

Data File : VV012131.D
Acq On : 08 Aug 2019 18:07
Operator : SY/MD
Sample : VSTD0.534
Misc : 25mL/MSVOA_V/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD0.534

Quant Time: Aug 09 06:08:47 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR080819WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Aug 09 06:06:18 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	114628	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	103875	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	54874	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	2179	0.41	ug/L	0.00
7) Chloroethane-d5	1.58	69	1839	0.45	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	5008	0.46	ug/L	0.00
20) 2-Butanone-d5	3.95	46	4815	3.31	ug/L	0.00
24) Chloroform-d	4.40	84	6683	0.46	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	3348	0.42	ug/L	0.00
32) Benzene-d6	5.10	84	12136	0.46	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	3245	0.45	ug/L	0.00
41) Toluene-d8	7.36	98	12569	0.50	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.67	79	1692	0.52	ug/L	0.00
46) 2-Hexanone-d5	8.14	63	4406	3.94	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.26	84	2562	0.47	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.67	152	4807	0.47	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	5012	0.407 ug/L	99
3) Chloromethane	1.25	50	2417	0.417 ug/L	98
5) Vinyl chloride	1.32	62	2572	0.400 ug/L #	81
6) Bromomethane	1.53	94	1510	0.387 ug/L	91
8) Chloroethane	1.60	64	1614	0.460 ug/L #	75
9) Trichlorofluoromethane	1.77	101	5328	0.430 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	2440	0.458 ug/L	93
12) 1,1-Dichloroethene	2.14	96	2047	0.418 ug/L	92
13) Acetone	2.20	43	4418	5.995 ug/L	96
14) Carbon disulfide	2.32	76	5991	0.444 ug/L	99
15) Methyl Acetate	2.46	43	1023	0.609 ug/L #	60
16) Methylene chloride	2.53	84	2955	0.584 ug/L	91
17) Methyl tert-butyl Ether	2.81	73	6731	0.411 ug/L	97
18) trans-1,2-Dichloroethene	2.79	96	3288	0.449 ug/L	98
19) 1,1-Dichloroethane	3.23	63	5390	0.423 ug/L	96
21) 2-Butanone	4.04	43	5148	3.536 ug/L	85
22) cis-1,2-Dichloroethene	3.96	96	1751	0.221 ug/L	95
23) Bromochloromethane	4.31	128	1725	0.483 ug/L #	79
25) Chloroform	4.42	83	8000	0.483 ug/L	99
27) 1,2-Dichloroethane	5.18	62	3915	0.422 ug/L #	93
29) 1,1,1-Trichloroethane	4.66	97	5837	0.436 ug/L	99
30) Cyclohexane	4.72	56	4155	0.414 ug/L	98
31) Carbon tetrachloride	4.87	117	5927	0.489 ug/L	96
33) Benzene	5.15	78	11620	0.431 ug/L	100
34) Trichloroethene	5.96	95	3522	0.450 ug/L	93
35) Methylcyclohexane	6.17	83	5959	0.502 ug/L	96
37) 1,2-Dichloropropane	6.22	63	2669	0.430 ug/L #	87
38) Bromodichloromethane	6.55	83	4557	0.487 ug/L	96
39) cis-1,3-Dichloropropene	7.07	75	4772	0.487 ug/L	93
40) 4-Methyl-2-pentanone	7.27	43	13193	3.881 ug/L	99

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Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Aug 09 06:06:18 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.43	91	14272	0.480	ug/L	92
44) trans-1,3-Dichloropropene	7.69	75	3252	0.405	ug/L	99
45) 1,1,2-Trichloroethane	7.88	97	2007	0.425	ug/L	89
47) Tetrachloroethene	8.02	164	3551	0.489	ug/L	93
48) 2-Hexanone	8.18	43	8623	3.625	ug/L	92
49) Dibromochloromethane	8.29	129	3121	0.493	ug/L	97
50) 1,2-Dibromoethane	8.40	107	2076	0.450	ug/L #	94
51) Chlorobenzene	8.92	112	9846	0.486	ug/L	91
52) Ethylbenzene	9.05	91	15410	0.450	ug/L	99
53) m,p-xylene	9.18	106	6131	0.465	ug/L	91
54) o-xylene	9.59	106	5957	0.470	ug/L	93
55) Styrene	9.60	104	9334	0.436	ug/L	99
56) Isopropylbenzene	9.97	105	16741	0.477	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.28	83	2255	0.430	ug/L #	95
59) 1,2,3-Trichloropropane	10.32	75	1831	0.464	ug/L	99
61) Bromoform	9.78	173	1955	0.565	ug/L #	93
62) 1,3-Dichlorobenzene	11.23	146	8605	0.512	ug/L	95
63) 1,4-Dichlorobenzene	11.32	146	8605	0.503	ug/L	94
65) 1,2-Dichlorobenzene	11.69	146	7603	0.498	ug/L	96
66) 1,2-Dibromo-3-chloropropan	12.47	75	546	0.647	ug/L #	79
67) 1,3,5-Trichlorobenzene	12.69	180	7168	0.516	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	5499	0.484	ug/L	95
69) Naphthalene	13.55	128	8647	0.544	ug/L	98
70) 1,2,3-Trichlorobenzene	13.79	180	5559	0.547	ug/L	95

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

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ALS Vial      : 4      Sample Multiplier: 1
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Instrument :
MSVOA_V
ClientSampleId :
VSTD0.534

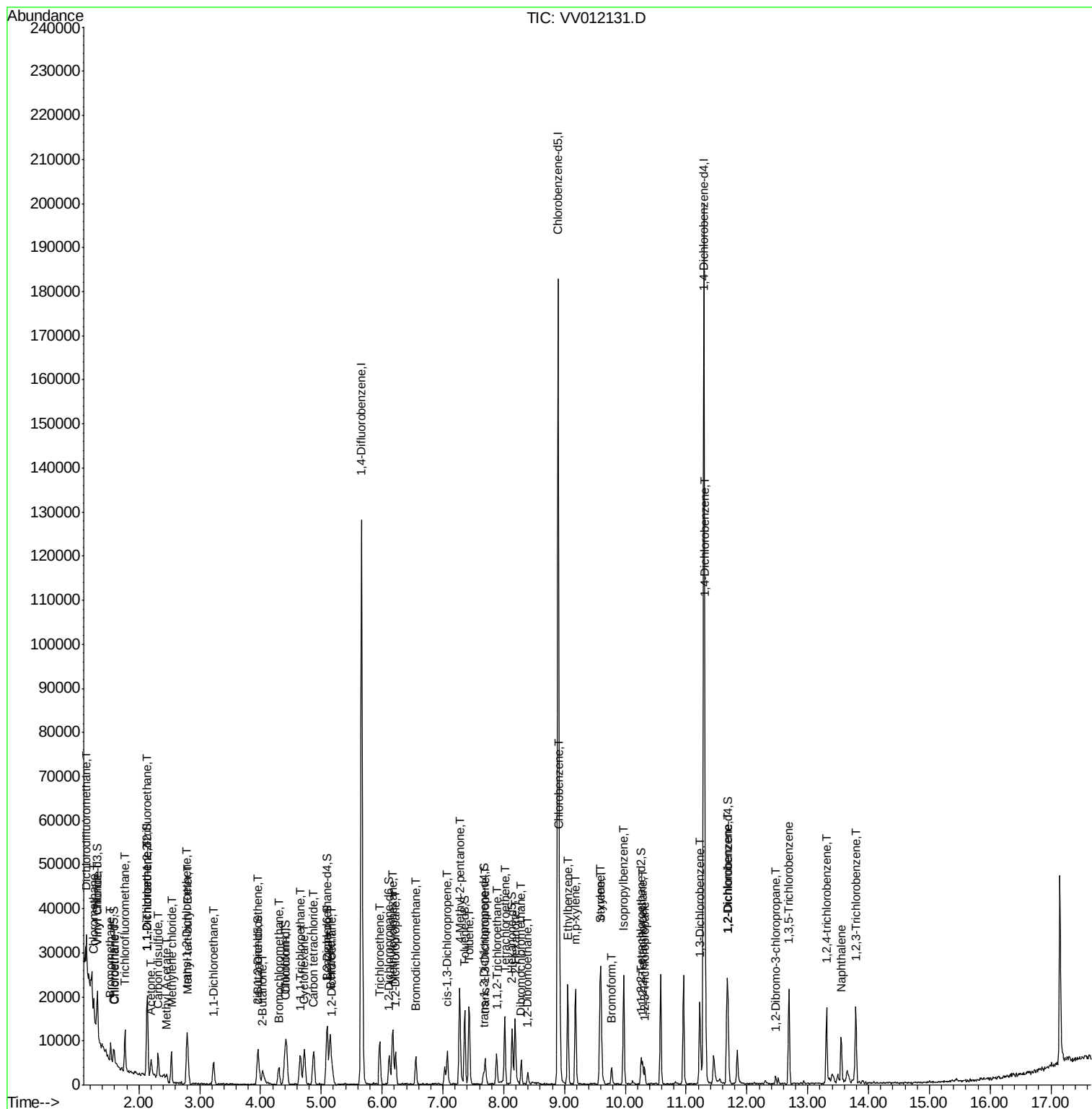
Quant Time: Aug 09 06:08:47 2019

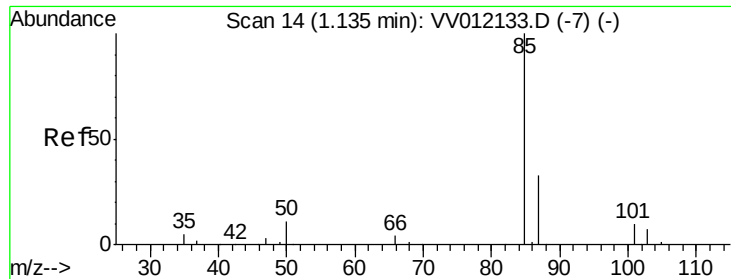
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_V\METHOD\S0MVTR080819WMA.M

Quant Title : TRACE VOA SOM01.0

QLast Update : Fri Aug 09 06:06:18 2019

Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 0.407 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV012131.D

Acq: 08 Aug 2019 18:07

Instrument :

MSVOA_V

ClientSampleId :

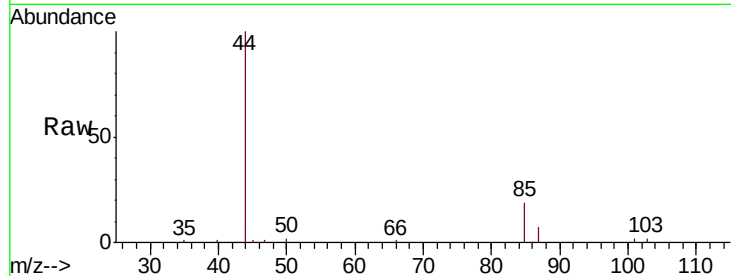
VSTD0.534

Tgt Ion: 85 Resp: 5012

Ion Ratio Lower Upper

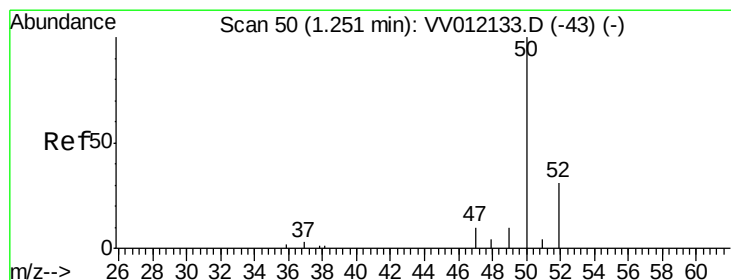
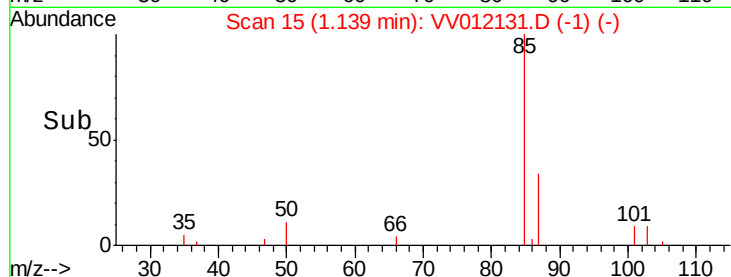
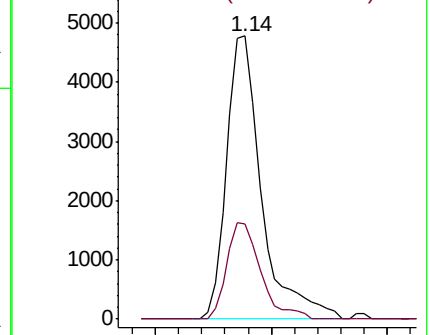
85 100

87 33.1 26.2 39.2



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 0.417 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV012131.D

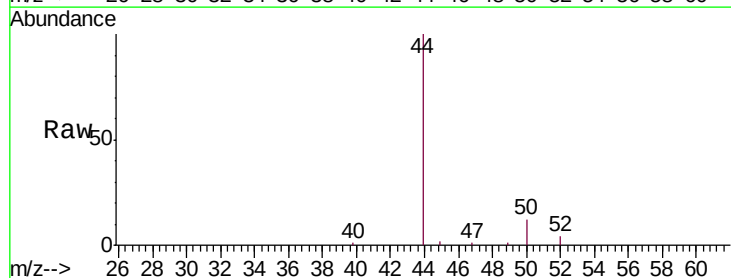
Acq: 08 Aug 2019 18:07

Tgt Ion: 50 Resp: 2417

Ion Ratio Lower Upper

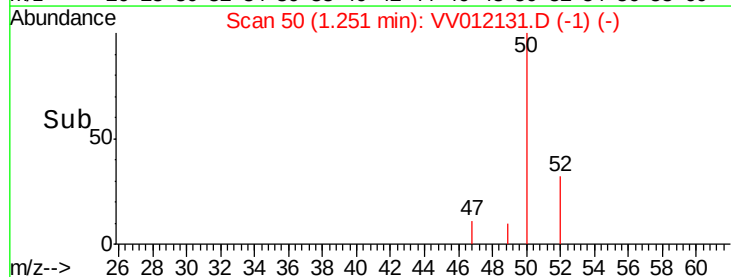
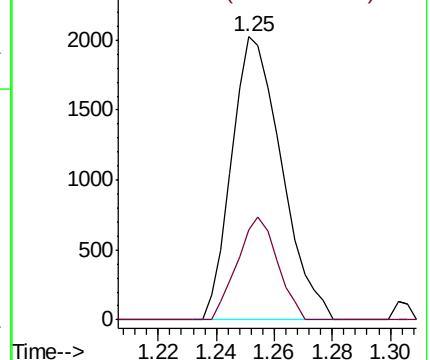
50 100

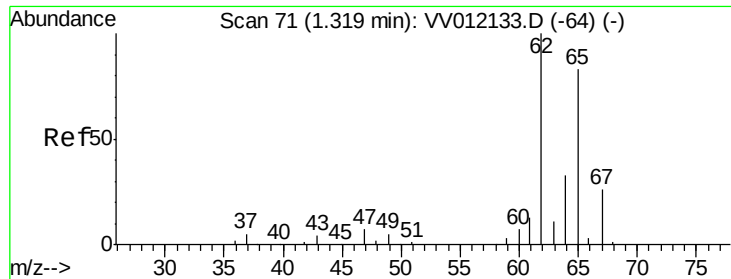
52 31.9 21.6 40.0



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0





#5

Vinyl chloride

Concen: 0.400 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV012131.D

Acq: 08 Aug 2019 18:07

Instrument :

MSVOA_V

ClientSampled :

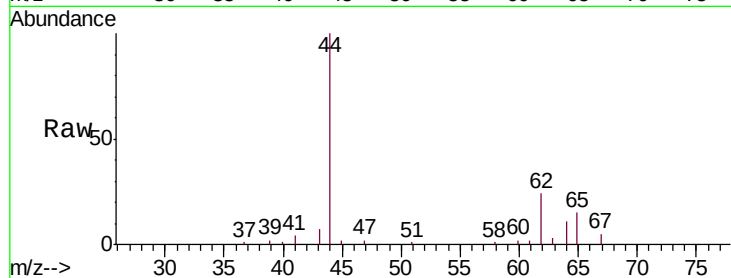
VSTD0.534

Tgt Ion: 62 Resp: 2572

Ion Ratio Lower Upper

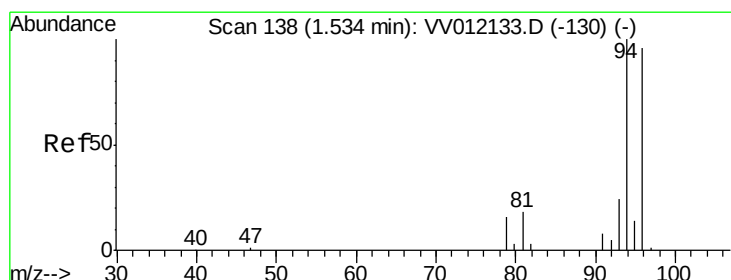
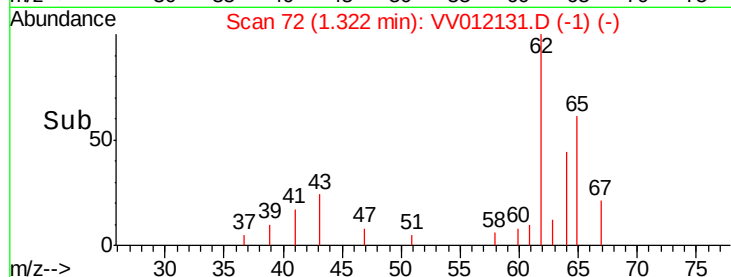
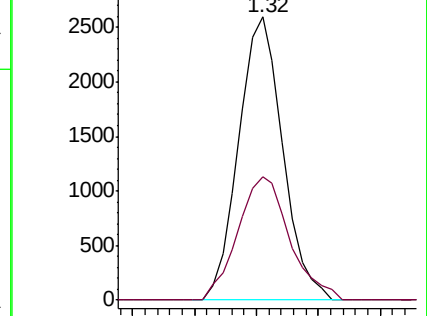
62 100

64 43.7 23.2 43.0#



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0



#6

Bromomethane

Concen: 0.387 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV012131.D

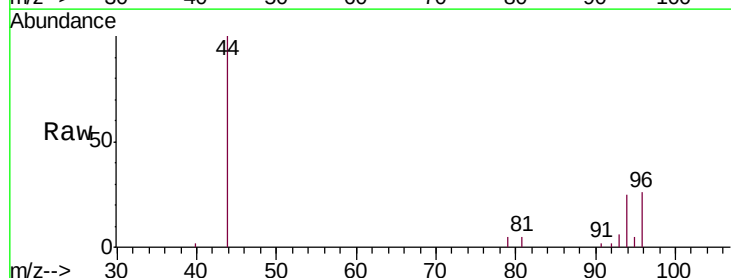
Acq: 08 Aug 2019 18:07

Tgt Ion: 94 Resp: 1510

Ion Ratio Lower Upper

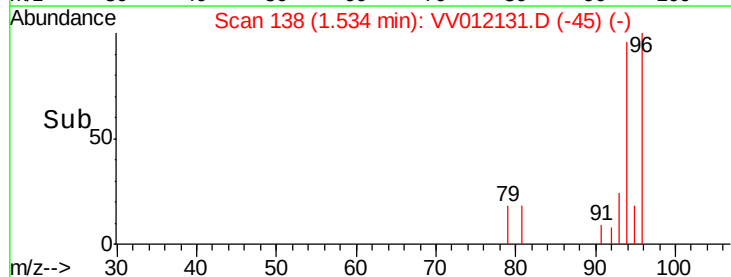
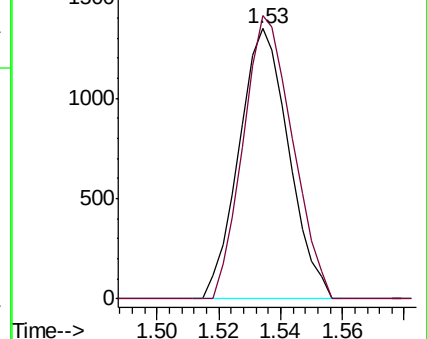
94 100

