

Data File : VV012160.D
Acq On : 09 Aug 2019 18:44
Operator : SY/MD
Sample : VSTD20068
Misc : 5mL/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD20062

Quant Time: Aug 10 04:52:21 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM081019WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Aug 10 04:48:14 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	304979	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	292177	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	164507	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	230644	85.29	ug/L	0.00
7) Chloroethane-d5	1.56	69	142498	49.44	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	419663	53.79	ug/L	0.00
21) 2-Butanone-d5	3.92	46	239789	195.93	ug/L	0.00
24) Chloroform-d	4.40	84	450789	114.99	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	259262	100.18	ug/L	0.00
32) Benzene-d6	5.10	84	884516	121.58	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	240226	109.10	ug/L	0.00
41) Toluene-d8	7.36	98	844824	118.73	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.66	79	134299	130.10	ug/L	0.00
47) 2-Hexanone-d5	8.13	63	205129	228.52	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.26	84	335855	94.66	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.67	152	369916	106.61	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.14	85	524059	195.010	ug/L	100
3) Chloromethane	1.25	50	383342	142.481	ug/L	99
5) Vinyl chloride	1.32	62	358866	101.422	ug/L	99
6) Bromomethane	1.51	94	200541	68.470	ug/L	97
8) Chloroethane	1.58	64	180004	66.566	ug/L	100
9) Trichlorofluoromethane	1.76	101	589444	78.997	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	263793	65.029	ug/L	98
12) 1,1-Dichloroethene	2.13	96	250736	69.631	ug/L	99
13) Acetone	2.18	43	287104	183.322	ug/L	96
14) Carbon disulfide	2.31	76	924422	171.861	ug/L	99
15) Methyl Acetate	2.45	43	349547	167.882	ug/L	99
16) Methylene chloride	2.53	84	391891	171.065	ug/L	99
17) trans-1,2-Dichloroethene	2.79	96	375980	175.914	ug/L	99
18) Methyl tert-butyl Ether	2.80	73	1228367	189.467	ug/L	100
19) 1,1-Dichloroethane	3.23	63	648353	168.138	ug/L	98
20) cis-1,2-Dichloroethene	3.96	96	432640	181.399	ug/L	96
22) 2-Butanone	4.00	43	515644	328.767	ug/L	96
23) Bromochloromethane	4.29	128	237965	195.718	ug/L	98
25) Chloroform	4.42	83	730912	173.342	ug/L	100
27) 1,2-Dichloroethane	5.18	62	570353	166.221	ug/L	100
29) Cyclohexane	4.72	56	566632	178.830	ug/L	99
30) 1,1,1-Trichloroethane	4.66	97	695318	209.118	ug/L	99
31) Carbon tetrachloride	4.87	117	653331	223.504	ug/L	99
33) Benzene	5.14	78	1503193	177.045	ug/L	100
34) Trichloroethene	5.96	95	413450	192.656	ug/L	98
35) Methylcyclohexane	6.17	83	649348	183.932	ug/L	99
37) 1,2-Dichloropropane	6.22	63	360468	166.597	ug/L	99
38) Bromodichloromethane	6.55	83	572260	203.345	ug/L	99
39) cis-1,3-Dichloropropene	7.07	75	664311	209.216	ug/L	98
40) 4-Methyl-2-pentanone	7.27	43	987308	339.497	ug/L	99

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Quant Title : VOC Analysis
QLast Update : Sat Aug 10 04:48:14 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.43	91	1686374	174.772	ug/L	99
44) trans-1,3-Dichloropropene	7.69	75	612018	206.373	ug/L	99
45) 1,1,2-Trichloroethane	7.88	97	402389	186.887	ug/L	99
46) Tetrachloroethene	8.02	164	393564	217.603	ug/L	98
48) 2-Hexanone	8.18	43	761714	350.468	ug/L	100
49) Dibromochloromethane	8.29	129	527679	223.683	ug/L	99
50) 1,2-Dibromoethane	8.40	107	450360	196.002	ug/L	99
51) Chlorobenzene	8.92	112	1151662	178.621	ug/L	98
52) Ethylbenzene	9.05	91	1939772	178.067	ug/L	100
53) m,p-Xylene	9.18	106	767311	180.391	ug/L	98
54) o-xylene	9.59	106	755984	174.945	ug/L	100
55) Styrene	9.60	104	1284581	178.973	ug/L	100
56) Isopropylbenzene	9.97	105	2011597	181.303	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.28	83	642078	168.371	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	498808	171.177	ug/L	99
61) Bromoform	9.77	173	432459	220.701	ug/L	98
62) 1,3-Dichlorobenzene	11.22	146	1026227	180.988	ug/L	100
63) 1,4-Dichlorobenzene	11.31	146	1024715	174.548	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	1054400	177.380	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.47	75	168622	215.077	ug/L	97
67) 1,3,5-Trichlorobenzene	12.69	180	856222	217.986	ug/L	98
68) 1,2,4-trichlorobenzene	13.31	180	759848	238.649	ug/L	98
69) Naphthalene	13.55	128	2213134	260.803	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	764643	237.134	ug/L	99

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

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Misc : 5mL/MSV0A V/WATER

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ALS Vial      : 6      Sample Multiplier: 1
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Instrument :
MSVOA_V
ClientSampleId :
VSTD20062

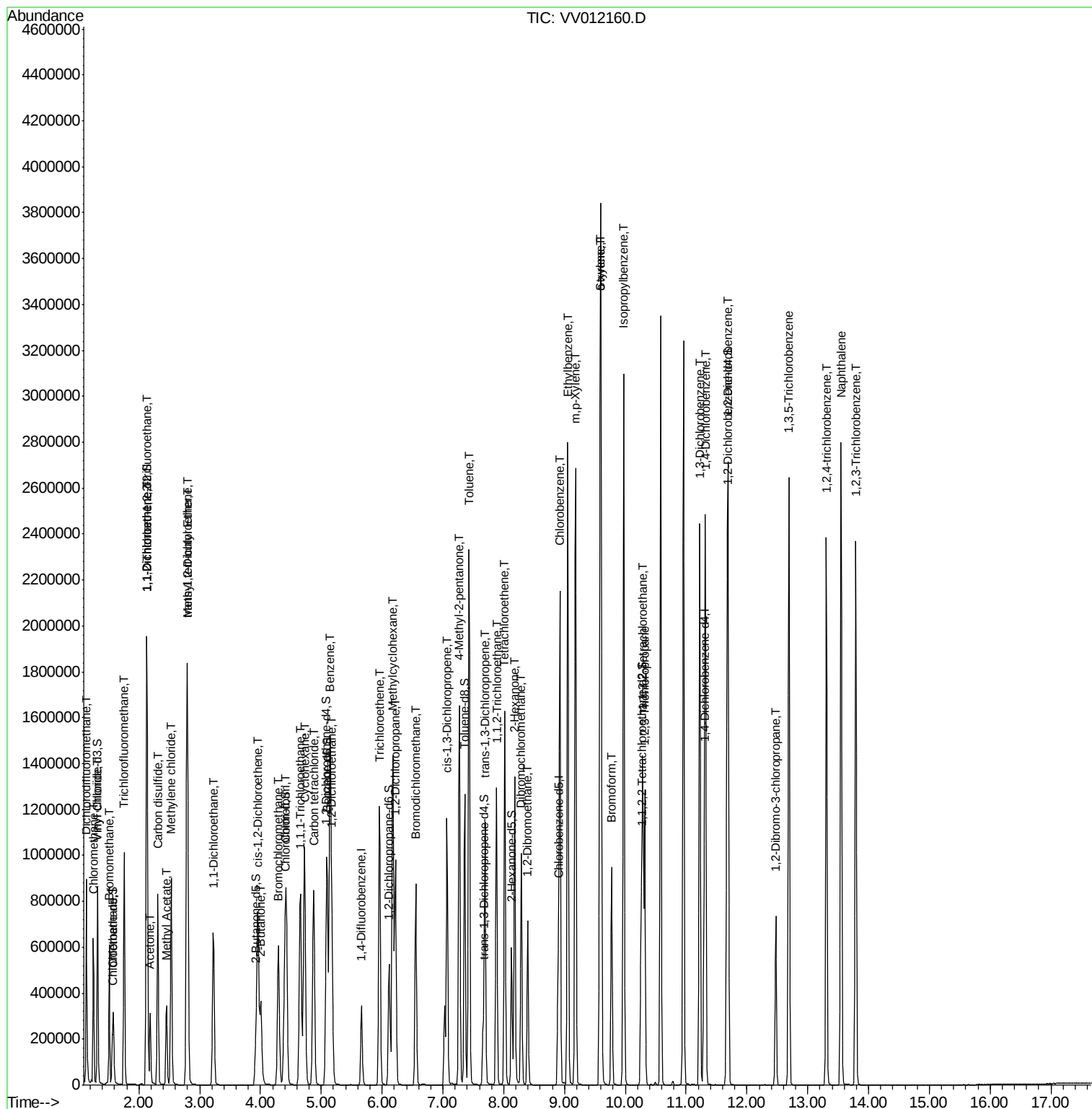
Quant Time: Aug 10 04:52:21 2019

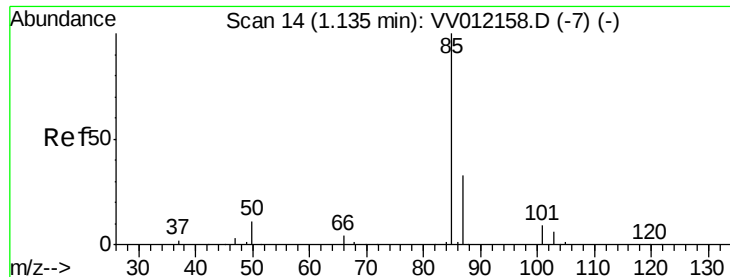
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_V\METHOD\SOMVLM081019WMA.M

Quant Title : VOC Analysis

QLast Update : Sat Aug 10 04:48:14 2019

Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 195.010 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV012160.D

Acq: 09 Aug 2019 18:44

Instrument :

MSVOA_V

ClientSampleId :

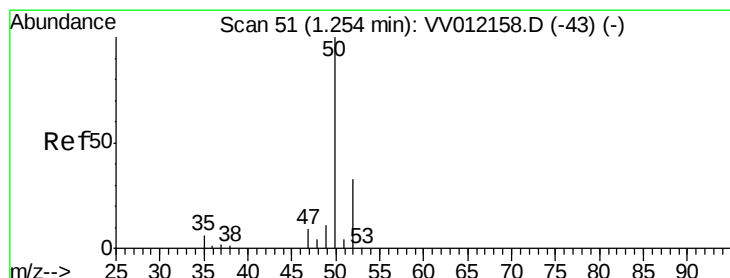
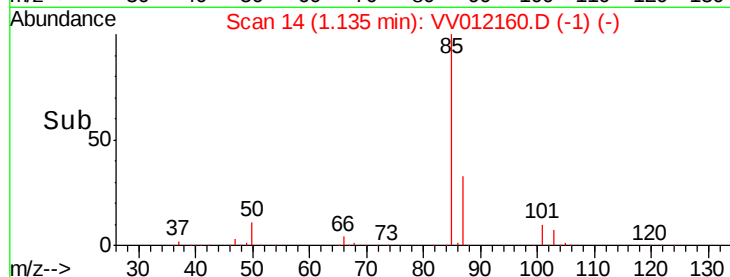
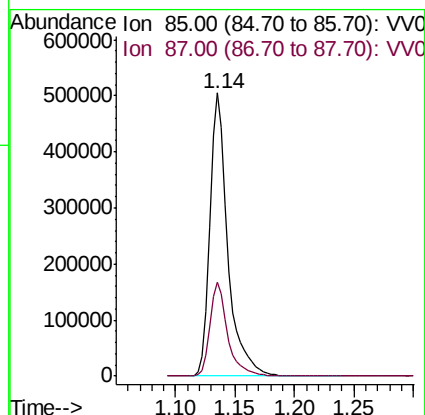
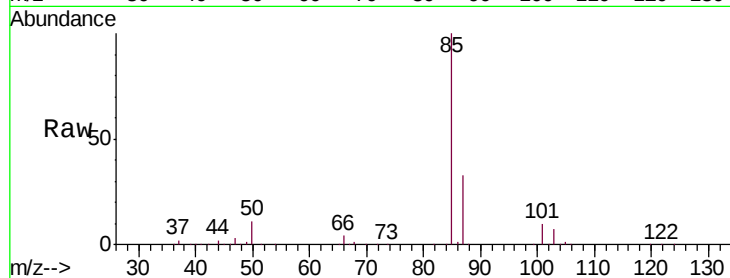
VSTD20062

Tgt Ion: 85 Resp: 524059

Ion Ratio Lower Upper

85 100

87 32.8 26.4 39.6



#3

Chloromethane

Concen: 142.481 ug/L

RT: 1.25 min Scan# 50

Delta R.T. -0.00 min

Lab File: VV012160.D

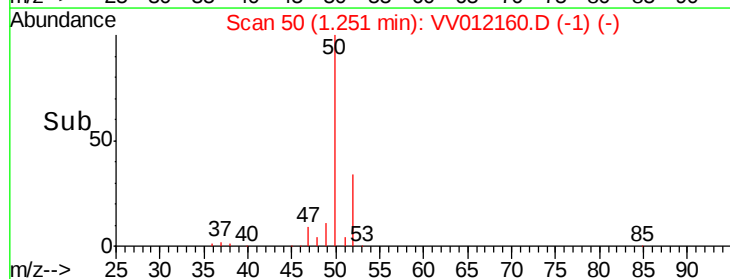
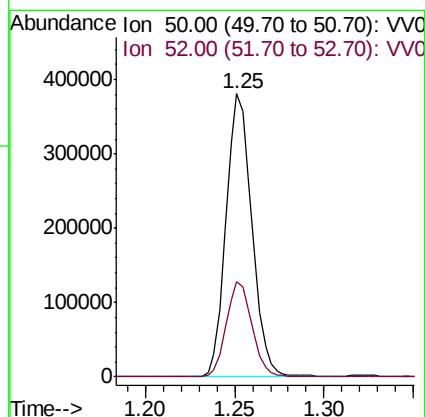
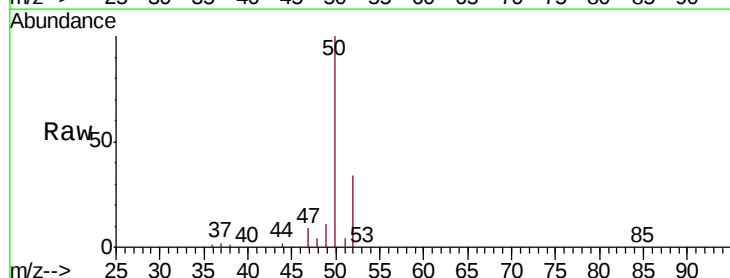
Acq: 09 Aug 2019 18:44

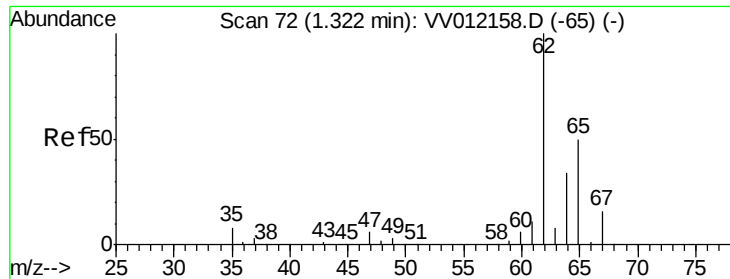
Tgt Ion: 50 Resp: 383342

Ion Ratio Lower Upper

50 100

52 33.6 23.0 42.8





#5

Vinyl chloride

Concen: 101.422 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV012160.D

Acq: 09 Aug 2019 18:44

Instrument :

MSVOA_V

ClientSampleId :

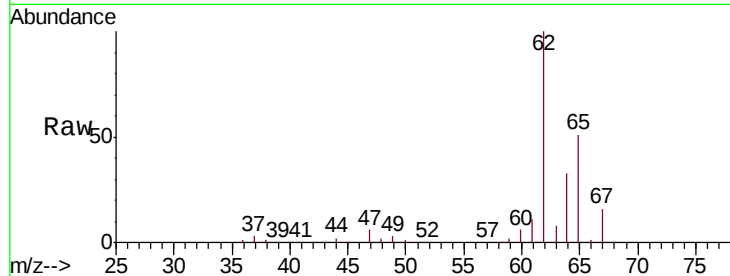
VSTD20062

Tgt Ion: 62 Resp: 358866

Ion Ratio Lower Upper

62 100

64 33.4 23.7 44.1



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0

1.32

400000

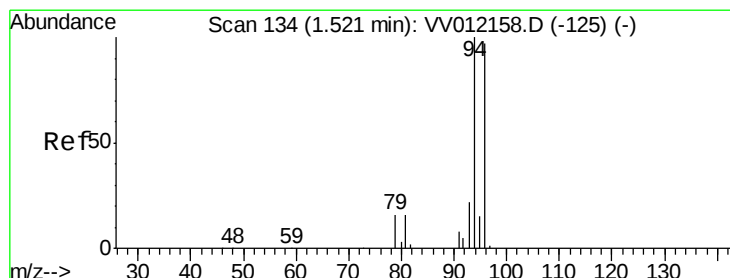
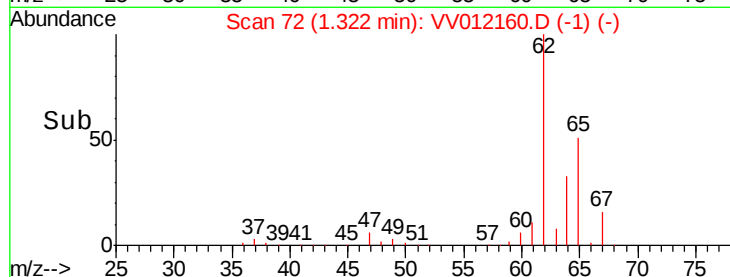
300000

200000

100000

0

Time-->



#6

Bromomethane

Concen: 68.470 ug/L

RT: 1.51 min Scan# 131

Delta R.T. -0.01 min

Lab File: VV012160.D

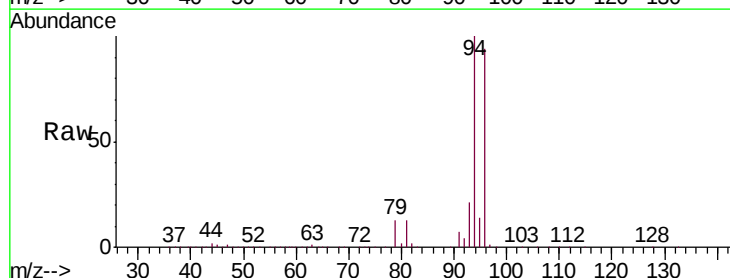
Acq: 09 Aug 2019 18:44

Tgt Ion: 94 Resp: 200541

Ion Ratio Lower Upper

94 100

96 94.2 67.9 126.1



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

1.51

250000

200000

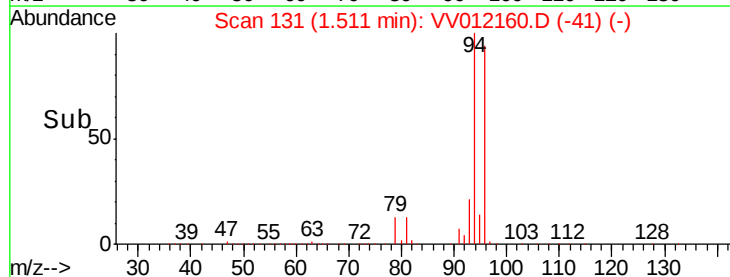
150000

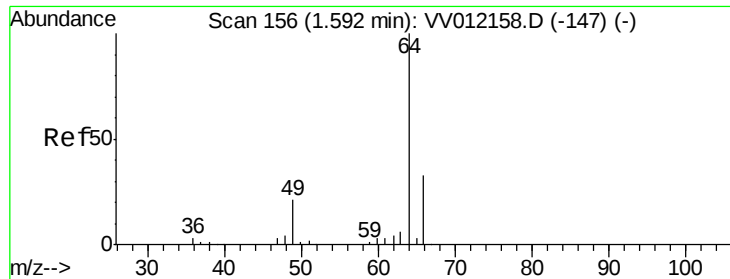
100000

50000

0

Time-->





#8

Chloroethane

Concen: 66.566 ug/L

RT: 1.58 min Scan# 153

Delta R.T. -0.01 min

Lab File: VV012160.D

Acq: 09 Aug 2019 18:44

Instrument :

