

Data File : VV012734.D
Acq On : 13 Sep 2019 18:18
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD05068

Quant Time: Sep 14 00:16:45 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM091319WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Sep 13 18:43:16 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	836075	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	790371	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	385782	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	210563	44.44	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	88.88%
7) Chloroethane-d5	1.57	69	192045	45.29	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	90.58%
11) 1,1-Dichloroethene-d2	2.13	63	414550	44.98	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.96%
21) 2-Butanone-d5	3.92	46	508699	103.52	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	103.52%
24) Chloroform-d	4.40	84	552048	47.02	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.04%
26) 1,2-Dichloroethane-d4	5.07	65	343680	48.26	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.52%
32) Benzene-d6	5.09	84	1020096	48.36	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.72%
36) 1,2-Dichloropropane-d6	6.11	67	360622	48.46	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.92%
41) Toluene-d8	7.36	98	957840	49.64	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.28%
43) trans-1,3-Dichloropropene-	7.66	79	156882	50.60	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	101.20%
47) 2-Hexanone-d5	8.13	63	316394	110.81	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	110.81%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	491225	51.59	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	103.18%
64) 1,2-Dichlorobenzene-d4	11.67	152	431202	48.97	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.94%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.14	85	259081	46.285	ug/L	100
3) Chloromethane	1.25	50	268302	45.936	ug/L	98
5) Vinyl chloride	1.32	62	271650	46.516	ug/L	99
6) Bromomethane	1.51	94	125722	38.275	ug/L	99
8) Chloroethane	1.59	64	172744	47.353	ug/L	99
9) Trichlorofluoromethane	1.76	101	382677	46.698	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	235604	46.573	ug/L	99
12) 1,1-Dichloroethene	2.14	96	204683	46.443	ug/L	97
13) Acetone	2.18	43	373165	92.001	ug/L	100
14) Carbon disulfide	2.31	76	433092	45.031	ug/L	99
15) Methyl Acetate	2.45	43	329167	51.125	ug/L	99
16) Methylene chloride	2.53	84	273455	47.289	ug/L	98
17) trans-1,2-Dichloroethene	2.79	96	223655	46.427	ug/L	99
18) Methyl tert-butyl Ether	2.80	73	842179	50.683	ug/L	100
19) 1,1-Dichloroethane	3.23	63	499049	47.926	ug/L	99
20) cis-1,2-Dichloroethene	3.96	96	287991	48.317	ug/L	97
22) 2-Butanone	4.00	43	511163	101.431	ug/L	99

Data File : VV012734.D
Acq On : 13 Sep 2019 18:18
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD05068

Quant Time: Sep 14 00:16:45 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM091319WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Sep 13 18:43:16 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.29	128	146261	48.300	ug/L	99
25) Chloroform	4.42	83	518823	47.427	ug/L	99
27) 1,2-Dichloroethane	5.17	62	398331	48.651	ug/L	99
29) Cyclohexane	4.72	56	378333	50.423	ug/L	98
30) 1,1,1-Trichloroethane	4.65	97	402319	48.680	ug/L	99
31) Carbon tetrachloride	4.87	117	346248	48.658	ug/L	99
33) Benzene	5.14	78	1070580	49.798	ug/L	100
34) Trichloroethene	5.96	95	295608	47.302	ug/L	97
35) Methylcyclohexane	6.17	83	396514	50.297	ug/L	99
37) 1,2-Dichloropropane	6.22	63	310728	50.259	ug/L	100
38) Bromodichloromethane	6.55	83	393863	49.490	ug/L	99
39) cis-1,3-Dichloropropene	7.07	75	449828	51.967	ug/L	100
40) 4-Methyl-2-pentanone	7.27	43	915451	106.990	ug/L	100
42) Toluene	7.43	91	1148152	51.427	ug/L	100
44) trans-1,3-Dichloropropene	7.69	75	391688	51.325	ug/L	99
45) 1,1,2-Trichloroethane	7.88	97	305002	50.563	ug/L	98
46) Tetrachloroethene	8.02	164	211126	48.704	ug/L	98
48) 2-Hexanone	8.18	43	733765	105.696	ug/L	98
49) Dibromochloromethane	8.29	129	319813	50.600	ug/L	97
50) 1,2-Dibromoethane	8.39	107	292267	50.294	ug/L	98
51) Chlorobenzene	8.92	112	754634	49.334	ug/L	100
52) Ethylbenzene	9.05	91	1263369	51.474	ug/L	98
53) m,p-Xylene	9.18	106	474211	52.463	ug/L	99
54) o-xylene	9.59	106	481625	52.487	ug/L	100
55) Styrene	9.60	104	830843	53.383	ug/L	99
56) Isopropylbenzene	9.97	105	1277077	52.969	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.28	83	431488	52.386	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	398039	50.581	ug/L	99
61) Bromoform	9.77	173	232892	49.994	ug/L	98
62) 1,3-Dichlorobenzene	11.22	146	600045	50.357	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	601432	49.205	ug/L	100
65) 1,2-Dichlorobenzene	11.69	146	631388	50.394	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.47	75	83666	50.022	ug/L	97
67) 1,3,5-Trichlorobenzene	12.69	180	446825	50.758	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	384099	51.641	ug/L	100
69) Naphthalene	13.55	128	1191110	55.395	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	423142	52.407	ug/L	99

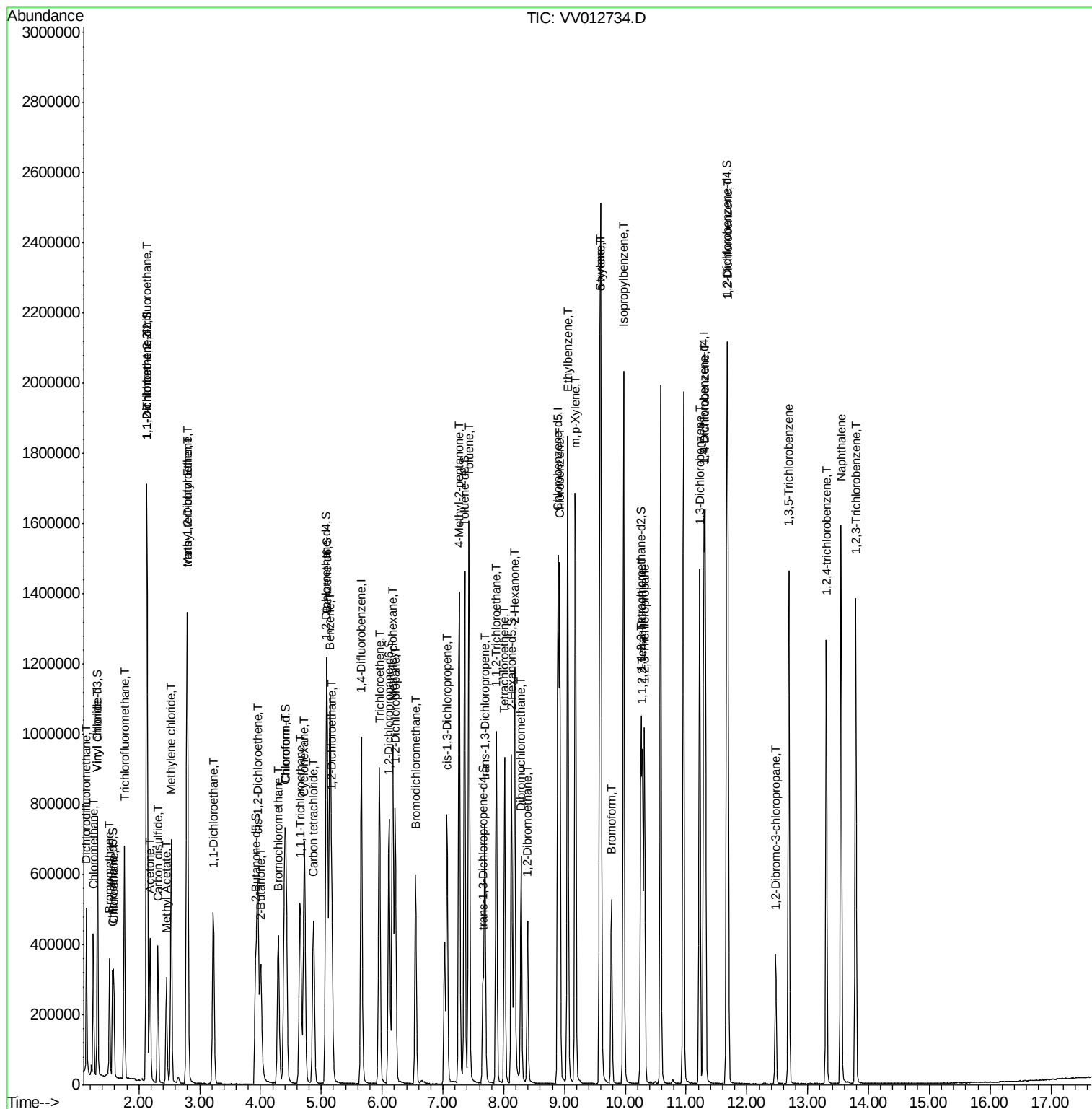
(#) = qualifier out of range (m) = manual integration (+) = signals summed

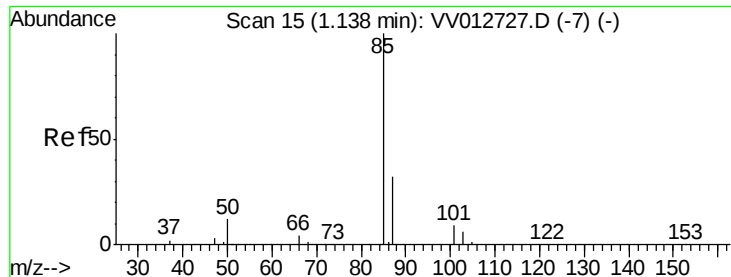
Data File : VV012734.D

```
Acq On       : 13 Sep 2019   18:18
Operator     : SY/MD
Sample       : VSTDCCC050
Misc         : 5.0mL/MSVOA_V/WATER
ALS Vial     : 13      Sample Multiplier: 1
```

Instrument :
MSVOA_V
ClientSampleId :
VSTD05068

Quant Time: Sep 14 00:16:45 2019
Quant Method : Z:\V\OASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM091319WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Sep 13 18:43:16 2019
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 46.285 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV012734.D

Acq: 13 Sep 2019 18:18

Instrument :

MSVOA_V

ClientSampleId :

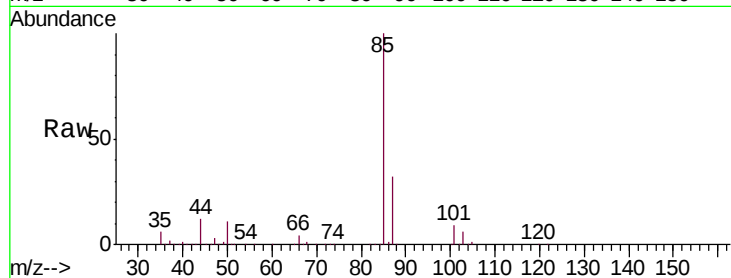
VSTD05068

Tgt Ion: 85 Resp: 259081

Ion Ratio Lower Upper

85 100

87 32.1 25.8 38.6



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0

1.14

250000

200000

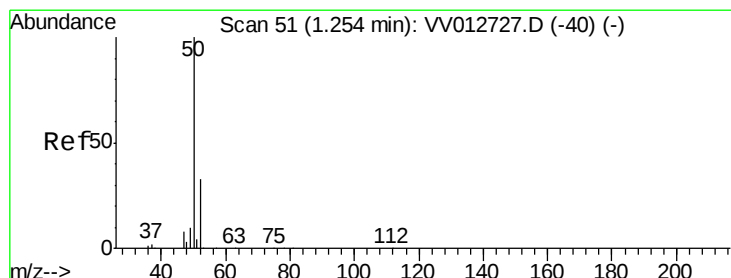
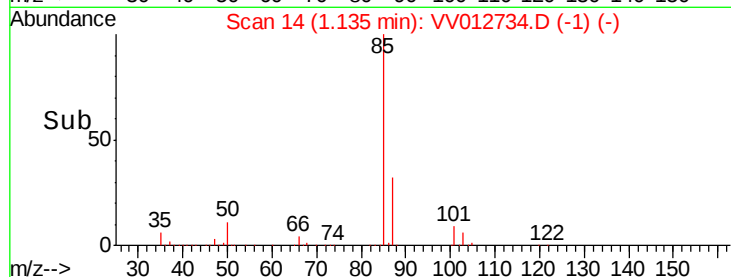
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 45.936 ug/L

RT: 1.25 min Scan# 50

Delta R.T. -0.00 min

Lab File: VV012734.D

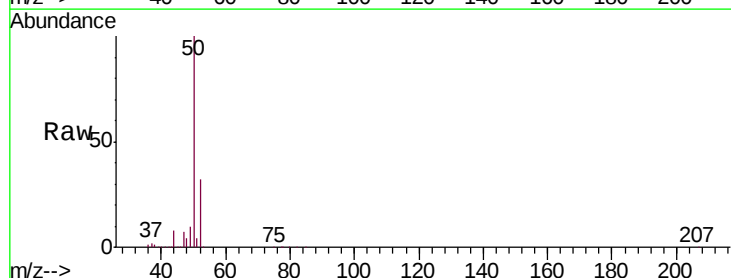
Acq: 13 Sep 2019 18:18

Tgt Ion: 50 Resp: 268302

Ion Ratio Lower Upper

50 100

52 32.1 23.4 43.4



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0

1.25

250000

200000

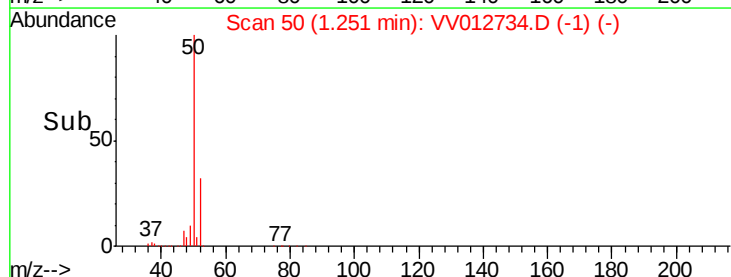
150000

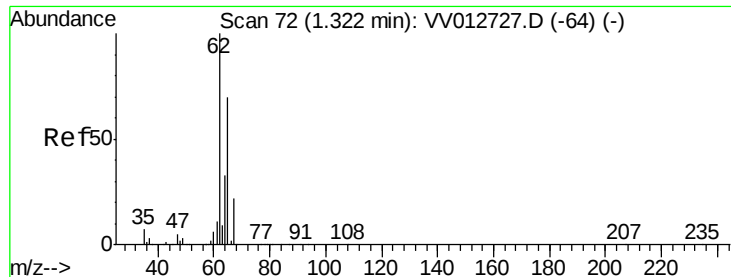
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 46.516 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV012734.D

Acq: 13 Sep 2019 18:18

Instrument :

MSVOA_V

ClientSampleId :

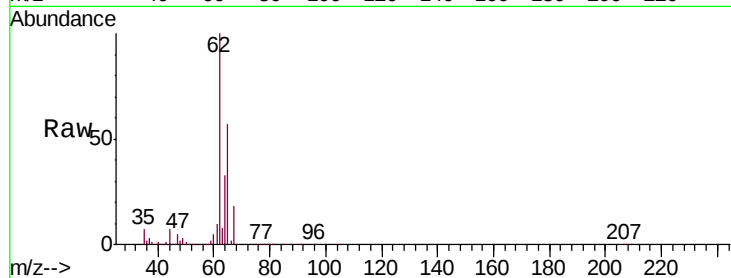
VSTD05068

Tgt Ion: 62 Resp: 271650

Ion Ratio Lower Upper

62 100

64 32.9 23.2 43.2



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0

1.32

250000

200000

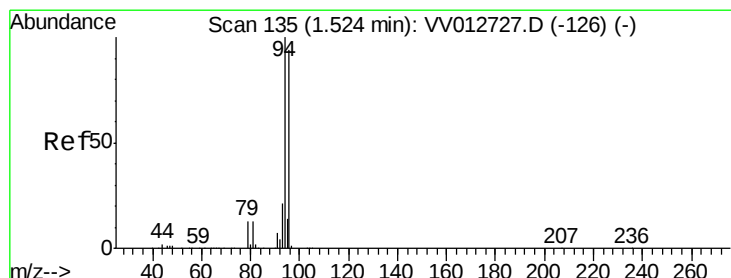
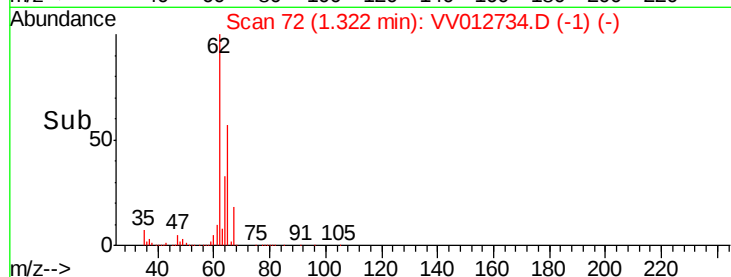
150000

100000

50000

0

Time--> 1.25 1.30 1.35 1.40



#6

Bromomethane

Concen: 38.275 ug/L

RT: 1.51 min Scan# 132

Delta R.T. -0.01 min

Lab File: VV012734.D

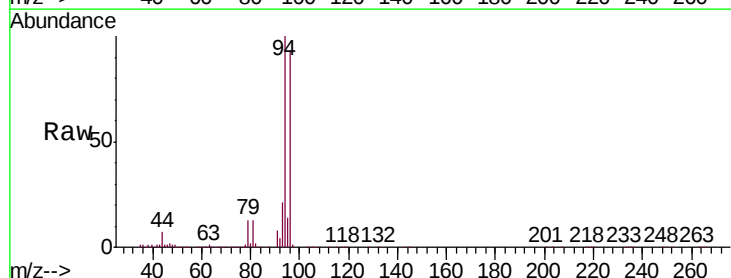
Acq: 13 Sep 2019 18:18

Tgt Ion: 94 Resp: 125722

Ion Ratio Lower Upper

94 100

96 92.9 65.9 122.3



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

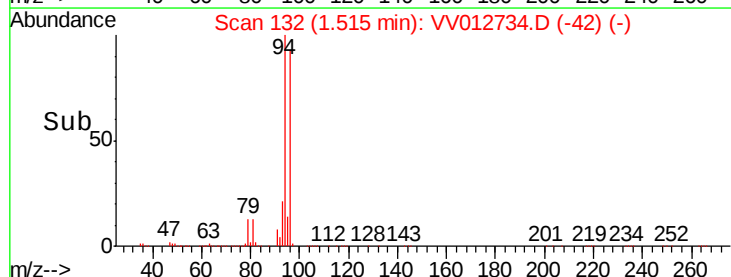
1.51

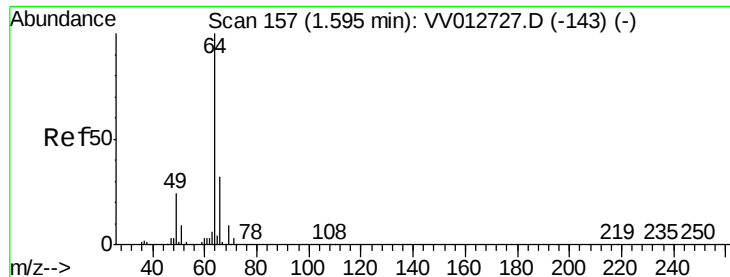
100000

50000

0

Time--> 1.50 1.55

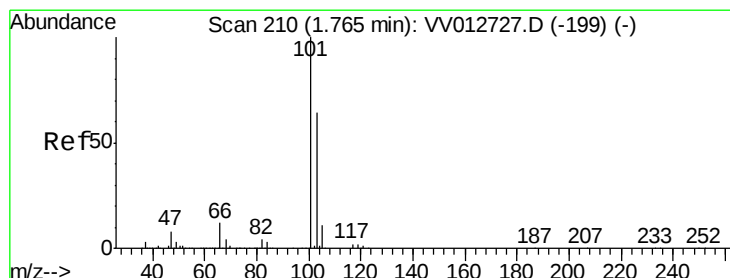
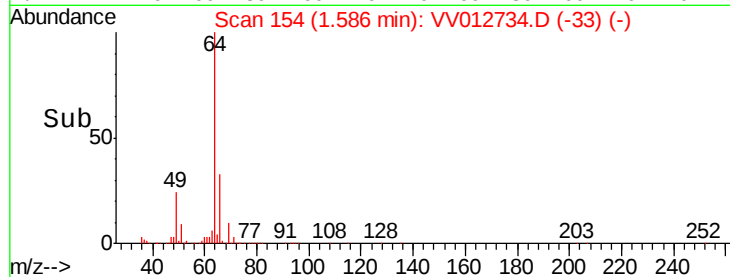
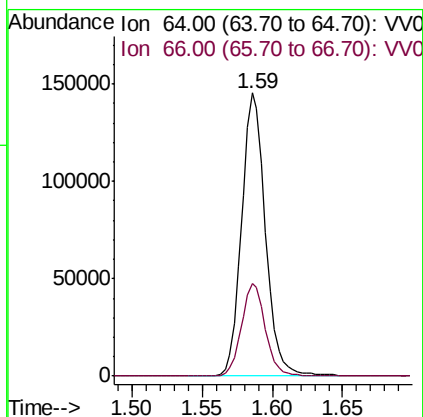
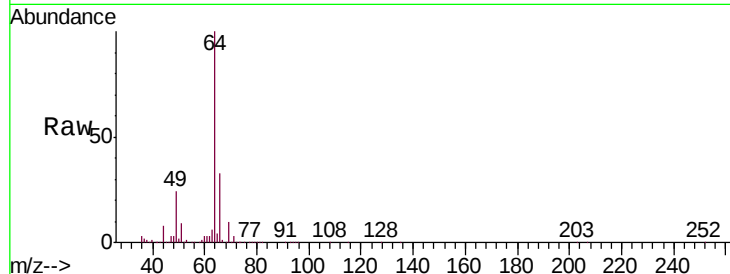