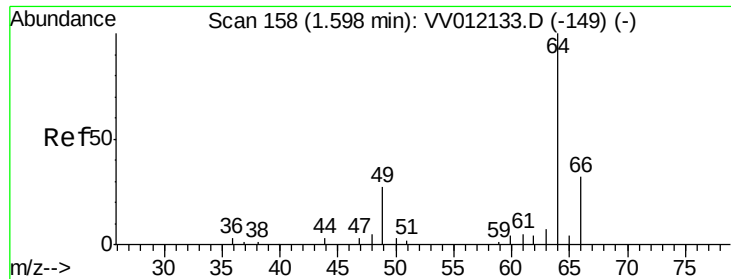
96 104.7 67.4 125.2



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 0.460 ug/L

RT: 1.60 min Scan# 158

Delta R.T. 0.00 min

Lab File: VV012131.D

Acq: 08 Aug 2019 18:07

Instrument :

MSVOA_V

ClientSampleId :

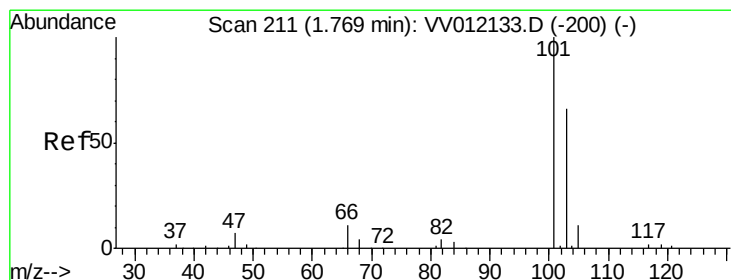
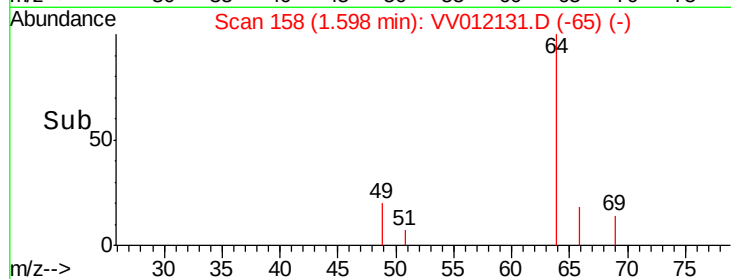
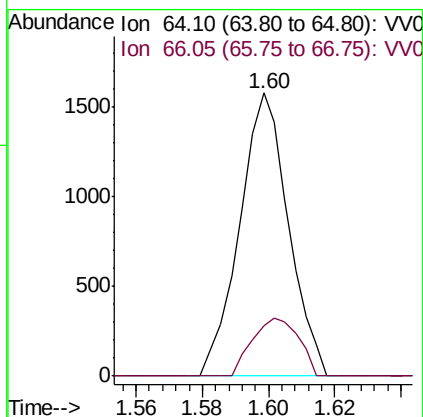
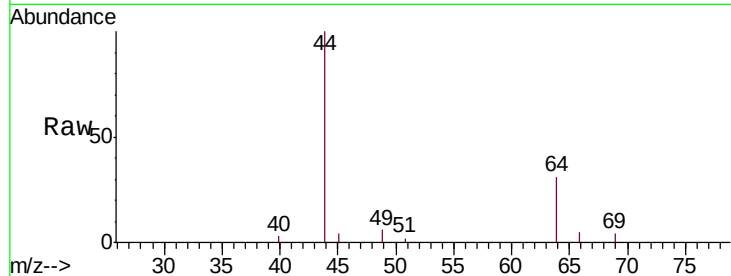
VSTD0.534

Tgt Ion: 64 Resp: 1614

Ion Ratio Lower Upper

64 100

66 17.9 22.3 41.5#



#9

Trichlorofluoromethane

Concen: 0.430 ug/L

RT: 1.77 min Scan# 211

Delta R.T. 0.00 min

Lab File: VV012131.D

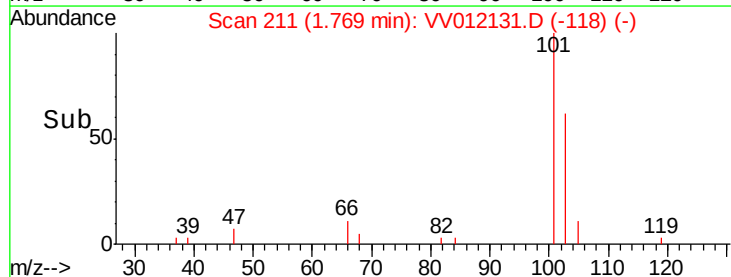
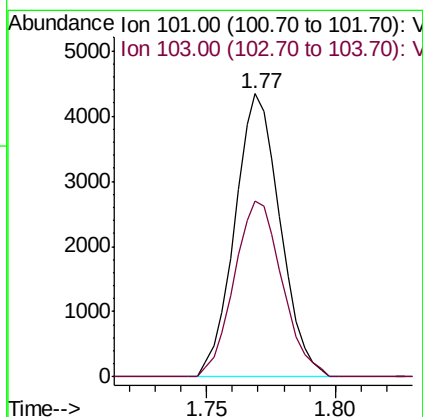
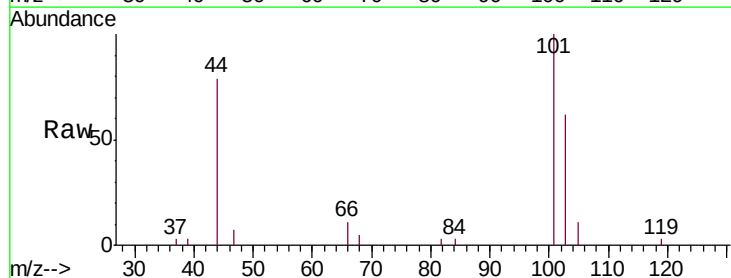
Acq: 08 Aug 2019 18:07

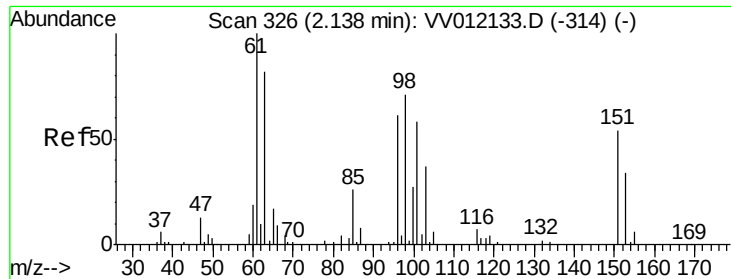
Tgt Ion: 101 Resp: 5328

Ion Ratio Lower Upper

101 100

103 65.9 53.3 79.9





#10

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

Concen: 0.458 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

Lab File: VV012131.D

Acq: 08 Aug 2019 18:07

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.534

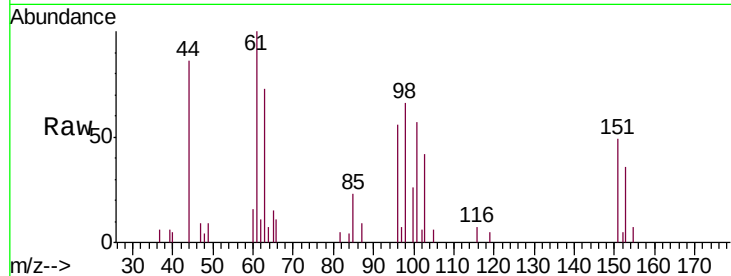
Tgt Ion:101 Resp: 2440

Ion Ratio Lower Upper

101 100

85 42.4 34.3 51.5

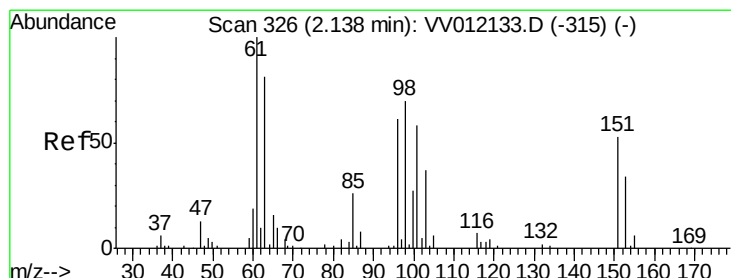
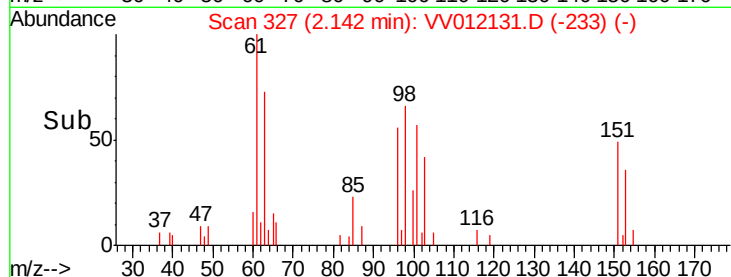
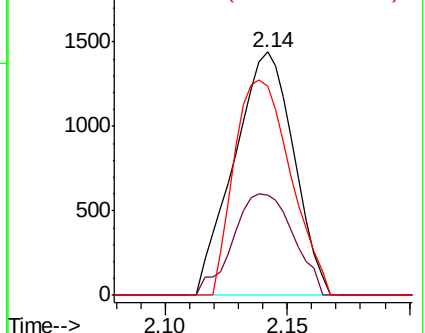
151 84.1 75.0 112.6



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: 0.418 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

Lab File: VV012131.D

Acq: 08 Aug 2019 18:07

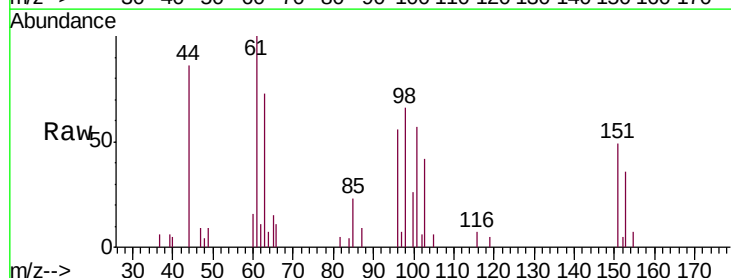
Tgt Ion: 96 Resp: 2047

Ion Ratio Lower Upper

96 100

61 179.5 114.7 213.1

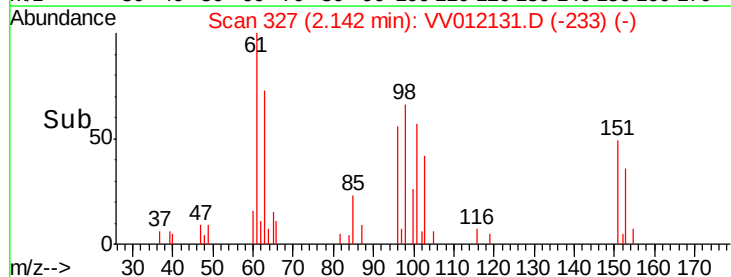
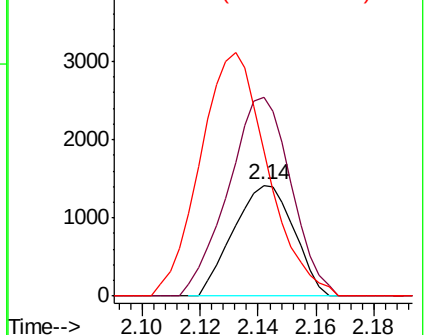
63 130.7 94.9 176.3

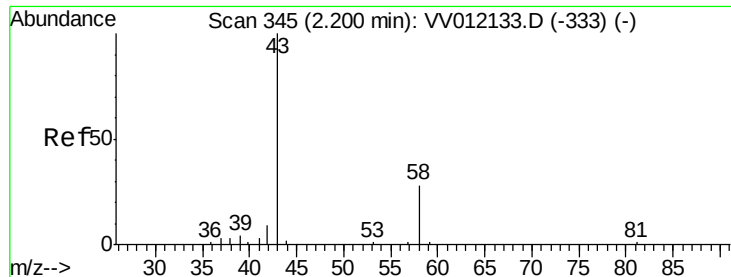


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 5.995 ug/L

RT: 2.20 min Scan# 346

Delta R.T. 0.00 min

Lab File: VV012131.D

Acq: 08 Aug 2019 18:07

Instrument :

MSVOA_V

ClientSampleId :

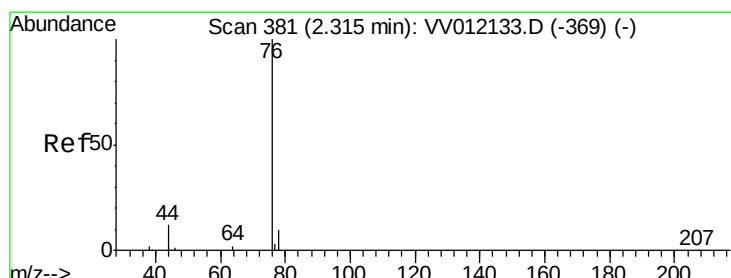
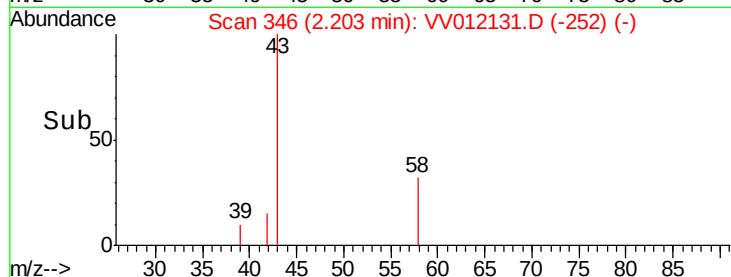
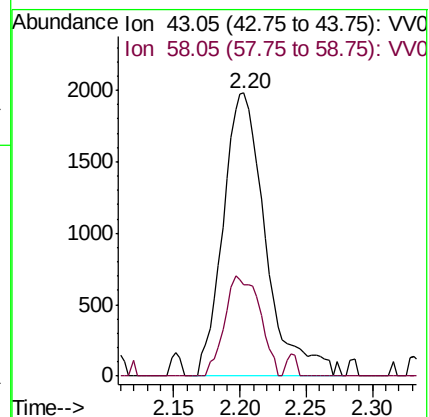
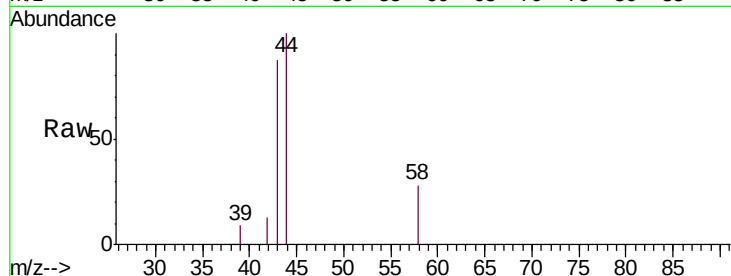
VSTD0.534

Tgt Ion: 43 Resp: 4418

Ion Ratio Lower Upper

43 100

58 29.4 0.0 54.6



#14

Carbon disulfide

Concen: 0.444 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

Lab File: VV012131.D

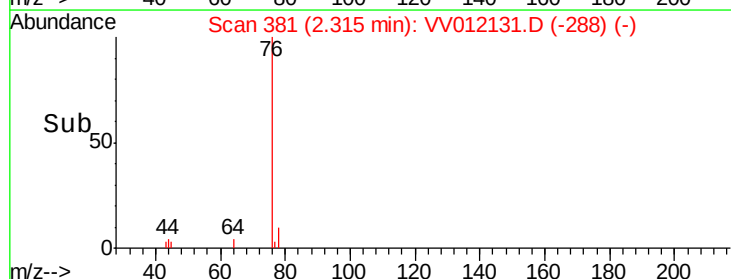
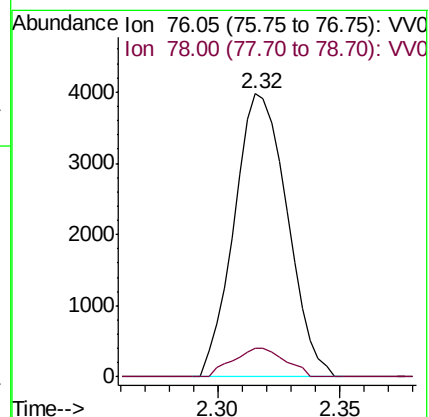
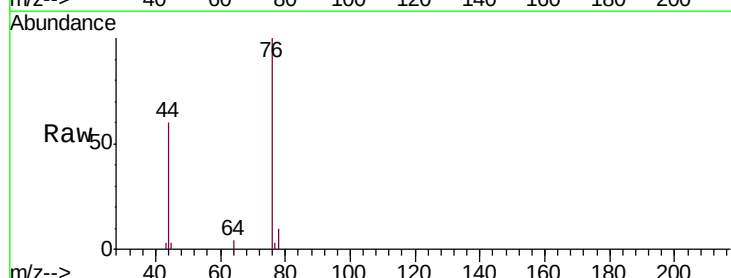
Acq: 08 Aug 2019 18:07

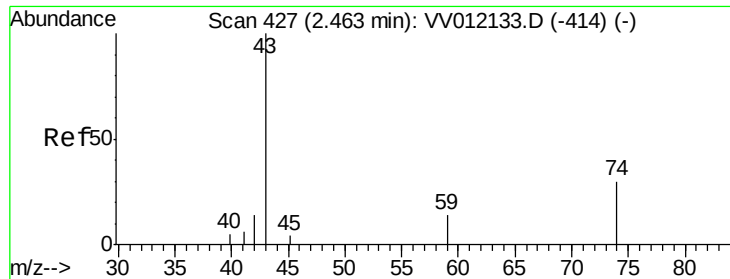
Tgt Ion: 76 Resp: 5991

Ion Ratio Lower Upper

76 100

78 10.1 7.8 11.8

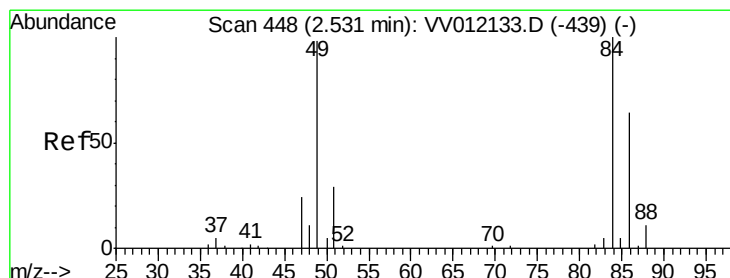
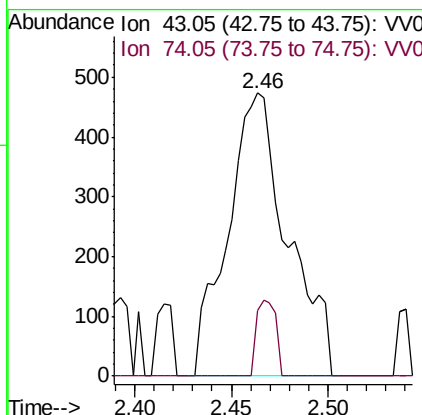
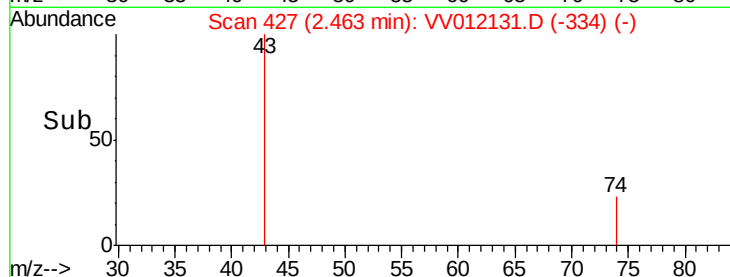
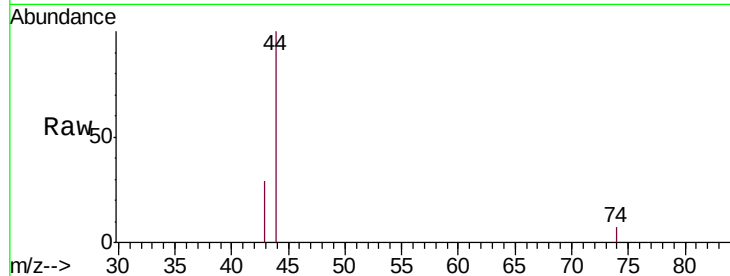




#15
Methyl Acetate
Concen: 0.609 ug/L
RT: 2.46 min Scan# 427
Delta R.T. 0.00 min
Lab File: VV012131.D
Acq: 08 Aug 2019 18:07

