

Data File : VV011303.D
Acq On : 07 Jun 2019 22:45
Operator : SY/MD
Sample : VSTDCCC005
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD00534

Quant Time: Jun 08 00:45:45 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR060419WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Jun 08 00:40:24 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	157757	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	152364	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	67383	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	54955	4.60	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	92.00%
7) Chloroethane-d5	1.55	69	43347	4.36	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	87.20%
11) 1,1-Dichloroethene-d2	2.12	63	117063	4.90	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	98.00%
20) 2-Butanone-d5	3.94	46	157797	58.63	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	117.26%
24) Chloroform-d	4.40	84	109325	5.20	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.00%
26) 1,2-Dichloroethane-d4	5.08	65	59555	5.24	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.80%
32) Benzene-d6	5.09	84	209899	4.60	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.00%
36) 1,2-Dichloropropane-d6	6.12	67	66019	4.70	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.00%
41) Toluene-d8	7.36	98	201319	4.81	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.20%
43) trans-1,3-Dichloropropene-	7.66	79	23630	4.41	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	88.20%
46) 2-Hexanone-d5	8.13	63	126752	56.06	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	112.12%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	50578	5.28	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	105.60%
64) 1,2-Dichlorobenzene-d4	11.67	152	68145	5.12	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.40%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	66195	4.255 ug/L	97
3) Chloromethane	1.25	50	68511	4.554 ug/L	99
5) Vinyl chloride	1.32	62	72710	5.010 ug/L	93
6) Bromomethane	1.51	94	26796	3.549 ug/L	98
8) Chloroethane	1.57	64	41380	4.461 ug/L	94
9) Trichlorofluoromethane	1.75	101	97429	4.890 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	50590	4.947 ug/L	98
12) 1,1-Dichloroethene	2.13	96	48192	4.849 ug/L	89
13) Acetone	2.19	43	104685	58.016 ug/L	99
14) Carbon disulfide	2.30	76	129342	4.290 ug/L	100
15) Methyl Acetate	2.46	43	25963	5.418 ug/L	96
16) Methylene chloride	2.52	84	50430	4.924 ug/L	98
17) Methyl tert-butyl Ether	2.81	73	132187	4.982 ug/L	99
18) trans-1,2-Dichloroethene	2.78	96	53254	4.785 ug/L	97
19) 1,1-Dichloroethane	3.22	63	104145	4.744 ug/L	99
21) 2-Butanone	4.02	43	161082	57.968 ug/L	96
22) cis-1,2-Dichloroethene	3.95	96	57622	4.675 ug/L	96

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ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD00534

Quant Time: Jun 08 00:45:45 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR060419WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Jun 08 00:40:24 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.29	128	21846	4.624	ug/L	96
25) Chloroform	4.42	83	107059	4.722	ug/L	98
27) 1,2-Dichloroethane	5.18	62	71627	5.170	ug/L	100
29) 1,1,1-Trichloroethane	4.65	97	86920	4.473	ug/L	99
30) Cyclohexane	4.71	56	94717	4.396	ug/L	100
31) Carbon tetrachloride	4.87	117	71469	4.400	ug/L	98
33) Benzene	5.14	78	223225	4.604	ug/L	100
34) Trichloroethene	5.96	95	57449	4.587	ug/L	98
35) Methylcyclohexane	6.17	83	88207	4.258	ug/L	98
37) 1,2-Dichloropropane	6.22	63	56497	4.682	ug/L	100
38) Bromodichloromethane	6.55	83	66863	4.482	ug/L	98
39) cis-1,3-Dichloropropene	7.07	75	77766	4.405	ug/L	100
40) 4-Methyl-2-pentanone	7.27	43	416462	54.197	ug/L	99
42) Toluene	7.43	91	247565	4.791	ug/L	98
44) trans-1,3-Dichloropropene	7.69	75	56866	4.237	ug/L	99
45) 1,1,2-Trichloroethane	7.88	97	37949	4.913	ug/L	98
47) Tetrachloroethene	8.02	164	42669	4.714	ug/L	99
48) 2-Hexanone	8.18	43	299815	55.944	ug/L	99
49) Dibromochloromethane	8.29	129	39287	4.478	ug/L	97
50) 1,2-Dibromoethane	8.40	107	35329	4.812	ug/L	98
51) Chlorobenzene	8.92	112	150692	4.782	ug/L	99
52) Ethylbenzene	9.05	91	274839	4.789	ug/L	98
53) m,p-xylene	9.18	106	101516	4.784	ug/L	95
54) o-xylene	9.59	106	101199	4.859	ug/L	100
55) Styrene	9.60	104	167440	4.936	ug/L	96
56) Isopropylbenzene	9.97	105	270015	4.817	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	48868	5.218	ug/L	98
59) 1,2,3-Trichloropropane	10.32	75	36592	5.199	ug/L	98
61) Bromoform	9.77	173	18603	4.596	ug/L	95
62) 1,3-Dichlorobenzene	11.22	146	108189	4.855	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	106154	4.908	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	105463	5.121	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.47	75	6942	4.704	ug/L	90
67) 1,3,5-Trichlorobenzene	12.69	180	75223	4.693	ug/L	97
68) 1,2,4-trichlorobenzene	13.31	180	59003	4.848	ug/L	97
69) Naphthalene	13.55	128	107380	5.390	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	56513	5.178	ug/L	98

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

Data File : VV011303.D

Acq On : 07 Jun 2019 22:45

Operator : SY/MD

Sample : VSTDCCC005

Misc : 25ML/MSV0A V/WATER

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ALS Vial      : 1      Sample Multiplier: 1
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Instrument :
MSVOA_V
ClientSampleId :
VSTD00534

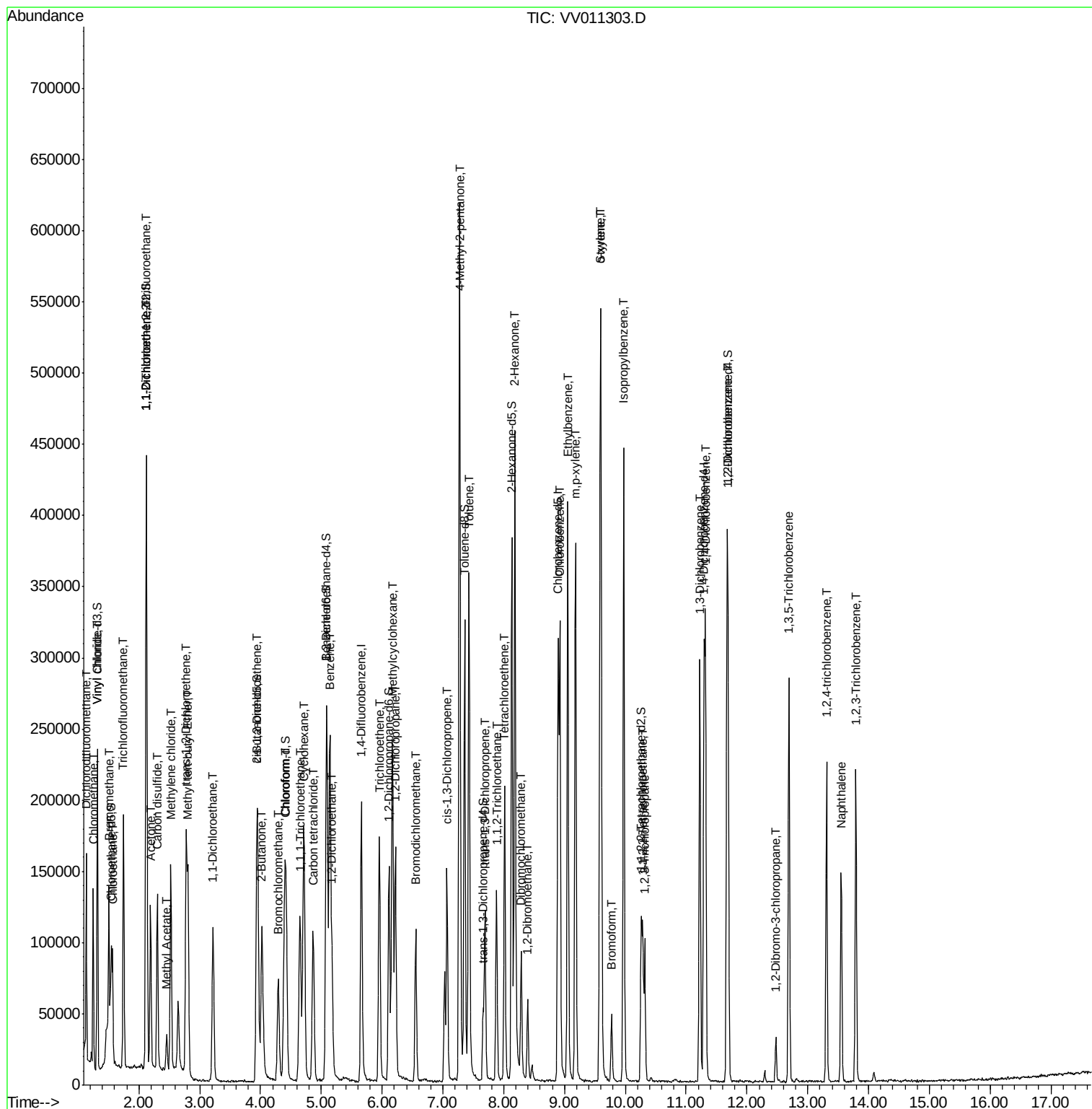
Quant Time: Jun 08 00:45:45 2019

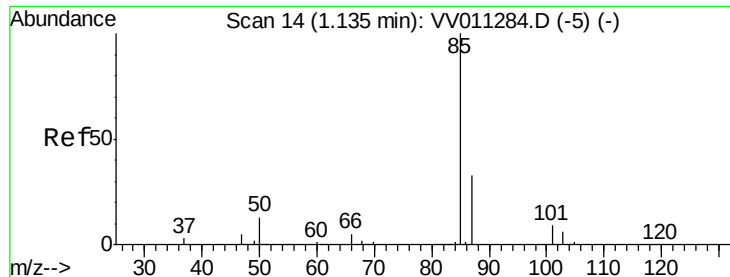
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_V\METHOD\SOMVTR060419WMA.M

Quant Title : TRACE VOA SOM01.0

QLast Update : Sat Jun 08 00:40:24 2019

Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 4.255 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV011303.D

Acq: 07 Jun 2019 22:45

Instrument :

MSVOA_V

ClientSampleId :

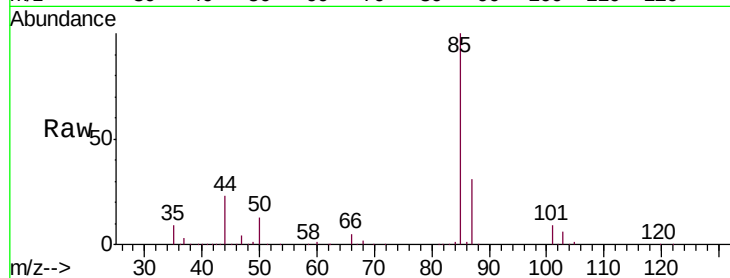
VSTD00534

Tgt Ion: 85 Resp: 66195

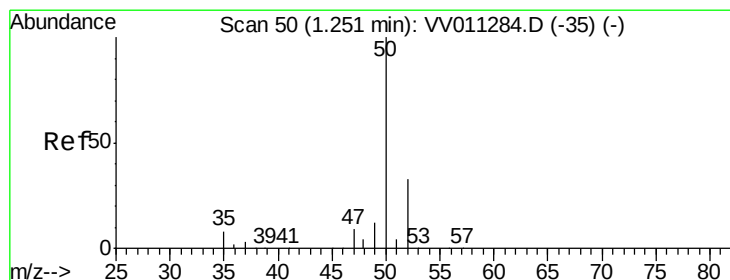
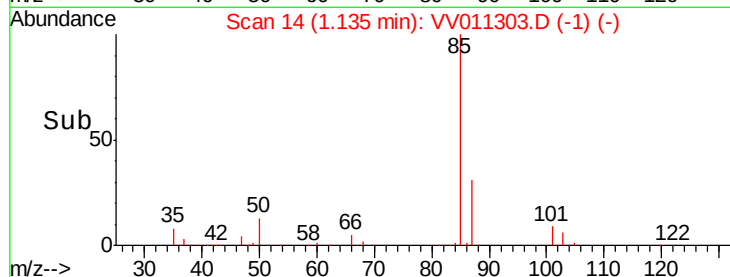
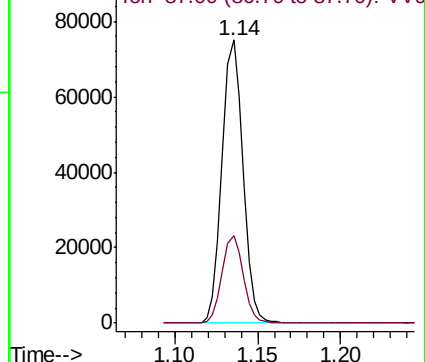
Ion Ratio Lower Upper

85 100

87 31.2 26.5 39.7



Abundance Ion 85.00 (84.70 to 85.70): VV011303.D (-1) (-)



#3

Chloromethane

Concen: 4.554 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV011303.D

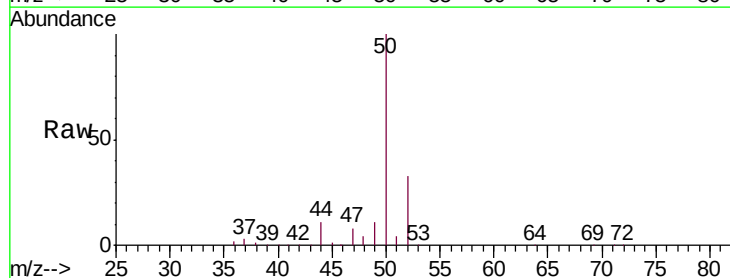
Acq: 07 Jun 2019 22:45

Tgt Ion: 50 Resp: 68511

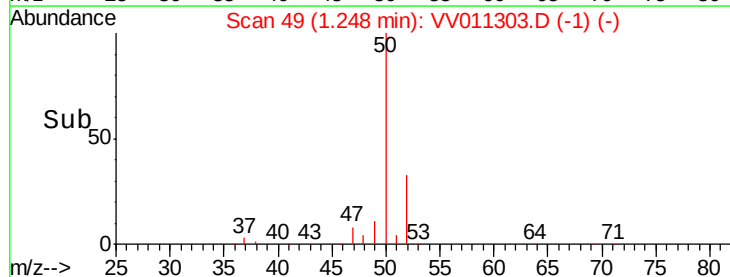
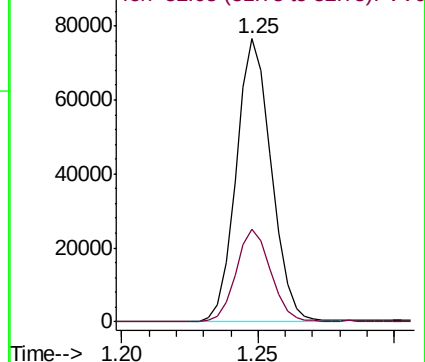
Ion Ratio Lower Upper

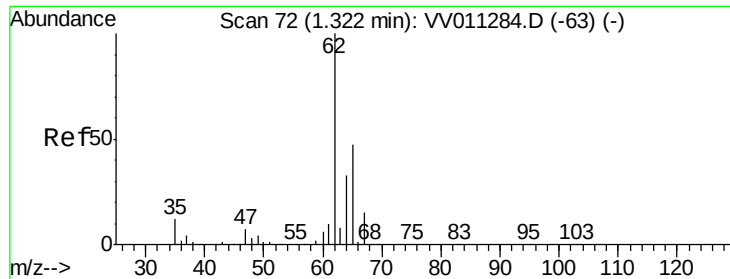
50 100

52 32.6 22.3 41.5



Abundance Ion 50.05 (49.75 to 50.75): VV011303.D (-1) (-)





#5

Vinyl chloride

Concen: 5.010 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV011303.D

Acq: 07 Jun 2019 22:45

Instrument :

MSVOA_V

ClientSampleId :

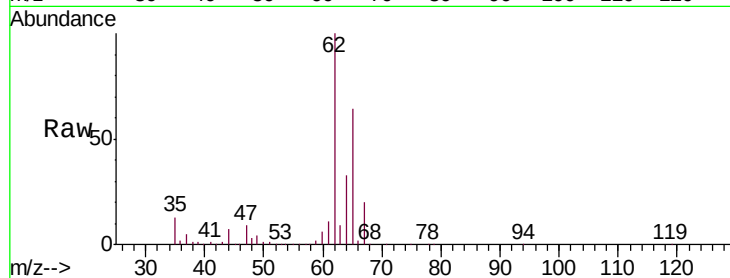
VSTD00534

Tgt Ion: 62 Resp: 72710

Ion Ratio Lower Upper

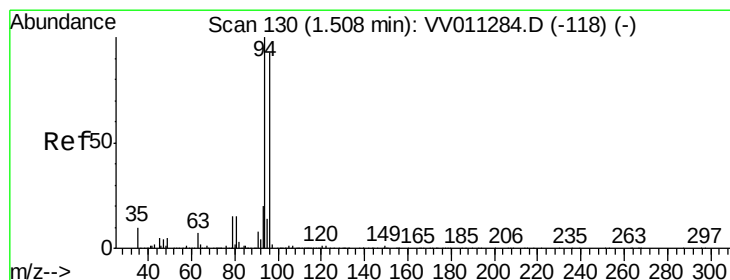
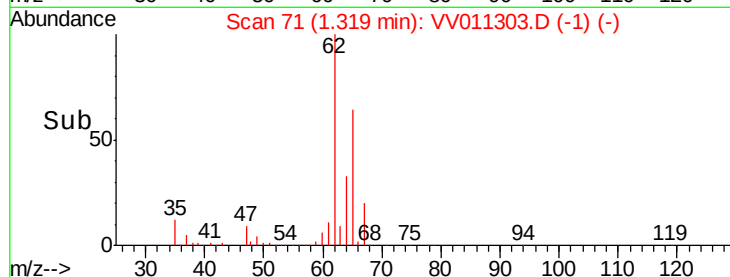
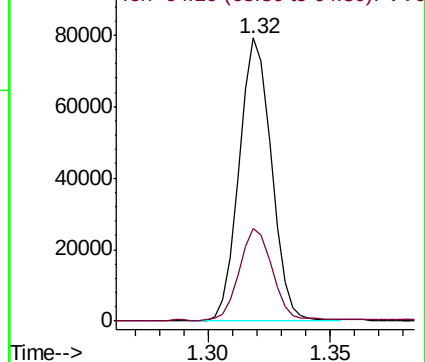
62 100

64 32.7 25.9 48.1



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0



#6

Bromomethane

Concen: 3.549 ug/L

RT: 1.51 min Scan# 130

Delta R.T. -0.00 min

Lab File: VV011303.D

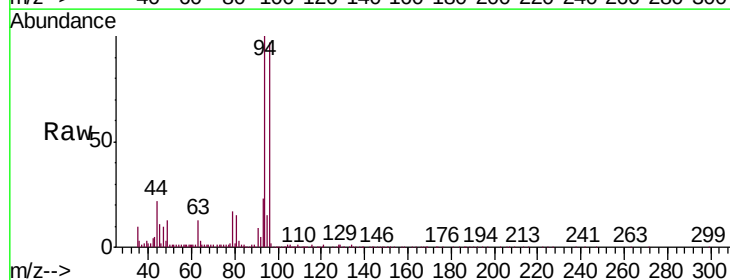
Acq: 07 Jun 2019 22:45

Tgt Ion: 94 Resp: 26796

Ion Ratio Lower Upper

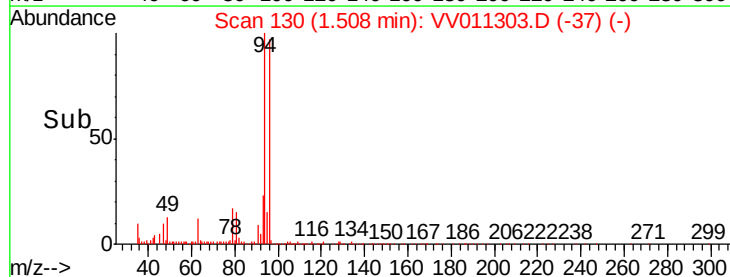
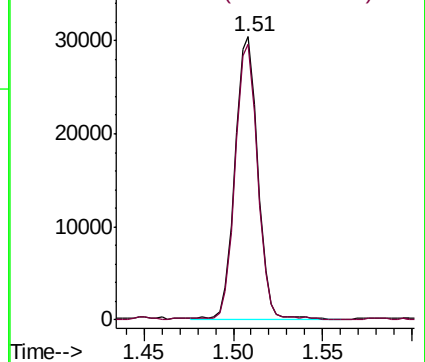
94 100

