

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV082319\
 Data File : VV012363.D
 Acq On : 23 Aug 2019 14:08
 Operator : SY/MD
 Sample : VSTD02031
 Misc : 25mL/MSVOA_V/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02031

Quant Time: Aug 24 00:34:58 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR082319WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Aug 24 00:30:48 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	257681	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	245270	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	128197	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	269669	17.41	ug/L	0.00
7) Chloroethane-d5	1.58	69	184675	15.78	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	472255	18.35	ug/L	0.00
20) 2-Butanone-d5	3.95	46	775187	225.85	ug/L	0.00
24) Chloroform-d	4.40	84	618774	19.85	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	292061	19.83	ug/L	0.00
32) Benzene-d6	5.09	84	1276286	20.60	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	379592	20.69	ug/L	0.00
41) Toluene-d8	7.36	98	1183141	20.97	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.66	79	145715	20.82	ug/L	0.00
46) 2-Hexanone-d5	8.13	63	575792	261.75	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.26	84	261873	20.82	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.67	152	422676	19.57	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	472866	19.690 ug/L	100
3) Chloromethane	1.25	50	356741	16.817 ug/L	99
5) Vinyl chloride	1.32	62	350837	16.235 ug/L	99
6) Bromomethane	1.54	94	162086	13.726 ug/L	95
8) Chloroethane	1.60	64	167923	13.839 ug/L	98
9) Trichlorofluoromethane	1.77	101	471314	17.104 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	238838	17.036 ug/L	97
12) 1,1-Dichloroethene	2.14	96	224728	17.114 ug/L	97
13) Acetone	2.21	43	320126	156.499 ug/L	95
14) Carbon disulfide	2.32	76	679874	17.609 ug/L	100
15) Methyl Acetate	2.46	43	77940	15.236 ug/L	96
16) Methylene chloride	2.53	84	219475	15.552 ug/L	98
17) Methyl tert-butyl Ether	2.81	73	699135	19.214 ug/L	99
18) trans-1,2-Dichloroethene	2.78	96	332530	18.807 ug/L	97
19) 1,1-Dichloroethane	3.23	63	621150	19.252 ug/L	97
21) 2-Butanone	4.04	43	814392	195.347 ug/L	99
22) cis-1,2-Dichloroethene	3.96	96	362604	18.914 ug/L	98
23) Bromochloromethane	4.30	128	150439	18.481 ug/L	98
25) Chloroform	4.42	83	616237	16.920 ug/L	100
27) 1,2-Dichloroethane	5.18	62	362316	18.318 ug/L	99
29) 1,1,1-Trichloroethane	4.65	97	535849	18.598 ug/L	99
30) Cyclohexane	4.72	56	596754	20.722 ug/L	100
31) Carbon tetrachloride	4.87	117	481960	18.569 ug/L	98
33) Benzene	5.14	78	1390762	19.463 ug/L	100
34) Trichloroethene	5.96	95	362201	18.692 ug/L	99
35) Methylcyclohexane	6.17	83	615923	20.664 ug/L	98
37) 1,2-Dichloropropane	6.22	63	345357	19.318 ug/L	98
38) Bromodichloromethane	6.55	83	429559	18.749 ug/L	99
39) cis-1,3-Dichloropropene	7.07	75	514264	21.294 ug/L	97
40) 4-Methyl-2-pentanone	7.27	43	2001990	205.662 ug/L	99

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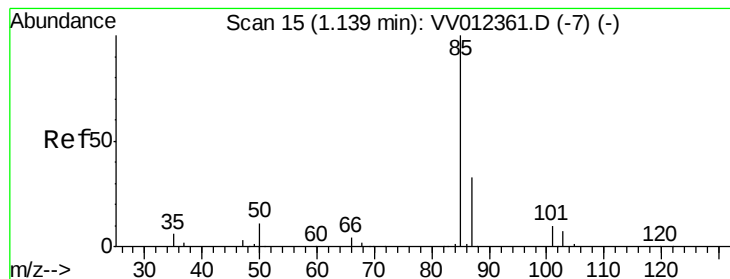
Instrument :
 MSVOA_V
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Quant Time: Aug 24 00:34:58 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR082319WMA.M
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

42) Toluene	7.43	91	1482588	19.653	ug/L	100
44) trans-1,3-Dichloropropene	7.69	75	392599	20.394	ug/L	98
45) 1,1,2-Trichloroethane	7.88	97	223553	18.902	ug/L	99
47) Tetrachloroethene	8.02	164	302097	19.069	ug/L	98
48) 2-Hexanone	8.18	43	1415759	206.294	ug/L	98
49) Dibromochloromethane	8.29	129	283392	19.358	ug/L	99
50) 1,2-Dibromoethane	8.40	107	212681	18.670	ug/L	98
51) Chlorobenzene	8.92	112	925910	18.981	ug/L	99
52) Ethylbenzene	9.05	91	1645070	20.451	ug/L	100
53) m,p-xylene	9.18	106	628169	20.467	ug/L	99
54) o-xylene	9.59	106	606566	20.844	ug/L	99
55) Styrene	9.60	104	1034341	21.273	ug/L	99
56) Isopropylbenzene	9.97	105	1622003	20.765	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.28	83	256503	18.930	ug/L	98
59) 1,2,3-Trichloropropane	10.32	75	188151	18.789	ug/L	100
61) Bromoform	9.77	173	158080	19.990	ug/L	95
62) 1,3-Dichlorobenzene	11.22	146	750824	18.432	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	744903	18.342	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	685958	18.339	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.47	75	40564	17.128	ug/L	91
67) 1,3,5-Trichlorobenzene	12.69	180	601118	19.460	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	486199	21.368	ug/L	98
69) Naphthalene	13.55	128	744969	23.167	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	444662	20.790	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 19.690 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV012363.D

Acq: 23 Aug 2019 14:08

Instrument :

MSVOA_V

ClientSampleId :

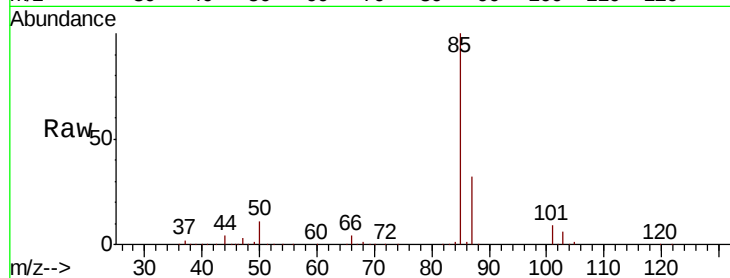
VSTD02031

Tgt Ion: 85 Resp: 472866

Ion Ratio Lower Upper

85 100

87 32.3 25.8 38.8



Abundance Ion 85.00 (84.70 to 85.70): VV012363.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VV012363.D (-7) (-)

1.14

400000

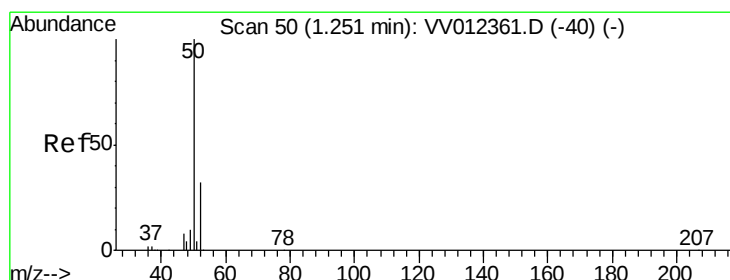
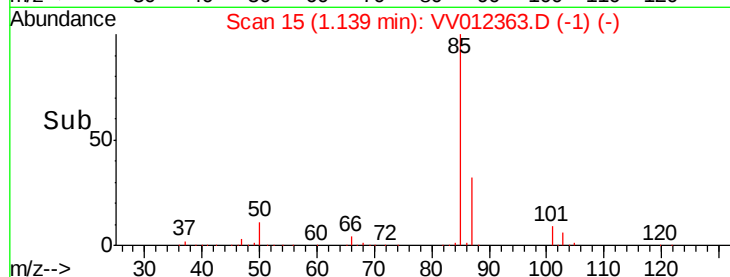
300000

200000

100000

0

Time-->



#3

Chloromethane

Concen: 16.817 ug/L

RT: 1.25 min Scan# 50

Delta R.T. -0.00 min

Lab File: VV012363.D

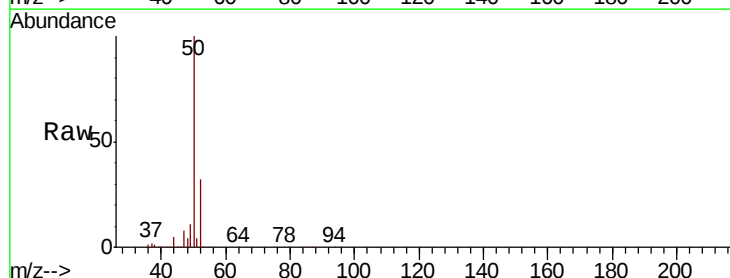
Acq: 23 Aug 2019 14:08

Tgt Ion: 50 Resp: 356741

Ion Ratio Lower Upper

50 100

52 32.0 22.2 41.2



Abundance Ion 50.05 (49.75 to 50.75): VV012363.D (-1) (-)

Ion 52.05 (51.75 to 52.75): VV012363.D (-1) (-)

1.25

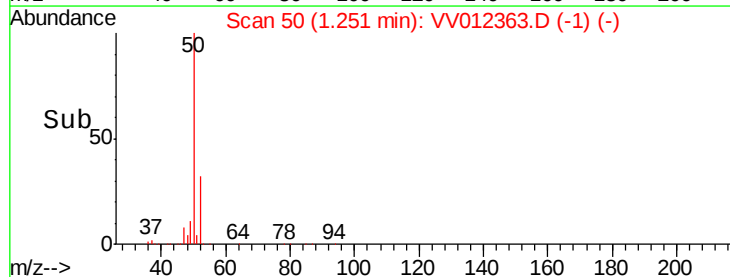
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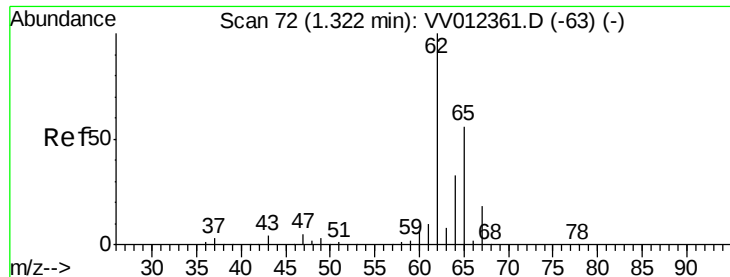
200000

100000

0

Time-->





#5

Vinyl chloride

Concen: 16.235 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV012363.D

Acq: 23 Aug 2019 14:08

Instrument :

MSVOA_V

ClientSampleId :

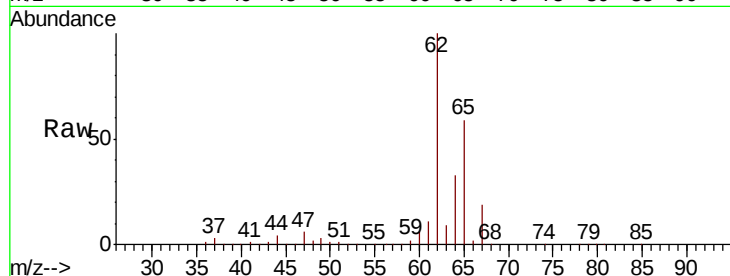
VSTD02031

Tgt Ion: 62 Resp: 350837

Ion Ratio Lower Upper

62 100

64 32.6 23.2 43.2



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0

1.32

300000

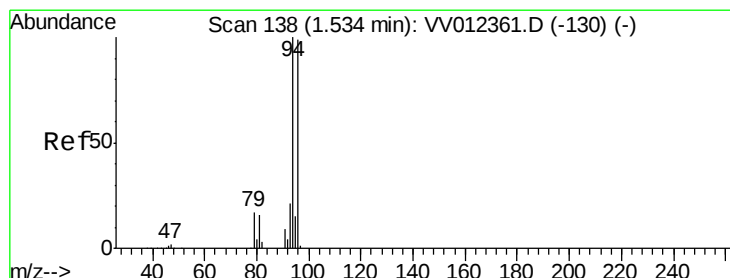
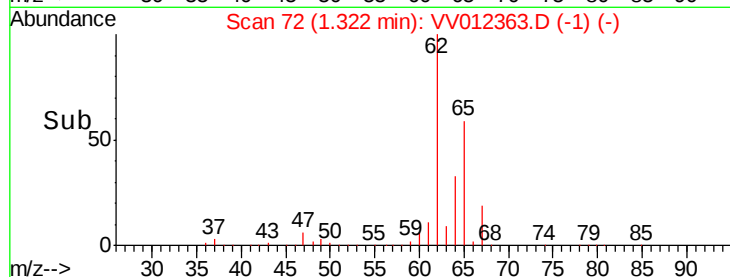
200000

100000

0

Time-->

1.25 1.30 1.35 1.40 1.45



#6

Bromomethane

Concen: 13.726 ug/L

RT: 1.54 min Scan# 139

Delta R.T. 0.00 min

Lab File: VV012363.D

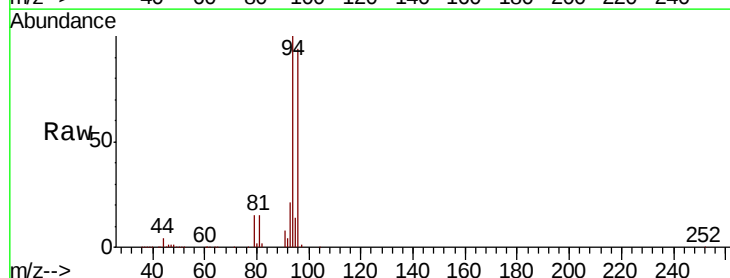
Acq: 23 Aug 2019 14:08

Tgt Ion: 94 Resp: 162086

Ion Ratio Lower Upper

94 100

96 94.0 69.2 128.6



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

150000

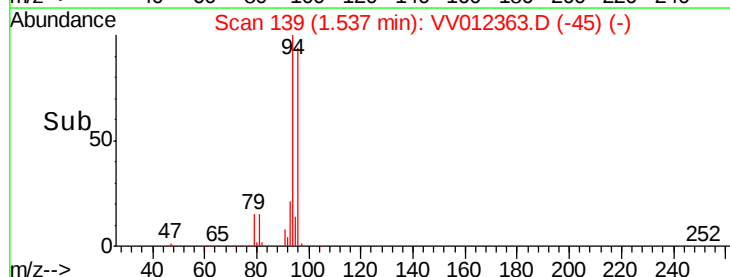
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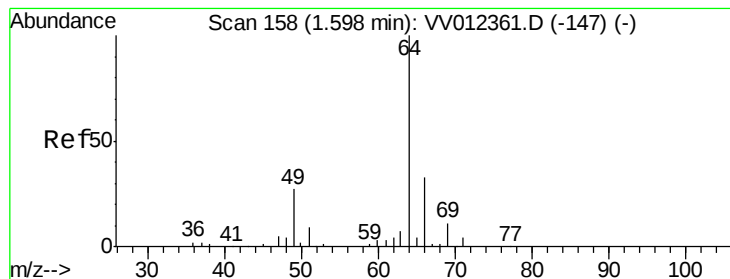
50000

0

Time-->

1.45 1.50 1.55 1.60 1.65





#8

Chloroethane

Concen: 13.839 ug/L

RT: 1.60 min Scan# 158

Delta R.T. -0.00 min

Lab File: VV012363.D

Acq: 23 Aug 2019 14:08

Instrument :

MSVOA_V

ClientSampleId :

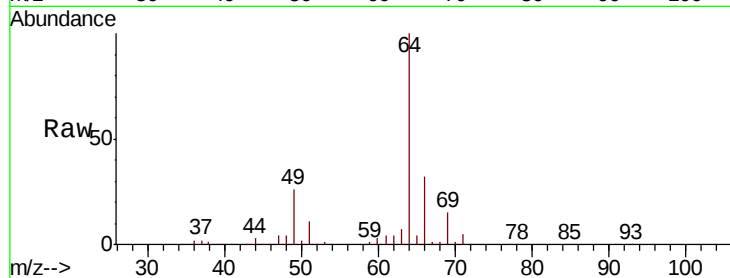
VSTD02031

Tgt Ion: 64 Resp: 167923

Ion Ratio Lower Upper

64 100

66 32.1 23.2 43.0



Abundance Ion 64.10 (63.80 to 64.80): VV012363.D (-147) (-)

Ion 66.05 (65.75 to 66.75): VV012363.D (-147) (-)

1.60

150000

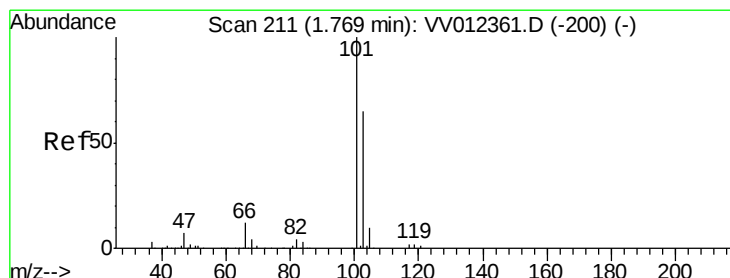
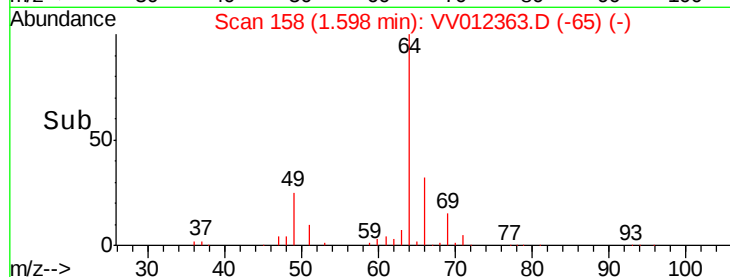
100000

50000

0

1.55 1.60 1.65 1.70

Time-->



#9

Trichlorofluoromethane

Concen: 17.104 ug/L

RT: 1.77 min Scan# 210

Delta R.T. -0.00 min

Lab File: VV012363.D

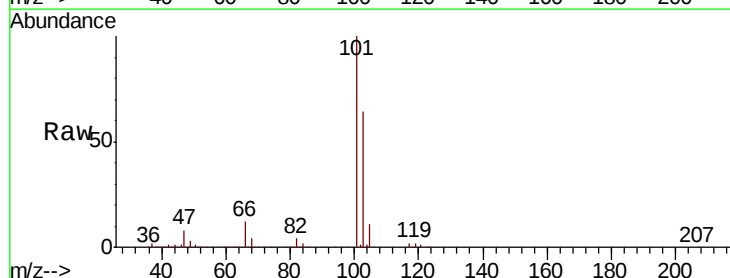
Acq: 23 Aug 2019 14:08

Tgt Ion: 101 Resp: 471314

Ion Ratio Lower Upper

101 100

103 63.9 51.2 76.8



Abundance Ion 101.00 (100.70 to 101.70): VV012363.D (-200) (-)

Ion 103.00 (102.70 to 103.70): VV012363.D (-200) (-)

