

Data File : VV012757.D
Acq On : 14 Sep 2019 04:51
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD05069

Quant Time: Sep 14 05:32:26 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM091319WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Sep 14 00:58:35 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	808403	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	764683	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	368424	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	189063	41.27	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	82.54%
7) Chloroethane-d5	1.58	69	179100	43.68	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	87.36%
11) 1,1-Dichloroethene-d2	2.13	63	390098	43.77	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.54%
21) 2-Butanone-d5	3.92	46	483236	101.71	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	101.71%
24) Chloroform-d	4.40	84	526947	46.42	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.84%
26) 1,2-Dichloroethane-d4	5.08	65	321560	46.70	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.40%
32) Benzene-d6	5.10	84	967999	47.44	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.88%
36) 1,2-Dichloropropane-d6	6.12	67	342750	47.60	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.20%
41) Toluene-d8	7.36	98	896428	48.02	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.04%
43) trans-1,3-Dichloropropene-	7.66	79	137928	45.98	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.96%
47) 2-Hexanone-d5	8.13	63	294589	106.64	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	106.64%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	453720	49.26	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.52%
64) 1,2-Dichlorobenzene-d4	11.67	152	402638	47.88	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.76%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.14	85	244633	45.200	ug/L	100
3) Chloromethane	1.25	50	256473	45.414	ug/L	98
5) Vinyl chloride	1.32	62	264789	46.893	ug/L	98
6) Bromomethane	1.52	94	153006	48.176	ug/L	100
8) Chloroethane	1.60	64	169915	48.172	ug/L	100
9) Trichlorofluoromethane	1.77	101	368043	46.450	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	222591	45.507	ug/L	99
12) 1,1-Dichloroethene	2.14	96	200532	47.059	ug/L	99
13) Acetone	2.18	43	267999	68.335	ug/L	98
14) Carbon disulfide	2.32	76	416345	44.772	ug/L	100
15) Methyl Acetate	2.45	43	306203	49.186	ug/L	100
16) Methylene chloride	2.53	84	261431	46.758	ug/L	99
17) trans-1,2-Dichloroethene	2.79	96	216169	46.409	ug/L	98
18) Methyl tert-butyl Ether	2.80	73	785110	48.866	ug/L	99
19) 1,1-Dichloroethane	3.23	63	476291	47.306	ug/L	98
20) cis-1,2-Dichloroethene	3.96	96	273451	47.448	ug/L	100
22) 2-Butanone	4.01	43	443116	90.938	ug/L	99

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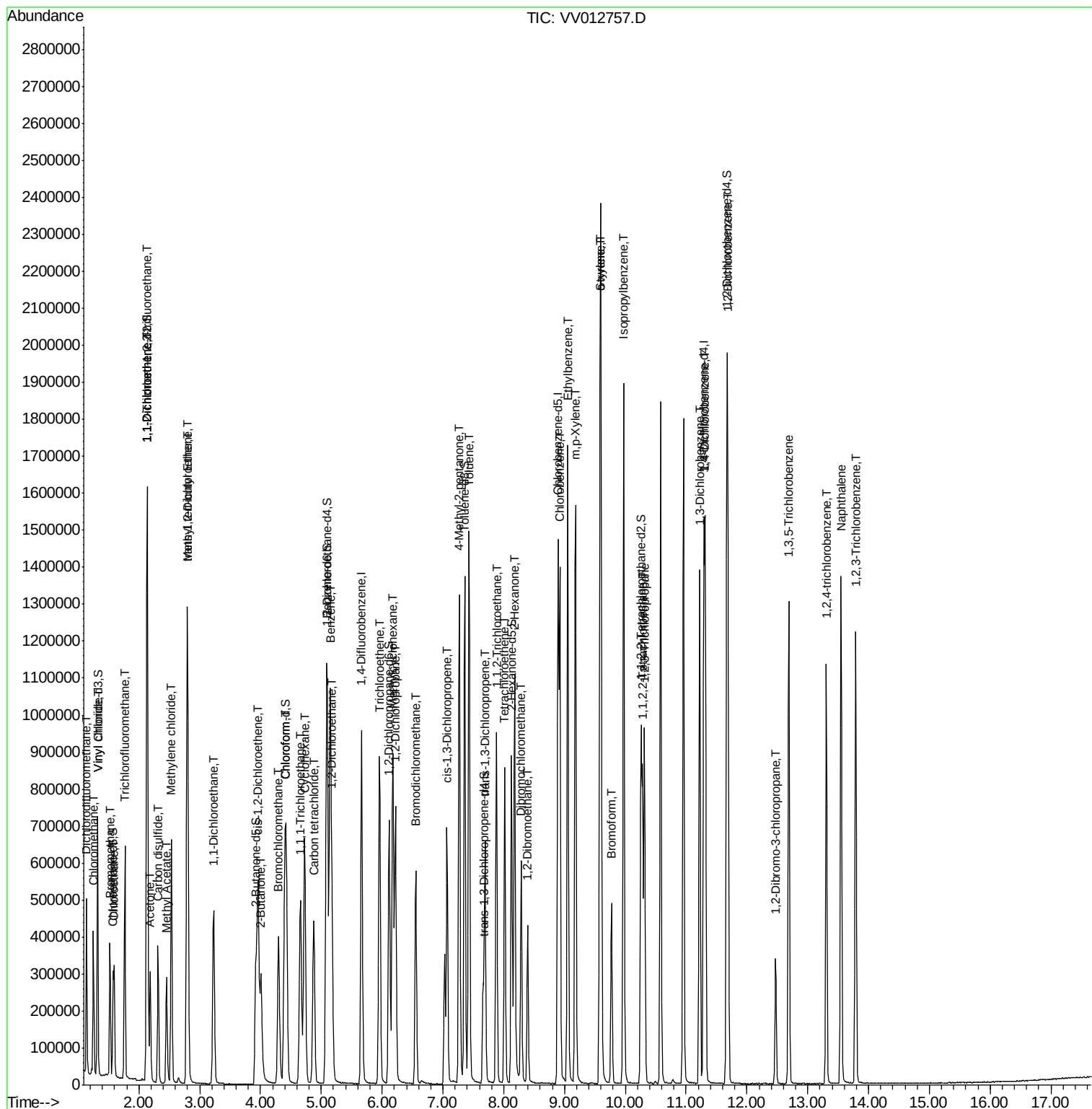
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	137521	46.968	ug/L	96
25) Chloroform	4.42	83	496339	46.925	ug/L	97
27) 1,2-Dichloroethane	5.18	62	373919	47.232	ug/L	99
29) Cyclohexane	4.73	56	356701	49.137	ug/L	98
30) 1,1,1-Trichloroethane	4.66	97	385650	48.231	ug/L	99
31) Carbon tetrachloride	4.87	117	330696	48.033	ug/L	100
33) Benzene	5.14	78	1028317	49.439	ug/L	100
34) Trichloroethene	5.96	95	287377	47.529	ug/L	99
35) Methylcyclohexane	6.18	83	359818	47.175	ug/L	99
37) 1,2-Dichloropropane	6.22	63	288396	48.214	ug/L	99
38) Bromodichloromethane	6.55	83	370769	48.154	ug/L	98
39) cis-1,3-Dichloropropene	7.07	75	402867	48.106	ug/L	100
40) 4-Methyl-2-pentanone	7.27	43	873205	105.481	ug/L	100
42) Toluene	7.43	91	1087413	50.343	ug/L	99
44) trans-1,3-Dichloropropene	7.69	75	349002	47.268	ug/L	100
45) 1,1,2-Trichloroethane	7.88	97	286032	49.011	ug/L	99
46) Tetrachloroethene	8.02	164	195245	46.554	ug/L	99
48) 2-Hexanone	8.18	43	704350	104.867	ug/L	99
49) Dibromochloromethane	8.29	129	301120	49.243	ug/L	98
50) 1,2-Dibromoethane	8.39	107	277089	49.284	ug/L	100
51) Chlorobenzene	8.92	112	717737	48.499	ug/L	99
52) Ethylbenzene	9.05	91	1187958	50.027	ug/L	100
53) m,p-Xylene	9.18	106	446328	51.037	ug/L	99
54) o-xylene	9.59	106	449913	50.678	ug/L	97
55) Styrene	9.60	104	786142	52.208	ug/L	99
56) Isopropylbenzene	9.97	105	1195845	51.266	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.28	83	397569	49.890	ug/L	99
59) 1,2,3-Trichloropropane	10.31	75	375581	49.331	ug/L	100
61) Bromoform	9.77	173	213076	47.895	ug/L	100
62) 1,3-Dichlorobenzene	11.22	146	555166	48.786	ug/L	99
63) 1,4-Dichlorobenzene	11.31	146	564306	48.343	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	595161	49.741	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.47	75	78012	48.839	ug/L	97
67) 1,3,5-Trichlorobenzene	12.69	180	403098	47.948	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	344923	48.558	ug/L	100
69) Naphthalene	13.55	128	1046511	50.963	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	382566	49.614	ug/L	99

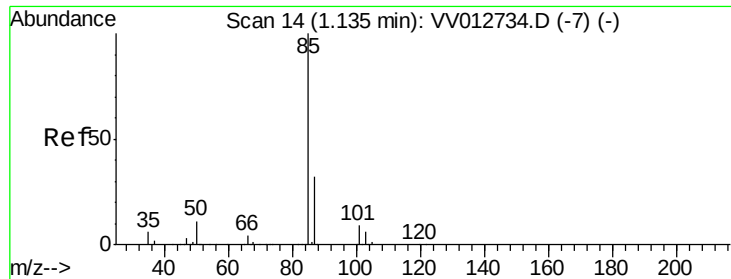
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 45.200 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV012757.D

Acq: 14 Sep 2019 04:51

Instrument :

MSVOA_V

ClientSampleId :

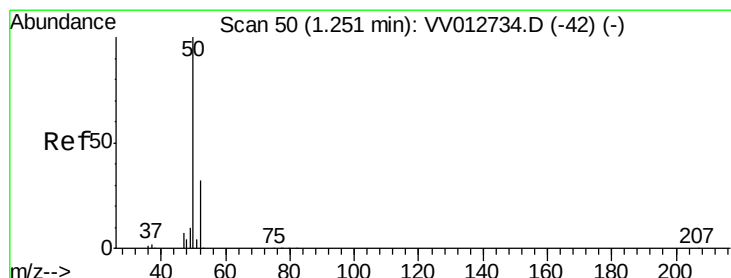
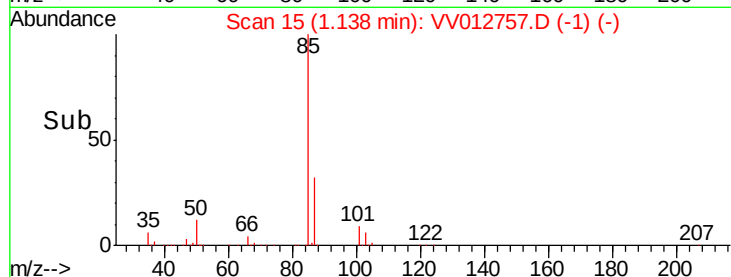
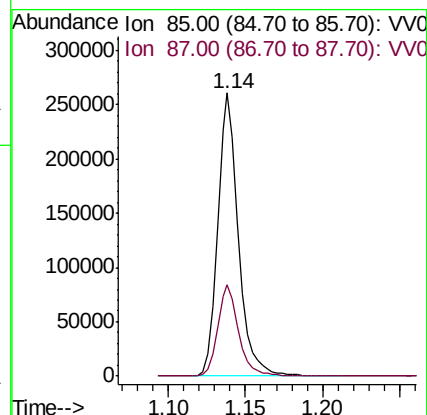
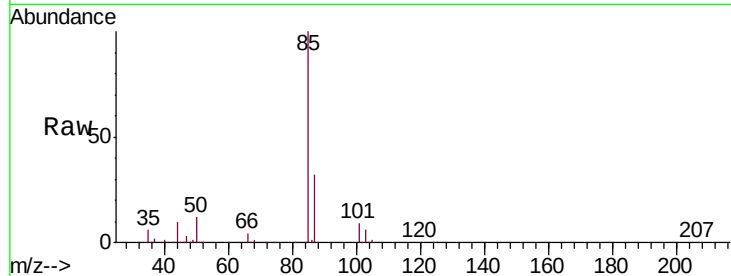
VSTD05069

Tgt Ion: 85 Resp: 244633

Ion Ratio Lower Upper

85 100

87 32.4 25.8 38.6



#3

Chloromethane

Concen: 45.414 ug/L

RT: 1.25 min Scan# 50

Delta R.T. -0.00 min

Lab File: VV012757.D

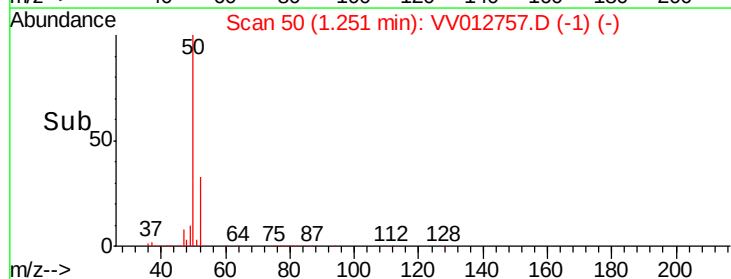
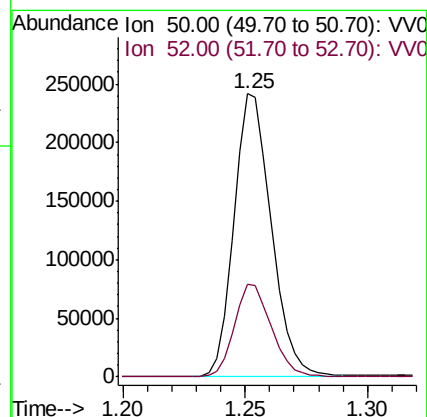
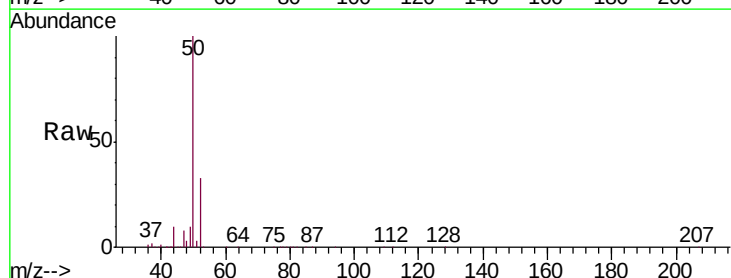
Acq: 14 Sep 2019 04:51

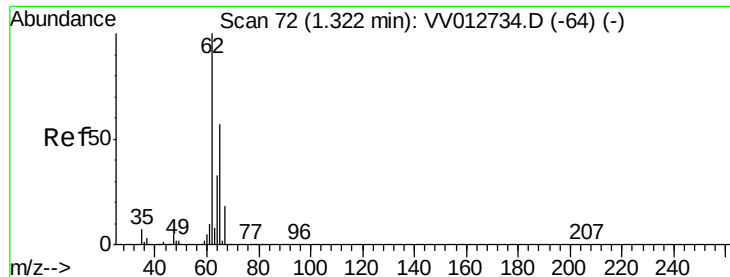
Tgt Ion: 50 Resp: 256473

Ion Ratio Lower Upper

50 100

52 32.5 23.4 43.4





#5

Vinyl chloride

Concen: 46.893 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV012757.D

Acq: 14 Sep 2019 04:51

Instrument :

MSVOA_V

ClientSampleId :

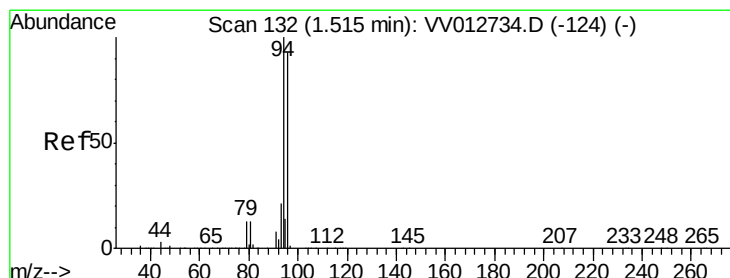
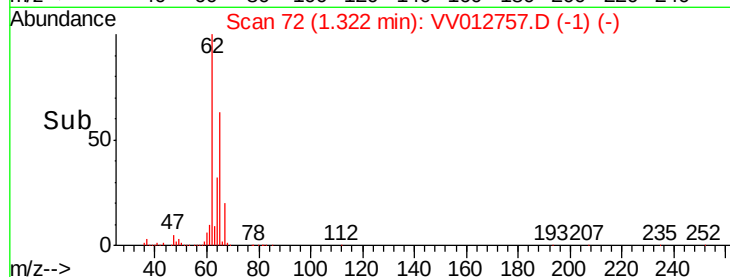
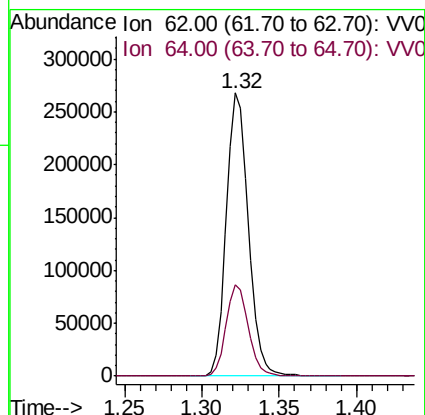
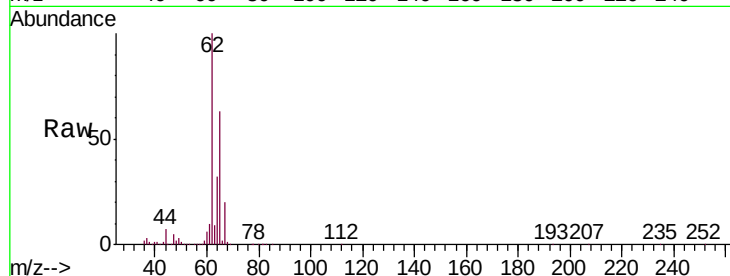
VSTD05069

Tgt Ion: 62 Resp: 264789

Ion Ratio Lower Upper

62 100

64 32.3 23.2 43.2



#6

Bromomethane

Concen: 48.176 ug/L

RT: 1.52 min Scan# 135

Delta R.T. 0.01 min

Lab File: VV012757.D

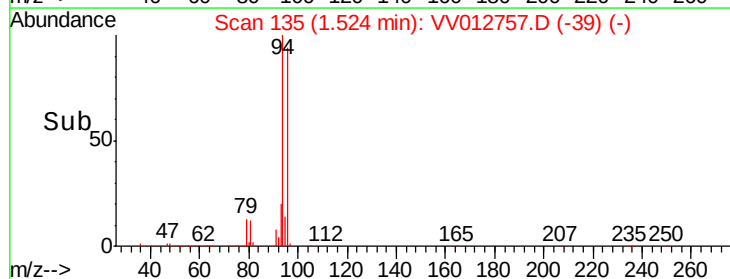
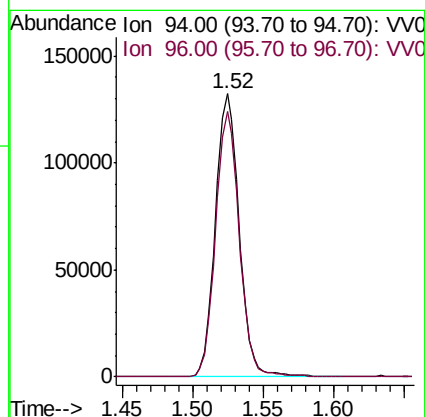
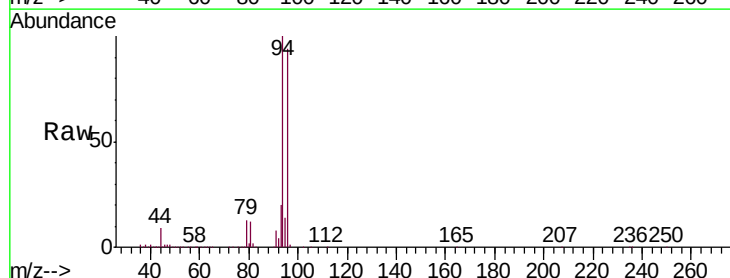
Acq: 14 Sep 2019 04:51