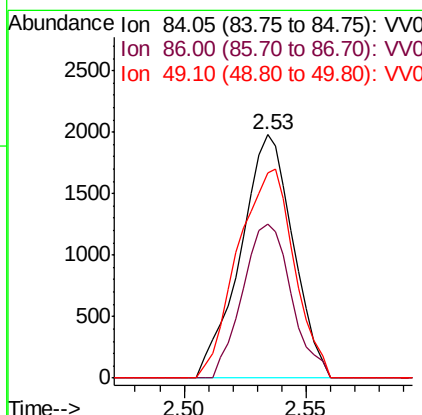
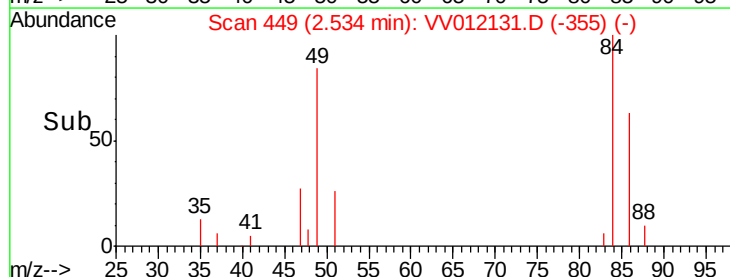
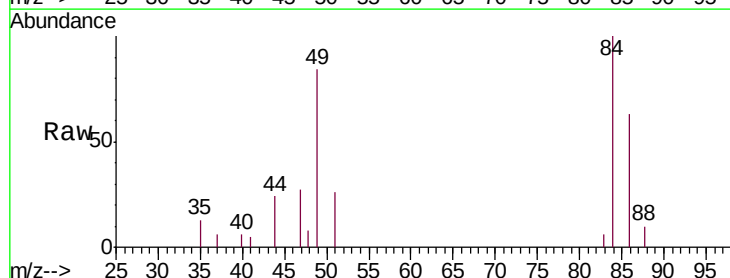
Instrument :
MSVOA_V
ClientSampled :
VSTD0.534

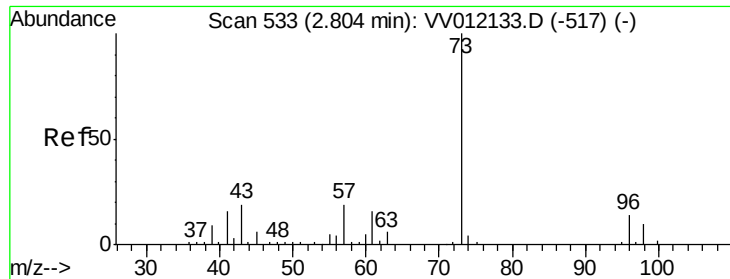
Tgt Ion: 43 Resp: 1023
Ion Ratio Lower Upper
43 100
74 8.8 24.6 36.8#



#16
Methylene chloride
Concen: 0.584 ug/L
RT: 2.53 min Scan# 449
Delta R.T. 0.00 min
Lab File: VV012131.D
Acq: 08 Aug 2019 18:07

Tgt Ion: 84 Resp: 2955
Ion Ratio Lower Upper
84 100
86 63.4 45.4 84.2
49 84.4 69.2 128.4

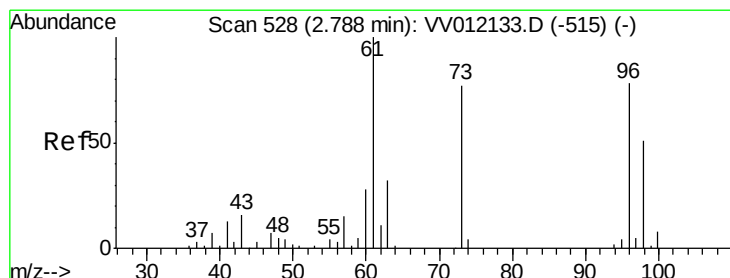
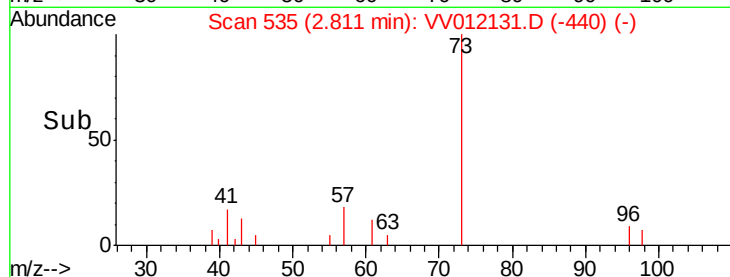
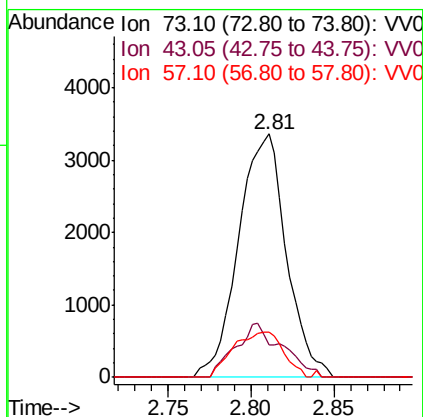
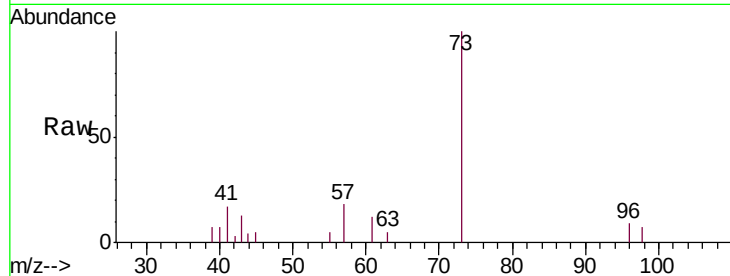




#17
Methyl tert-butyl Ether
Concen: 0.411 ug/L
RT: 2.81 min Scan# 535
Delta R.T. 0.01 min
Lab File: VV012131.D
Acq: 08 Aug 2019 18:07

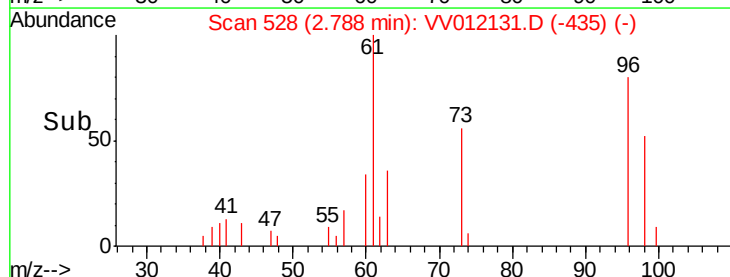
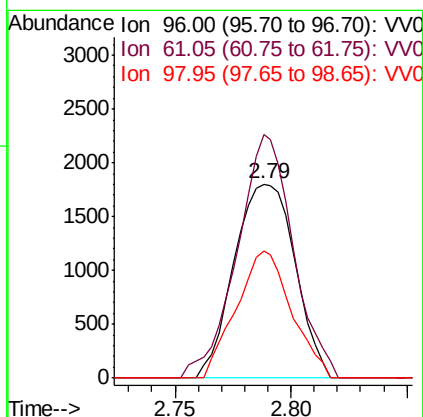
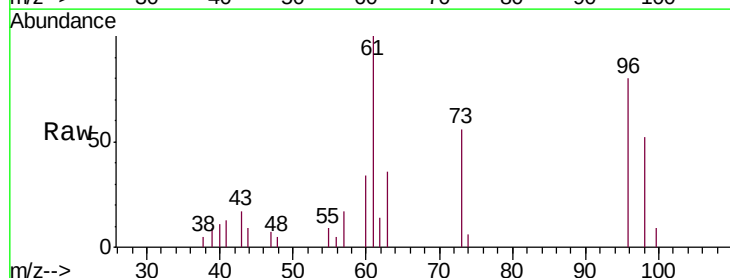
Instrument :
MSVOA_V
ClientSampleId :
VSTD0.534

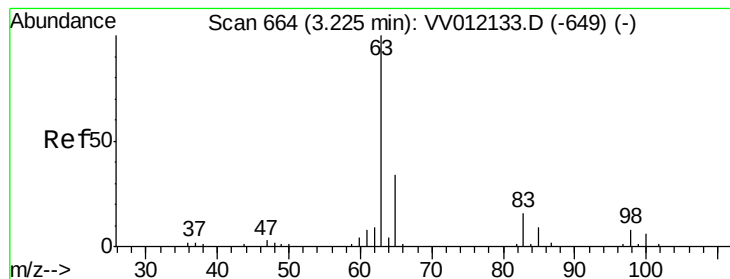
Tgt Ion: 73 Resp: 6731
Ion Ratio Lower Upper
73 100
43 21.6 15.9 23.9
57 19.4 15.0 22.4



#18
trans-1,2-Dichloroethene
Concen: 0.449 ug/L
RT: 2.79 min Scan# 528
Delta R.T. 0.00 min
Lab File: VV012131.D
Acq: 08 Aug 2019 18:07

Tgt Ion: 96 Resp: 3288
Ion Ratio Lower Upper
96 100
61 125.6 89.9 167.0
98 65.7 45.6 84.6





#19

1,1-Dichloroethane

Concen: 0.423 ug/L

RT: 3.23 min Scan# 665

Delta R.T. 0.00 min

Lab File: VV012131.D

Acq: 08 Aug 2019 18:07

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.534

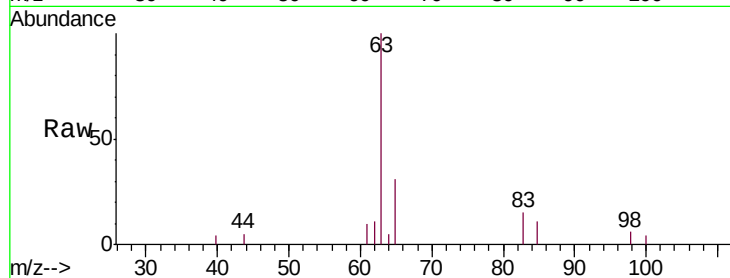
Tgt Ion: 63 Resp: 5390

Ion Ratio Lower Upper

63 100

65 30.6 23.5 43.7

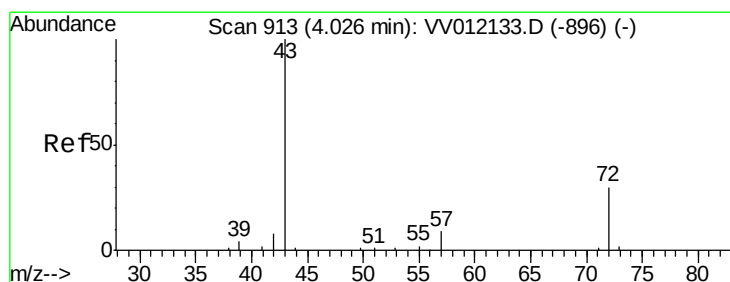
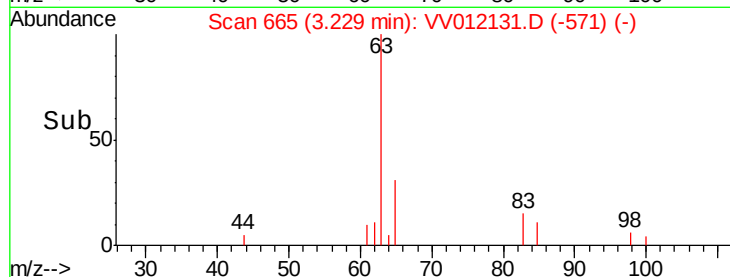
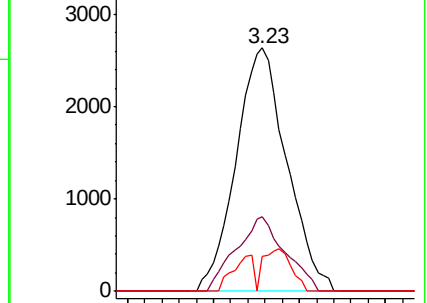
83 14.6 11.0 20.4



Abundance Ion 63.10 (62.80 to 63.80): VV0

Ion 65.10 (64.80 to 65.80): VV0

Ion 83.05 (82.75 to 83.75): VV0



#21

2-Butanone

Concen: 3.536 ug/L

RT: 4.04 min Scan# 916

Delta R.T. 0.01 min

Lab File: VV012131.D

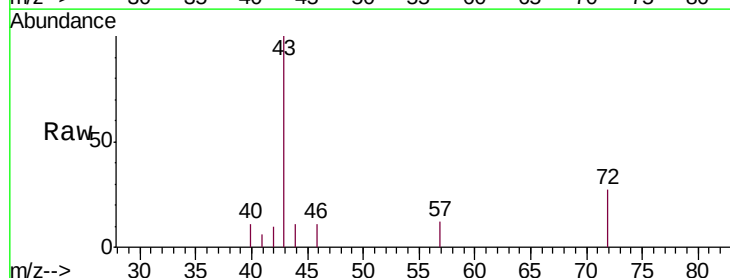
Acq: 08 Aug 2019 18:07

Tgt Ion: 43 Resp: 5148

Ion Ratio Lower Upper

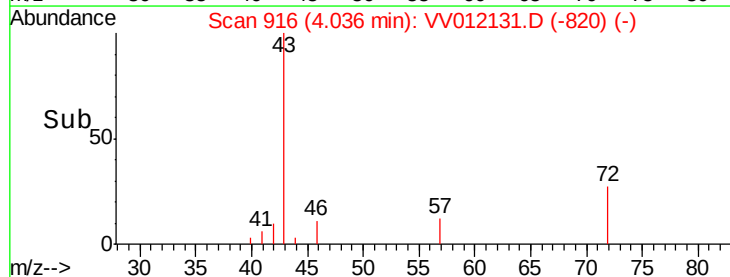
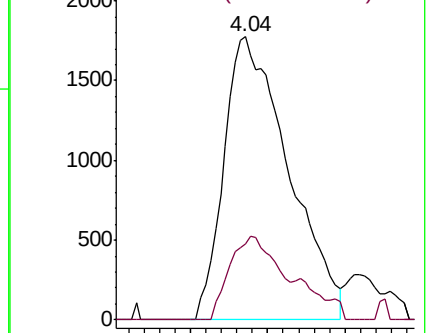
43 100

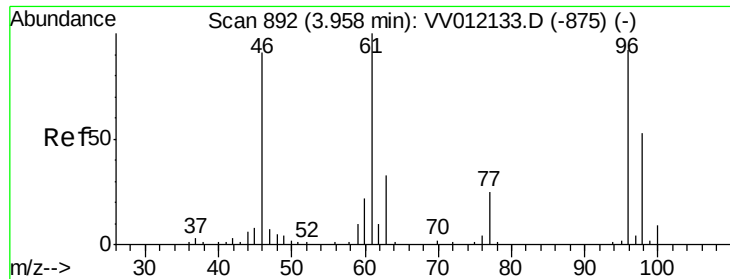
72 21.5 14.8 44.3



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 72.10 (71.80 to 72.80): VV0



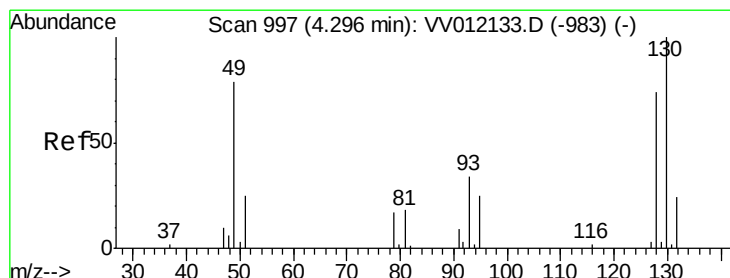
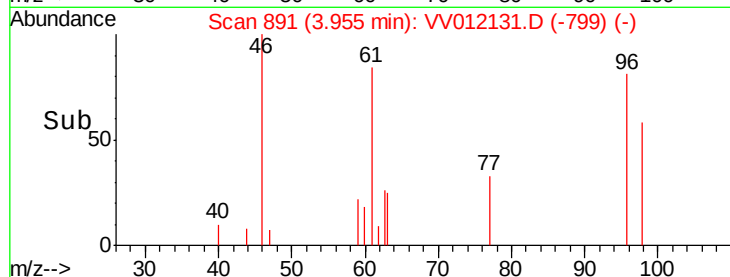
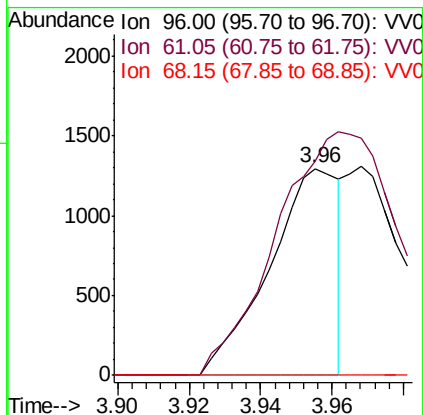
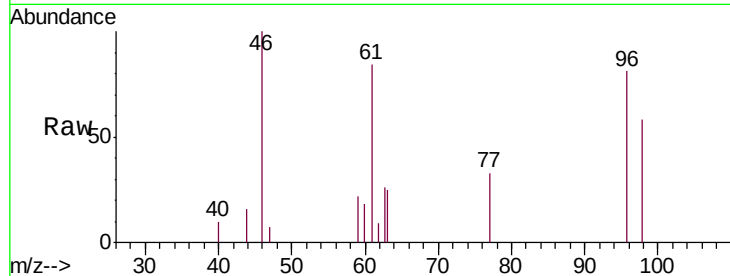


#22

cis-1,2-Dichloroethene
 Concen: 0.221 ug/L
 RT: 3.96 min Scan# 891
 Delta R.T. -0.00 min
 Lab File: VV012131.D
 Acq: 08 Aug 2019 18:07

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.534

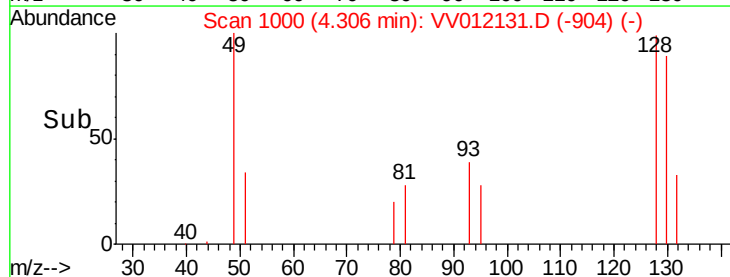
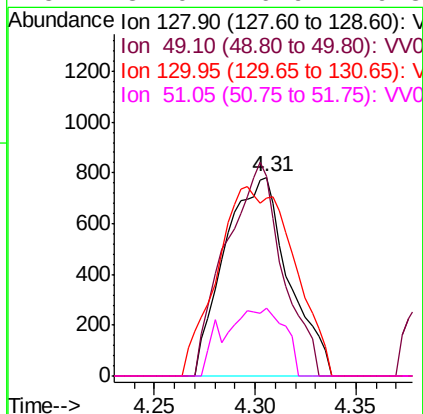
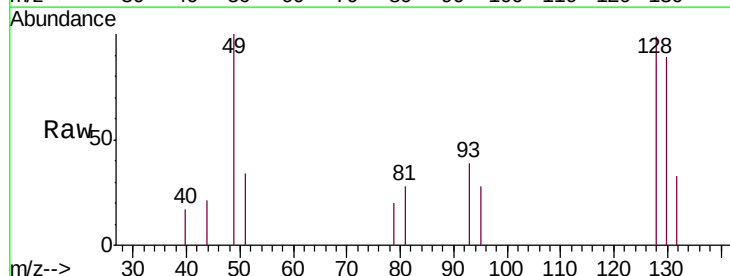
Tgt Ion: 96 Resp: 1751
 Ion Ratio Lower Upper
 96 100
 61 103.4 76.2 141.4
 68 0.0 0.0 0.0

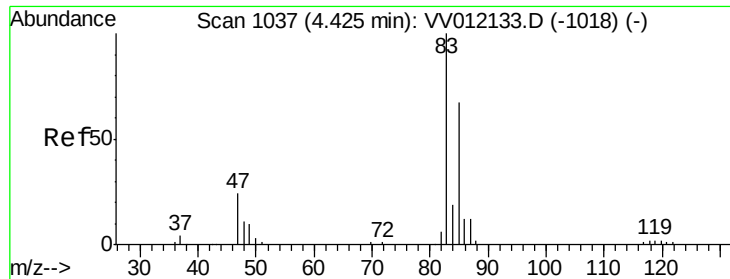


#23

Bromochloromethane
 Concen: 0.483 ug/L
 RT: 4.31 min Scan# 1000
 Delta R.T. 0.01 min
 Lab File: VV012131.D
 Acq: 08 Aug 2019 18:07

Tgt Ion: 128 Resp: 1725
 Ion Ratio Lower Upper
 128 100
 49 100.5 74.6 138.6
 130 89.7 94.0 174.6#
 51 34.0 26.9 40.3

