

Data File : VV011284.D
Acq On : 07 Jun 2019 11:26
Operator : SY/MD
Sample : VSTDCCC005
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD00533

Quant Time: Jun 08 00:05:15 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR060419WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Jun 08 00:01:28 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	158790	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	153057	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	71035	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	49033	4.08	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	81.60%
7) Chloroethane-d5	1.55	69	41974	4.20	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	84.00%
11) 1,1-Dichloroethene-d2	2.12	63	106485	4.43	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	88.60%
20) 2-Butanone-d5	3.94	46	152303	56.22	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	112.44%
24) Chloroform-d	4.40	84	99771	4.71	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.20%
26) 1,2-Dichloroethane-d4	5.08	65	54858	4.79	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.80%
32) Benzene-d6	5.09	84	192914	4.21	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.20%
36) 1,2-Dichloropropane-d6	6.12	67	60569	4.29	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	85.80%
41) Toluene-d8	7.36	98	178773	4.25	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.00%
43) trans-1,3-Dichloropropene-	7.66	79	21898	4.07	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	81.40%
46) 2-Hexanone-d5	8.13	63	126046	55.49	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	110.98%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	48469	5.04	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.80%
64) 1,2-Dichlorobenzene-d4	11.67	152	62309	4.44	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	88.80%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	74506	4.758	ug/L 100
3) Chloromethane	1.25	50	75431	4.982	ug/L 98
5) Vinyl chloride	1.32	62	74027	5.067	ug/L 94
6) Bromomethane	1.51	94	27021	3.555	ug/L 97
8) Chloroethane	1.57	64	45100	4.831	ug/L 94
9) Trichlorofluoromethane	1.75	101	98515	4.912	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	54160	5.262	ug/L 99
12) 1,1-Dichloroethene	2.13	96	50325	5.030	ug/L 99
13) Acetone	2.19	43	108804	59.907	ug/L 100
14) Carbon disulfide	2.31	76	139560	4.599	ug/L 100
15) Methyl Acetate	2.46	43	26860	5.568	ug/L 96
16) Methylene chloride	2.53	84	52935	5.135	ug/L 99
17) Methyl tert-butyl Ether	2.81	73	135098	5.059	ug/L 100
18) trans-1,2-Dichloroethene	2.78	96	55485	4.953	ug/L 98
19) 1,1-Dichloroethane	3.22	63	107305	4.856	ug/L 99
21) 2-Butanone	4.02	43	166356	59.477	ug/L 96
22) cis-1,2-Dichloroethene	3.96	96	60073	4.843	ug/L # 95

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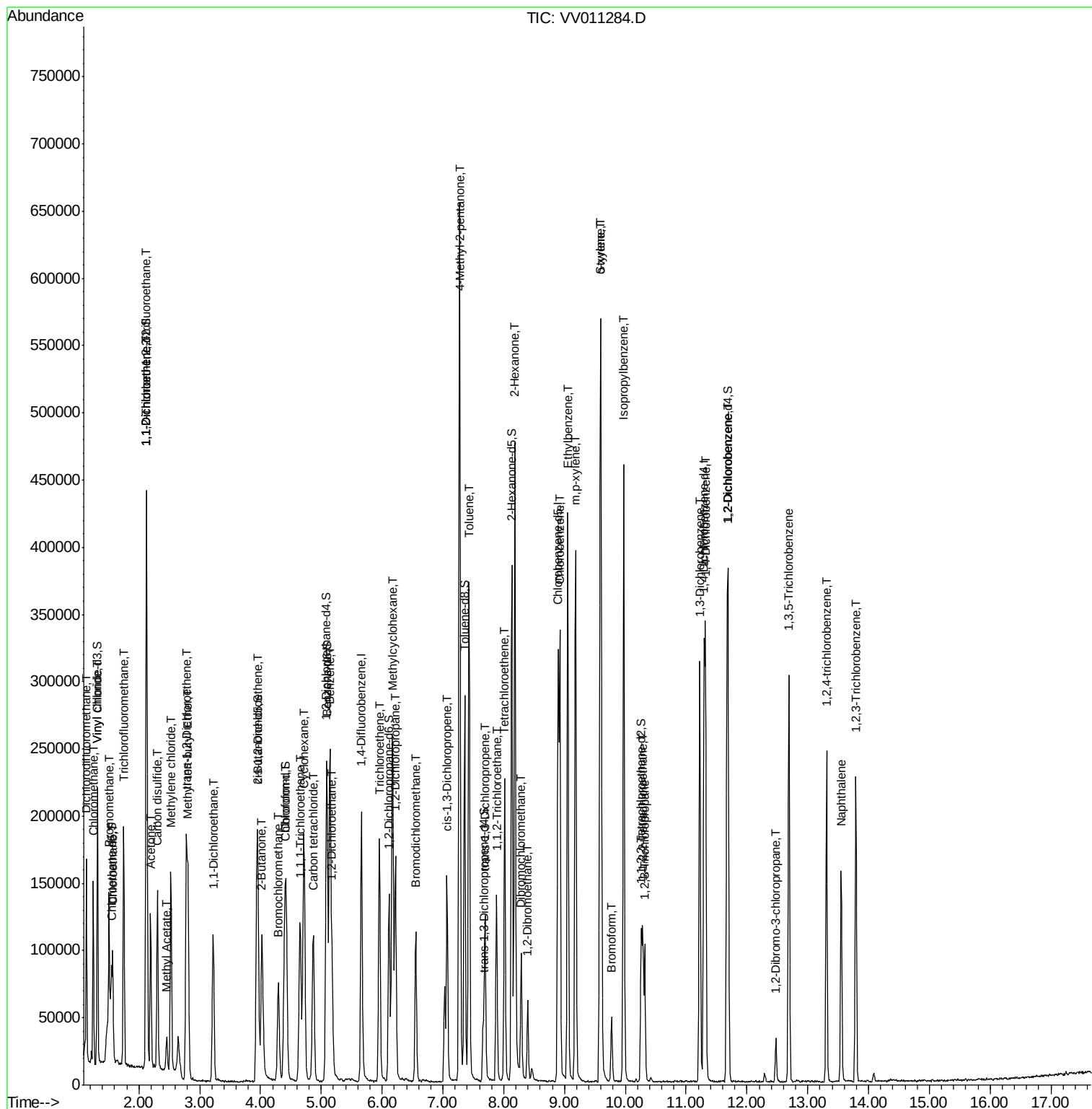
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.29	128	22448	4.721	ug/L	93
25) Chloroform	4.42	83	105322	4.616	ug/L	94
27) 1,2-Dichloroethane	5.18	62	71462	5.125	ug/L	97
29) 1,1,1-Trichloroethane	4.65	97	89266	4.573	ug/L	99
30) Cyclohexane	4.71	56	99528	4.598	ug/L	98
31) Carbon tetrachloride	4.87	117	75521	4.629	ug/L	97
33) Benzene	5.14	78	229217	4.706	ug/L	100
34) Trichloroethene	5.96	95	59565	4.734	ug/L	98
35) Methylcyclohexane	6.17	83	97930	4.706	ug/L	100
37) 1,2-Dichloropropane	6.22	63	58387	4.817	ug/L	99
38) Bromodichloromethane	6.55	83	69141	4.614	ug/L	99
39) cis-1,3-Dichloropropene	7.07	75	80221	4.523	ug/L	98
40) 4-Methyl-2-pentanone	7.27	43	428302	55.485	ug/L	100
42) Toluene	7.43	91	254475	4.902	ug/L	98
44) trans-1,3-Dichloropropene	7.69	75	61832	4.586	ug/L	96
45) 1,1,2-Trichloroethane	7.88	97	39390	5.077	ug/L	97
47) Tetrachloroethene	8.02	164	43939	4.832	ug/L	98
48) 2-Hexanone	8.18	43	303388	56.355	ug/L	98
49) Dibromochloromethane	8.29	129	40987	4.650	ug/L	96
50) 1,2-Dibromoethane	8.40	107	36061	4.889	ug/L	98
51) Chlorobenzene	8.92	112	154614	4.884	ug/L	99
52) Ethylbenzene	9.05	91	282439	4.899	ug/L	99
53) m,p-xylene	9.18	106	104285	4.892	ug/L	94
54) o-xylene	9.59	106	105103	5.024	ug/L	97
55) Styrene	9.60	104	170147	4.994	ug/L	98
56) Isopropylbenzene	9.97	105	277605	4.930	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.29	83	50634	5.383	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	38025	5.378	ug/L	99
61) Bromoform	9.77	173	18893	4.428	ug/L	93
62) 1,3-Dichlorobenzene	11.23	146	112844	4.804	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	111887	4.907	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	109846	5.059	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.48	75	7373	4.739	ug/L	86
67) 1,3,5-Trichlorobenzene	12.69	180	83249	4.926	ug/L	98
68) 1,2,4-trichlorobenzene	13.31	180	62356	4.860	ug/L	99
69) Naphthalene	13.55	128	113169	5.389	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	59748	5.193	ug/L	97

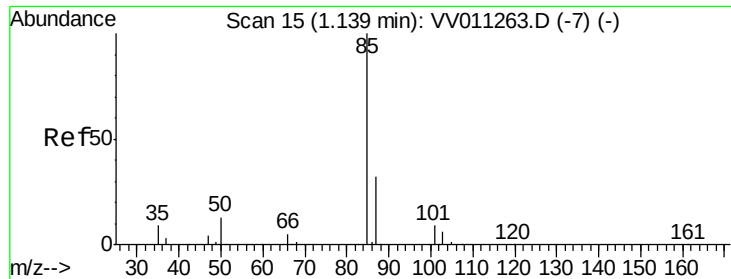
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 4.758 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV011284.D

Acq: 07 Jun 2019 11:26

Instrument :

MSVOA_V

ClientSampleId :

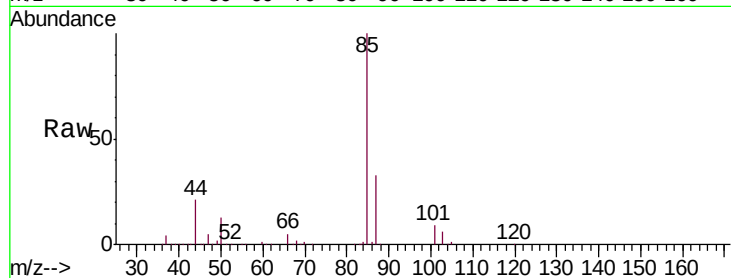
VSTD00533

Tgt Ion: 85 Resp: 74506

Ion Ratio Lower Upper

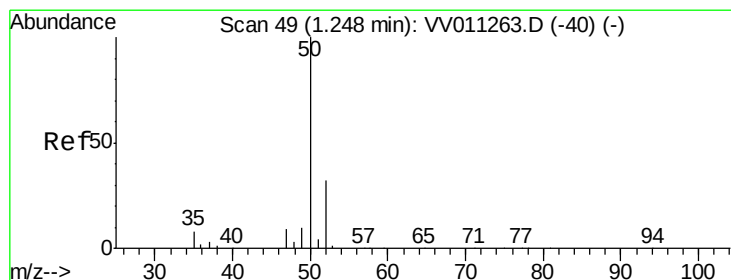
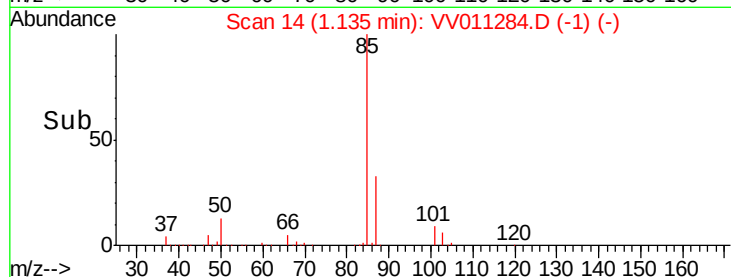
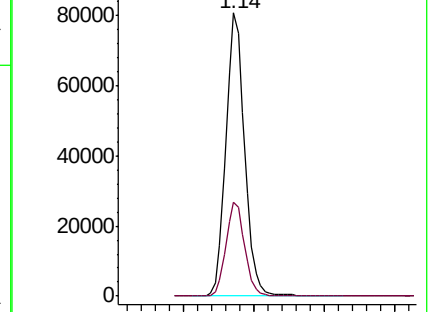
85 100

87 33.1 26.5 39.7



Abundance Ion 85.00 (84.70 to 85.70): VV011263.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VV011263.D (-7) (-)



#3

Chloromethane

Concen: 4.982 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV011284.D

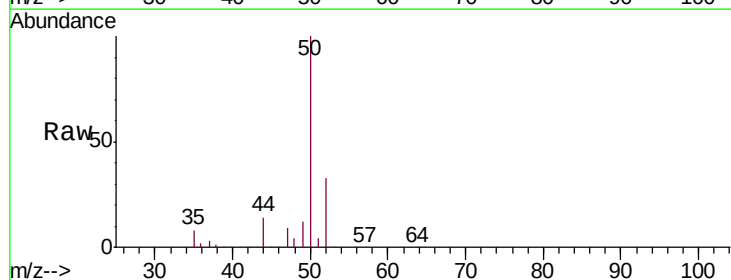
Acq: 07 Jun 2019 11:26

Tgt Ion: 50 Resp: 75431

Ion Ratio Lower Upper

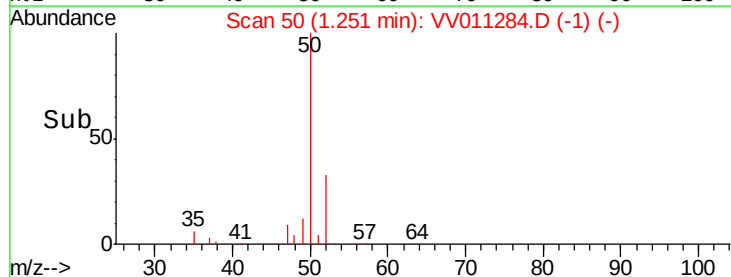
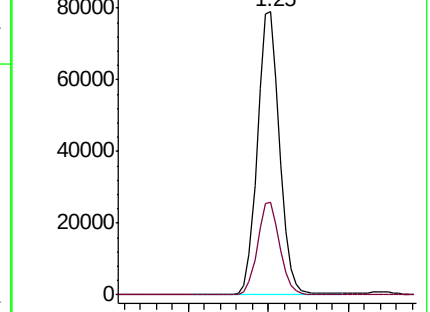
50 100

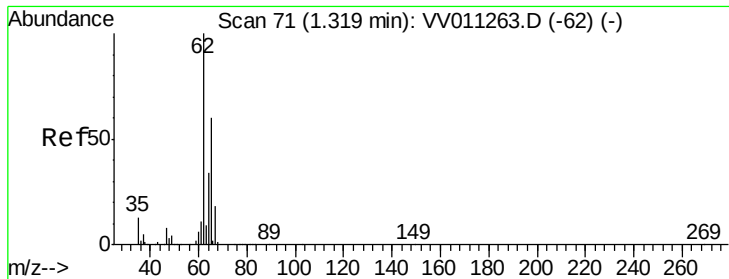
52 32.7 22.3 41.5



Abundance Ion 50.05 (49.75 to 50.75): VV011263.D (-40) (-)

Ion 52.05 (51.75 to 52.75): VV011263.D (-40) (-)





#5

Vinyl chloride

Concen: 5.067 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV011284.D

Acq: 07 Jun 2019 11:26

Instrument :

MSVOA_V

ClientSampleId :

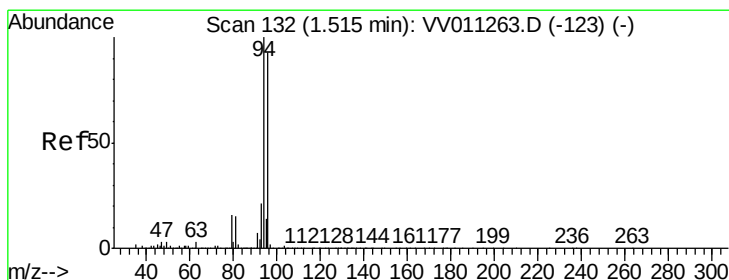
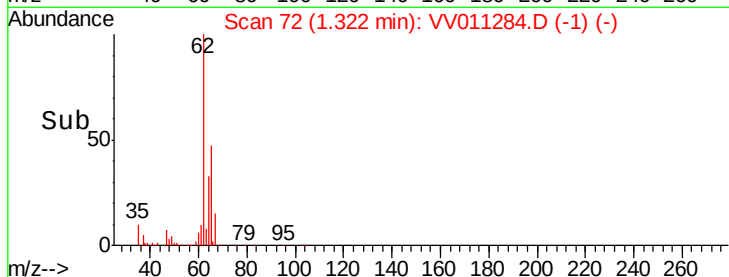
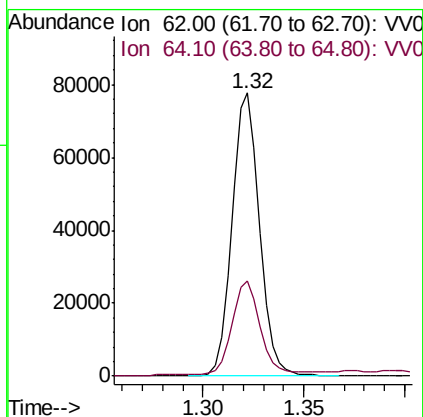
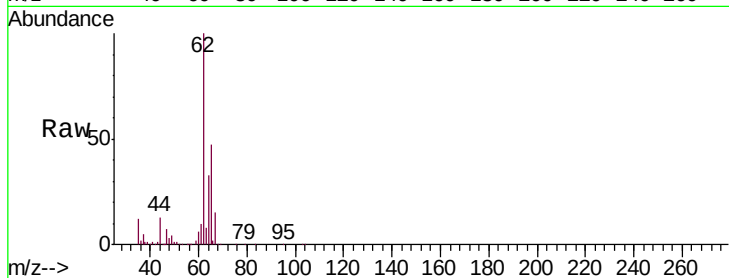
VSTD00533

Tgt Ion: 62 Resp: 74027

Ion Ratio Lower Upper

62 100

64 33.5 25.9 48.1



#6

Bromomethane

Concen: 3.555 ug/L

RT: 1.51 min Scan# 130

Delta R.T. -0.01 min

Lab File: VV011284.D

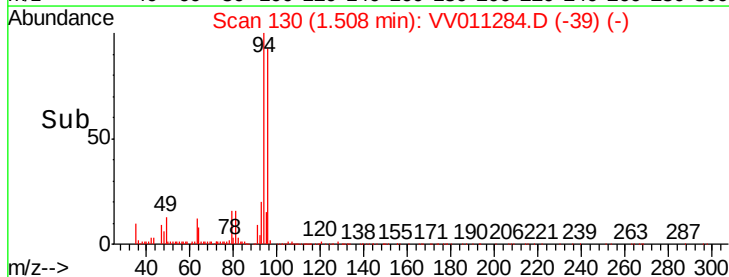
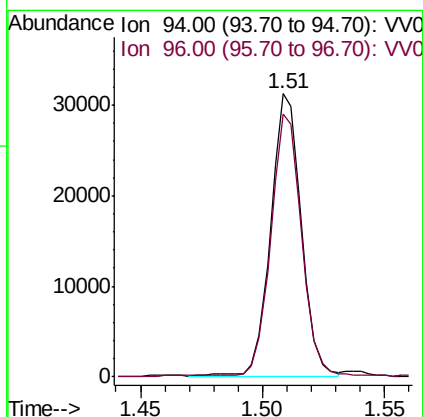
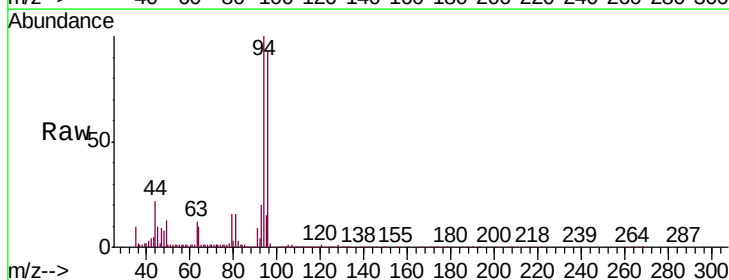
Acq: 07 Jun 2019 11:26