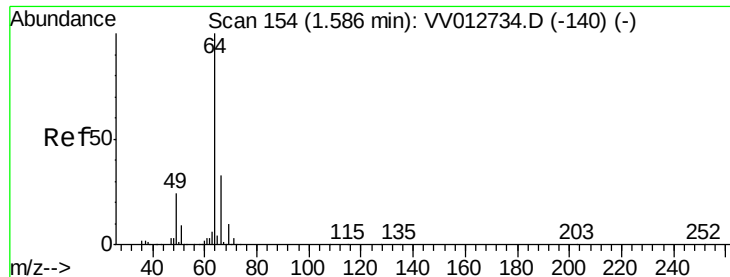
Tgt Ion: 94 Resp: 153006

Ion Ratio Lower Upper

94 100

96 93.6 65.9 122.3





#8

Chloroethane

Concen: 48.172 ug/L

RT: 1.60 min Scan# 157

Delta R.T. 0.01 min

Lab File: VV012757.D

Acq: 14 Sep 2019 04:51

Instrument :

MSVOA_V

ClientSampleId :

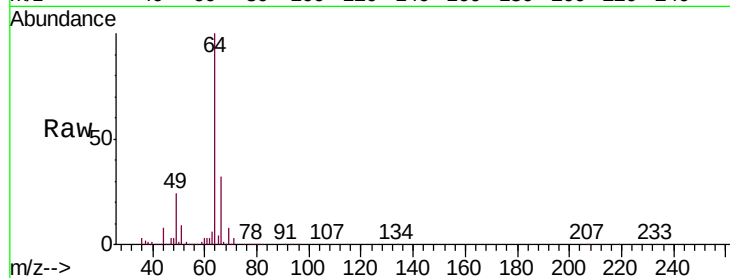
VSTD05069

Tgt Ion: 64 Resp: 169915

Ion Ratio Lower Upper

64 100

66 31.7 22.4 41.6



Abundance Ion 64.00 (63.70 to 64.70): VV012734.D (-140) (-)

Ion 66.00 (65.70 to 66.70): VV012734.D (-140) (-)

1.60

150000

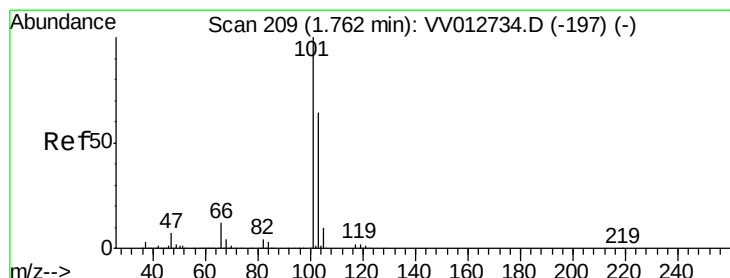
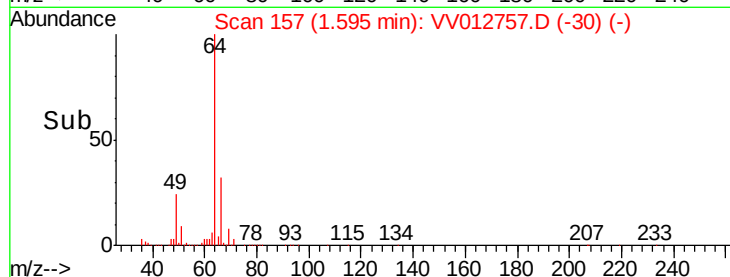
100000

50000

0

Time-->

1.55 1.60 1.65



#9

Trichlorofluoromethane

Concen: 46.450 ug/L

RT: 1.77 min Scan# 211

Delta R.T. 0.01 min

Lab File: VV012757.D

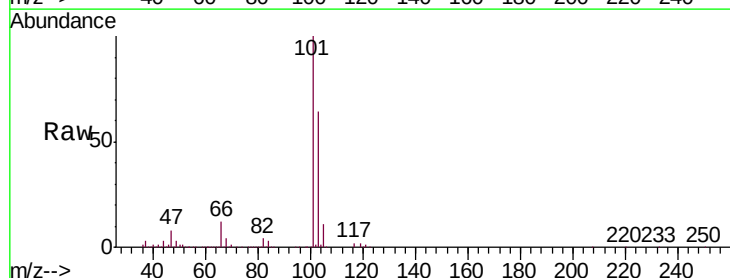
Acq: 14 Sep 2019 04:51

Tgt Ion: 101 Resp: 368043

Ion Ratio Lower Upper

101 100

103 64.2 51.4 77.2



Abundance Ion 101.00 (100.70 to 101.70): VV012734.D (-197) (-)

Ion 103.00 (102.70 to 103.70): VV012734.D (-197) (-)

1.77

300000

250000

200000

150000

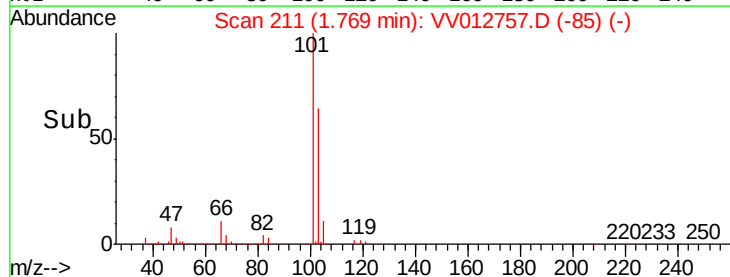
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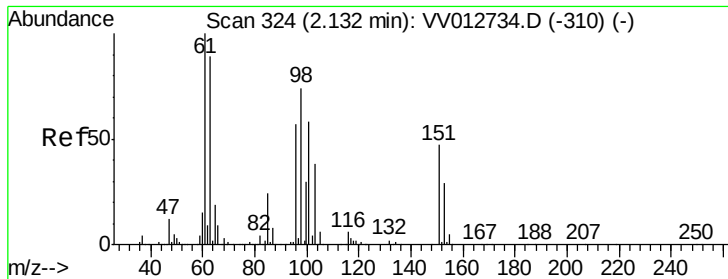
50000

0

Time-->

1.70 1.75 1.80 1.85





#10

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

Concen: 45.507 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.01 min

Lab File: VV012757.D

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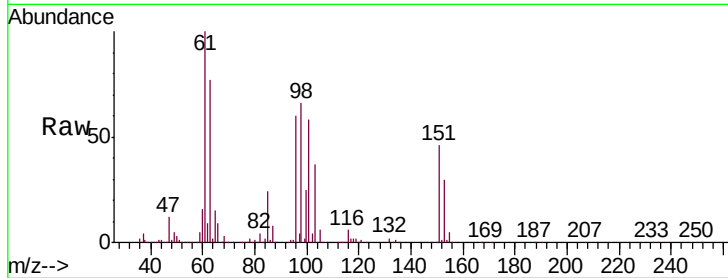
Tgt Ion: 101 Resp: 222591

Ion Ratio Lower Upper

101 100

85 41.8 32.7 49.1

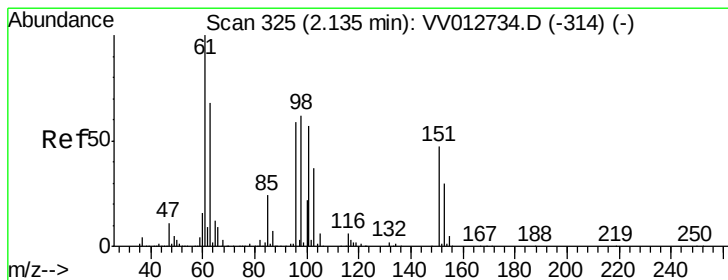
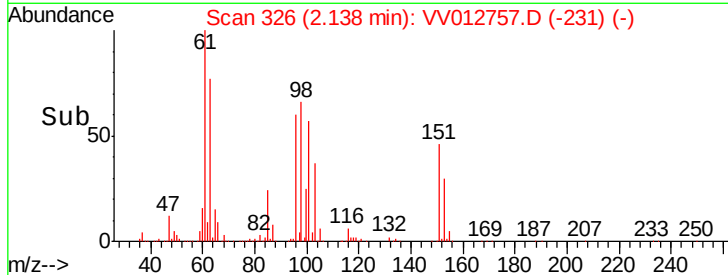
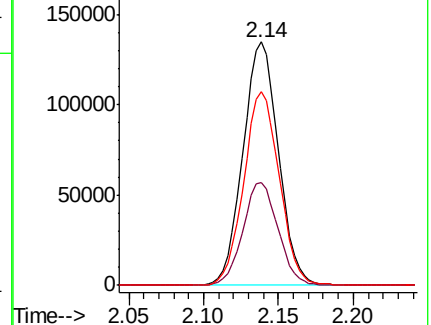
151 80.3 65.0 97.4



Abundance Ion 101.00 (100.70 to 101.70): VV012734.D (-310) (-)

Ion 85.00 (84.70 to 85.70): VV012734.D (-310) (-)

Ion 151.00 (150.70 to 151.70): VV012734.D (-310) (-)



#12

1,1-Dichloroethene

Concen: 47.059 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV012757.D

Acq: 14 Sep 2019 04:51

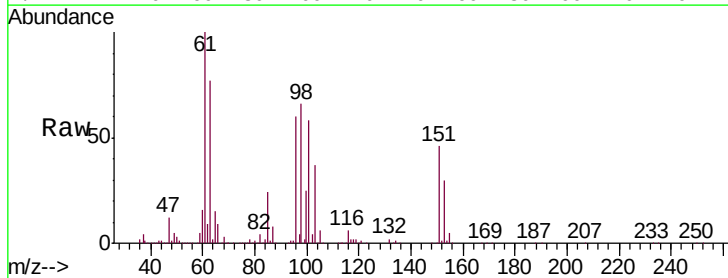
Tgt Ion: 96 Resp: 200532

Ion Ratio Lower Upper

96 100

61 166.0 118.0 219.2

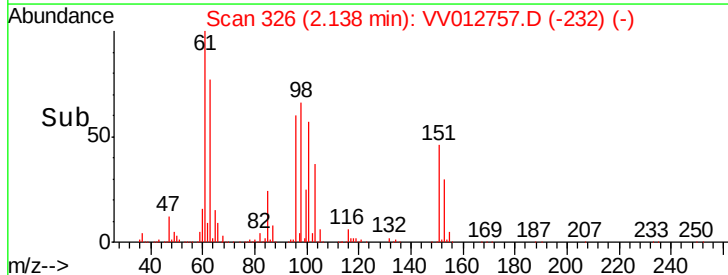
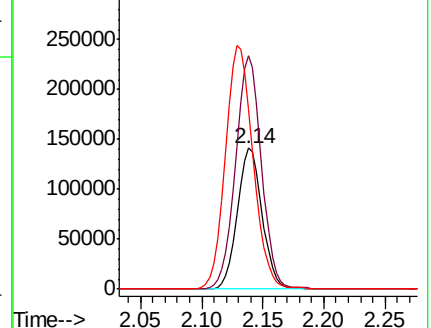
63 127.9 89.2 165.6

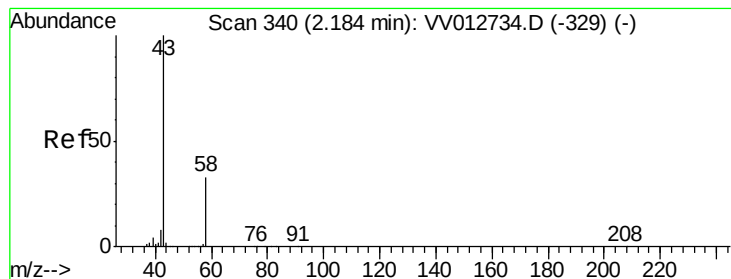


Abundance Ion 96.00 (95.70 to 96.70): VV012734.D (-314) (-)

Ion 61.00 (60.70 to 61.70): VV012734.D (-314) (-)

Ion 63.00 (62.70 to 63.70): VV012734.D (-314) (-)





#13

Acetone

Concen: 68.335 ug/L

RT: 2.18 min Scan# 340

Delta R.T. -0.00 min

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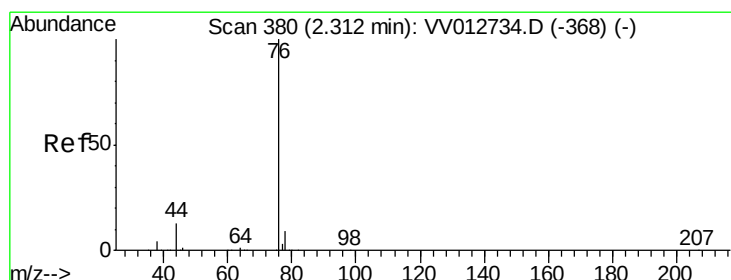
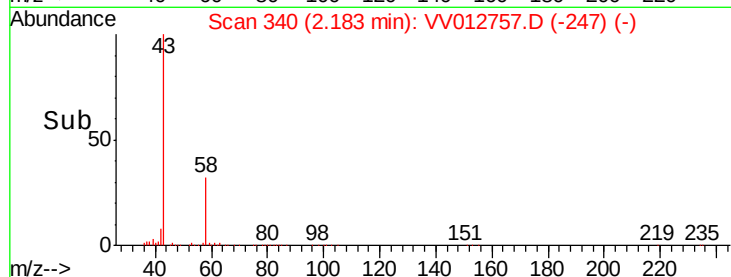
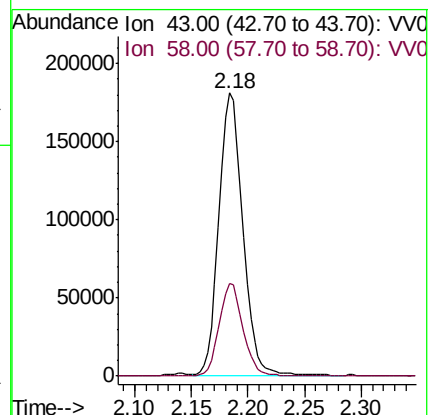
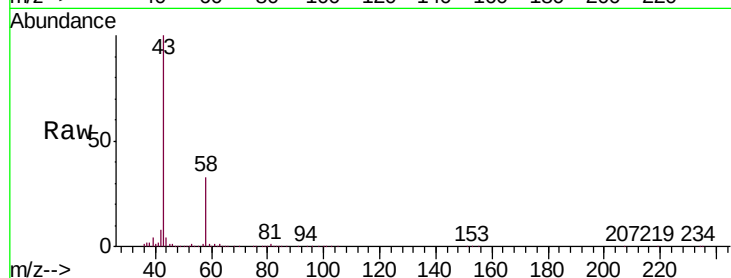
VSTD05069

Tgt Ion: 43 Resp: 267999

Ion Ratio Lower Upper

43 100

58 32.2 0.0 66.4



#14

Carbon disulfide

Concen: 44.772 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

Lab File: VV012757.D

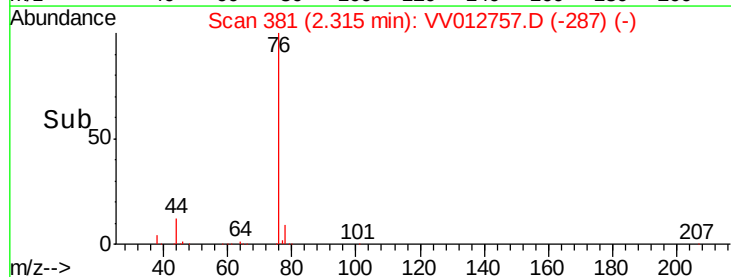
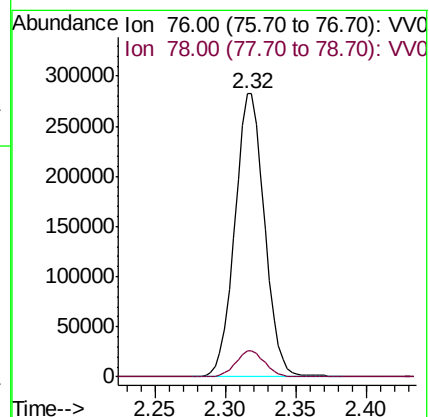
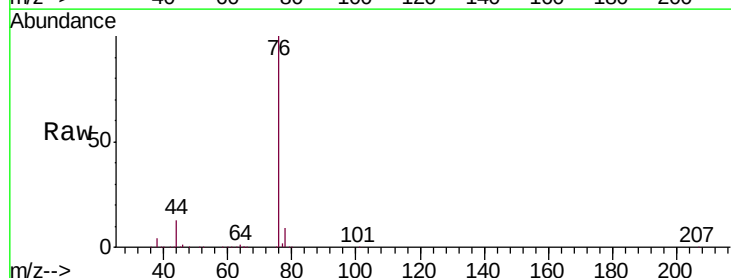
Acq: 14 Sep 2019 04:51

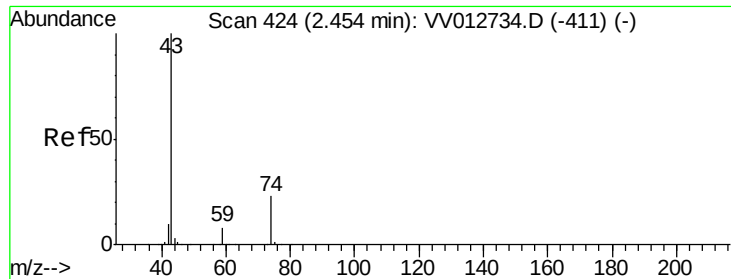
Tgt Ion: 76 Resp: 416345

Ion Ratio Lower Upper

76 100

78 9.1 7.2 10.8

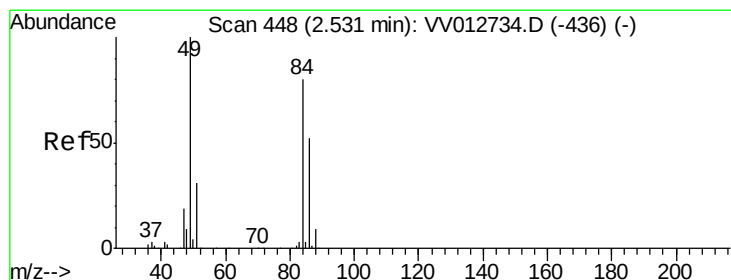
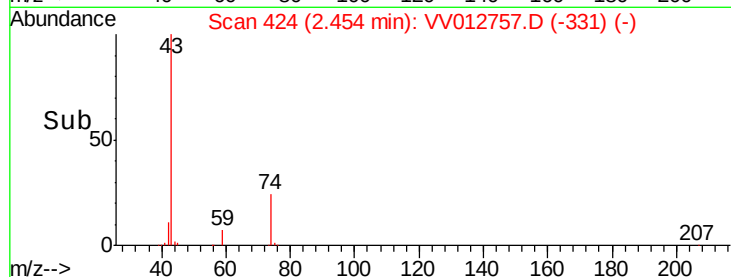
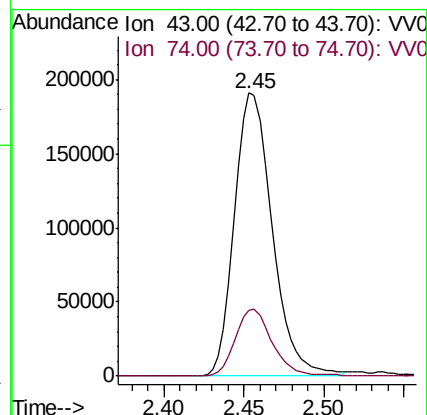
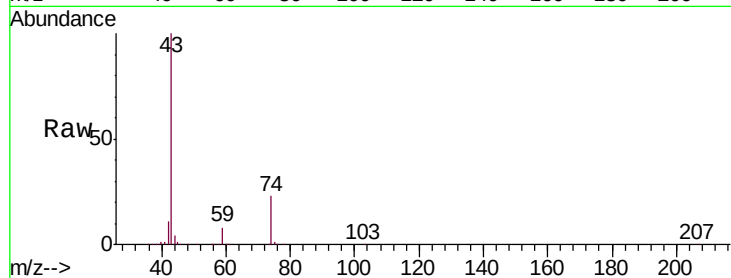




#15
Methyl Acetate
Concen: 49.186 ug/L
RT: 2.45 min Scan# 424
Delta R.T. -0.00 min
Lab File: VV012757.D
Acq: 14 Sep 2019 04:51