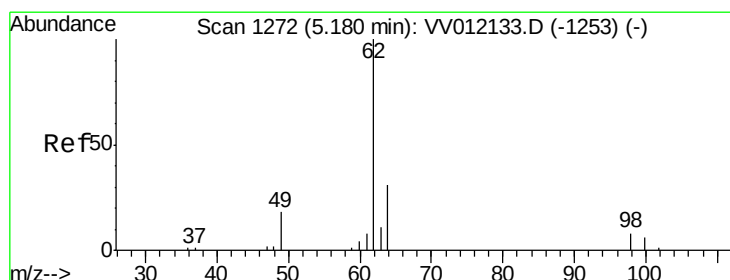
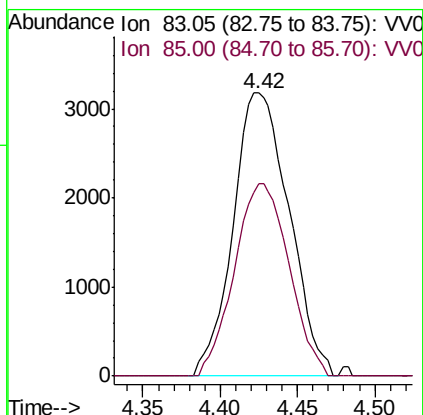
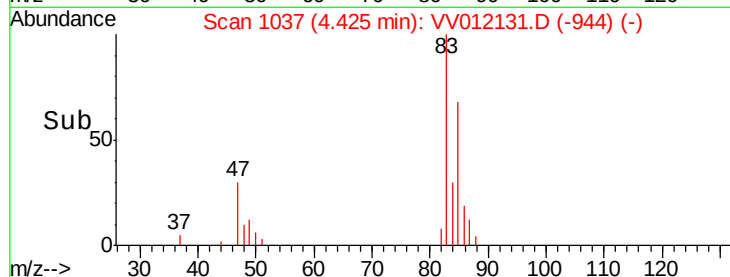
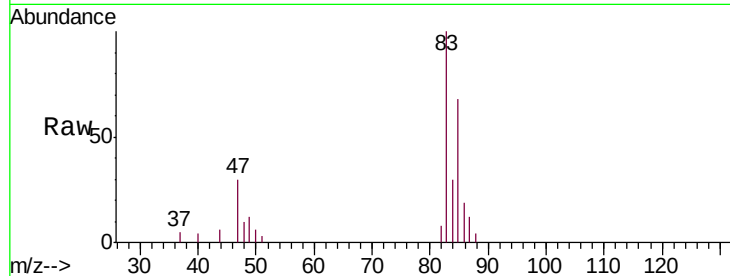




#25
 Chloroform
 Concen: 0.483 ug/L
 RT: 4.42 min Scan# 1037
 Delta R.T. 0.00 min
 Lab File: VV012131.D
 Acq: 08 Aug 2019 18:07

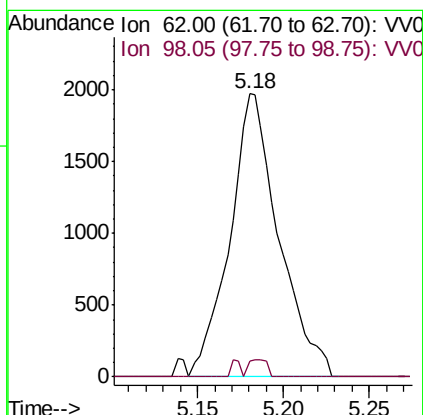
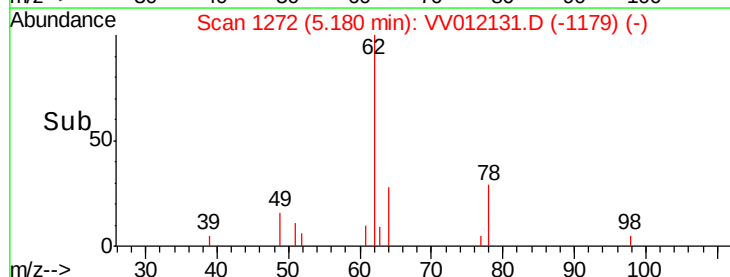
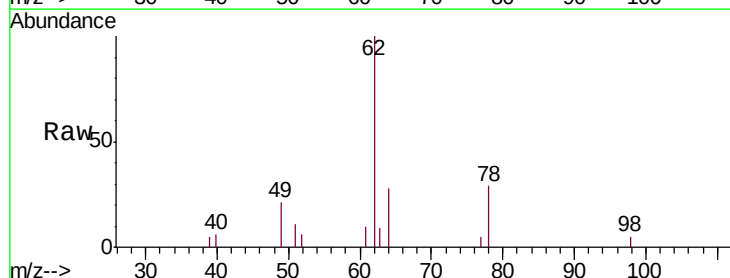
Instrument :
 MSVOA_V
 ClientSampled :
 VSTD0.534

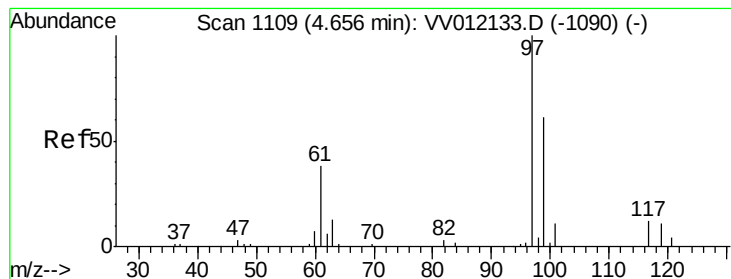
Tgt Ion: 83 Resp: 8000
 Ion Ratio Lower Upper
 83 100
 85 68.2 47.1 87.5



#27
 1,2-Dichloroethane
 Concen: 0.422 ug/L
 RT: 5.18 min Scan# 1272
 Delta R.T. 0.00 min
 Lab File: VV012131.D
 Acq: 08 Aug 2019 18:07

Tgt Ion: 62 Resp: 3915
 Ion Ratio Lower Upper
 62 100
 98 5.5 6.4 9.6#





#29

1,1,1-Trichloroethane

Concen: 0.436 ug/L

RT: 4.66 min Scan# 1109

Delta R.T. 0.00 min

Lab File: VV012131.D

Acq: 08 Aug 2019 18:07

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.534

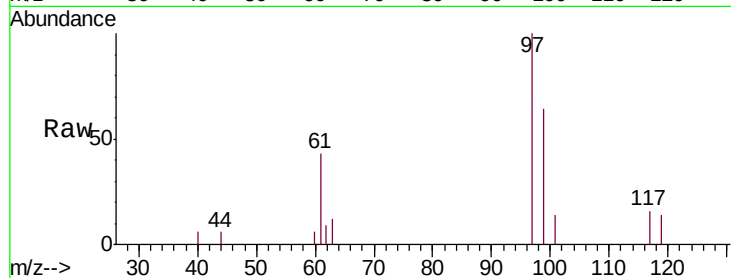
Tgt Ion: 97 Resp: 5837

Ion Ratio Lower Upper

97 100

99 66.3 52.0 78.0

61 38.4 31.4 47.0

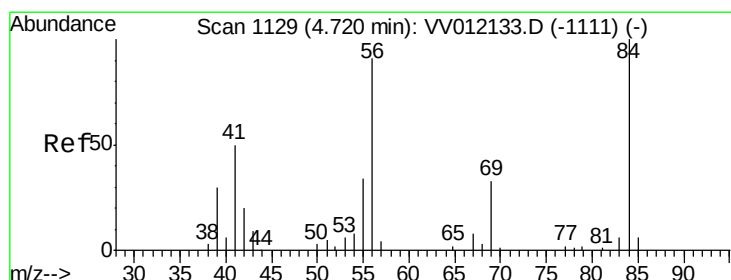
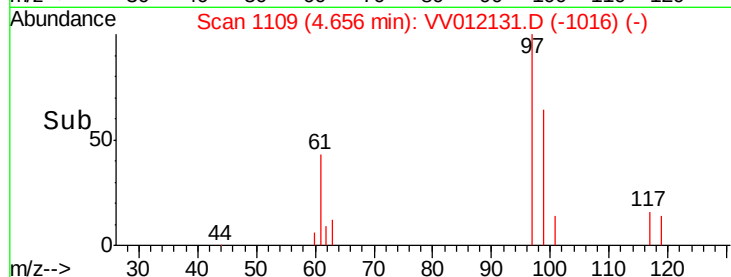
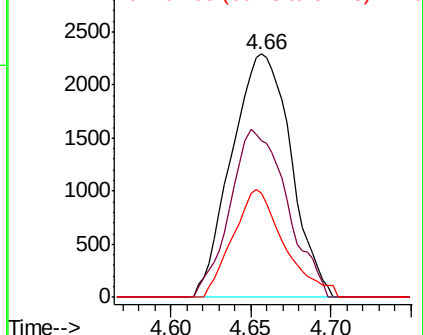


Abundance

Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

Ion 61.05 (60.75 to 61.75): VV0



#30

Cyclohexane

Concen: 0.414 ug/L

RT: 4.72 min Scan# 1129

Delta R.T. 0.00 min

Lab File: VV012131.D

Acq: 08 Aug 2019 18:07

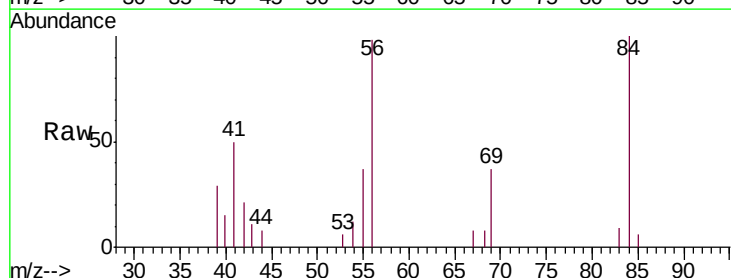
Tgt Ion: 56 Resp: 4155

Ion Ratio Lower Upper

56 100

69 36.5 28.0 42.0

84 108.5 85.4 128.0

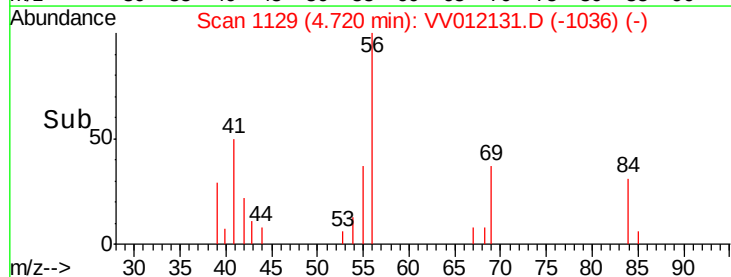
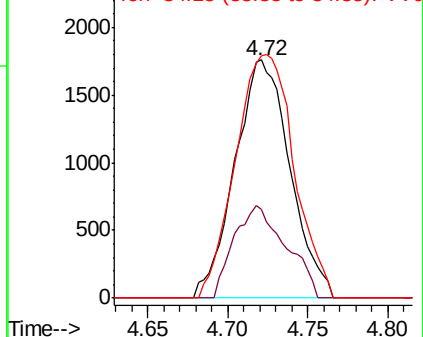


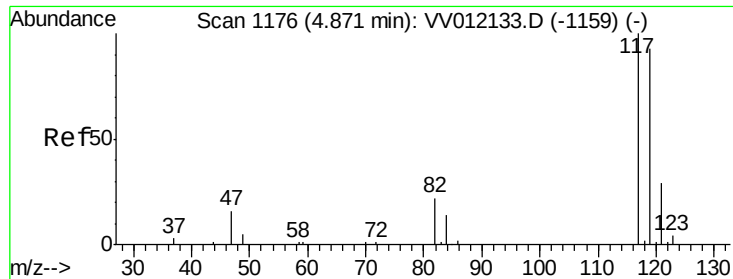
Abundance

Ion 56.10 (55.80 to 56.80): VV0

Ion 69.15 (68.85 to 69.85): VV0

Ion 84.15 (83.85 to 84.85): VV0





#31

Carbon tetrachloride

Concen: 0.489 ug/L

RT: 4.87 min Scan# 1176

Delta R.T. 0.00 min

Lab File: VV012131.D

Acq: 08 Aug 2019 18:07

Instrument :

MSVOA_V

ClientSampled :

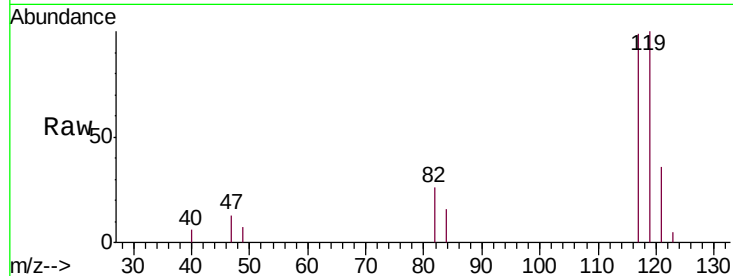
VSTD0.534

Tgt Ion:117 Resp: 5927

Ion Ratio Lower Upper

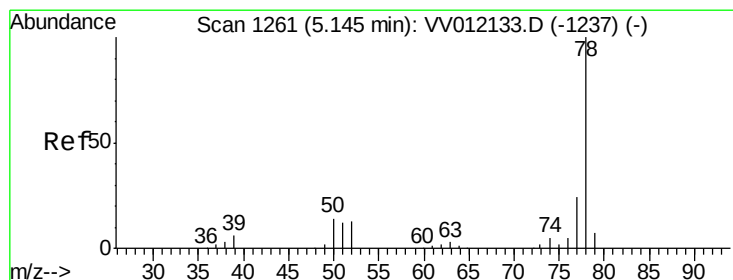
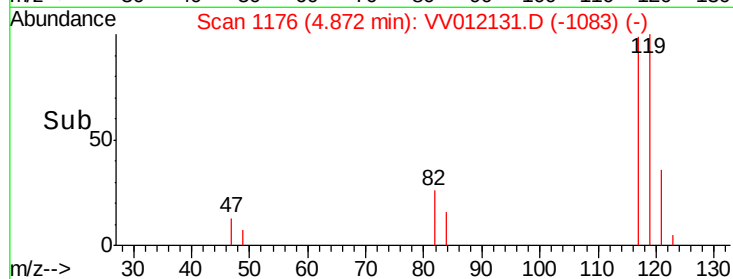
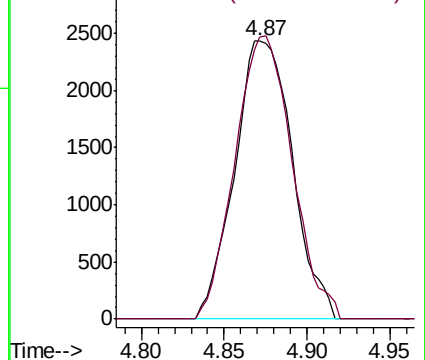
117 100

119 100.5 77.0 115.6



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 0.431 ug/L

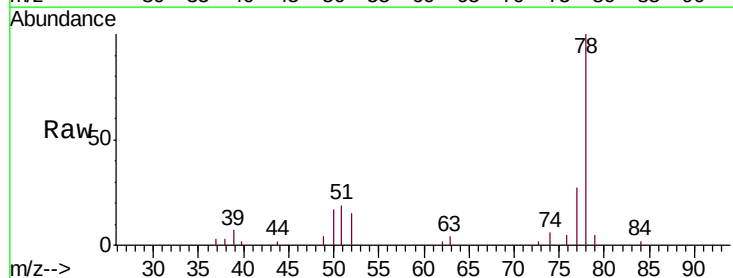
RT: 5.15 min Scan# 1262

Delta R.T. 0.00 min

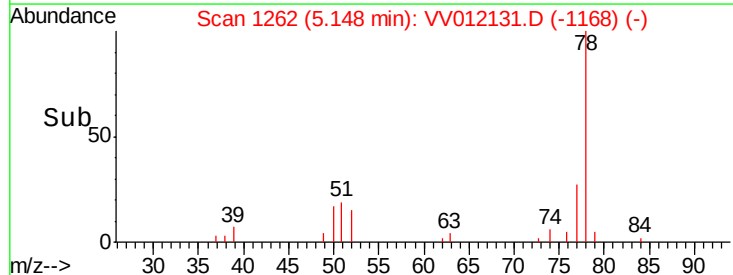
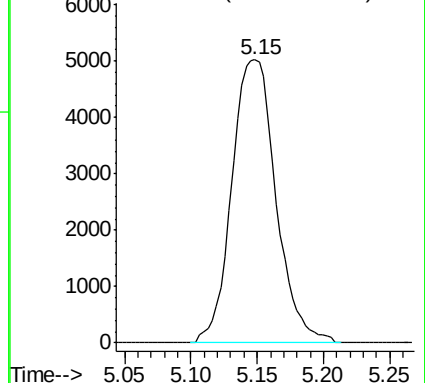
Lab File: VV012131.D

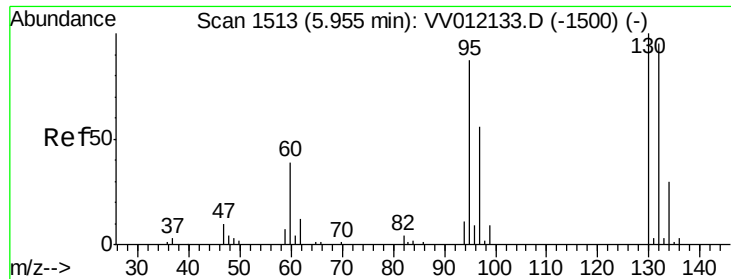
Acq: 08 Aug 2019 18:07

Tgt Ion: 78 Resp: 11620



Abundance Ion 78.10 (77.80 to 78.80): VV0

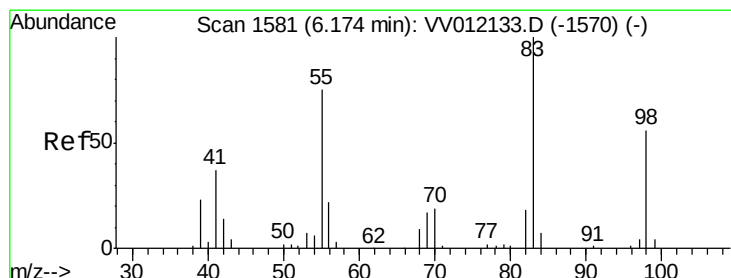
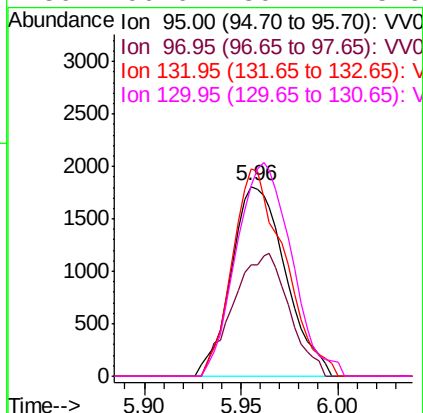
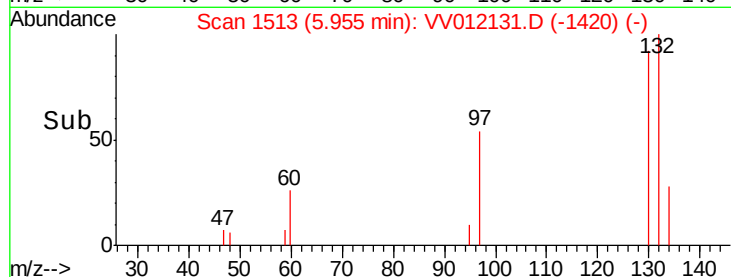
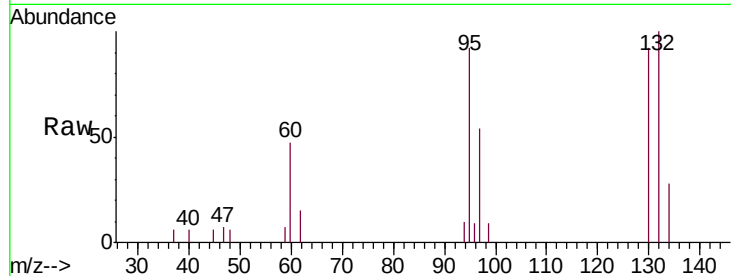




#34
 Trichloroethene
 Concen: 0.450 ug/L
 RT: 5.96 min Scan# 1513
 Delta R.T. 0.00 min
 Lab File: VV012131.D
 Acq: 08 Aug 2019 18:07