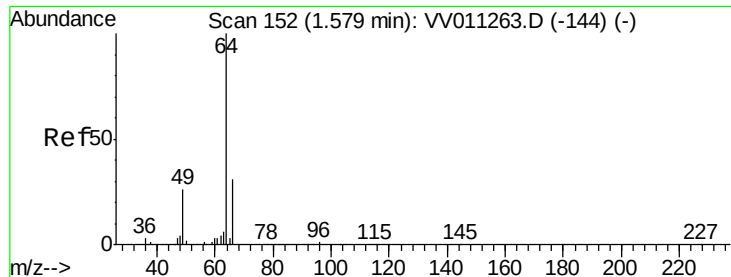
Tgt Ion: 94 Resp: 27021

Ion Ratio Lower Upper

94 100

96 93.0 67.0 124.4





#8

Chloroethane

Concen: 4.831 ug/L

RT: 1.57 min Scan# 150

Delta R.T. -0.01 min

Lab File: VV011284.D

Acq: 07 Jun 2019 11:26

Instrument :

MSVOA_V

ClientSampleId :

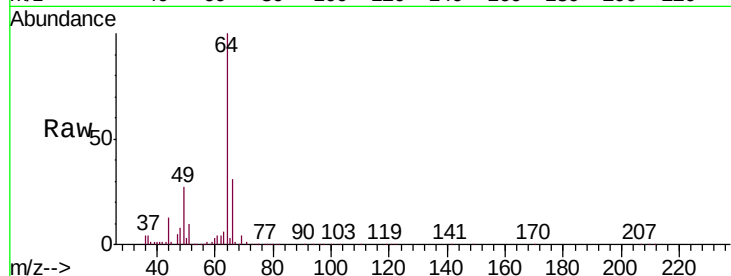
VSTD00533

Tgt Ion: 64 Resp: 45100

Ion Ratio Lower Upper

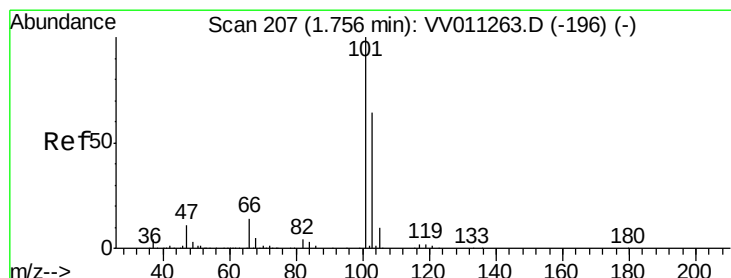
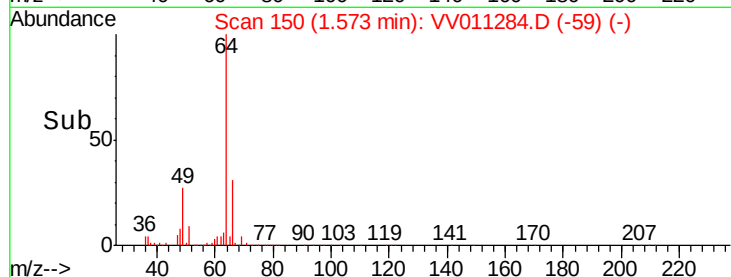
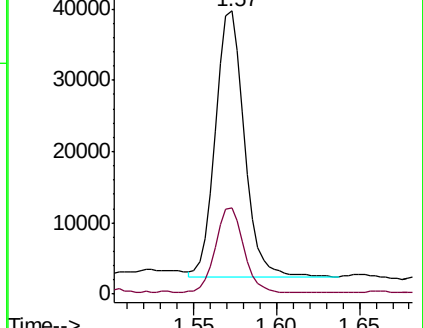
64 100

66 30.6 19.4 36.0



Abundance Ion 64.10 (63.80 to 64.80): VV011263.D (-144) (-)

Ion 66.05 (65.75 to 66.75): VV011263.D (-144) (-)



#9

Trichlorofluoromethane

Concen: 4.912 ug/L

RT: 1.75 min Scan# 205

Delta R.T. -0.01 min

Lab File: VV011284.D

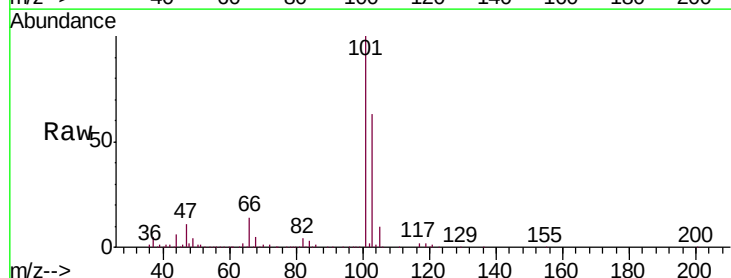
Acq: 07 Jun 2019 11:26

Tgt Ion: 101 Resp: 98515

Ion Ratio Lower Upper

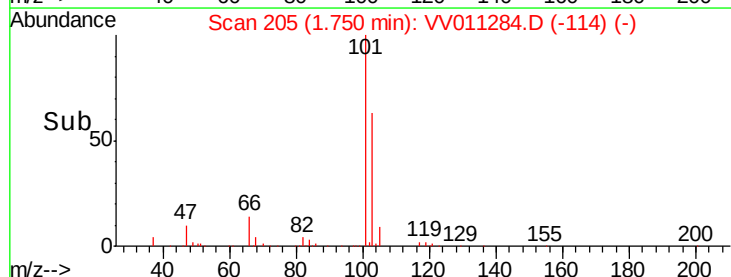
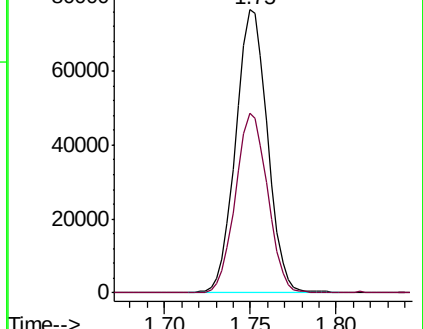
101 100

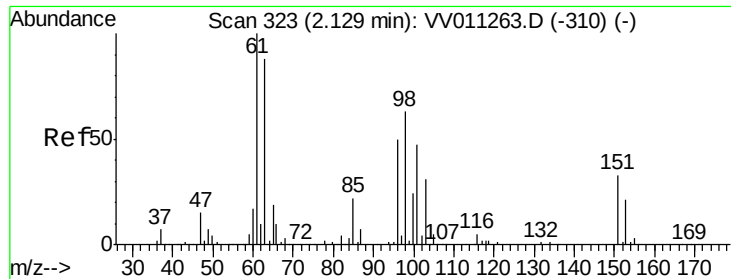
103 64.0 50.8 76.2



Abundance Ion 101.00 (100.70 to 101.70): VV011263.D (-196) (-)

Ion 103.00 (102.70 to 103.70): VV011263.D (-196) (-)





#10

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

Concen: 5.262 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.00 min

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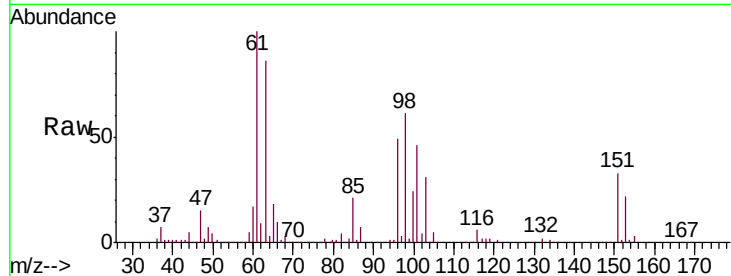
Tgt Ion:101 Resp: 54160

Ion Ratio Lower Upper

101 100

85 45.5 35.5 53.3

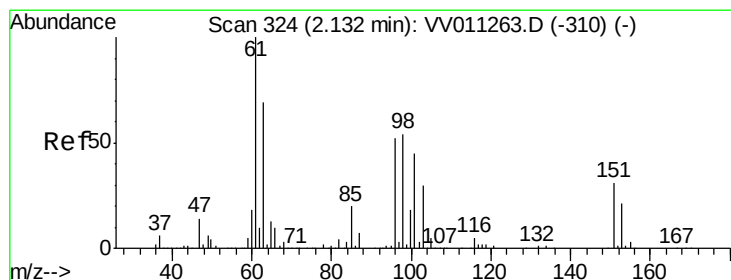
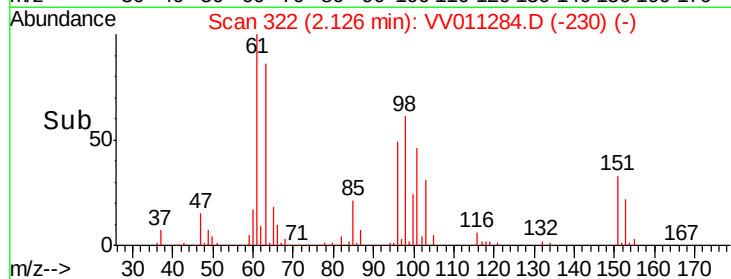
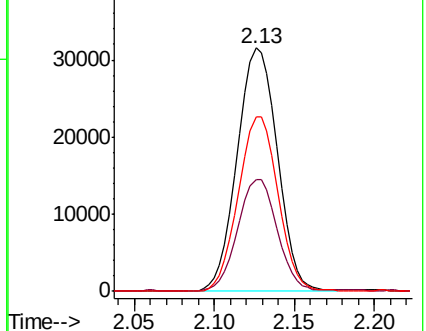
151 70.8 56.9 85.3



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: 5.030 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV011284.D

Acq: 07 Jun 2019 11:26

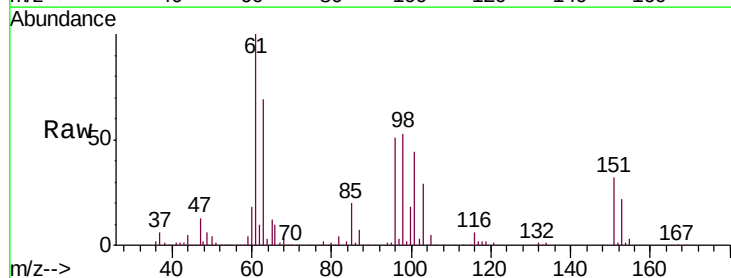
Tgt Ion: 96 Resp: 50325

Ion Ratio Lower Upper

96 100

61 197.7 139.8 259.6

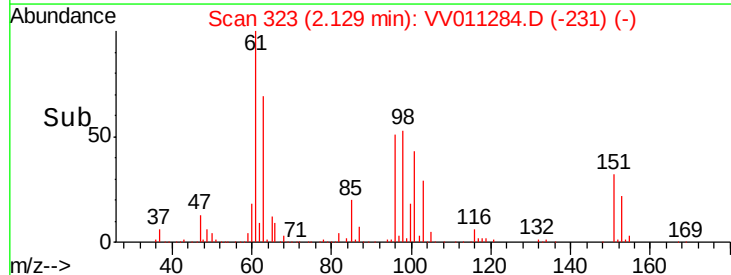
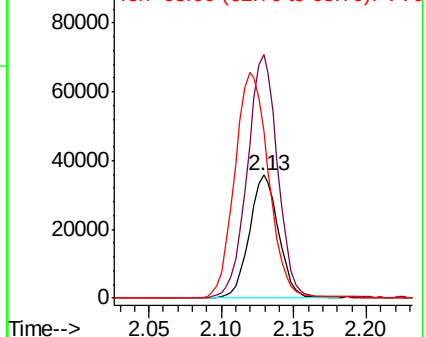
63 135.5 94.3 175.1

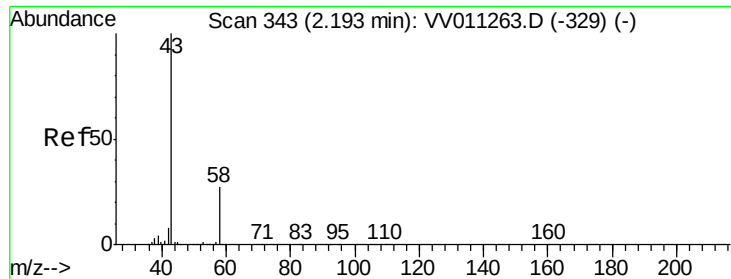


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 59.907 ug/L

RT: 2.19 min Scan# 343

Delta R.T. 0.00 min

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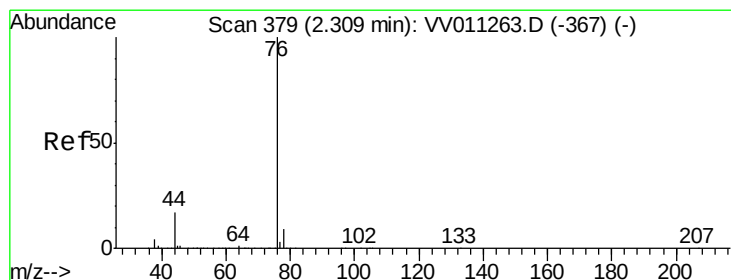
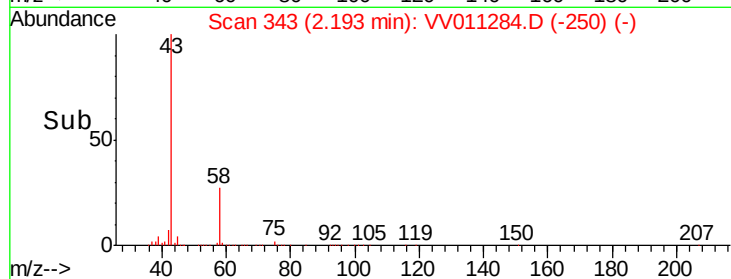
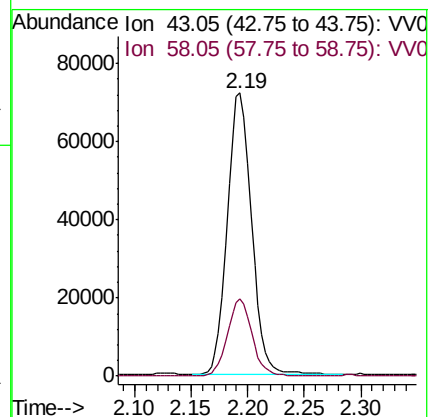
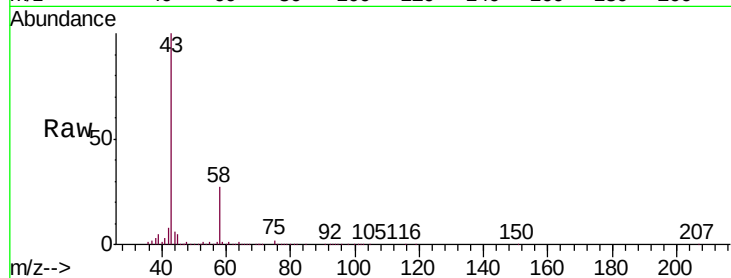
VSTD00533

Tgt Ion: 43 Resp: 108804

Ion Ratio Lower Upper

43 100

58 27.6 0.0 55.2



#14

Carbon disulfide

Concen: 4.599 ug/L

RT: 2.31 min Scan# 378

Delta R.T. -0.00 min

Lab File: VV011284.D

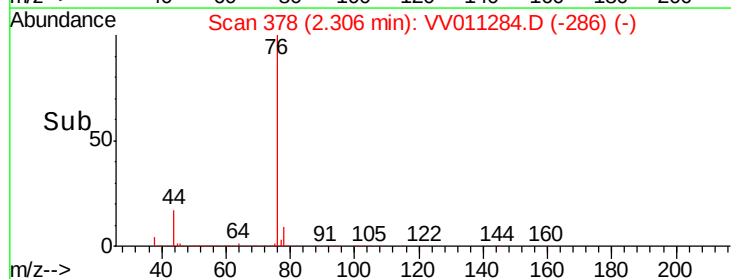
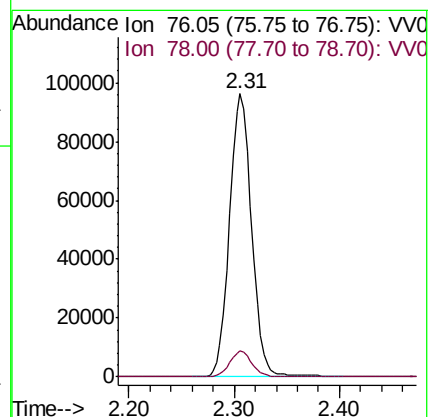
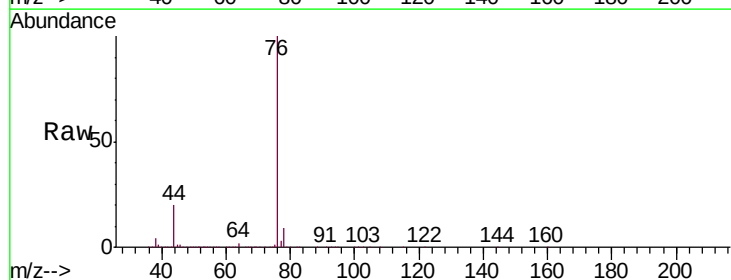
Acq: 07 Jun 2019 11:26

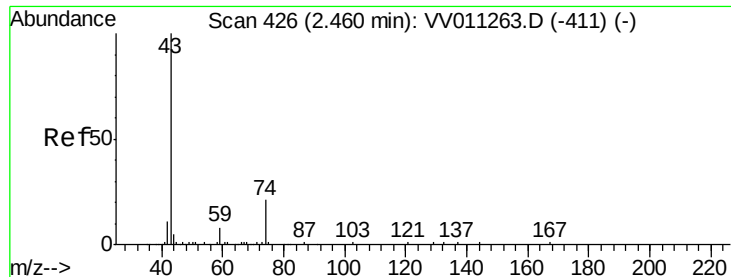
Tgt Ion: 76 Resp: 139560

Ion Ratio Lower Upper

76 100

78 9.3 7.3 10.9





#15

Methyl Acetate

Concen: 5.568 ug/L

RT: 2.46 min Scan# 425

Delta R.T. -0.00 min

Lab File: VV011284.D

Acq: 07 Jun 2019 11:26

Instrument :

MSVOA_V

ClientSampleId :

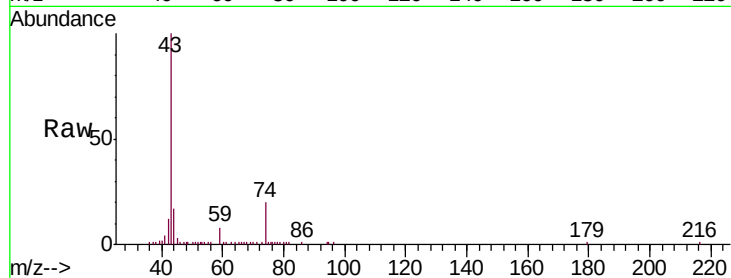
VSTD00533

Tgt Ion: 43 Resp: 26860

Ion Ratio Lower Upper

43 100

74 21.3 18.5 27.7

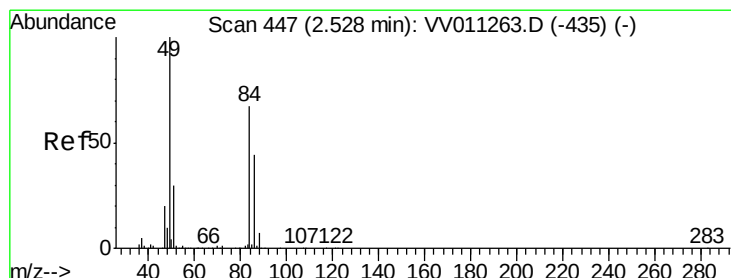
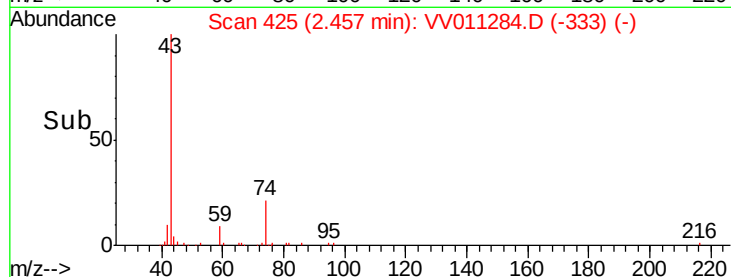