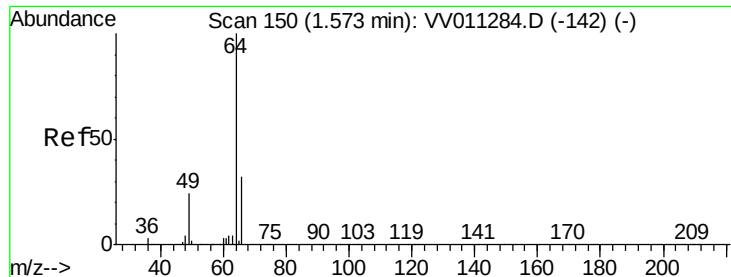
96 97.2 67.0 124.4



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 4.461 ug/L

RT: 1.57 min Scan# 149

Delta R.T. -0.00 min

Lab File: VV011303.D

Acq: 07 Jun 2019 22:45

Instrument :

MSVOA_V

ClientSampleId :

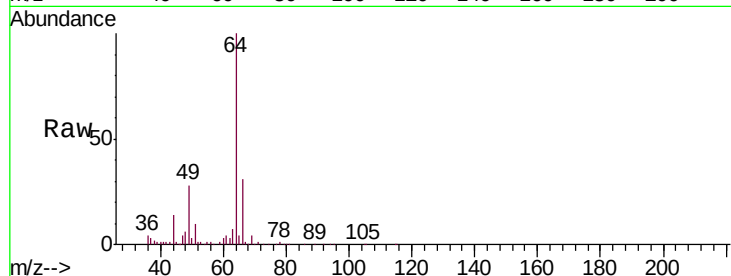
VSTD00534

Tgt Ion: 64 Resp: 41380

Ion Ratio Lower Upper

64 100

66 31.0 19.4 36.0



Abundance Ion 64.10 (63.80 to 64.80): VV011284.D (-142) (-)

Ion 66.05 (65.75 to 66.75): VV011284.D (-142) (-)

1.57

40000

30000

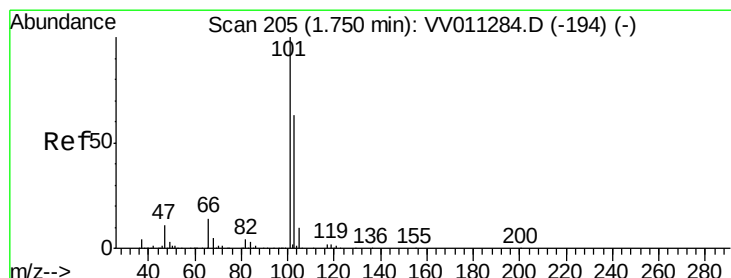
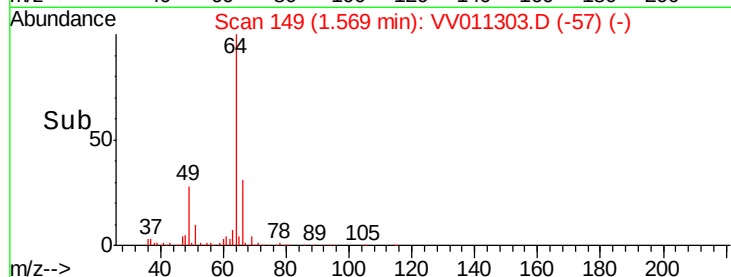
20000

10000

0

Time-->

1.50 1.55 1.60



#9

Trichlorofluoromethane

Concen: 4.890 ug/L

RT: 1.75 min Scan# 204

Delta R.T. -0.00 min

Lab File: VV011303.D

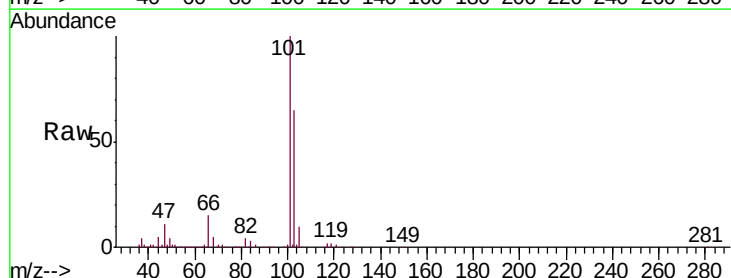
Acq: 07 Jun 2019 22:45

Tgt Ion: 101 Resp: 97429

Ion Ratio Lower Upper

101 100

103 65.2 50.8 76.2



Abundance Ion 101.00 (100.70 to 101.70): VV011284.D (-194) (-)

Ion 103.00 (102.70 to 103.70): VV011284.D (-194) (-)

1.75

80000

60000

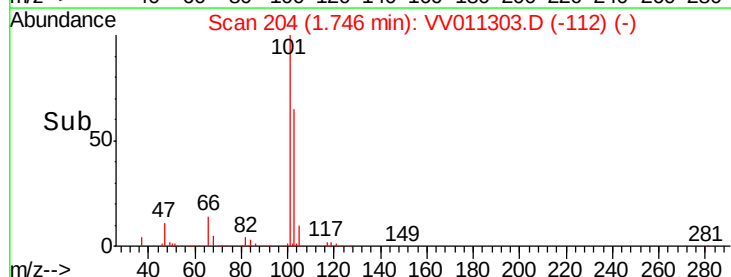
40000

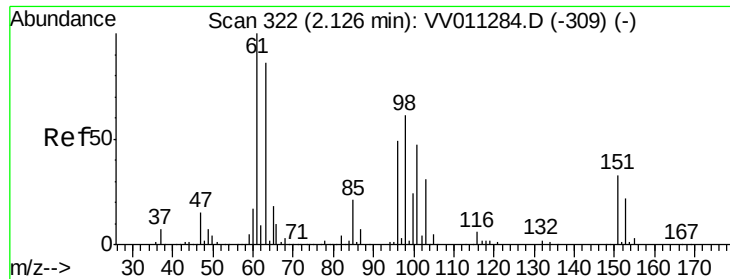
20000

0

Time-->

1.70 1.75 1.80





#10

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

Concen: 4.947 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.00 min

Lab File: VV011303.D

Acq: 07 Jun 2019 22:45

Instrument :

MSVOA_V

ClientSampleId :

VSTD00534

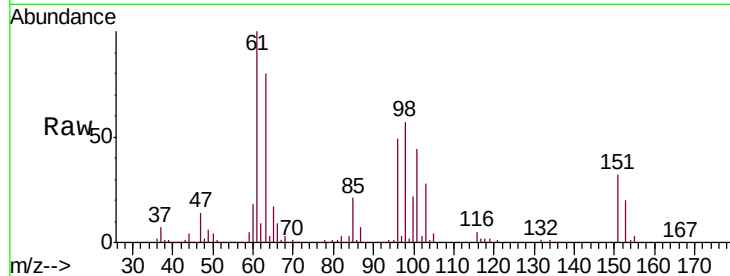
Tgt Ion:101 Resp: 50590

Ion Ratio Lower Upper

101 100

85 47.5 35.5 53.3

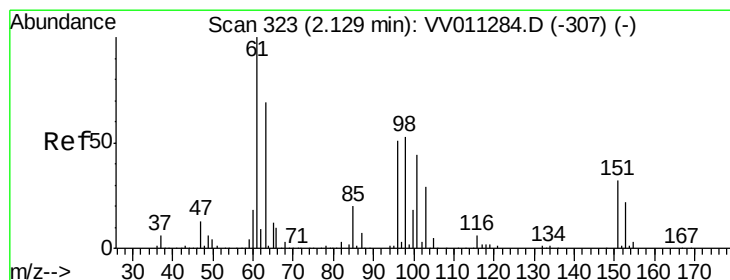
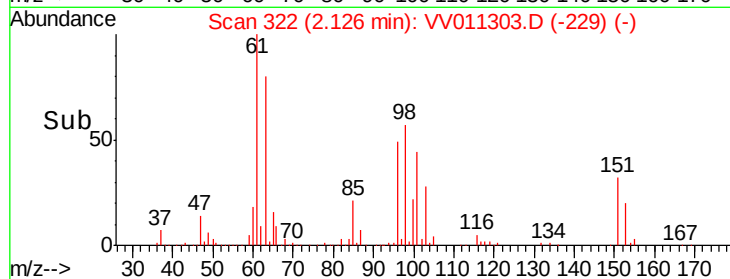
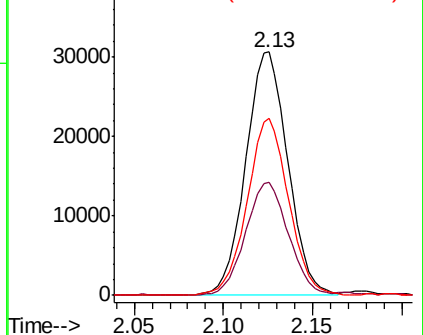
151 71.7 56.9 85.3



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: 4.849 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.00 min

Lab File: VV011303.D

Acq: 07 Jun 2019 22:45

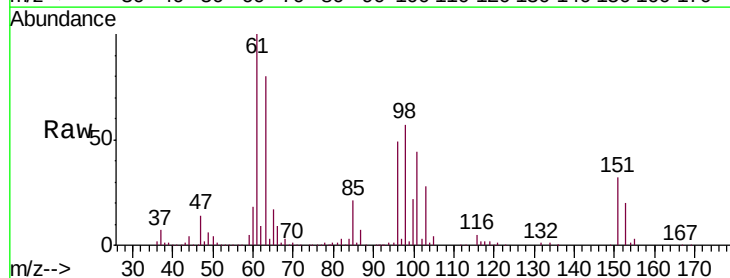
Tgt Ion: 96 Resp: 48192

Ion Ratio Lower Upper

96 100

61 203.6 139.8 259.6

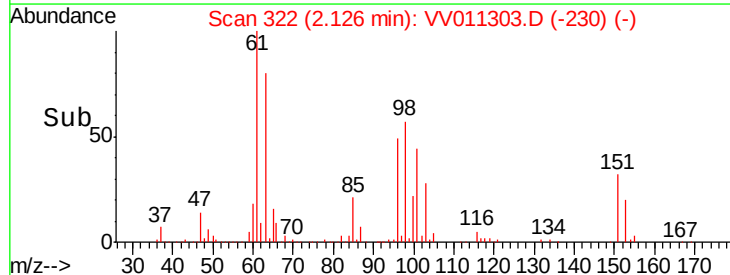
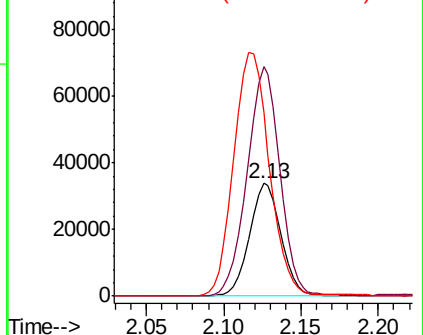
63 162.6 94.3 175.1

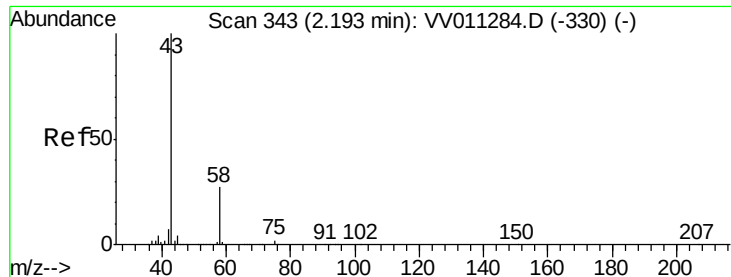


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 58.016 ug/L

RT: 2.19 min Scan# 342

Delta R.T. -0.00 min

Lab File: VV011303.D

Acq: 07 Jun 2019 22:45

Instrument :

MSVOA_V

ClientSampleId :

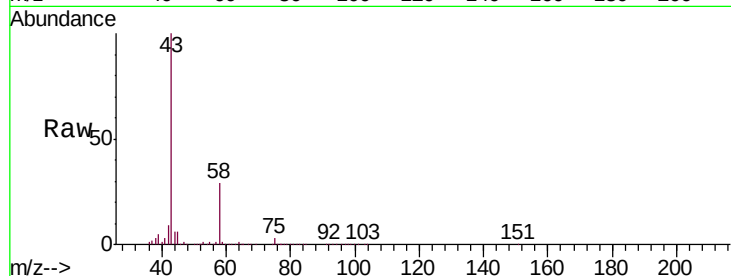
VSTD00534

Tgt Ion: 43 Resp: 104685

Ion Ratio Lower Upper

43 100

58 28.1 0.0 55.2



Abundance Ion 43.05 (42.75 to 43.75): VV011284.D (-330) (-)

Ion 58.05 (57.75 to 58.75): VV011284.D (-330) (-)

2.19

80000

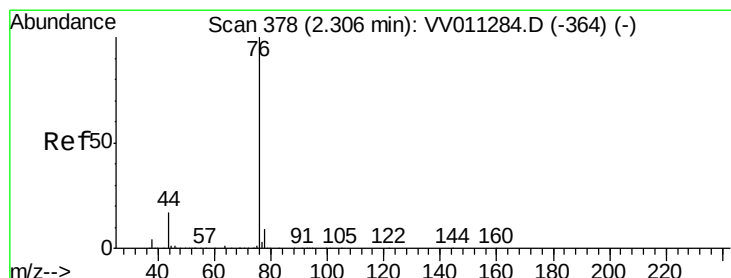
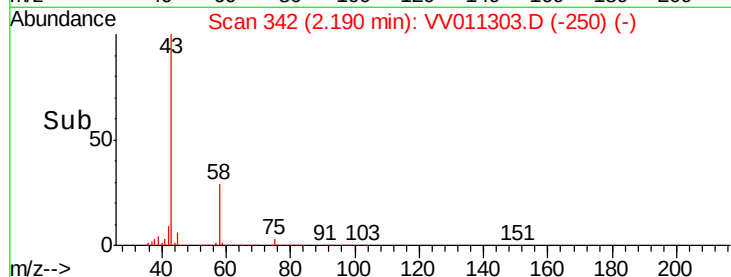
60000

40000

20000

0

Time--> 2.10 2.15 2.20 2.25 2.30



#14

Carbon disulfide

Concen: 4.290 ug/L

RT: 2.30 min Scan# 377

Delta R.T. -0.00 min

Lab File: VV011303.D

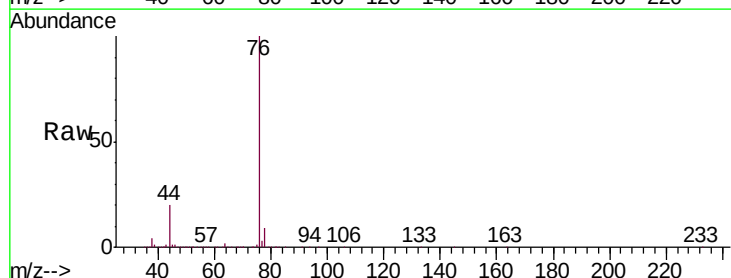
Acq: 07 Jun 2019 22:45

Tgt Ion: 76 Resp: 129342

Ion Ratio Lower Upper

76 100

78 9.1 7.3 10.9



Abundance Ion 76.05 (75.75 to 76.75): VV011284.D (-364) (-)

Ion 78.00 (77.70 to 78.70): VV011284.D (-364) (-)

2.30

100000

80000

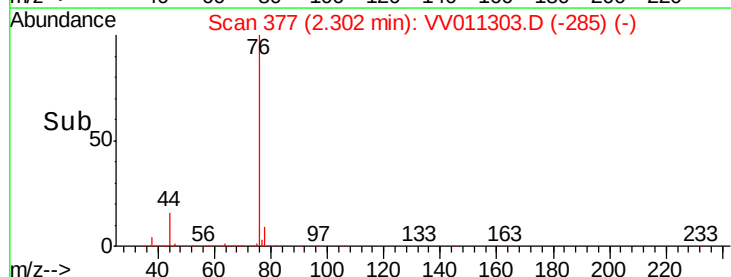
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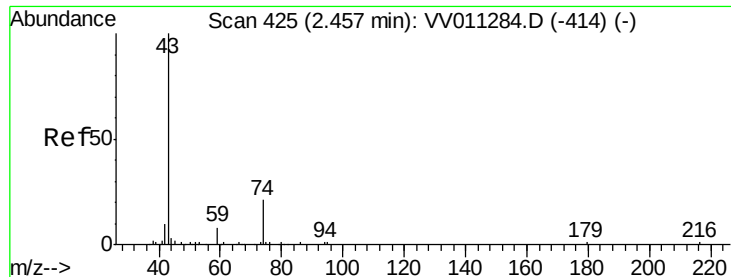
40000

20000

0

Time--> 2.25 2.30 2.35 2.40

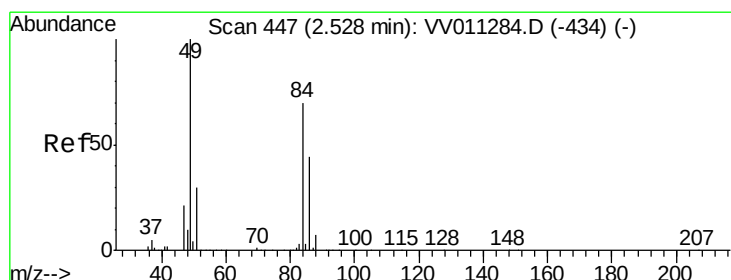
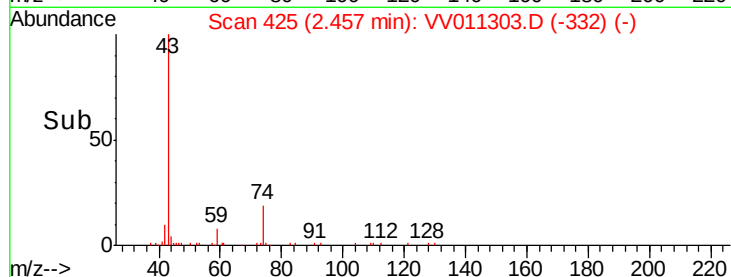
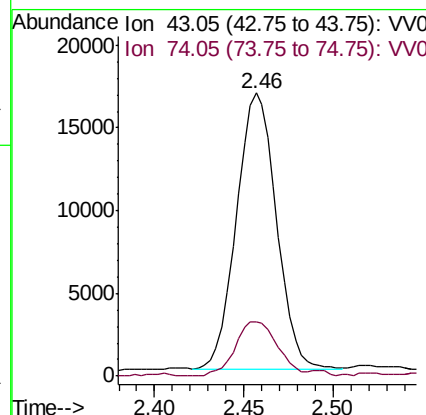
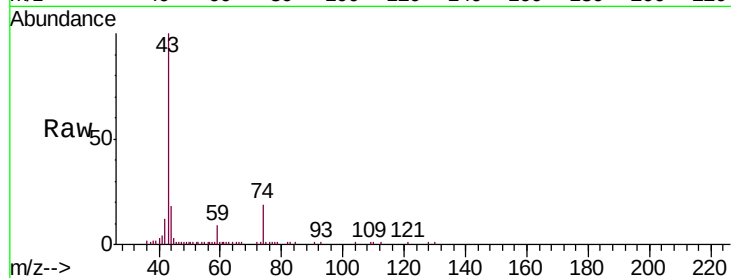




#15
Methyl Acetate
Concen: 5.418 ug/L
RT: 2.46 min Scan# 425
Delta R.T. -0.00 min
Lab File: VV011303.D
Acq: 07 Jun 2019 22:45

