

Data File : VV012583.D
Acq On : 05 Sep 2019 14:10
Operator : SY/MD
Sample : VSTD01034
Misc : 25mL/MSVOA_V/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD01034

Quant Time: Sep 06 02:44:39 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR090519WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Sep 06 02:40:30 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	179385	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	177079	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	86872	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	163876	9.29	ug/L	0.00
7) Chloroethane-d5	1.58	69	148054	8.53	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	393661	9.16	ug/L	0.00
20) 2-Butanone-d5	3.96	46	348821	104.23	ug/L	0.00
24) Chloroform-d	4.40	84	250273	9.18	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	131030	9.27	ug/L	0.00
32) Benzene-d6	5.10	84	465195	9.28	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	146674	9.31	ug/L	0.00
41) Toluene-d8	7.36	98	439372	9.70	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.66	79	53235	9.31	ug/L	0.00
46) 2-Hexanone-d5	8.14	63	240772	112.51	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.26	84	104797	9.42	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.67	152	142160	8.97	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	191164	8.356 ug/L	99
3) Chloromethane	1.25	50	255274	9.386 ug/L	100
5) Vinyl chloride	1.32	62	272715	9.265 ug/L	100
6) Bromomethane	1.53	94	156993	8.952 ug/L	96
8) Chloroethane	1.60	64	176967	8.749 ug/L	100
9) Trichlorofluoromethane	1.77	101	415881	9.223 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	229706	9.099 ug/L	97
12) 1,1-Dichloroethene	2.14	96	222103	9.519 ug/L	97
13) Acetone	2.23	43	409580	87.902 ug/L	98
14) Carbon disulfide	2.32	76	702351	9.332 ug/L	99
15) Methyl Acetate	2.47	43	106938	9.316 ug/L	96
16) Methylene chloride	2.53	84	226830	8.488 ug/L	98
17) Methyl tert-butyl Ether	2.81	73	368341	9.351 ug/L	100
18) trans-1,2-Dichloroethene	2.78	96	171658	9.194 ug/L	99
19) 1,1-Dichloroethane	3.23	63	333725	9.289 ug/L	98
21) 2-Butanone	4.05	43	463143	102.821 ug/L	97
22) cis-1,2-Dichloroethene	3.96	96	177769	9.272 ug/L	# 96
23) Bromochloromethane	4.30	128	71794	9.272 ug/L	97
25) Chloroform	4.42	83	334878	8.850 ug/L	98
27) 1,2-Dichloroethane	5.18	62	225253	10.230 ug/L	99
29) 1,1,1-Trichloroethane	4.65	97	275709	9.370 ug/L	98
30) Cyclohexane	4.72	56	309001	10.200 ug/L	98
31) Carbon tetrachloride	4.87	117	244865	9.512 ug/L	98
33) Benzene	5.14	78	727027	9.978 ug/L	100
34) Trichloroethene	5.96	95	186052	9.178 ug/L	99
35) Methylcyclohexane	6.17	83	303614	9.893 ug/L	98
37) 1,2-Dichloropropane	6.22	63	180033	9.183 ug/L	98
38) Bromodichloromethane	6.55	83	231348	9.395 ug/L	97
39) cis-1,3-Dichloropropene	7.07	75	250212	10.004 ug/L	99
40) 4-Methyl-2-pentanone	7.28	43	1187079	105.525 ug/L	100

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Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Sep 06 02:40:30 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.43	91	792943	9.976	ug/L	100
44) trans-1,3-Dichloropropene	7.69	75	195098	9.796	ug/L	98
45) 1,1,2-Trichloroethane	7.88	97	117400	9.561	ug/L	97
47) Tetrachloroethene	8.02	164	139863	9.606	ug/L	99
48) 2-Hexanone	8.19	43	872250	110.070	ug/L	99
49) Dibromochloromethane	8.29	129	142959	9.911	ug/L	98
50) 1,2-Dibromoethane	8.40	107	107886	9.846	ug/L #	96
51) Chlorobenzene	8.92	112	466128	9.400	ug/L	97
52) Ethylbenzene	9.05	91	859544	10.023	ug/L	98
53) m,p-xylene	9.18	106	323923	10.371	ug/L	99
54) o-xylene	9.59	106	306525	10.431	ug/L	99
55) Styrene	9.60	104	527419	10.523	ug/L	99
56) Isopropylbenzene	9.97	105	828652	10.231	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.28	83	132943	9.781	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	105349	9.645	ug/L	99
61) Bromoform	9.77	173	68482	9.644	ug/L	99
62) 1,3-Dichlorobenzene	11.22	146	360608	9.618	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	353414	9.221	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	326144	9.474	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.47	75	20720	8.964	ug/L	95
67) 1,3,5-Trichlorobenzene	12.69	180	245947	9.066	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	190481	9.802	ug/L	99
69) Naphthalene	13.55	128	316504	11.042	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	186203	10.439	ug/L	97

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

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ALS Vial      : 5      Sample Multiplier: 1
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MSVOA_V
ClientSampleId :
VSTD01034

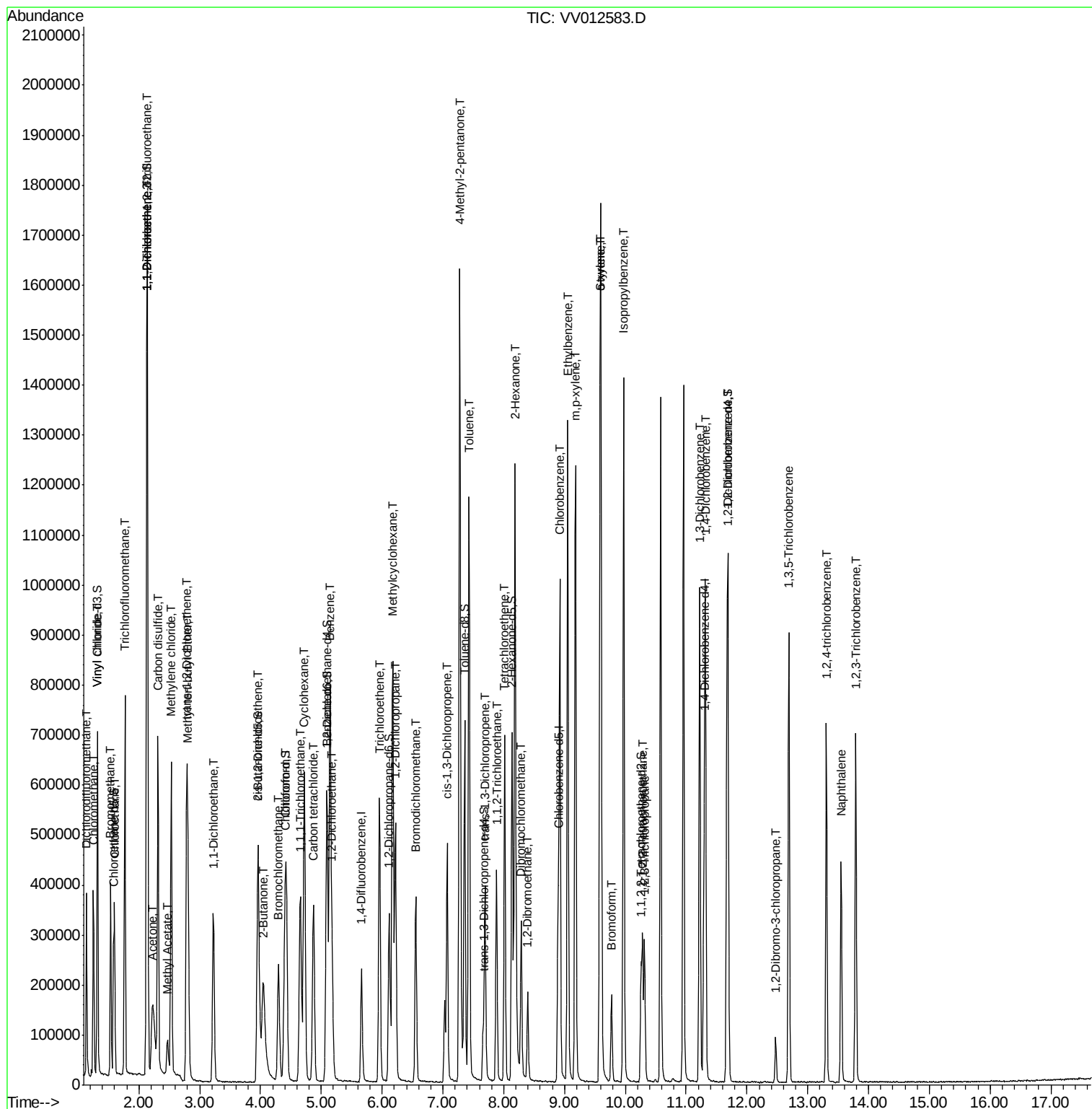
Quant Time: Sep 06 02:44:39 2019

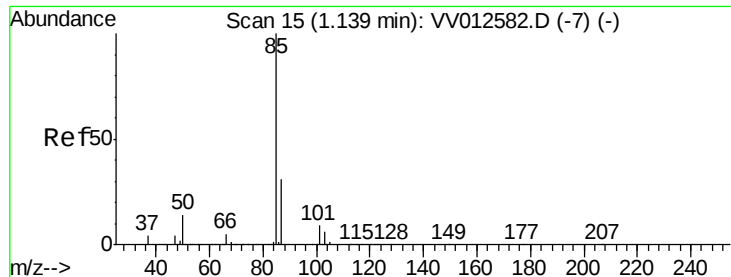
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_V\METHOD\S0MVTR090519WMA.M

Quant Title : TRACE VOA SOM01.0

QLast Update : Fri Sep 06 02:40:30 2019

Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 8.356 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV012583.D

Acq: 05 Sep 2019 14:10

Instrument :

MSVOA_V

ClientSampleId :

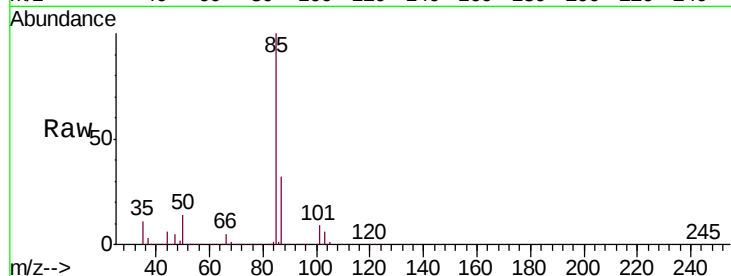
VSTD01034

Tgt Ion: 85 Resp: 191164

Ion Ratio Lower Upper

85 100

87 32.3 25.2 37.8



Abundance Ion 85.00 (84.70 to 85.70): VV012582.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VV012583.D (-1) (-)

1.14

200000

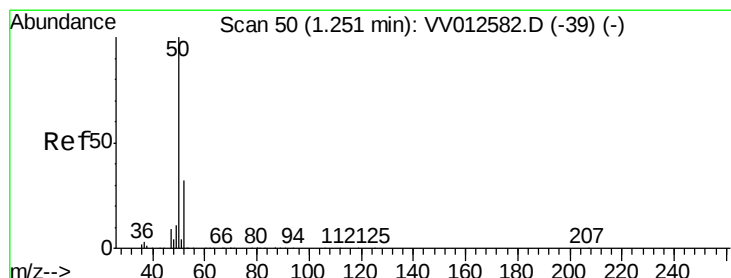
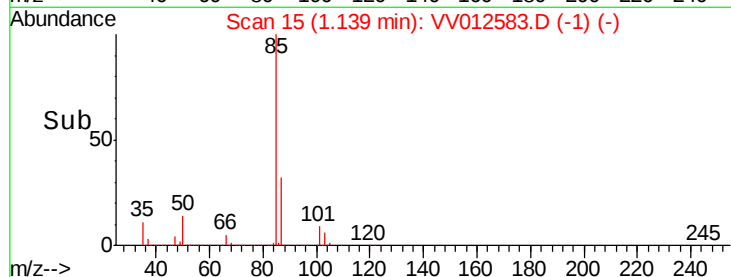
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 9.386 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV012583.D

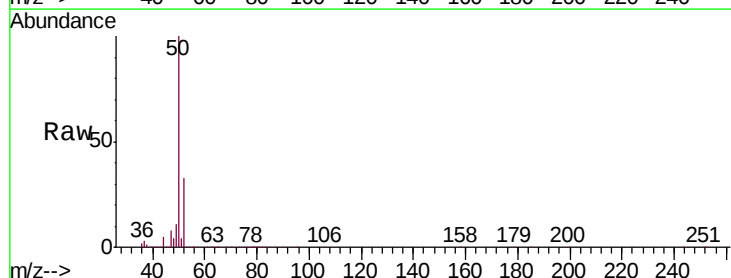
Acq: 05 Sep 2019 14:10

Tgt Ion: 50 Resp: 255274

Ion Ratio Lower Upper

50 100

52 32.6 22.8 42.4



Abundance Ion 50.05 (49.75 to 50.75): VV012582.D (-39) (-)

Ion 52.05 (51.75 to 52.75): VV012583.D (-1) (-)

1.25

250000

200000

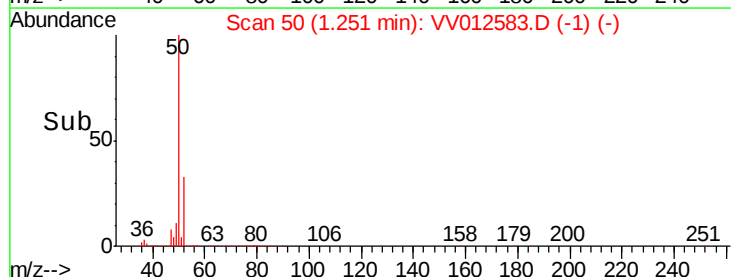
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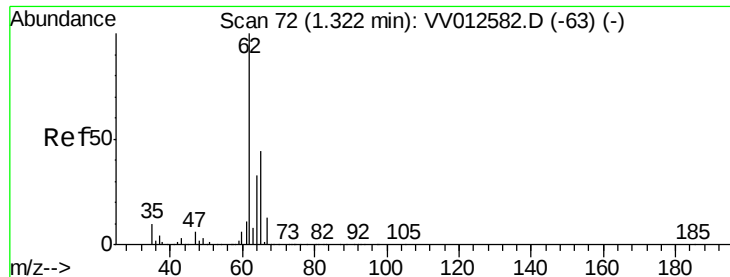
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 9.265 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV012583.D

Acq: 05 Sep 2019 14:10

Instrument :

MSVOA_V

ClientSampleId :

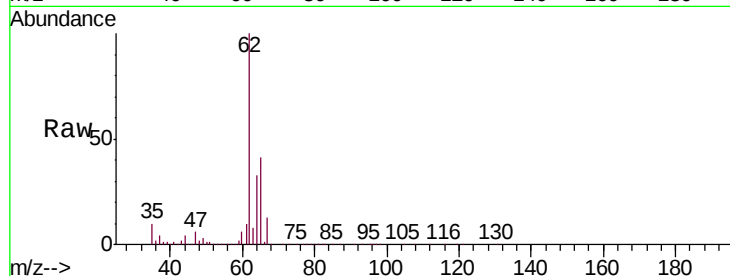
VSTD01034

Tgt Ion: 62 Resp: 272715

Ion Ratio Lower Upper

62 100

64 32.6 23.0 42.6



Abundance Ion 62.00 (61.70 to 62.70): VV012582.D (-63) (-)

Ion 64.10 (63.80 to 64.80): VV012583.D (-45) (-)

1.32

250000

200000

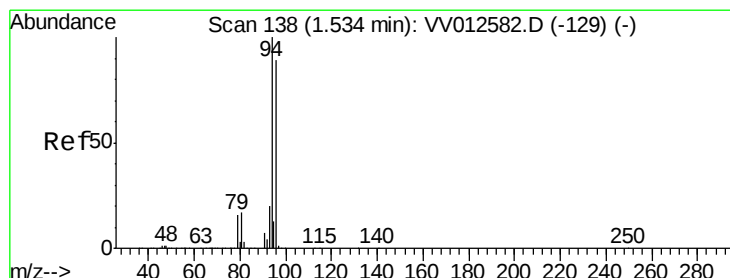
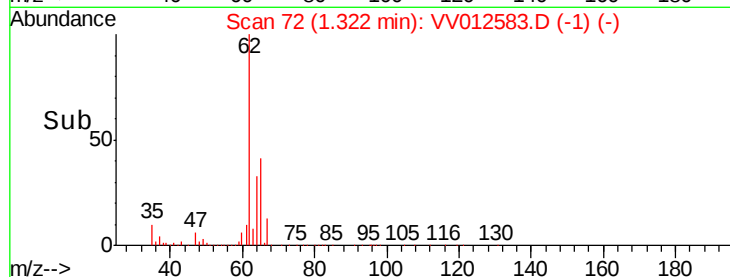
150000

100000

50000

0

Time-->



#6

Bromomethane

Concen: 8.952 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV012583.D

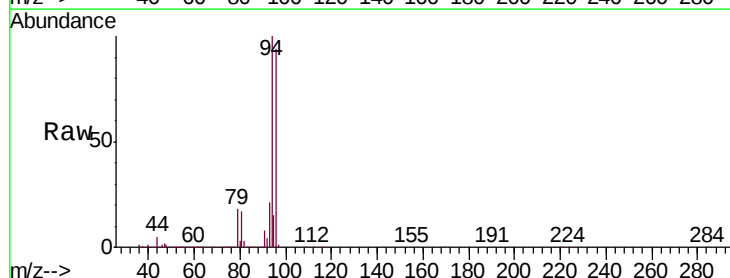
Acq: 05 Sep 2019 14:10

Tgt Ion: 94 Resp: 156993

Ion Ratio Lower Upper

94 100

96 93.5 62.6 116.3



Abundance Ion 94.00 (93.70 to 94.70): VV012582.D (-129) (-)

Ion 96.00 (95.70 to 96.70): VV012583.D (-45) (-)

1.53

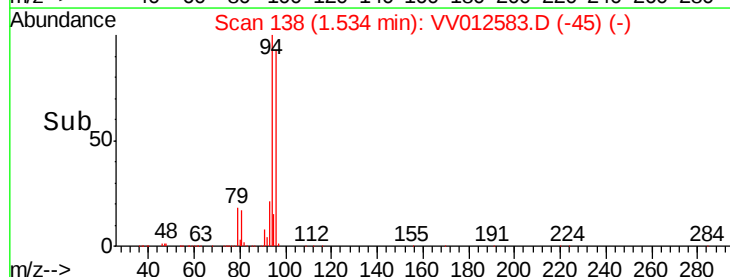
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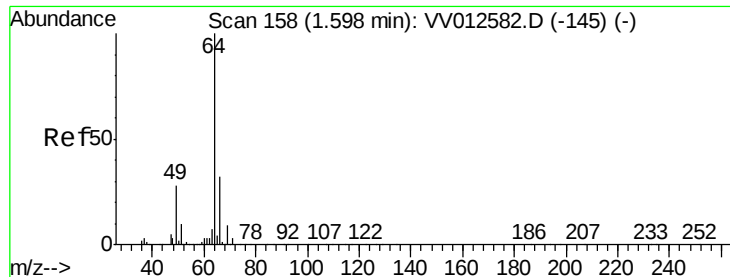
100000

50000

0

Time-->





#8

Chloroethane

Concen: 8.749 ug/L

RT: 1.60 min Scan# 158

Delta R.T. 0.00 min

Lab File: VV012583.D

Acq: 05 Sep 2019 14:10

Instrument :

MSVOA_V

ClientSampleId :

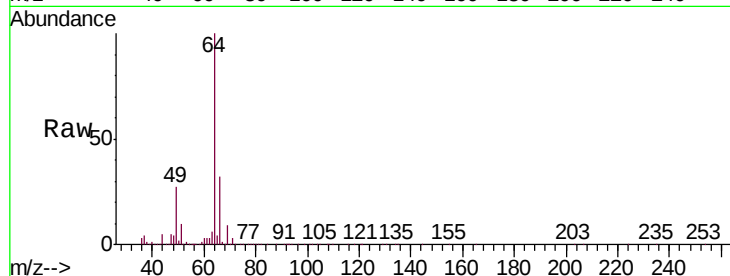
VSTD01034

Tgt Ion: 64 Resp: 176967

Ion Ratio Lower Upper

64 100

66 31.6 22.2 41.2



Abundance Ion 64.10 (63.80 to 64.80): VV012582.D (-145) (-)