MSVOA_V

ClientSampleId :

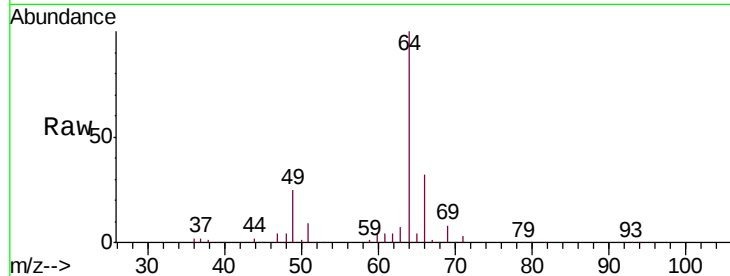
VSTD20062

Tgt Ion: 64 Resp: 180004

Ion Ratio Lower Upper

64 100

66 32.5 22.9 42.5



Abundance Ion 64.00 (63.70 to 64.70): VV012158.D (-147) (-)

Ion 66.00 (65.70 to 66.70): VV012158.D (-147) (-)

1.58

150000

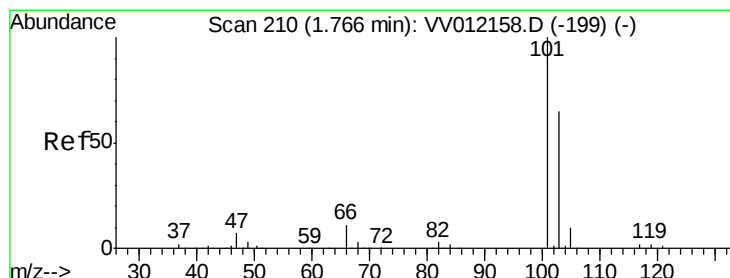
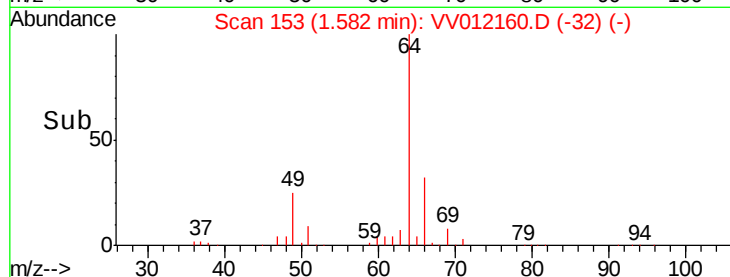
100000

50000

0

1.55 1.60 1.65

Time-->



#9

Trichlorofluoromethane

Concen: 78.997 ug/L

RT: 1.76 min Scan# 208

Delta R.T. -0.01 min

Lab File: VV012160.D

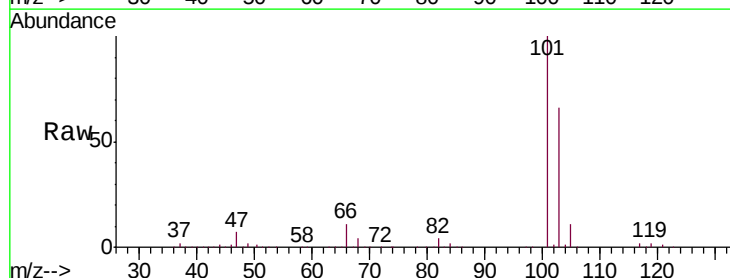
Acq: 09 Aug 2019 18:44

Tgt Ion: 101 Resp: 589444

Ion Ratio Lower Upper

101 100

103 65.1 51.8 77.6



Abundance Ion 101.00 (100.70 to 101.70): VV012158.D (-199) (-)

Ion 103.00 (102.70 to 103.70): VV012158.D (-199) (-)

1.76

500000

400000

300000

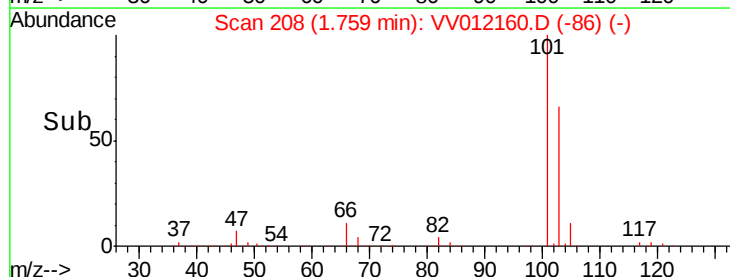
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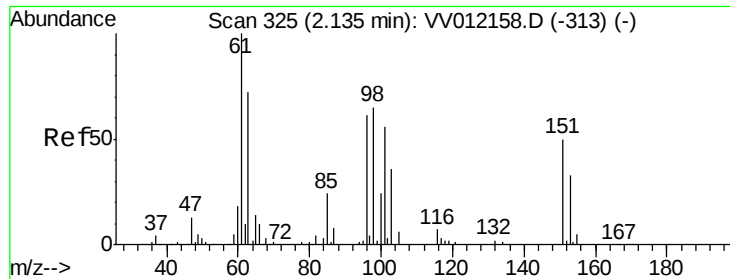
100000

0

1.70 1.75 1.80

Time-->





#10

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

Concen: 65.029 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV012160.D

Acq: 09 Aug 2019 18:44

Instrument :

MSVOA_V

ClientSampleId :

VSTD20062

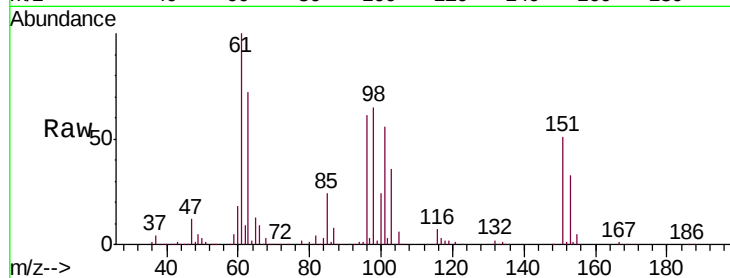
Tgt Ion: 101 Resp: 263793

Ion Ratio Lower Upper

101 100

85 42.7 33.6 50.4

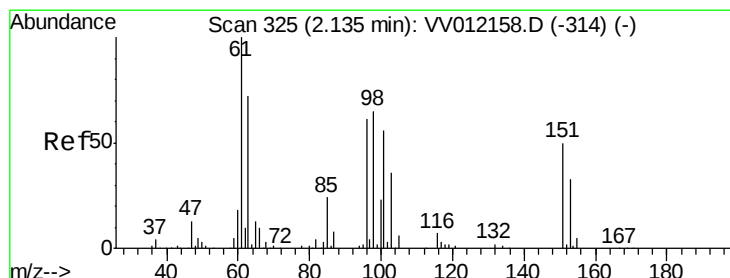
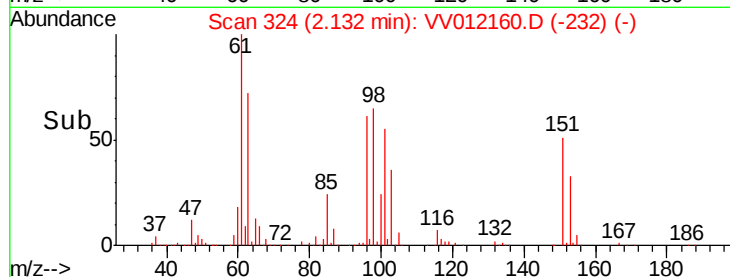
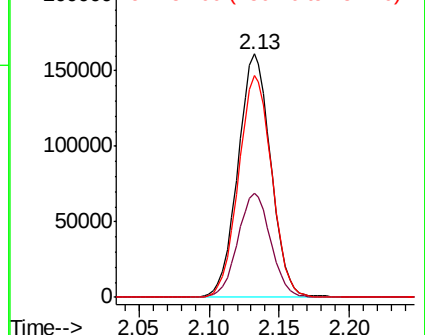
151 91.8 71.8 107.8



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: 69.631 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV012160.D

Acq: 09 Aug 2019 18:44

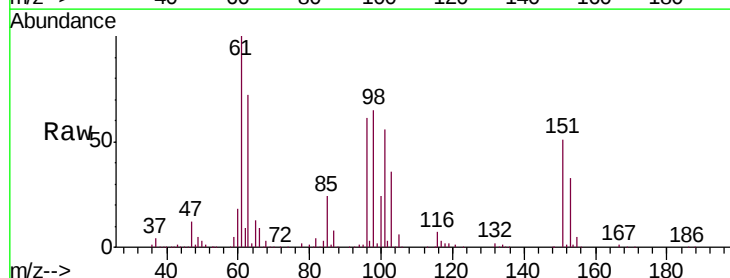
Tgt Ion: 96 Resp: 250736

Ion Ratio Lower Upper

96 100

61 163.5 115.1 213.8

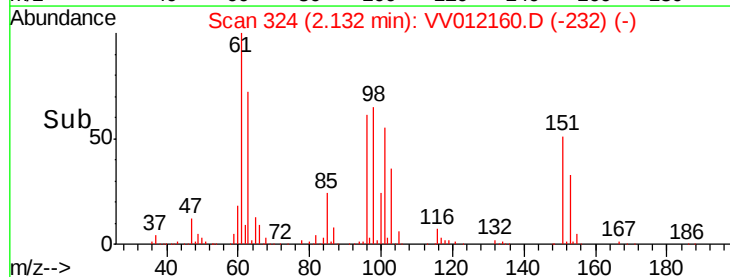
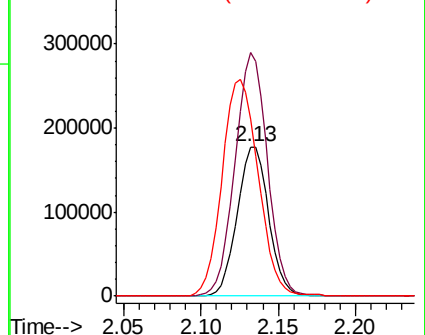
63 118.5 83.9 155.7

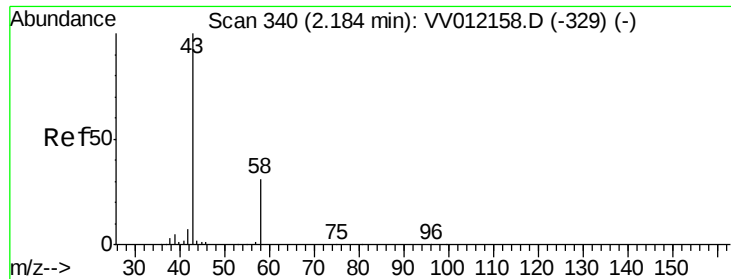


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 183.322 ug/L

RT: 2.18 min Scan# 340

Delta R.T. -0.00 min

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ClientSampleId :

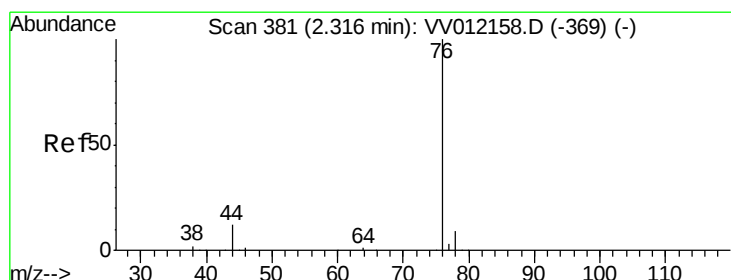
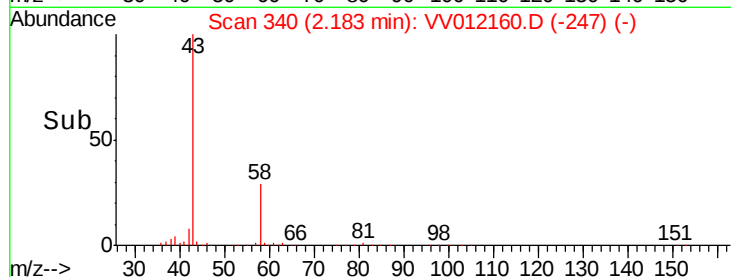
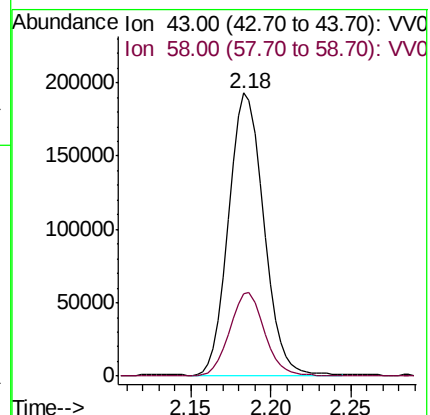
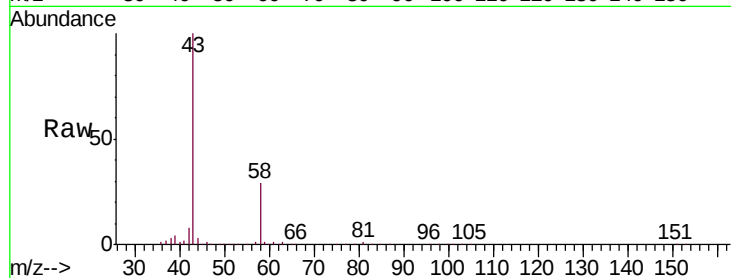
VSTD20062

Tgt Ion: 43 Resp: 287104

Ion Ratio Lower Upper

43 100

58 29.4 0.0 63.4



#14

Carbon disulfide

Concen: 171.861 ug/L

RT: 2.31 min Scan# 380

Delta R.T. -0.00 min

Lab File: VV012160.D

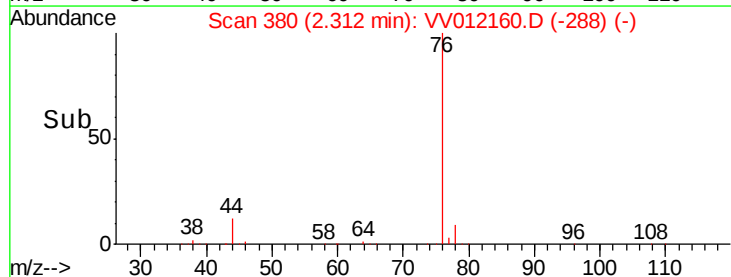
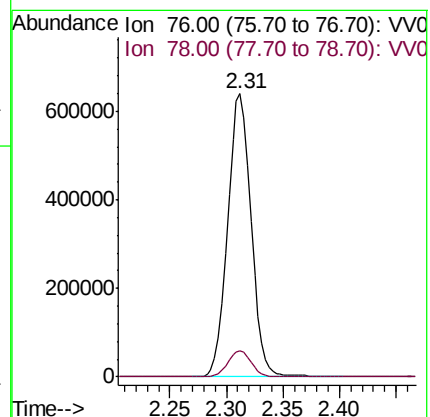
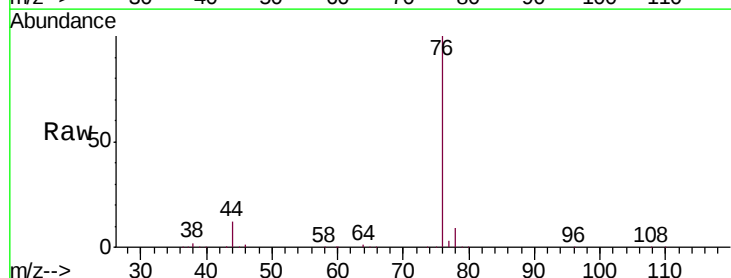
Acq: 09 Aug 2019 18:44

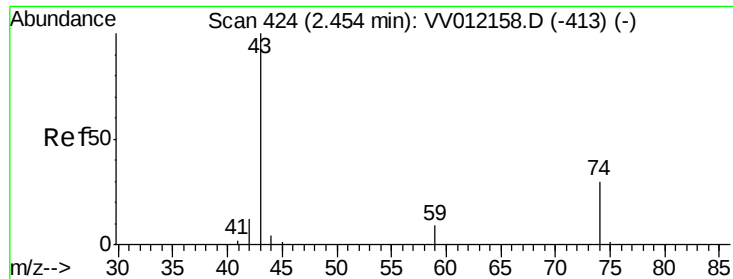
Tgt Ion: 76 Resp: 924422

Ion Ratio Lower Upper

76 100

78 9.3 7.3 10.9

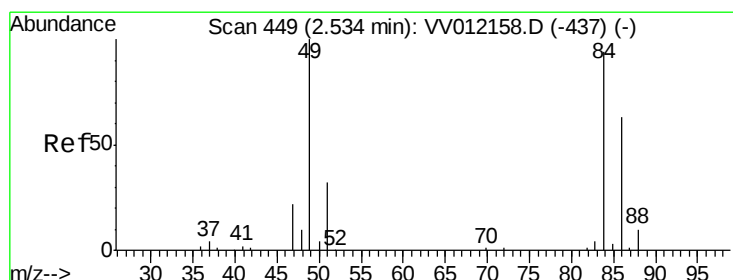
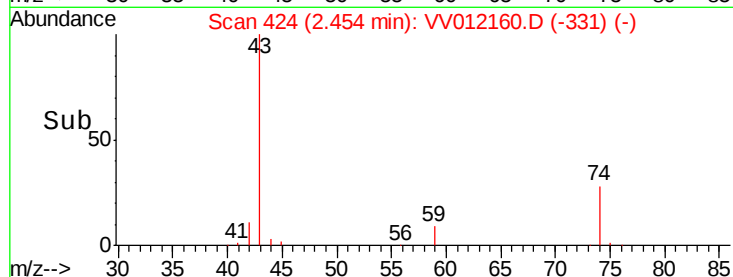
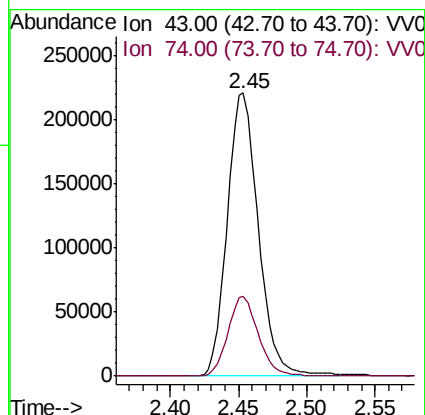
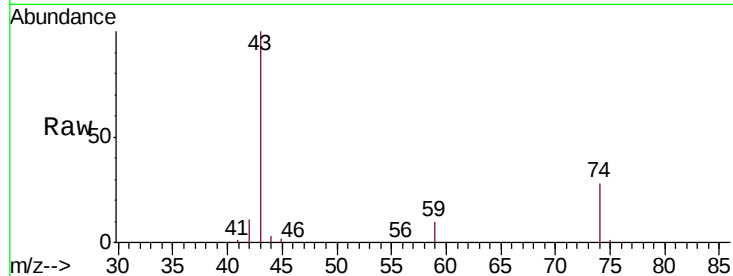




#15
Methyl Acetate
Concen: 167.882 ug/L
RT: 2.45 min Scan# 424
Delta R.T. -0.00 min
Lab File: VV012160.D
Acq: 09 Aug 2019 18:44

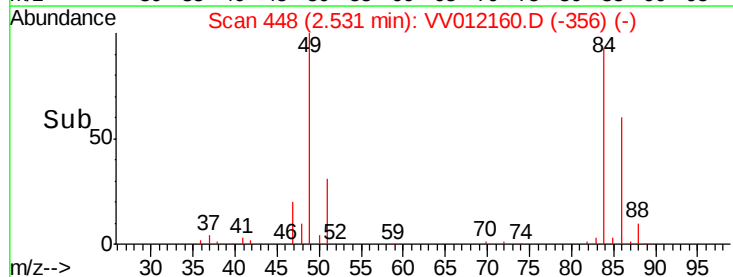
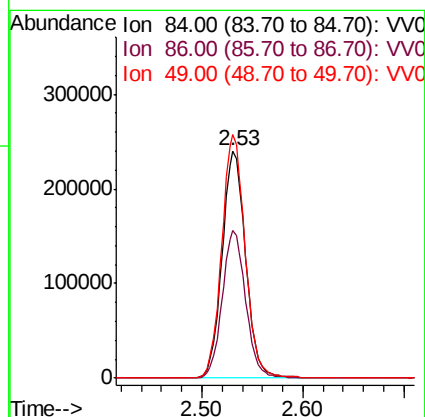
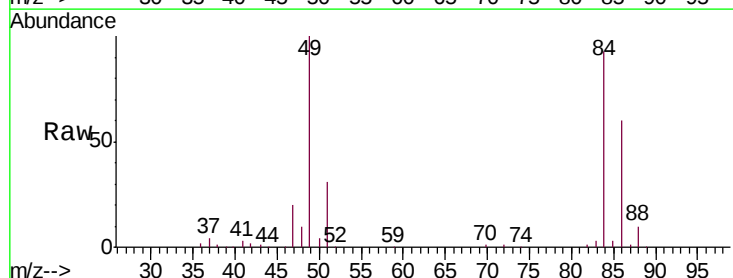
Instrument :
MSVOA_V
ClientSampleId :
VSTD20062

