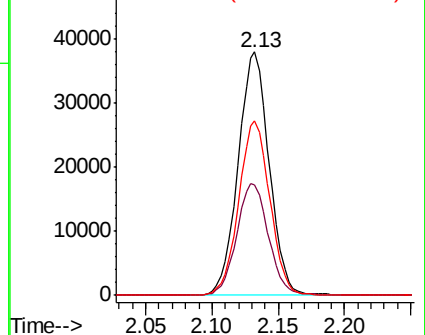
151 71.9 56.9 85.3



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: 4.226 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV011208.D

Acq: 04 Jun 2019 15:51

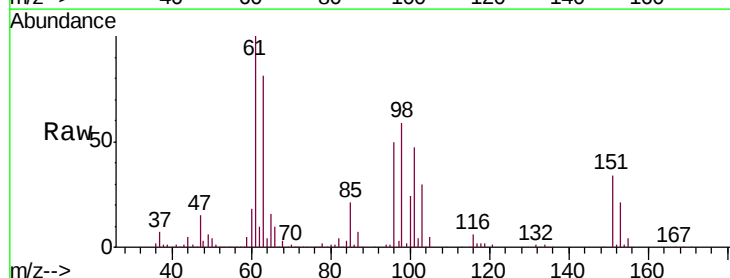
Tgt Ion: 96 Resp: 57188

Ion Ratio Lower Upper

96 100

61 201.0 139.8 259.6

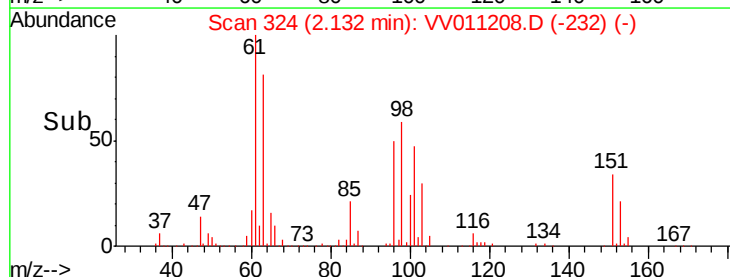
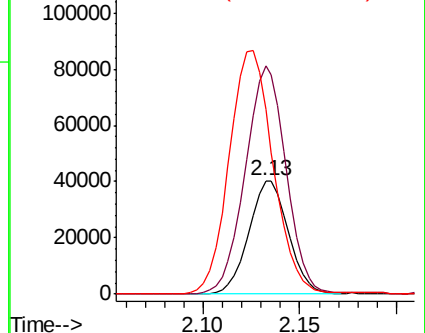
63 163.0 94.3 175.1

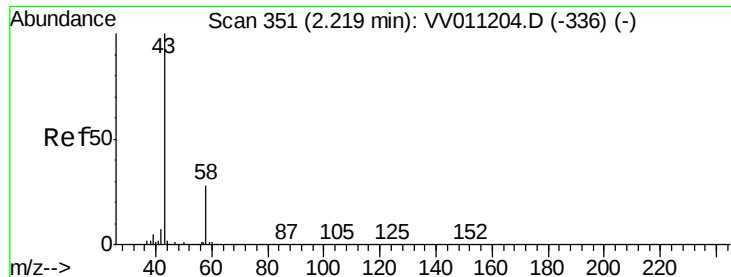


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 43.256 ug/L

RT: 2.22 min Scan# 351

Delta R.T. 0.00 min

Lab File: VV011208.D

Acq: 04 Jun 2019 15:51

Instrument :

MSVOA_V

ClientSampleId :

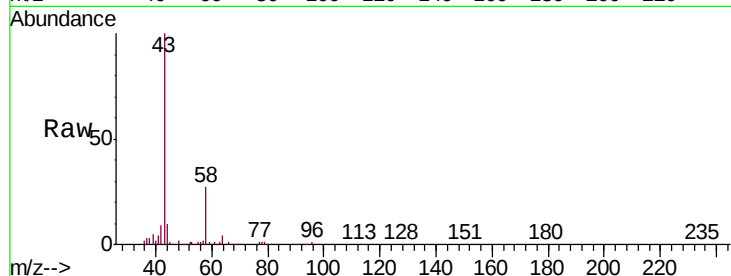
VSTD00557

Tgt Ion: 43 Resp: 106254

Ion Ratio Lower Upper

43 100

58 26.4 0.0 55.2



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

2.22

40000

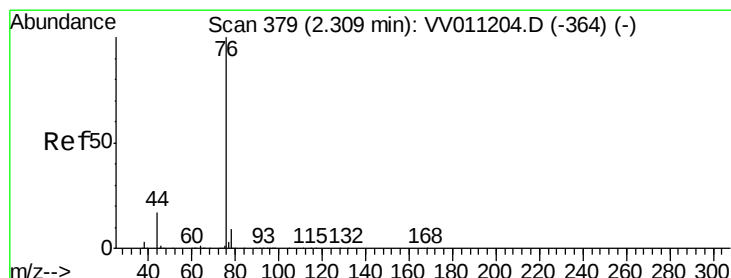
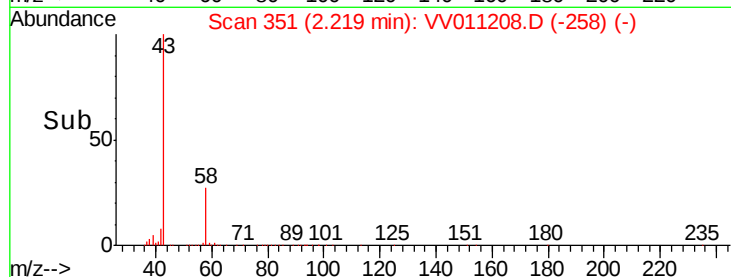
30000

20000

10000

0

Time--> 2.10 2.20 2.30



#14

Carbon disulfide

Concen: 4.326 ug/L

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VV011208.D

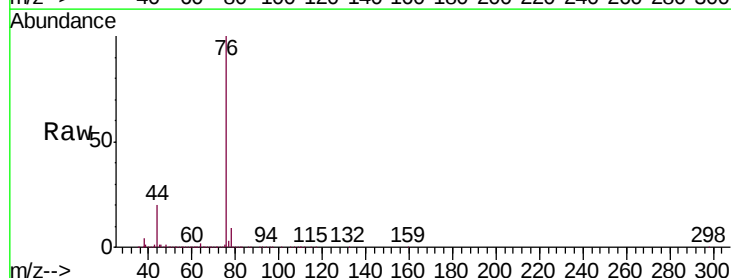
Acq: 04 Jun 2019 15:51

Tgt Ion: 76 Resp: 177568

Ion Ratio Lower Upper

76 100

78 9.2 7.3 10.9



Abundance Ion 76.05 (75.75 to 76.75): VV0

Ion 78.00 (77.70 to 78.70): VV0

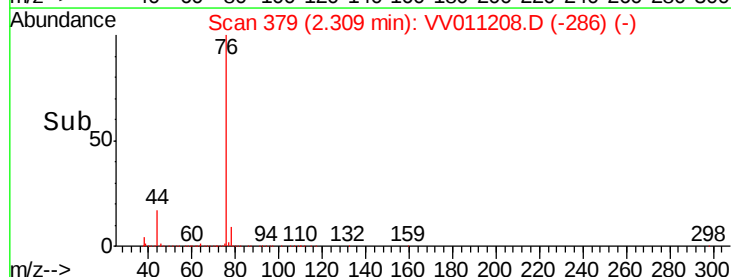
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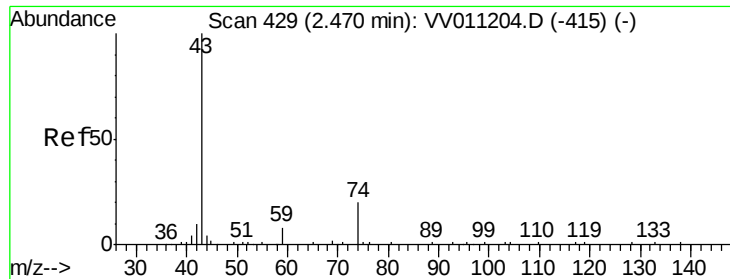
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50000

0

Time--> 2.25 2.30 2.35 2.40

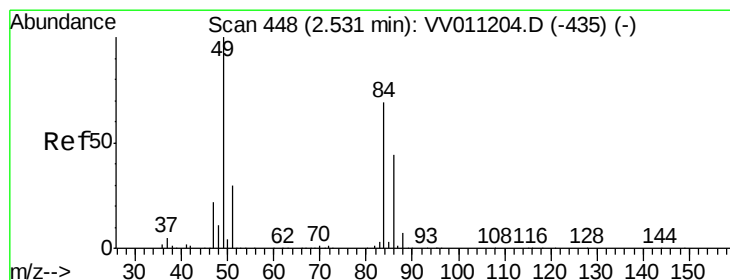
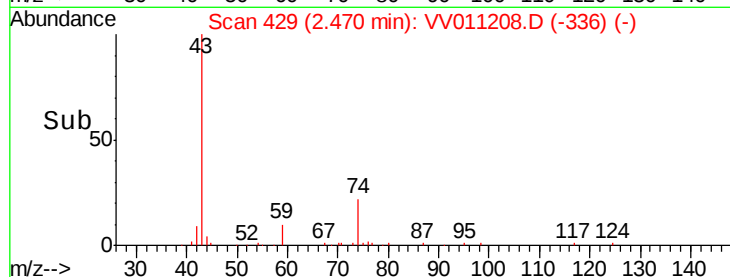
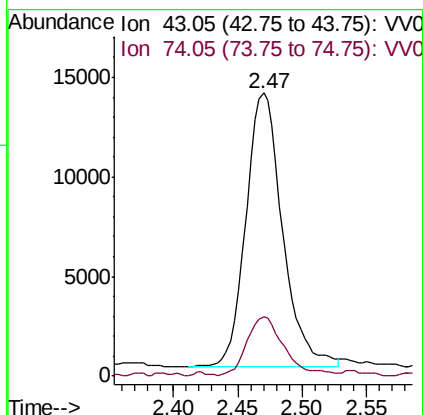
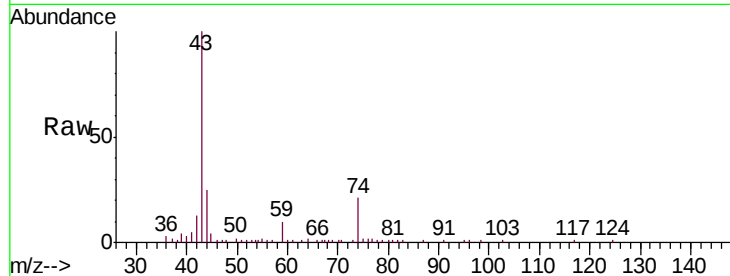




#15
Methyl Acetate
Concen: 4.198 ug/L
RT: 2.47 min Scan# 429
Delta R.T. 0.00 min
Lab File: VV011208.D
Acq: 04 Jun 2019 15:51

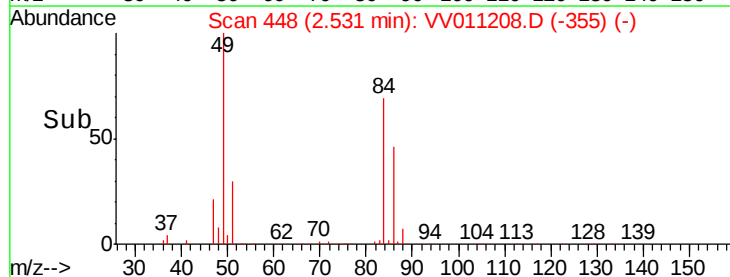
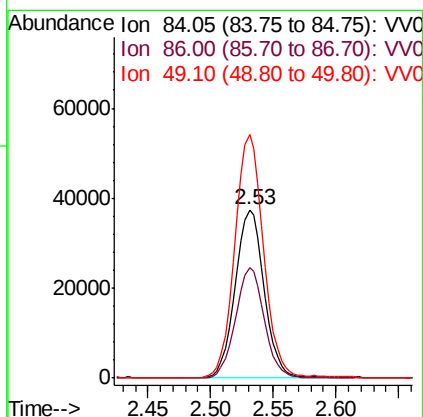
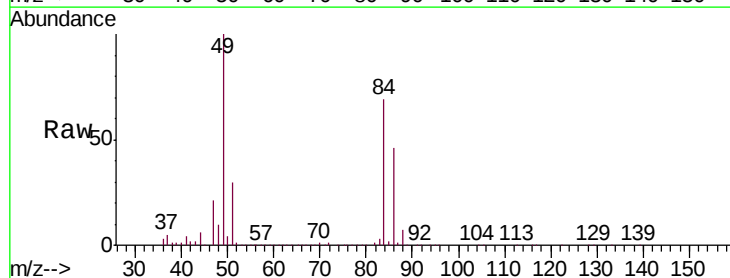
Instrument :
MSVOA_V
ClientSampleId :
VSTD00557

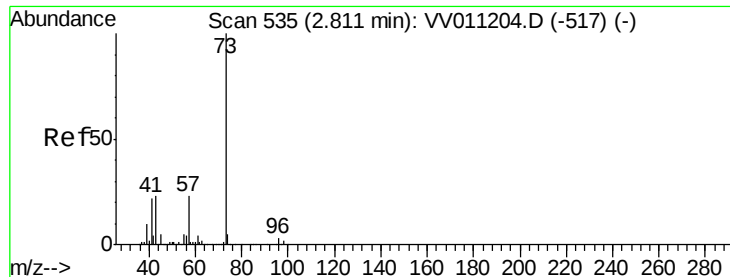
Tgt Ion: 43 Resp: 27385
Ion Ratio Lower Upper
43 100
74 22.4 18.5 27.7



#16
Methylene chloride
Concen: 4.326 ug/L
RT: 2.53 min Scan# 448
Delta R.T. 0.00 min
Lab File: VV011208.D
Acq: 04 Jun 2019 15:51

Tgt Ion: 84 Resp: 60313
Ion Ratio Lower Upper
84 100
86 66.0 44.9 83.3
49 144.6 102.1 189.5



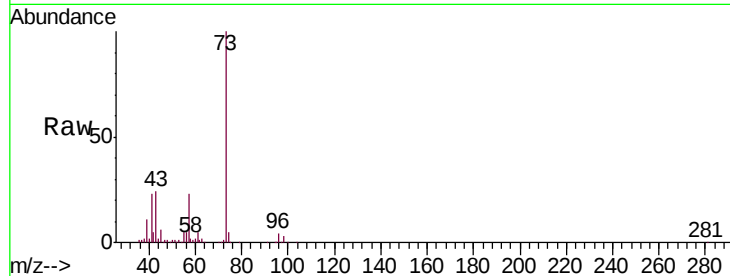


#17

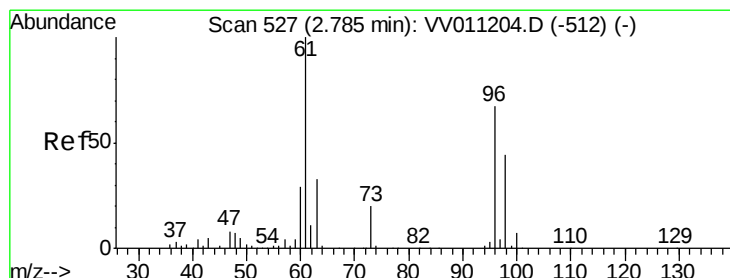
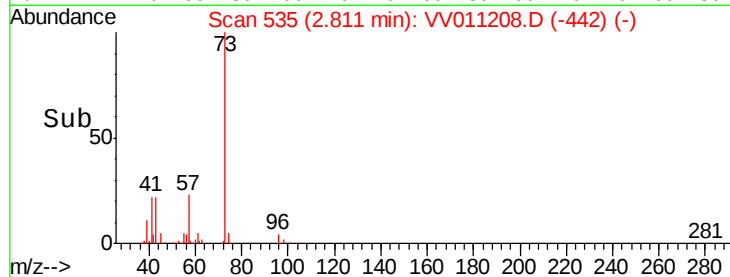
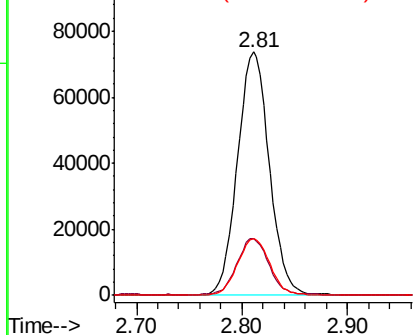
Methyl tert-butyl Ether
 Concen: 4.286 ug/L
 RT: 2.81 min Scan# 535
 Delta R.T. 0.00 min
 Lab File: VV011208.D
 Acq: 04 Jun 2019 15:51

