

Data File : VV013977.D
Acq On : 10 Dec 2019 10:15
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD05075

Quant Time: Dec 11 00:23:04 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM120219WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Dec 10 17:17:30 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	670047	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	659542	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	340961	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	208398	53.78	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	107.56%
7) Chloroethane-d5	1.57	69	203637	50.34	ug/L	0.01
Spiked Amount	50.000	Range	70 - 130	Recovery	=	100.68%
11) 1,1-Dichloroethene-d2	2.13	63	448623	52.35	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	104.70%
21) 2-Butanone-d5	3.92	46	250258	91.75	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	91.75%
24) Chloroform-d	4.39	84	384238	47.21	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.42%
26) 1,2-Dichloroethane-d4	5.07	65	235435	45.65	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.30%
32) Benzene-d6	5.09	84	754764	44.16	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.32%
36) 1,2-Dichloropropane-d6	6.11	67	232552	45.33	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	90.66%
41) Toluene-d8	7.35	98	719373	46.17	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.34%
43) trans-1,3-Dichloropropene-	7.66	79	109431	43.84	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.68%
47) 2-Hexanone-d5	8.13	63	173473	90.56	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	90.56%
57) 1,1,2,2-Tetrachloroethane-	10.25	84	318907	42.93	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	85.86%
64) 1,2-Dichlorobenzene-d4	11.67	152	296831	44.33	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.66%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	279212	46.800 ug/L	98
3) Chloromethane	1.25	50	310728	56.968 ug/L	100
5) Vinyl chloride	1.32	62	310673	54.612 ug/L	98
6) Bromomethane	1.52	94	198845	57.813 ug/L	99
8) Chloroethane	1.59	64	201185	53.151 ug/L	99
9) Trichlorofluoromethane	1.77	101	475877	53.784 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	271918	53.959 ug/L	98
12) 1,1-Dichloroethene	2.14	96	254568	52.297 ug/L	94
13) Acetone	2.18	43	462237	115.642 ug/L	99
14) Carbon disulfide	2.32	76	674671	52.557 ug/L	100
15) Methyl Acetate	2.45	43	286625	58.184 ug/L	98
16) Methylene chloride	2.53	84	259363	51.166 ug/L	98
17) trans-1,2-Dichloroethene	2.79	96	224101	47.067 ug/L	96
18) Methyl tert-butyl Ether	2.80	73	667518	48.310 ug/L	100
19) 1,1-Dichloroethane	3.23	63	418100	48.740 ug/L	99
20) cis-1,2-Dichloroethene	3.96	96	247676	48.035 ug/L	98
22) 2-Butanone	4.00	43	399436	104.111 ug/L	97

Data File : VV013977.D
Acq On : 10 Dec 2019 10:15
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD05075

Quant Time: Dec 11 00:23:04 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM120219WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Dec 10 17:17:30 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.29	128	138063	48.465	ug/L	98
25) Chloroform	4.42	83	443434	48.354	ug/L	100
27) 1,2-Dichloroethane	5.17	62	333840	50.520	ug/L	100
29) Cyclohexane	4.72	56	352365	45.728	ug/L	99
30) 1,1,1-Trichloroethane	4.65	97	374898	47.085	ug/L	99
31) Carbon tetrachloride	4.87	117	351078	49.361	ug/L	98
33) Benzene	5.14	78	958876	48.820	ug/L	100
34) Trichloroethene	5.96	95	258673	49.103	ug/L	98
35) Methylcyclohexane	6.17	83	390156	49.362	ug/L	100
37) 1,2-Dichloropropane	6.21	63	244072	51.343	ug/L	100
38) Bromodichloromethane	6.55	83	333281	49.437	ug/L	99
39) cis-1,3-Dichloropropene	7.06	75	370231	49.472	ug/L	98
40) 4-Methyl-2-pentanone	7.26	43	632001	102.241	ug/L	99
42) Toluene	7.43	91	1052495	51.936	ug/L	100
44) trans-1,3-Dichloropropene	7.69	75	344954	50.903	ug/L	96
45) 1,1,2-Trichloroethane	7.87	97	250642	53.118	ug/L	100
46) Tetrachloroethene	8.01	164	242589	51.032	ug/L	97
48) 2-Hexanone	8.17	43	523027	105.772	ug/L	95
49) Dibromochloromethane	8.28	129	287410	49.829	ug/L	100
50) 1,2-Dibromoethane	8.39	107	267195	51.404	ug/L	99
51) Chlorobenzene	8.92	112	689449	49.313	ug/L	99
52) Ethylbenzene	9.05	91	1141922	51.114	ug/L	99
53) m,p-Xylene	9.18	106	457575	52.965	ug/L	94
54) o-xylene	9.58	106	436338	51.656	ug/L	98
55) Styrene	9.60	104	757862	52.002	ug/L	99
56) Isopropylbenzene	9.97	105	1146577	50.499	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.28	83	361761	47.094	ug/L	98
59) 1,2,3-Trichloropropane	10.31	75	309910	48.175	ug/L	99
61) Bromoform	9.77	173	228863	54.871	ug/L	99
62) 1,3-Dichlorobenzene	11.22	146	579013	51.754	ug/L	98
63) 1,4-Dichlorobenzene	11.31	146	571256	49.391	ug/L	98
65) 1,2-Dichlorobenzene	11.68	146	578094	51.657	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.47	75	71334	45.866	ug/L	97
67) 1,3,5-Trichlorobenzene	12.68	180	449863	49.515	ug/L	99
68) 1,2,4-trichlorobenzene	13.30	180	345238	42.114	ug/L	100
69) Naphthalene	13.55	128	688014	31.964	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	377363	44.018	ug/L	99

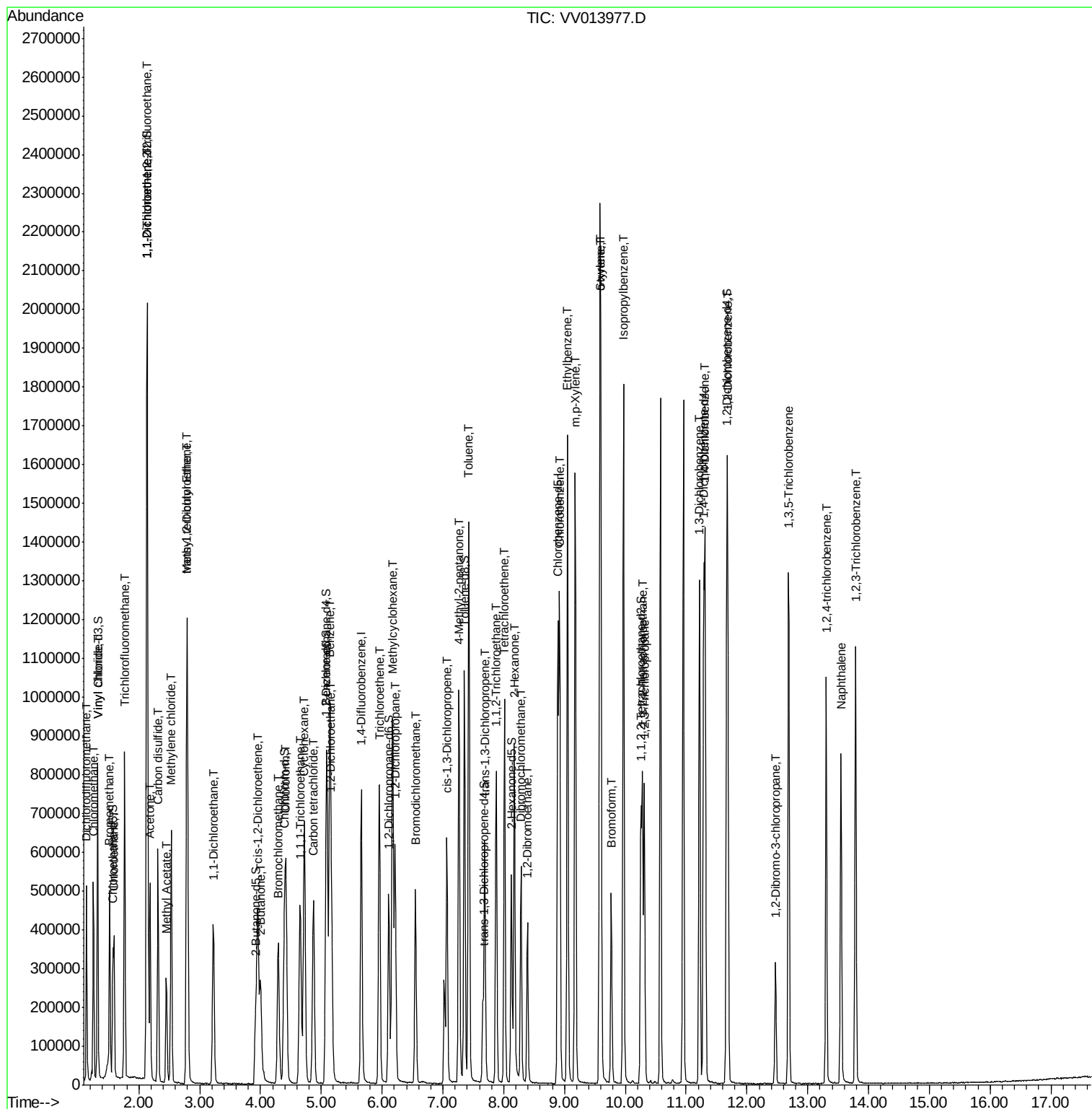
(#) = qualifier out of range (m) = manual integration (+) = signals summed

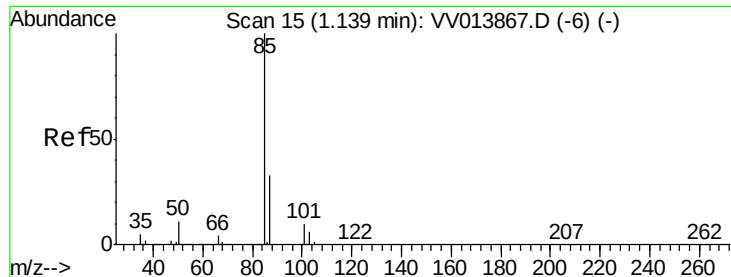
Data File : VV013977.D

```
Acq On       : 10 Dec 2019   10:15
Operator     : SY/MD
Sample       : VSTDCCC050
Misc         : 5.0mL/MSVOA_V/WATER
ALS Vial     : 2      Sample Multiplier: 1
```

Instrument :
MSVOA_V
ClientSampleId :
VSTD05075

Quant Time: Dec 11 00:23:04 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM120219WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Dec 10 17:17:30 2019
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 46.800 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV013977.D

Acq: 10 Dec 2019 10:15

Instrument :

MSVOA_V

ClientSampleId :

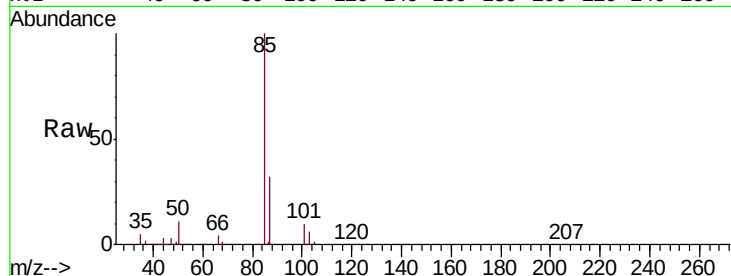
VSTD05075

Tgt Ion: 85 Resp: 279212

Ion Ratio Lower Upper

85 100

87 32.0 26.5 39.7



Abundance Ion 85.00 (84.70 to 85.70): VV013867.D (-6) (-)

Ion 87.00 (86.70 to 87.70): VV013867.D (-6) (-)

1.14

300000

250000

200000

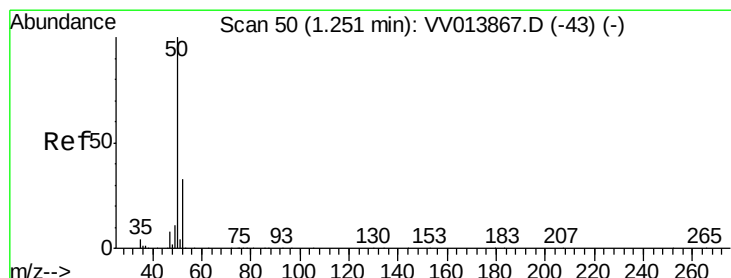
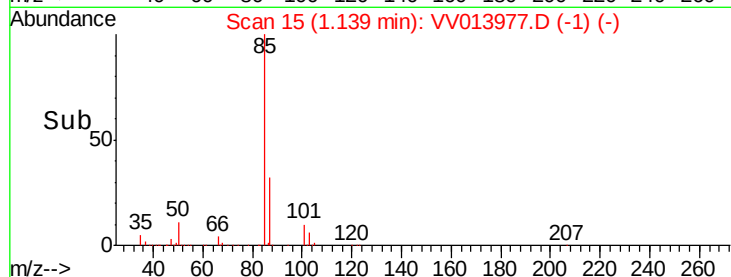
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 56.968 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV013977.D

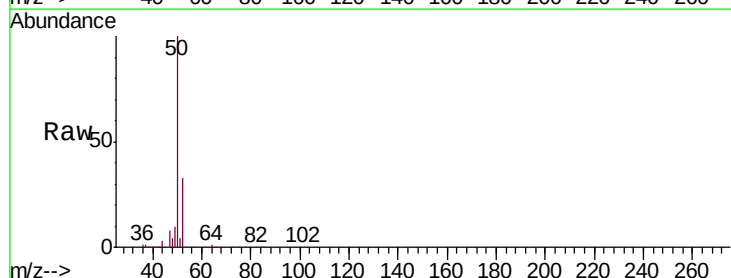
Acq: 10 Dec 2019 10:15

Tgt Ion: 50 Resp: 310728

Ion Ratio Lower Upper

50 100

52 33.0 23.0 42.6



Abundance Ion 50.00 (49.70 to 50.70): VV013867.D (-43) (-)

Ion 52.00 (51.70 to 52.70): VV013867.D (-43) (-)

1.25

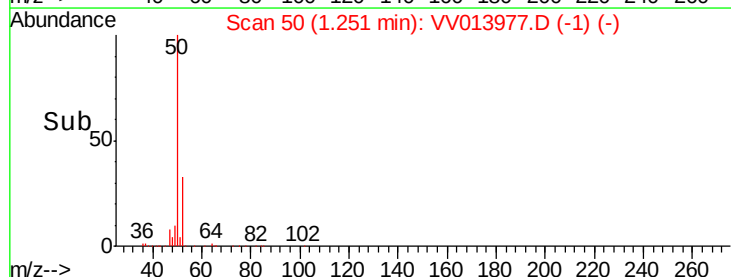
300000

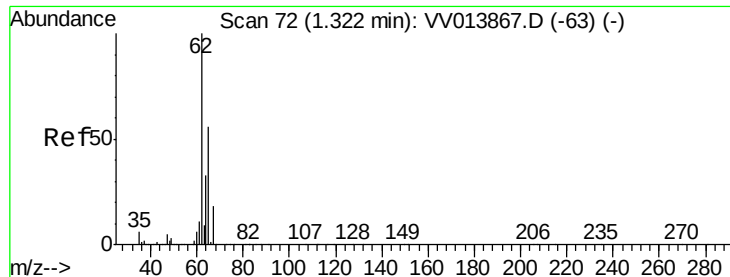
200000

100000

0

Time-->





#5

Vinyl chloride

Concen: 54.612 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV013977.D

Acq: 10 Dec 2019 10:15

Instrument :

MSVOA_V

ClientSampleId :

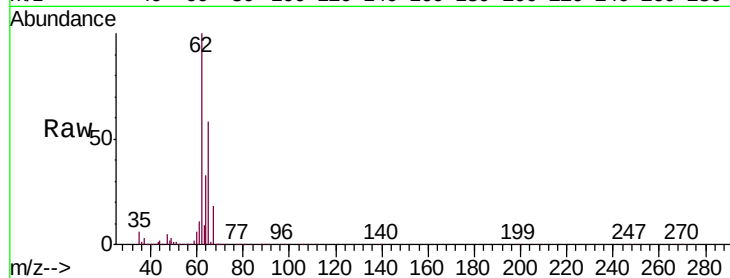
VSTD05075

Tgt Ion: 62 Resp: 310673

Ion Ratio Lower Upper

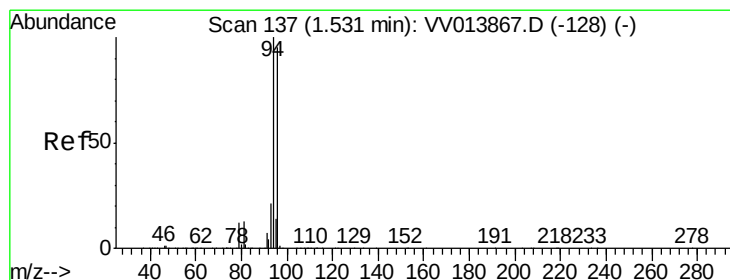
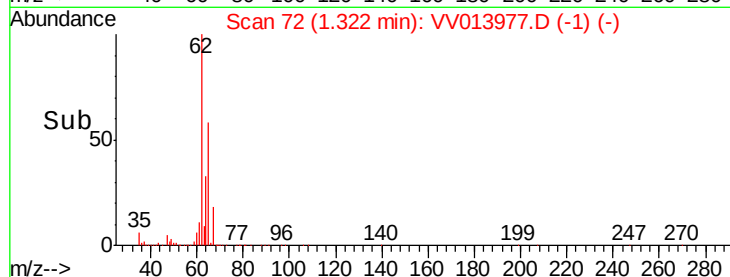
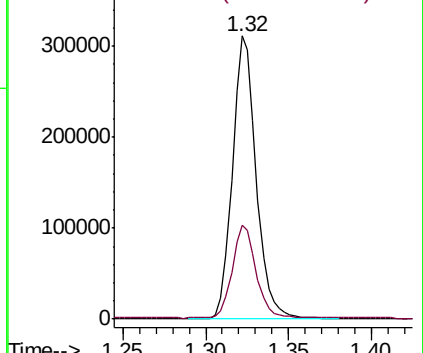
62 100

64 33.3 24.1 44.8



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#6

Bromomethane

Concen: 57.813 ug/L

RT: 1.52 min Scan# 133

Delta R.T. 0.00 min

Lab File: VV013977.D

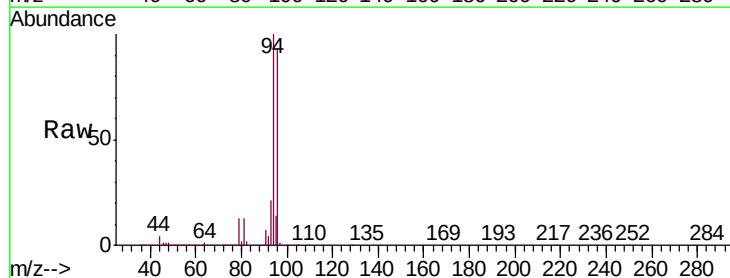
Acq: 10 Dec 2019 10:15

Tgt Ion: 94 Resp: 198845

Ion Ratio Lower Upper

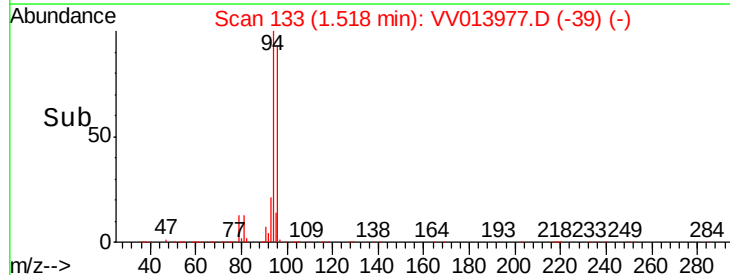
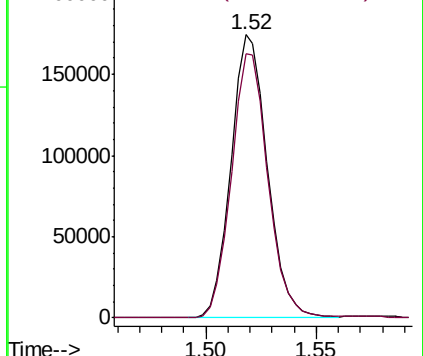
94 100