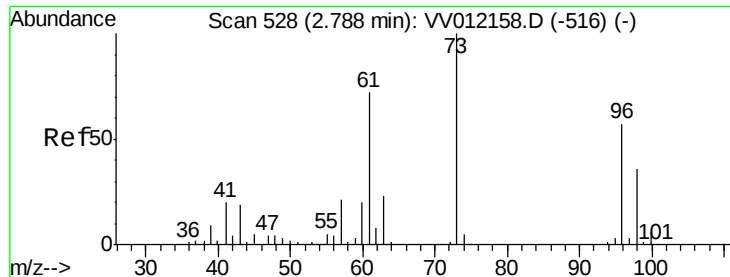
Tgt Ion: 43 Resp: 349547
Ion Ratio Lower Upper
43 100
74 27.5 22.4 33.6



#16
Methylene chloride
Concen: 171.065 ug/L
RT: 2.53 min Scan# 448
Delta R.T. -0.00 min
Lab File: VV012160.D
Acq: 09 Aug 2019 18:44

Tgt Ion: 84 Resp: 391891
Ion Ratio Lower Upper
84 100
86 64.8 47.0 87.4
49 107.3 74.8 139.0

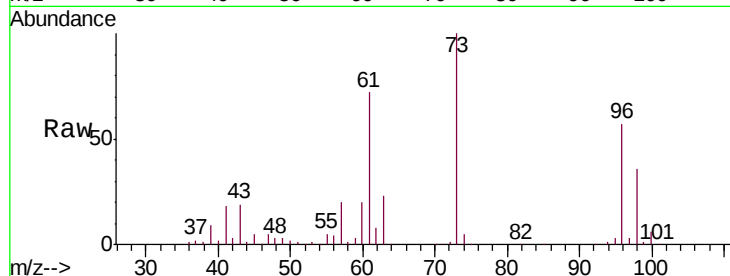




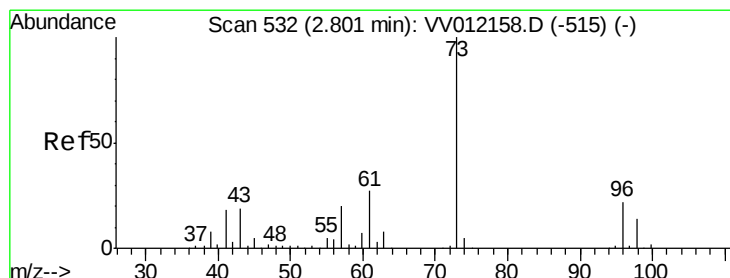
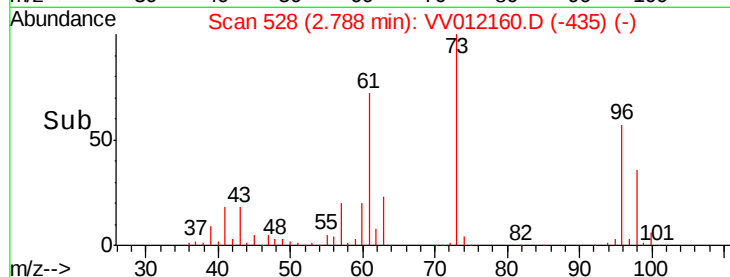
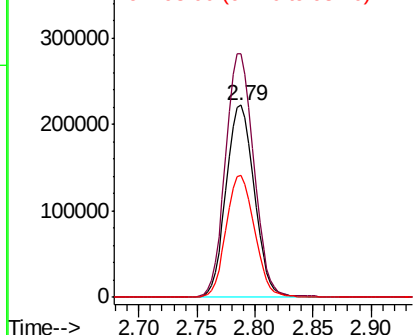
#17
trans-1,2-Dichloroethene
Concen: 175.914 ug/L
RT: 2.79 min Scan# 528
Delta R.T. -0.00 min
Lab File: VV012160.D
Acq: 09 Aug 2019 18:44

Instrument :
MSVOA_V
ClientSampleId :
VSTD20062

Tgt Ion: 96 Resp: 375980
Ion Ratio Lower Upper
96 100
61 126.7 89.3 165.9
98 63.8 44.7 83.1

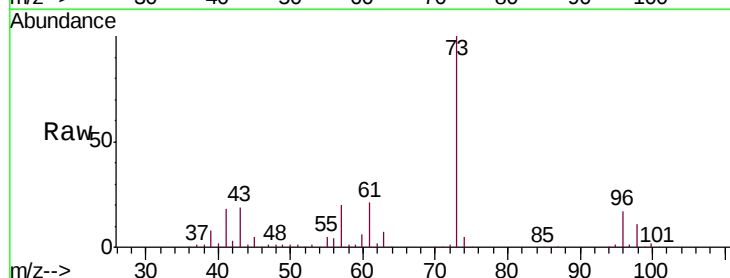


Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 98.00 (97.70 to 98.70): VV0

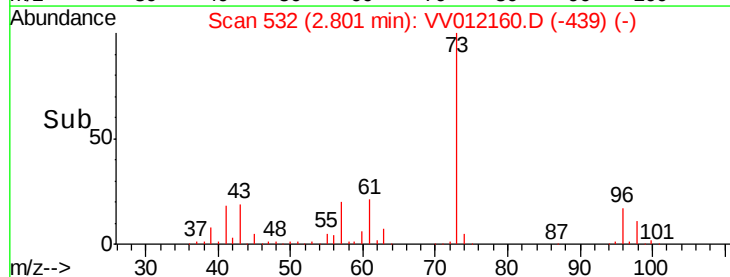
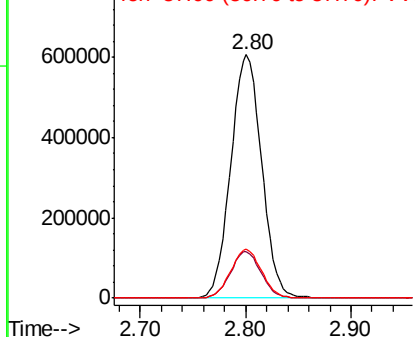


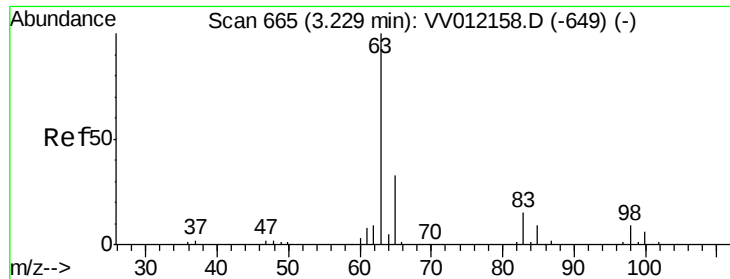
#18
Methyl tert-butyl Ether
Concen: 189.467 ug/L
RT: 2.80 min Scan# 532
Delta R.T. -0.00 min
Lab File: VV012160.D
Acq: 09 Aug 2019 18:44

Tgt Ion: 73 Resp: 1228367
Ion Ratio Lower Upper
73 100
43 18.9 15.2 22.8
57 19.9 16.2 24.2



Abundance Ion 73.00 (72.70 to 73.70): VV0
Ion 43.00 (42.70 to 43.70): VV0
Ion 57.00 (56.70 to 57.70): VV0

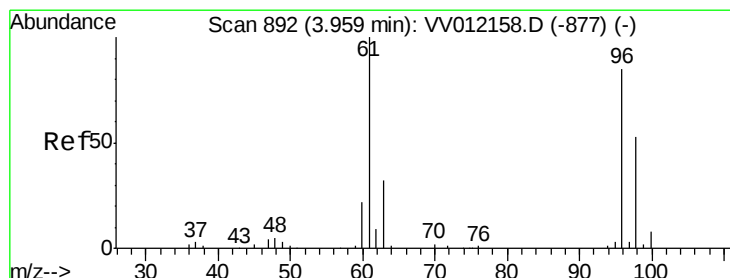
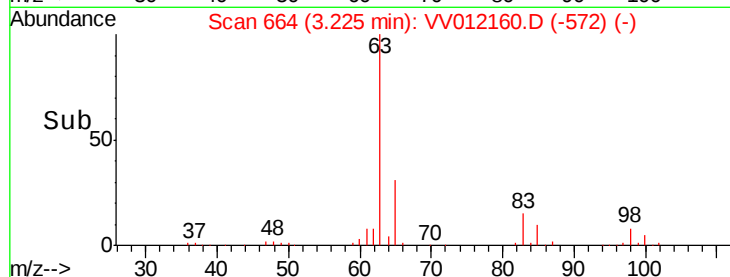
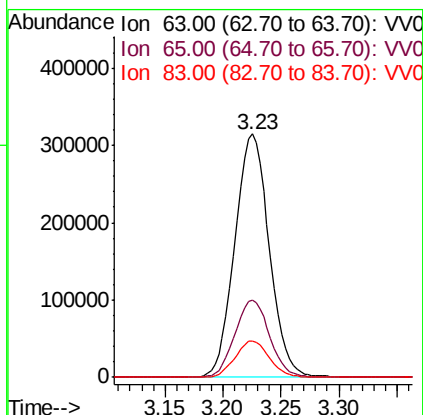
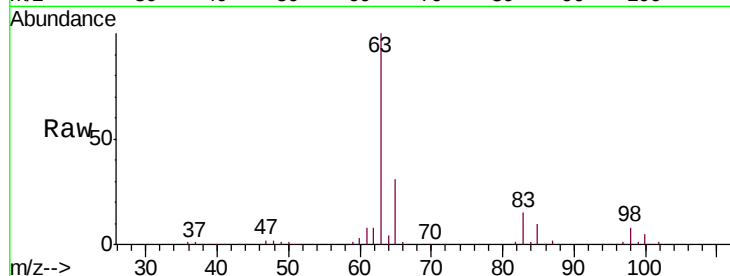




#19
 1,1-Dichloroethane
 Concen: 168.138 ug/L
 RT: 3.23 min Scan# 664
 Delta R.T. -0.00 min
 Lab File: VV012160.D
 Acq: 09 Aug 2019 18:44

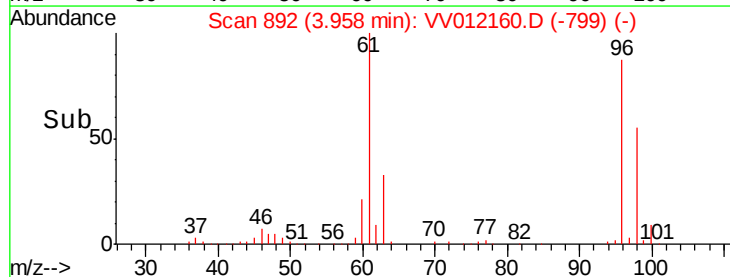
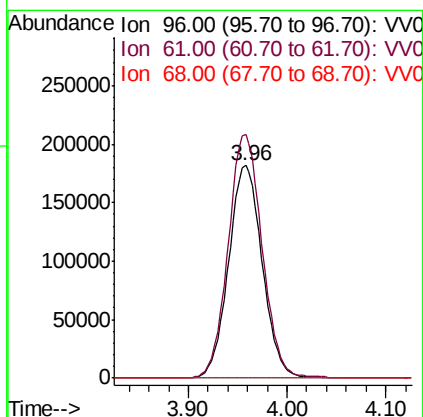
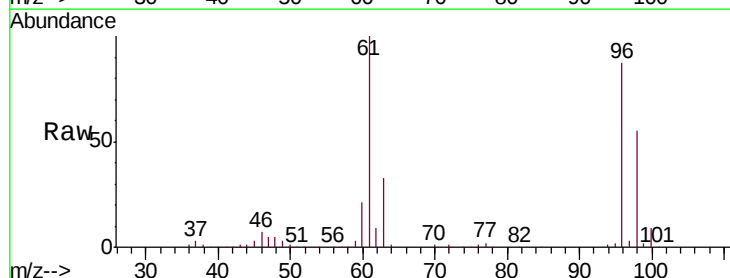
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD20062

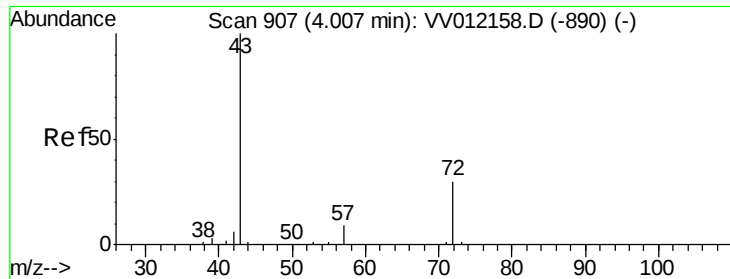
Tgt Ion: 63 Resp: 648353
 Ion Ratio Lower Upper
 63 100
 65 31.5 22.9 42.5
 83 15.1 10.4 19.2



#20
 cis-1,2-Dichloroethene
 Concen: 181.399 ug/L
 RT: 3.96 min Scan# 892
 Delta R.T. -0.00 min
 Lab File: VV012160.D
 Acq: 09 Aug 2019 18:44

Tgt Ion: 96 Resp: 432640
 Ion Ratio Lower Upper
 96 100
 61 114.5 82.9 153.9
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 328.767 ug/L

RT: 4.00 min Scan# 906

Delta R.T. -0.00 min

Lab File: VV012160.D

Acq: 09 Aug 2019 18:44

Instrument :

MSVOA_V

ClientSampleId :

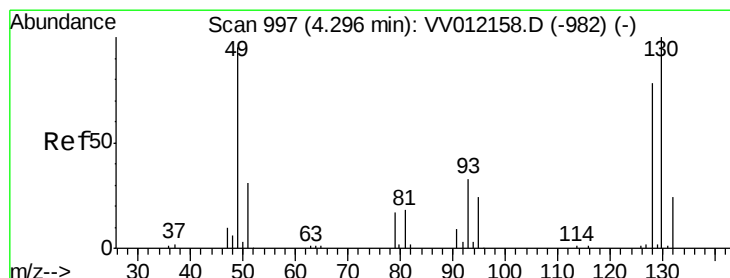
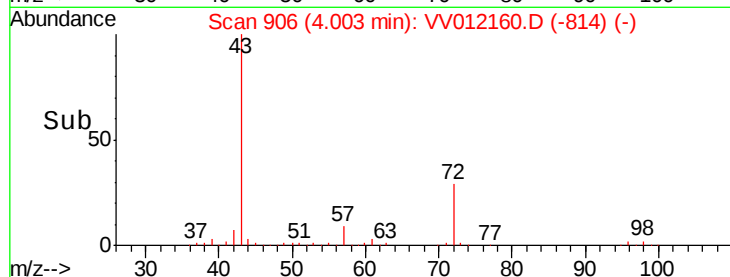
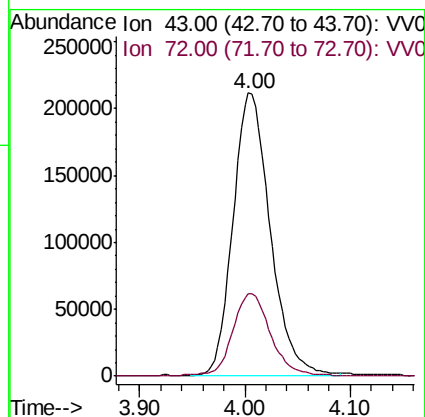
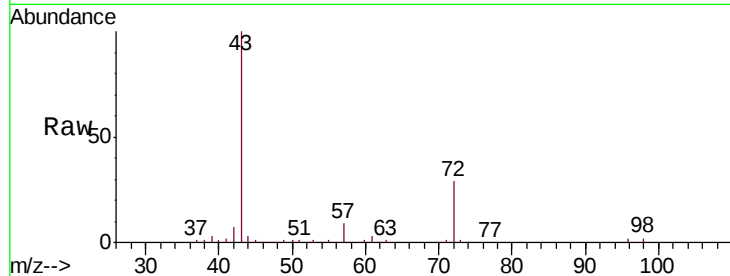
VSTD20062

Tgt Ion: 43 Resp: 515644

Ion Ratio Lower Upper

43 100

72 30.2 14.0 42.0



#23

Bromochloromethane

Concen: 195.718 ug/L

RT: 4.29 min Scan# 996

Delta R.T. -0.00 min

Lab File: VV012160.D

Acq: 09 Aug 2019 18:44

Tgt Ion: 128 Resp: 237965

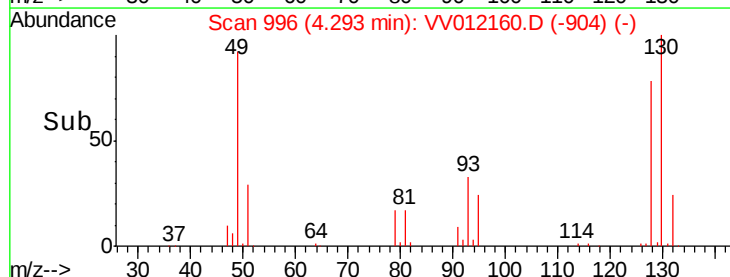
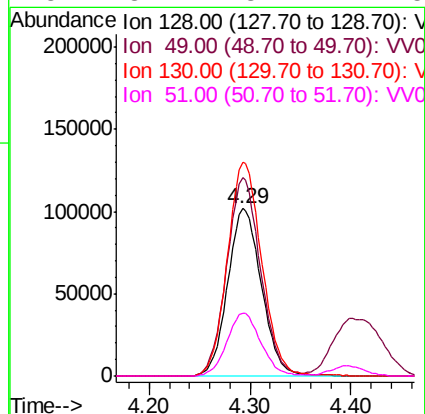
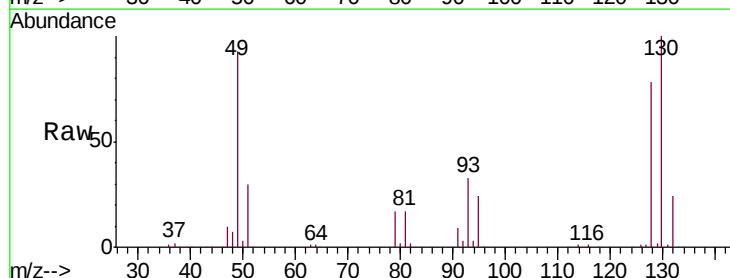
Ion Ratio Lower Upper