1.77

400000

300000

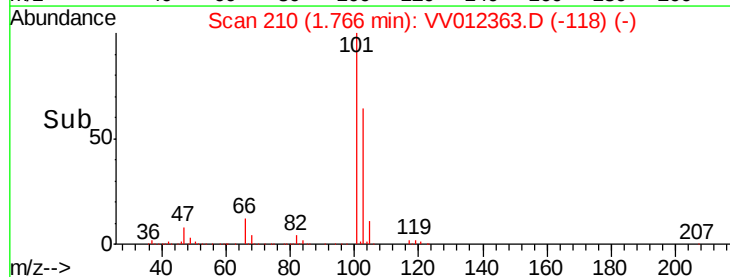
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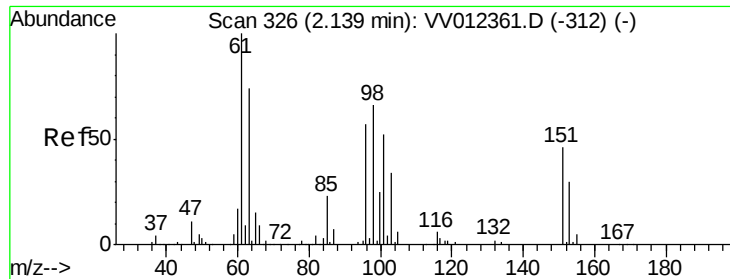
100000

0

1.70 1.75 1.80 1.85 1.90

Time-->





#10

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

Concen: 17.036 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV012363.D

Acq: 23 Aug 2019 14:08

Instrument :

MSVOA_V

ClientSampleId :

VSTD02031

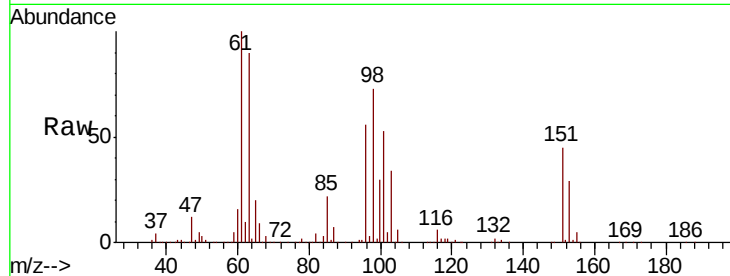
Tgt Ion: 101 Resp: 238838

Ion Ratio Lower Upper

101 100

85 42.1 34.6 51.8

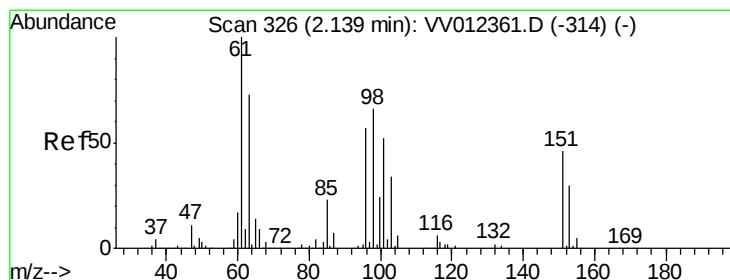
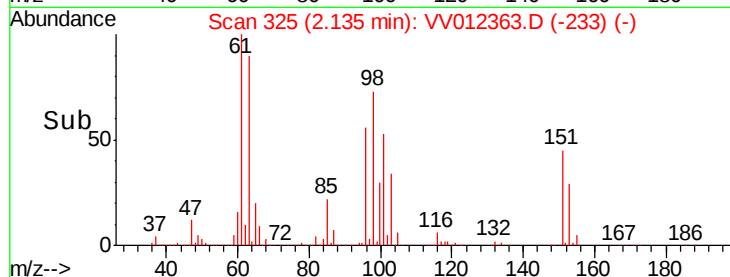
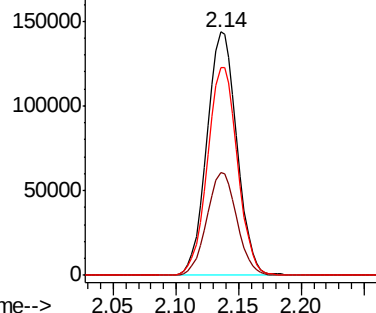
151 85.6 71.2 106.8



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: 17.114 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV012363.D

Acq: 23 Aug 2019 14:08

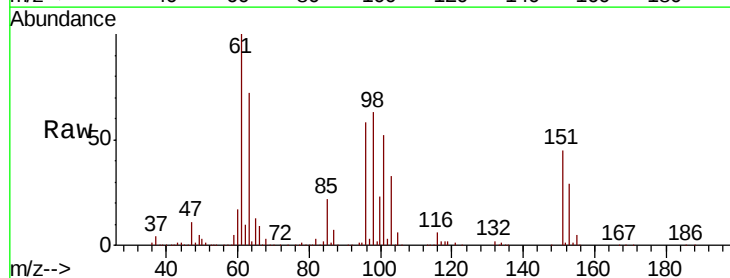
Tgt Ion: 96 Resp: 224728

Ion Ratio Lower Upper

96 100

61 172.0 122.3 227.1

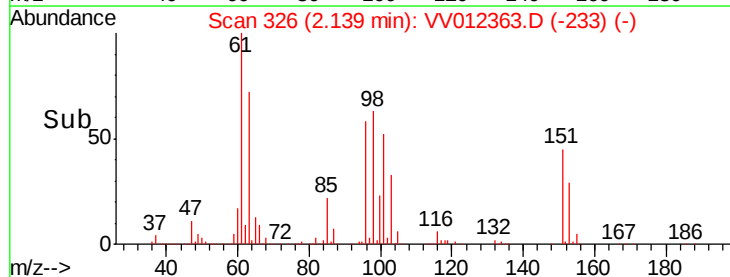
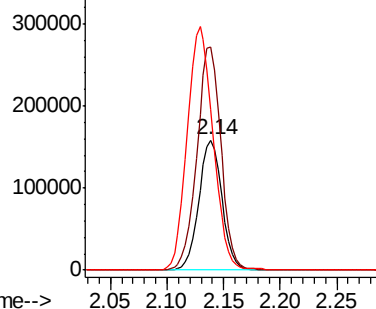
63 123.3 90.6 168.2

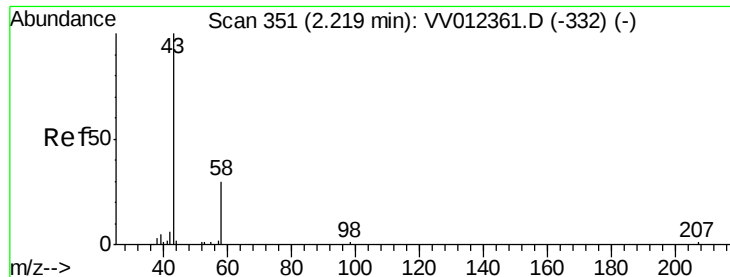


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 156.499 ug/L

RT: 2.21 min Scan# 349

Delta R.T. -0.01 min

Lab File: VV012363.D

Acq: 23 Aug 2019 14:08

Instrument :

MSVOA_V

ClientSampleId :

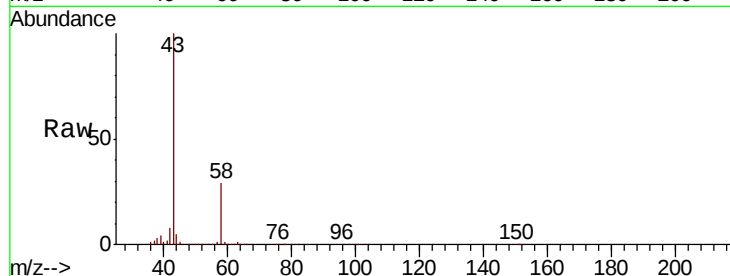
VSTD02031

Tgt Ion: 43 Resp: 320126

Ion Ratio Lower Upper

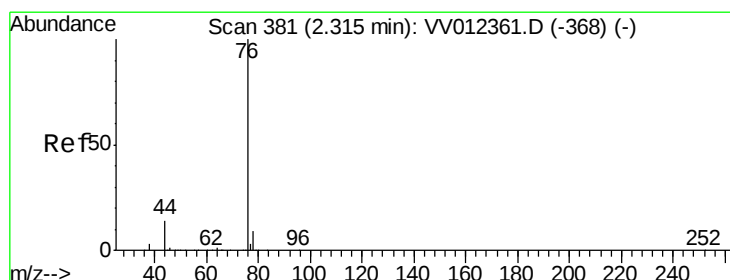
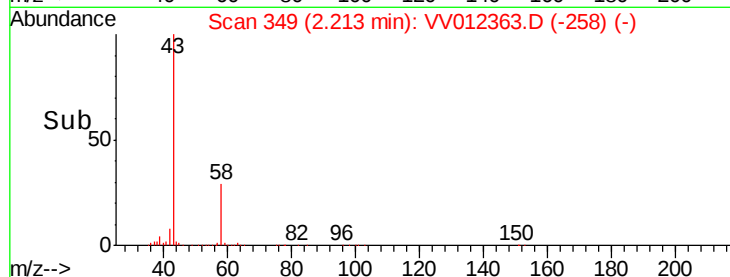
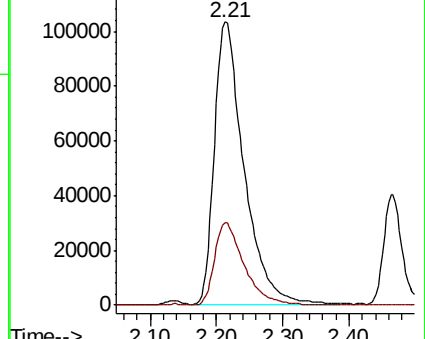
43 100

58 28.6 0.0 62.8



Abundance Ion 43.05 (42.75 to 43.75): VV012361.D (-332) (-)

Ion 58.05 (57.75 to 58.75): VV012361.D (-332) (-)



#14

Carbon disulfide

Concen: 17.609 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

Lab File: VV012363.D

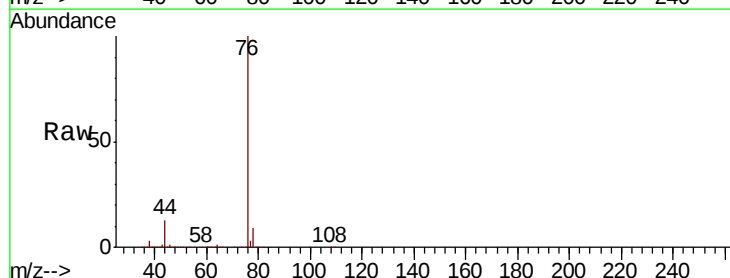
Acq: 23 Aug 2019 14:08

Tgt Ion: 76 Resp: 679874

Ion Ratio Lower Upper

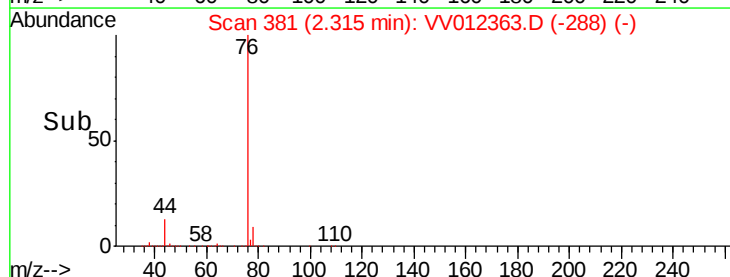
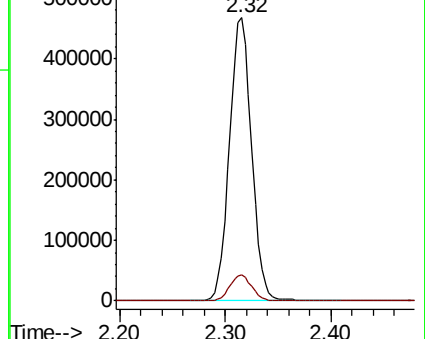
76 100

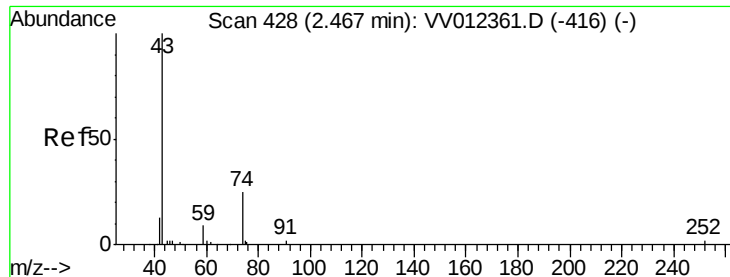
78 9.1 7.3 10.9



Abundance Ion 76.05 (75.75 to 76.75): VV012361.D (-368) (-)

Ion 78.00 (77.70 to 78.70): VV012361.D (-368) (-)

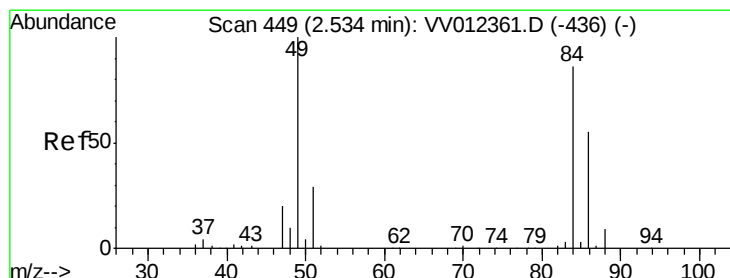
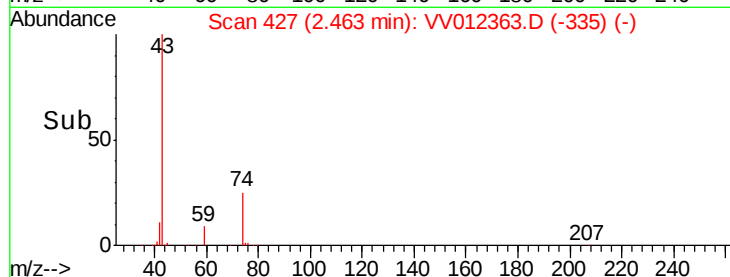
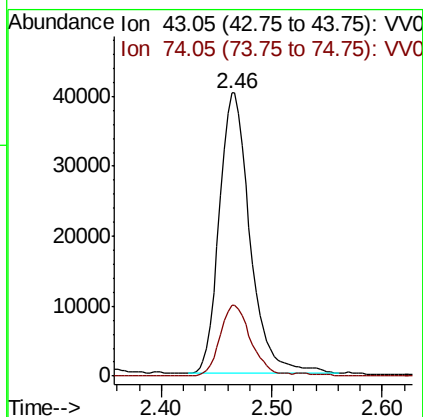
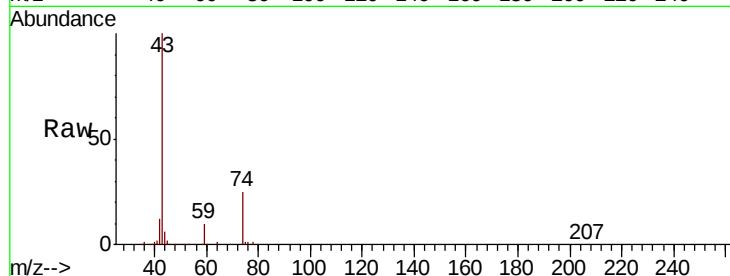




#15
Methyl Acetate
Concen: 15.236 ug/L
RT: 2.46 min Scan# 427
Delta R.T. -0.00 min
Lab File: VV012363.D
Acq: 23 Aug 2019 14:08

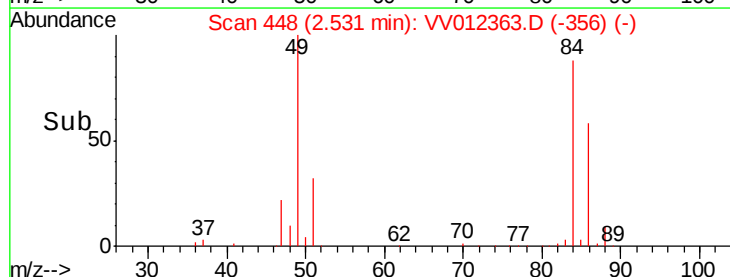
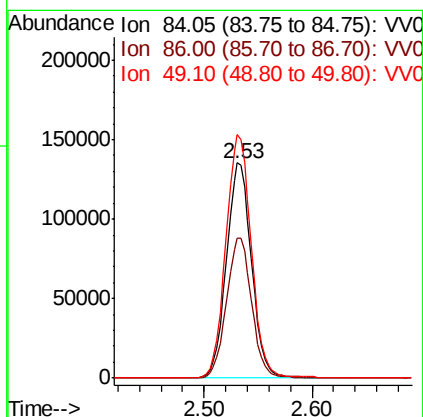
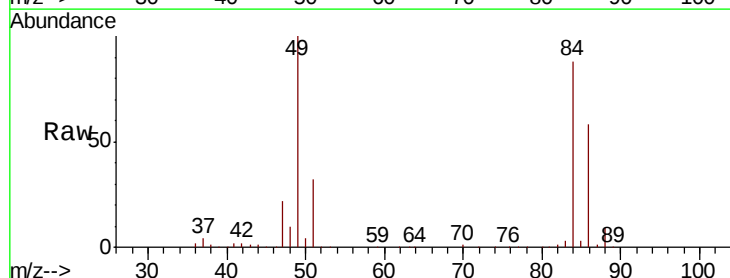
Instrument :
MSVOA_V
ClientSampleId :
VSTD02031

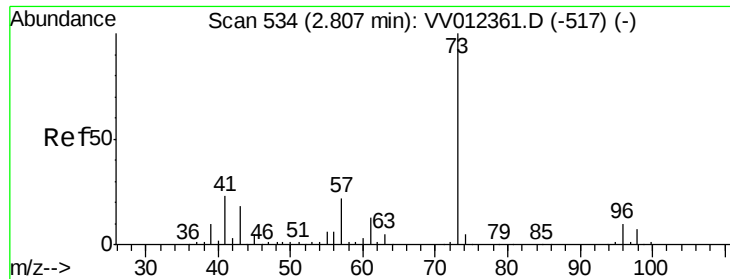
Tgt Ion: 43 Resp: 77940
Ion Ratio Lower Upper
43 100
74 25.4 21.8 32.6



#16
Methylene chloride
Concen: 15.552 ug/L
RT: 2.53 min Scan# 448
Delta R.T. -0.00 min
Lab File: VV012363.D
Acq: 23 Aug 2019 14:08

Tgt Ion: 84 Resp: 219475
Ion Ratio Lower Upper
84 100
86 65.4 44.9 83.5
49 113.3 81.1 150.7

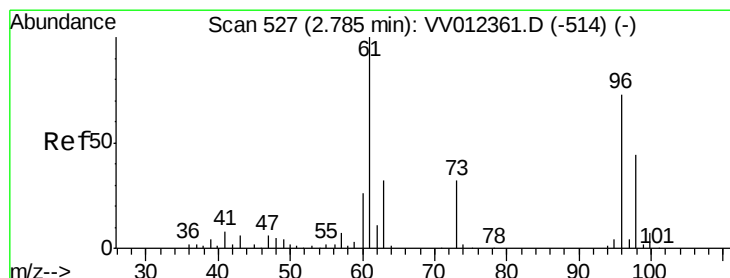
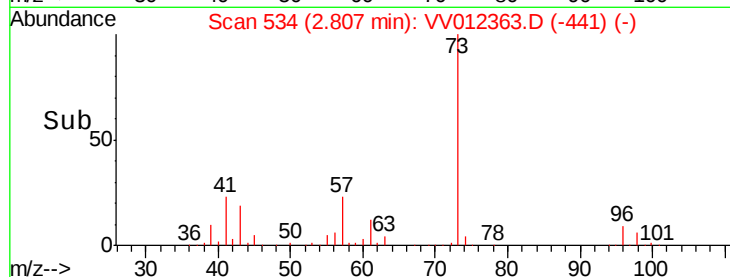
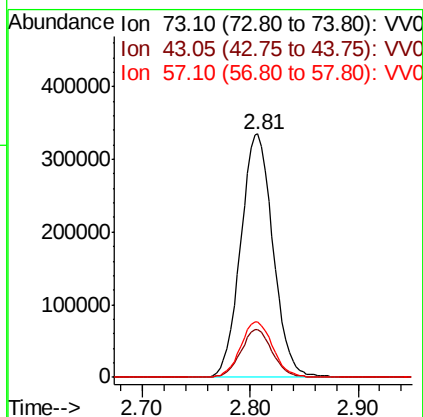
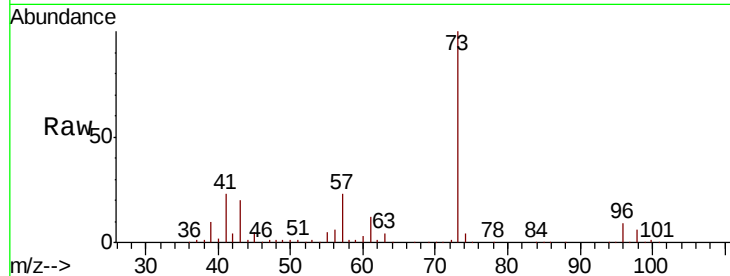