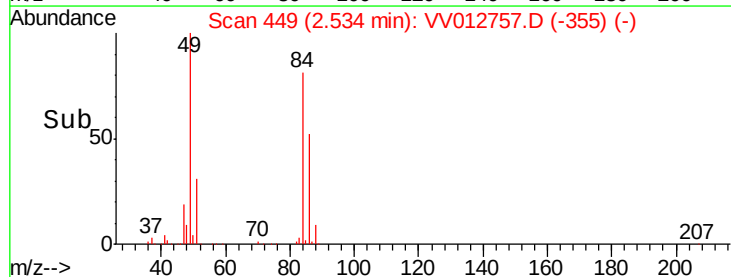
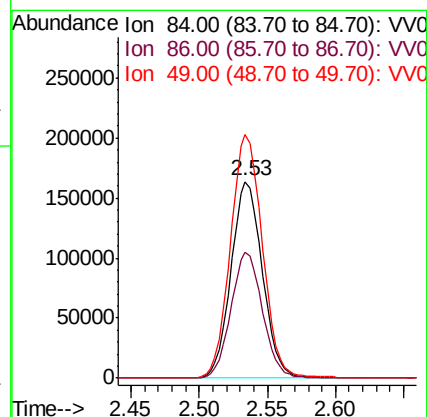
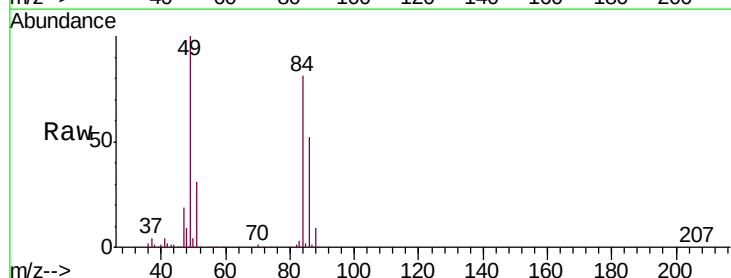
Instrument :
MSVOA_V
ClientSampleId :
VSTD05069

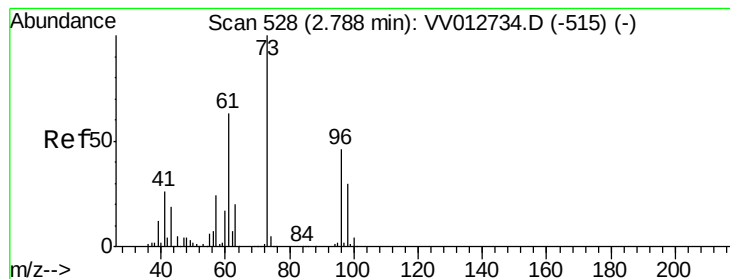
Tgt Ion: 43 Resp: 306203
Ion Ratio Lower Upper
43 100
74 23.0 18.6 27.8



#16
Methylene chloride
Concen: 46.758 ug/L
RT: 2.53 min Scan# 449
Delta R.T. 0.00 min
Lab File: VV012757.D
Acq: 14 Sep 2019 04:51

Tgt Ion: 84 Resp: 261431
Ion Ratio Lower Upper
84 100
86 64.0 44.0 81.8
49 124.1 86.2 160.0





#17

trans-1,2-Dichloroethene

Concen: 46.409 ug/L

RT: 2.79 min Scan# 529

Delta R.T. 0.00 min

Lab File: VV012757.D

Acq: 14 Sep 2019 04:51

Instrument :

MSVOA_V

ClientSampleId :

VSTD05069

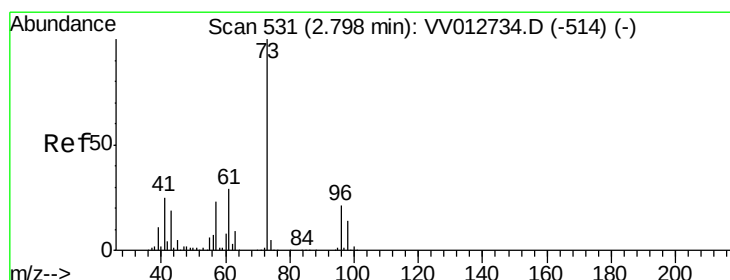
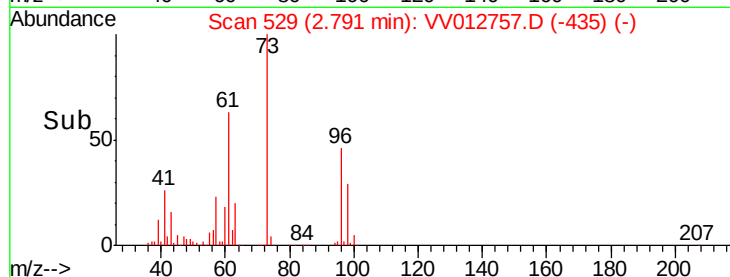
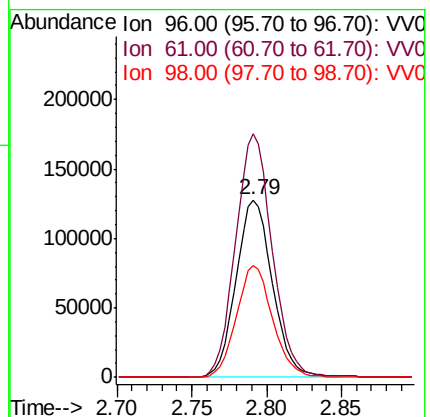
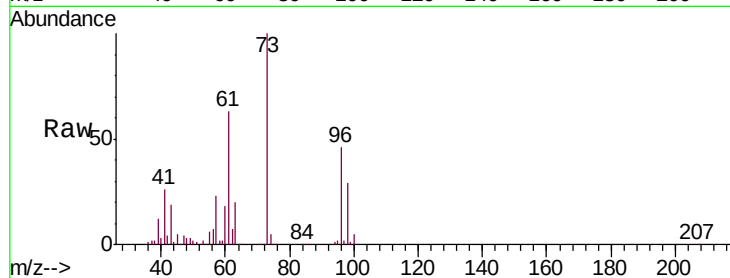
Tgt Ion: 96 Resp: 216169

Ion Ratio Lower Upper

96 100

61 137.0 98.3 182.5

98 63.2 45.0 83.6



#18

Methyl tert-butyl Ether

Concen: 48.866 ug/L

RT: 2.80 min Scan# 532

Delta R.T. 0.00 min

Lab File: VV012757.D

Acq: 14 Sep 2019 04:51

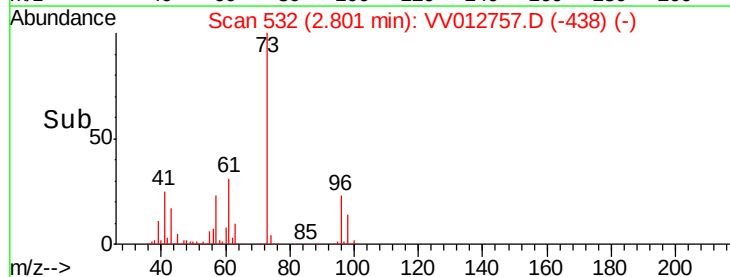
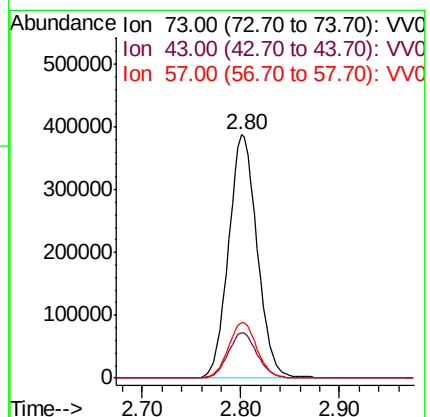
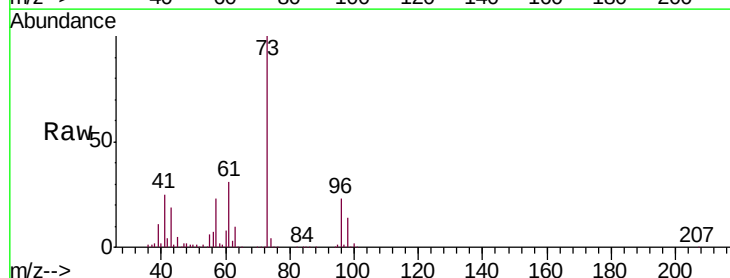
Tgt Ion: 73 Resp: 785110

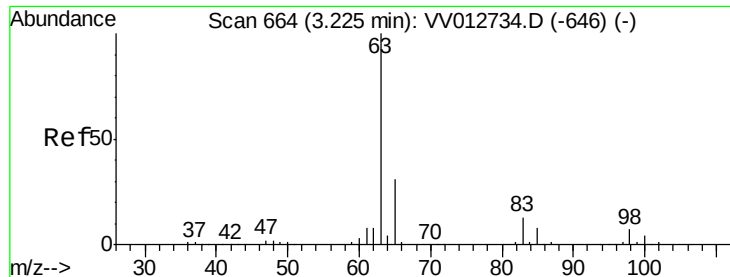
Ion Ratio Lower Upper

73 100

43 18.7 15.4 23.2

57 22.9 18.4 27.6

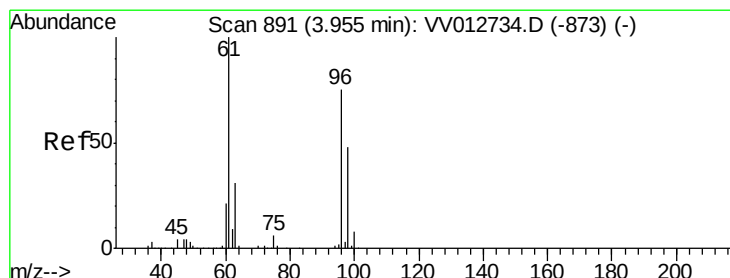
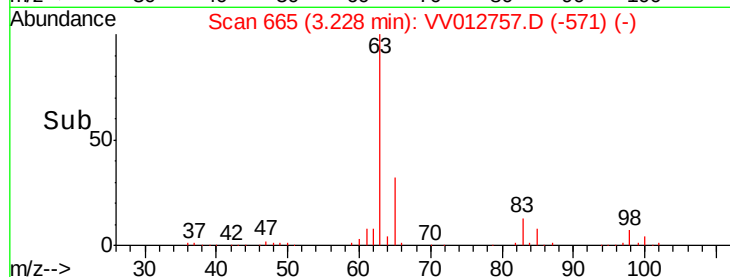
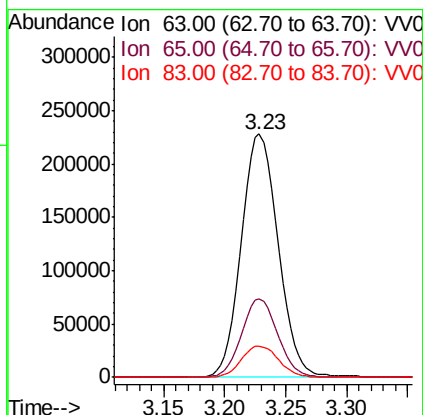
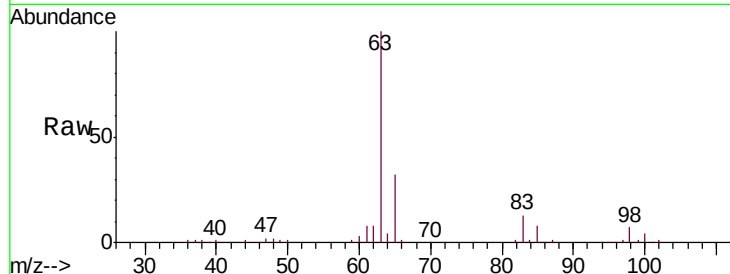




#19
 1,1-Dichloroethane
 Concen: 47.306 ug/L
 RT: 3.23 min Scan# 665
 Delta R.T. 0.00 min
 Lab File: VV012757.D
 Acq: 14 Sep 2019 04:51

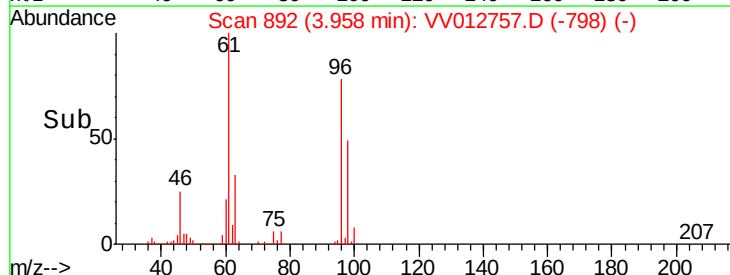
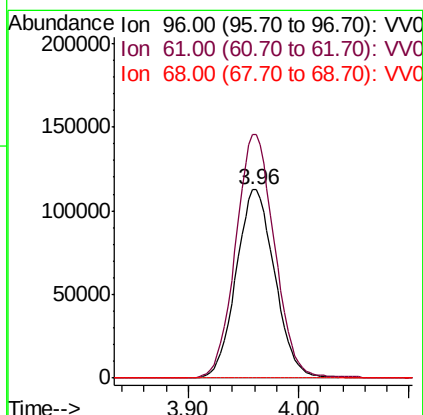
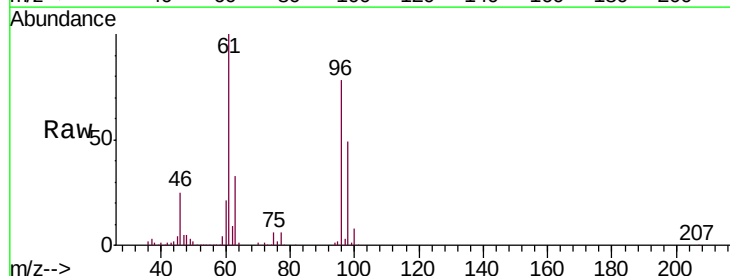
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05069

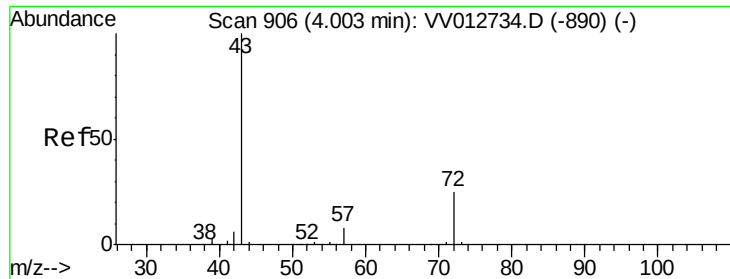
Tgt Ion: 63 Resp: 476291
 Ion Ratio Lower Upper
 63 100
 65 32.4 22.2 41.2
 83 12.7 9.6 17.8



#20
 cis-1,2-Dichloroethene
 Concen: 47.448 ug/L
 RT: 3.96 min Scan# 892
 Delta R.T. 0.00 min
 Lab File: VV012757.D
 Acq: 14 Sep 2019 04:51

Tgt Ion: 96 Resp: 273451
 Ion Ratio Lower Upper
 96 100
 61 129.0 90.6 168.3
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 90.938 ug/L

RT: 4.01 min Scan# 907

Delta R.T. 0.00 min

Lab File: VV012757.D

Acq: 14 Sep 2019 04:51

Instrument :

MSVOA_V

ClientSampleId :

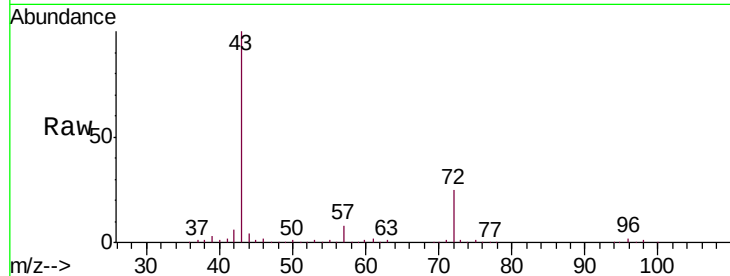
VSTD05069

Tgt Ion: 43 Resp: 443116

Ion Ratio Lower Upper

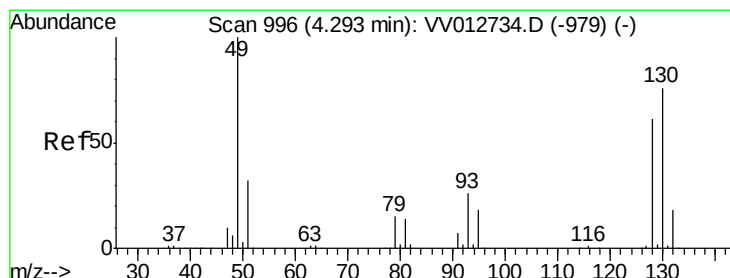
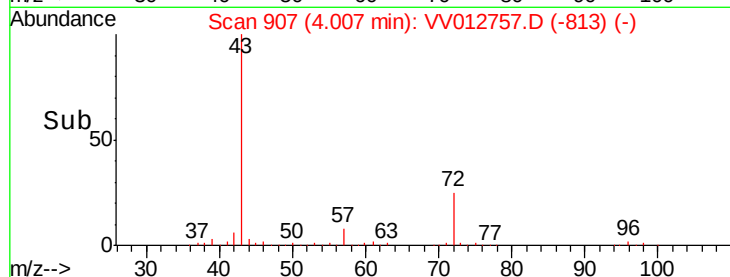
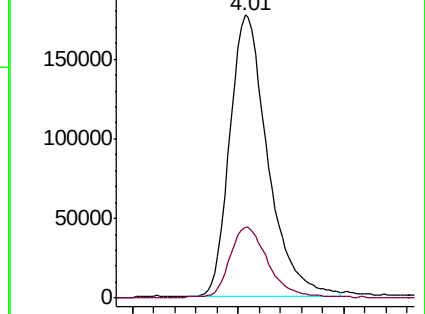
43 100

72 25.9 13.2 39.6



Abundance Ion 43.00 (42.70 to 43.70): VV012734.D (-890) (-)

Ion 72.00 (71.70 to 72.70): VV012734.D (-890) (-)



#23

Bromochloromethane

Concen: 46.968 ug/L

RT: 4.30 min Scan# 997

Delta R.T. 0.00 min

Lab File: VV012757.D

Acq: 14 Sep 2019 04:51

Tgt Ion: 128 Resp: 137521

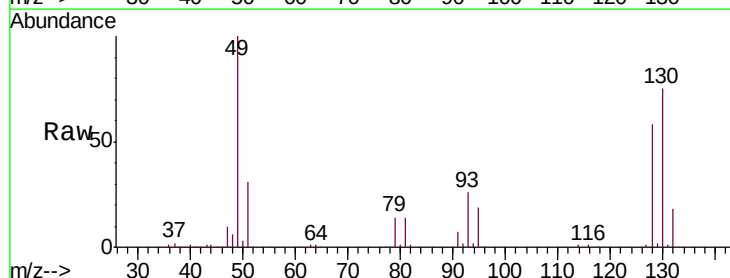
Ion Ratio Lower Upper

128 100

49 172.1 117.2 217.8

130 129.7 86.7 160.9

51 52.9 42.3 63.5

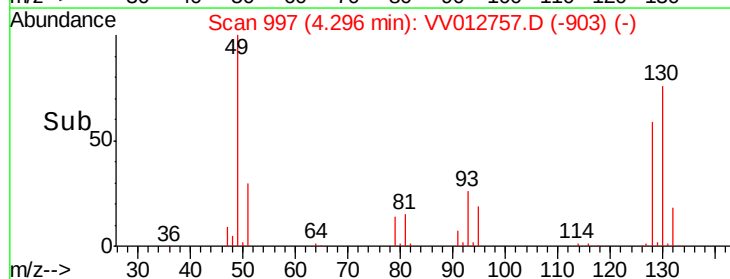
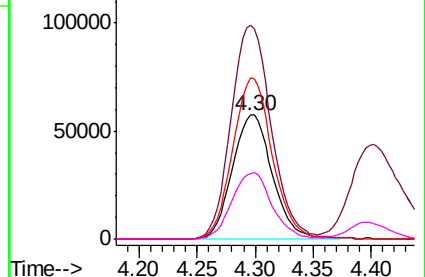


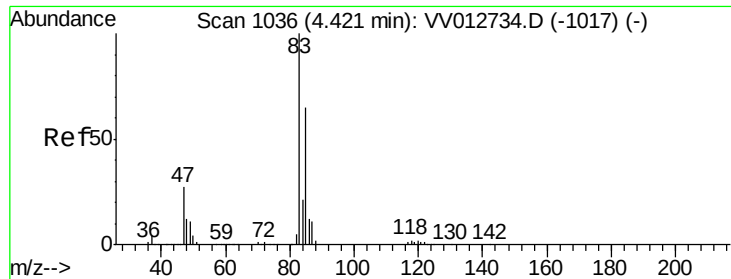
Abundance Ion 128.00 (127.70 to 128.70): VV012734.D (-979) (-)

Ion 49.00 (48.70 to 49.70): VV012734.D (-979) (-)

Ion 130.00 (129.70 to 130.70): VV012734.D (-979) (-)

Ion 51.00 (50.70 to 51.70): VV012734.D (-979) (-)