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00557

Tgt Ion: 73 Resp: 154830
 Ion Ratio Lower Upper
 73 100
 43 23.0 18.7 28.1
 57 23.7 18.1 27.1



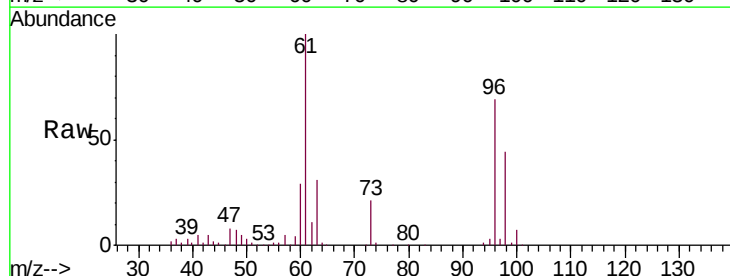
Abundance Ion 73.10 (72.80 to 73.80): VV0
 100000 Ion 43.05 (42.75 to 43.75): VV0
 Ion 57.10 (56.80 to 57.80): VV0



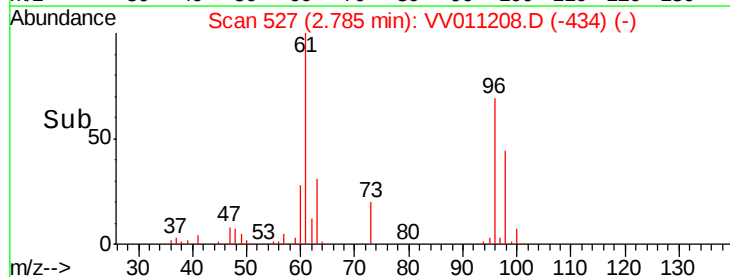
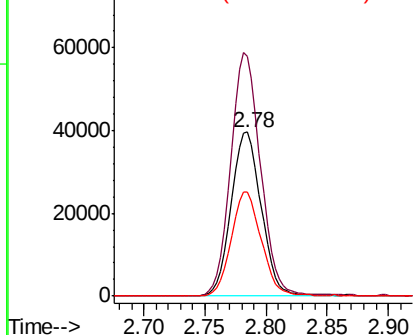
#18

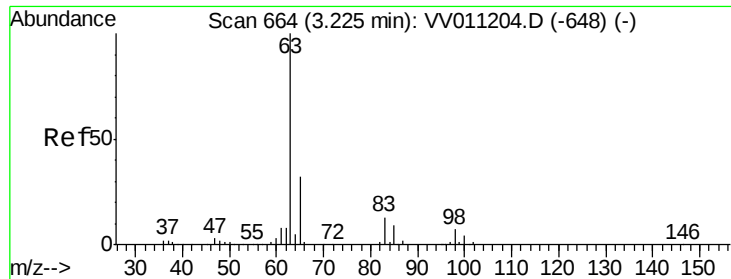
trans-1,2-Dichloroethene
 Concen: 4.520 ug/L
 RT: 2.78 min Scan# 527
 Delta R.T. 0.00 min
 Lab File: VV011208.D
 Acq: 04 Jun 2019 15:51

Tgt Ion: 96 Resp: 68483
 Ion Ratio Lower Upper
 96 100
 61 145.9 104.0 193.2
 98 63.8 45.7 84.9



Abundance Ion 96.00 (95.70 to 96.70): VV0
 80000 Ion 61.05 (60.75 to 61.75): VV0
 Ion 97.95 (97.65 to 98.65): VV0

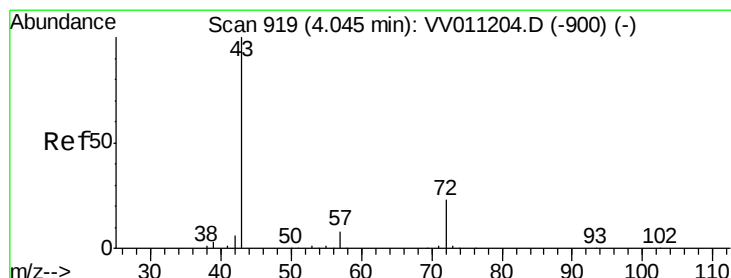
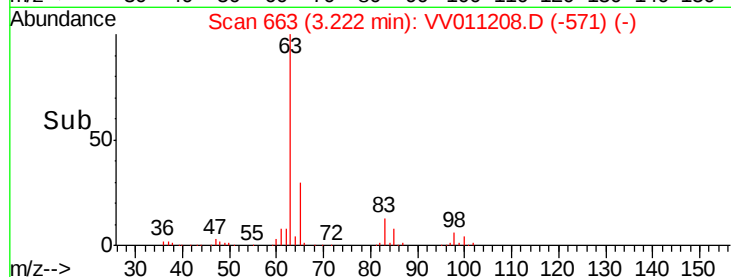
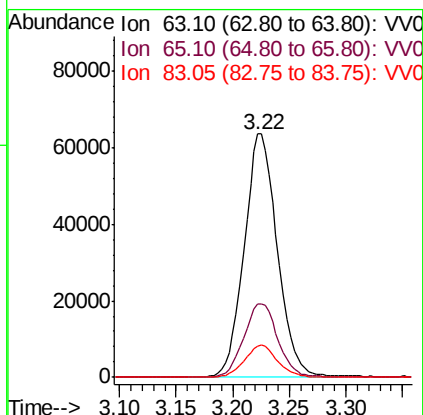
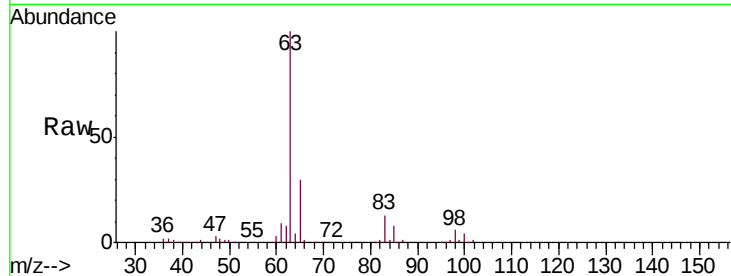




#19
 1,1-Dichloroethane
 Concen: 4.335 ug/L
 RT: 3.22 min Scan# 663
 Delta R.T. -0.00 min
 Lab File: VV011208.D
 Acq: 04 Jun 2019 15:51

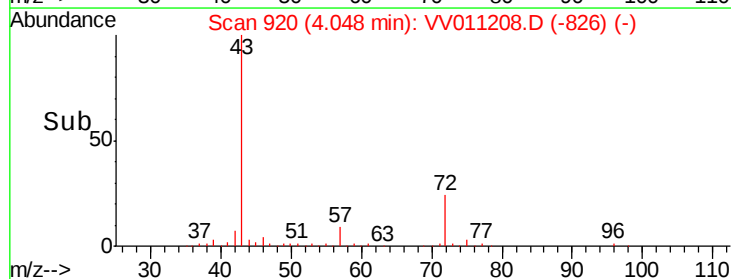
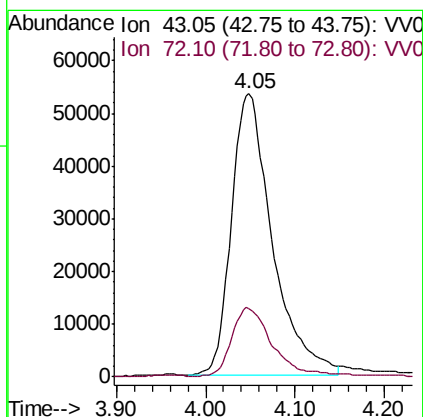
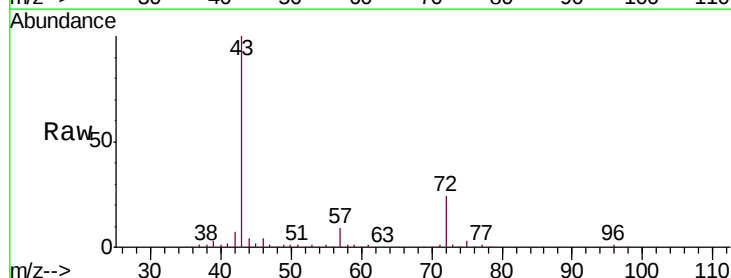
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00557

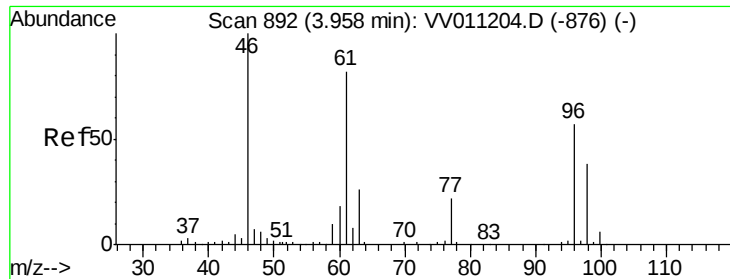
Tgt Ion	Ratio	Lower	Upper
63	100		
65	30.0	22.1	41.1
83	12.7	9.2	17.0



#21
 2-Butanone
 Concen: 44.840 ug/L
 RT: 4.05 min Scan# 920
 Delta R.T. 0.00 min
 Lab File: VV011208.D
 Acq: 04 Jun 2019 15:51

Tgt Ion	Ratio	Lower	Upper
43	100		
72	24.0	12.7	38.1



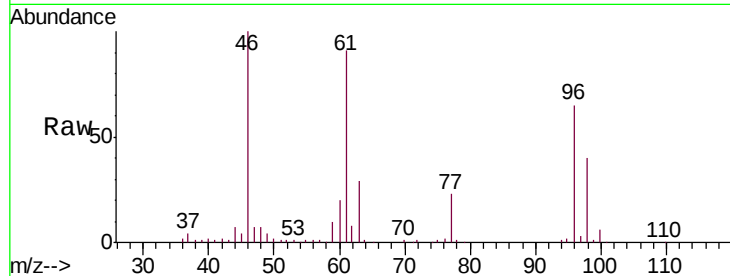


#22

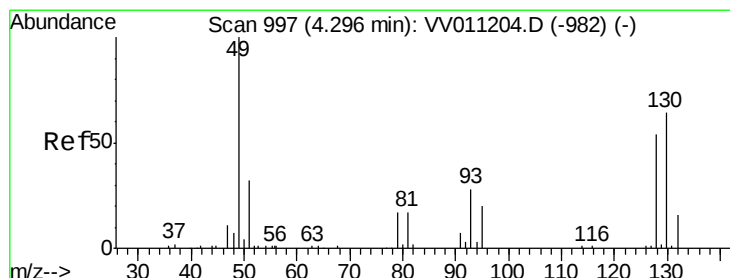
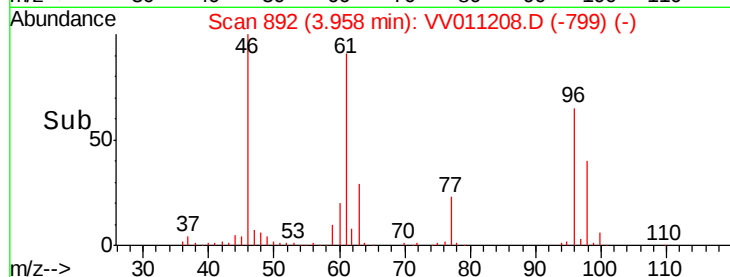
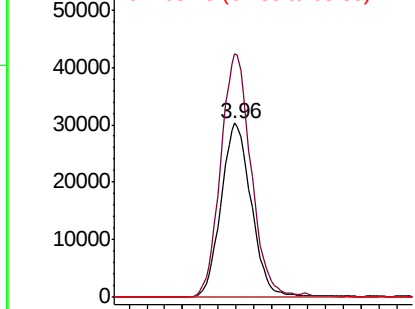
cis-1,2-Dichloroethene
Concen: 4.251 ug/L
RT: 3.96 min Scan# 892
Delta R.T. 0.00 min
Lab File: VV011208.D
Acq: 04 Jun 2019 15:51

Instrument :
MSVOA_V
ClientSampled :
VSTD00557

Tgt Ion: 96 Resp: 71325
Ion Ratio Lower Upper
96 100
61 140.0 100.8 187.2
68 0.0 0.0 0.0



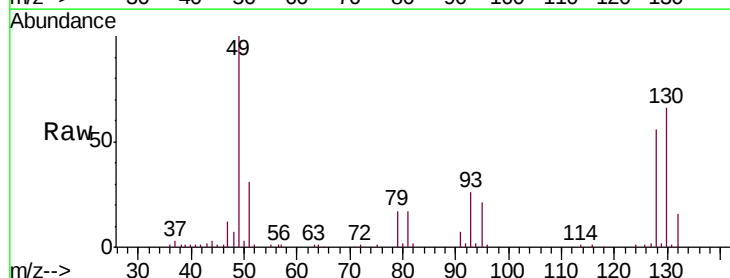
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 68.15 (67.85 to 68.85): VV0



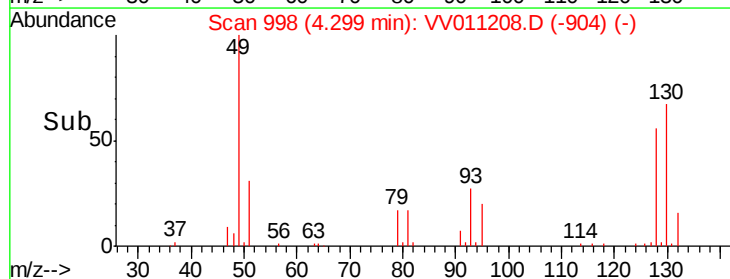
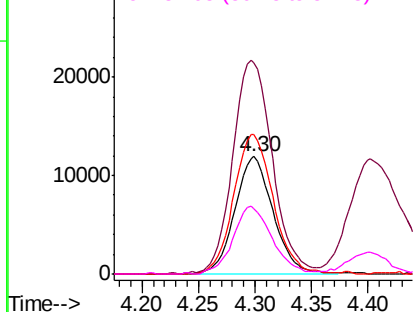
#23

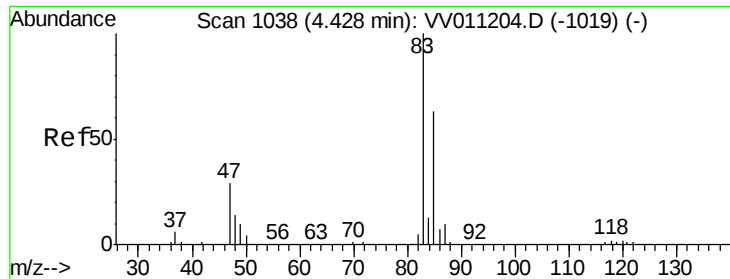
Bromochloromethane
Concen: 4.360 ug/L
RT: 4.30 min Scan# 998
Delta R.T. 0.00 min
Lab File: VV011208.D
Acq: 04 Jun 2019 15:51

Tgt Ion: 128 Resp: 28044
Ion Ratio Lower Upper
128 100
49 179.5 128.9 239.5
130 118.7 82.5 153.1
51 55.6 47.2 70.8



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

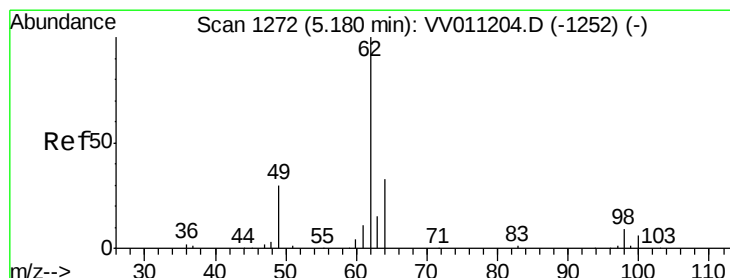
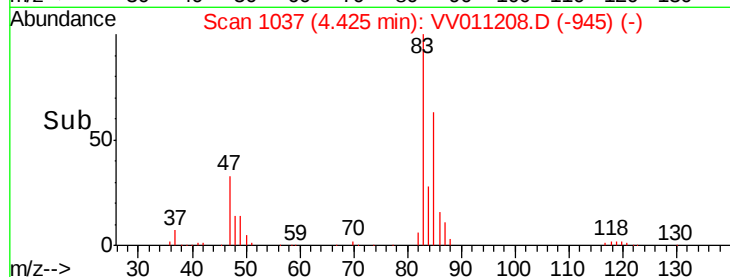
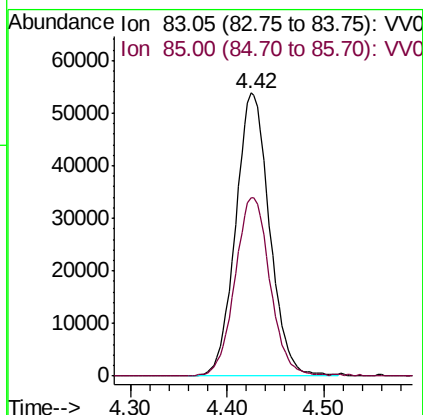
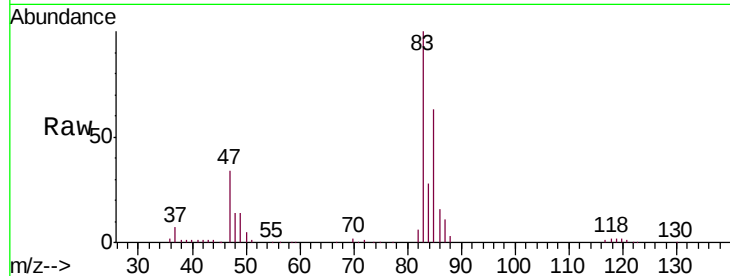