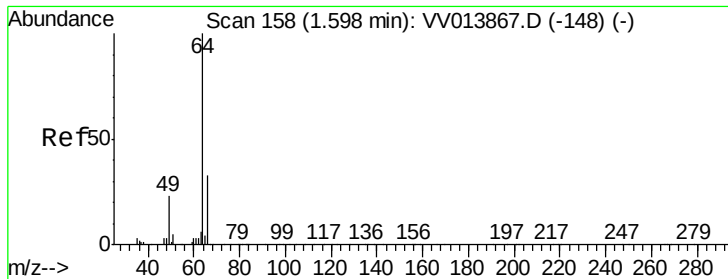
96 93.2 66.2 123.0



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 53.151 ug/L

RT: 1.59 min Scan# 156

Delta R.T. 0.01 min

Lab File: VV013977.D

Acq: 10 Dec 2019 10:15

Instrument :

MSVOA_V

ClientSampleId :

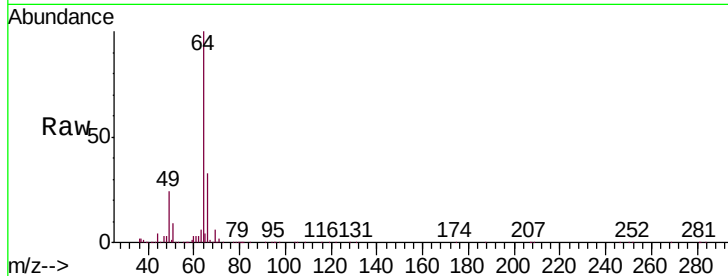
VSTD05075

Tgt Ion: 64 Resp: 201185

Ion Ratio Lower Upper

64 100

66 32.9 22.7 42.1



Abundance Ion 64.00 (63.70 to 64.70): VV013867.D (-148) (-)

Ion 66.00 (65.70 to 66.70): VV013867.D (-148) (-)

1.59

200000

150000

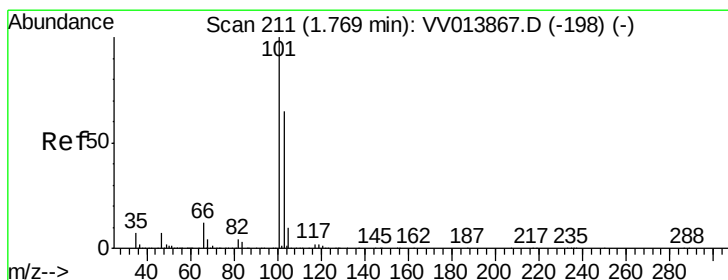
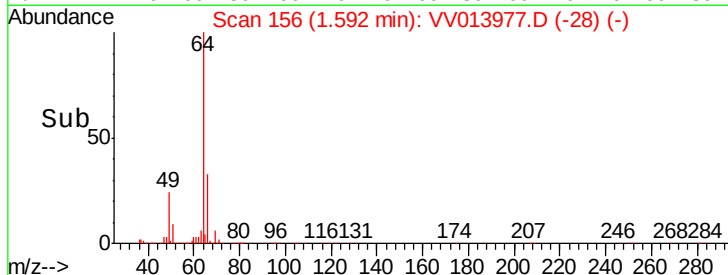
100000

50000

0

1.55 1.60 1.65

Time-->



#9

Trichlorofluoromethane

Concen: 53.784 ug/L

RT: 1.77 min Scan# 210

Delta R.T. 0.01 min

Lab File: VV013977.D

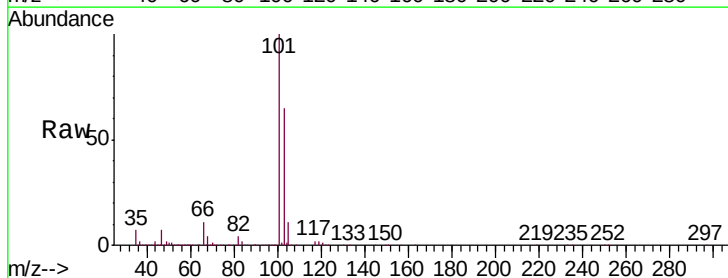
Acq: 10 Dec 2019 10:15

Tgt Ion: 101 Resp: 475877

Ion Ratio Lower Upper

101 100

103 64.9 51.9 77.9



Abundance Ion 101.00 (100.70 to 101.70): VV013867.D (-198) (-)

Ion 103.00 (102.70 to 103.70): VV013867.D (-198) (-)

1.77

400000

300000

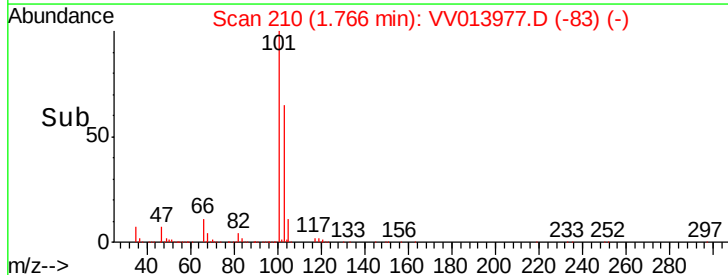
200000

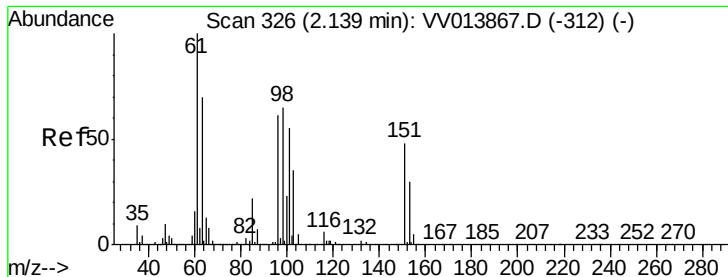
100000

0

1.70 1.75 1.80

Time-->





#10

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

Concen: 53.959 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.01 min

Lab File: VV013977.D

Acq: 10 Dec 2019 10:15

Instrument :

MSVOA_V

ClientSampleId :

VSTD05075

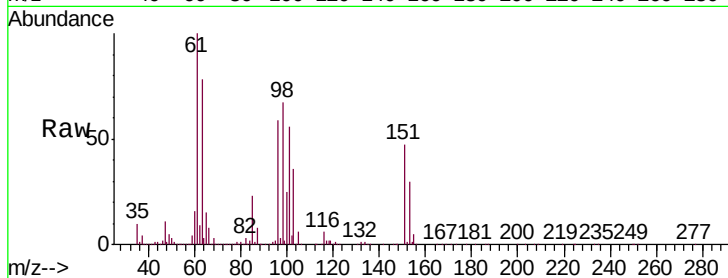
Tgt Ion: 101 Resp: 271918

Ion Ratio Lower Upper

101 100

85 41.2 32.5 48.7

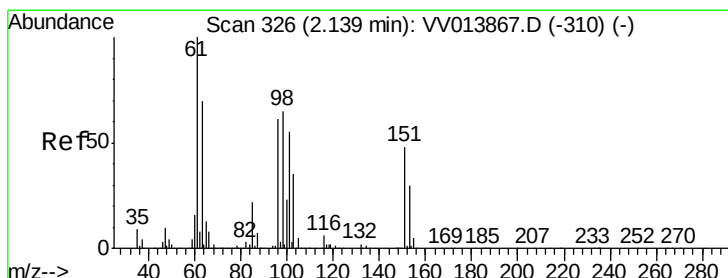
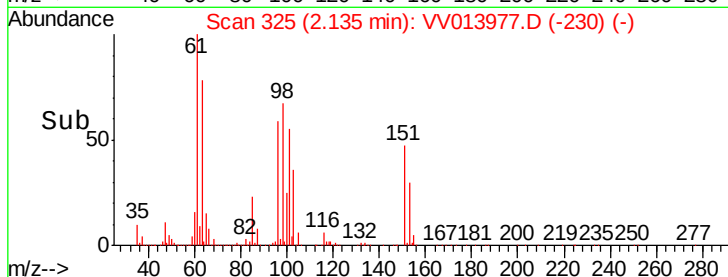
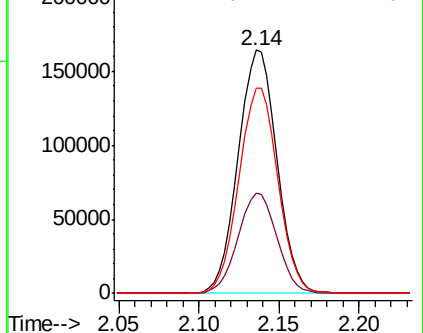
151 85.0 69.8 104.6



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: 52.297 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.01 min

Lab File: VV013977.D

Acq: 10 Dec 2019 10:15

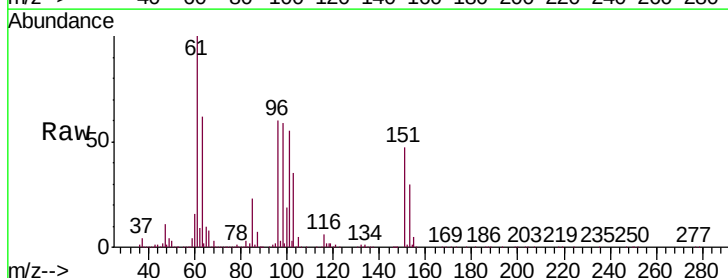
Tgt Ion: 96 Resp: 254568

Ion Ratio Lower Upper

96 100

61 166.1 114.0 211.8

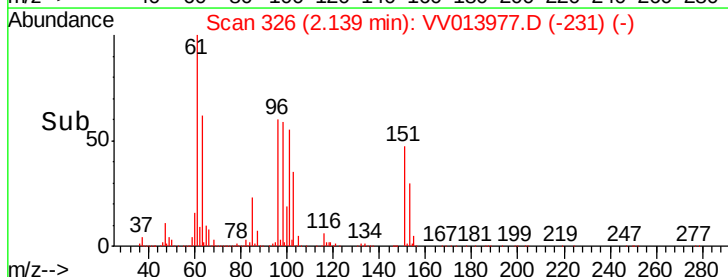
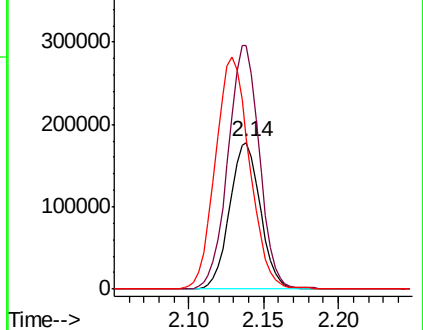
63 103.5 80.3 149.1

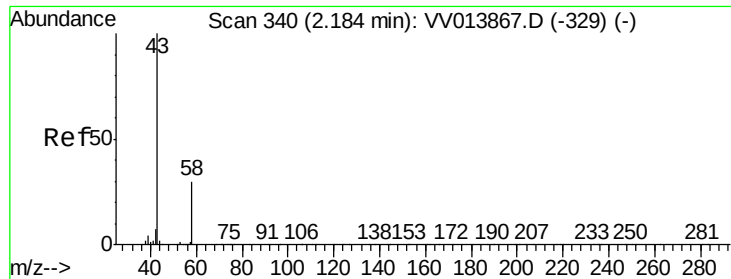


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 115.642 ug/L

RT: 2.18 min Scan# 339

Delta R.T. -0.00 min

Lab File: VV013977.D

Acq: 10 Dec 2019 10:15

Instrument :

MSVOA_V

ClientSampleId :

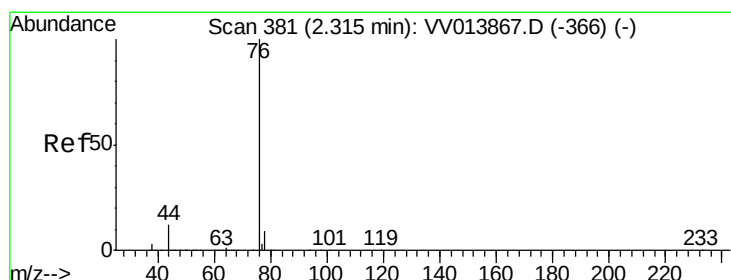
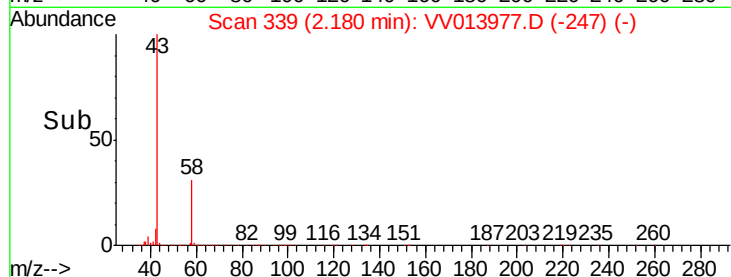
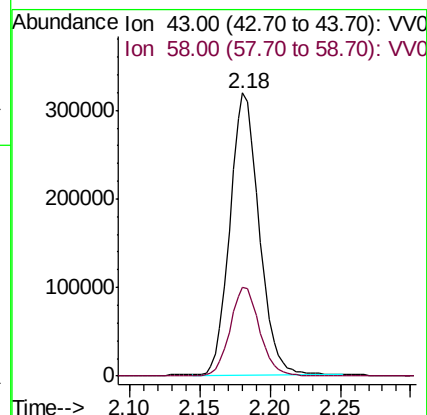
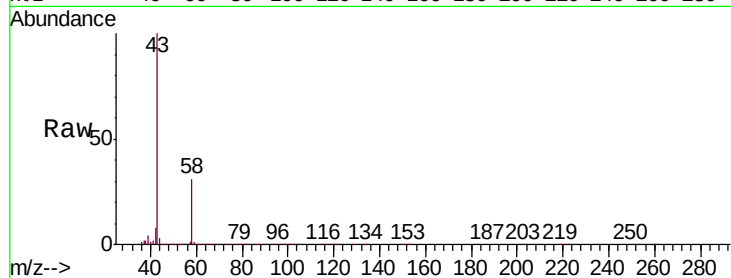
VSTD05075

Tgt Ion: 43 Resp: 462237

Ion Ratio Lower Upper

43 100

58 31.2 0.0 60.8



#14

Carbon disulfide

Concen: 52.557 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.01 min

Lab File: VV013977.D

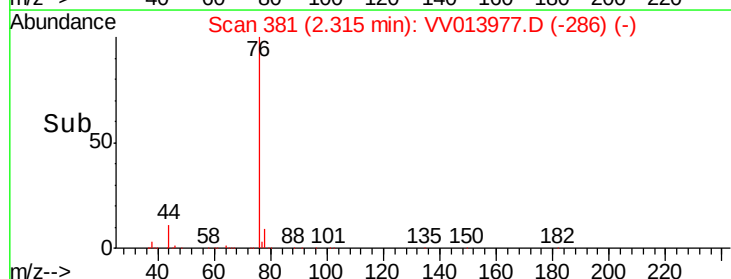
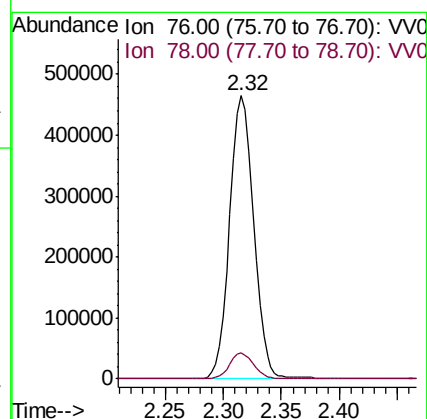
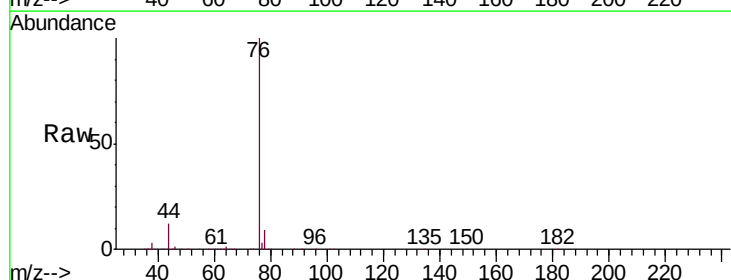
Acq: 10 Dec 2019 10:15

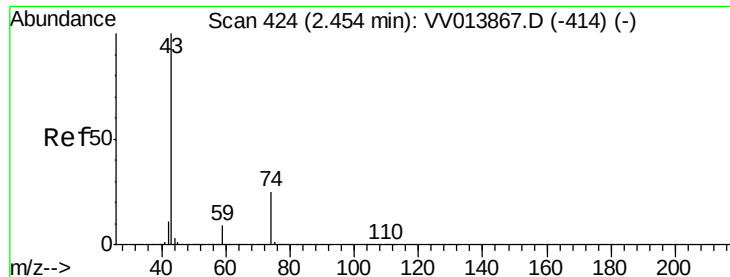
Tgt Ion: 76 Resp: 674671

Ion Ratio Lower Upper

76 100

78 9.1 7.2 10.8

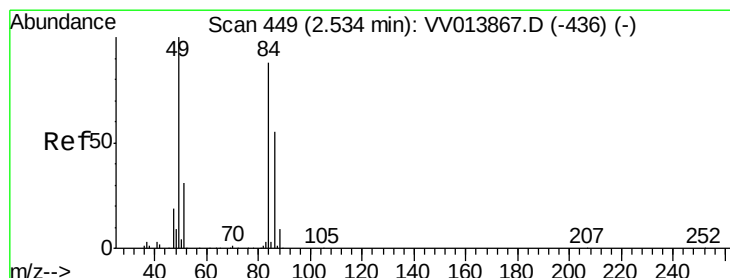
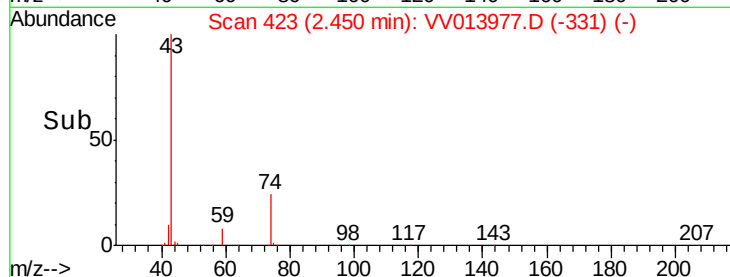
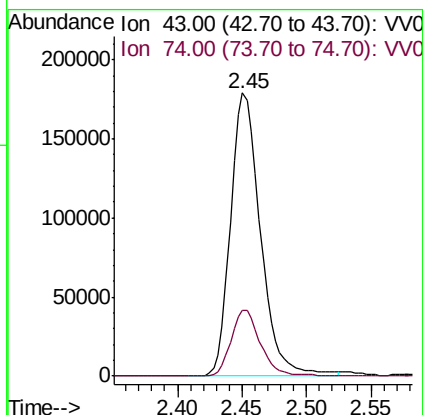
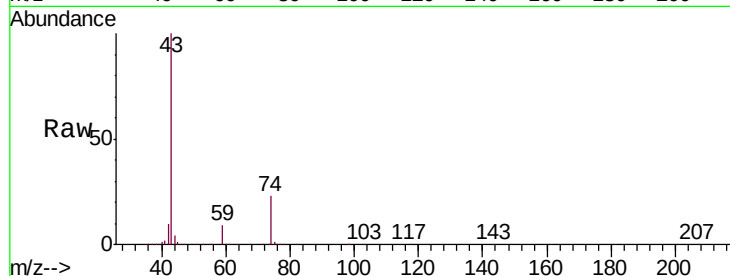




#15
Methyl Acetate
Concen: 58.184 ug/L
RT: 2.45 min Scan# 423
Delta R.T. -0.00 min
Lab File: VV013977.D
Acq: 10 Dec 2019 10:15

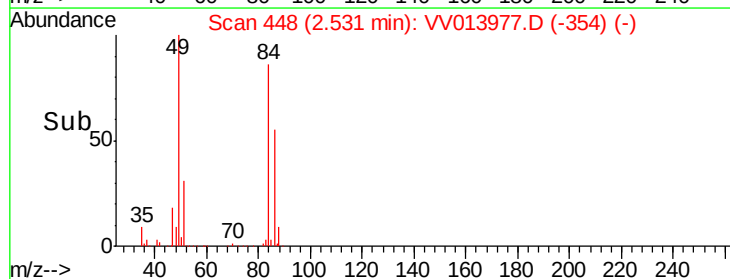
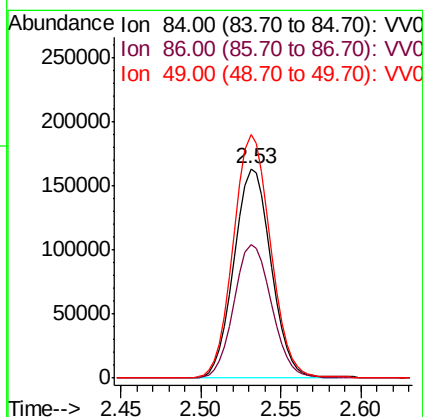
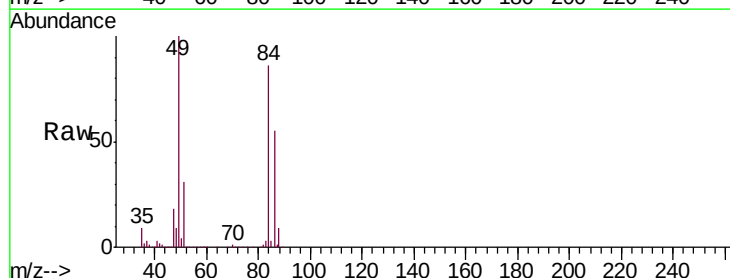
Instrument :
MSVOA_V
ClientSampleId :
VSTD05075

