

Data File : VV013298.D
Acq On : 23 Oct 2019 12:22
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00ML/MSVOA_V/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VICV64

Quant Time: Oct 24 03:08:14 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM102319WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Oct 24 02:50:44 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	1365541	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	1271738	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	661549	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	376281	41.57	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	83.14%
7) Chloroethane-d5	1.58	69	291021	41.65	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	83.30%
11) 1,1-Dichloroethene-d2	2.12	63	570742	43.09	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.18%
21) 2-Butanone-d5	3.96	46	587764	96.91	ug/L	0.01
Spiked Amount	100.000	Range	40 - 130	Recovery	=	96.91%
24) Chloroform-d	4.39	84	852319	43.69	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.38%
26) 1,2-Dichloroethane-d4	5.08	65	508193	43.87	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.74%
32) Benzene-d6	5.09	84	1778120	45.41	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.82%
36) 1,2-Dichloropropane-d6	6.11	67	533711	44.02	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	88.04%
41) Toluene-d8	7.35	98	1668721	47.27	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.54%
43) trans-1,3-Dichloropropene-	7.66	79	252798	47.26	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.52%
47) 2-Hexanone-d5	8.13	63	373523	101.72	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	101.72%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	707075	44.12	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	88.24%
64) 1,2-Dichlorobenzene-d4	11.67	152	665583	43.84	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.68%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	568008	48.380 ug/L	99
3) Chloromethane	1.25	50	394467	44.587 ug/L	100
5) Vinyl chloride	1.32	62	440272	48.229 ug/L	98
6) Bromomethane	1.53	94	231768	49.528 ug/L	97
8) Chloroethane	1.60	64	219080	42.710 ug/L	99
9) Trichlorofluoromethane	1.77	101	548601	43.212 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	322358	44.923 ug/L	99
12) 1,1-Dichloroethene	2.13	96	317765	45.964 ug/L	95
13) Acetone	2.24	43	303969	67.823 ug/L	76
14) Carbon disulfide	2.31	76	1152302	48.112 ug/L	100
15) Methyl Acetate	2.47	43	443511	47.544 ug/L	98
16) Methylene chloride	2.53	84	478652	46.580 ug/L	98
17) trans-1,2-Dichloroethene	2.78	96	452901	47.465 ug/L	99
18) Methyl tert-butyl Ether	2.80	73	1320216	47.764 ug/L	99
19) 1,1-Dichloroethane	3.22	63	808326	46.888 ug/L	99
20) cis-1,2-Dichloroethene	3.96	96	503283	48.669 ug/L	98
22) 2-Butanone	4.05	43	636908	99.108 ug/L	94

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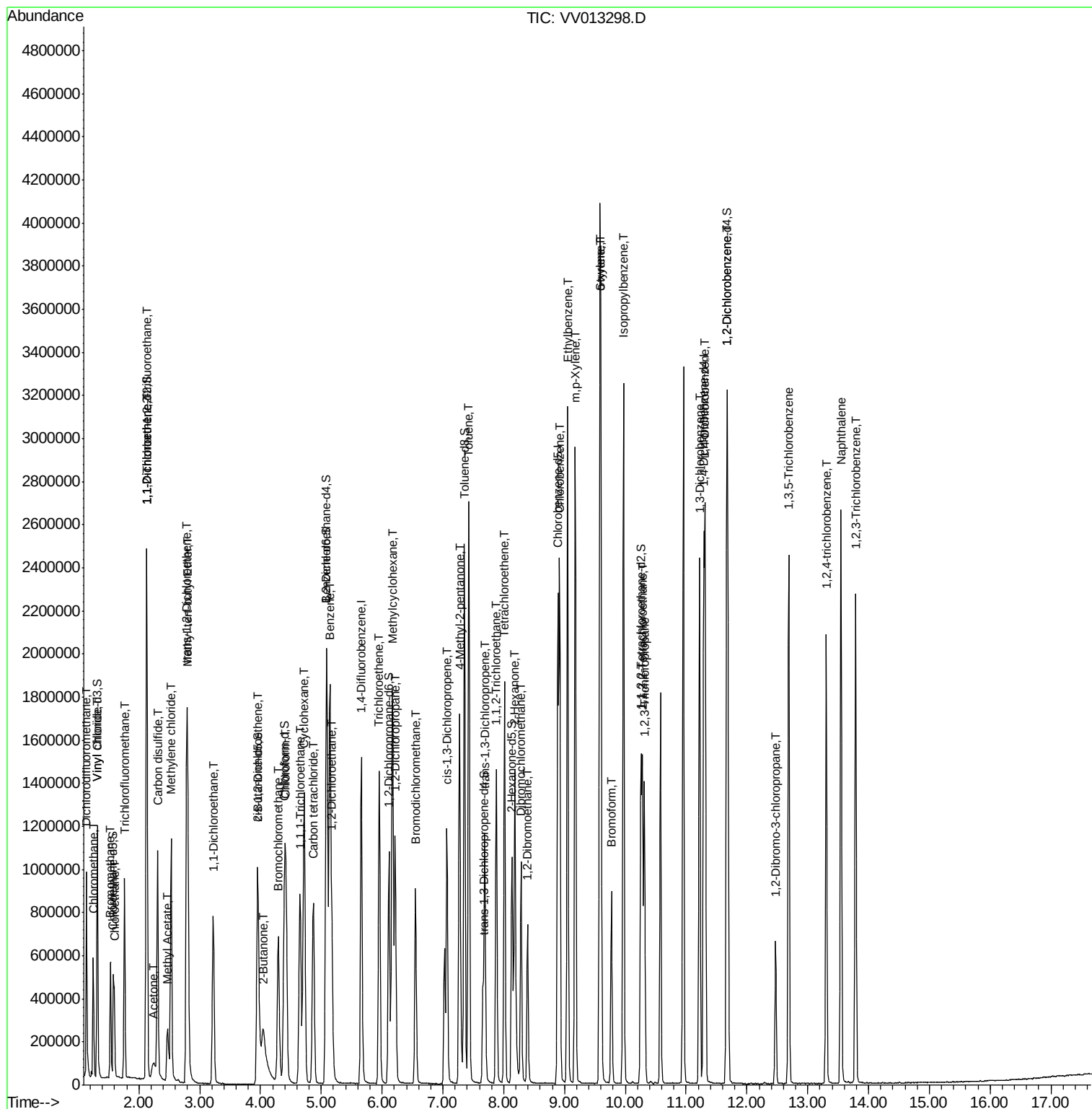
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.29	128	266602	47.637	ug/L	99
25) Chloroform	4.42	83	823832	46.697	ug/L	100
27) 1,2-Dichloroethane	5.17	62	614420	47.787	ug/L	98
29) Cyclohexane	4.72	56	753333	51.121	ug/L	98
30) 1,1,1-Trichloroethane	4.65	97	719917	48.914	ug/L	99
31) Carbon tetrachloride	4.87	117	650482	49.020	ug/L	100
33) Benzene	5.14	78	1865257	48.289	ug/L	100
34) Trichloroethene	5.95	95	490903	48.541	ug/L	98
35) Methylcyclohexane	6.17	83	789960	51.392	ug/L	100
37) 1,2-Dichloropropane	6.22	63	473665	48.683	ug/L	99
38) Bromodichloromethane	6.55	83	617685	48.206	ug/L	100
39) cis-1,3-Dichloropropene	7.06	75	735033	50.530	ug/L	100
40) 4-Methyl-2-pentanone	7.27	43	1278156	105.712	ug/L	100
42) Toluene	7.43	91	2009735	50.750	ug/L	99
44) trans-1,3-Dichloropropene	7.69	75	653853	52.557	ug/L	99
45) 1,1,2-Trichloroethane	7.88	97	468274	48.885	ug/L	99
46) Tetrachloroethene	8.01	164	458989	50.886	ug/L	97
48) 2-Hexanone	8.18	43	981874	100.044	ug/L	98
49) Dibromochloromethane	8.29	129	535036	49.302	ug/L	100
50) 1,2-Dibromoethane	8.39	107	492986	48.432	ug/L	97
51) Chlorobenzene	8.92	112	1309155	48.616	ug/L	99
52) Ethylbenzene	9.05	91	2161811	51.673	ug/L	99
53) m,p-Xylene	9.18	106	841320	51.779	ug/L	100
54) o-xylene	9.58	106	828104	52.262	ug/L	100
55) Styrene	9.60	104	1417868	52.762	ug/L	99
56) Isopropylbenzene	9.97	105	2140204	52.864	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.28	83	699356	47.419	ug/L	100
59) 1,2,3-Trichloropropane	10.32	75	573201	47.231	ug/L	100
61) Bromoform	9.77	173	416513	48.238	ug/L	100
62) 1,3-Dichlorobenzene	11.22	146	1074065	50.289	ug/L	99
63) 1,4-Dichlorobenzene	11.31	146	1064938	48.003	ug/L	99
65) 1,2-Dichlorobenzene	11.68	146	1076823	48.906	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.47	75	148689	48.143	ug/L	98
67) 1,3,5-Trichlorobenzene	12.69	180	821744	51.089	ug/L	100
68) 1,2,4-trichlorobenzene	13.31	180	696338	51.581	ug/L	99
69) Naphthalene	13.55	128	2097697	57.382	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	759533	52.519	ug/L	99

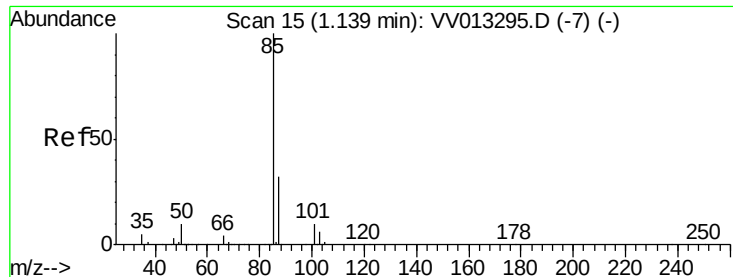
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 48.380 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV013298.D

Acq: 23 Oct 2019 12:22

Instrument :

MSVOA_V

ClientSampleId :

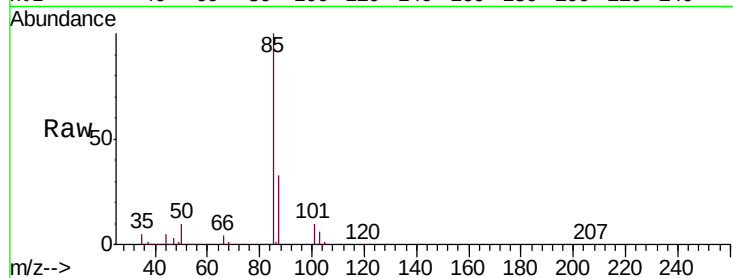
VICV64

Tgt Ion: 85 Resp: 568008

Ion Ratio Lower Upper

85 100

87 32.7 25.8 38.8



Abundance Ion 85.00 (84.70 to 85.70): VV013298.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VV013298.D (-7) (-)

1.14

600000

500000

400000

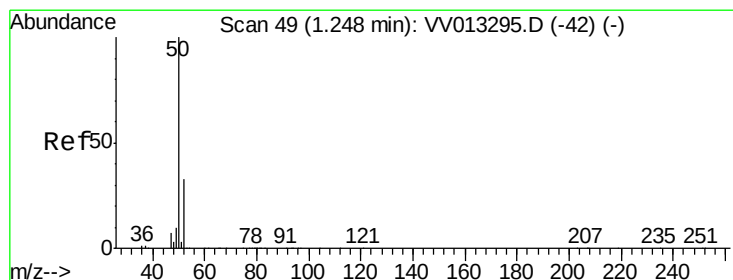
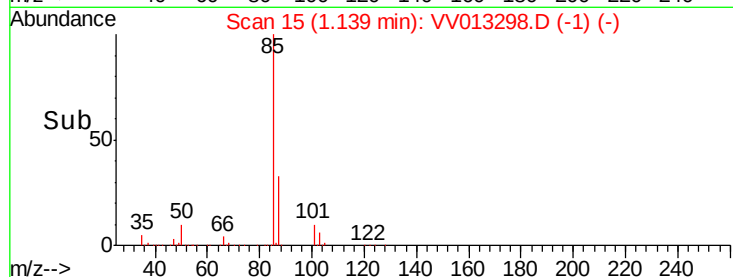
300000

200000

100000

0

Time-->



#3

Chloromethane

Concen: 44.587 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV013298.D

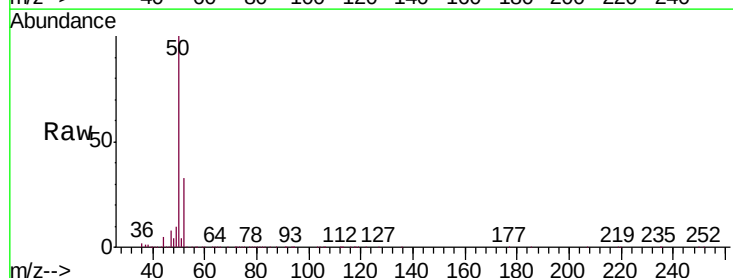
Acq: 23 Oct 2019 12:22

Tgt Ion: 50 Resp: 394467

Ion Ratio Lower Upper

50 100

52 33.1 23.2 43.2



Abundance Ion 50.00 (49.70 to 50.70): VV013298.D (-42) (-)

Ion 52.00 (51.70 to 52.70): VV013298.D (-42) (-)

1.25

400000

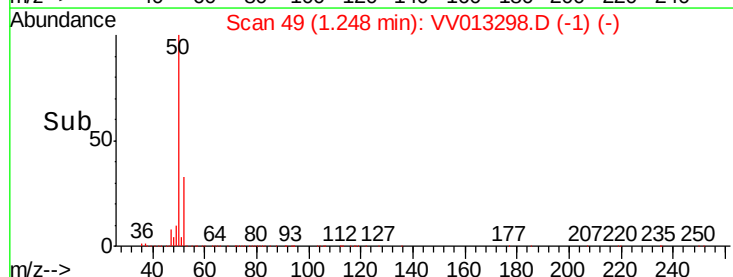
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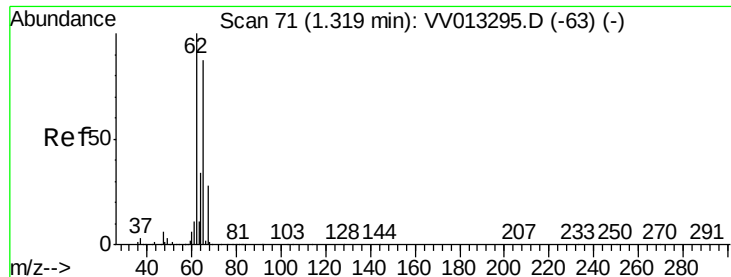
200000