#25
Chloroform
Concen: 4.249 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. -0.00 min
Lab File: VV011208.D
Acq: 04 Jun 2019 15:51

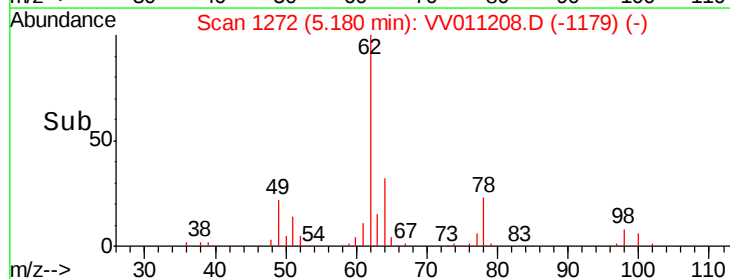
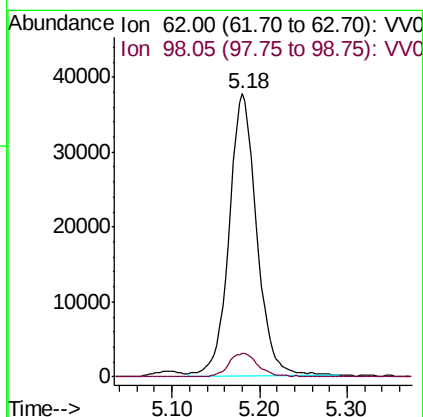
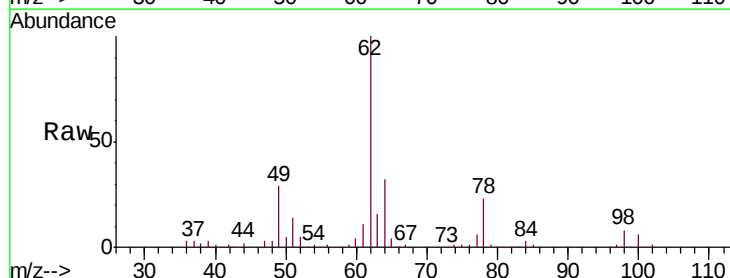
Instrument :
MSVOA_V
ClientSampleId :
VSTD00557

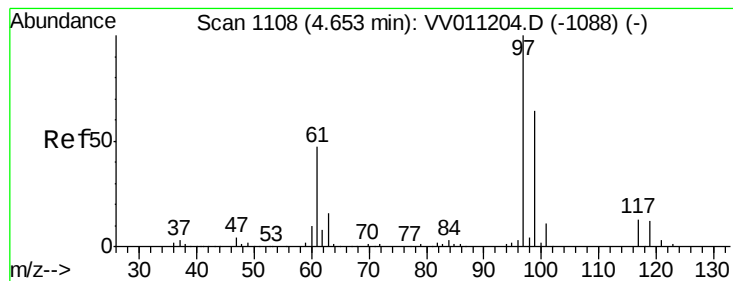
Tgt Ion: 83 Resp: 131147
Ion Ratio Lower Upper
83 100
85 63.1 44.1 81.9



#27
1,2-Dichloroethane
Concen: 4.385 ug/L
RT: 5.18 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VV011208.D
Acq: 04 Jun 2019 15:51

Tgt Ion: 62 Resp: 82692
Ion Ratio Lower Upper
62 100
98 8.2 6.9 10.3





#29

1,1,1-Trichloroethane

Concen: 4.360 ug/L

RT: 4.65 min Scan# 1108

Delta R.T. 0.00 min

Lab File: VV011208.D

Acq: 04 Jun 2019 15:51

Instrument :

MSVOA_V

ClientSampleId :

VSTD00557

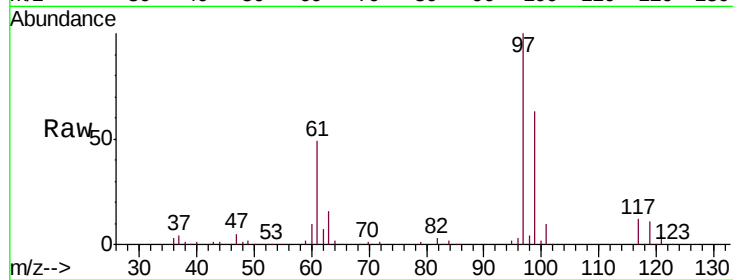
Tgt Ion: 97 Resp: 110802

Ion Ratio Lower Upper

97 100

99 64.0 50.8 76.2

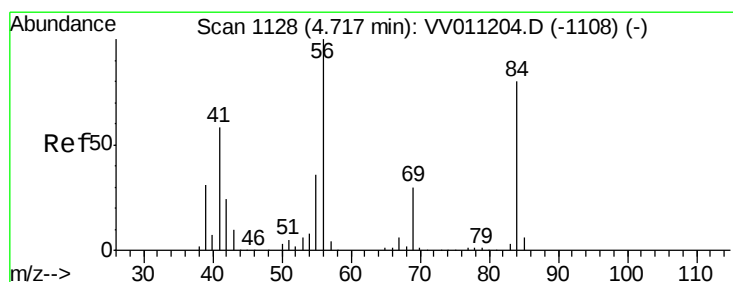
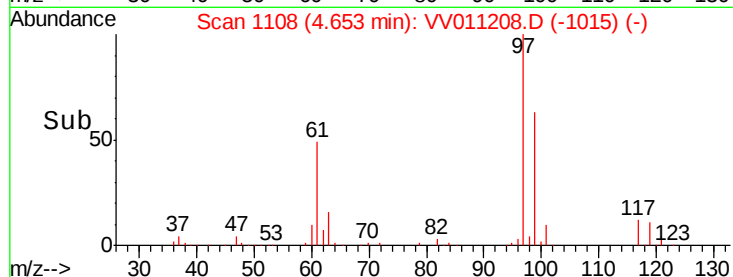
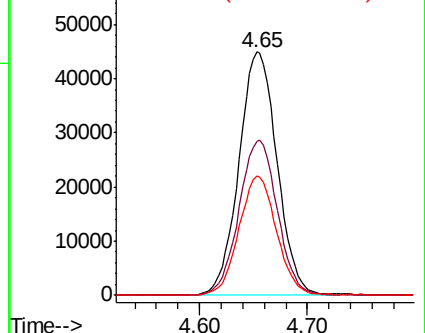
61 48.1 38.9 58.3



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: 4.482 ug/L

RT: 4.72 min Scan# 1128

Delta R.T. 0.00 min

Lab File: VV011208.D

Acq: 04 Jun 2019 15:51

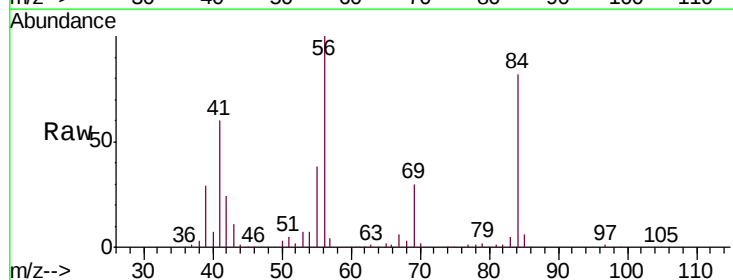
Tgt Ion: 56 Resp: 126293

Ion Ratio Lower Upper

56 100

69 29.1 24.1 36.1

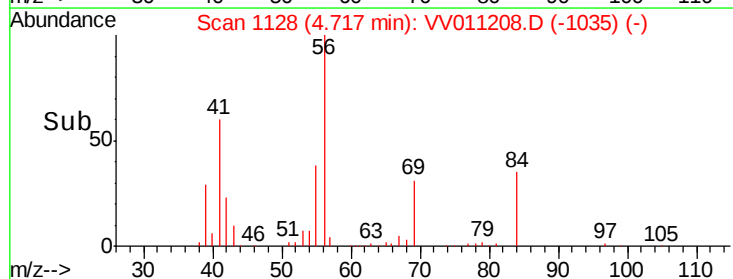
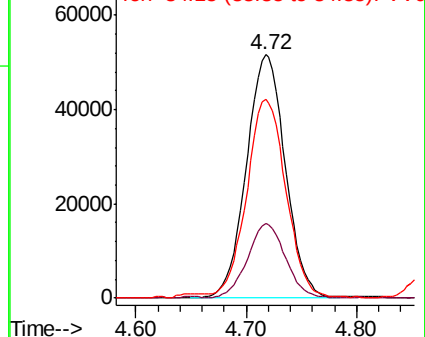
84 83.2 66.4 99.6

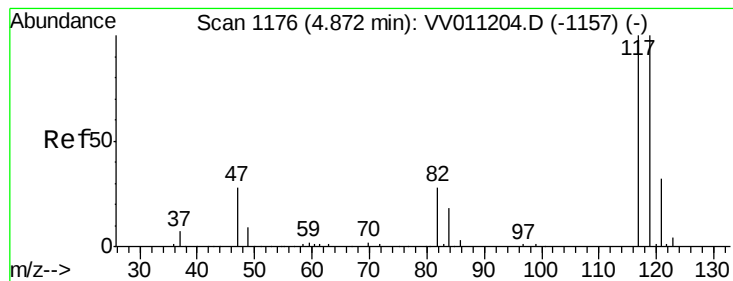


Abundance Ion 56.10 (55.80 to 56.80): VV0

Ion 69.15 (68.85 to 69.85): VV0

Ion 84.15 (83.85 to 84.85): VV0





#31

Carbon tetrachloride

Concen: 4.360 ug/L

RT: 4.87 min Scan# 1176

Delta R.T. 0.00 min

Lab File: VV011208.D

Acq: 04 Jun 2019 15:51

Instrument :

MSVOA_V

ClientSampleId :

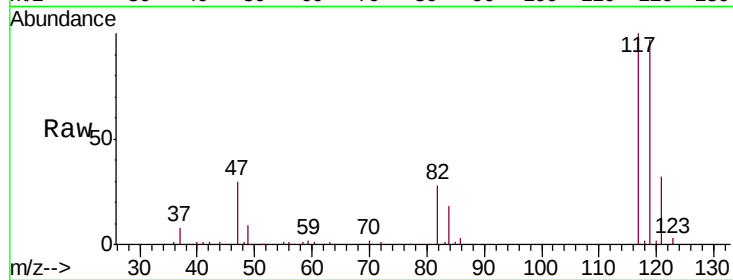
VSTD00557

Tgt Ion:117 Resp: 92606

Ion Ratio Lower Upper

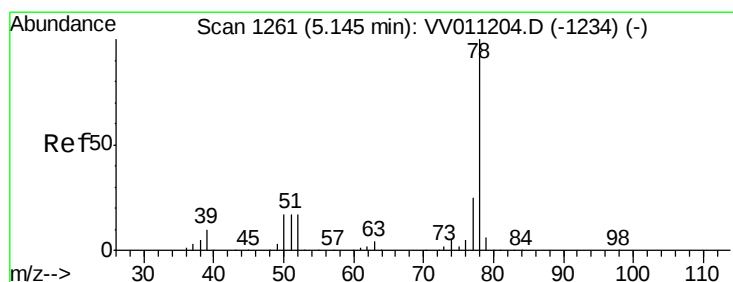
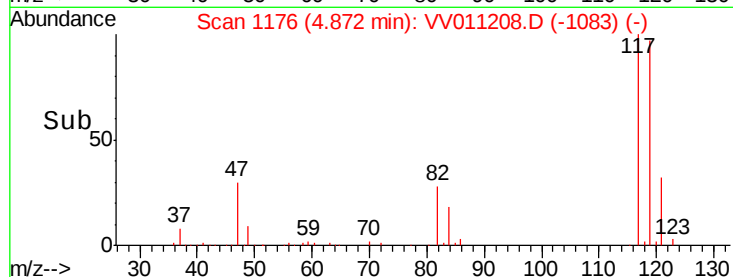
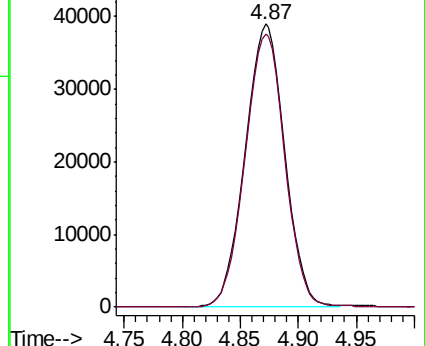
117 100

119 96.7 77.9 116.9



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 4.375 ug/L

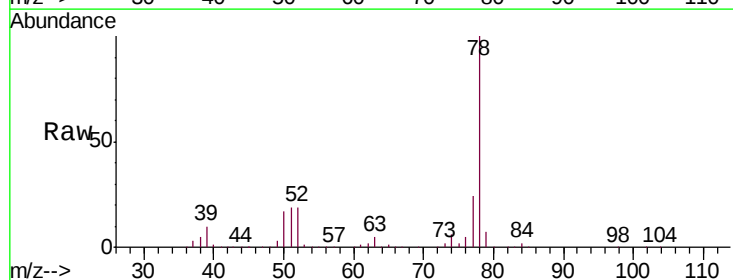
RT: 5.14 min Scan# 1261

Delta R.T. 0.00 min

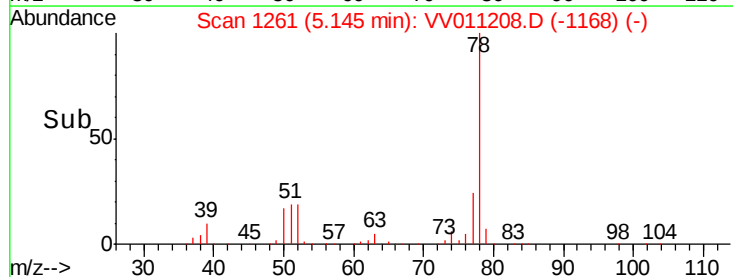
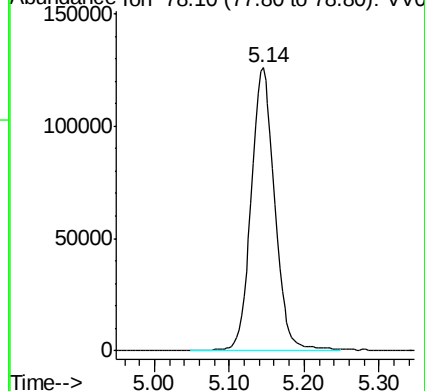
Lab File: VV011208.D

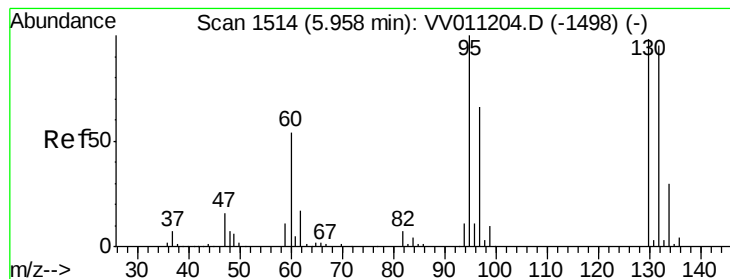
Acq: 04 Jun 2019 15:51

Tgt Ion: 78 Resp: 277357



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 4.473 ug/L

RT: 5.96 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VV011208.D

Acq: 04 Jun 2019 15:51

Instrument :

MSVOA_V

ClientSampleId :