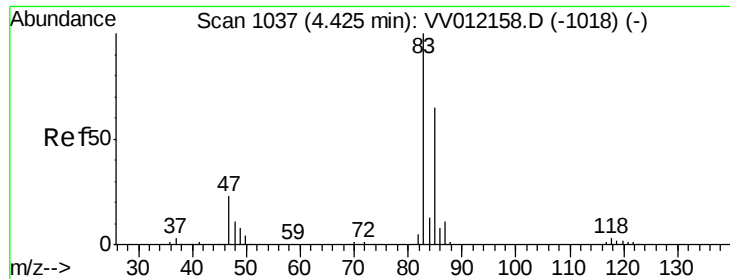
128 100

49 118.5 85.7 159.1

130 127.5 89.9 166.9

51 37.7 31.7 47.5

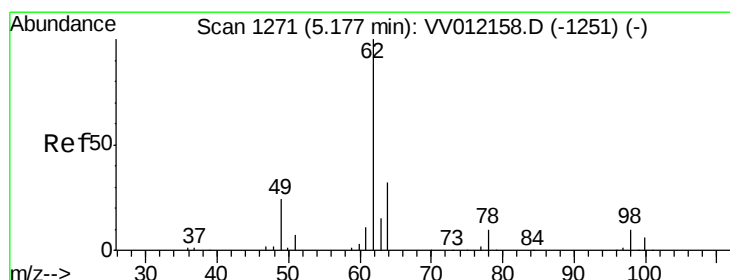
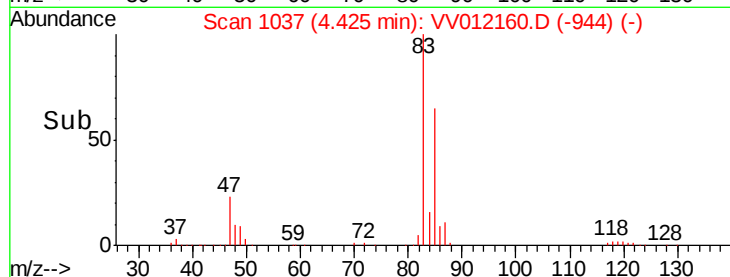
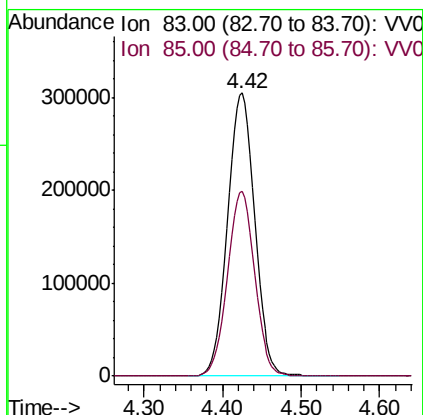
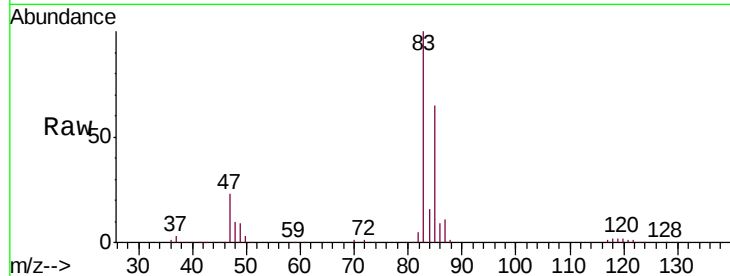




#25
Chloroform
Concen: 173.342 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. -0.00 min
Lab File: VV012160.D
Acq: 09 Aug 2019 18:44

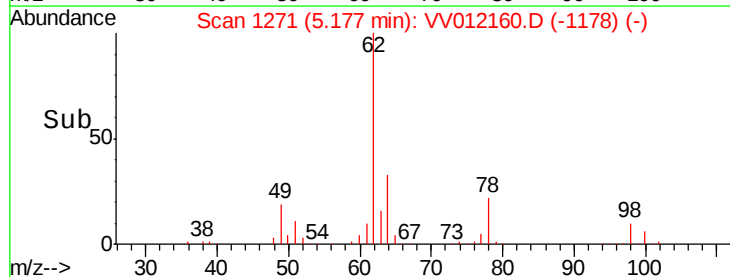
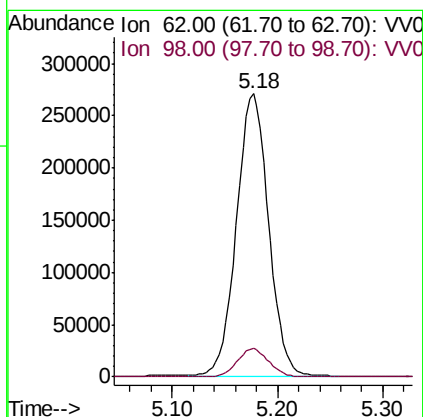
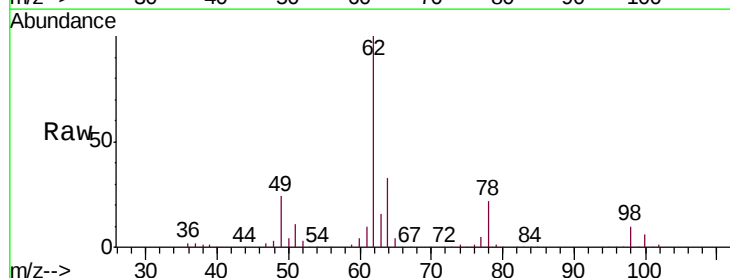
Instrument :
MSVOA_V
ClientSampleId :
VSTD20062

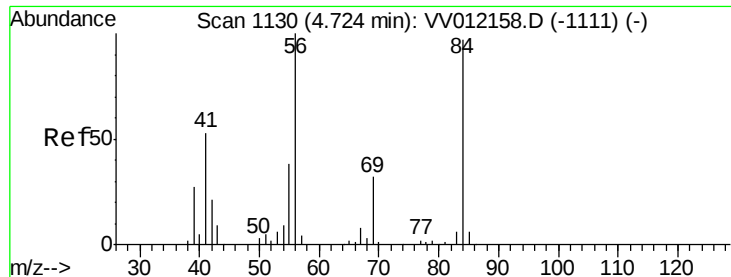
Tgt Ion: 83 Resp: 730912
Ion Ratio Lower Upper
83 100
85 65.2 45.7 84.9



#27
1,2-Dichloroethane
Concen: 166.221 ug/L
RT: 5.18 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VV012160.D
Acq: 09 Aug 2019 18:44

Tgt Ion: 62 Resp: 570353
Ion Ratio Lower Upper
62 100
98 10.0 8.1 12.1

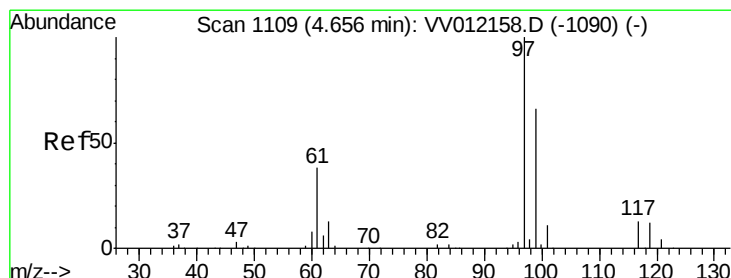
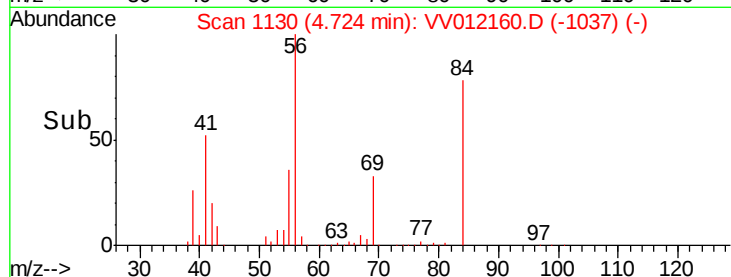
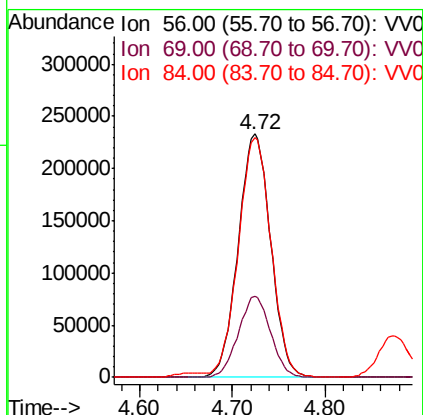
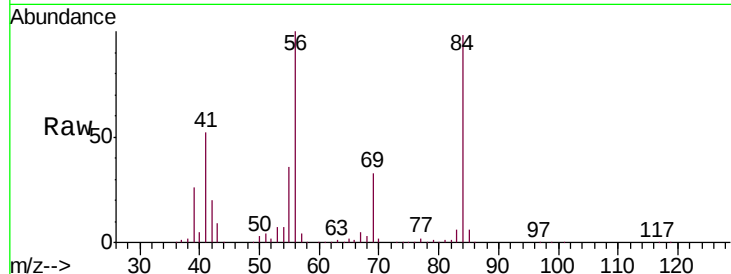




#29
Cyclohexane
Concen: 178.830 ug/L
RT: 4.72 min Scan# 1130
Delta R.T. -0.00 min
Lab File: VV012160.D
Acq: 09 Aug 2019 18:44

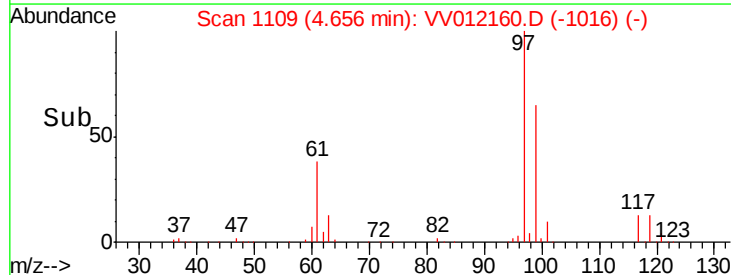
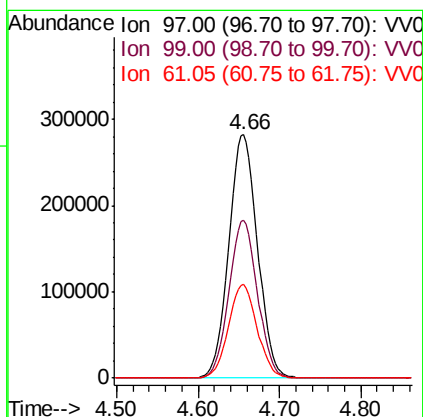
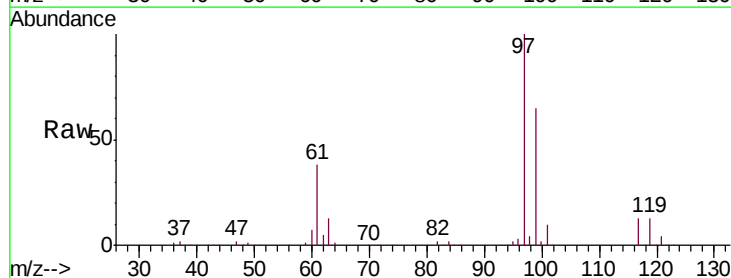
Instrument :
MSVOA_V
ClientSampleId :
VSTD20062

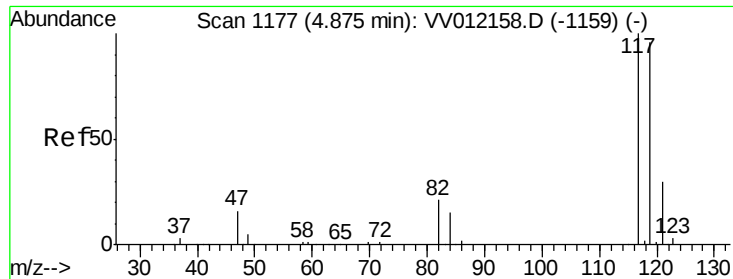
Tgt Ion: 56 Resp: 566632
Ion Ratio Lower Upper
56 100
69 33.0 26.6 40.0
84 99.4 78.6 117.8



#30
1,1,1-Trichloroethane
Concen: 209.118 ug/L
RT: 4.66 min Scan# 1109
Delta R.T. -0.00 min
Lab File: VV012160.D
Acq: 09 Aug 2019 18:44

Tgt Ion: 97 Resp: 695318
Ion Ratio Lower Upper
97 100
99 64.3 51.5 77.3
61 38.4 31.5 47.3





#31

Carbon tetrachloride

Concen: 223.504 ug/L

RT: 4.87 min Scan# 1177

Delta R.T. -0.00 min

Lab File: VV012160.D

Acq: 09 Aug 2019 18:44

Instrument :

MSVOA_V

ClientSampleId :

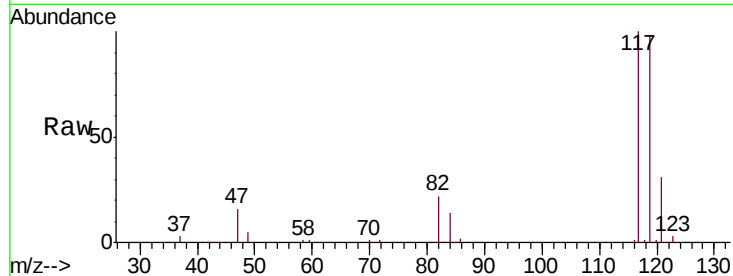
VSTD20062

Tgt Ion:117 Resp: 653331

Ion Ratio Lower Upper

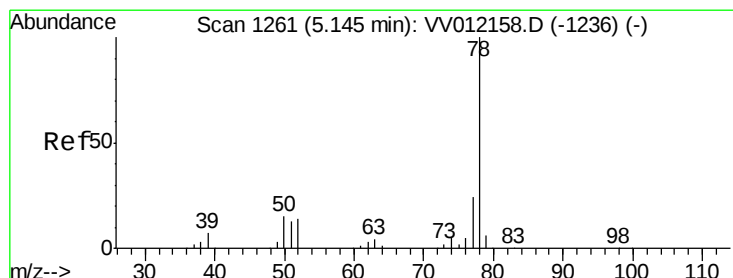
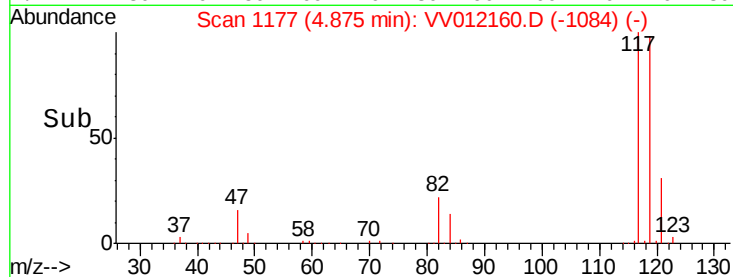
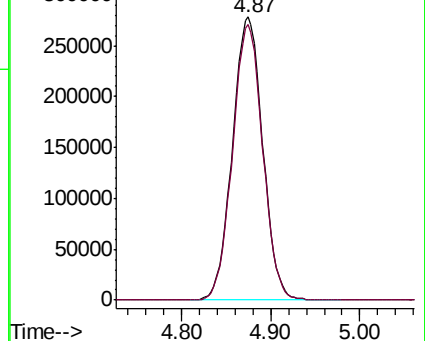
117 100

119 97.0 77.1 115.7



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 177.045 ug/L

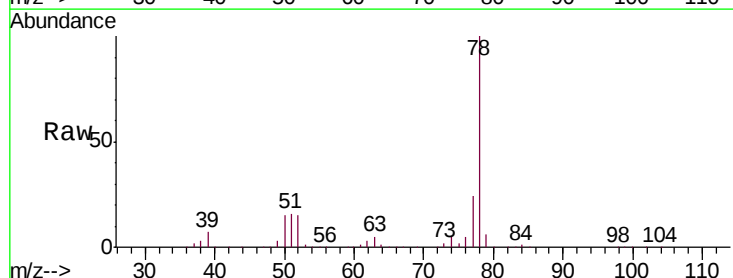
RT: 5.14 min Scan# 1261

Delta R.T. -0.00 min

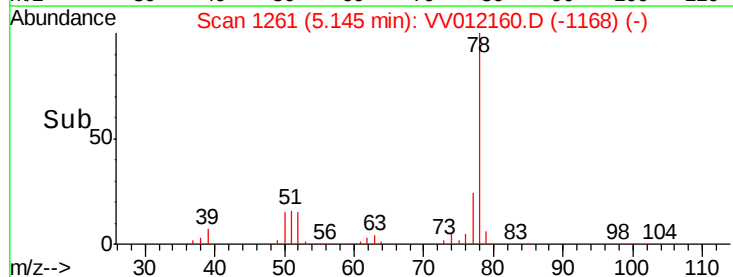
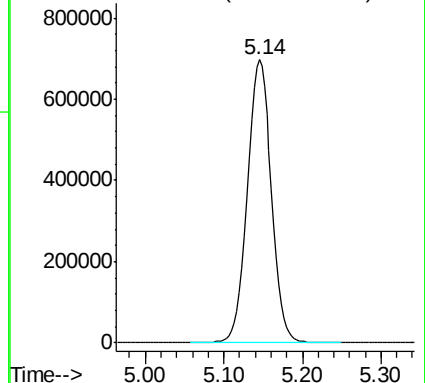
Lab File: VV012160.D

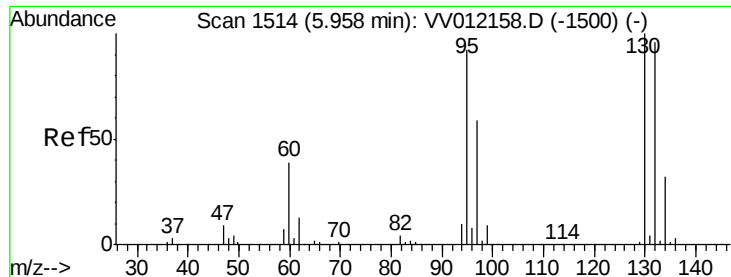
Acq: 09 Aug 2019 18:44

Tgt Ion: 78 Resp: 1503193



Abundance Ion 78.00 (77.70 to 78.70): VV0

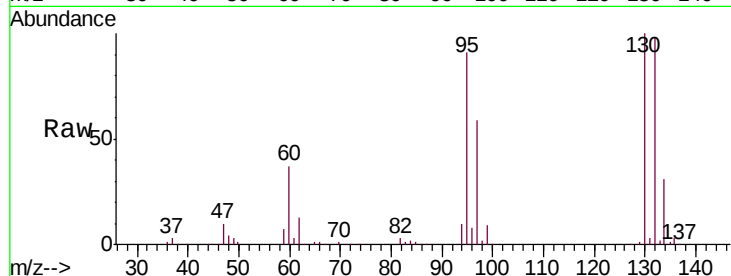




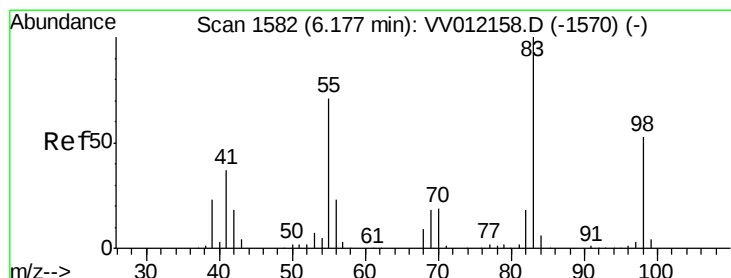
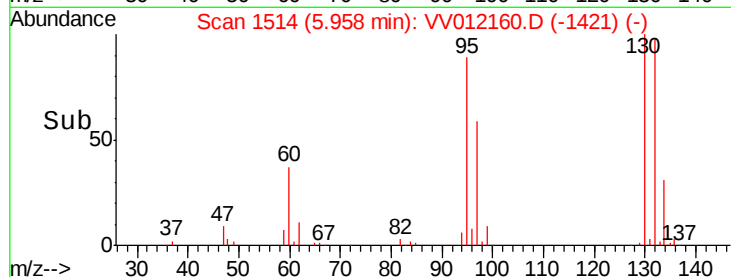
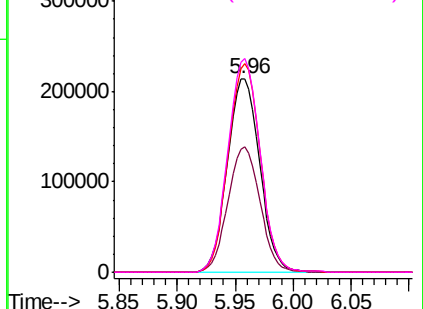
#34
 Trichloroethene
 Concen: 192.656 ug/L
 RT: 5.96 min Scan# 1514
 Delta R.T. -0.00 min
 Lab File: VV012160.D
 Acq: 09 Aug 2019 18:44

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD20062

Tgt Ion: 95 Resp: 413450
 Ion Ratio Lower Upper
 95 100
 97 64.5 44.7 83.1
 132 107.9 72.7 134.9
 130 110.2 75.9 141.1

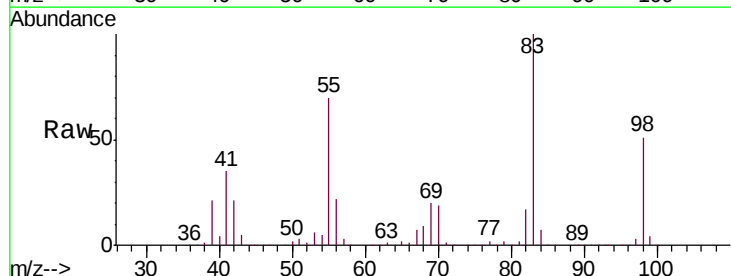


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 97.00 (96.70 to 97.70): VV0
 Ion 132.00 (131.70 to 132.70): VV0
 Ion 130.00 (129.70 to 130.70): VV0