100000

0

Time-->





#5

Vinyl chloride

Concen: 48.229 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV013298.D

Acq: 23 Oct 2019 12:22

Instrument :

MSVOA_V

ClientSampleId :

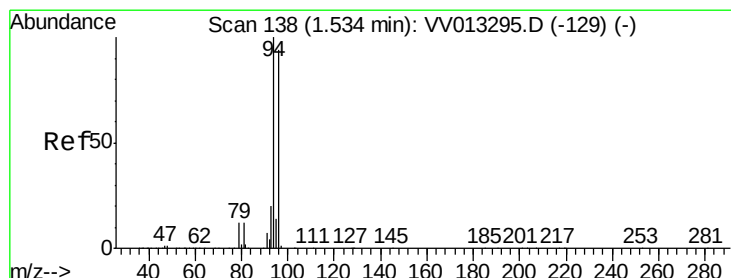
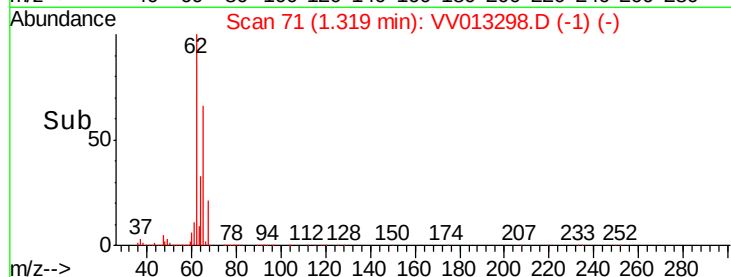
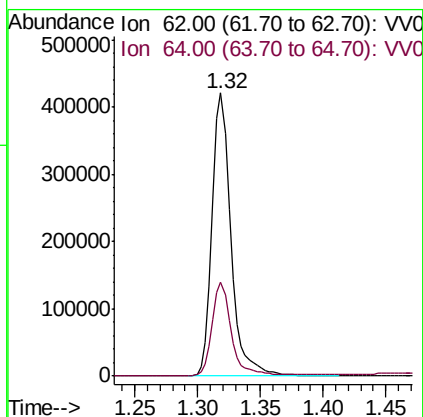
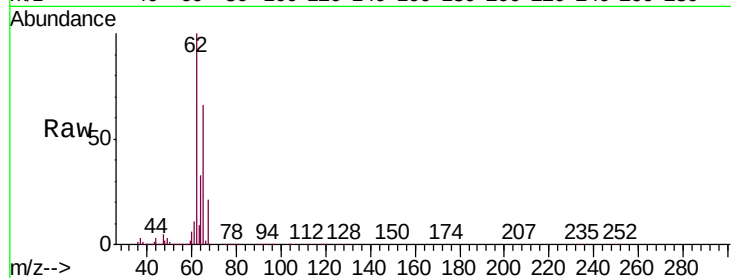
VICV64

Tgt Ion: 62 Resp: 440272

Ion Ratio Lower Upper

62 100

64 33.1 23.9 44.3



#6

Bromomethane

Concen: 49.528 ug/L

RT: 1.53 min Scan# 137

Delta R.T. -0.00 min

Lab File: VV013298.D

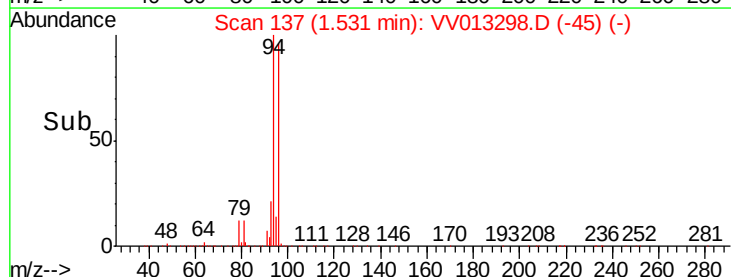
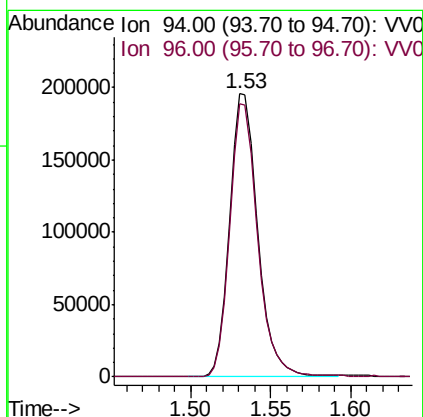
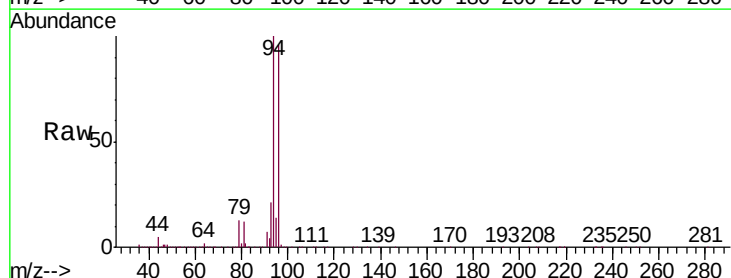
Acq: 23 Oct 2019 12:22

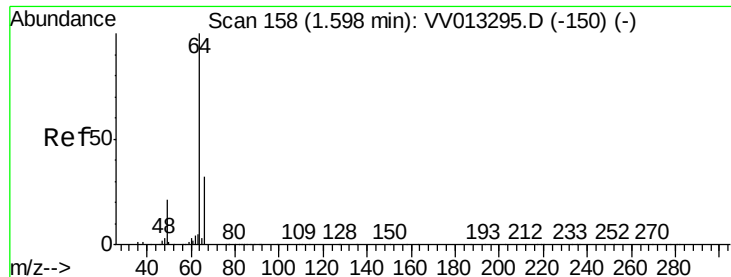
Tgt Ion: 94 Resp: 231768

Ion Ratio Lower Upper

94 100

96 96.4 65.7 121.9





#8

Chloroethane

Concen: 42.710 ug/L

RT: 1.60 min Scan# 157

Delta R.T. -0.00 min

Lab File: VV013298.D

Acq: 23 Oct 2019 12:22

Instrument :

MSVOA_V

ClientSampleId :

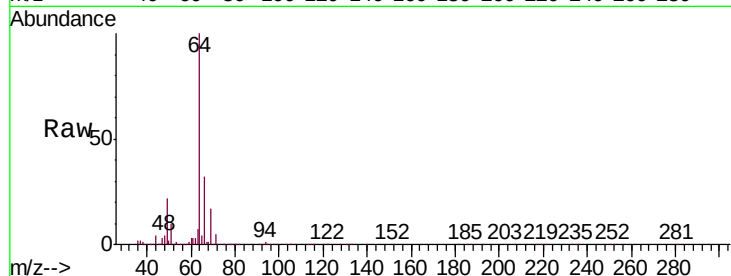
VICV64

Tgt Ion: 64 Resp: 219080

Ion Ratio Lower Upper

64 100

66 32.2 22.3 41.3



Abundance Ion 64.00 (63.70 to 64.70): VV013298.D (-150) (-)

Ion 66.00 (65.70 to 66.70): VV013298.D (-150) (-)

1.60

200000

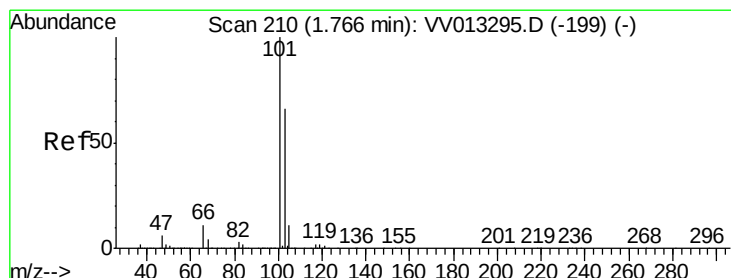
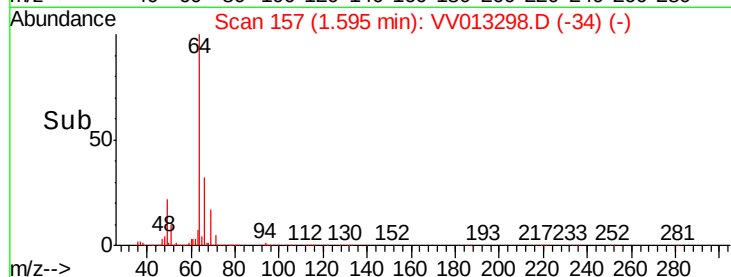
150000

100000

50000

0

Time-->



#9

Trichlorofluoromethane

Concen: 43.212 ug/L

RT: 1.77 min Scan# 210

Delta R.T. 0.00 min

Lab File: VV013298.D

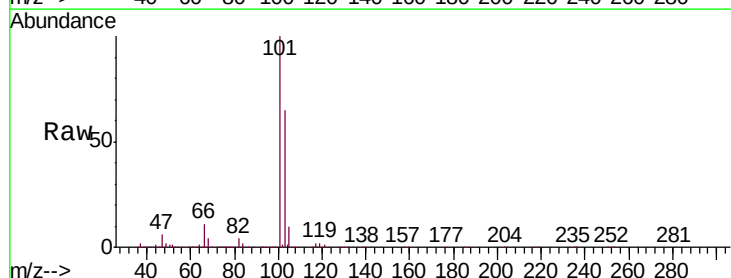
Acq: 23 Oct 2019 12:22

Tgt Ion: 101 Resp: 548601

Ion Ratio Lower Upper

101 100

103 65.1 53.0 79.4



Abundance Ion 101.00 (100.70 to 101.70): VV013298.D (-199) (-)

Ion 103.00 (102.70 to 103.70): VV013298.D (-199) (-)

1.77

500000

400000

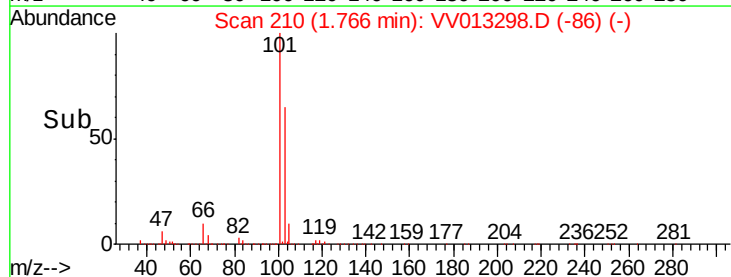
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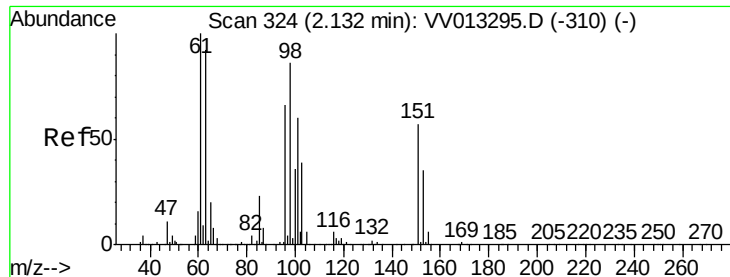
200000

100000

0

Time-->





#10

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

Concen: 44.923 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV013298.D

Acq: 23 Oct 2019 12:22

Instrument :

MSVOA_V

ClientSampled :

VICV64

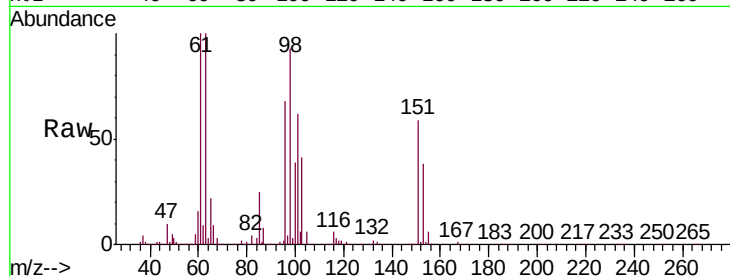
Tgt Ion: 101 Resp: 322358

Ion Ratio Lower Upper

101 100

85 39.4 31.4 47.2

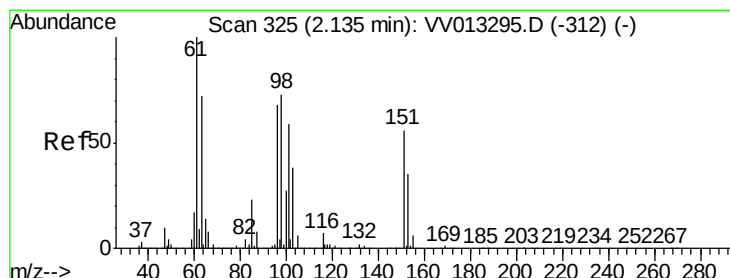
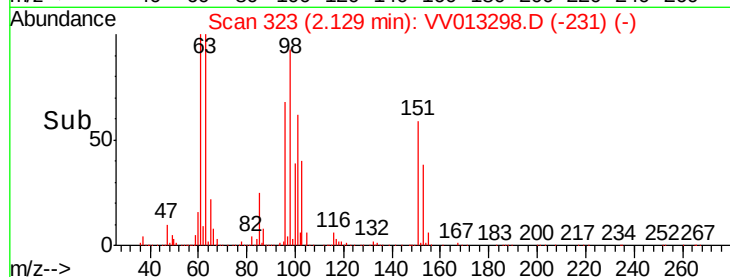
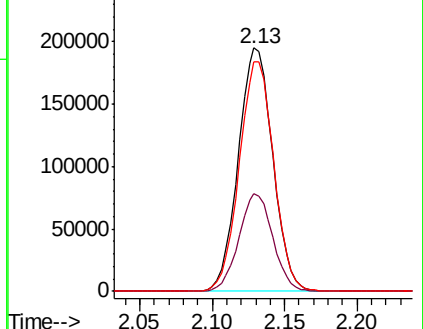
151 94.5 74.6 112.0