VSTD00557

Tgt Ion: 95 Resp: 73266

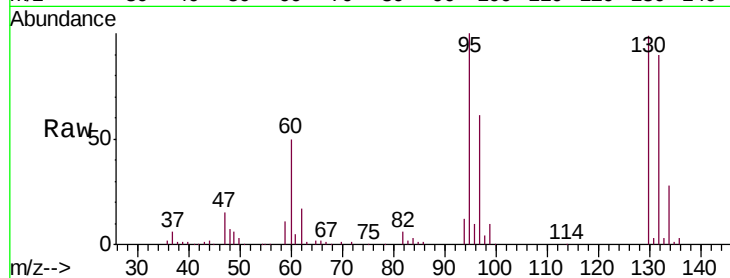
Ion Ratio Lower Upper

95 100

97 61.4 45.8 85.2

132 90.0 66.4 123.2

130 99.2 68.3 126.8

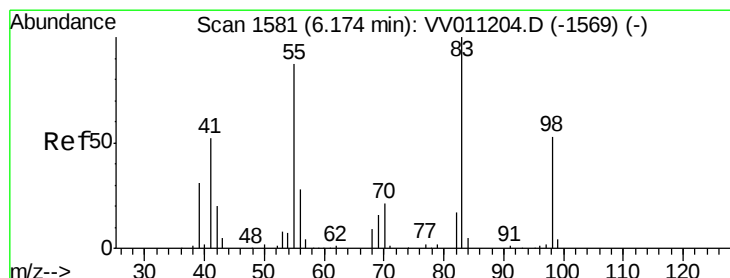
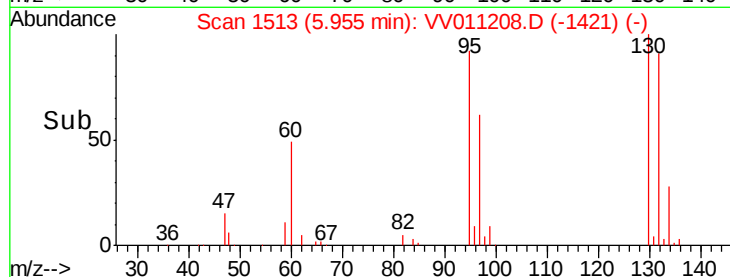
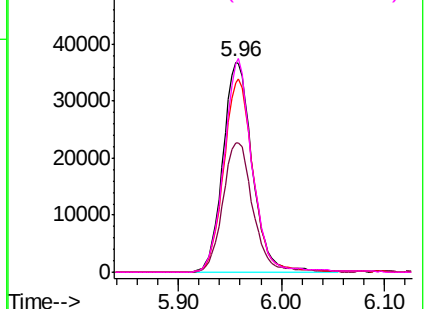


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 4.461 ug/L

RT: 6.17 min Scan# 1580

Delta R.T. -0.00 min

Lab File: VV011208.D

Acq: 04 Jun 2019 15:51

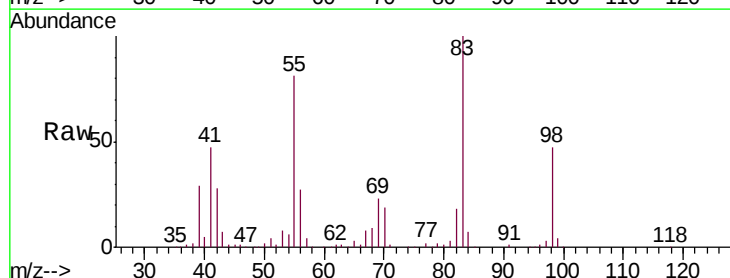
Tgt Ion: 83 Resp: 120839

Ion Ratio Lower Upper

83 100

55 82.4 67.0 100.6

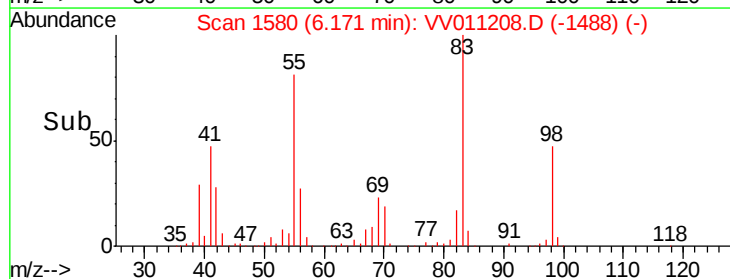
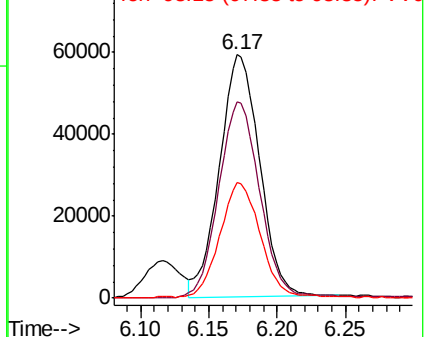
98 47.2 40.0 60.0

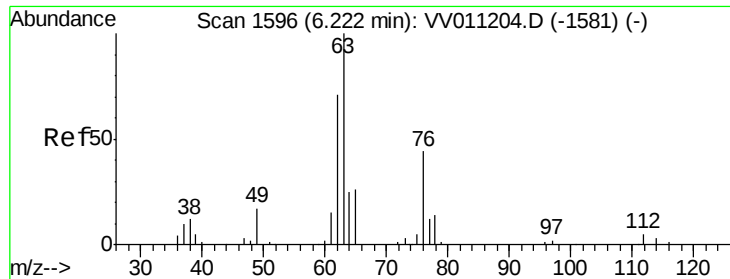


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

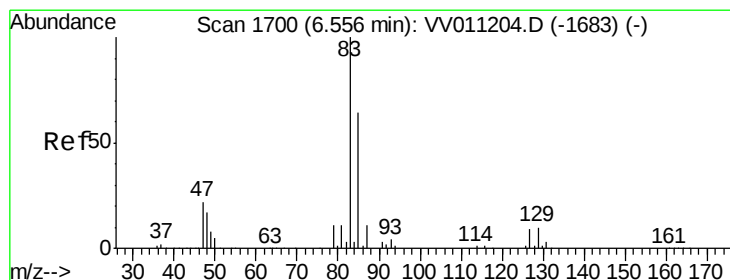
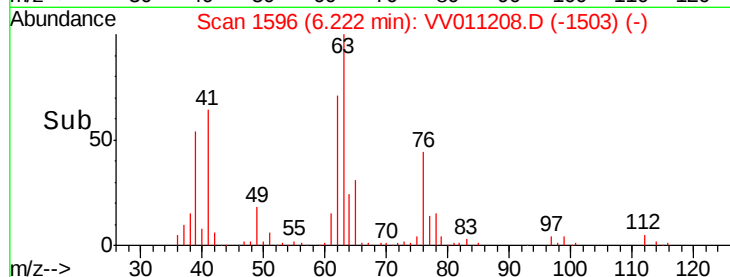
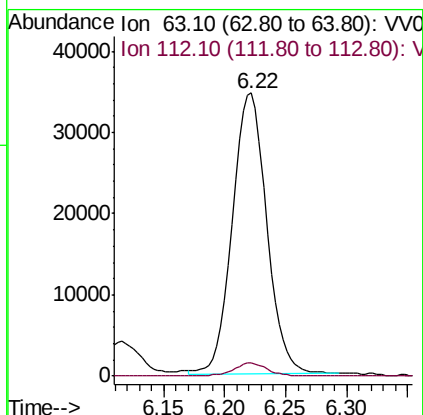
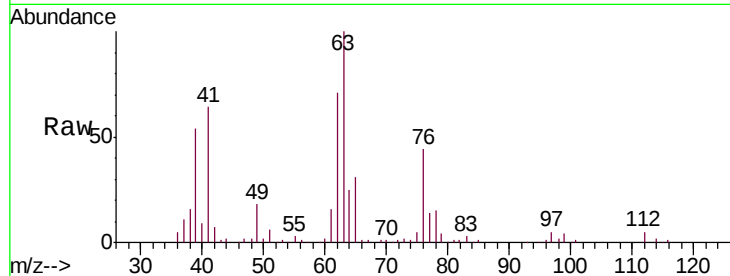




#37
 1,2-Dichloropropane
 Concen: 4.291 ug/L
 RT: 6.22 min Scan# 1596
 Delta R.T. 0.00 min
 Lab File: VV011208.D
 Acq: 04 Jun 2019 15:51

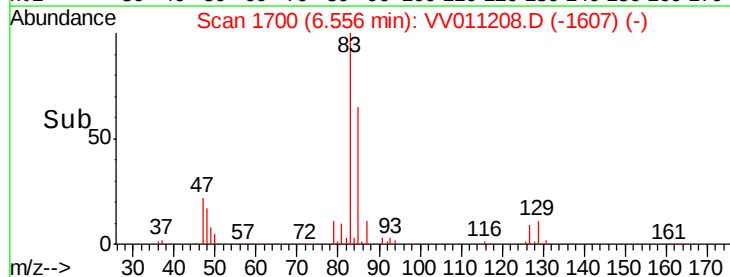
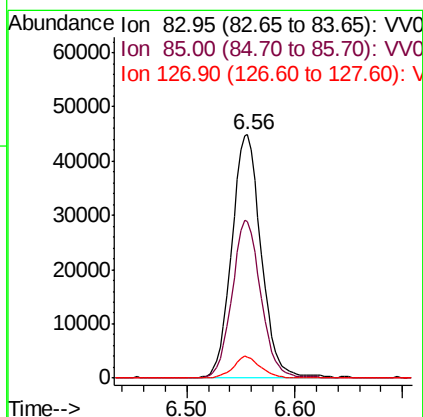
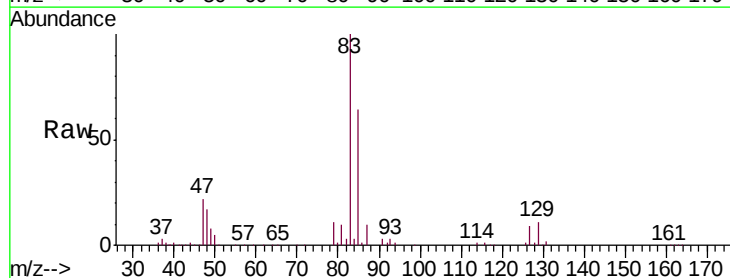
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00557

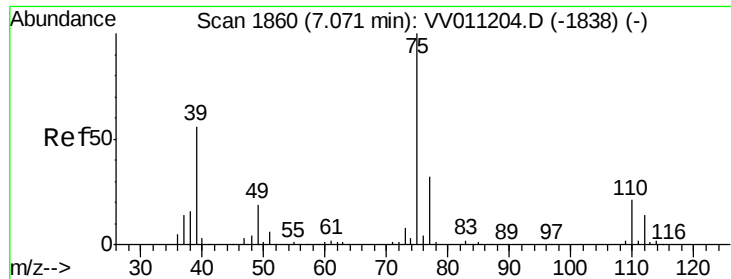
Tgt Ion: 63 Resp: 67714
 Ion Ratio Lower Upper
 63 100
 112 4.7 3.6 5.4



#38
 Bromodichloromethane
 Concen: 4.388 ug/L
 RT: 6.56 min Scan# 1700
 Delta R.T. 0.00 min
 Lab File: VV011208.D
 Acq: 04 Jun 2019 15:51

Tgt Ion: 83 Resp: 85610
 Ion Ratio Lower Upper
 83 100
 85 64.4 44.5 82.7
 127 8.7 7.0 10.4

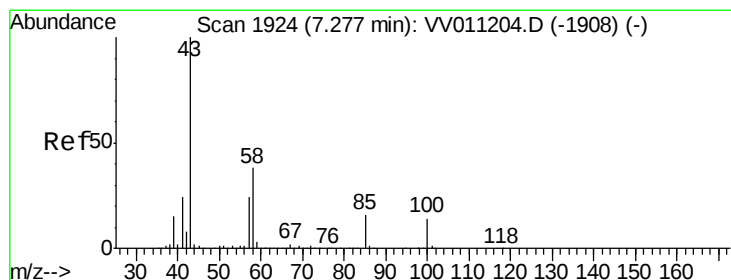
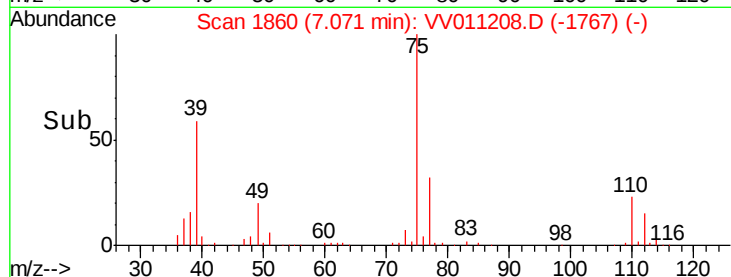
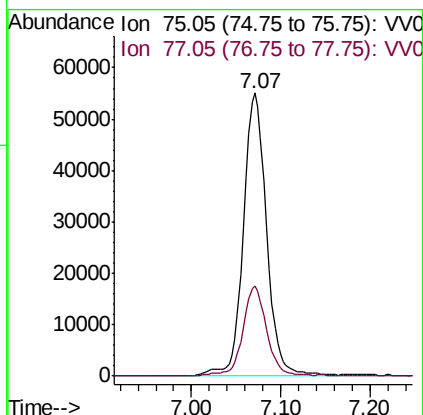
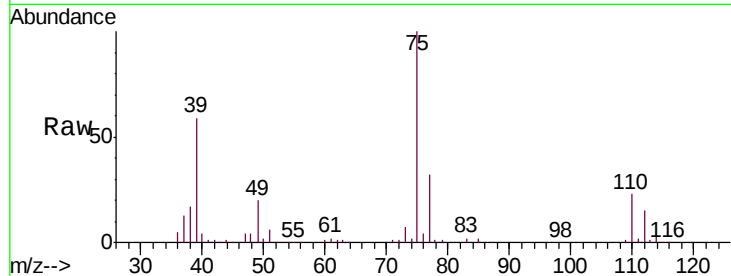




#39
 cis-1,3-Dichloropropene
 Concen: 4.324 ug/L
 RT: 7.07 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VV011208.D
 Acq: 04 Jun 2019 15:51

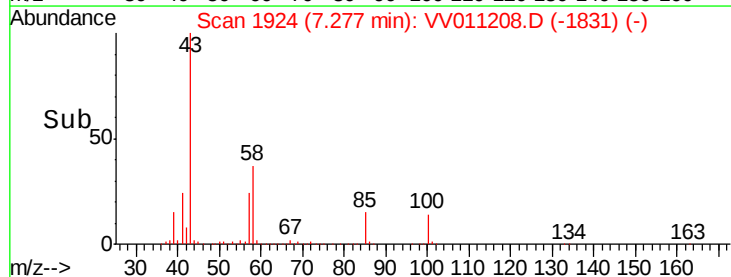
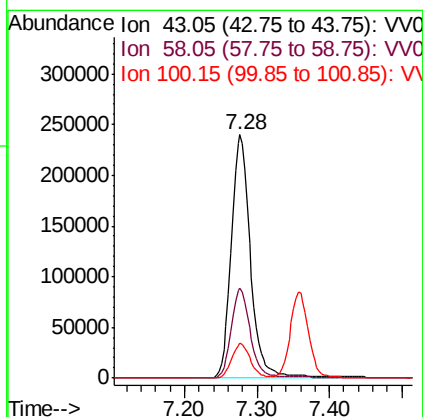
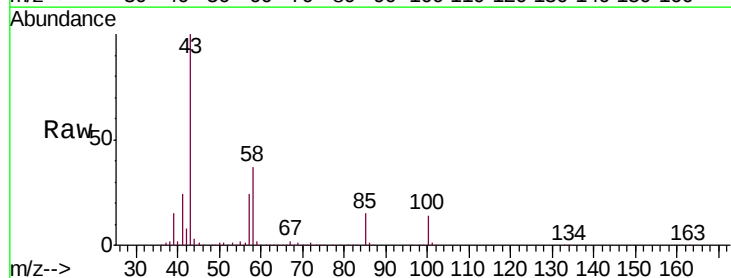
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00557

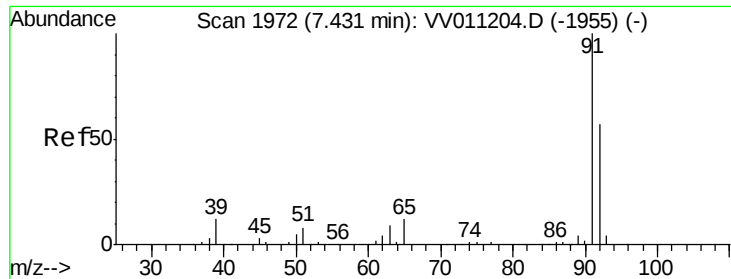
Tgt Ion: 75 Resp: 99830
 Ion Ratio Lower Upper
 75 100
 77 31.7 22.2 41.2