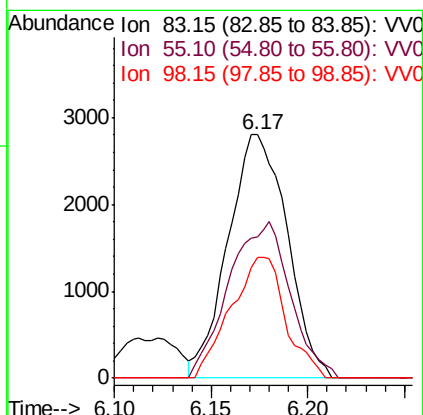
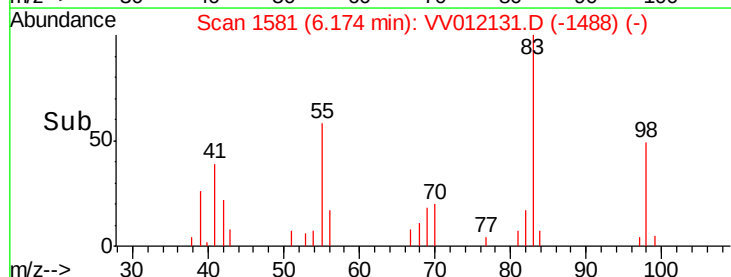
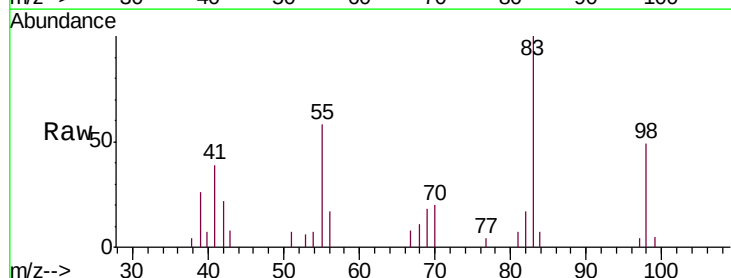
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.534

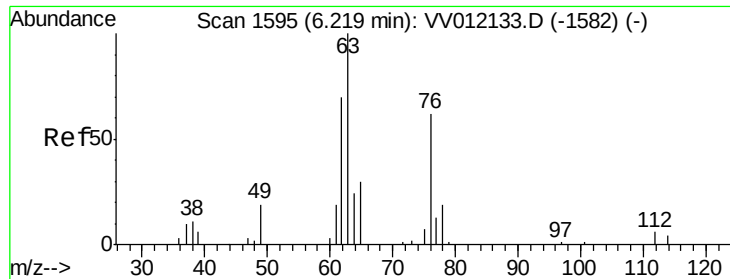
Tgt Ion: 95 Resp: 3522
 Ion Ratio Lower Upper
 95 100
 97 58.7 44.6 82.8
 132 109.1 75.9 141.1
 130 100.6 80.2 148.9



#35
 Methylcyclohexane
 Concen: 0.502 ug/L
 RT: 6.17 min Scan# 1581
 Delta R.T. 0.00 min
 Lab File: VV012131.D
 Acq: 08 Aug 2019 18:07

Tgt Ion: 83 Resp: 5959
 Ion Ratio Lower Upper
 83 100
 55 67.0 55.0 82.6
 98 46.2 40.4 60.6

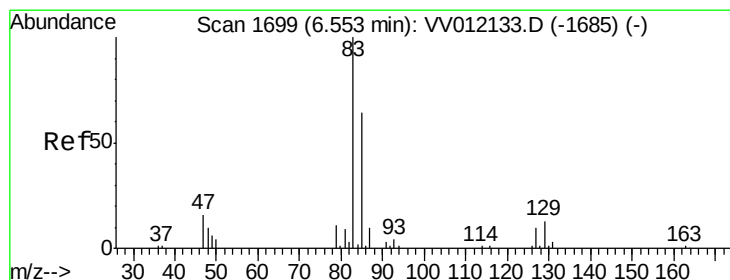
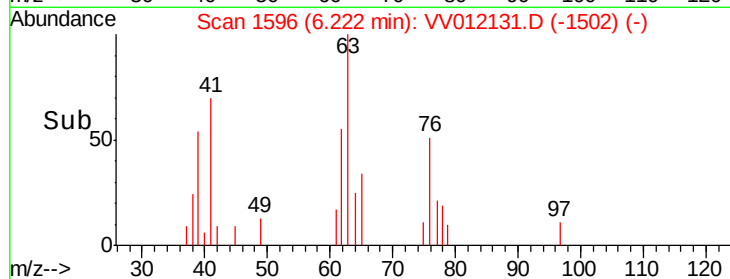
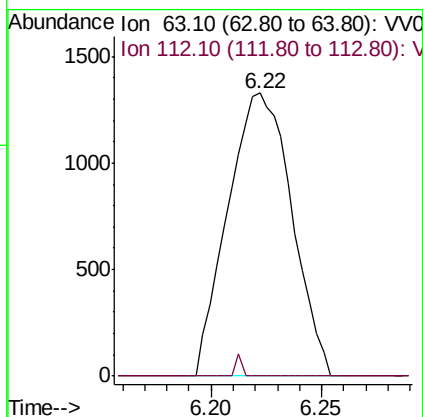
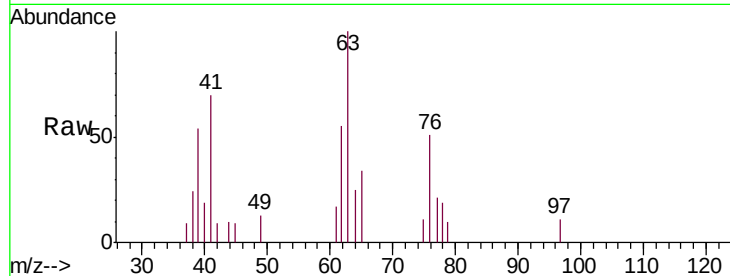




#37
 1,2-Dichloropropane
 Concen: 0.430 ug/L
 RT: 6.22 min Scan# 1596
 Delta R.T. 0.00 min
 Lab File: VV012131.D
 Acq: 08 Aug 2019 18:07

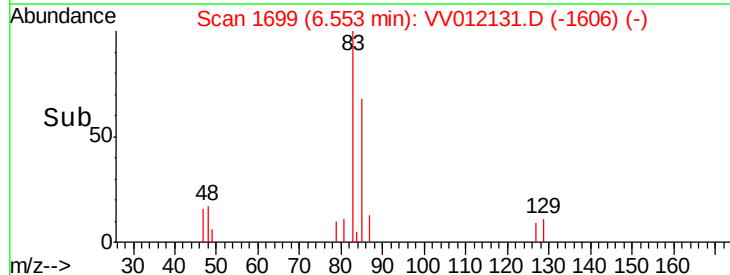
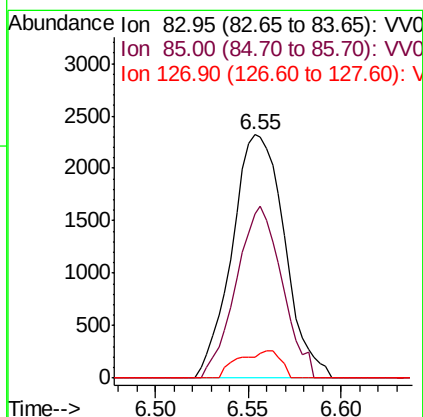
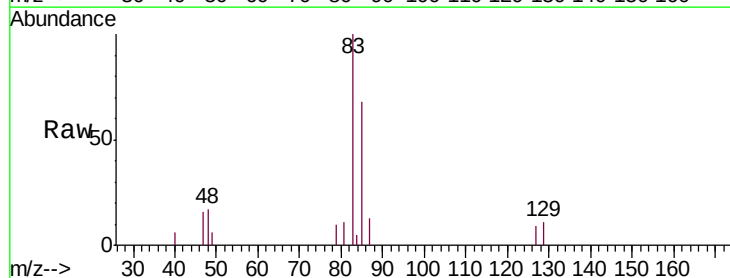
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.534

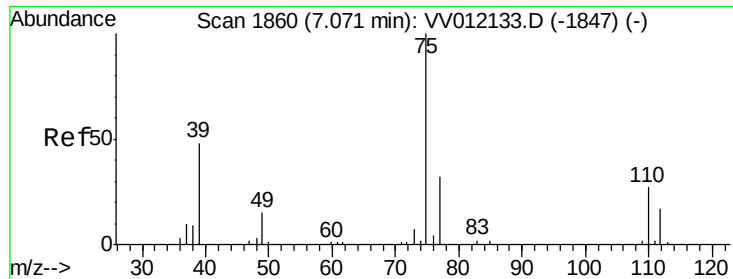
Tgt Ion: 63 Resp: 2669
 Ion Ratio Lower Upper
 63 100
 112 0.7 3.9 5.9#



#38
 Bromodichloromethane
 Concen: 0.487 ug/L
 RT: 6.55 min Scan# 1699
 Delta R.T. 0.00 min
 Lab File: VV012131.D
 Acq: 08 Aug 2019 18:07

Tgt Ion: 83 Resp: 4557
 Ion Ratio Lower Upper
 83 100
 85 67.5 44.9 83.5
 127 8.8 8.2 12.2

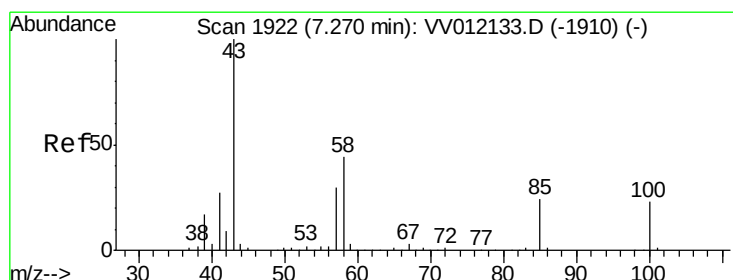
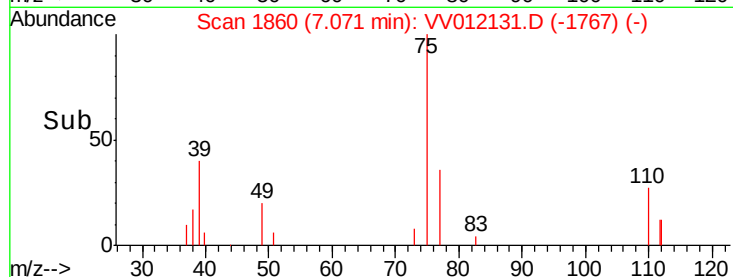
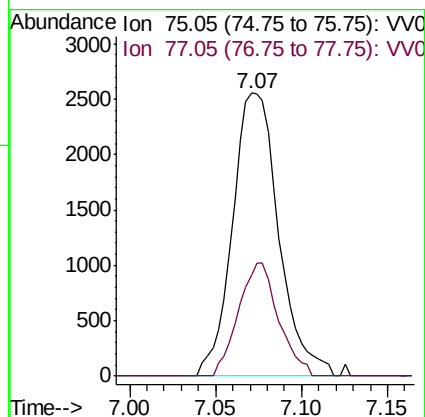
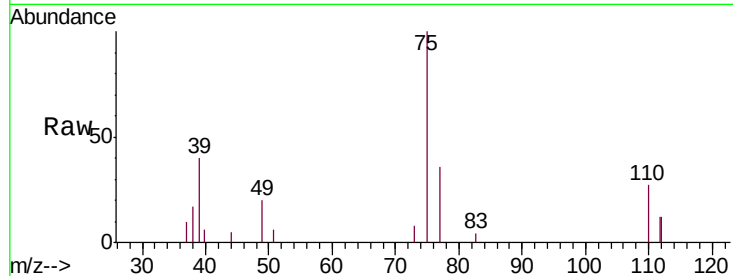




#39
 cis-1,3-Dichloropropene
 Concen: 0.487 ug/L
 RT: 7.07 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VV012131.D
 Acq: 08 Aug 2019 18:07

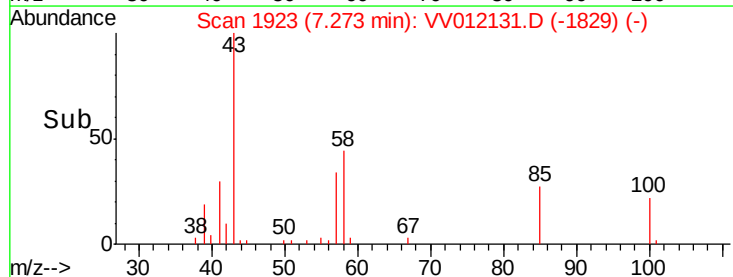
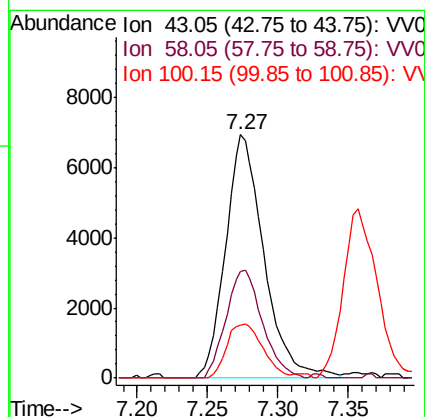
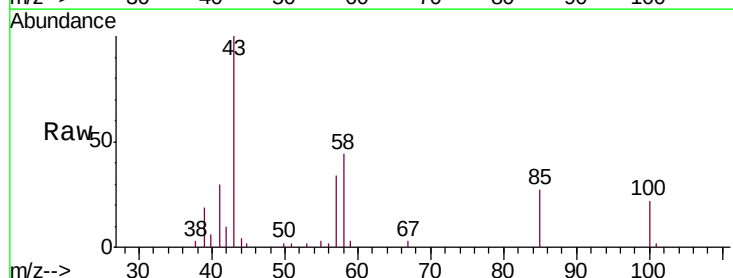
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.534

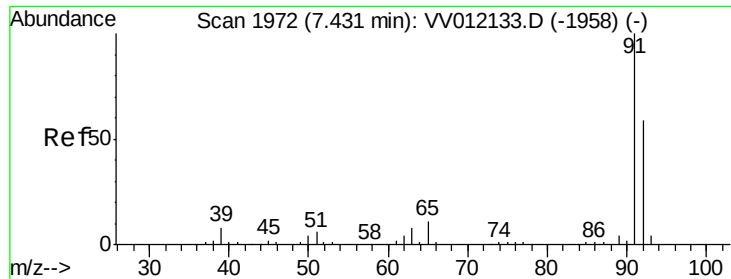
Tgt Ion: 75 Resp: 4772
 Ion Ratio Lower Upper
 75 100
 77 35.8 22.5 41.7



#40
 4-Methyl-2-pentanone
 Concen: 3.881 ug/L
 RT: 7.27 min Scan# 1923
 Delta R.T. 0.00 min
 Lab File: VV012131.D
 Acq: 08 Aug 2019 18:07

Tgt Ion: 43 Resp: 13193
 Ion Ratio Lower Upper
 43 100
 58 41.8 34.2 51.2
 100 21.1 17.0 25.6





#42

Toluene

Concen: 0.480 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV012131.D

Acq: 08 Aug 2019 18:07

Instrument :

MSVOA_V

ClientSampleId :

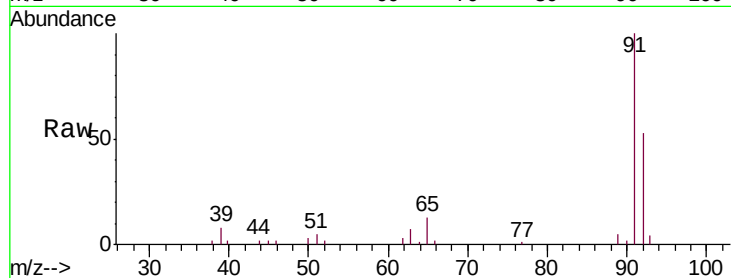
VSTD0.534

Tgt Ion: 91 Resp: 14272

Ion Ratio Lower Upper

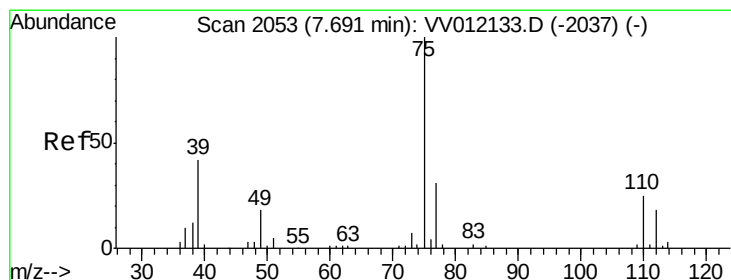
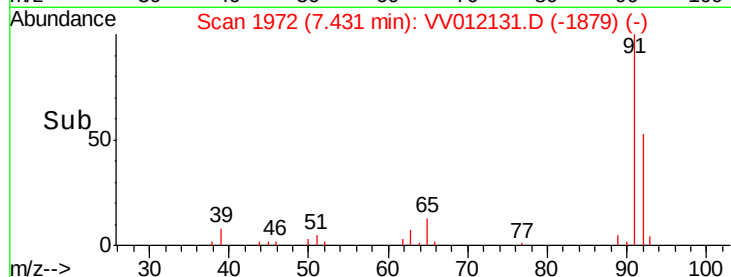
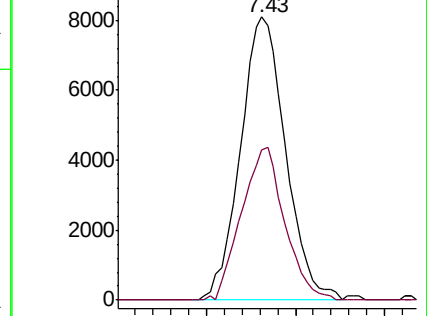
91 100

92 53.3 41.4 77.0



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0



#44

trans-1,3-Dichloropropene

Concen: 0.405 ug/L

RT: 7.69 min Scan# 2054

Delta R.T. 0.00 min

Lab File: VV012131.D

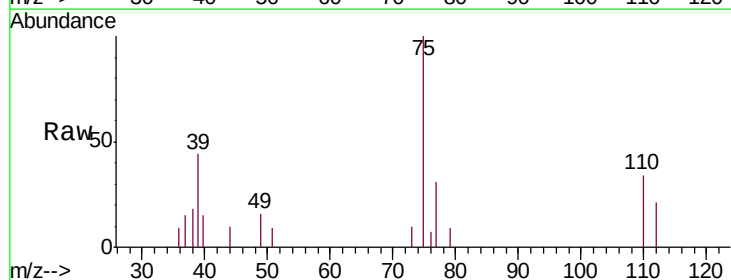
Acq: 08 Aug 2019 18:07

Tgt Ion: 75 Resp: 3252

Ion Ratio Lower Upper

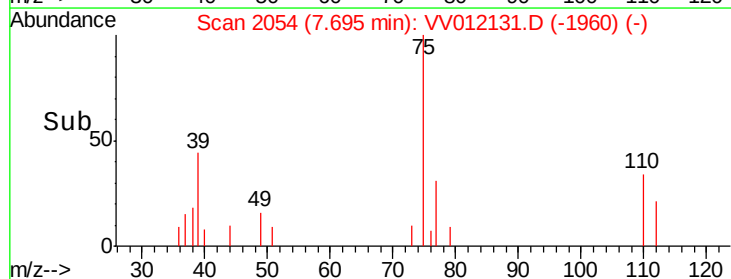
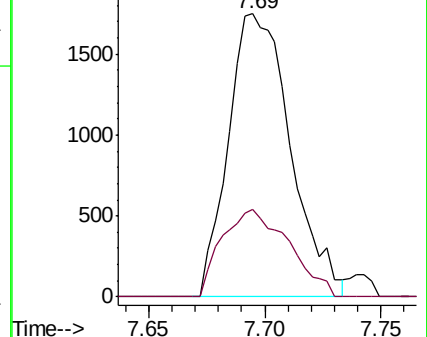
75 100