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: 45.964 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV013298.D

Acq: 23 Oct 2019 12:22

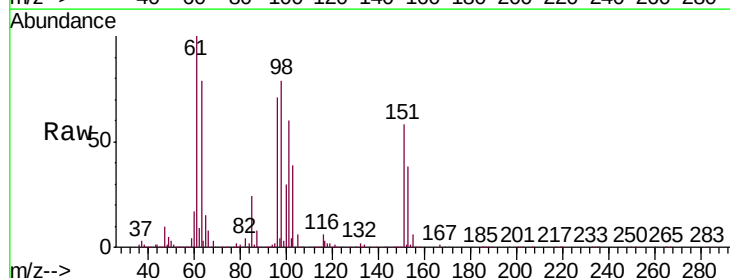
Tgt Ion: 96 Resp: 317765

Ion Ratio Lower Upper

96 100

61 140.7 103.3 191.8

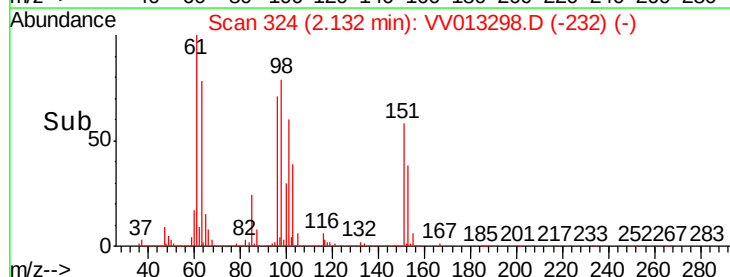
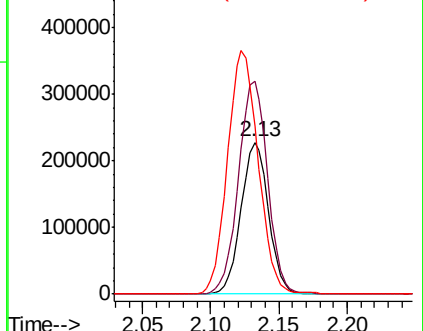
63 110.5 74.8 138.8

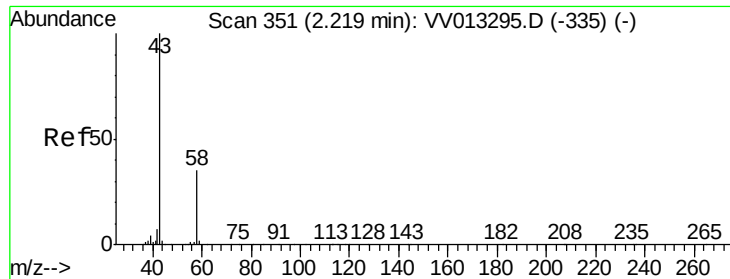


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 67.823 ug/L

RT: 2.24 min Scan# 358

Delta R.T. 0.02 min

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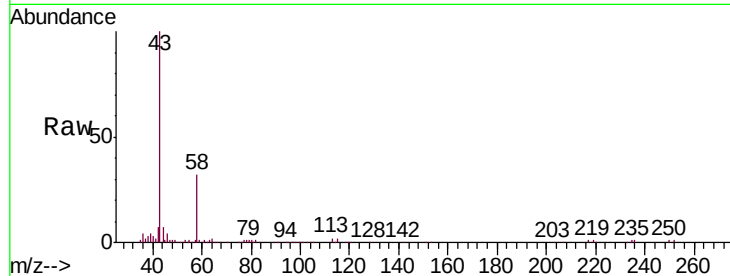
VICV64

Tgt Ion: 43 Resp: 303969

Ion Ratio Lower Upper

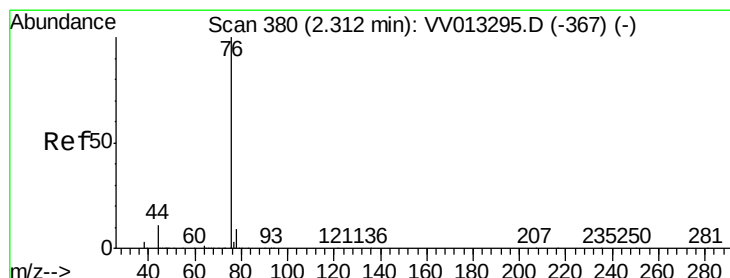
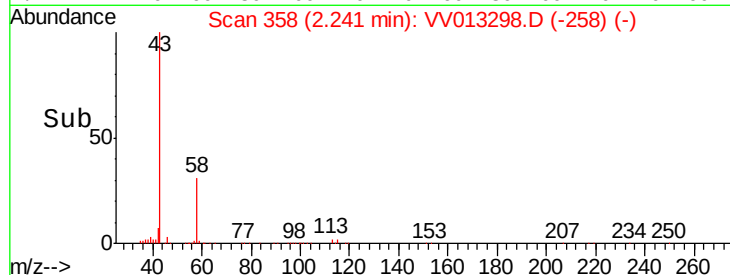
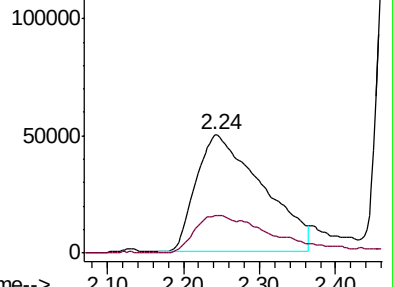
43 100

58 18.6 0.0 64.0



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0



#14

Carbon disulfide

Concen: 48.112 ug/L

RT: 2.31 min Scan# 379

Delta R.T. -0.00 min

Lab File: VV013298.D

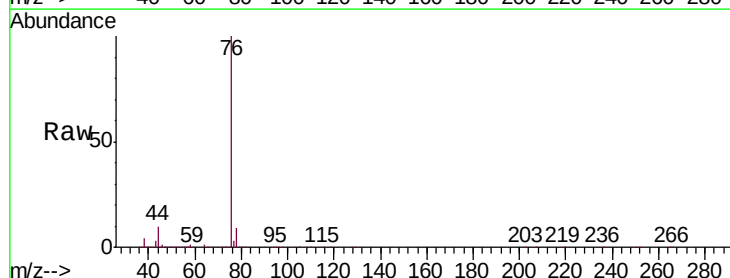
Acq: 23 Oct 2019 12:22

Tgt Ion: 76 Resp: 1152302

Ion Ratio Lower Upper

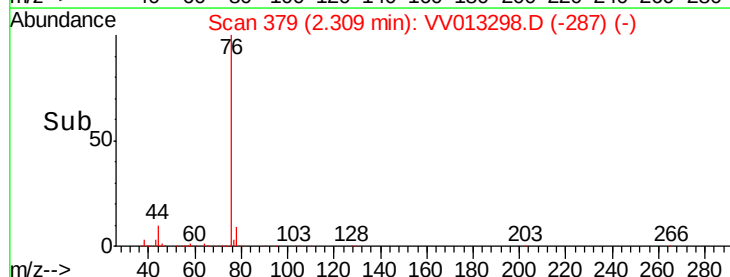
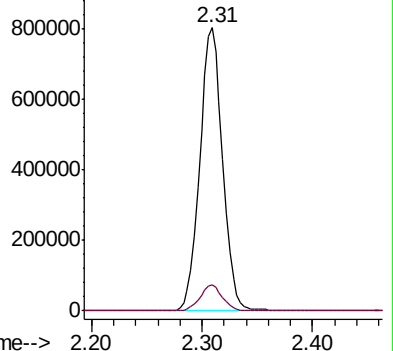
76 100

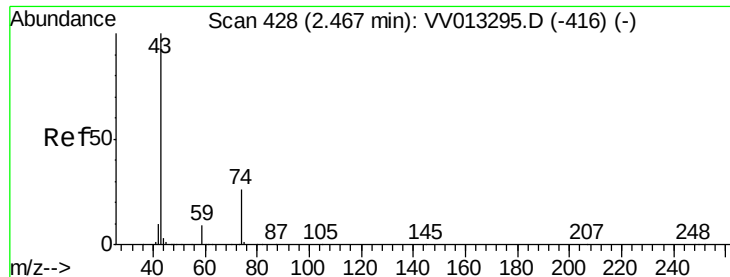
78 9.2 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VV0

Ion 78.00 (77.70 to 78.70): VV0

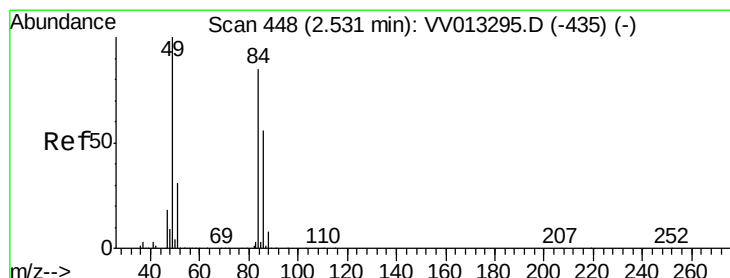
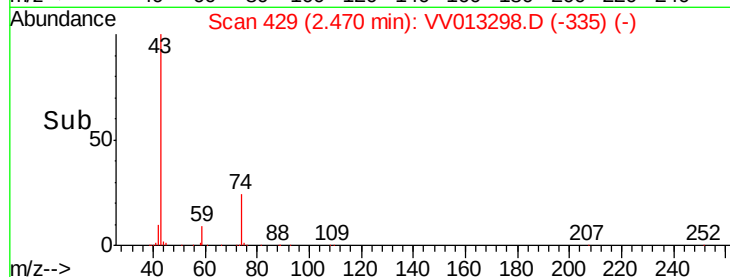
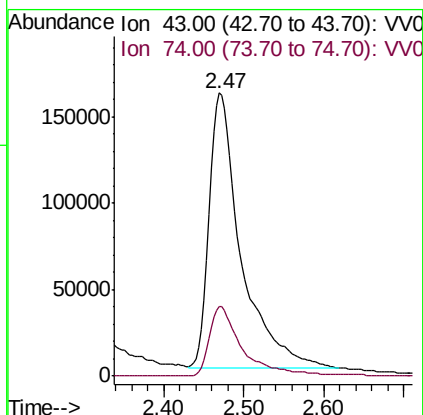
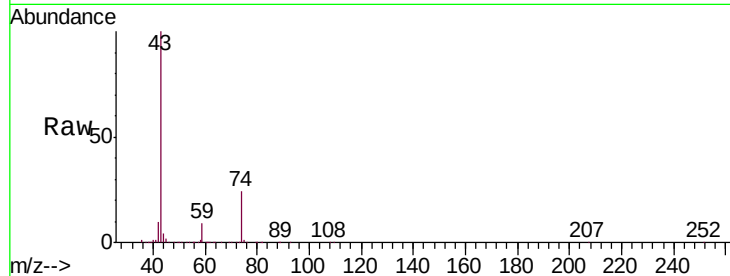




#15
Methyl Acetate
Concen: 47.544 ug/L
RT: 2.47 min Scan# 429
Delta R.T. 0.00 min
Lab File: VV013298.D
Acq: 23 Oct 2019 12:22

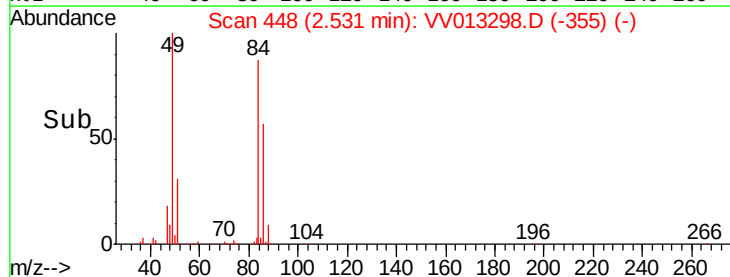
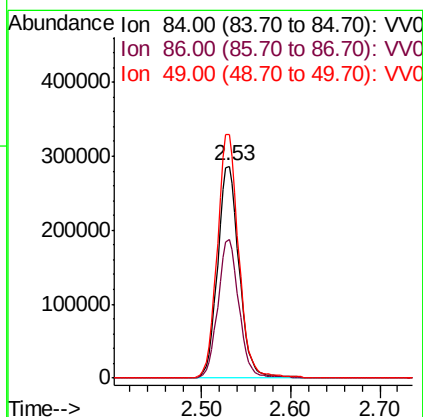
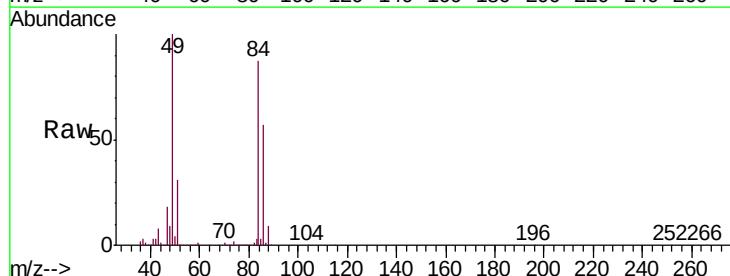
Instrument :
MSVOA_V
ClientSampleId :
VICV64

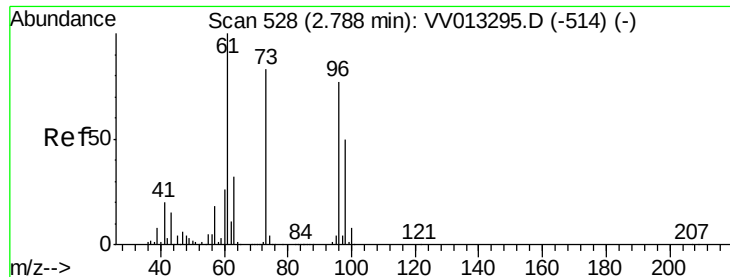
Tgt Ion: 43 Resp: 443511
Ion Ratio Lower Upper
43 100
74 24.8 20.6 31.0



#16
Methylene chloride
Concen: 46.580 ug/L
RT: 2.53 min Scan# 448
Delta R.T. -0.00 min
Lab File: VV013298.D
Acq: 23 Oct 2019 12:22