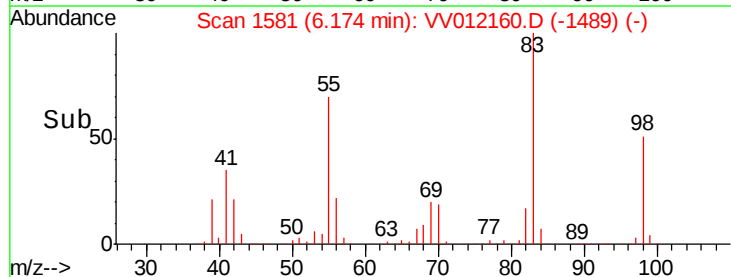
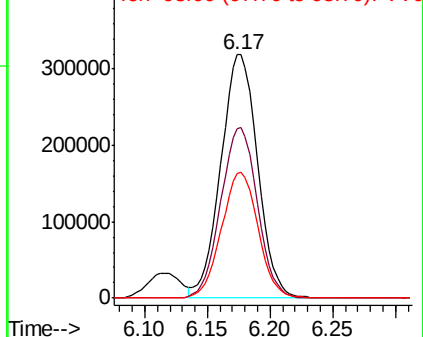


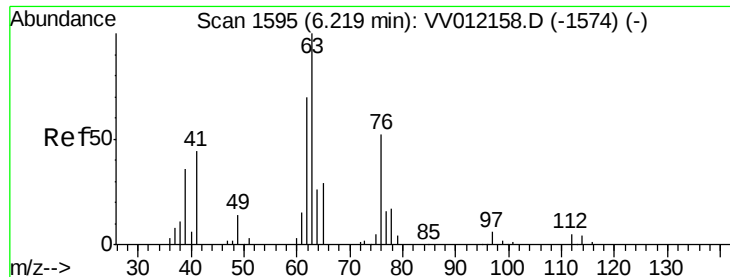
#35
 Methylcyclohexane
 Concen: 183.932 ug/L
 RT: 6.17 min Scan# 1581
 Delta R.T. -0.00 min
 Lab File: VV012160.D
 Acq: 09 Aug 2019 18:44

Tgt Ion: 83 Resp: 649348
 Ion Ratio Lower Upper
 83 100
 55 69.7 54.9 82.3
 98 51.6 40.7 61.1



Abundance Ion 83.00 (82.70 to 83.70): VV0
 Ion 55.00 (54.70 to 55.70): VV0
 Ion 98.00 (97.70 to 98.70): VV0

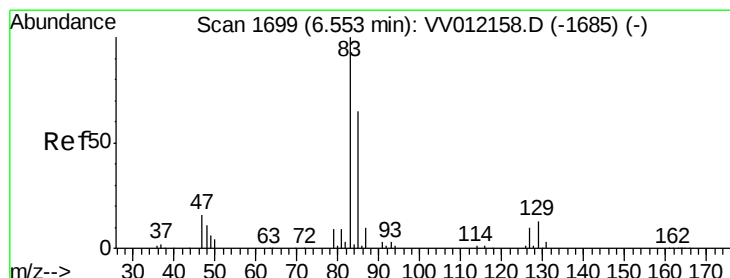
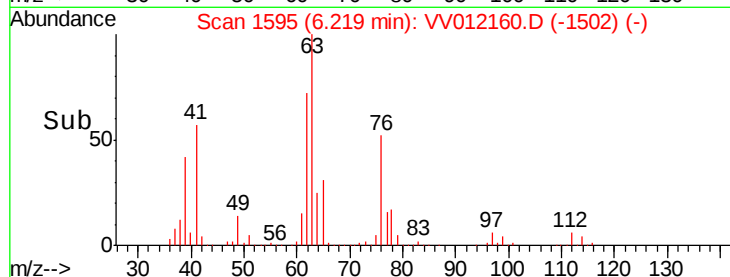
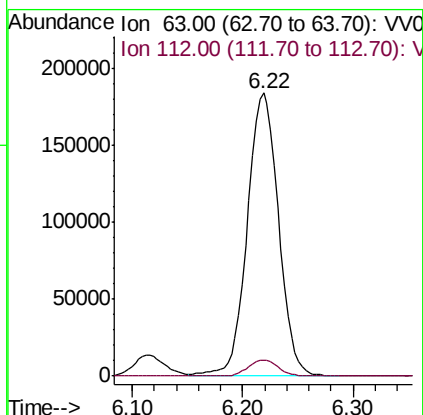
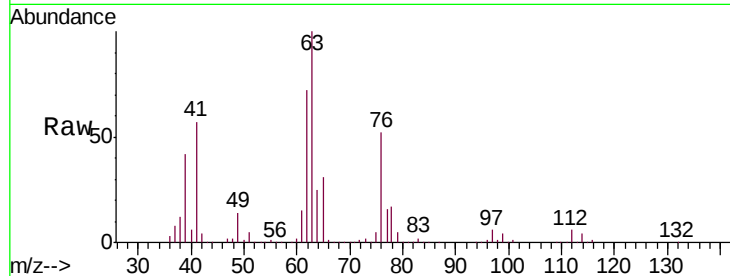




#37
 1,2-Dichloropropane
 Concen: 166.597 ug/L
 RT: 6.22 min Scan# 1595
 Delta R.T. -0.00 min
 Lab File: VV012160.D
 Acq: 09 Aug 2019 18:44

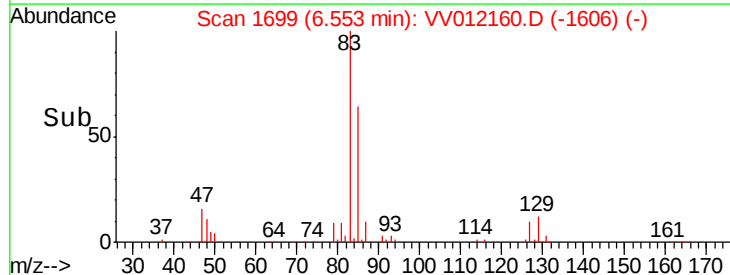
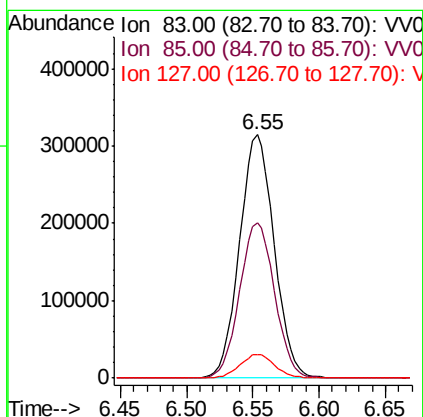
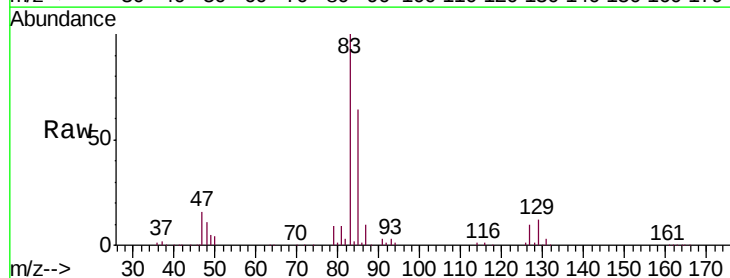
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD20062

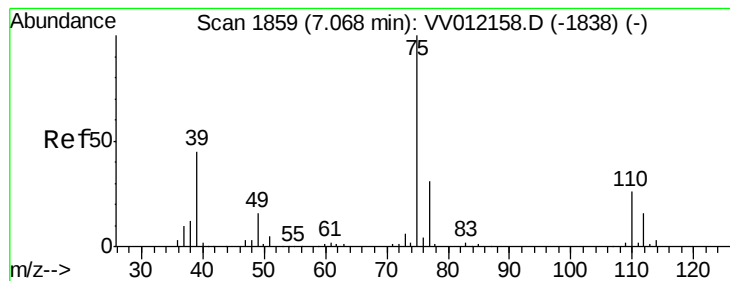
Tgt Ion: 63 Resp: 360468
 Ion Ratio Lower Upper
 63 100
 112 5.7 4.2 6.4



#38
 Bromodichloromethane
 Concen: 203.345 ug/L
 RT: 6.55 min Scan# 1699
 Delta R.T. -0.00 min
 Lab File: VV012160.D
 Acq: 09 Aug 2019 18:44

Tgt Ion: 83 Resp: 572260
 Ion Ratio Lower Upper
 83 100
 85 64.0 45.5 84.5
 127 9.9 7.7 11.5



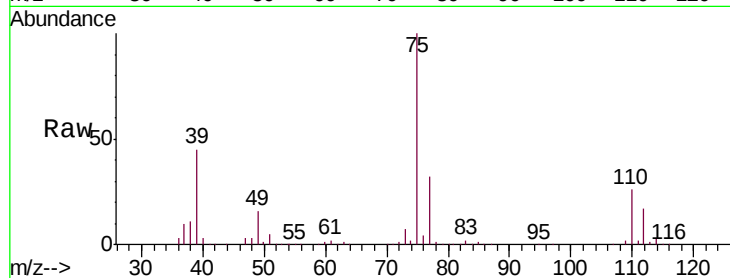


#39

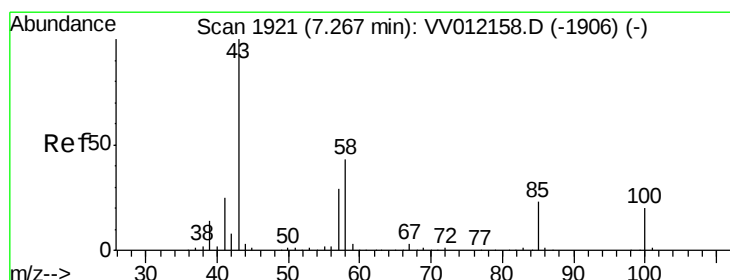
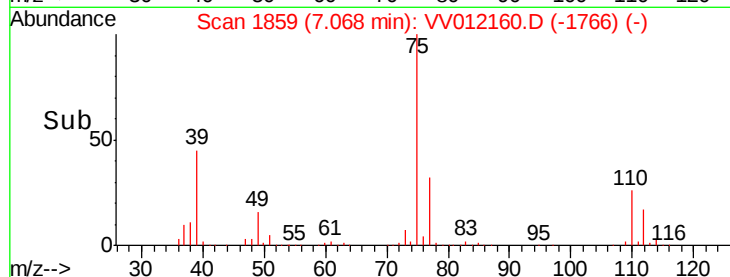
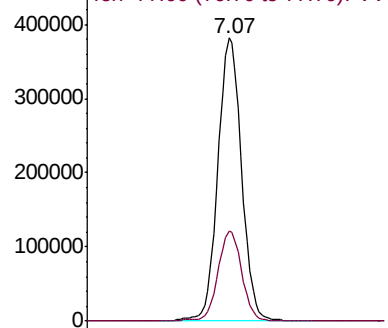
cis-1,3-Dichloropropene
Concen: 209.216 ug/L
RT: 7.07 min Scan# 1859
Delta R.T. -0.00 min
Lab File: VV012160.D
Acq: 09 Aug 2019 18:44

Instrument :
MSVOA_V
ClientSampleId :
VSTD20062

Tgt Ion: 75 Resp: 664311
Ion Ratio Lower Upper
75 100
77 31.8 21.7 40.3



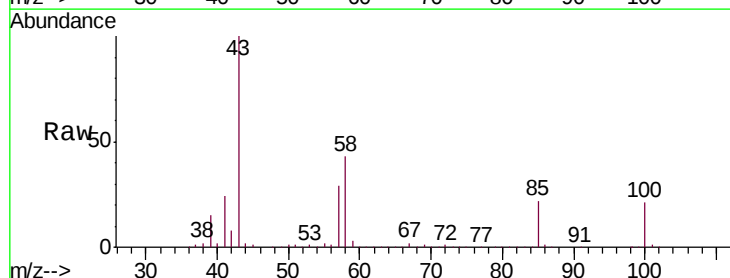
Abundance Ion 75.00 (74.70 to 75.70): VV012160.D (-1766) (-)
Ion 77.00 (76.70 to 77.70): VV012160.D (-1766) (-)



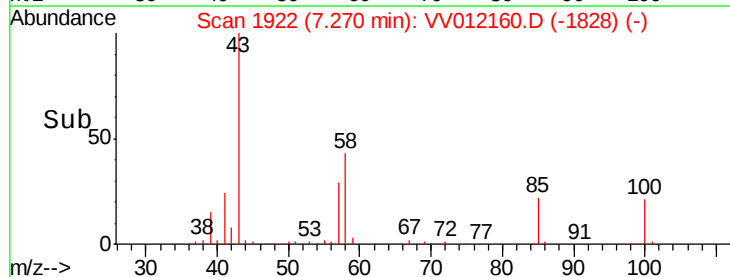
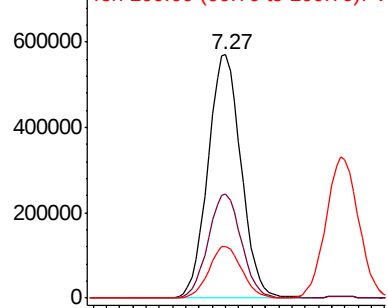
#40

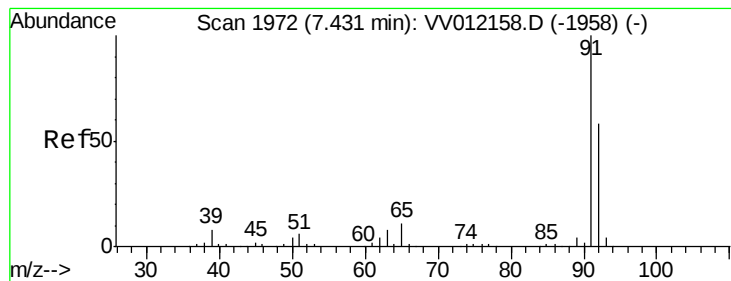
4-Methyl-2-pentanone
Concen: 339.497 ug/L
RT: 7.27 min Scan# 1922
Delta R.T. 0.00 min
Lab File: VV012160.D
Acq: 09 Aug 2019 18:44

Tgt Ion: 43 Resp: 987308
Ion Ratio Lower Upper
43 100
58 43.0 34.7 52.1
100 21.1 16.2 24.2



Abundance Ion 43.00 (42.70 to 43.70): VV012160.D (-1828) (-)
Ion 58.00 (57.70 to 58.70): VV012160.D (-1828) (-)
Ion 100.00 (99.70 to 100.70): VV012160.D (-1828) (-)





#42

Toluene

Concen: 174.772 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VV012160.D

Acq: 09 Aug 2019 18:44

Instrument :

MSVOA_V

ClientSampleId :

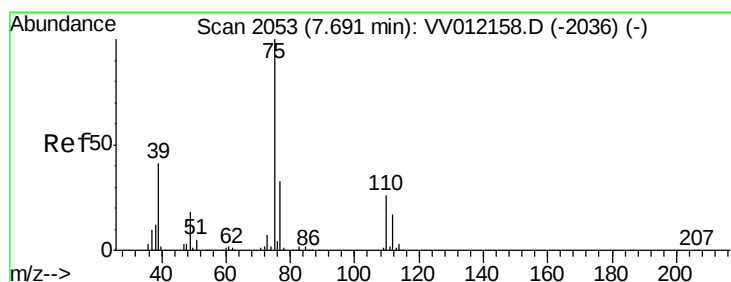
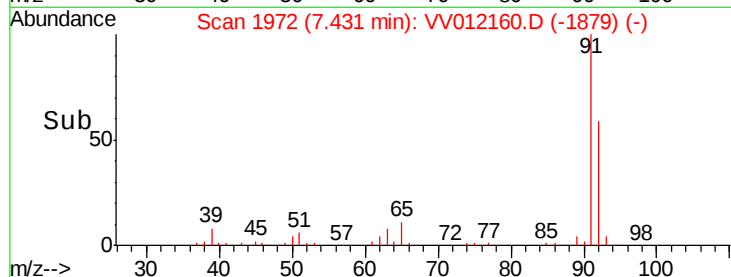
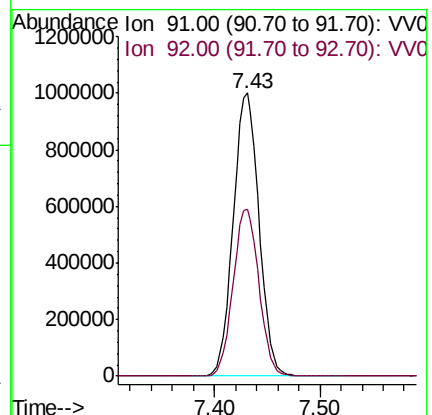
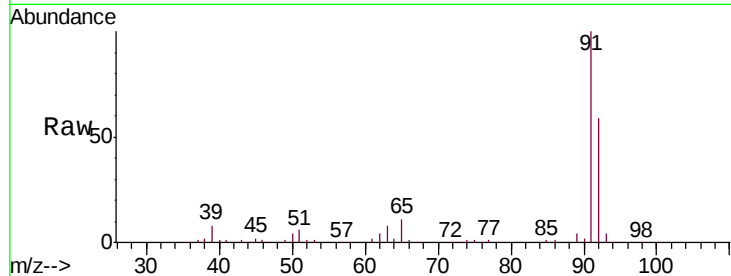
VSTD20062

Tgt Ion: 91 Resp: 1686374

Ion Ratio Lower Upper

91 100

92 59.2 40.9 76.0



#44

trans-1,3-Dichloropropene

Concen: 206.373 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. -0.00 min

Lab File: VV012160.D

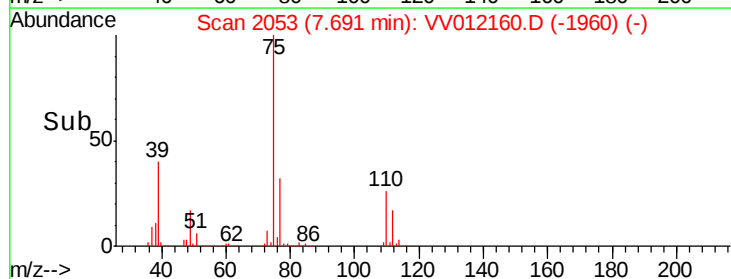
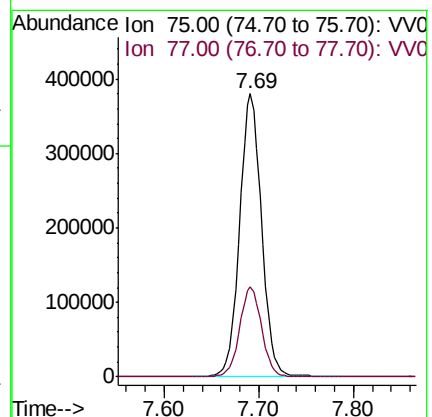
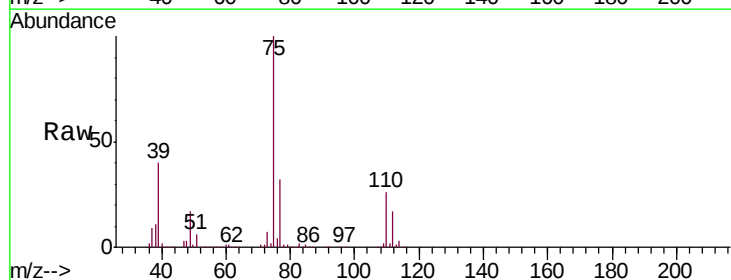
Acq: 09 Aug 2019 18:44

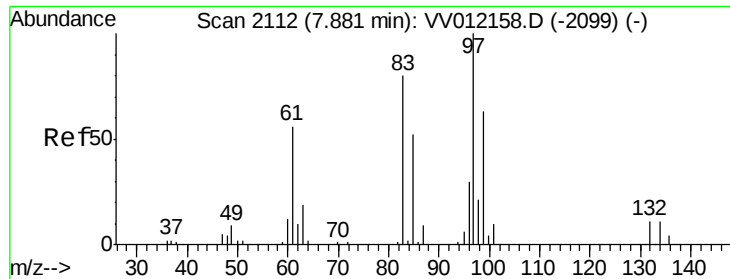
Tgt Ion: 75 Resp: 612018

Ion Ratio Lower Upper

75 100

77 31.8 22.7 42.3

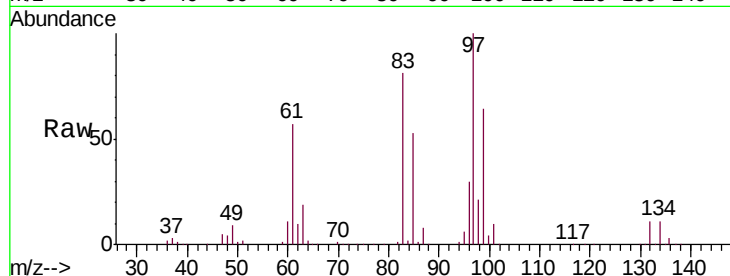




#45
 1,1,2-Trichloroethane
 Concen: 186.887 ug/L
 RT: 7.88 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VV012160.D
 Acq: 09 Aug 2019 18:44