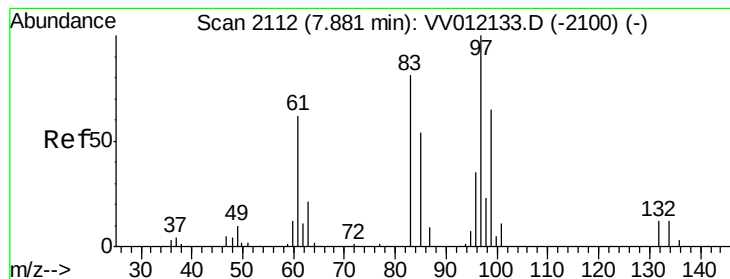
77 30.9 22.0 41.0



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0





#45

1,1,2-Trichloroethane

Concen: 0.425 ug/L

RT: 7.88 min Scan# 2113

Delta R.T. 0.00 min

Lab File: VV012131.D

Acq: 08 Aug 2019 18:07

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.534

Tgt Ion: 97 Resp: 2007

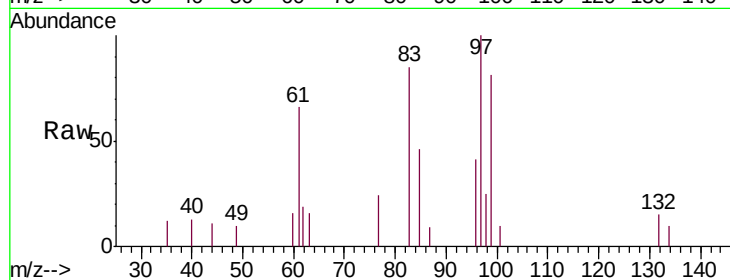
Ion Ratio Lower Upper

97 100

99 80.7 45.2 84.0

83 84.7 56.8 105.4

85 46.2 37.9 70.5

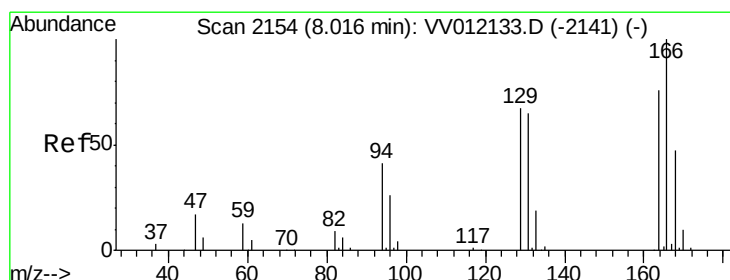
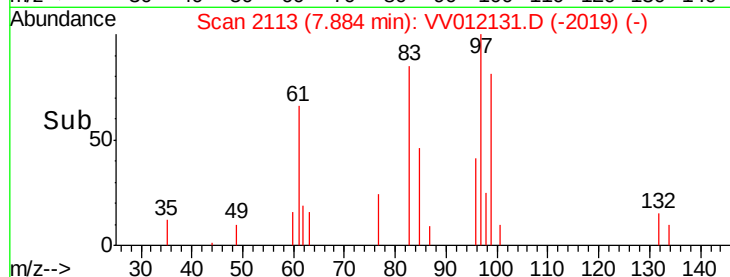
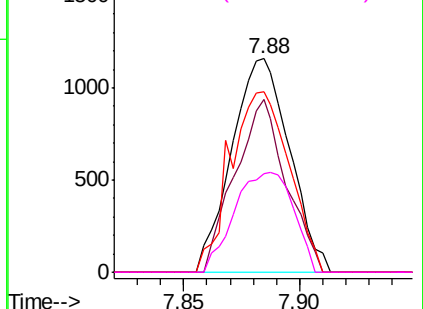


Abundance Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0



#47

Tetrachloroethene

Concen: 0.489 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. 0.00 min

Lab File: VV012131.D

Acq: 08 Aug 2019 18:07

Tgt Ion: 164 Resp: 3551

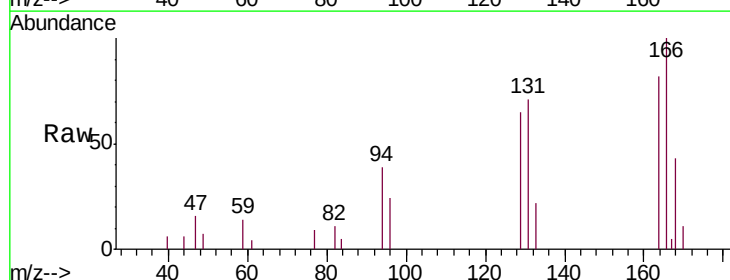
Ion Ratio Lower Upper

164 100

129 79.2 62.2 115.4

131 86.5 60.1 111.5

166 121.8 92.2 171.2

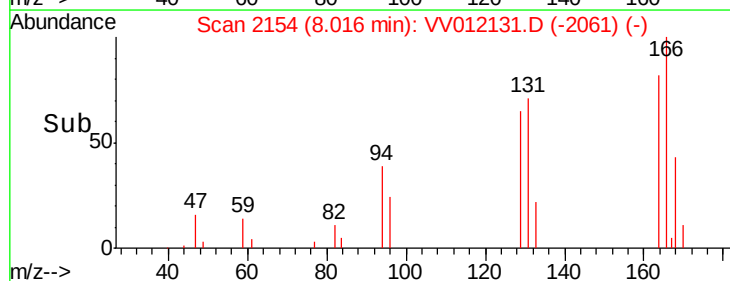
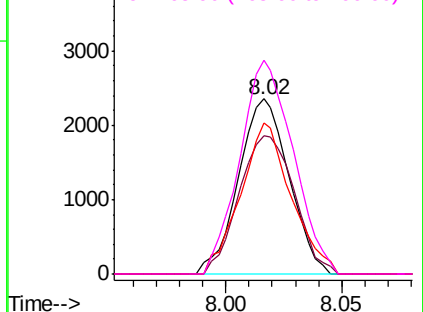


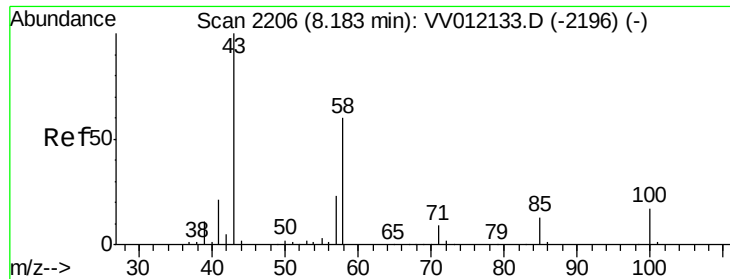
Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V



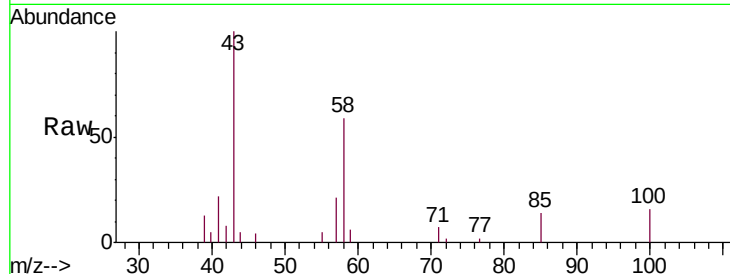


#48
2-Hexanone
Concen: 3.625 ug/L
RT: 8.18 min Scan# 2206
Delta R.T. 0.00 min
Lab File: VV012131.D
Acq: 08 Aug 2019 18:07

Instrument :
MSVOA_V
ClientSampleId :
VSTD0.534

Tgt Ion: 43 Resp: 8623

Ion	Ratio	Lower	Upper
43	100		
58	64.2	46.4	69.6
57	26.2	17.7	26.5
100	18.4	12.9	19.3

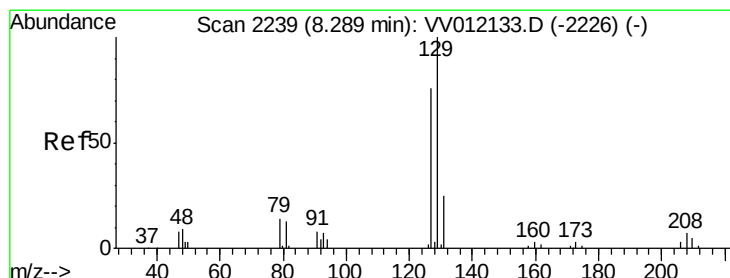
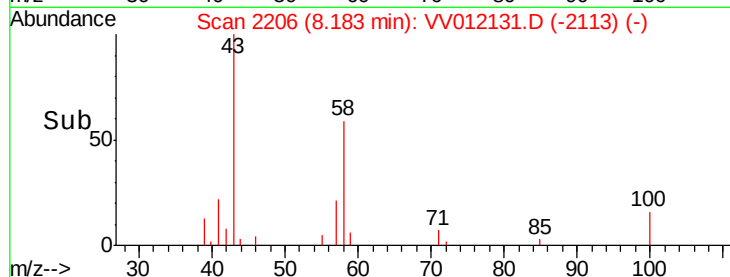
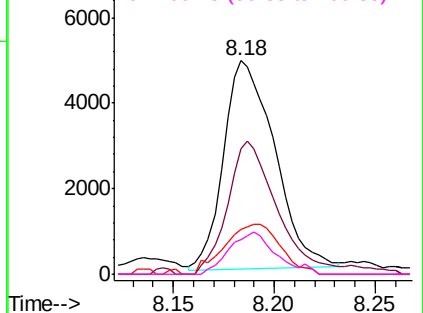


Abundance Ion 43.05 (42.75 to 43.75): VV012131.D (-2196) (-)

Ion 58.05 (57.75 to 58.75): VV012131.D (-2196) (-)

Ion 57.20 (56.90 to 57.90): VV012131.D (-2196) (-)

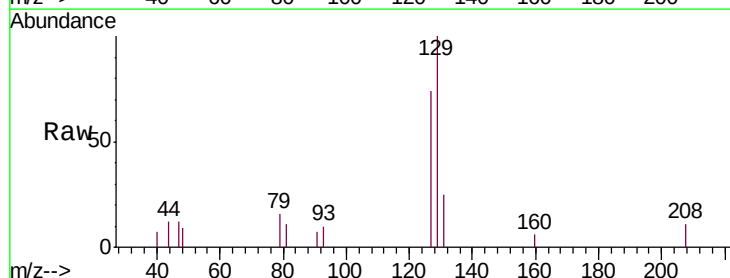
Ion 100.15 (99.85 to 100.85): VV012131.D (-2196) (-)



#49
Dibromochloromethane
Concen: 0.493 ug/L
RT: 8.29 min Scan# 2238
Delta R.T. -0.00 min
Lab File: VV012131.D
Acq: 08 Aug 2019 18:07

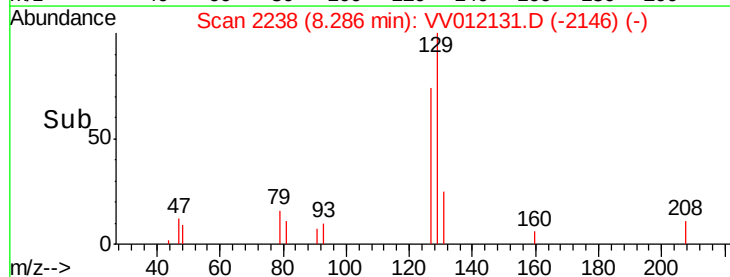
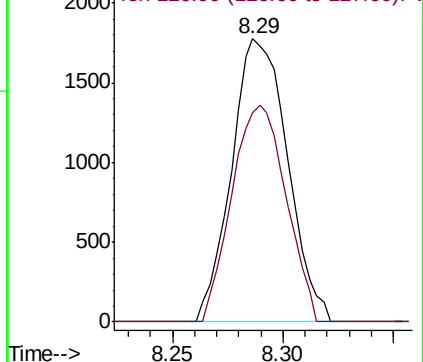
Tgt Ion: 129 Resp: 3121

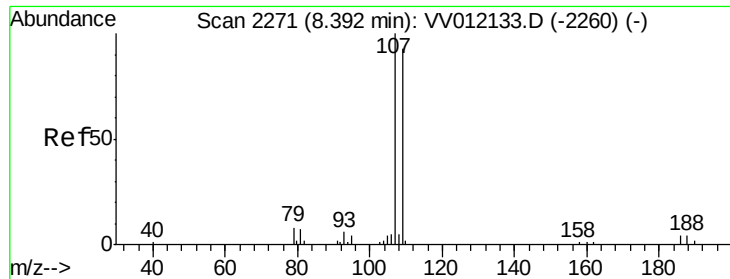
Ion	Ratio	Lower	Upper
129	100		
127	73.8	53.4	99.2



Abundance Ion 128.95 (128.65 to 129.65): VV012131.D (-2146) (-)

Ion 126.90 (126.60 to 127.60): VV012131.D (-2146) (-)

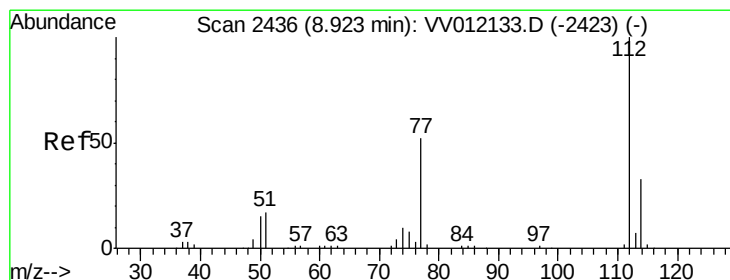
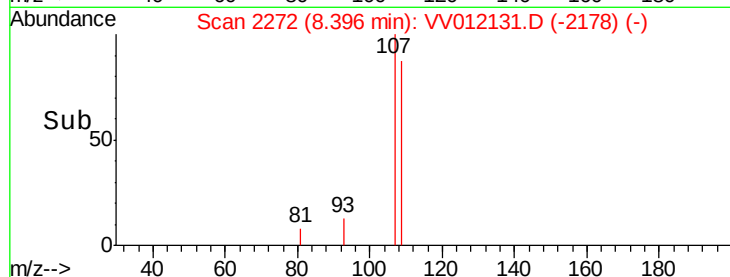
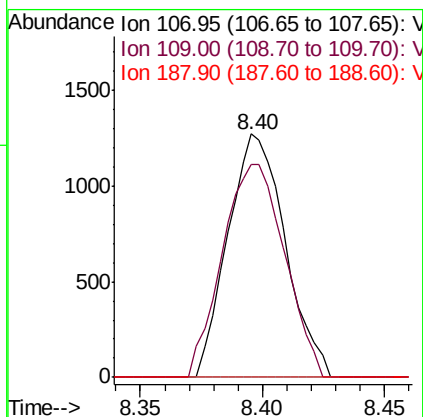
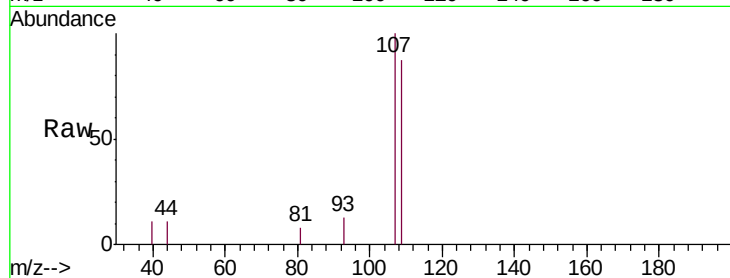




#50
1,2-Dibromoethane
Concen: 0.450 ug/L
RT: 8.40 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VV012131.D
Acq: 08 Aug 2019 18:07

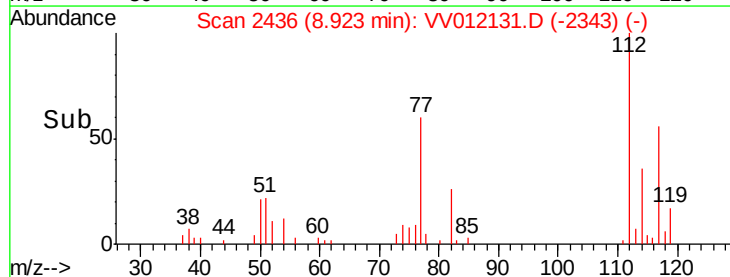
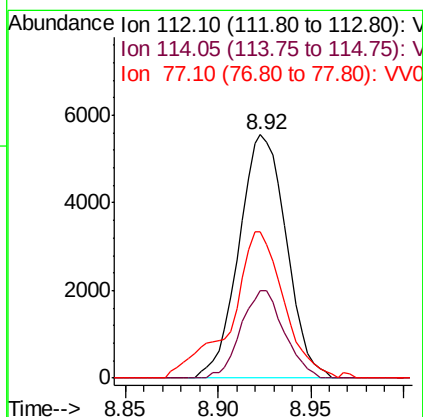
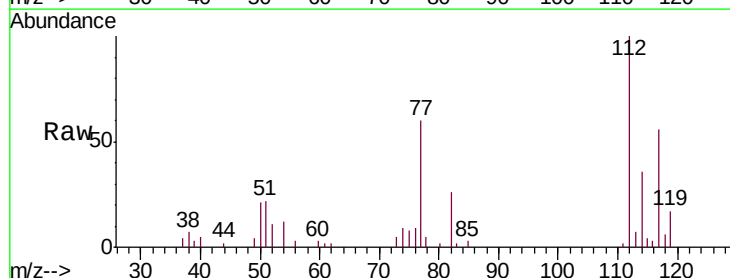
Instrument :
MSVOA_V
ClientSampleId :
VSTD0.534

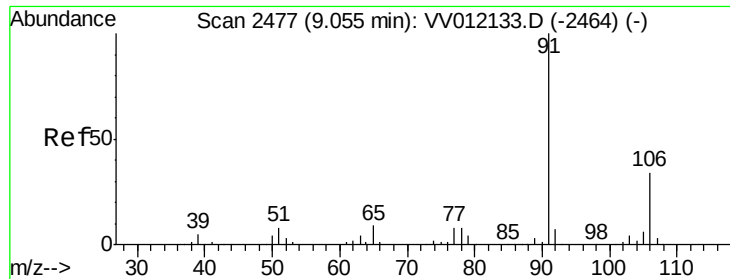
Tgt Ion:107 Resp: 2076
Ion Ratio Lower Upper
107 100
109 87.3 65.1 120.9
188 0.0 3.5 5.3#



#51
Chlorobenzene
Concen: 0.486 ug/L
RT: 8.92 min Scan# 2436
Delta R.T. 0.00 min
Lab File: VV012131.D
Acq: 08 Aug 2019 18:07

Tgt Ion:112 Resp: 9846
Ion Ratio Lower Upper
112 100
114 36.0 23.0 42.8
77 60.3 41.8 62.8





#52

Ethylbenzene

Concen: 0.450 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. 0.00 min

Lab File: VV012131.D

Acq: 08 Aug 2019 18:07

Instrument :

MSVOA_V

ClientSampleId :

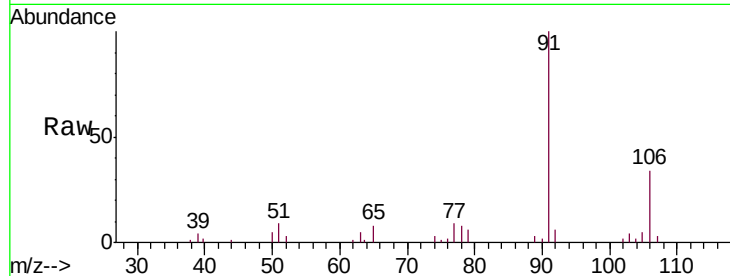
VSTD0.534

Tgt Ion: 91 Resp: 15410

Ion Ratio Lower Upper

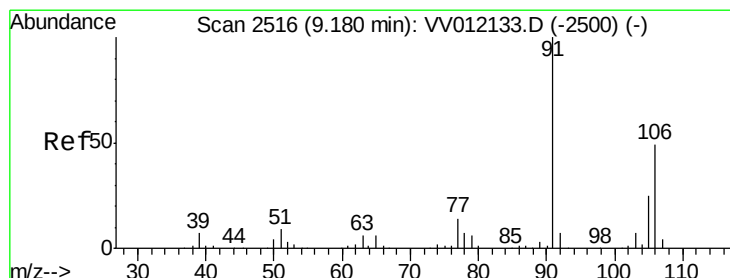
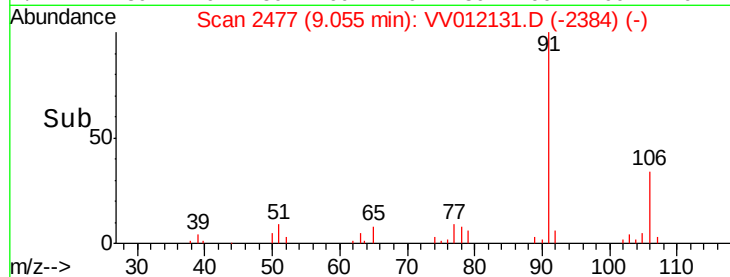
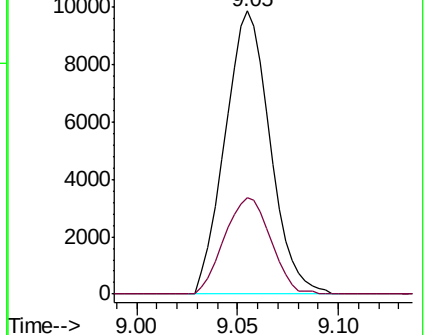
91 100