Tgt Ion: 84 Resp: 478652
Ion Ratio Lower Upper
84 100
86 65.6 46.2 85.8
49 114.9 82.7 153.5





#17

trans-1,2-Dichloroethene

Concen: 47.465 ug/L

RT: 2.78 min Scan# 527

Delta R.T. -0.00 min

Lab File: VV013298.D

Acq: 23 Oct 2019 12:22

Instrument :

MSVOA_V

ClientSampleId :

VICV64

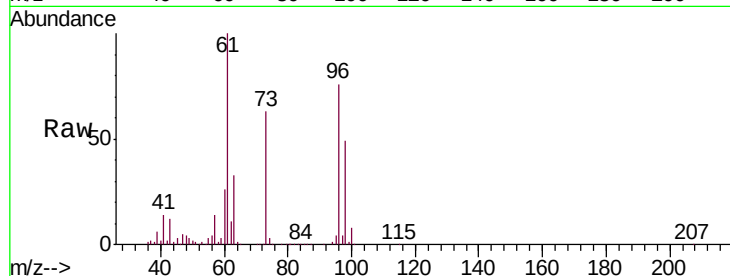
Tgt Ion: 96 Resp: 452901

Ion Ratio Lower Upper

96 100

61 131.3 91.2 169.4

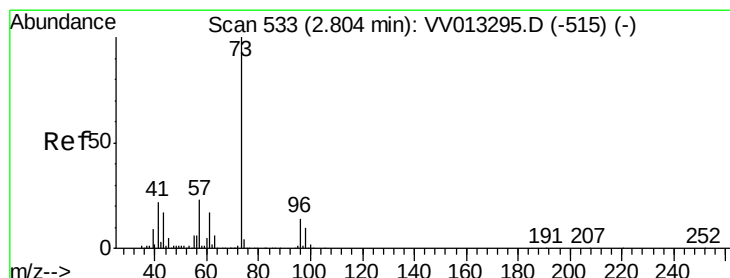
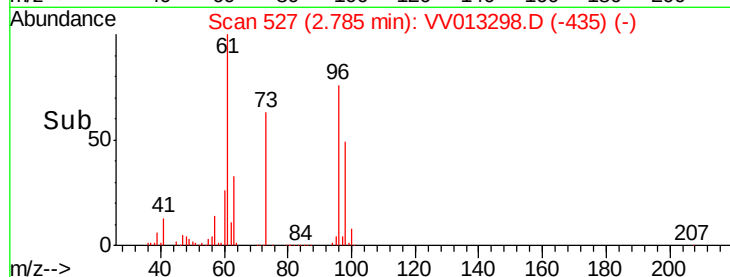
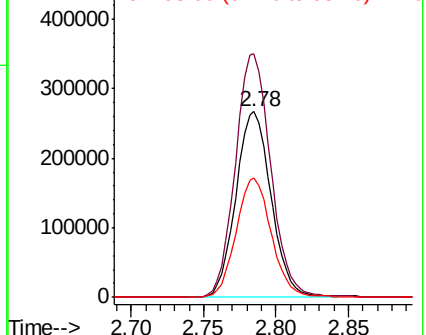
98 64.5 45.7 84.9



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: 47.764 ug/L

RT: 2.80 min Scan# 533

Delta R.T. 0.00 min

Lab File: VV013298.D

Acq: 23 Oct 2019 12:22

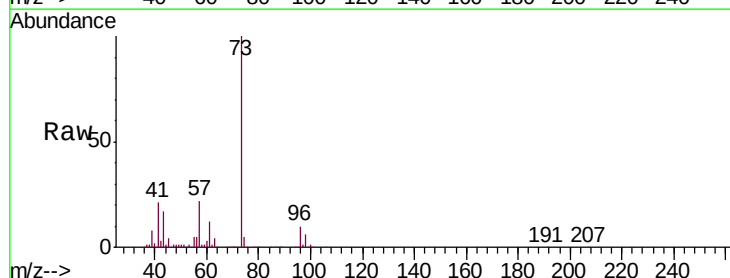
Tgt Ion: 73 Resp: 1320216

Ion Ratio Lower Upper

73 100

43 16.7 14.2 21.2

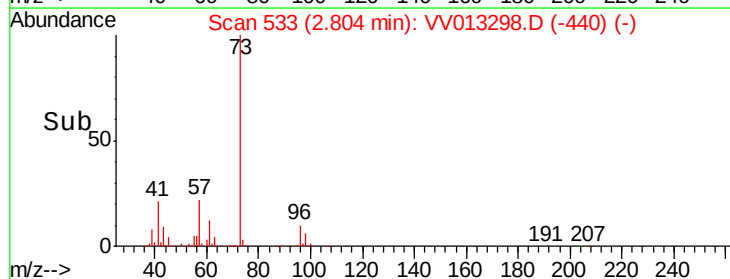
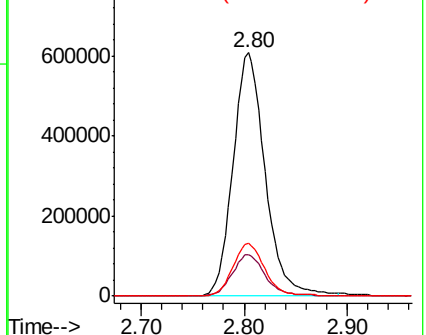
57 21.6 17.6 26.4

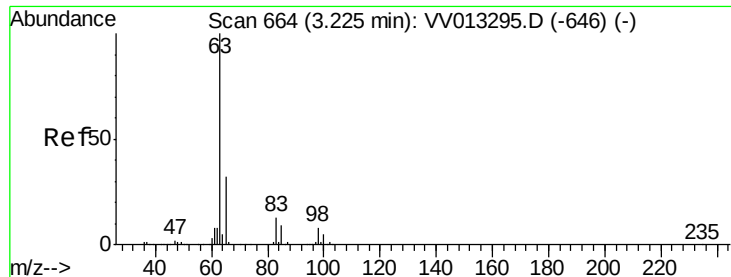


Abundance Ion 73.00 (72.70 to 73.70): VV0

Ion 43.00 (42.70 to 43.70): VV0

Ion 57.00 (56.70 to 57.70): VV0

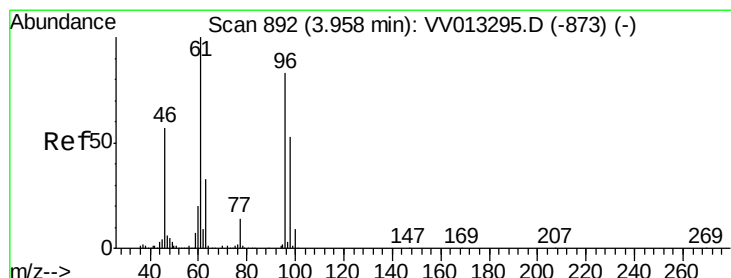
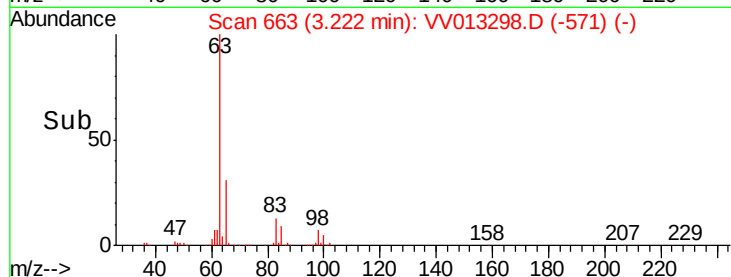
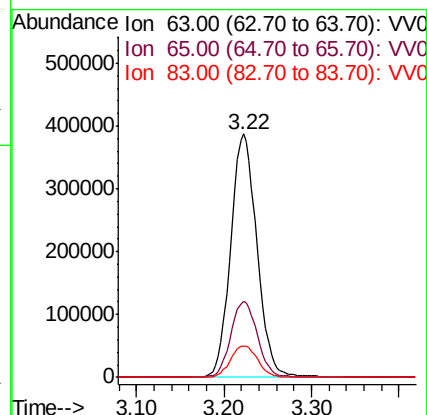
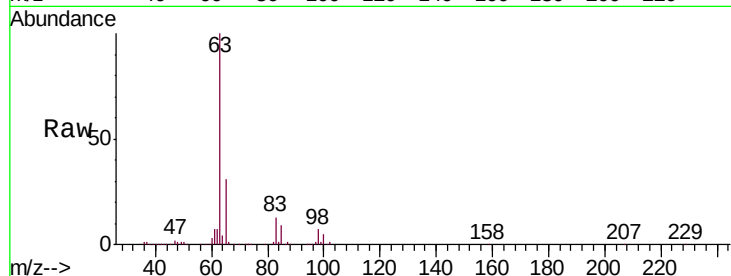




#19
 1,1-Dichloroethane
 Concen: 46.888 ug/L
 RT: 3.22 min Scan# 663
 Delta R.T. -0.00 min
 Lab File: VV013298.D
 Acq: 23 Oct 2019 12:22

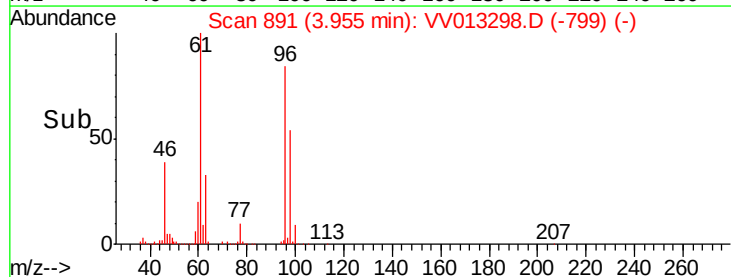
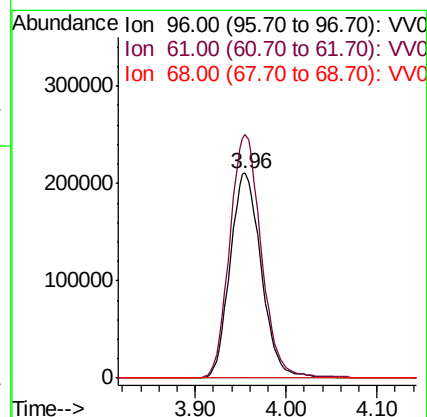
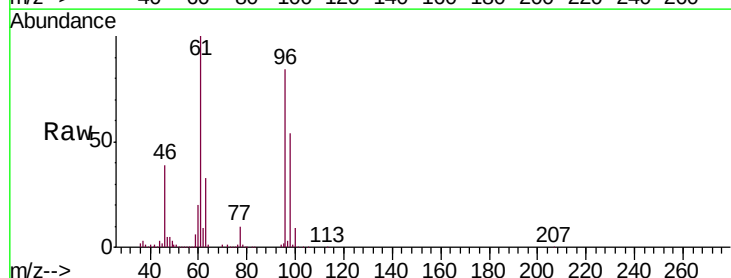
Instrument :
 MSVOA_V
 ClientSampleId :
 VICV64

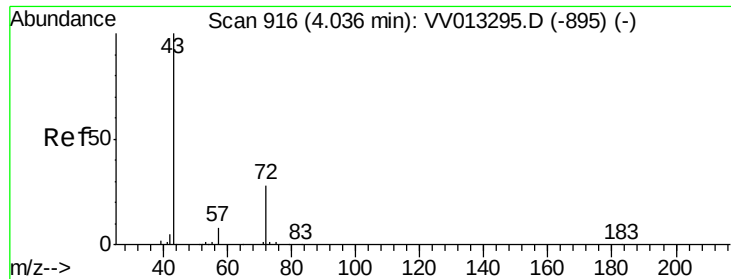
Tgt Ion: 63 Resp: 808326
 Ion Ratio Lower Upper
 63 100
 65 31.2 22.5 41.7
 83 13.0 9.2 17.2



#20
 cis-1,2-Dichloroethene
 Concen: 48.669 ug/L
 RT: 3.96 min Scan# 891
 Delta R.T. -0.00 min
 Lab File: VV013298.D
 Acq: 23 Oct 2019 12:22

Tgt Ion: 96 Resp: 503283
 Ion Ratio Lower Upper
 96 100
 61 118.8 84.8 157.4
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 99.108 ug/L

RT: 4.05 min Scan# 919

Delta R.T. 0.01 min

Lab File: VV013298.D

Acq: 23 Oct 2019 12:22

Instrument :

MSVOA_V

ClientSampled :

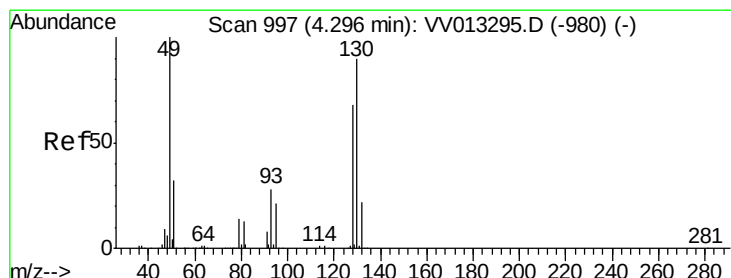
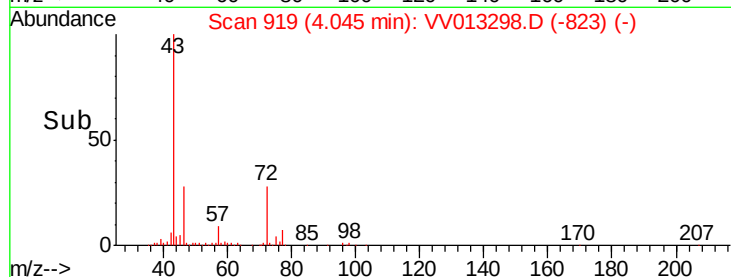
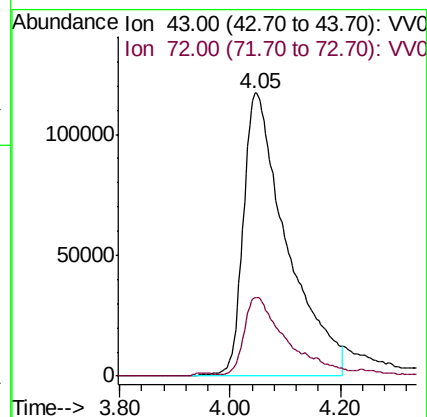
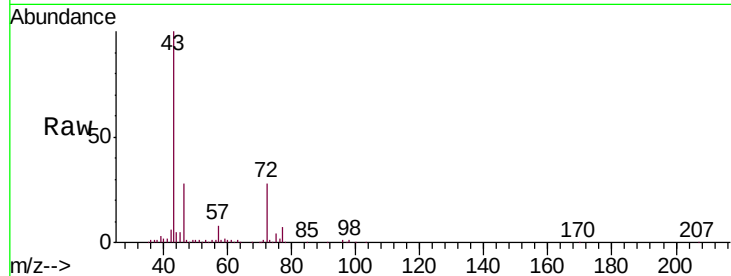
VICV64