#17
Methyl tert-butyl Ether
Concen: 19.214 ug/L
RT: 2.81 min Scan# 534
Delta R.T. 0.00 min
Lab File: VV012363.D
Acq: 23 Aug 2019 14:08

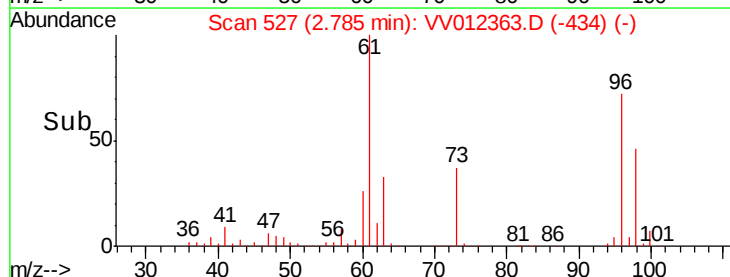
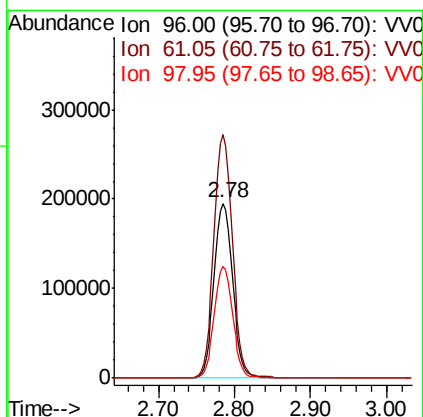
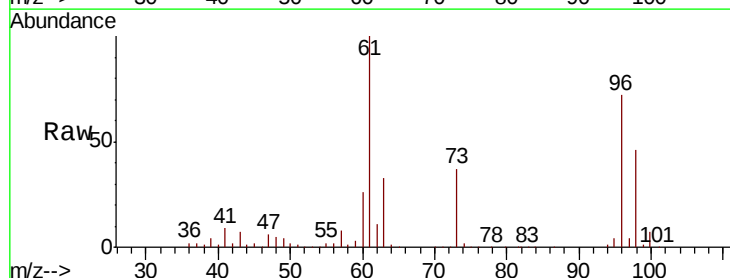
Instrument :
MSVOA_V
ClientSampleId :
VSTD02031

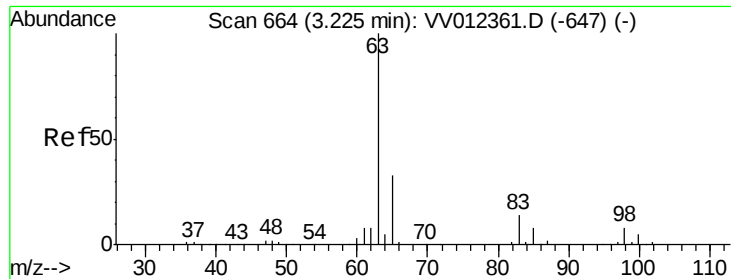
Tgt Ion: 73 Resp: 699135
Ion Ratio Lower Upper
73 100
43 19.2 15.0 22.6
57 22.8 18.0 27.0



#18
trans-1,2-Dichloroethene
Concen: 18.807 ug/L
RT: 2.78 min Scan# 527
Delta R.T. -0.00 min
Lab File: VV012363.D
Acq: 23 Aug 2019 14:08

Tgt Ion: 96 Resp: 332530
Ion Ratio Lower Upper
96 100
61 139.4 96.0 178.4
98 64.1 42.1 78.3

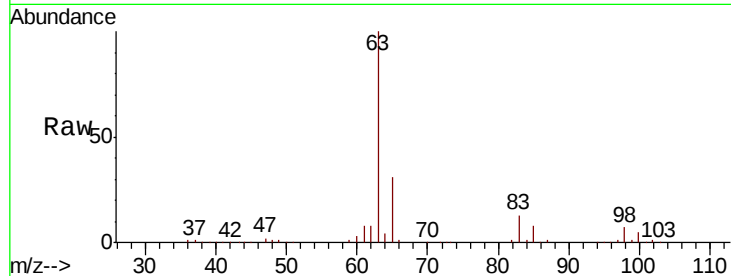




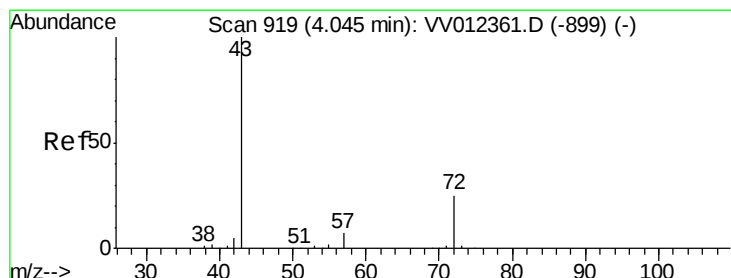
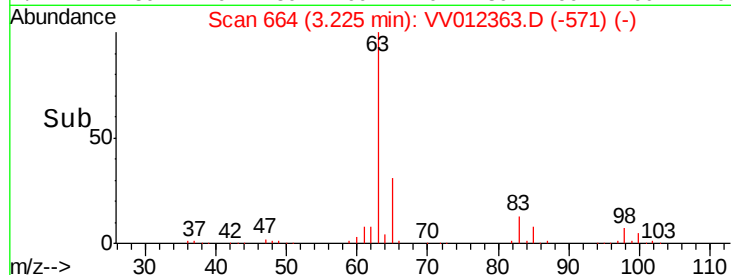
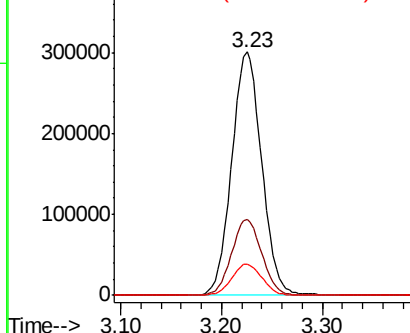
#19
 1,1-Dichloroethane
 Concen: 19.252 ug/L
 RT: 3.23 min Scan# 664
 Delta R.T. 0.00 min
 Lab File: VV012363.D
 Acq: 23 Aug 2019 14:08

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02031

Tgt Ion: 63 Resp: 621150
 Ion Ratio Lower Upper
 63 100
 65 31.1 23.1 42.9
 83 12.8 9.4 17.6

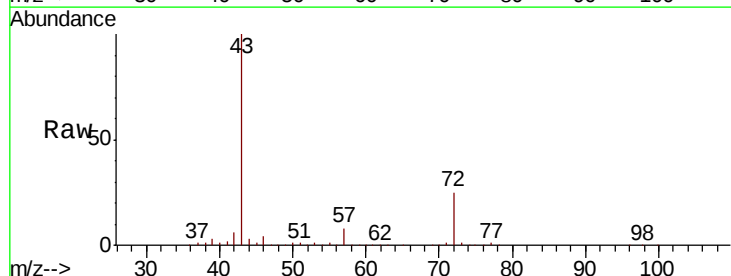


Abundance Ion 63.10 (62.80 to 63.80): VV0
 Ion 65.10 (64.80 to 65.80): VV0
 Ion 83.05 (82.75 to 83.75): VV0

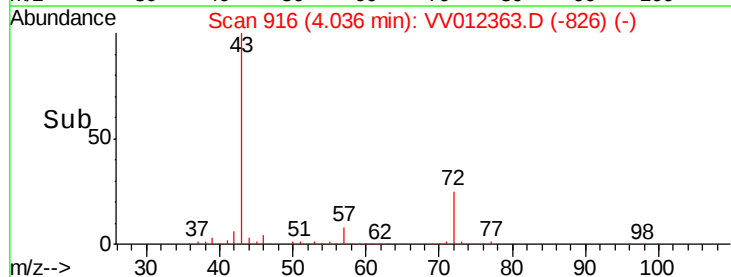
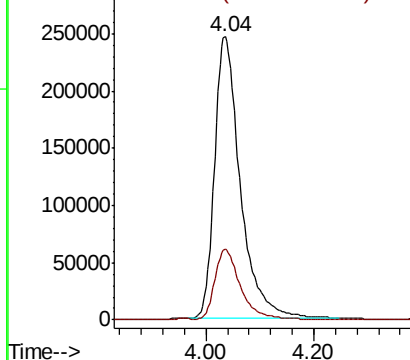


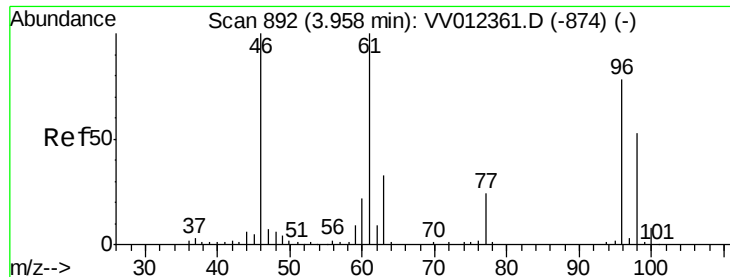
#21
 2-Butanone
 Concen: 195.347 ug/L
 RT: 4.04 min Scan# 916
 Delta R.T. -0.01 min
 Lab File: VV012363.D
 Acq: 23 Aug 2019 14:08

Tgt Ion: 43 Resp: 814392
 Ion Ratio Lower Upper
 43 100
 72 24.9 12.2 36.6



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



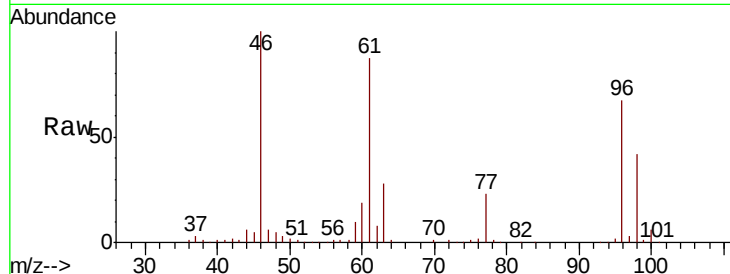


#22

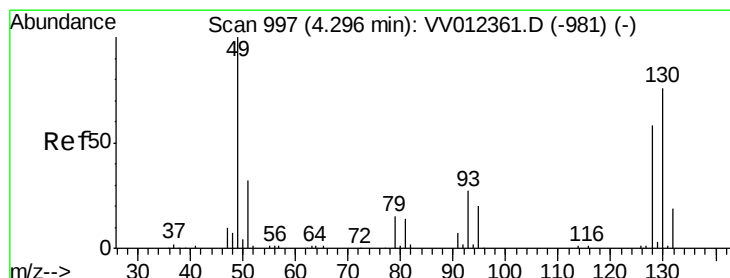
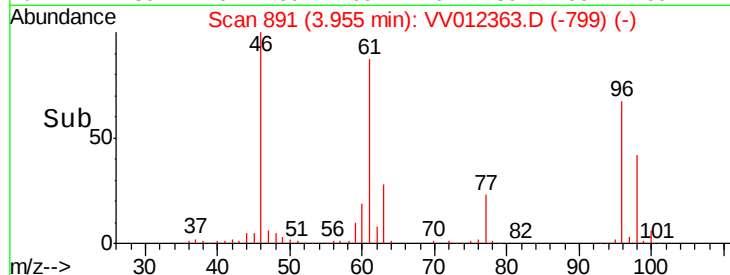
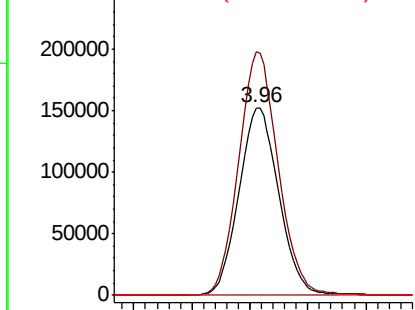
cis-1,2-Dichloroethene
 Concen: 18.914 ug/L
 RT: 3.96 min Scan# 891
 Delta R.T. -0.00 min
 Lab File: VV012363.D
 Acq: 23 Aug 2019 14:08

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02031

Tgt Ion: 96 Resp: 362604
 Ion Ratio Lower Upper
 96 100
 61 130.0 89.4 166.0
 68 0.0 0.0 0.0



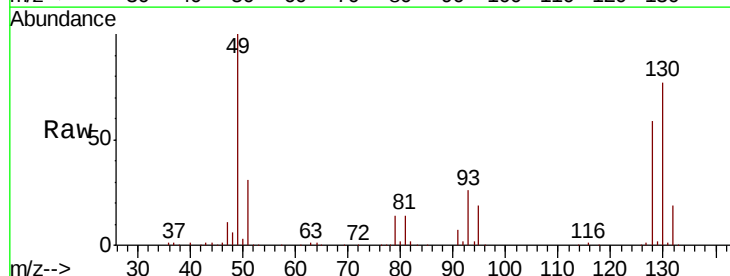
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0



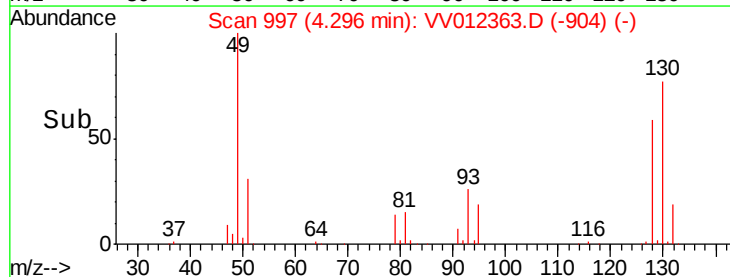
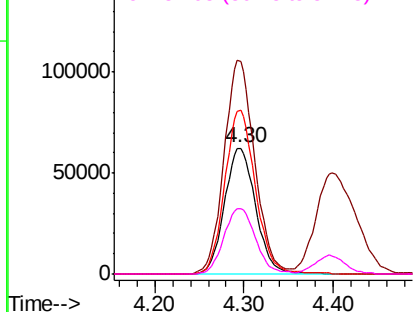
#23

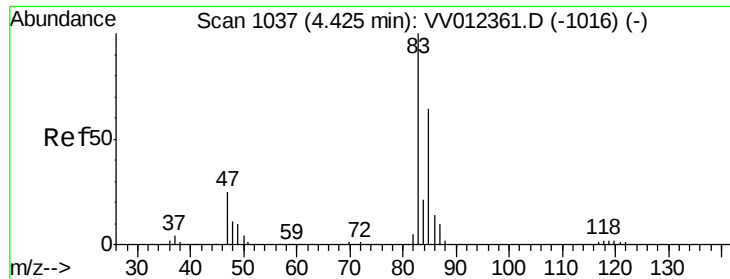
Bromochloromethane
 Concen: 18.481 ug/L
 RT: 4.30 min Scan# 997
 Delta R.T. 0.00 min
 Lab File: VV012363.D
 Acq: 23 Aug 2019 14:08

Tgt Ion: 128 Resp: 150439
 Ion Ratio Lower Upper
 128 100
 49 169.4 120.7 224.1
 130 130.1 91.5 169.9
 51 52.3 44.3 66.5



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

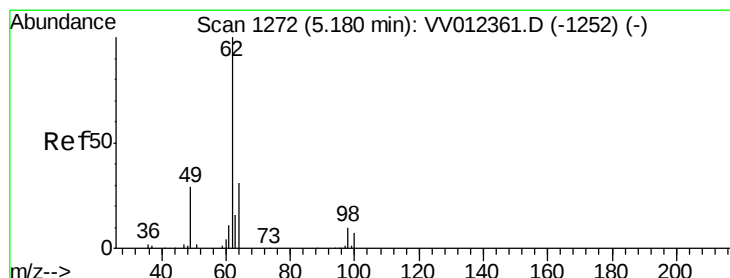
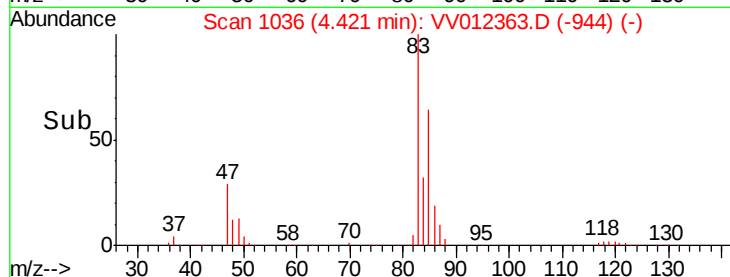
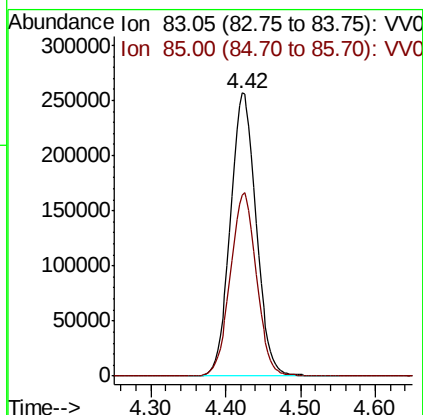
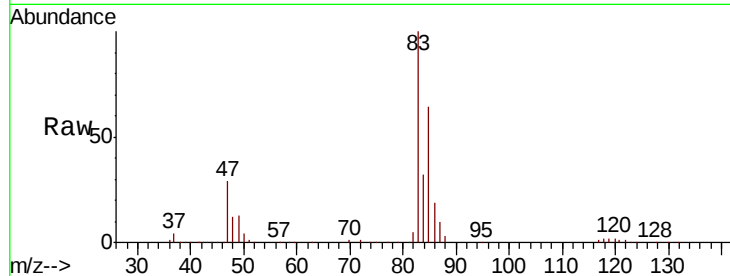




#25
Chloroform
Concen: 16.920 ug/L
RT: 4.42 min Scan# 1036
Delta R.T. -0.00 min
Lab File: VV012363.D
Acq: 23 Aug 2019 14:08

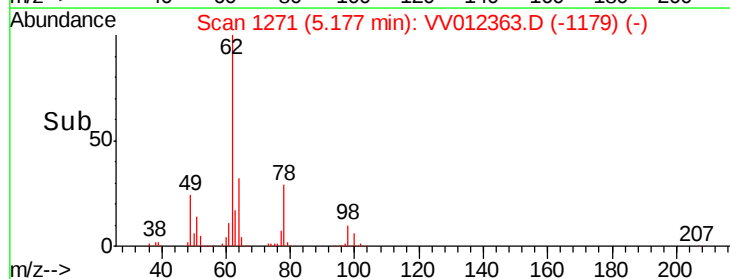
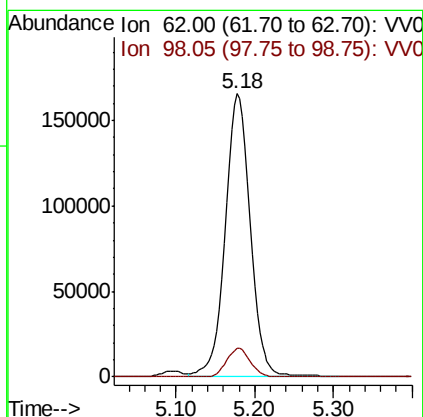
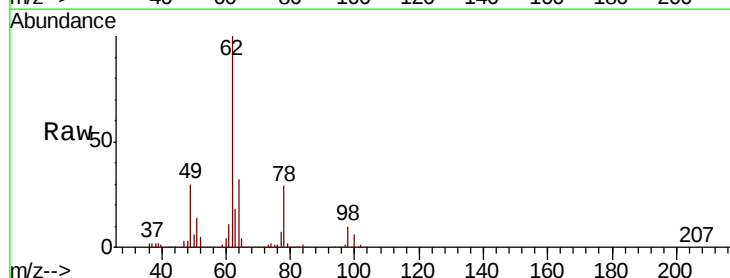
Instrument :
MSVOA_V
ClientSampleId :
VSTD02031