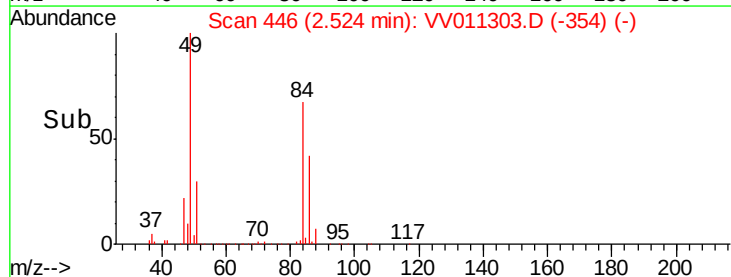
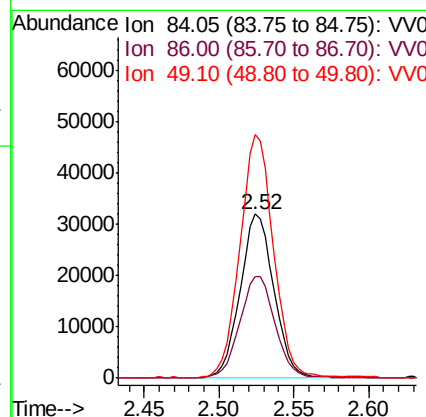
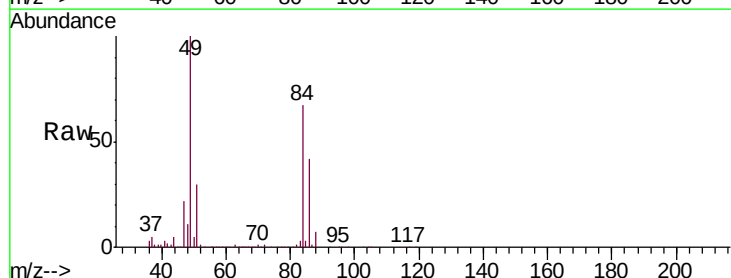
Instrument :
MSVOA_V
ClientSampleId :
VSTD00534

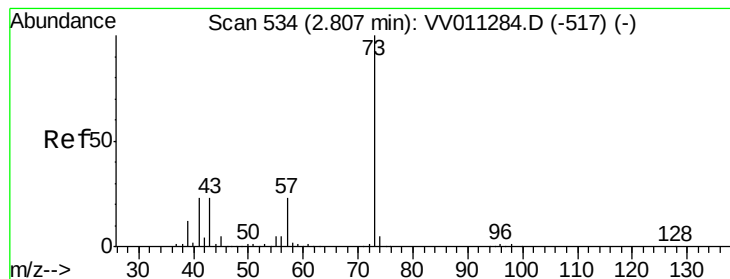
Tgt Ion: 43 Resp: 25963
Ion Ratio Lower Upper
43 100
74 21.2 18.5 27.7



#16
Methylene chloride
Concen: 4.924 ug/L
RT: 2.52 min Scan# 446
Delta R.T. -0.00 min
Lab File: VV011303.D
Acq: 07 Jun 2019 22:45

Tgt Ion: 84 Resp: 50430
Ion Ratio Lower Upper
84 100
86 62.3 44.9 83.3
49 148.4 102.1 189.5



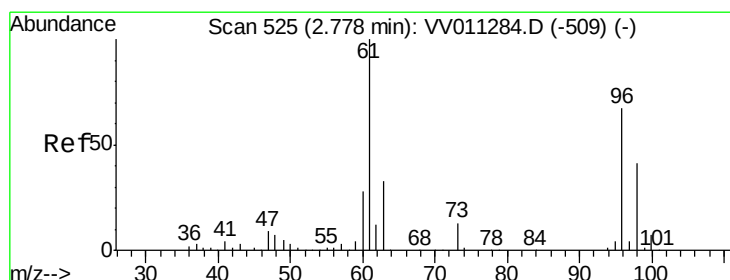
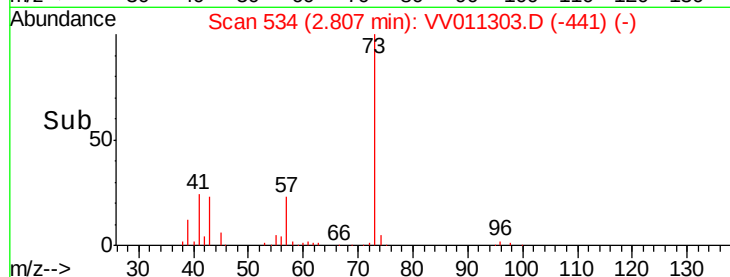
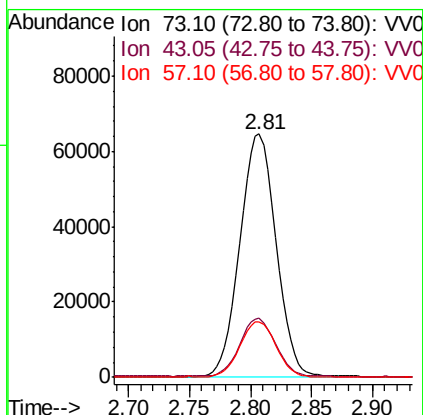
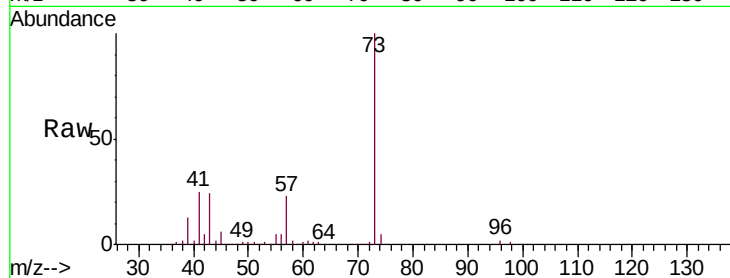


#17

Methyl tert-butyl Ether
 Concen: 4.982 ug/L
 RT: 2.81 min Scan# 534
 Delta R.T. -0.00 min
 Lab File: VV011303.D
 Acq: 07 Jun 2019 22:45

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00534

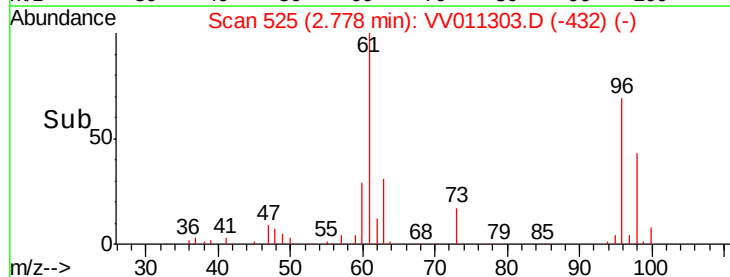
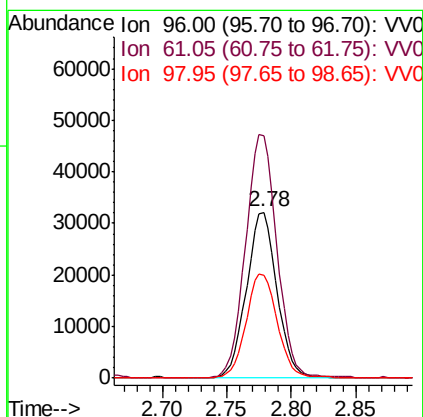
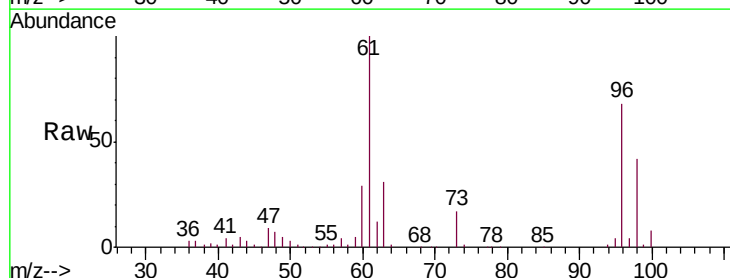
Tgt Ion:	73	Resp:	132187
Ion	Ratio	Lower	Upper
73	100		
43	23.8	18.7	28.1
57	22.5	18.1	27.1

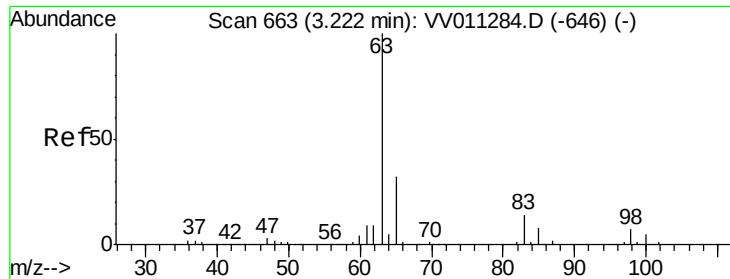


#18

trans-1,2-Dichloroethene
 Concen: 4.785 ug/L
 RT: 2.78 min Scan# 525
 Delta R.T. -0.00 min
 Lab File: VV011303.D
 Acq: 07 Jun 2019 22:45

Tgt Ion:	96	Resp:	53254
Ion	Ratio	Lower	Upper
96	100		
61	146.2	104.0	193.2
98	62.1	45.7	84.9

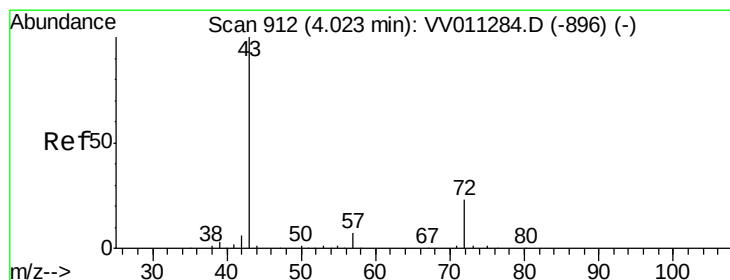
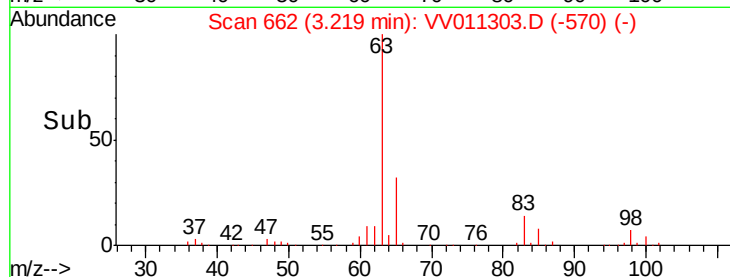
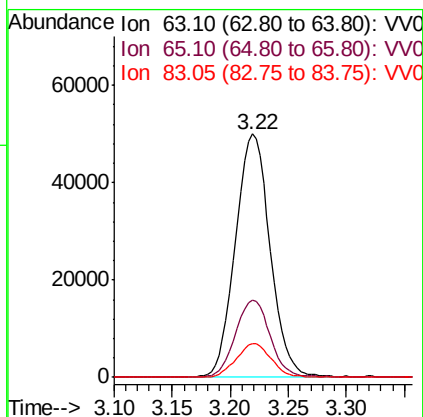
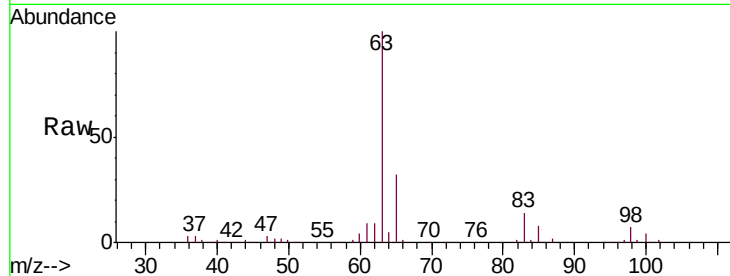




#19
 1,1-Dichloroethane
 Concen: 4.744 ug/L
 RT: 3.22 min Scan# 662
 Delta R.T. -0.00 min
 Lab File: VV011303.D
 Acq: 07 Jun 2019 22:45

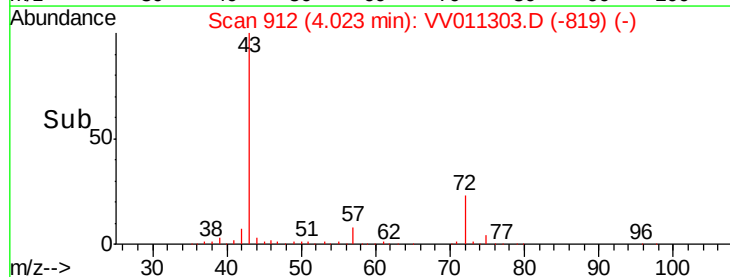
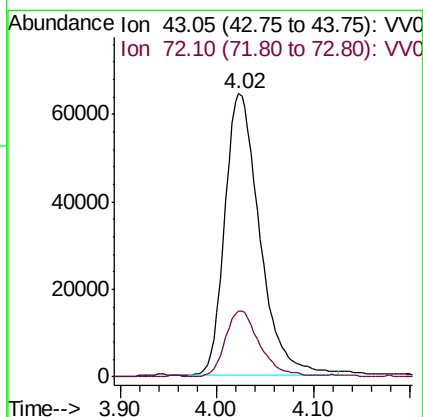
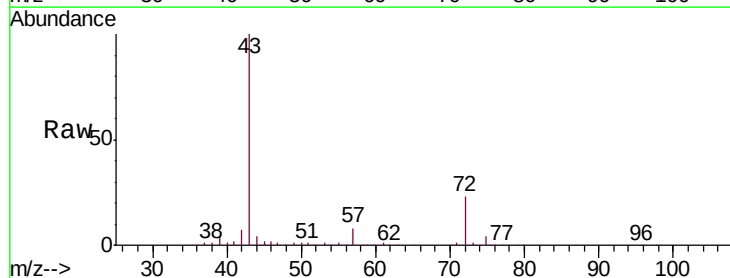
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00534

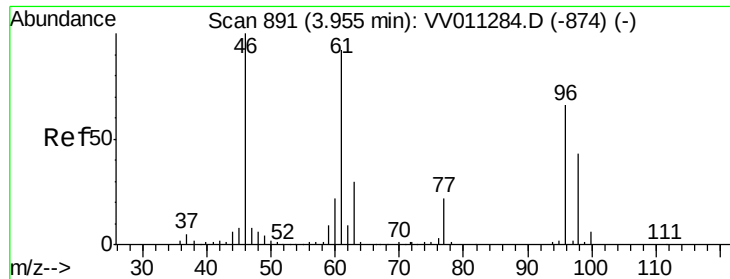
Tgt Ion: 63 Resp: 104145
 Ion Ratio Lower Upper
 63 100
 65 31.5 22.1 41.1
 83 14.0 9.2 17.0



#21
 2-Butanone
 Concen: 57.968 ug/L
 RT: 4.02 min Scan# 912
 Delta R.T. -0.00 min
 Lab File: VV011303.D
 Acq: 07 Jun 2019 22:45

Tgt Ion: 43 Resp: 161082
 Ion Ratio Lower Upper
 43 100
 72 23.3 12.7 38.1



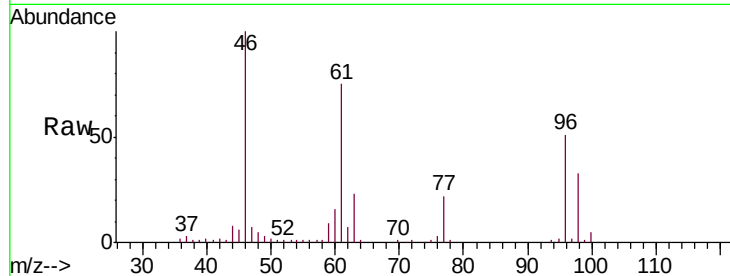


#22

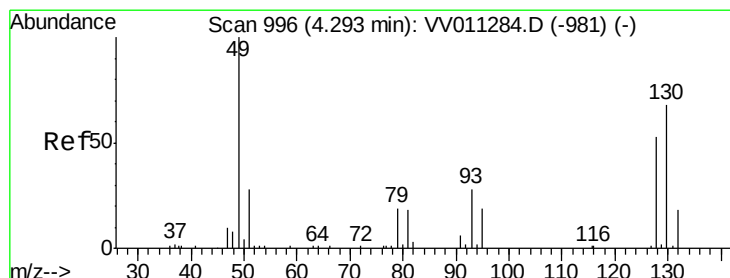
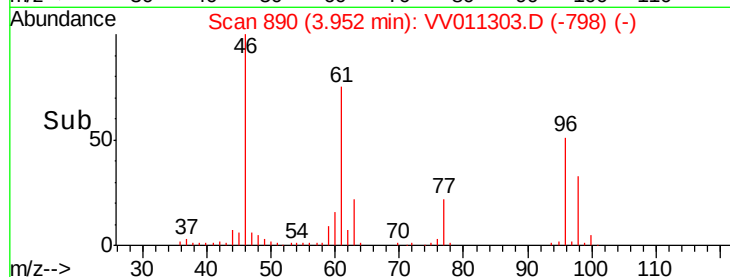
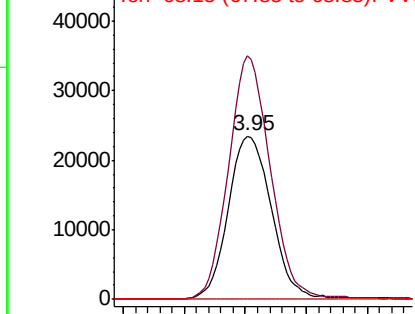
cis-1,2-Dichloroethene
Concen: 4.675 ug/L
RT: 3.95 min Scan# 890
Delta R.T. -0.00 min
Lab File: VV011303.D
Acq: 07 Jun 2019 22:45

Instrument :
MSVOA_V
ClientSampleId :
VSTD00534

Tgt Ion: 96 Resp: 57622
Ion Ratio Lower Upper
96 100
61 149.1 100.8 187.2
68 0.0 0.0 0.0



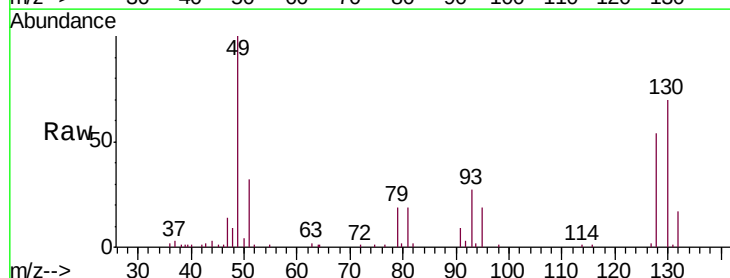
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 68.15 (67.85 to 68.85): VV0



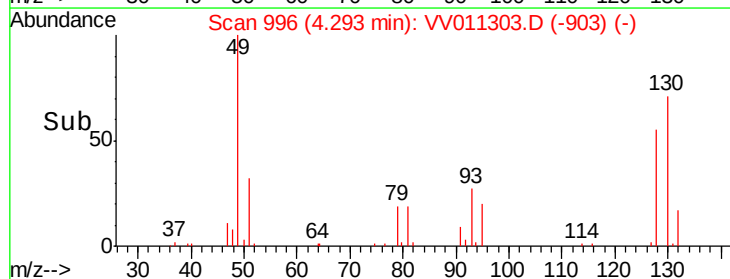
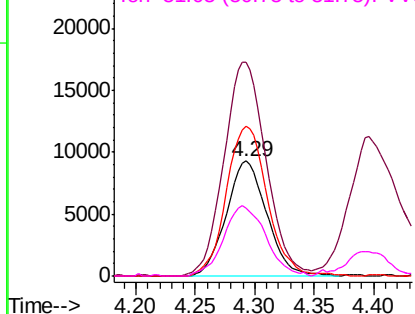
#23

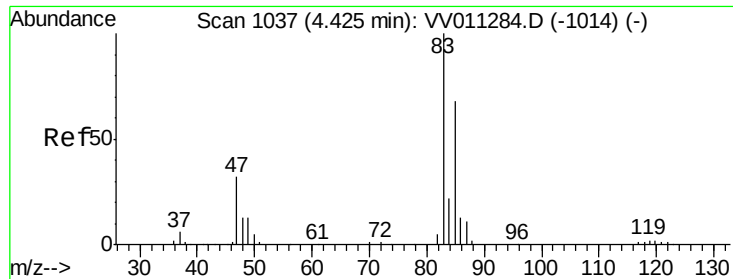
Bromochloromethane
Concen: 4.624 ug/L
RT: 4.29 min Scan# 996
Delta R.T. -0.00 min
Lab File: VV011303.D
Acq: 07 Jun 2019 22:45