Ion 66.05 (65.75 to 66.75): VV012583.D (-65) (-)

1.60

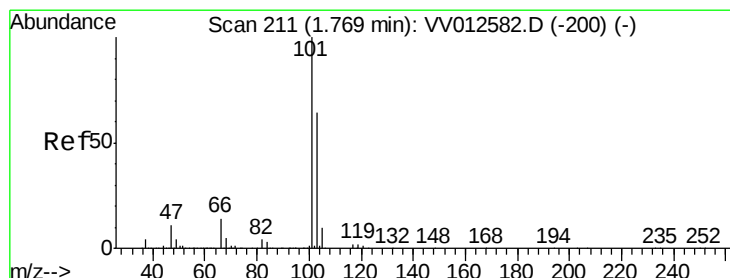
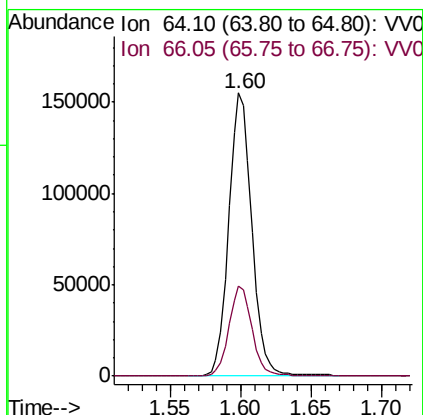
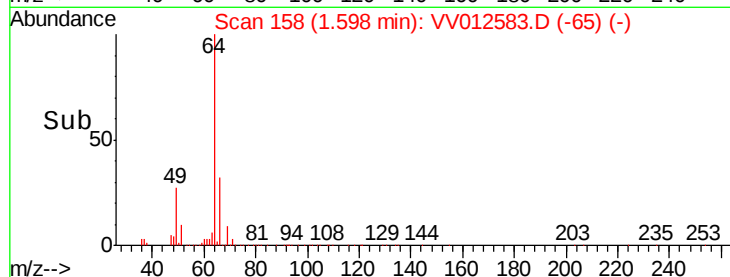
150000

100000

50000

0

Time-->



#9

Trichlorofluoromethane

Concen: 9.223 ug/L

RT: 1.77 min Scan# 211

Delta R.T. 0.00 min

Lab File: VV012583.D

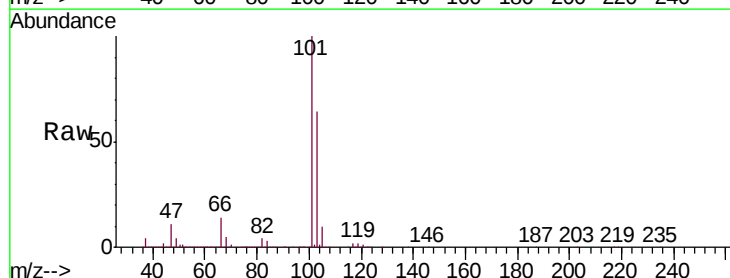
Acq: 05 Sep 2019 14:10

Tgt Ion: 101 Resp: 415881

Ion Ratio Lower Upper

101 100

103 64.7 51.8 77.6



Abundance Ion 101.00 (100.70 to 101.70): VV012582.D (-200) (-)

Ion 103.00 (102.70 to 103.70): VV012583.D (-118) (-)

1.77

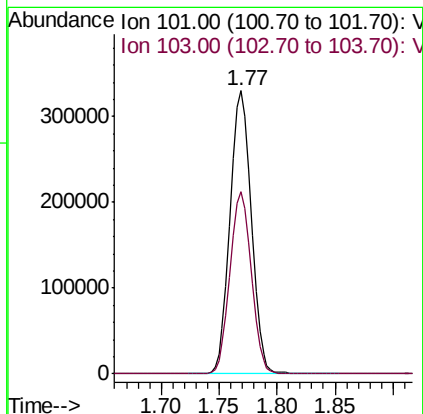
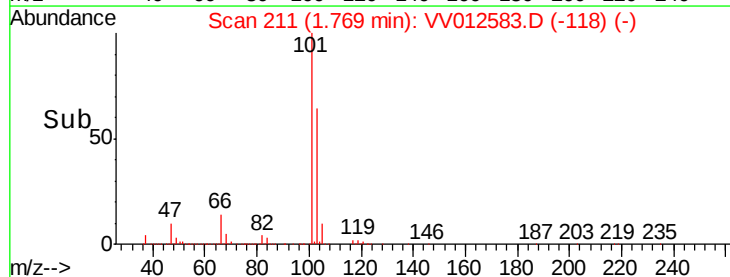
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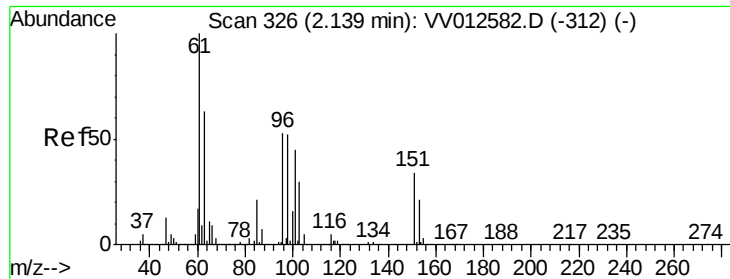
200000

100000

0

Time-->





#10

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

Concen: 9.099 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV012583.D

Acq: 05 Sep 2019 14:10

Instrument :

MSVOA_V

ClientSampleId :

VSTD01034

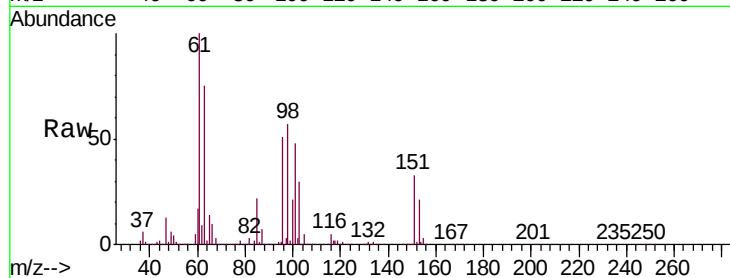
Tgt Ion:101 Resp: 229706

Ion Ratio Lower Upper

101 100

85 44.8 37.4 56.0

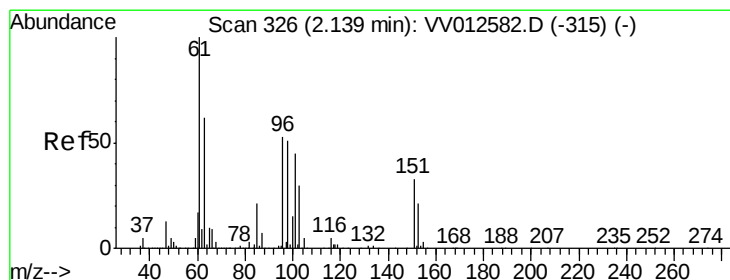
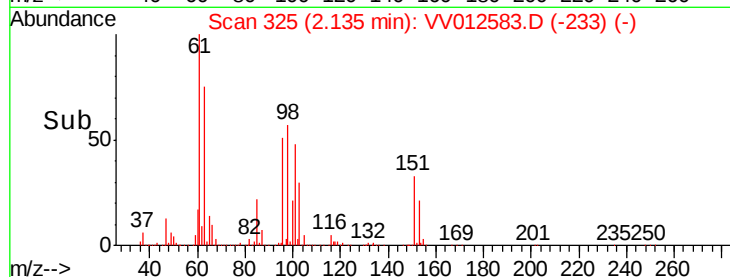
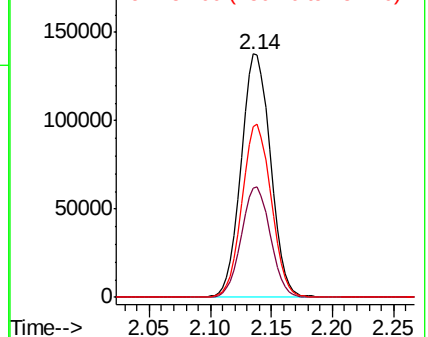
151 70.5 58.2 87.4



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: 9.519 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV012583.D

Acq: 05 Sep 2019 14:10

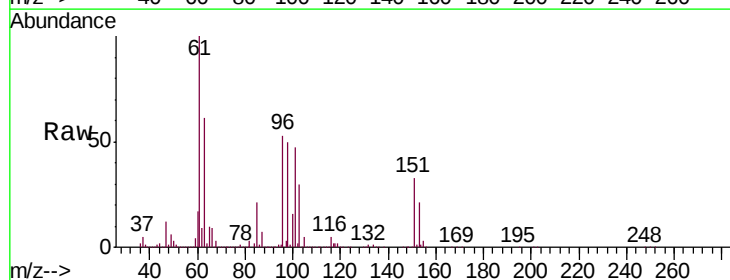
Tgt Ion: 96 Resp: 222103

Ion Ratio Lower Upper

96 100

61 187.9 132.7 246.5

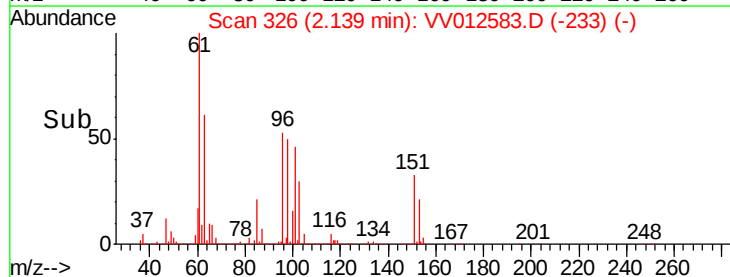
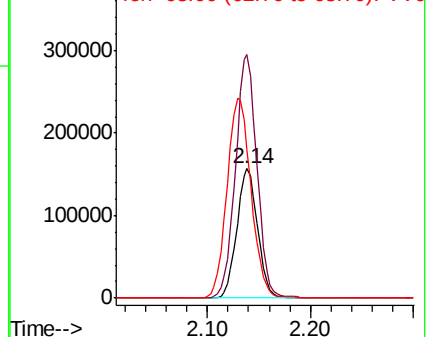
63 114.8 84.1 156.1

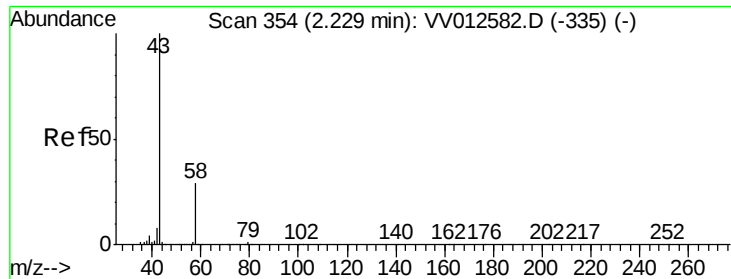


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 87.902 ug/L

RT: 2.23 min Scan# 353

Delta R.T. -0.00 min

Lab File: VV012583.D

Acq: 05 Sep 2019 14:10

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ClientSampleId :

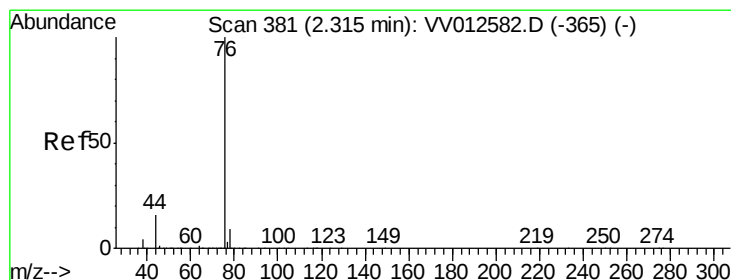
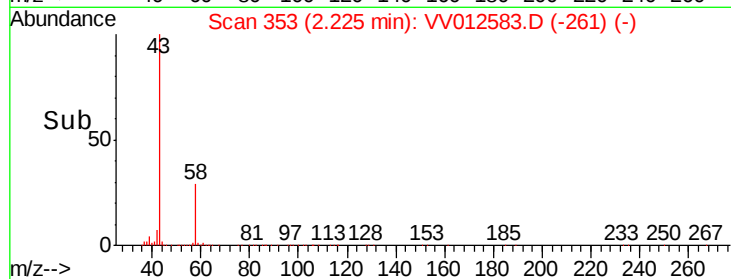
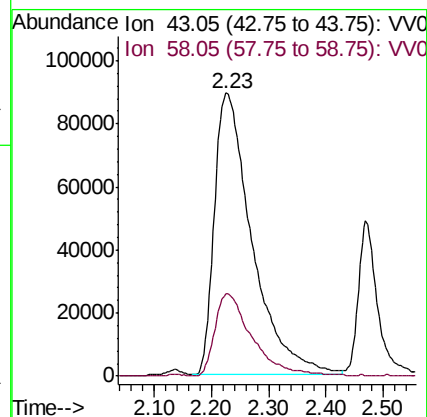
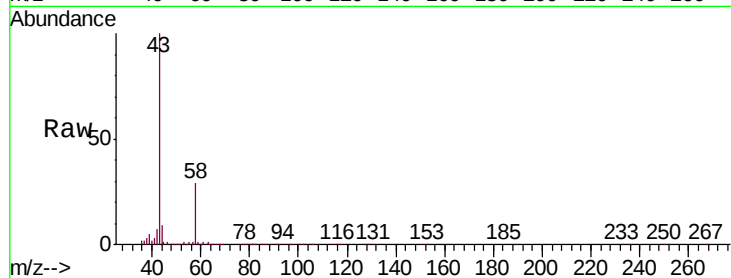
VSTD01034

Tgt Ion: 43 Resp: 409580

Ion Ratio Lower Upper

43 100

58 27.6 0.0 57.0



#14

Carbon disulfide

Concen: 9.332 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

Lab File: VV012583.D

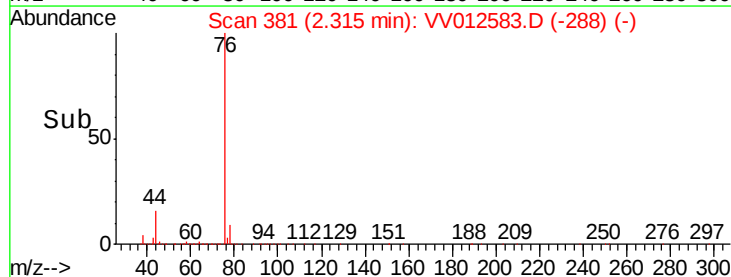
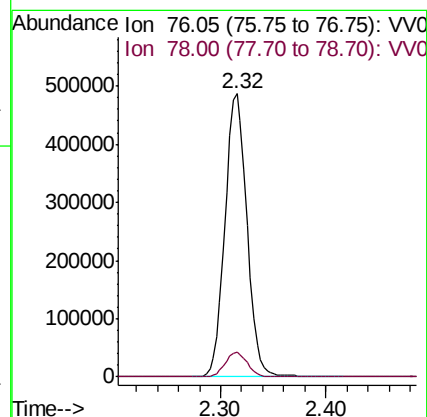
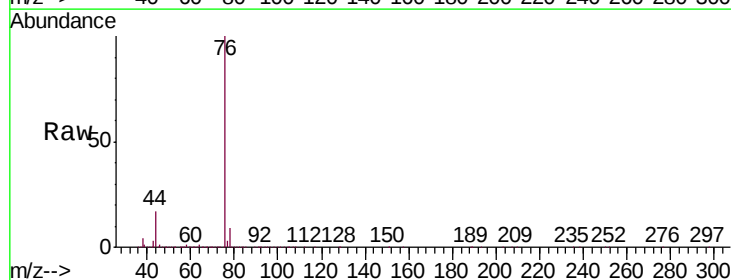
Acq: 05 Sep 2019 14:10

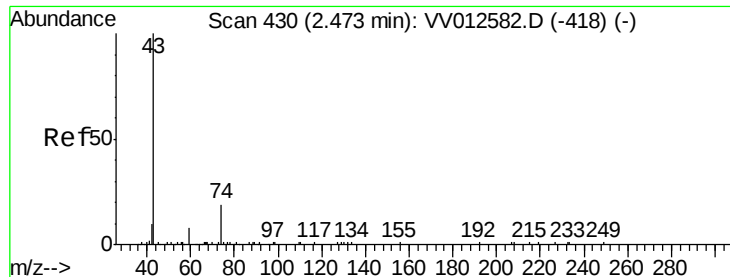
Tgt Ion: 76 Resp: 702351

Ion Ratio Lower Upper

76 100

78 8.7 7.4 11.0





#15

Methyl Acetate

Concen: 9.316 ug/L

RT: 2.47 min Scan# 429

Delta R.T. -0.00 min

Lab File: VV012583.D

Acq: 05 Sep 2019 14:10

Instrument :

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ClientSampleId :

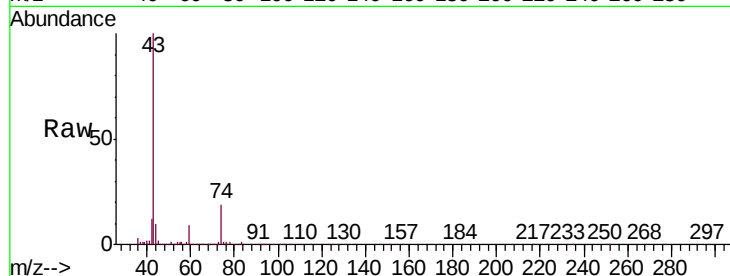
VSTD01034

Tgt Ion: 43 Resp: 106938

Ion Ratio Lower Upper

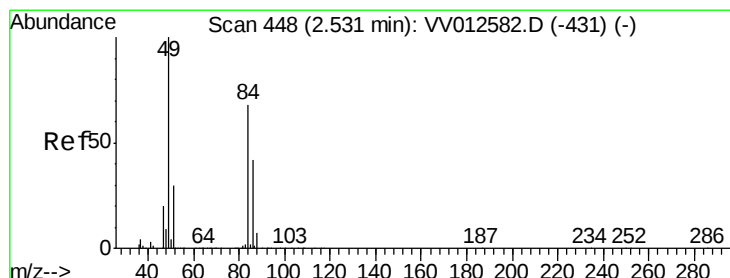
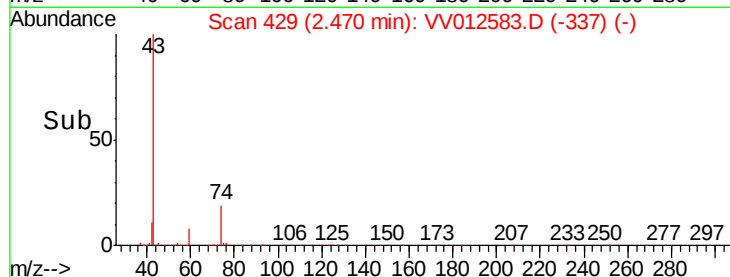
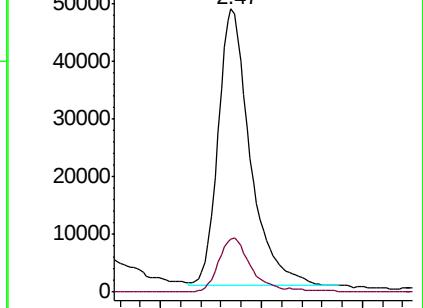
43 100

74 20.2 14.9 22.3



Abundance Ion 43.05 (42.75 to 43.75): VV012582.D (-418) (-)

Ion 74.05 (73.75 to 74.75): VV012582.D (-418) (-)