106 34.1 23.7 43.9



Abundance Ion 91.15 (90.85 to 91.85): VV012131.D (-2464) (-)

Ion 106.15 (105.85 to 106.85): VV012131.D (-2464) (-)



#53

m,p-xylene

Concen: 0.465 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. 0.00 min

Lab File: VV012131.D

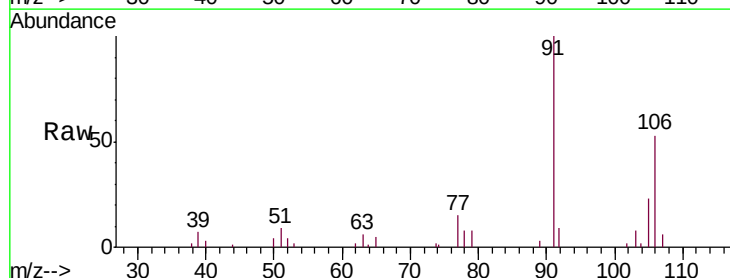
Acq: 08 Aug 2019 18:07

Tgt Ion: 106 Resp: 6131

Ion Ratio Lower Upper

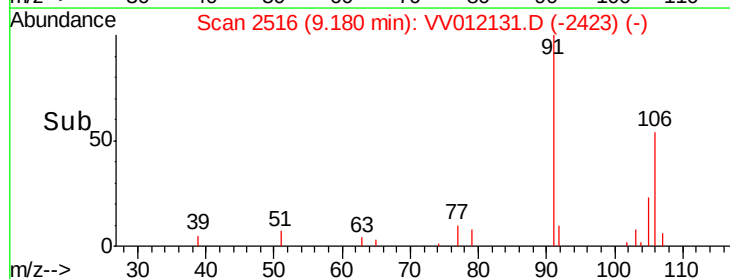
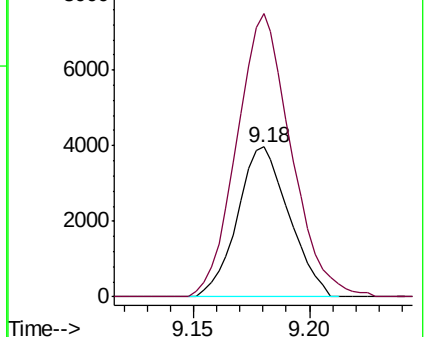
106 100

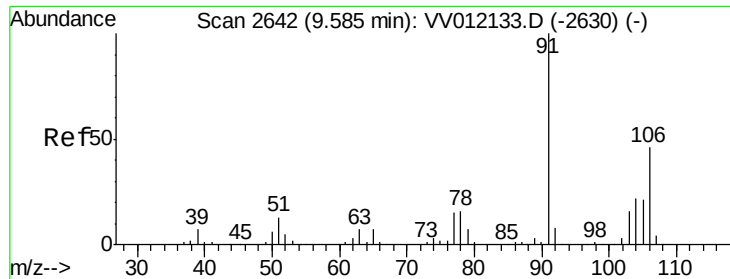
91 188.6 142.2 264.0



Abundance Ion 106.15 (105.85 to 106.85): VV012131.D (-2500) (-)

Ion 91.15 (90.85 to 91.85): VV012131.D (-2500) (-)

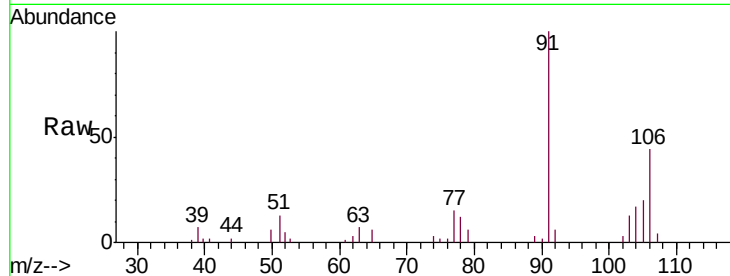




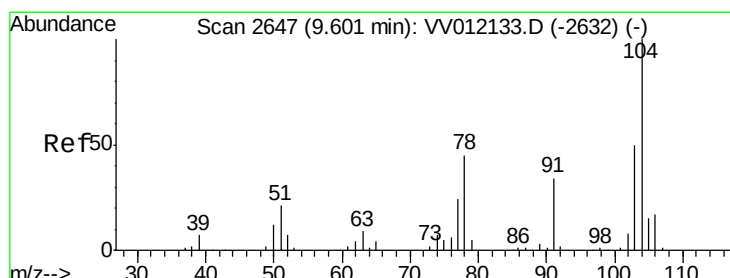
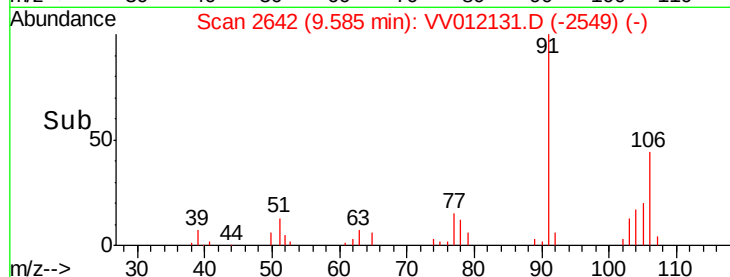
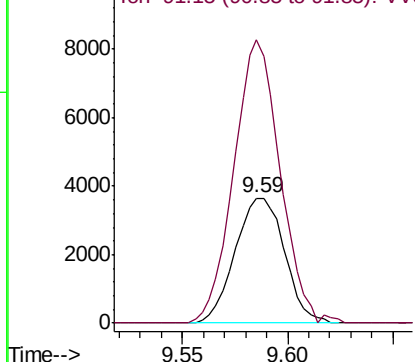
#54
o-xylene
Concen: 0.470 ug/L
RT: 9.59 min Scan# 2642
Delta R.T. 0.00 min
Lab File: VV012131.D
Acq: 08 Aug 2019 18:07

Instrument :
MSVOA_V
ClientSampleId :
VSTD0.534

Tgt Ion:106 Resp: 5957
Ion Ratio Lower Upper
106 100
91 226.8 150.8 280.1

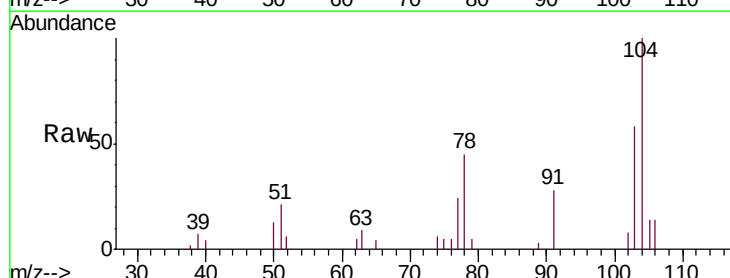


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VV0

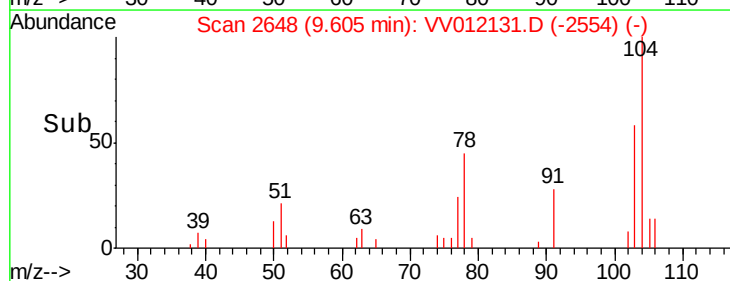
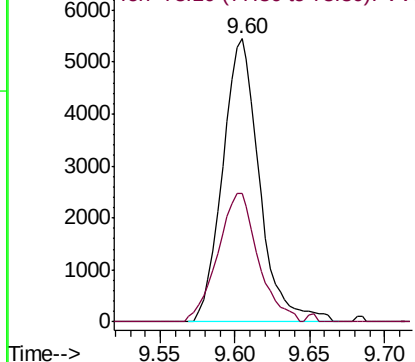


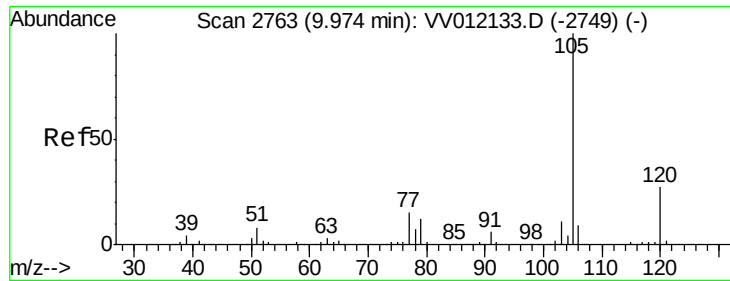
#55
Styrene
Concen: 0.436 ug/L
RT: 9.60 min Scan# 2648
Delta R.T. 0.00 min
Lab File: VV012131.D
Acq: 08 Aug 2019 18:07

Tgt Ion:104 Resp: 9334
Ion Ratio Lower Upper
104 100
78 45.5 31.5 58.5



Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 0.477 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. 0.00 min

Lab File: VV012131.D

Acq: 08 Aug 2019 18:07

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.534

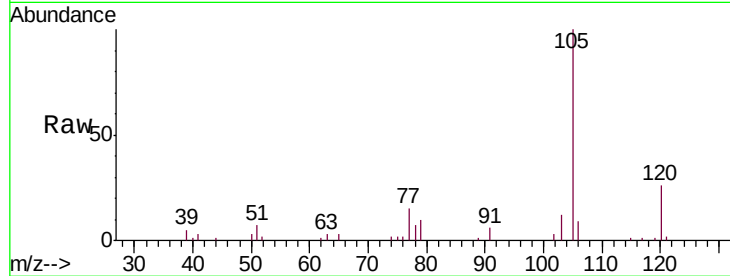
Tgt Ion:105 Resp: 16741

Ion Ratio Lower Upper

105 100

120 27.2 21.4 32.2

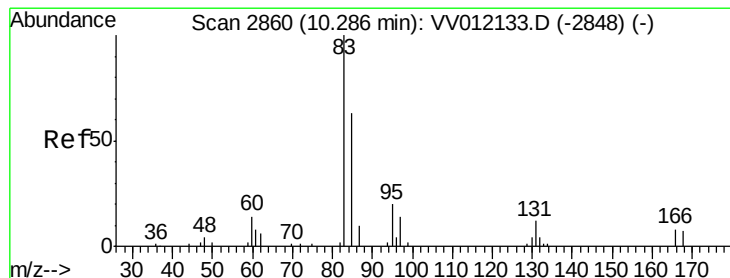
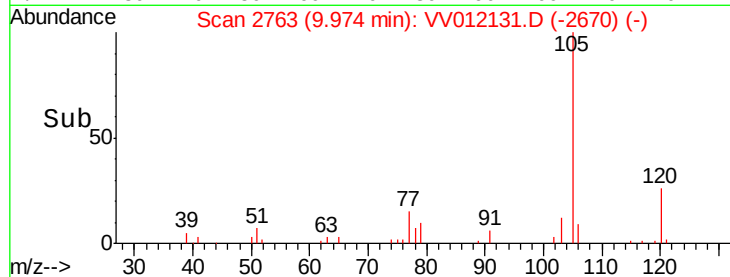
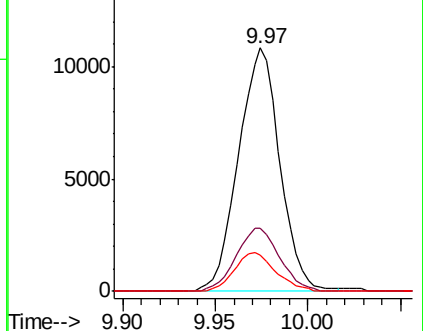
77 16.0 11.7 17.5



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 0.430 ug/L

RT: 10.28 min Scan# 2859

Delta R.T. -0.00 min

Lab File: VV012131.D

Acq: 08 Aug 2019 18:07

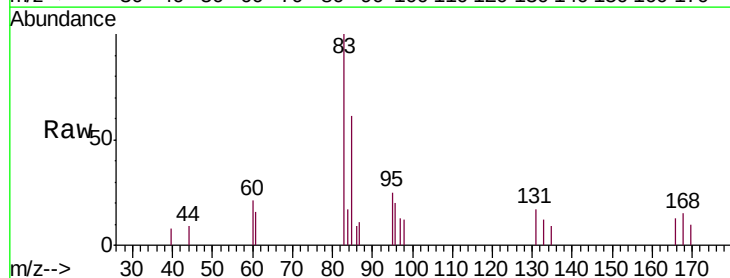
Tgt Ion: 83 Resp: 2255

Ion Ratio Lower Upper

83 100

85 61.0 45.1 83.9

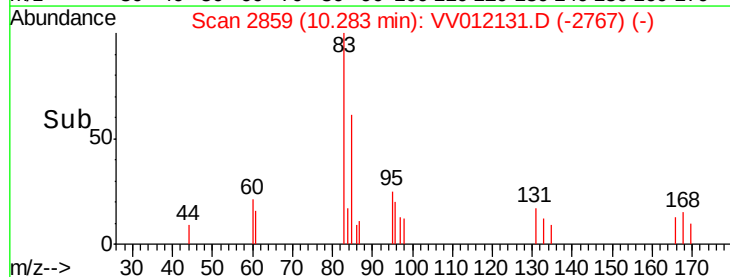
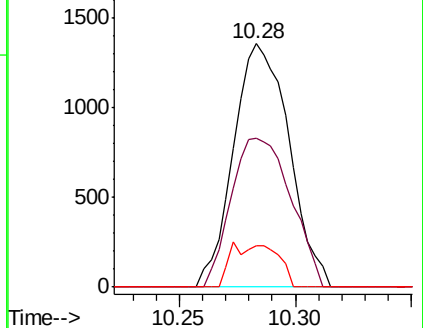
131 17.0 11.1 16.7#

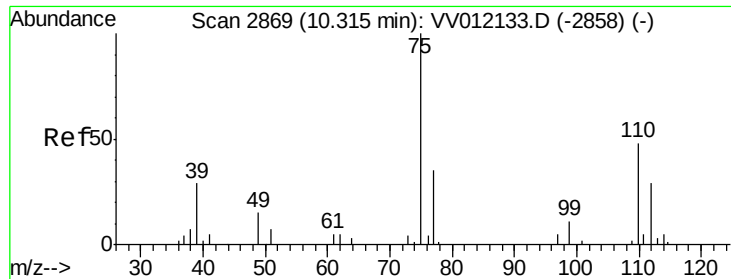


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V

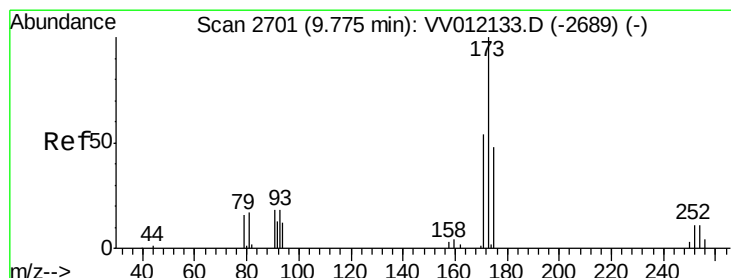
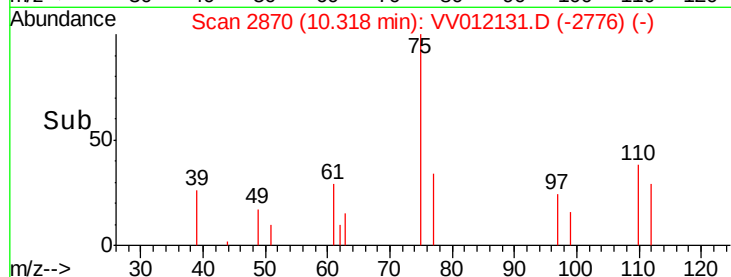
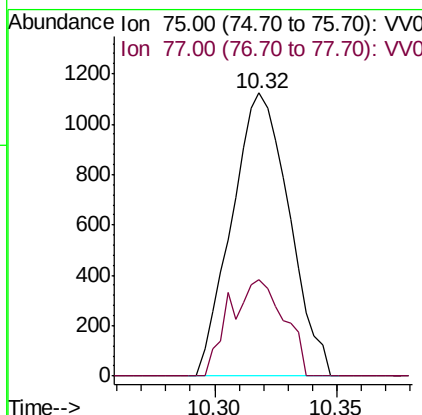
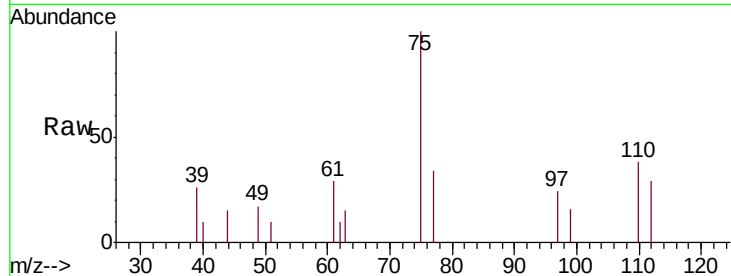




#59
 1,2,3-Trichloropropane
 Concen: 0.464 ug/L
 RT: 10.32 min Scan# 2870
 Delta R.T. 0.00 min
 Lab File: VV012131.D
 Acq: 08 Aug 2019 18:07

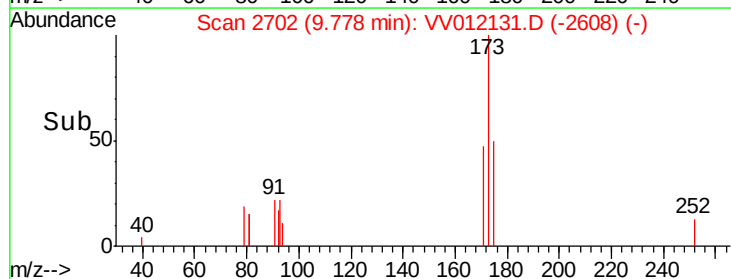
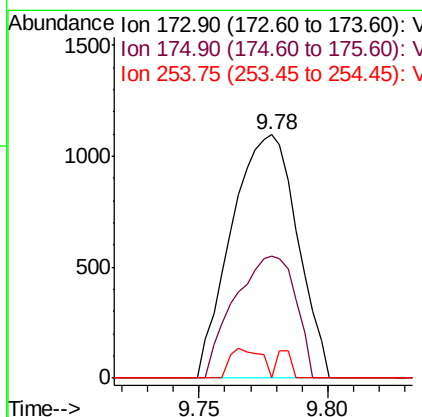
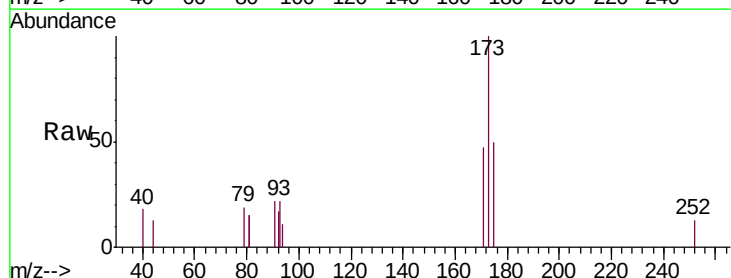
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.534

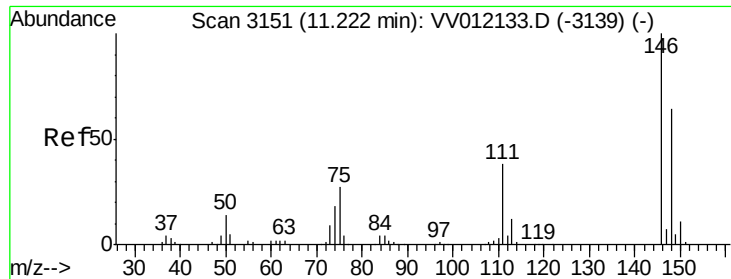
Tgt Ion: 75 Resp: 1831
 Ion Ratio Lower Upper
 75 100
 77 32.3 26.4 39.6



#61
 Bromoform
 Concen: 0.565 ug/L
 RT: 9.78 min Scan# 2702
 Delta R.T. 0.00 min
 Lab File: VV012131.D
 Acq: 08 Aug 2019 18:07

Tgt Ion: 173 Resp: 1955
 Ion Ratio Lower Upper
 173 100
 175 46.4 39.0 58.6
 254 2.4 8.4 12.6#