Tgt Ion: 128 Resp: 21846
Ion Ratio Lower Upper
128 100
49 185.3 128.9 239.5
130 129.8 82.5 153.1
51 59.5 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

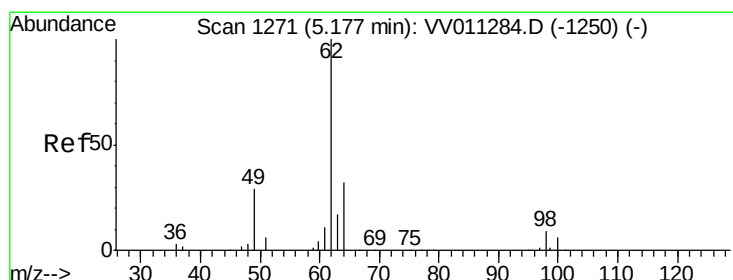
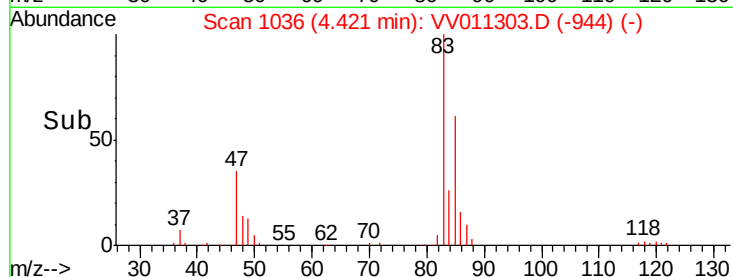
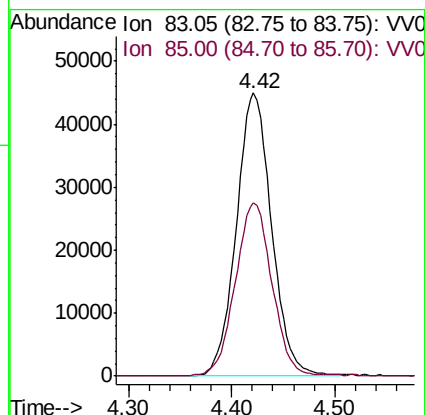
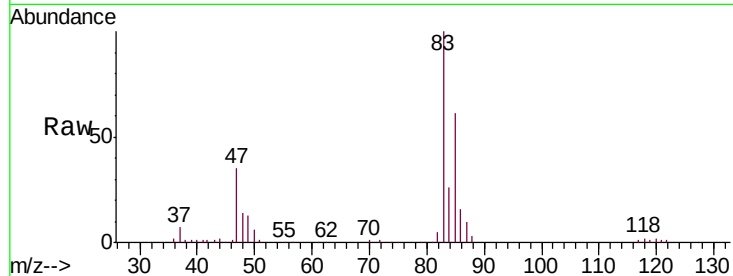




#25
Chloroform
Concen: 4.722 ug/L
RT: 4.42 min Scan# 1036
Delta R.T. -0.00 min
Lab File: VV011303.D
Acq: 07 Jun 2019 22:45

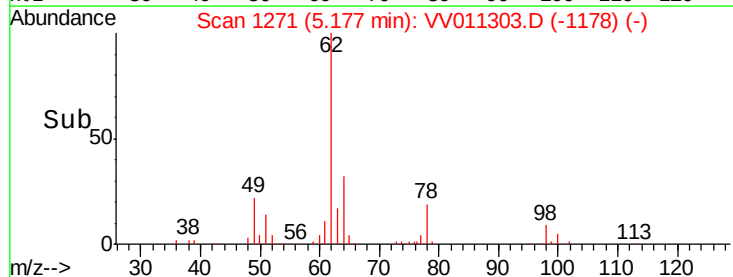
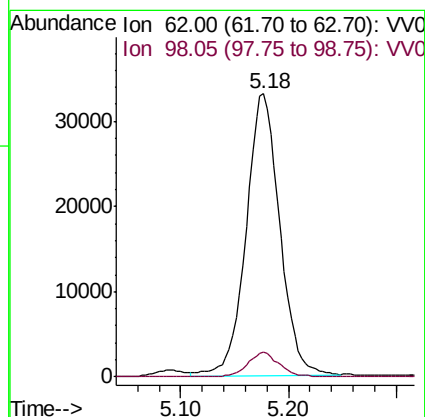
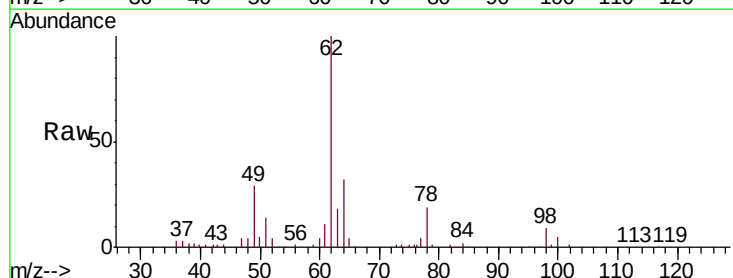
Instrument :
MSVOA_V
ClientSampleId :
VSTD00534

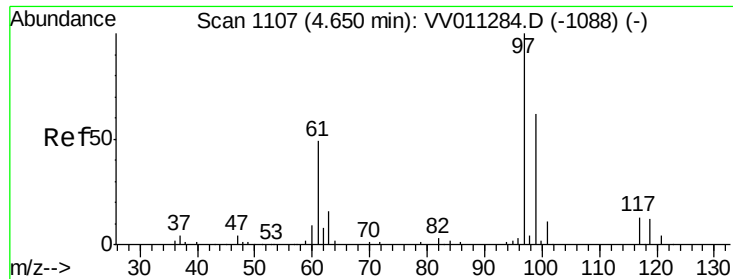
Tgt Ion: 83 Resp: 107059
Ion Ratio Lower Upper
83 100
85 61.2 44.1 81.9



#27
1,2-Dichloroethane
Concen: 5.170 ug/L
RT: 5.18 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VV011303.D
Acq: 07 Jun 2019 22:45

Tgt Ion: 62 Resp: 71627
Ion Ratio Lower Upper
62 100
98 8.6 6.9 10.3

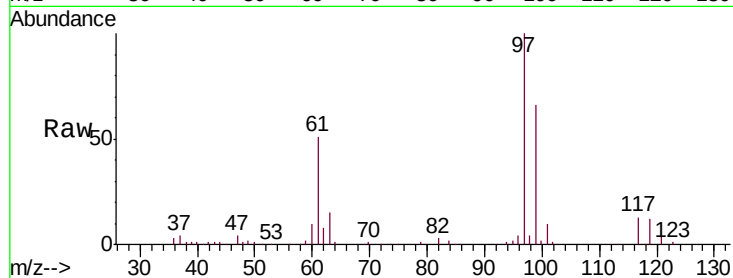




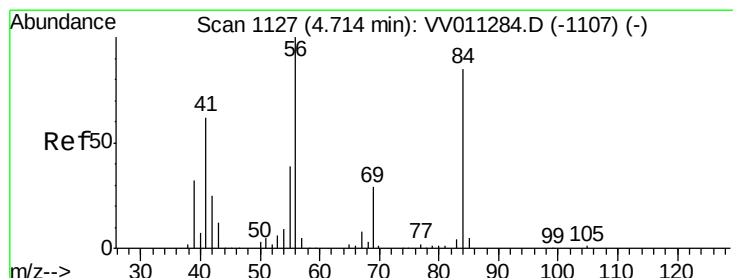
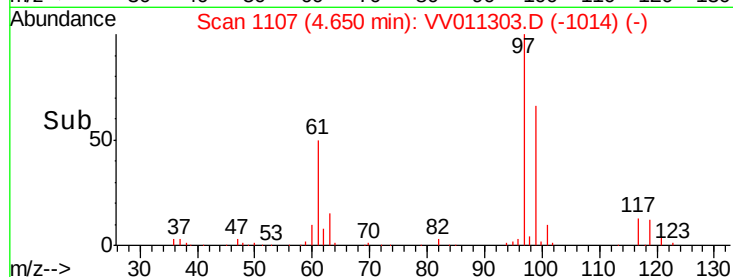
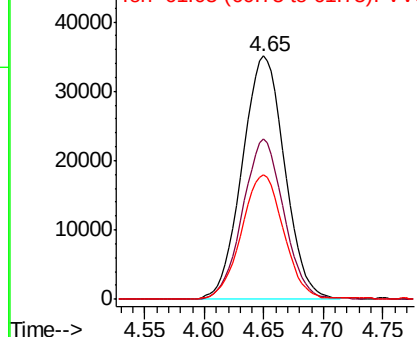
#29
 1,1,1-Trichloroethane
 Concen: 4.473 ug/L
 RT: 4.65 min Scan# 1107
 Delta R.T. -0.00 min
 Lab File: VV011303.D
 Acq: 07 Jun 2019 22:45

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00534

Tgt Ion: 97 Resp: 86920
 Ion Ratio Lower Upper
 97 100
 99 63.8 50.8 76.2
 61 50.6 38.9 58.3

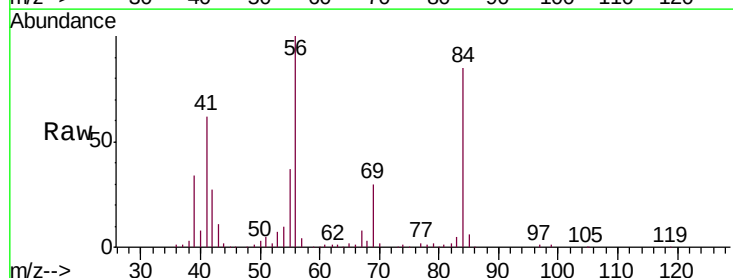


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 61.05 (60.75 to 61.75): VV0

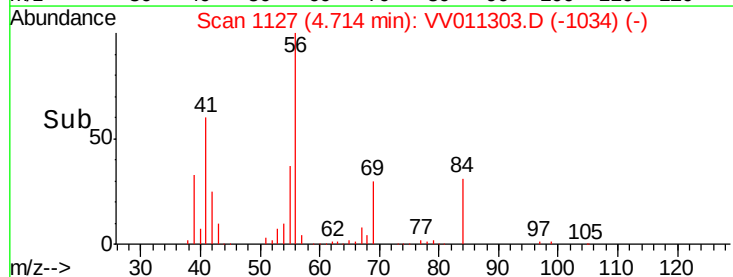
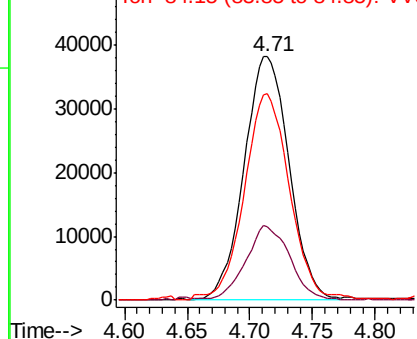


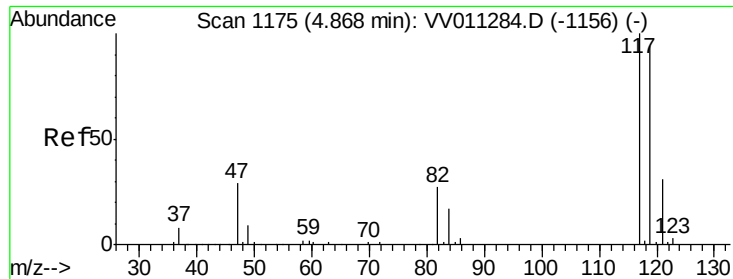
#30
 Cyclohexane
 Concen: 4.396 ug/L
 RT: 4.71 min Scan# 1127
 Delta R.T. -0.00 min
 Lab File: VV011303.D
 Acq: 07 Jun 2019 22:45

Tgt Ion: 56 Resp: 94717
 Ion Ratio Lower Upper
 56 100
 69 29.8 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: 4.400 ug/L

RT: 4.87 min Scan# 1174

Delta R.T. -0.00 min

Lab File: VV011303.D

Acq: 07 Jun 2019 22:45

Instrument :

MSVOA_V

ClientSampleId :

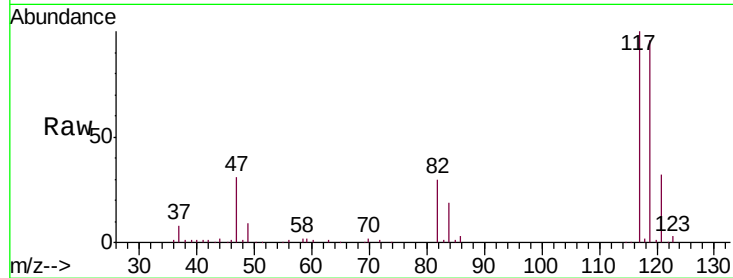
VSTD00534

Tgt Ion:117 Resp: 71469

Ion Ratio Lower Upper

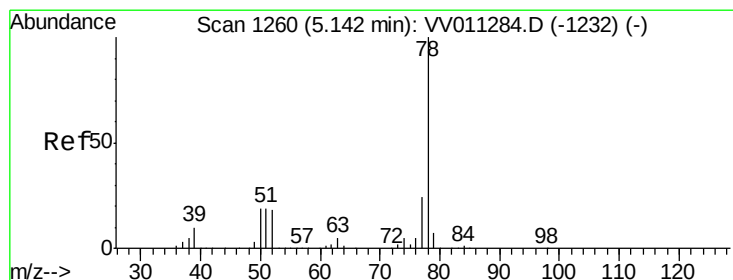
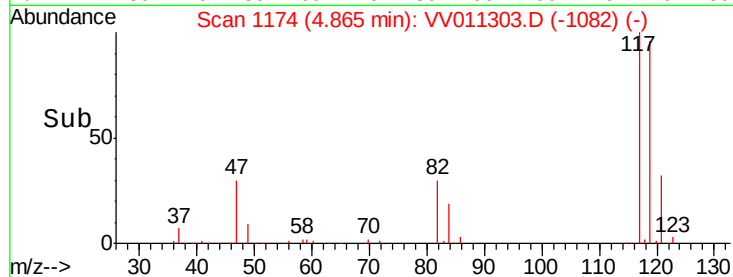
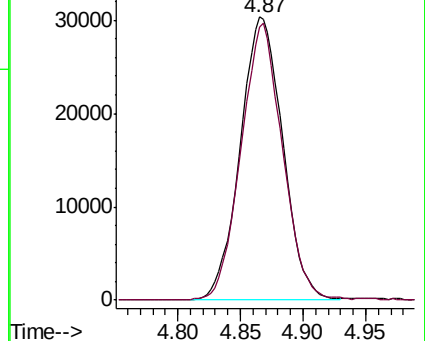
117 100

119 95.4 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: 4.604 ug/L

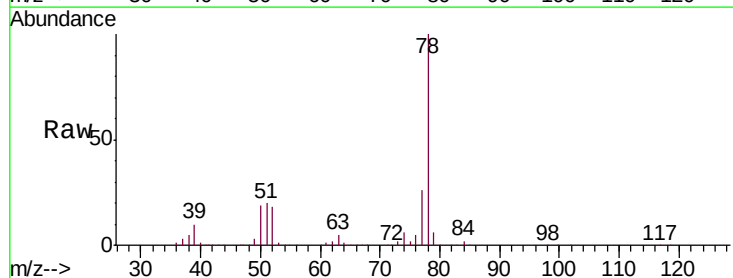
RT: 5.14 min Scan# 1260

Delta R.T. -0.00 min

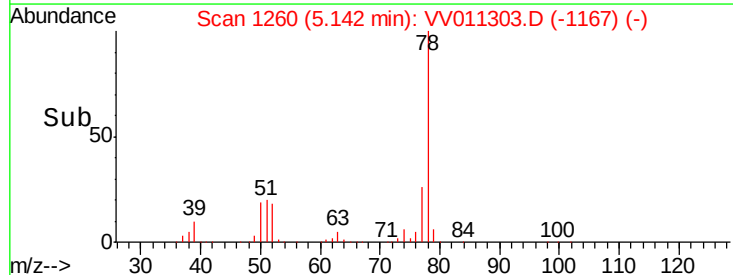
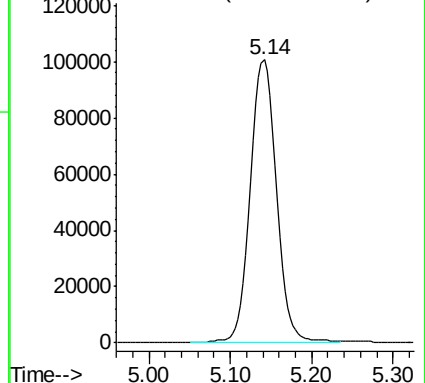
Lab File: VV011303.D

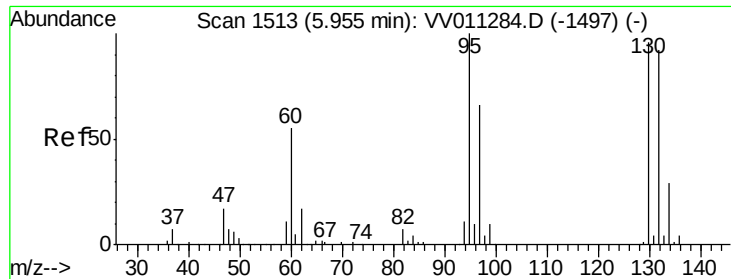
Acq: 07 Jun 2019 22:45

Tgt Ion: 78 Resp: 223225



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 4.587 ug/L

RT: 5.96 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VV011303.D

Acq: 07 Jun 2019 22:45

Instrument :

MSVOA_V

ClientSampleId :

VSTD00534

Tgt Ion: 95 Resp: 57449

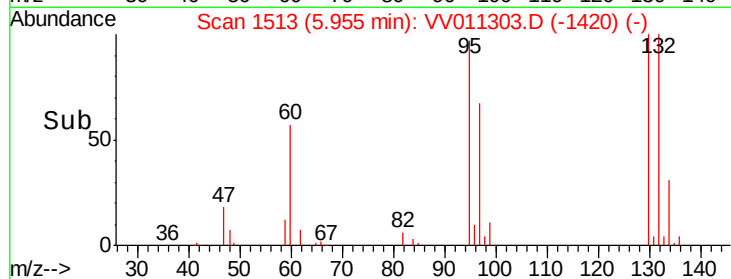
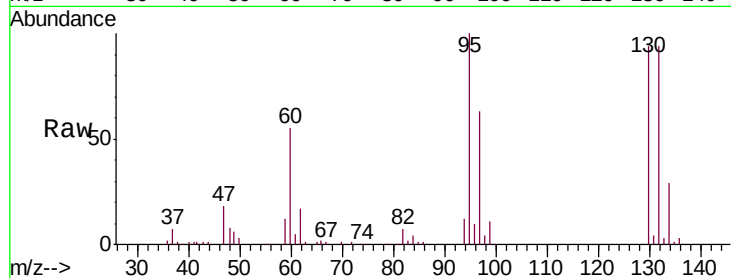
Ion Ratio Lower Upper

95 100

97 63.1 45.8 85.2

132 94.3 66.4 123.2

130 94.2 68.3 126.8

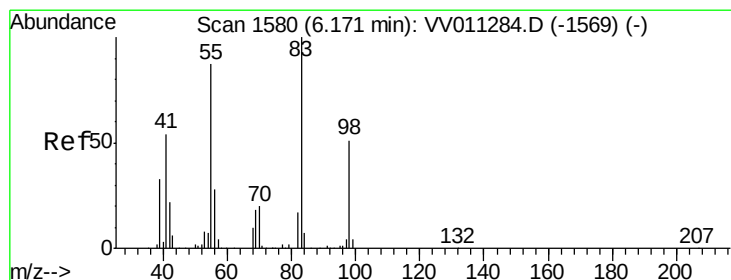
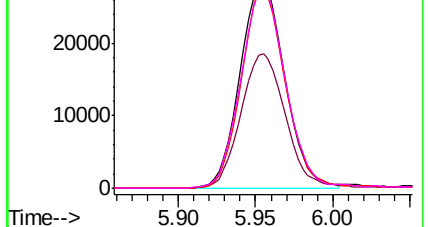


Abundance Ion 95.00 (94.70 to 95.70): VV011303.D (-1420) (-)

Ion 96.95 (96.65 to 97.65): VV011303.D (-1420) (-)

Ion 131.95 (131.65 to 132.65): VV011303.D (-1420) (-)

Ion 129.95 (129.65 to 130.65): VV011303.D (-1420) (-)