Abundance Ion 43.05 (42.75 to 43.75): VV011263.D (-411) (-)

Ion 74.05 (73.75 to 74.75): VV011263.D (-411) (-)

2.46

Time-->



#16

Methylene chloride

Concen: 5.135 ug/L

RT: 2.53 min Scan# 447

Delta R.T. 0.00 min

Lab File: VV011284.D

Acq: 07 Jun 2019 11:26

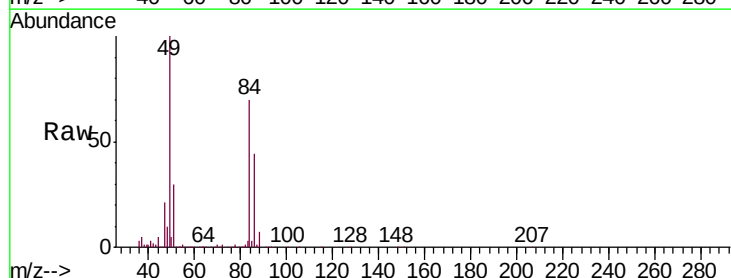
Tgt Ion: 84 Resp: 52935

Ion Ratio Lower Upper

84 100

86 63.7 44.9 83.3

49 143.9 102.1 189.5



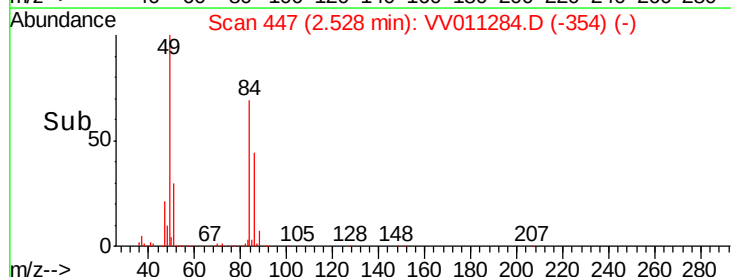
Abundance Ion 84.05 (83.75 to 84.75): VV011263.D (-435) (-)

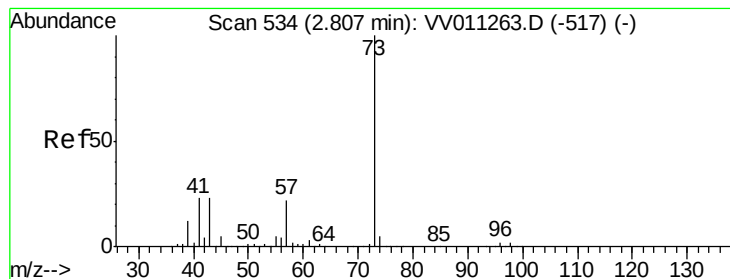
Ion 86.00 (85.70 to 86.70): VV011263.D (-435) (-)

Ion 49.10 (48.80 to 49.80): VV011263.D (-435) (-)

2.53

Time-->





#17

Methyl tert-butyl Ether

Concen: 5.059 ug/L

RT: 2.81 min Scan# 534

Delta R.T. 0.00 min

Lab File: VV011284.D

Acq: 07 Jun 2019 11:26

Instrument :

MSVOA_V

ClientSampleId :

VSTD00533

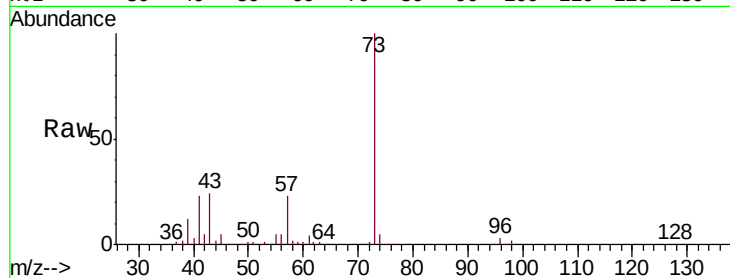
Tgt Ion: 73 Resp: 135098

Ion Ratio Lower Upper

73 100

43 23.2 18.7 28.1

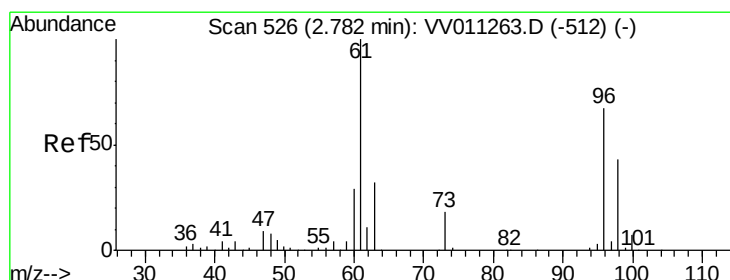
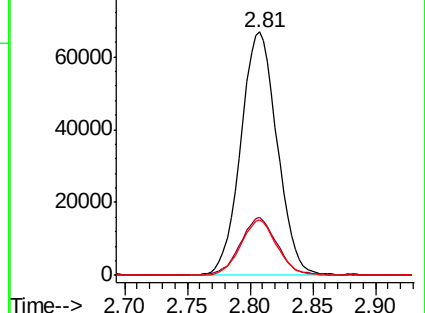
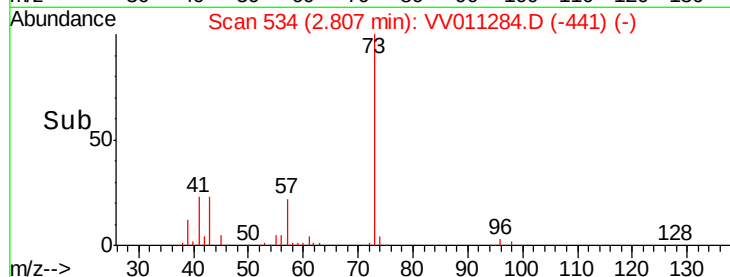
57 22.5 18.1 27.1



Abundance Ion 73.10 (72.80 to 73.80): VV0

Ion 43.05 (42.75 to 43.75): VV0

Ion 57.10 (56.80 to 57.80): VV0



#18

trans-1,2-Dichloroethene

Concen: 4.953 ug/L

RT: 2.78 min Scan# 525

Delta R.T. -0.00 min

Lab File: VV011284.D

Acq: 07 Jun 2019 11:26

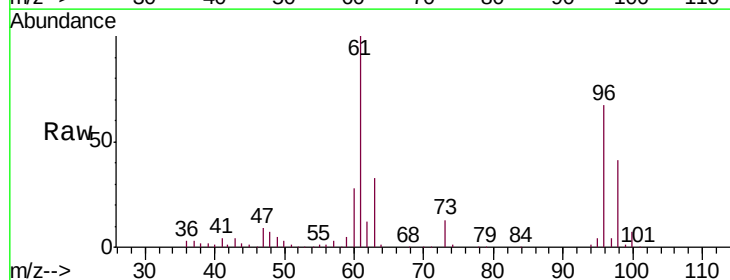
Tgt Ion: 96 Resp: 55485

Ion Ratio Lower Upper

96 100

61 149.4 104.0 193.2

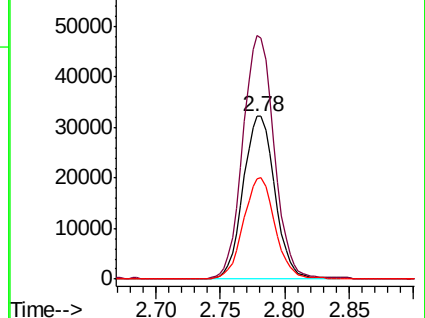
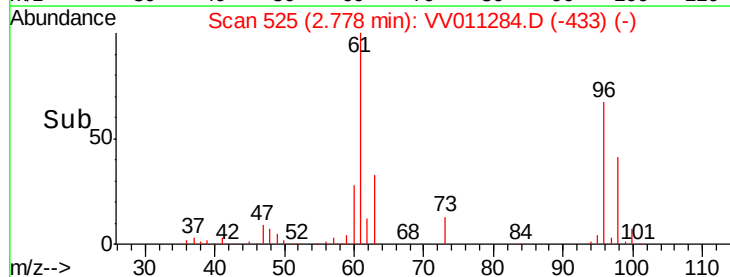
98 61.7 45.7 84.9

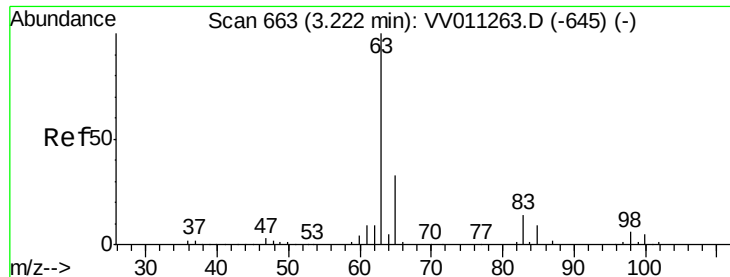


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 97.95 (97.65 to 98.65): VV0





#19

1,1-Dichloroethane

Concen: 4.856 ug/L

RT: 3.22 min Scan# 663

Delta R.T. 0.00 min

Lab File: VV011284.D

Acq: 07 Jun 2019 11:26

Instrument :

MSVOA_V

ClientSampled :

VSTD00533

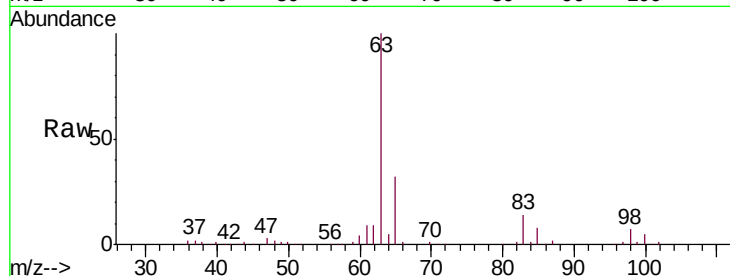
Tgt Ion: 63 Resp: 107305

Ion Ratio Lower Upper

63 100

65 32.1 22.1 41.1

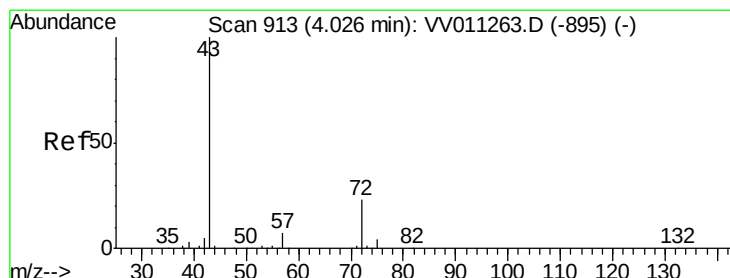
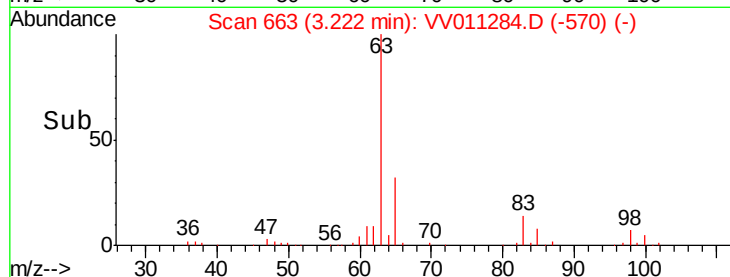
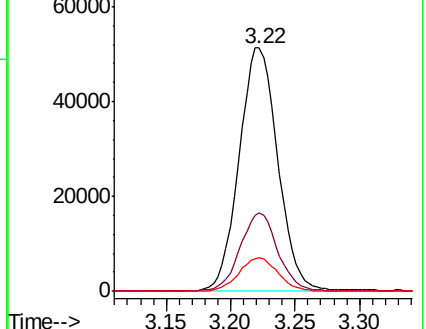
83 13.8 9.2 17.0



Abundance Ion 63.10 (62.80 to 63.80): VV0

Ion 65.10 (64.80 to 65.80): VV0

Ion 83.05 (82.75 to 83.75): VV0



#21

2-Butanone

Concen: 59.477 ug/L

RT: 4.02 min Scan# 912

Delta R.T. -0.00 min

Lab File: VV011284.D

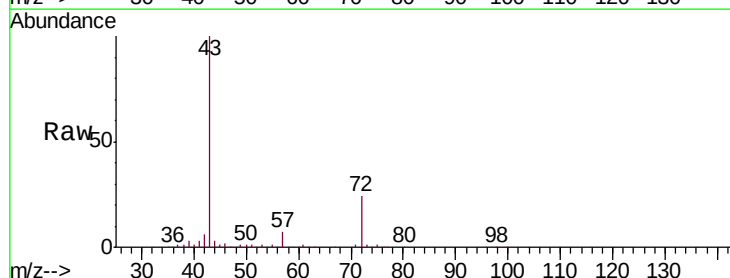
Acq: 07 Jun 2019 11:26

Tgt Ion: 43 Resp: 166356

Ion Ratio Lower Upper

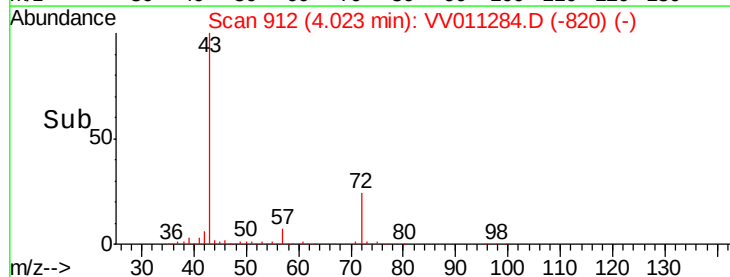
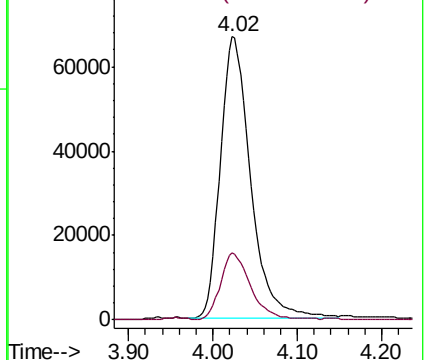
43 100

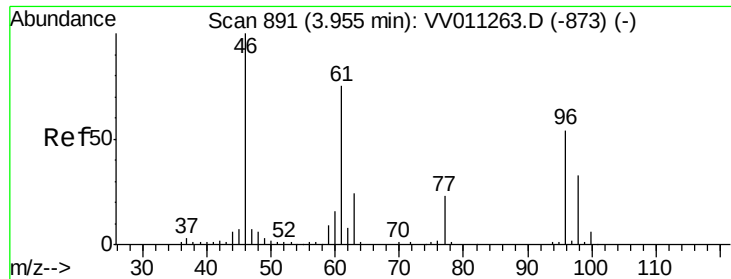
72 23.2 12.7 38.1



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 72.10 (71.80 to 72.80): VV0



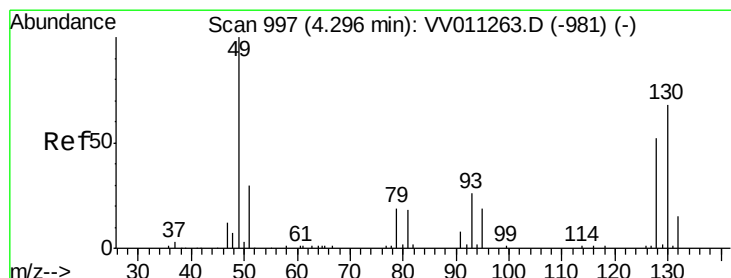
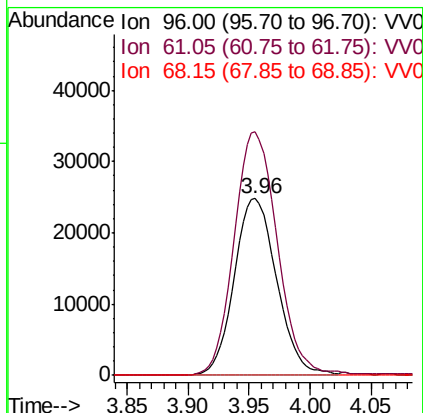
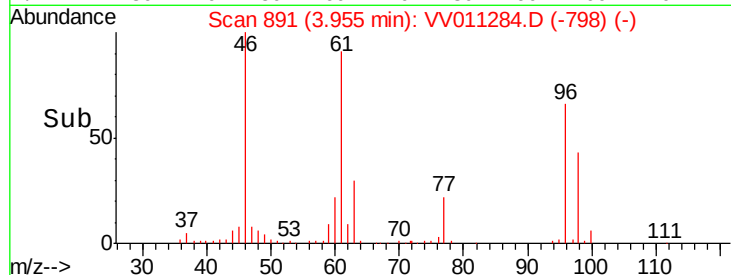
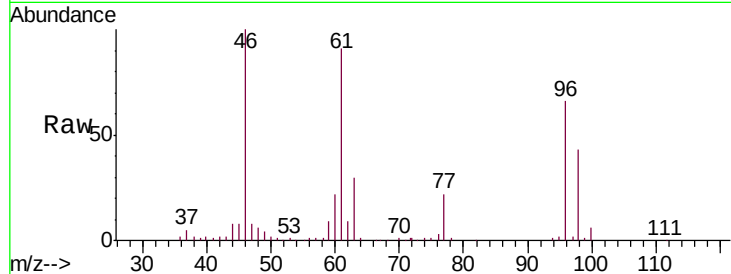


#22

cis-1,2-Dichloroethene
Concen: 4.843 ug/L
RT: 3.96 min Scan# 891
Delta R.T. 0.00 min
Lab File: VV011284.D
Acq: 07 Jun 2019 11:26

Instrument :
MSVOA_V
ClientSampleId :
VSTD00533

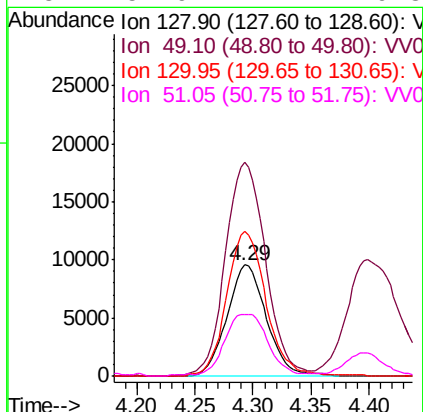
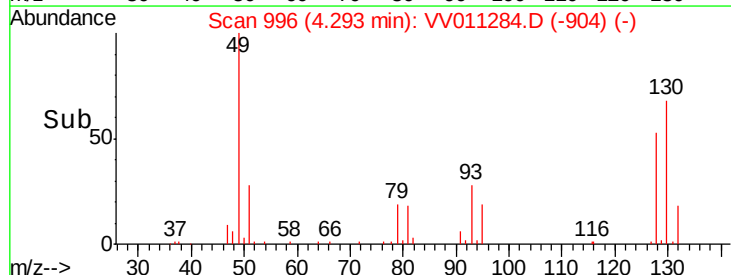
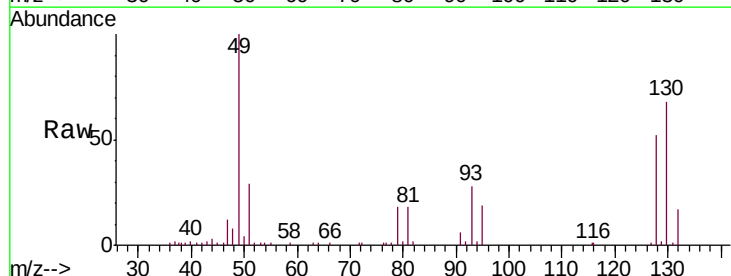
Tgt Ion: 96 Resp: 60073
Ion Ratio Lower Upper
96 100
61 137.6 100.8 187.2
68 0.5 0.0 0.0#