#62

1,3-Dichlorobenzene

Concen: 0.512 ug/L

RT: 11.23 min Scan# 3152

Delta R.T. 0.00 min

Lab File: VV012131.D

Acq: 08 Aug 2019 18:07

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.534

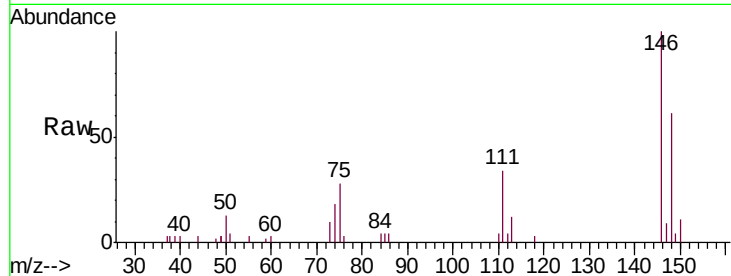
Tgt Ion:146 Resp: 8605

Ion Ratio Lower Upper

146 100

111 33.6 26.9 49.9

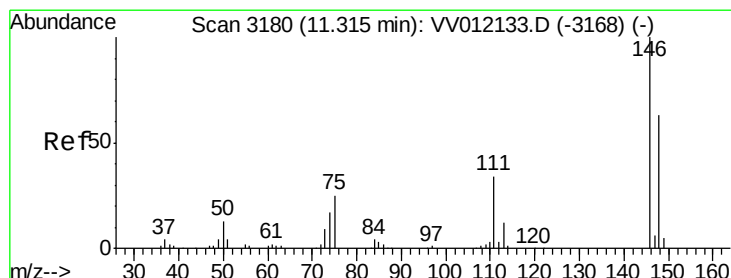
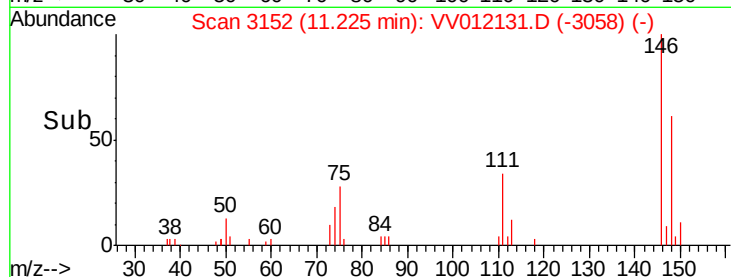
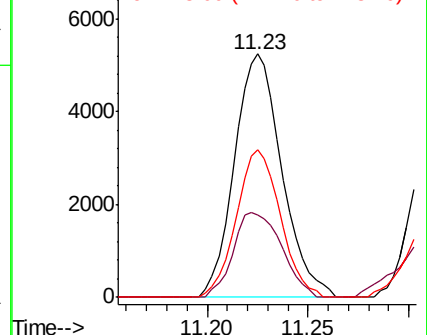
148 60.5 44.6 82.8



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 0.503 ug/L

RT: 11.32 min Scan# 3180

Delta R.T. 0.00 min

Lab File: VV012131.D

Acq: 08 Aug 2019 18:07

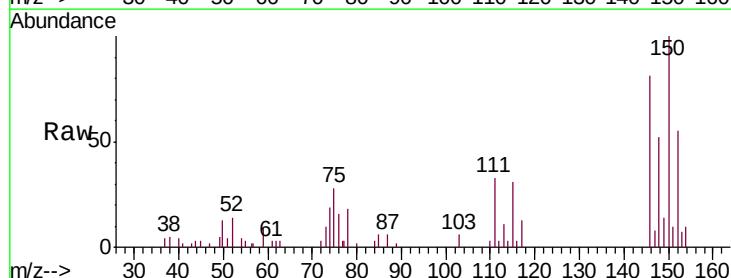
Tgt Ion:146 Resp: 8605

Ion Ratio Lower Upper

146 100

111 41.0 23.7 43.9

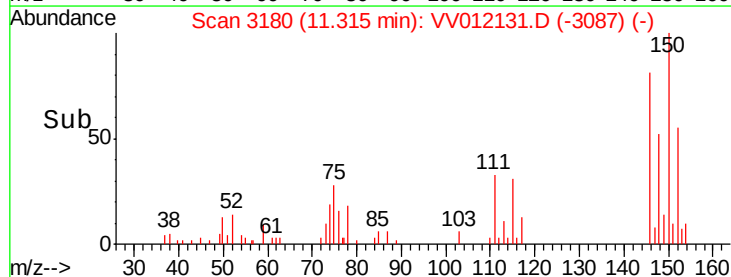
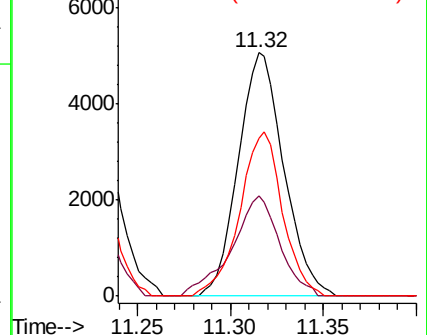
148 64.8 43.9 81.5

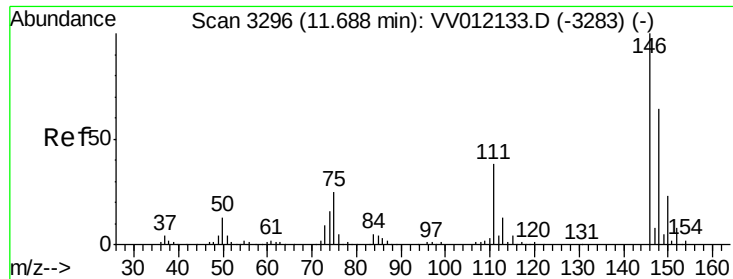


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 0.498 ug/L

RT: 11.69 min Scan# 3296

Delta R.T. 0.00 min

Lab File: VV012131.D

Acq: 08 Aug 2019 18:07

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.534

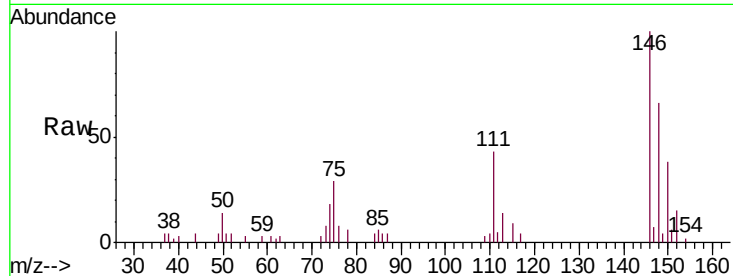
Tgt Ion:146 Resp: 7603

Ion Ratio Lower Upper

146 100

111 42.7 30.6 45.8

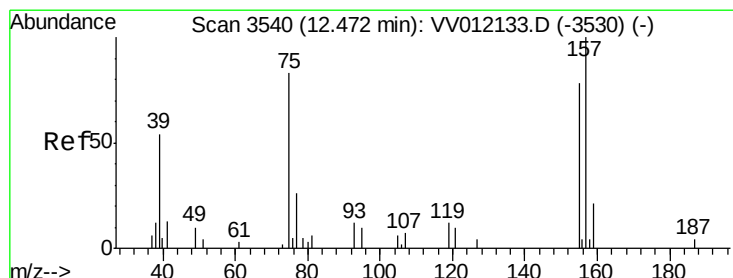
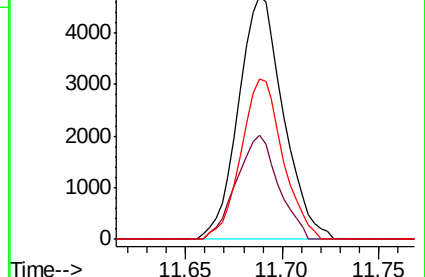
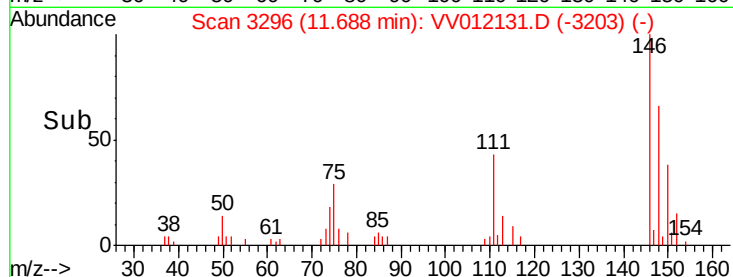
148 65.9 51.6 77.4



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 0.647 ug/L

RT: 12.47 min Scan# 3540

Delta R.T. 0.00 min

Lab File: VV012131.D

Acq: 08 Aug 2019 18:07

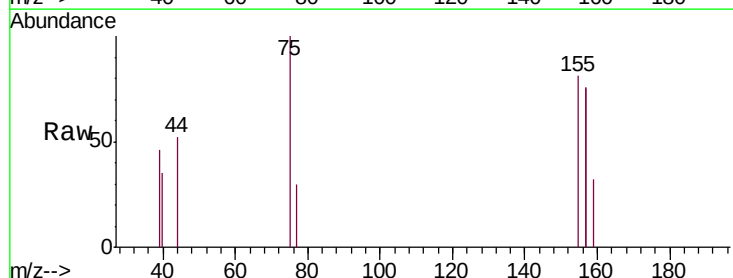
Tgt Ion: 75 Resp: 546

Ion Ratio Lower Upper

75 100

155 81.3 75.2 112.8

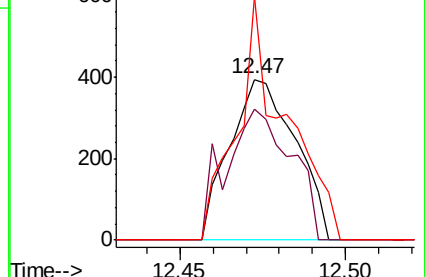
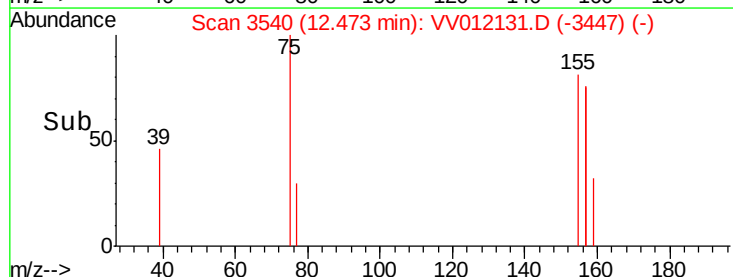
157 151.4 96.7 145.1#

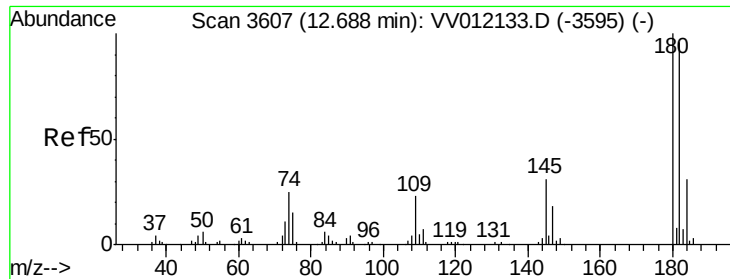


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

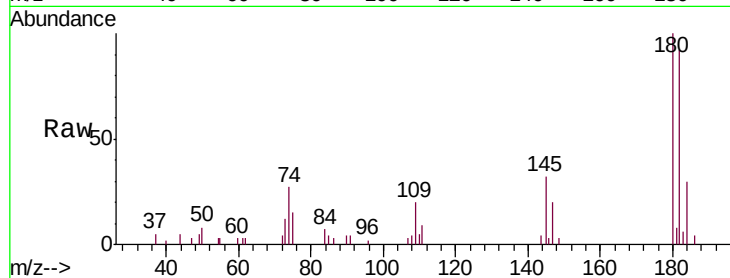




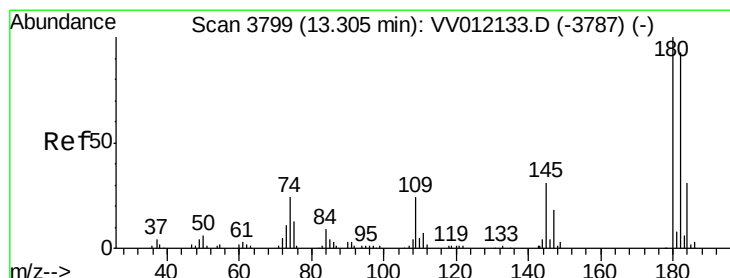
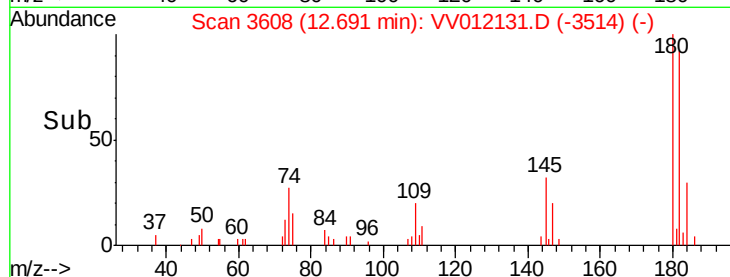
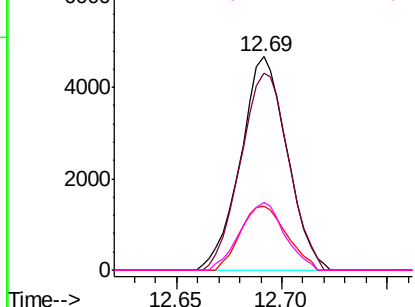
#67
 1,3,5-Trichlorobenzene
 Concen: 0.516 ug/L
 RT: 12.69 min Scan# 3608
 Delta R.T. 0.00 min
 Lab File: VV012131.D
 Acq: 08 Aug 2019 18:07

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.534

Tgt Ion:180 Resp: 7168
 Ion Ratio Lower Upper
 180 100
 182 95.0 76.8 115.2
 184 29.9 25.0 37.4
 145 30.2 23.4 35.2

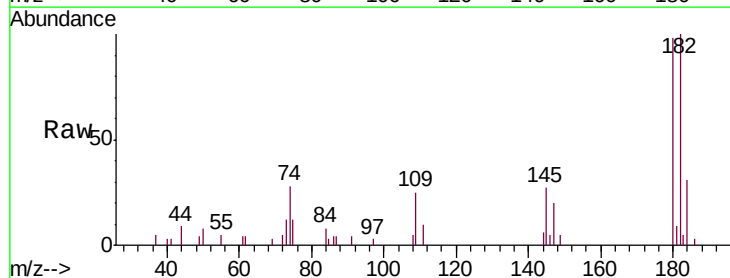


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

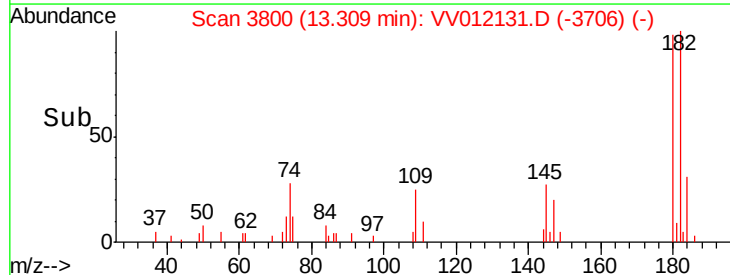
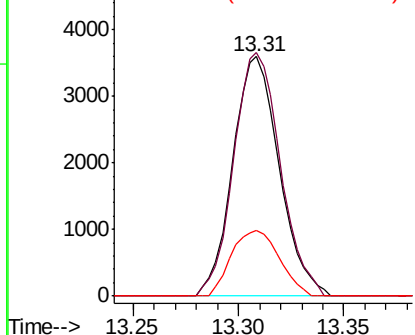


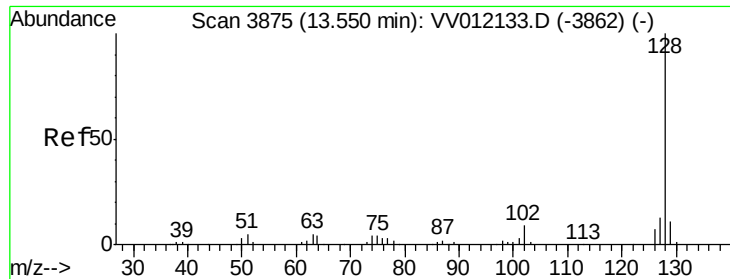
#68
 1,2,4-trichlorobenzene
 Concen: 0.484 ug/L
 RT: 13.31 min Scan# 3800
 Delta R.T. 0.00 min
 Lab File: VV012131.D
 Acq: 08 Aug 2019 18:07

Tgt Ion:180 Resp: 5499
 Ion Ratio Lower Upper
 180 100
 182 102.1 76.6 115.0
 145 28.2 23.4 35.2



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 0.544 ug/L

RT: 13.55 min Scan# 3875

Delta R.T. 0.00 min

Lab File: VV012131.D

Acq: 08 Aug 2019 18:07

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.534

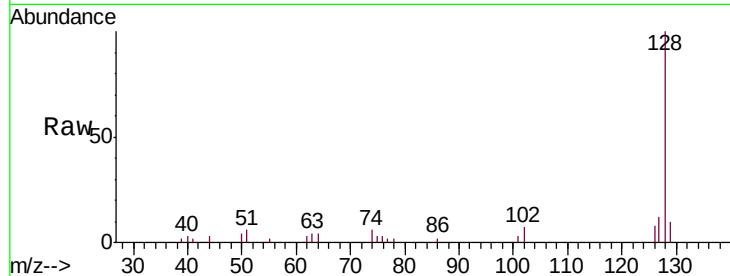
Tgt Ion:128 Resp: 8647

Ion Ratio Lower Upper

128 100

129 11.9 9.0 13.4

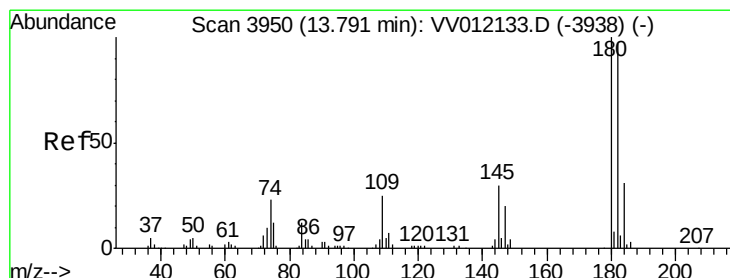
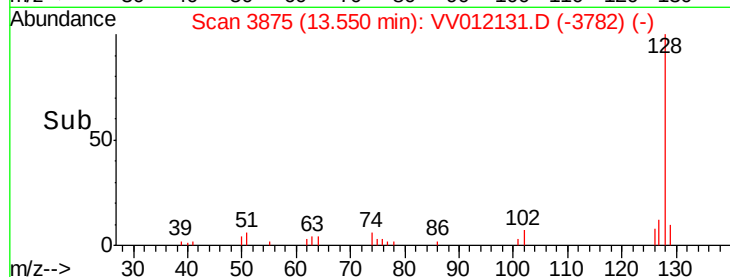
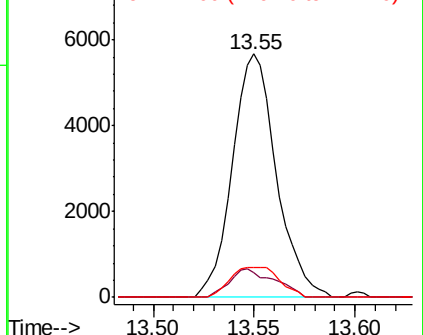
127 13.9 10.6 15.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 0.547 ug/L

RT: 13.79 min Scan# 3950

Delta R.T. 0.00 min

Lab File: VV012131.D

Acq: 08 Aug 2019 18:07

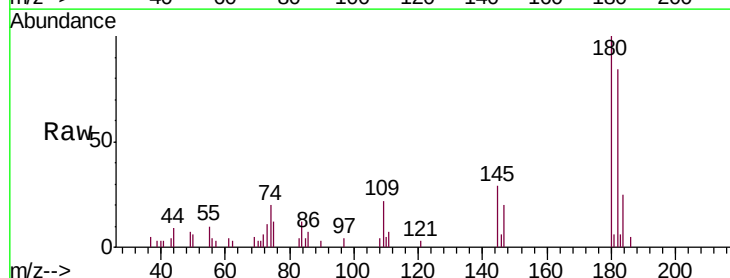
Tgt Ion:180 Resp: 5559

Ion Ratio Lower Upper

180 100

182 91.0 77.9 116.9

145 30.6 24.9 37.3



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