#40
 4-Methyl-2-pentanone
 Concen: 44.130 ug/L
 RT: 7.28 min Scan# 1924
 Delta R.T. 0.00 min
 Lab File: VV011208.D
 Acq: 04 Jun 2019 15:51

Tgt Ion: 43 Resp: 443451
 Ion Ratio Lower Upper
 43 100
 58 36.4 29.3 43.9
 100 13.7 10.6 16.0





#42

Toluene

Concen: 4.395 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV011208.D

Acq: 04 Jun 2019 15:51

Instrument :

MSVOA_V

ClientSampleId :

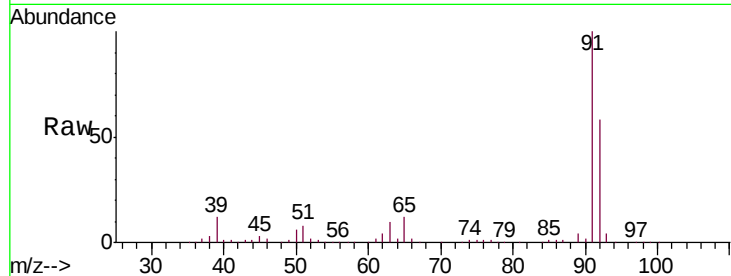
VSTD00557

Tgt Ion: 91 Resp: 296974

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

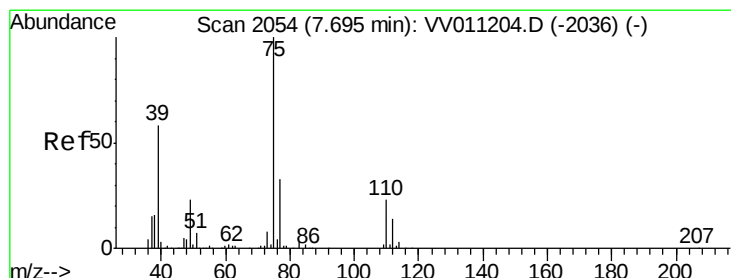
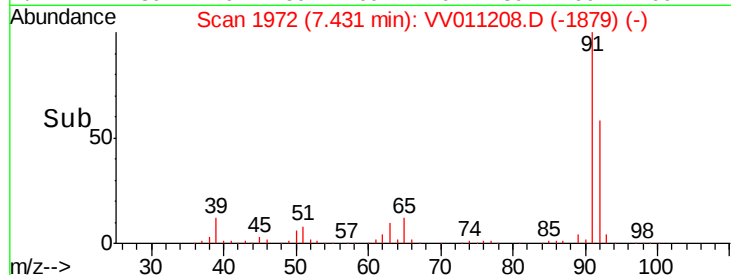
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 4.284 ug/L

RT: 7.69 min Scan# 2054

Delta R.T. 0.00 min

Lab File: VV011208.D

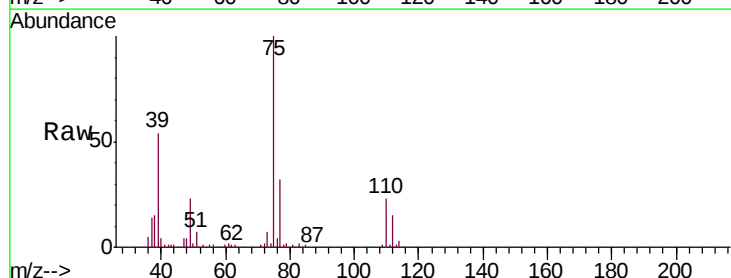
Acq: 04 Jun 2019 15:51

Tgt Ion: 75 Resp: 75186

Ion Ratio Lower Upper

75 100

77 31.5 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

50000

40000

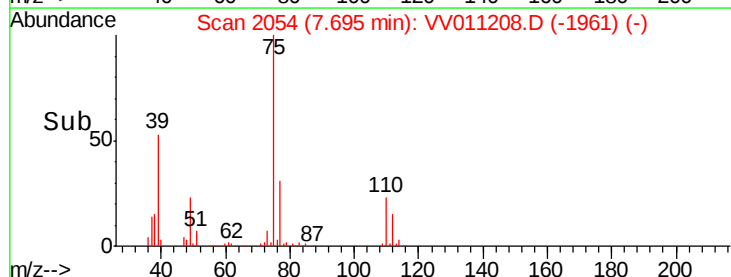
30000

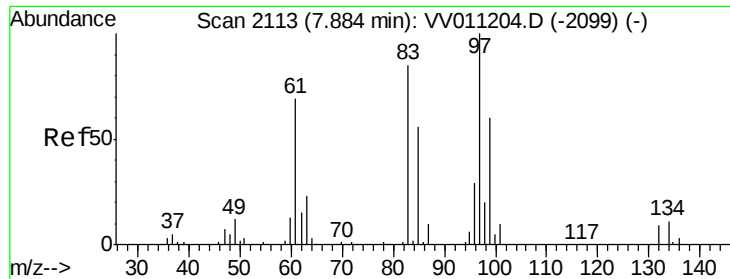
20000

10000

0

Time-->

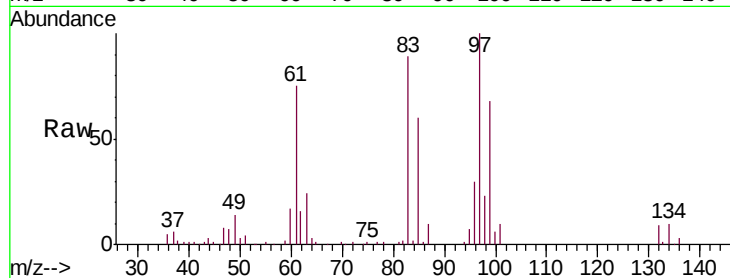




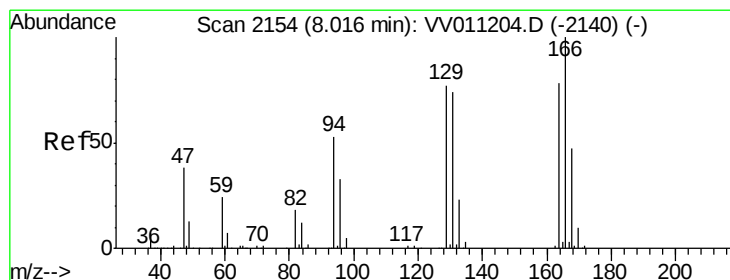
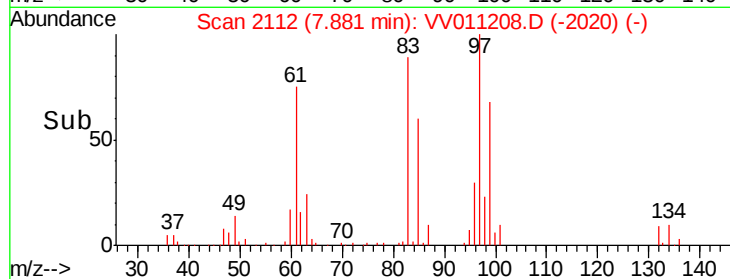
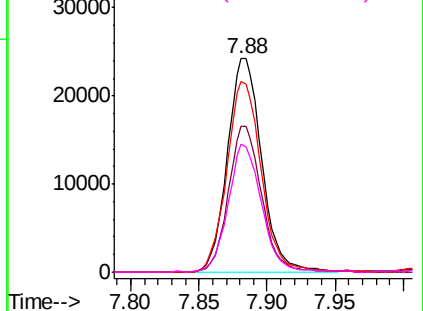
#45
 1,1,2-Trichloroethane
 Concen: 4.202 ug/L
 RT: 7.88 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VV011208.D
 Acq: 04 Jun 2019 15:51

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00557

Tgt Ion:	97	Resp:	42446
Ion	Ratio	Lower	Upper
97	100		
99	68.0	42.1	78.3
83	89.3	59.4	110.2
85	59.9	39.7	73.7

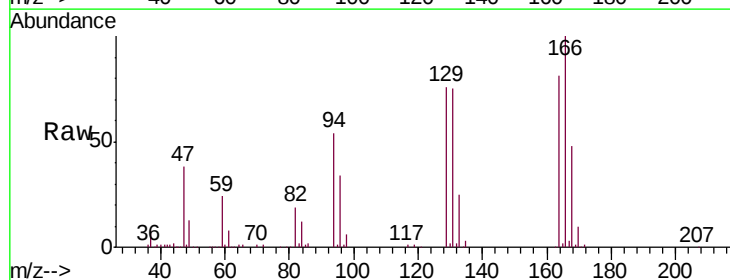


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 82.95 (82.65 to 83.65): VV0
 Ion 85.00 (84.70 to 85.70): VV0

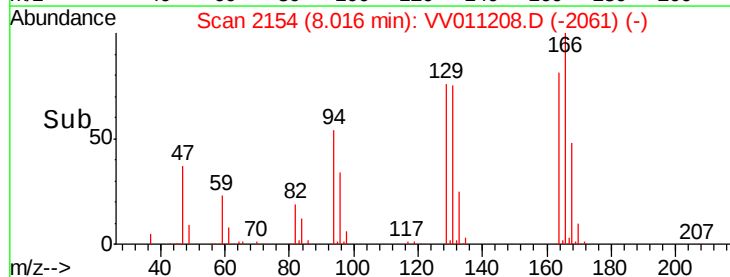
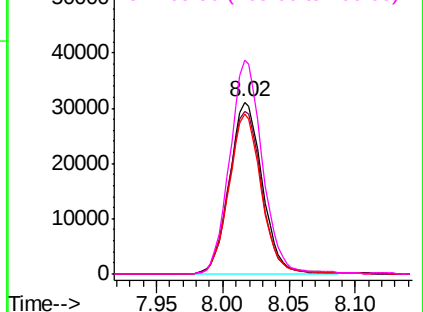


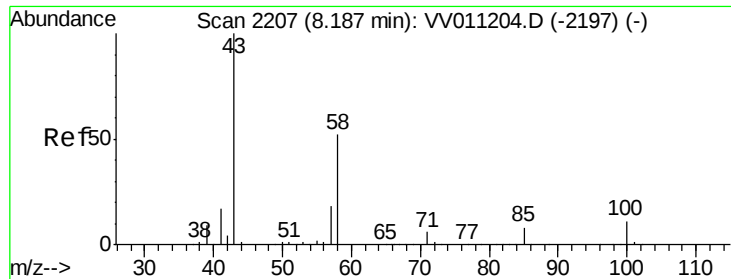
#47
 Tetrachloroethene
 Concen: 4.537 ug/L
 RT: 8.02 min Scan# 2154
 Delta R.T. 0.00 min
 Lab File: VV011208.D
 Acq: 04 Jun 2019 15:51

Tgt Ion:	164	Resp:	53704
Ion	Ratio	Lower	Upper
164	100		
129	94.8	69.9	129.9
131	93.3	66.8	124.2
166	124.1	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

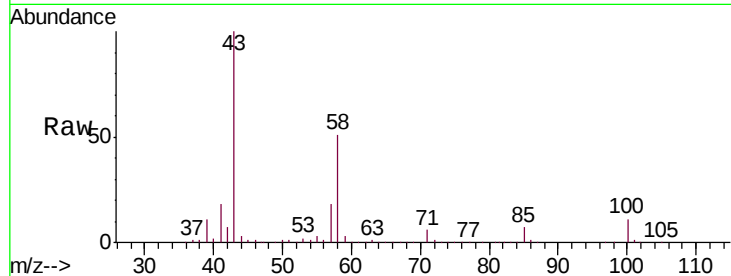




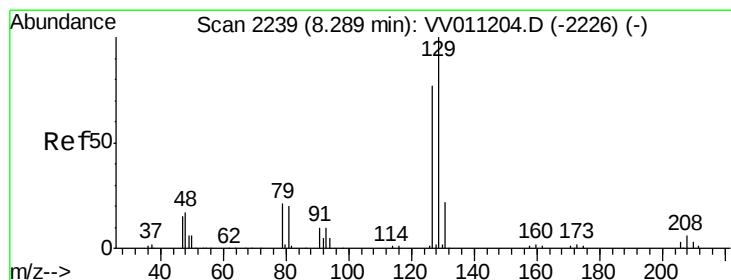
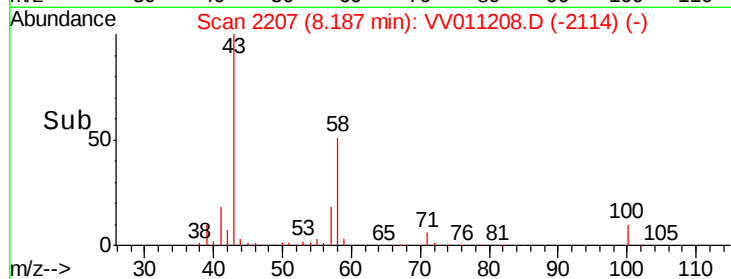
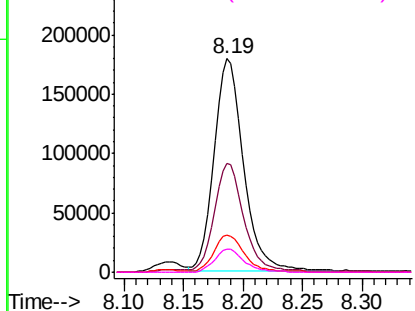
#48
2-Hexanone
Concen: 43.877 ug/L
RT: 8.19 min Scan# 2207
Delta R.T. 0.00 min
Lab File: VV011208.D
Acq: 04 Jun 2019 15:51

Instrument :
MSVOA_V
ClientSampleId :
VSTD00557

Tgt Ion: 43 Resp: 307502
Ion Ratio Lower Upper
43 100
58 51.7 41.4 62.0
57 18.1 15.0 22.4
100 11.0 9.0 13.4

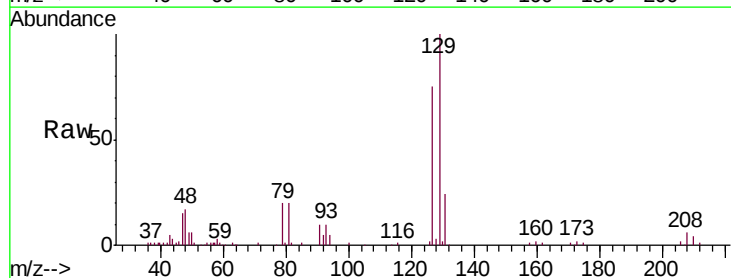


Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0

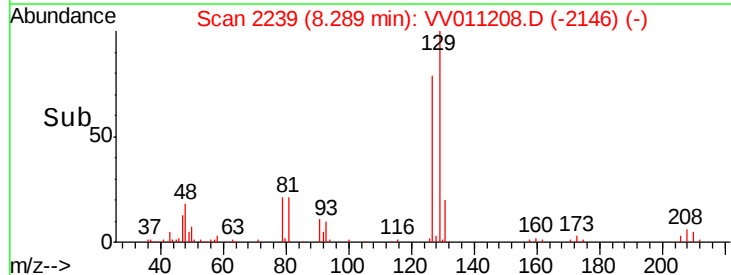
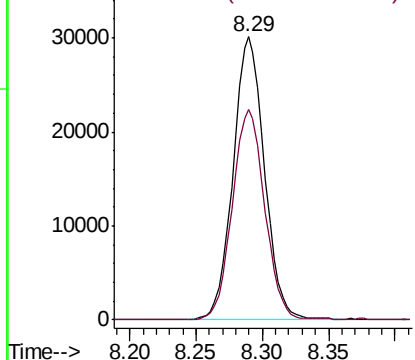


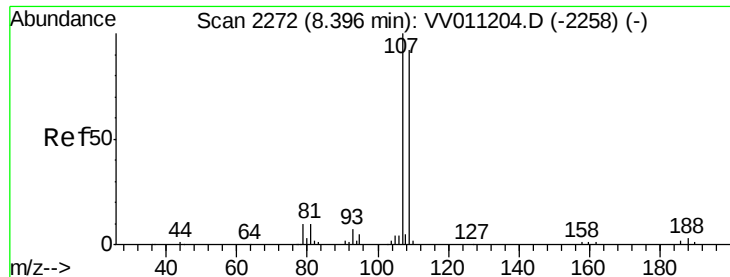
#49
Dibromochloromethane
Concen: 4.310 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VV011208.D
Acq: 04 Jun 2019 15:51