#25

Chloroform

Concen: 46.925 ug/L

RT: 4.42 min Scan# 1037

Delta R.T. 0.00 min

Lab File: VV012757.D

Acq: 14 Sep 2019 04:51

Instrument :

MSVOA_V

ClientSampleId :

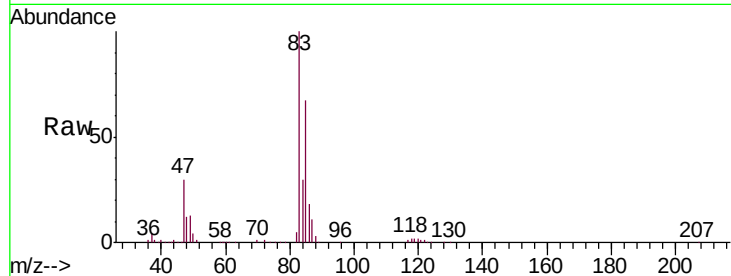
VSTD05069

Tgt Ion: 83 Resp: 496339

Ion Ratio Lower Upper

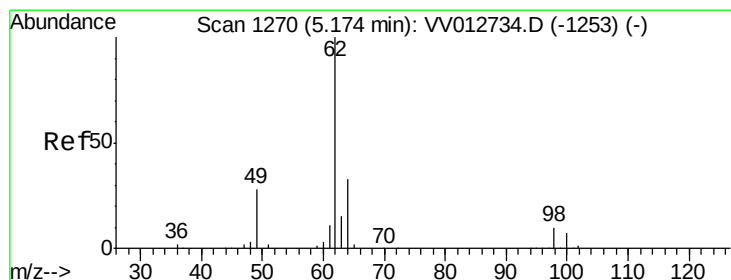
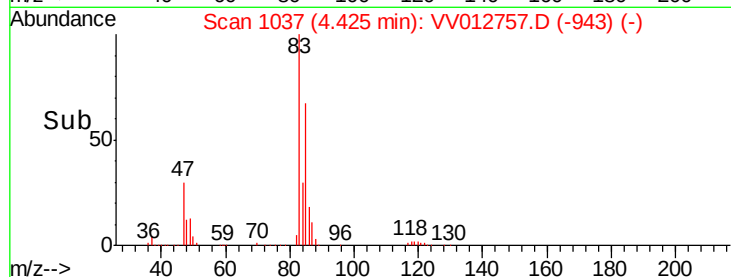
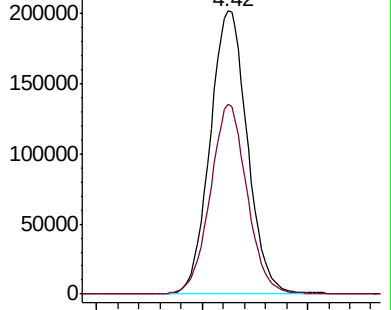
83 100

85 67.2 45.1 83.9



Abundance Ion 83.00 (82.70 to 83.70): VV012734.D (-1017) (-)

Ion 85.00 (84.70 to 85.70): VV012734.D (-1017) (-)



#27

1,2-Dichloroethane

Concen: 47.232 ug/L

RT: 5.18 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VV012757.D

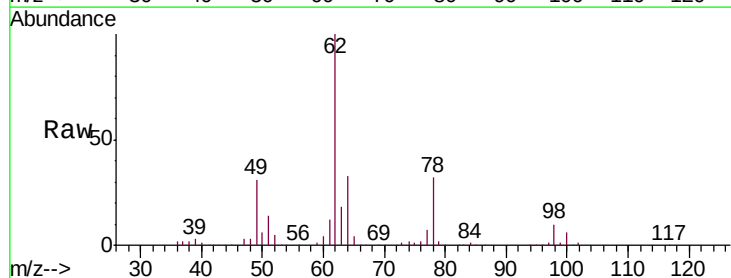
Acq: 14 Sep 2019 04:51

Tgt Ion: 62 Resp: 373919

Ion Ratio Lower Upper

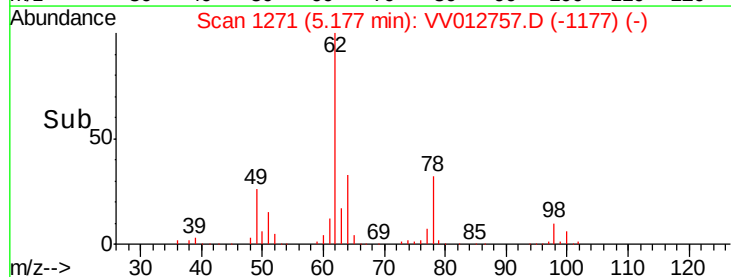
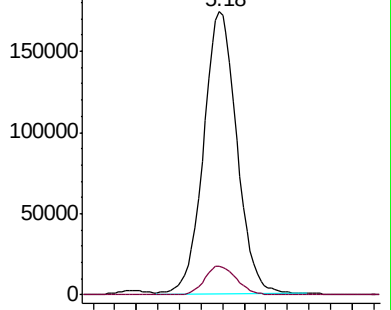
62 100

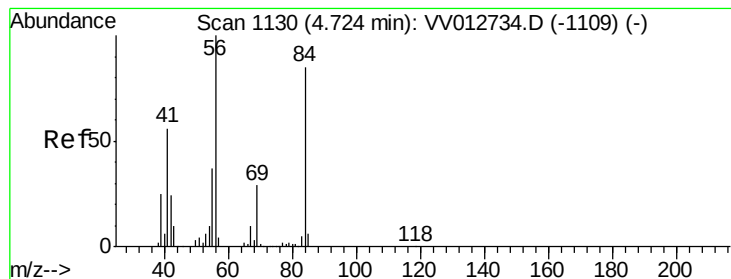
98 10.1 7.7 11.5



Abundance Ion 62.00 (61.70 to 62.70): VV012734.D (-1253) (-)

Ion 98.00 (97.70 to 98.70): VV012734.D (-1253) (-)





#29

Cyclohexane

Concen: 49.137 ug/L

RT: 4.73 min Scan# 1131

Delta R.T. 0.00 min

Lab File: VV012757.D

Acq: 14 Sep 2019 04:51

Instrument :

MSVOA_V

ClientSampleId :

VSTD05069

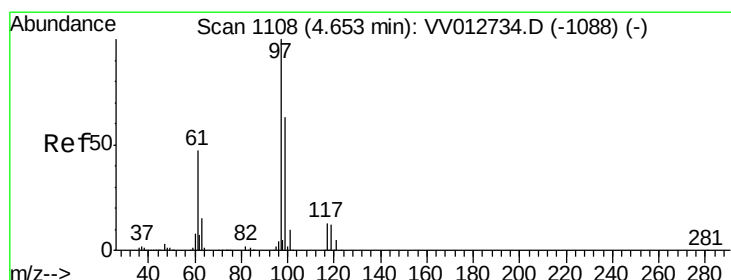
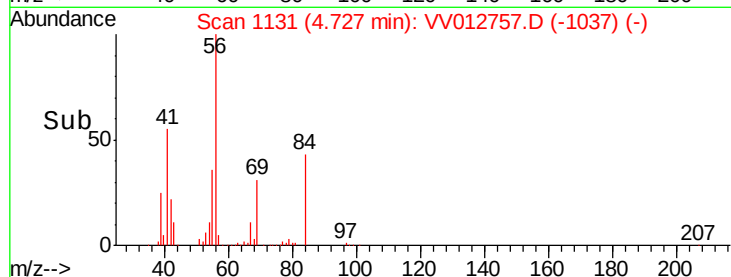
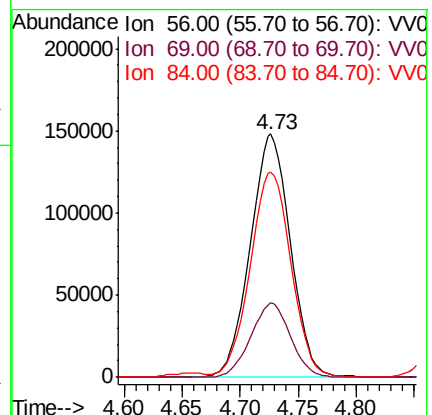
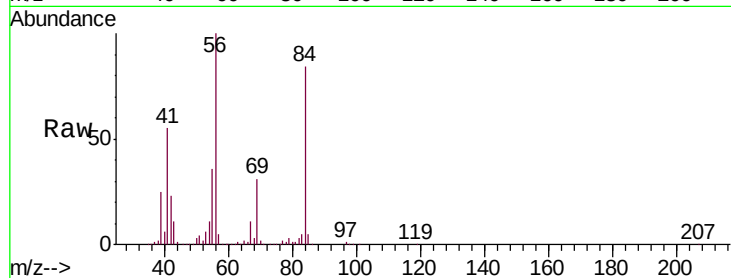
Tgt Ion: 56 Resp: 356701

Ion Ratio Lower Upper

56 100

69 30.3 24.2 36.2

84 85.0 69.8 104.6



#30

1,1,1-Trichloroethane

Concen: 48.231 ug/L

RT: 4.66 min Scan# 1109

Delta R.T. 0.00 min

Lab File: VV012757.D

Acq: 14 Sep 2019 04:51

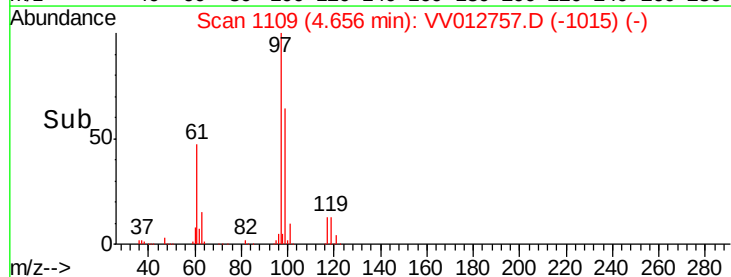
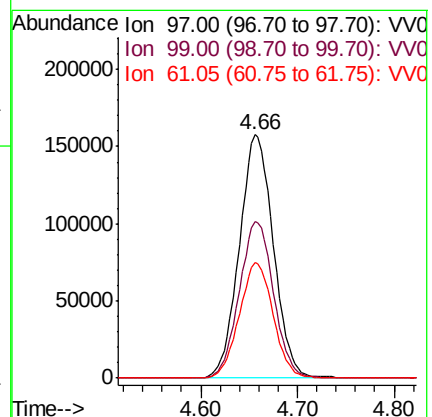
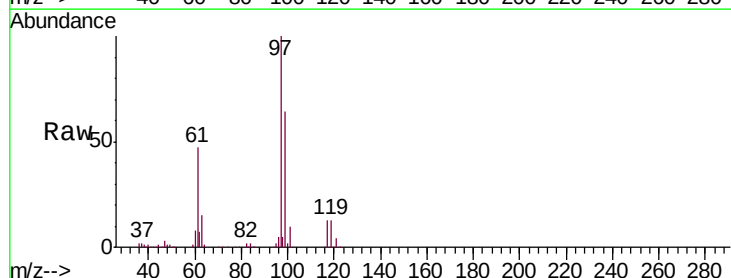
Tgt Ion: 97 Resp: 385650

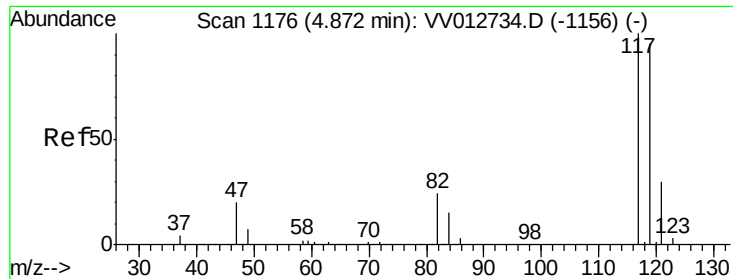
Ion Ratio Lower Upper

97 100

99 64.5 50.6 75.8

61 46.9 37.8 56.8





#31

Carbon tetrachloride

Concen: 48.033 ug/L

RT: 4.87 min Scan# 1177

Delta R.T. 0.00 min

Lab File: VV012757.D

Acq: 14 Sep 2019 04:51

Instrument :

MSVOA_V

ClientSampleId :

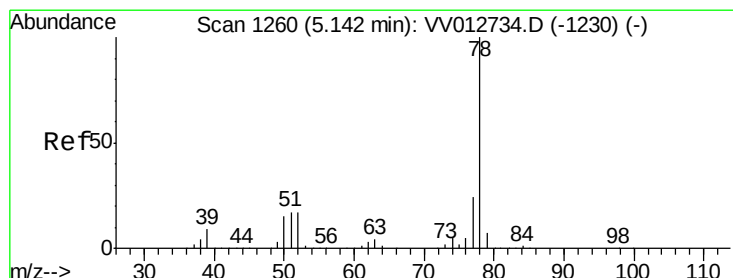
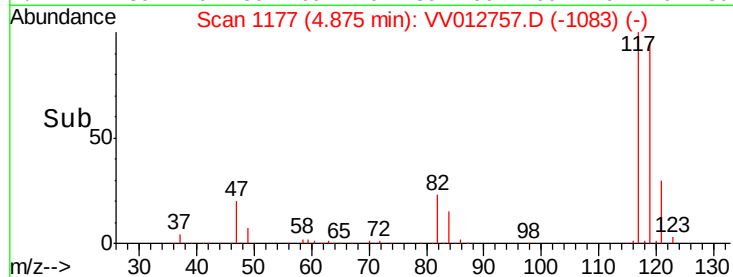
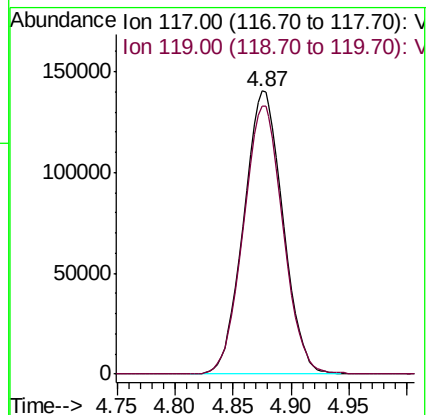
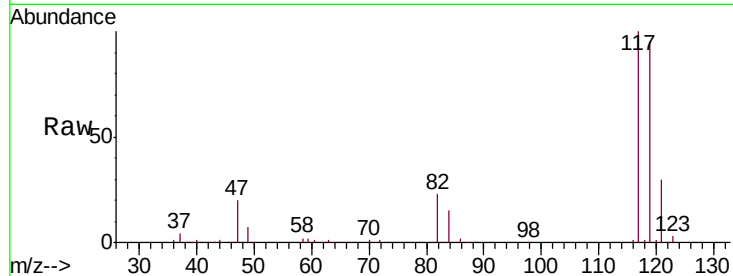
VSTD05069

Tgt Ion:117 Resp: 330696

Ion Ratio Lower Upper

117 100

119 95.9 77.1 115.7



#33

Benzene

Concen: 49.439 ug/L

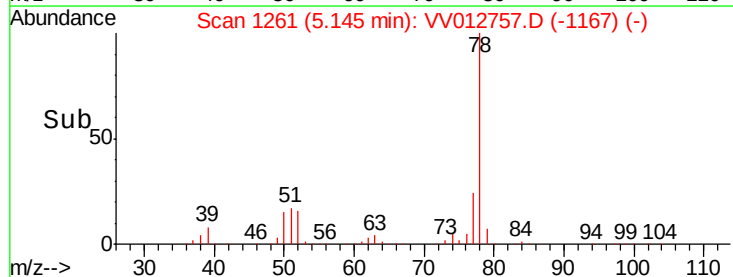
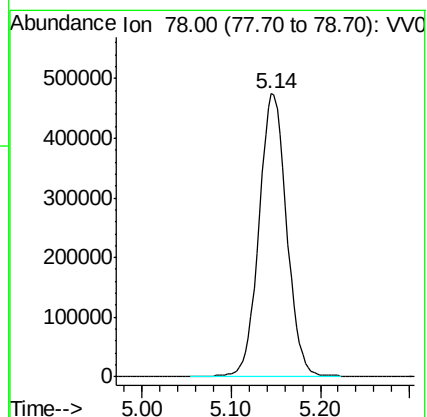
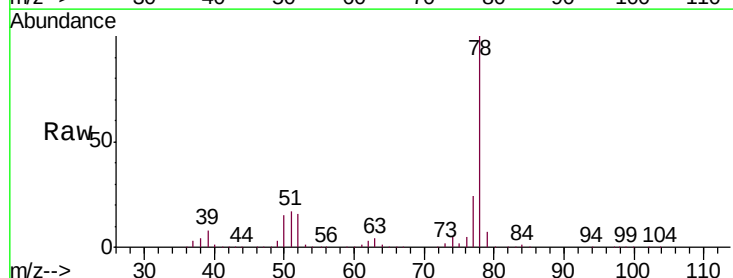
RT: 5.14 min Scan# 1261

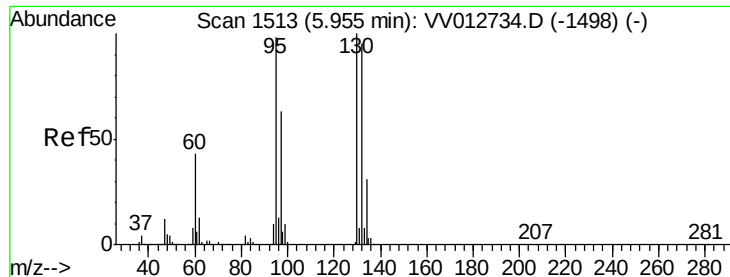
Delta R.T. 0.00 min

Lab File: VV012757.D

Acq: 14 Sep 2019 04:51

Tgt Ion: 78 Resp: 1028317





#34

Trichloroethene

Concen: 47.529 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VV012757.D

Acq: 14 Sep 2019 04:51

Instrument :

MSVOA_V

ClientSampleId :

VSTD05069

Tgt Ion: 95 Resp: 287377

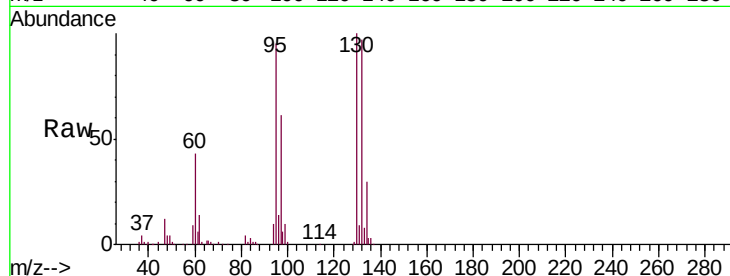
Ion Ratio Lower Upper

95 100

97 64.5 45.1 83.9

132 102.2 70.6 131.0

130 105.7 74.6 138.6

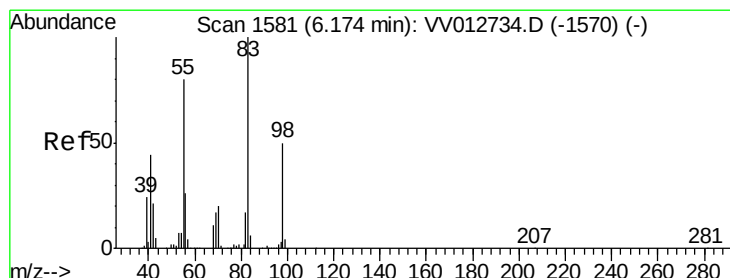
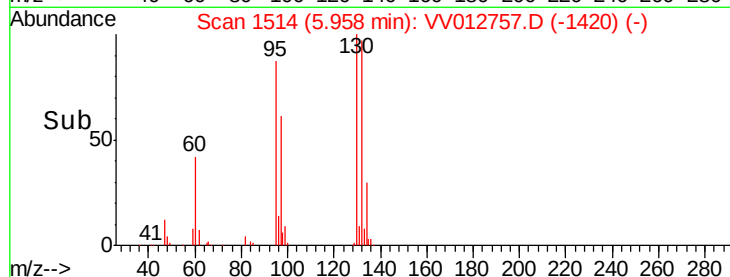
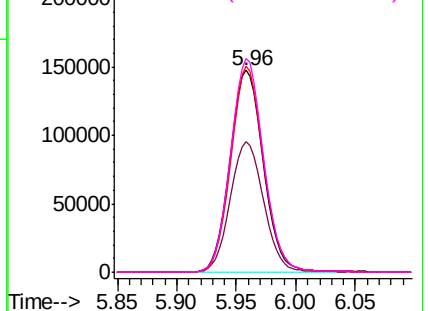