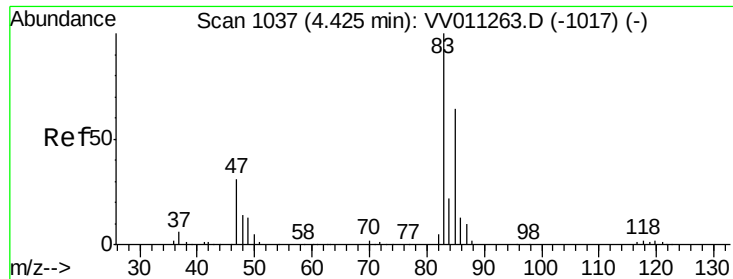


#23

Bromochloromethane
Concen: 4.721 ug/L
RT: 4.29 min Scan# 996
Delta R.T. -0.00 min
Lab File: VV011284.D
Acq: 07 Jun 2019 11:26

Tgt Ion: 128 Resp: 22448
Ion Ratio Lower Upper
128 100
49 192.2 128.9 239.5
130 129.9 82.5 153.1
51 54.9 47.2 70.8

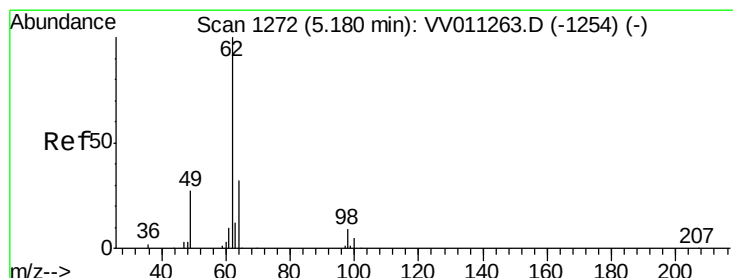
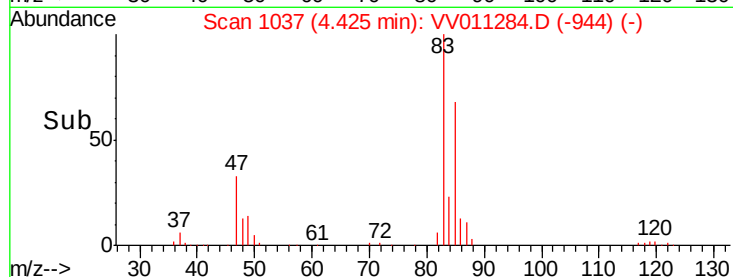
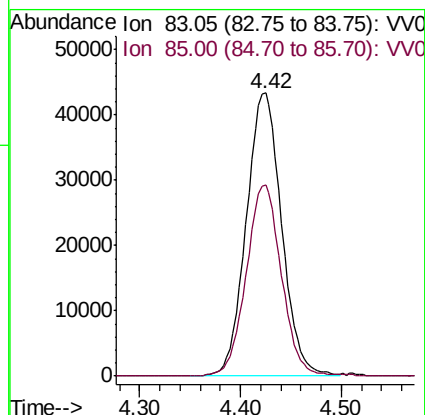
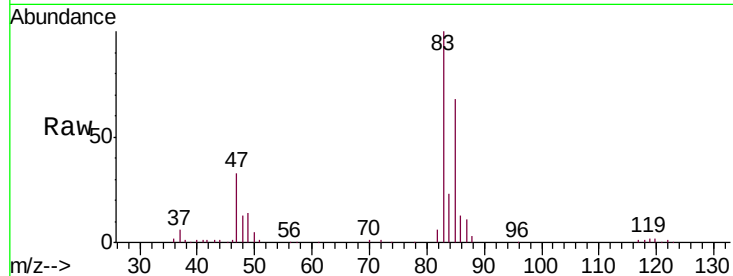




#25
Chloroform
Concen: 4.616 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. 0.00 min
Lab File: VV011284.D
Acq: 07 Jun 2019 11:26

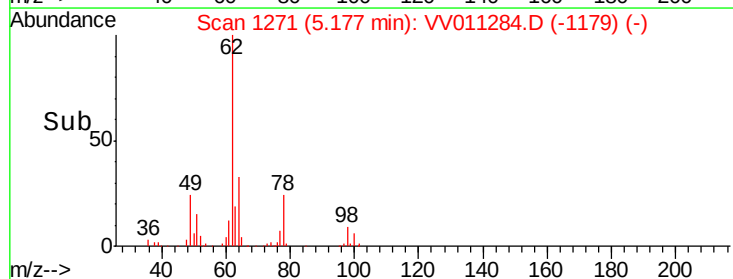
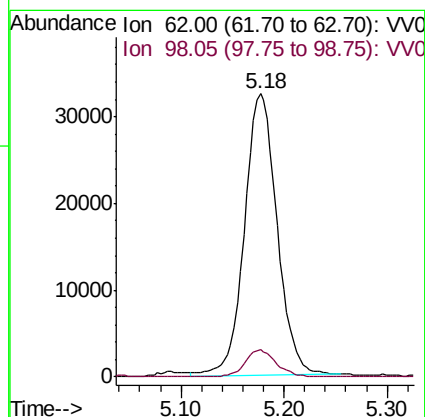
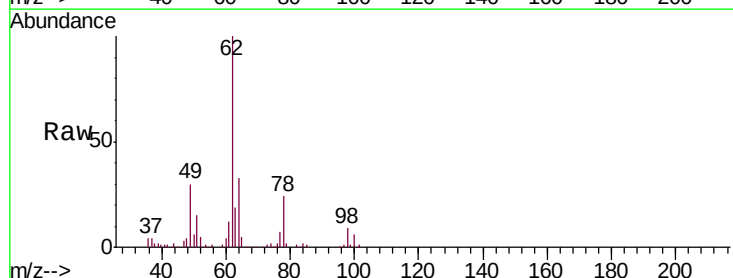
Instrument :
MSVOA_V
ClientSampleId :
VSTD00533

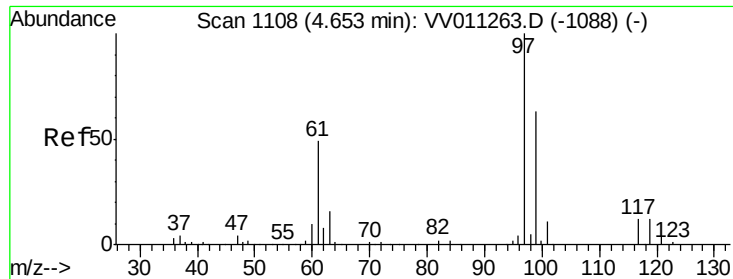
Tgt Ion: 83 Resp: 105322
Ion Ratio Lower Upper
83 100
85 67.6 44.1 81.9



#27
1,2-Dichloroethane
Concen: 5.125 ug/L
RT: 5.18 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VV011284.D
Acq: 07 Jun 2019 11:26

Tgt Ion: 62 Resp: 71462
Ion Ratio Lower Upper
62 100
98 9.6 6.9 10.3

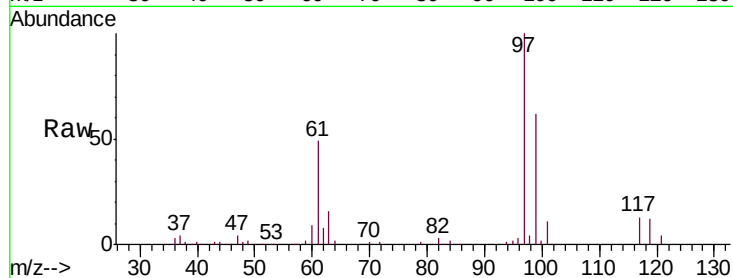




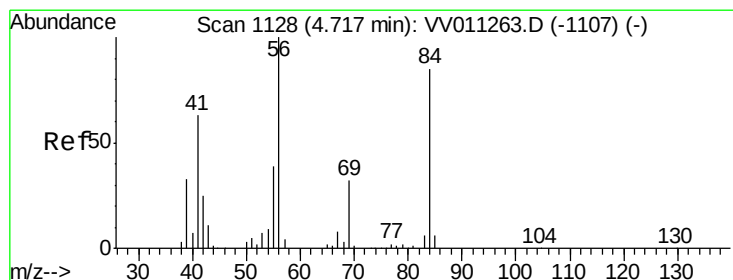
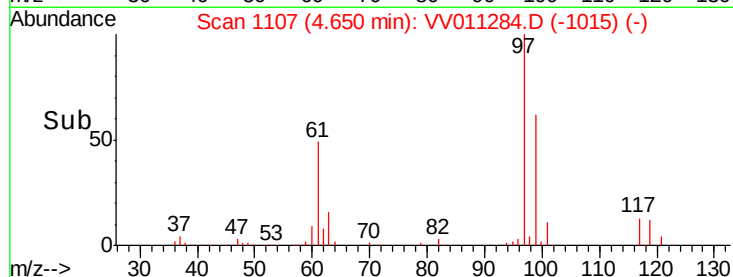
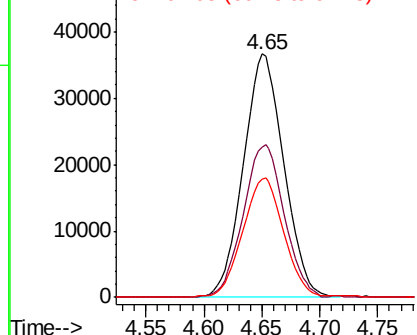
#29
 1,1,1-Trichloroethane
 Concen: 4.573 ug/L
 RT: 4.65 min Scan# 1107
 Delta R.T. -0.00 min
 Lab File: VV011284.D
 Acq: 07 Jun 2019 11:26

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00533

Tgt Ion: 97 Resp: 89266
 Ion Ratio Lower Upper
 97 100
 99 63.6 50.8 76.2
 61 50.1 38.9 58.3

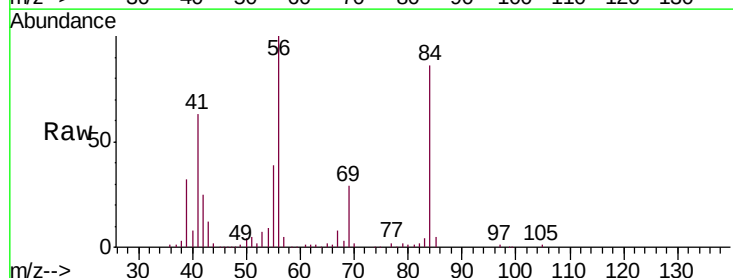


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 61.05 (60.75 to 61.75): VV0

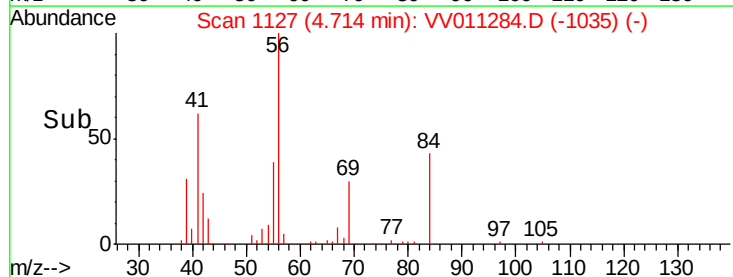
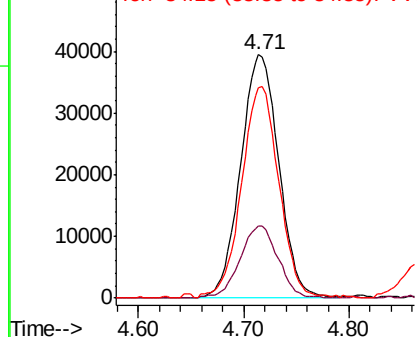


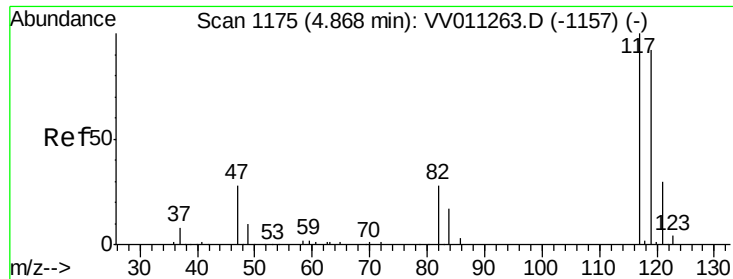
#30
 Cyclohexane
 Concen: 4.598 ug/L
 RT: 4.71 min Scan# 1127
 Delta R.T. -0.00 min
 Lab File: VV011284.D
 Acq: 07 Jun 2019 11:26

Tgt Ion: 56 Resp: 99528
 Ion Ratio Lower Upper
 56 100
 69 29.4 24.1 36.1
 84 84.8 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: 4.629 ug/L

RT: 4.87 min Scan# 1175

Delta R.T. 0.00 min

Lab File: VV011284.D

Acq: 07 Jun 2019 11:26

Instrument :

MSVOA_V

ClientSampleId :

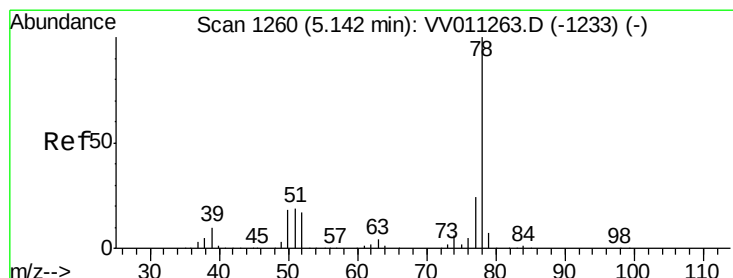
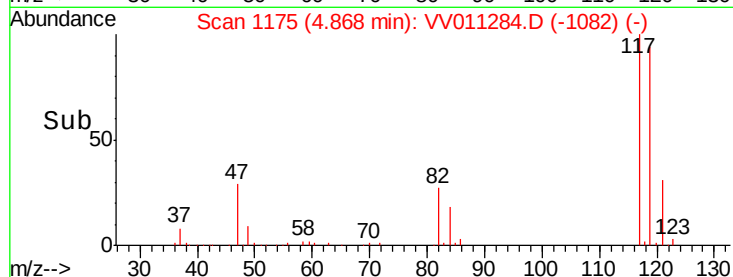
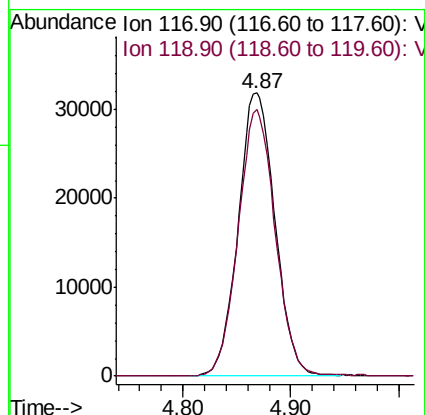
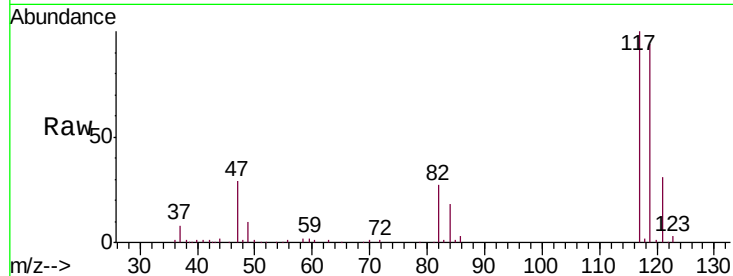
VSTD00533

Tgt Ion:117 Resp: 75521

Ion Ratio Lower Upper

117 100

119 94.7 77.9 116.9



#33

Benzene

Concen: 4.706 ug/L

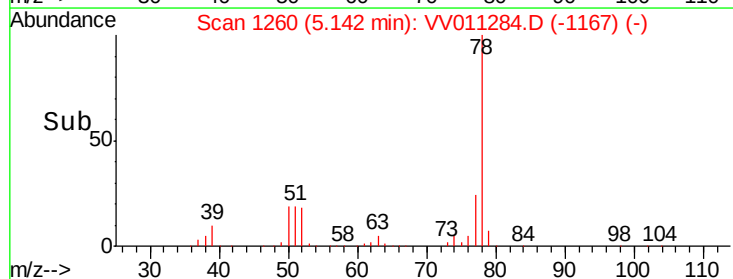
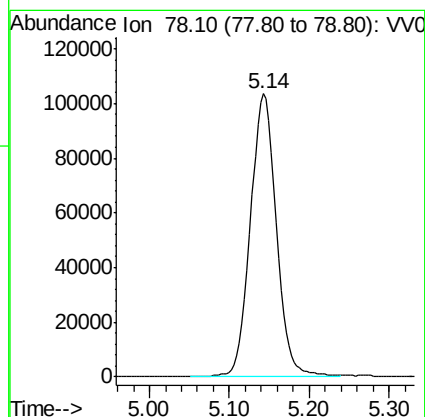
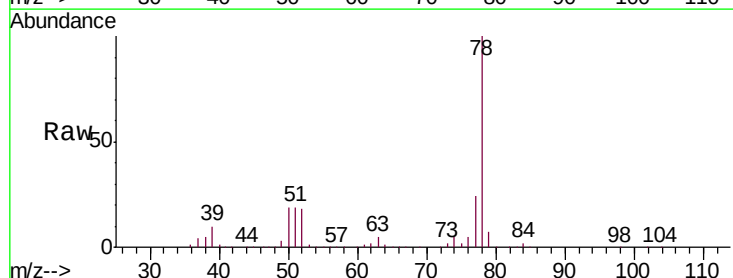
RT: 5.14 min Scan# 1260

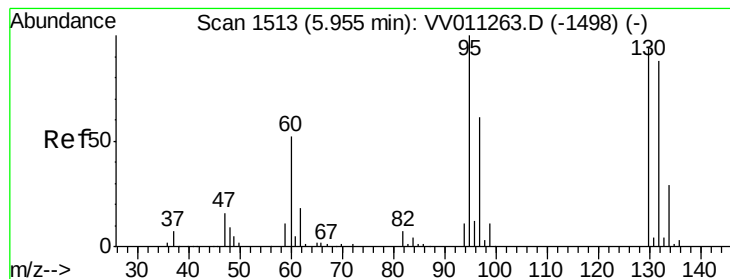
Delta R.T. 0.00 min

Lab File: VV011284.D

Acq: 07 Jun 2019 11:26

Tgt Ion: 78 Resp: 229217





#34

Trichloroethene

Concen: 4.734 ug/L

RT: 5.96 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VV011284.D

Acq: 07 Jun 2019 11:26

Instrument :

MSVOA_V

ClientSampleId :

VSTD00533

Tgt Ion: 95 Resp: 59565

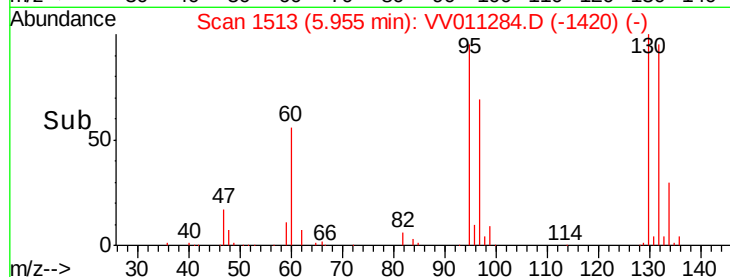
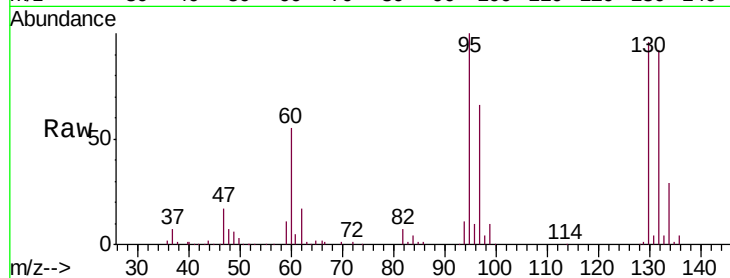
Ion Ratio Lower Upper