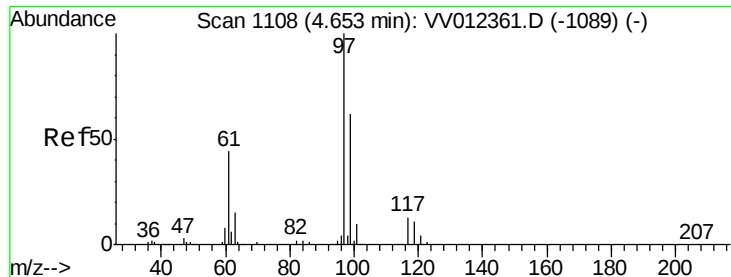
Tgt Ion: 83 Resp: 616237
Ion Ratio Lower Upper
83 100
85 64.1 44.6 82.8



#27
1,2-Dichloroethane
Concen: 18.318 ug/L
RT: 5.18 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VV012363.D
Acq: 23 Aug 2019 14:08

Tgt Ion: 62 Resp: 362316
Ion Ratio Lower Upper
62 100
98 9.9 7.6 11.4

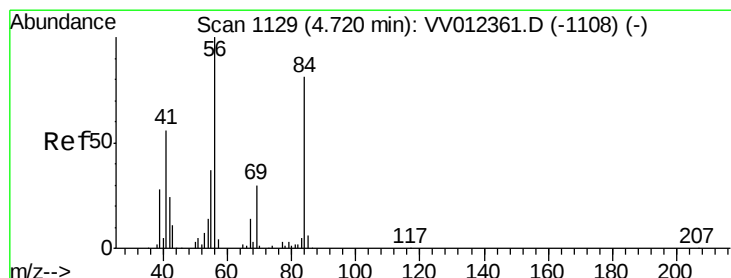
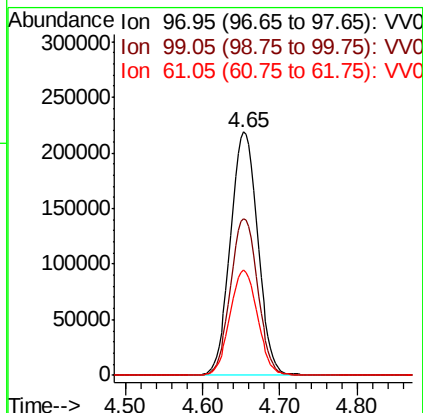
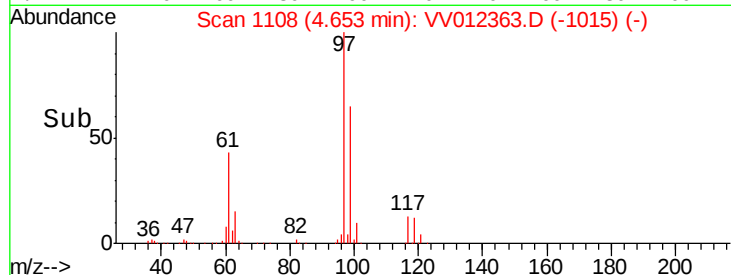
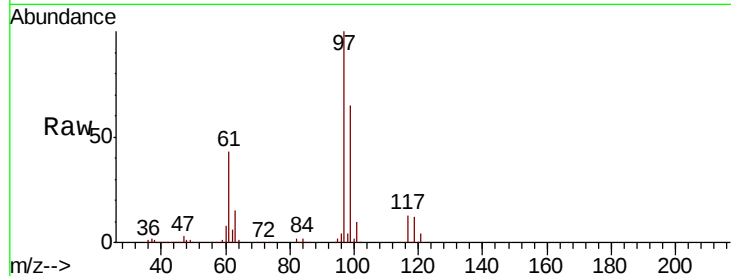




#29
 1,1,1-Trichloroethane
 Concen: 18.598 ug/L
 RT: 4.65 min Scan# 1108
 Delta R.T. 0.00 min
 Lab File: VV012363.D
 Acq: 23 Aug 2019 14:08

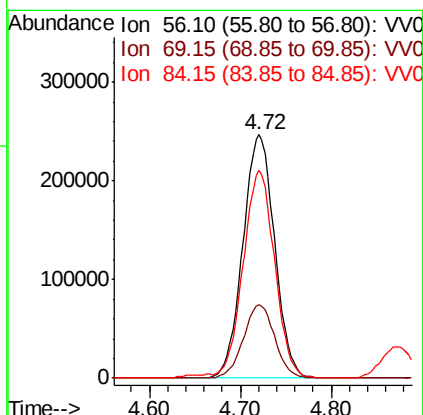
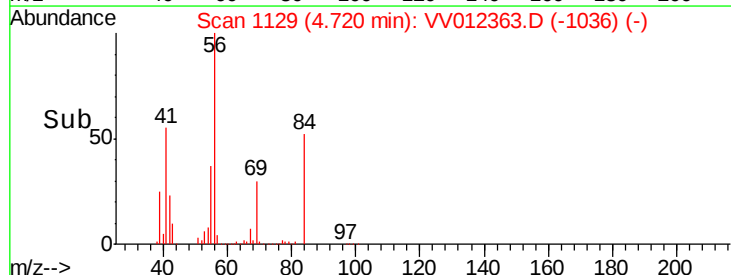
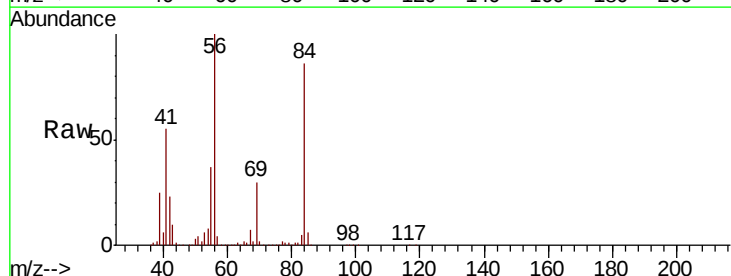
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02031

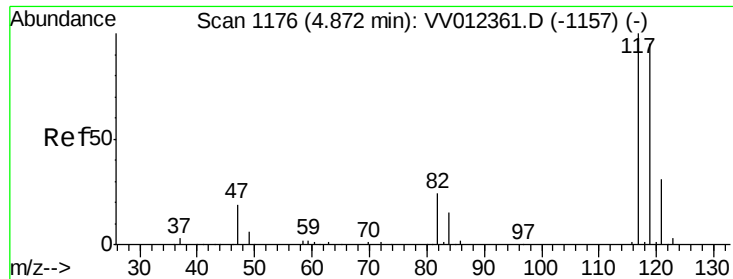
Tgt Ion: 97 Resp: 535849
 Ion Ratio Lower Upper
 97 100
 99 64.3 50.5 75.7
 61 43.9 35.4 53.2



#30
 Cyclohexane
 Concen: 20.722 ug/L
 RT: 4.72 min Scan# 1129
 Delta R.T. 0.00 min
 Lab File: VV012363.D
 Acq: 23 Aug 2019 14:08

Tgt Ion: 56 Resp: 596754
 Ion Ratio Lower Upper
 56 100
 69 29.8 24.0 36.0
 84 84.6 67.9 101.9

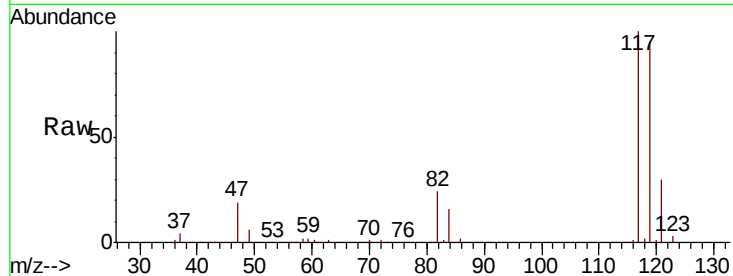




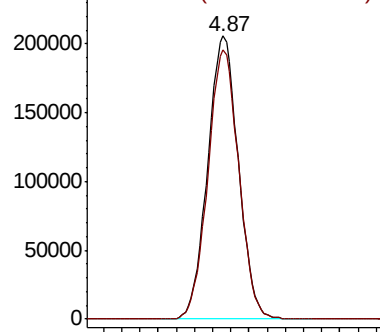
#31
Carbon tetrachloride
Concen: 18.569 ug/L
RT: 4.87 min Scan# 1176
Delta R.T. -0.00 min
Lab File: VV012363.D
Acq: 23 Aug 2019 14:08

Instrument :
MSVOA_V
ClientSampleId :
VSTD02031

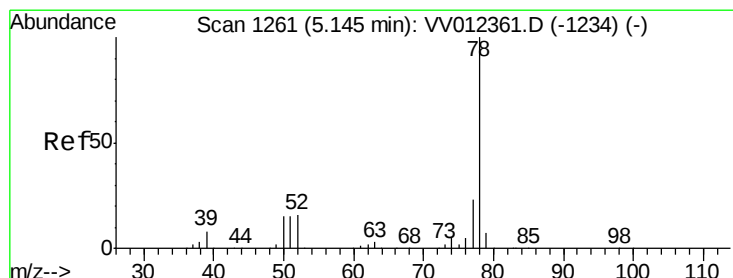
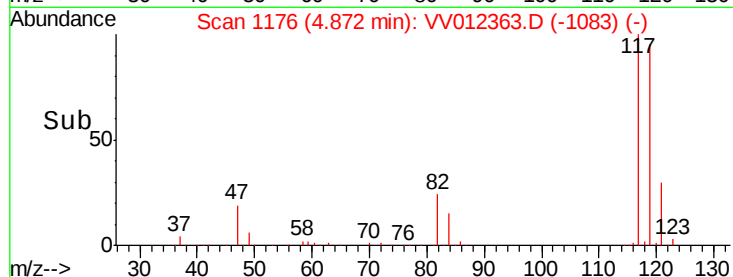
Tgt Ion:117 Resp: 481960
Ion Ratio Lower Upper
117 100
119 95.6 77.8 116.8



Abundance Ion 116.90 (116.60 to 117.60): V
Ion 118.90 (118.60 to 119.60): V

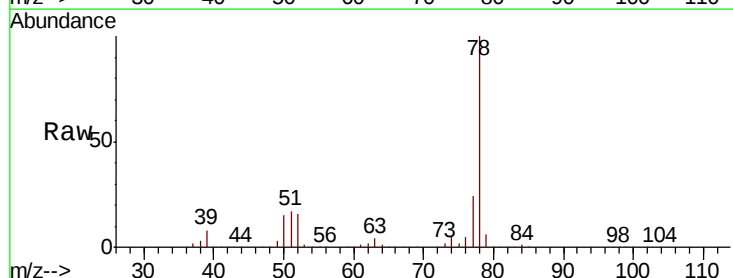


Time-->

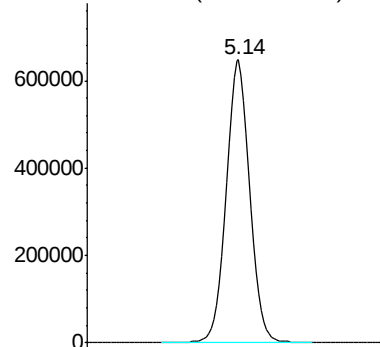


#33
Benzene
Concen: 19.463 ug/L
RT: 5.14 min Scan# 1261
Delta R.T. -0.00 min
Lab File: VV012363.D
Acq: 23 Aug 2019 14:08

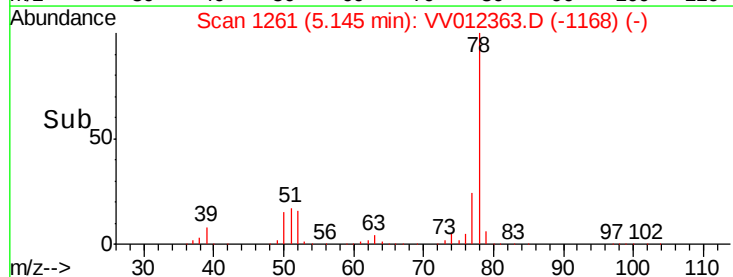
Tgt Ion: 78 Resp: 1390762

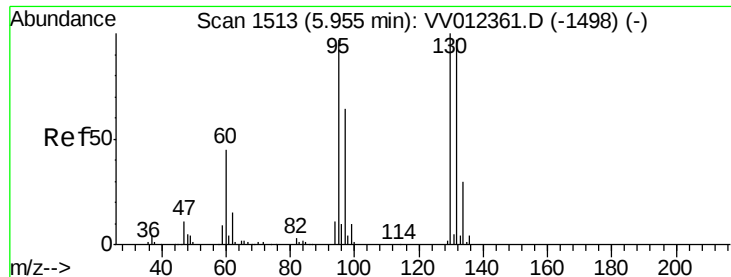


Abundance Ion 78.10 (77.80 to 78.80): VV0



Time-->





#34

Trichloroethene

Concen: 18.692 ug/L

RT: 5.96 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VV012363.D

Acq: 23 Aug 2019 14:08

Instrument :

MSVOA_V

ClientSampleId :

VSTD02031

Tgt Ion: 95 Resp: 362201

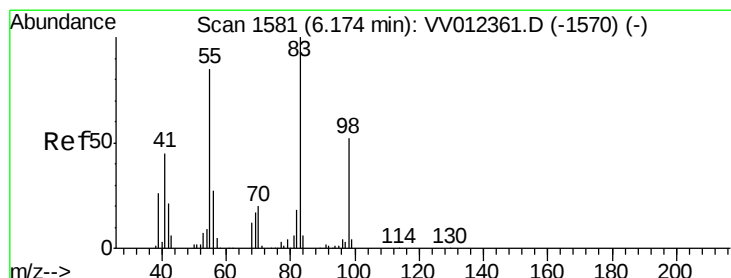
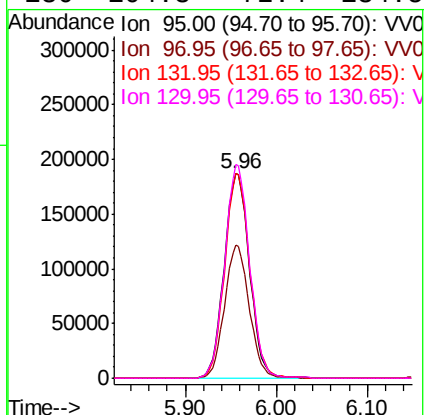
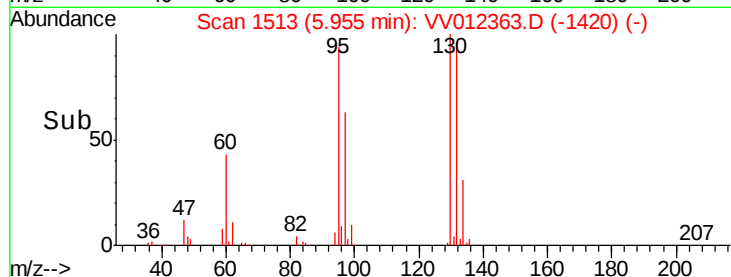
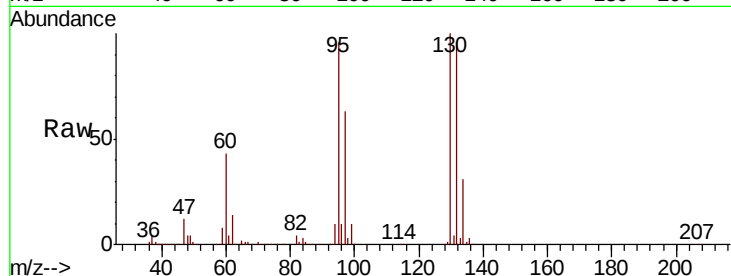
Ion Ratio Lower Upper

95 100

97 65.3 46.3 86.1

132 100.1 70.3 130.7

130 104.3 72.4 134.5



#35

Methylcyclohexane

Concen: 20.664 ug/L

RT: 6.17 min Scan# 1581

Delta R.T. 0.00 min

Lab File: VV012363.D

Acq: 23 Aug 2019 14:08

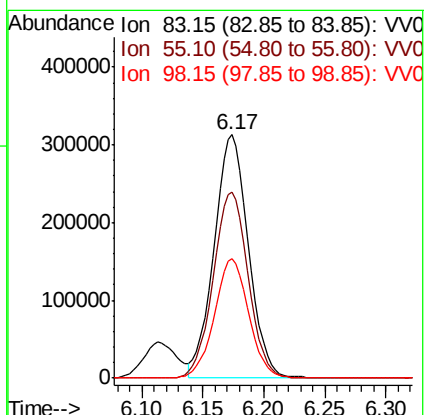
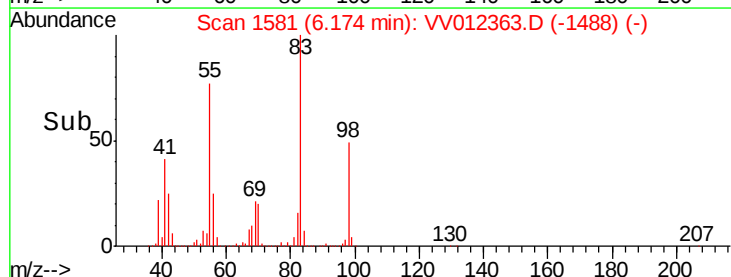
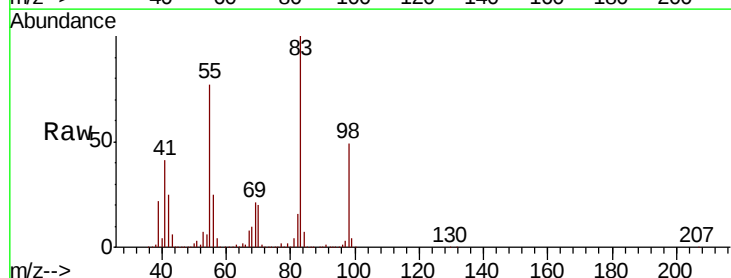
Tgt Ion: 83 Resp: 615923

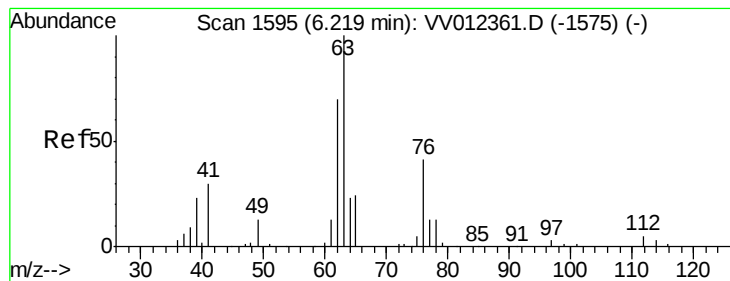
Ion Ratio Lower Upper

83 100

55 78.1 64.6 97.0

98 48.9 39.0 58.4





#37

1,2-Dichloropropane

Concen: 19.318 ug/L

RT: 6.22 min Scan# 1595

Delta R.T. 0.00 min

Lab File: VV012363.D

Acq: 23 Aug 2019 14:08

Instrument :

MSVOA_V

ClientSampleId :