#8
Chloroethane
Concen: 47.353 ug/L
RT: 1.59 min Scan# 154
Delta R.T. -0.01 min
Lab File: VV012734.D
Acq: 13 Sep 2019 18:18

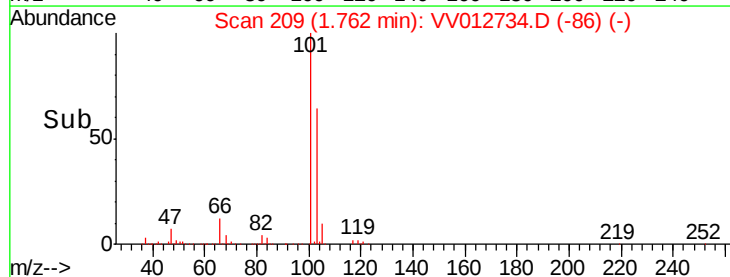
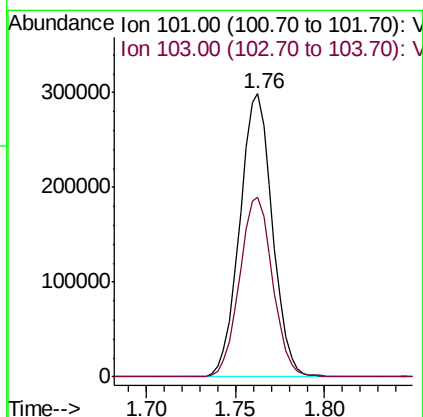
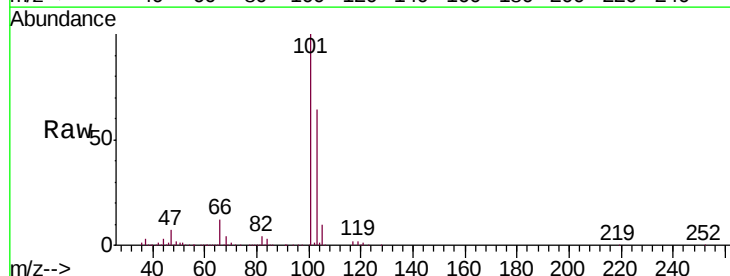
Instrument :
MSVOA_V
ClientSampleId :
VSTD05068

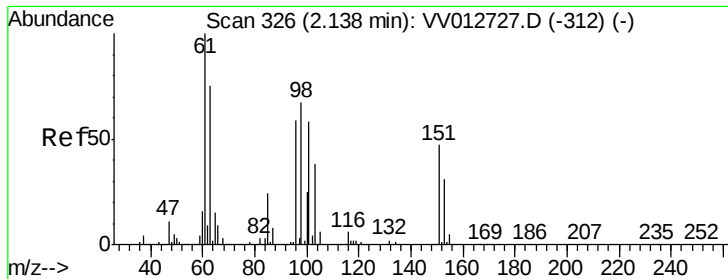
Tgt Ion: 64 Resp: 172744
Ion Ratio Lower Upper
64 100
66 32.7 22.4 41.6



#9
Trichlorofluoromethane
Concen: 46.698 ug/L
RT: 1.76 min Scan# 209
Delta R.T. -0.00 min
Lab File: VV012734.D
Acq: 13 Sep 2019 18:18

Tgt Ion: 101 Resp: 382677
Ion Ratio Lower Upper
101 100
103 64.6 51.4 77.2





#10

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

Concen: 46.573 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.01 min

Lab File: VV012734.D

Acq: 13 Sep 2019 18:18

Instrument :

MSVOA_V

ClientSampleId :

VSTD05068

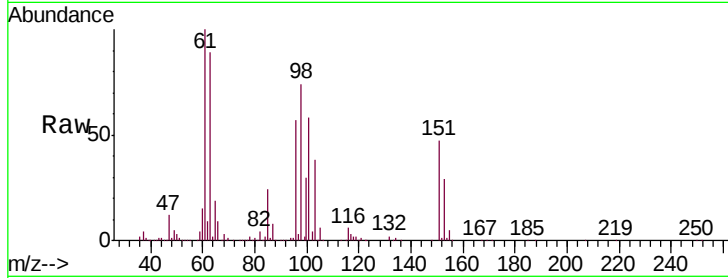
Tgt Ion: 101 Resp: 235604

Ion Ratio Lower Upper

101 100

85 41.6 32.7 49.1

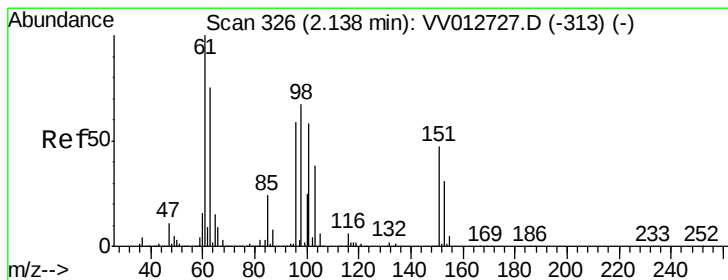
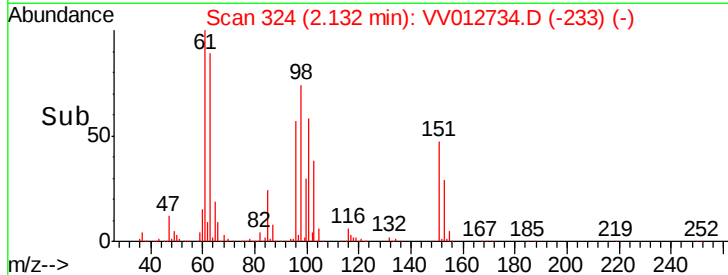
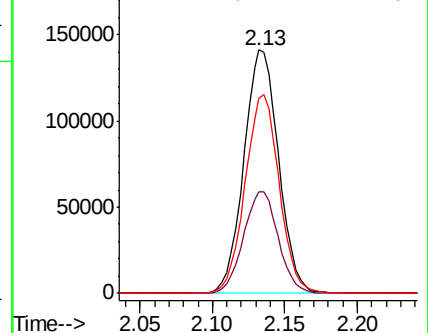
151 80.2 65.0 97.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 46.443 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV012734.D

Acq: 13 Sep 2019 18:18

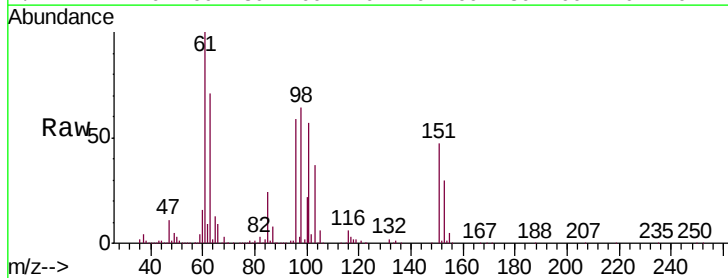
Tgt Ion: 96 Resp: 204683

Ion Ratio Lower Upper

96 100

61 169.3 118.0 219.2

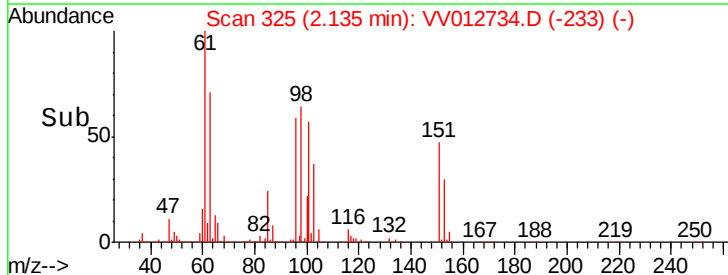
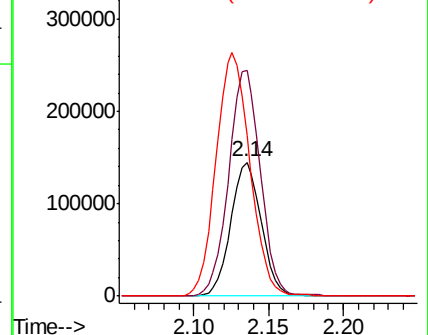
63 119.8 89.2 165.6

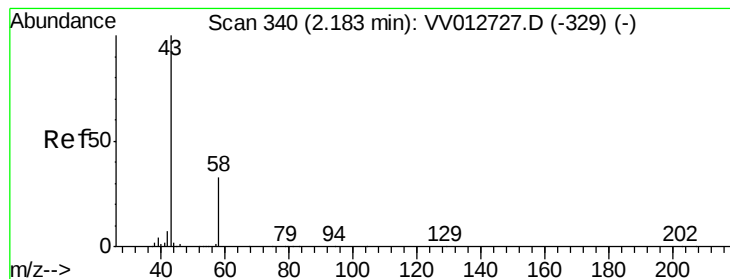


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 92.001 ug/L

RT: 2.18 min Scan# 340

Delta R.T. 0.00 min

Lab File: VV012734.D

Acq: 13 Sep 2019 18:18

Instrument :

MSVOA_V

ClientSampled :

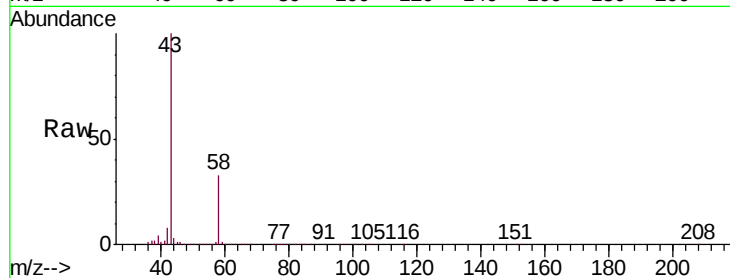
VSTD05068

Tgt Ion: 43 Resp: 373165

Ion Ratio Lower Upper

43 100

58 32.9 0.0 66.4



Abundance Ion 43.00 (42.70 to 43.70): VV012727.D (-329) (-)

Ion 58.00 (57.70 to 58.70): VV012727.D (-329) (-)

2.18

250000

200000

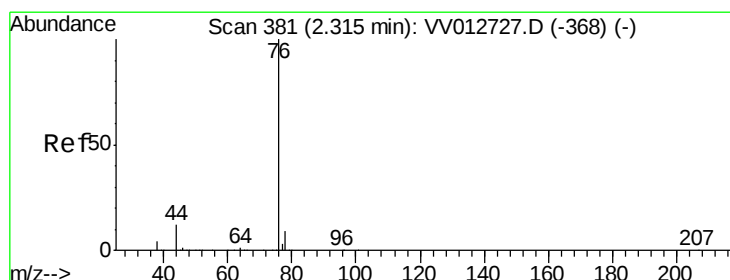
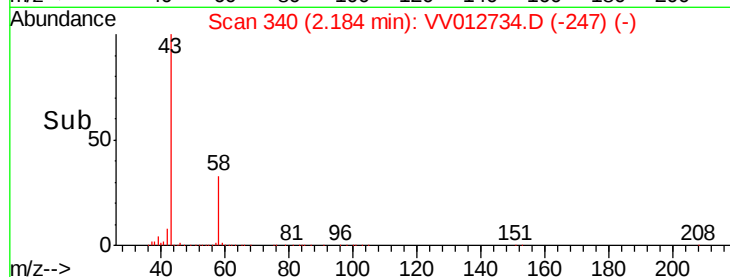
150000

100000

50000

0

Time--> 2.10 2.15 2.20 2.25



#14

Carbon disulfide

Concen: 45.031 ug/L

RT: 2.31 min Scan# 380

Delta R.T. -0.00 min

Lab File: VV012734.D

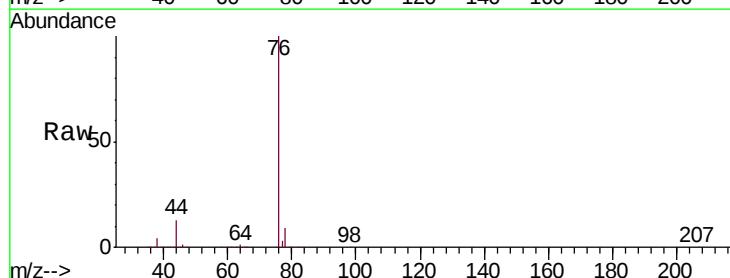
Acq: 13 Sep 2019 18:18

Tgt Ion: 76 Resp: 433092

Ion Ratio Lower Upper

76 100

78 9.4 7.2 10.8



Abundance Ion 76.00 (75.70 to 76.70): VV012727.D (-368) (-)

Ion 78.00 (77.70 to 78.70): VV012727.D (-368) (-)

2.31

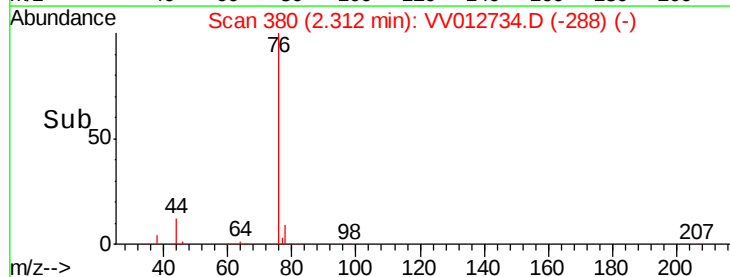
300000

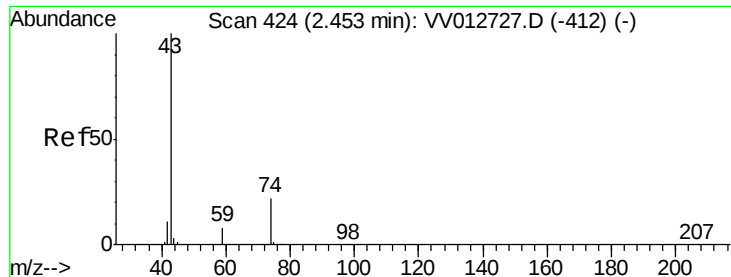
200000

100000

0

Time--> 2.25 2.30 2.35

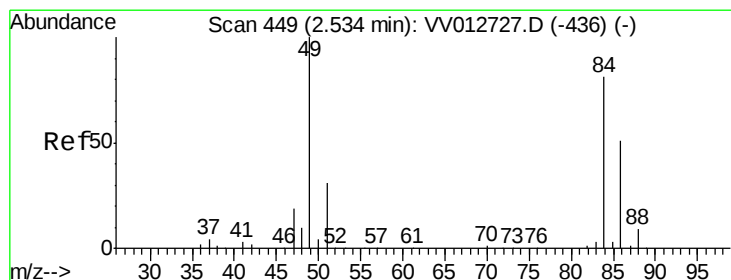
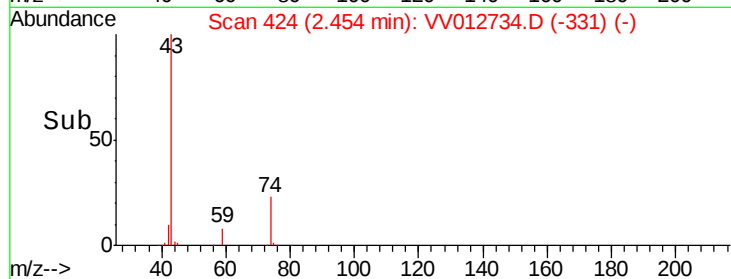
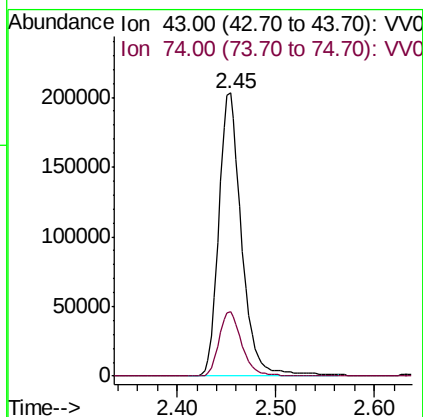
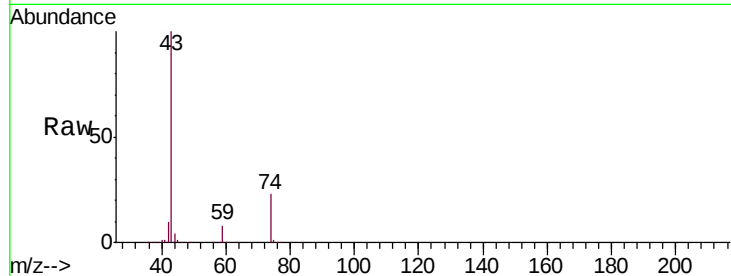




#15
Methyl Acetate
Concen: 51.125 ug/L
RT: 2.45 min Scan# 424
Delta R.T. 0.00 min
Lab File: VV012734.D
Acq: 13 Sep 2019 18:18

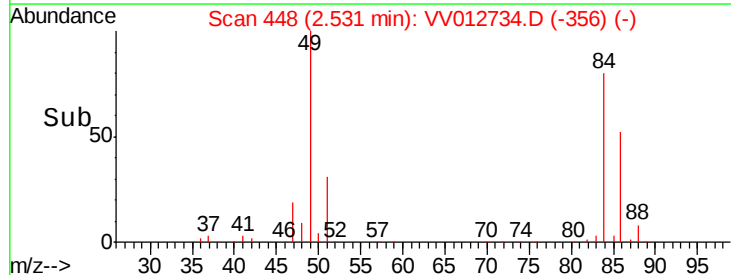
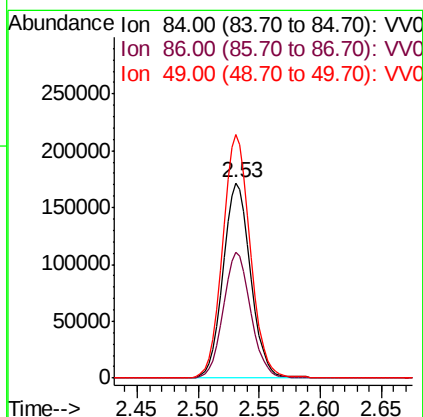
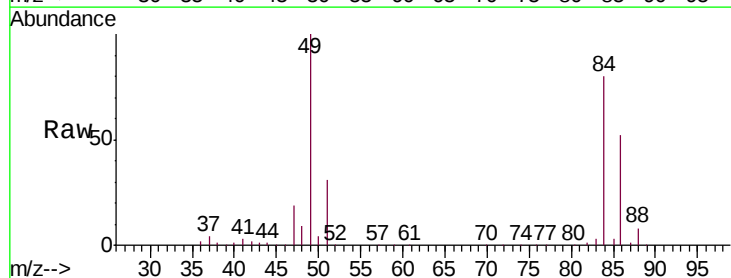
Instrument :
MSVOA_V
ClientSampleId :
VSTD05068