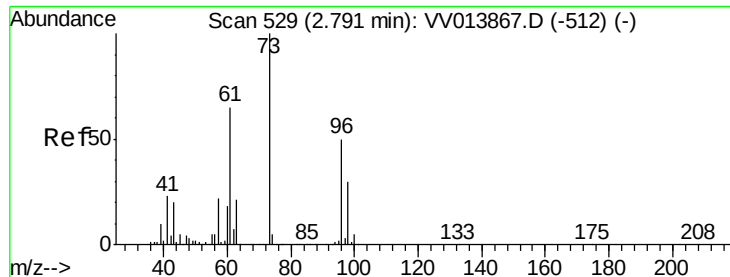
Tgt Ion: 43 Resp: 286625
Ion Ratio Lower Upper
43 100
74 23.1 19.3 28.9



#16
Methylene chloride
Concen: 51.166 ug/L
RT: 2.53 min Scan# 448
Delta R.T. 0.00 min
Lab File: VV013977.D
Acq: 10 Dec 2019 10:15

Tgt Ion: 84 Resp: 259363
Ion Ratio Lower Upper
84 100
86 63.9 43.9 81.5
49 116.4 79.7 147.9





#17

trans-1,2-Dichloroethene

Concen: 47.067 ug/L

RT: 2.79 min Scan# 528

Delta R.T. 0.00 min

Lab File: VV013977.D

Acq: 10 Dec 2019 10:15

Instrument :

MSVOA_V

ClientSampleId :

VSTD05075

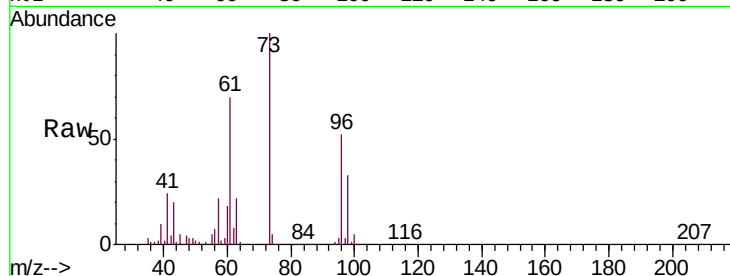
Tgt Ion: 96 Resp: 224101

Ion Ratio Lower Upper

96 100

61 136.1 92.2 171.2

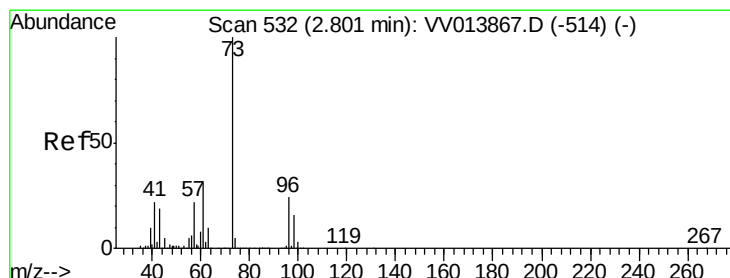
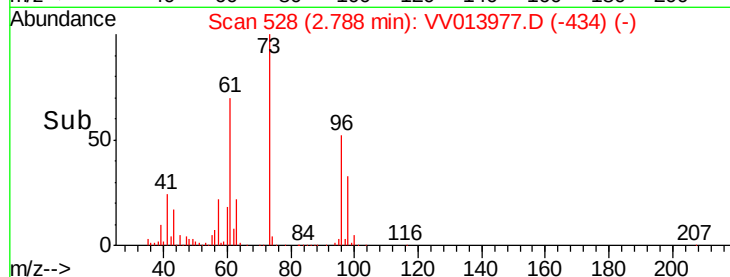
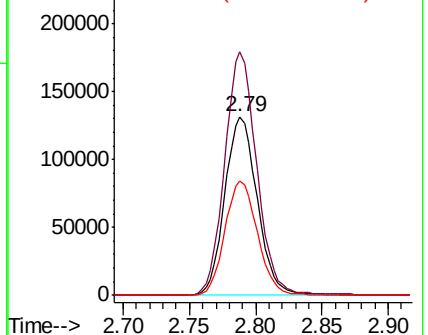
98 64.1 42.6 79.2



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: 48.310 ug/L

RT: 2.80 min Scan# 531

Delta R.T. 0.00 min

Lab File: VV013977.D

Acq: 10 Dec 2019 10:15

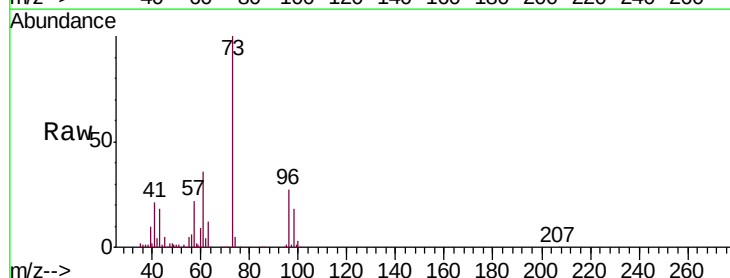
Tgt Ion: 73 Resp: 667518

Ion Ratio Lower Upper

73 100

43 18.9 15.0 22.6

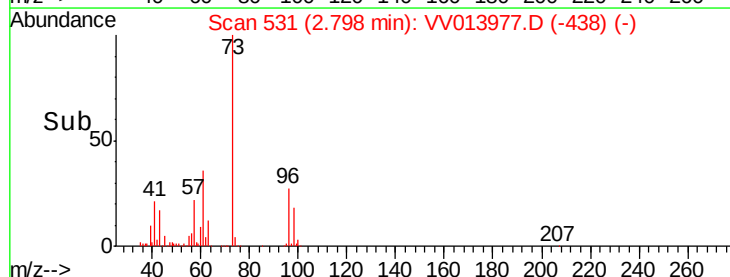
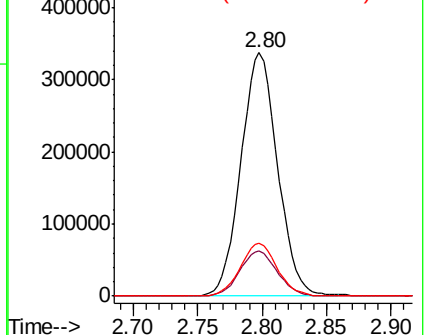
57 22.0 17.4 26.2

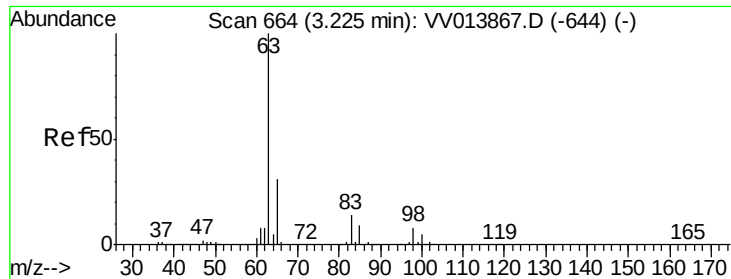


Abundance Ion 73.00 (72.70 to 73.70): VV0

Ion 43.00 (42.70 to 43.70): VV0

Ion 57.00 (56.70 to 57.70): VV0

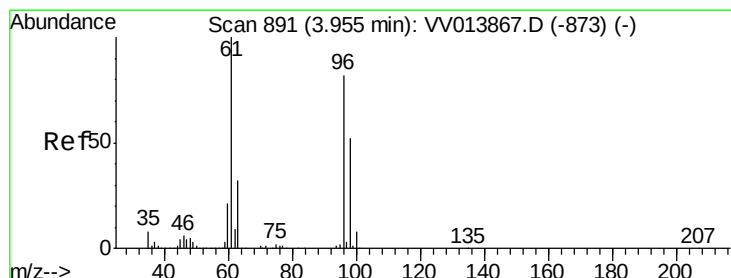
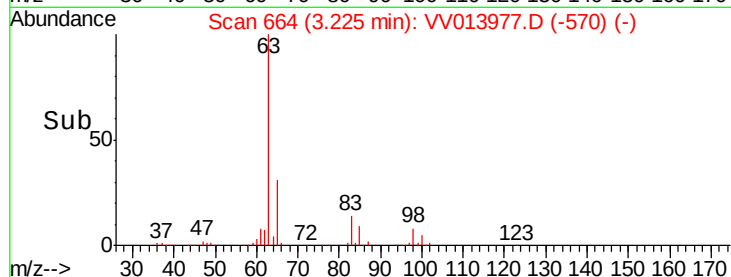
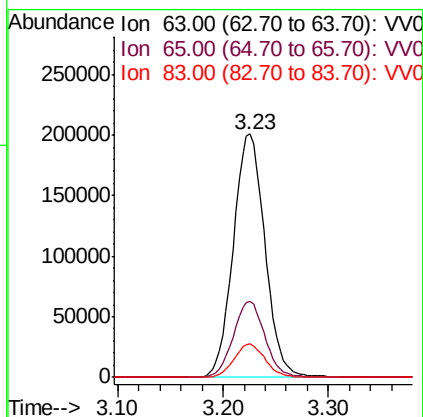
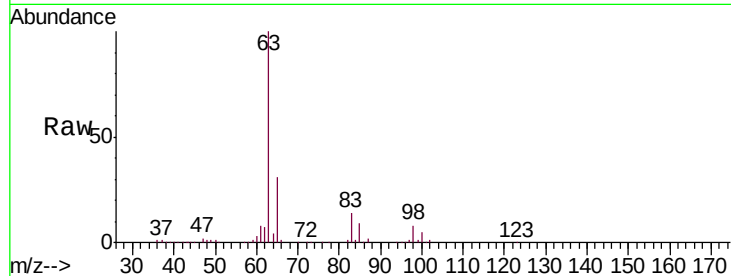




#19
 1,1-Dichloroethane
 Concen: 48.740 ug/L
 RT: 3.23 min Scan# 664
 Delta R.T. 0.00 min
 Lab File: VV013977.D
 Acq: 10 Dec 2019 10:15

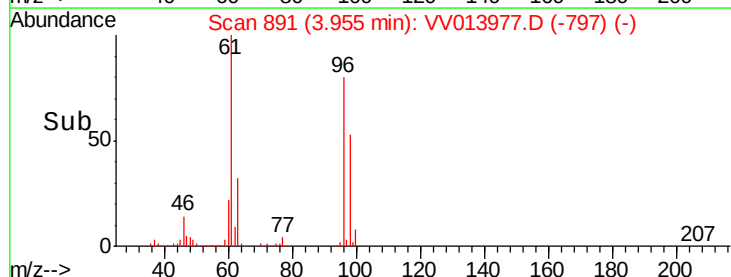
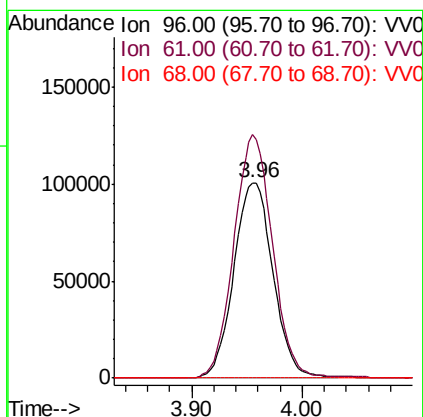
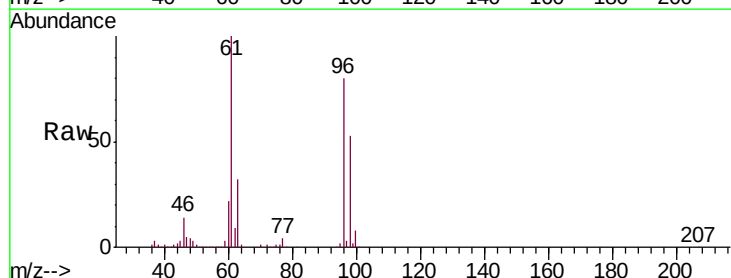
Instrument :
 MSVOA_V
 ClientSampled :
 VSTD05075

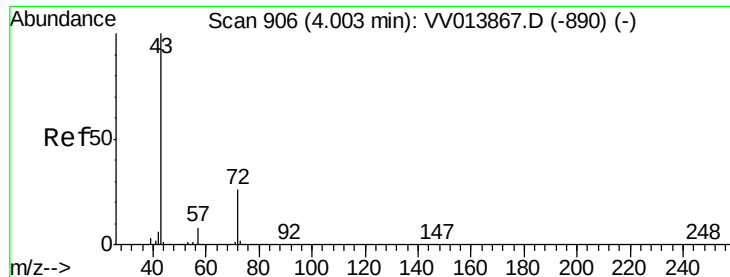
Tgt Ion: 63 Resp: 418100
 Ion Ratio Lower Upper
 63 100
 65 31.2 21.5 39.9
 83 13.6 9.7 18.1



#20
 cis-1,2-Dichloroethene
 Concen: 48.035 ug/L
 RT: 3.96 min Scan# 891
 Delta R.T. 0.00 min
 Lab File: VV013977.D
 Acq: 10 Dec 2019 10:15

Tgt Ion: 96 Resp: 247676
 Ion Ratio Lower Upper
 96 100
 61 124.5 85.3 158.5
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 104.111 ug/L

RT: 4.00 min Scan# 905

Delta R.T. -0.00 min

Lab File: VV013977.D

Acq: 10 Dec 2019 10:15

Instrument :

MSVOA_V

ClientSampleId :

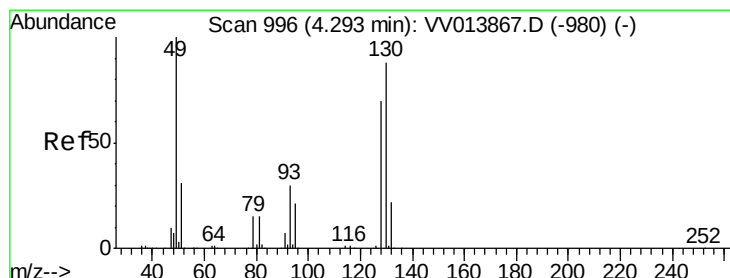
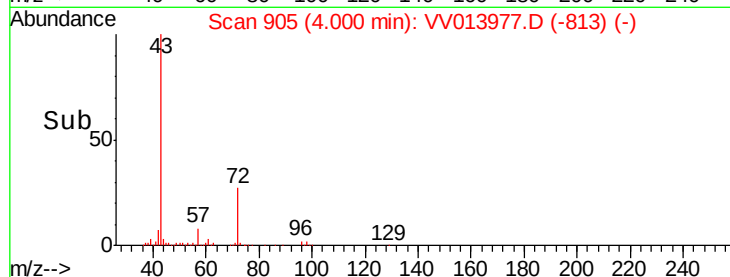
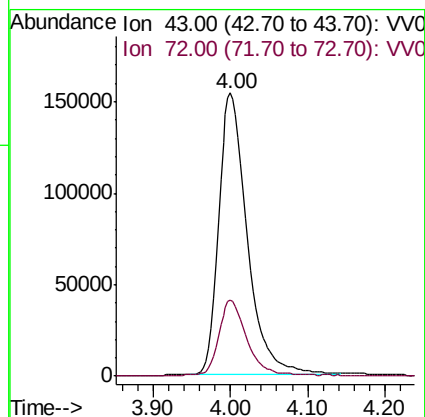
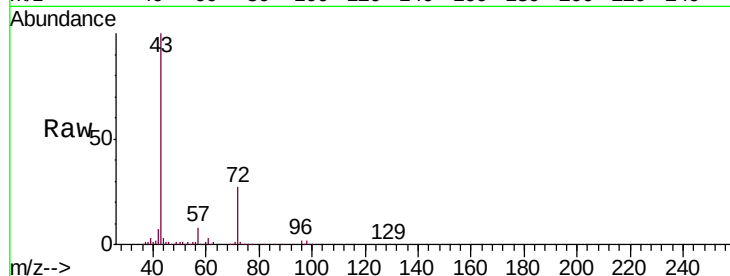
VSTD05075

Tgt Ion: 43 Resp: 399436

Ion Ratio Lower Upper

43 100

72 26.7 14.1 42.2



#23

Bromochloromethane

Concen: 48.465 ug/L

RT: 4.29 min Scan# 995

Delta R.T. 0.00 min

Lab File: VV013977.D

Acq: 10 Dec 2019 10:15

Tgt Ion: 128 Resp: 138063

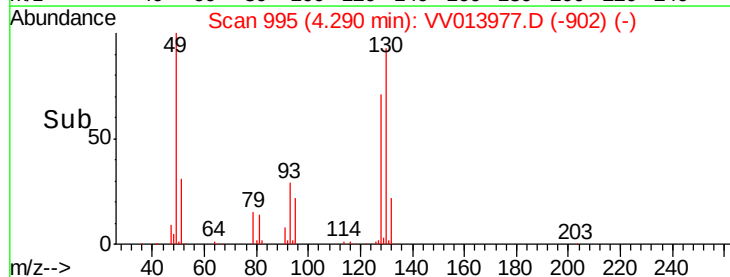
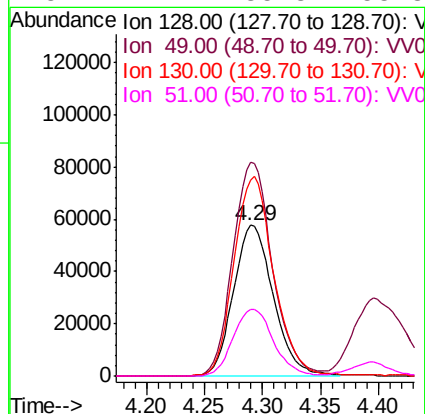
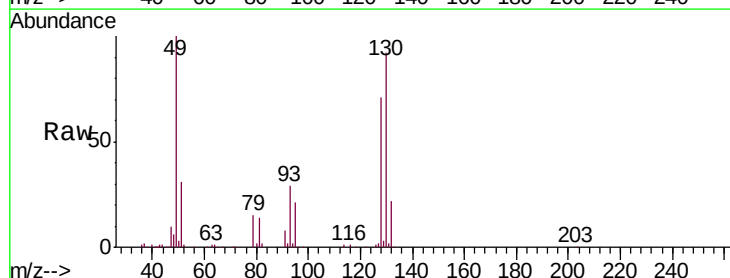
Ion Ratio Lower Upper

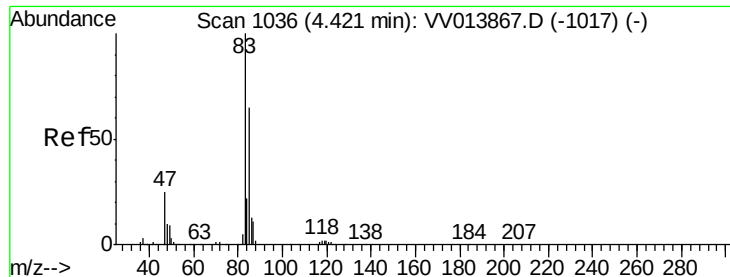
128 100

49 141.7 100.4 186.4

130 130.1 88.3 163.9

51 44.1 35.8 53.8





#25

Chloroform

Concen: 48.354 ug/L

RT: 4.42 min Scan# 1035

Delta R.T. 0.00 min

Lab File: VV013977.D

Acq: 10 Dec 2019 10:15

Instrument :

MSVOA_V

ClientSampleId :