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 47.175 ug/L

RT: 6.18 min Scan# 1582

Delta R.T. 0.00 min

Lab File: VV012757.D

Acq: 14 Sep 2019 04:51

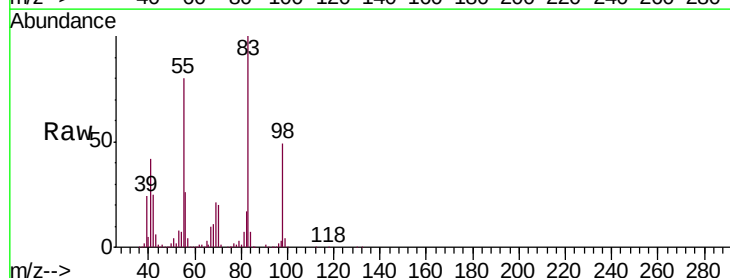
Tgt Ion: 83 Resp: 359818

Ion Ratio Lower Upper

83 100

55 78.9 62.2 93.2

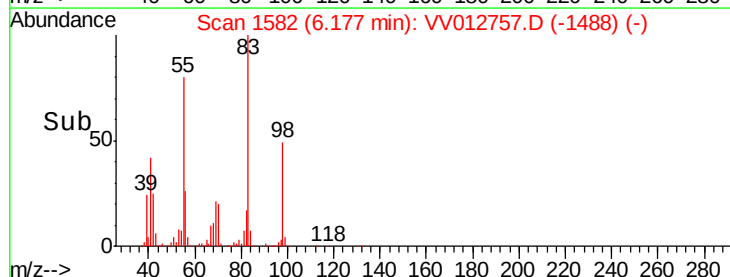
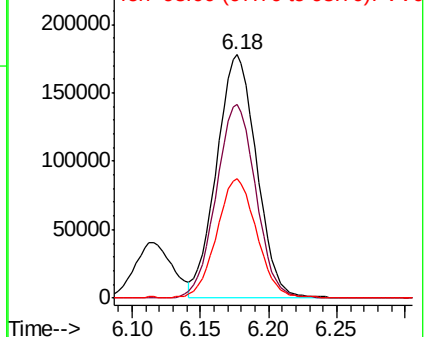
98 49.4 39.4 59.0

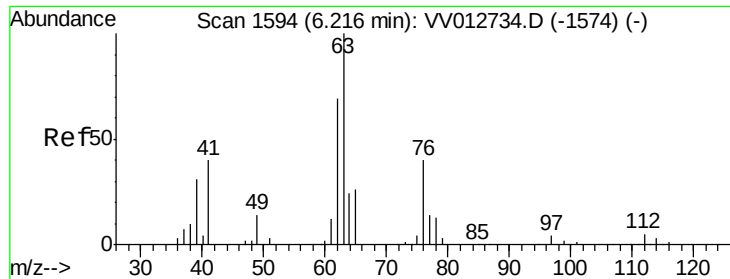


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

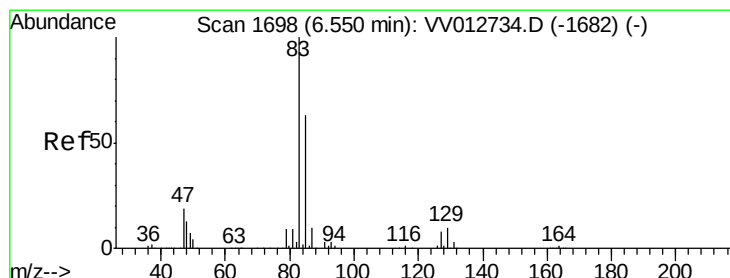
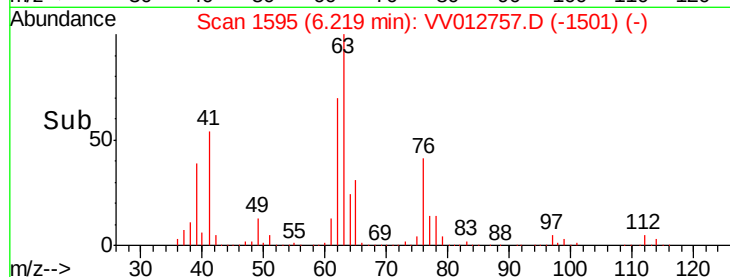
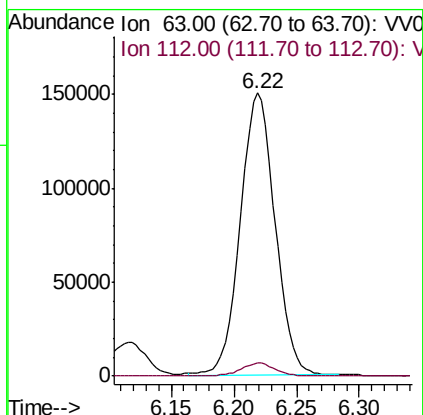
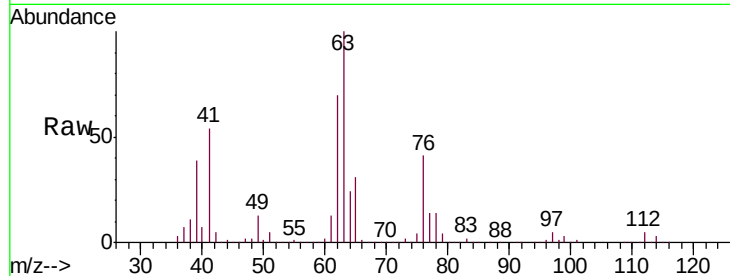




#37
 1,2-Dichloropropane
 Concen: 48.214 ug/L
 RT: 6.22 min Scan# 1595
 Delta R.T. 0.00 min
 Lab File: VV012757.D
 Acq: 14 Sep 2019 04:51

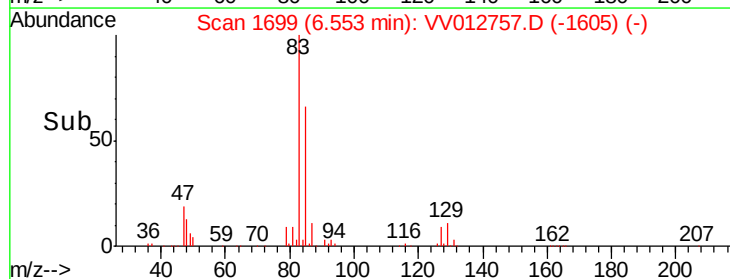
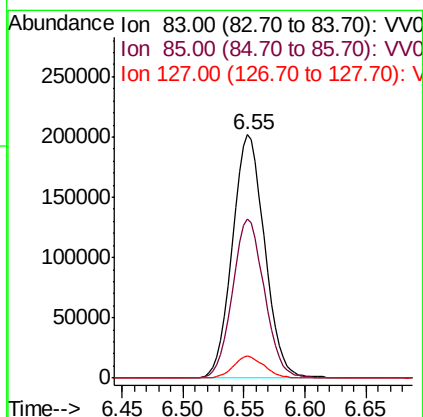
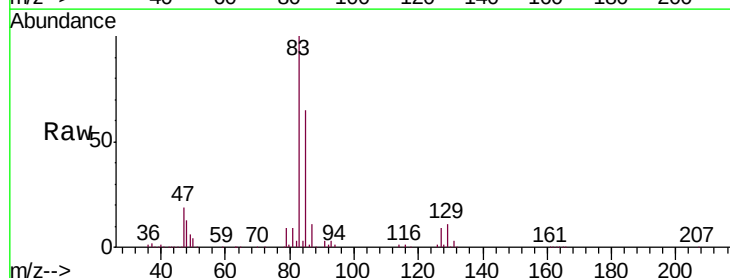
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05069

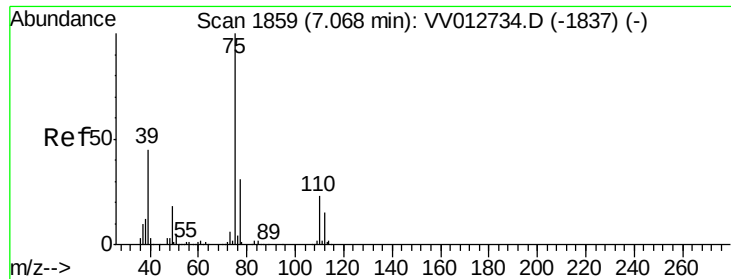
Tgt Ion: 63 Resp: 288396
 Ion Ratio Lower Upper
 63 100
 112 4.8 3.5 5.3



#38
 Bromodichloromethane
 Concen: 48.154 ug/L
 RT: 6.55 min Scan# 1699
 Delta R.T. 0.00 min
 Lab File: VV012757.D
 Acq: 14 Sep 2019 04:51

Tgt Ion: 83 Resp: 370769
 Ion Ratio Lower Upper
 83 100
 85 65.3 44.4 82.5
 127 8.9 7.0 10.4





#39

cis-1,3-Dichloropropene

Concen: 48.106 ug/L

RT: 7.07 min Scan# 1859

Delta R.T. -0.00 min

Lab File: VV012757.D

Acq: 14 Sep 2019 04:51

Instrument :

MSVOA_V

ClientSampleId :

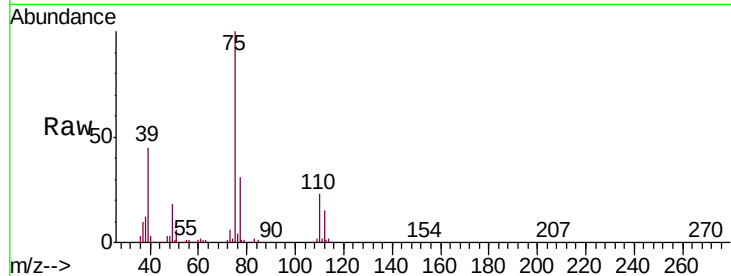
VSTD05069

Tgt Ion: 75 Resp: 402867

Ion Ratio Lower Upper

75 100

77 31.4 22.1 41.1



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

7.07

250000

200000

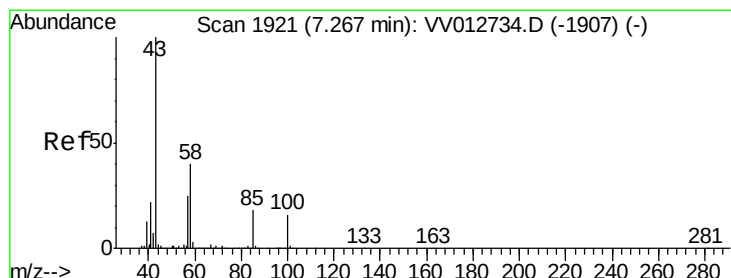
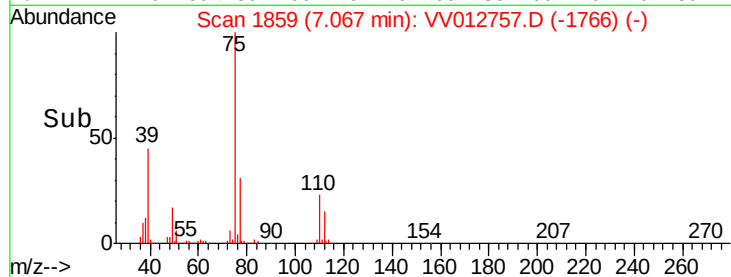
150000

100000

50000

0

Time-->



#40

4-Methyl-2-pentanone

Concen: 105.481 ug/L

RT: 7.27 min Scan# 1921

Delta R.T. -0.00 min

Lab File: VV012757.D

Acq: 14 Sep 2019 04:51

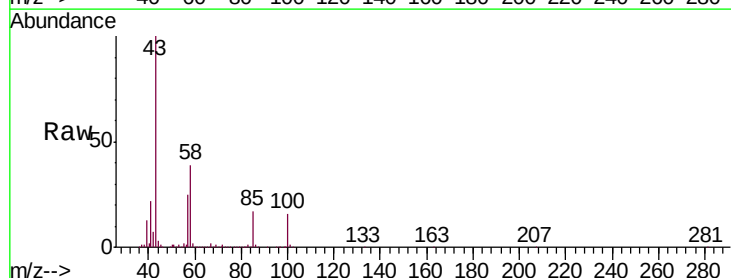
Tgt Ion: 43 Resp: 873205

Ion Ratio Lower Upper

43 100

58 39.0 31.3 46.9

100 15.6 12.4 18.6



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0

Ion 100.00 (99.70 to 100.70): VV0

7.27

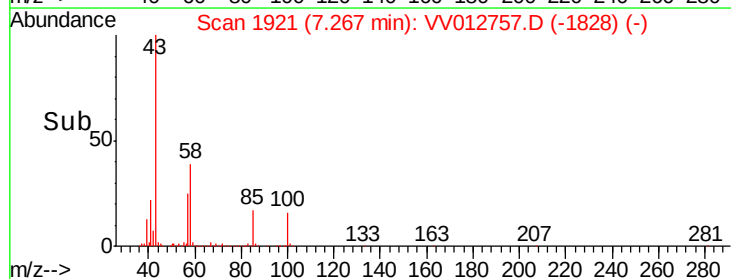
600000

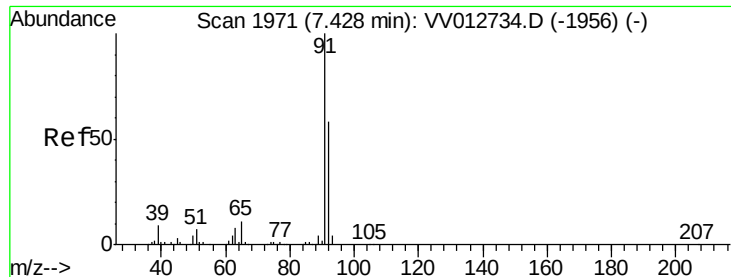
400000

200000

0

Time-->





#42

Toluene

Concen: 50.343 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV012757.D

Acq: 14 Sep 2019 04:51

Instrument :

MSVOA_V

ClientSampleId :

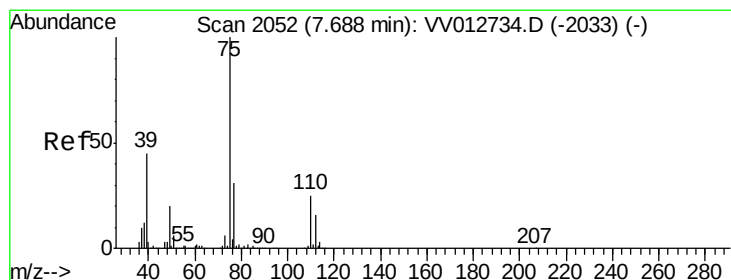
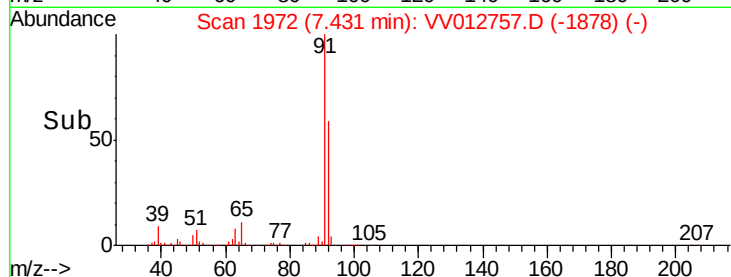
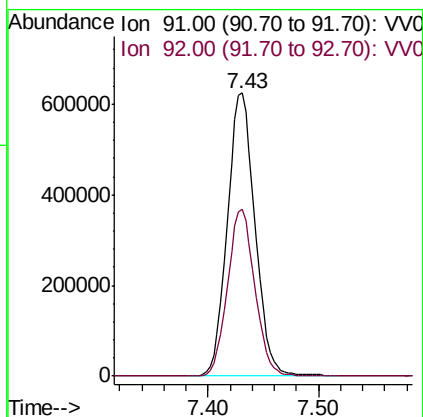
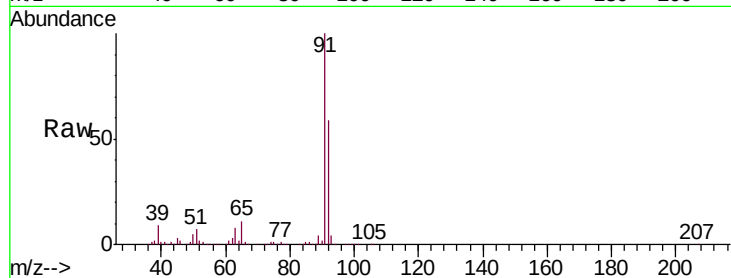
VSTD05069

Tgt Ion: 91 Resp: 1087413

Ion Ratio Lower Upper

91 100

92 58.9 40.9 76.0



#44

trans-1,3-Dichloropropene

Concen: 47.268 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. 0.00 min

Lab File: VV012757.D

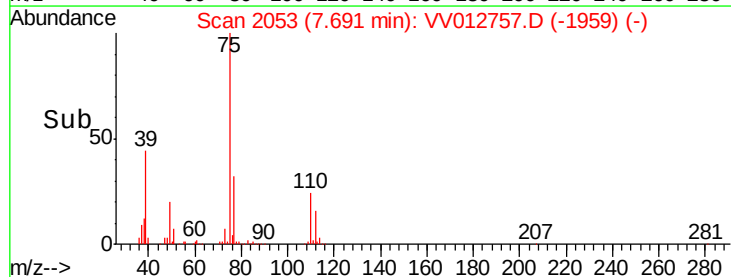
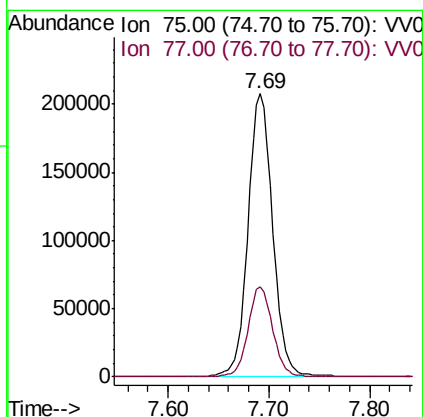
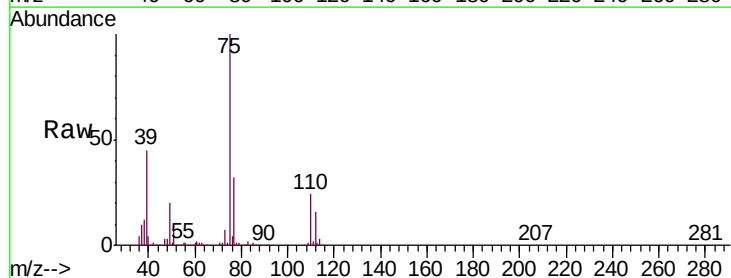
Acq: 14 Sep 2019 04:51

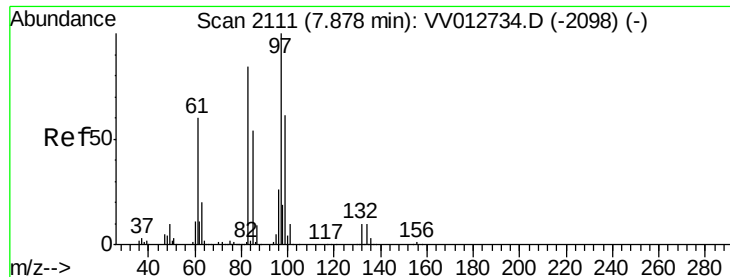
Tgt Ion: 75 Resp: 349002

Ion Ratio Lower Upper

75 100

77 31.8 22.1 41.1

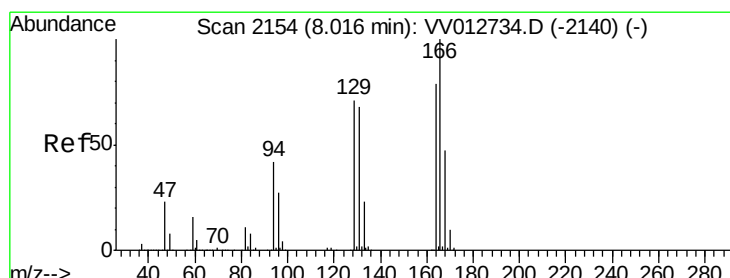
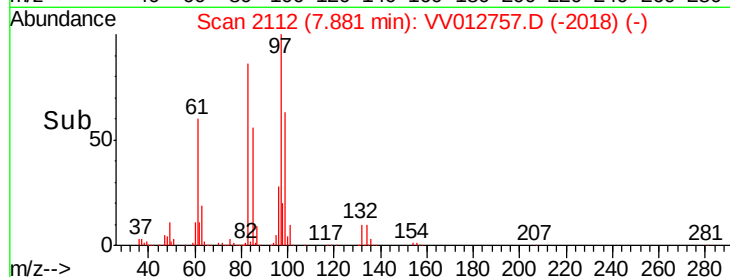
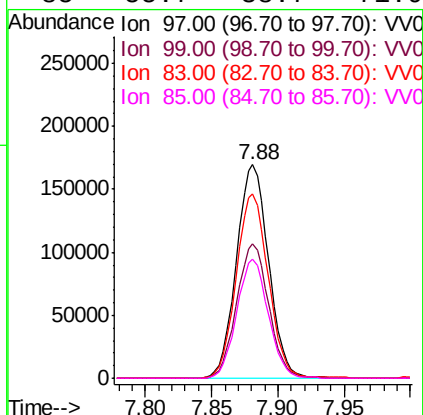
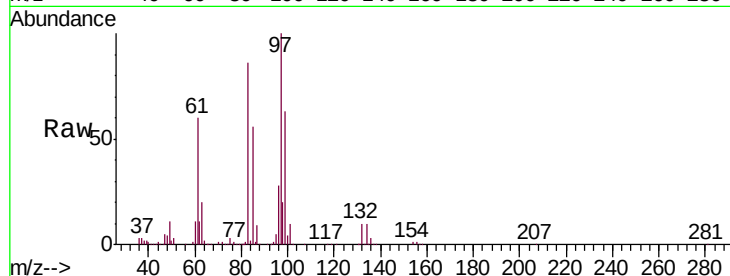