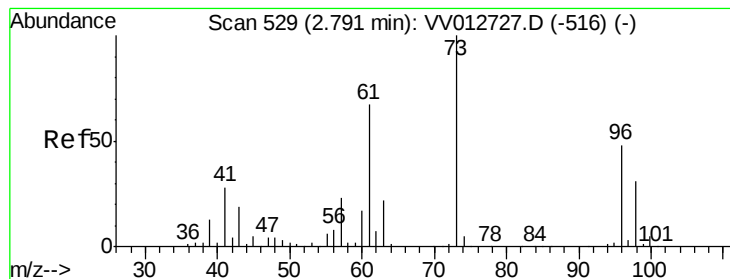
Tgt Ion: 43 Resp: 329167
Ion Ratio Lower Upper
43 100
74 22.7 18.6 27.8



#16
Methylene chloride
Concen: 47.289 ug/L
RT: 2.53 min Scan# 448
Delta R.T. -0.00 min
Lab File: VV012734.D
Acq: 13 Sep 2019 18:18

Tgt Ion: 84 Resp: 273455
Ion Ratio Lower Upper
84 100
86 64.6 44.0 81.8
49 124.8 86.2 160.0





#17

trans-1,2-Dichloroethene

Concen: 46.427 ug/L

RT: 2.79 min Scan# 528

Delta R.T. -0.00 min

Lab File: VV012734.D

Acq: 13 Sep 2019 18:18

Instrument :

MSVOA_V

ClientSampleId :

VSTD05068

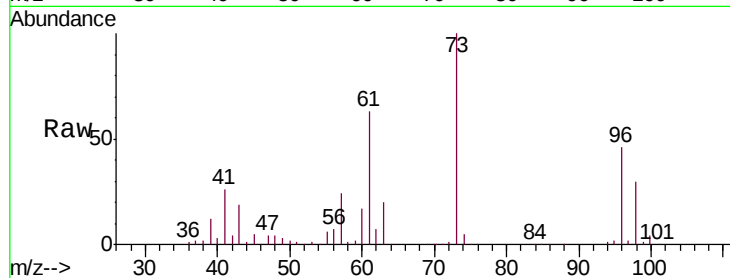
Tgt Ion: 96 Resp: 223655

Ion Ratio Lower Upper

96 100

61 138.2 98.3 182.5

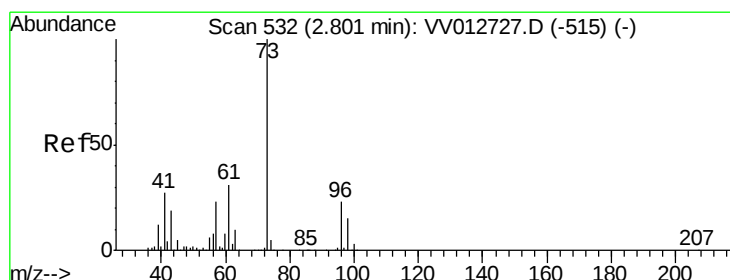
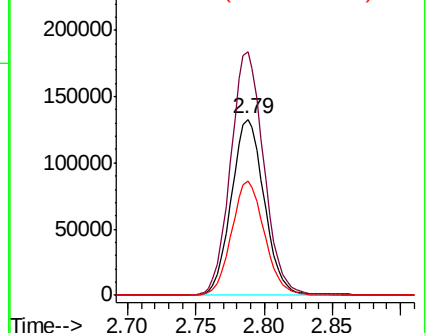
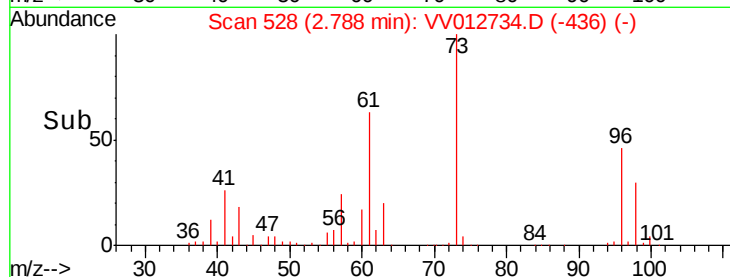
98 64.9 45.0 83.6



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: 50.683 ug/L

RT: 2.80 min Scan# 531

Delta R.T. -0.00 min

Lab File: VV012734.D

Acq: 13 Sep 2019 18:18

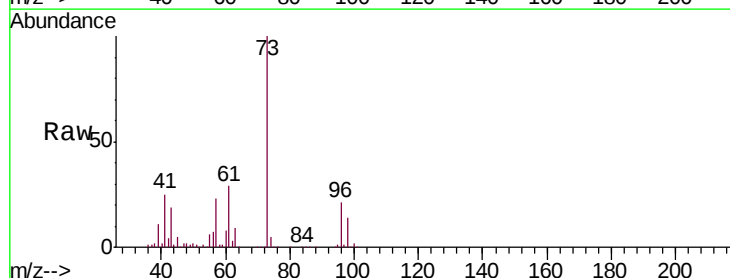
Tgt Ion: 73 Resp: 842179

Ion Ratio Lower Upper

73 100

43 19.0 15.4 23.2

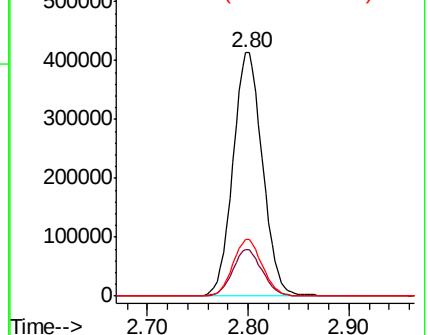
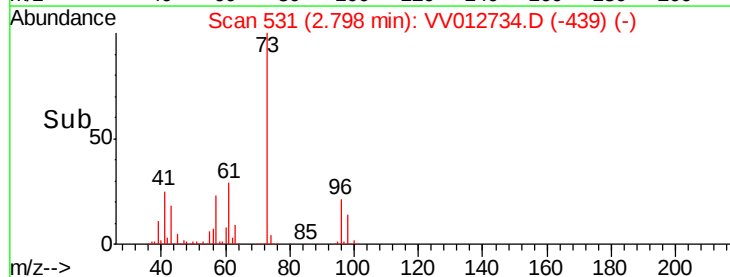
57 23.2 18.4 27.6

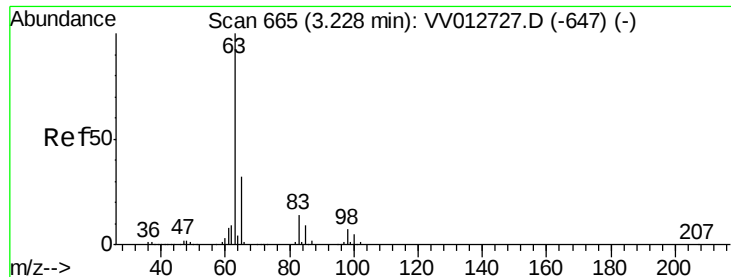


Abundance Ion 73.00 (72.70 to 73.70): VV0

Ion 43.00 (42.70 to 43.70): VV0

Ion 57.00 (56.70 to 57.70): VV0





#19

1,1-Dichloroethane

Concen: 47.926 ug/L

RT: 3.23 min Scan# 664

Delta R.T. -0.00 min

Lab File: VV012734.D

Acq: 13 Sep 2019 18:18

Instrument :

MSVOA_V

ClientSampleId :

VSTD05068

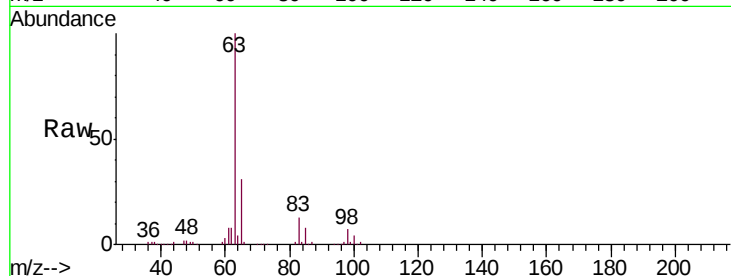
Tgt Ion: 63 Resp: 499049

Ion Ratio Lower Upper

63 100

65 31.0 22.2 41.2

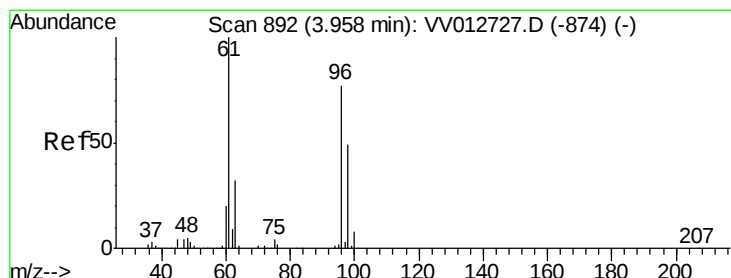
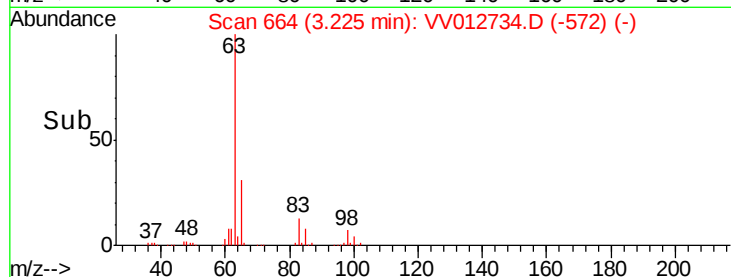
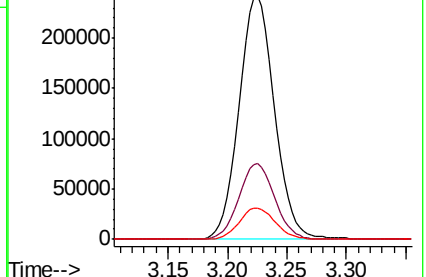
83 13.0 9.6 17.8



Abundance Ion 63.00 (62.70 to 63.70): VV012727.D (-647) (-)

Ion 65.00 (64.70 to 65.70): VV012727.D (-647) (-)

Ion 83.00 (82.70 to 83.70): VV012727.D (-647) (-)



#20

cis-1,2-Dichloroethene

Concen: 48.317 ug/L

RT: 3.96 min Scan# 891

Delta R.T. -0.00 min

Lab File: VV012734.D

Acq: 13 Sep 2019 18:18

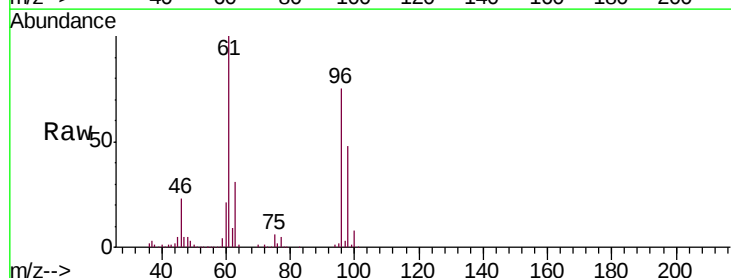
Tgt Ion: 96 Resp: 287991

Ion Ratio Lower Upper

96 100

61 133.3 90.6 168.3

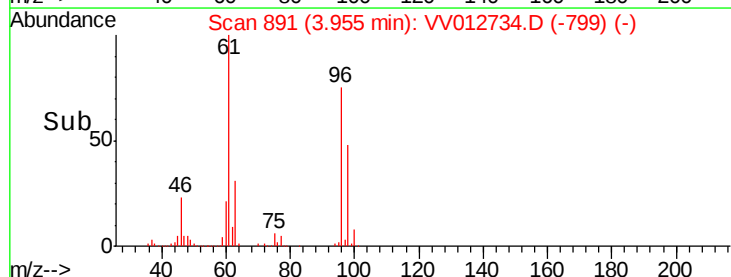
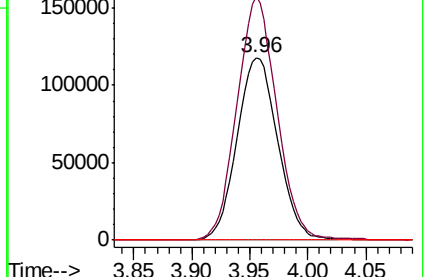
68 0.0 0.0 0.0

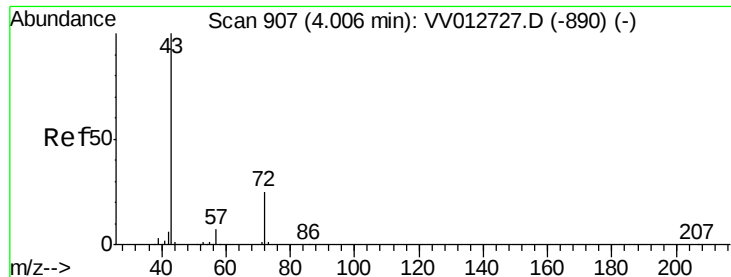


Abundance Ion 96.00 (95.70 to 96.70): VV012727.D (-874) (-)

Ion 61.00 (60.70 to 61.70): VV012727.D (-874) (-)

Ion 68.00 (67.70 to 68.70): VV012727.D (-874) (-)





#22

2-Butanone

Concen: 101.431 ug/L

RT: 4.00 min Scan# 906

Delta R.T. -0.00 min

Lab File: VV012734.D

Acq: 13 Sep 2019 18:18

Instrument :

MSVOA_V

ClientSampleId :

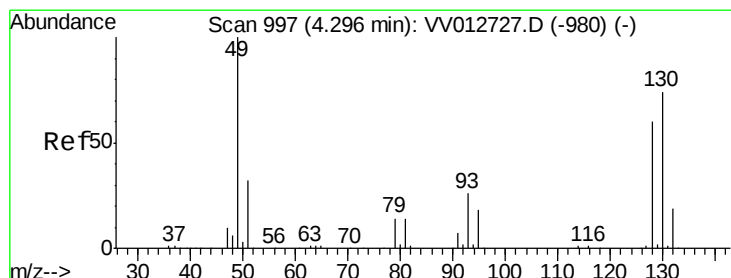
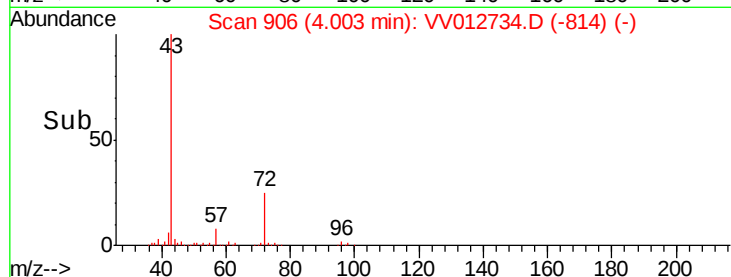
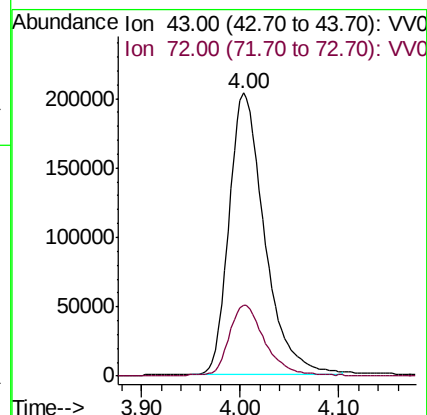
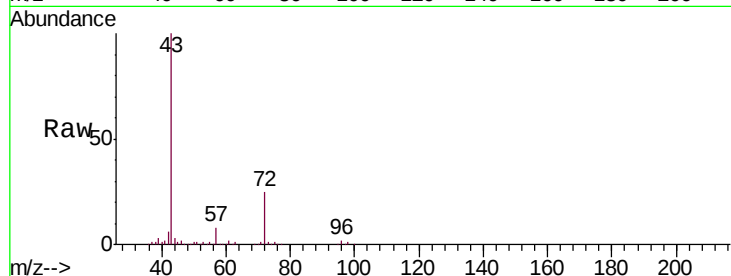
VSTD05068

Tgt Ion: 43 Resp: 511163

Ion Ratio Lower Upper

43 100

72 26.1 13.2 39.6



#23

Bromochloromethane

Concen: 48.300 ug/L

RT: 4.29 min Scan# 996

Delta R.T. -0.00 min

Lab File: VV012734.D

Acq: 13 Sep 2019 18:18

Tgt Ion: 128 Resp: 146261

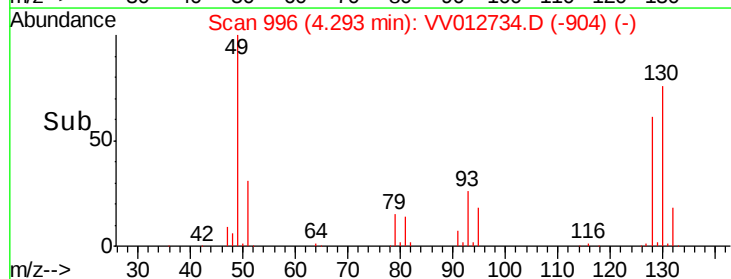
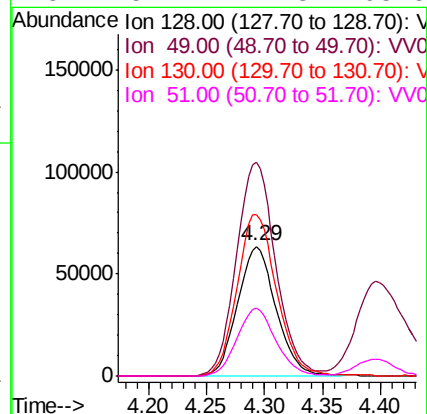
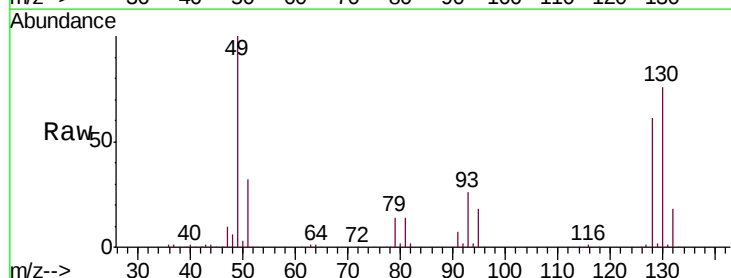
Ion Ratio Lower Upper

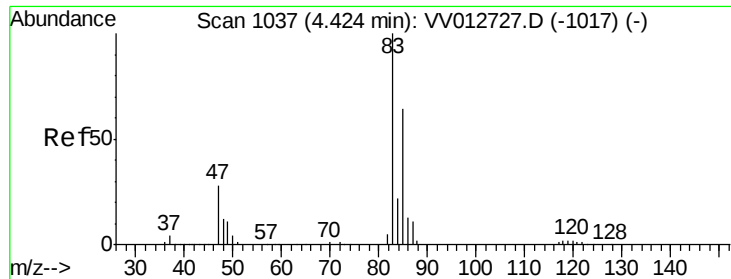
128 100

49 165.0 117.2 217.8

130 124.8 86.7 160.9

51 52.4 42.3 63.5

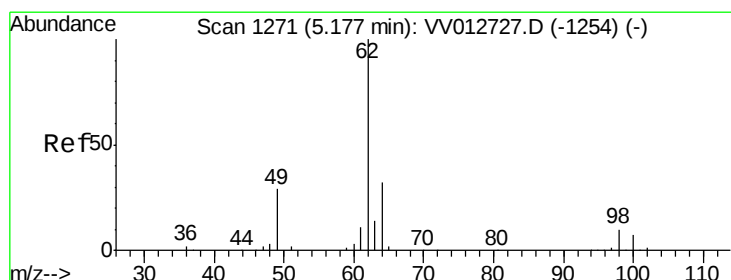
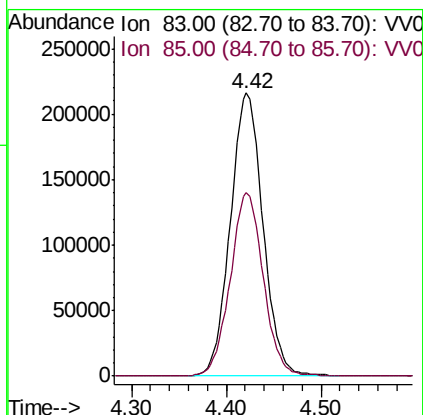
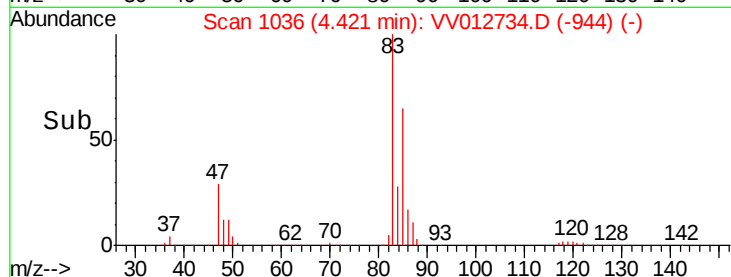
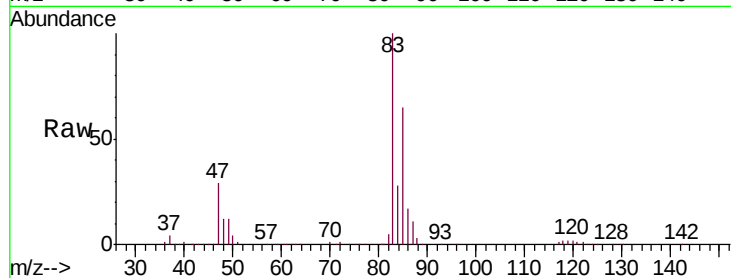