Tgt Ion: 43 Resp: 636908

Ion Ratio Lower Upper

43 100

72 22.8 13.0 38.9



#23

Bromochloromethane

Concen: 47.637 ug/L

RT: 4.29 min Scan# 996

Delta R.T. -0.00 min

Lab File: VV013298.D

Acq: 23 Oct 2019 12:22

Tgt Ion: 128 Resp: 266602

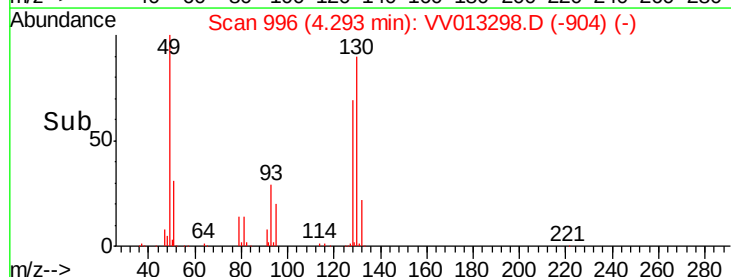
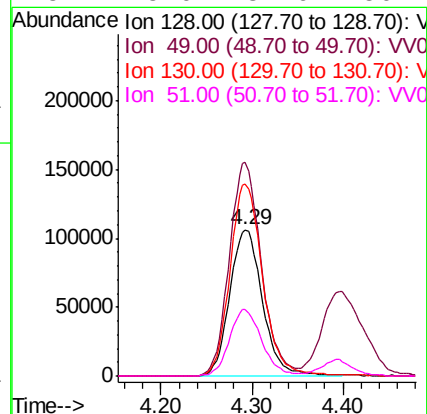
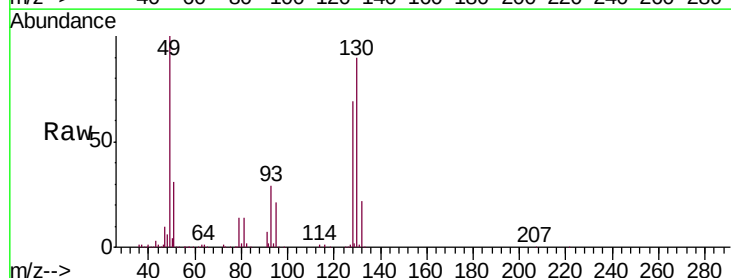
Ion Ratio Lower Upper

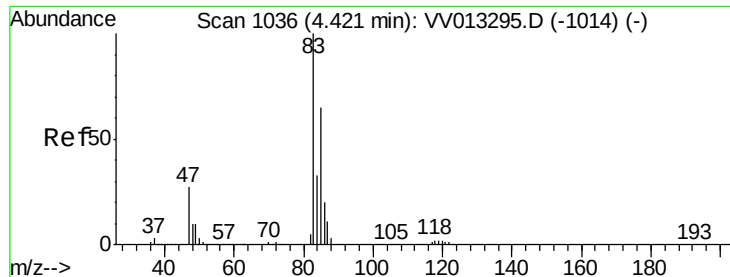
128 100

49 145.9 103.1 191.5

130 131.2 92.5 171.7

51 45.0 37.6 56.4

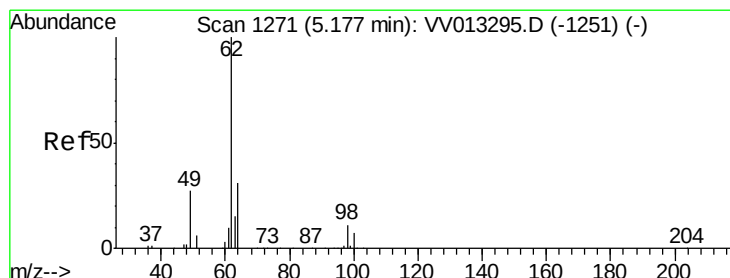
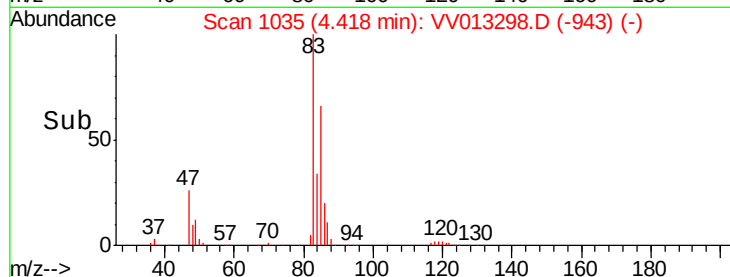
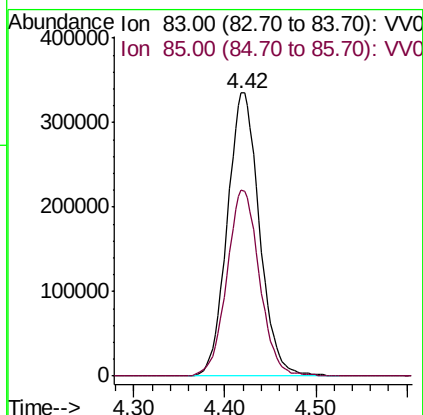
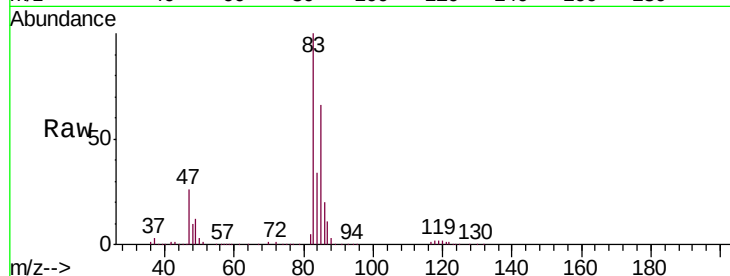




#25
Chloroform
Concen: 46.697 ug/L
RT: 4.42 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VV013298.D
Acq: 23 Oct 2019 12:22

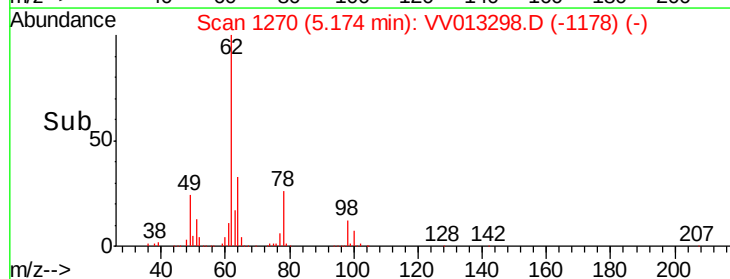
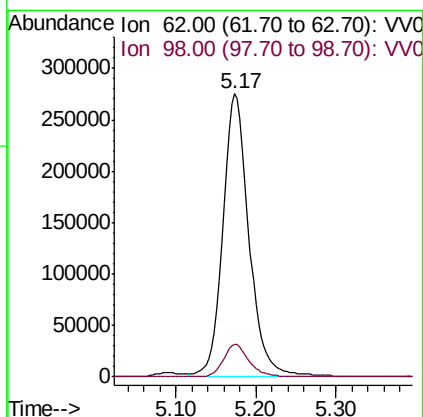
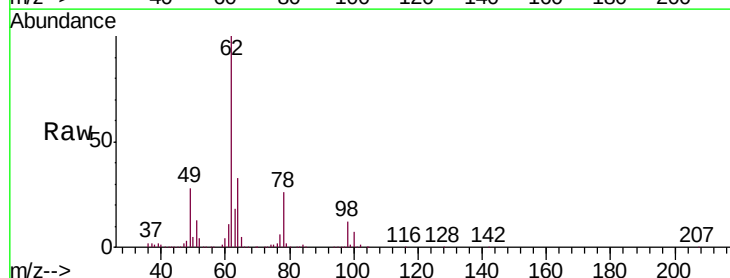
Instrument :
MSVOA_V
ClientSampleId :
VICV64

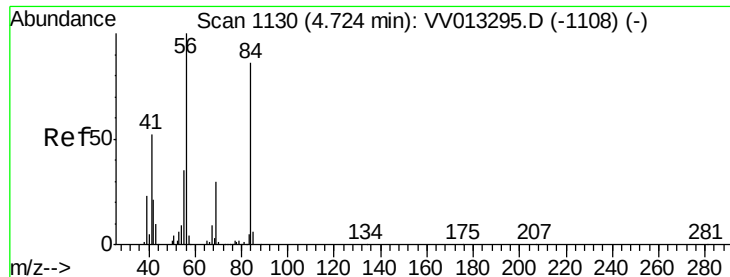
Tgt Ion: 83 Resp: 823832
Ion Ratio Lower Upper
83 100
85 65.6 45.8 85.0



#27
1,2-Dichloroethane
Concen: 47.787 ug/L
RT: 5.17 min Scan# 1270
Delta R.T. -0.00 min
Lab File: VV013298.D
Acq: 23 Oct 2019 12:22

Tgt Ion: 62 Resp: 614420
Ion Ratio Lower Upper
62 100
98 11.5 8.5 12.7

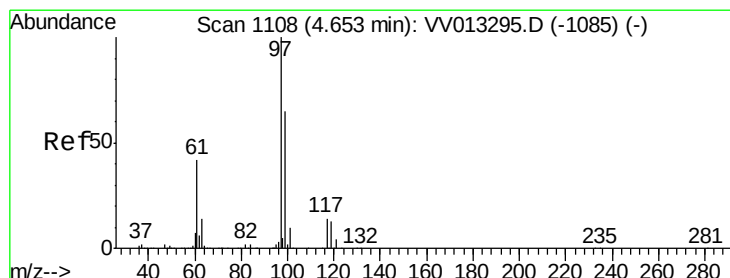
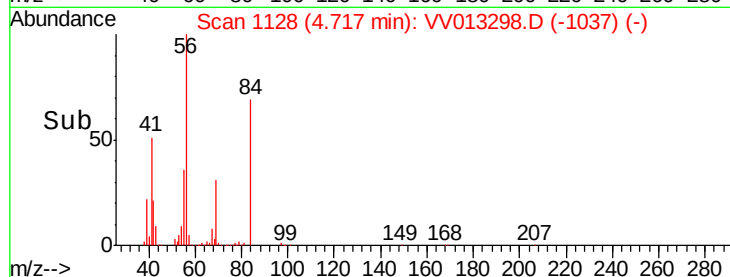
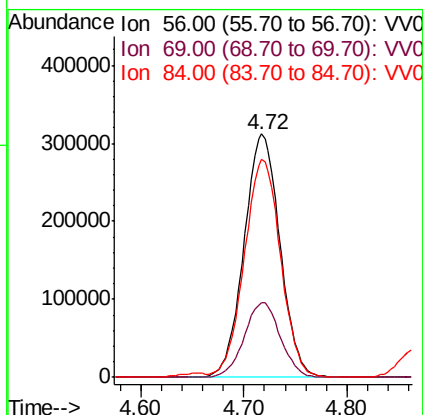
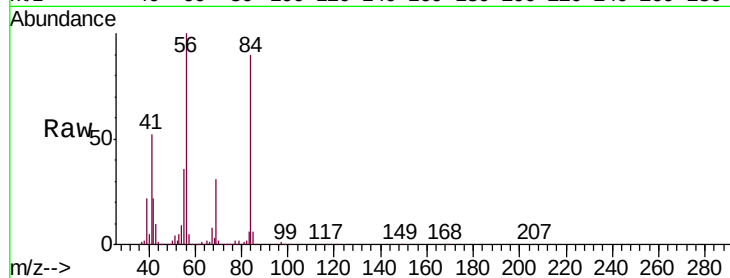




#29
Cyclohexane
Concen: 51.121 ug/L
RT: 4.72 min Scan# 1128
Delta R.T. -0.01 min
Lab File: VV013298.D
Acq: 23 Oct 2019 12:22

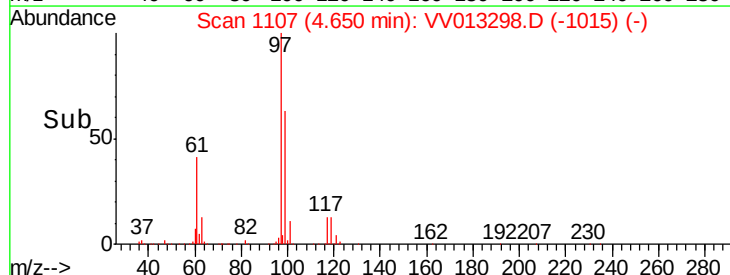
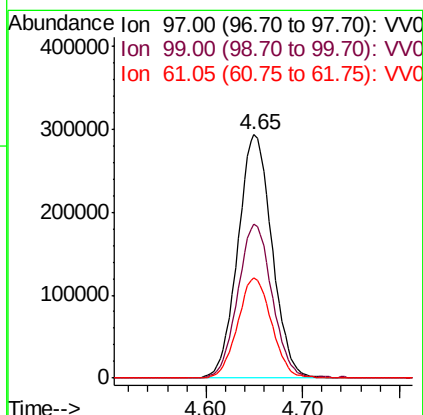
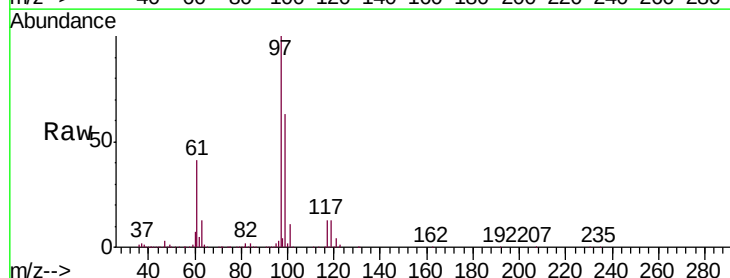
Instrument :
MSVOA_V
ClientSampleId :
VICV64