95 100

97 66.1 45.8 85.2

132 91.9 66.4 123.2

130 96.3 68.3 126.8

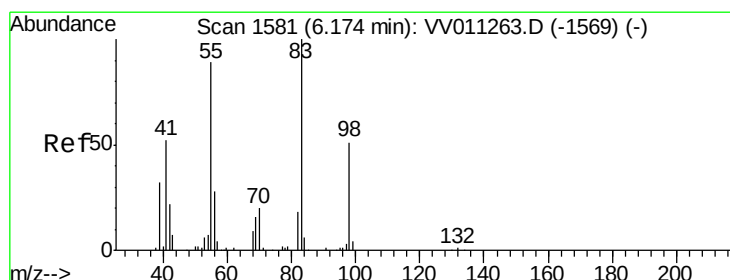
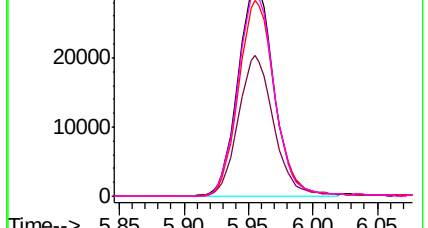


Abundance Ion 95.00 (94.70 to 95.70): VV011284.D (-1420) (-)

Ion 96.95 (96.65 to 97.65): VV011284.D (-1420) (-)

Ion 131.95 (131.65 to 132.65): VV011284.D (-1420) (-)

Ion 129.95 (129.65 to 130.65): VV011284.D (-1420) (-)



#35

Methylcyclohexane

Concen: 4.706 ug/L

RT: 6.17 min Scan# 1580

Delta R.T. -0.00 min

Lab File: VV011284.D

Acq: 07 Jun 2019 11:26

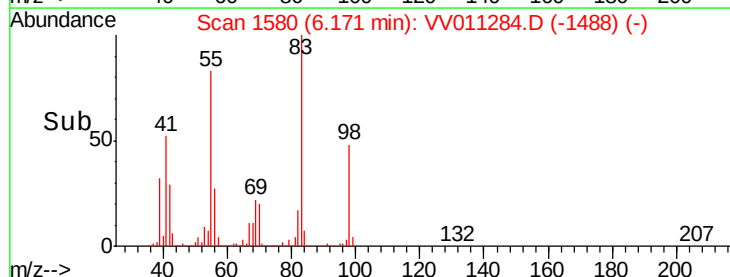
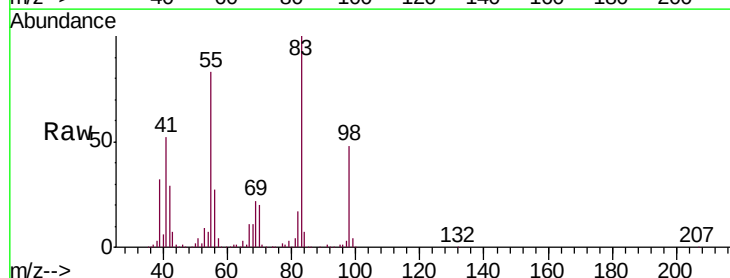
Tgt Ion: 83 Resp: 97930

Ion Ratio Lower Upper

83 100

55 83.7 67.0 100.6

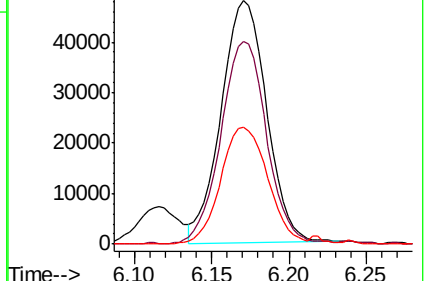
98 50.1 40.0 60.0

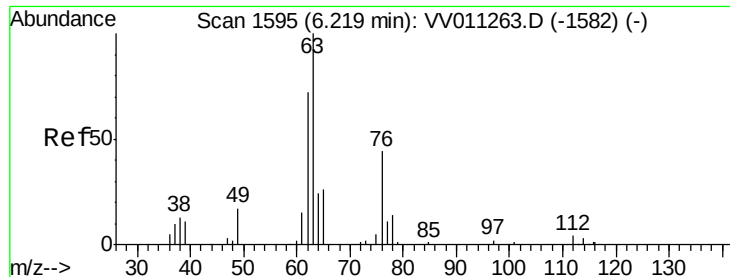


Abundance Ion 83.15 (82.85 to 83.85): VV011284.D (-1488) (-)

Ion 55.10 (54.80 to 55.80): VV011284.D (-1488) (-)

Ion 98.15 (97.85 to 98.85): VV011284.D (-1488) (-)

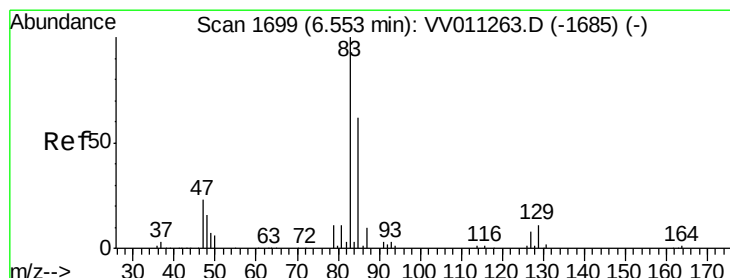
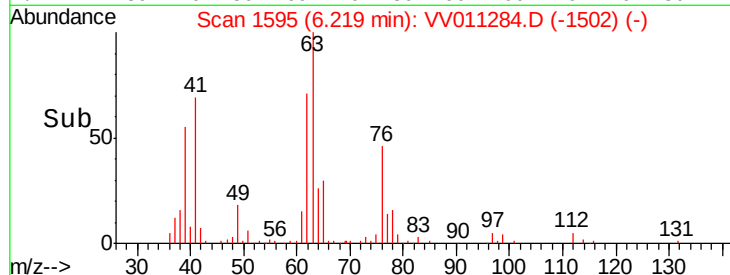
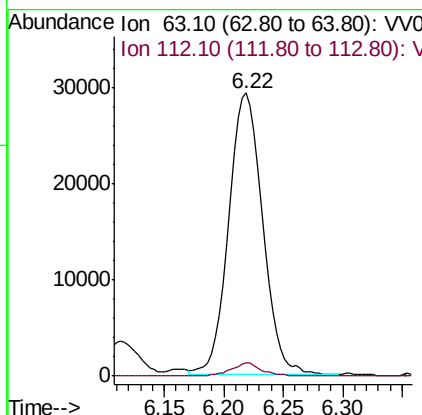
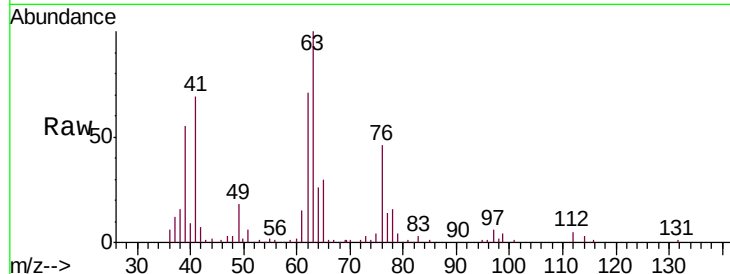




#37
 1,2-Dichloropropane
 Concen: 4.817 ug/L
 RT: 6.22 min Scan# 1595
 Delta R.T. 0.00 min
 Lab File: VV011284.D
 Acq: 07 Jun 2019 11:26

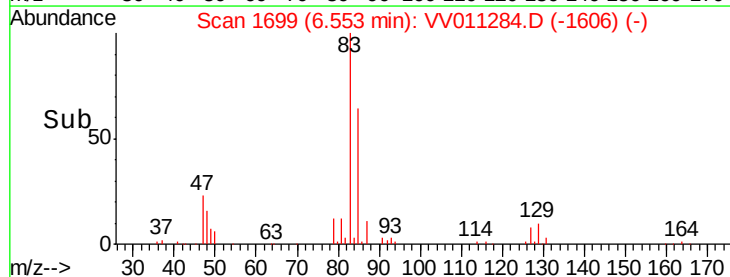
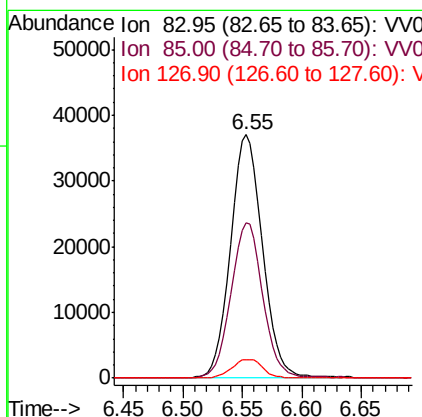
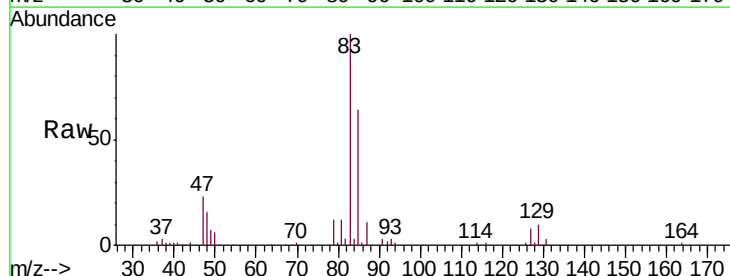
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00533

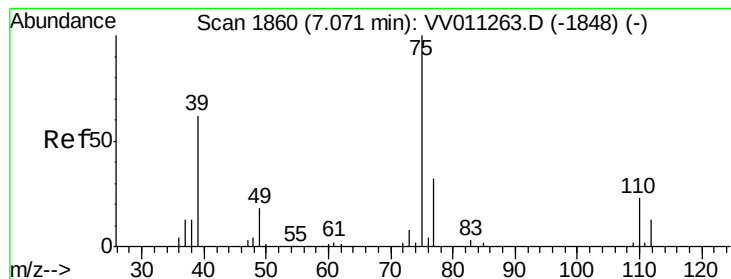
Tgt Ion: 63 Resp: 58387
 Ion Ratio Lower Upper
 63 100
 112 4.2 3.6 5.4



#38
 Bromodichloromethane
 Concen: 4.614 ug/L
 RT: 6.55 min Scan# 1699
 Delta R.T. 0.00 min
 Lab File: VV011284.D
 Acq: 07 Jun 2019 11:26

Tgt Ion: 83 Resp: 69141
 Ion Ratio Lower Upper
 83 100
 85 63.9 44.5 82.7
 127 7.7 7.0 10.4





#39

cis-1,3-Dichloropropene

Concen: 4.523 ug/L

RT: 7.07 min Scan# 1859

Delta R.T. -0.00 min

Lab File: VV011284.D

Acq: 07 Jun 2019 11:26

Instrument :

MSVOA_V

ClientSampleId :

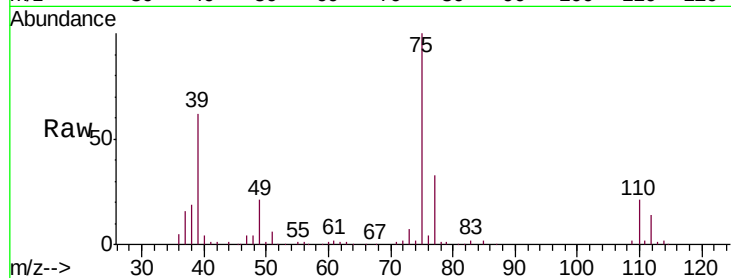
VSTD00533

Tgt Ion: 75 Resp: 80221

Ion Ratio Lower Upper

75 100

77 32.6 22.2 41.2

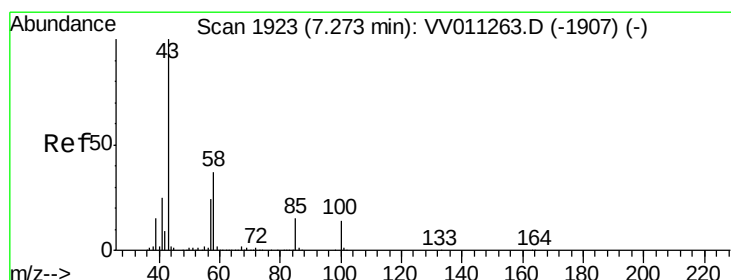
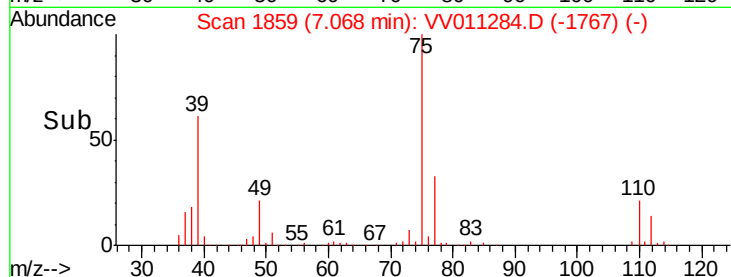


Abundance Ion 75.05 (74.75 to 75.75): VV011263.D (-1848) (-)

Ion 77.05 (76.75 to 77.75): VV011263.D (-1848) (-)

7.07

Time-->



#40

4-Methyl-2-pentanone

Concen: 55.485 ug/L

RT: 7.27 min Scan# 1923

Delta R.T. 0.00 min

Lab File: VV011284.D

Acq: 07 Jun 2019 11:26

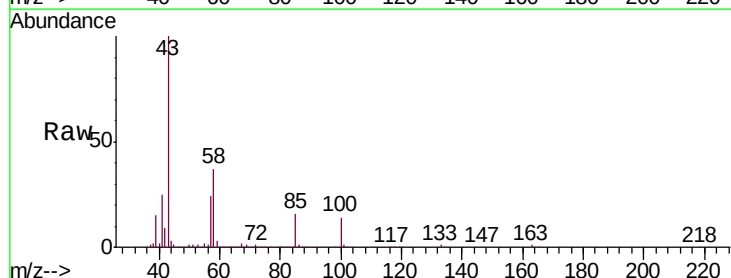
Tgt Ion: 43 Resp: 428302

Ion Ratio Lower Upper

43 100

58 36.4 29.3 43.9

100 13.5 10.6 16.0



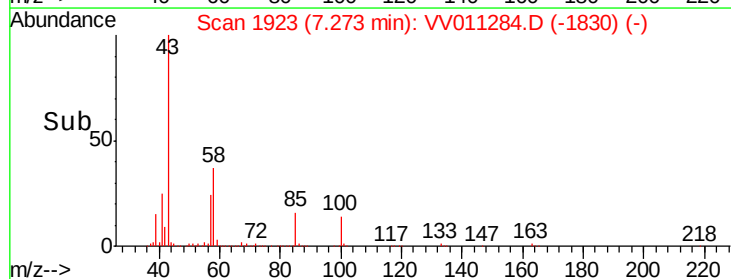
Abundance Ion 43.05 (42.75 to 43.75): VV011263.D (-1907) (-)

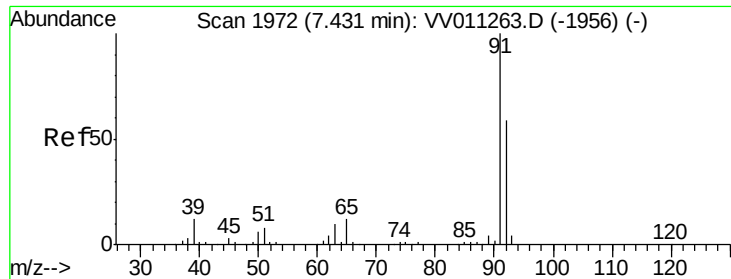
Ion 58.05 (57.75 to 58.75): VV011263.D (-1907) (-)

Ion 100.15 (99.85 to 100.85): VV011263.D (-1907) (-)

7.27

Time-->





#42

Toluene

Concen: 4.902 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. -0.00 min

Lab File: VV011284.D

Acq: 07 Jun 2019 11:26

Instrument :

MSVOA_V

ClientSampleId :

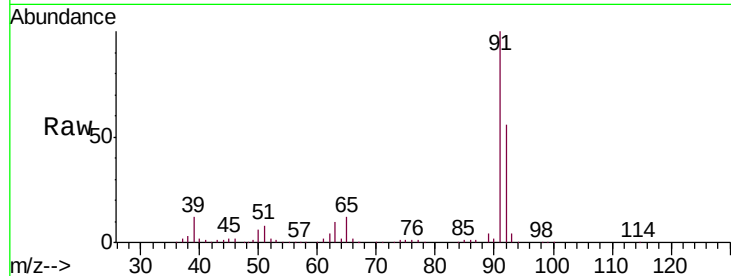
VSTD00533

Tgt Ion: 91 Resp: 254475

Ion Ratio Lower Upper

91 100

92 55.5 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

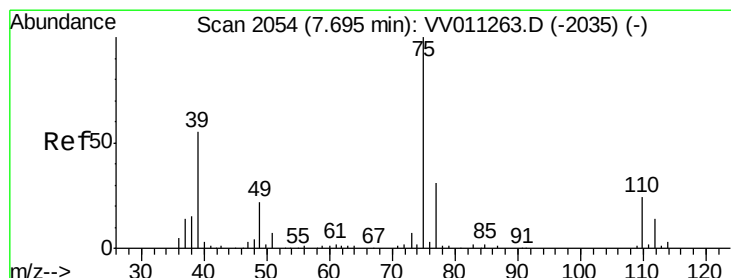
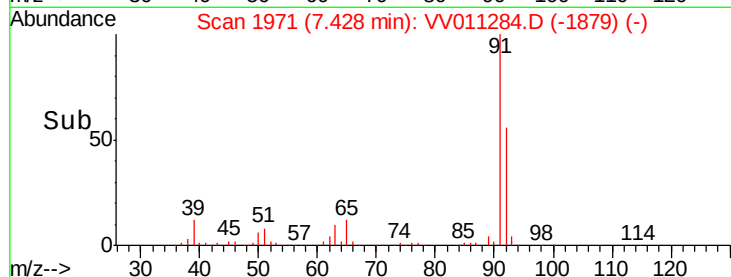
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 4.586 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. -0.00 min