#25
Chloroform
Concen: 47.427 ug/L
RT: 4.42 min Scan# 1036
Delta R.T. -0.00 min
Lab File: VV012734.D
Acq: 13 Sep 2019 18:18

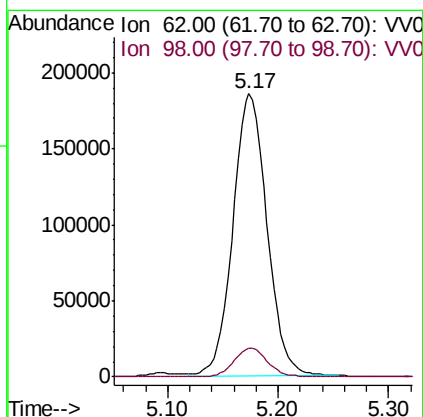
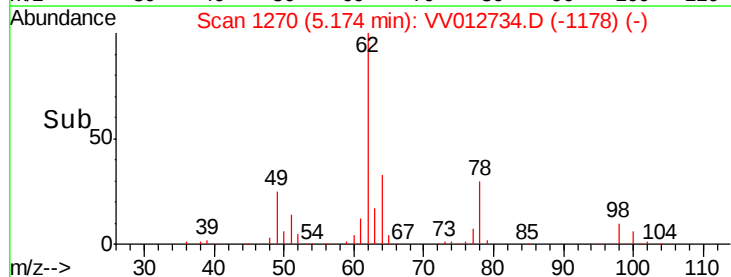
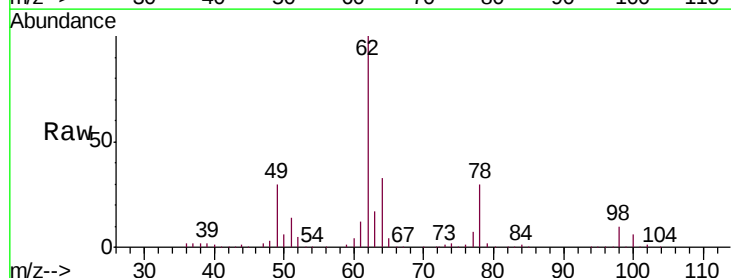
Instrument :
MSVOA_V
ClientSampleId :
VSTD05068

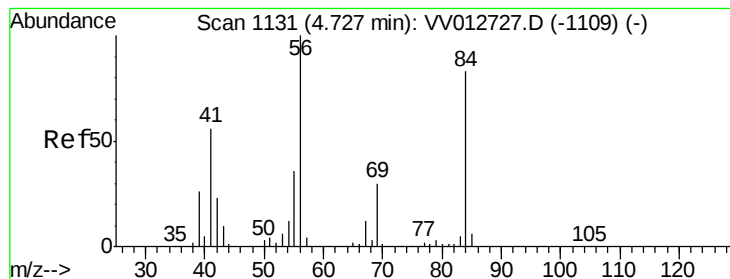
Tgt Ion: 83 Resp: 518823
Ion Ratio Lower Upper
83 100
85 64.9 45.1 83.9



#27
1,2-Dichloroethane
Concen: 48.651 ug/L
RT: 5.17 min Scan# 1270
Delta R.T. -0.00 min
Lab File: VV012734.D
Acq: 13 Sep 2019 18:18

Tgt Ion: 62 Resp: 398331
Ion Ratio Lower Upper
62 100
98 10.1 7.7 11.5





#29

Cyclohexane

Concen: 50.423 ug/L

RT: 4.72 min Scan# 1130

Delta R.T. -0.00 min

Lab File: VV012734.D

Acq: 13 Sep 2019 18:18

Instrument :

MSVOA_V

ClientSampleId :

VSTD05068

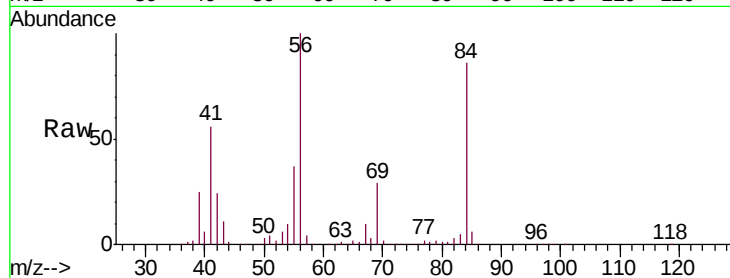
Tgt Ion: 56 Resp: 378333

Ion Ratio Lower Upper

56 100

69 29.2 24.2 36.2

84 85.3 69.8 104.6

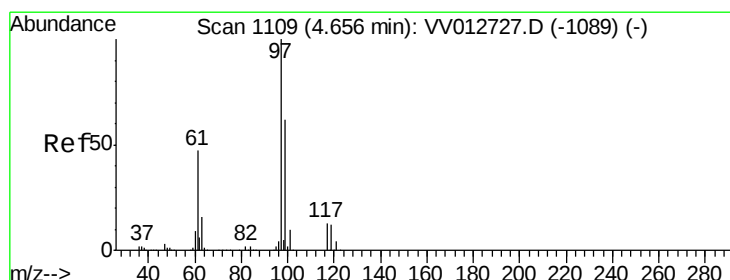
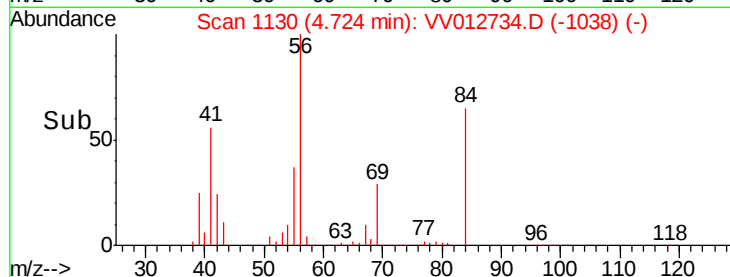
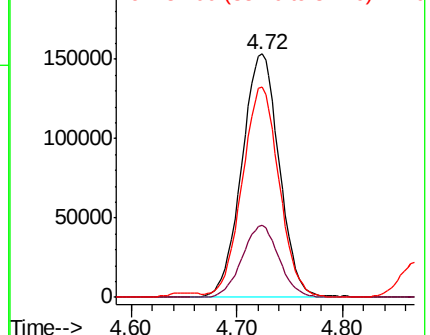


Abundance

Ion 56.00 (55.70 to 56.70): VV0

Ion 69.00 (68.70 to 69.70): VV0

Ion 84.00 (83.70 to 84.70): VV0



#30

1,1,1-Trichloroethane

Concen: 48.680 ug/L

RT: 4.65 min Scan# 1108

Delta R.T. -0.00 min

Lab File: VV012734.D

Acq: 13 Sep 2019 18:18

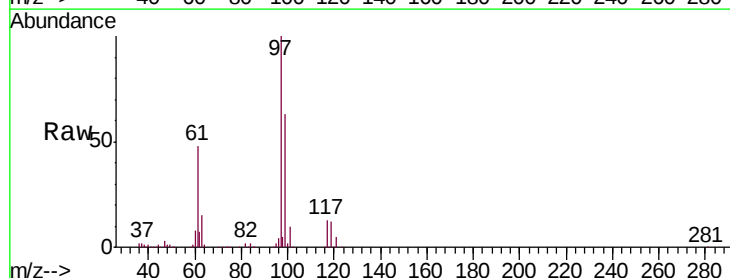
Tgt Ion: 97 Resp: 402319

Ion Ratio Lower Upper

97 100

99 63.7 50.6 75.8

61 46.9 37.8 56.8

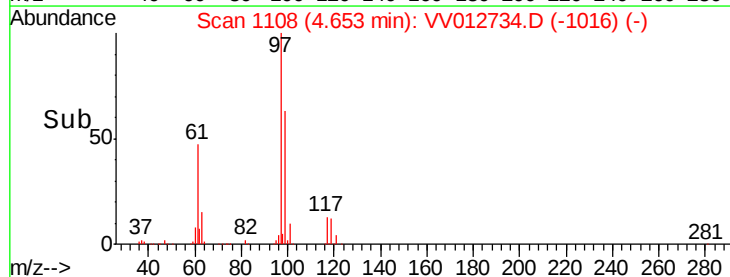
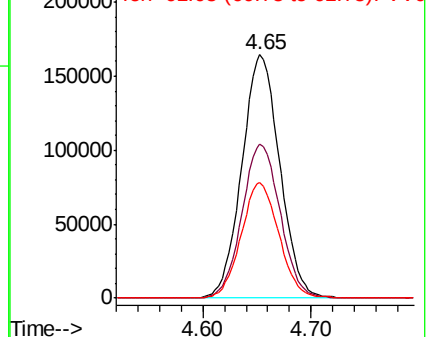


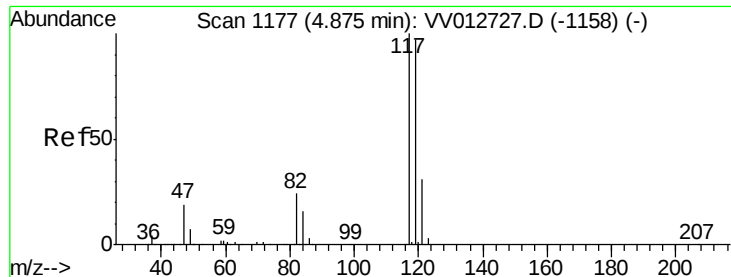
Abundance

Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

Ion 61.05 (60.75 to 61.75): VV0



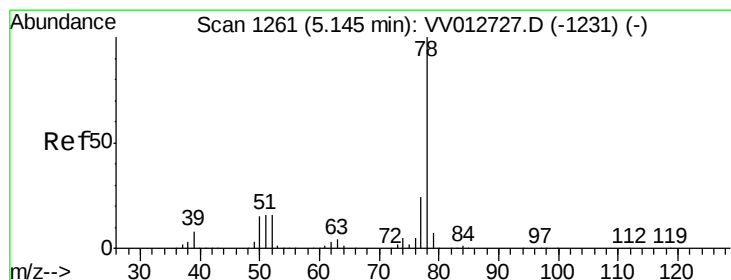
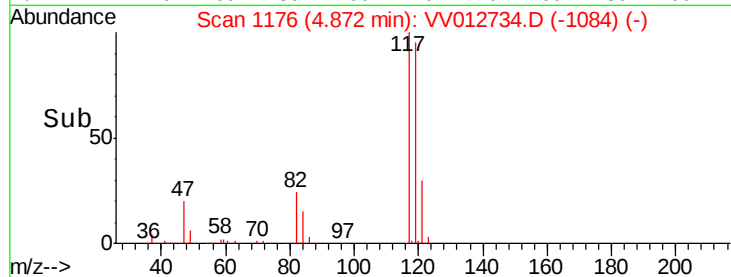
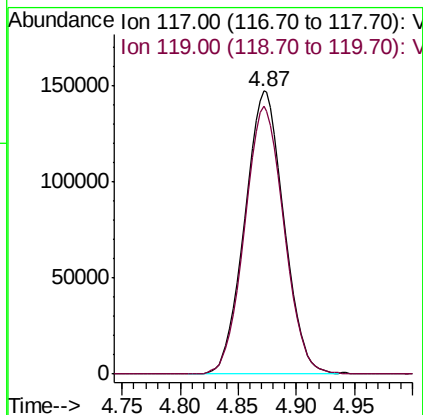
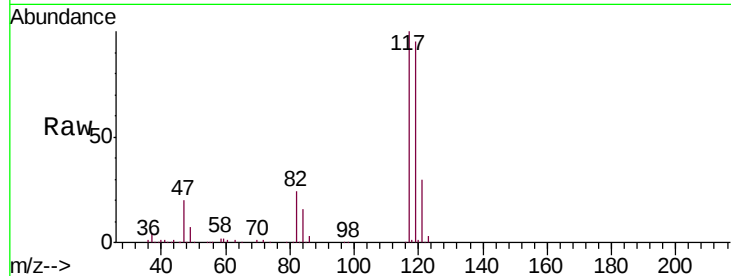


#31

Carbon tetrachloride
 Concen: 48.658 ug/L
 RT: 4.87 min Scan# 1176
 Delta R.T. -0.00 min
 Lab File: VV012734.D
 Acq: 13 Sep 2019 18:18

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05068

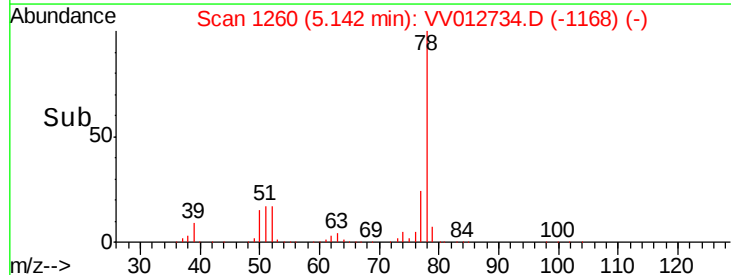
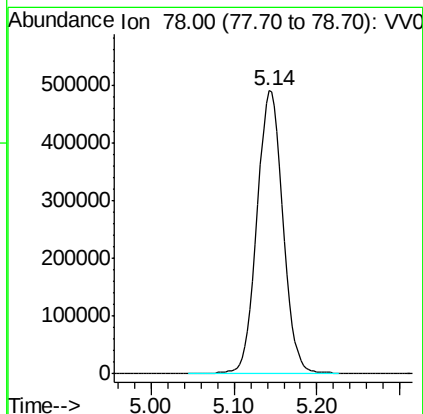
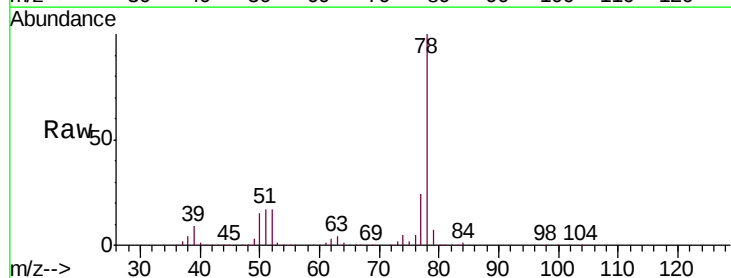
Tgt Ion:117 Resp: 346248
 Ion Ratio Lower Upper
 117 100
 119 95.3 77.1 115.7

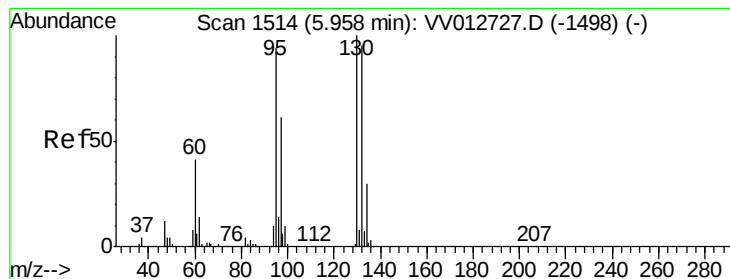


#33

Benzene
 Concen: 49.798 ug/L
 RT: 5.14 min Scan# 1260
 Delta R.T. -0.00 min
 Lab File: VV012734.D
 Acq: 13 Sep 2019 18:18

Tgt Ion: 78 Resp: 1070580





#34

Trichloroethene

Concen: 47.302 ug/L

RT: 5.96 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VV012734.D

Acq: 13 Sep 2019 18:18

Instrument :

MSVOA_V

ClientSampleId :

VSTD05068

Tgt Ion: 95 Resp: 295608

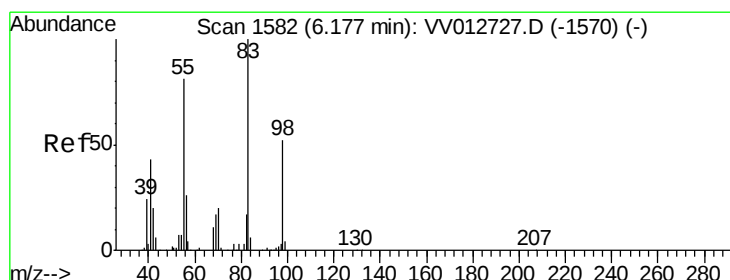
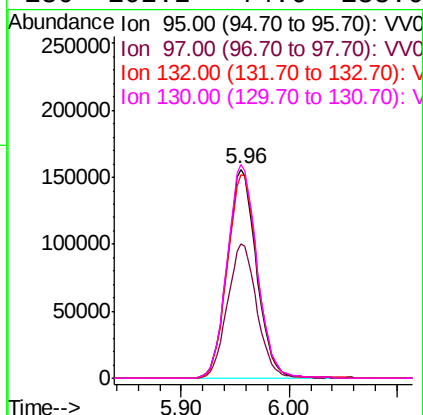
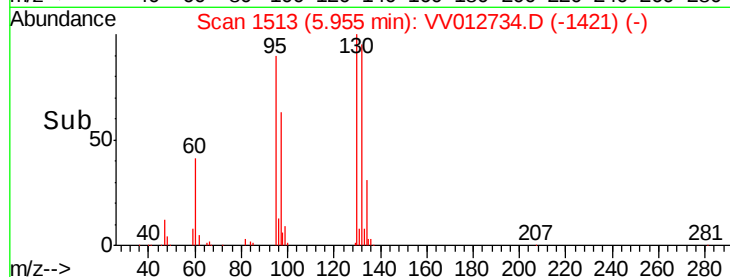
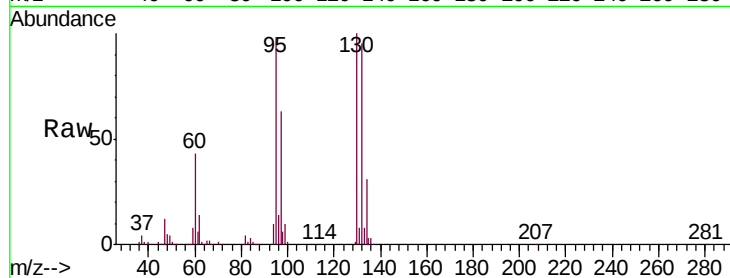
Ion Ratio Lower Upper

95 100

97 64.2 45.1 83.9

132 97.2 70.6 131.0

130 102.2 74.6 138.6



#35

Methylcyclohexane

Concen: 50.297 ug/L

RT: 6.17 min Scan# 1581

Delta R.T. -0.00 min

Lab File: VV012734.D

Acq: 13 Sep 2019 18:18

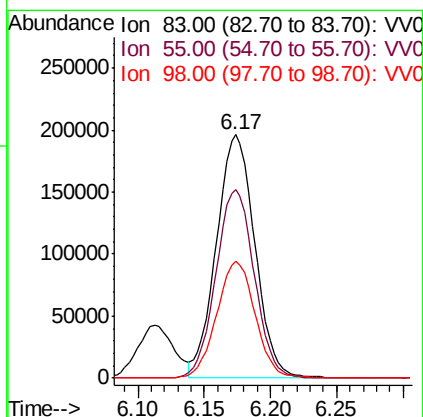
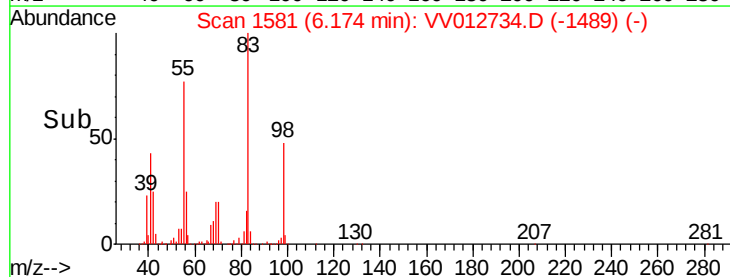
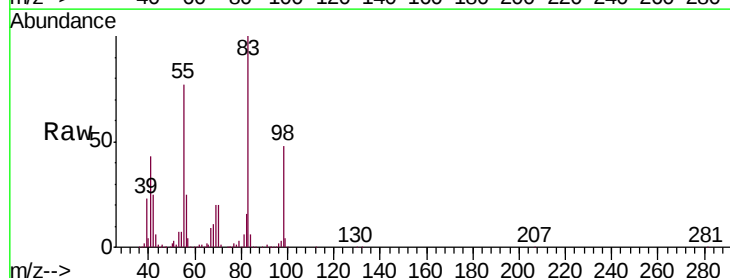
Tgt Ion: 83 Resp: 396514