#35

Methylcyclohexane

Concen: 4.258 ug/L

RT: 6.17 min Scan# 1580

Delta R.T. -0.00 min

Lab File: VV011303.D

Acq: 07 Jun 2019 22:45

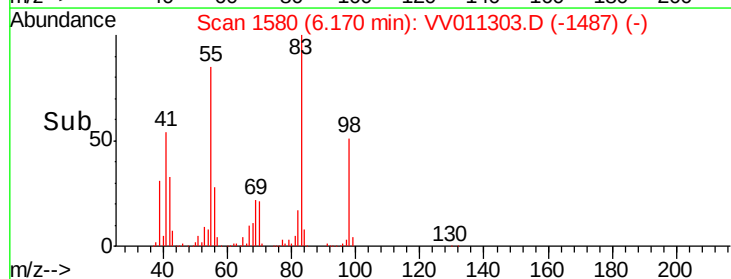
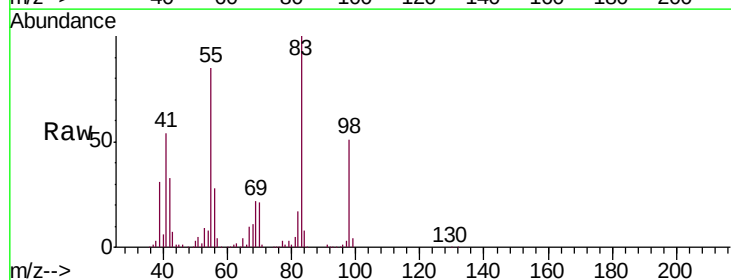
Tgt Ion: 83 Resp: 88207

Ion Ratio Lower Upper

83 100

55 85.5 67.0 100.6

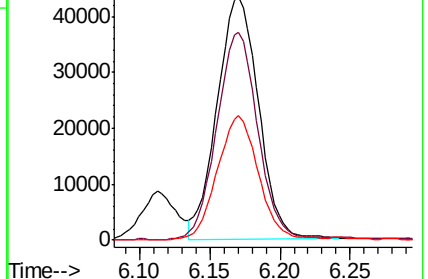
98 51.8 40.0 60.0

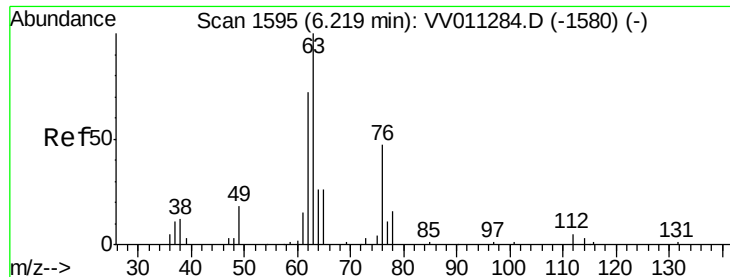


Abundance Ion 83.15 (82.85 to 83.85): VV011303.D (-1487) (-)

Ion 55.10 (54.80 to 55.80): VV011303.D (-1487) (-)

Ion 98.15 (97.85 to 98.85): VV011303.D (-1487) (-)

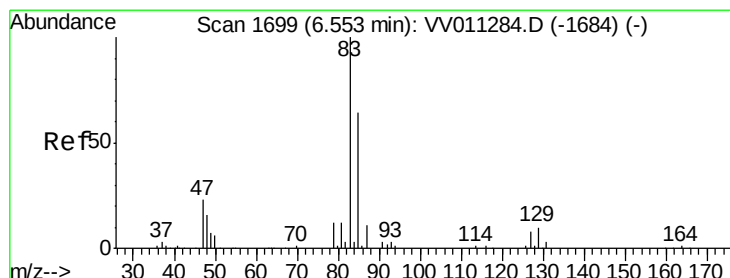
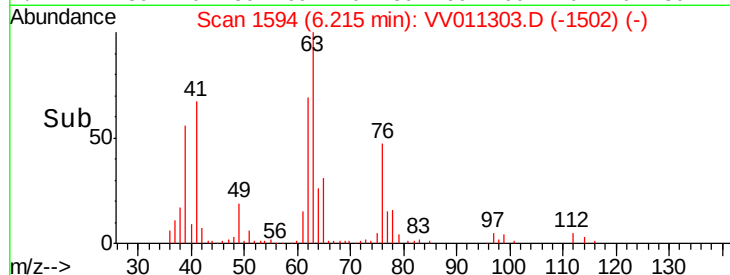
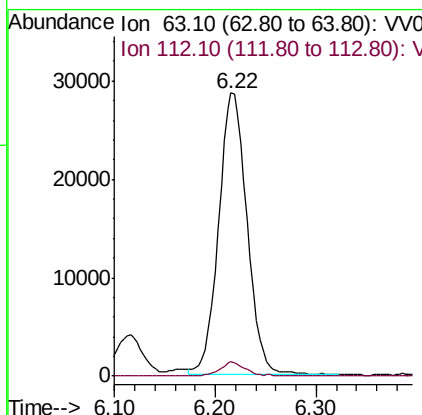
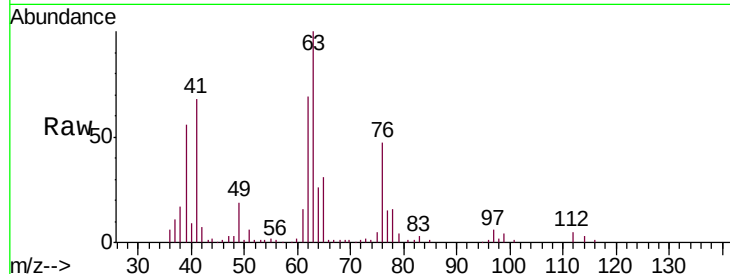




#37
 1,2-Dichloropropane
 Concen: 4.682 ug/L
 RT: 6.22 min Scan# 1594
 Delta R.T. -0.00 min
 Lab File: VV011303.D
 Acq: 07 Jun 2019 22:45

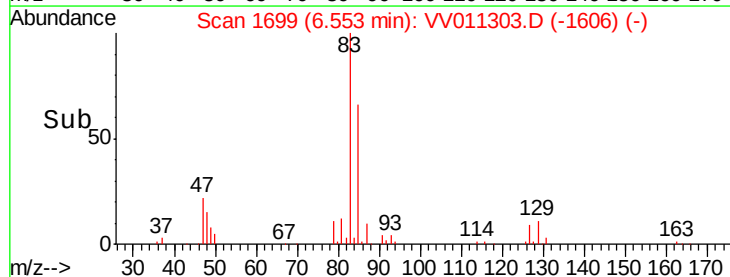
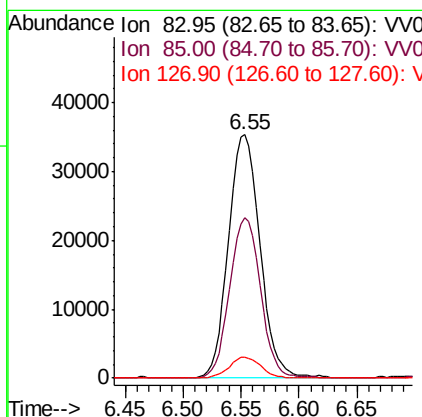
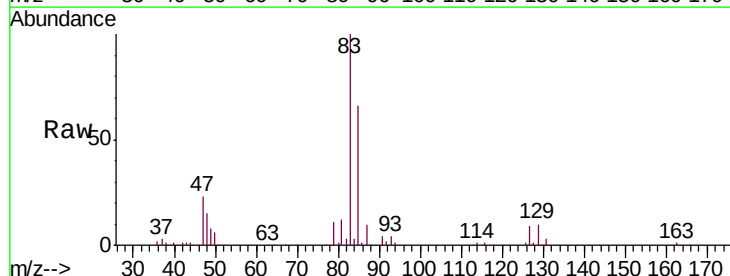
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00534

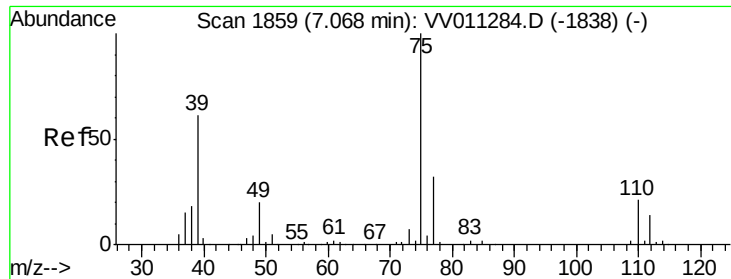
Tgt Ion: 63 Resp: 56497
 Ion Ratio Lower Upper
 63 100
 112 4.5 3.6 5.4



#38
 Bromodichloromethane
 Concen: 4.482 ug/L
 RT: 6.55 min Scan# 1699
 Delta R.T. -0.00 min
 Lab File: VV011303.D
 Acq: 07 Jun 2019 22:45

Tgt Ion: 83 Resp: 66863
 Ion Ratio Lower Upper
 83 100
 85 65.7 44.5 82.7
 127 8.7 7.0 10.4

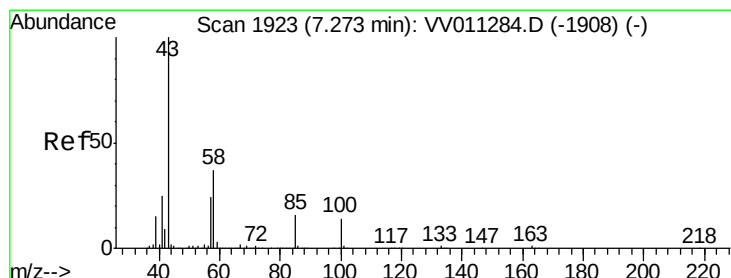
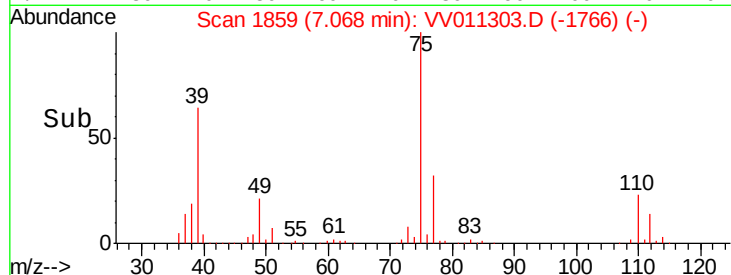
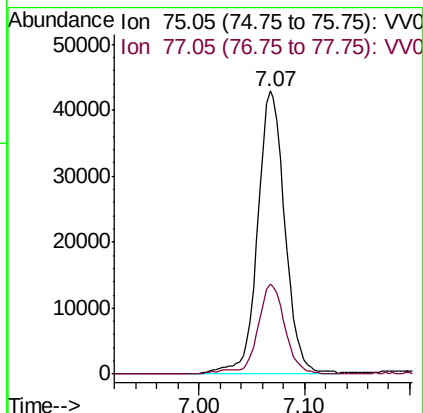
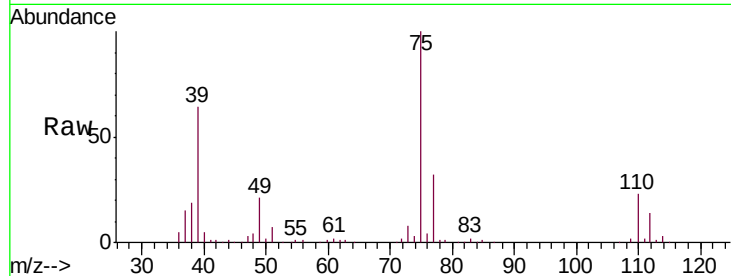




#39
 cis-1,3-Dichloropropene
 Concen: 4.405 ug/L
 RT: 7.07 min Scan# 1859
 Delta R.T. -0.00 min
 Lab File: VV011303.D
 Acq: 07 Jun 2019 22:45

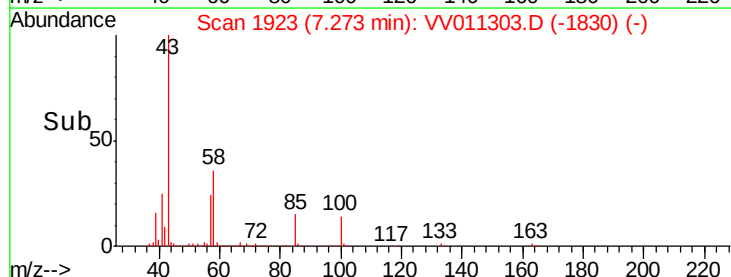
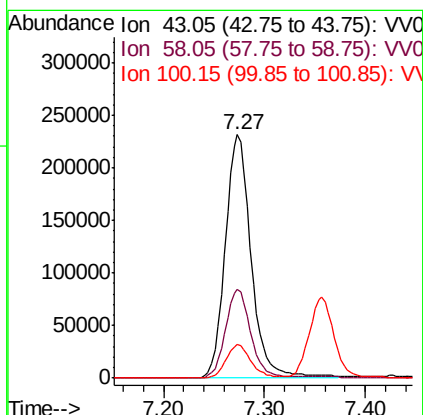
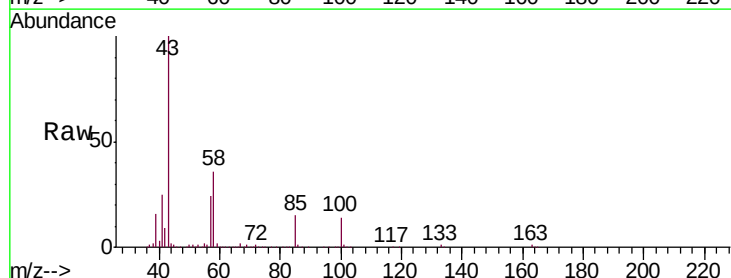
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00534

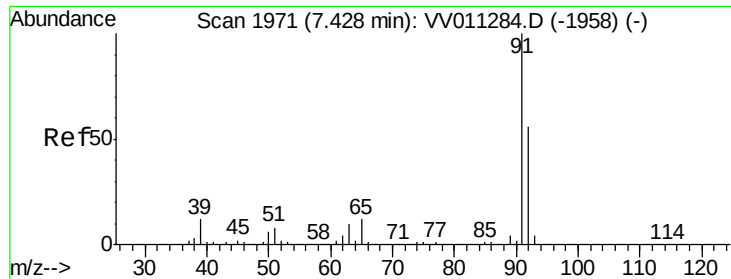
Tgt Ion: 75 Resp: 77766
 Ion Ratio Lower Upper
 75 100
 77 31.7 22.2 41.2



#40
 4-Methyl-2-pentanone
 Concen: 54.197 ug/L
 RT: 7.27 min Scan# 1923
 Delta R.T. -0.00 min
 Lab File: VV011303.D
 Acq: 07 Jun 2019 22:45

Tgt Ion: 43 Resp: 416462
 Ion Ratio Lower Upper
 43 100
 58 35.5 29.3 43.9
 100 13.3 10.6 16.0





#42

Toluene

Concen: 4.791 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. -0.00 min

Lab File: VV011303.D

Acq: 07 Jun 2019 22:45

Instrument :

MSVOA_V

ClientSampleId :

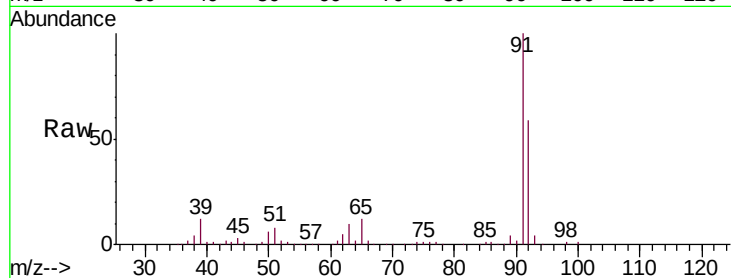
VSTD00534

Tgt Ion: 91 Resp: 247565

Ion Ratio Lower Upper

91 100

92 58.6 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

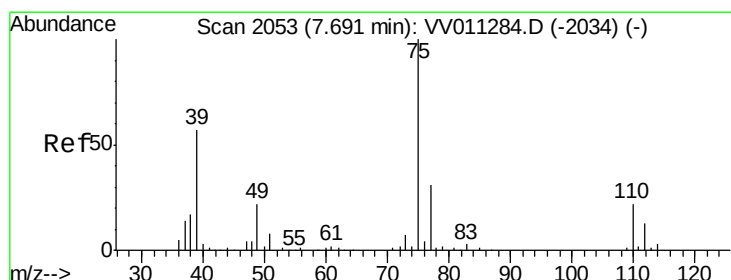
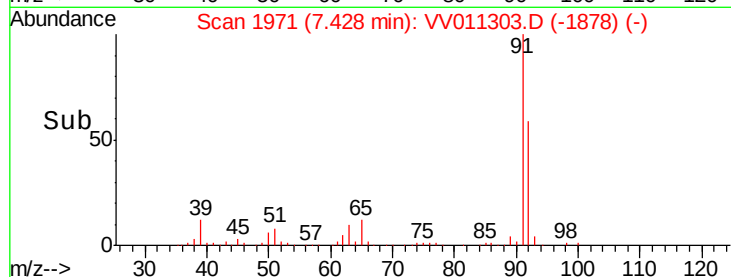
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 4.237 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. -0.00 min

Lab File: VV011303.D

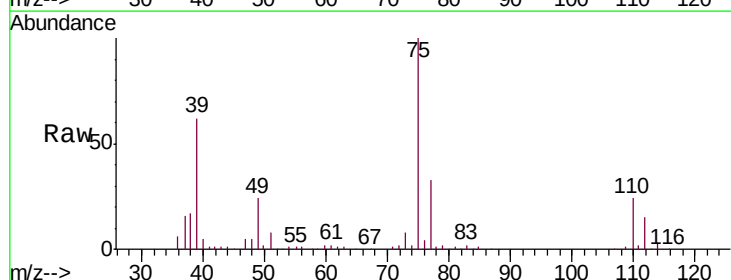
Acq: 07 Jun 2019 22:45

Tgt Ion: 75 Resp: 56866

Ion Ratio Lower Upper

75 100

77 32.7 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

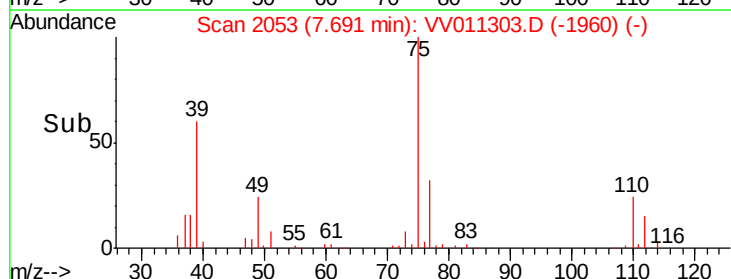
30000

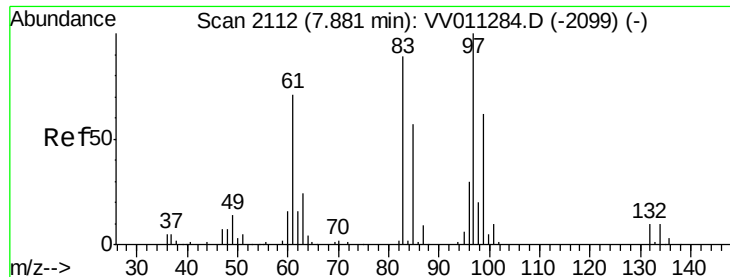
20000

10000

0

Time-->

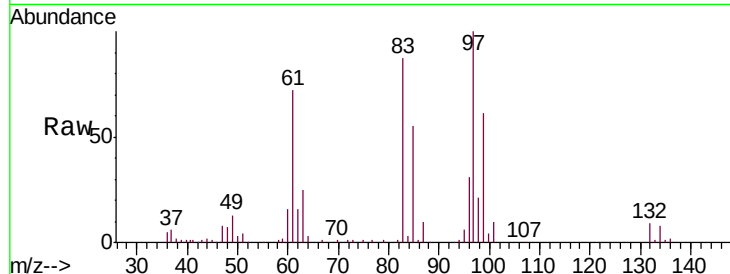




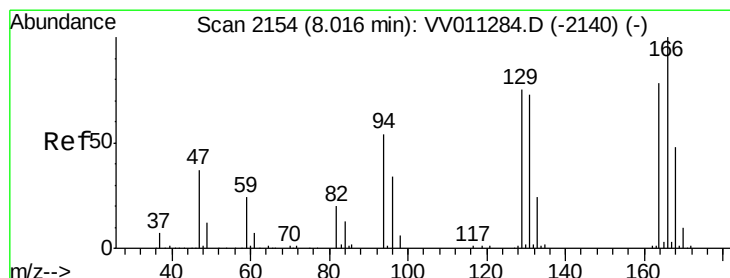
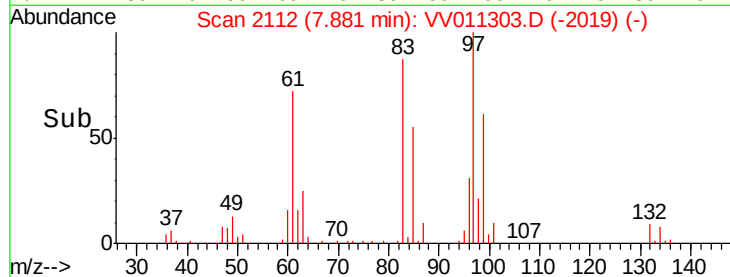
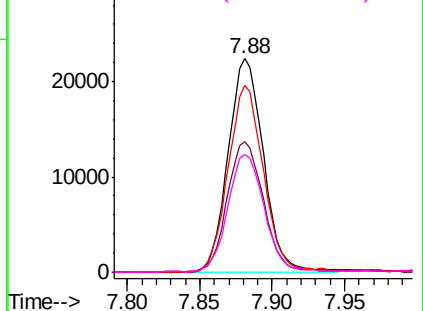
#45
 1,1,2-Trichloroethane
 Concen: 4.913 ug/L
 RT: 7.88 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VV011303.D
 Acq: 07 Jun 2019 22:45