#16

Methylene chloride

Concen: 8.488 ug/L

RT: 2.53 min Scan# 448

Delta R.T. 0.00 min

Lab File: VV012583.D

Acq: 05 Sep 2019 14:10

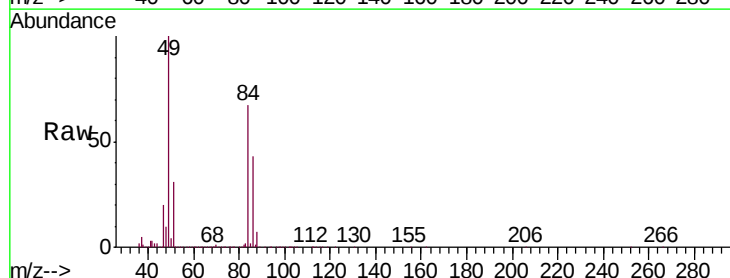
Tgt Ion: 84 Resp: 226830

Ion Ratio Lower Upper

84 100

86 64.5 43.6 81.0

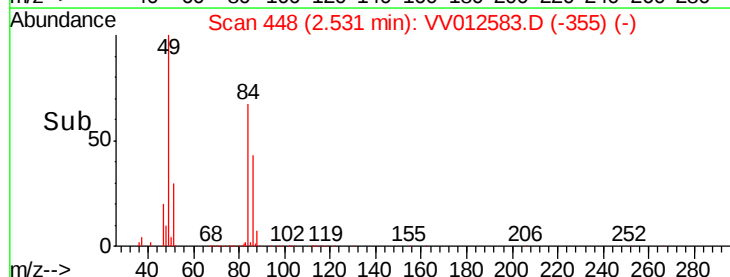
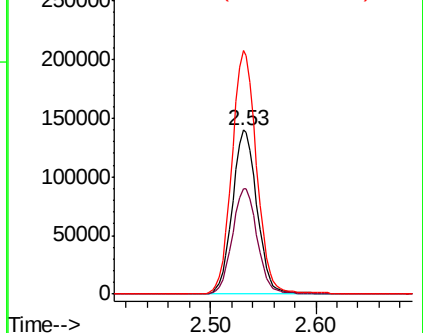
49 148.8 103.0 191.2

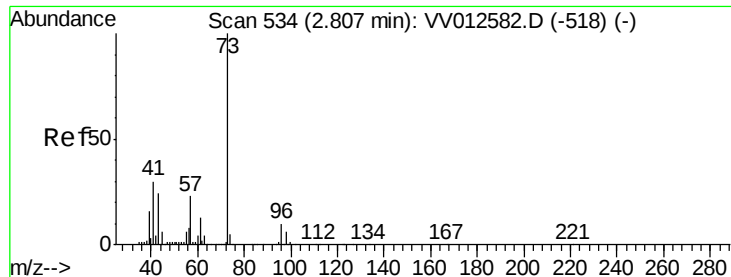


Abundance Ion 84.05 (83.75 to 84.75): VV012582.D (-431) (-)

Ion 86.00 (85.70 to 86.70): VV012582.D (-431) (-)

Ion 49.10 (48.80 to 49.80): VV012582.D (-431) (-)

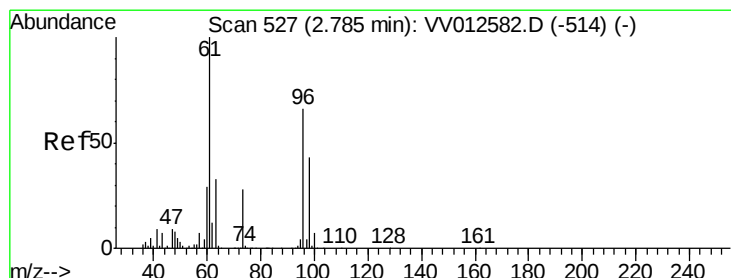
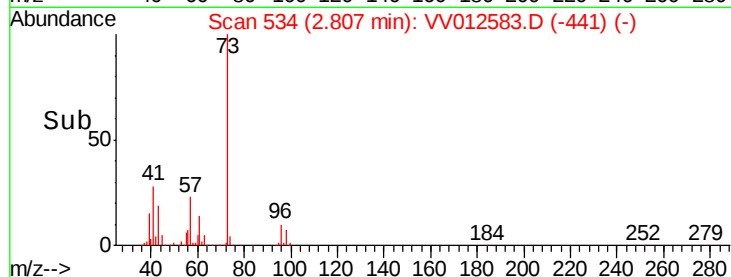
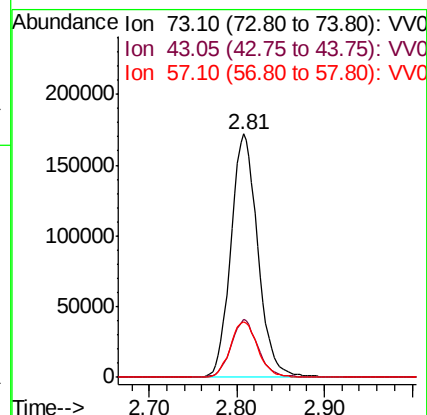
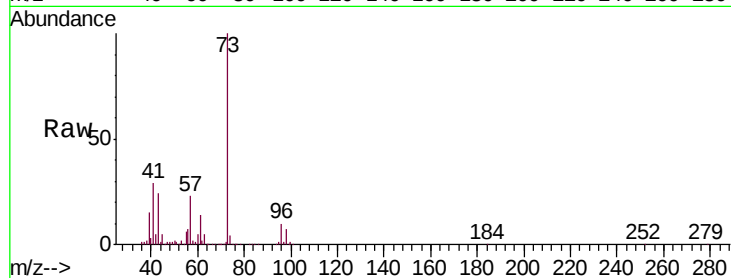




#17
Methyl tert-butyl Ether
Concen: 9.351 ug/L
RT: 2.81 min Scan# 534
Delta R.T. 0.00 min
Lab File: VV012583.D
Acq: 05 Sep 2019 14:10

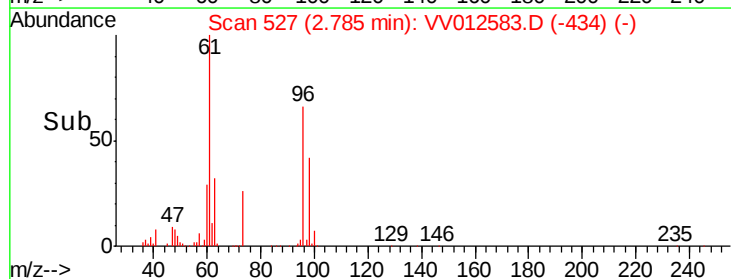
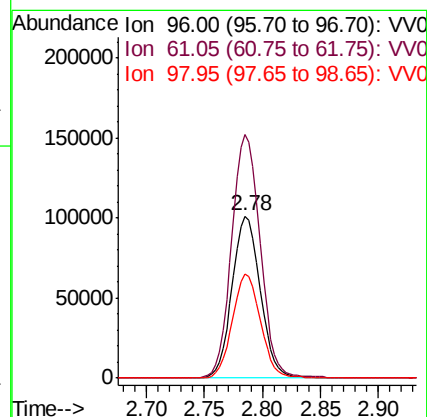
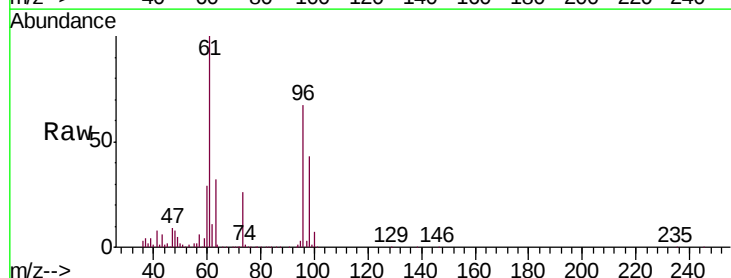
Instrument :
MSVOA_V
ClientSampleId :
VSTD01034

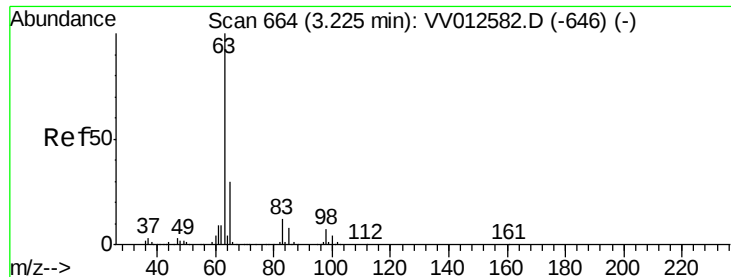
Tgt Ion: 73 Resp: 368341
Ion Ratio Lower Upper
73 100
43 23.4 18.9 28.3
57 23.3 18.9 28.3



#18
trans-1,2-Dichloroethene
Concen: 9.194 ug/L
RT: 2.78 min Scan# 527
Delta R.T. 0.00 min
Lab File: VV012583.D
Acq: 05 Sep 2019 14:10

Tgt Ion: 96 Resp: 171658
Ion Ratio Lower Upper
96 100
61 150.3 105.6 196.0
98 63.9 45.2 84.0

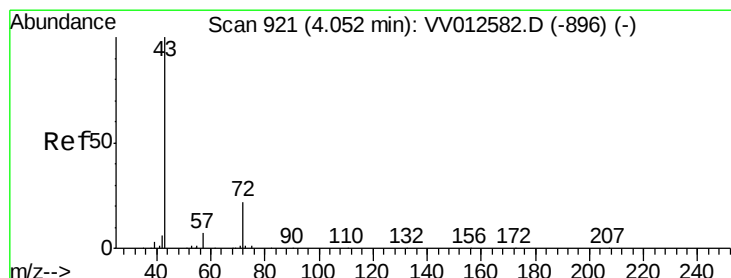
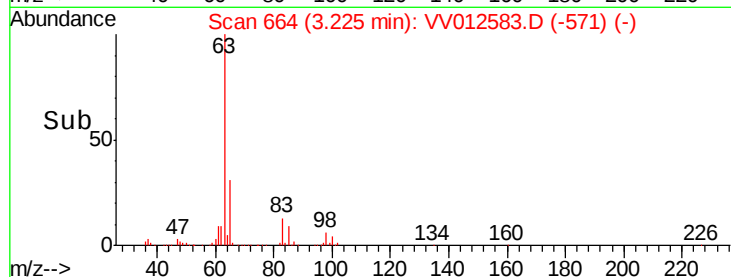
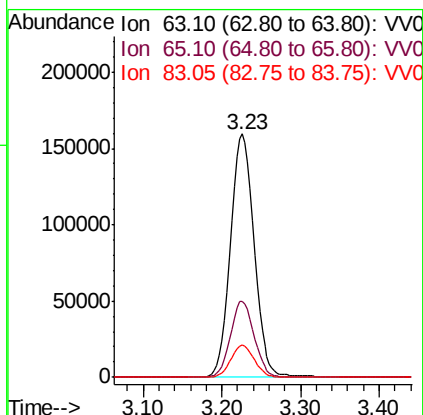
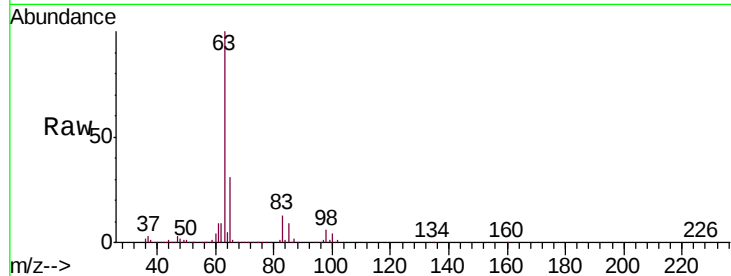




#19
 1,1-Dichloroethane
 Concen: 9.289 ug/L
 RT: 3.23 min Scan# 664
 Delta R.T. 0.00 min
 Lab File: VV012583.D
 Acq: 05 Sep 2019 14:10

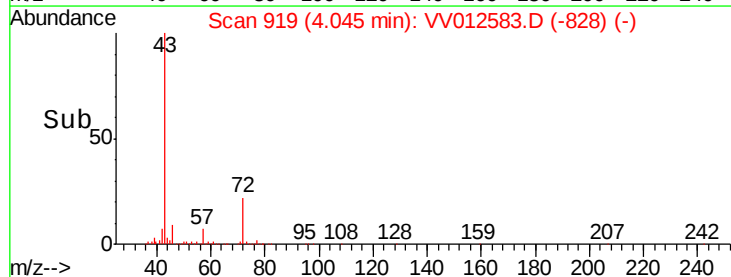
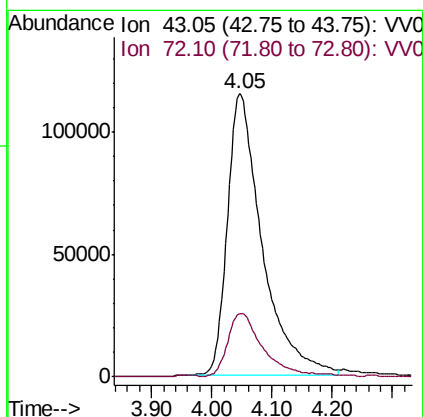
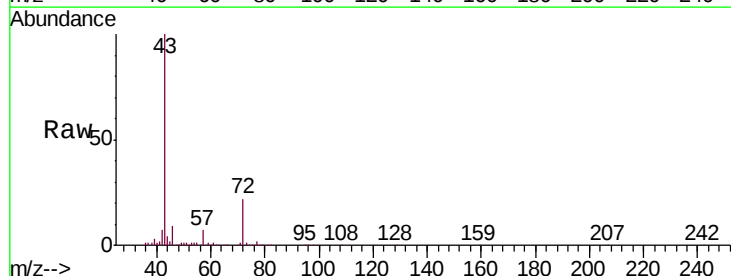
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01034

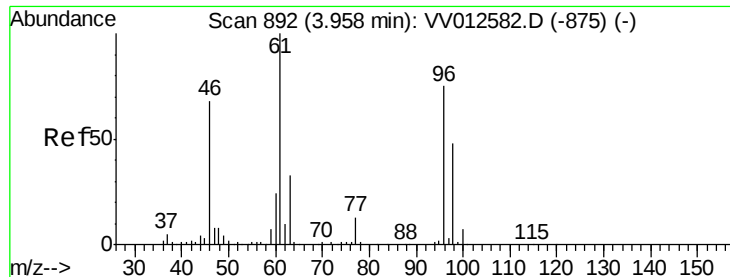
Tgt Ion: 63 Resp: 333725
 Ion Ratio Lower Upper
 63 100
 65 31.4 20.9 38.9
 83 13.1 8.8 16.3



#21
 2-Butanone
 Concen: 102.821 ug/L
 RT: 4.05 min Scan# 919
 Delta R.T. -0.01 min
 Lab File: VV012583.D
 Acq: 05 Sep 2019 14:10

Tgt Ion: 43 Resp: 463143
 Ion Ratio Lower Upper
 43 100
 72 22.5 10.5 31.6



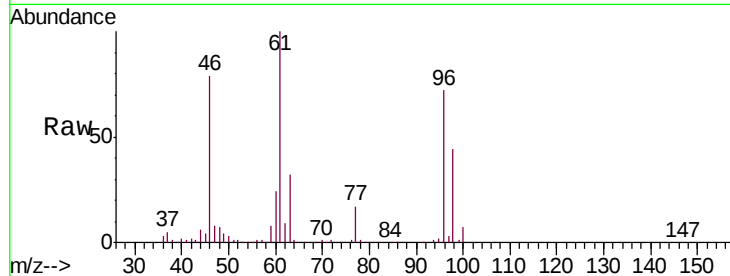


#22

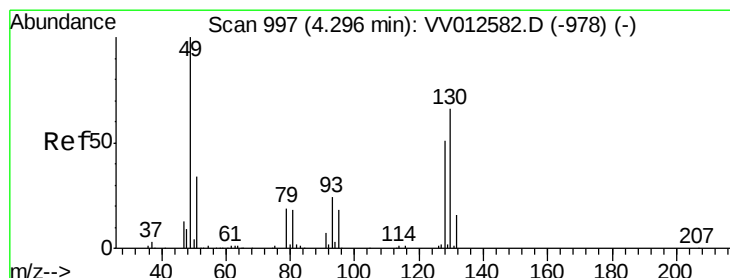
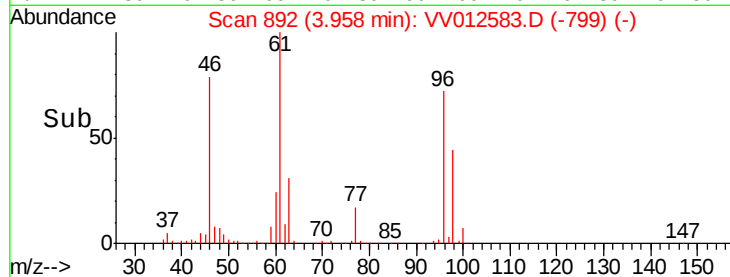
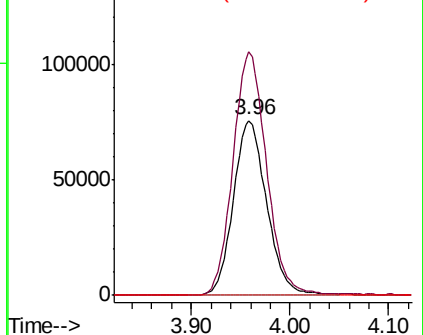
cis-1,2-Dichloroethene
 Concen: 9.272 ug/L
 RT: 3.96 min Scan# 892
 Delta R.T. 0.00 min
 Lab File: VV012583.D
 Acq: 05 Sep 2019 14:10

Instrument :
 MSVOA_V
 ClientSampled :
 VSTD01034

Tgt Ion: 96 Resp: 177769
 Ion Ratio Lower Upper
 96 100
 61 139.1 93.9 174.5
 68 0.1 0.0 0.0#



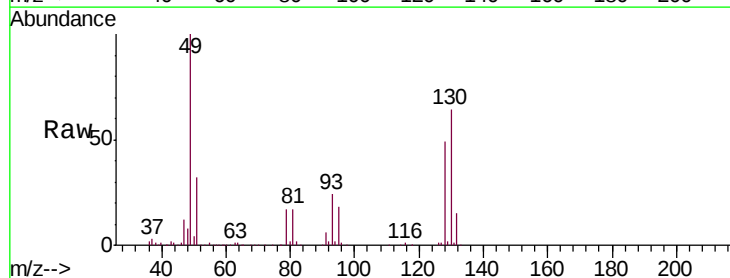
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0



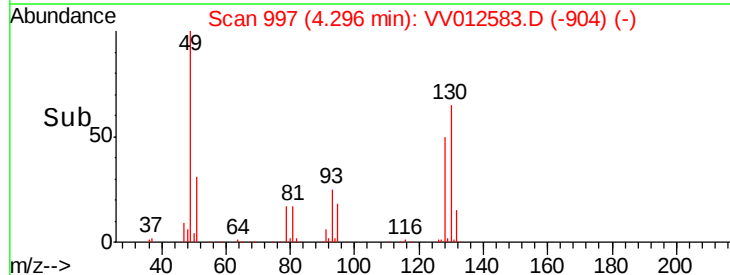
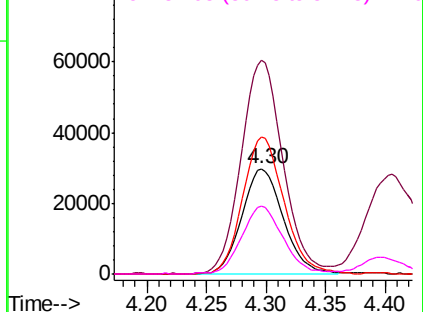
#23

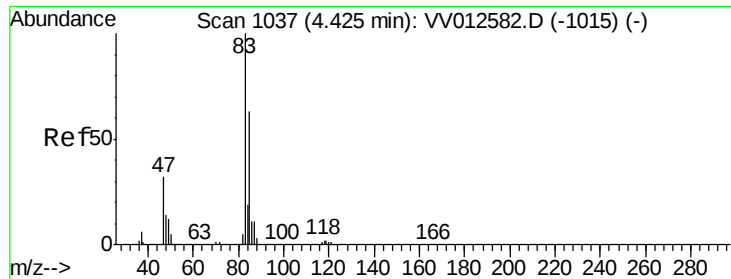
Bromochloromethane
 Concen: 9.272 ug/L
 RT: 4.30 min Scan# 997
 Delta R.T. 0.00 min
 Lab File: VV012583.D
 Acq: 05 Sep 2019 14:10

Tgt Ion: 128 Resp: 71794
 Ion Ratio Lower Upper
 128 100
 49 202.7 137.1 254.7
 130 130.2 90.9 168.9
 51 64.2 54.4 81.6