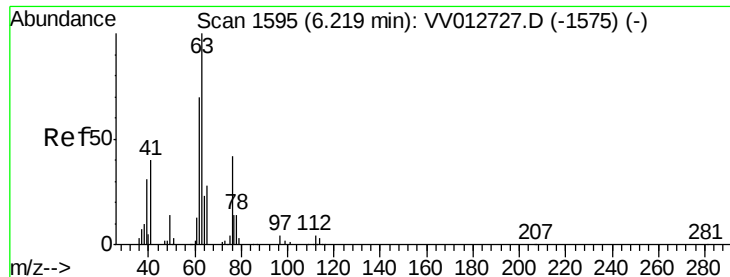
Ion Ratio Lower Upper

83 100

55 77.4 62.2 93.2

98 47.7 39.4 59.0

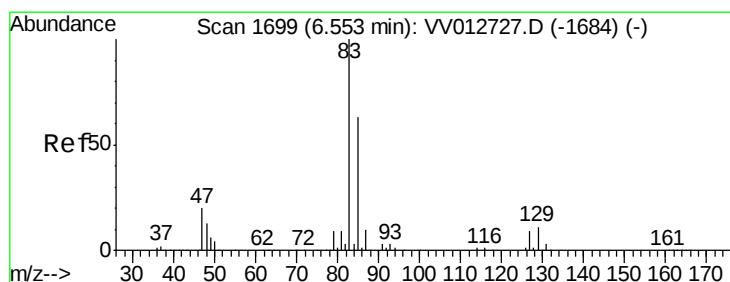
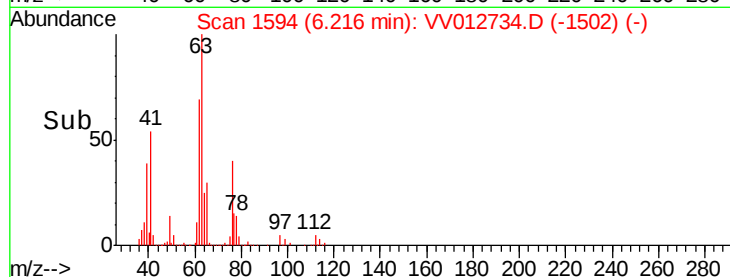
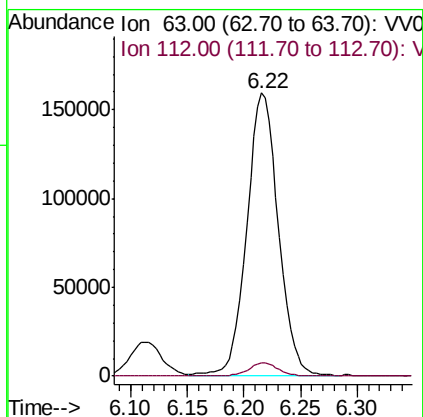
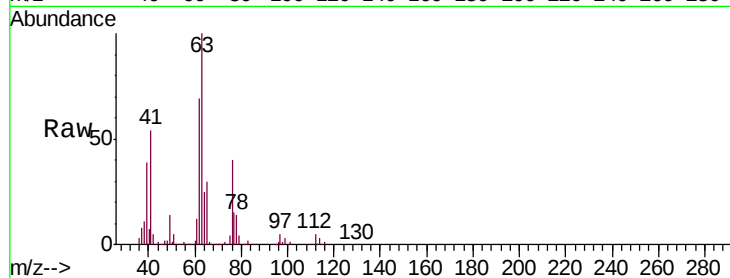




#37
 1,2-Dichloropropane
 Concen: 50.259 ug/L
 RT: 6.22 min Scan# 1594
 Delta R.T. -0.00 min
 Lab File: VV012734.D
 Acq: 13 Sep 2019 18:18

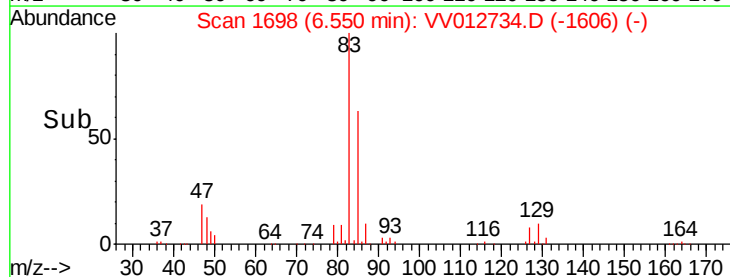
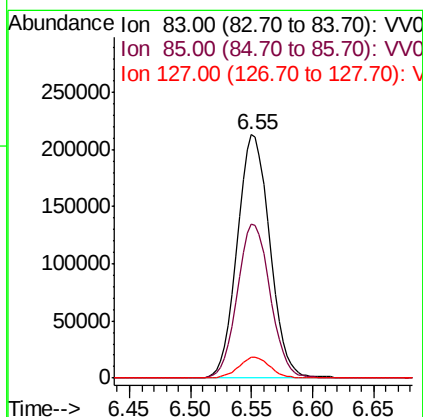
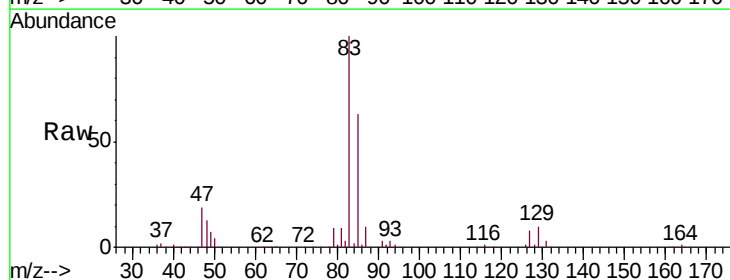
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05068

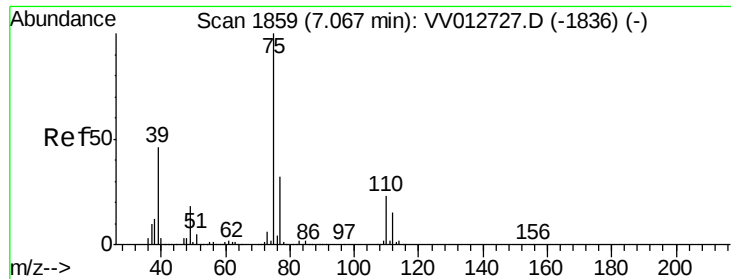
Tgt Ion: 63 Resp: 310728
 Ion Ratio Lower Upper
 63 100
 112 4.3 3.5 5.3



#38
 Bromodichloromethane
 Concen: 49.490 ug/L
 RT: 6.55 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VV012734.D
 Acq: 13 Sep 2019 18:18

Tgt Ion: 83 Resp: 393863
 Ion Ratio Lower Upper
 83 100
 85 63.1 44.4 82.5
 127 8.4 7.0 10.4



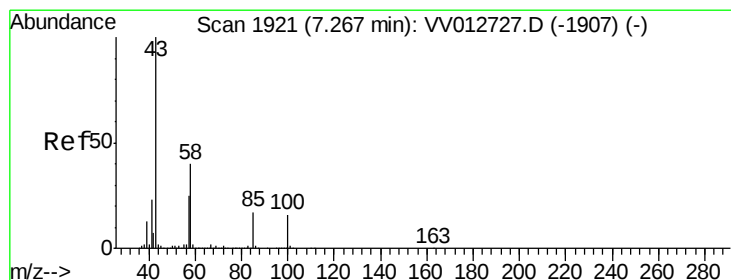
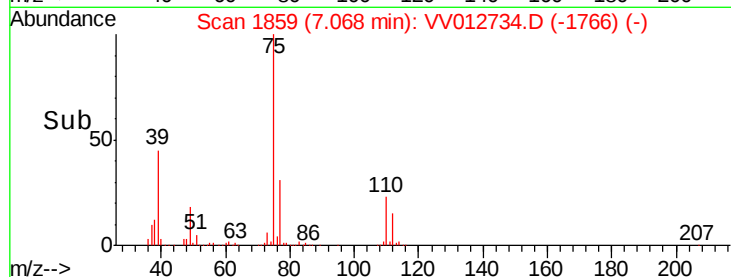
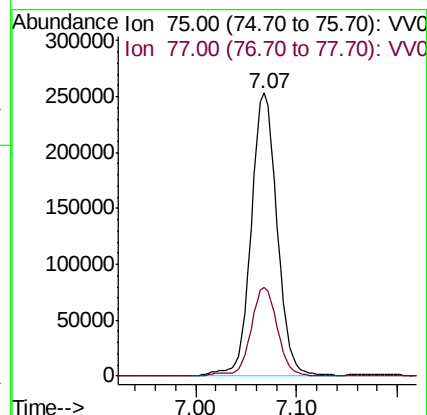
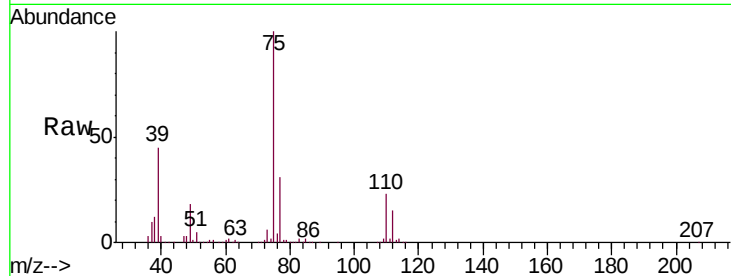


#39

cis-1,3-Dichloropropene
 Concen: 51.967 ug/L
 RT: 7.07 min Scan# 1859
 Delta R.T. 0.00 min
 Lab File: VV012734.D
 Acq: 13 Sep 2019 18:18

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05068

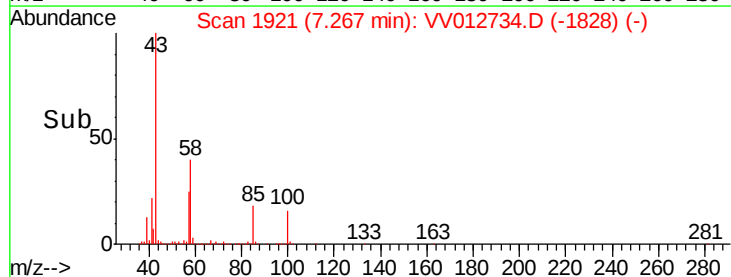
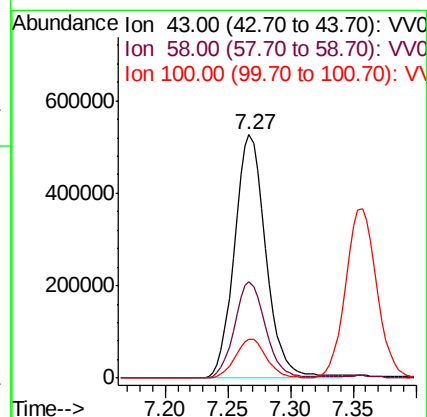
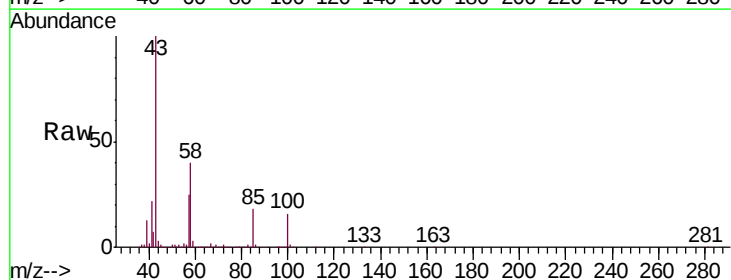
Tgt Ion: 75 Resp: 449828
 Ion Ratio Lower Upper
 75 100
 77 31.4 22.1 41.1

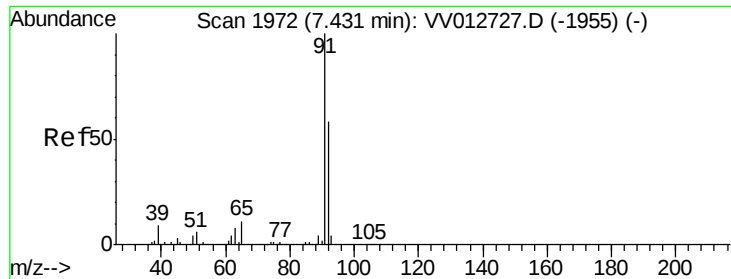


#40

4-Methyl-2-pentanone
 Concen: 106.990 ug/L
 RT: 7.27 min Scan# 1921
 Delta R.T. 0.00 min
 Lab File: VV012734.D
 Acq: 13 Sep 2019 18:18

Tgt Ion: 43 Resp: 915451
 Ion Ratio Lower Upper
 43 100
 58 39.3 31.3 46.9
 100 15.8 12.4 18.6





#42

Toluene

Concen: 51.427 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. -0.00 min

Lab File: VV012734.D

Acq: 13 Sep 2019 18:18

Instrument :

MSVOA_V

ClientSampleId :

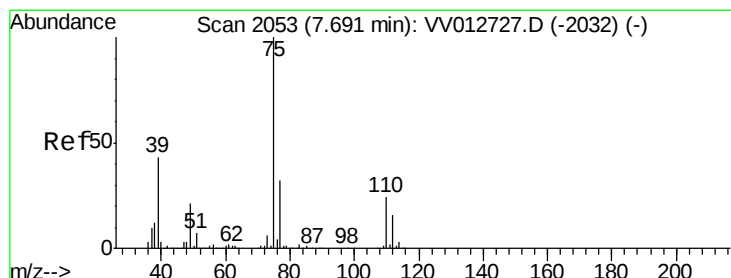
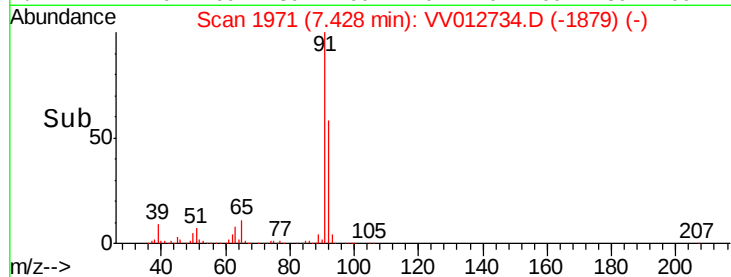
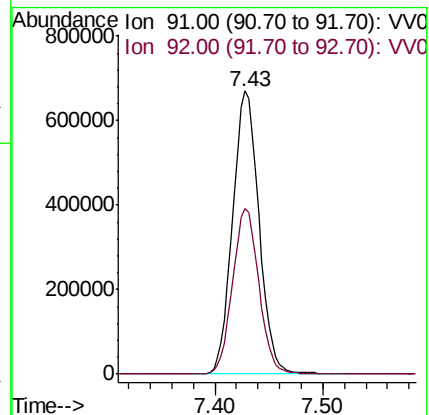
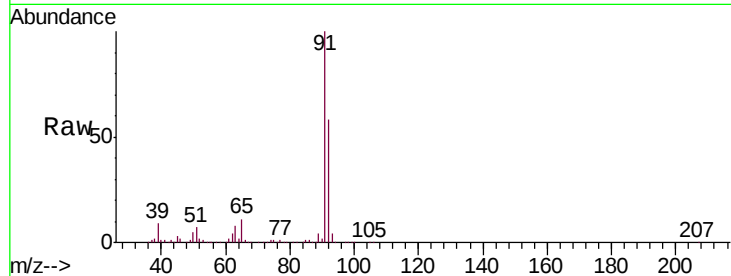
VSTD05068

Tgt Ion: 91 Resp: 1148152

Ion Ratio Lower Upper

91 100

92 58.5 40.9 76.0



#44

trans-1,3-Dichloropropene

Concen: 51.325 ug/L

RT: 7.69 min Scan# 2052

Delta R.T. -0.00 min

Lab File: VV012734.D

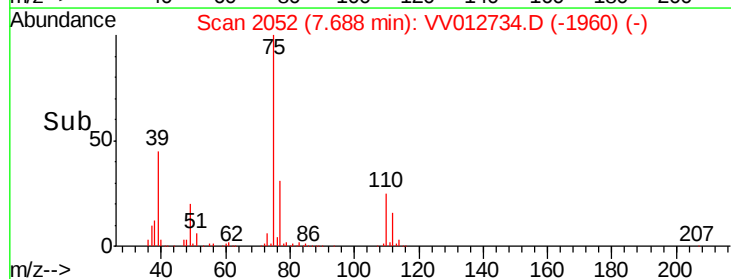
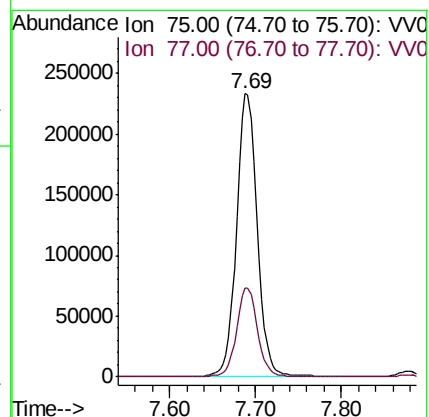
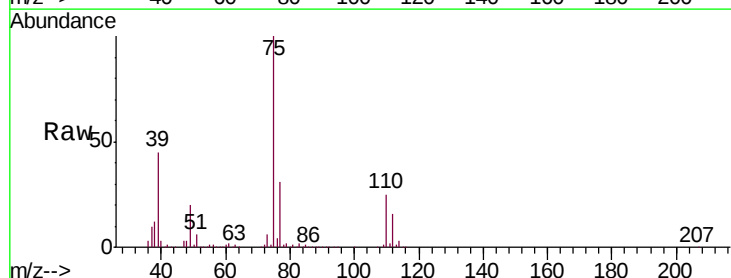
Acq: 13 Sep 2019 18:18

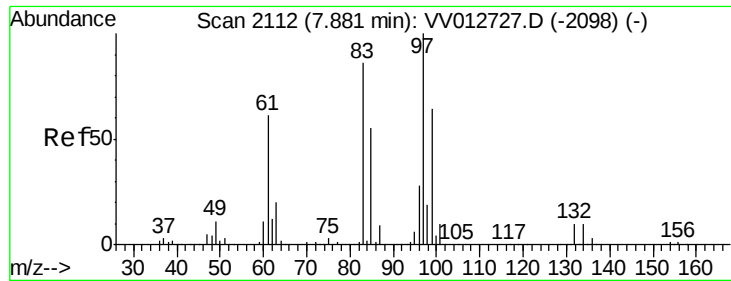
Tgt Ion: 75 Resp: 391688

Ion Ratio Lower Upper

75 100

77 31.2 22.1 41.1

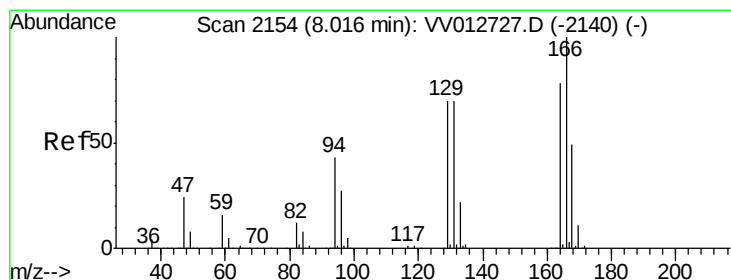
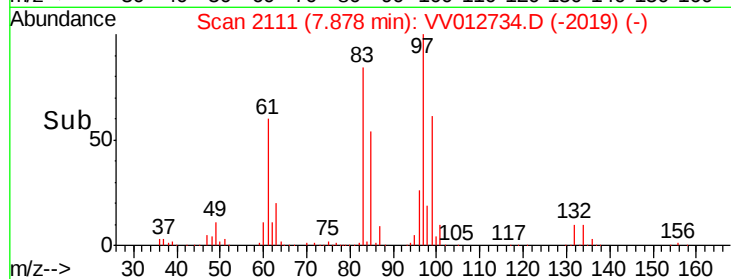
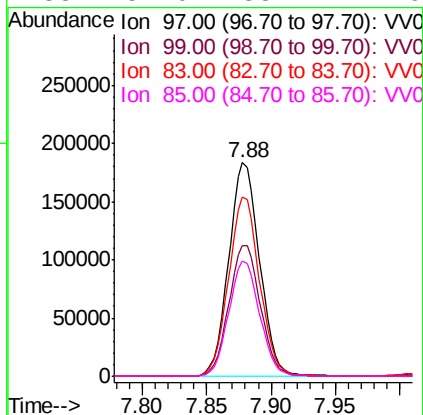
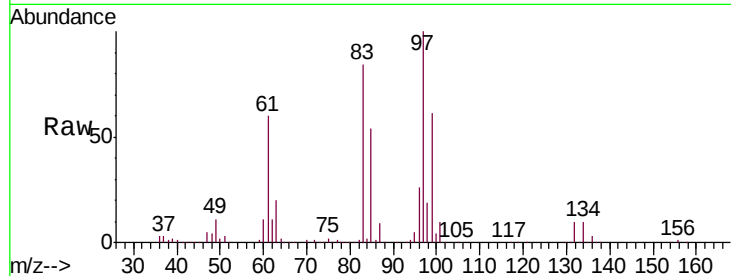