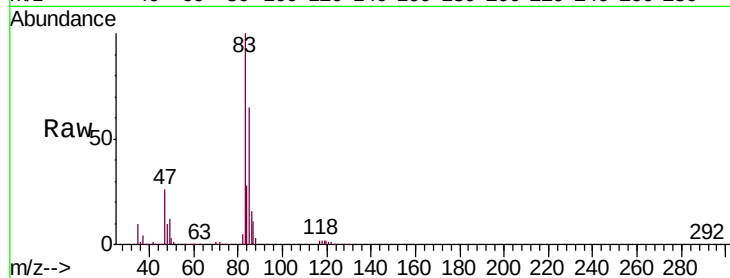
VSTD05075

Tgt Ion: 83 Resp: 443434

Ion Ratio Lower Upper

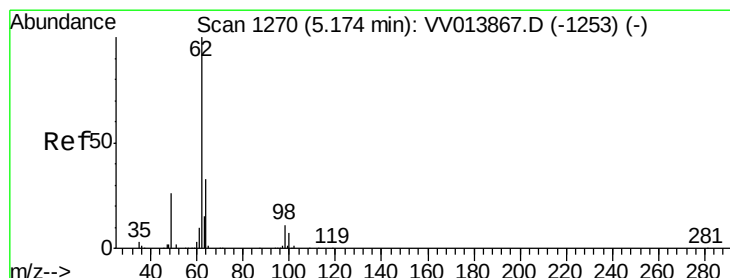
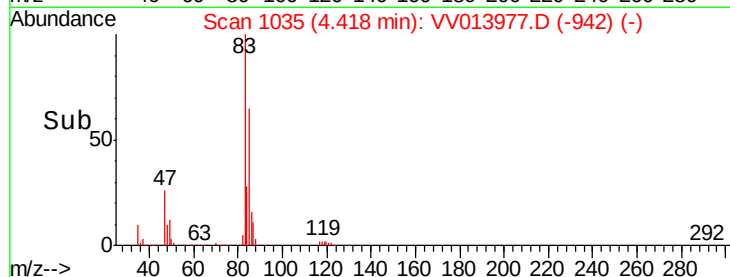
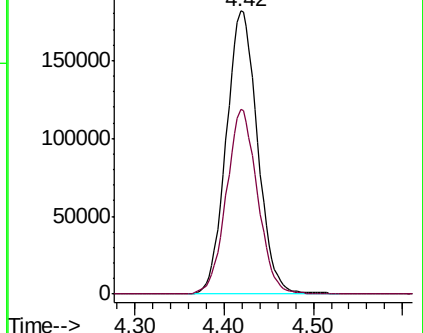
83 100

85 65.2 45.7 84.9



Abundance Ion 83.00 (82.70 to 83.70): VV013867.D (-1017) (-)

Ion 85.00 (84.70 to 85.70): VV013867.D (-1017) (-)



#27

1,2-Dichloroethane

Concen: 50.520 ug/L

RT: 5.17 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VV013977.D

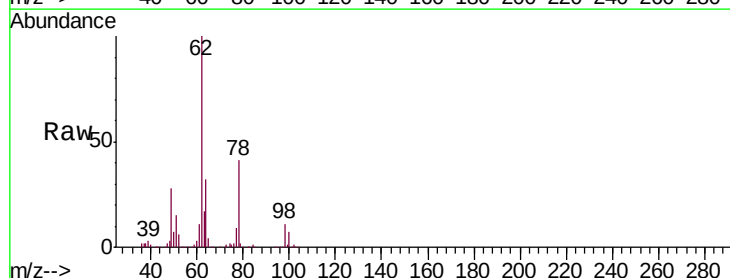
Acq: 10 Dec 2019 10:15

Tgt Ion: 62 Resp: 333840

Ion Ratio Lower Upper

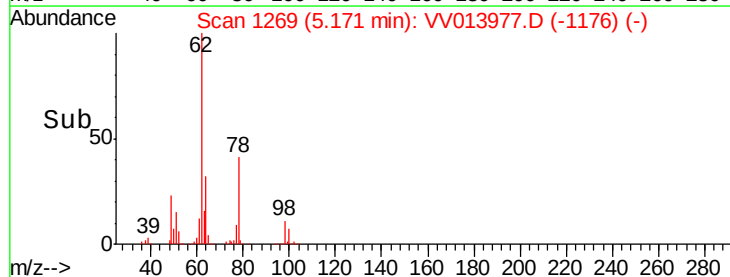
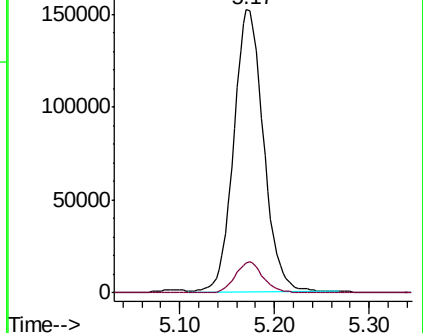
62 100

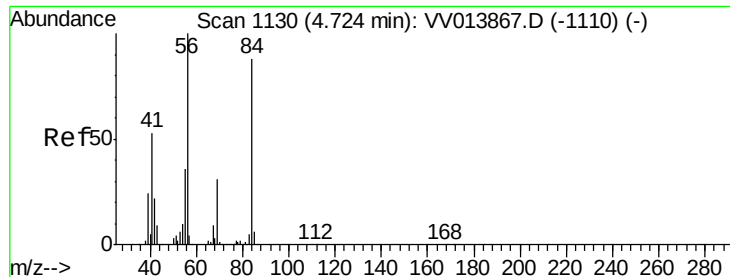
98 10.8 8.5 12.7



Abundance Ion 62.00 (61.70 to 62.70): VV013867.D (-1253) (-)

Ion 98.00 (97.70 to 98.70): VV013867.D (-1253) (-)

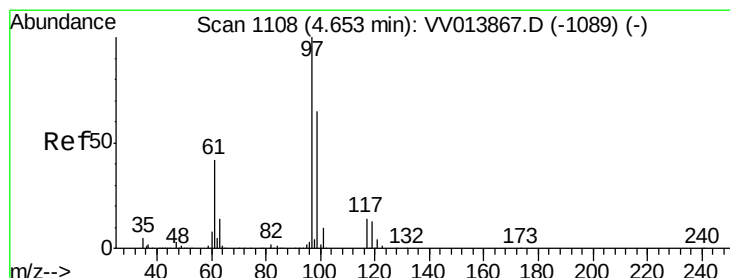
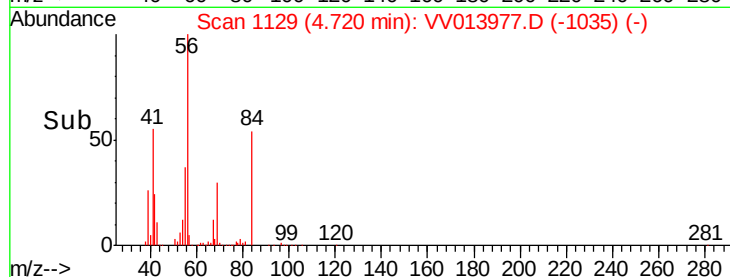
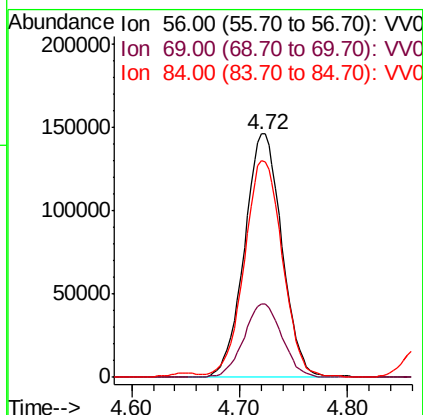
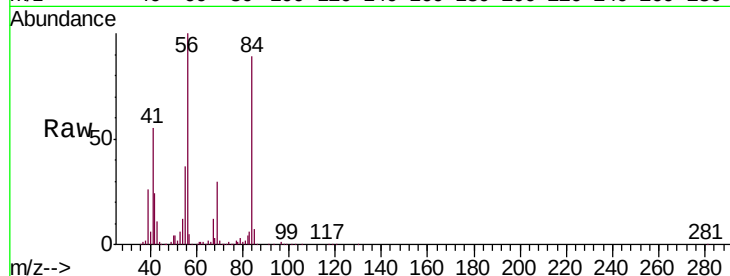




#29
Cyclohexane
Concen: 45.728 ug/L
RT: 4.72 min Scan# 1129
Delta R.T. 0.00 min
Lab File: VV013977.D
Acq: 10 Dec 2019 10:15

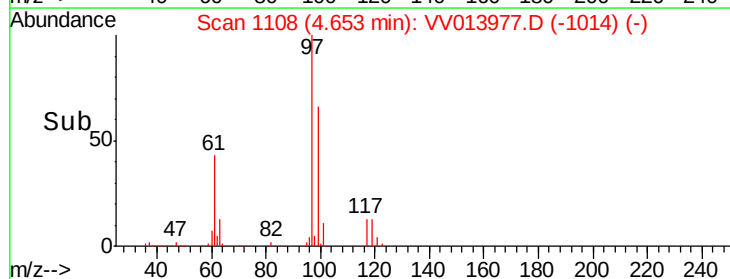
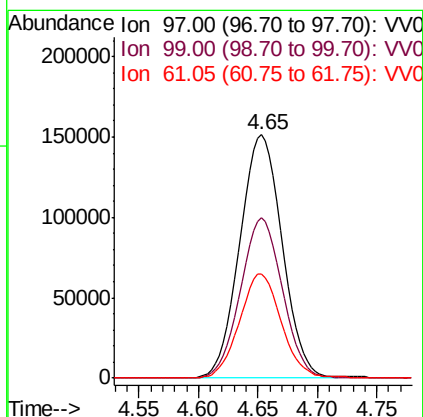
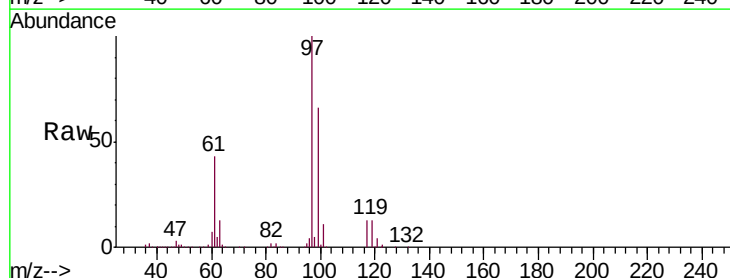
Instrument :
MSVOA_V
ClientSampleId :
VSTD05075

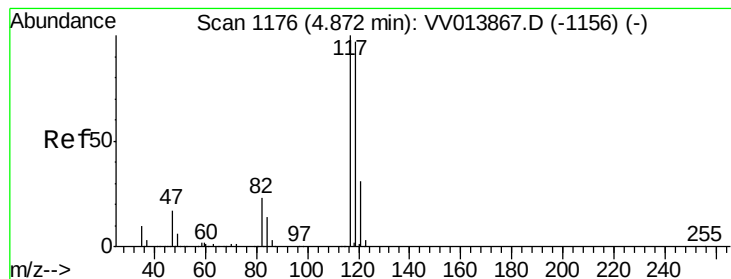
Tgt Ion: 56 Resp: 352365
Ion Ratio Lower Upper
56 100
69 30.7 24.9 37.3
84 90.2 71.0 106.4



#30
1,1,1-Trichloroethane
Concen: 47.085 ug/L
RT: 4.65 min Scan# 1108
Delta R.T. 0.00 min
Lab File: VV013977.D
Acq: 10 Dec 2019 10:15

Tgt Ion: 97 Resp: 374898
Ion Ratio Lower Upper
97 100
99 65.0 51.4 77.2
61 42.1 33.2 49.8





#31

Carbon tetrachloride

Concen: 49.361 ug/L

RT: 4.87 min Scan# 1176

Delta R.T. 0.00 min

Lab File: VV013977.D

Acq: 10 Dec 2019 10:15

Instrument :

MSVOA_V

ClientSampleId :

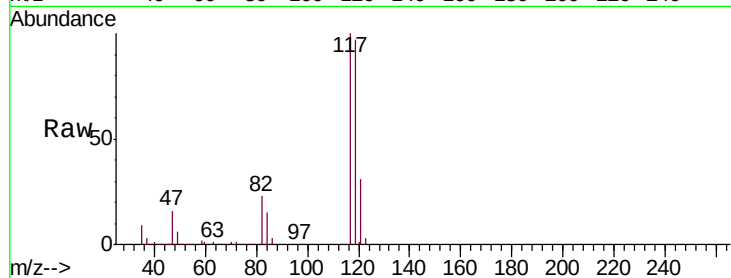
VSTD05075

Tgt Ion:117 Resp: 351078

Ion Ratio Lower Upper

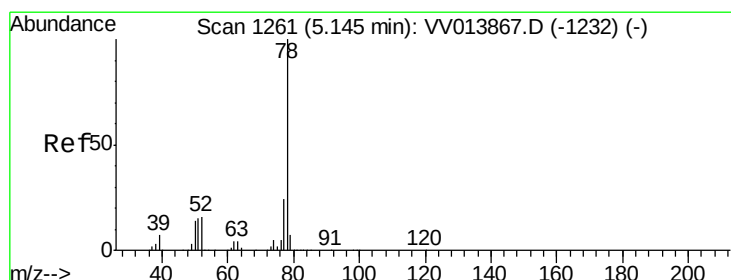
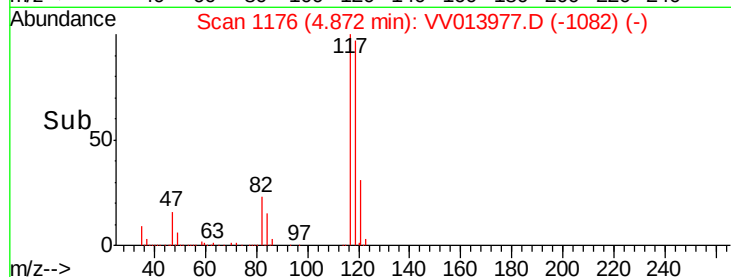
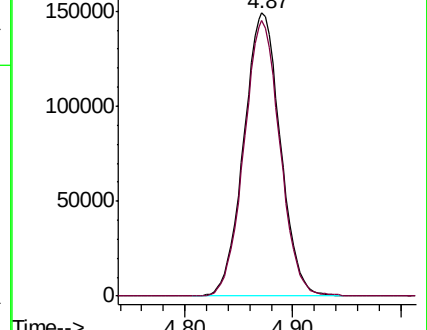
117 100

119 95.2 77.9 116.9



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 48.820 ug/L

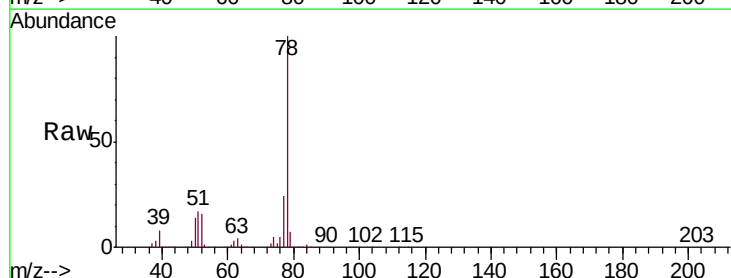
RT: 5.14 min Scan# 1260

Delta R.T. 0.00 min

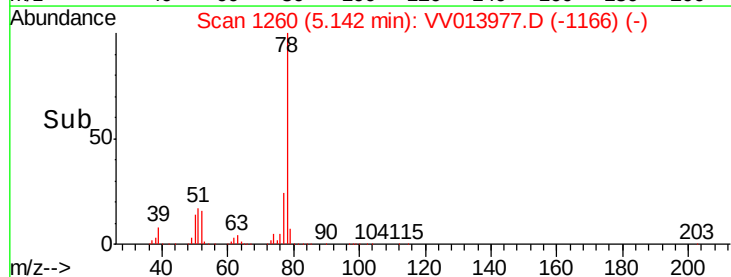
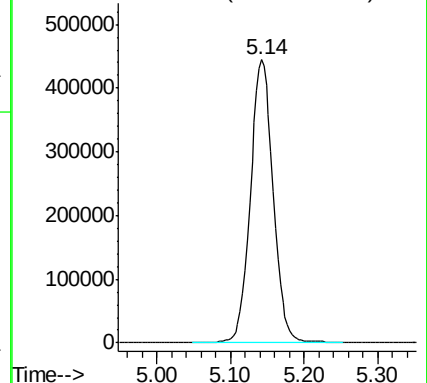
Lab File: VV013977.D

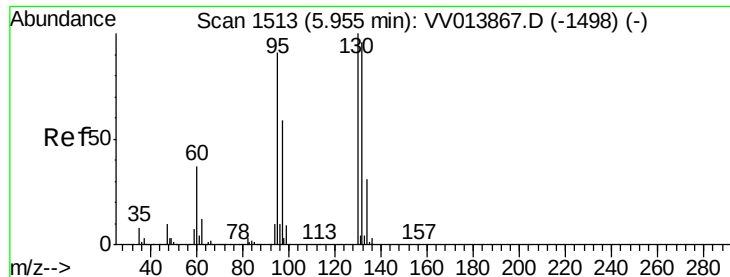
Acq: 10 Dec 2019 10:15

Tgt Ion: 78 Resp: 958876



Abundance Ion 78.00 (77.70 to 78.70): VV0





#34

Trichloroethene

Concen: 49.103 ug/L

RT: 5.96 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VV013977.D

Acq: 10 Dec 2019 10:15

Instrument :

MSVOA_V

ClientSampleId :

VSTD05075

Tgt Ion: 95 Resp: 258673

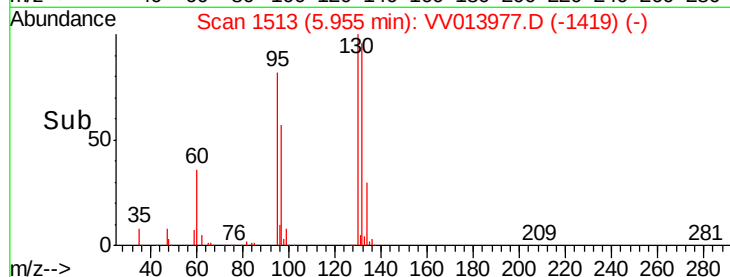
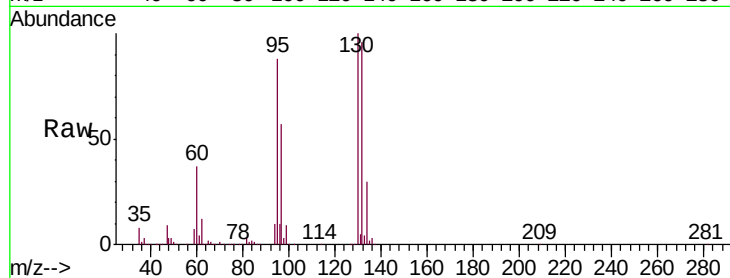
Ion Ratio Lower Upper

95 100

97 64.3 45.4 84.4

132 108.5 73.7 136.9

130 113.0 77.1 143.1

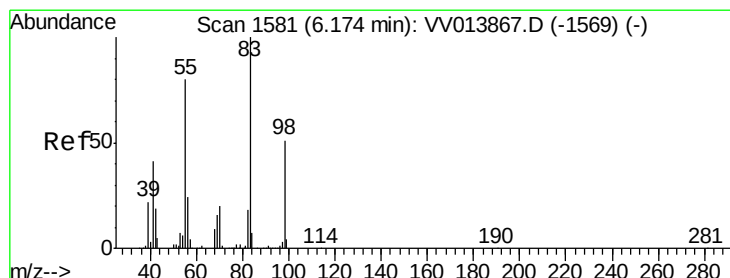
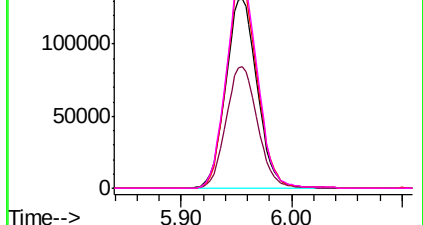


Abundance Ion 95.00 (94.70 to 95.70): VV013867.D (-1498) (-)

Ion 97.00 (96.70 to 97.70): VV013867.D (-1498) (-)

Ion 132.00 (131.70 to 132.70): VV013867.D (-1498) (-)

Ion 130.00 (129.70 to 130.70): VV013867.D (-1498) (-)