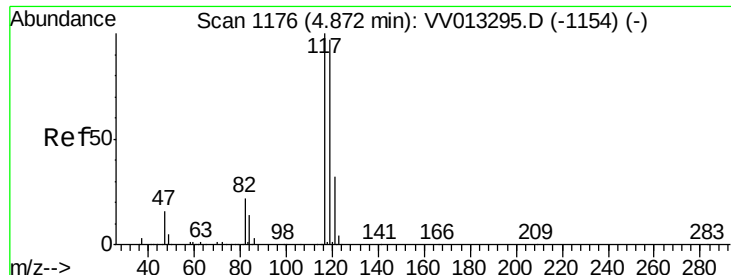
Tgt Ion: 56 Resp: 753333
Ion Ratio Lower Upper
56 100
69 30.9 24.4 36.6
84 90.5 70.5 105.7



#30
1,1,1-Trichloroethane
Concen: 48.914 ug/L
RT: 4.65 min Scan# 1107
Delta R.T. -0.00 min
Lab File: VV013298.D
Acq: 23 Oct 2019 12:22

Tgt Ion: 97 Resp: 719917
Ion Ratio Lower Upper
97 100
99 63.3 51.0 76.6
61 41.1 33.2 49.8

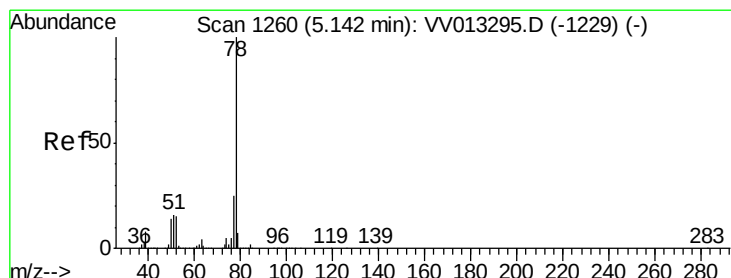
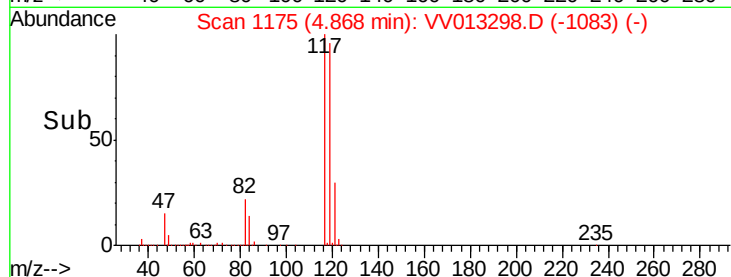
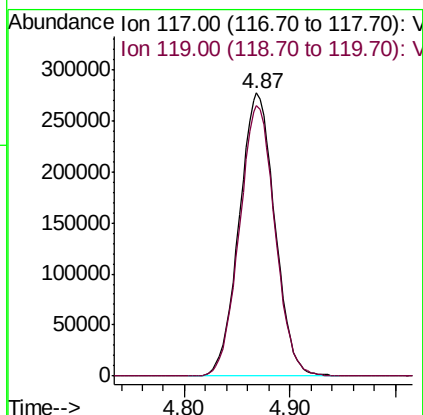
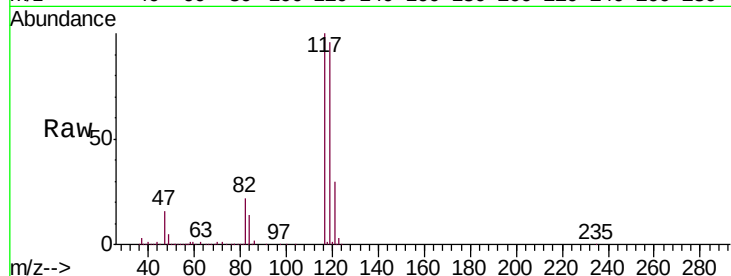




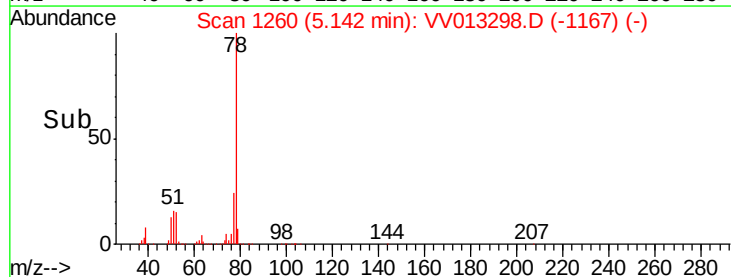
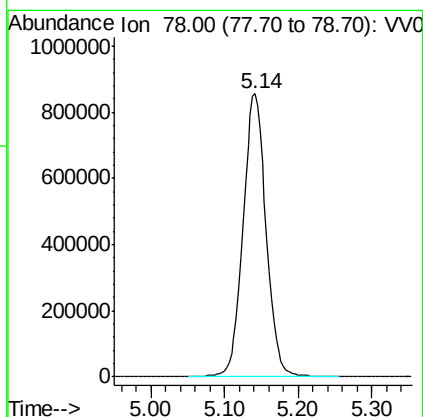
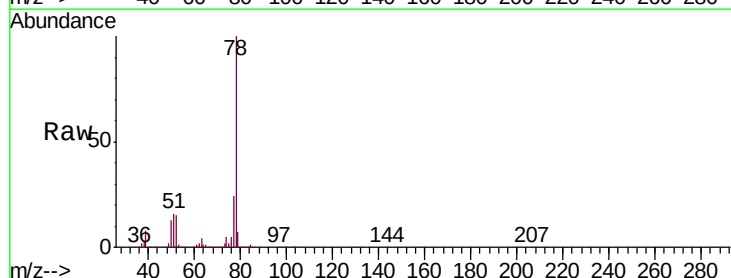
#31
Carbon tetrachloride
Concen: 49.020 ug/L
RT: 4.87 min Scan# 1175
Delta R.T. -0.00 min
Lab File: VV013298.D
Acq: 23 Oct 2019 12:22

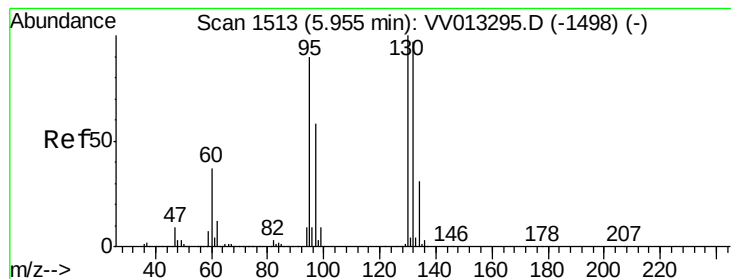
Instrument :
MSVOA_V
ClientSampled :
VICV64

Tgt Ion:117 Resp: 650482
Ion Ratio Lower Upper
117 100
119 95.3 76.6 115.0



#33
Benzene
Concen: 48.289 ug/L
RT: 5.14 min Scan# 1260
Delta R.T. -0.00 min
Lab File: VV013298.D
Acq: 23 Oct 2019 12:22
Tgt Ion: 78 Resp: 1865257





#34

Trichloroethene

Concen: 48.541 ug/L

RT: 5.95 min Scan# 1512

Delta R.T. -0.00 min

Lab File: VV013298.D

Acq: 23 Oct 2019 12:22

Instrument :

MSVOA_V

ClientSampleId :

VICV64

Tgt Ion: 95 Resp: 490903

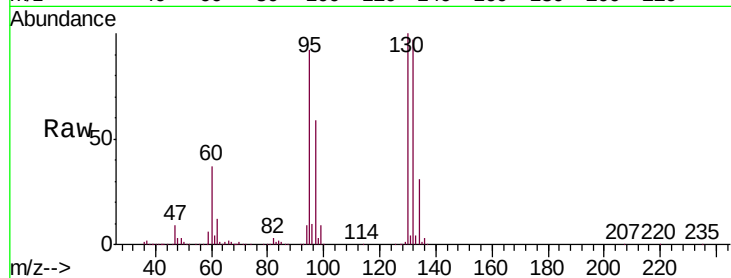
Ion Ratio Lower Upper

95 100

97 64.0 45.3 84.1

132 105.9 75.5 140.1

130 108.6 77.7 144.3

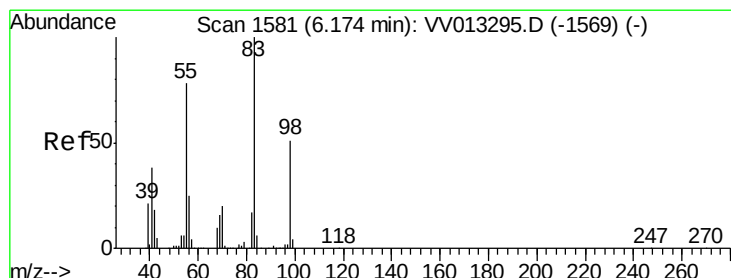
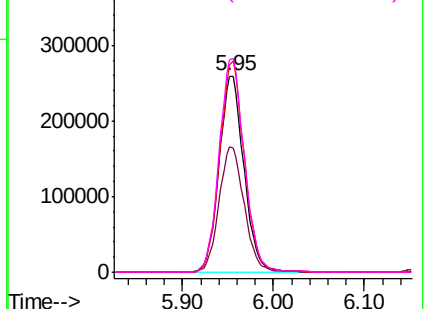
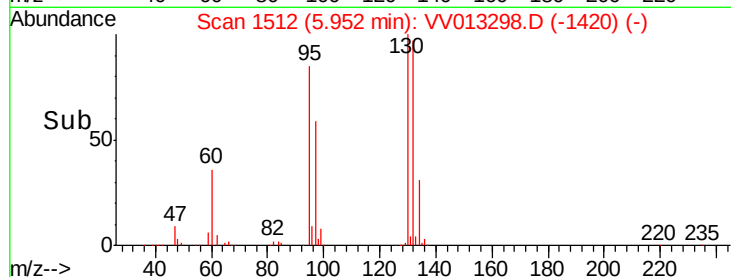


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): VV0

Ion 130.00 (129.70 to 130.70): VV0



#35

Methylcyclohexane

Concen: 51.392 ug/L

RT: 6.17 min Scan# 1580

Delta R.T. -0.00 min

Lab File: VV013298.D

Acq: 23 Oct 2019 12:22

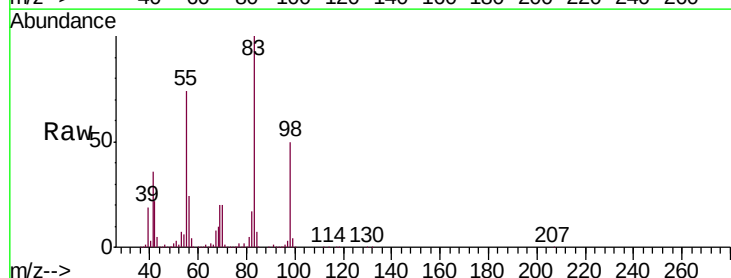
Tgt Ion: 83 Resp: 789960

Ion Ratio Lower Upper

83 100

55 73.8 59.0 88.4

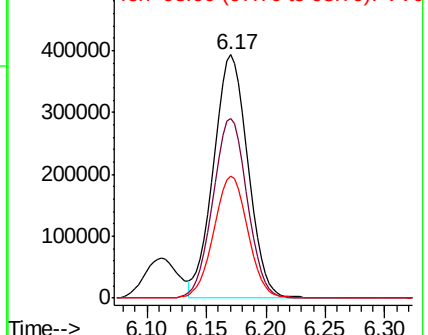
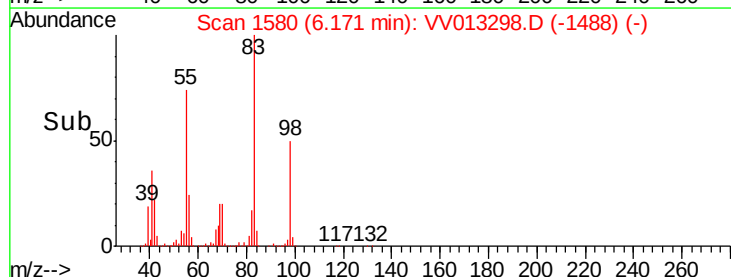
98 49.7 39.3 58.9

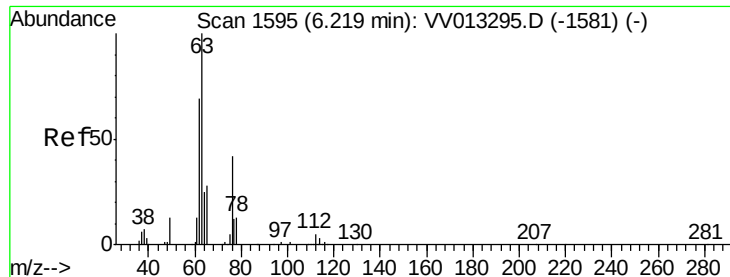


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

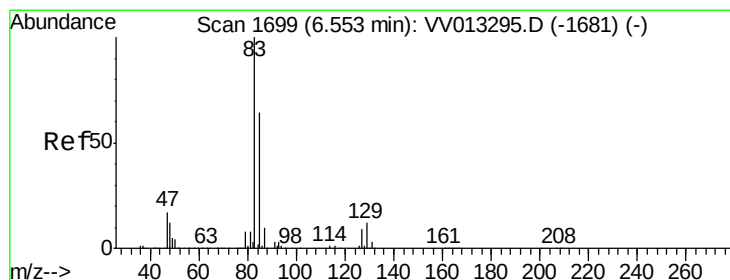
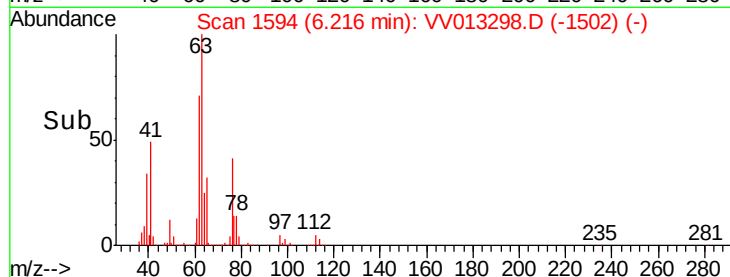
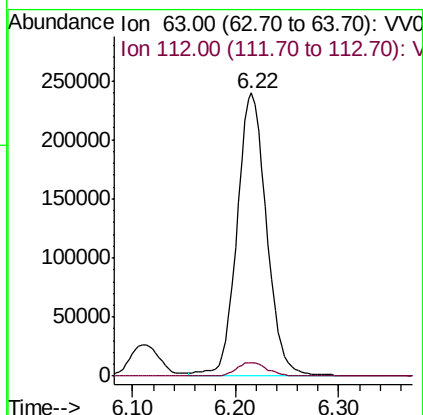
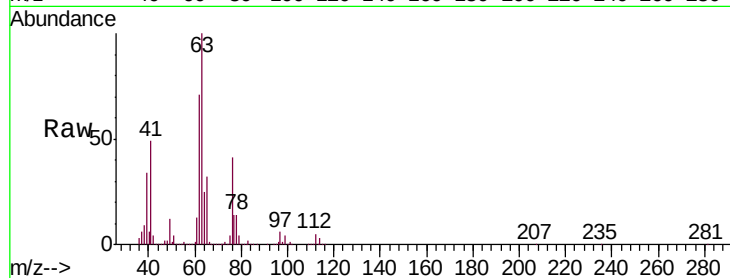