Lab File: VV011284.D

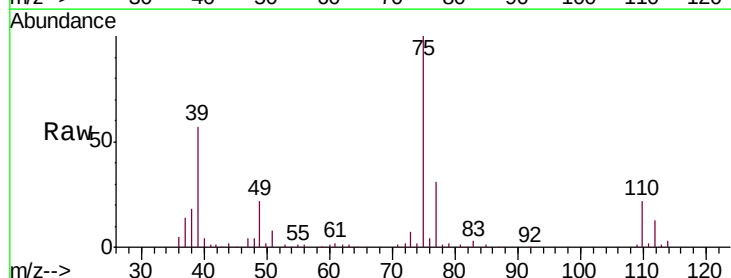
Acq: 07 Jun 2019 11:26

Tgt Ion: 75 Resp: 61832

Ion Ratio Lower Upper

75 100

77 30.8 23.1 42.9



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

7.69

40000

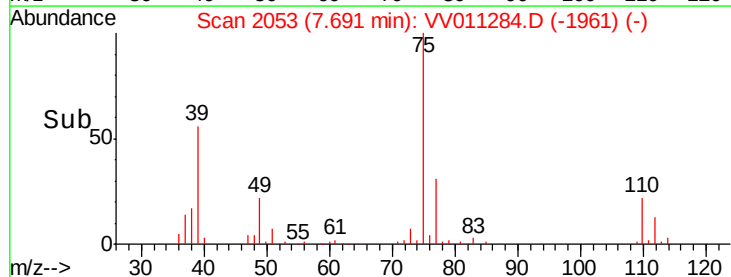
30000

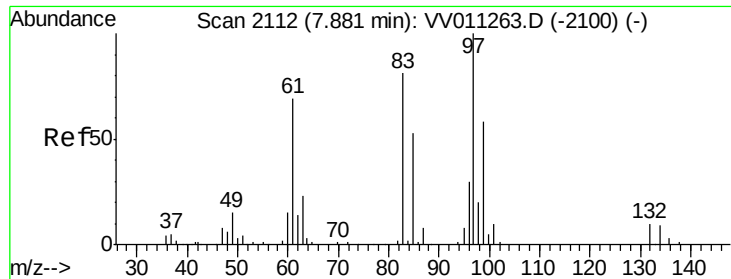
20000

10000

0

Time-->

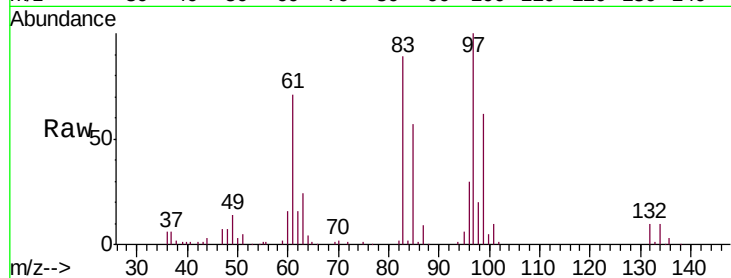




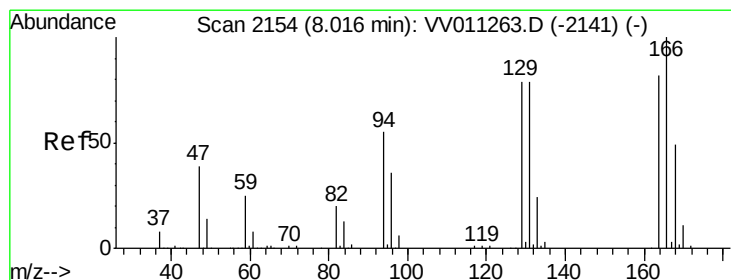
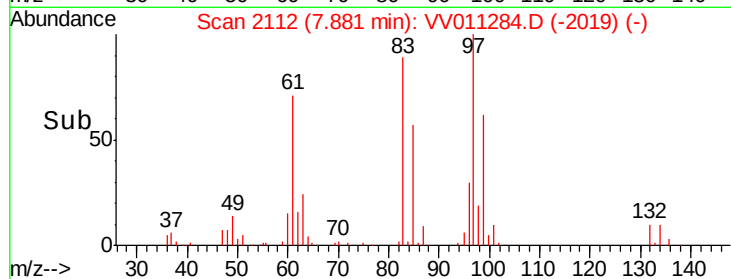
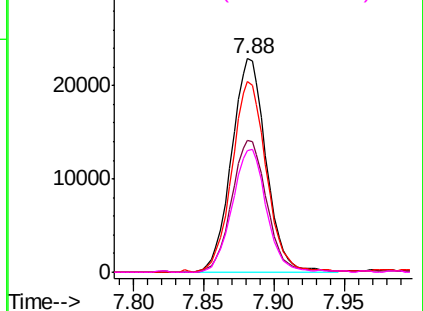
#45
 1,1,2-Trichloroethane
 Concen: 5.077 ug/L
 RT: 7.88 min Scan# 2112
 Delta R.T. 0.00 min
 Lab File: VV011284.D
 Acq: 07 Jun 2019 11:26

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00533

Tgt Ion:	97	Resp:	39390
Ion	Ratio	Lower	Upper
97	100		
99	62.0	42.1	78.3
83	89.4	59.4	110.2
85	57.1	39.7	73.7

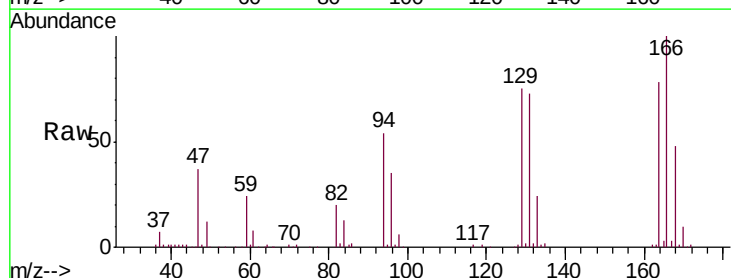


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 82.95 (82.65 to 83.65): VV0
 Ion 85.00 (84.70 to 85.70): VV0

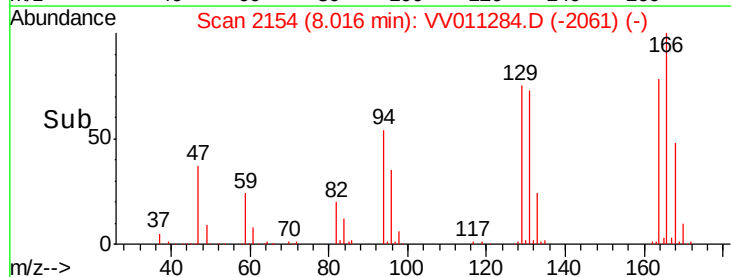
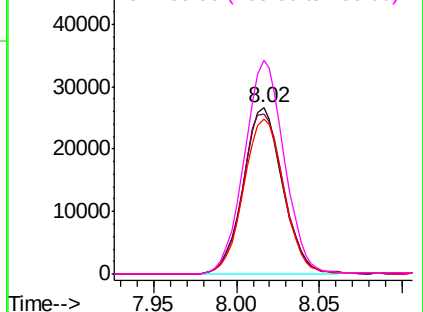


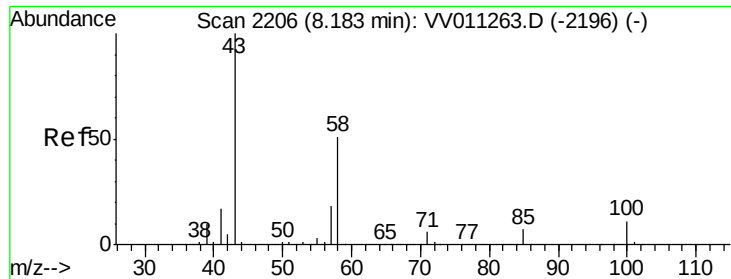
#47
 Tetrachloroethene
 Concen: 4.832 ug/L
 RT: 8.02 min Scan# 2154
 Delta R.T. 0.00 min
 Lab File: VV011284.D
 Acq: 07 Jun 2019 11:26

Tgt Ion:	164	Resp:	43939
Ion	Ratio	Lower	Upper
164	100		
129	96.5	69.9	129.9
131	93.6	66.8	124.2
166	128.8	90.2	167.6



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

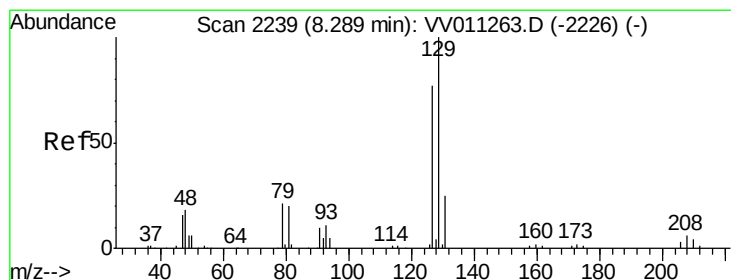
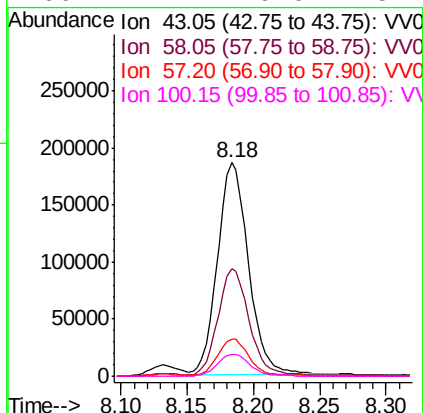
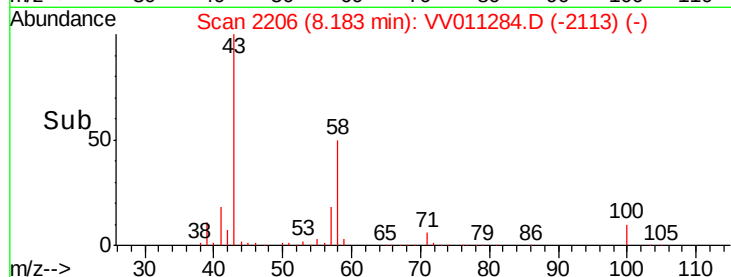
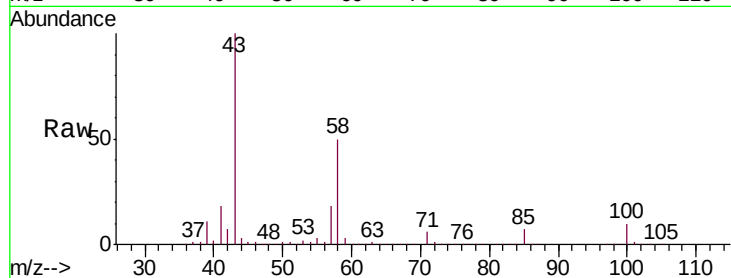




#48
2-Hexanone
Concen: 56.355 ug/L
RT: 8.18 min Scan# 2206
Delta R.T. 0.00 min
Lab File: VV011284.D
Acq: 07 Jun 2019 11:26

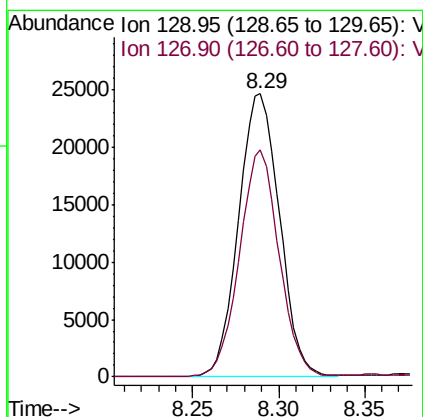
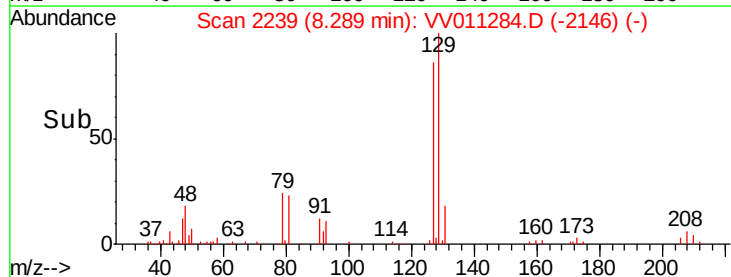
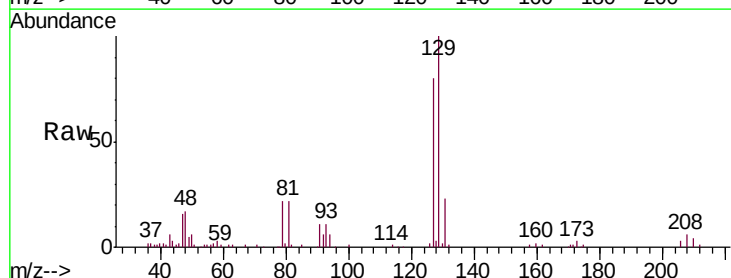
Instrument :
MSVOA_V
ClientSampleId :
VSTD00533

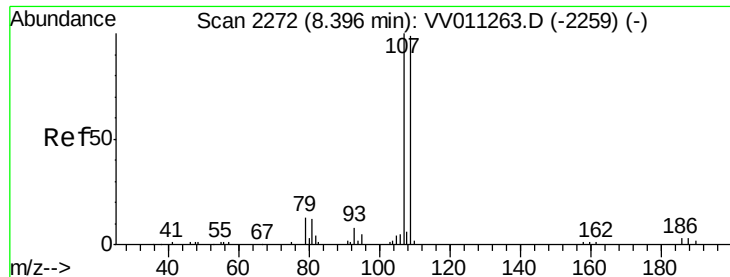
Tgt Ion: 43 Resp: 303388
Ion Ratio Lower Upper
43 100
58 50.7 41.4 62.0
57 17.6 15.0 22.4
100 11.1 9.0 13.4



#49
Dibromochloromethane
Concen: 4.650 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VV011284.D
Acq: 07 Jun 2019 11:26

Tgt Ion: 129 Resp: 40987
Ion Ratio Lower Upper
129 100
127 80.3 53.7 99.7

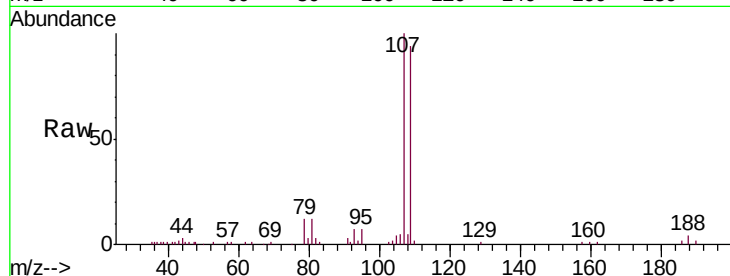




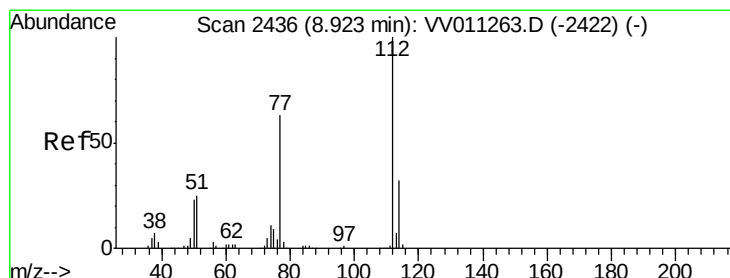
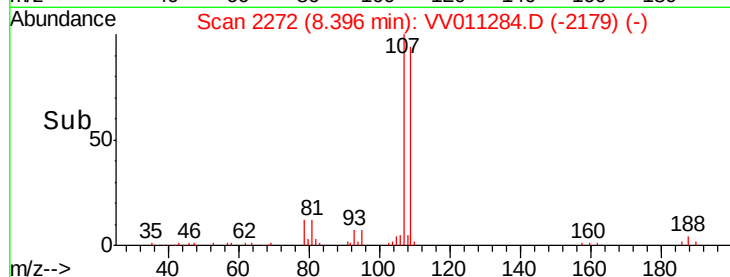
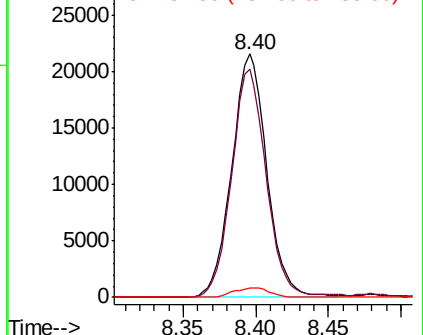
#50
1,2-Dibromoethane
Concen: 4.889 ug/L
RT: 8.40 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VV011284.D
Acq: 07 Jun 2019 11:26

Instrument :
MSVOA_V
ClientSampleId :
VSTD00533

Tgt Ion:107 Resp: 36061
Ion Ratio Lower Upper
107 100
109 93.7 64.5 119.9
188 3.8 2.7 4.1

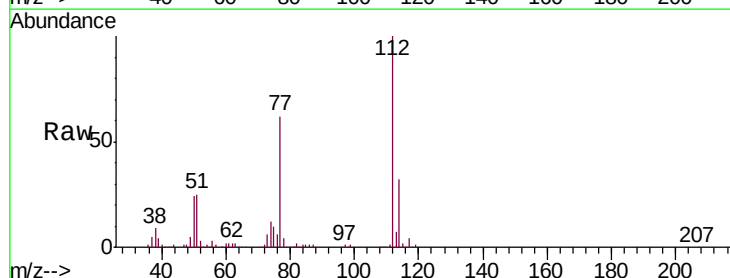


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

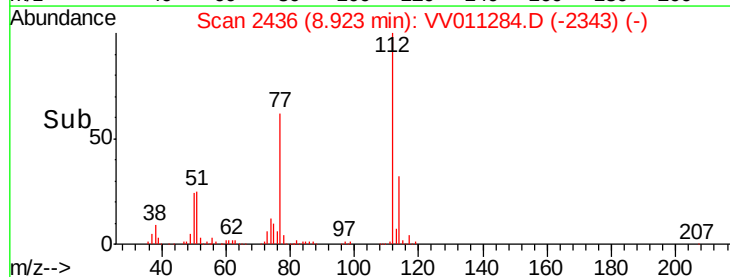
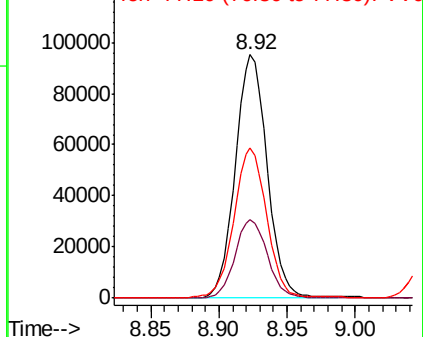


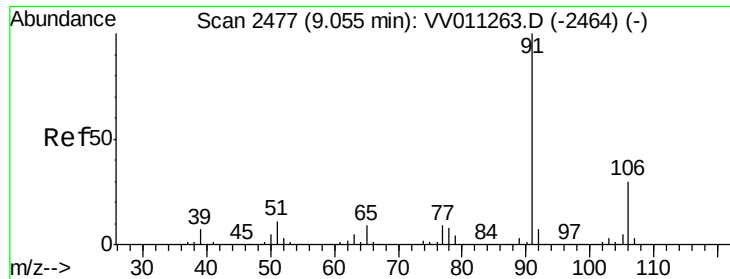
#51
Chlorobenzene
Concen: 4.884 ug/L
RT: 8.92 min Scan# 2436
Delta R.T. 0.00 min
Lab File: VV011284.D
Acq: 07 Jun 2019 11:26

Tgt Ion:112 Resp: 154614
Ion Ratio Lower Upper
112 100
114 32.2 22.6 42.0
77 61.9 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: 4.899 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. 0.00 min

Lab File: VV011284.D

Acq: 07 Jun 2019 11:26

Instrument :

MSVOA_V

ClientSampleId :

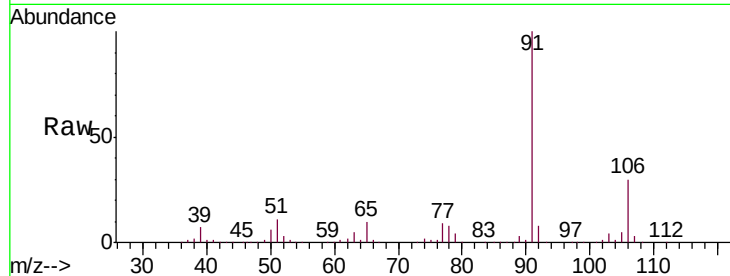
VSTD00533

Tgt Ion: 91 Resp: 282439

Ion Ratio Lower Upper

91 100

106 30.3 21.5 39.9



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 106.15 (105.85 to 106.85): V

9.05

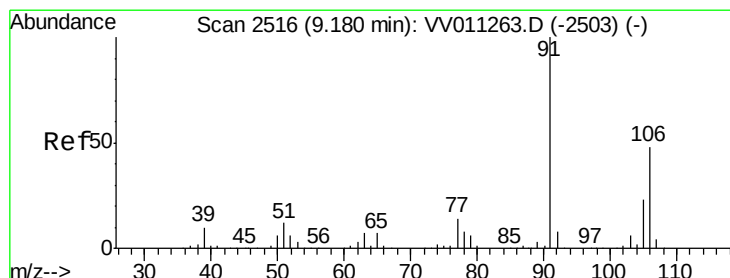
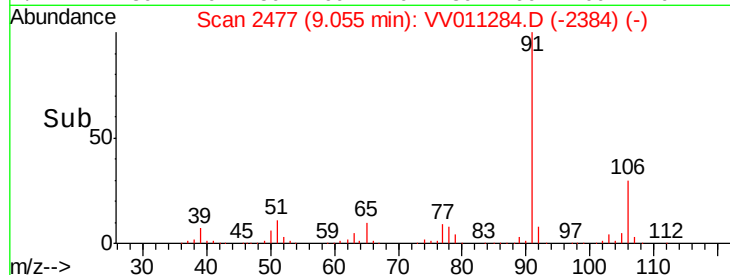
150000