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD20062

Tgt Ion:	97	Resp:	402389
Ion	Ratio	Lower	Upper
97	100		
99	63.6	44.2	82.0
83	80.7	55.9	103.9
85	52.5	36.3	67.3



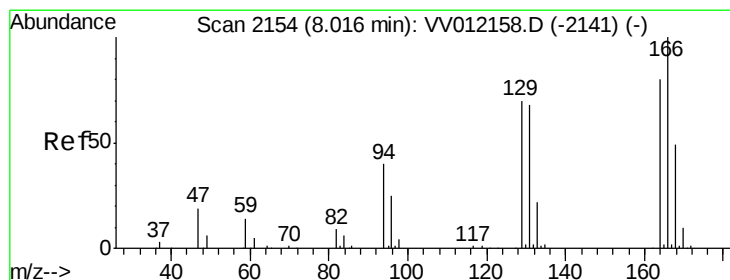
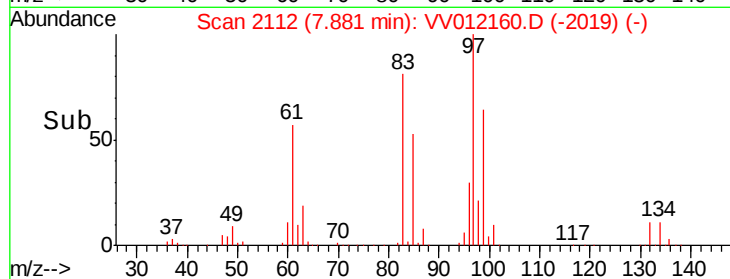
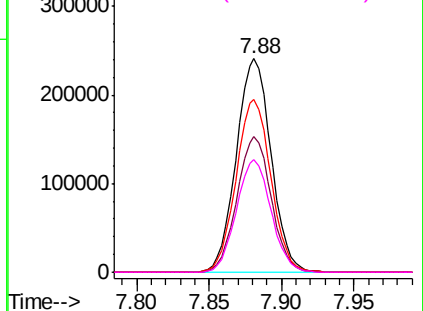
Abundance

Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

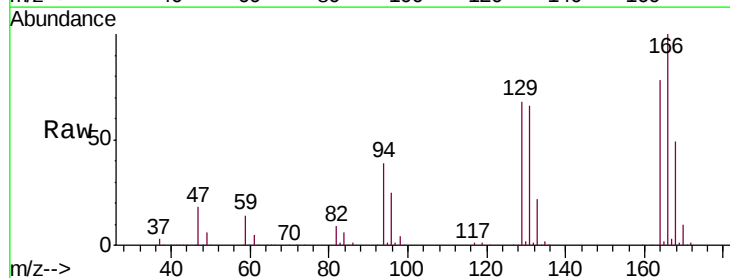
Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0



#46
 Tetrachloroethene
 Concen: 217.603 ug/L
 RT: 8.02 min Scan# 2154
 Delta R.T. -0.00 min
 Lab File: VV012160.D
 Acq: 09 Aug 2019 18:44

Tgt Ion:	164	Resp:	393564
Ion	Ratio	Lower	Upper
164	100		
129	87.0	60.6	112.6
131	83.8	59.5	110.5
166	127.7	87.2	161.9



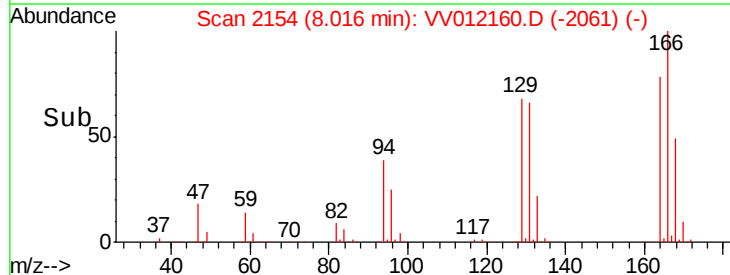
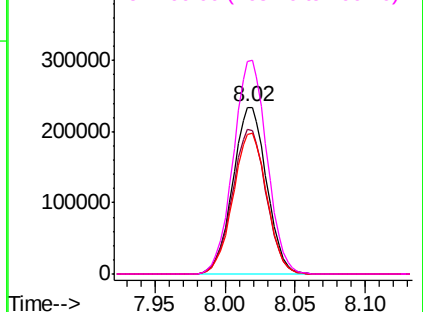
Abundance

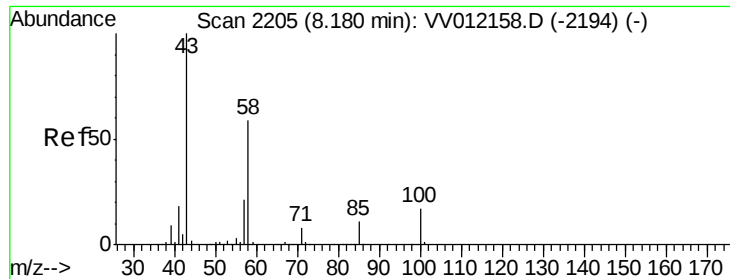
Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

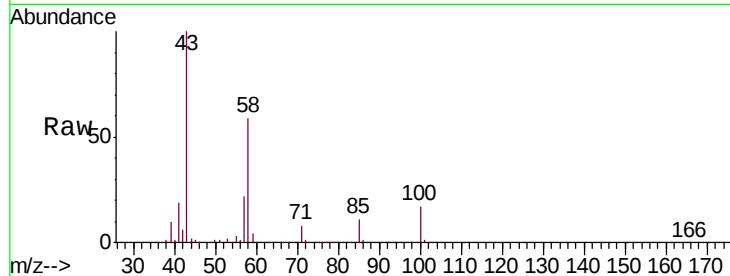




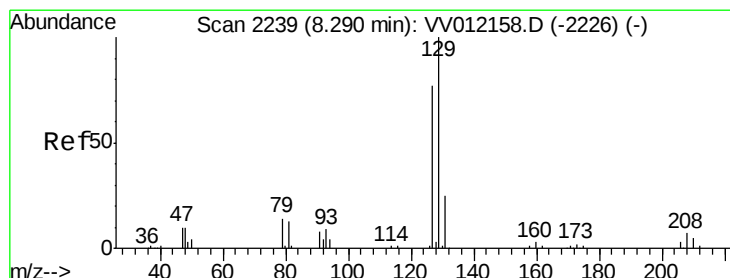
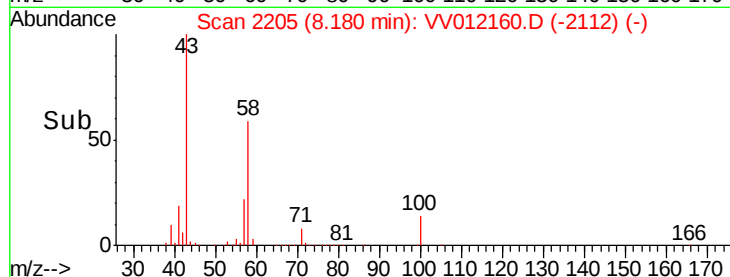
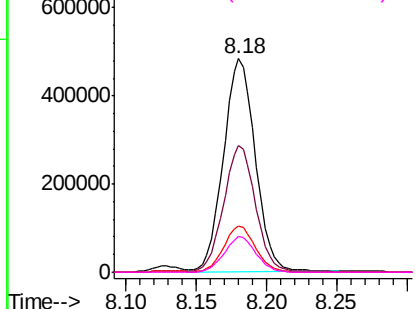
#48
2-Hexanone
Concen: 350.468 ug/L
RT: 8.18 min Scan# 2205
Delta R.T. -0.00 min
Lab File: VV012160.D
Acq: 09 Aug 2019 18:44

Instrument :
MSVOA_V
ClientSampleId :
VSTD20062

Tgt Ion: 43 Resp: 761714
Ion Ratio Lower Upper
43 100
58 59.1 47.4 71.0
57 21.7 16.8 25.2
100 16.6 13.2 19.8

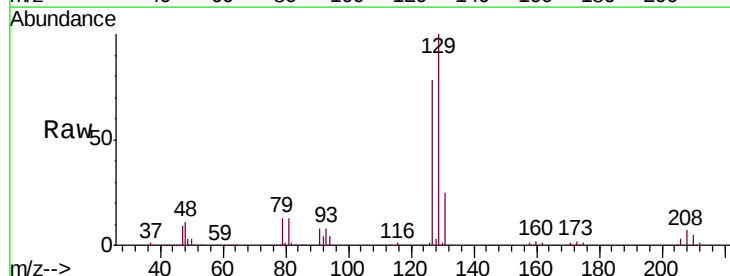


Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 58.00 (57.70 to 58.70): VV0
Ion 57.00 (56.70 to 57.70): VV0
Ion 100.00 (99.70 to 100.70): VV0

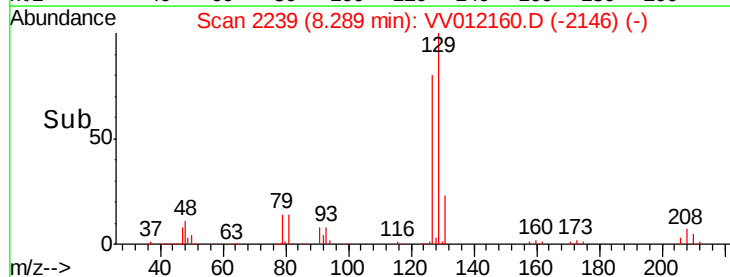
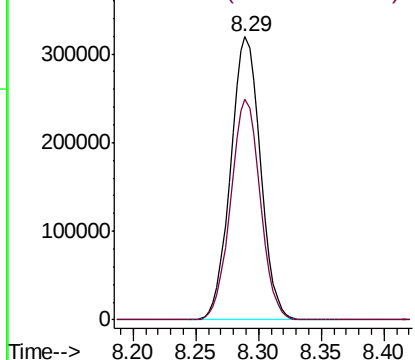


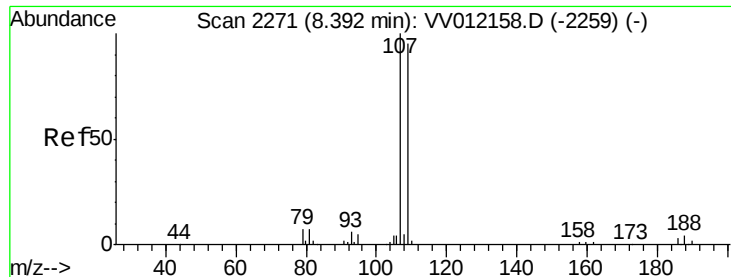
#49
Dibromochloromethane
Concen: 223.683 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VV012160.D
Acq: 09 Aug 2019 18:44

Tgt Ion: 129 Resp: 527679
Ion Ratio Lower Upper
129 100
127 77.9 53.8 99.8



Abundance Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V

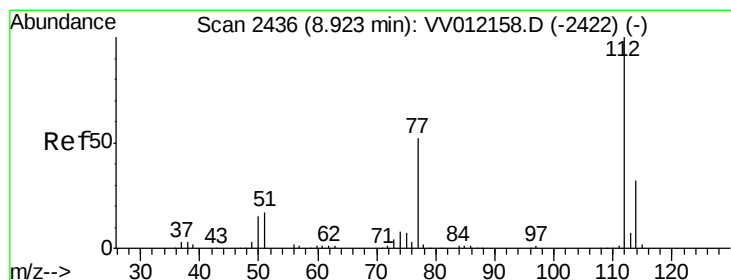
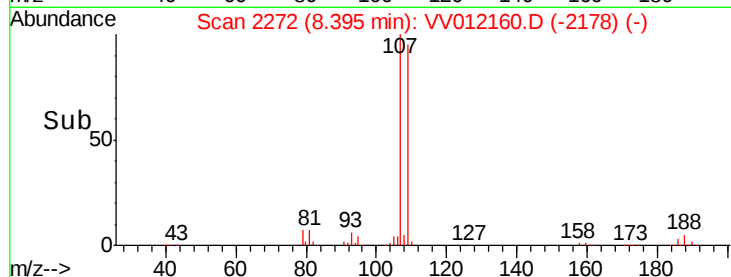
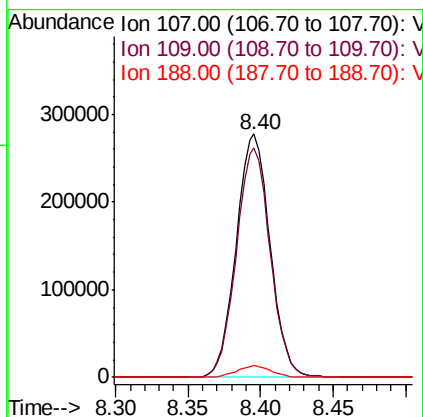
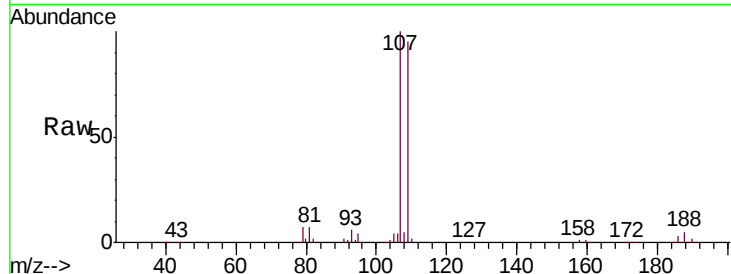




#50
1,2-Dibromoethane
Concen: 196.002 ug/L
RT: 8.40 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VV012160.D
Acq: 09 Aug 2019 18:44

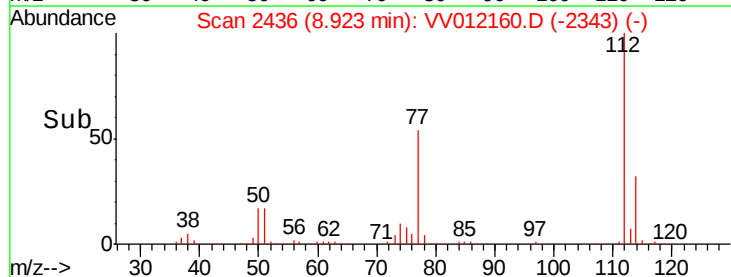
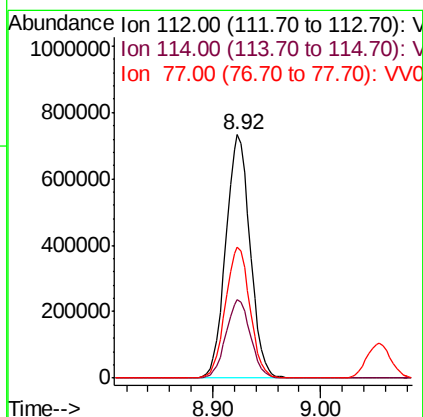
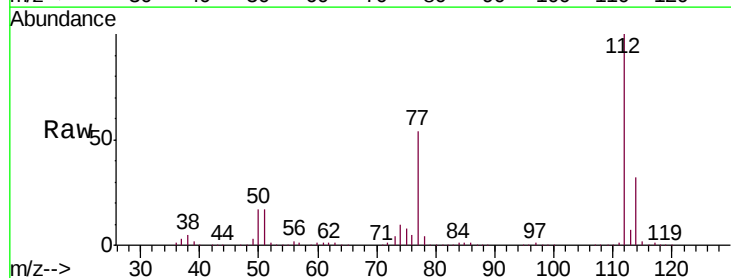
Instrument :
MSVOA_V
ClientSampleId :
VSTD20062

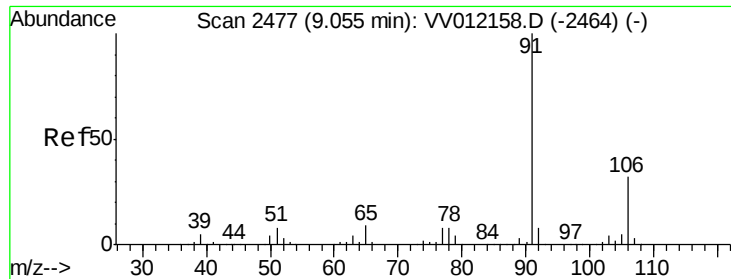
Tgt Ion:107 Resp: 450360
Ion Ratio Lower Upper
107 100
109 94.5 66.8 124.0
188 4.7 3.5 5.3



#51
Chlorobenzene
Concen: 178.621 ug/L
RT: 8.92 min Scan# 2436
Delta R.T. -0.00 min
Lab File: VV012160.D
Acq: 09 Aug 2019 18:44

Tgt Ion:112 Resp: 1151662
Ion Ratio Lower Upper
112 100
114 32.2 22.3 41.5
77 54.0 41.5 62.3





#52

Ethylbenzene

Concen: 178.067 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. -0.00 min

Lab File: VV012160.D

Acq: 09 Aug 2019 18:44

Instrument :

MSVOA_V

ClientSampleId :

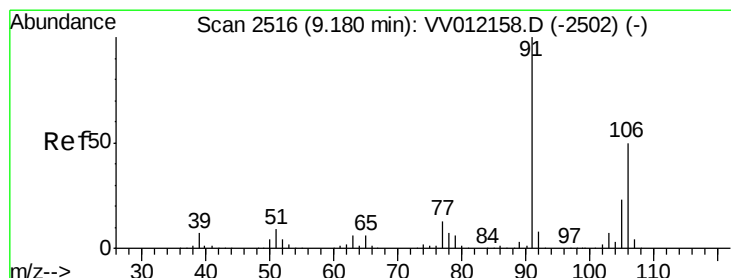
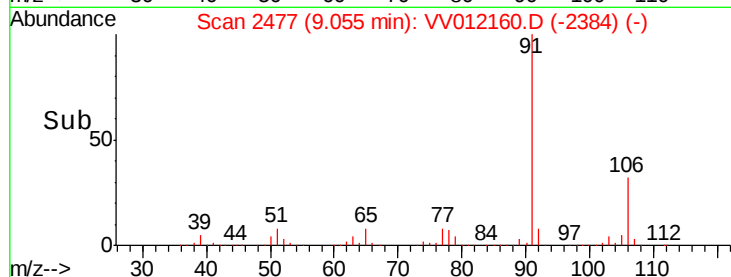
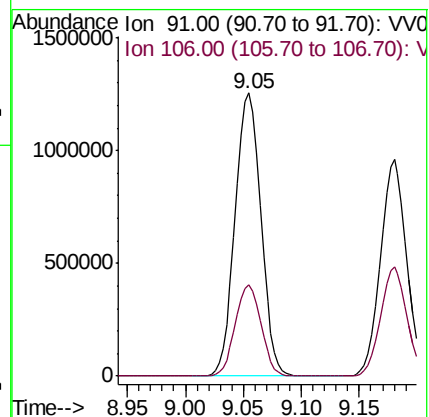
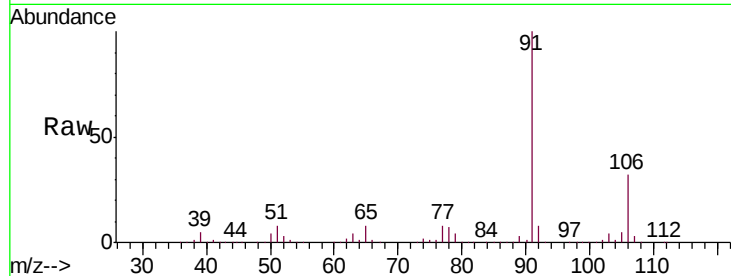
VSTD20062