#45
 1,1,2-Trichloroethane
 Concen: 49.011 ug/L
 RT: 7.88 min Scan# 2112
 Delta R.T. 0.00 min
 Lab File: VV012757.D
 Acq: 14 Sep 2019 04:51

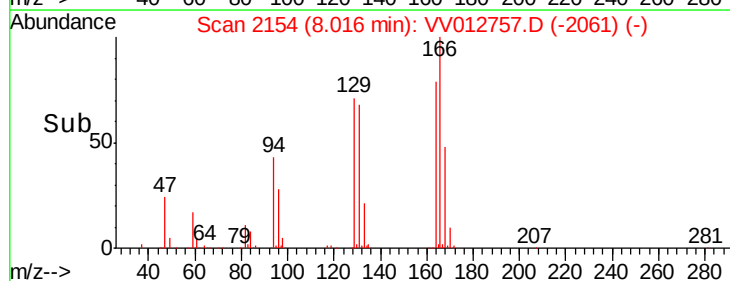
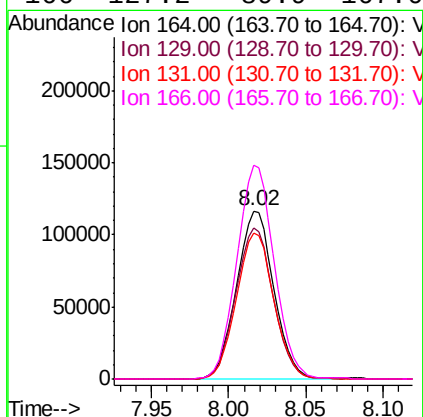
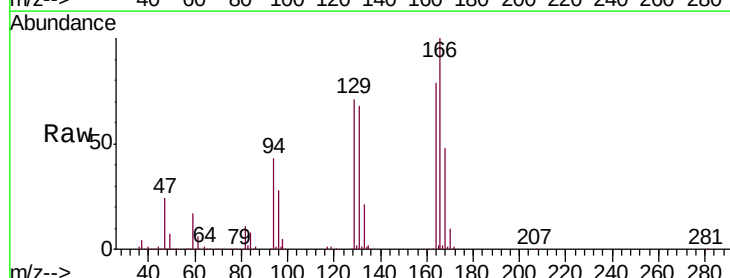
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05069

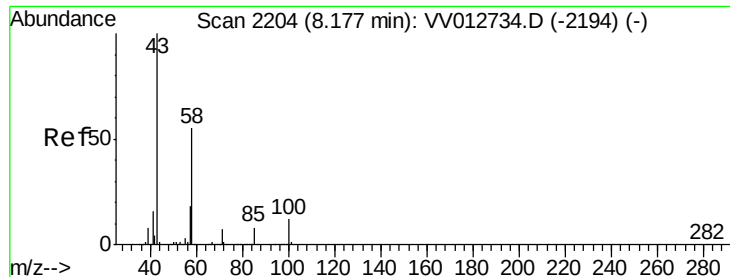
Tgt Ion:	97	Resp:	286032
Ion	Ratio	Lower	Upper
97	100		
99	62.7	44.6	82.8
83	86.5	59.9	111.3
85	55.7	38.7	71.9



#46
 Tetrachloroethene
 Concen: 46.554 ug/L
 RT: 8.02 min Scan# 2154
 Delta R.T. -0.00 min
 Lab File: VV012757.D
 Acq: 14 Sep 2019 04:51

Tgt Ion:	164	Resp:	195245
Ion	Ratio	Lower	Upper
164	100		
129	90.1	62.7	116.5
131	86.9	62.7	116.5
166	127.2	89.9	167.0

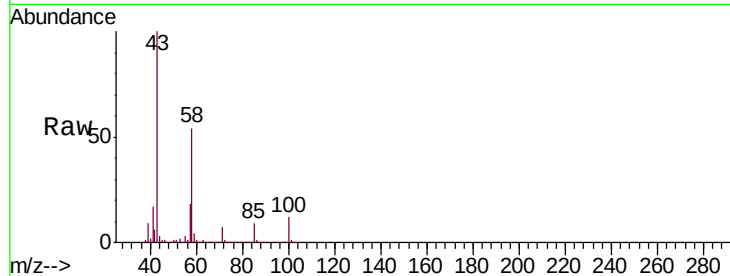




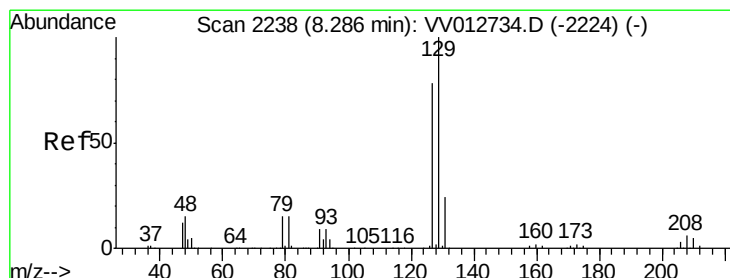
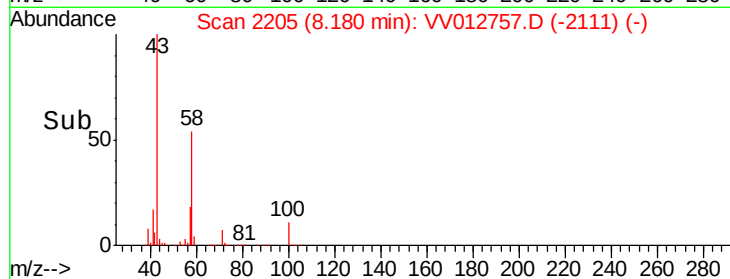
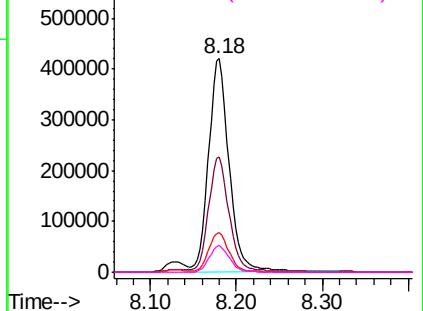
#48
2-Hexanone
Concen: 104.867 ug/L
RT: 8.18 min Scan# 2205
Delta R.T. 0.00 min
Lab File: VV012757.D
Acq: 14 Sep 2019 04:51

Instrument :
MSVOA_V
ClientSampleId :
VSTD05069

Tgt Ion: 43 Resp: 704350
Ion Ratio Lower Upper
43 100
58 53.4 43.8 65.8
57 17.9 14.3 21.5
100 12.0 9.8 14.8

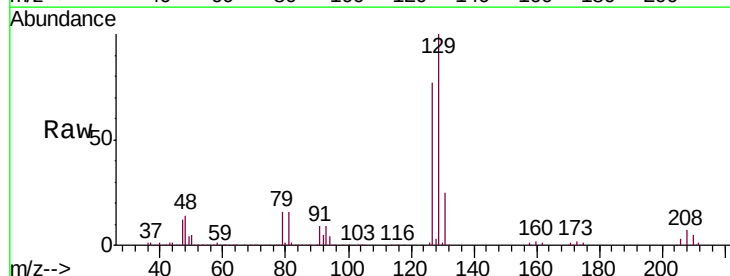


Abundance Ion 43.00 (42.70 to 43.70): VV012734.D (-2194) (-)
Ion 58.00 (57.70 to 58.70): VV012734.D (-2194) (-)
Ion 57.00 (56.70 to 57.70): VV012734.D (-2194) (-)
Ion 100.00 (99.70 to 100.70): VV012734.D (-2194) (-)

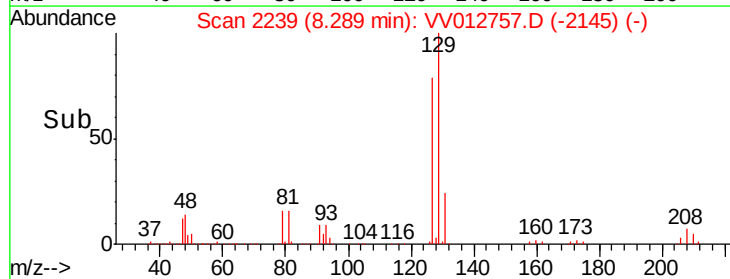
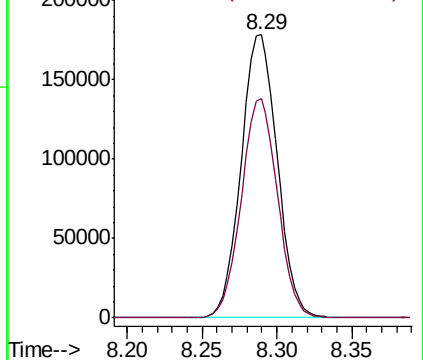


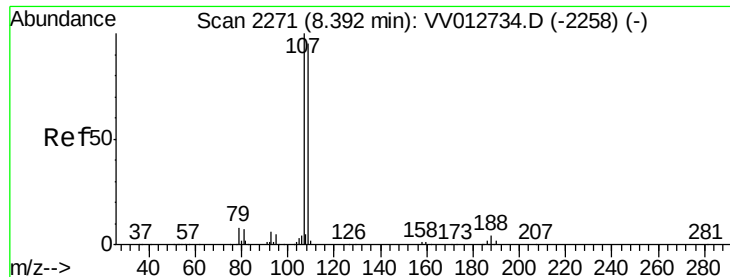
#49
Dibromochloromethane
Concen: 49.243 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VV012757.D
Acq: 14 Sep 2019 04:51

Tgt Ion: 129 Resp: 301120
Ion Ratio Lower Upper
129 100
127 77.4 53.0 98.4



Abundance Ion 129.00 (128.70 to 129.70): VV012734.D (-2224) (-)
Ion 127.00 (126.70 to 127.70): VV012734.D (-2224) (-)

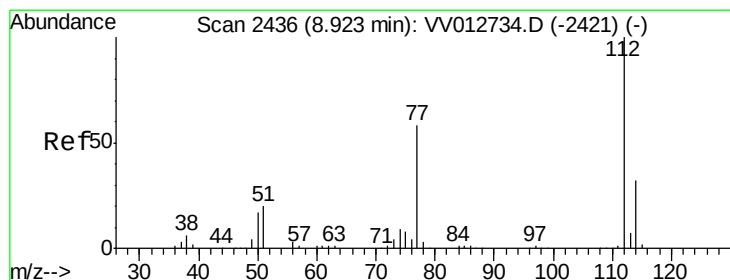
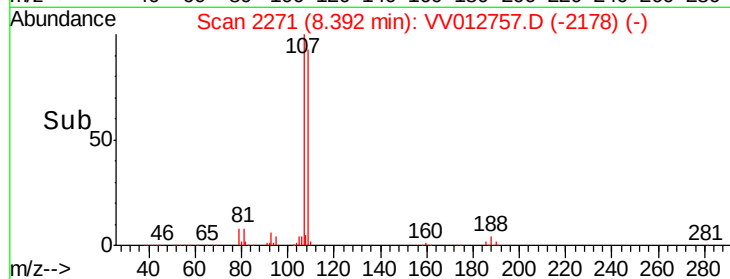
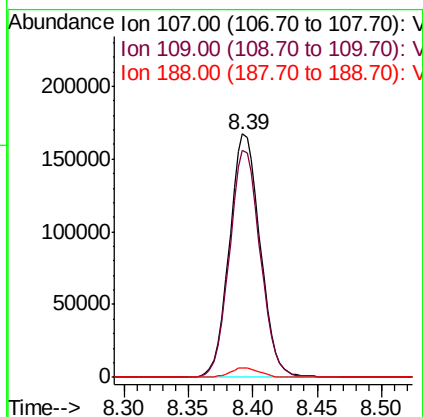
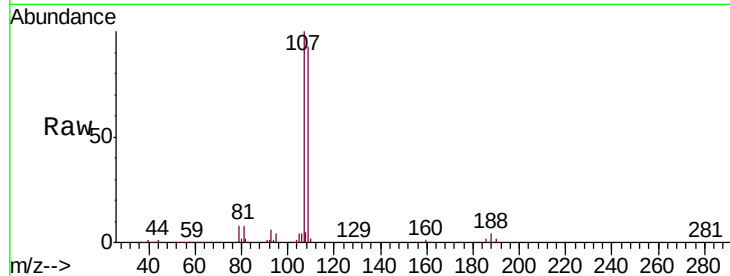




#50
1,2-Dibromoethane
Concen: 49.284 ug/L
RT: 8.39 min Scan# 2271
Delta R.T. -0.00 min
Lab File: VV012757.D
Acq: 14 Sep 2019 04:51

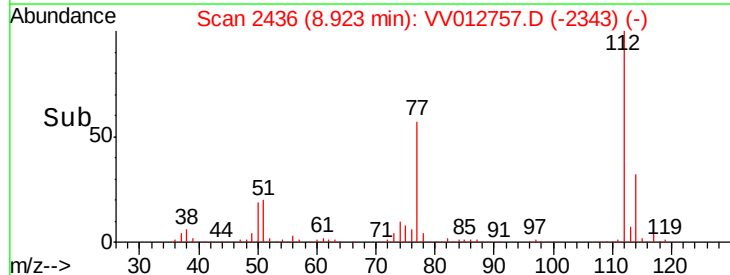
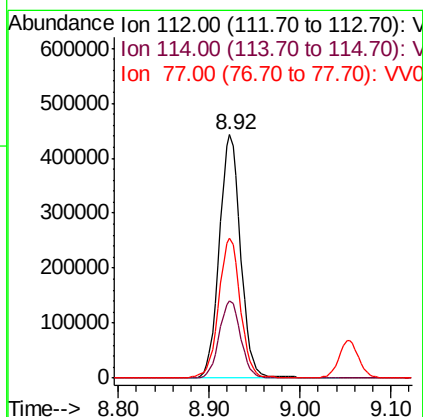
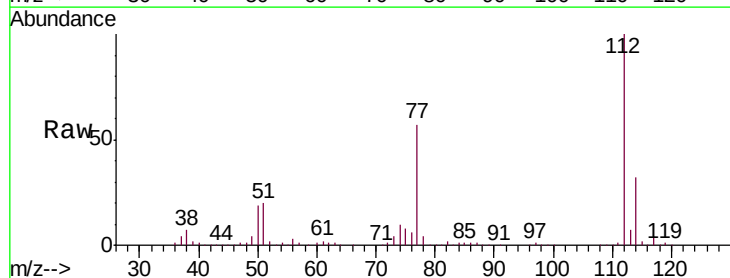
Instrument :
MSVOA_V
ClientSampleId :
VSTD05069

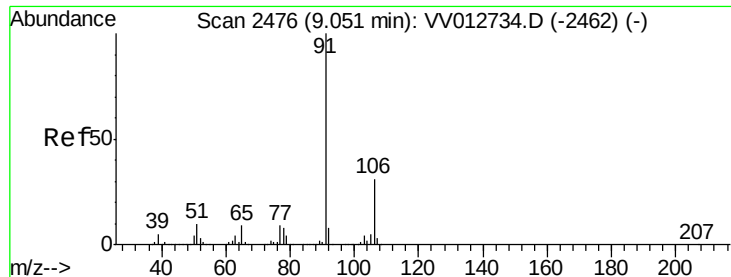
Tgt Ion:107 Resp: 277089
Ion Ratio Lower Upper
107 100
109 93.4 65.7 121.9
188 4.0 3.3 4.9



#51
Chlorobenzene
Concen: 48.499 ug/L
RT: 8.92 min Scan# 2436
Delta R.T. -0.00 min
Lab File: VV012757.D
Acq: 14 Sep 2019 04:51

Tgt Ion:112 Resp: 717737
Ion Ratio Lower Upper
112 100
114 31.7 22.4 41.6
77 57.5 46.7 70.1





#52

Ethylbenzene

Concen: 50.027 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. 0.00 min

Lab File: VV012757.D

Acq: 14 Sep 2019 04:51

Instrument :

MSVOA_V

ClientSampleId :

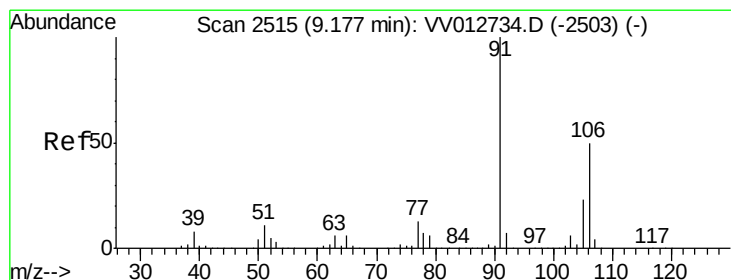
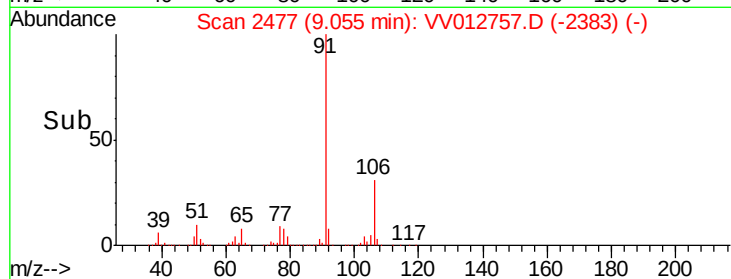
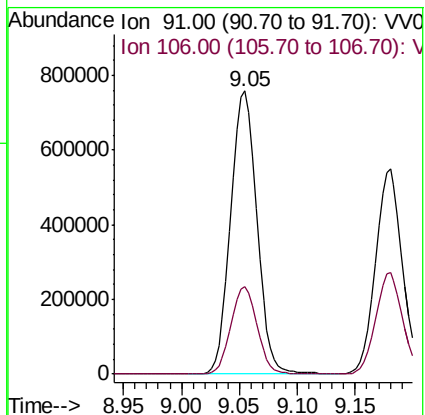
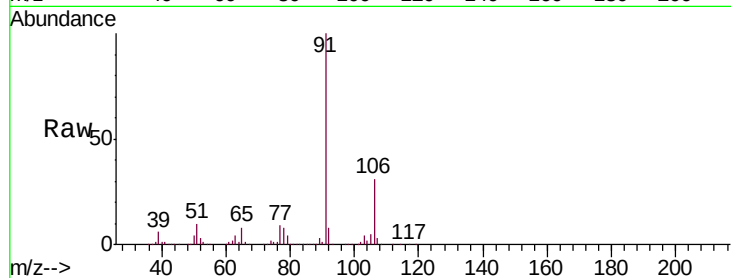
VSTD05069