100000

50000

0

Time--> 8.95 9.00 9.05 9.10 9.15



#53

m,p-xylene

Concen: 4.892 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. 0.00 min

Lab File: VV011284.D

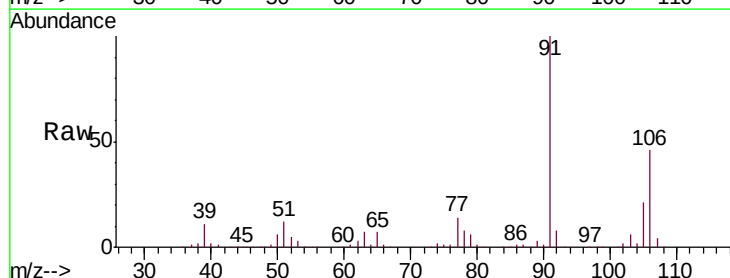
Acq: 07 Jun 2019 11:26

Tgt Ion: 106 Resp: 104285

Ion Ratio Lower Upper

106 100

91 216.7 145.5 270.3



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0

9.18

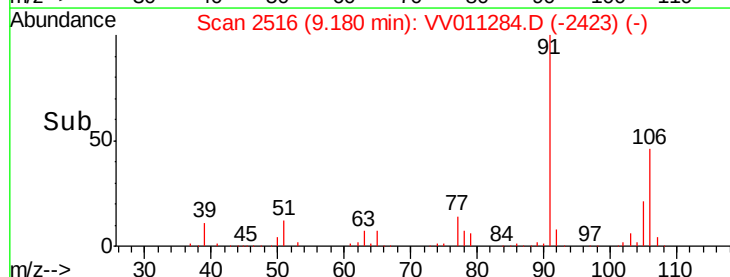
150000

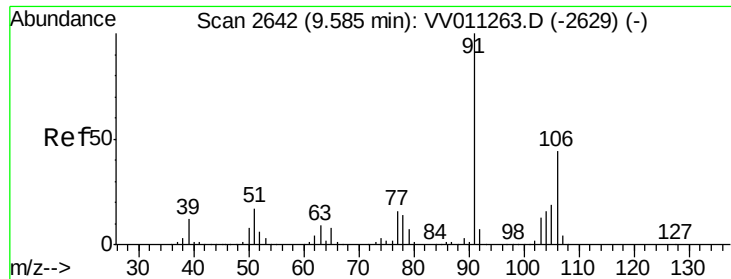
100000

50000

0

Time--> 9.10 9.20 9.30

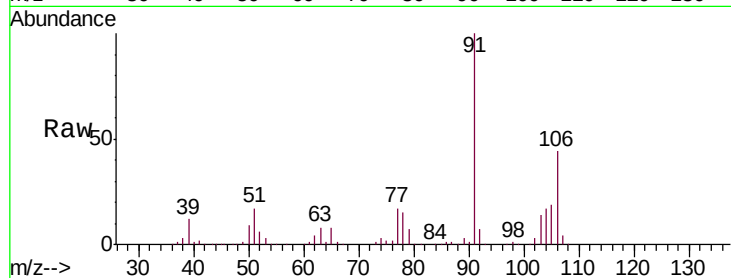




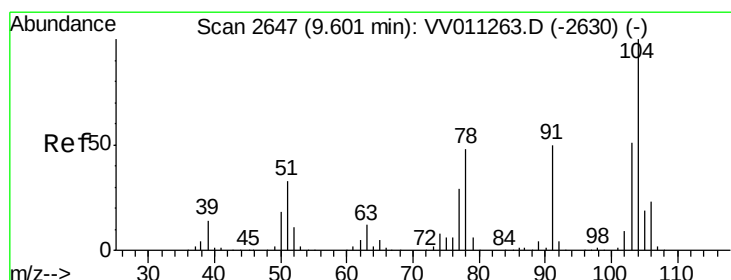
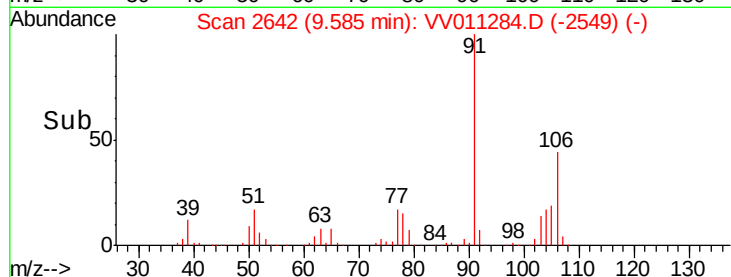
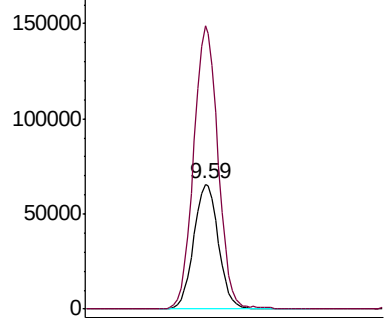
#54
o-xylene
Concen: 5.024 ug/L
RT: 9.59 min Scan# 2642
Delta R.T. 0.00 min
Lab File: VV011284.D
Acq: 07 Jun 2019 11:26

Instrument :
MSVOA_V
ClientSampleId :
VSTD00533

Tgt Ion:106 Resp: 105103
Ion Ratio Lower Upper
106 100
91 226.3 155.4 288.6

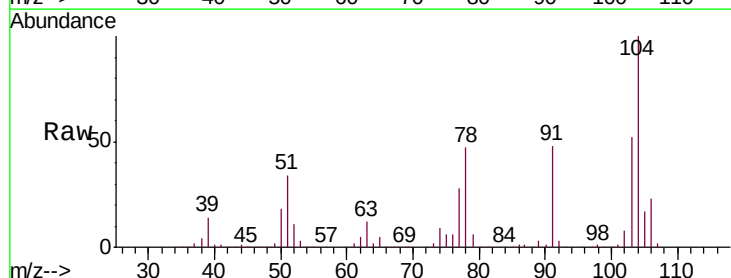


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VV0

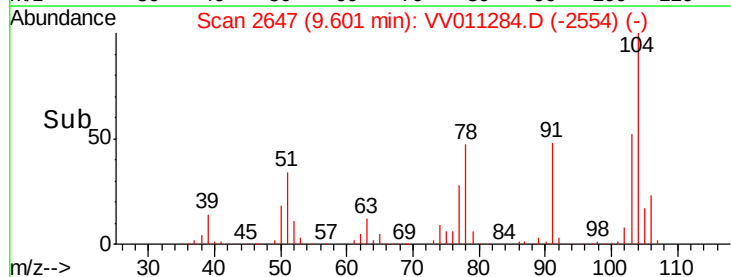
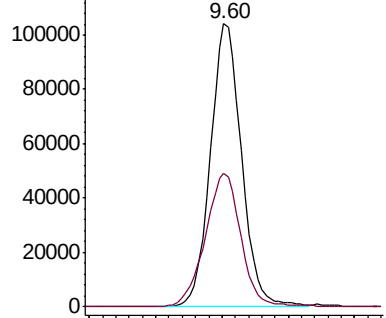


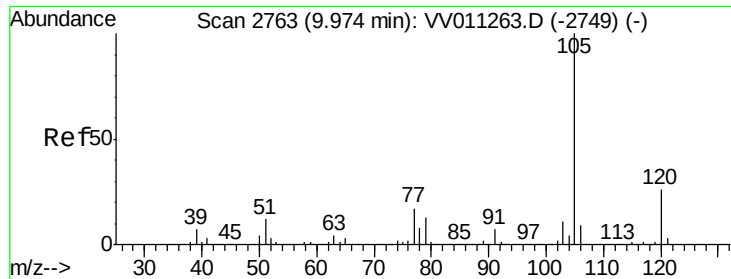
#55
Styrene
Concen: 4.994 ug/L
RT: 9.60 min Scan# 2647
Delta R.T. 0.00 min
Lab File: VV011284.D
Acq: 07 Jun 2019 11:26

Tgt Ion:104 Resp: 170147
Ion Ratio Lower Upper
104 100
78 47.4 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: 4.930 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. 0.00 min

Lab File: VV011284.D

Acq: 07 Jun 2019 11:26

Instrument :

MSVOA_V

ClientSampleId :

VSTD00533

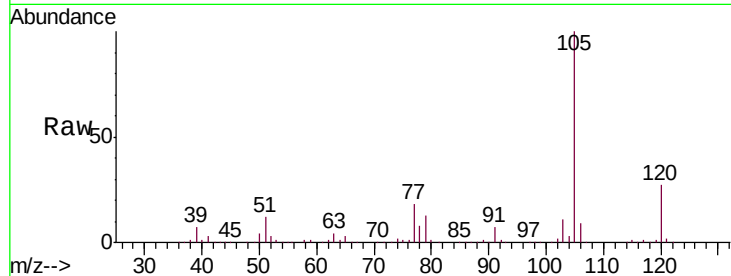
Tgt Ion: 105 Resp: 277605

Ion Ratio Lower Upper

105 100

120 26.0 20.9 31.3

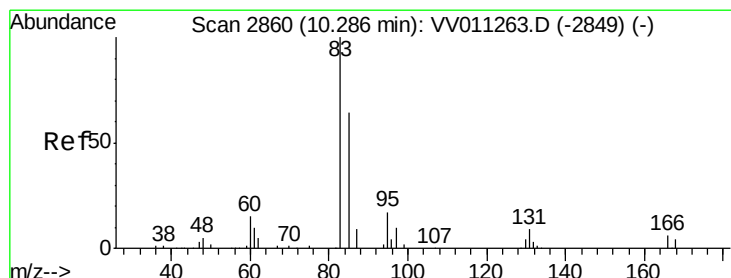
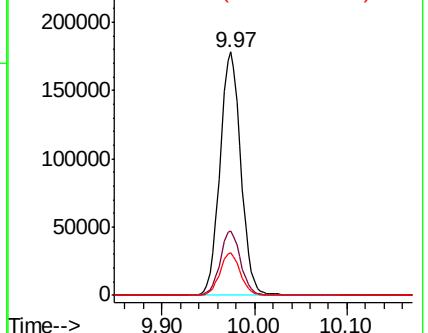
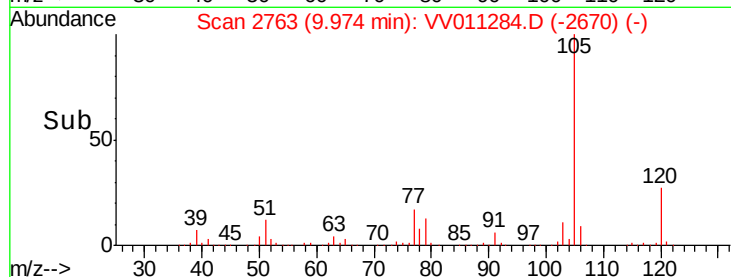
77 17.2 13.8 20.6



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: 5.383 ug/L

RT: 10.29 min Scan# 2860

Delta R.T. 0.00 min

Lab File: VV011284.D

Acq: 07 Jun 2019 11:26

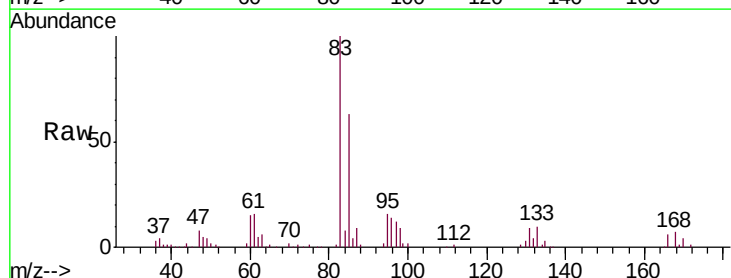
Tgt Ion: 83 Resp: 50634

Ion Ratio Lower Upper

83 100

85 63.4 43.5 80.9

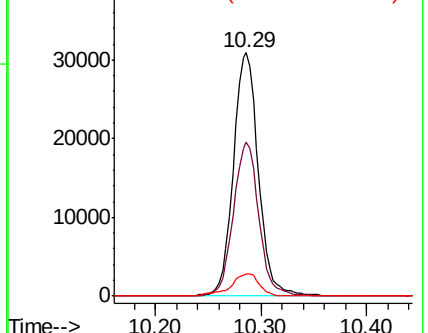
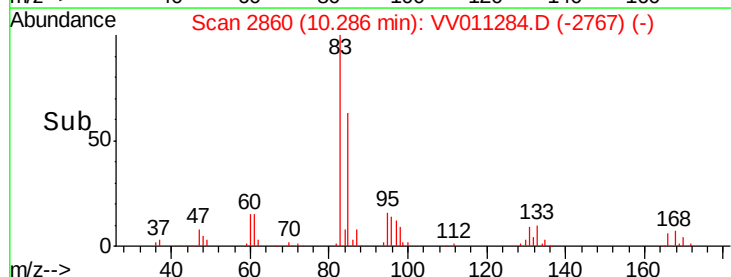
131 9.0 7.5 11.3

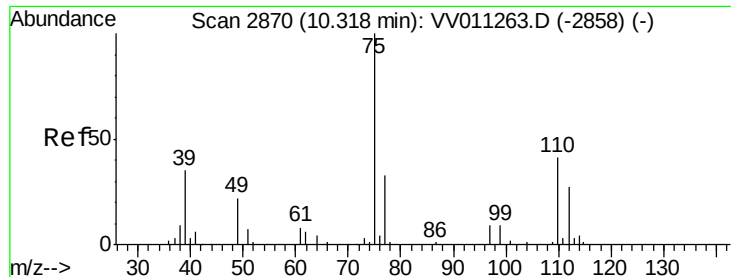


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V

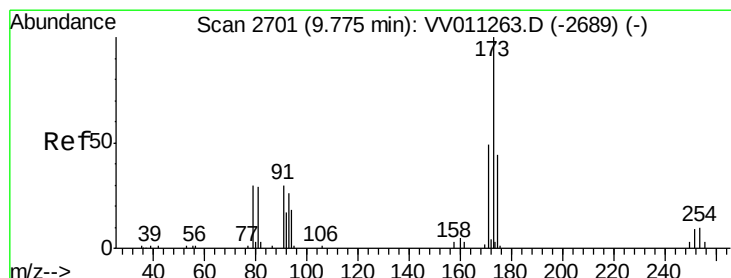
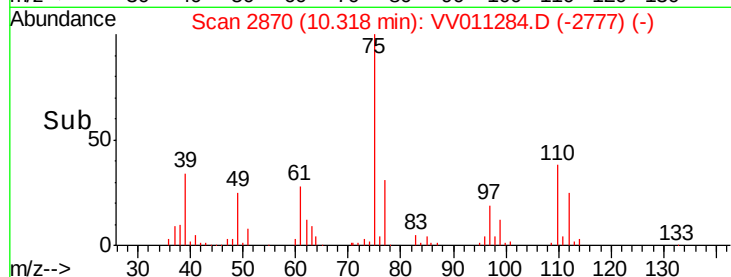
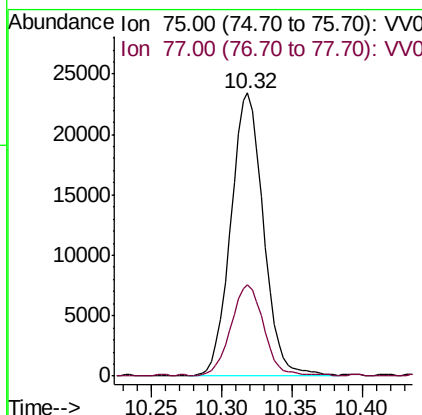
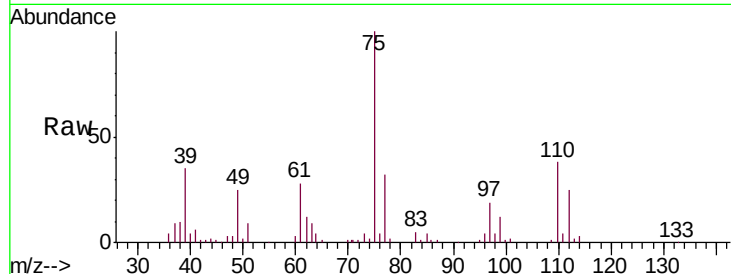




#59
 1,2,3-Trichloropropane
 Concen: 5.378 ug/L
 RT: 10.32 min Scan# 2870
 Delta R.T. 0.00 min
 Lab File: VV011284.D
 Acq: 07 Jun 2019 11:26

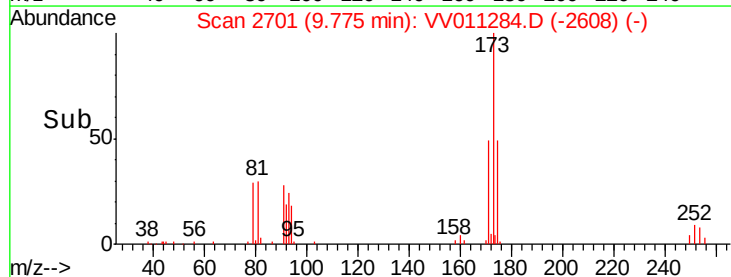
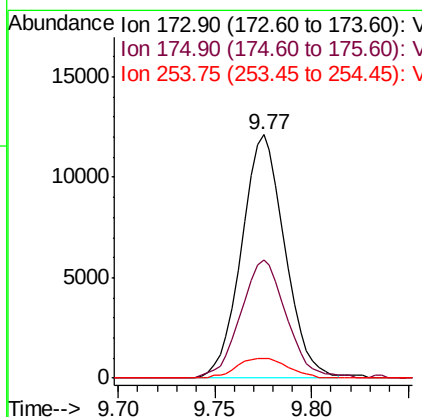
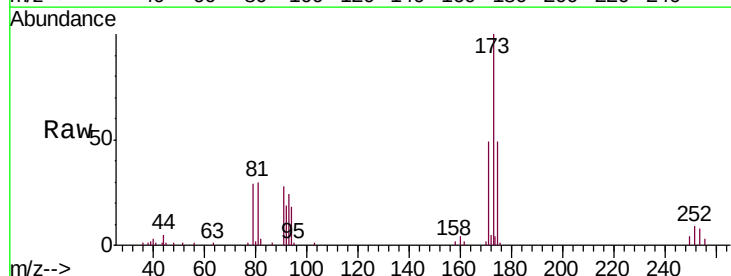
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00533

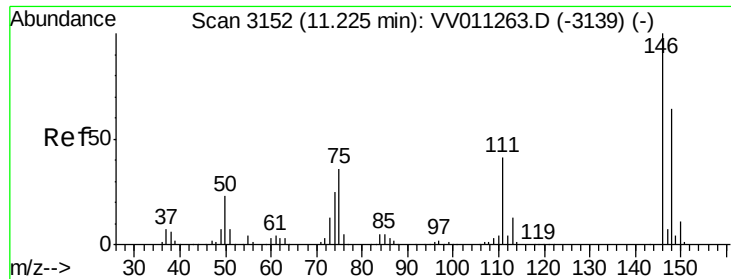
Tgt Ion: 75 Resp: 38025
 Ion Ratio Lower Upper
 75 100
 77 32.9 26.7 40.1



#61
 Bromoform
 Concen: 4.428 ug/L
 RT: 9.77 min Scan# 2701
 Delta R.T. 0.00 min
 Lab File: VV011284.D
 Acq: 07 Jun 2019 11:26

Tgt Ion: 173 Resp: 18893
 Ion Ratio Lower Upper
 173 100
 175 51.2 37.0 55.4
 254 9.6 6.9 10.3