#37
 1,2-Dichloropropane
 Concen: 48.683 ug/L
 RT: 6.22 min Scan# 1594
 Delta R.T. -0.00 min
 Lab File: VV013298.D
 Acq: 23 Oct 2019 12:22

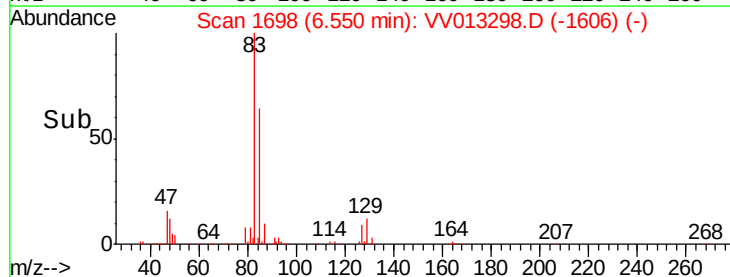
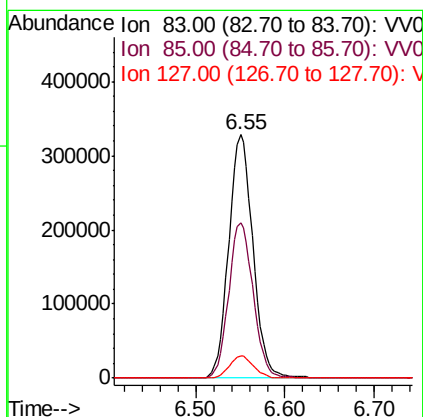
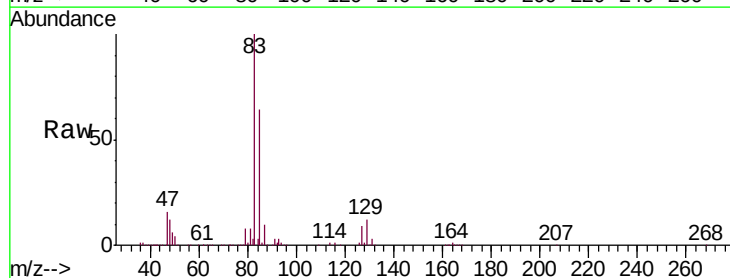
Instrument :
 MSVOA_V
 ClientSampled :
 VICV64

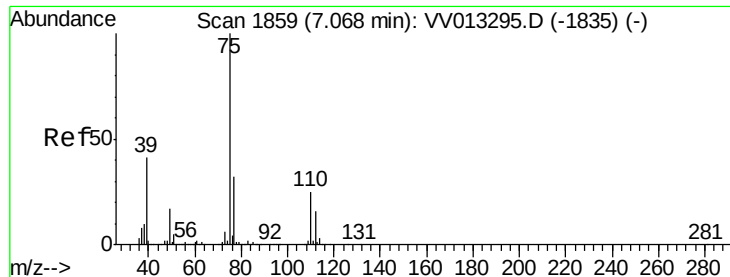
Tgt Ion: 63 Resp: 473665
 Ion Ratio Lower Upper
 63 100
 112 5.1 3.9 5.9



#38
 Bromodichloromethane
 Concen: 48.206 ug/L
 RT: 6.55 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VV013298.D
 Acq: 23 Oct 2019 12:22

Tgt Ion: 83 Resp: 617685
 Ion Ratio Lower Upper
 83 100
 85 63.9 44.6 82.8
 127 8.9 7.4 11.2

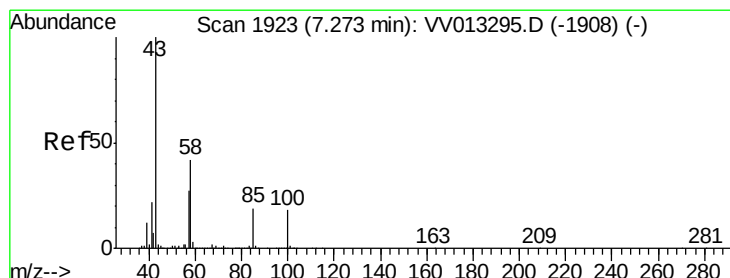
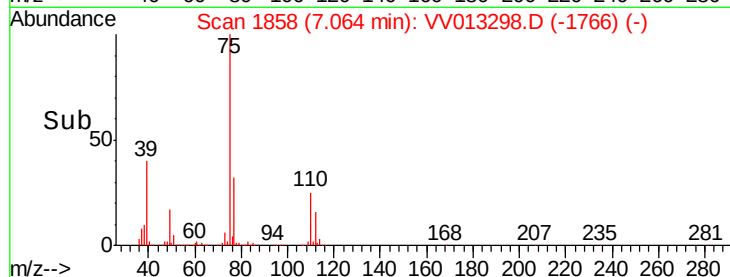
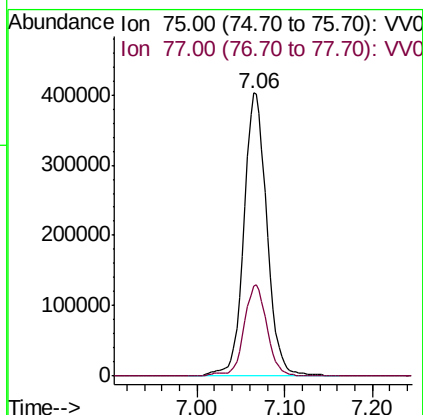
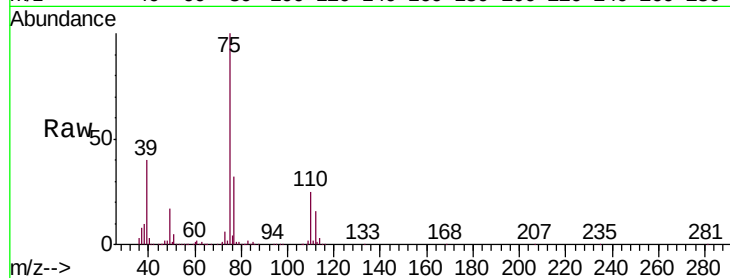




#39
 cis-1,3-Dichloropropene
 Concen: 50.530 ug/L
 RT: 7.06 min Scan# 1858
 Delta R.T. -0.00 min
 Lab File: VV013298.D
 Acq: 23 Oct 2019 12:22

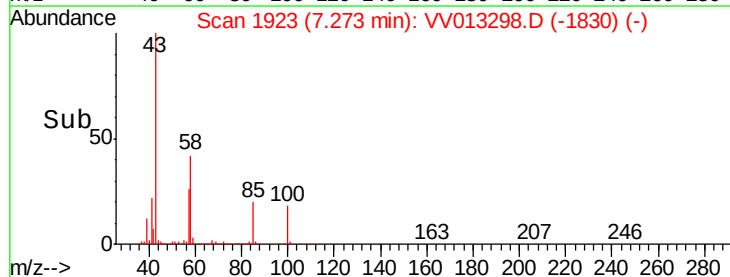
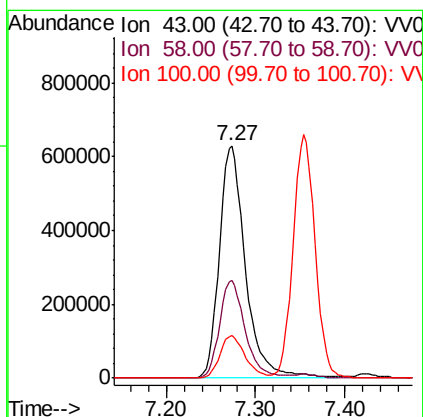
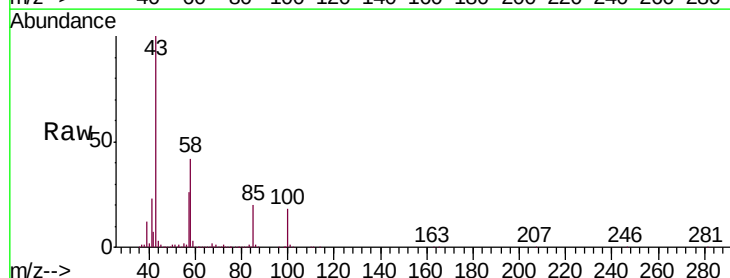
Instrument :
 MSVOA_V
 ClientSampleId :
 VICV64

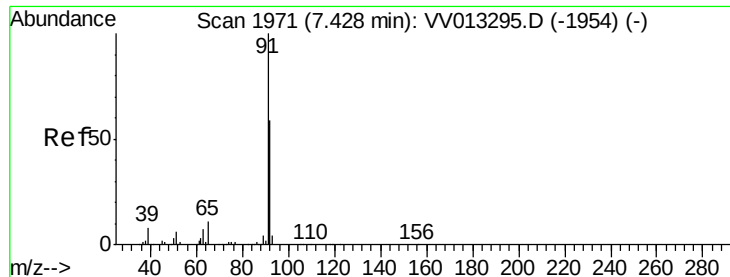
Tgt Ion: 75 Resp: 735033
 Ion Ratio Lower Upper
 75 100
 77 31.6 22.2 41.2



#40
 4-Methyl-2-pentanone
 Concen: 105.712 ug/L
 RT: 7.27 min Scan# 1923
 Delta R.T. 0.00 min
 Lab File: VV013298.D
 Acq: 23 Oct 2019 12:22

Tgt Ion: 43 Resp: 1278156
 Ion Ratio Lower Upper
 43 100
 58 41.0 33.0 49.4
 100 17.5 13.8 20.6





#42

Toluene

Concen: 50.750 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. -0.00 min

Lab File: VV013298.D

Acq: 23 Oct 2019 12:22

Instrument :

MSVOA_V

ClientSampleId :

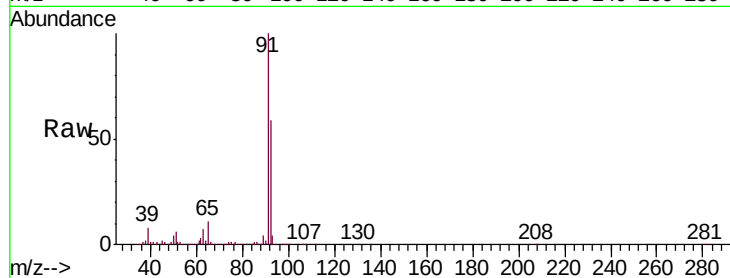
VICV64

Tgt Ion: 91 Resp: 2009735

Ion Ratio Lower Upper

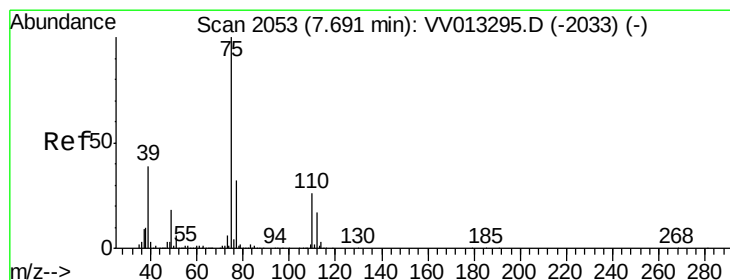
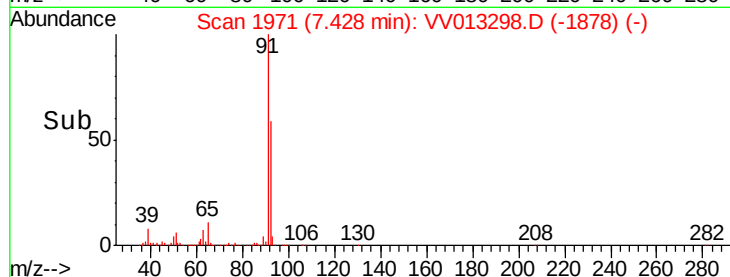
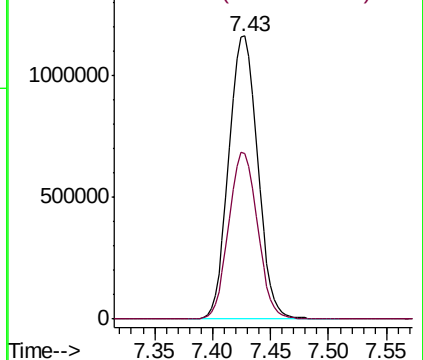
91 100

92 58.6 41.4 77.0



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 92.00 (91.70 to 92.70): VV0