#45
 1,1,2-Trichloroethane
 Concen: 50.563 ug/L
 RT: 7.88 min Scan# 2111
 Delta R.T. -0.00 min
 Lab File: VV012734.D
 Acq: 13 Sep 2019 18:18

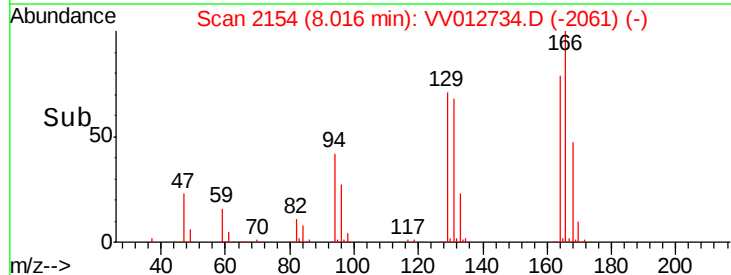
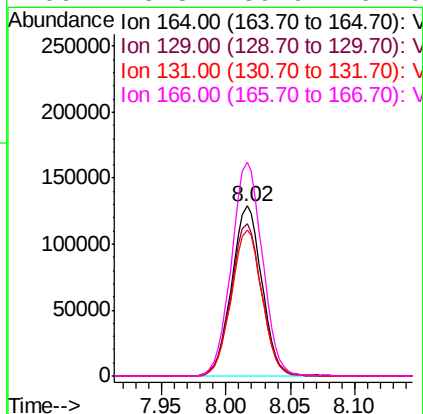
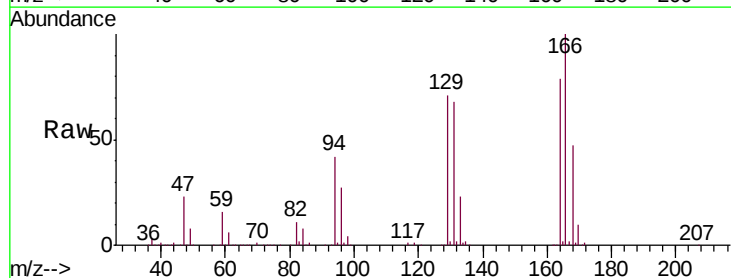
Instrument :
 MSVOA_V
 ClientSampled :
 VSTD05068

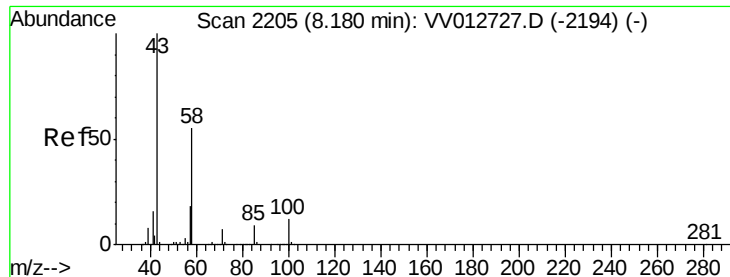
Tgt Ion:	97	Resp:	305002
Ion	Ratio	Lower	Upper
97	100		
99	61.4	44.6	82.8
83	84.2	59.9	111.3
85	54.0	38.7	71.9



#46
 Tetrachloroethene
 Concen: 48.704 ug/L
 RT: 8.02 min Scan# 2154
 Delta R.T. 0.00 min
 Lab File: VV012734.D
 Acq: 13 Sep 2019 18:18

Tgt Ion:	164	Resp:	211126
Ion	Ratio	Lower	Upper
164	100		
129	89.5	62.7	116.5
131	86.1	62.7	116.5
166	125.8	89.9	167.0

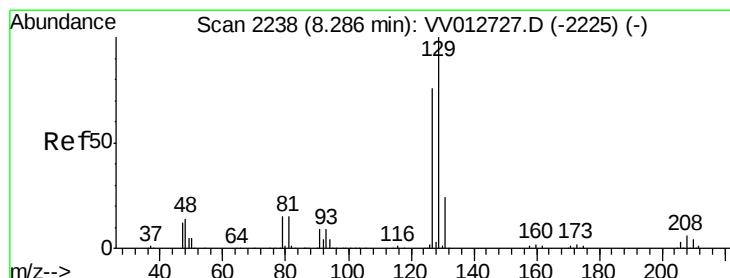
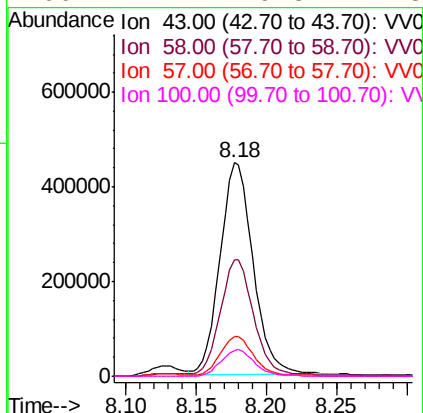
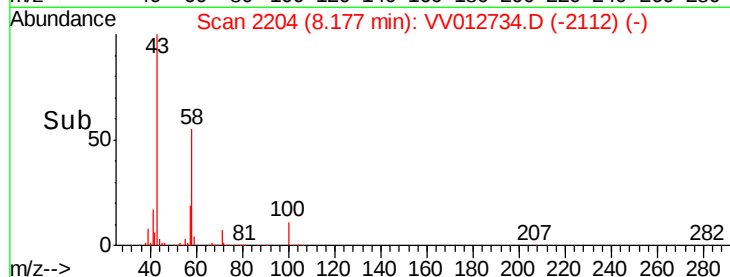
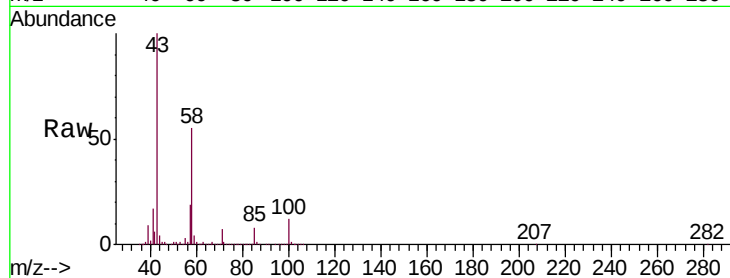




#48
2-Hexanone
Concen: 105.696 ug/L
RT: 8.18 min Scan# 2204
Delta R.T. -0.00 min
Lab File: VV012734.D
Acq: 13 Sep 2019 18:18

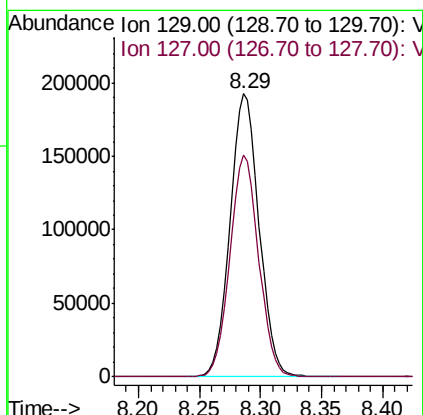
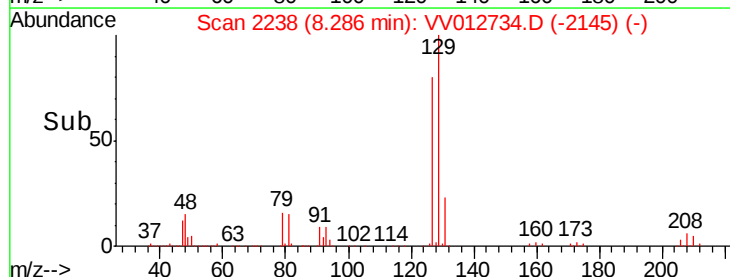
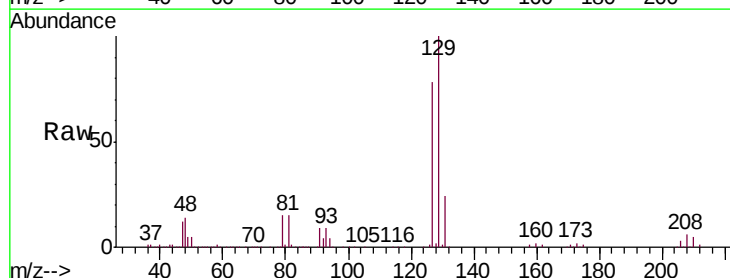
Instrument :
MSVOA_V
ClientSampleId :
VSTD05068

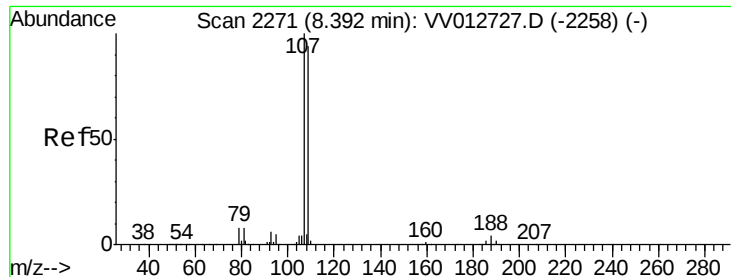
Tgt Ion: 43 Resp: 733765
Ion Ratio Lower Upper
43 100
58 55.7 43.8 65.8
57 19.2 14.3 21.5
100 12.7 9.8 14.8



#49
Dibromochloromethane
Concen: 50.600 ug/L
RT: 8.29 min Scan# 2238
Delta R.T. 0.00 min
Lab File: VV012734.D
Acq: 13 Sep 2019 18:18

Tgt Ion: 129 Resp: 319813
Ion Ratio Lower Upper
129 100
127 78.5 53.0 98.4

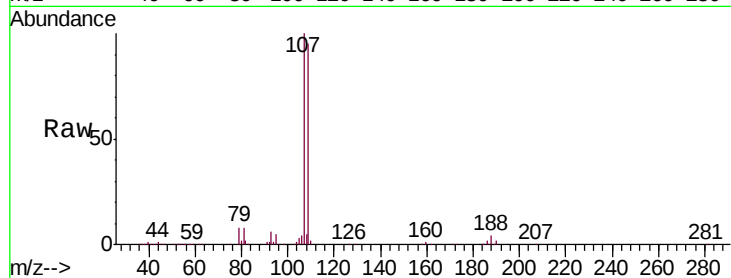




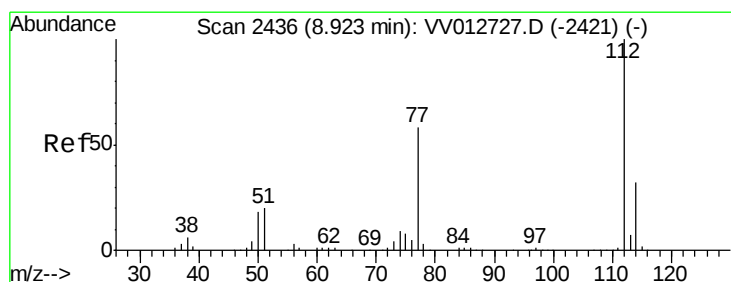
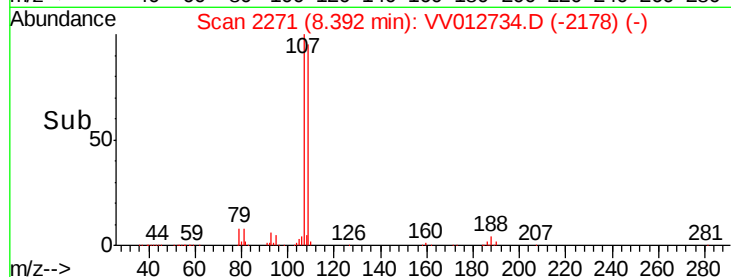
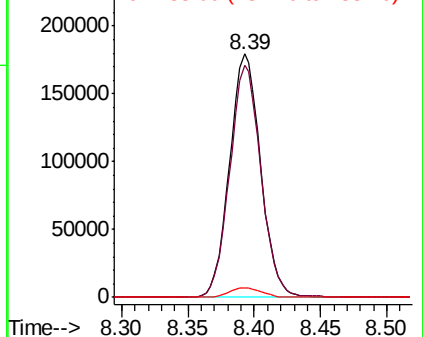
#50
1,2-Dibromoethane
Concen: 50.294 ug/L
RT: 8.39 min Scan# 2271
Delta R.T. 0.00 min
Lab File: VV012734.D
Acq: 13 Sep 2019 18:18

Instrument :
MSVOA_V
ClientSampleId :
VSTD05068

Tgt Ion	Ratio	Lower	Upper
107	100		
109	95.3	65.7	121.9
188	3.9	3.3	4.9

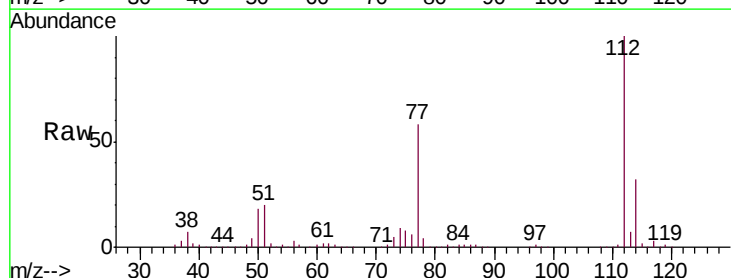


Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V

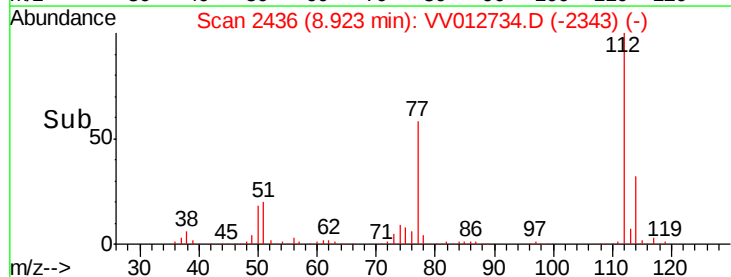
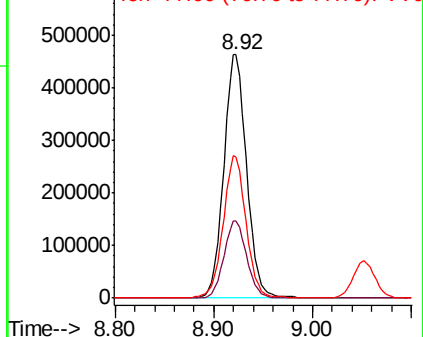


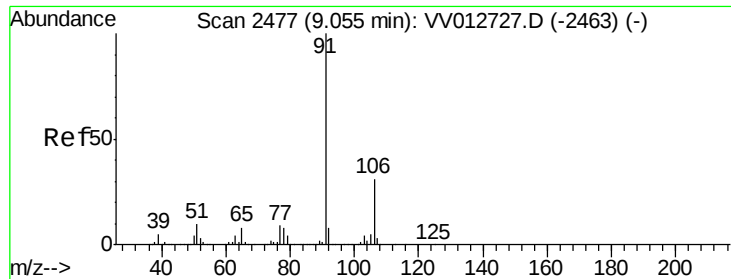
#51
Chlorobenzene
Concen: 49.334 ug/L
RT: 8.92 min Scan# 2436
Delta R.T. 0.00 min
Lab File: VV012734.D
Acq: 13 Sep 2019 18:18

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.0	22.4	41.6
77	58.1	46.7	70.1



Abundance Ion 112.00 (111.70 to 112.70): V
Ion 114.00 (113.70 to 114.70): V
Ion 77.00 (76.70 to 77.70): V





#52

Ethylbenzene

Concen: 51.474 ug/L

RT: 9.05 min Scan# 2476

Delta R.T. -0.00 min

Lab File: VV012734.D

Acq: 13 Sep 2019 18:18

Instrument :

MSVOA_V

ClientSampleId :

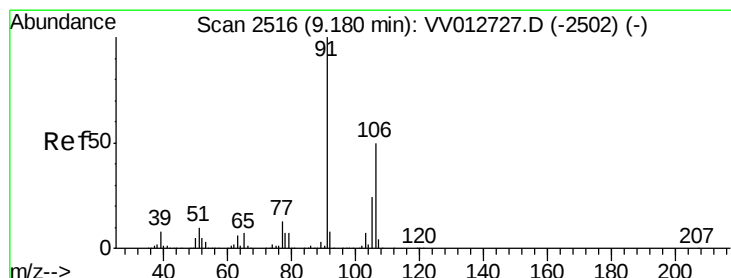
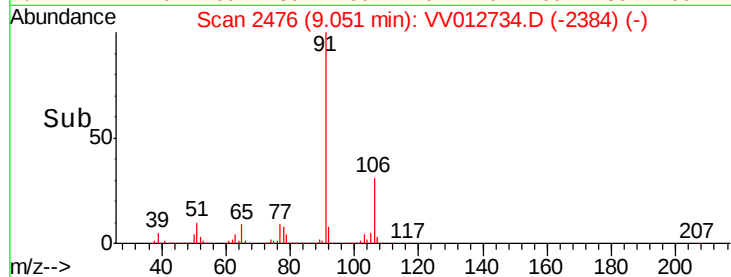
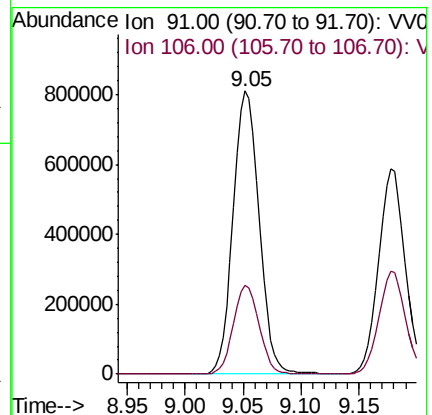
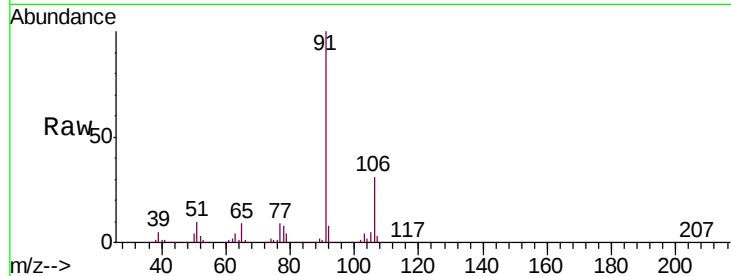
VSTD05068