#35

Methylcyclohexane

Concen: 49.362 ug/L

RT: 6.17 min Scan# 1580

Delta R.T. 0.00 min

Lab File: VV013977.D

Acq: 10 Dec 2019 10:15

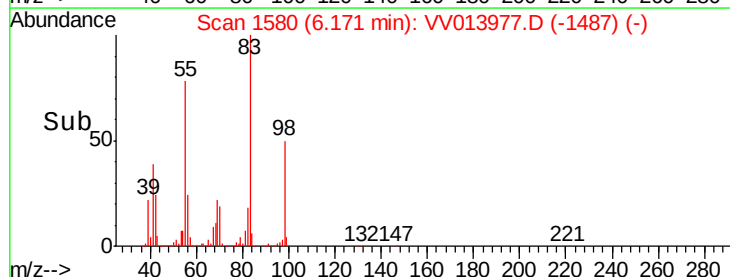
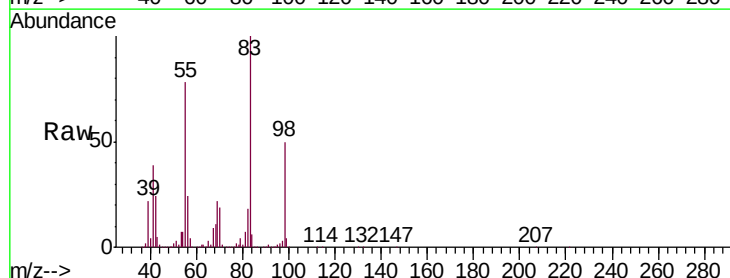
Tgt Ion: 83 Resp: 390156

Ion Ratio Lower Upper

83 100

55 76.5 61.0 91.4

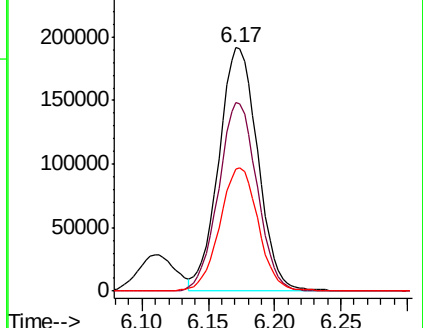
98 49.6 39.6 59.4

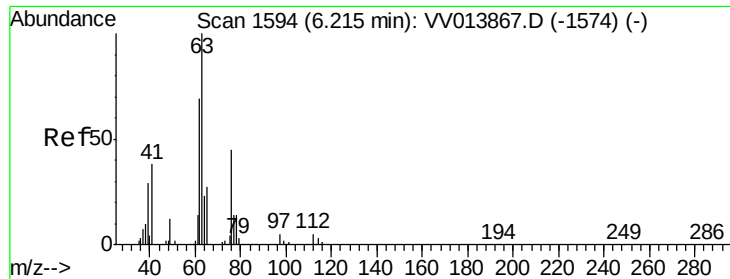


Abundance Ion 83.00 (82.70 to 83.70): VV013867.D (-1569) (-)

Ion 55.00 (54.70 to 55.70): VV013867.D (-1569) (-)

Ion 98.00 (97.70 to 98.70): VV013867.D (-1569) (-)

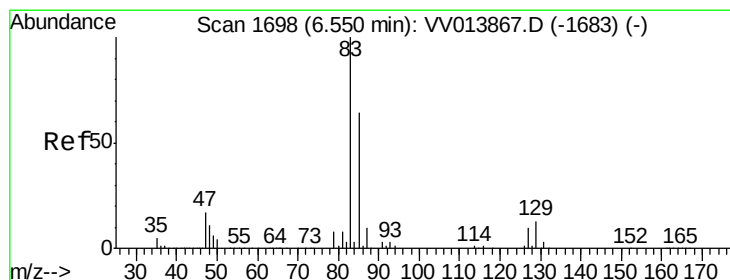
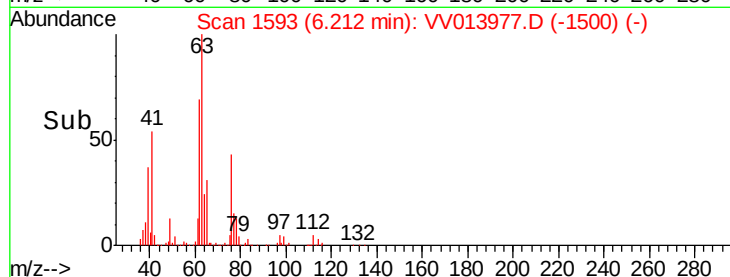
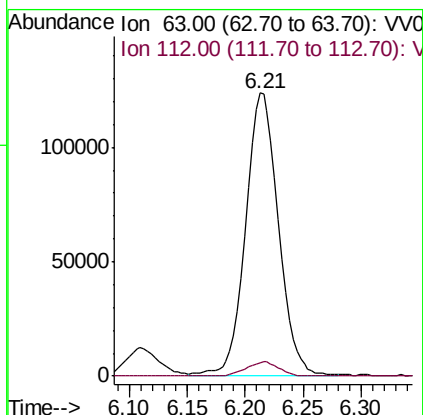
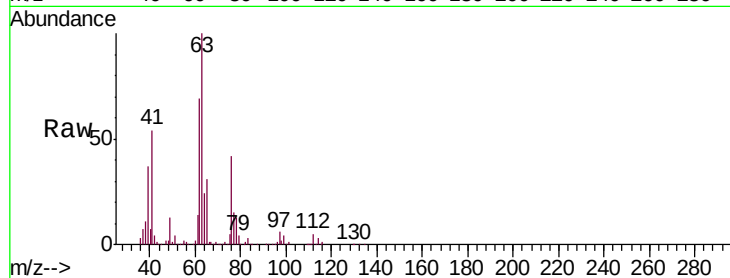




#37
 1,2-Dichloropropane
 Concen: 51.343 ug/L
 RT: 6.21 min Scan# 1593
 Delta R.T. 0.00 min
 Lab File: VV013977.D
 Acq: 10 Dec 2019 10:15

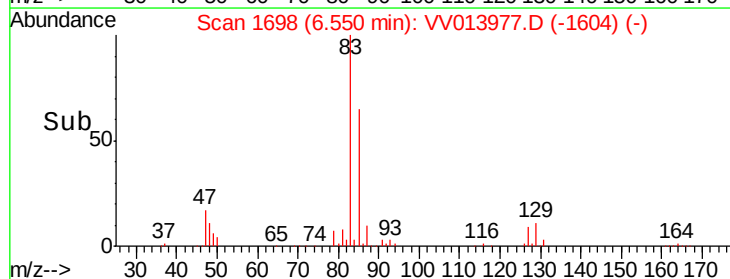
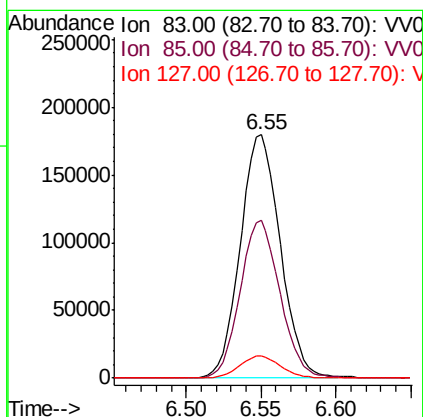
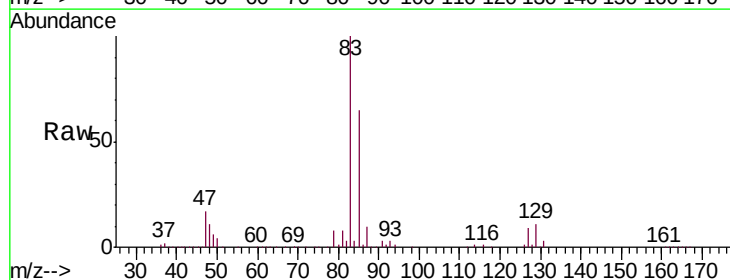
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05075

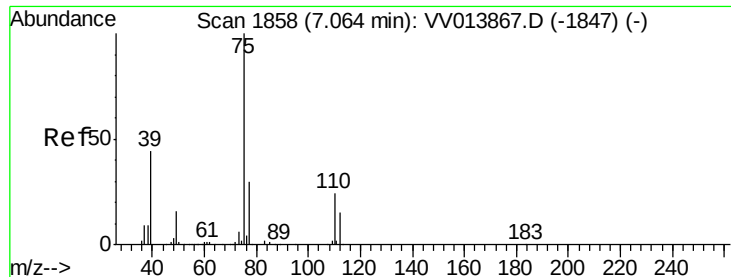
Tgt Ion: 63 Resp: 244072
 Ion Ratio Lower Upper
 63 100
 112 5.1 4.2 6.2



#38
 Bromodichloromethane
 Concen: 49.437 ug/L
 RT: 6.55 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VV013977.D
 Acq: 10 Dec 2019 10:15

Tgt Ion: 83 Resp: 333281
 Ion Ratio Lower Upper
 83 100
 85 64.6 44.8 83.2
 127 9.3 7.7 11.5

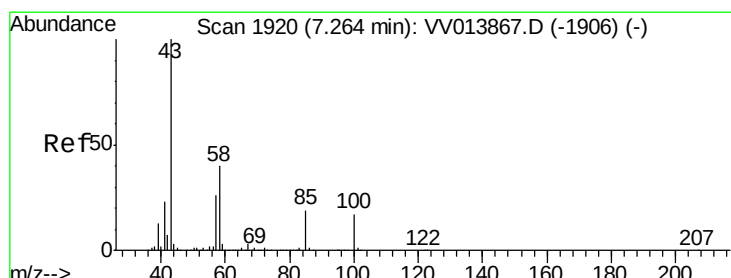
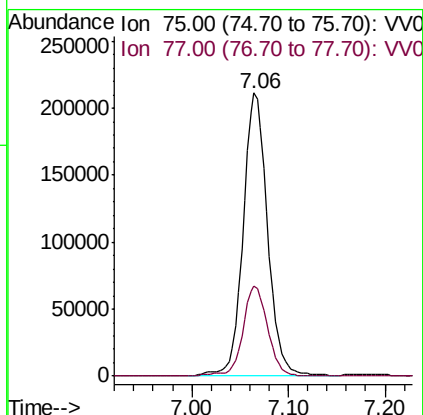
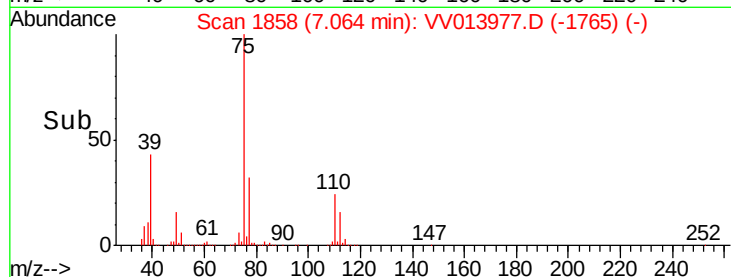
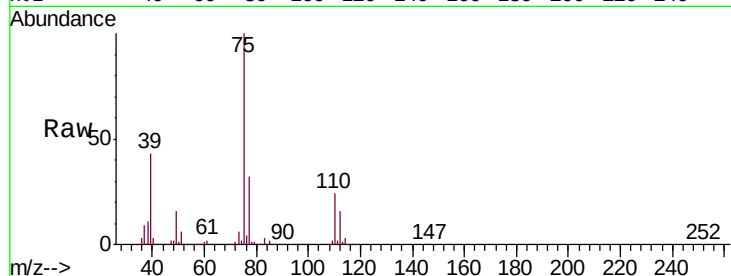




#39
 cis-1,3-Dichloropropene
 Concen: 49.472 ug/L
 RT: 7.06 min Scan# 1858
 Delta R.T. 0.00 min
 Lab File: VV013977.D
 Acq: 10 Dec 2019 10:15

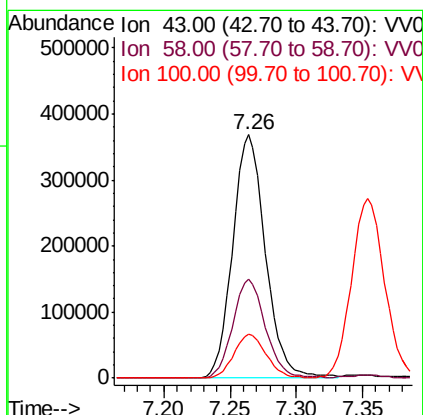
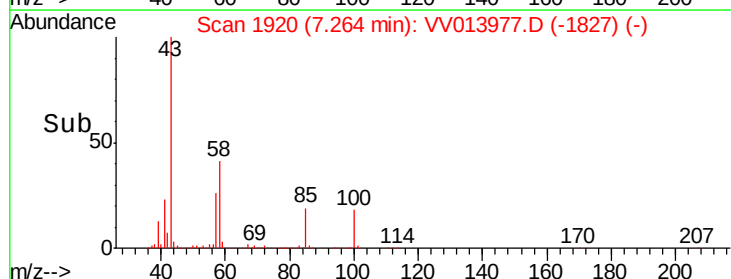
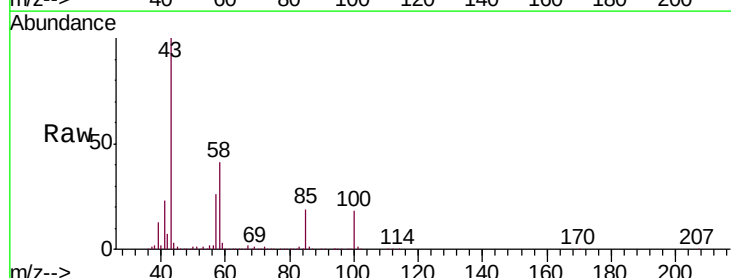
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05075

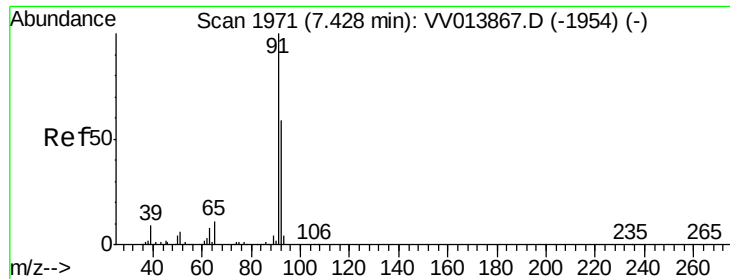
Tgt Ion: 75 Resp: 370231
 Ion Ratio Lower Upper
 75 100
 77 31.7 21.6 40.2



#40
 4-Methyl-2-pentanone
 Concen: 102.241 ug/L
 RT: 7.26 min Scan# 1920
 Delta R.T. 0.00 min
 Lab File: VV013977.D
 Acq: 10 Dec 2019 10:15

Tgt Ion: 43 Resp: 632001
 Ion Ratio Lower Upper
 43 100
 58 40.5 31.9 47.9
 100 17.8 13.7 20.5





#42

Toluene

Concen: 51.936 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. 0.00 min

Lab File: VV013977.D

Acq: 10 Dec 2019 10:15

Instrument :

MSVOA_V

ClientSampleId :

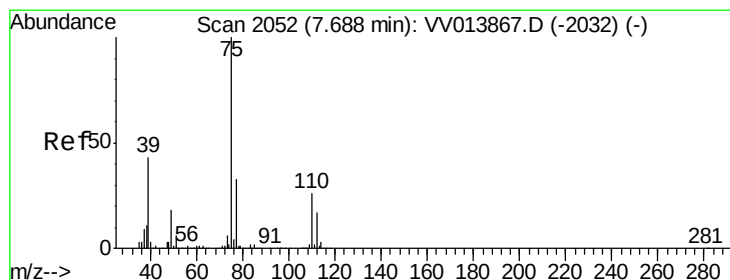
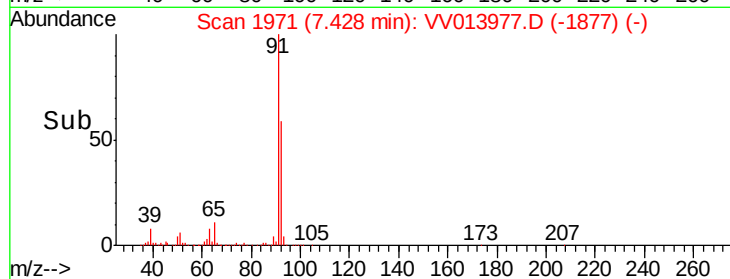
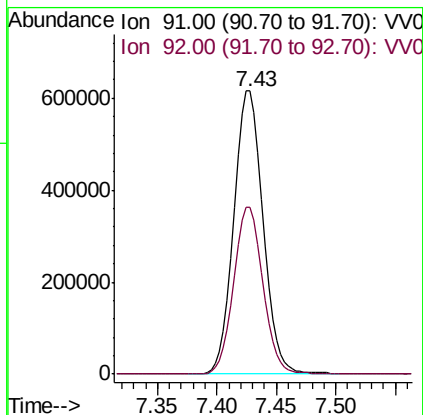
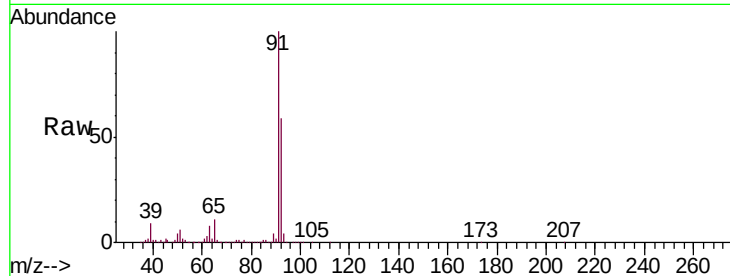
VSTD05075

Tgt Ion: 91 Resp: 1052495

Ion Ratio Lower Upper

91 100

92 59.1 41.4 77.0



#44

trans-1,3-Dichloropropene

Concen: 50.903 ug/L

RT: 7.69 min Scan# 2052

Delta R.T. 0.00 min

Lab File: VV013977.D

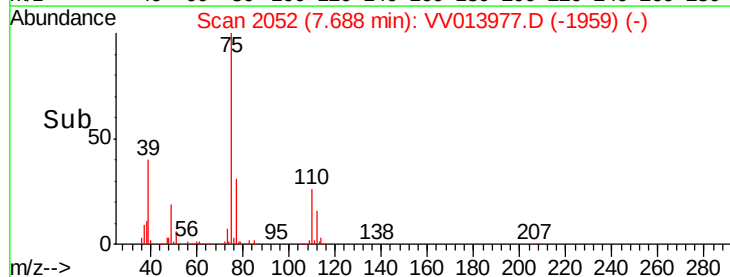
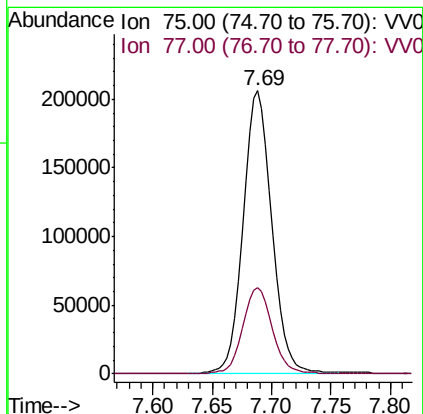
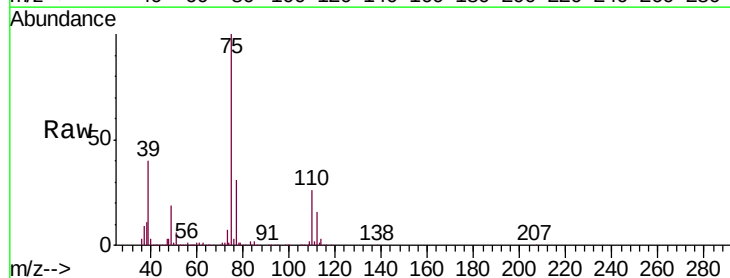
Acq: 10 Dec 2019 10:15