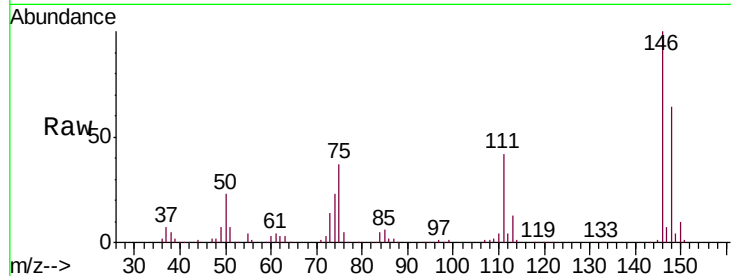




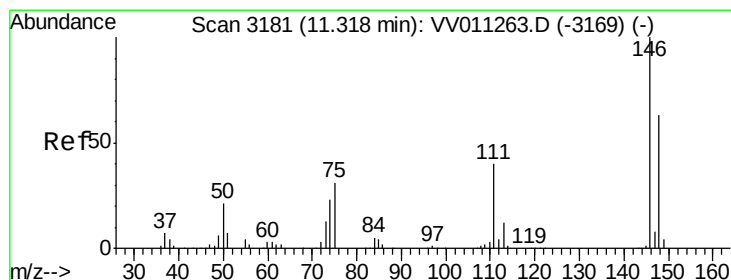
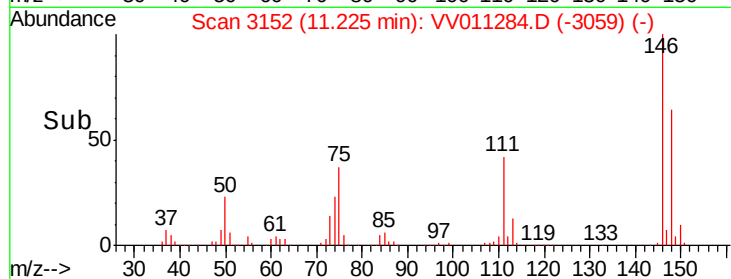
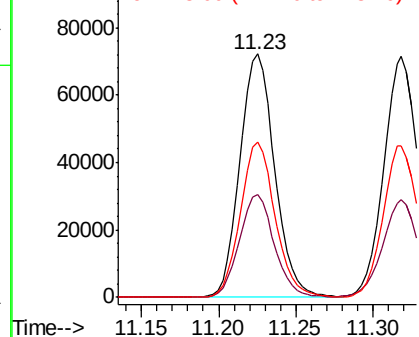
#62
 1,3-Dichlorobenzene
 Concen: 4.804 ug/L
 RT: 11.23 min Scan# 3152
 Delta R.T. 0.00 min
 Lab File: VV011284.D
 Acq: 07 Jun 2019 11:26

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00533

Tgt Ion:146 Resp: 112844
 Ion Ratio Lower Upper
 146 100
 111 42.3 29.0 53.9
 148 63.8 44.0 81.8

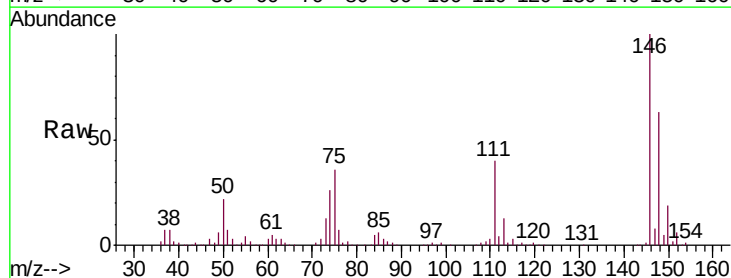


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

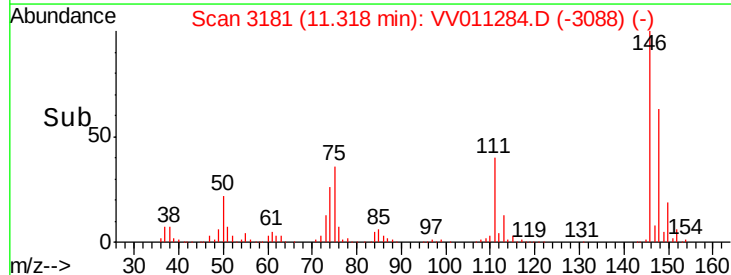
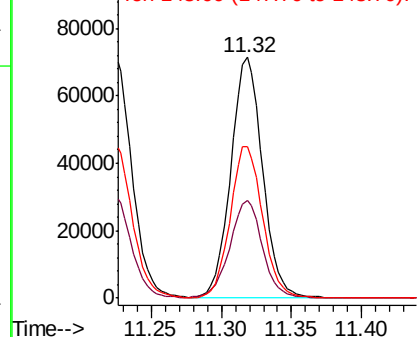


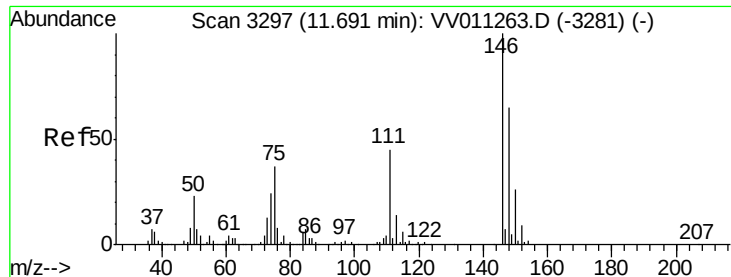
#63
 1,4-Dichlorobenzene
 Concen: 4.907 ug/L
 RT: 11.32 min Scan# 3181
 Delta R.T. 0.00 min
 Lab File: VV011284.D
 Acq: 07 Jun 2019 11:26

Tgt Ion:146 Resp: 111887
 Ion Ratio Lower Upper
 146 100
 111 40.5 28.3 52.5
 148 63.0 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: 5.059 ug/L

RT: 11.69 min Scan# 3296

Delta R.T. -0.00 min

Lab File: VV011284.D

Acq: 07 Jun 2019 11:26

Instrument :

MSVOA_V

ClientSampleId :

VSTD00533

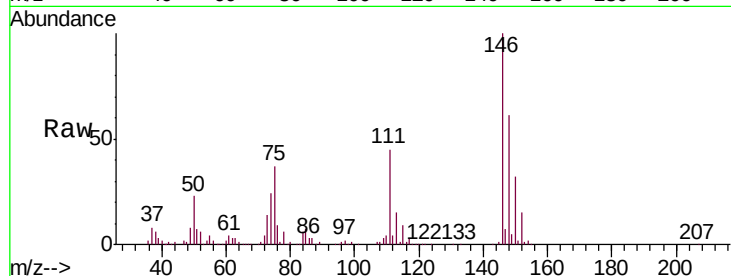
Tgt Ion:146 Resp: 109846

Ion Ratio Lower Upper

146 100

111 44.6 33.9 50.9

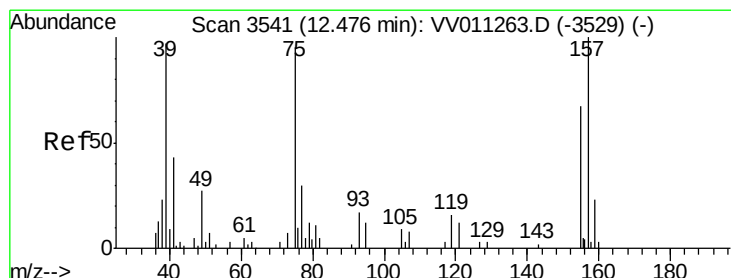
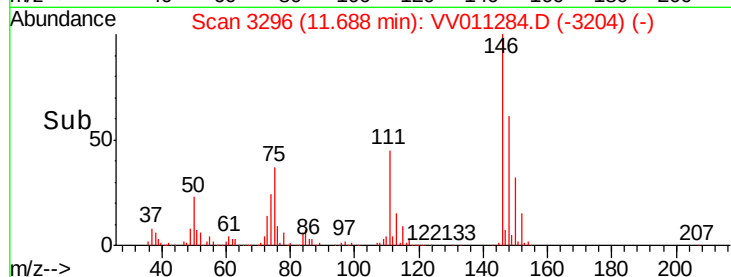
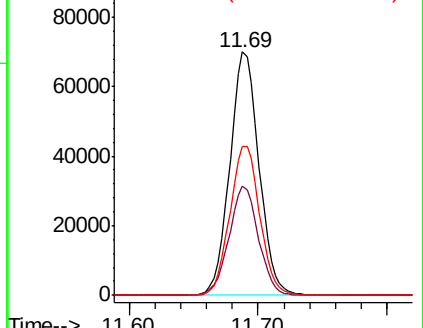
148 60.9 50.3 75.5



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: 4.739 ug/L

RT: 12.48 min Scan# 3541

Delta R.T. 0.00 min

Lab File: VV011284.D

Acq: 07 Jun 2019 11:26

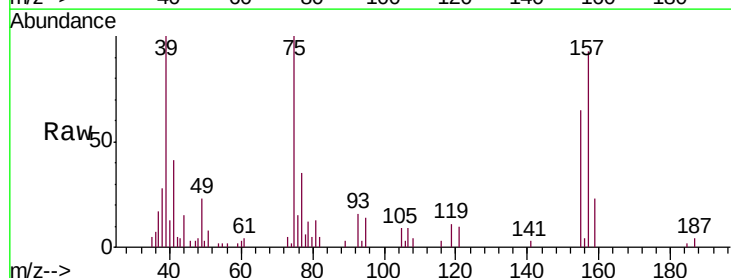
Tgt Ion: 75 Resp: 7373

Ion Ratio Lower Upper

75 100

155 65.3 64.4 96.6

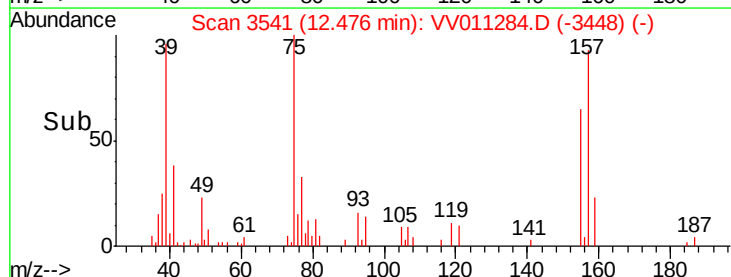
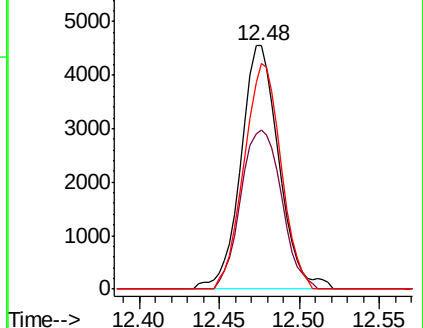
157 92.9 66.7 100.1

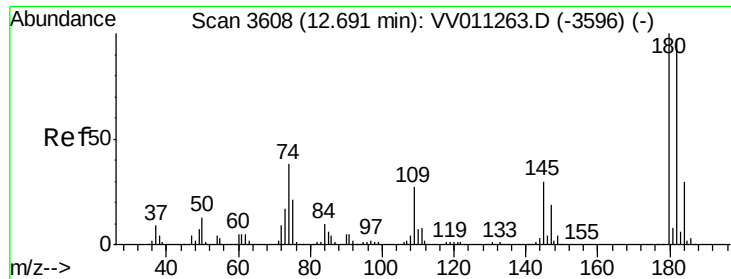


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

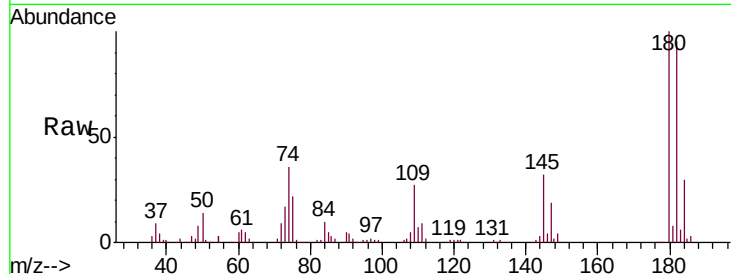




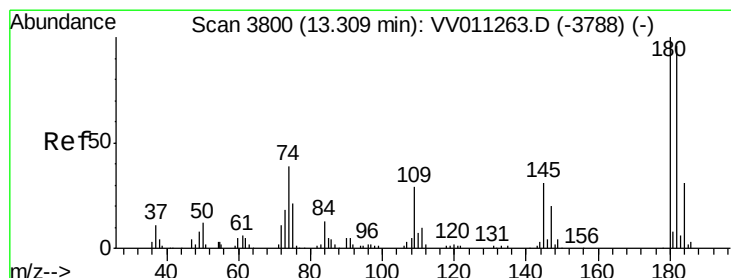
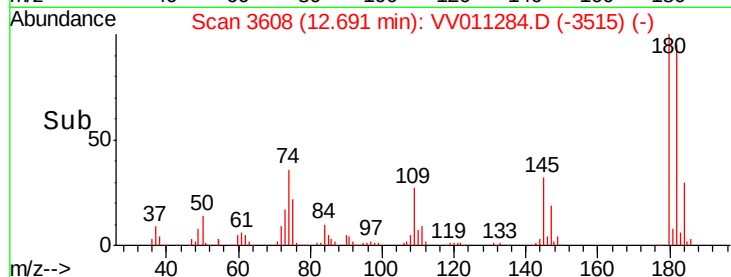
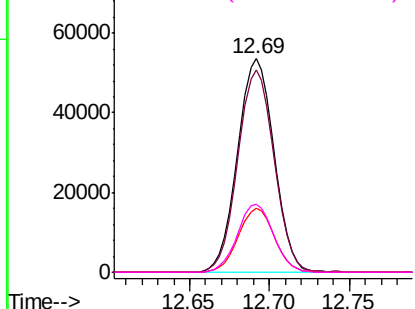
#67
 1,3,5-Trichlorobenzene
 Concen: 4.926 ug/L
 RT: 12.69 min Scan# 3608
 Delta R.T. 0.00 min
 Lab File: VV011284.D
 Acq: 07 Jun 2019 11:26

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00533

Tgt Ion:180 Resp: 83249
 Ion Ratio Lower Upper
 180 100
 182 94.0 76.7 115.1
 184 29.5 23.8 35.8
 145 31.5 24.2 36.2

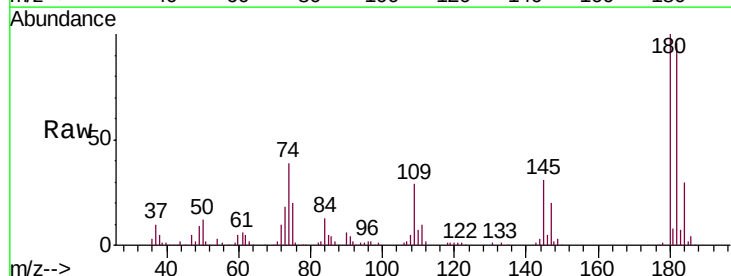


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

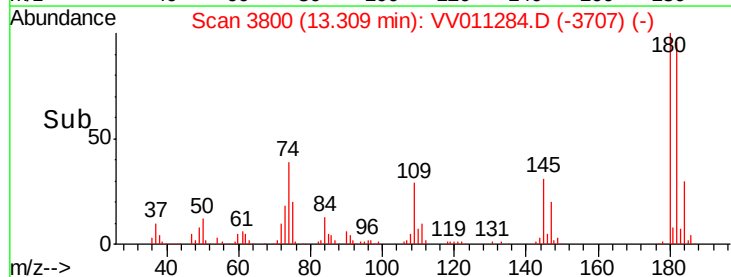
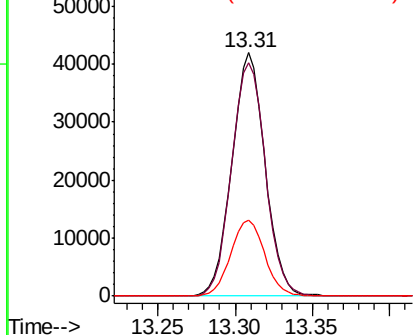


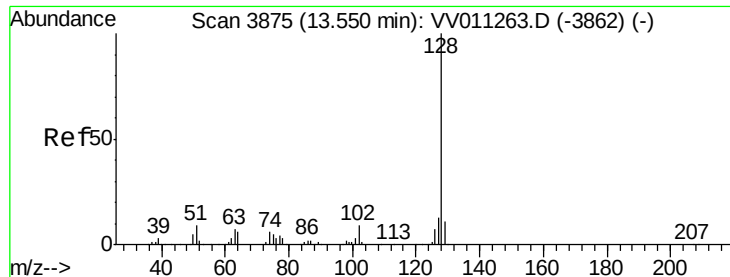
#68
 1,2,4-trichlorobenzene
 Concen: 4.860 ug/L
 RT: 13.31 min Scan# 3800
 Delta R.T. 0.00 min
 Lab File: VV011284.D
 Acq: 07 Jun 2019 11:26

Tgt Ion:180 Resp: 62356
 Ion Ratio Lower Upper
 180 100
 182 98.0 78.8 118.2
 145 31.9 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: 5.389 ug/L

RT: 13.55 min Scan# 3875

Delta R.T. 0.00 min

Lab File: VV011284.D

Acq: 07 Jun 2019 11:26

Instrument :

MSVOA_V

ClientSampleId :

VSTD00533

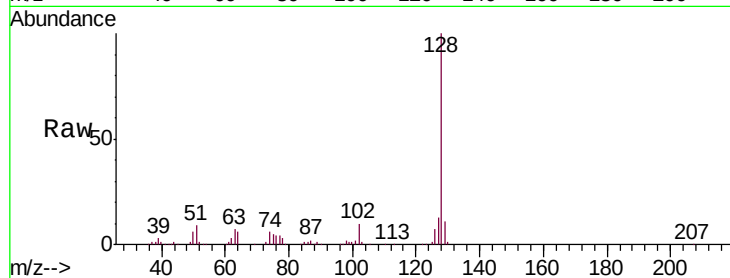
Tgt Ion:128 Resp: 113169

Ion Ratio Lower Upper

128 100

129 10.9 8.9 13.3

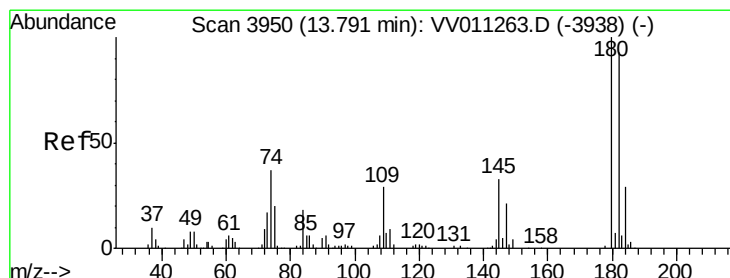
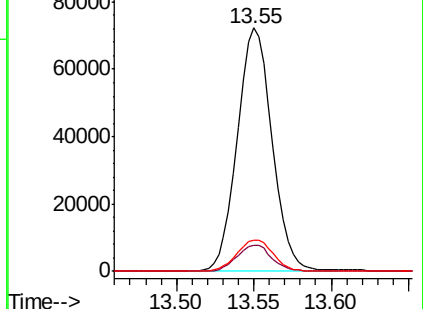
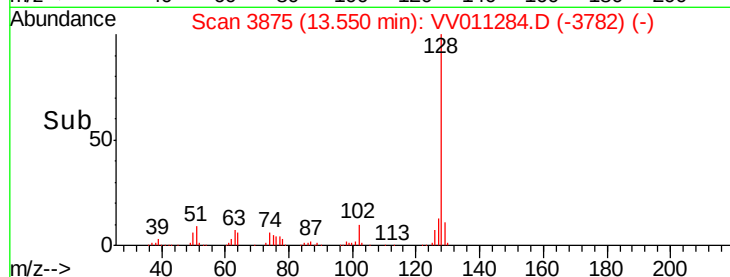
127 13.6 10.5 15.7



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: 5.193 ug/L

RT: 13.79 min Scan# 3950

Delta R.T. 0.00 min

Lab File: VV011284.D

Acq: 07 Jun 2019 11:26

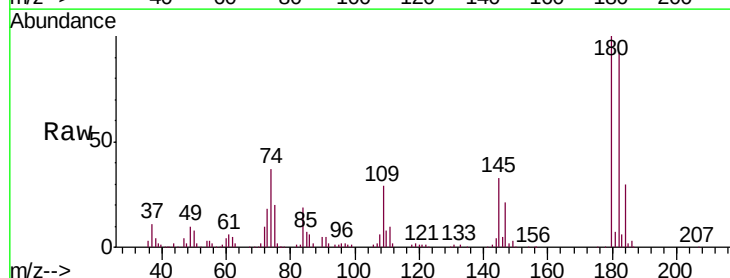
Tgt Ion:180 Resp: 59748

Ion Ratio Lower Upper

180 100

182 94.3 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