Tgt Ion: 91 Resp: 1263369

Ion Ratio Lower Upper

91 100

106 31.4 21.4 39.8



#53

m,p-Xylene

Concen: 52.463 ug/L

RT: 9.18 min Scan# 2515

Delta R.T. -0.00 min

Lab File: VV012734.D

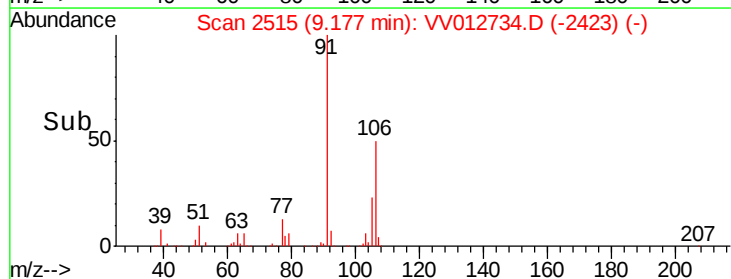
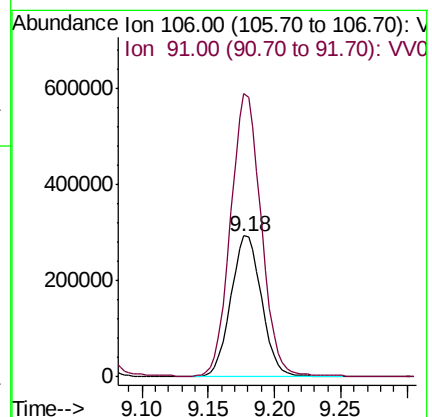
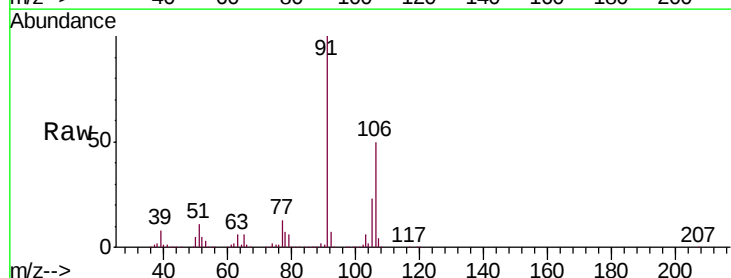
Acq: 13 Sep 2019 18:18

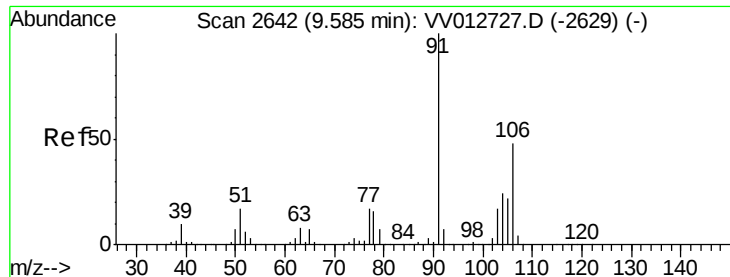
Tgt Ion: 106 Resp: 474211

Ion Ratio Lower Upper

106 100

91 200.6 139.9 259.7





#54

o-xylene

Concen: 52.487 ug/L

RT: 9.59 min Scan# 2642

Delta R.T. 0.00 min

Lab File: VV012734.D

Acq: 13 Sep 2019 18:18

Instrument :

MSVOA_V

ClientSampleId :

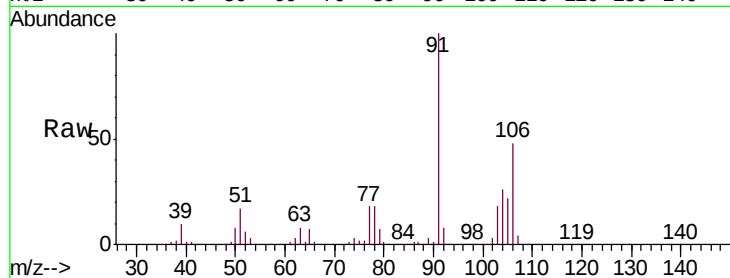
VSTD05068

Tgt Ion:106 Resp: 481625

Ion Ratio Lower Upper

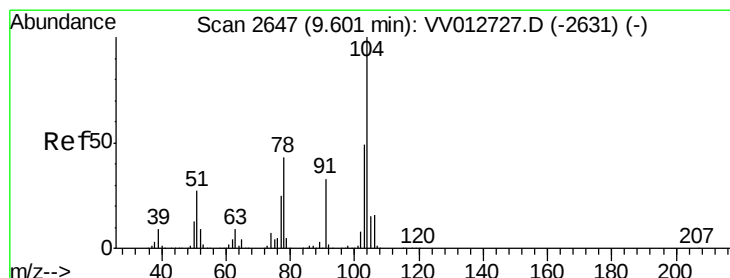
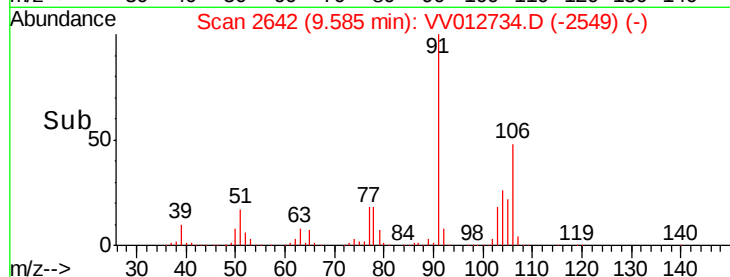
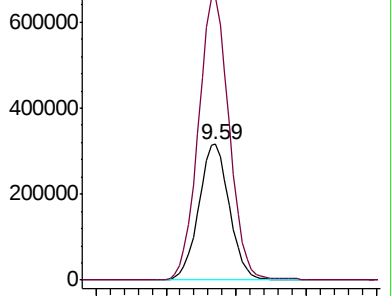
106 100

91 208.7 146.5 272.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 53.383 ug/L

RT: 9.60 min Scan# 2647

Delta R.T. 0.00 min

Lab File: VV012734.D

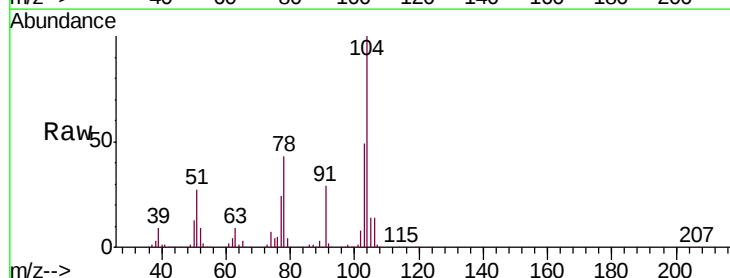
Acq: 13 Sep 2019 18:18

Tgt Ion:104 Resp: 830843

Ion Ratio Lower Upper

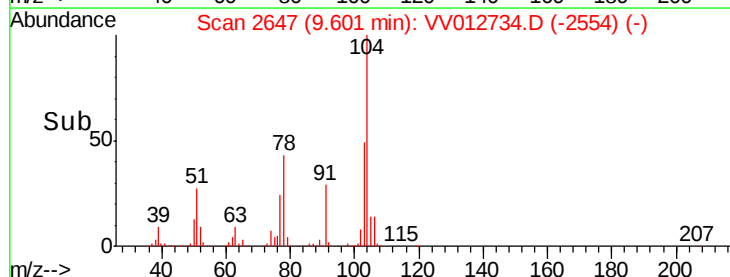
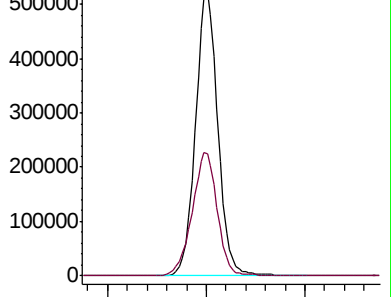
104 100

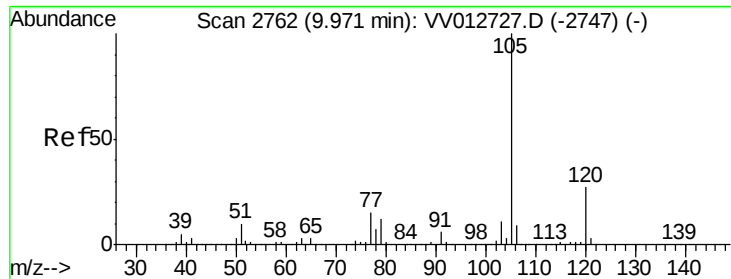
78 43.2 30.0 55.6



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 52.969 ug/L

RT: 9.97 min Scan# 2762

Delta R.T. 0.00 min

Lab File: VV012734.D

Acq: 13 Sep 2019 18:18

Instrument :

MSVOA_V

ClientSampled :

VSTD05068

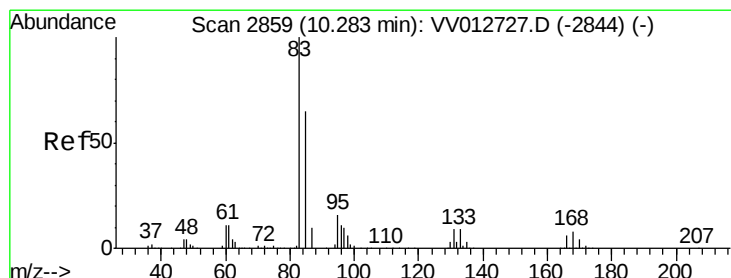
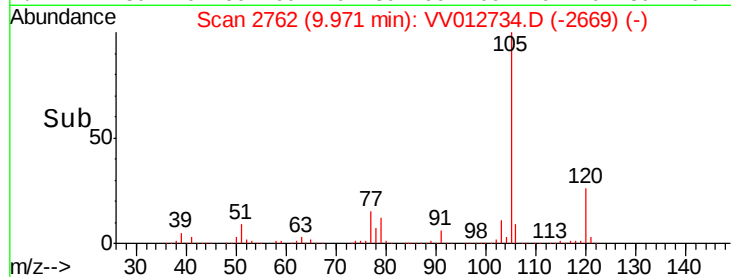
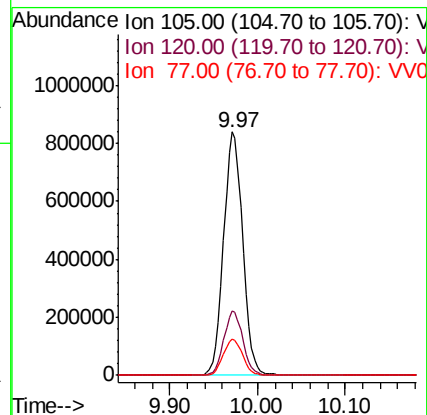
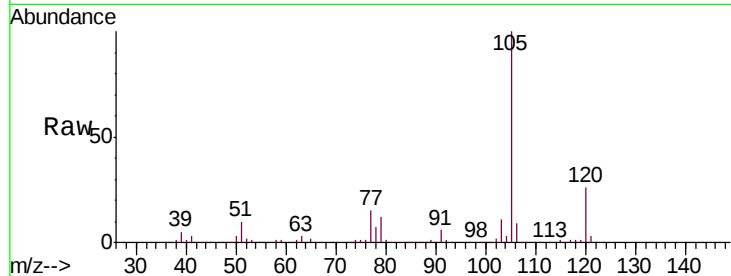
Tgt Ion: 105 Resp: 1277077

Ion Ratio Lower Upper

105 100

120 26.2 21.4 32.2

77 15.3 12.4 18.6



#58

1,1,2,2-Tetrachloroethane

Concen: 52.386 ug/L

RT: 10.28 min Scan# 2859

Delta R.T. 0.00 min

Lab File: VV012734.D

Acq: 13 Sep 2019 18:18

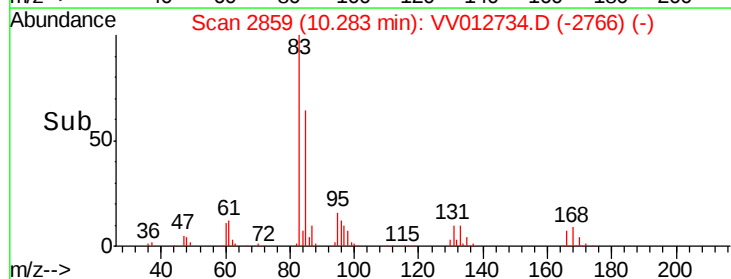
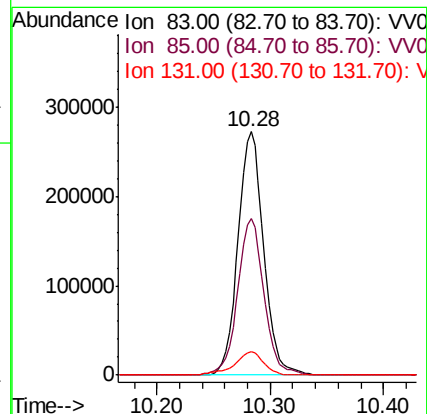
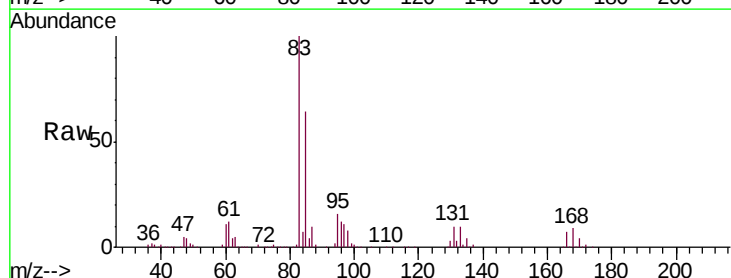
Tgt Ion: 83 Resp: 431488

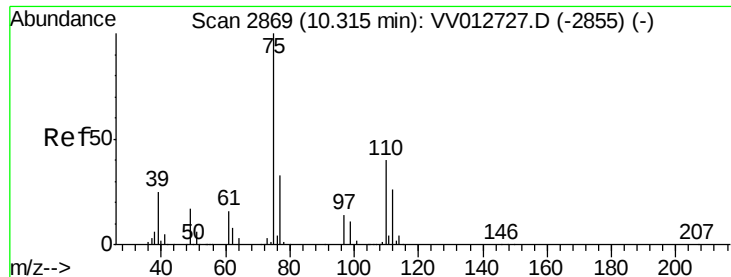
Ion Ratio Lower Upper

83 100

85 64.2 45.4 84.4

131 9.6 7.6 11.4





#59

1,2,3-Trichloropropane

Concen: 50.581 ug/L

RT: 10.32 min Scan# 2869

Delta R.T. 0.00 min

Lab File: VV012734.D

Acq: 13 Sep 2019 18:18

Instrument :

MSVOA_V

ClientSampleId :

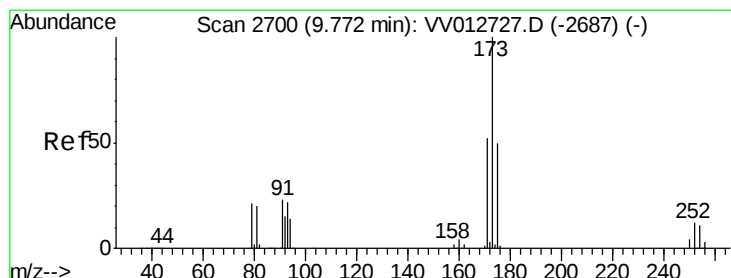
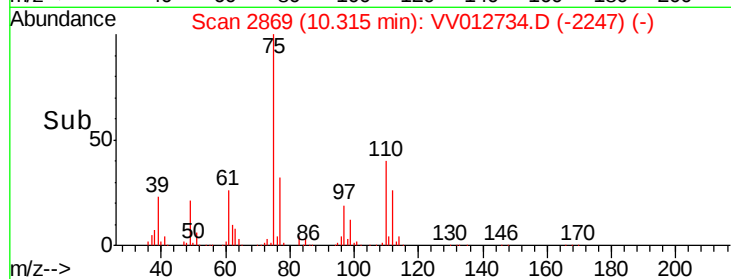
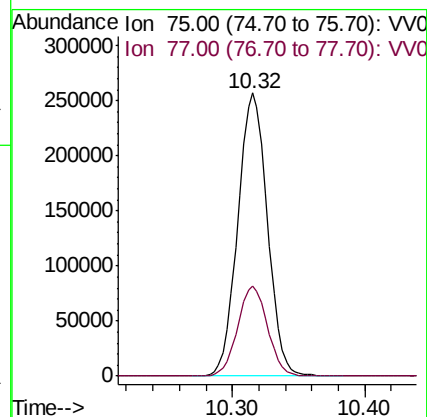
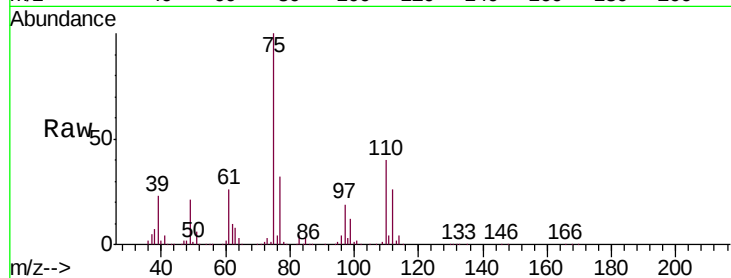
VSTD05068

Tgt Ion: 75 Resp: 398039

Ion Ratio Lower Upper

75 100

77 31.9 25.9 38.9



#61

Bromoform

Concen: 49.994 ug/L

RT: 9.77 min Scan# 2700

Delta R.T. 0.00 min

Lab File: VV012734.D

Acq: 13 Sep 2019 18:18

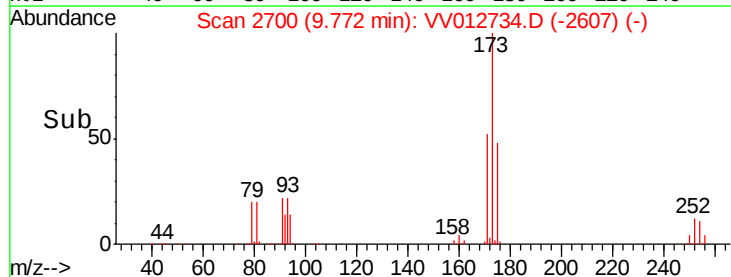
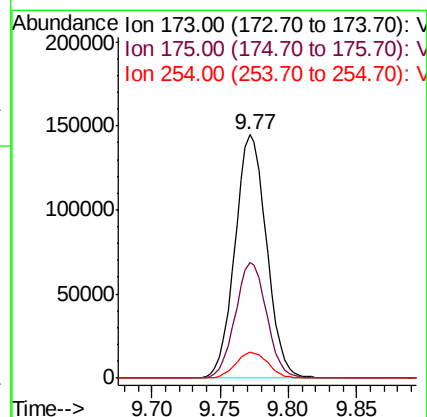
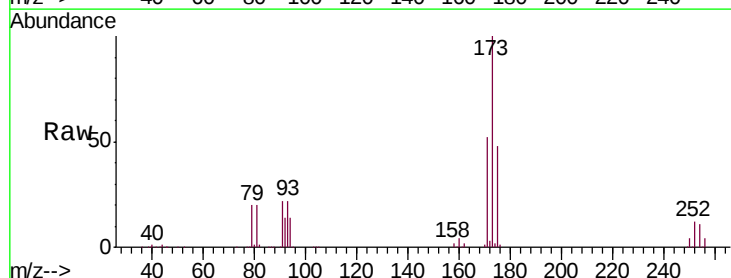
Tgt Ion: 173 Resp: 232892

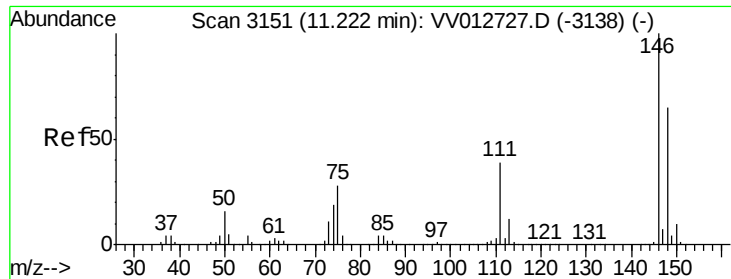
Ion Ratio Lower Upper

173 100

175 47.2 39.3 58.9

254 10.8 8.9 13.3





#62

1,3-Dichlorobenzene

Concen: 50.357 ug/L

RT: 11.22 min Scan# 3151

Delta R.T. 0.00 min

Lab File: VV012734.D

Acq: 13 Sep 2019 18:18

Instrument :

MSVOA_V

ClientSampleId :