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: 8.850 ug/L

RT: 4.42 min Scan# 1037

Delta R.T. 0.00 min

Lab File: VV012583.D

Acq: 05 Sep 2019 14:10

Instrument :

MSVOA_V

ClientSampleId :

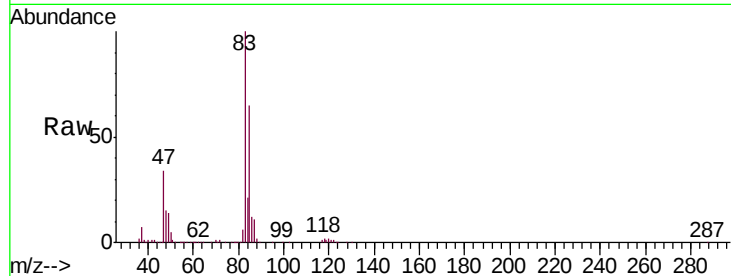
VSTD01034

Tgt Ion: 83 Resp: 334878

Ion Ratio Lower Upper

83 100

85 65.3 44.4 82.5



Abundance Ion 83.05 (82.75 to 83.75): VV0

Ion 85.00 (84.70 to 85.70): VV0

4.42

150000

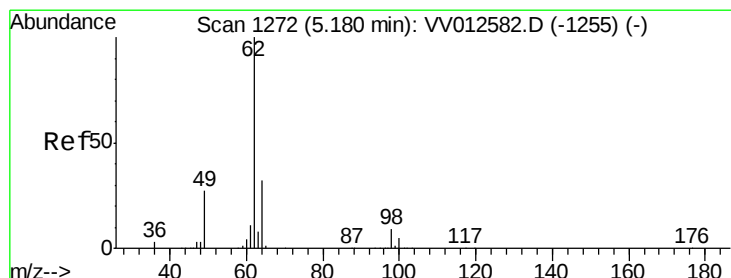
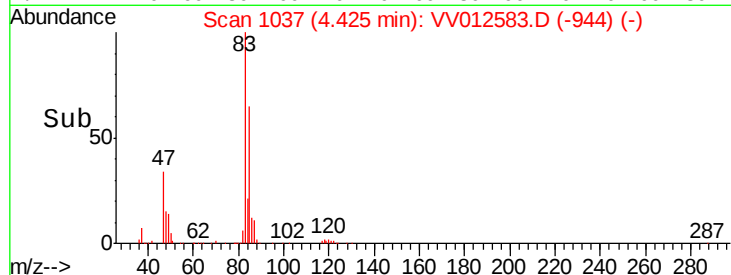
100000

50000

0

4.30 4.40 4.50 4.60

Time-->



#27

1,2-Dichloroethane

Concen: 10.230 ug/L

RT: 5.18 min Scan# 1272

Delta R.T. 0.00 min

Lab File: VV012583.D

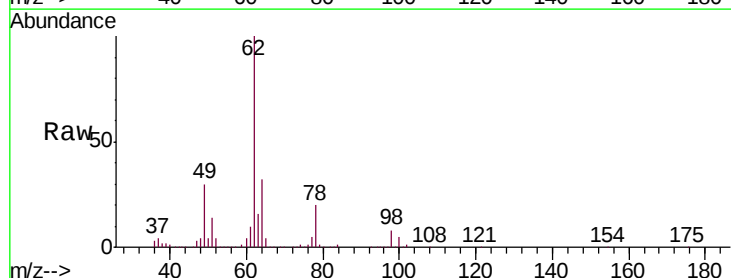
Acq: 05 Sep 2019 14:10

Tgt Ion: 62 Resp: 225253

Ion Ratio Lower Upper

62 100

98 8.3 7.0 10.4



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 98.05 (97.75 to 98.75): VV0

5.18

120000

100000

80000

60000

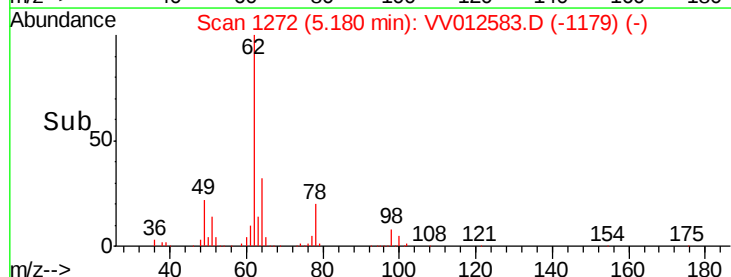
40000

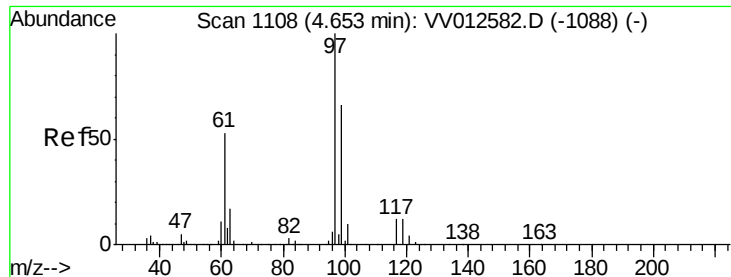
20000

0

5.10 5.20 5.30

Time-->

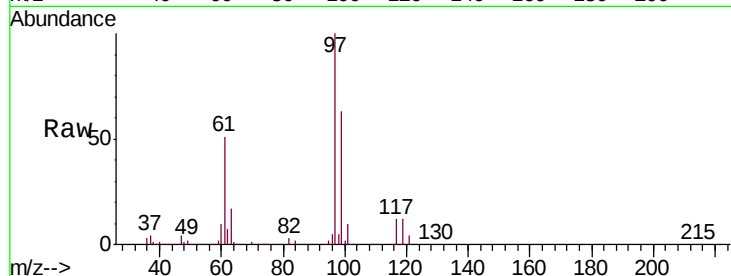




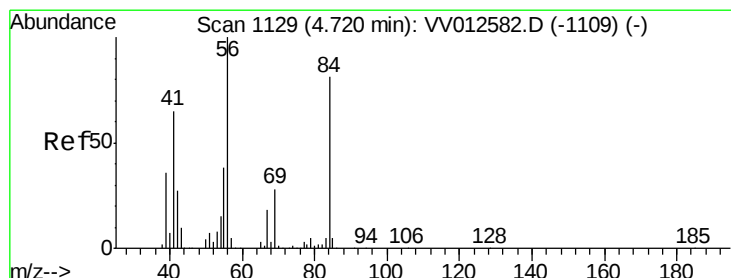
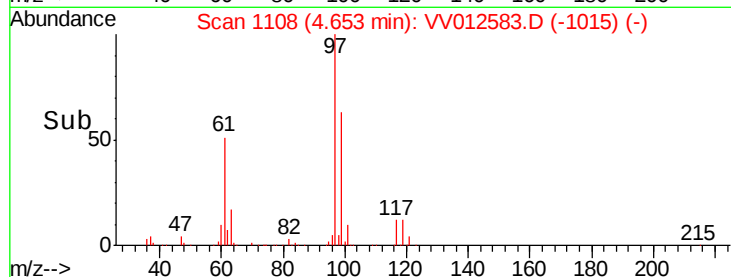
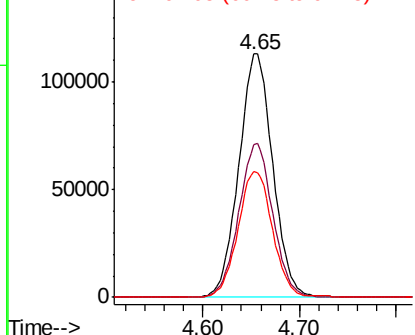
#29
 1,1,1-Trichloroethane
 Concen: 9.370 ug/L
 RT: 4.65 min Scan# 1108
 Delta R.T. 0.00 min
 Lab File: VV012583.D
 Acq: 05 Sep 2019 14:10

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01034

Tgt Ion: 97 Resp: 275709
 Ion Ratio Lower Upper
 97 100
 99 63.2 51.8 77.6
 61 52.5 43.4 65.0

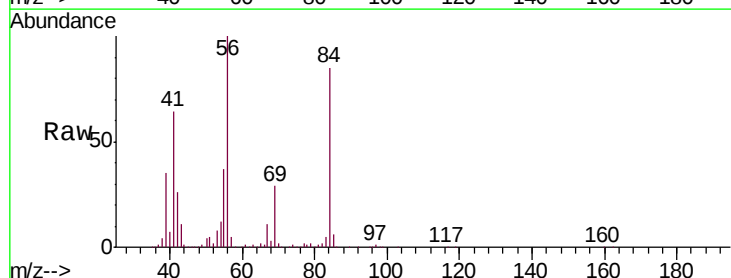


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 61.05 (60.75 to 61.75): VV0

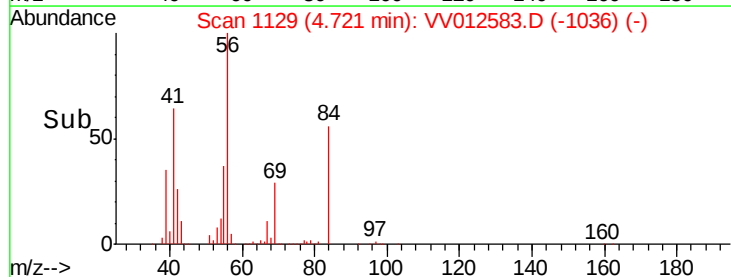
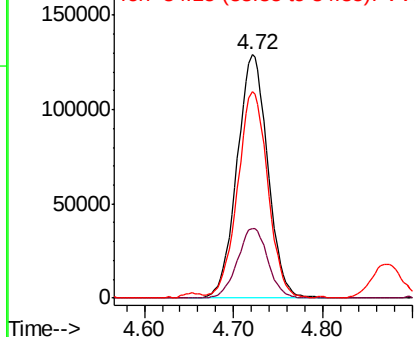


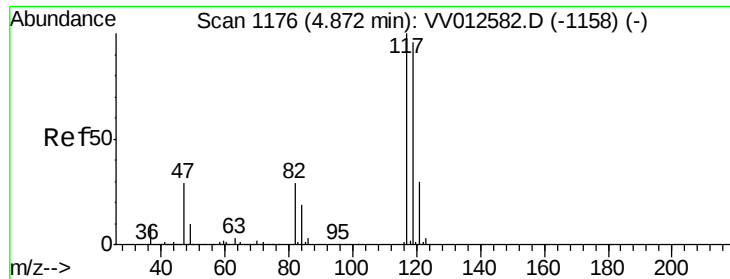
#30
 Cyclohexane
 Concen: 10.200 ug/L
 RT: 4.72 min Scan# 1129
 Delta R.T. 0.00 min
 Lab File: VV012583.D
 Acq: 05 Sep 2019 14:10

Tgt Ion: 56 Resp: 309001
 Ion Ratio Lower Upper
 56 100
 69 28.4 23.4 35.0
 84 82.9 68.0 102.0



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: 9.512 ug/L

RT: 4.87 min Scan# 1176

Delta R.T. 0.00 min

Lab File: VV012583.D

Acq: 05 Sep 2019 14:10

Instrument :

MSVOA_V

ClientSampleId :

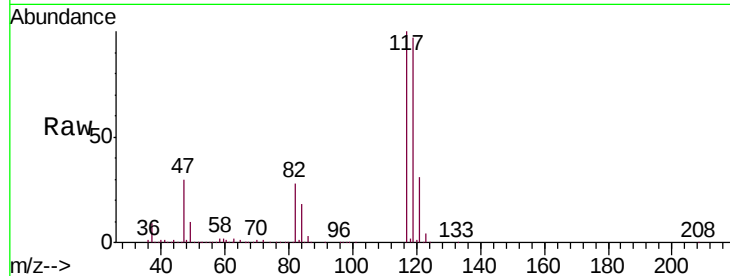
VSTD01034

Tgt Ion:117 Resp: 244865

Ion Ratio Lower Upper

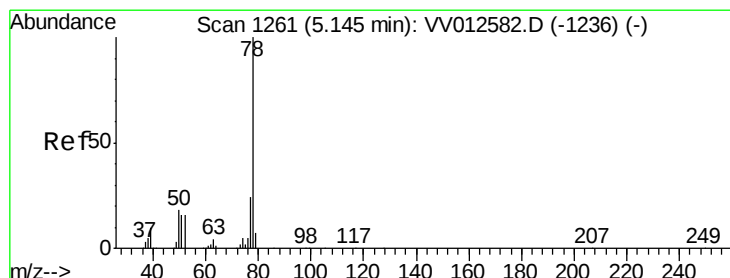
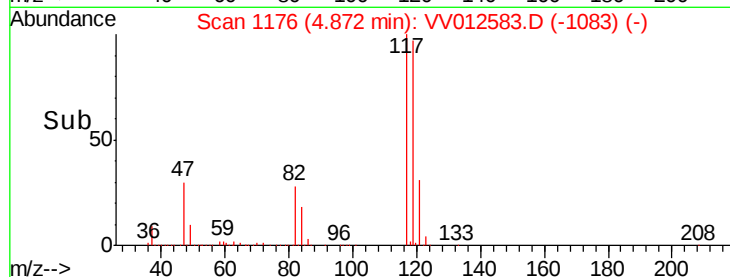
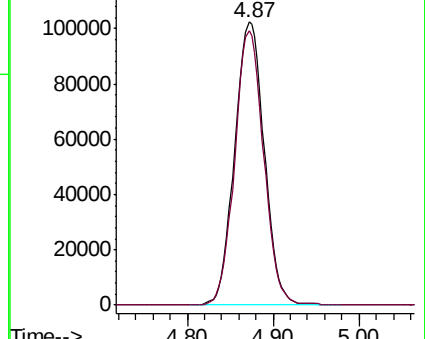
117 100

119 94.2 76.9 115.3



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 9.978 ug/L

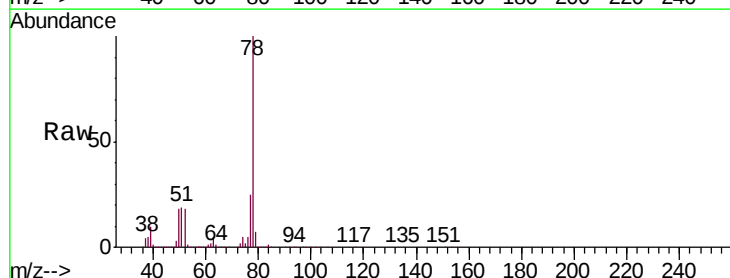
RT: 5.14 min Scan# 1261

Delta R.T. 0.00 min

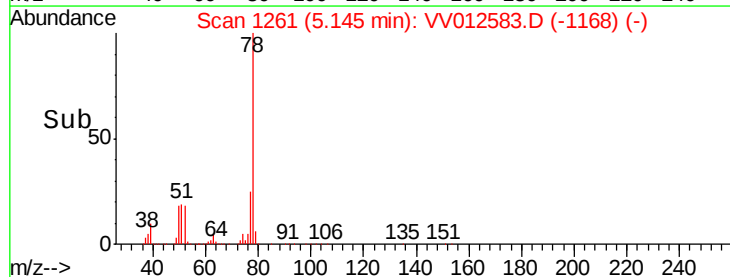
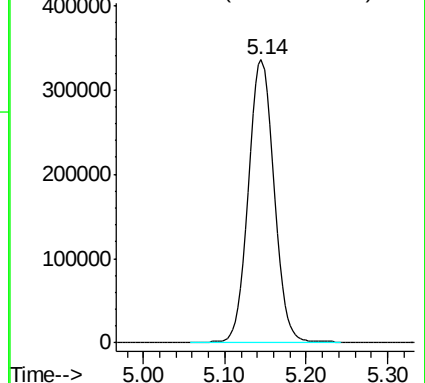
Lab File: VV012583.D

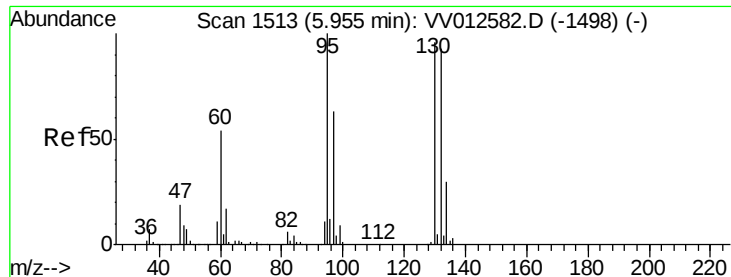
Acq: 05 Sep 2019 14:10

Tgt Ion: 78 Resp: 727027



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 9.178 ug/L

RT: 5.96 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VV012583.D

Acq: 05 Sep 2019 14:10

Instrument :

MSVOA_V

ClientSampleId :

VSTD01034

Tgt Ion: 95 Resp: 186052

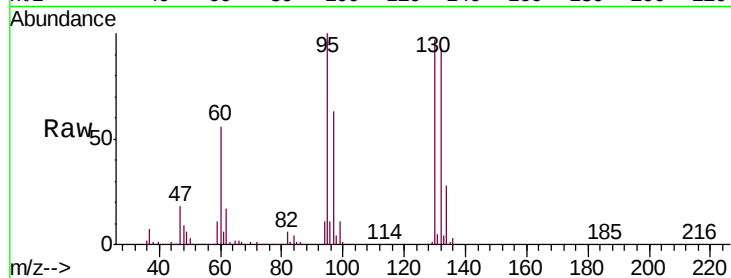
Ion Ratio Lower Upper

95 100

97 63.2 43.9 81.5

132 92.5 64.8 120.4

130 96.8 67.1 124.7

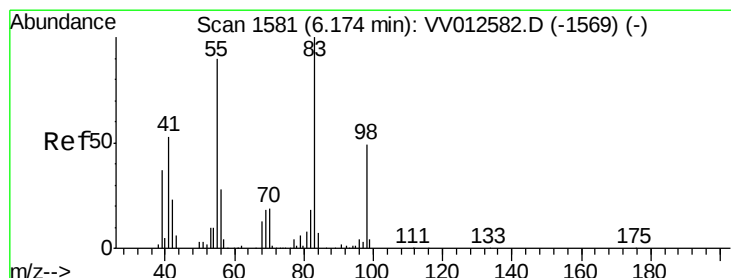
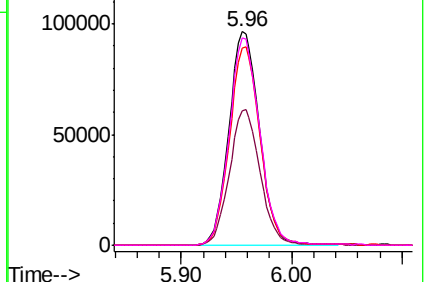
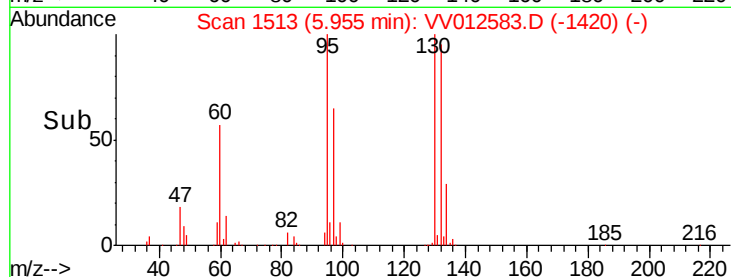


Abundance Ion 95.00 (94.70 to 95.70): VV012582.D (-1498) (-)

Ion 96.95 (96.65 to 97.65): VV012582.D (-1498) (-)

Ion 131.95 (131.65 to 132.65): VV012582.D (-1498) (-)

Ion 129.95 (129.65 to 130.65): VV012582.D (-1498) (-)