Tgt Ion: 129 Resp: 49453
Ion Ratio Lower Upper
129 100
127 74.5 53.7 99.7



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

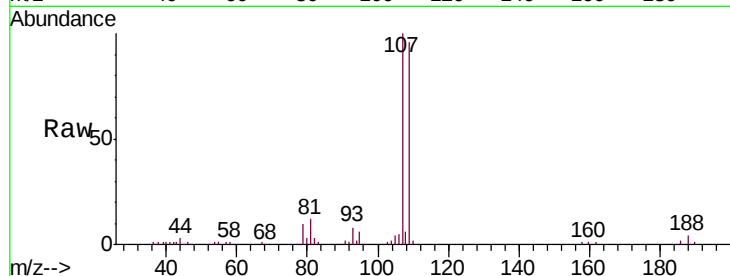




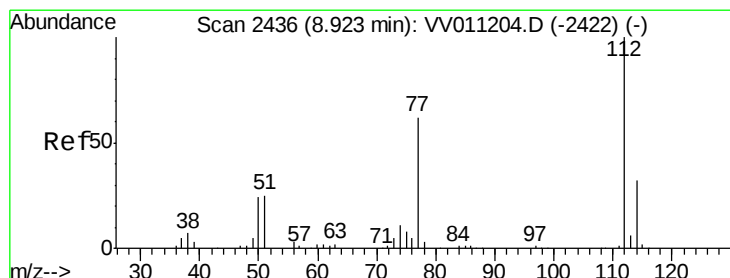
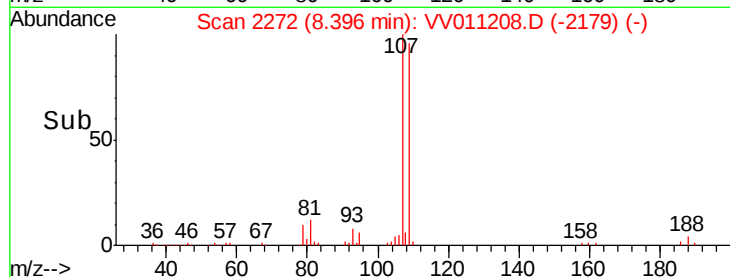
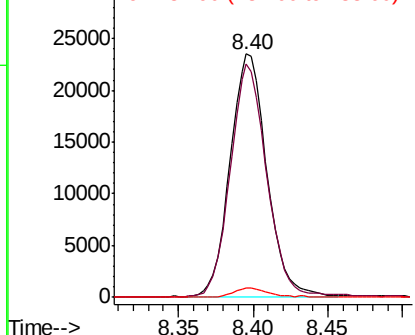
#50
1,2-Dibromoethane
Concen: 4.203 ug/L
RT: 8.40 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VV011208.D
Acq: 04 Jun 2019 15:51

Instrument :
MSVOA_V
ClientSampleId :
VSTD00557

Tgt Ion:107 Resp: 40353
Ion Ratio Lower Upper
107 100
109 96.1 64.5 119.9
188 3.6 2.7 4.1

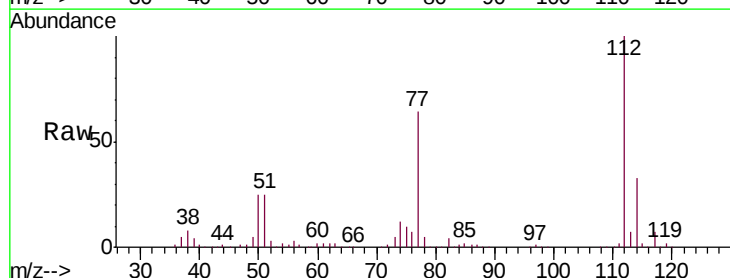


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

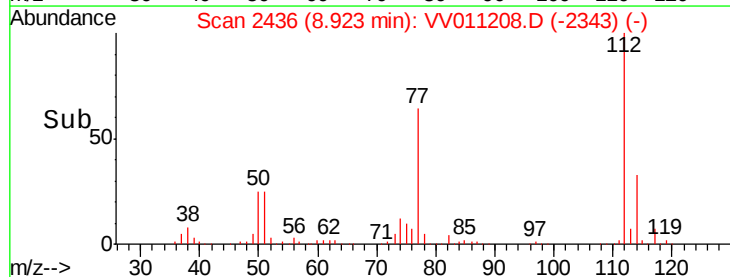
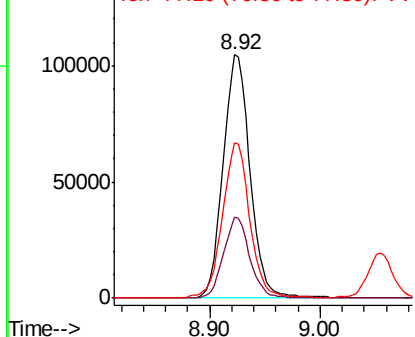


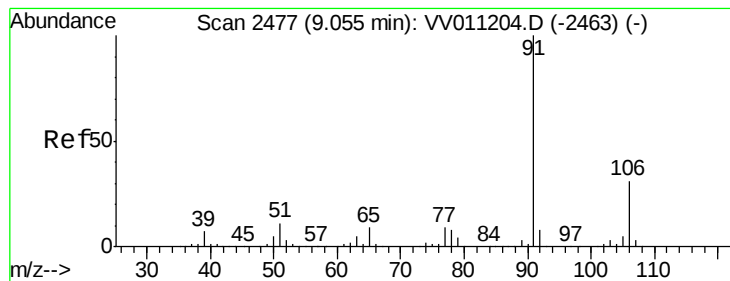
#51
Chlorobenzene
Concen: 4.310 ug/L
RT: 8.92 min Scan# 2436
Delta R.T. 0.00 min
Lab File: VV011208.D
Acq: 04 Jun 2019 15:51

Tgt Ion:112 Resp: 177610
Ion Ratio Lower Upper
112 100
114 33.1 22.6 42.0
77 63.7 50.1 75.1



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





#52

Ethylbenzene

Concen: 4.426 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. 0.00 min

Lab File: VV011208.D

Acq: 04 Jun 2019 15:51

Instrument :

MSVOA_V

ClientSampleId :

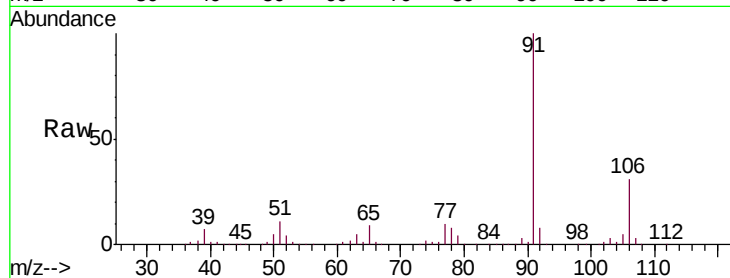
VSTD00557

Tgt Ion: 91 Resp: 332119

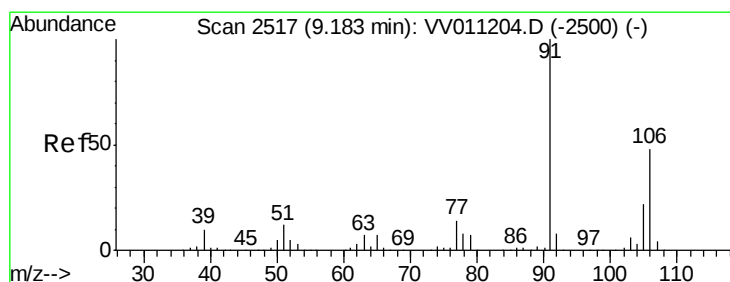
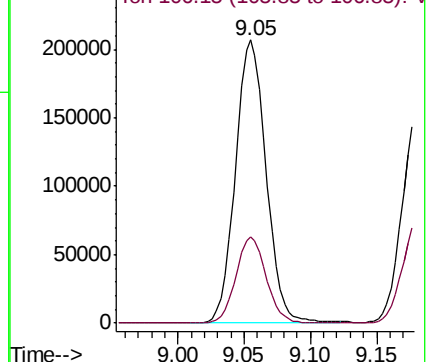
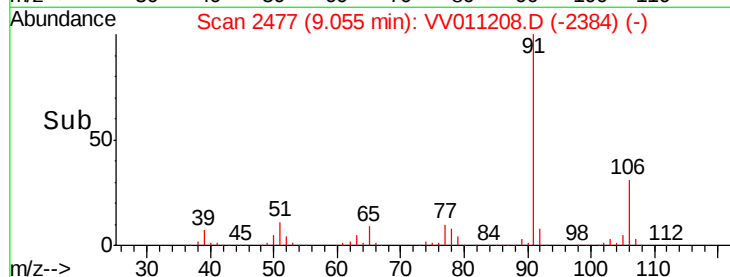
Ion Ratio Lower Upper

91 100

106 30.6 21.5 39.9



Abundance Ion 91.15 (90.85 to 91.85): VV011208.D (-2384) (-)



#53

m,p-xylene

Concen: 4.479 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. -0.00 min

Lab File: VV011208.D

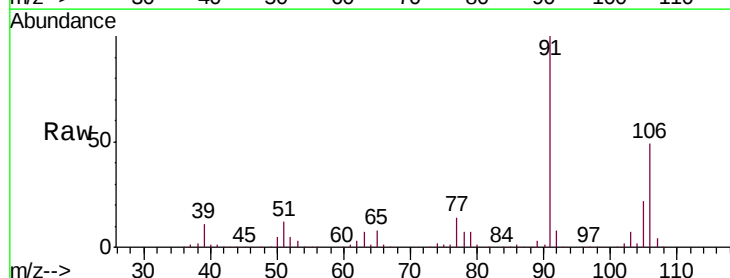
Acq: 04 Jun 2019 15:51

Tgt Ion: 106 Resp: 124290

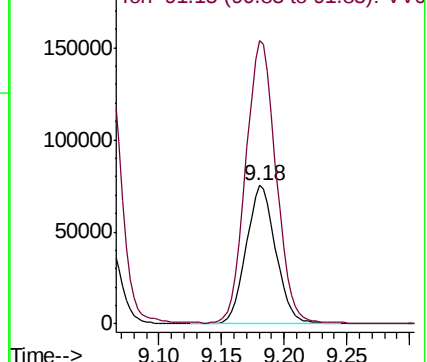
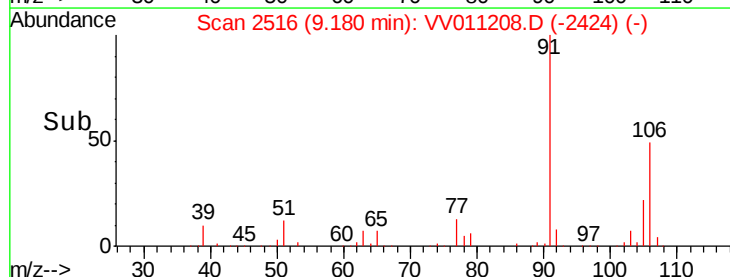
Ion Ratio Lower Upper

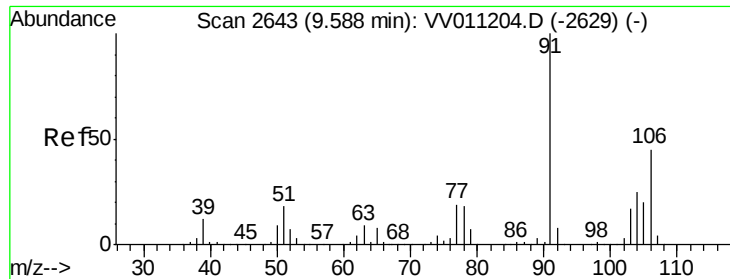
106 100

91 204.5 145.5 270.3



Abundance Ion 106.15 (105.85 to 106.85): VV011208.D (-2424) (-)

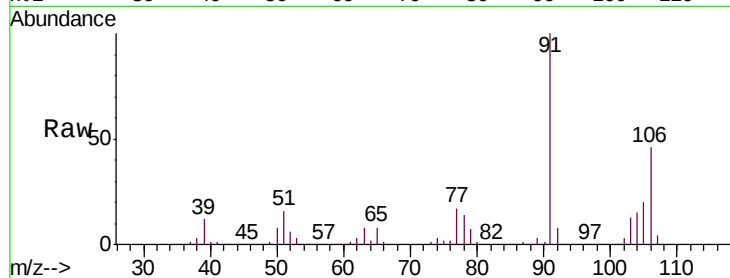




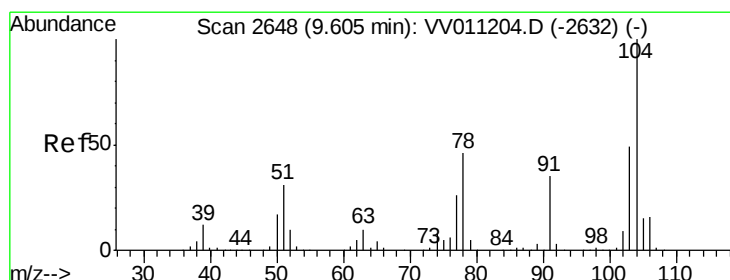
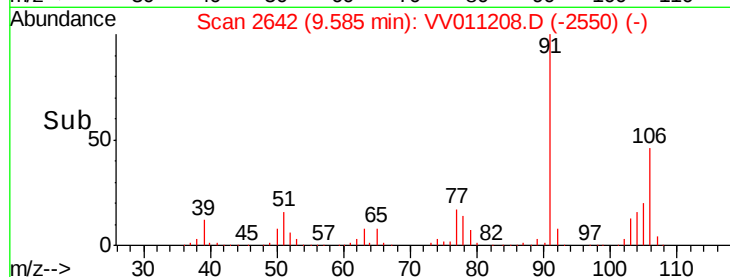
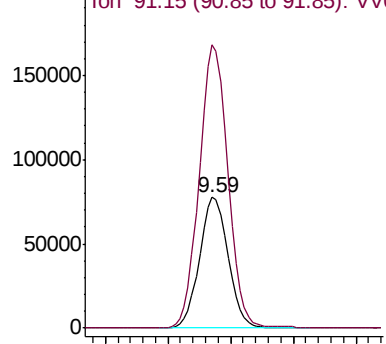
#54
o-xylene
Concen: 4.518 ug/L
RT: 9.59 min Scan# 2642
Delta R.T. -0.00 min
Lab File: VV011208.D
Acq: 04 Jun 2019 15:51

Instrument :
MSVOA_V
ClientSampleId :
VSTD00557

Tgt Ion:106 Resp: 123038
Ion Ratio Lower Upper
106 100
91 216.1 155.4 288.6

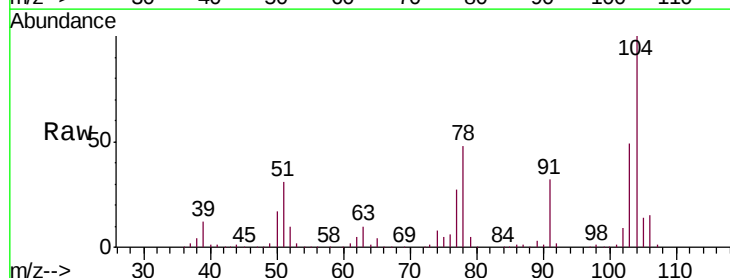


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VV0

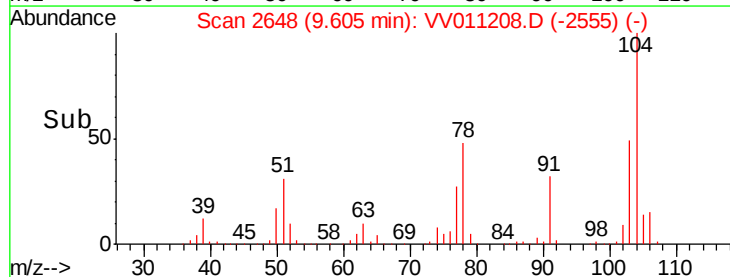
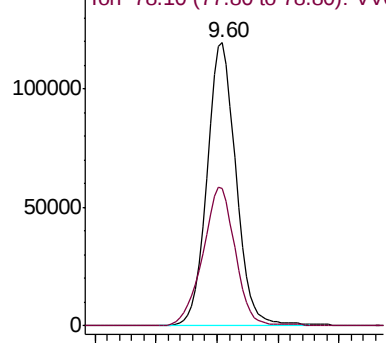


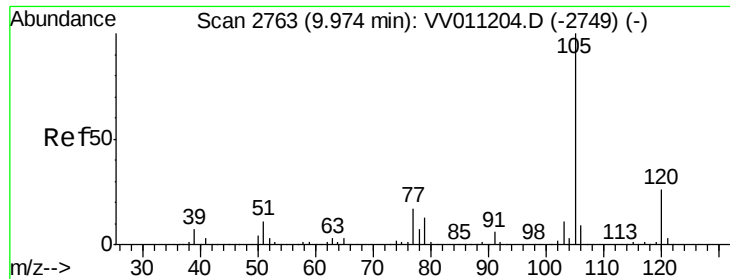
#55
Styrene
Concen: 4.435 ug/L
RT: 9.60 min Scan# 2648
Delta R.T. 0.00 min
Lab File: VV011208.D
Acq: 04 Jun 2019 15:51