Tgt Ion: 91 Resp: 1939772

Ion Ratio Lower Upper

91 100

106 32.2 22.6 42.0



#53

m,p-Xylene

Concen: 180.391 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. -0.00 min

Lab File: VV012160.D

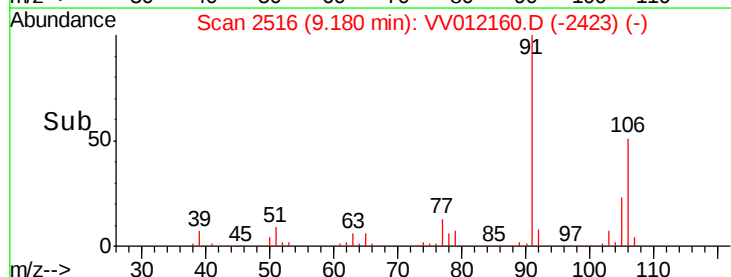
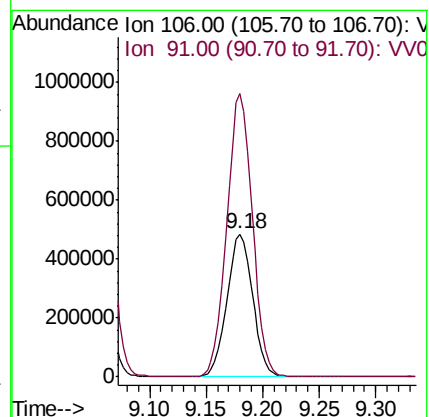
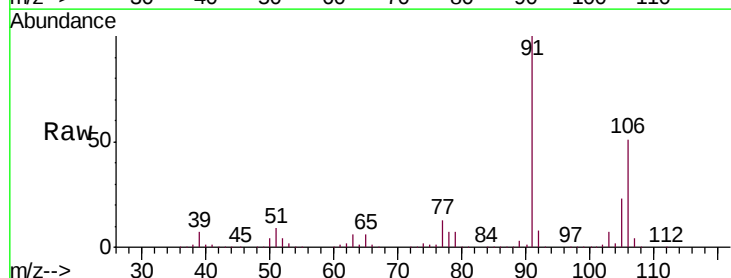
Acq: 09 Aug 2019 18:44

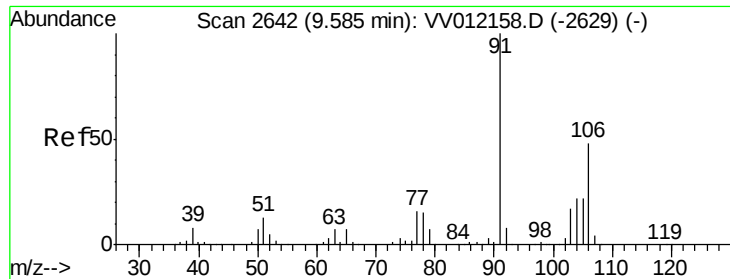
Tgt Ion: 106 Resp: 767311

Ion Ratio Lower Upper

106 100

91 197.8 140.6 261.2

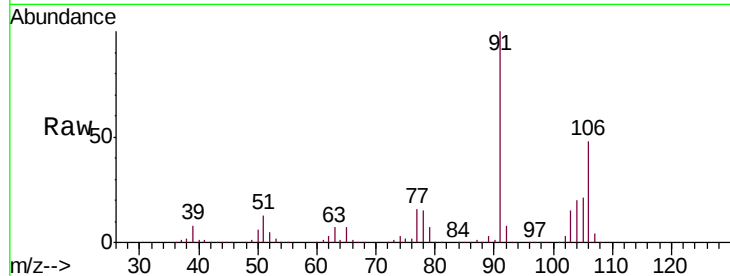




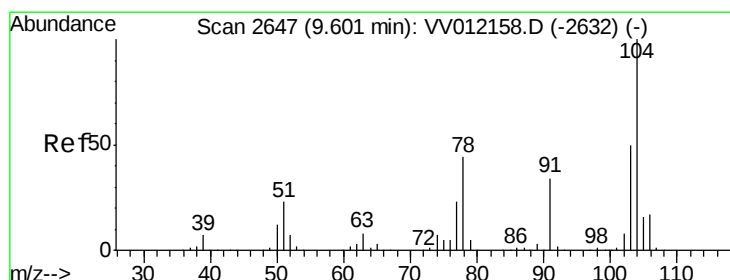
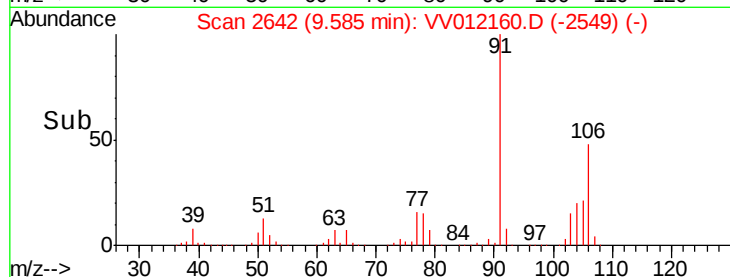
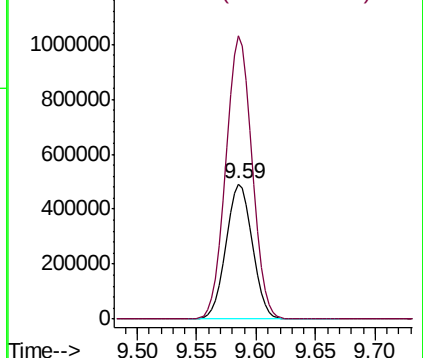
#54
o-xylene
Concen: 174.945 ug/L
RT: 9.59 min Scan# 2642
Delta R.T. -0.00 min
Lab File: VV012160.D
Acq: 09 Aug 2019 18:44

Instrument :
MSVOA_V
ClientSampleId :
VSTD20062

Tgt Ion:106 Resp: 755984
Ion Ratio Lower Upper
106 100
91 208.9 146.3 271.7

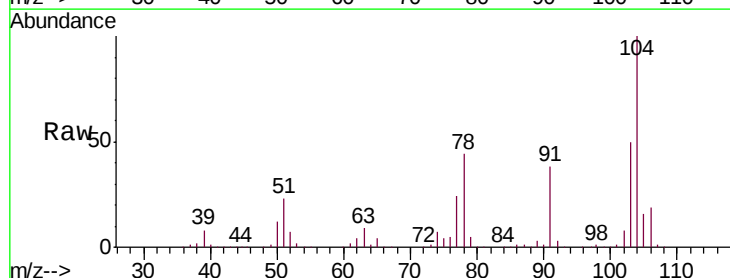


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0

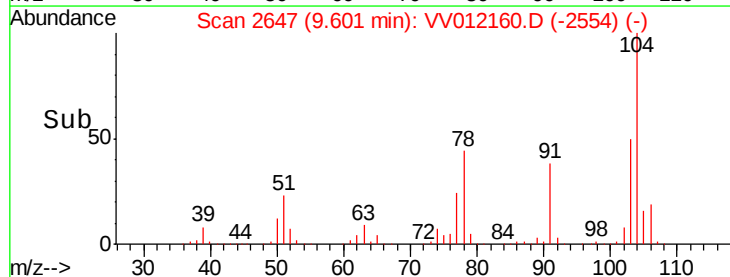
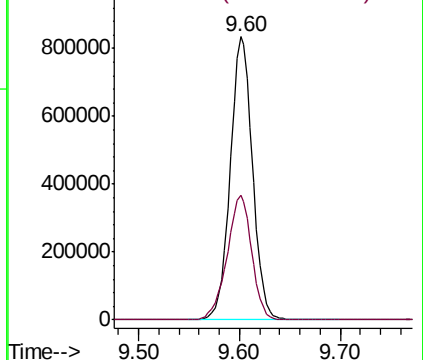


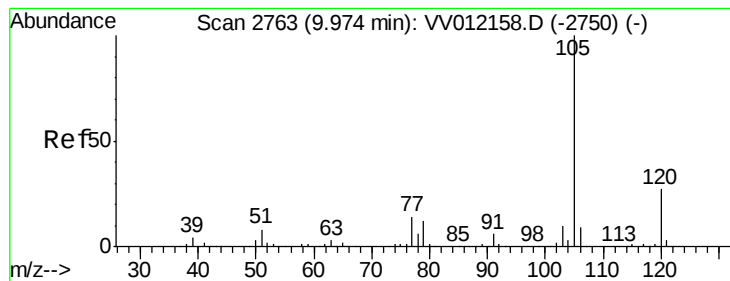
#55
Styrene
Concen: 178.973 ug/L
RT: 9.60 min Scan# 2647
Delta R.T. -0.00 min
Lab File: VV012160.D
Acq: 09 Aug 2019 18:44

Tgt Ion:104 Resp: 1284581
Ion Ratio Lower Upper
104 100
78 43.9 30.7 56.9



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 181.303 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. -0.00 min

Lab File: VV012160.D

Acq: 09 Aug 2019 18:44

Instrument :

MSVOA_V

ClientSampleId :

VSTD20062

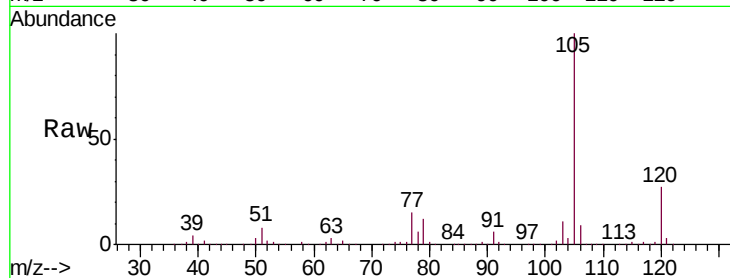
Tgt Ion:105 Resp: 2011597

Ion Ratio Lower Upper

105 100

120 27.2 21.4 32.0

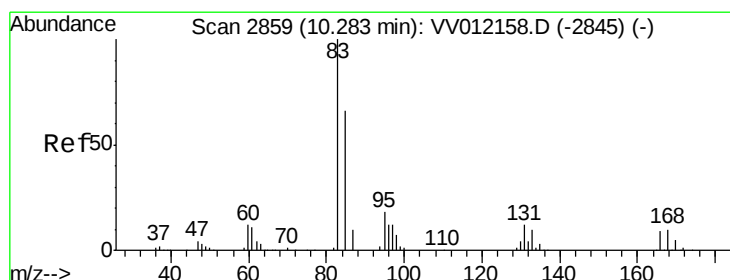
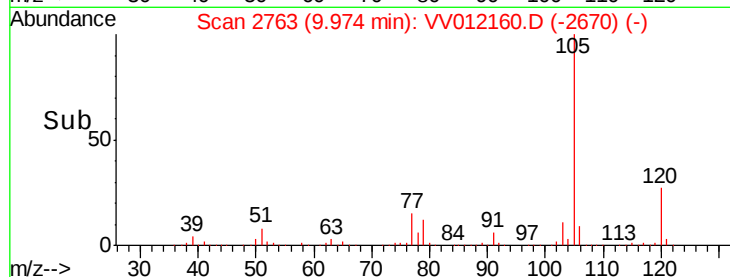
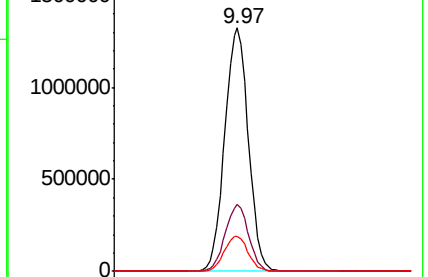
77 14.6 11.4 17.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 168.371 ug/L

RT: 10.28 min Scan# 2859

Delta R.T. -0.00 min

Lab File: VV012160.D

Acq: 09 Aug 2019 18:44

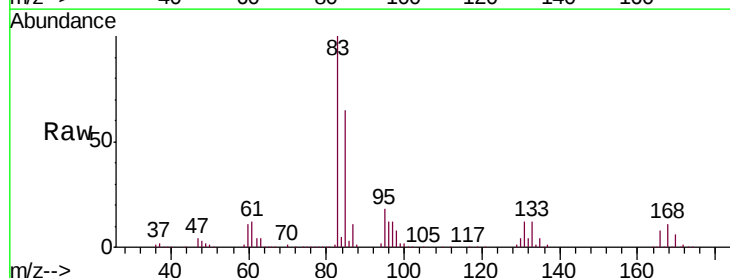
Tgt Ion: 83 Resp: 642078

Ion Ratio Lower Upper

83 100

85 64.9 46.3 85.9

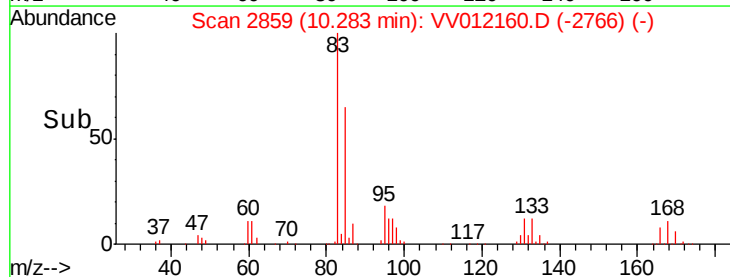
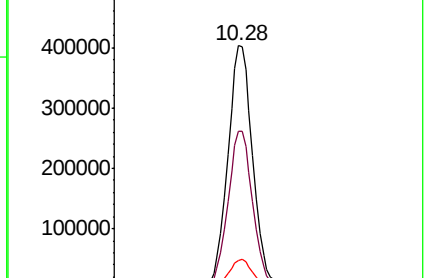
131 11.9 9.8 14.6

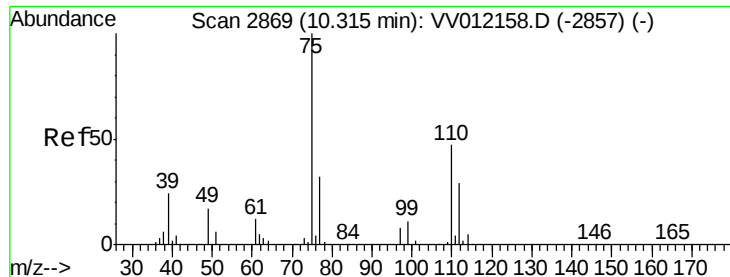


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V

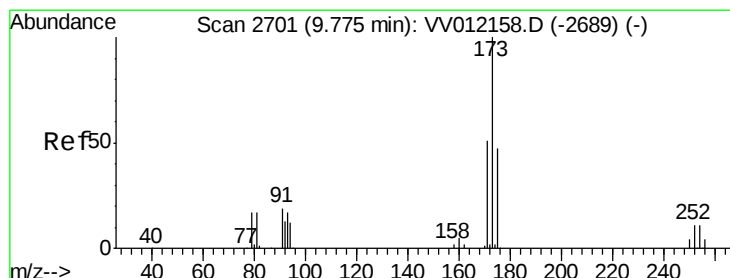
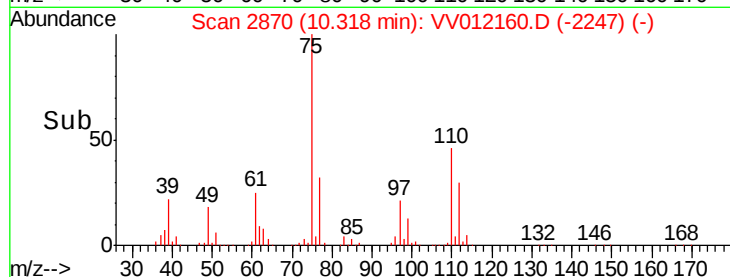
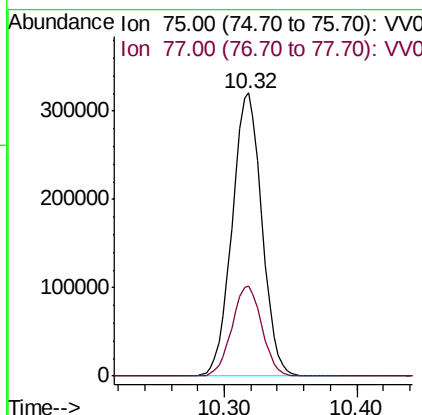
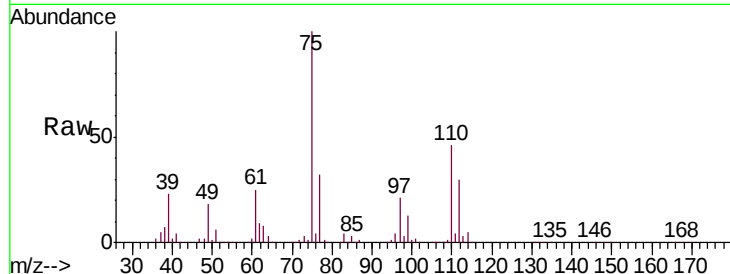




#59
 1,2,3-Trichloropropane
 Concen: 171.177 ug/L
 RT: 10.32 min Scan# 2870
 Delta R.T. 0.00 min
 Lab File: VV012160.D
 Acq: 09 Aug 2019 18:44

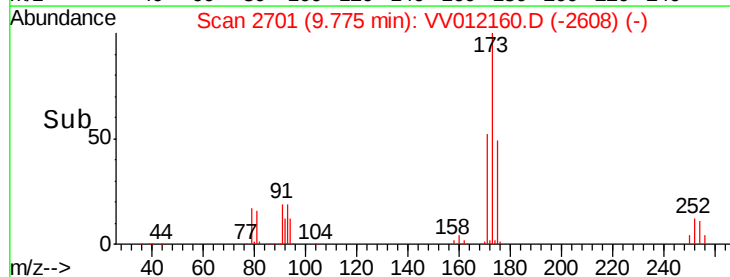
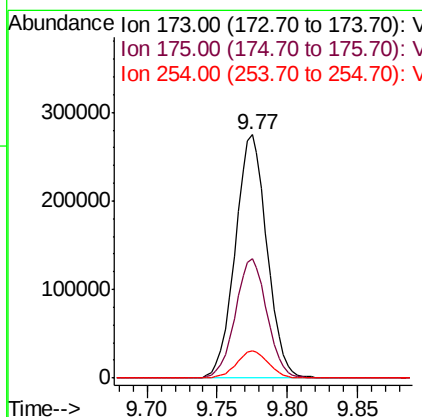
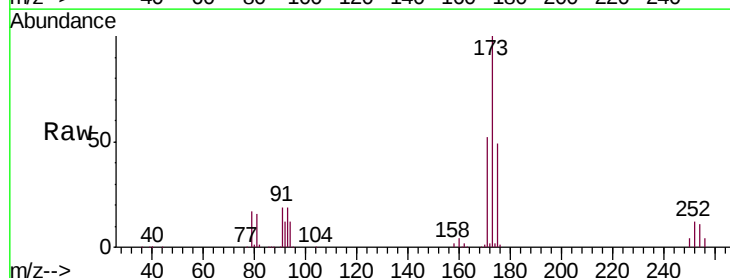
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD20062

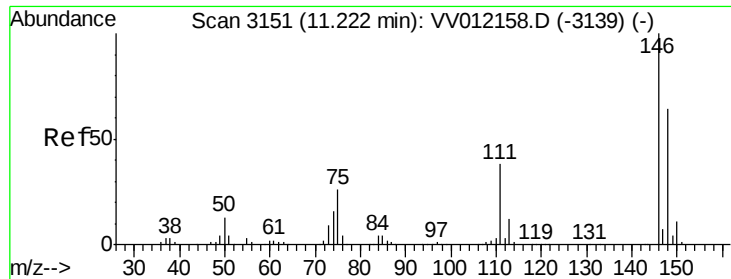
Tgt Ion: 75 Resp: 498808
 Ion Ratio Lower Upper
 75 100
 77 32.1 26.3 39.5



#61
 Bromoform
 Concen: 220.701 ug/L
 RT: 9.77 min Scan# 2701
 Delta R.T. -0.00 min
 Lab File: VV012160.D
 Acq: 09 Aug 2019 18:44

Tgt Ion: 173 Resp: 432459
 Ion Ratio Lower Upper
 173 100
 175 49.1 38.1 57.1
 254 11.2 8.5 12.7





#62

1,3-Dichlorobenzene

Concen: 180.988 ug/L

RT: 11.22 min Scan# 3152

Delta R.T. 0.00 min

Lab File: VV012160.D

Acq: 09 Aug 2019 18:44

Instrument :

MSVOA_V

ClientSampleId :