#35

Methylcyclohexane

Concen: 9.893 ug/L

RT: 6.17 min Scan# 1581

Delta R.T. 0.00 min

Lab File: VV012583.D

Acq: 05 Sep 2019 14:10

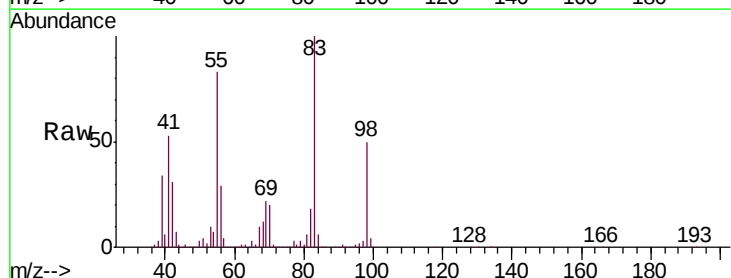
Tgt Ion: 83 Resp: 303614

Ion Ratio Lower Upper

83 100

55 85.7 69.0 103.6

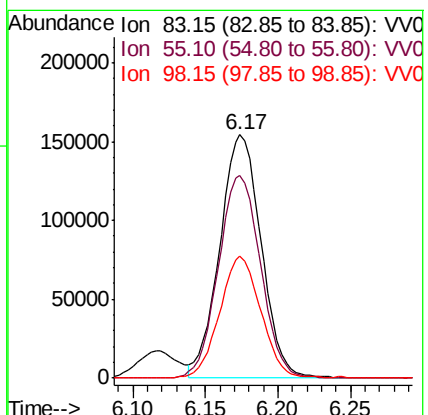
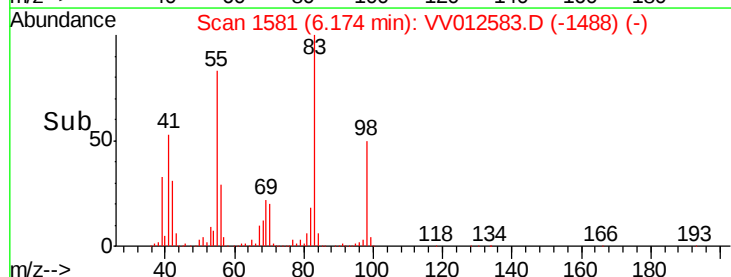
98 50.4 38.0 57.0

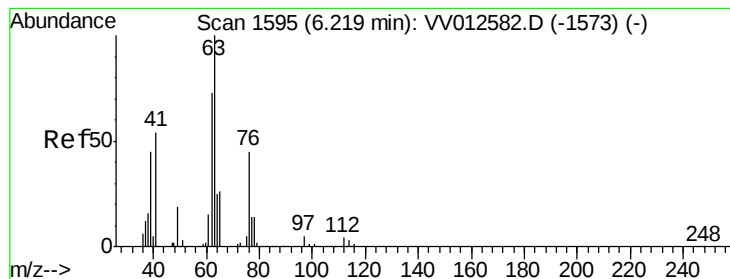


Abundance Ion 83.15 (82.85 to 83.85): VV012582.D (-1569) (-)

Ion 55.10 (54.80 to 55.80): VV012582.D (-1569) (-)

Ion 98.15 (97.85 to 98.85): VV012582.D (-1569) (-)





#37

1,2-Dichloropropane

Concen: 9.183 ug/L

RT: 6.22 min Scan# 1595

Delta R.T. 0.00 min

Lab File: VV012583.D

Acq: 05 Sep 2019 14:10

Instrument :

MSVOA_V

ClientSampleId :

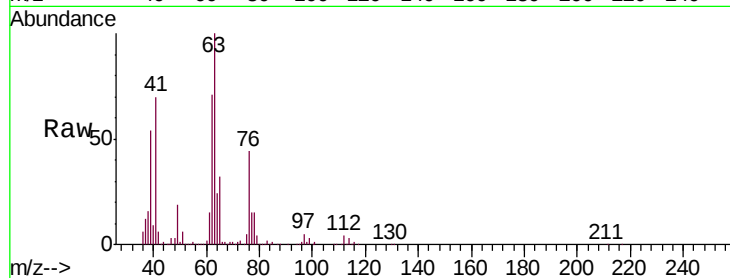
VSTD01034

Tgt Ion: 63 Resp: 180033

Ion Ratio Lower Upper

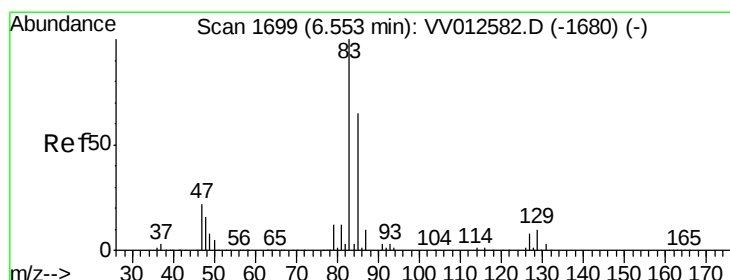
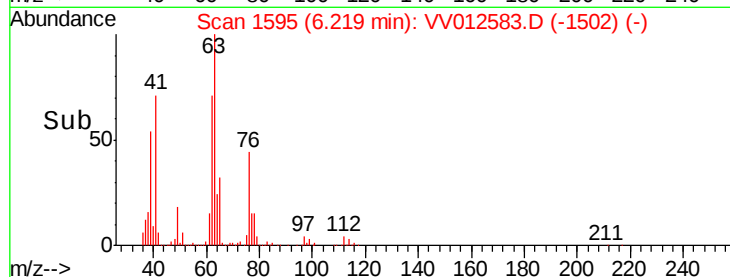
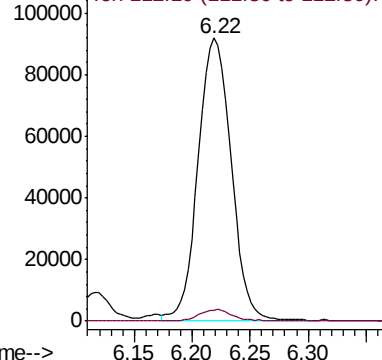
63 100

112 4.3 3.9 5.9



Abundance Ion 63.10 (62.80 to 63.80): VV0

Ion 112.10 (111.80 to 112.80): V



#38

Bromodichloromethane

Concen: 9.395 ug/L

RT: 6.55 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VV012583.D

Acq: 05 Sep 2019 14:10

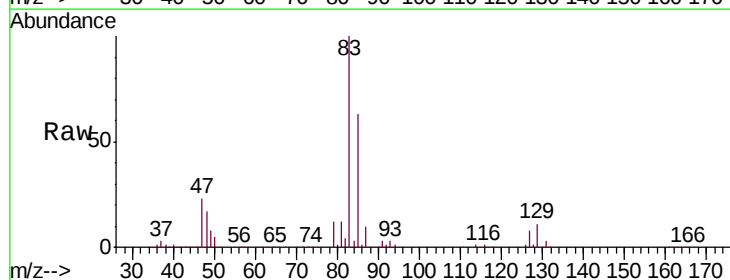
Tgt Ion: 83 Resp: 231348

Ion Ratio Lower Upper

83 100

85 62.8 45.6 84.8

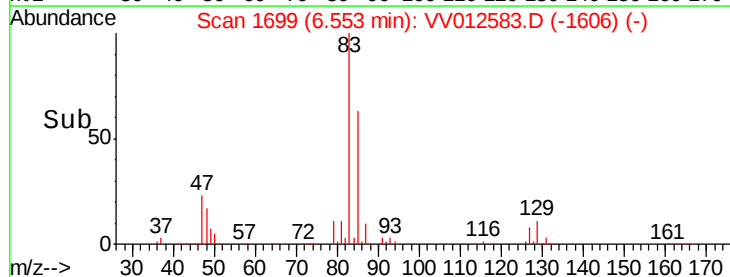
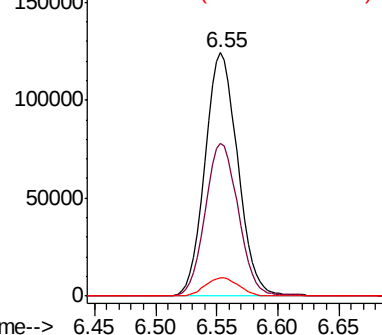
127 7.6 6.4 9.6

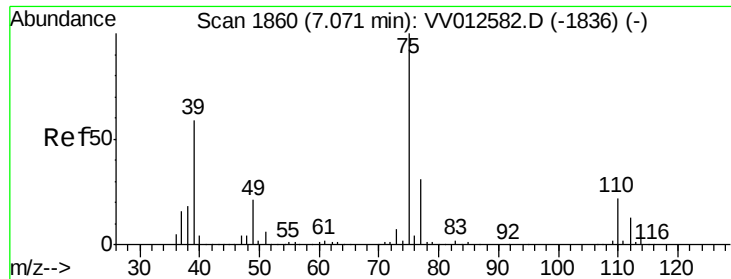


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 126.90 (126.60 to 127.60): V

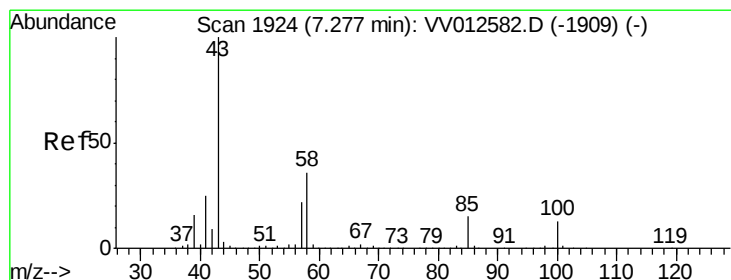
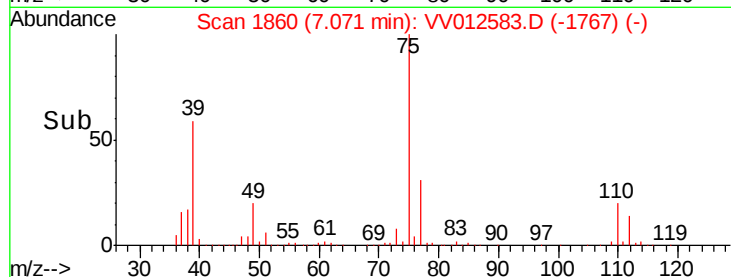
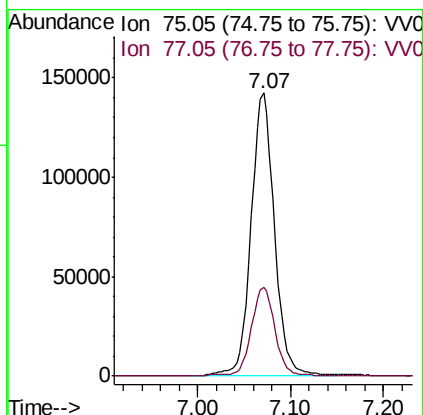
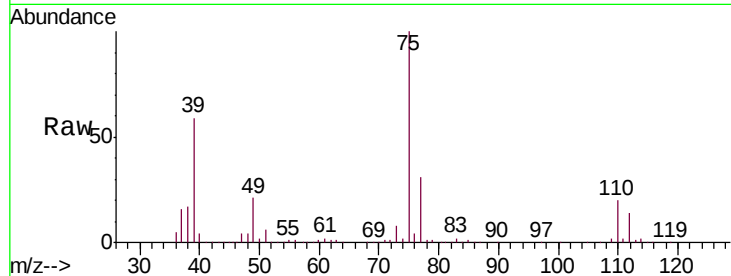




#39
 cis-1,3-Dichloropropene
 Concen: 10.004 ug/L
 RT: 7.07 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VV012583.D
 Acq: 05 Sep 2019 14:10

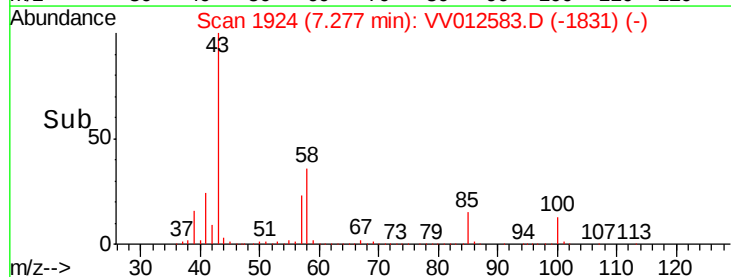
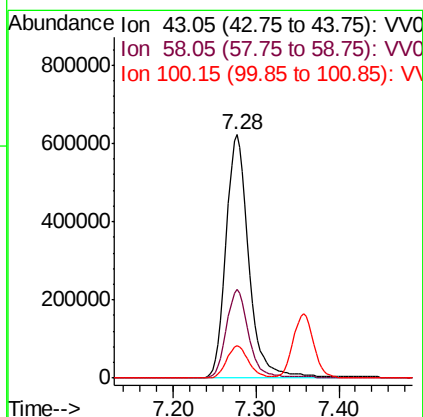
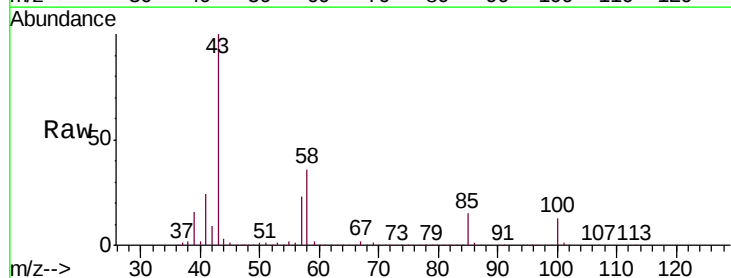
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01034

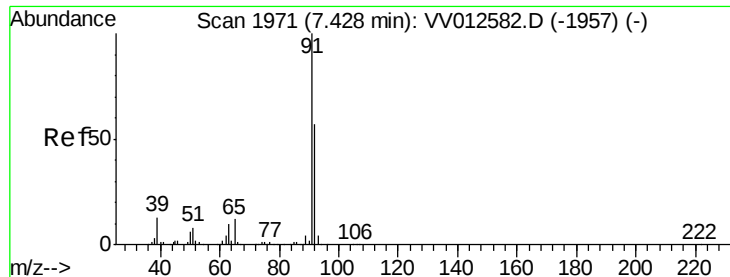
Tgt Ion: 75 Resp: 250212
 Ion Ratio Lower Upper
 75 100
 77 31.3 21.6 40.2



#40
 4-Methyl-2-pentanone
 Concen: 105.525 ug/L
 RT: 7.28 min Scan# 1924
 Delta R.T. 0.00 min
 Lab File: VV012583.D
 Acq: 05 Sep 2019 14:10

Tgt Ion: 43 Resp: 1187079
 Ion Ratio Lower Upper
 43 100
 58 35.6 28.4 42.6
 100 12.8 9.8 14.6





#42

Toluene

Concen: 9.976 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. 0.00 min

Lab File: VV012583.D

Acq: 05 Sep 2019 14:10

Instrument :

MSVOA_V

ClientSampleId :

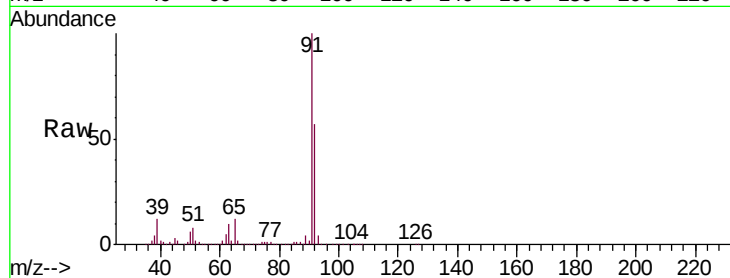
VSTD01034

Tgt Ion: 91 Resp: 792943

Ion Ratio Lower Upper

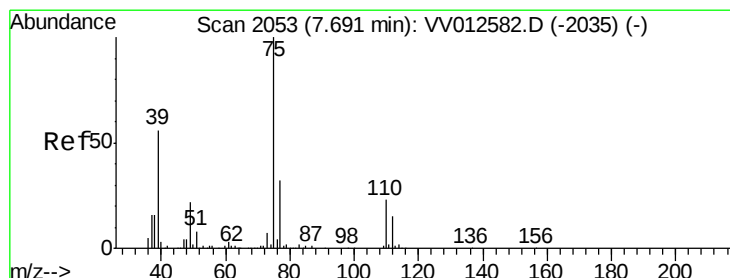
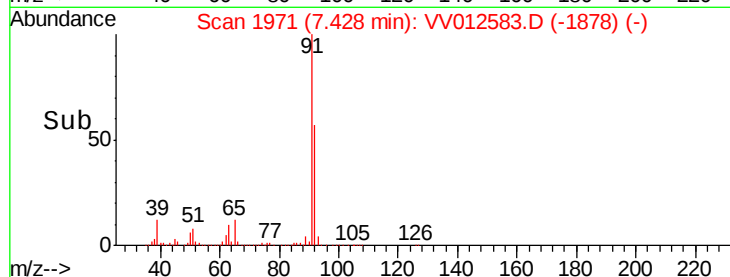
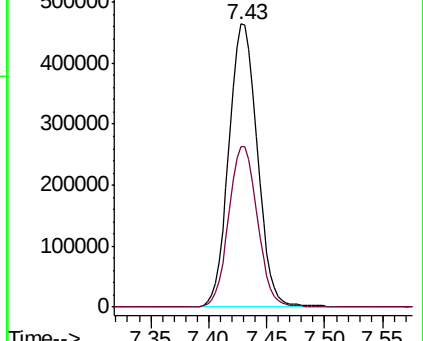
91 100

92 56.8 40.0 74.2



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0



#44

trans-1,3-Dichloropropene

Concen: 9.796 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. 0.00 min

Lab File: VV012583.D

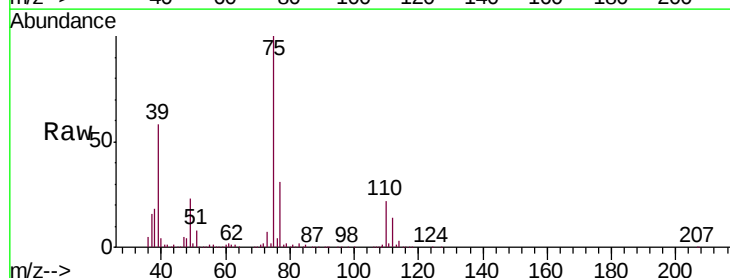
Acq: 05 Sep 2019 14:10

Tgt Ion: 75 Resp: 195098

Ion Ratio Lower Upper

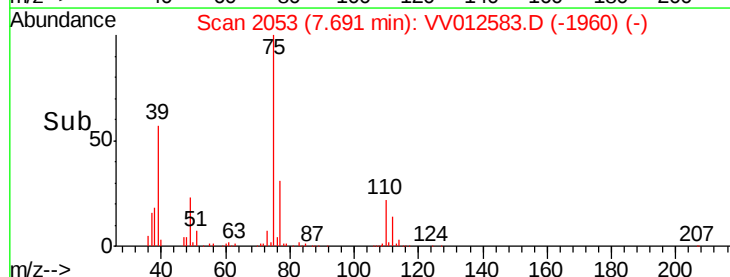
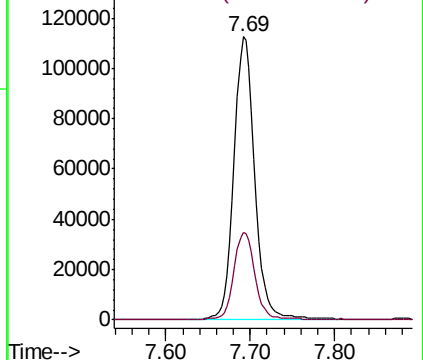
75 100