Tgt Ion:104 Resp: 196720
Ion Ratio Lower Upper
104 100
78 48.5 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: 4.429 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. 0.00 min

Lab File: VV011208.D

Acq: 04 Jun 2019 15:51

Instrument :

MSVOA_V

ClientSampleId :

VSTD00557

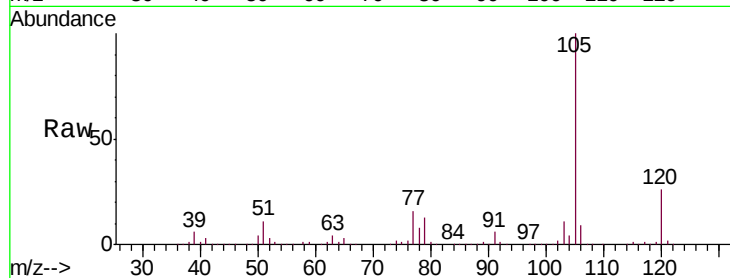
Tgt Ion: 105 Resp: 324623

Ion Ratio Lower Upper

105 100

120 25.9 20.9 31.3

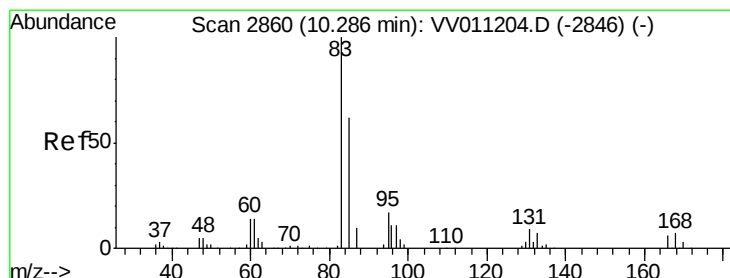
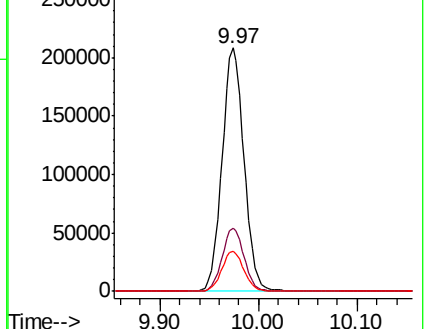
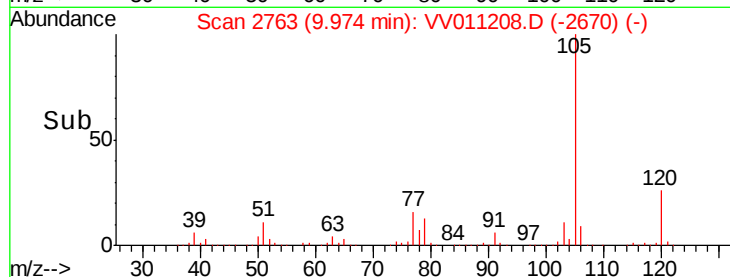
77 16.5 13.8 20.6



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: 4.274 ug/L

RT: 10.29 min Scan# 2860

Delta R.T. 0.00 min

Lab File: VV011208.D

Acq: 04 Jun 2019 15:51

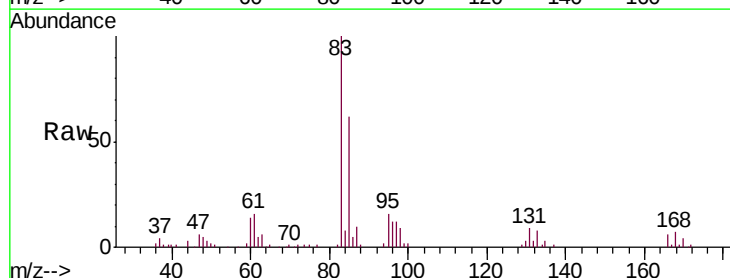
Tgt Ion: 83 Resp: 52336

Ion Ratio Lower Upper

83 100

85 62.2 43.5 80.9

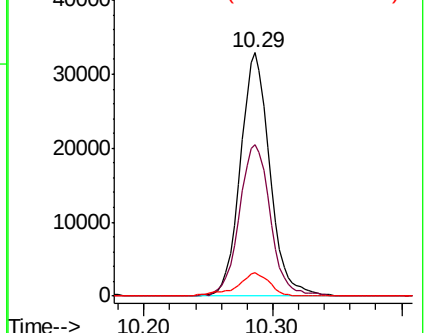
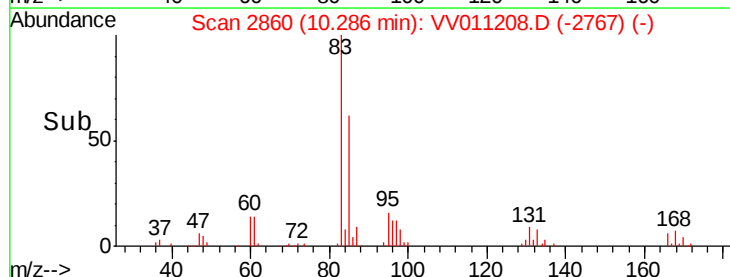
131 9.4 7.5 11.3

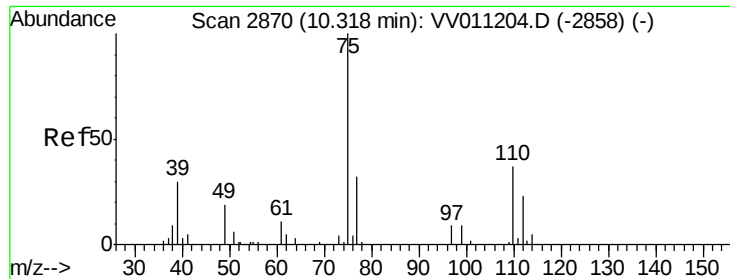


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 4.102 ug/L

RT: 10.32 min Scan# 2870

Delta R.T. 0.00 min

Lab File: VV011208.D

Acq: 04 Jun 2019 15:51

Instrument :

MSVOA_V

ClientSampleId :

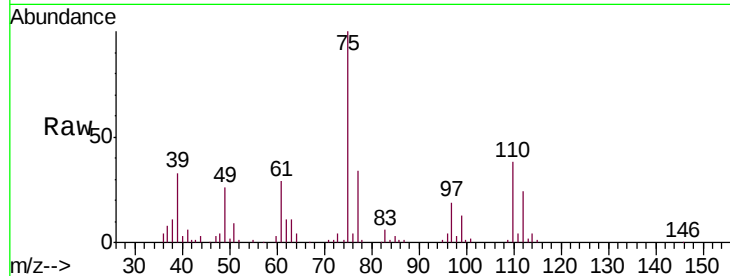
VSTD00557

Tgt Ion: 75 Resp: 37753

Ion Ratio Lower Upper

75 100

77 33.6 26.7 40.1

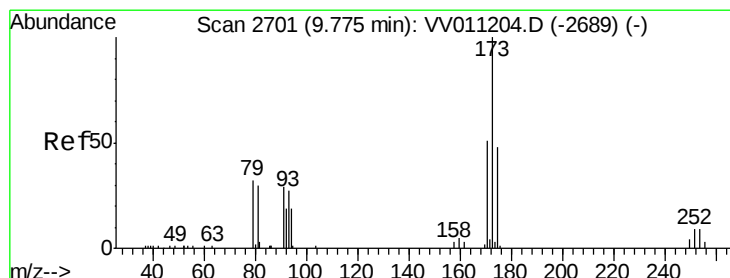
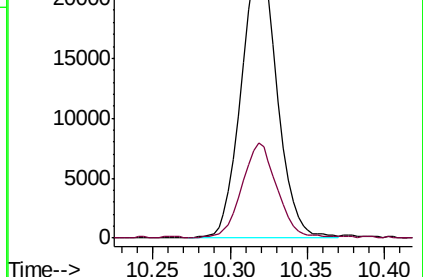
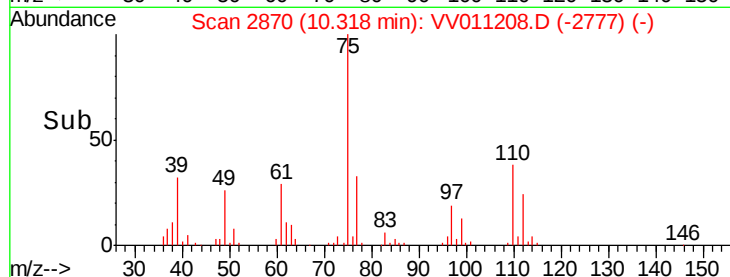


Abundance Ion 75.00 (74.70 to 75.70): VV011204.D (-2858) (-)

Ion 77.00 (76.70 to 77.70): VV011204.D (-2858) (-)

10.32

Time-->



#61

Bromoform

Concen: 4.305 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. 0.00 min

Lab File: VV011208.D

Acq: 04 Jun 2019 15:51

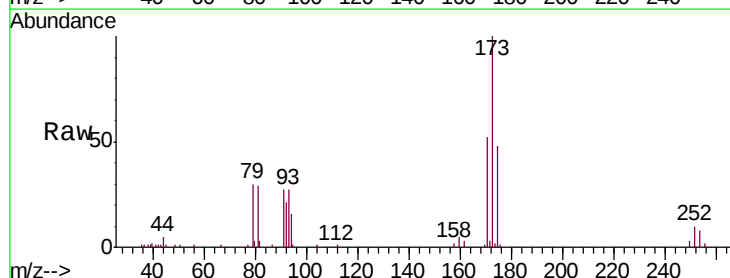
Tgt Ion: 173 Resp: 23488

Ion Ratio Lower Upper

173 100

175 48.6 37.0 55.4

254 8.2 6.9 10.3



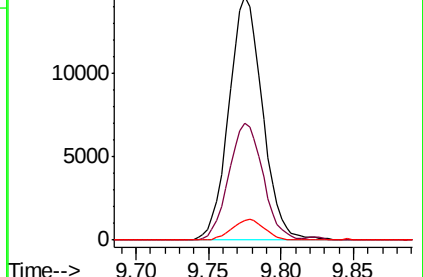
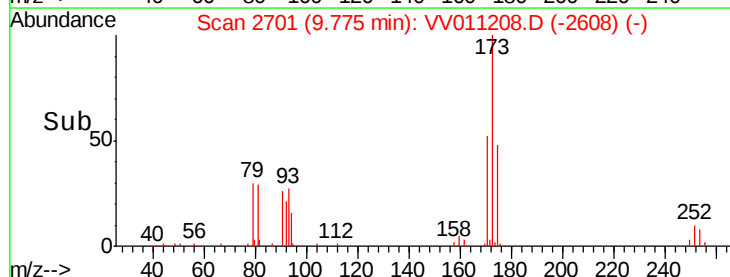
Abundance Ion 172.90 (172.60 to 173.60): VV011204.D (-2689) (-)

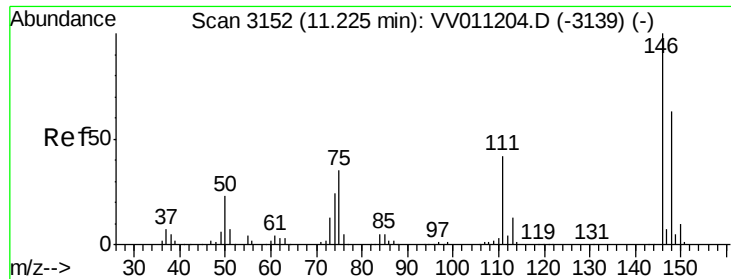
Ion 174.90 (174.60 to 175.60): VV011204.D (-2689) (-)

Ion 253.75 (253.45 to 254.45): VV011204.D (-2689) (-)

9.77

Time-->





#62

1,3-Dichlorobenzene

Concen: 4.415 ug/L

RT: 11.23 min Scan# 3152

Delta R.T. 0.00 min

Lab File: VV011208.D

Acq: 04 Jun 2019 15:51

Instrument :

MSVOA_V

ClientSampleId :

VSTD00557

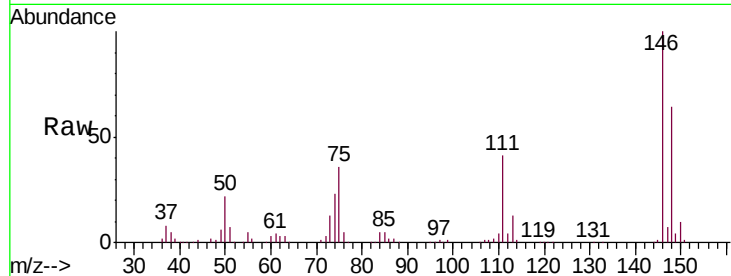
Tgt Ion:146 Resp: 132617

Ion Ratio Lower Upper

146 100

111 41.3 29.0 53.9

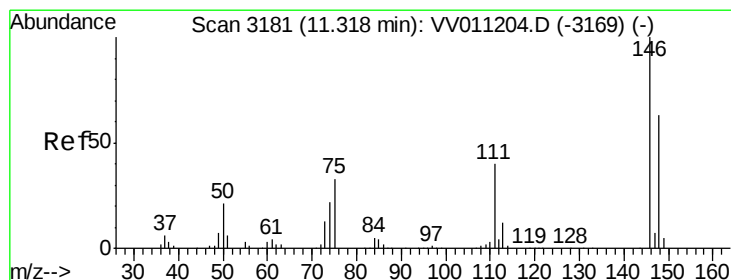
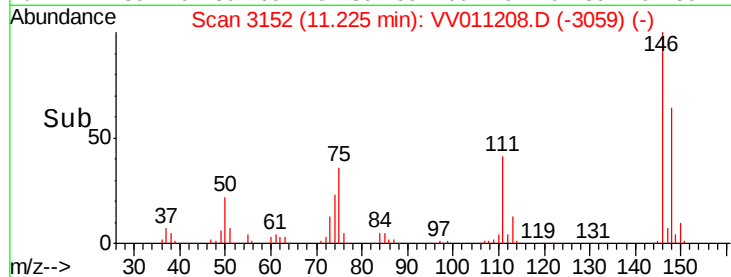
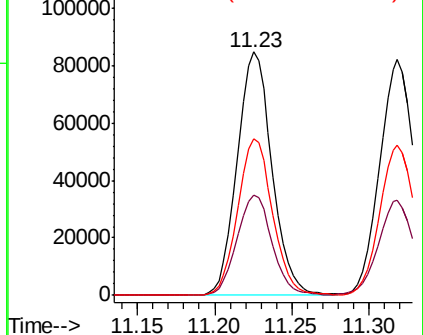
148 64.5 44.0 81.8



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 4.500 ug/L

RT: 11.32 min Scan# 3181

Delta R.T. 0.00 min

Lab File: VV011208.D

Acq: 04 Jun 2019 15:51

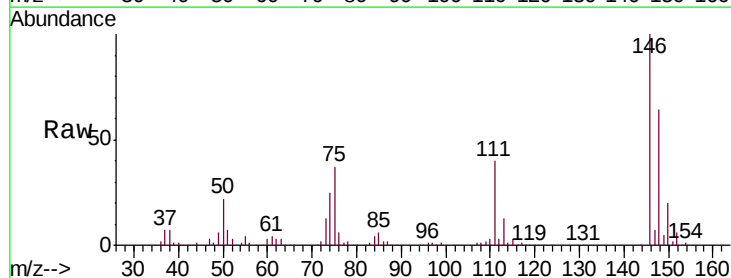
Tgt Ion:146 Resp: 131211

Ion Ratio Lower Upper

146 100

111 40.4 28.3 52.5

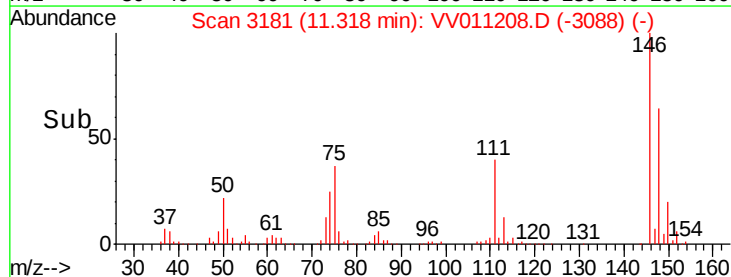
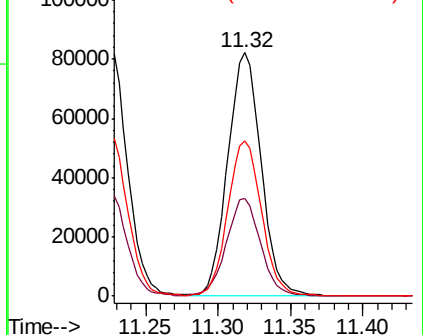
148 63.7 44.6 82.8