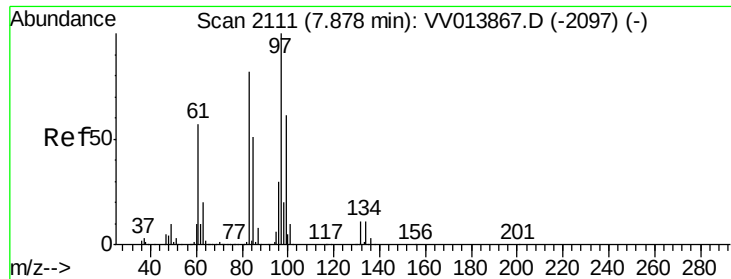
Tgt Ion: 75 Resp: 344954

Ion Ratio Lower Upper

75 100

77 30.6 22.9 42.5

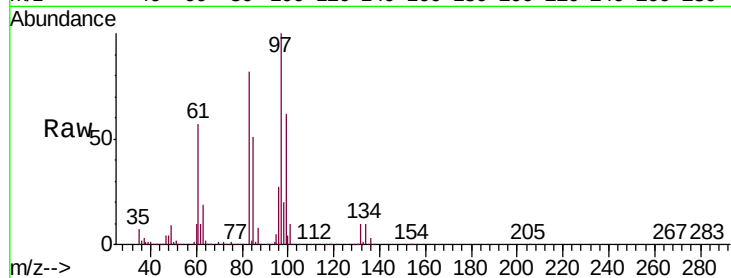




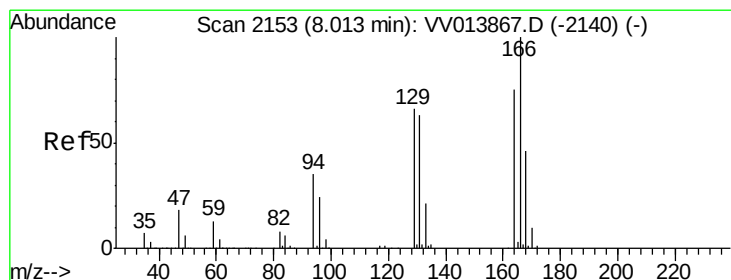
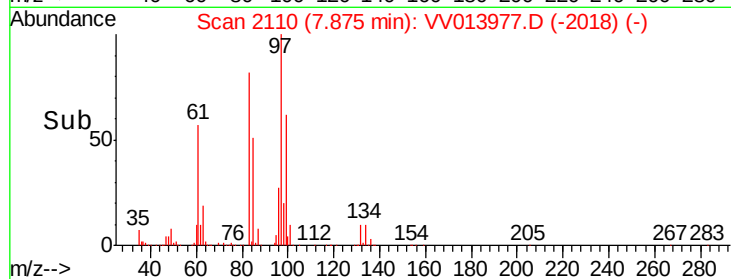
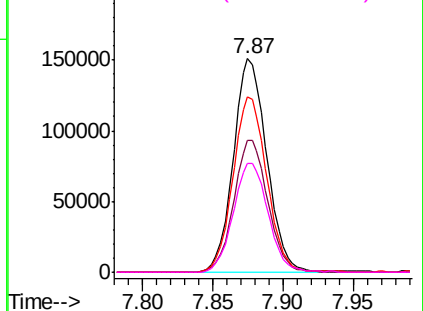
#45
 1,1,2-Trichloroethane
 Concen: 53.118 ug/L
 RT: 7.87 min Scan# 2110
 Delta R.T. -0.00 min
 Lab File: VV013977.D
 Acq: 10 Dec 2019 10:15

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05075

Tgt Ion:	97	Resp:	250642
Ion	Ratio	Lower	Upper
97	100		
99	61.6	43.0	80.0
83	82.0	57.5	106.9
85	50.7	35.6	66.2

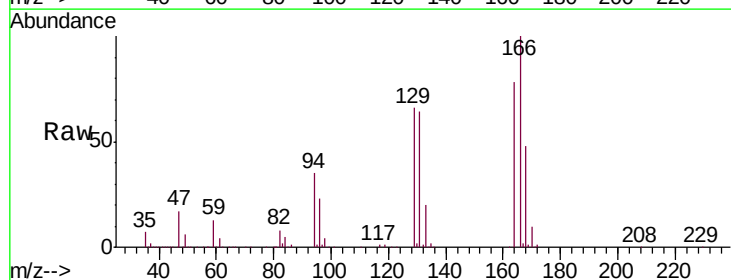


Abundance Ion 97.00 (96.70 to 97.70): VV013977.D (-2097) (-)
 Ion 99.00 (98.70 to 99.70): VV013977.D (-2097) (-)
 Ion 83.00 (82.70 to 83.70): VV013977.D (-2097) (-)
 Ion 85.00 (84.70 to 85.70): VV013977.D (-2097) (-)

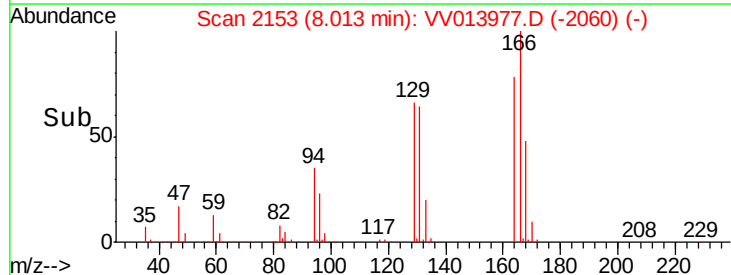
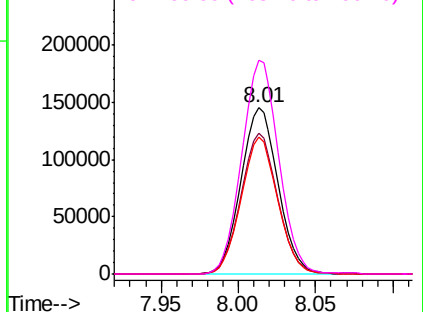


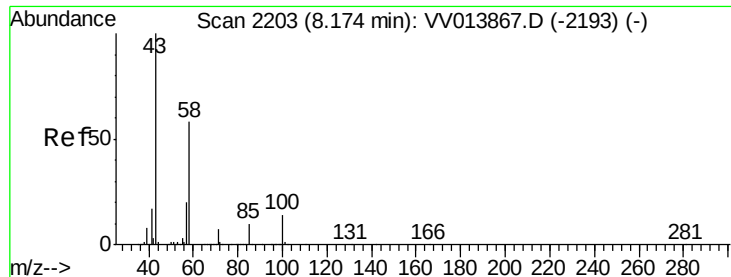
#46
 Tetrachloroethene
 Concen: 51.032 ug/L
 RT: 8.01 min Scan# 2153
 Delta R.T. 0.00 min
 Lab File: VV013977.D
 Acq: 10 Dec 2019 10:15

Tgt Ion:	164	Resp:	242589
Ion	Ratio	Lower	Upper
164	100		
129	84.4	61.7	114.7
131	82.2	58.4	108.6
166	128.6	93.4	173.6



Abundance Ion 164.00 (163.70 to 164.70): VV013867.D (-2140) (-)
 Ion 129.00 (128.70 to 129.70): VV013867.D (-2140) (-)
 Ion 131.00 (130.70 to 131.70): VV013867.D (-2140) (-)
 Ion 166.00 (165.70 to 166.70): VV013867.D (-2140) (-)

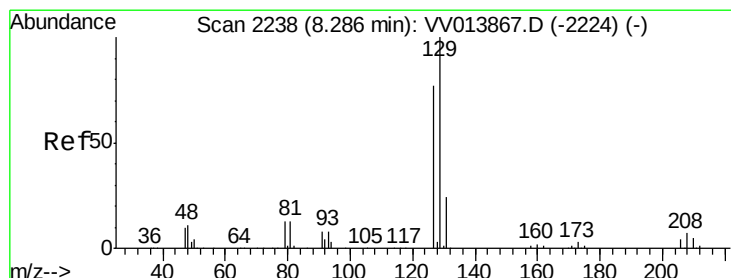
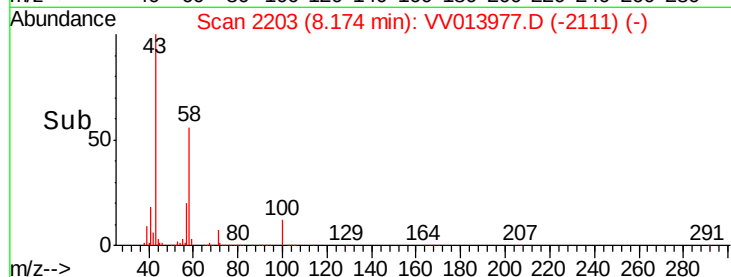
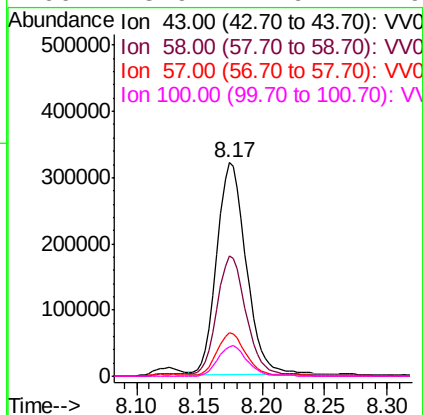
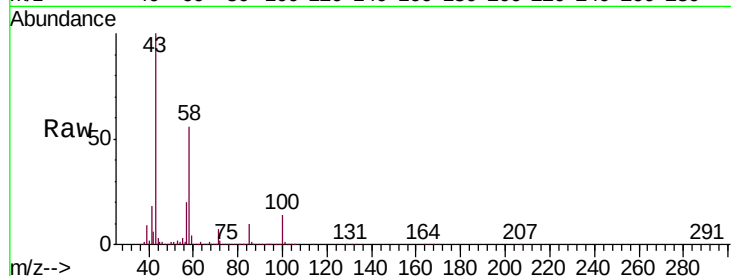




#48
2-Hexanone
Concen: 105.772 ug/L
RT: 8.17 min Scan# 2203
Delta R.T. -0.00 min
Lab File: VV013977.D
Acq: 10 Dec 2019 10:15

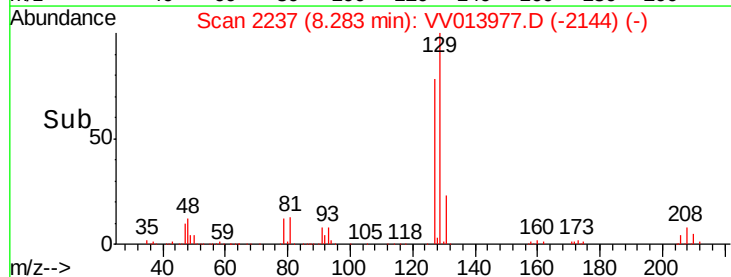
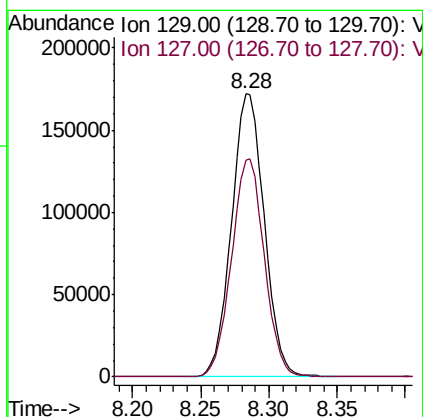
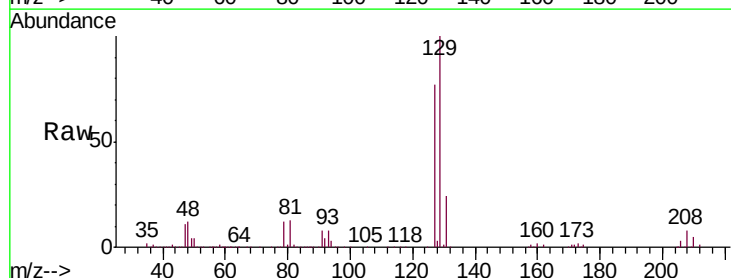
Instrument :
MSVOA_V
ClientSampleId :
VSTD05075

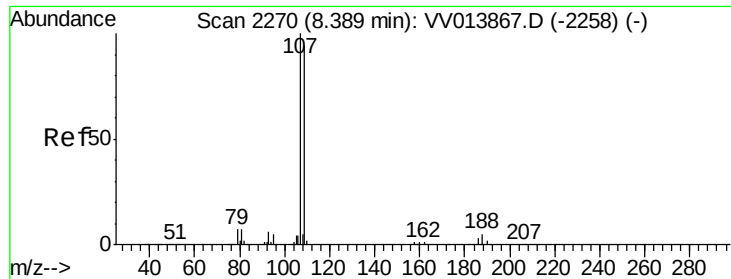
Tgt Ion:	43	Resp:	523027
Ion	Ratio	Lower	Upper
43	100		
58	55.1	48.4	72.6
57	19.4	16.6	24.8
100	13.9	11.9	17.9



#49
Dibromochloromethane
Concen: 49.829 ug/L
RT: 8.28 min Scan# 2237
Delta R.T. 0.00 min
Lab File: VV013977.D
Acq: 10 Dec 2019 10:15

Tgt Ion:	129	Resp:	287410
Ion	Ratio	Lower	Upper
129	100		
127	76.5	53.7	99.7

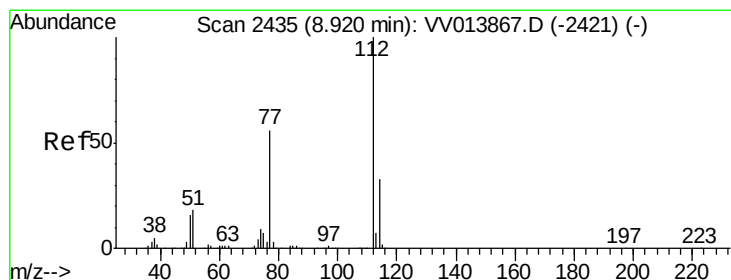
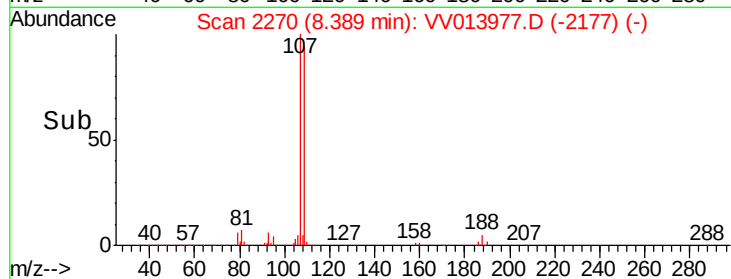
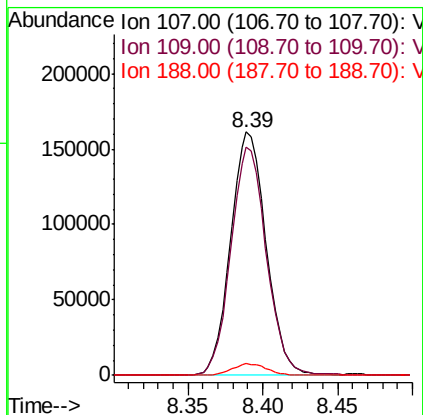
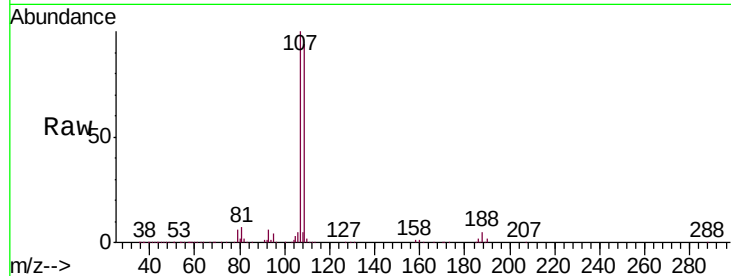




#50
1,2-Dibromoethane
Concen: 51.404 ug/L
RT: 8.39 min Scan# 2270
Delta R.T. 0.00 min
Lab File: VV013977.D
Acq: 10 Dec 2019 10:15

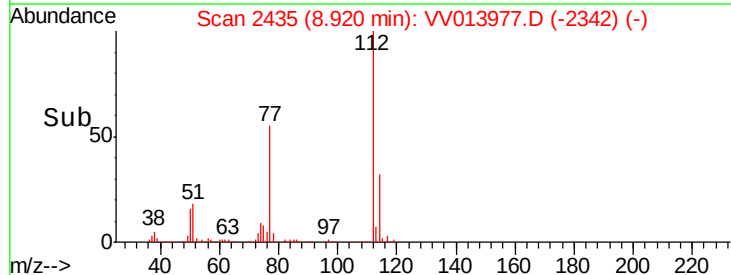
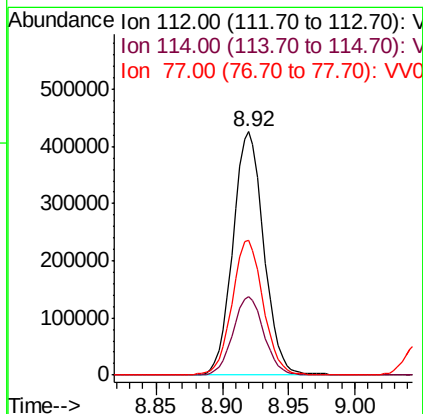
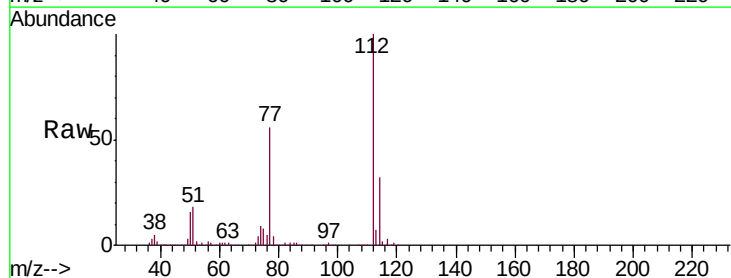
Instrument :
MSVOA_V
ClientSampleId :
VSTD05075

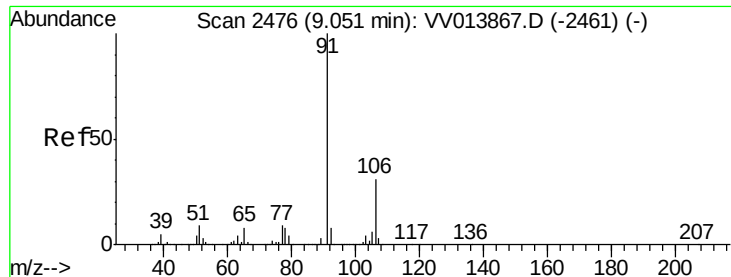
Tgt Ion	Ratio	Lower	Upper
107	100		
109	93.7	65.9	122.5
188	4.8	3.6	5.4



#51
Chlorobenzene
Concen: 49.313 ug/L
RT: 8.92 min Scan# 2435
Delta R.T. 0.00 min
Lab File: VV013977.D
Acq: 10 Dec 2019 10:15

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.3	23.2	43.2
77	55.5	45.0	67.4





#52

Ethylbenzene

Concen: 51.114 ug/L

RT: 9.05 min Scan# 2476

Delta R.T. 0.00 min

Lab File: VV013977.D

Acq: 10 Dec 2019 10:15

Instrument :

MSVOA_V

ClientSampleId :

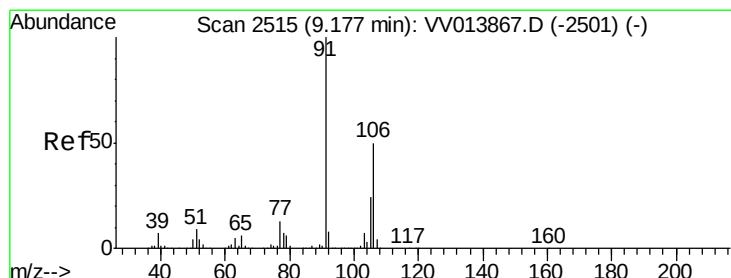
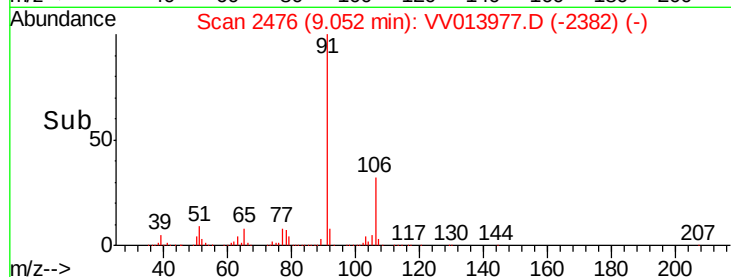
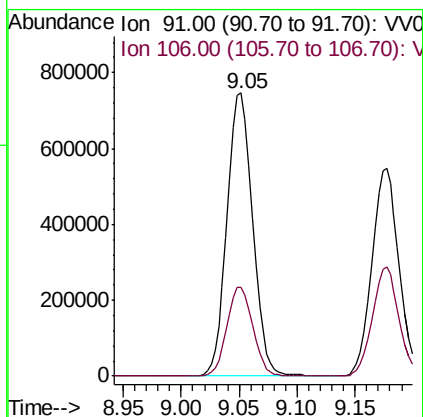
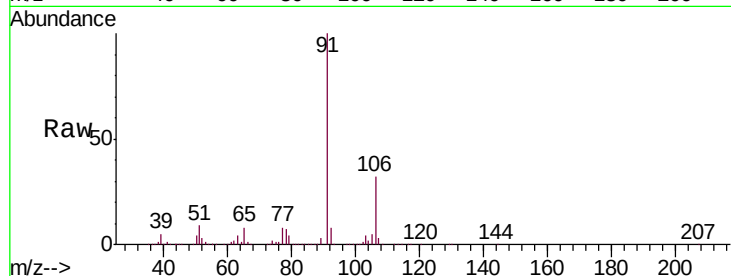
VSTD05075