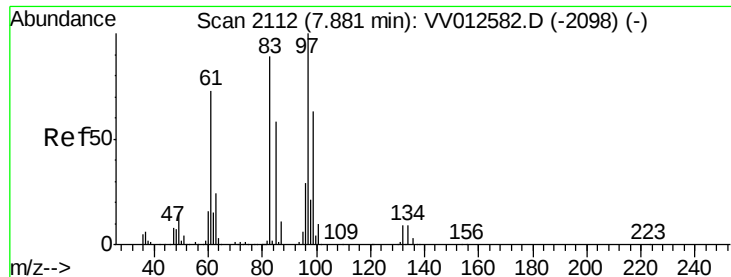
77 30.8 22.5 41.7



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

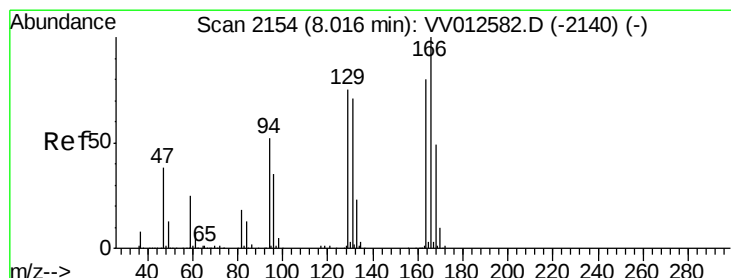
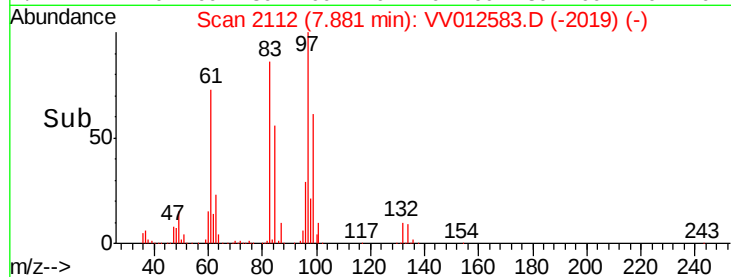
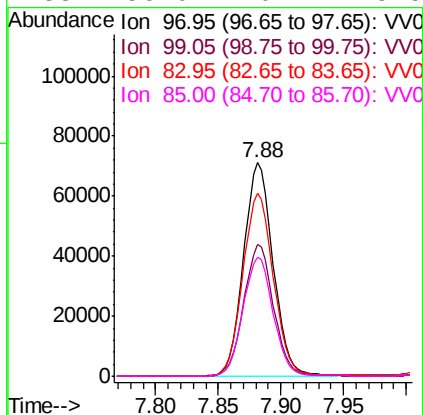
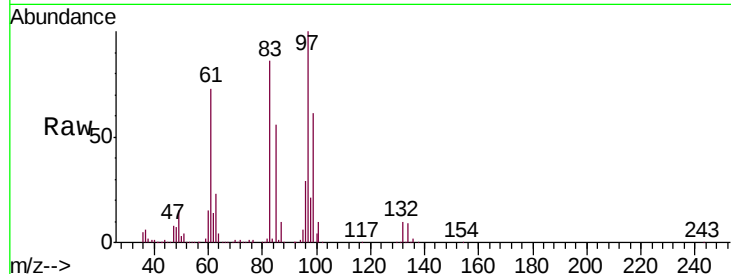




#45
 1,1,2-Trichloroethane
 Concen: 9.561 ug/L
 RT: 7.88 min Scan# 2112
 Delta R.T. 0.00 min
 Lab File: VV012583.D
 Acq: 05 Sep 2019 14:10

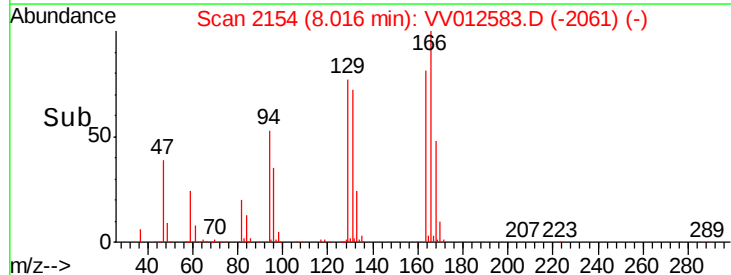
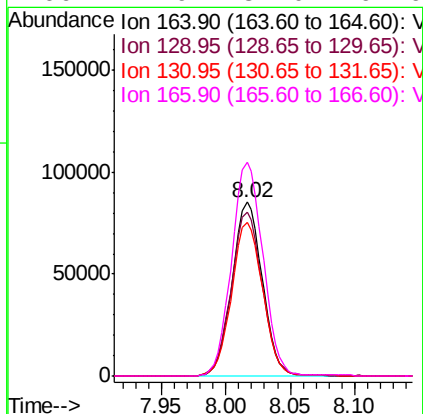
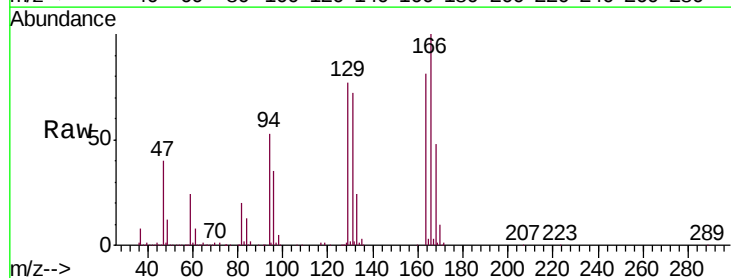
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01034

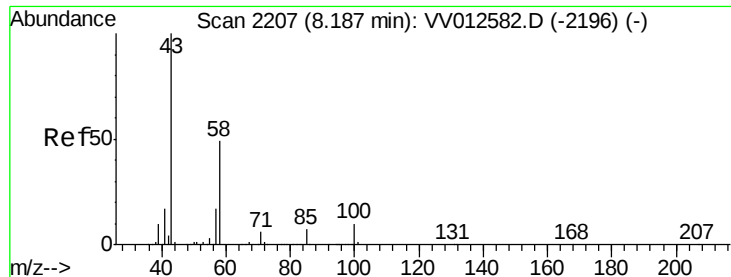
Tgt Ion:	97	Resp:	117400
Ion	Ratio	Lower	Upper
97	100		
99	61.5	44.3	82.3
83	86.0	62.6	116.3
85	56.0	40.7	75.5



#47
 Tetrachloroethene
 Concen: 9.606 ug/L
 RT: 8.02 min Scan# 2154
 Delta R.T. 0.00 min
 Lab File: VV012583.D
 Acq: 05 Sep 2019 14:10

Tgt Ion:	164	Resp:	139863
Ion	Ratio	Lower	Upper
164	100		
129	94.7	65.0	120.6
131	88.3	62.0	115.2
166	122.9	87.0	161.6

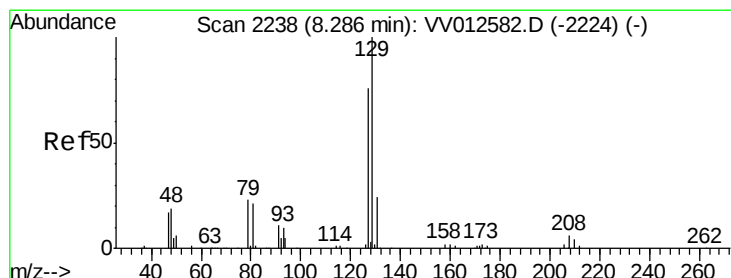
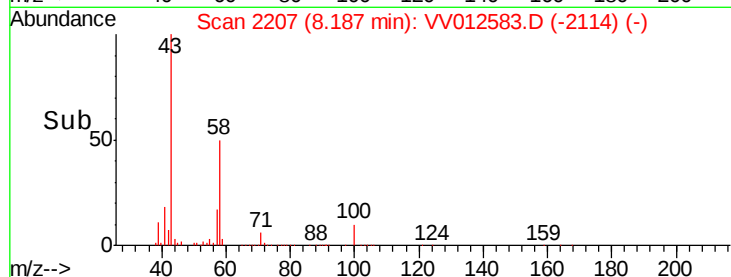
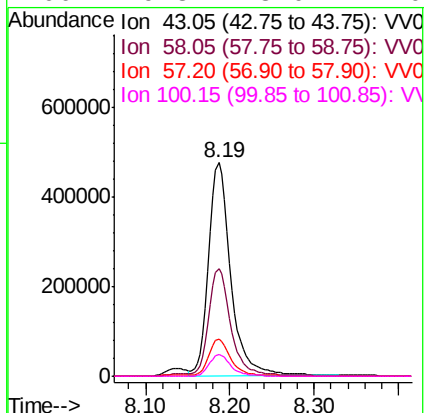
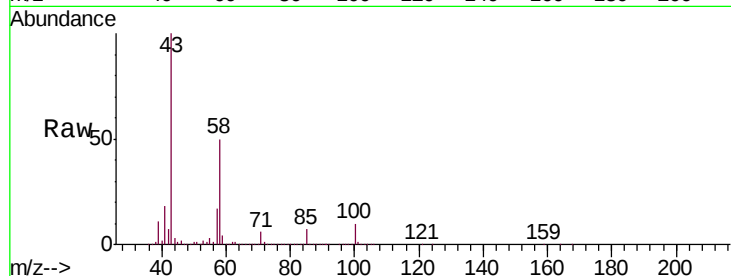




#48
2-Hexanone
Concen: 110.070 ug/L
RT: 8.19 min Scan# 2207
Delta R.T. 0.00 min
Lab File: VV012583.D
Acq: 05 Sep 2019 14:10

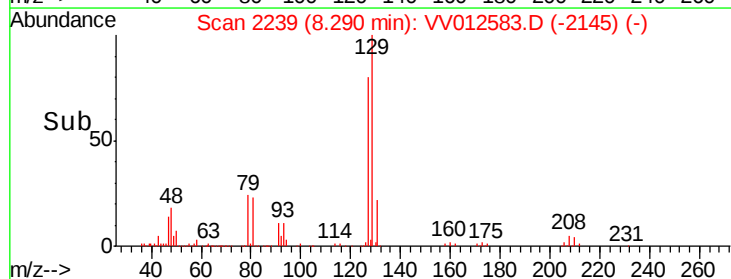
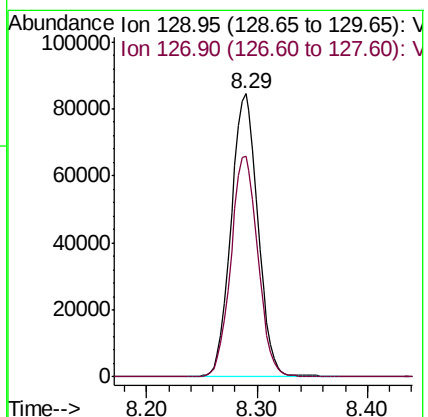
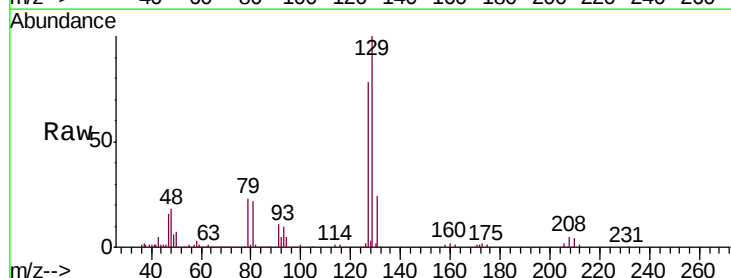
Instrument :
MSVOA_V
ClientSampleId :
VSTD01034

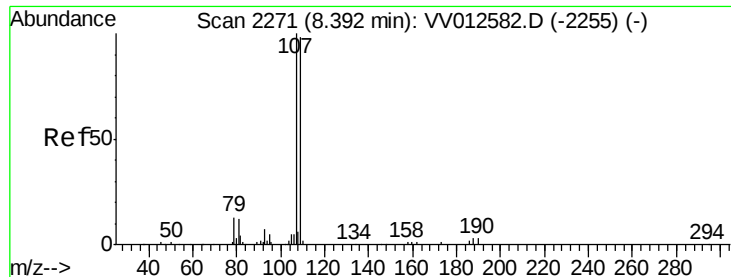
Tgt Ion:	43	Resp:	872250
Ion	Ratio	Lower	Upper
43	100		
58	50.1	39.3	58.9
57	16.9	12.9	19.3
100	9.8	8.0	12.0



#49
Dibromochloromethane
Concen: 9.911 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VV012583.D
Acq: 05 Sep 2019 14:10

Tgt Ion:	129	Resp:	142959
Ion	Ratio	Lower	Upper
129	100		
127	77.8	53.0	98.4

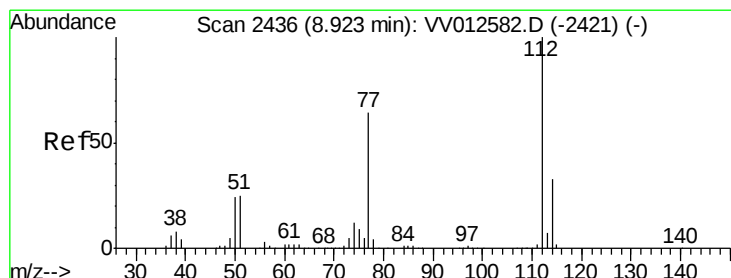
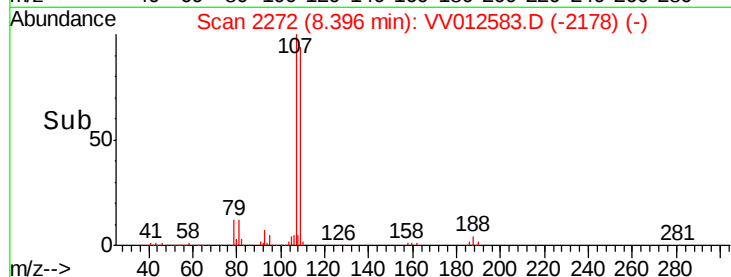
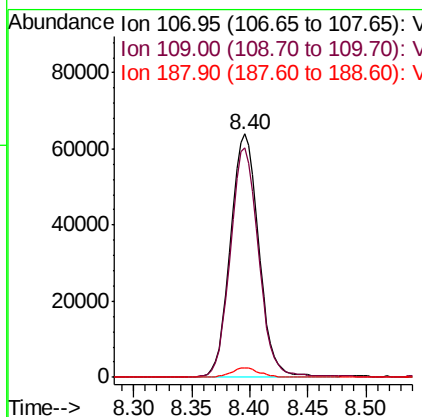
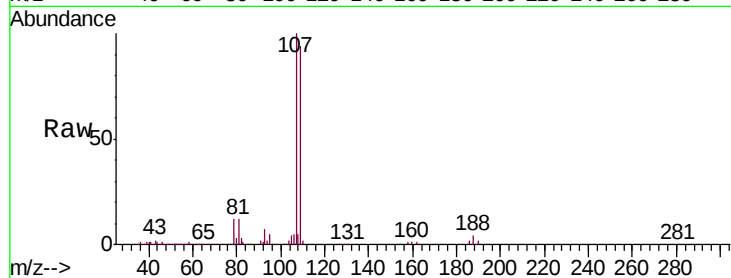




#50
1,2-Dibromoethane
Concen: 9.846 ug/L
RT: 8.40 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VV012583.D
Acq: 05 Sep 2019 14:10

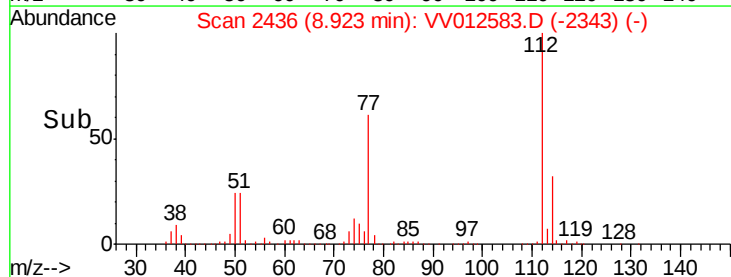
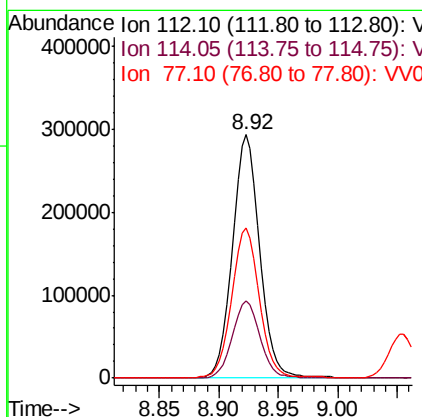
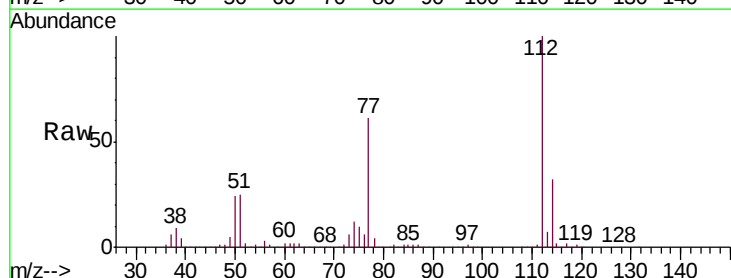
Instrument :
MSVOA_V
ClientSampleId :
VSTD01034

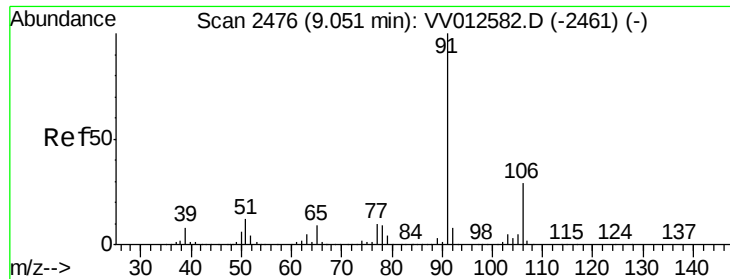
Tgt Ion:107 Resp: 107886
Ion Ratio Lower Upper
107 100
109 94.4 68.5 127.3
188 4.0 2.6 3.8#



#51
Chlorobenzene
Concen: 9.400 ug/L
RT: 8.92 min Scan# 2436
Delta R.T. 0.00 min
Lab File: VV012583.D
Acq: 05 Sep 2019 14:10

Tgt Ion:112 Resp: 466128
Ion Ratio Lower Upper
112 100
114 31.7 22.7 42.3
77 61.5 51.7 77.5





#52

Ethylbenzene

Concen: 10.023 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. 0.00 min

Lab File: VV012583.D

Acq: 05 Sep 2019 14:10

Instrument :

MSVOA_V

ClientSampleId :

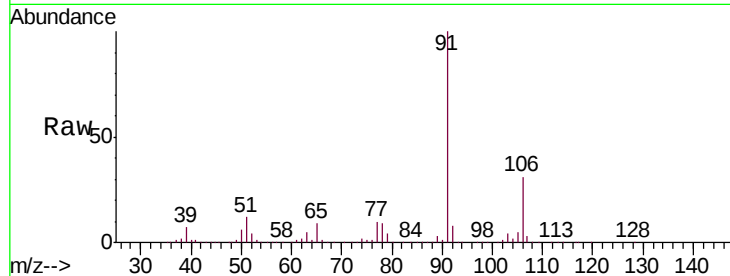
VSTD01034

Tgt Ion: 91 Resp: 859544

Ion Ratio Lower Upper

91 100

106 30.6 20.6 38.2



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 106.15 (105.85 to 106.85): V

9.05

600000

500000

400000

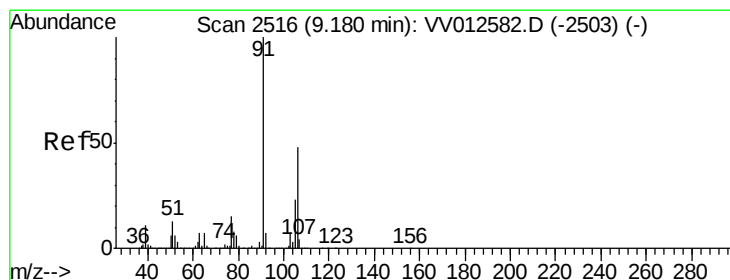
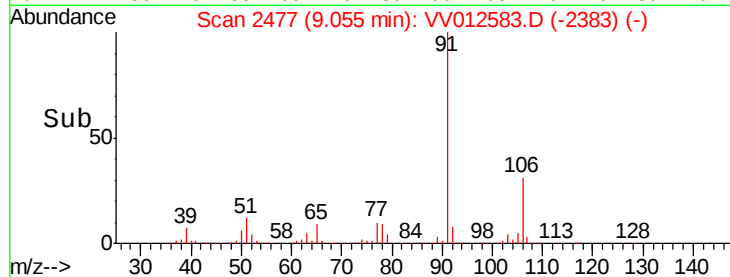
300000