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00534

Tgt Ion:	97	Resp:	37949
Ion	Ratio	Lower	Upper
97	100		
99	61.1	42.1	78.3
83	87.5	59.4	110.2
85	55.2	39.7	73.7

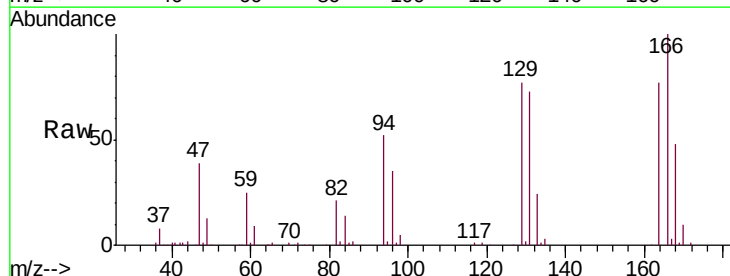


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 82.95 (82.65 to 83.65): VV0
 Ion 85.00 (84.70 to 85.70): VV0

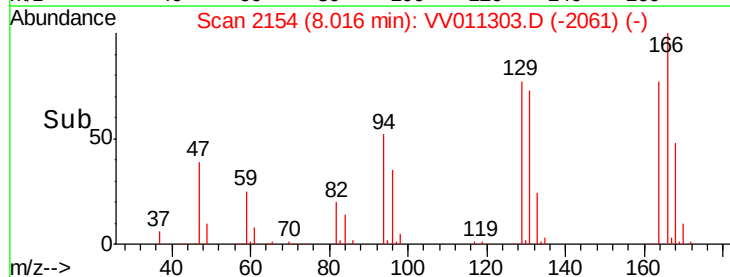
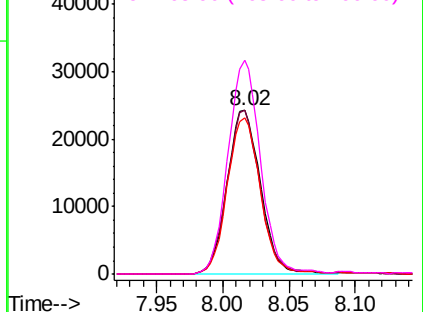


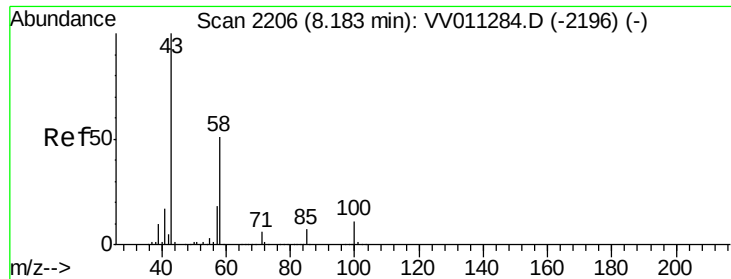
#47
 Tetrachloroethene
 Concen: 4.714 ug/L
 RT: 8.02 min Scan# 2154
 Delta R.T. -0.00 min
 Lab File: VV011303.D
 Acq: 07 Jun 2019 22:45

Tgt Ion:	164	Resp:	42669
Ion	Ratio	Lower	Upper
164	100		
129	100.4	69.9	129.9
131	95.1	66.8	124.2
166	130.4	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

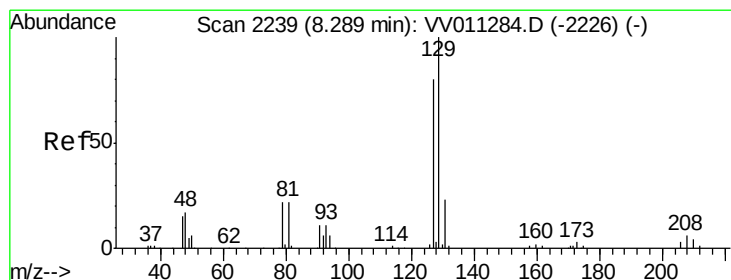
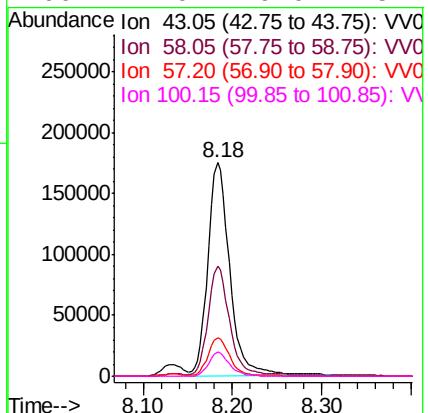
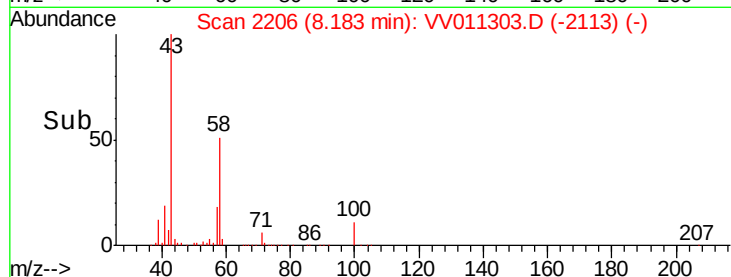
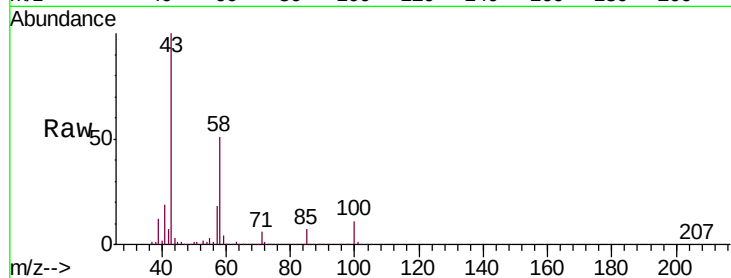




#48
2-Hexanone
Concen: 55.944 ug/L
RT: 8.18 min Scan# 2206
Delta R.T. -0.00 min
Lab File: VV011303.D
Acq: 07 Jun 2019 22:45

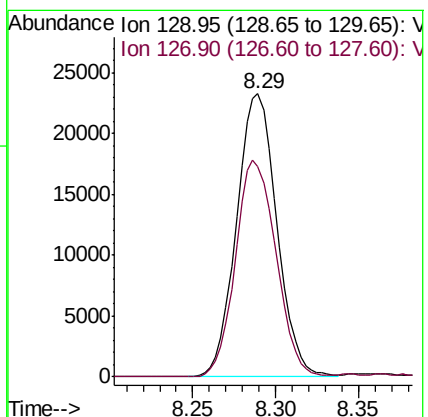
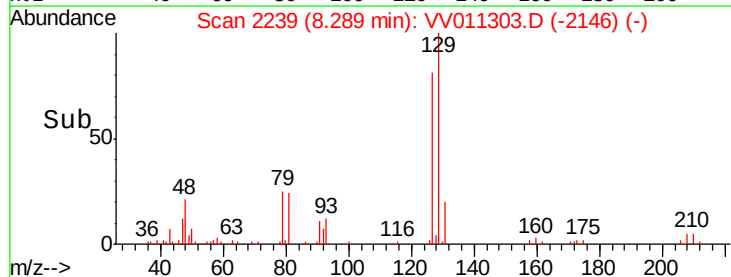
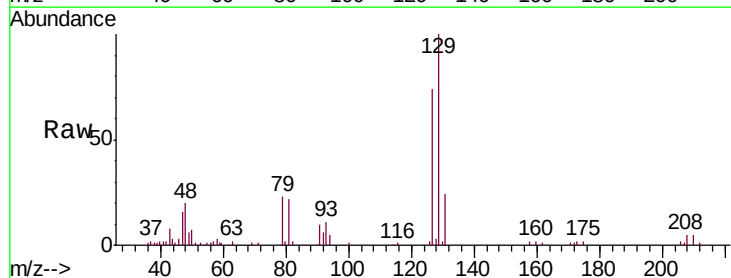
Instrument :
MSVOA_V
ClientSampleId :
VSTD00534

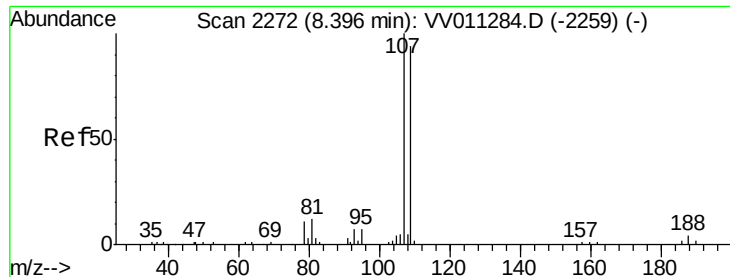
Tgt Ion:	43	Resp:	299815
Ion	Ratio	Lower	Upper
43	100		
58	50.8	41.4	62.0
57	17.7	15.0	22.4
100	11.0	9.0	13.4



#49
Dibromochloromethane
Concen: 4.478 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VV011303.D
Acq: 07 Jun 2019 22:45

Tgt Ion:	129	Resp:	39287
Ion	Ratio	Lower	Upper
129	100		
127	74.3	53.7	99.7

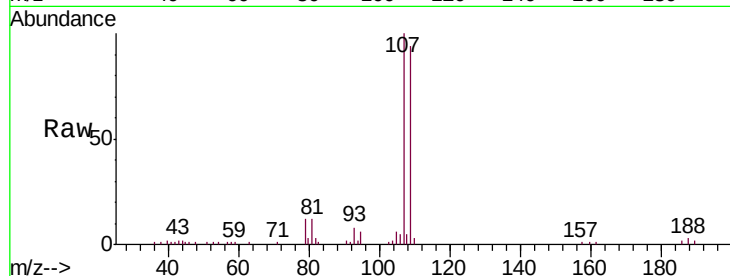




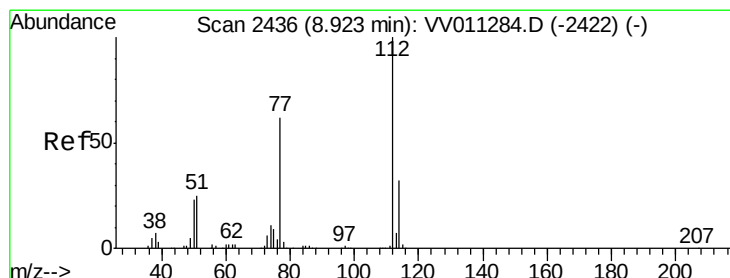
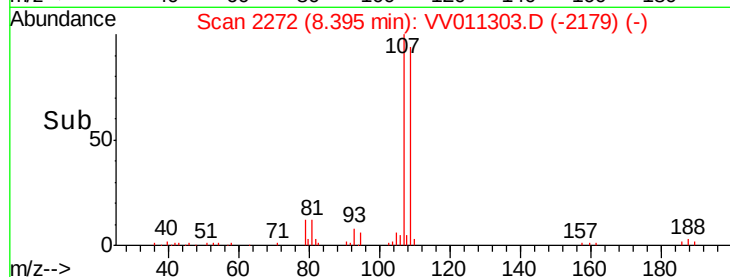
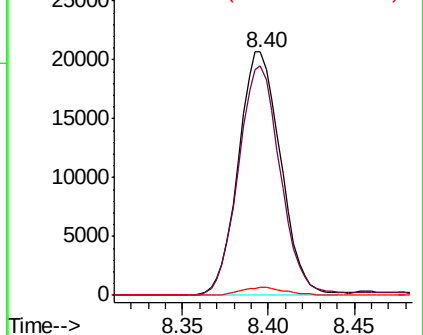
#50
 1,2-Dibromoethane
 Concen: 4.812 ug/L
 RT: 8.40 min Scan# 2272
 Delta R.T. -0.00 min
 Lab File: VV011303.D
 Acq: 07 Jun 2019 22:45

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00534

Tgt Ion:107 Resp: 35329
 Ion Ratio Lower Upper
 107 100
 109 94.4 64.5 119.9
 188 3.1 2.7 4.1

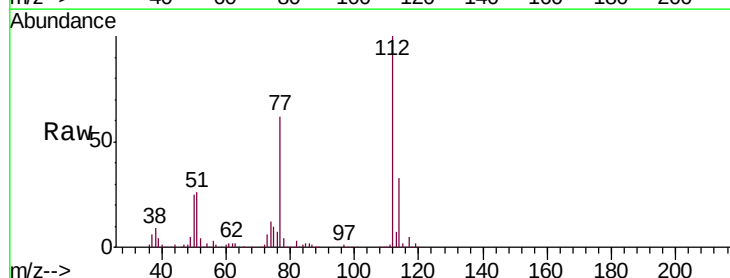


Abundance Ion 106.95 (106.65 to 107.65): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 187.90 (187.60 to 188.60): V

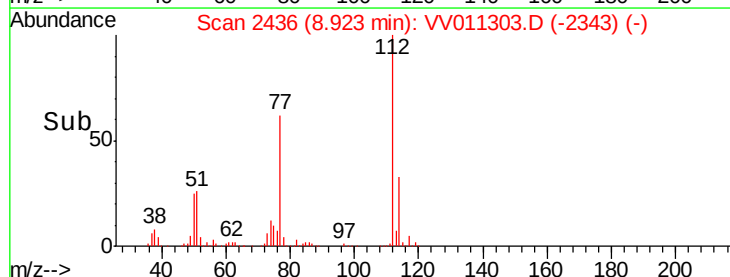
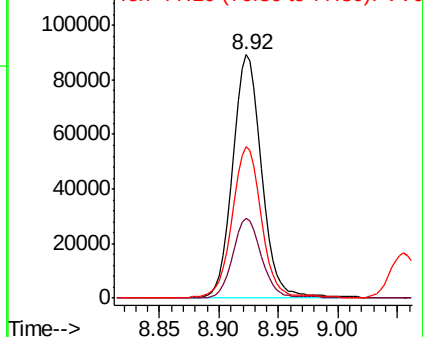


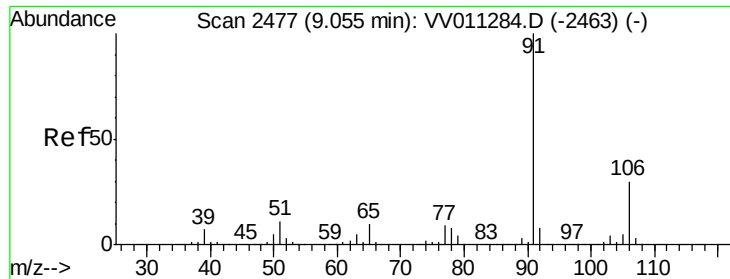
#51
 Chlorobenzene
 Concen: 4.782 ug/L
 RT: 8.92 min Scan# 2436
 Delta R.T. -0.00 min
 Lab File: VV011303.D
 Acq: 07 Jun 2019 22:45

Tgt Ion:112 Resp: 150692
 Ion Ratio Lower Upper
 112 100
 114 32.6 22.6 42.0
 77 62.0 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: 4.789 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. -0.00 min

Lab File: VV011303.D

Acq: 07 Jun 2019 22:45

Instrument :

MSVOA_V

ClientSampleId :

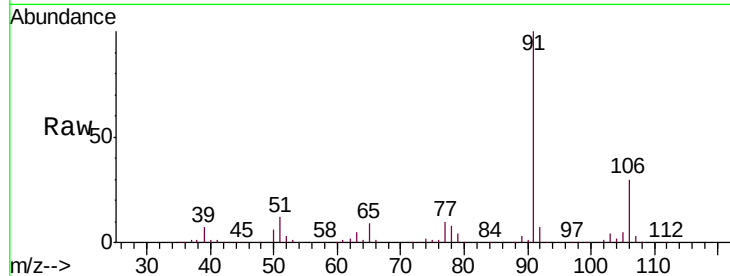
VSTD00534

Tgt Ion: 91 Resp: 274839

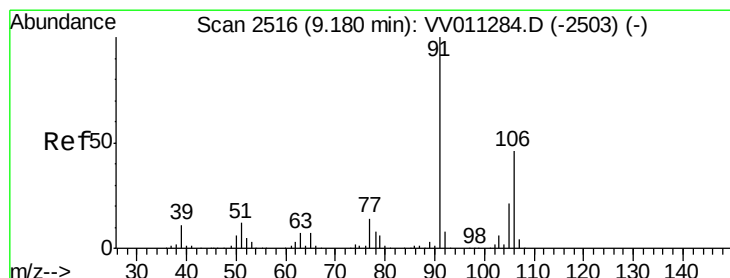
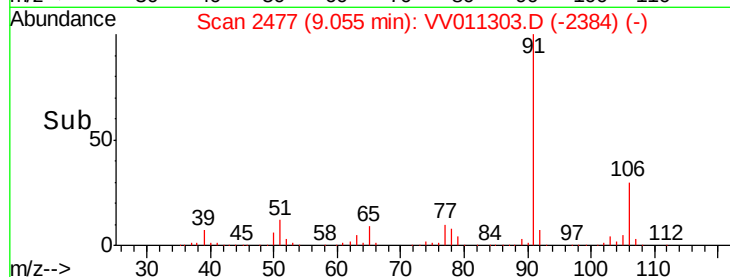
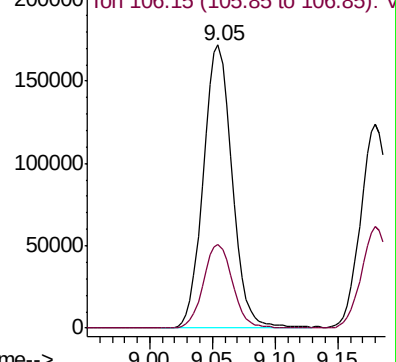
Ion Ratio Lower Upper

91 100

106 29.5 21.5 39.9



Abundance Ion 91.15 (90.85 to 91.85): VV011303.D (-2384) (-)