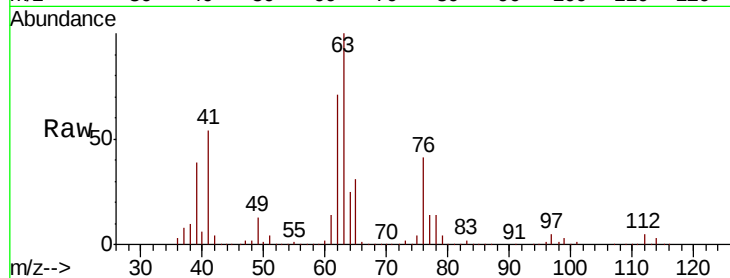
VSTD02031

Tgt Ion: 63 Resp: 345357

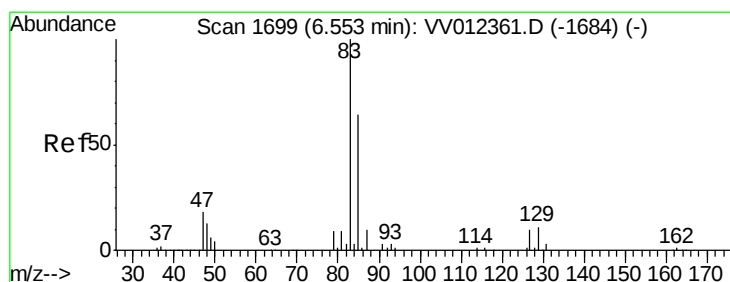
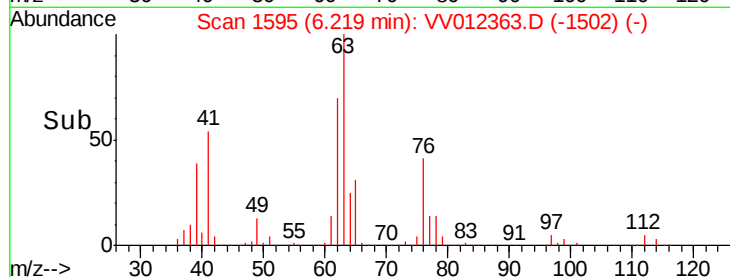
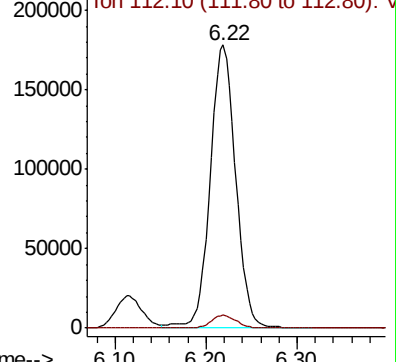
Ion Ratio Lower Upper

63 100

112 4.6 4.2 6.2



Abundance Ion 63.10 (62.80 to 63.80): VV012363.D (-1502) (-)



#38

Bromodichloromethane

Concen: 18.749 ug/L

RT: 6.55 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VV012363.D

Acq: 23 Aug 2019 14:08

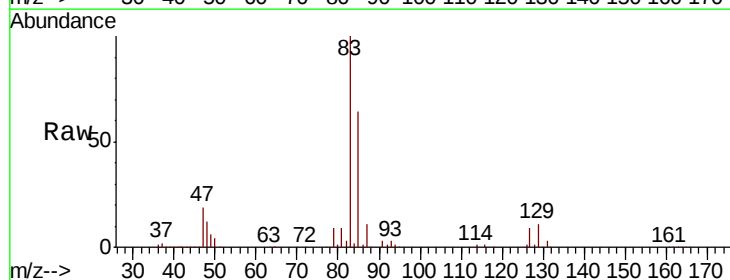
Tgt Ion: 83 Resp: 429559

Ion Ratio Lower Upper

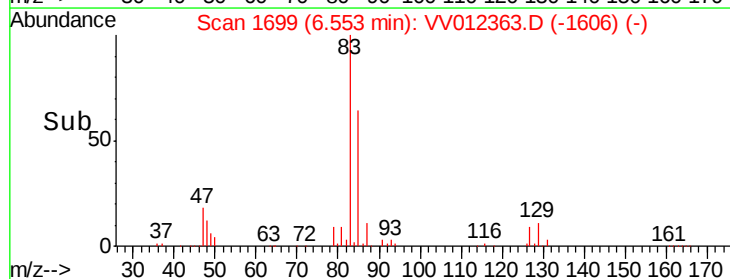
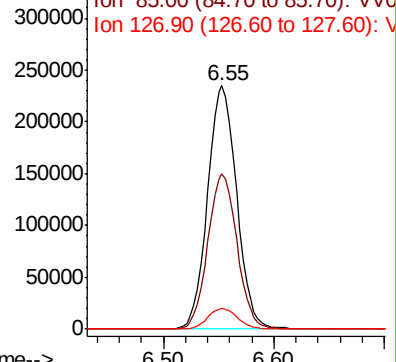
83 100

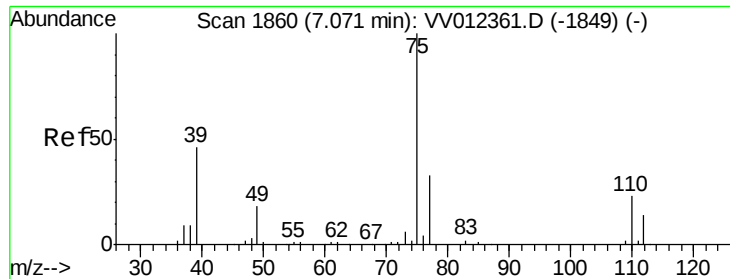
85 63.6 45.0 83.6

127 8.5 7.7 11.5



Abundance Ion 82.95 (82.65 to 83.65): VV012363.D (-1606) (-)

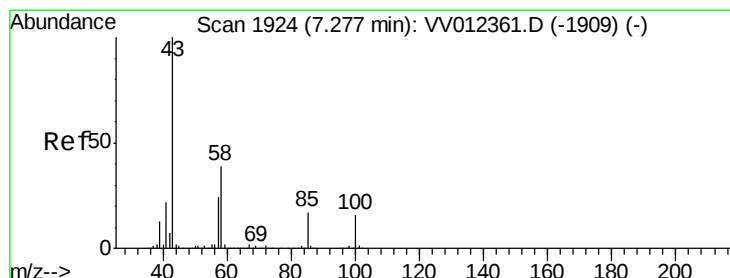
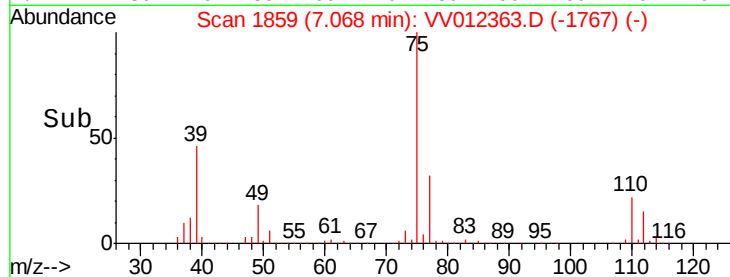
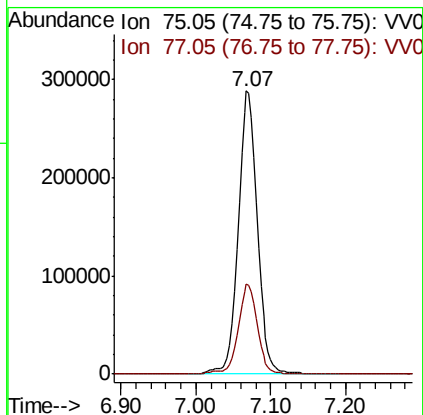
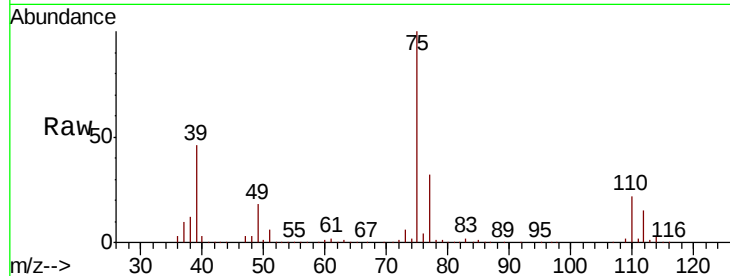




#39
 cis-1,3-Dichloropropene
 Concen: 21.294 ug/L
 RT: 7.07 min Scan# 1859
 Delta R.T. -0.00 min
 Lab File: VV012363.D
 Acq: 23 Aug 2019 14:08

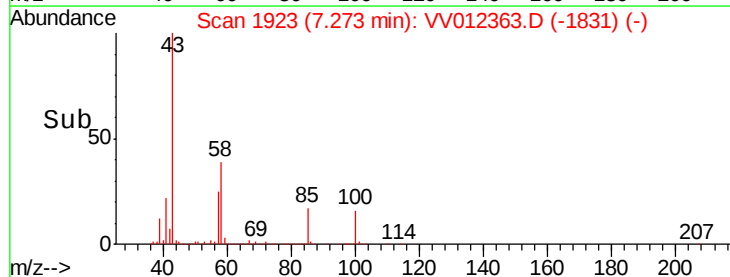
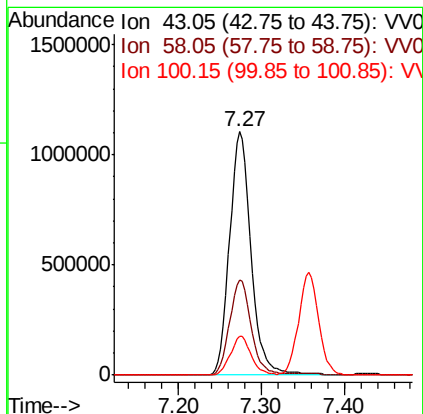
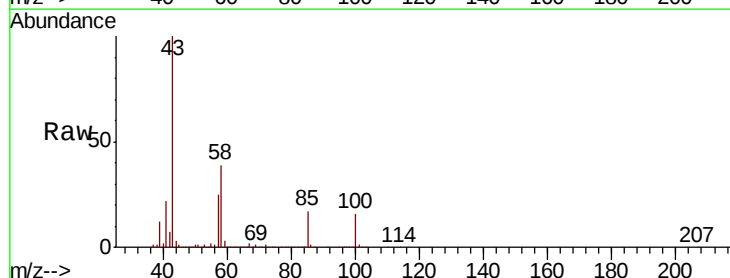
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02031

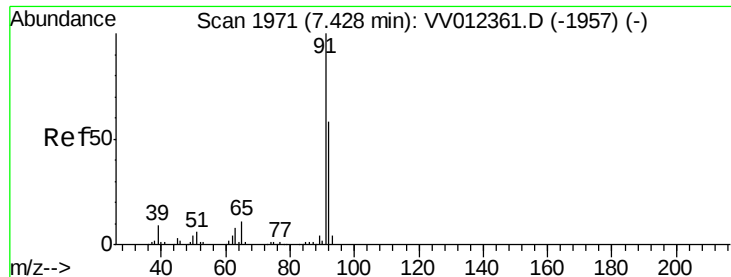
Tgt Ion: 75 Resp: 514264
 Ion Ratio Lower Upper
 75 100
 77 31.7 23.2 43.2



#40
 4-Methyl-2-pentanone
 Concen: 205.662 ug/L
 RT: 7.27 min Scan# 1923
 Delta R.T. -0.00 min
 Lab File: VV012363.D
 Acq: 23 Aug 2019 14:08

Tgt Ion: 43 Resp: 2001990
 Ion Ratio Lower Upper
 43 100
 58 39.0 30.7 46.1
 100 15.4 11.8 17.6





#42

Toluene

Concen: 19.653 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. -0.00 min

Lab File: VV012363.D

Acq: 23 Aug 2019 14:08

Instrument :

MSVOA_V

ClientSampleId :

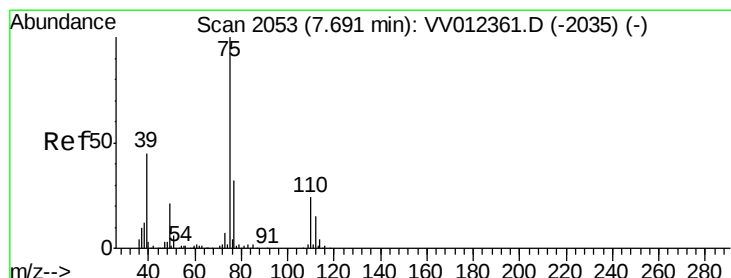
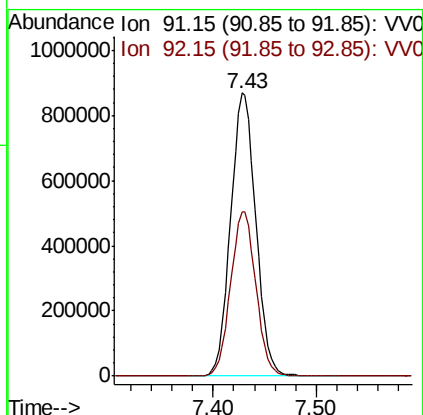
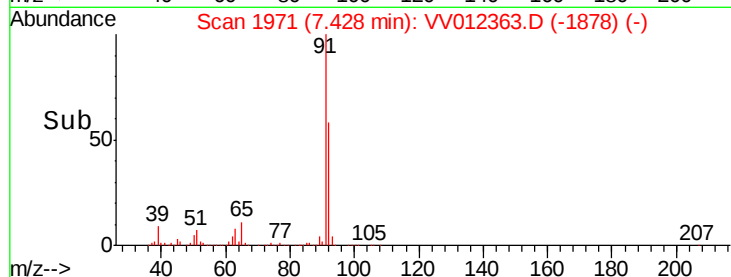
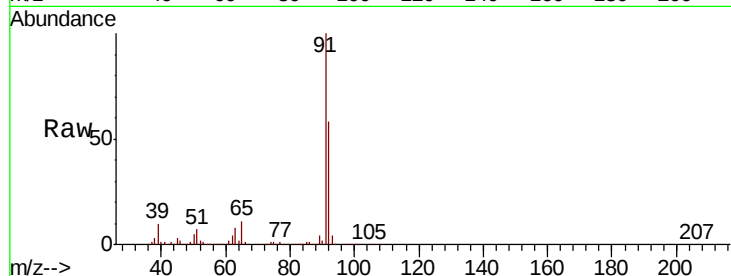
VSTD02031

Tgt Ion: 91 Resp: 1482588

Ion Ratio Lower Upper

91 100

92 58.2 40.7 75.5



#44

trans-1,3-Dichloropropene

Concen: 20.394 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. 0.00 min

Lab File: VV012363.D

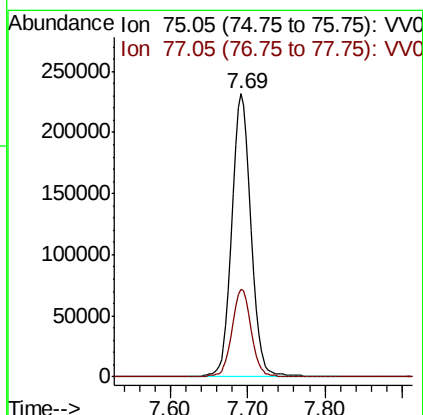
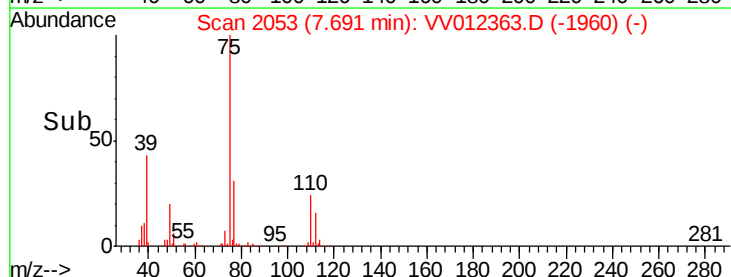
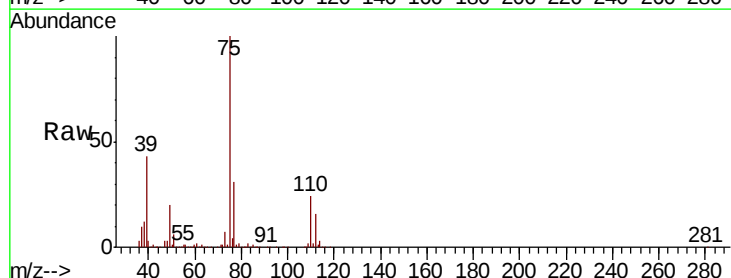
Acq: 23 Aug 2019 14:08

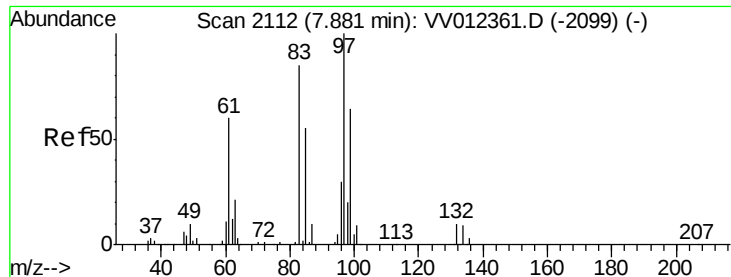
Tgt Ion: 75 Resp: 392599

Ion Ratio Lower Upper

75 100

77 30.9 22.6 42.0

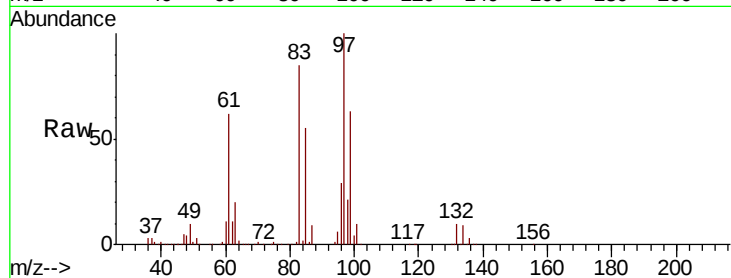




#45
 1,1,2-Trichloroethane
 Concen: 18.902 ug/L
 RT: 7.88 min Scan# 2112
 Delta R.T. 0.00 min
 Lab File: VV012363.D
 Acq: 23 Aug 2019 14:08

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02031

Tgt Ion:	97	Resp:	223553
Ion	Ratio	Lower	Upper
97	100		
99	63.3	45.0	83.6
83	84.9	59.3	110.1
85	55.1	38.8	72.0



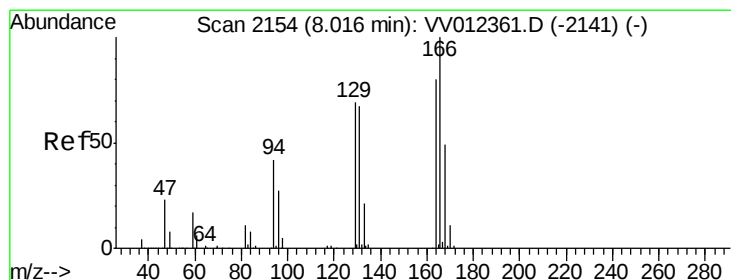
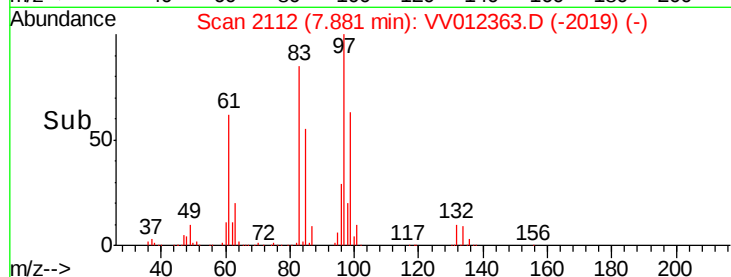
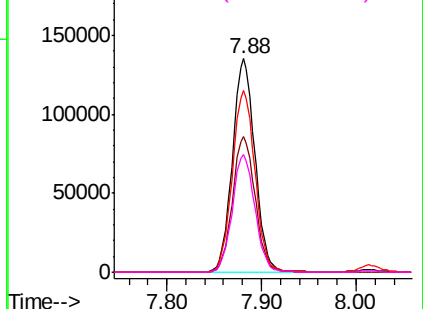
Abundance

Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

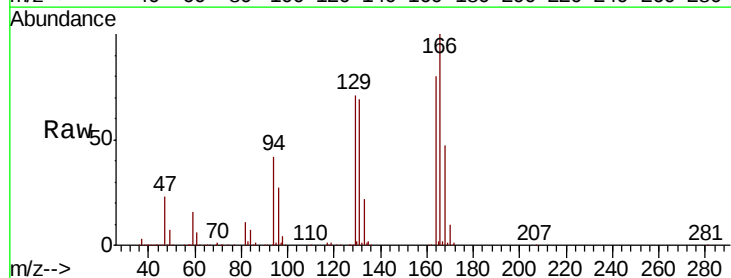
Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0



#47
 Tetrachloroethene
 Concen: 19.069 ug/L
 RT: 8.02 min Scan# 2154
 Delta R.T. -0.00 min
 Lab File: VV012363.D
 Acq: 23 Aug 2019 14:08

Tgt Ion:	164	Resp:	302097
Ion	Ratio	Lower	Upper
164	100		
129	88.8	60.6	112.6
131	86.5	58.8	109.2
166	125.7	87.6	162.8



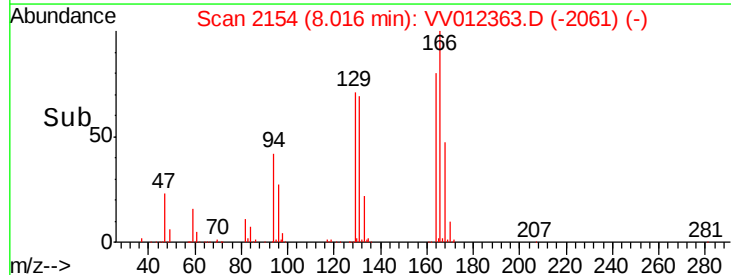
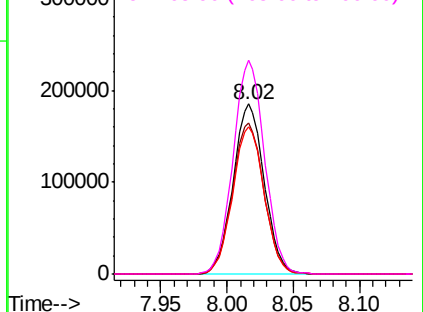
Abundance

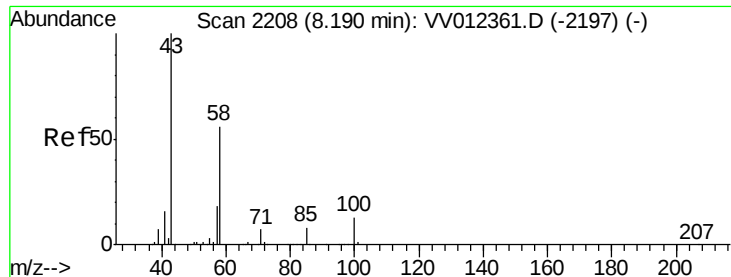
Ion 163.90 (163.60 to 164.60): V

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



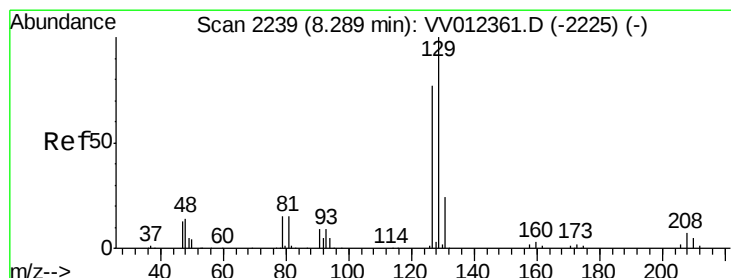
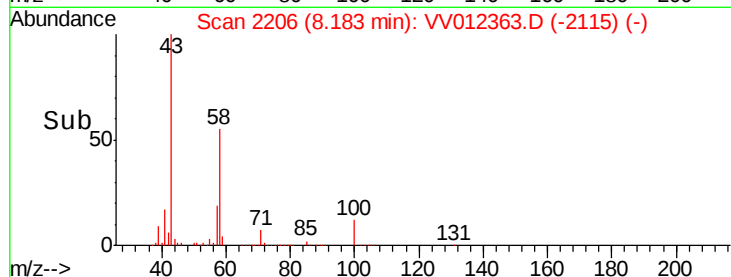
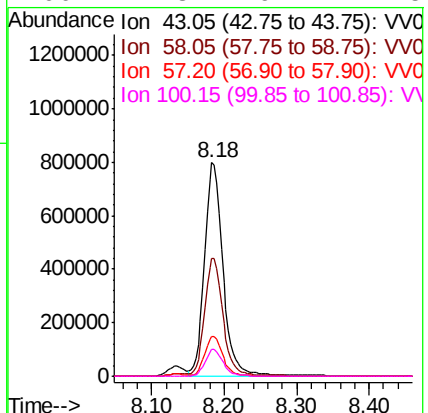
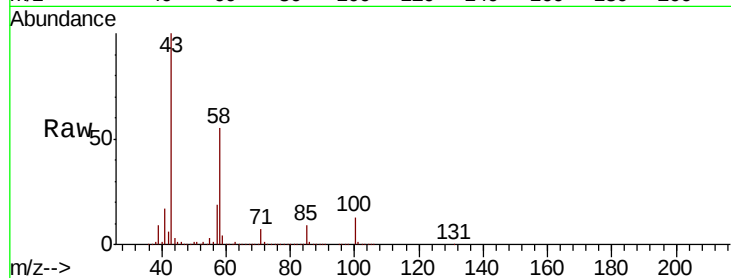


#48
2-Hexanone
Concen: 206.294 ug/L
RT: 8.18 min Scan# 2206
Delta R.T. -0.01 min
Lab File: VV012363.D
Acq: 23 Aug 2019 14:08

Instrument :
MSVOA_V
ClientSampleId :
VSTD02031

Tgt Ion: 43 Resp: 1415759

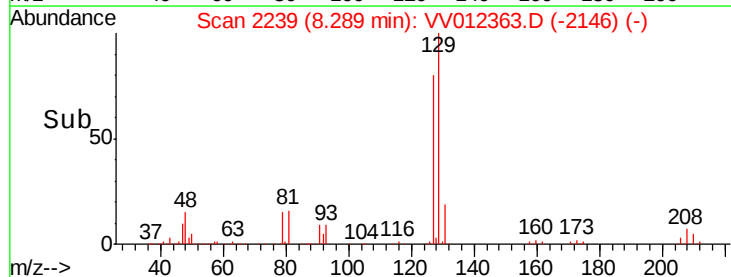
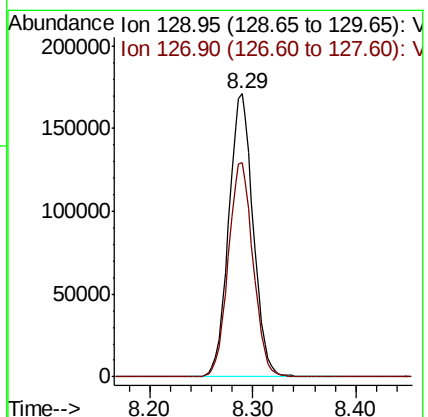
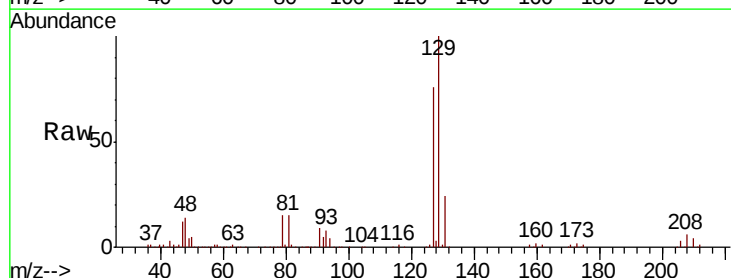
Ion	Ratio	Lower	Upper
43	100		
58	55.3	46.3	69.5
57	18.6	14.9	22.3
100	12.3	9.7	14.5

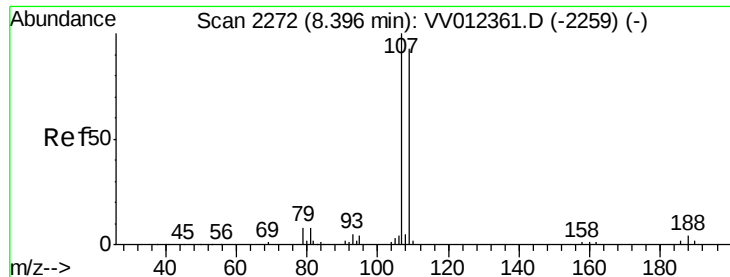


#49
Dibromochloromethane
Concen: 19.358 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VV012363.D
Acq: 23 Aug 2019 14:08

Tgt Ion: 129 Resp: 283392

Ion	Ratio	Lower	Upper
129	100		
127	75.5	53.8	99.8

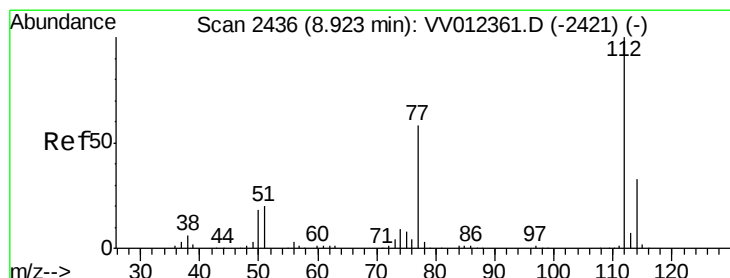
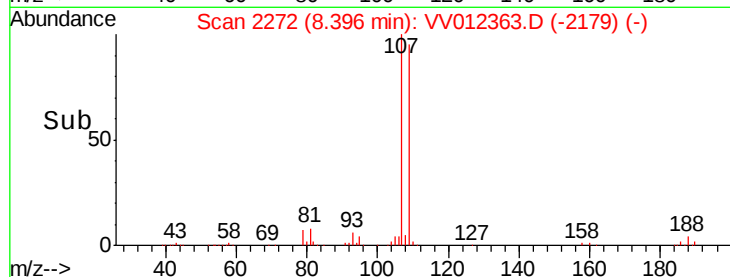
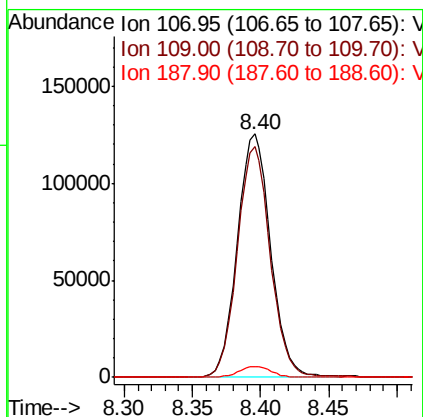
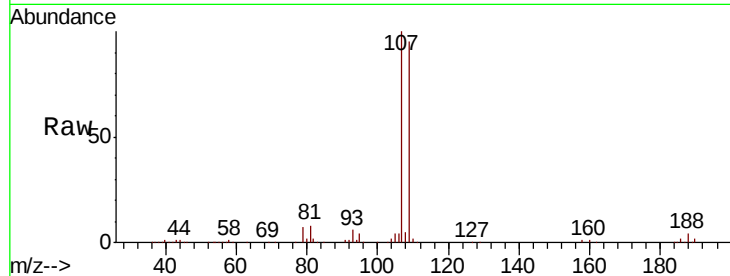




#50
1,2-Dibromoethane
Concen: 18.670 ug/L
RT: 8.40 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VV012363.D
Acq: 23 Aug 2019 14:08

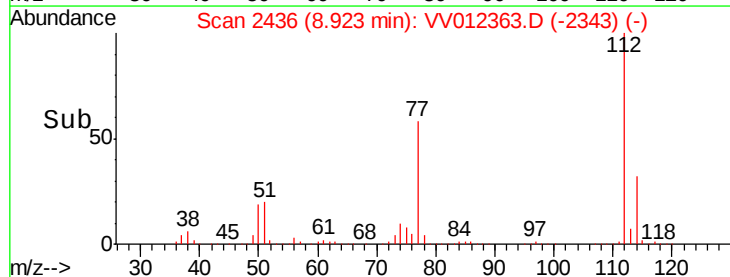
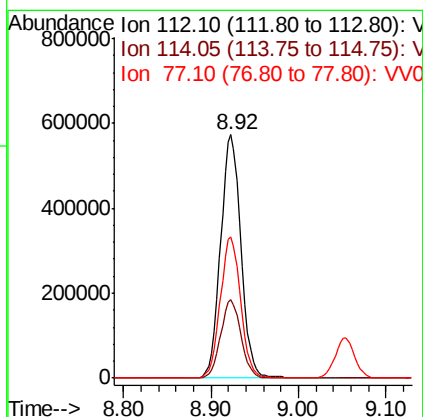
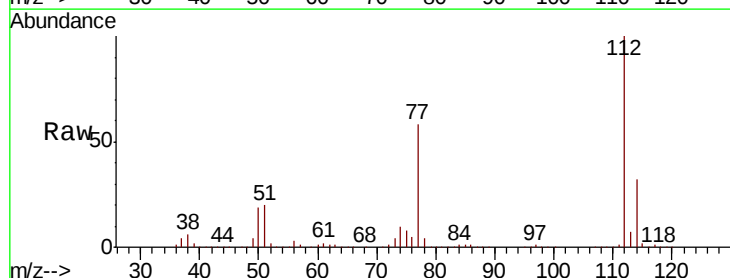
Instrument :
MSVOA_V
ClientSampleId :
VSTD02031

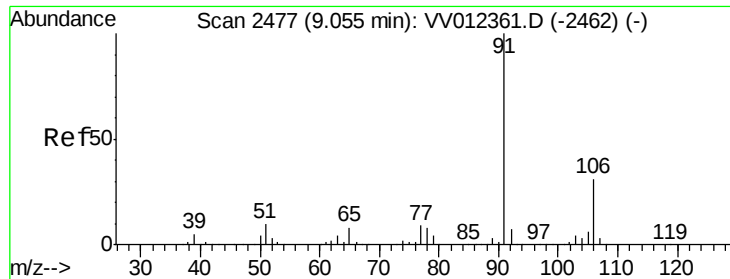
Tgt Ion:107 Resp: 212681
Ion Ratio Lower Upper
107 100
109 94.7 64.9 120.5
188 4.4 3.5 5.3



#51
Chlorobenzene
Concen: 18.981 ug/L
RT: 8.92 min Scan# 2436
Delta R.T. -0.00 min
Lab File: VV012363.D
Acq: 23 Aug 2019 14:08

Tgt Ion:112 Resp: 925910
Ion Ratio Lower Upper
112 100
114 32.1 23.0 42.6
77 58.2 46.4 69.6





#52

Ethylbenzene

Concen: 20.451 ug/L

RT: 9.05 min Scan# 2476

Delta R.T. -0.00 min

Lab File: VV012363.D

Acq: 23 Aug 2019 14:08

Instrument :

MSVOA_V

ClientSampleId :

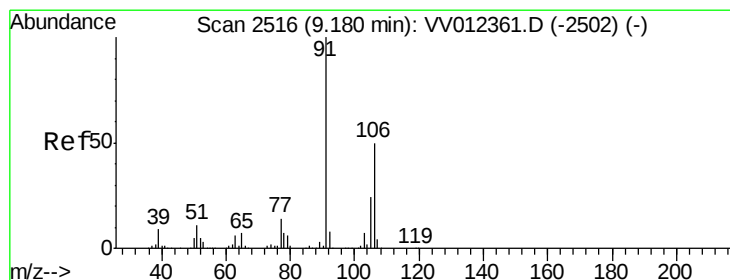
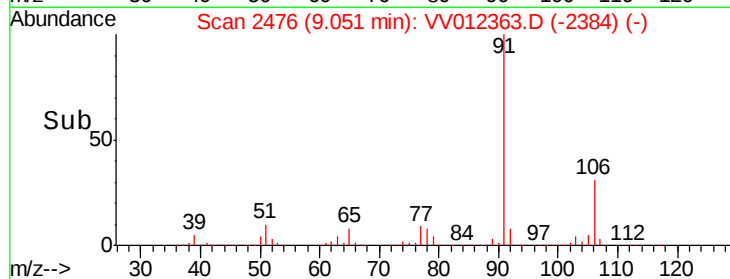
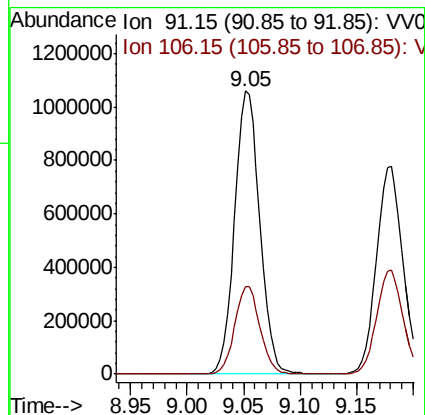
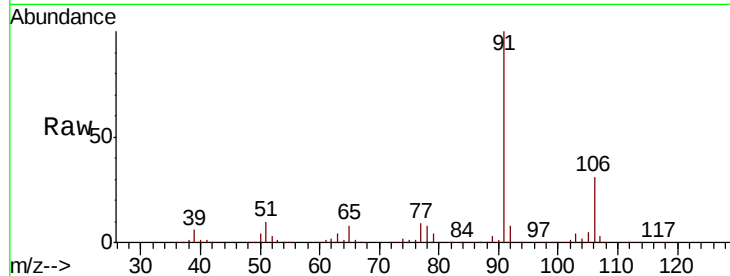
VSTD02031

Tgt Ion: 91 Resp: 1645070

Ion Ratio Lower Upper

91 100

106 30.9 21.7 40.3



#53

m,p-xylene

Concen: 20.467 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. 0.00 min

Lab File: VV012363.D

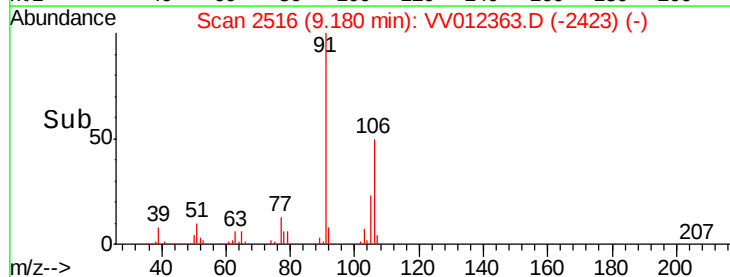
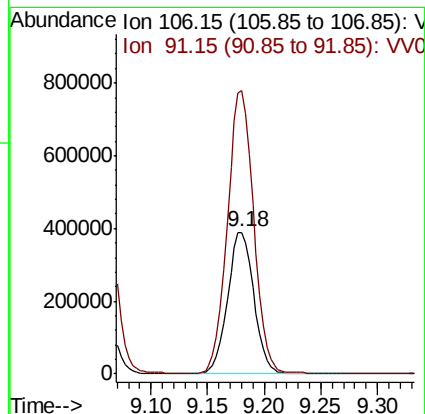
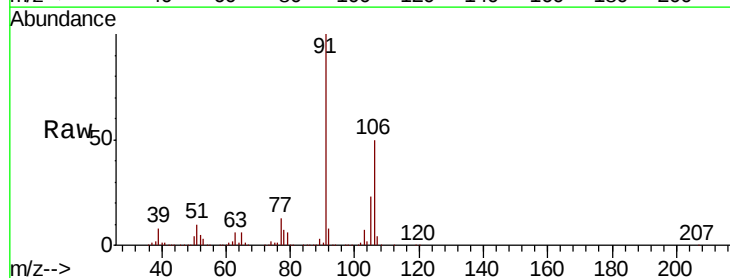
Acq: 23 Aug 2019 14:08