200000

100000

0

Time-->



#53

m,p-xylene

Concen: 10.371 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. 0.00 min

Lab File: VV012583.D

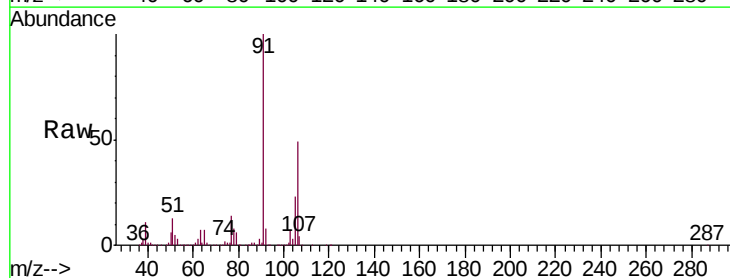
Acq: 05 Sep 2019 14:10

Tgt Ion: 106 Resp: 323923

Ion Ratio Lower Upper

106 100

91 205.1 145.0 269.2



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0

9.18

400000

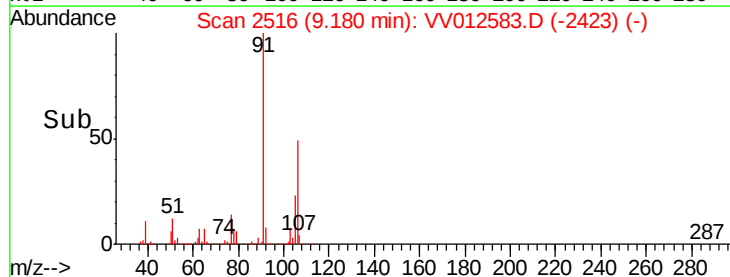
300000

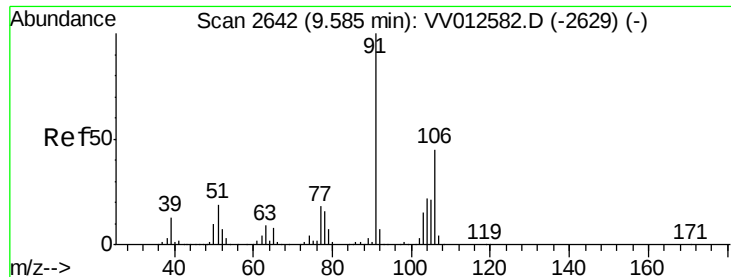
200000

100000

0

Time-->





#54

o-xylene

Concen: 10.431 ug/L

RT: 9.59 min Scan# 2642

Delta R.T. 0.00 min

Lab File: VV012583.D

Acq: 05 Sep 2019 14:10

Instrument :

MSVOA_V

ClientSampleId :

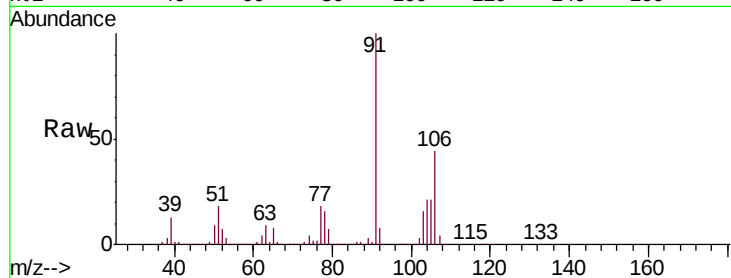
VSTD01034

Tgt Ion:106 Resp: 306525

Ion Ratio Lower Upper

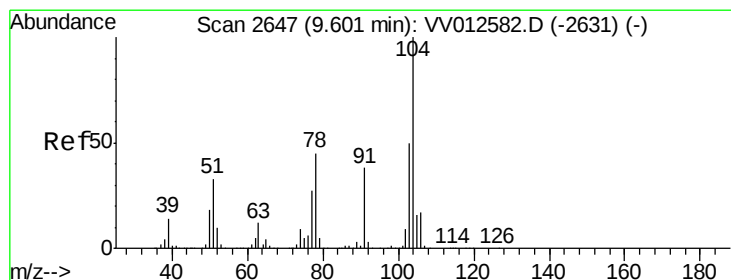
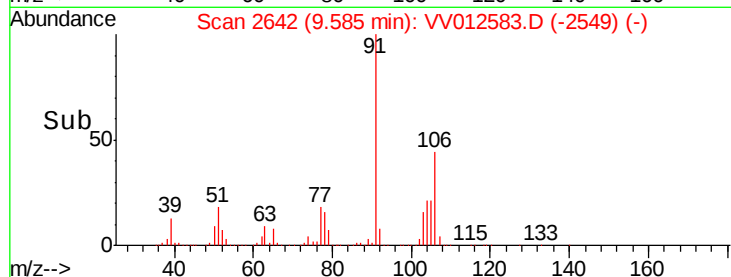
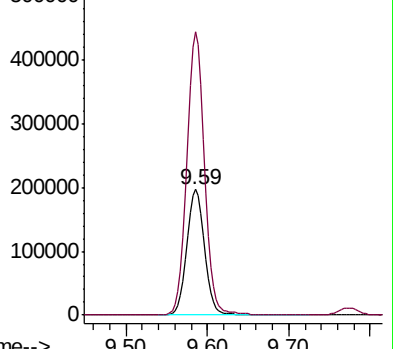
106 100

91 225.4 157.0 291.6



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 10.523 ug/L

RT: 9.60 min Scan# 2647

Delta R.T. 0.00 min

Lab File: VV012583.D

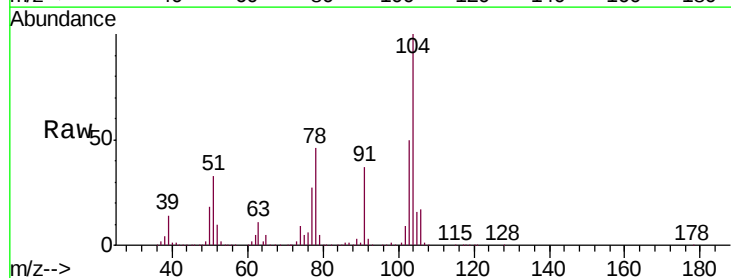
Acq: 05 Sep 2019 14:10

Tgt Ion:104 Resp: 527419

Ion Ratio Lower Upper

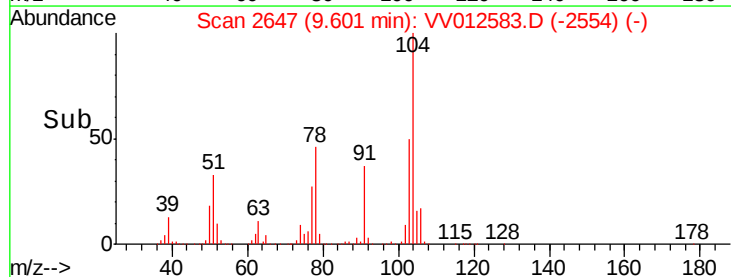
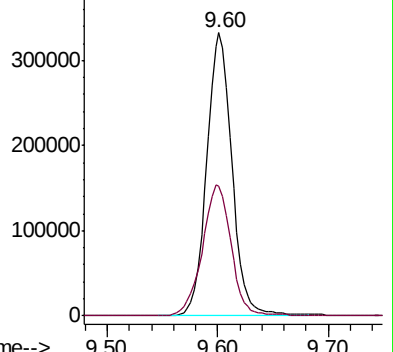
104 100

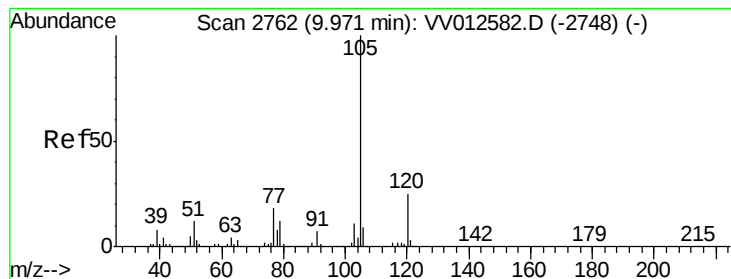
78 46.0 31.8 59.0



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 10.231 ug/L

RT: 9.97 min Scan# 2762

Delta R.T. 0.00 min

Lab File: VV012583.D

Acq: 05 Sep 2019 14:10

Instrument :

MSVOA_V

ClientSampleId :

VSTD01034

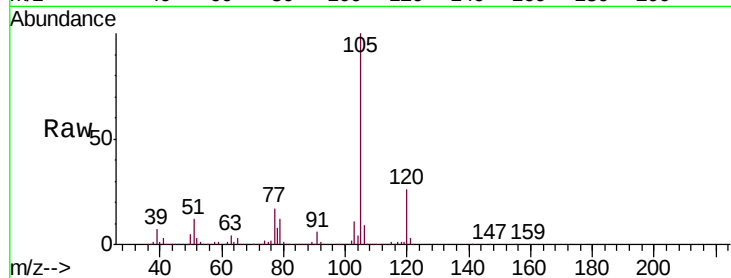
Tgt Ion: 105 Resp: 828652

Ion Ratio Lower Upper

105 100

120 25.8 20.6 30.8

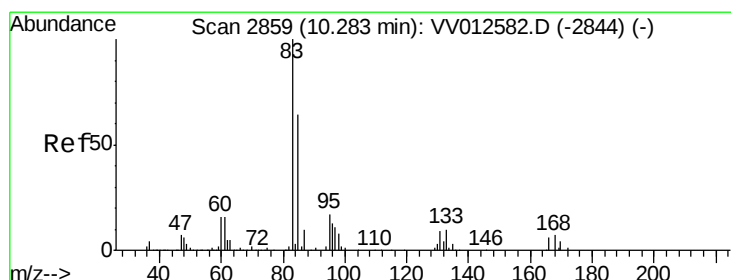
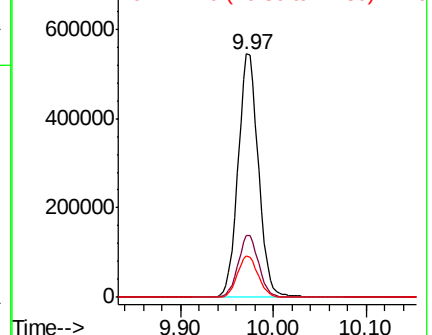
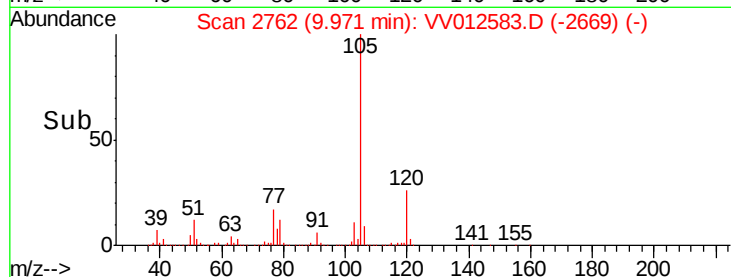
77 17.2 14.2 21.2



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: 9.781 ug/L

RT: 10.28 min Scan# 2859

Delta R.T. 0.00 min

Lab File: VV012583.D

Acq: 05 Sep 2019 14:10

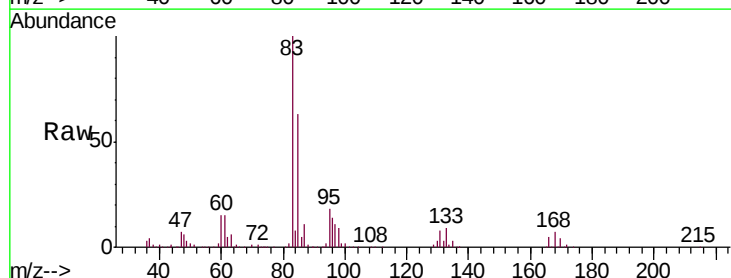
Tgt Ion: 83 Resp: 132943

Ion Ratio Lower Upper

83 100

85 62.8 44.7 82.9

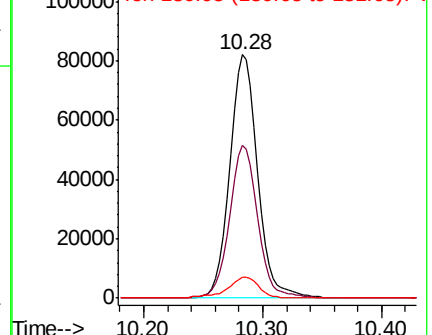
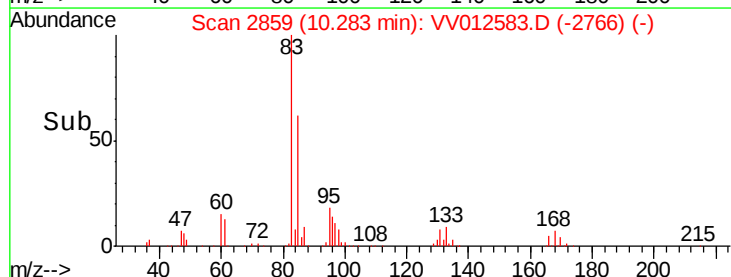
131 8.4 7.4 11.2

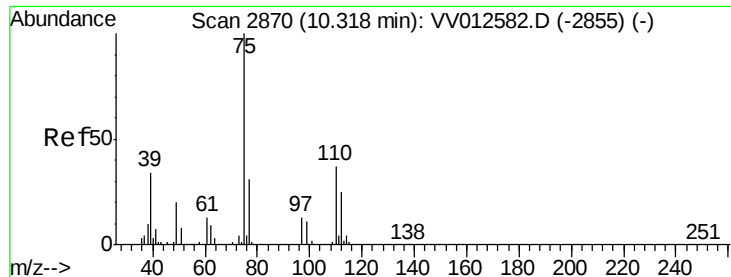


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 9.645 ug/L

RT: 10.32 min Scan# 2870

Delta R.T. 0.00 min

Lab File: VV012583.D

Acq: 05 Sep 2019 14:10

Instrument :

MSVOA_V

ClientSampleId :

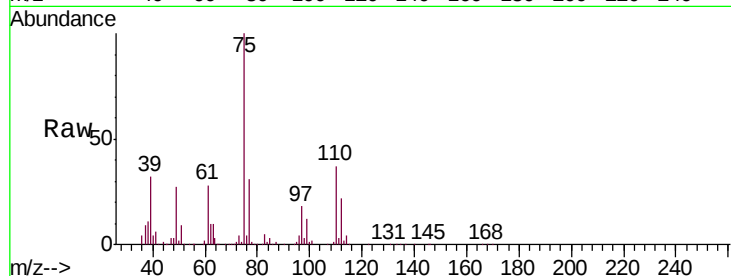
VSTD01034

Tgt Ion: 75 Resp: 105349

Ion Ratio Lower Upper

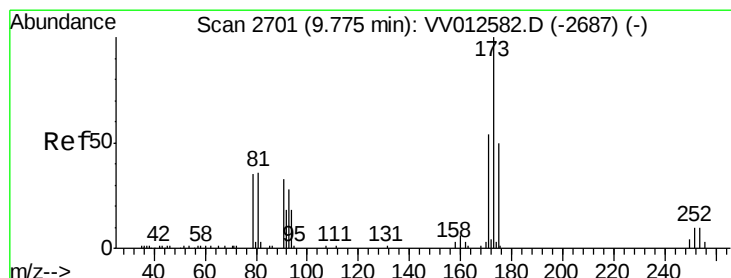
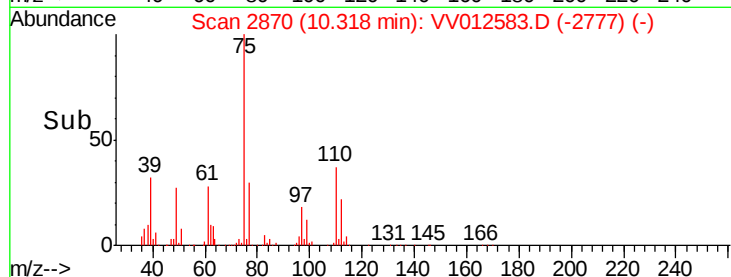
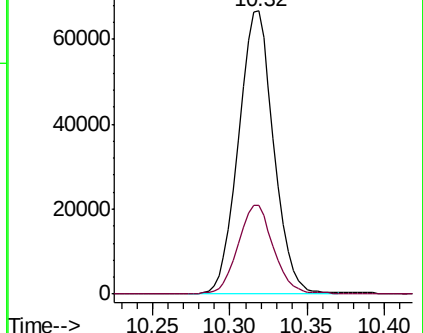
75 100

77 31.8 25.8 38.8



Abundance Ion 75.00 (74.70 to 75.70): VV012582.D (-2855) (-)

Ion 77.00 (76.70 to 77.70): VV012583.D (-2777) (-)



#61

Bromoform

Concen: 9.644 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. 0.00 min

Lab File: VV012583.D

Acq: 05 Sep 2019 14:10

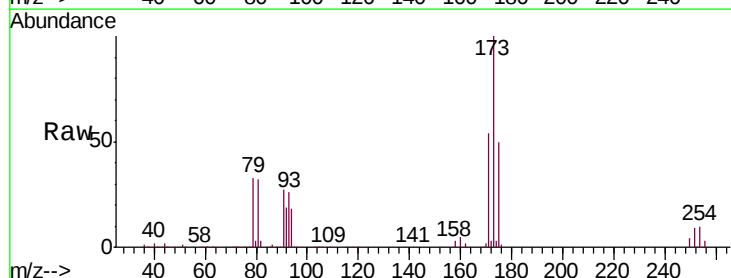
Tgt Ion: 173 Resp: 68482

Ion Ratio Lower Upper

173 100

175 49.3 39.6 59.4

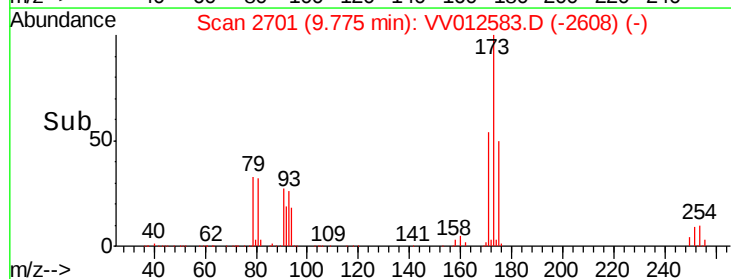
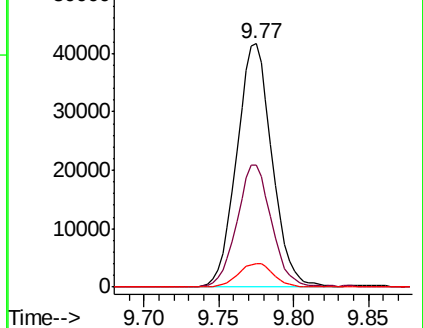
254 9.8 7.1 10.7

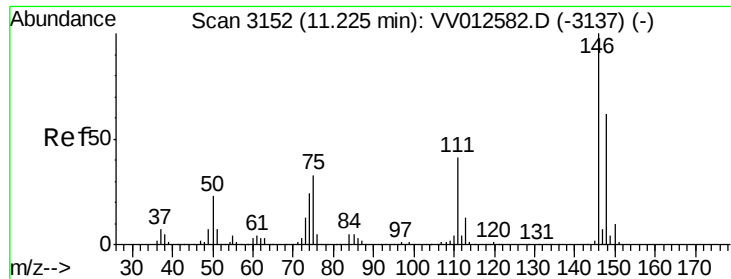


Abundance Ion 172.90 (172.60 to 173.60): VV012582.D (-2687) (-)

Ion 174.90 (174.60 to 175.60): VV012583.D (-2608) (-)

Ion 253.75 (253.45 to 254.45): VV012583.D (-2608) (-)





#62

1,3-Dichlorobenzene

Concen: 9.618 ug/L

RT: 11.22 min Scan# 3151

Delta R.T. -0.00 min

Lab File: VV012583.D

Acq: 05 Sep 2019 14:10

Instrument :

MSVOA_V

ClientSampleId :