VSTD05068

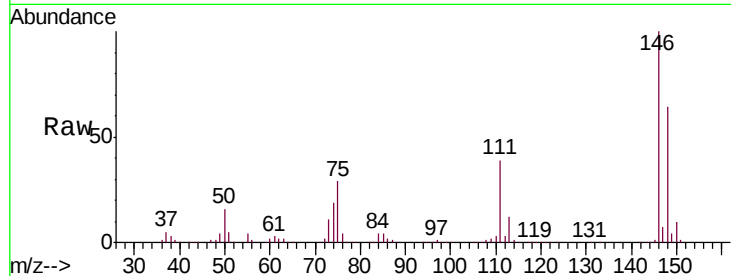
Tgt Ion:146 Resp: 600045

Ion Ratio Lower Upper

146 100

111 38.7 27.2 50.6

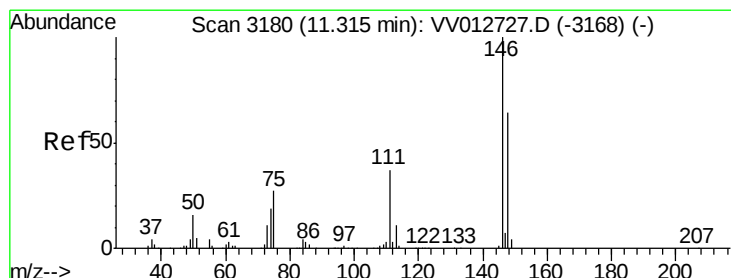
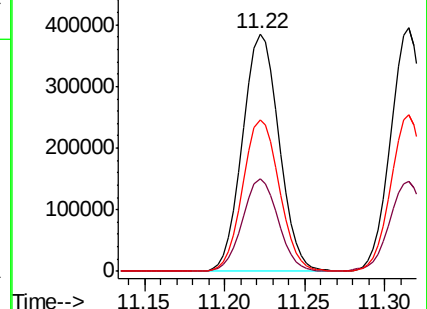
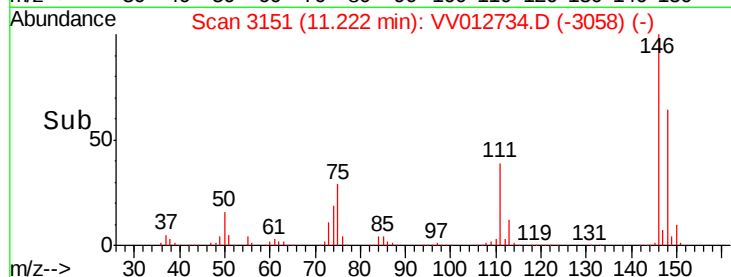
148 63.9 45.2 84.0



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: 49.205 ug/L

RT: 11.32 min Scan# 3180

Delta R.T. 0.00 min

Lab File: VV012734.D

Acq: 13 Sep 2019 18:18

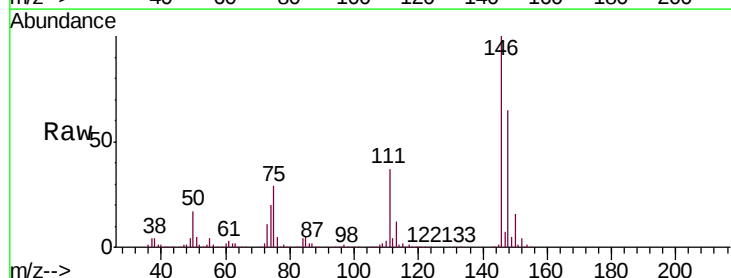
Tgt Ion:146 Resp: 601432

Ion Ratio Lower Upper

146 100

111 37.0 26.2 48.8

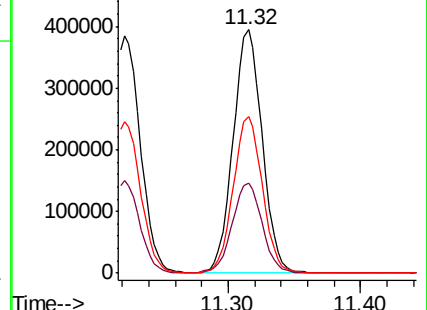
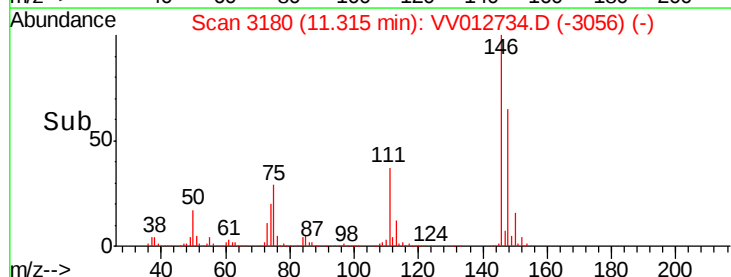
148 64.5 45.0 83.6

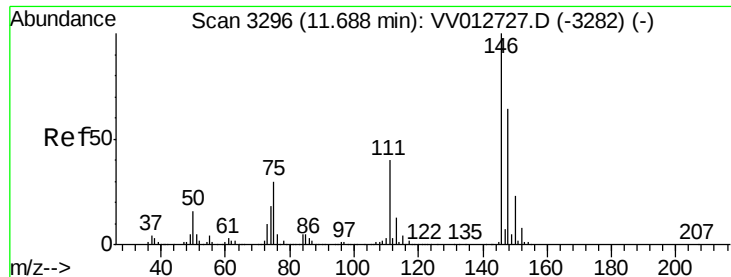


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 50.394 ug/L

RT: 11.69 min Scan# 3296

Delta R.T. 0.00 min

Lab File: VV012734.D

Acq: 13 Sep 2019 18:18

Instrument :

MSVOA_V

ClientSampleId :

VSTD05068

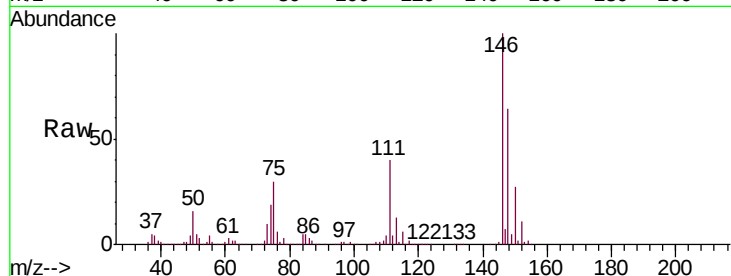
Tgt Ion:146 Resp: 631388

Ion Ratio Lower Upper

146 100

111 40.3 32.2 48.2

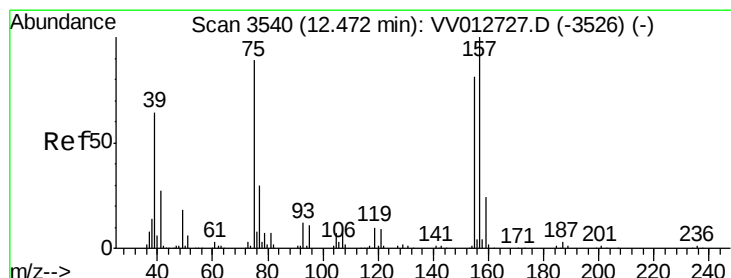
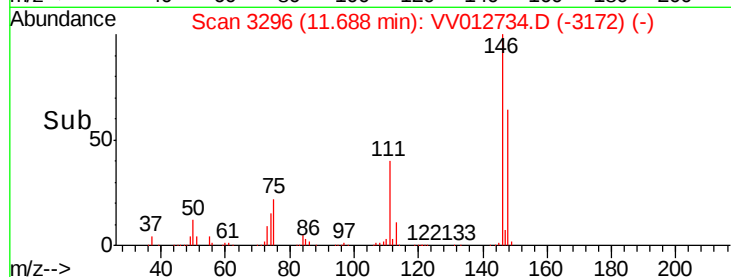
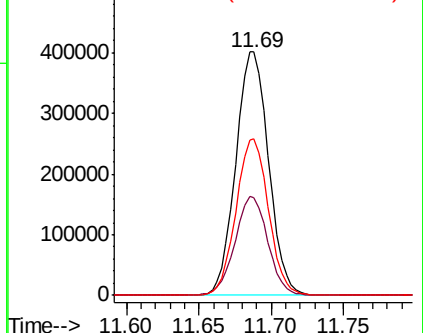
148 64.4 51.5 77.3



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: 50.022 ug/L

RT: 12.47 min Scan# 3540

Delta R.T. 0.00 min

Lab File: VV012734.D

Acq: 13 Sep 2019 18:18

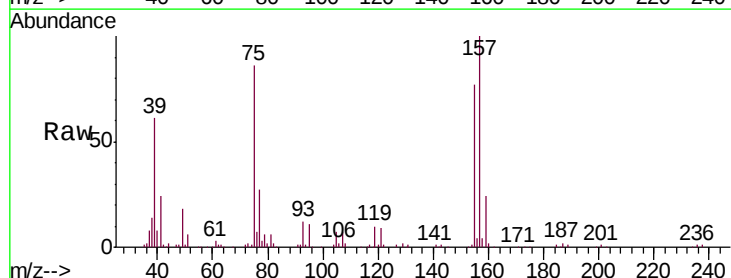
Tgt Ion: 75 Resp: 83666

Ion Ratio Lower Upper

75 100

155 89.7 73.4 110.0

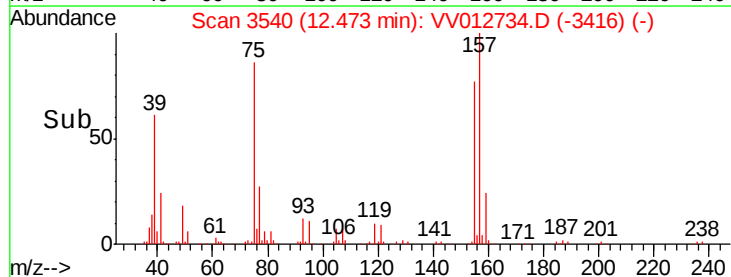
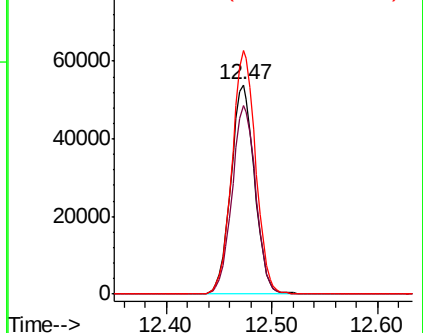
157 116.2 90.2 135.2

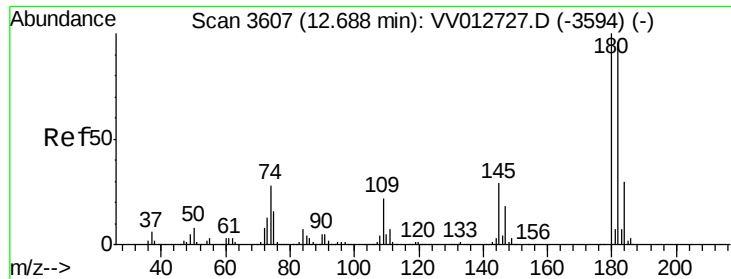


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

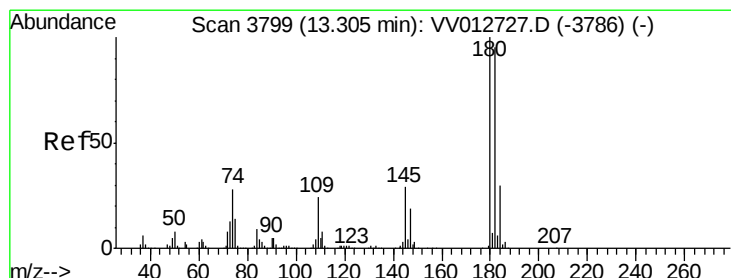
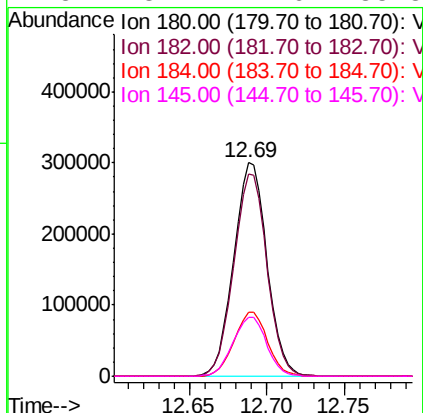
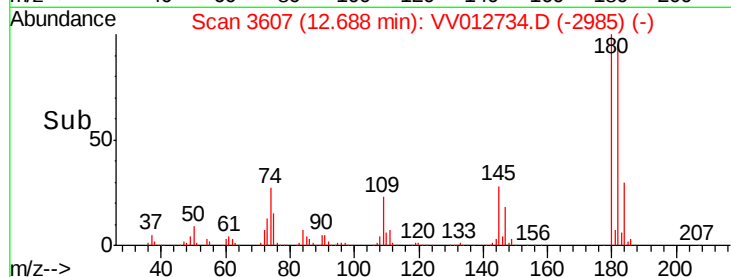
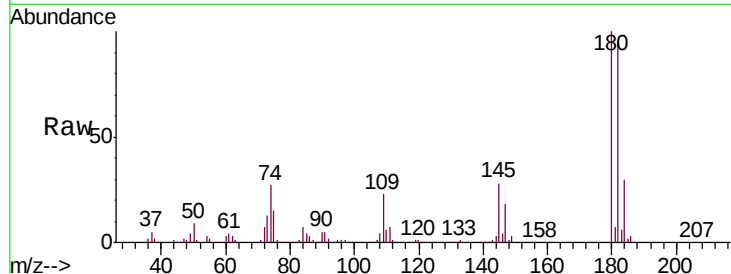




#67
 1,3,5-Trichlorobenzene
 Concen: 50.758 ug/L
 RT: 12.69 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VV012734.D
 Acq: 13 Sep 2019 18:18

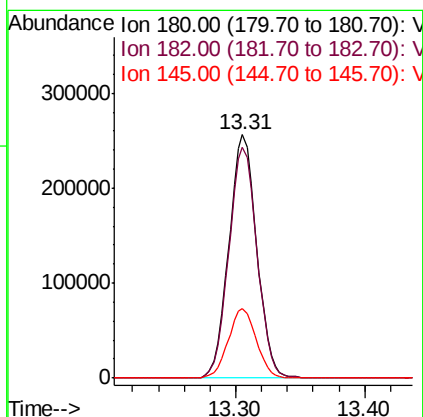
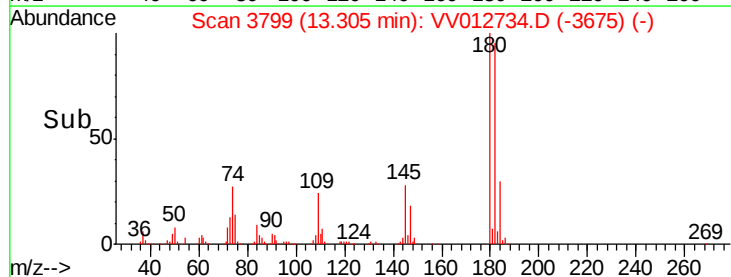
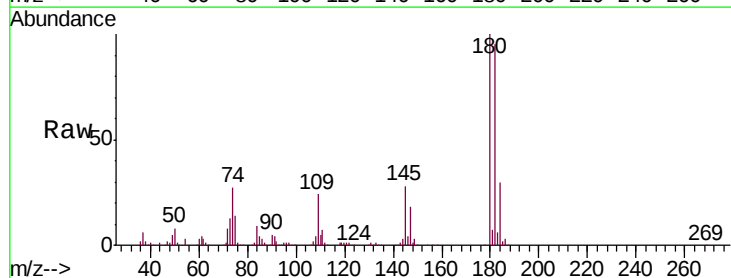
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05068

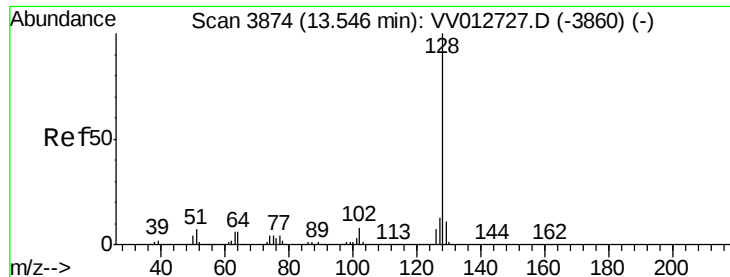
Tgt Ion:	180	Resp:	446825
Ion	Ratio	Lower	Upper
180	100		
182	95.1	76.7	115.1
184	30.2	24.4	36.6
145	28.1	22.6	33.8



#68
 1,2,4-trichlorobenzene
 Concen: 51.641 ug/L
 RT: 13.31 min Scan# 3799
 Delta R.T. 0.00 min
 Lab File: VV012734.D
 Acq: 13 Sep 2019 18:18

Tgt Ion:	180	Resp:	384099
Ion	Ratio	Lower	Upper
180	100		
182	96.0	76.8	115.2
145	28.7	23.0	34.4





#69

Naphthalene

Concen: 55.395 ug/L

RT: 13.55 min Scan# 3874

Delta R.T. 0.00 min

Lab File: VV012734.D

Acq: 13 Sep 2019 18:18

Instrument :

MSVOA_V

ClientSampleId :

VSTD05068

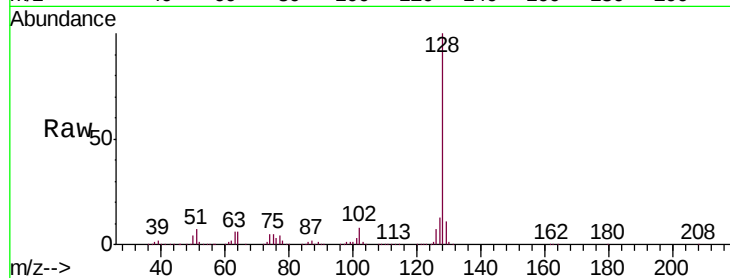
Tgt Ion:128 Resp: 1191110

Ion Ratio Lower Upper

128 100

127 12.7 10.4 15.6

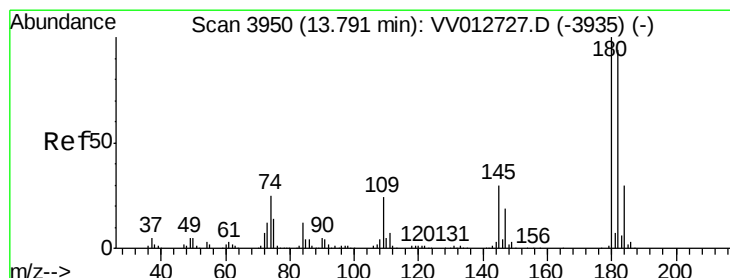
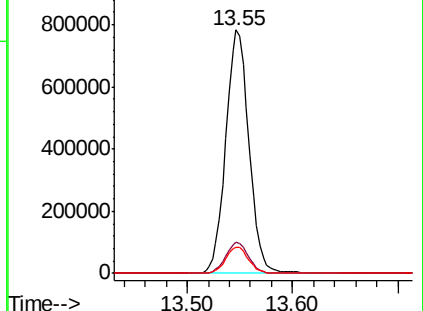
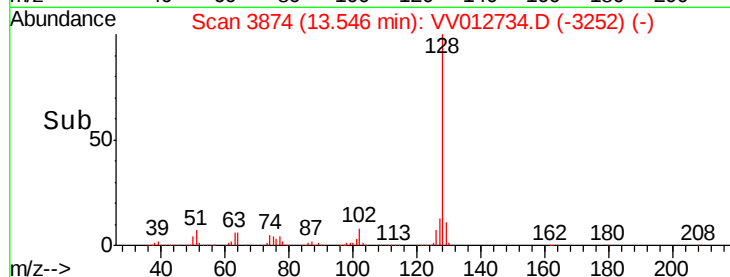
129 10.7 8.8 13.2



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: 52.407 ug/L

RT: 13.79 min Scan# 3950

Delta R.T. 0.00 min

Lab File: VV012734.D

Acq: 13 Sep 2019 18:18

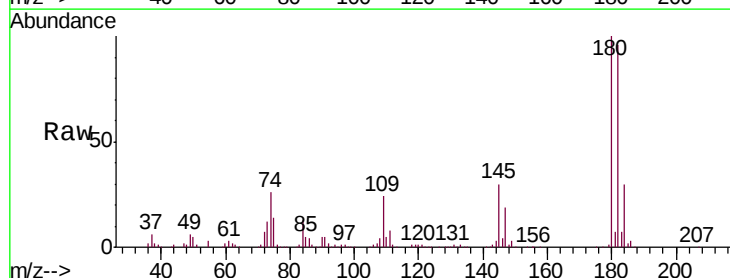
Tgt Ion:180 Resp: 423142

Ion Ratio Lower Upper

180 100

182 95.8 75.6 113.4

145 30.2 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