#53

m,p-xylene

Concen: 4.784 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. -0.00 min

Lab File: VV011303.D

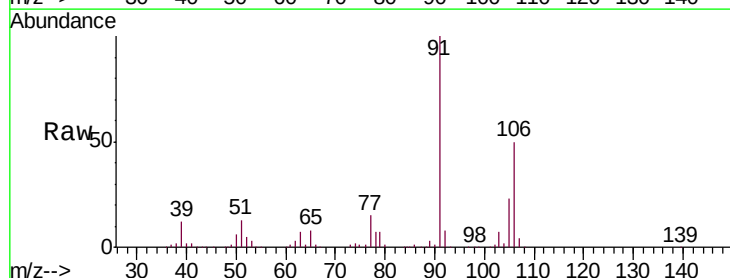
Acq: 07 Jun 2019 22:45

Tgt Ion: 106 Resp: 101516

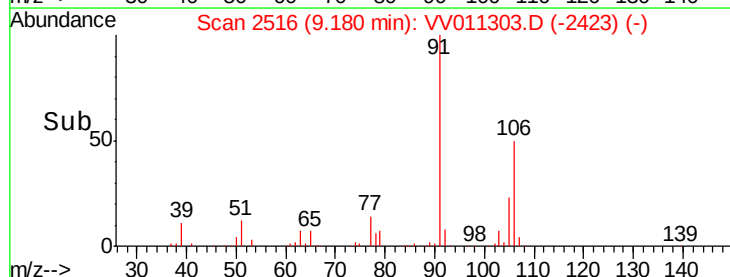
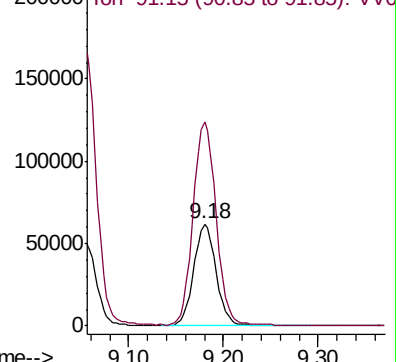
Ion Ratio Lower Upper

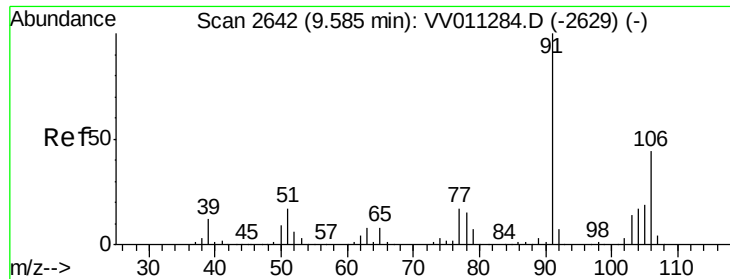
106 100

91 200.8 145.5 270.3



Abundance Ion 106.15 (105.85 to 106.85): VV011303.D (-2423) (-)





#54

o-xylene

Concen: 4.859 ug/L

RT: 9.59 min Scan# 2642

Delta R.T. -0.00 min

Lab File: VV011303.D

Acq: 07 Jun 2019 22:45

Instrument :

MSVOA_V

ClientSampleId :

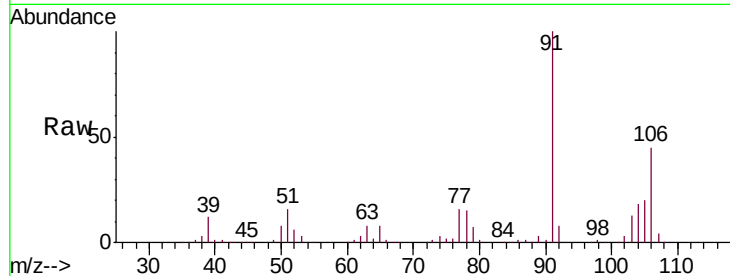
VSTD00534

Tgt Ion:106 Resp: 101199

Ion Ratio Lower Upper

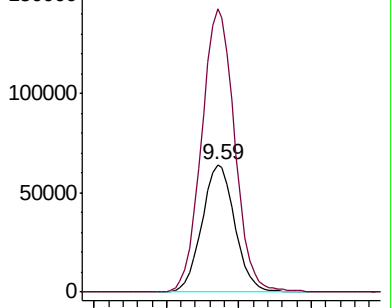
106 100

91 221.4 155.4 288.6

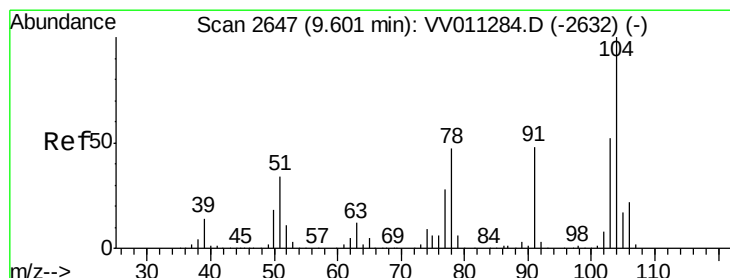
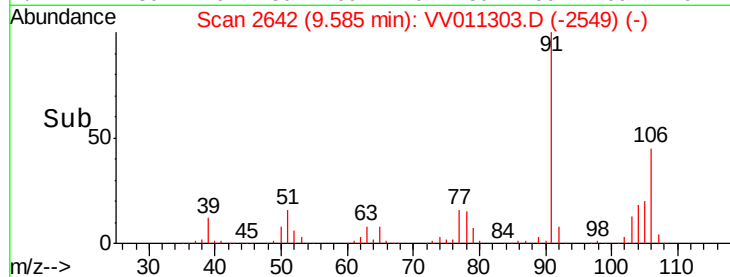


Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



Time--> 9.50 9.55 9.60 9.65



#55

Styrene

Concen: 4.936 ug/L

RT: 9.60 min Scan# 2647

Delta R.T. -0.00 min

Lab File: VV011303.D

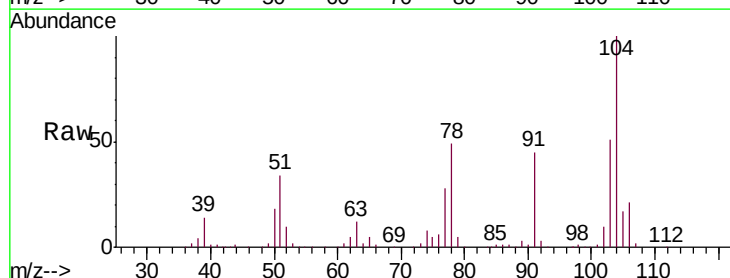
Acq: 07 Jun 2019 22:45

Tgt Ion:104 Resp: 167440

Ion Ratio Lower Upper

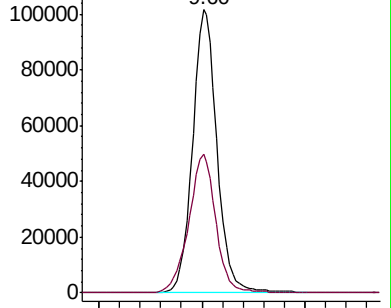
104 100

78 49.0 32.4 60.2

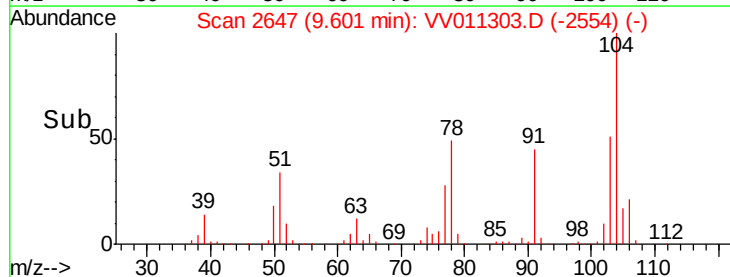


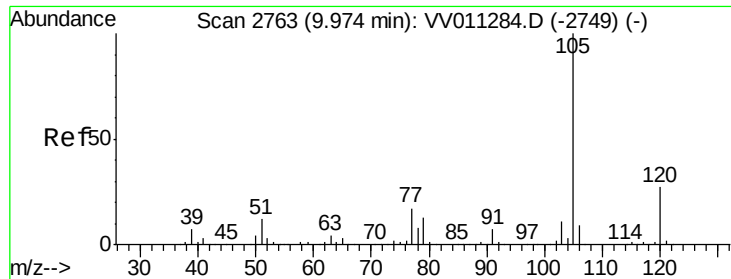
Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0



Time--> 9.50 9.60 9.70





#56

Isopropylbenzene

Concen: 4.817 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. -0.00 min

Lab File: VV011303.D

Acq: 07 Jun 2019 22:45

Instrument :

MSVOA_V

ClientSampleId :

VSTD00534

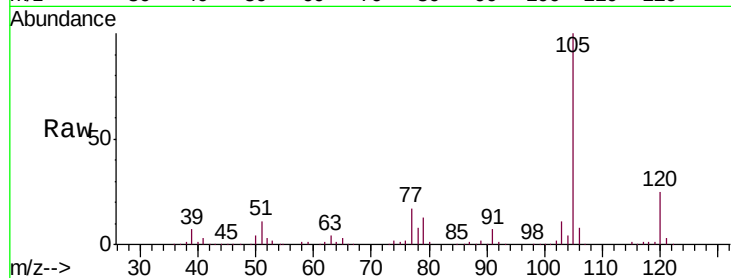
Tgt Ion: 105 Resp: 270015

Ion Ratio Lower Upper

105 100

120 25.3 20.9 31.3

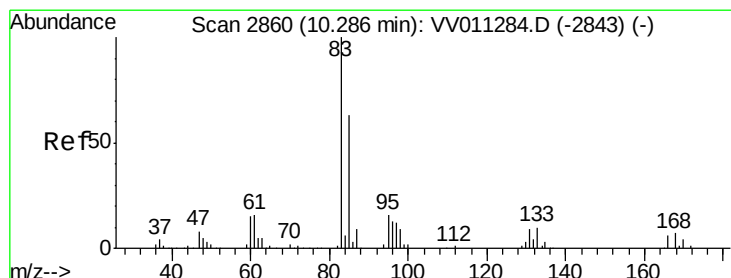
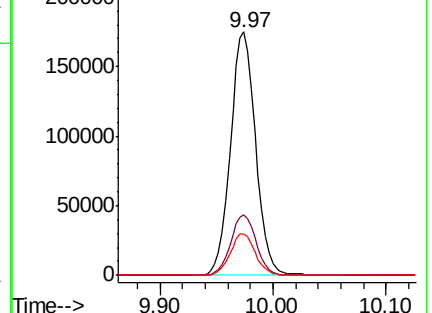
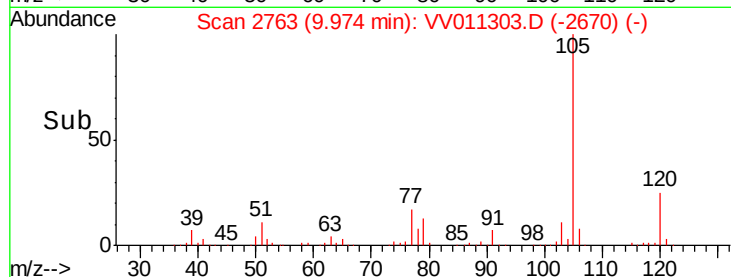
77 17.1 13.8 20.6



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: 5.218 ug/L

RT: 10.29 min Scan# 2860

Delta R.T. -0.00 min

Lab File: VV011303.D

Acq: 07 Jun 2019 22:45

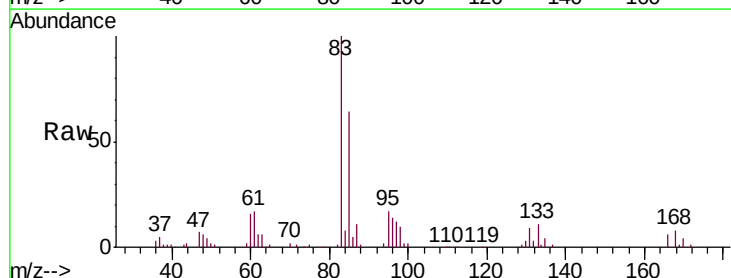
Tgt Ion: 83 Resp: 48868

Ion Ratio Lower Upper

83 100

85 64.3 43.5 80.9

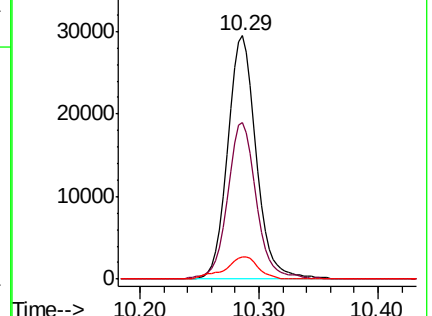
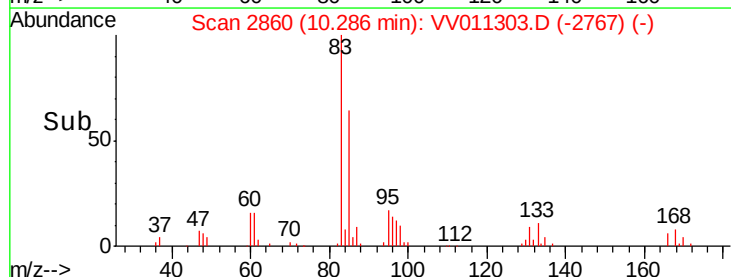
131 9.2 7.5 11.3

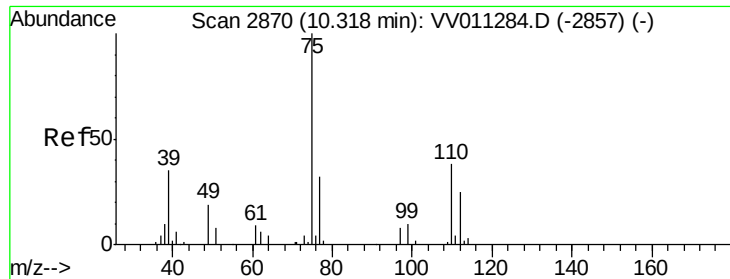


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 5.199 ug/L

RT: 10.32 min Scan# 2870

Delta R.T. -0.00 min

Lab File: VV011303.D

Acq: 07 Jun 2019 22:45

Instrument :

MSVOA_V

ClientSampleId :

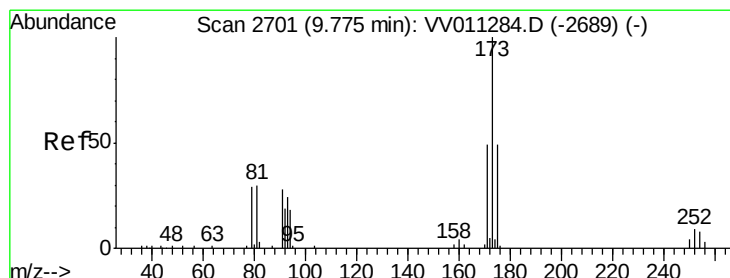
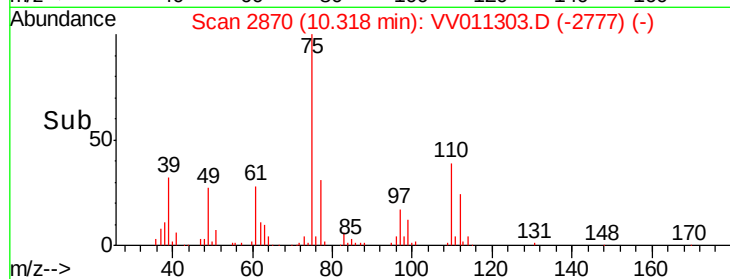
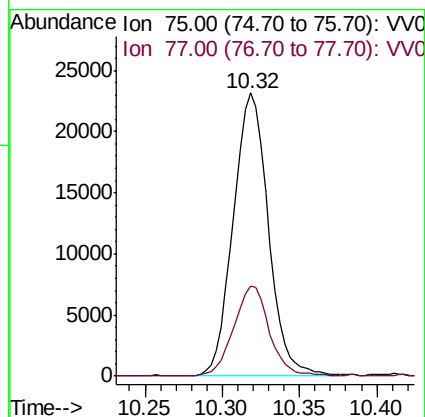
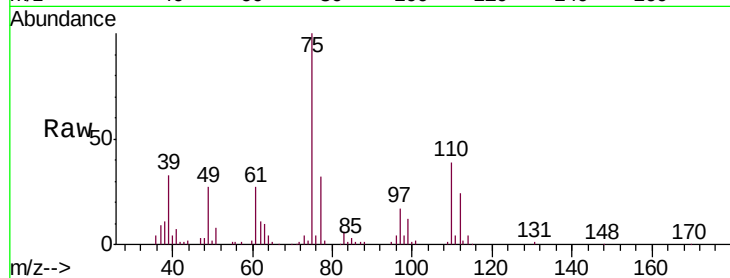
VSTD00534

Tgt Ion: 75 Resp: 36592

Ion Ratio Lower Upper

75 100

77 32.3 26.7 40.1



#61

Bromoform

Concen: 4.596 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. -0.00 min

Lab File: VV011303.D

Acq: 07 Jun 2019 22:45

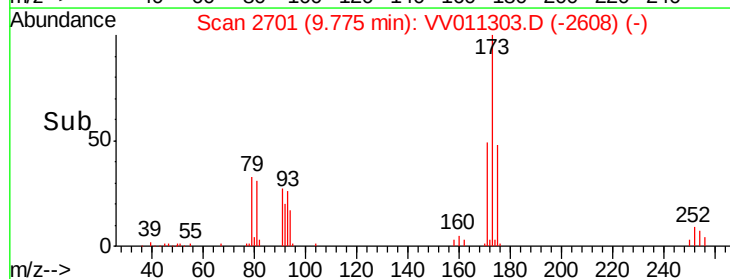
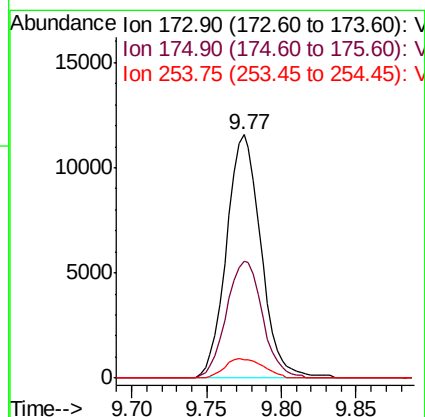
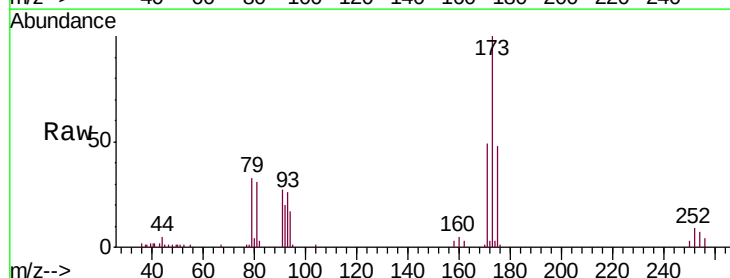
Tgt Ion: 173 Resp: 18603

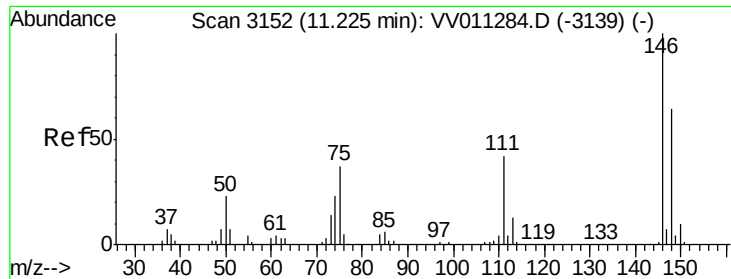
Ion Ratio Lower Upper

173 100

175 50.1 37.0 55.4

254 8.8 6.9 10.3

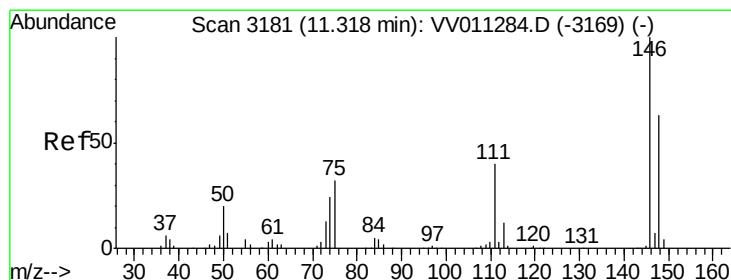
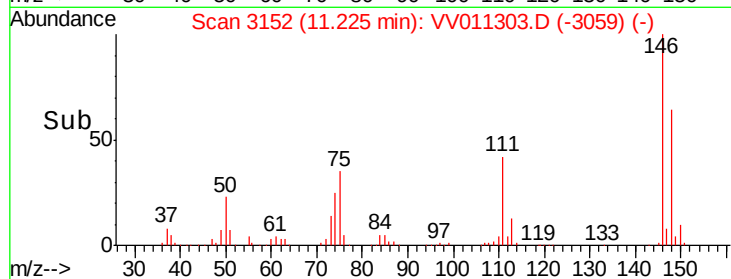
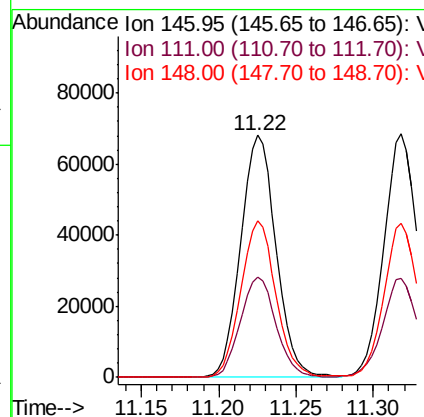
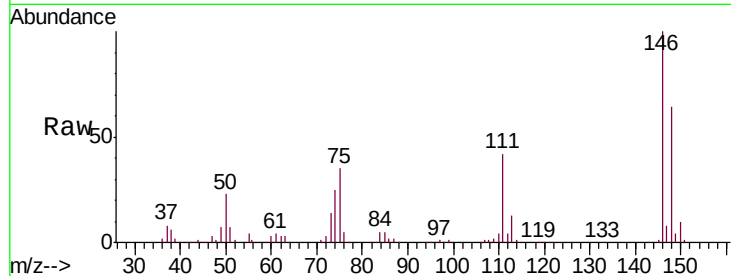