Tgt Ion: 91 Resp: 1187958

Ion Ratio Lower Upper

91 100

106 30.8 21.4 39.8



#53

m,p-Xylene

Concen: 51.037 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. 0.00 min

Lab File: VV012757.D

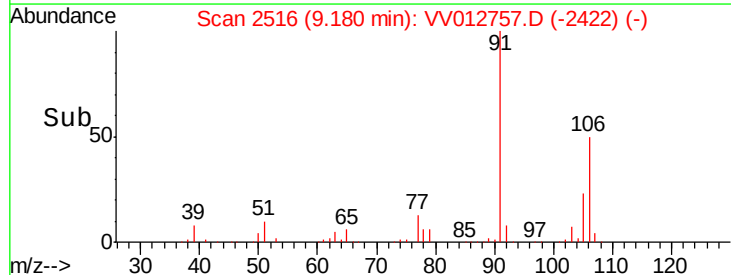
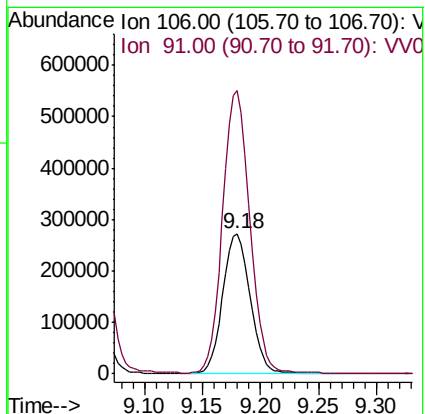
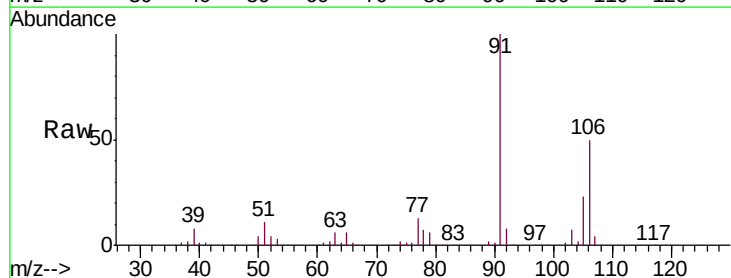
Acq: 14 Sep 2019 04:51

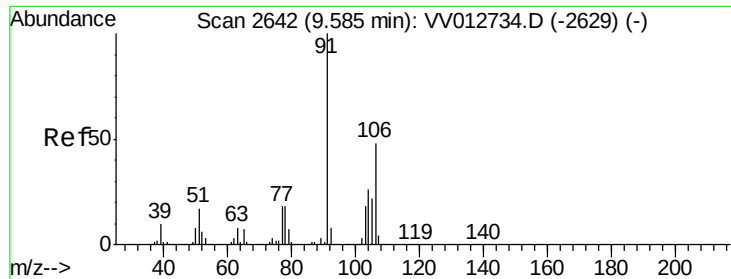
Tgt Ion: 106 Resp: 446328

Ion Ratio Lower Upper

106 100

91 201.8 139.9 259.7

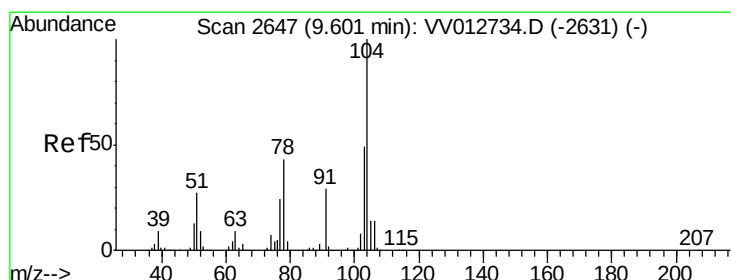
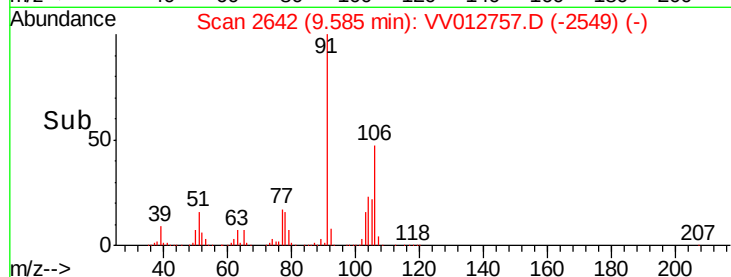
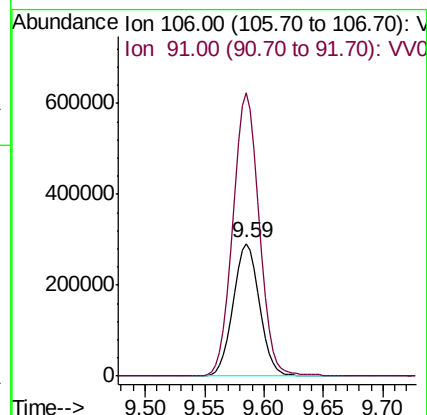
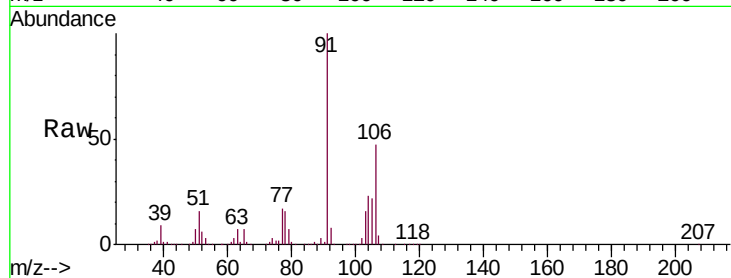




#54
o-xylene
Concen: 50.678 ug/L
RT: 9.59 min Scan# 2642
Delta R.T. -0.00 min
Lab File: VV012757.D
Acq: 14 Sep 2019 04:51

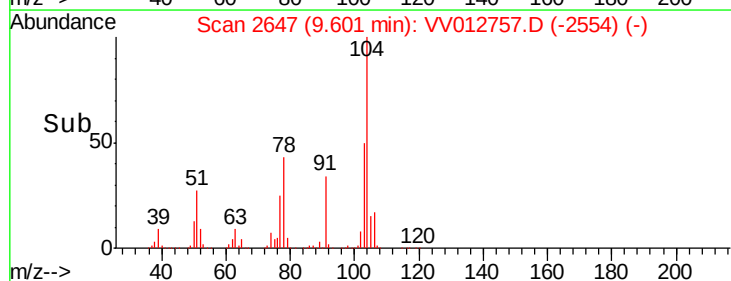
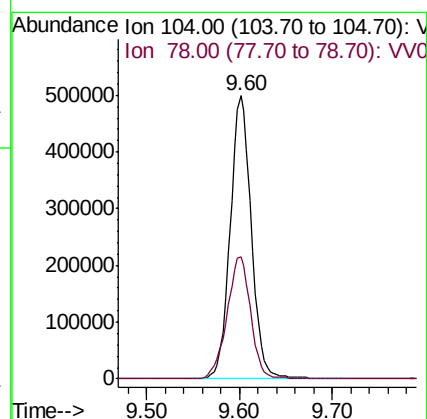
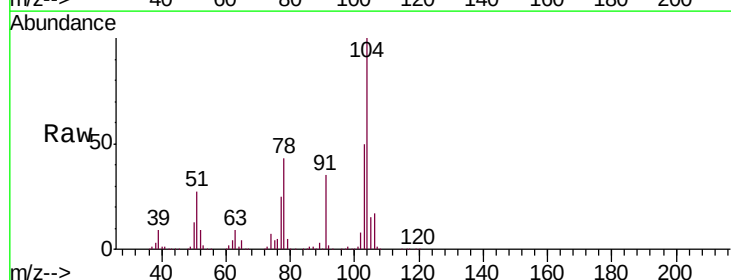
Instrument :
MSVOA_V
ClientSampleId :
VSTD05069

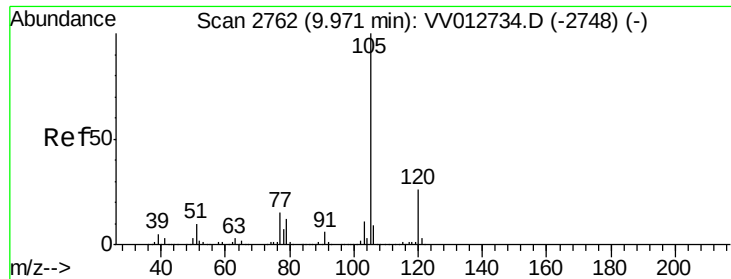
Tgt Ion:106 Resp: 449913
Ion Ratio Lower Upper
106 100
91 213.6 146.5 272.1



#55
Styrene
Concen: 52.208 ug/L
RT: 9.60 min Scan# 2647
Delta R.T. -0.00 min
Lab File: VV012757.D
Acq: 14 Sep 2019 04:51

Tgt Ion:104 Resp: 786142
Ion Ratio Lower Upper
104 100
78 43.2 30.0 55.6

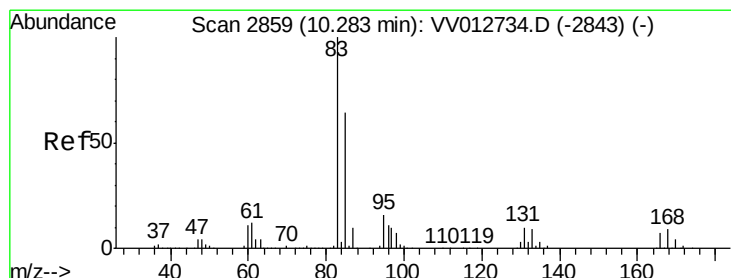
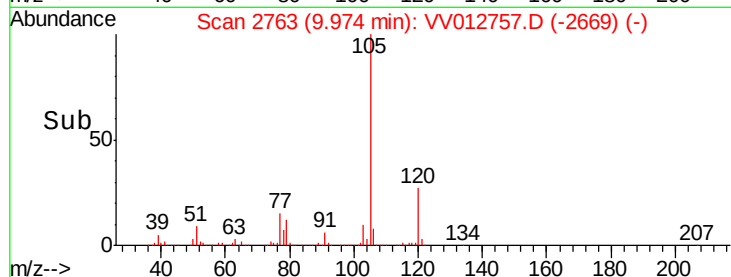
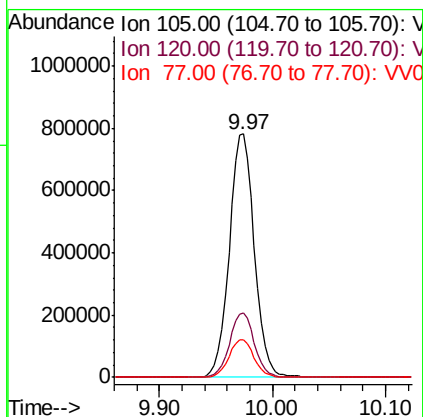
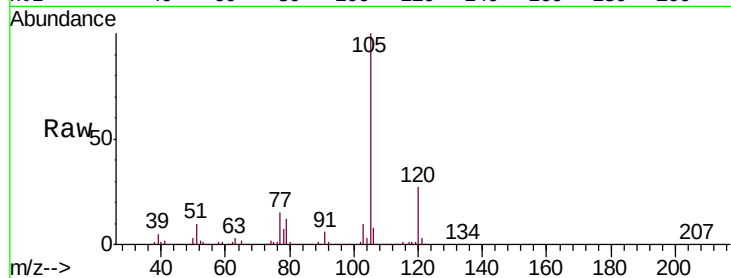




#56
Isopropylbenzene
Concen: 51.266 ug/L
RT: 9.97 min Scan# 2763
Delta R.T. 0.00 min
Lab File: VV012757.D
Acq: 14 Sep 2019 04:51

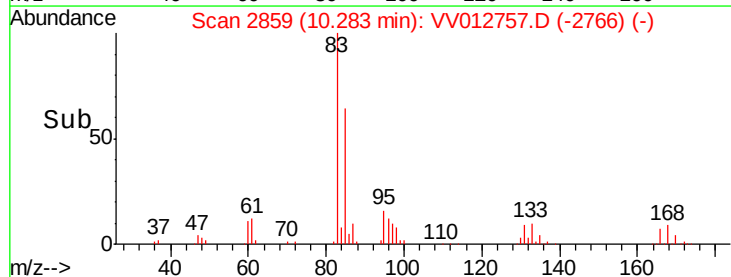
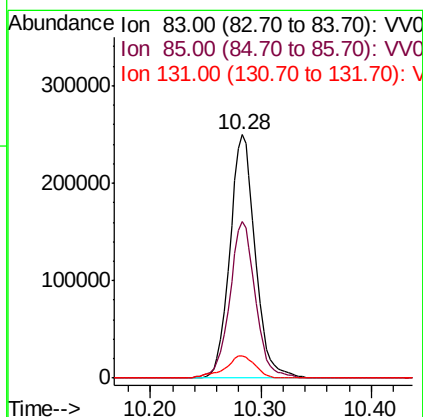
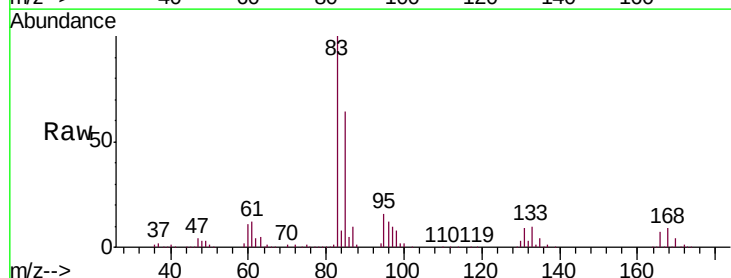
Instrument :
MSVOA_V
ClientSampled :
VSTD05069

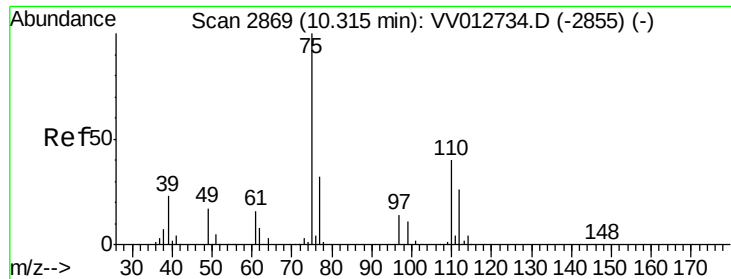
Tgt Ion:105 Resp: 1195845
Ion Ratio Lower Upper
105 100
120 26.4 21.4 32.2
77 15.6 12.4 18.6



#58
1,1,2,2-Tetrachloroethane
Concen: 49.890 ug/L
RT: 10.28 min Scan# 2859
Delta R.T. -0.00 min
Lab File: VV012757.D
Acq: 14 Sep 2019 04:51

Tgt Ion: 83 Resp: 397569
Ion Ratio Lower Upper
83 100
85 64.4 45.4 84.4
131 9.2 7.6 11.4





#59

1,2,3-Trichloropropane

Concen: 49.331 ug/L

RT: 10.31 min Scan# 2869

Delta R.T. -0.00 min

Lab File: VV012757.D

Acq: 14 Sep 2019 04:51

Instrument :

MSVOA_V

ClientSampled :

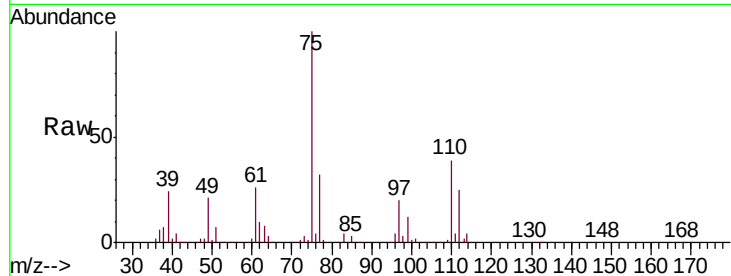
VSTD05069

Tgt Ion: 75 Resp: 375581

Ion Ratio Lower Upper

75 100

77 32.5 25.9 38.9



Abundance Ion 75.00 (74.70 to 75.70): VV012734.D (-2855) (-)

Ion 77.00 (76.70 to 77.70): VV012734.D (-2855) (-)

10.31

250000

200000

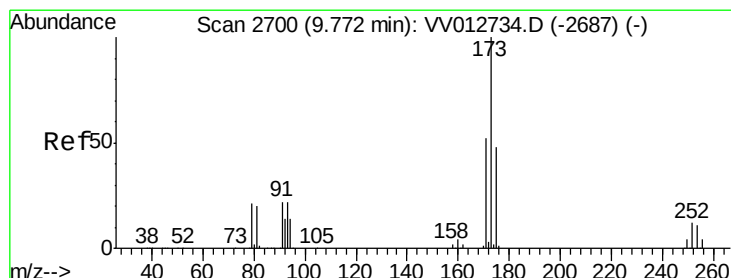
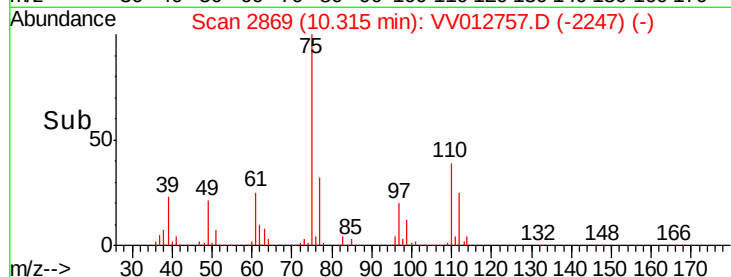
150000

100000

50000

0

Time--> 10.20 10.30 10.40



#61

Bromoform

Concen: 47.895 ug/L

RT: 9.77 min Scan# 2700

Delta R.T. -0.00 min

Lab File: VV012757.D

Acq: 14 Sep 2019 04:51

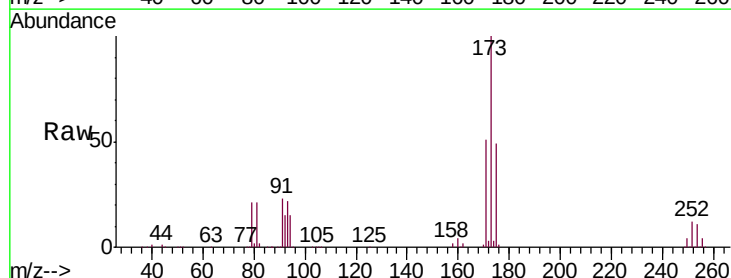
Tgt Ion: 173 Resp: 213076

Ion Ratio Lower Upper

173 100

175 49.0 39.3 58.9

254 11.8 8.9 13.3



Abundance Ion 173.00 (172.70 to 173.70): VV012734.D (-2687) (-)

Ion 175.00 (174.70 to 175.70): VV012734.D (-2687) (-)

Ion 254.00 (253.70 to 254.70): VV012734.D (-2687) (-)

9.77

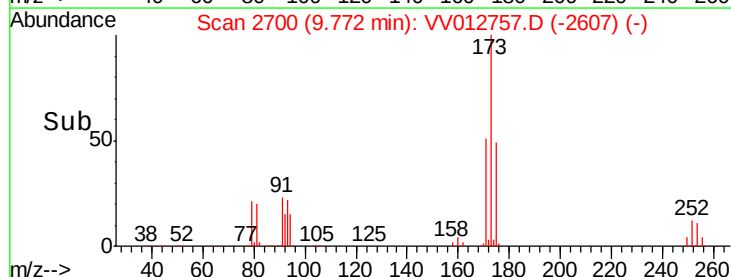
150000

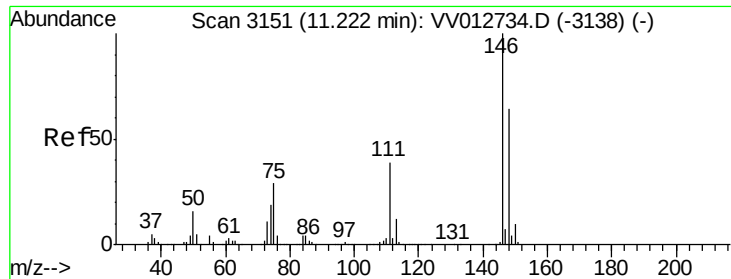
100000

50000

0

Time--> 9.70 9.75 9.80





#62

1,3-Dichlorobenzene

Concen: 48.786 ug/L

RT: 11.22 min Scan# 3151

Delta R.T. -0.00 min

Lab File: VV012757.D

Acq: 14 Sep 2019 04:51

Instrument :

MSVOA_V

ClientSampleId :