VSTD20062

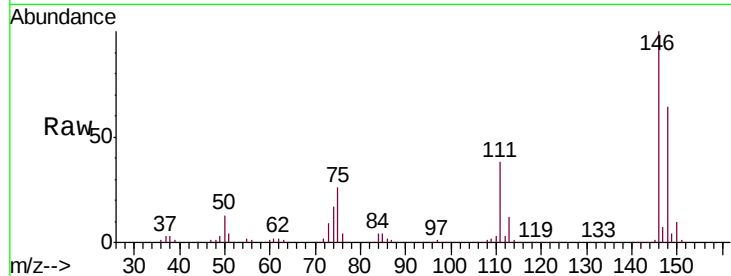
Tgt Ion:146 Resp: 1026227

Ion Ratio Lower Upper

146 100

111 37.7 26.3 48.9

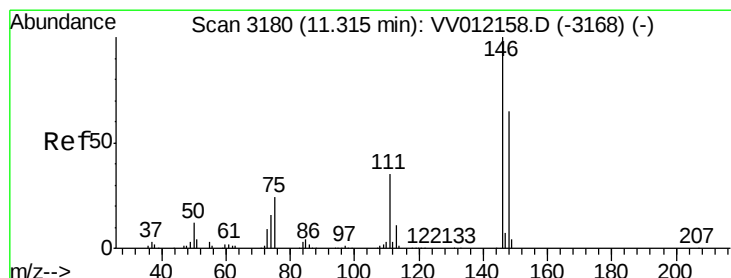
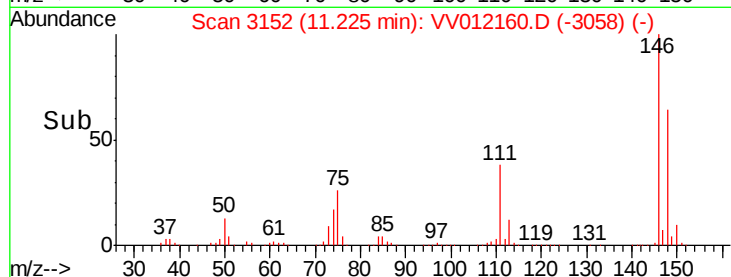
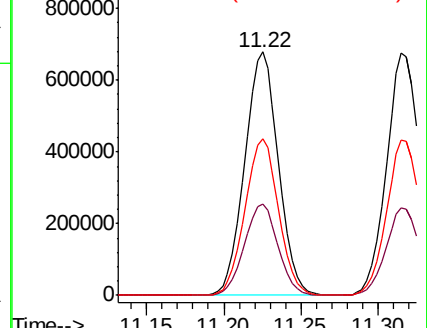
148 64.5 44.9 83.5



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 174.548 ug/L

RT: 11.31 min Scan# 3180

Delta R.T. -0.00 min

Lab File: VV012160.D

Acq: 09 Aug 2019 18:44

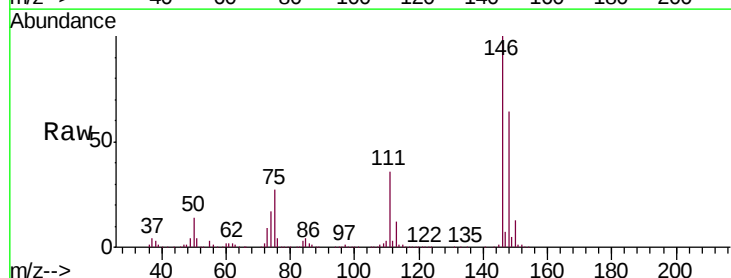
Tgt Ion:146 Resp: 1024715

Ion Ratio Lower Upper

146 100

111 36.1 24.8 46.1

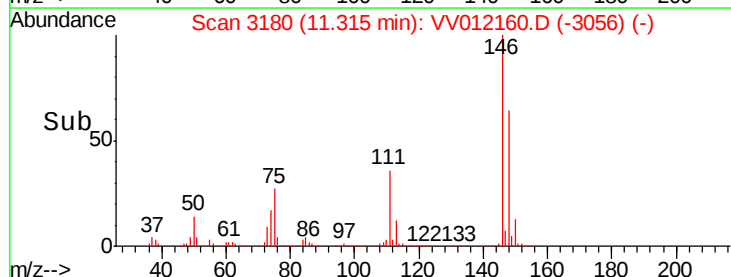
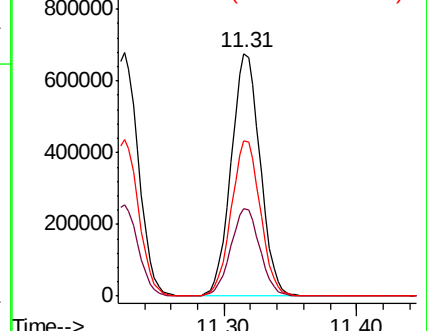
148 64.0 45.6 84.6

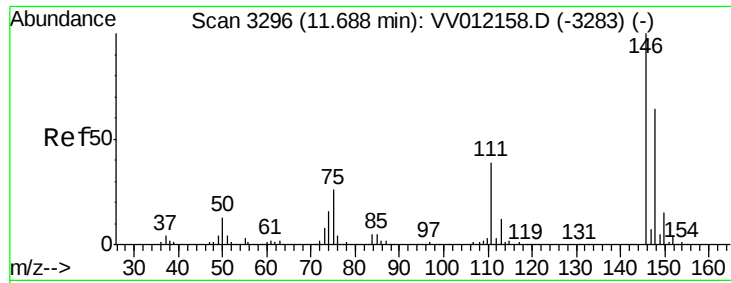


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 177.380 ug/L

RT: 11.69 min Scan# 3296

Delta R.T. -0.00 min

Lab File: VV012160.D

Acq: 09 Aug 2019 18:44

Instrument :

MSVOA_V

ClientSampled :

VSTD20062

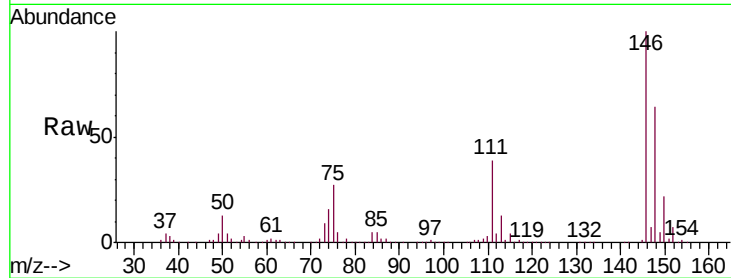
Tgt Ion:146 Resp: 1054400

Ion Ratio Lower Upper

146 100

111 38.7 31.2 46.8

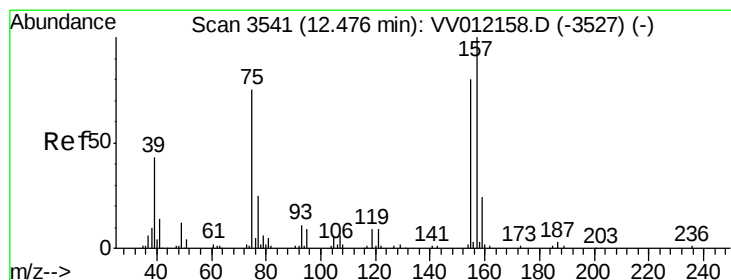
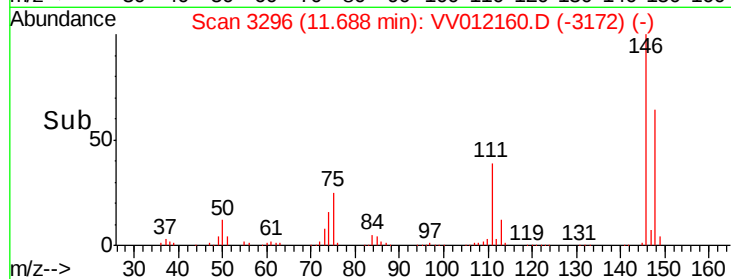
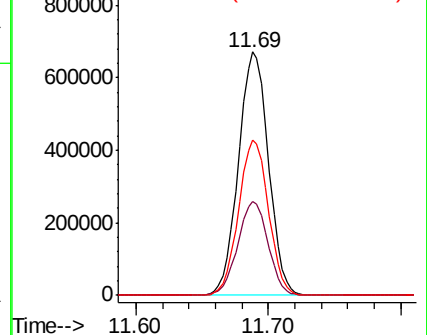
148 63.9 51.1 76.7



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 215.077 ug/L

RT: 12.47 min Scan# 3540

Delta R.T. -0.00 min

Lab File: VV012160.D

Acq: 09 Aug 2019 18:44

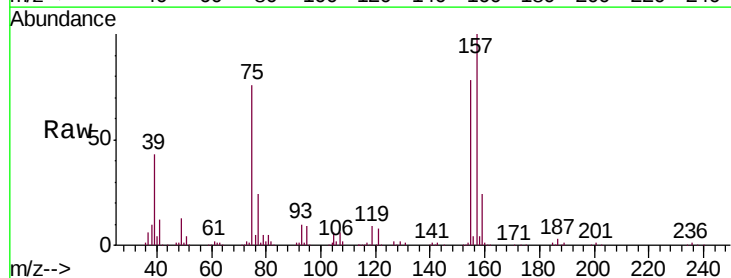
Tgt Ion: 75 Resp: 168622

Ion Ratio Lower Upper

75 100

155 102.5 85.7 128.5

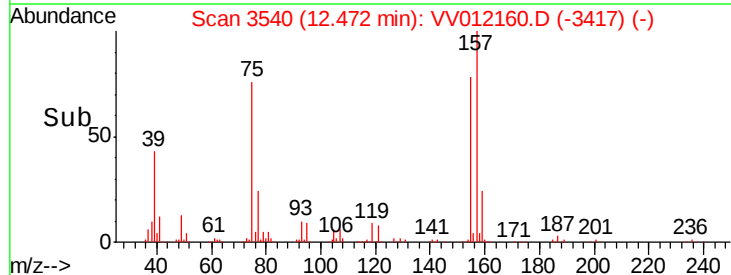
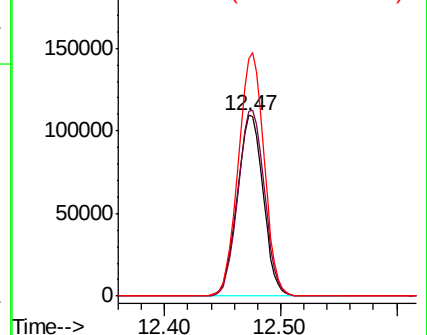
157 131.4 106.5 159.7

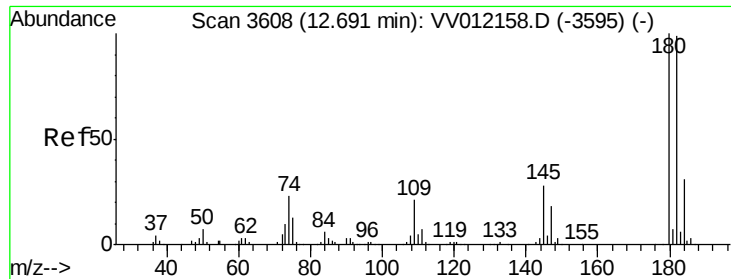


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

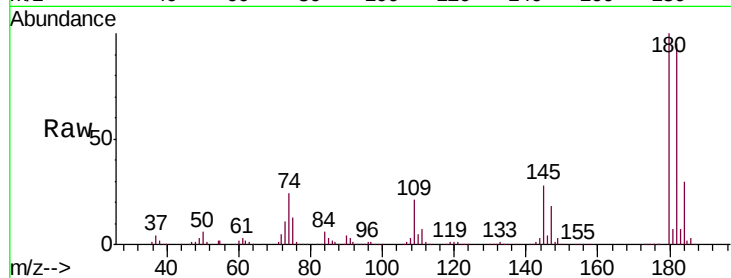




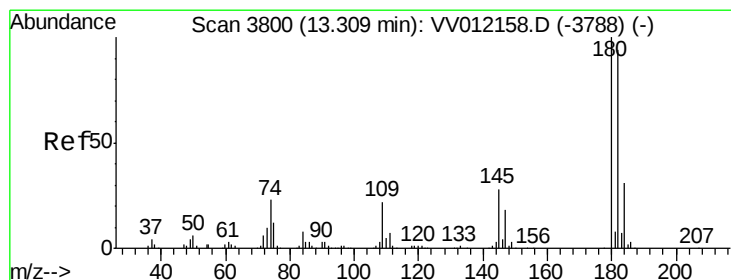
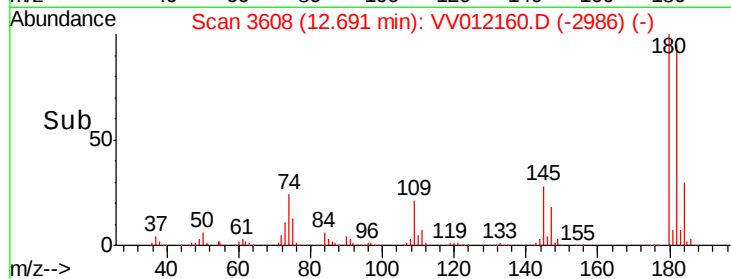
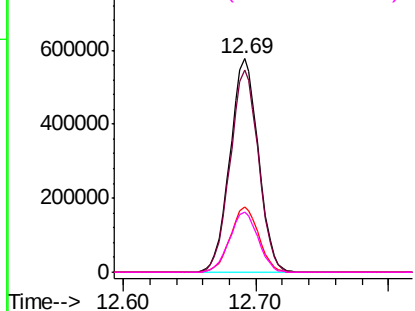
#67
 1,3,5-Trichlorobenzene
 Concen: 217.986 ug/L
 RT: 12.69 min Scan# 3608
 Delta R.T. -0.00 min
 Lab File: VV012160.D
 Acq: 09 Aug 2019 18:44

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD20062

Tgt Ion:180 Resp: 856222
 Ion Ratio Lower Upper
 180 100
 182 94.7 77.8 116.6
 184 30.4 24.9 37.3
 145 28.4 22.7 34.1

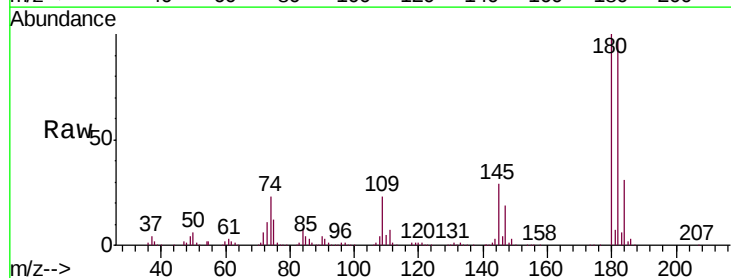


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

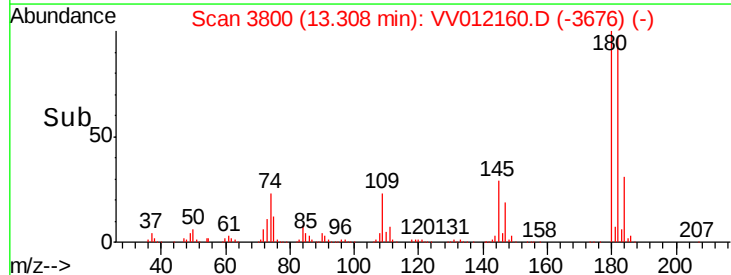
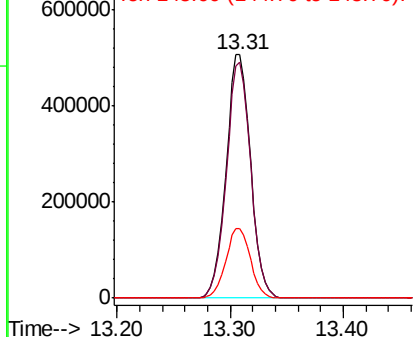


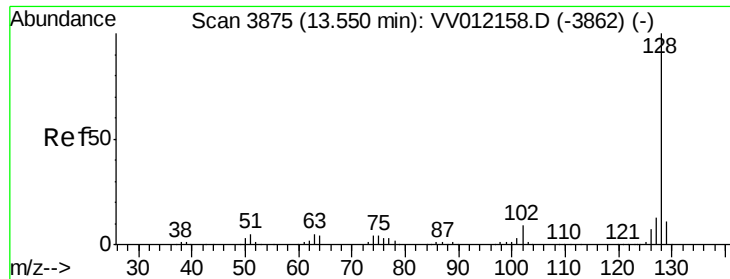
#68
 1,2,4-trichlorobenzene
 Concen: 238.649 ug/L
 RT: 13.31 min Scan# 3800
 Delta R.T. -0.00 min
 Lab File: VV012160.D
 Acq: 09 Aug 2019 18:44

Tgt Ion:180 Resp: 759848
 Ion Ratio Lower Upper
 180 100
 182 96.1 75.3 112.9
 145 28.9 23.0 34.4



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





#69

Naphthalene

Concen: 260.803 ug/L

RT: 13.55 min Scan# 3875

Delta R.T. -0.00 min

Lab File: VV012160.D

Acq: 09 Aug 2019 18:44

Instrument :

MSVOA_V

ClientSampleId :

VSTD20062

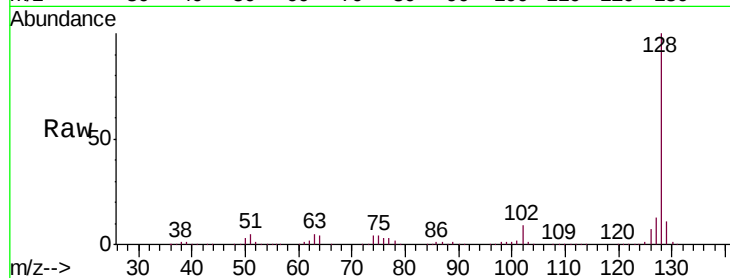
Tgt Ion:128 Resp: 2213134

Ion Ratio Lower Upper

128 100

127 13.1 10.3 15.5

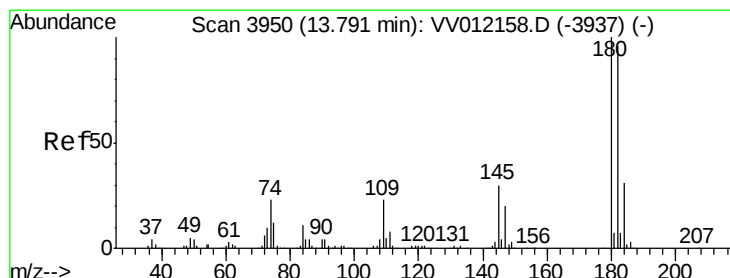
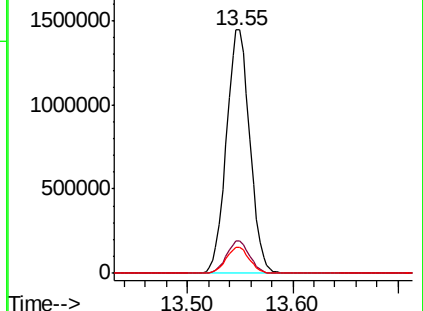
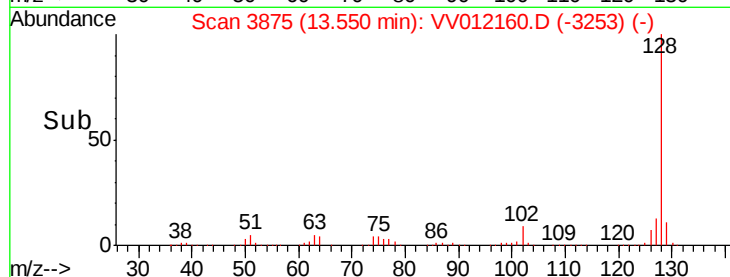
129 10.8 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 237.134 ug/L

RT: 13.79 min Scan# 3950

Delta R.T. -0.00 min

Lab File: VV012160.D

Acq: 09 Aug 2019 18:44

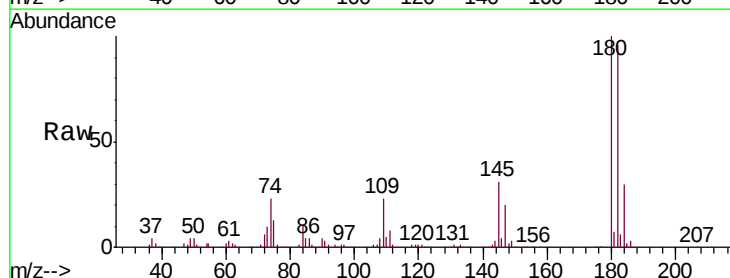
Tgt Ion:180 Resp: 764643

Ion Ratio Lower Upper

180 100

182 95.8 77.3 115.9

145 31.0 24.9 37.3



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