#62
 1,3-Dichlorobenzene
 Concen: 4.855 ug/L
 RT: 11.22 min Scan# 3152
 Delta R.T. -0.00 min
 Lab File: VV011303.D
 Acq: 07 Jun 2019 22:45

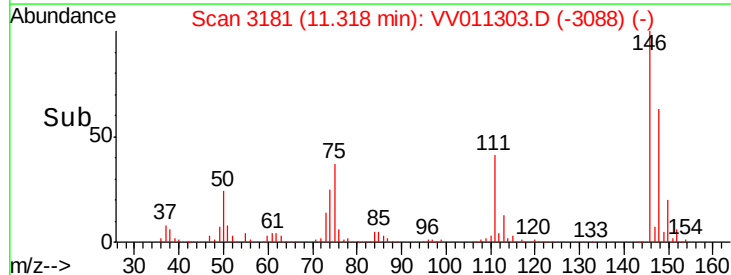
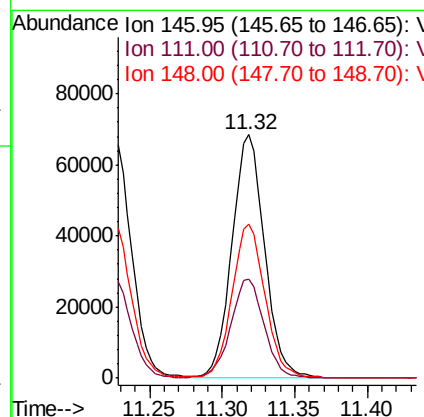
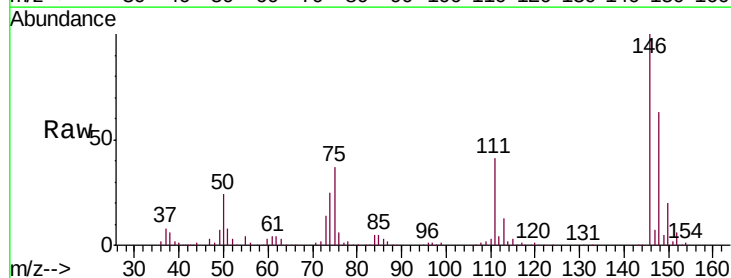
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00534

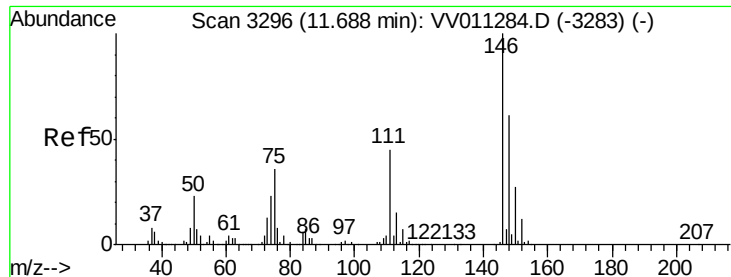
Tgt Ion:146 Resp: 108189
 Ion Ratio Lower Upper
 146 100
 111 41.6 29.0 53.9
 148 64.5 44.0 81.8



#63
 1,4-Dichlorobenzene
 Concen: 4.908 ug/L
 RT: 11.32 min Scan# 3181
 Delta R.T. -0.00 min
 Lab File: VV011303.D
 Acq: 07 Jun 2019 22:45

Tgt Ion:146 Resp: 106154
 Ion Ratio Lower Upper
 146 100
 111 40.8 28.3 52.5
 148 63.3 44.6 82.8

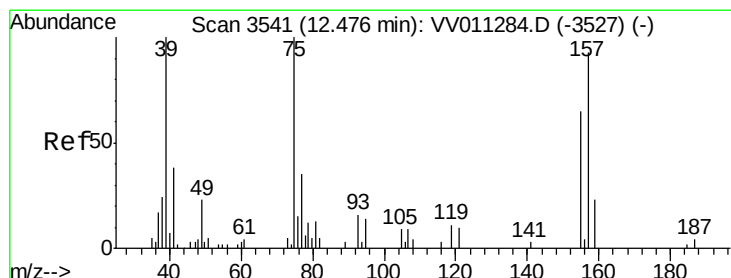
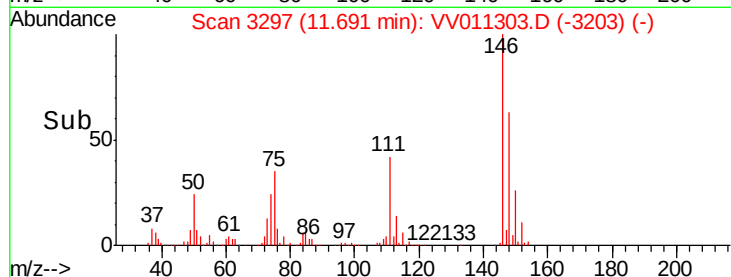
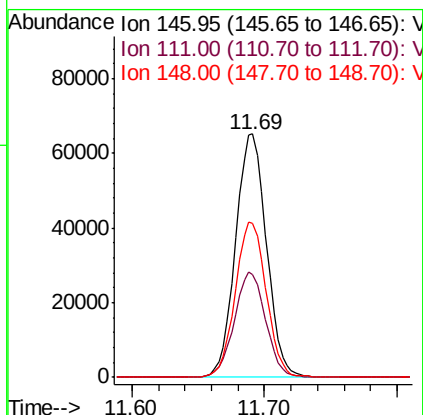
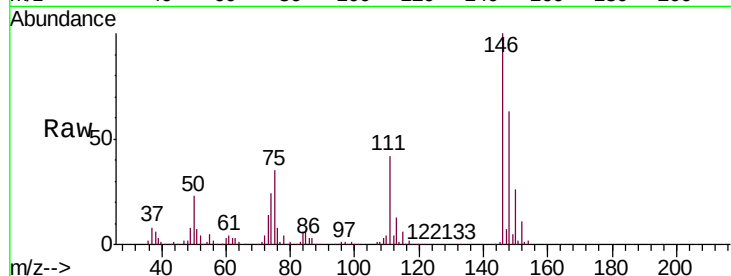




#65
 1,2-Dichlorobenzene
 Concen: 5.121 ug/L
 RT: 11.69 min Scan# 3297
 Delta R.T. 0.00 min
 Lab File: VV011303.D
 Acq: 07 Jun 2019 22:45

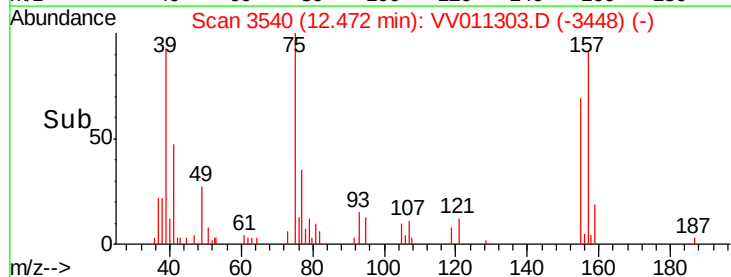
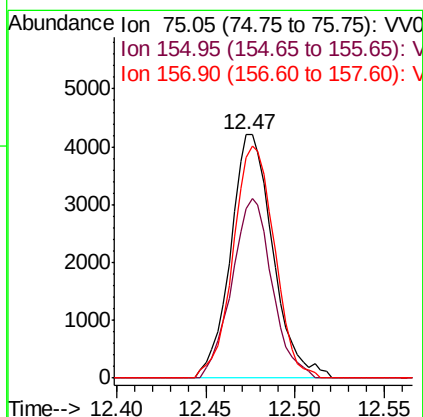
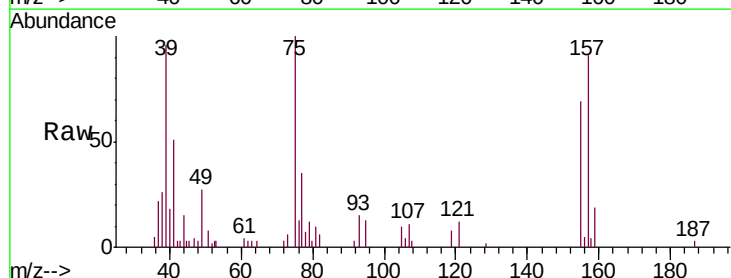
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00534

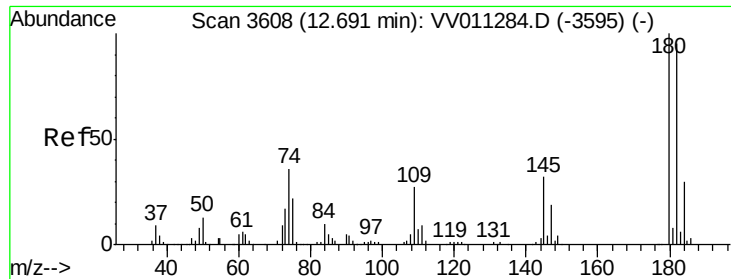
Tgt Ion: 146 Resp: 105463
 Ion Ratio Lower Upper
 146 100
 111 42.1 33.9 50.9
 148 63.2 50.3 75.5



#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.704 ug/L
 RT: 12.47 min Scan# 3540
 Delta R.T. -0.00 min
 Lab File: VV011303.D
 Acq: 07 Jun 2019 22:45

Tgt Ion: 75 Resp: 6942
 Ion Ratio Lower Upper
 75 100
 155 69.3 64.4 96.6
 157 90.8 66.7 100.1

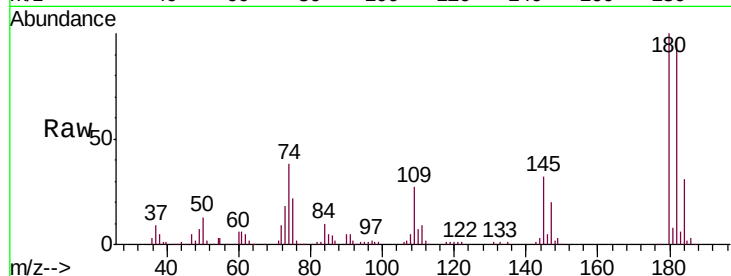




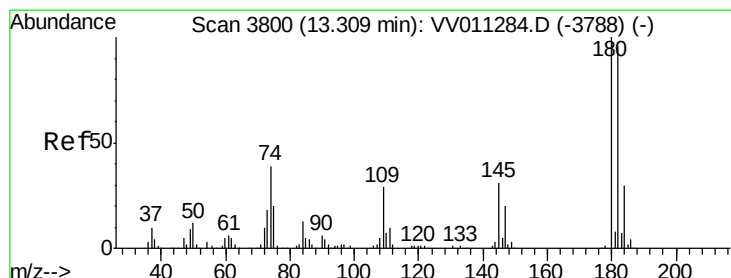
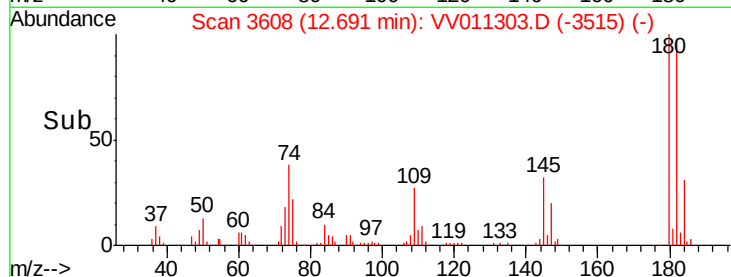
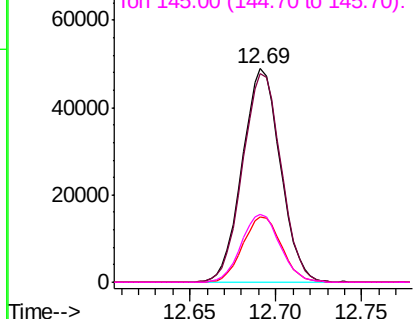
#67
 1,3,5-Trichlorobenzene
 Concen: 4.693 ug/L
 RT: 12.69 min Scan# 3608
 Delta R.T. -0.00 min
 Lab File: VV011303.D
 Acq: 07 Jun 2019 22:45

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00534

Tgt Ion:	180	Resp:	75223
Ion	Ratio	Lower	Upper
180	100		
182	98.7	76.7	115.1
184	31.3	23.8	35.8
145	32.4	24.2	36.2

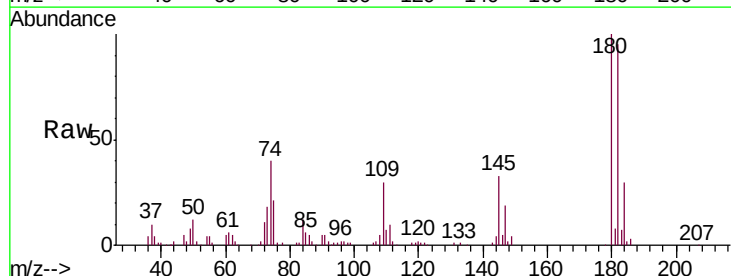


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

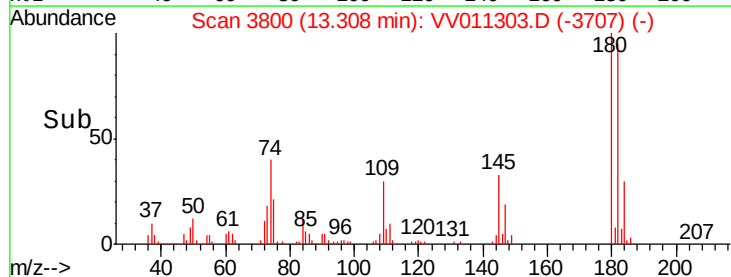
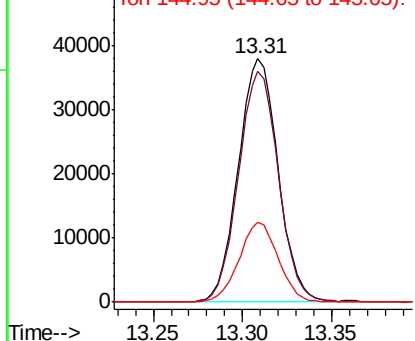


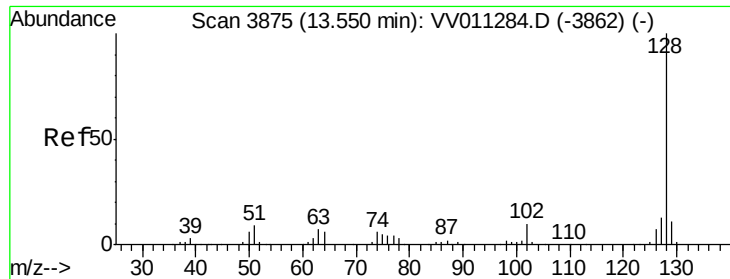
#68
 1,2,4-trichlorobenzene
 Concen: 4.848 ug/L
 RT: 13.31 min Scan# 3800
 Delta R.T. -0.00 min
 Lab File: VV011303.D
 Acq: 07 Jun 2019 22:45

Tgt Ion:	180	Resp:	59003
Ion	Ratio	Lower	Upper
180	100		
182	95.0	78.8	118.2
145	32.1	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: 5.390 ug/L

RT: 13.55 min Scan# 3875

Delta R.T. -0.00 min

Lab File: VV011303.D

Acq: 07 Jun 2019 22:45

Instrument :

MSVOA_V

ClientSampleId :

VSTD00534

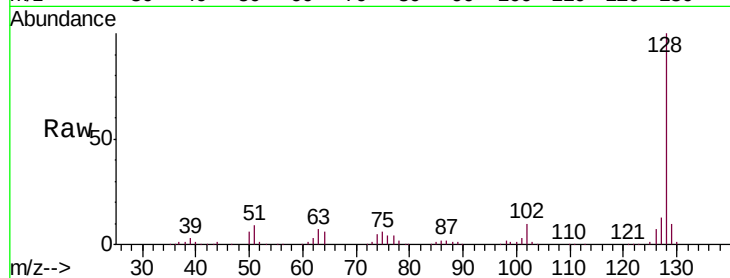
Tgt Ion:128 Resp: 107380

Ion Ratio Lower Upper

128 100

129 10.9 8.9 13.3

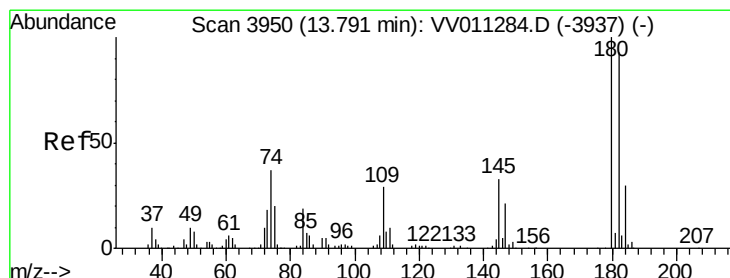
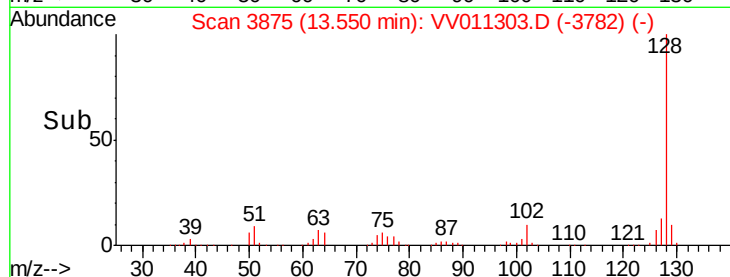
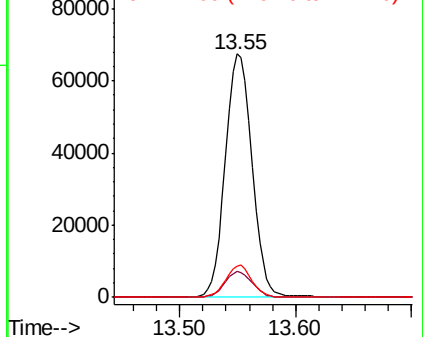
127 12.9 10.5 15.7



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: 5.178 ug/L

RT: 13.79 min Scan# 3950

Delta R.T. -0.00 min

Lab File: VV011303.D

Acq: 07 Jun 2019 22:45

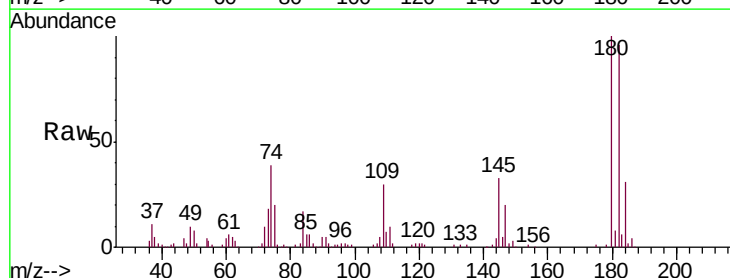
Tgt Ion:180 Resp: 56513

Ion Ratio Lower Upper

180 100

182 96.1 78.6 117.8

145 33.7 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