Tgt Ion: 91 Resp: 1141922

Ion Ratio Lower Upper

91 100

106 31.6 21.8 40.4



#53

m,p-Xylene

Concen: 52.965 ug/L

RT: 9.18 min Scan# 2515

Delta R.T. 0.00 min

Lab File: VV013977.D

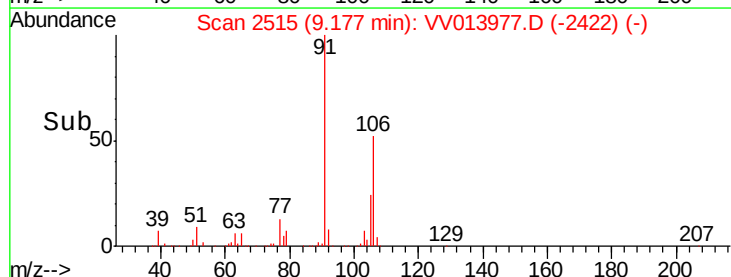
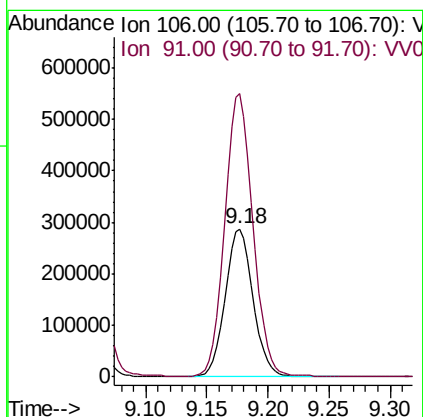
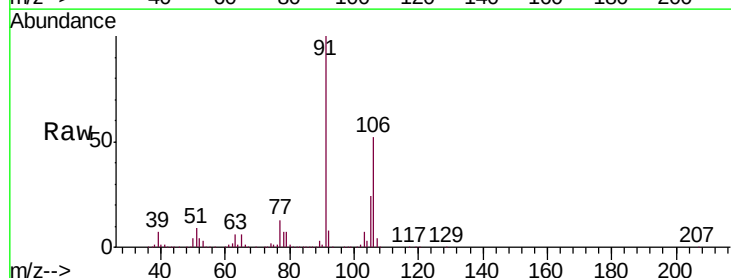
Acq: 10 Dec 2019 10:15

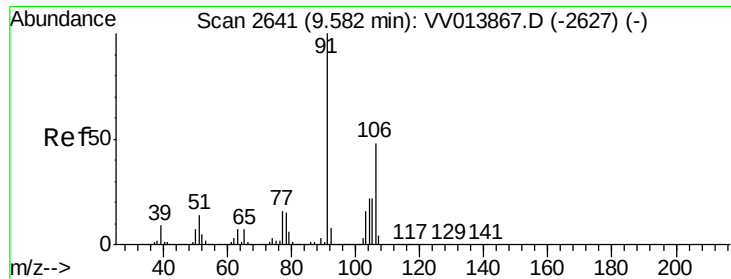
Tgt Ion: 106 Resp: 457575

Ion Ratio Lower Upper

106 100

91 190.9 139.4 259.0

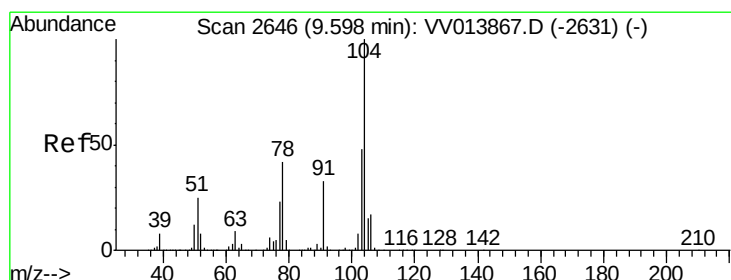
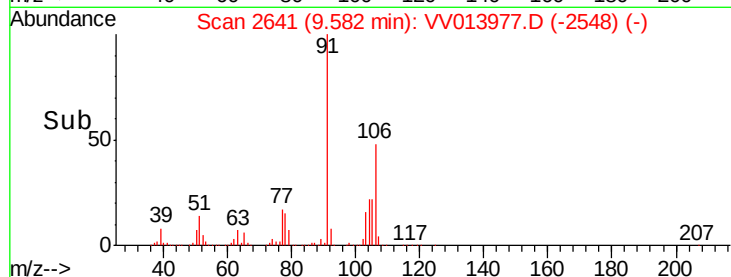
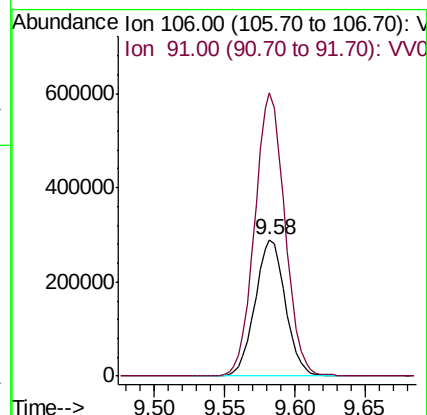
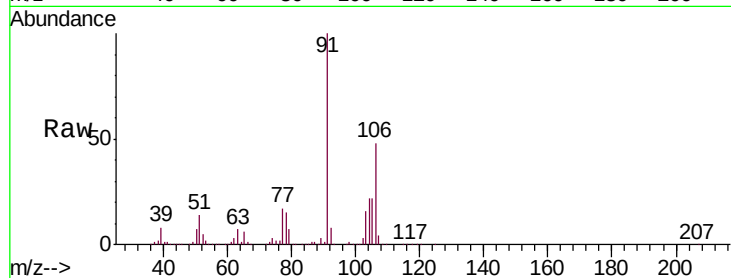




#54
o-xylene
Concen: 51.656 ug/L
RT: 9.58 min Scan# 2641
Delta R.T. 0.00 min
Lab File: VV013977.D
Acq: 10 Dec 2019 10:15

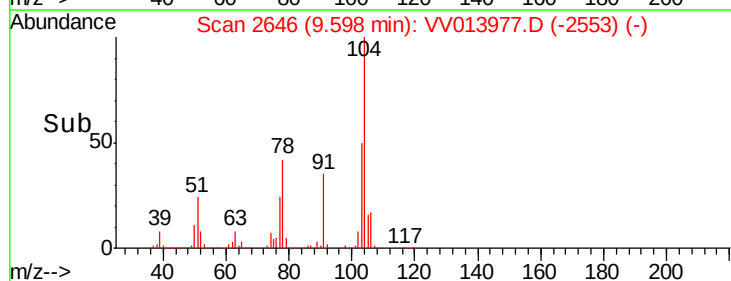
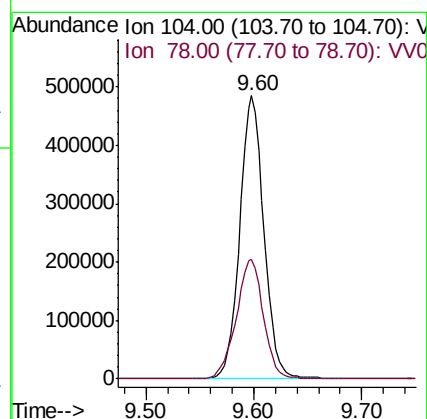
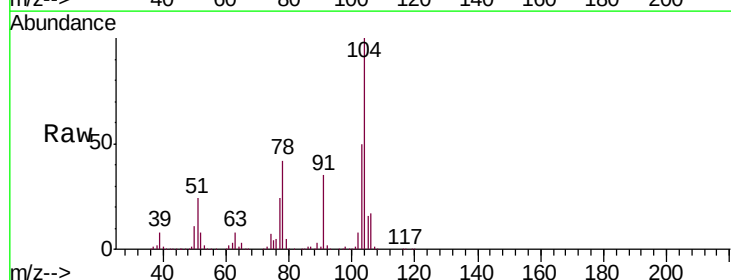
Instrument :
MSVOA_V
ClientSampleId :
VSTD05075

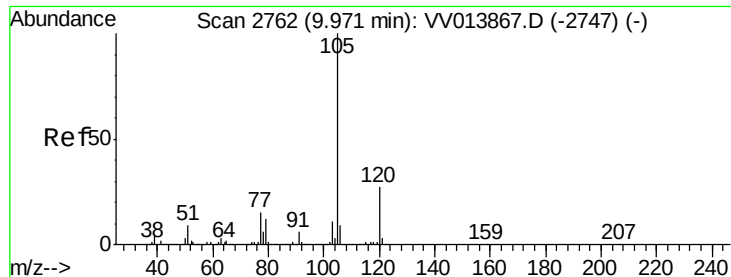
Tgt Ion:106 Resp: 436338
Ion Ratio Lower Upper
106 100
91 206.9 147.1 273.1



#55
Styrene
Concen: 52.002 ug/L
RT: 9.60 min Scan# 2646
Delta R.T. 0.00 min
Lab File: VV013977.D
Acq: 10 Dec 2019 10:15

Tgt Ion:104 Resp: 757862
Ion Ratio Lower Upper
104 100
78 42.4 29.3 54.5





#56

Isopropylbenzene

Concen: 50.499 ug/L

RT: 9.97 min Scan# 2762

Delta R.T. 0.00 min

Lab File: VV013977.D

Acq: 10 Dec 2019 10:15

Instrument :

MSVOA_V

ClientSampleId :

VSTD05075

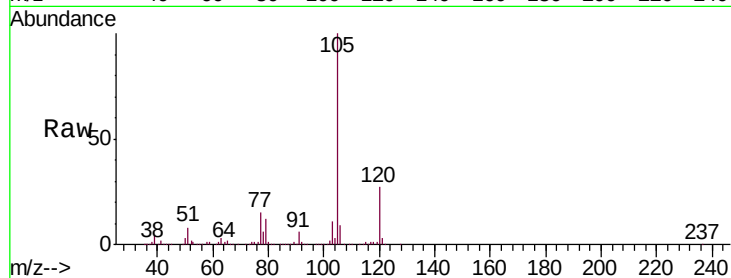
Tgt Ion: 105 Resp: 1146577

Ion Ratio Lower Upper

105 100

120 26.9 21.4 32.2

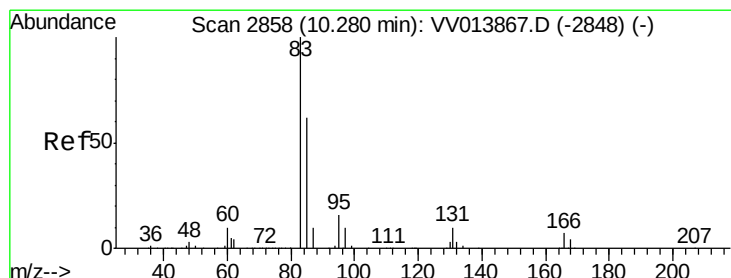
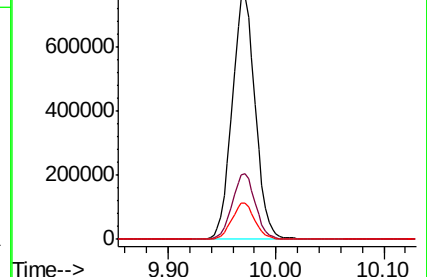
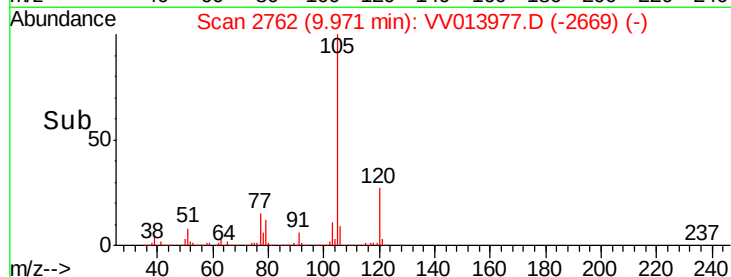
77 14.6 12.0 18.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 47.094 ug/L

RT: 10.28 min Scan# 2858

Delta R.T. 0.00 min

Lab File: VV013977.D

Acq: 10 Dec 2019 10:15

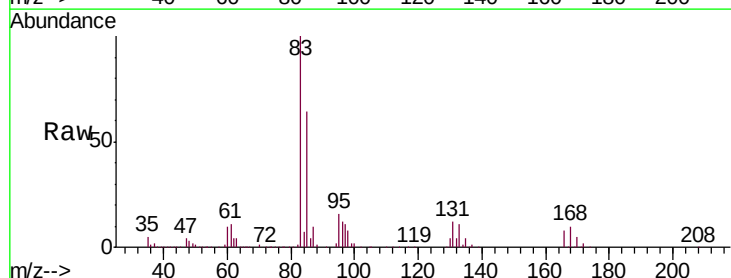
Tgt Ion: 83 Resp: 361761

Ion Ratio Lower Upper

83 100

85 64.5 44.1 81.9

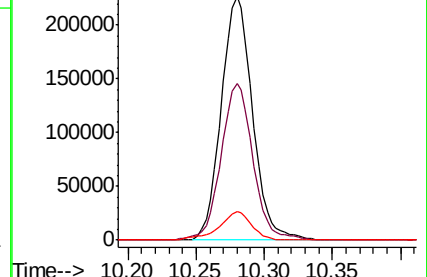
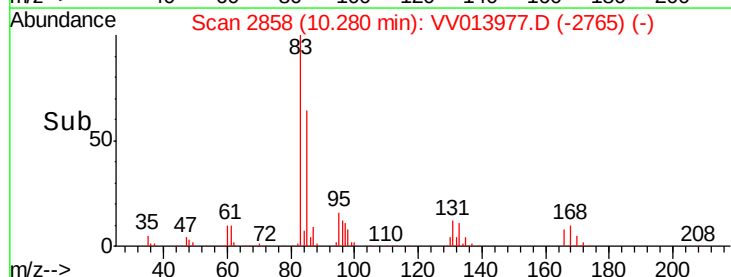
131 11.7 8.8 13.2

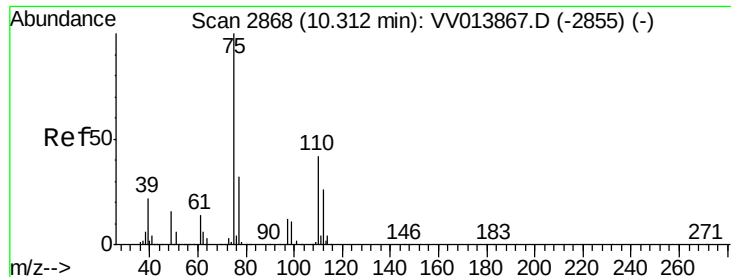


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 48.175 ug/L

RT: 10.31 min Scan# 2868

Delta R.T. 0.00 min

Lab File: VV013977.D

Acq: 10 Dec 2019 10:15

Instrument :

MSVOA_V

ClientSampleId :

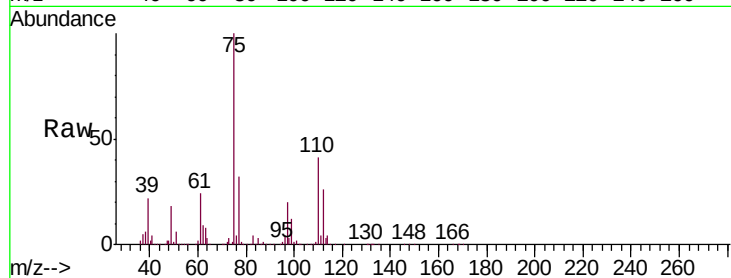
VSTD05075

Tgt Ion: 75 Resp: 309910

Ion Ratio Lower Upper

75 100

77 31.8 25.8 38.8



Abundance Ion 75.00 (74.70 to 75.70): VV013867.D (-2855) (-)

Ion 77.00 (76.70 to 77.70): VV013867.D (-2855) (-)

10.31

200000

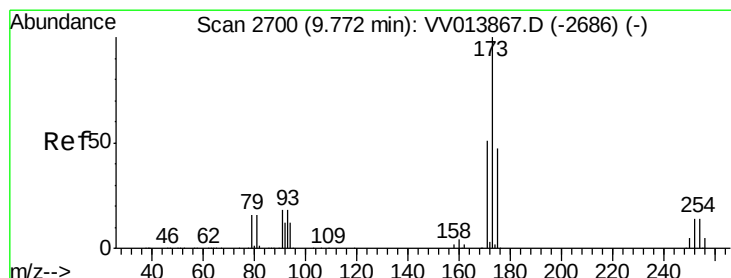
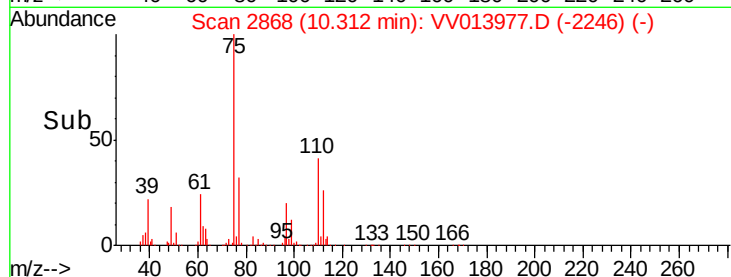
150000

100000

50000

0

Time-->



#61

Bromoform

Concen: 54.871 ug/L

RT: 9.77 min Scan# 2699

Delta R.T. 0.00 min

Lab File: VV013977.D

Acq: 10 Dec 2019 10:15

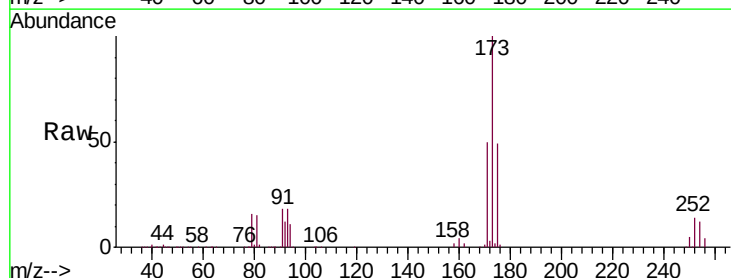
Tgt Ion: 173 Resp: 228863

Ion Ratio Lower Upper

173 100

175 48.8 38.4 57.6

254 12.9 10.5 15.7



Abundance Ion 173.00 (172.70 to 173.70): VV013867.D (-2686) (-)

Ion 175.00 (174.70 to 175.70): VV013867.D (-2686) (-)

Ion 254.00 (253.70 to 254.70): VV013867.D (-2686) (-)

9.77

200000

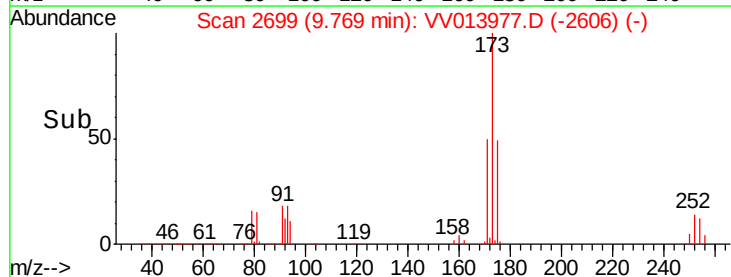
150000

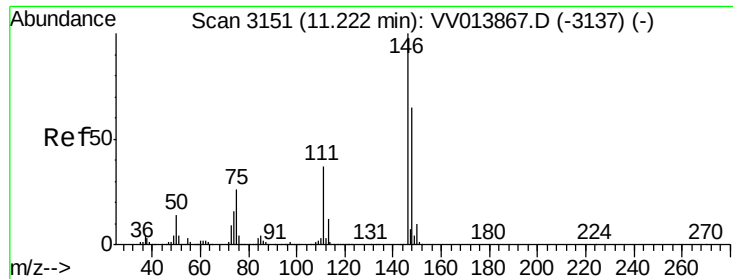
100000

50000

0

Time-->





#62

1,3-Dichlorobenzene

Concen: 51.754 ug/L

RT: 11.22 min Scan# 3150

Delta R.T. -0.00 min

Lab File: VV013977.D

Acq: 10 Dec 2019 10:15

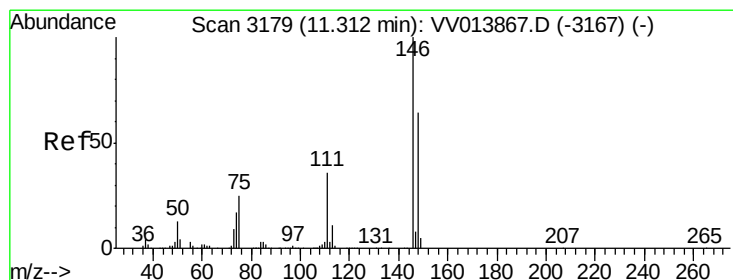
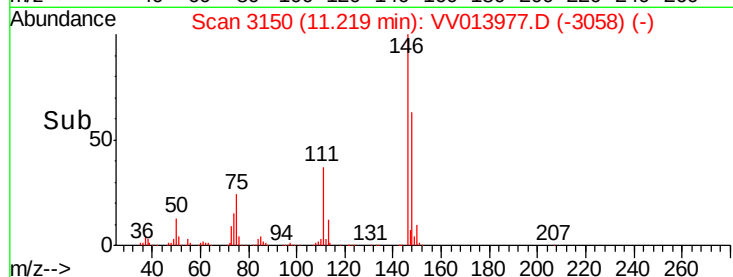
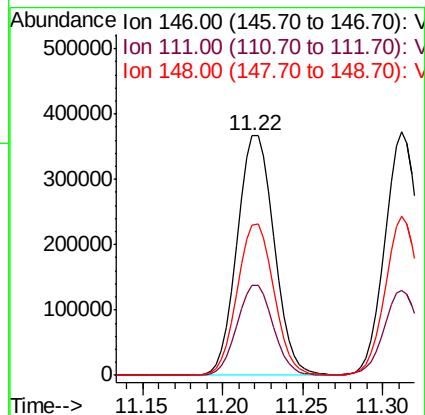
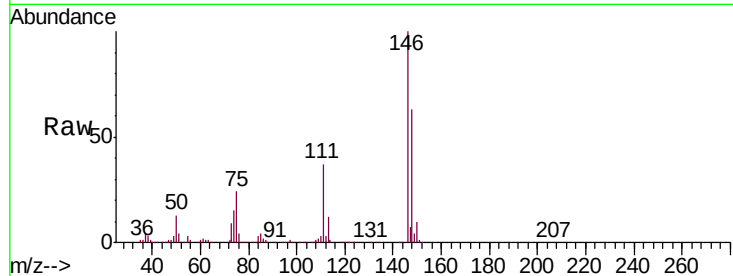
Instrument :