VSTD05069

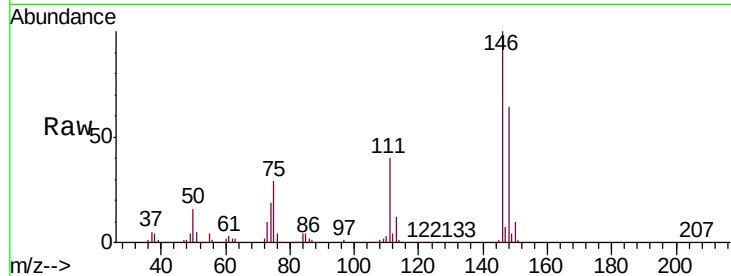
Tgt Ion:146 Resp: 555166

Ion Ratio Lower Upper

146 100

111 39.6 27.2 50.6

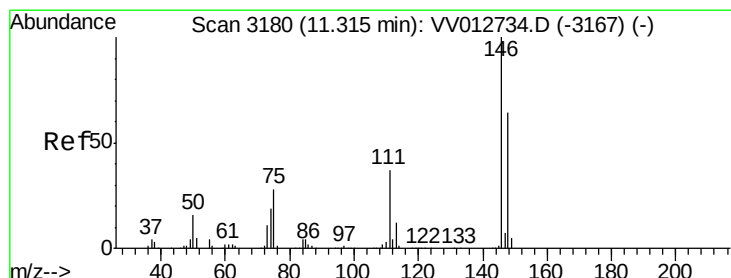
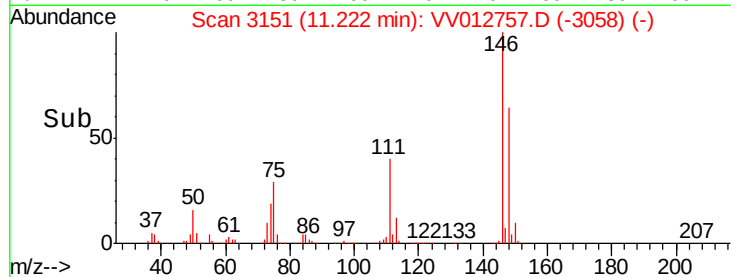
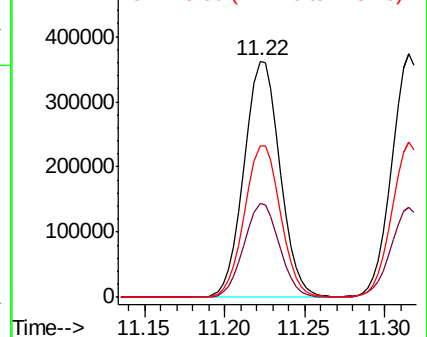
148 64.0 45.2 84.0



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: 48.343 ug/L

RT: 11.31 min Scan# 3180

Delta R.T. -0.00 min

Lab File: VV012757.D

Acq: 14 Sep 2019 04:51

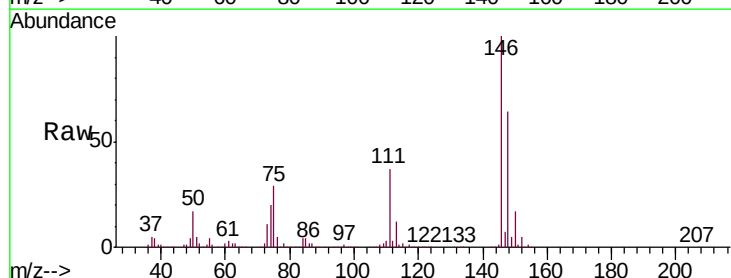
Tgt Ion:146 Resp: 564306

Ion Ratio Lower Upper

146 100

111 37.0 26.2 48.8

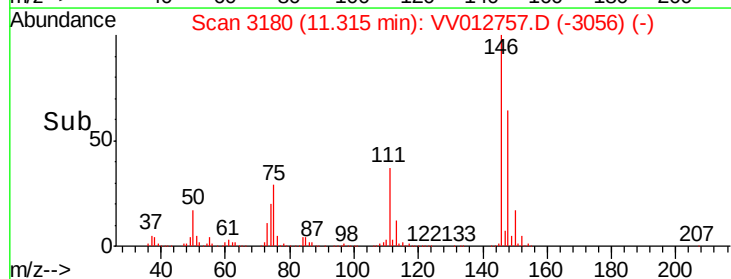
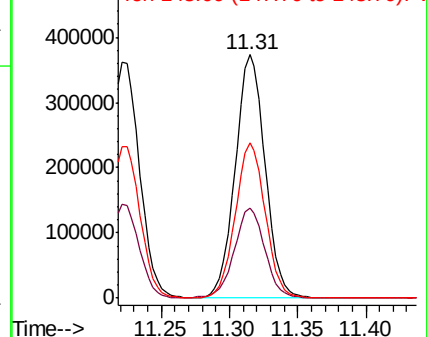
148 63.5 45.0 83.6

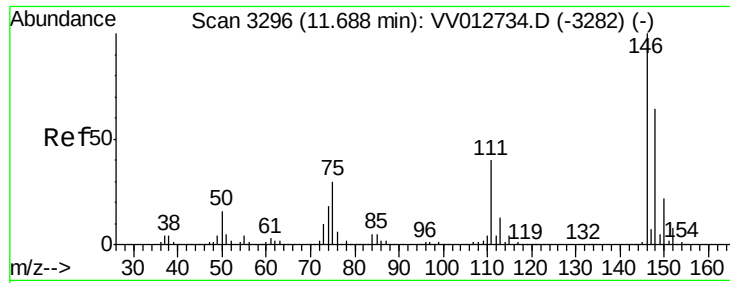


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

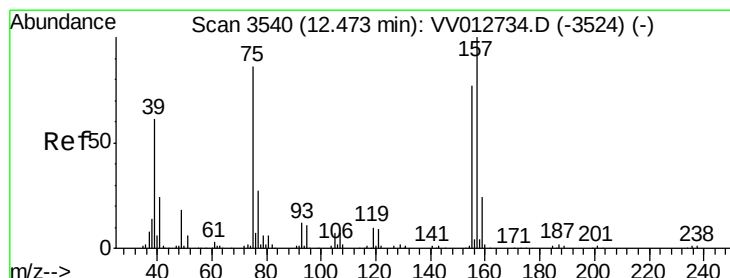
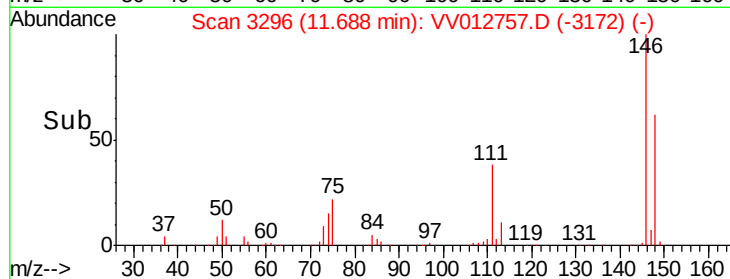
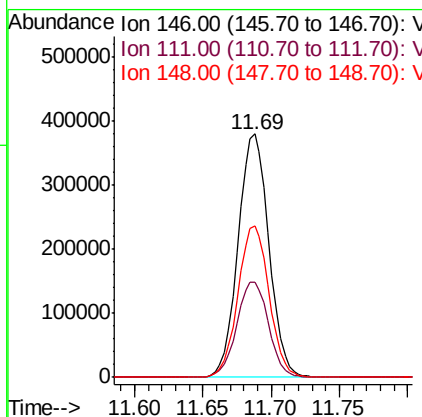
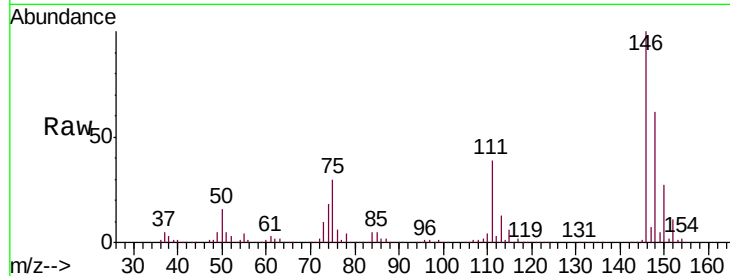




#65
 1,2-Dichlorobenzene
 Concen: 49.741 ug/L
 RT: 11.69 min Scan# 3296
 Delta R.T. -0.00 min
 Lab File: VV012757.D
 Acq: 14 Sep 2019 04:51

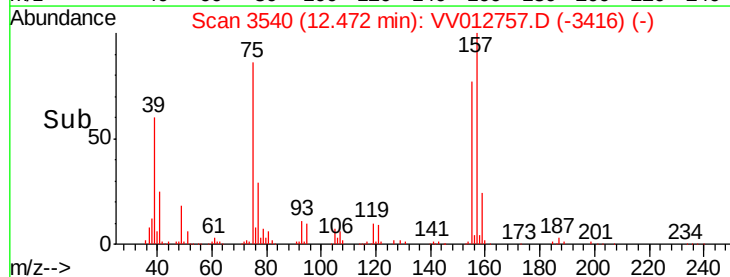
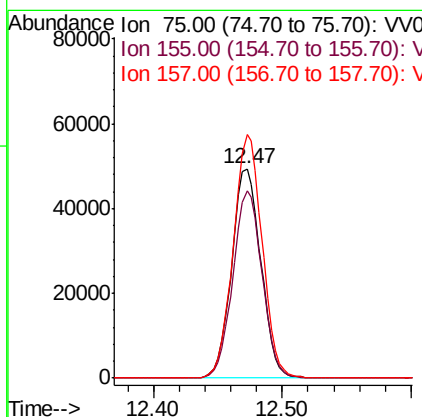
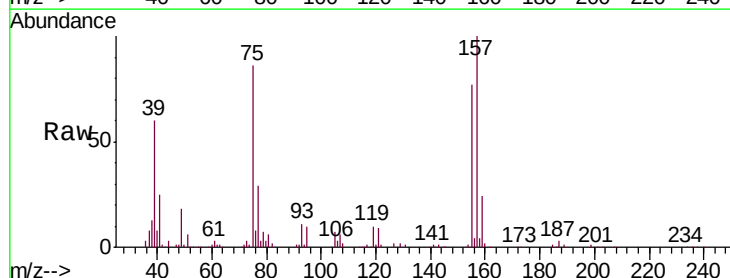
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05069

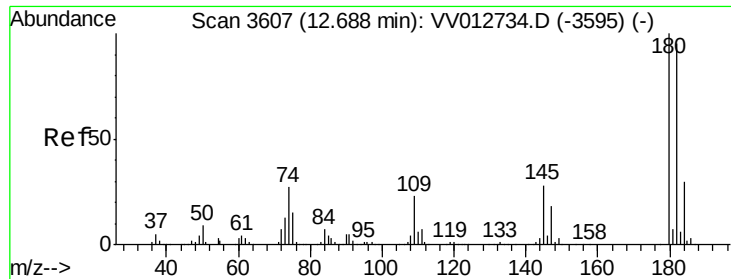
Tgt Ion: 146 Resp: 595161
 Ion Ratio Lower Upper
 146 100
 111 39.1 32.2 48.2
 148 62.4 51.5 77.3



#66
 1,2-Dibromo-3-chloropropane
 Concen: 48.839 ug/L
 RT: 12.47 min Scan# 3540
 Delta R.T. -0.00 min
 Lab File: VV012757.D
 Acq: 14 Sep 2019 04:51

Tgt Ion: 75 Resp: 78012
 Ion Ratio Lower Upper
 75 100
 155 89.4 73.4 110.0
 157 116.4 90.2 135.2

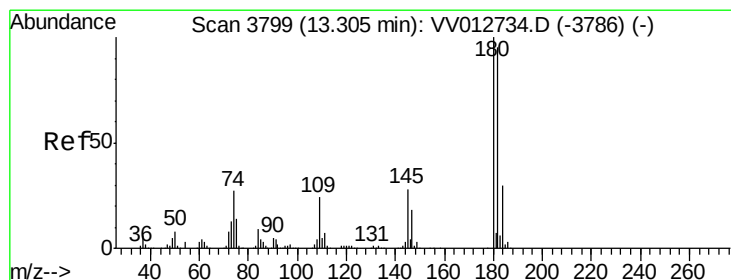
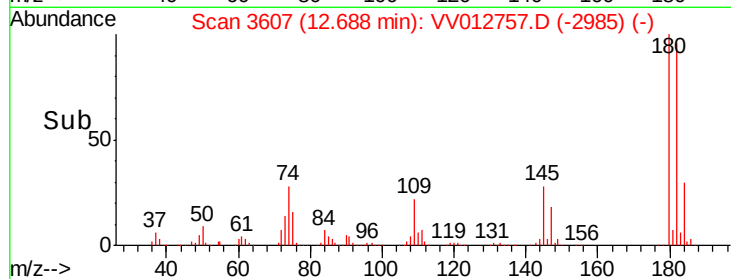
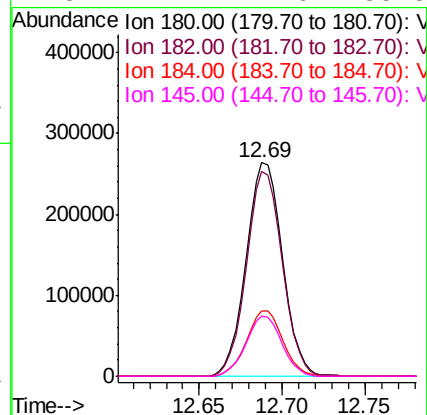
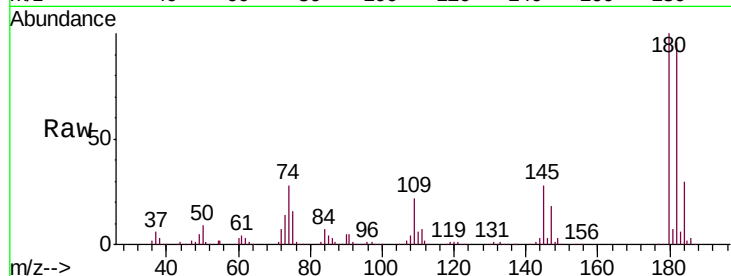




#67
 1,3,5-Trichlorobenzene
 Concen: 47.948 ug/L
 RT: 12.69 min Scan# 3607
 Delta R.T. -0.00 min
 Lab File: VV012757.D
 Acq: 14 Sep 2019 04:51

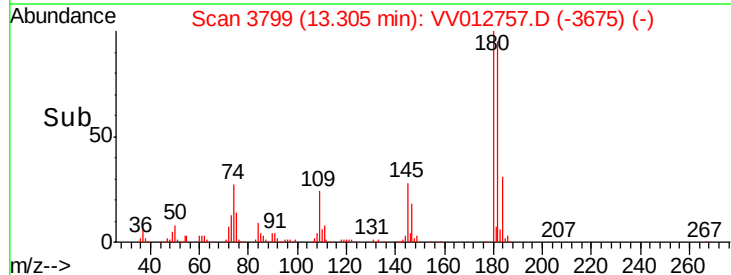
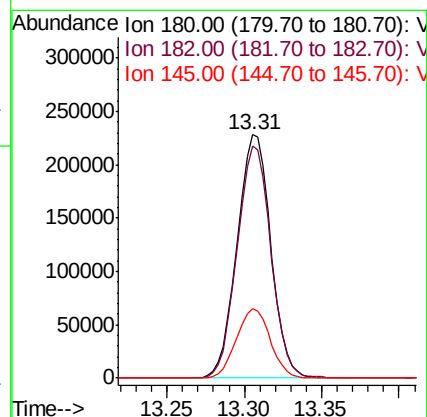
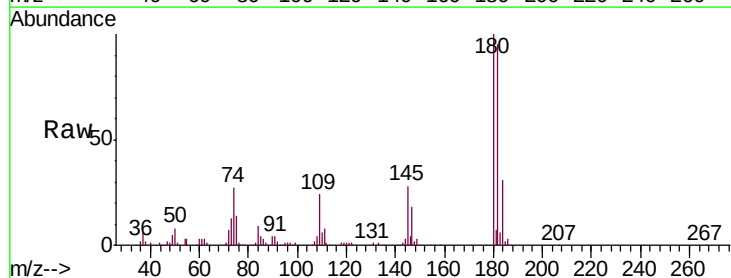
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05069

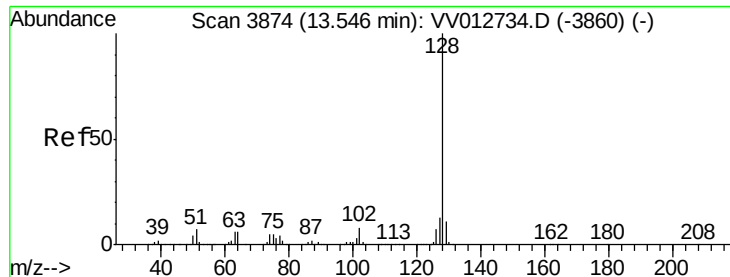
Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.5	76.7	115.1
184	30.6	24.4	36.6
145	27.7	22.6	33.8



#68
 1,2,4-trichlorobenzene
 Concen: 48.558 ug/L
 RT: 13.31 min Scan# 3799
 Delta R.T. 0.00 min
 Lab File: VV012757.D
 Acq: 14 Sep 2019 04:51

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.6	76.8	115.2
145	28.6	23.0	34.4





#69

Naphthalene

Concen: 50.963 ug/L

RT: 13.55 min Scan# 3874

Delta R.T. -0.00 min

Lab File: VV012757.D

Acq: 14 Sep 2019 04:51

Instrument :

MSVOA_V

ClientSampleId :

VSTD05069

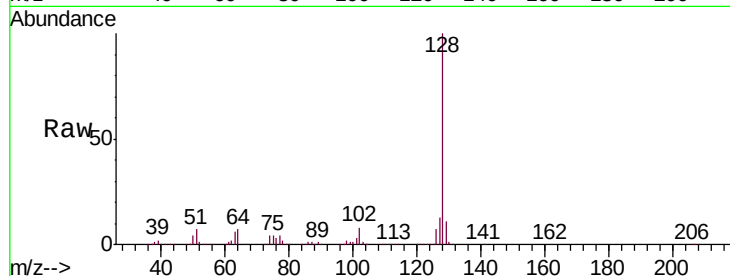
Tgt Ion:128 Resp: 1046511

Ion Ratio Lower Upper

128 100

127 13.0 10.4 15.6

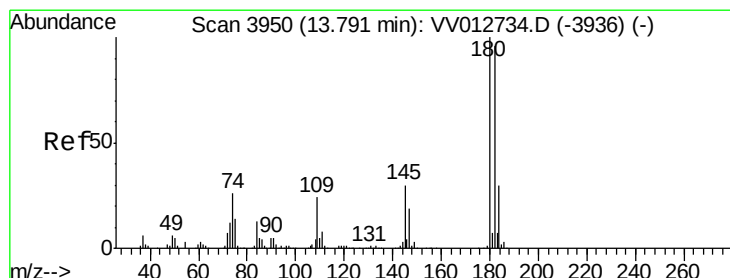
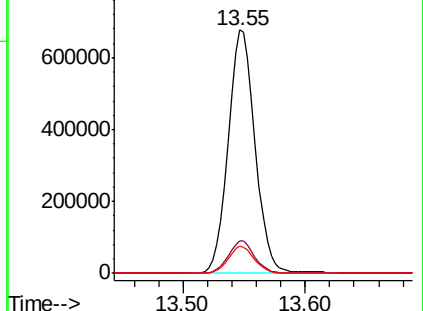
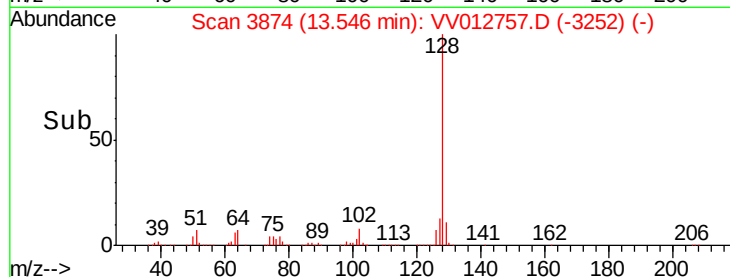
129 10.9 8.8 13.2



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: 49.614 ug/L

RT: 13.79 min Scan# 3950

Delta R.T. -0.00 min

Lab File: VV012757.D

Acq: 14 Sep 2019 04:51

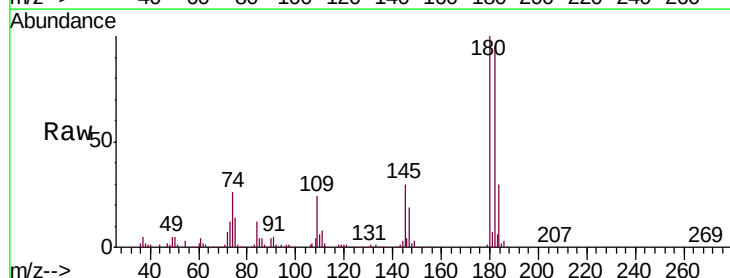
Tgt Ion:180 Resp: 382566

Ion Ratio Lower Upper

180 100

182 95.2 75.6 113.4

145 30.7 24.2 36.2



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