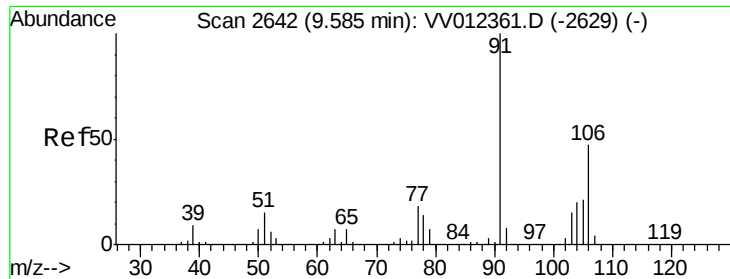
Tgt Ion: 106 Resp: 628169

Ion Ratio Lower Upper

106 100

91 199.5 140.8 261.4





#54

o-xylene

Concen: 20.844 ug/L

RT: 9.59 min Scan# 2642

Delta R.T. -0.00 min

Lab File: VV012363.D

Acq: 23 Aug 2019 14:08

Instrument :

MSVOA_V

ClientSampleId :

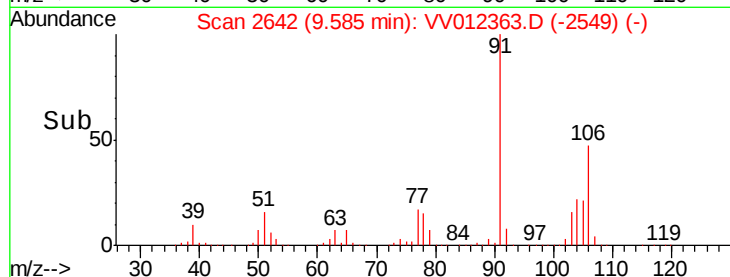
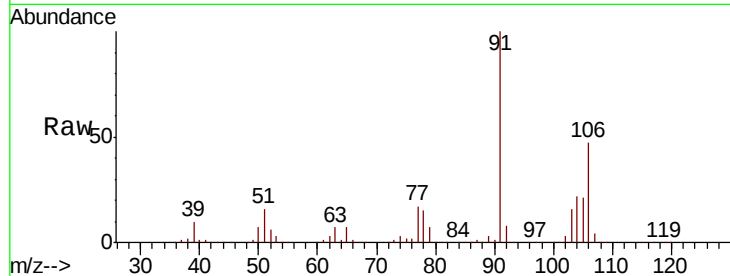
VSTD02031

Tgt Ion:106 Resp: 606566

Ion Ratio Lower Upper

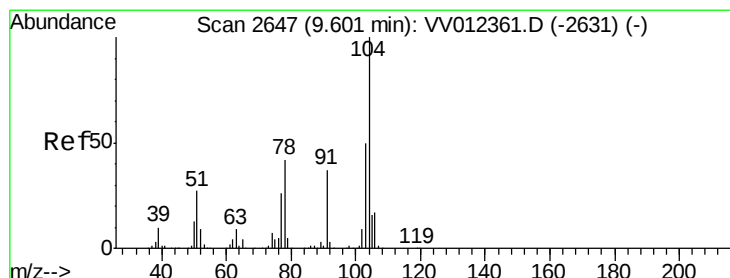
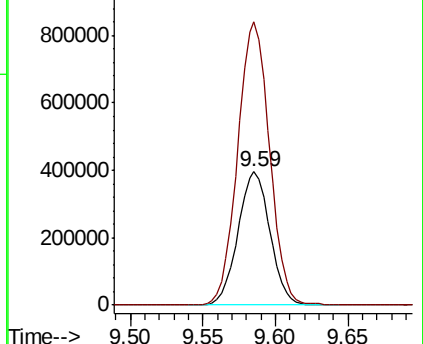
106 100

91 212.7 149.5 277.7



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 21.273 ug/L

RT: 9.60 min Scan# 2647

Delta R.T. 0.00 min

Lab File: VV012363.D

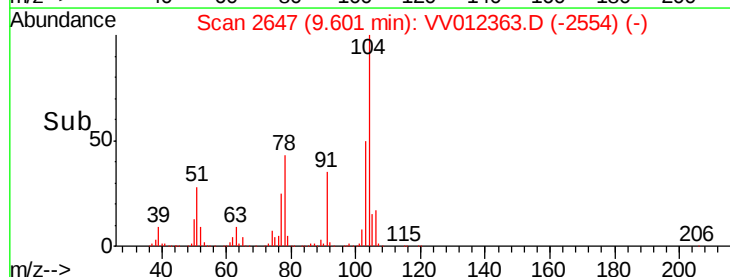
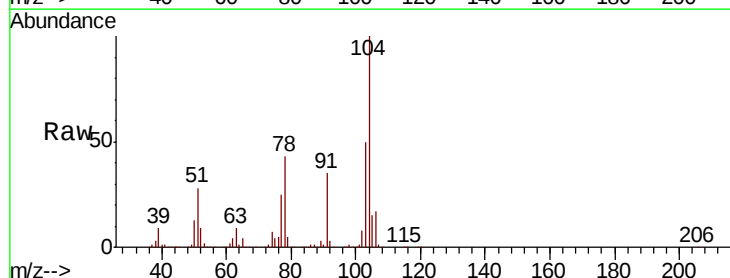
Acq: 23 Aug 2019 14:08

Tgt Ion:104 Resp: 1034341

Ion Ratio Lower Upper

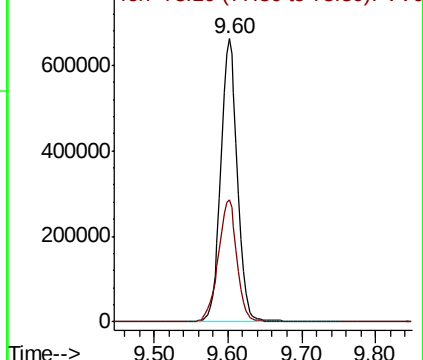
104 100

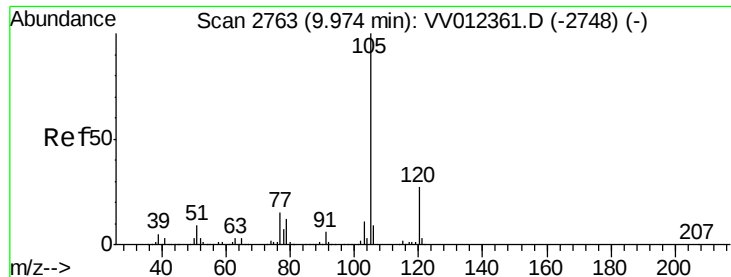
78 43.3 29.8 55.3



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 20.765 ug/L

RT: 9.97 min Scan# 2762

Delta R.T. -0.00 min

Lab File: VV012363.D

Acq: 23 Aug 2019 14:08

Instrument :

MSVOA_V

ClientSampled :

VSTD02031

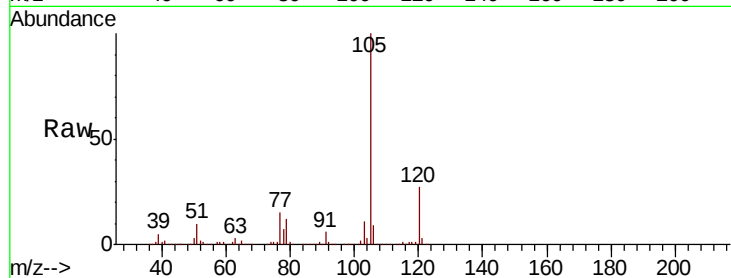
Tgt Ion:105 Resp: 1622003

Ion Ratio Lower Upper

105 100

120 26.6 21.5 32.3

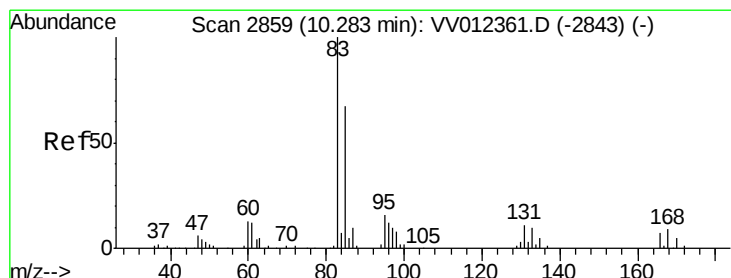
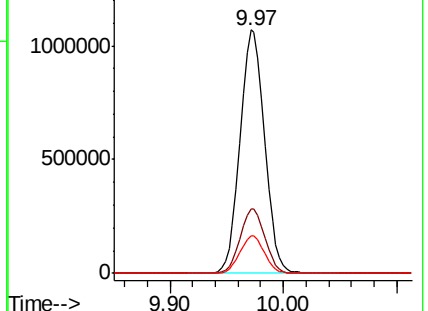
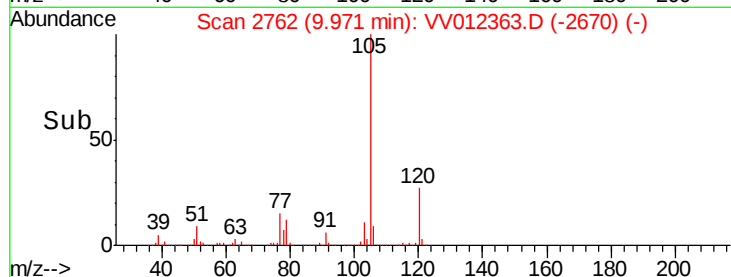
77 15.4 12.5 18.7



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: 18.930 ug/L

RT: 10.28 min Scan# 2859

Delta R.T. 0.00 min

Lab File: VV012363.D

Acq: 23 Aug 2019 14:08

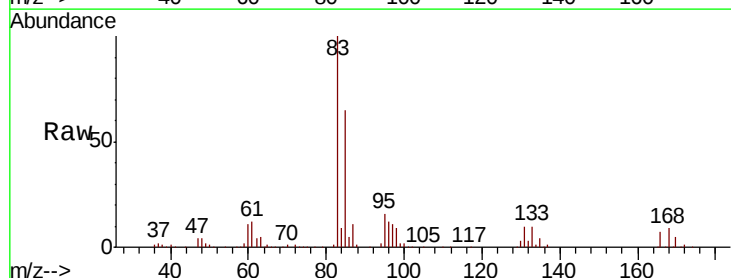
Tgt Ion: 83 Resp: 256503

Ion Ratio Lower Upper

83 100

85 64.6 46.5 86.5

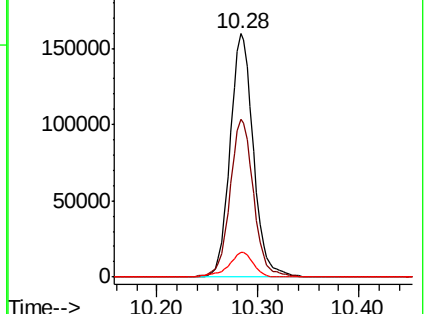
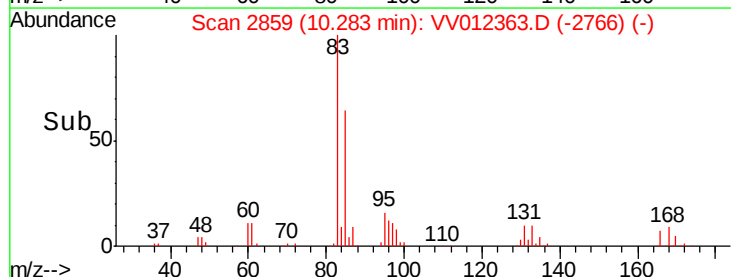
131 9.9 8.9 13.3

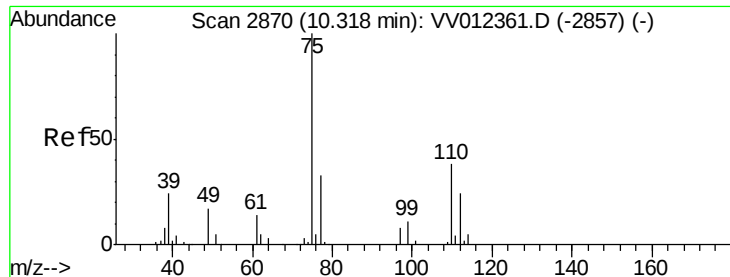


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 18.789 ug/L

RT: 10.32 min Scan# 2869

Delta R.T. -0.00 min

Lab File: VV012363.D

Acq: 23 Aug 2019 14:08

Instrument :

MSVOA_V

ClientSampleId :

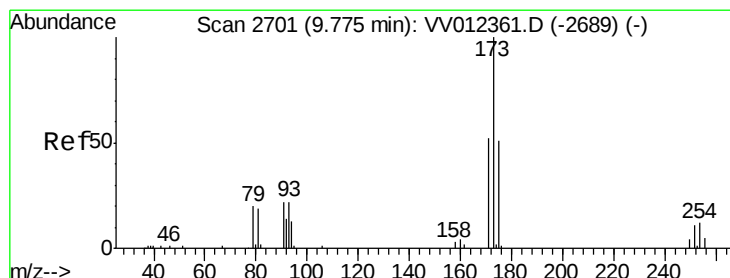
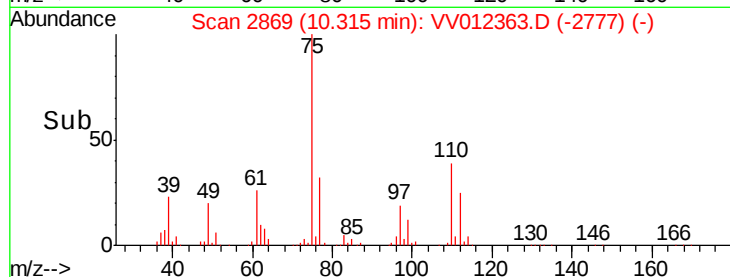
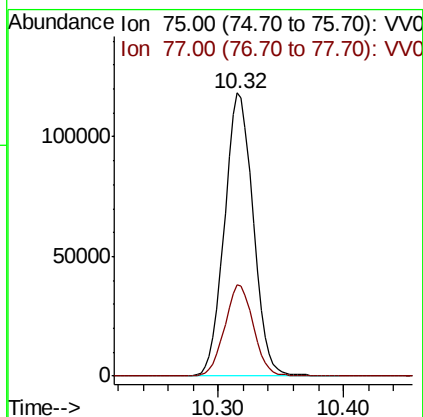
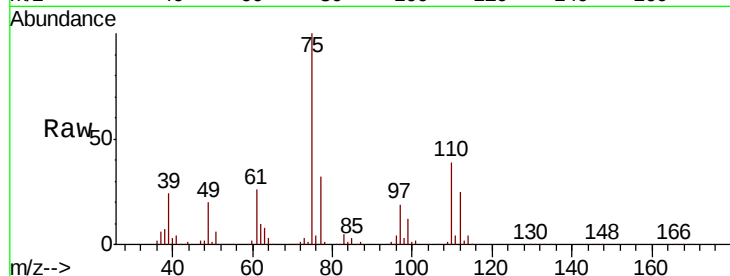
VSTD02031

Tgt Ion: 75 Resp: 188151

Ion Ratio Lower Upper

75 100

77 32.2 25.9 38.9



#61

Bromoform

Concen: 19.990 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. 0.00 min

Lab File: VV012363.D

Acq: 23 Aug 2019 14:08

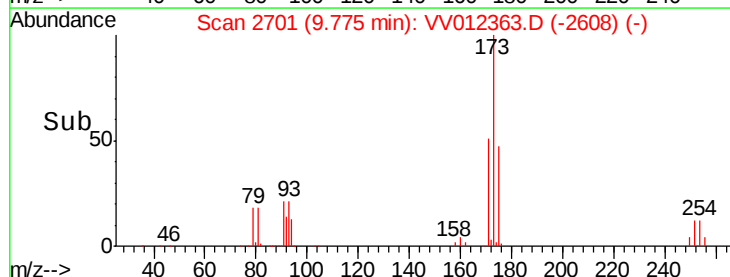
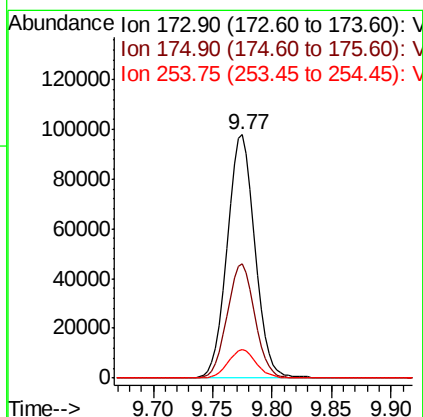
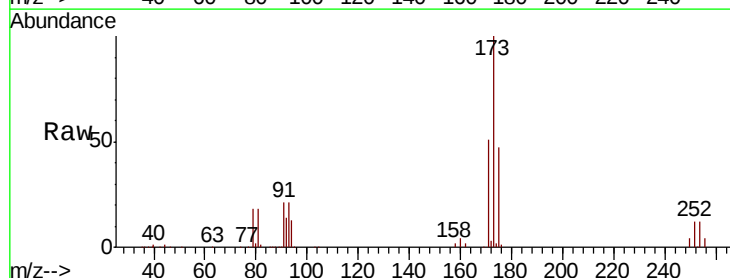
Tgt Ion: 173 Resp: 158080

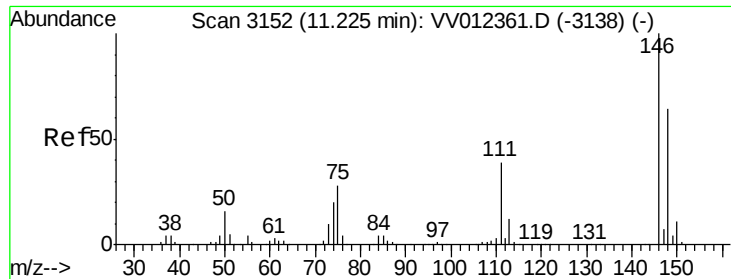
Ion Ratio Lower Upper

173 100

175 47.0 40.7 61.1

254 12.0 9.5 14.3





#62

1,3-Dichlorobenzene

Concen: 18.432 ug/L

RT: 11.22 min Scan# 3151

Delta R.T. -0.00 min

Lab File: VV012363.D

Acq: 23 Aug 2019 14:08

Instrument :

MSVOA_V

ClientSampleId :

VSTD02031

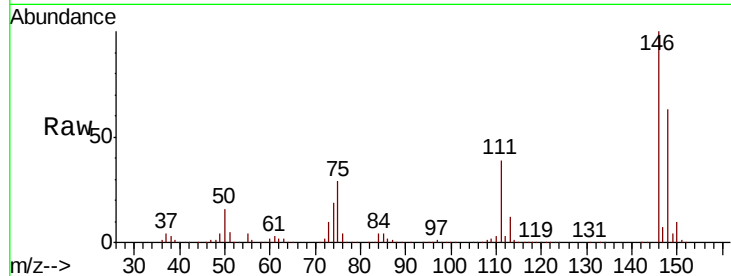
Tgt Ion:146 Resp: 750824

Ion Ratio Lower Upper

146 100

111 38.6 27.0 50.2

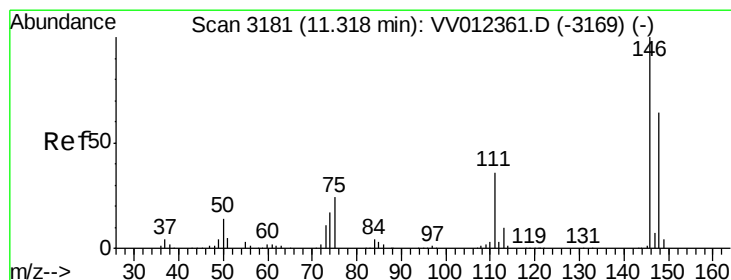
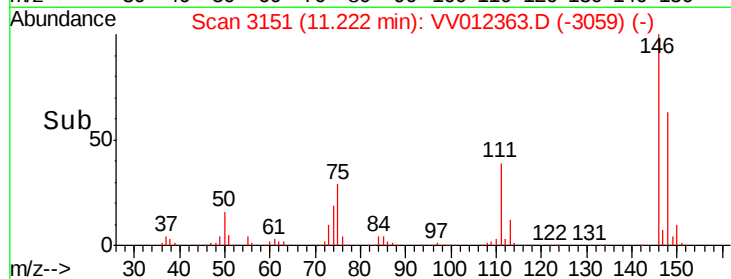
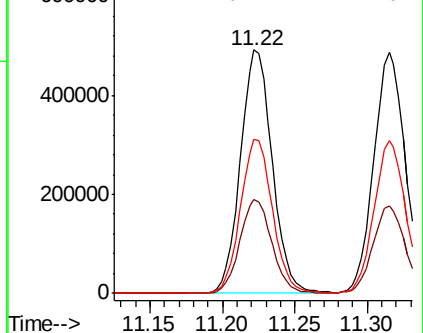
148 63.2 44.7 83.1