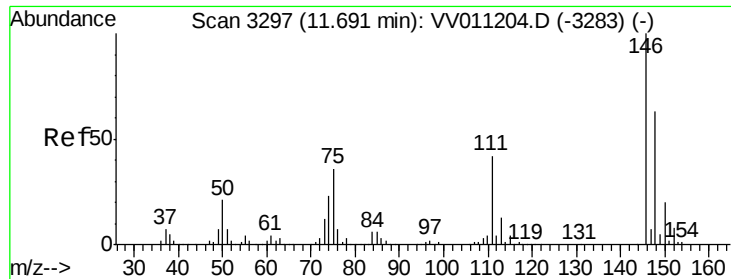


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 4.385 ug/L

RT: 11.69 min Scan# 3297

Delta R.T. 0.00 min

Lab File: VV011208.D

Acq: 04 Jun 2019 15:51

Instrument :

MSVOA_V

ClientSampled :

VSTD00557

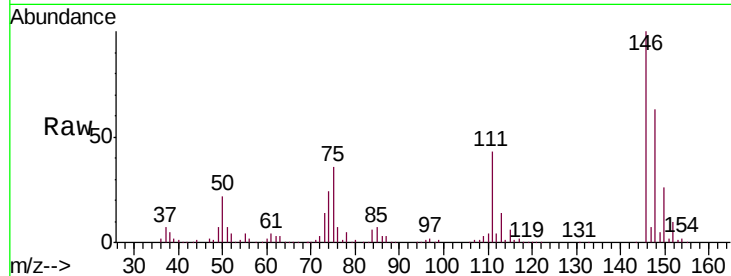
Tgt Ion:146 Resp: 121725

Ion Ratio Lower Upper

146 100

111 42.6 33.9 50.9

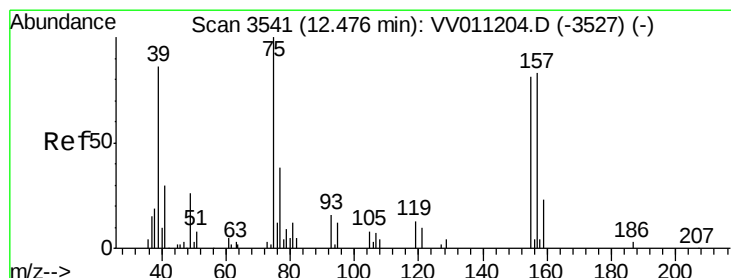
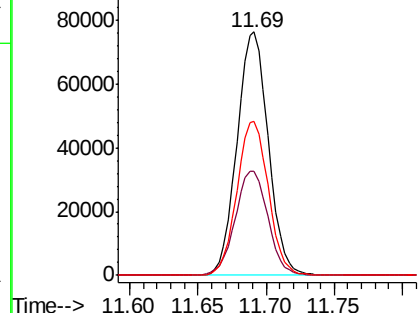
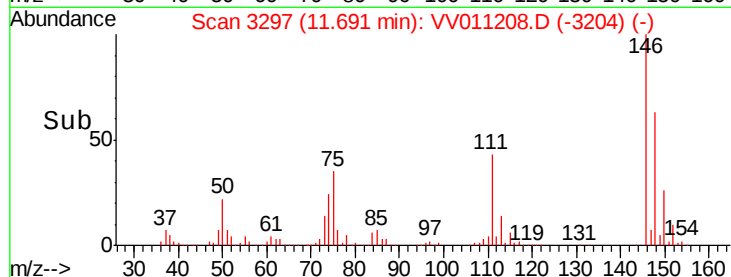
148 63.1 50.3 75.5



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: 4.058 ug/L

RT: 12.48 min Scan# 3541

Delta R.T. 0.00 min

Lab File: VV011208.D

Acq: 04 Jun 2019 15:51

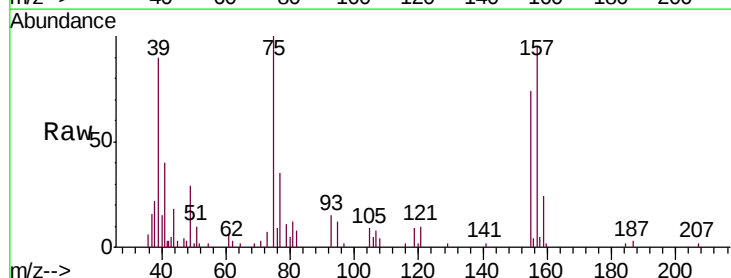
Tgt Ion: 75 Resp: 8073

Ion Ratio Lower Upper

75 100

155 74.2 64.4 96.6

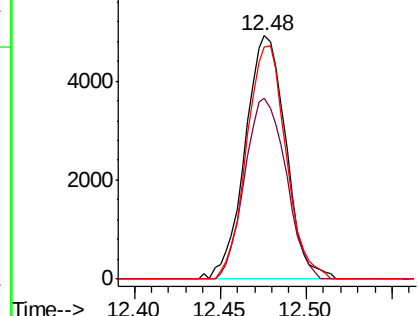
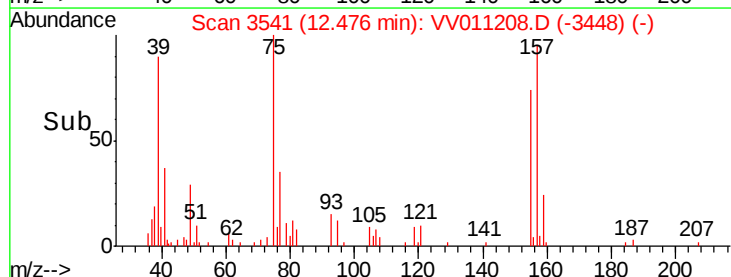
157 95.4 66.7 100.1

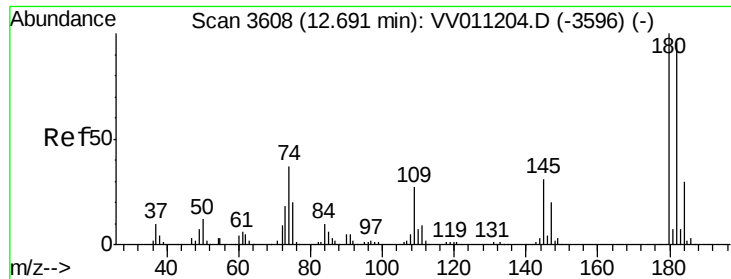


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

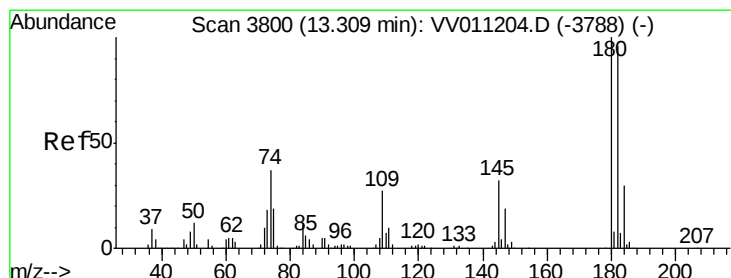
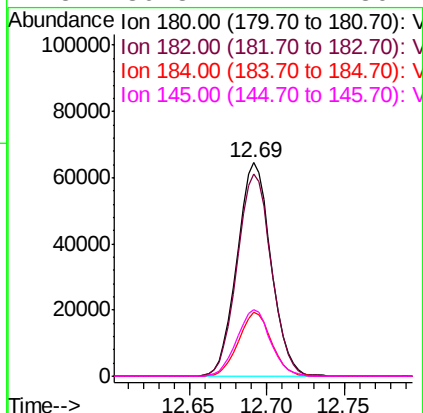
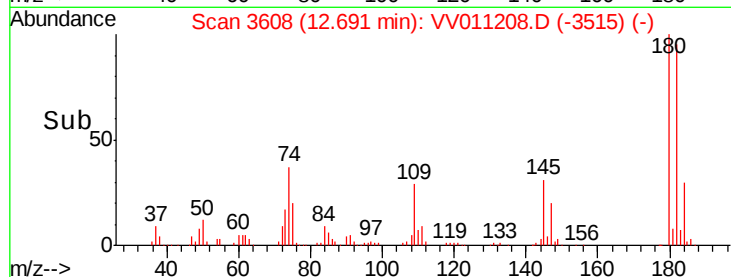
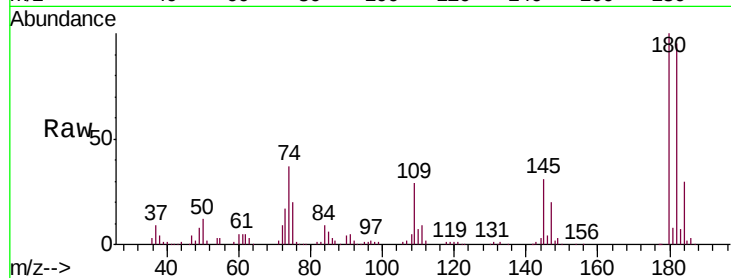




#67
 1,3,5-Trichlorobenzene
 Concen: 4.553 ug/L
 RT: 12.69 min Scan# 3608
 Delta R.T. 0.00 min
 Lab File: VV011208.D
 Acq: 04 Jun 2019 15:51

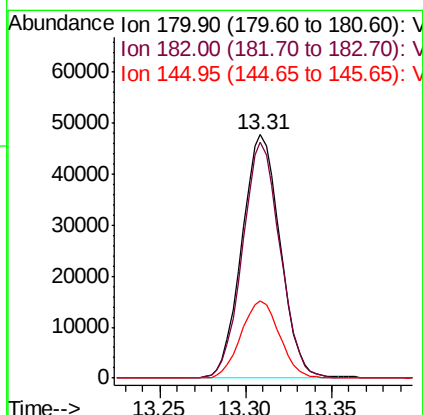
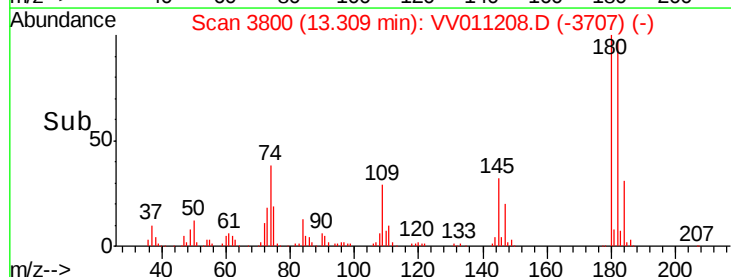
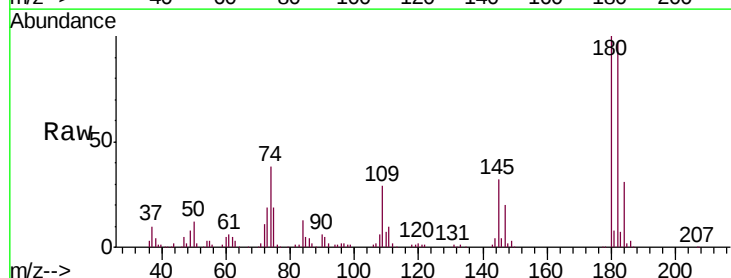
Instrument :
 MSVOA_V
 ClientSampleID :
 VSTD00557

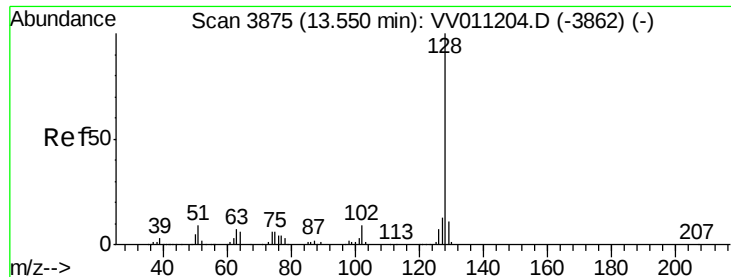
Tgt Ion:180 Resp: 98373
 Ion Ratio Lower Upper
 180 100
 182 95.6 76.7 115.1
 184 29.1 23.8 35.8
 145 30.8 24.2 36.2



#68
 1,2,4-trichlorobenzene
 Concen: 4.499 ug/L
 RT: 13.31 min Scan# 3800
 Delta R.T. 0.00 min
 Lab File: VV011208.D
 Acq: 04 Jun 2019 15:51

Tgt Ion:180 Resp: 73813
 Ion Ratio Lower Upper
 180 100
 182 95.0 78.8 118.2
 145 31.8 26.3 39.5





#69

Naphthalene

Concen: 4.709 ug/L

RT: 13.55 min Scan# 3875

Delta R.T. 0.00 min

Lab File: VV011208.D

Acq: 04 Jun 2019 15:51

Instrument :

MSVOA_V

ClientSampled :

VSTD00557

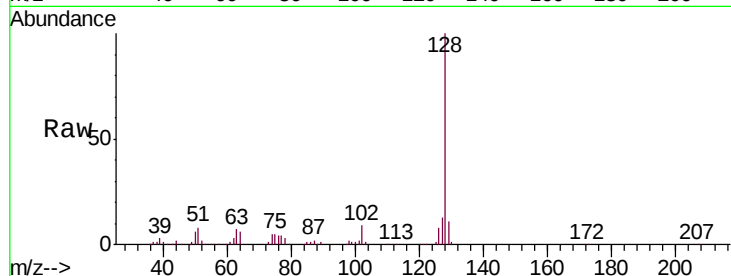
Tgt Ion:128 Resp: 126444

Ion Ratio Lower Upper

128 100

129 11.2 8.9 13.3

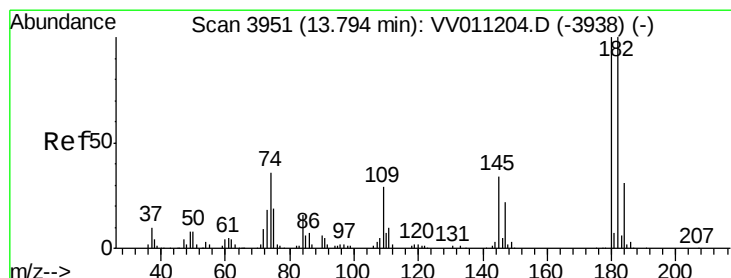
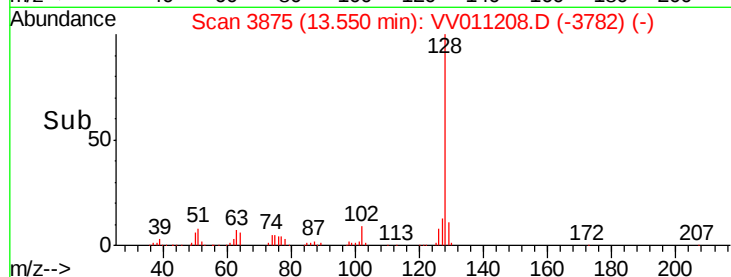
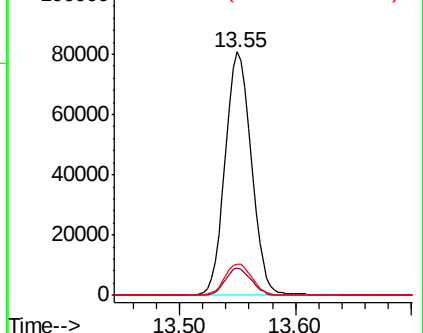
127 13.3 10.5 15.7



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: 4.618 ug/L

RT: 13.79 min Scan# 3950

Delta R.T. -0.00 min

Lab File: VV011208.D

Acq: 04 Jun 2019 15:51

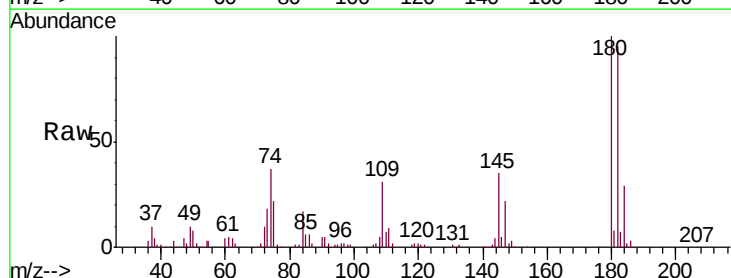
Tgt Ion:180 Resp: 67932

Ion Ratio Lower Upper

180 100

182 95.4 78.6 117.8

145 33.8 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