VSTD01034

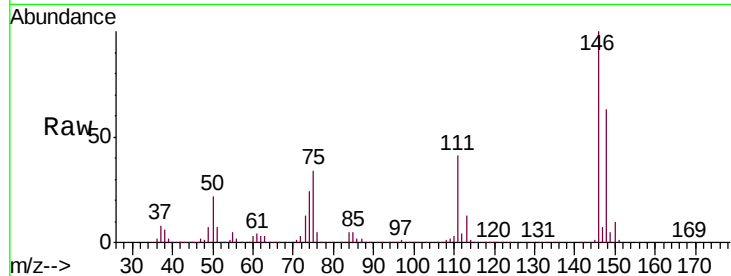
Tgt Ion:146 Resp: 360608

Ion Ratio Lower Upper

146 100

111 40.7 28.4 52.8

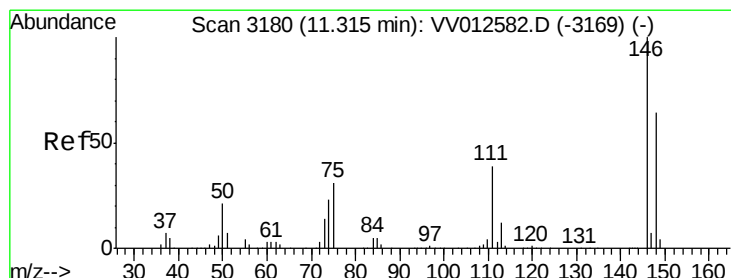
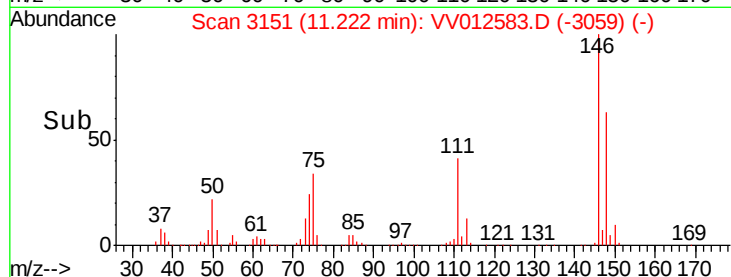
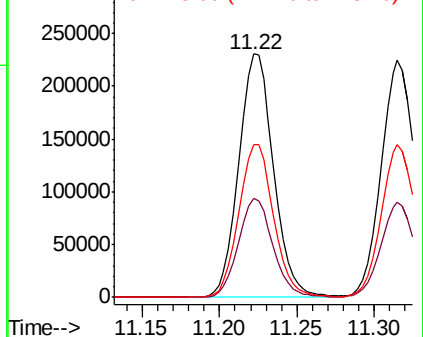
148 62.7 43.5 80.7



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: 9.221 ug/L

RT: 11.32 min Scan# 3180

Delta R.T. 0.00 min

Lab File: VV012583.D

Acq: 05 Sep 2019 14:10

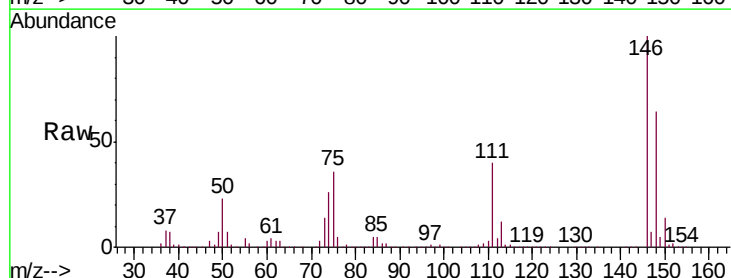
Tgt Ion:146 Resp: 353414

Ion Ratio Lower Upper

146 100

111 40.0 27.5 51.1

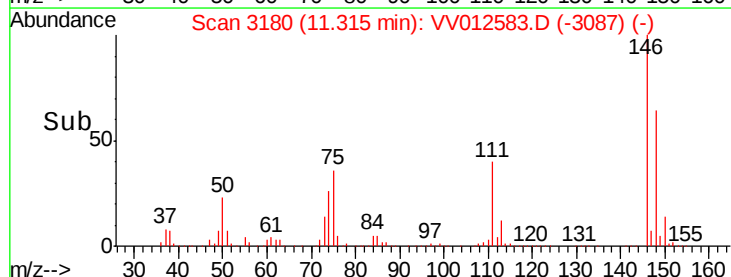
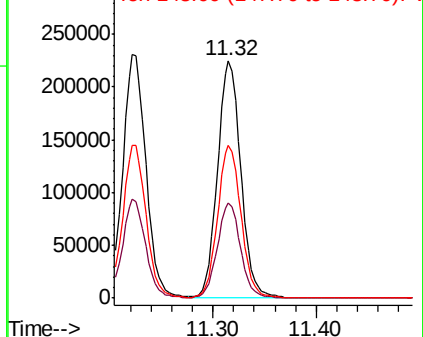
148 64.4 44.8 83.2

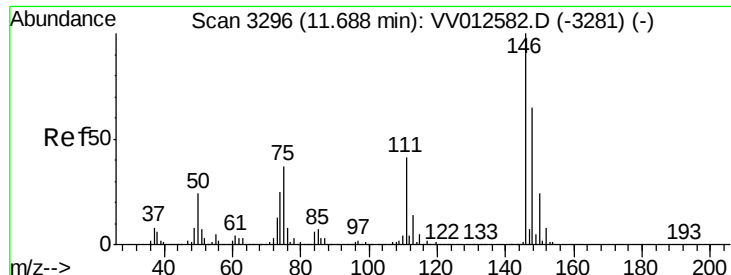


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

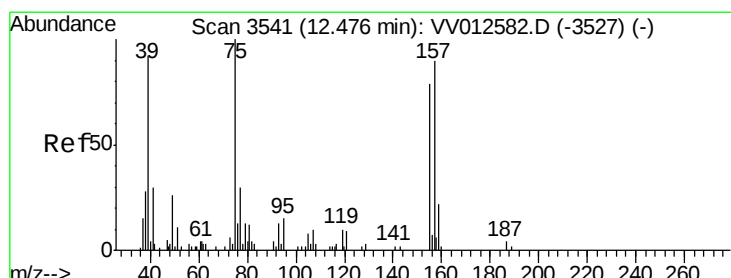
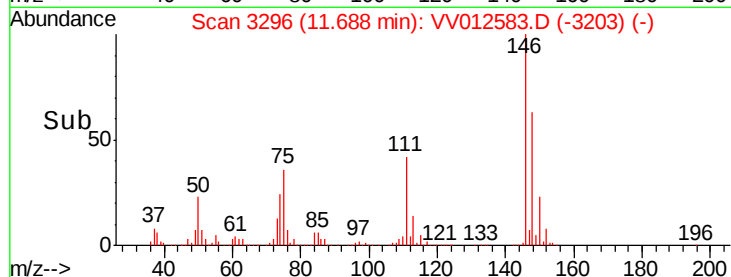
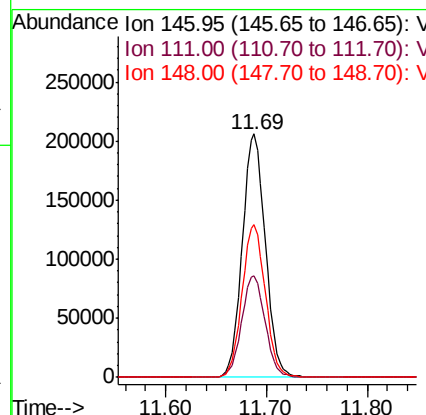
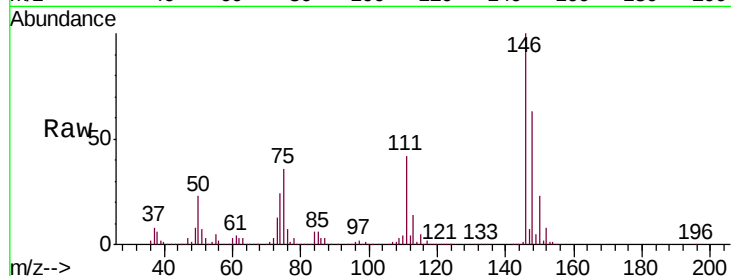




#65
 1,2-Dichlorobenzene
 Concen: 9.474 ug/L
 RT: 11.69 min Scan# 3296
 Delta R.T. 0.00 min
 Lab File: VV012583.D
 Acq: 05 Sep 2019 14:10

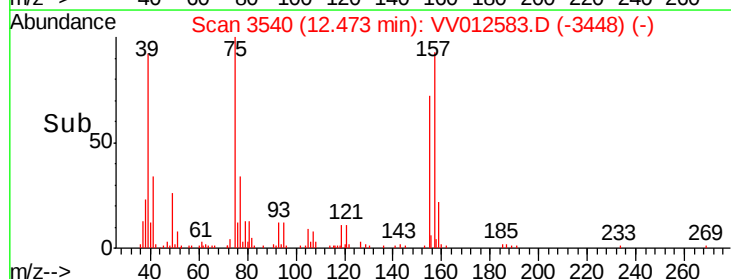
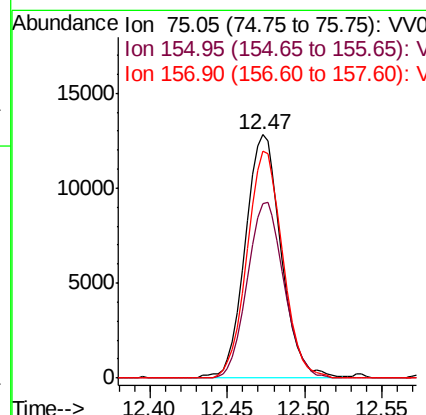
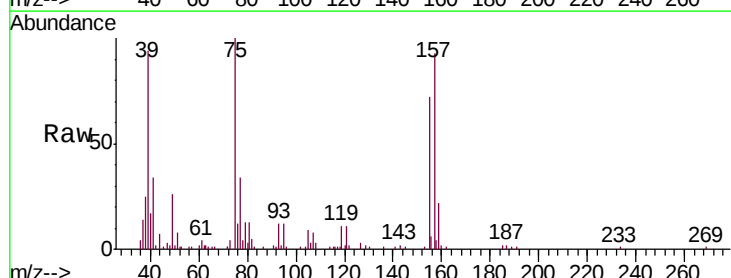
Instrument :
 MSVOA_V
 ClientSampled :
 VSTD01034

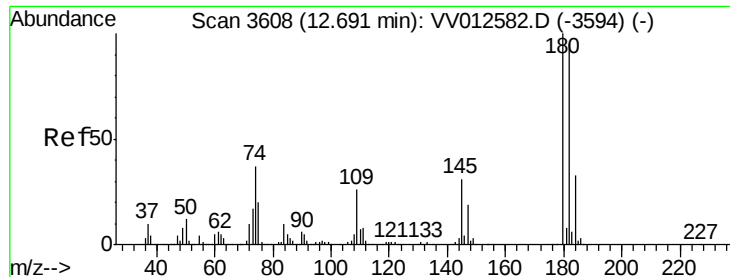
Tgt Ion: 146 Resp: 326144
 Ion Ratio Lower Upper
 146 100
 111 41.9 33.1 49.7
 148 63.0 52.2 78.4



#66
 1,2-Dibromo-3-chloropropane
 Concen: 8.964 ug/L
 RT: 12.47 min Scan# 3540
 Delta R.T. -0.00 min
 Lab File: VV012583.D
 Acq: 05 Sep 2019 14:10

Tgt Ion: 75 Resp: 20720
 Ion Ratio Lower Upper
 75 100
 155 71.8 63.0 94.6
 157 93.1 72.2 108.4

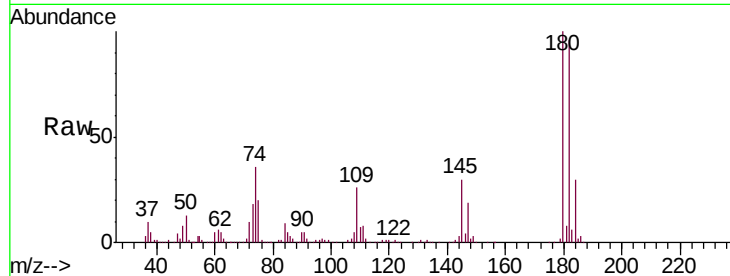




#67
 1,3,5-Trichlorobenzene
 Concen: 9.066 ug/L
 RT: 12.69 min Scan# 3608
 Delta R.T. 0.00 min
 Lab File: VV012583.D
 Acq: 05 Sep 2019 14:10

Instrument :
 MSVOA_V
 ClientSampleID :
 VSTD01034

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.1	76.0	114.0
184	30.4	25.3	37.9
145	29.8	24.7	37.1



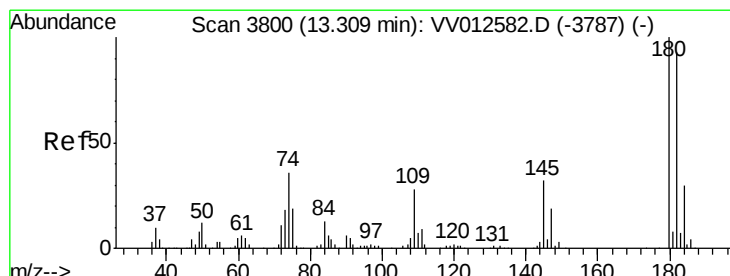
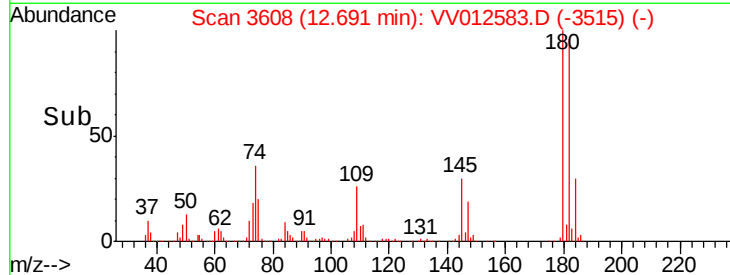
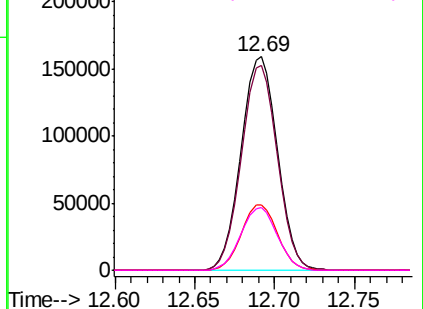
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

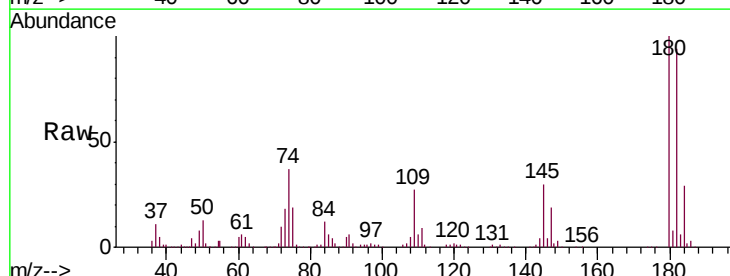
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 9.802 ug/L
 RT: 13.31 min Scan# 3800
 Delta R.T. 0.00 min
 Lab File: VV012583.D
 Acq: 05 Sep 2019 14:10

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.9	74.7	112.1
145	31.0	24.9	37.3

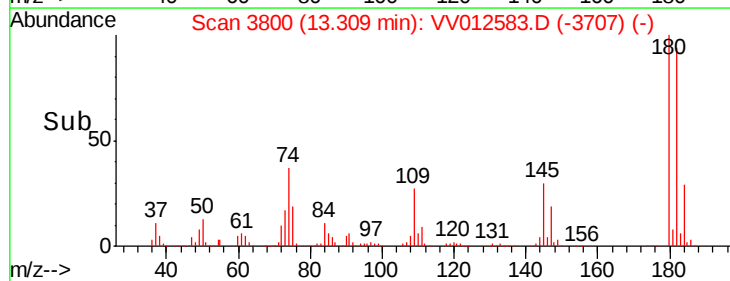
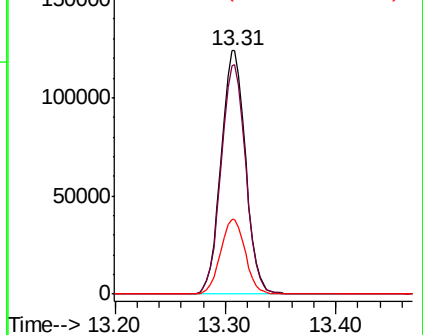


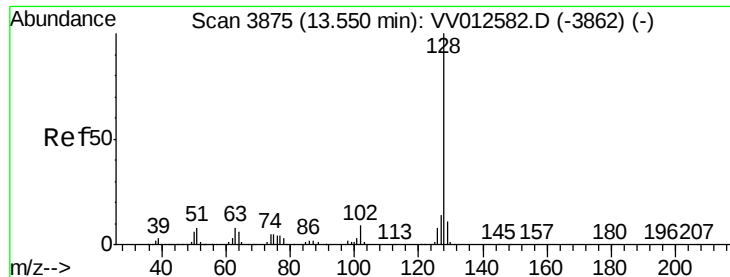
Abundance

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: 11.042 ug/L

RT: 13.55 min Scan# 3875

Delta R.T. 0.00 min

Lab File: VV012583.D

Acq: 05 Sep 2019 14:10

Instrument :

MSVOA_V

ClientSampleId :

VSTD01034

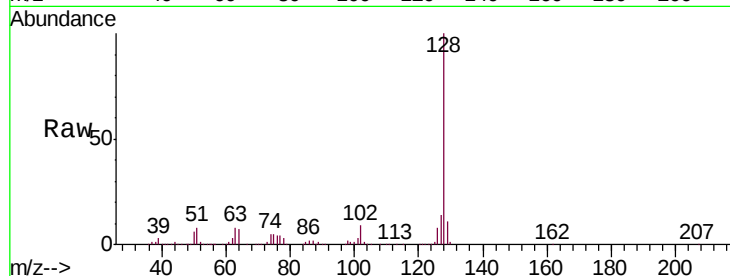
Tgt Ion:128 Resp: 316504

Ion Ratio Lower Upper

128 100

129 11.1 8.6 12.8

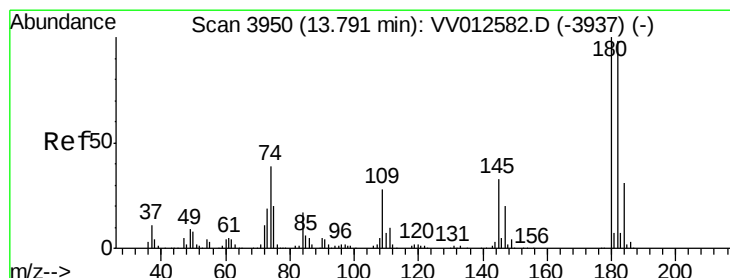
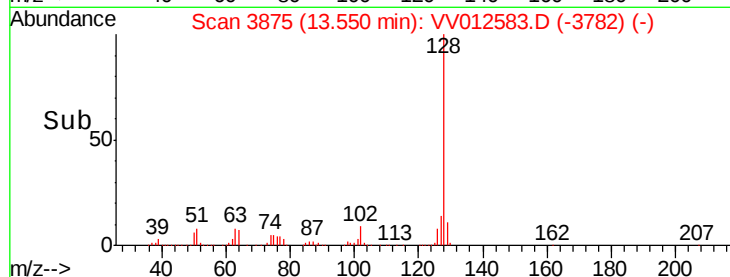
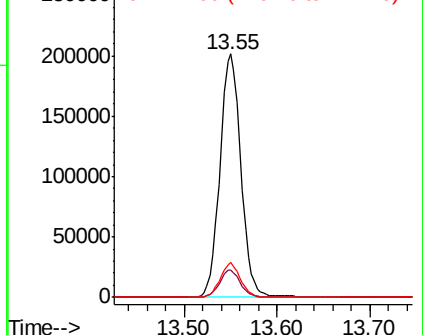
127 13.7 11.1 16.7



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: 10.439 ug/L

RT: 13.79 min Scan# 3950

Delta R.T. 0.00 min

Lab File: VV012583.D

Acq: 05 Sep 2019 14:10

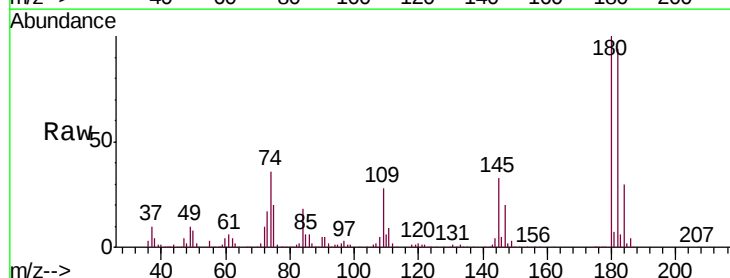
Tgt Ion:180 Resp: 186203

Ion Ratio Lower Upper

180 100

182 93.5 77.8 116.6

145 32.4 26.8 40.2



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