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: 18.342 ug/L

RT: 11.32 min Scan# 3180

Delta R.T. -0.00 min

Lab File: VV012363.D

Acq: 23 Aug 2019 14:08

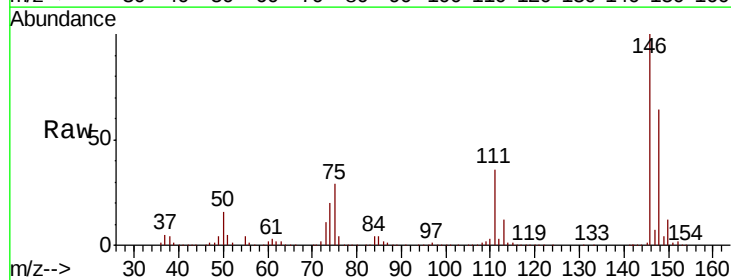
Tgt Ion:146 Resp: 744903

Ion Ratio Lower Upper

146 100

111 36.4 25.7 47.7

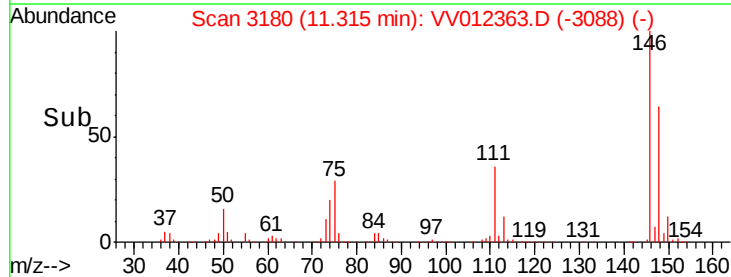
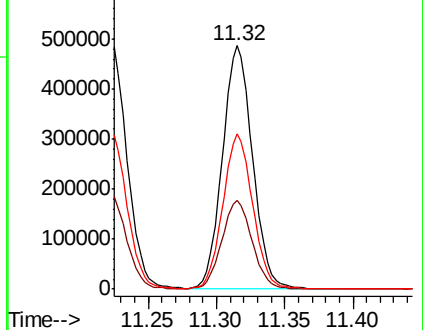
148 63.5 45.0 83.6

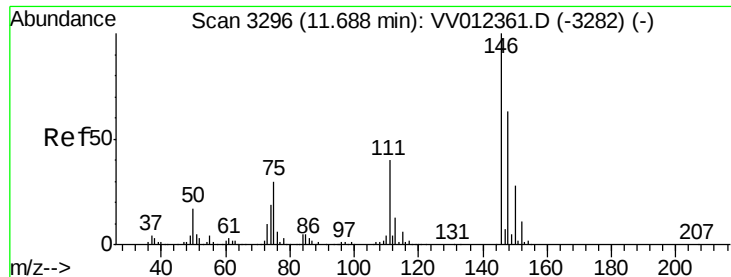


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

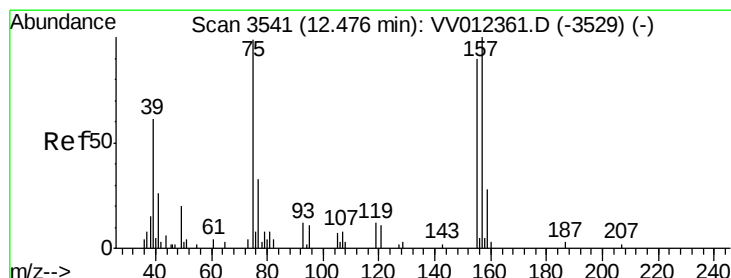
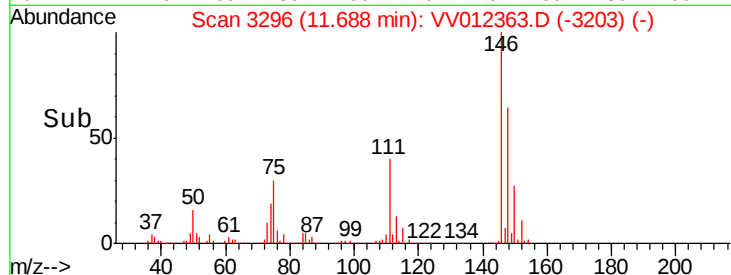
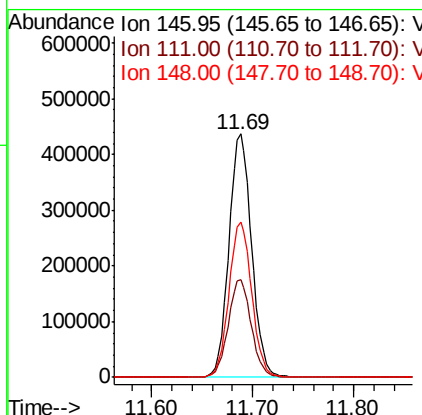
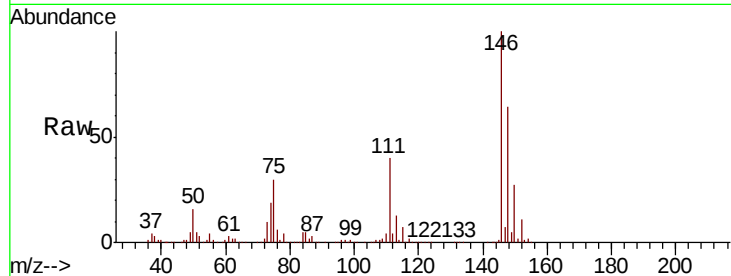




#65
 1,2-Dichlorobenzene
 Concen: 18.339 ug/L
 RT: 11.69 min Scan# 3296
 Delta R.T. 0.00 min
 Lab File: VV012363.D
 Acq: 23 Aug 2019 14:08

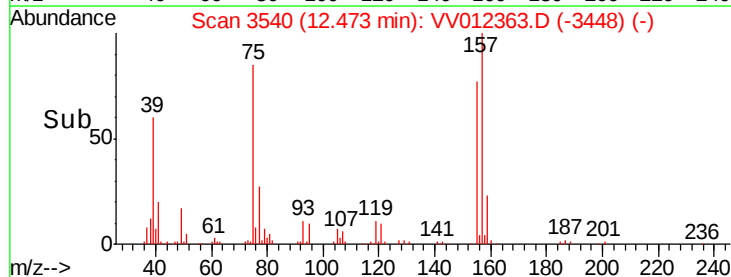
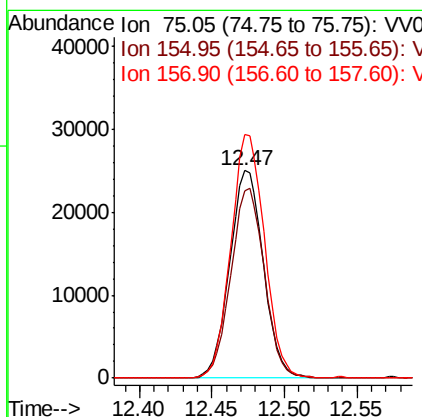
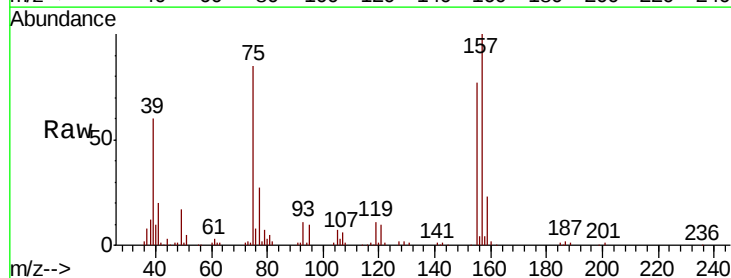
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02031

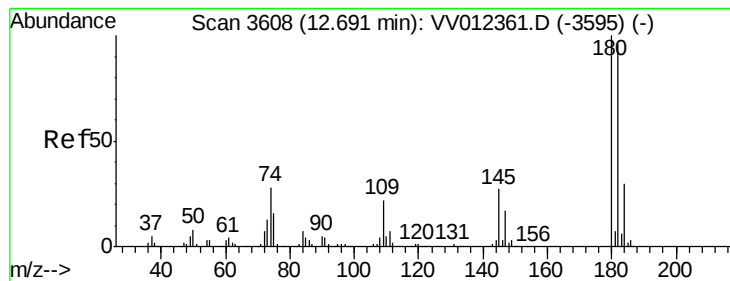
Tgt Ion: 146 Resp: 685958
 Ion Ratio Lower Upper
 146 100
 111 40.2 31.9 47.9
 148 63.9 50.2 75.4



#66
 1,2-Dibromo-3-chloropropane
 Concen: 17.128 ug/L
 RT: 12.47 min Scan# 3540
 Delta R.T. -0.00 min
 Lab File: VV012363.D
 Acq: 23 Aug 2019 14:08

Tgt Ion: 75 Resp: 40564
 Ion Ratio Lower Upper
 75 100
 155 90.7 72.6 109.0
 157 117.5 80.5 120.7





#67

1,3,5-Trichlorobenzene

Concen: 19.460 ug/L

RT: 12.69 min Scan# 3608

Delta R.T. -0.00 min

Lab File: VV012363.D

Acq: 23 Aug 2019 14:08

Instrument :

MSVOA_V

ClientSampleId :

VSTD02031

Tgt Ion:180 Resp: 601118

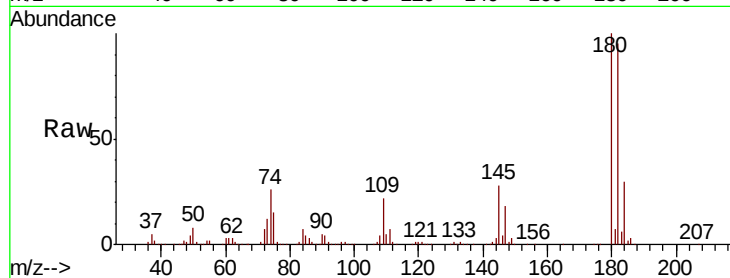
Ion Ratio Lower Upper

180 100

182 94.9 76.4 114.6

184 30.5 23.9 35.9

145 28.3 22.1 33.1

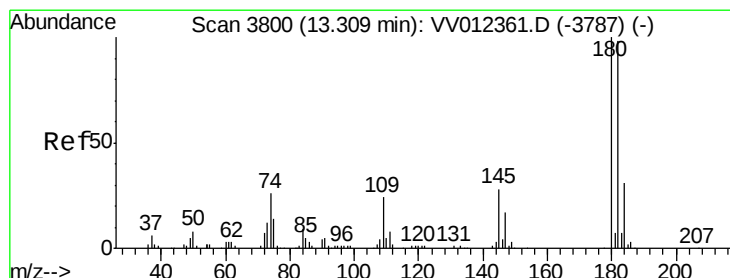
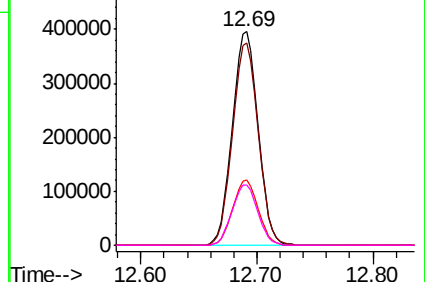
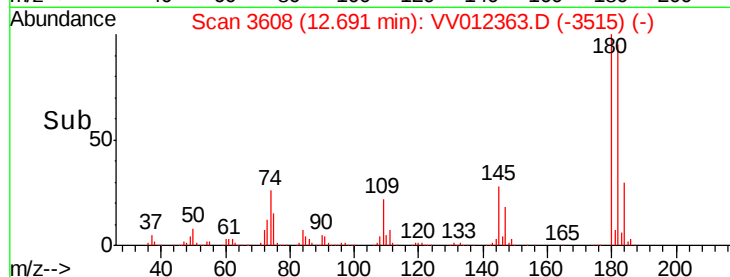


Abundance Ion 180.00 (179.70 to 180.70): V

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: 21.368 ug/L

RT: 13.31 min Scan# 3799

Delta R.T. -0.00 min

Lab File: VV012363.D

Acq: 23 Aug 2019 14:08

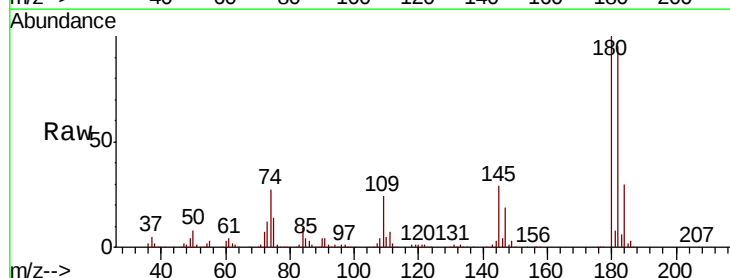
Tgt Ion:180 Resp: 486199

Ion Ratio Lower Upper

180 100

182 94.8 77.3 115.9

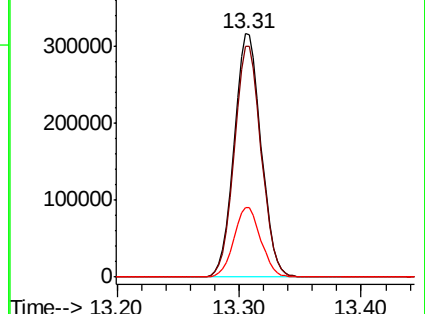
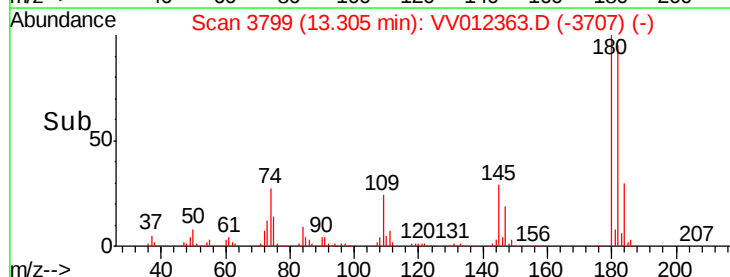
145 28.6 22.6 34.0

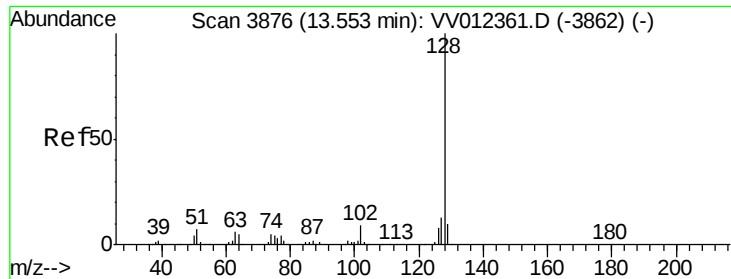


Abundance Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 23.167 ug/L

RT: 13.55 min Scan# 3875

Delta R.T. -0.00 min

Lab File: VV012363.D

Acq: 23 Aug 2019 14:08

Instrument :

MSVOA_V

ClientSampleId :

VSTD02031

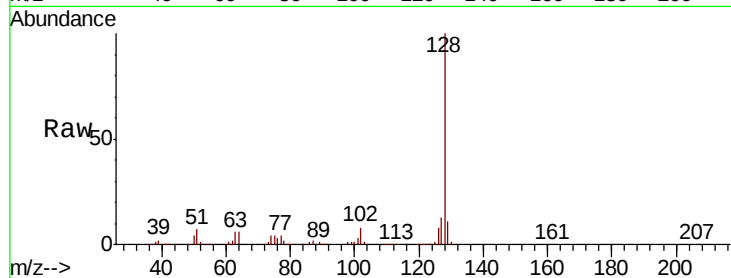
Tgt Ion:128 Resp: 744969

Ion Ratio Lower Upper

128 100

129 10.8 8.6 12.8

127 13.2 10.5 15.7

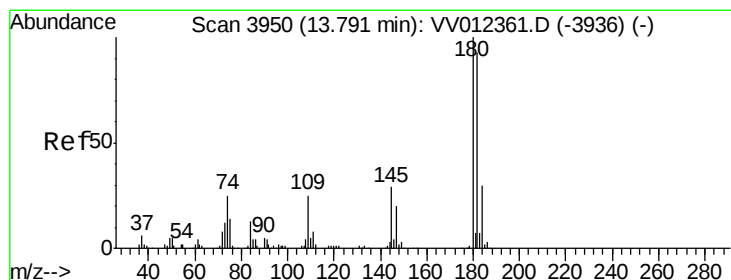
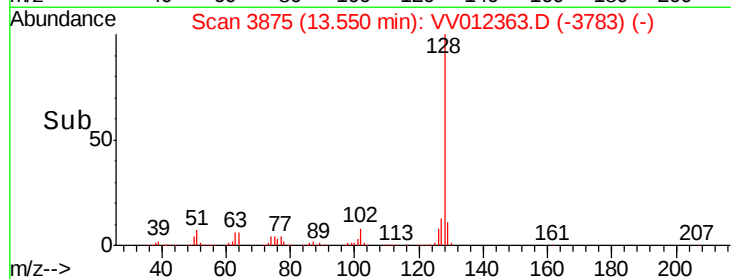
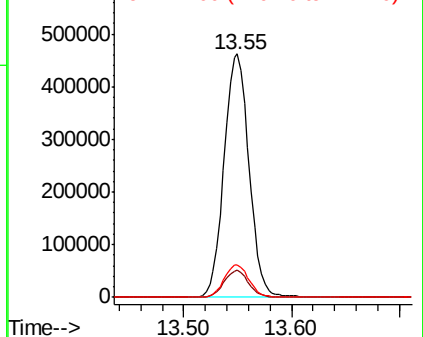


Abundance

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: 20.790 ug/L

RT: 13.79 min Scan# 3950

Delta R.T. 0.00 min

Lab File: VV012363.D

Acq: 23 Aug 2019 14:08

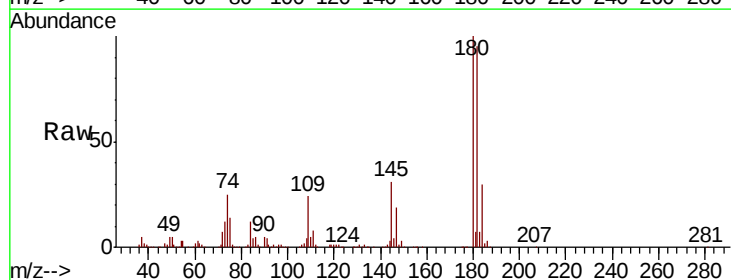
Tgt Ion:180 Resp: 444662

Ion Ratio Lower Upper

180 100

182 95.2 75.1 112.7

145 30.5 23.4 35.2



Abundance

Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