MSVOA_V

ClientSampleId :

VSTD05075

Tgt Ion:	146	Resp:	579013
Ion	Ratio	Lower	Upper
146	100		
111	37.5	25.8	48.0
148	63.0	45.2	84.0



#63

1,4-Dichlorobenzene

Concen: 49.391 ug/L

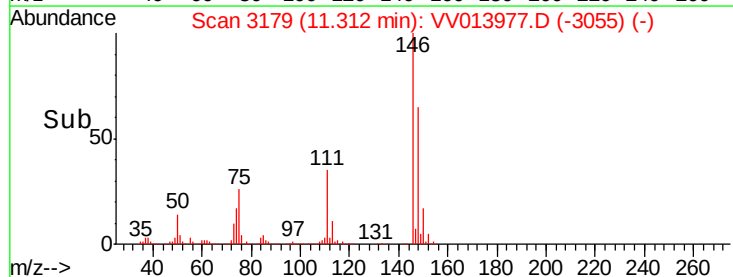
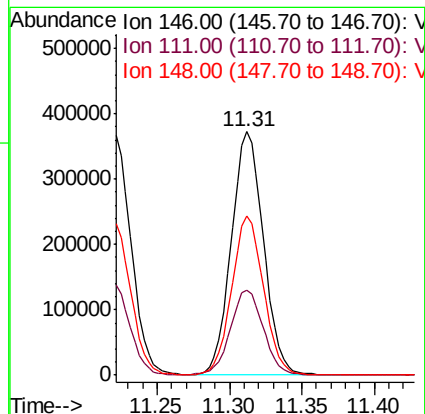
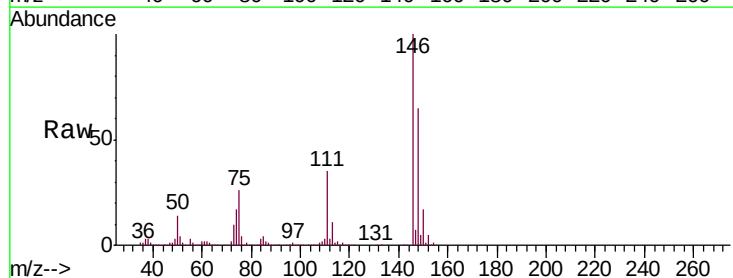
RT: 11.31 min Scan# 3179

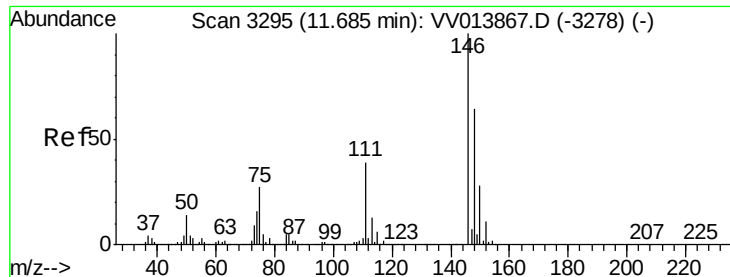
Delta R.T. 0.00 min

Lab File: VV013977.D

Acq: 10 Dec 2019 10:15

Tgt Ion:	146	Resp:	571256
Ion	Ratio	Lower	Upper
146	100		
111	35.0	25.4	47.2
148	65.4	44.9	83.5





#65

1,2-Dichlorobenzene

Concen: 51.657 ug/L

RT: 11.68 min Scan# 3295

Delta R.T. 0.00 min

Lab File: VV013977.D

Acq: 10 Dec 2019 10:15

Instrument :

MSVOA_V

ClientSampleId :

VSTD05075

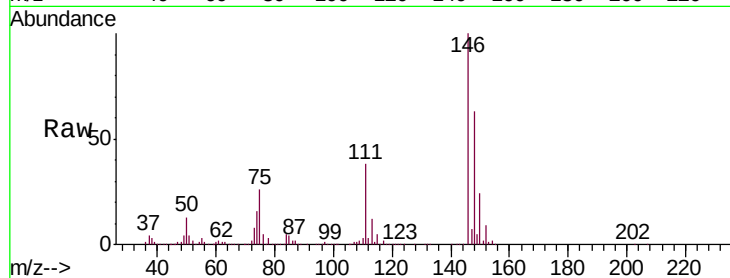
Tgt Ion:146 Resp: 578094

Ion Ratio Lower Upper

146 100

111 38.4 31.4 47.0

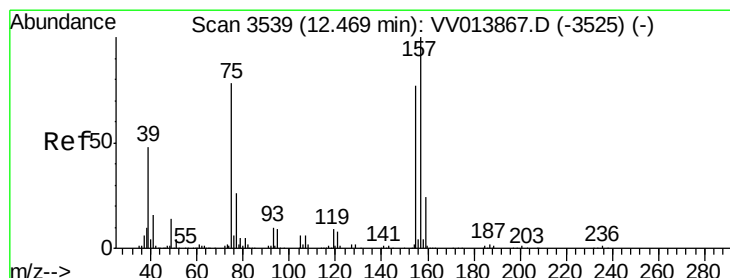
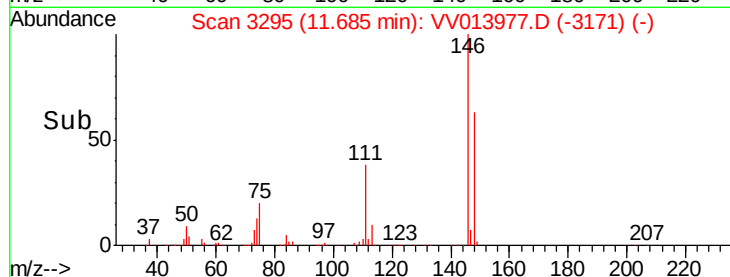
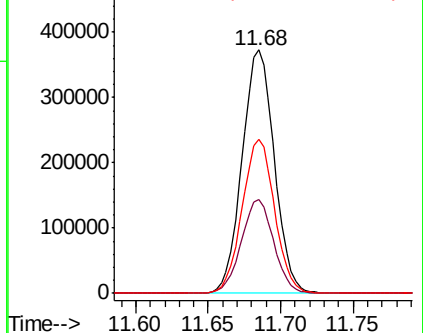
148 63.4 51.5 77.3



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: 45.866 ug/L

RT: 12.47 min Scan# 3539

Delta R.T. 0.00 min

Lab File: VV013977.D

Acq: 10 Dec 2019 10:15

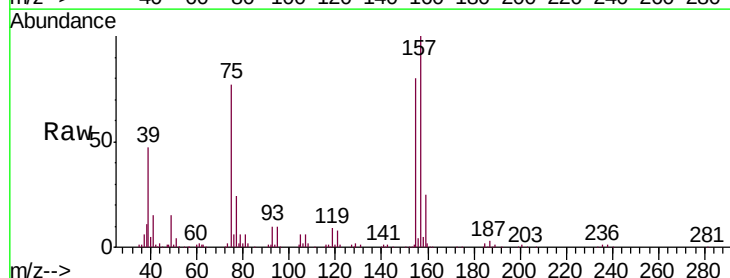
Tgt Ion: 75 Resp: 71334

Ion Ratio Lower Upper

75 100

155 103.2 78.6 117.8

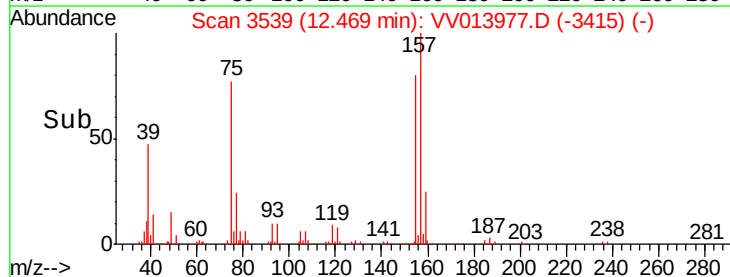
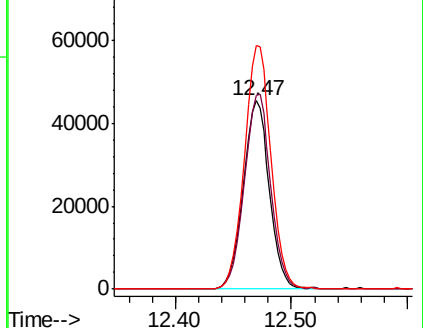
157 129.3 102.6 153.8

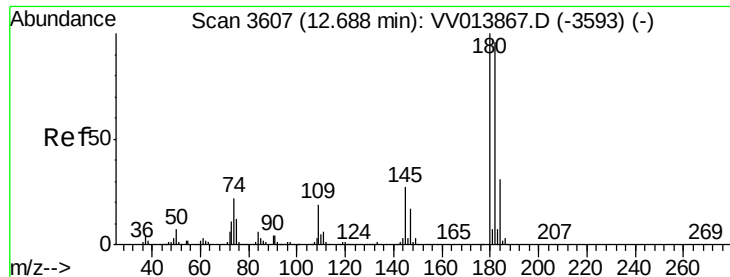


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

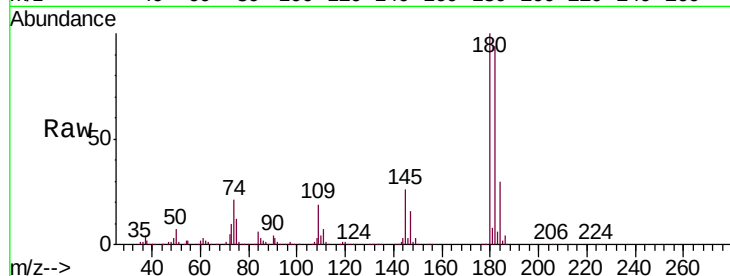




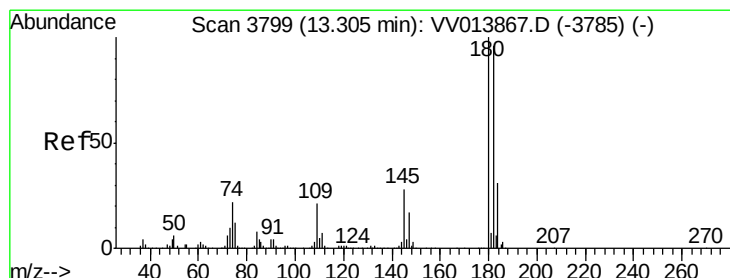
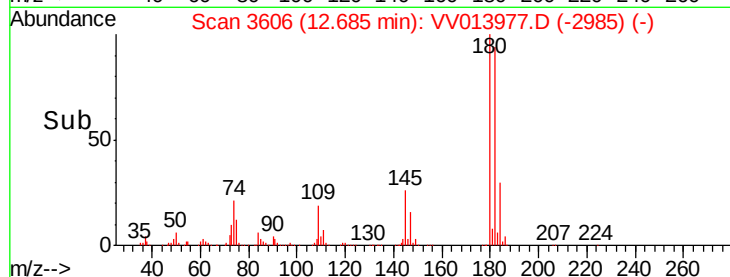
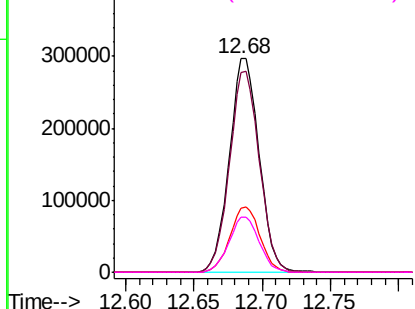
#67
 1,3,5-Trichlorobenzene
 Concen: 49.515 ug/L
 RT: 12.68 min Scan# 3606
 Delta R.T. -0.00 min
 Lab File: VV013977.D
 Acq: 10 Dec 2019 10:15

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05075

Tgt Ion:	180	Resp:	449863
Ion	Ratio	Lower	Upper
180	100		
182	94.5	76.2	114.4
184	30.8	24.2	36.4
145	26.4	21.1	31.7

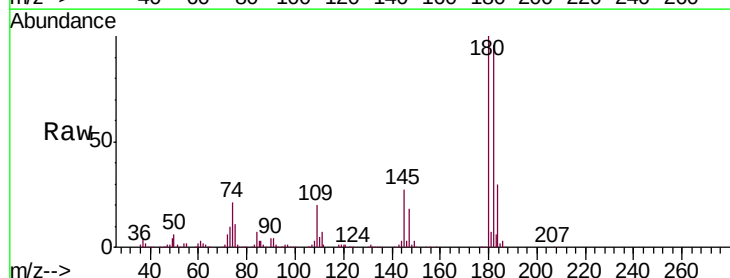


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

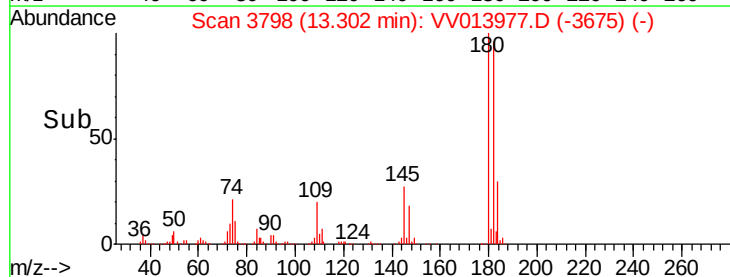
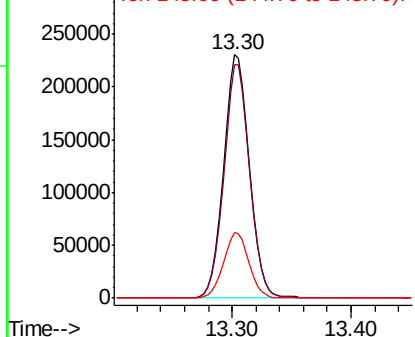


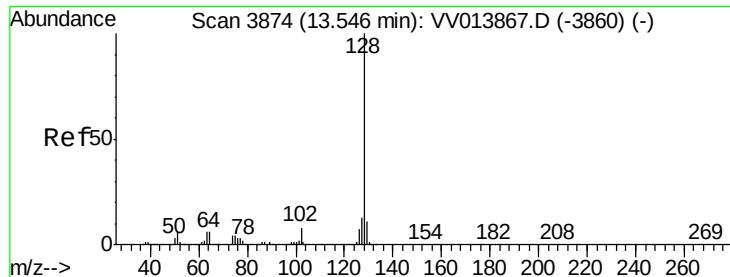
#68
 1,2,4-trichlorobenzene
 Concen: 42.114 ug/L
 RT: 13.30 min Scan# 3798
 Delta R.T. -0.00 min
 Lab File: VV013977.D
 Acq: 10 Dec 2019 10:15

Tgt Ion:	180	Resp:	345238
Ion	Ratio	Lower	Upper
180	100		
182	95.4	76.2	114.4
145	26.6	21.9	32.9



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





#69

Naphthalene

Concen: 31.964 ug/L

RT: 13.55 min Scan# 3874

Delta R.T. 0.00 min

Lab File: VV013977.D

Acq: 10 Dec 2019 10:15

Instrument :

MSVOA_V

ClientSampleId :

VSTD05075

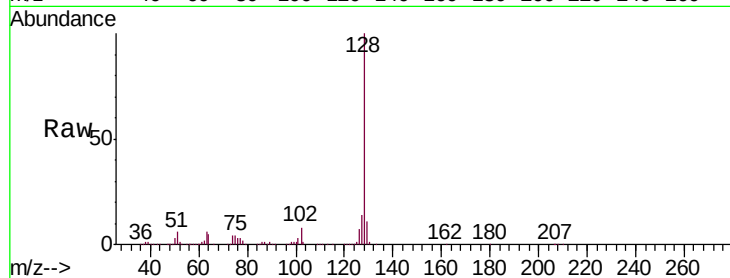
Tgt Ion:128 Resp: 688014

Ion Ratio Lower Upper

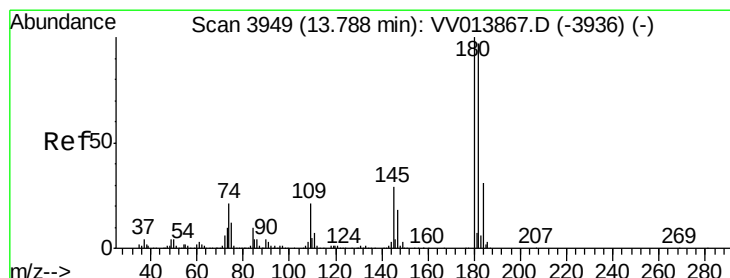
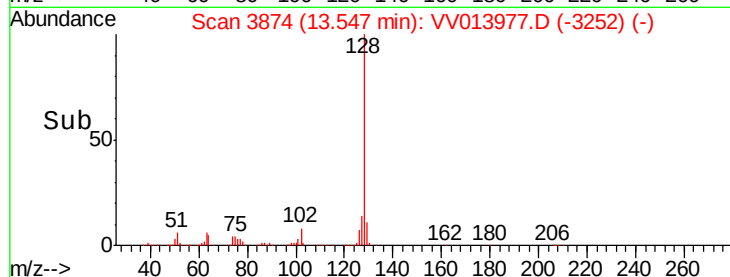
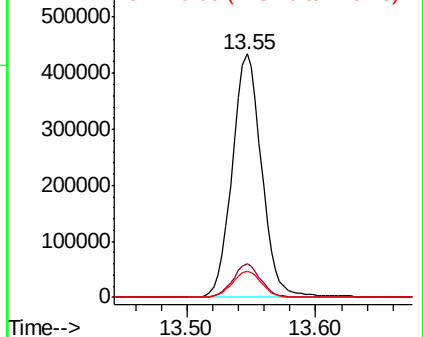
128 100

127 13.1 10.5 15.7

129 10.9 8.6 12.8



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: 44.018 ug/L

RT: 13.79 min Scan# 3949

Delta R.T. 0.00 min

Lab File: VV013977.D

Acq: 10 Dec 2019 10:15

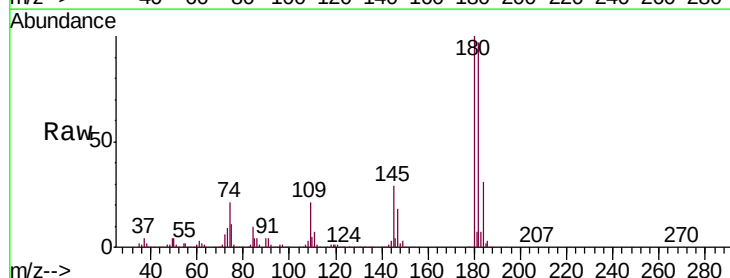
Tgt Ion:180 Resp: 377363

Ion Ratio Lower Upper

180 100

182 94.9 77.0 115.4

145 28.6 22.6 34.0



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