#44

trans-1,3-Dichloropropene

Concen: 52.557 ug/L

RT: 7.69 min Scan# 2052

Delta R.T. -0.00 min

Lab File: VV013298.D

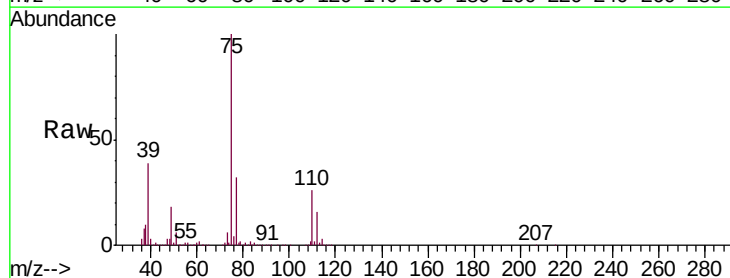
Acq: 23 Oct 2019 12:22

Tgt Ion: 75 Resp: 653853

Ion Ratio Lower Upper

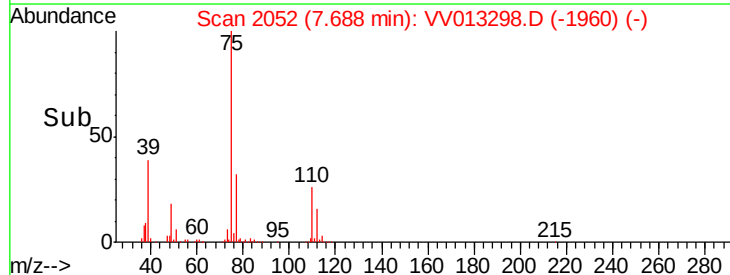
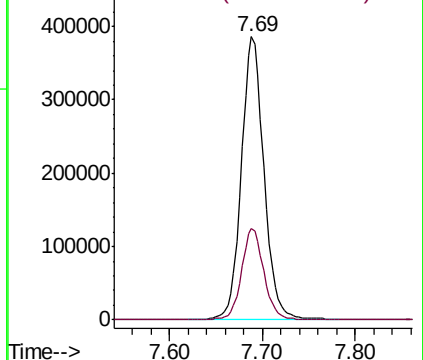
75 100

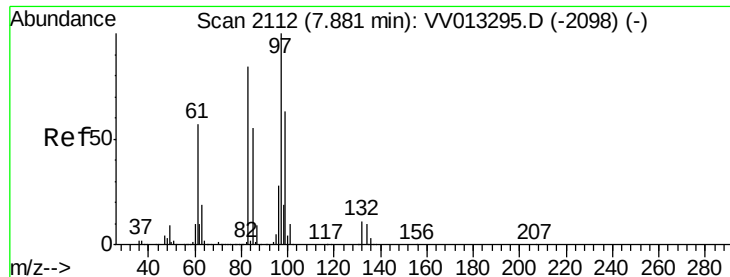
77 32.2 22.2 41.2



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

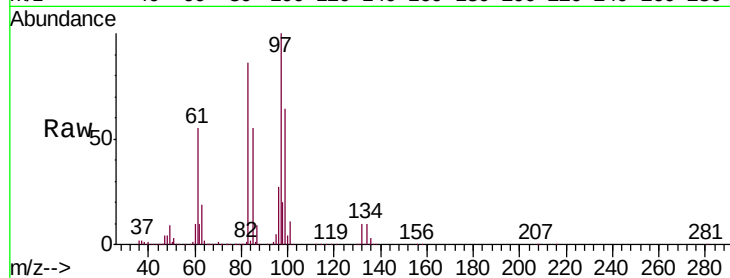




#45
 1,1,2-Trichloroethane
 Concen: 48.885 ug/L
 RT: 7.88 min Scan# 2111
 Delta R.T. -0.00 min
 Lab File: VV013298.D
 Acq: 23 Oct 2019 12:22

Instrument :
 MSVOA_V
 ClientSampleId :
 VICV64

Tgt Ion:	97	Resp:	468274
Ion	Ratio	Lower	Upper
97	100		
99	63.5	44.1	81.9
83	86.2	58.9	109.3
85	54.6	38.6	71.8



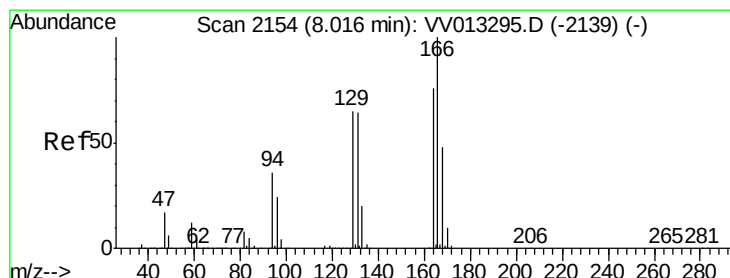
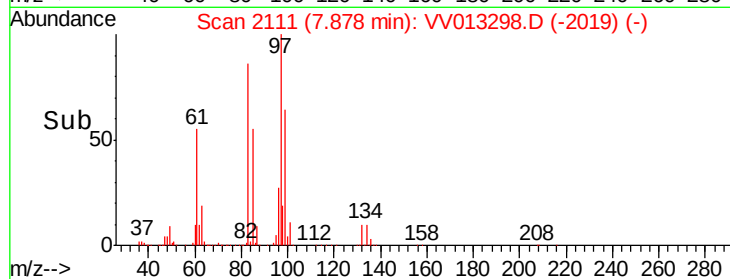
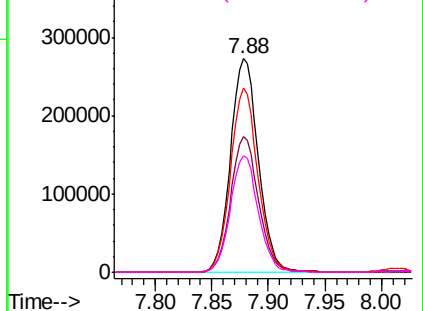
Abundance

Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

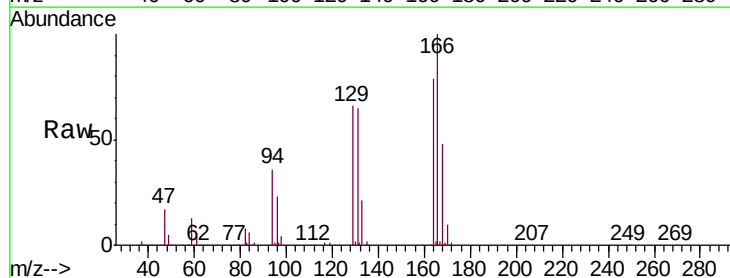
Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0



#46
 Tetrachloroethene
 Concen: 50.886 ug/L
 RT: 8.01 min Scan# 2153
 Delta R.T. -0.00 min
 Lab File: VV013298.D
 Acq: 23 Oct 2019 12:22

Tgt Ion:	164	Resp:	458989
Ion	Ratio	Lower	Upper
164	100		
129	84.2	59.7	110.9
131	81.9	59.2	110.0
166	126.6	92.0	170.9



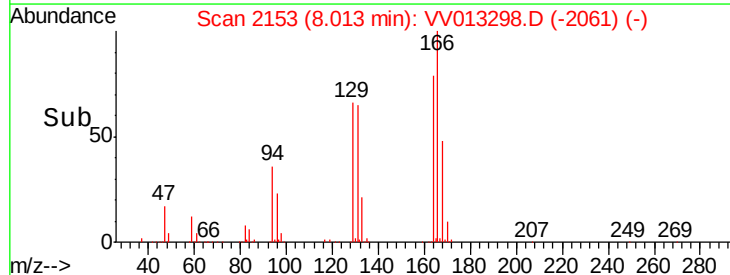
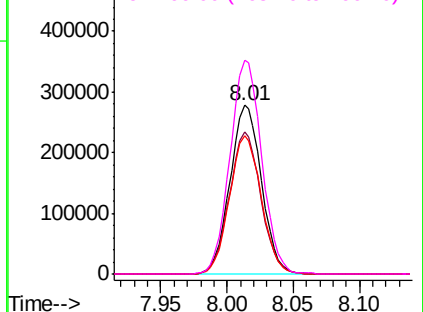
Abundance

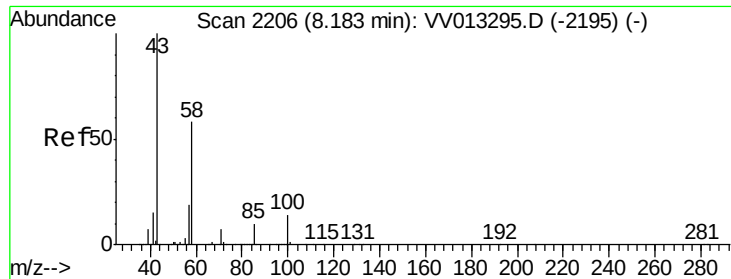
Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

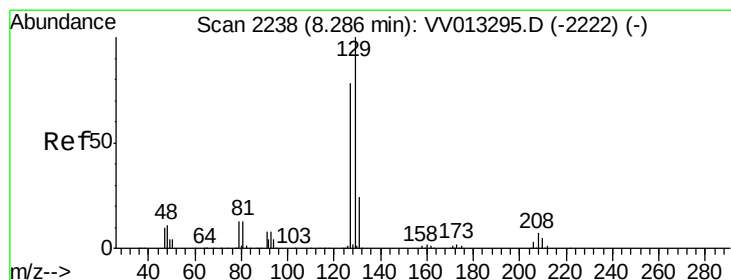
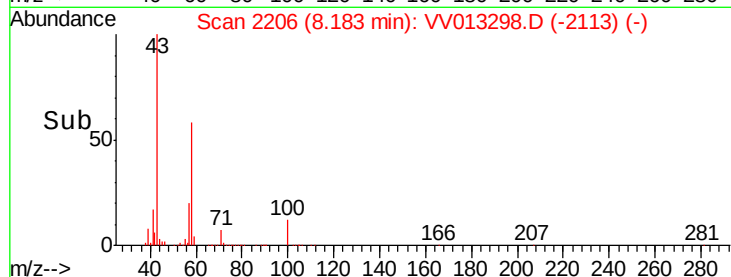
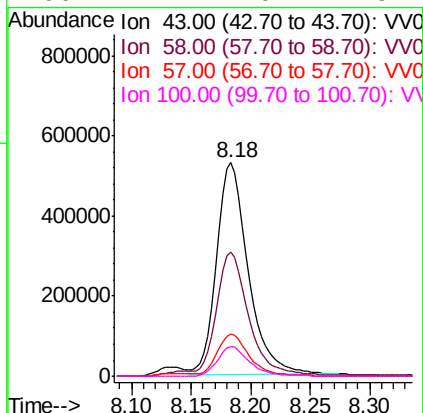
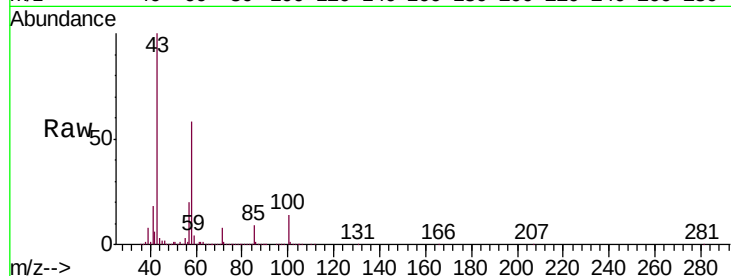




#48
2-Hexanone
Concen: 100.044 ug/L
RT: 8.18 min Scan# 2206
Delta R.T. 0.00 min
Lab File: VV013298.D
Acq: 23 Oct 2019 12:22

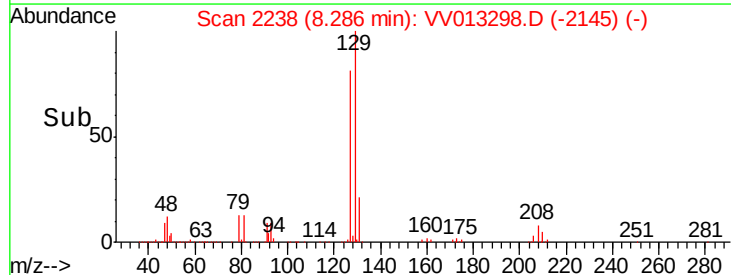
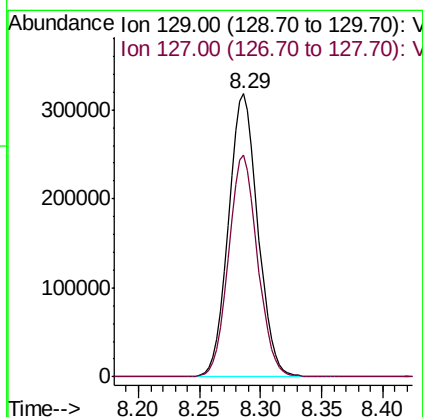
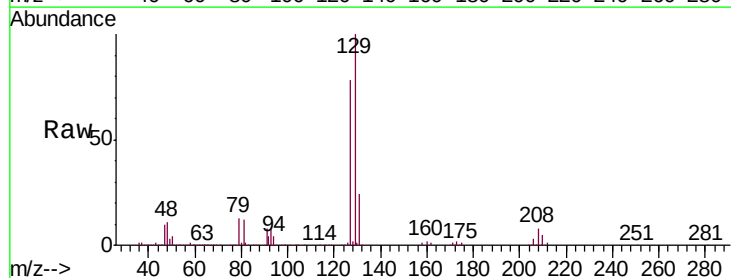
Instrument :
MSVOA_V
ClientSampleId :
VICV64

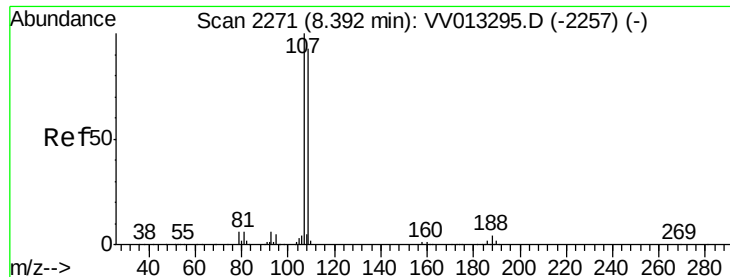
Tgt Ion: 43 Resp: 981874
Ion Ratio Lower Upper
43 100
58 59.5 47.0 70.6
57 19.7 13.8 20.8
100 14.1 10.2 15.4



#49
Dibromochloromethane
Concen: 49.302 ug/L
RT: 8.29 min Scan# 2238
Delta R.T. -0.00 min
Lab File: VV013298.D
Acq: 23 Oct 2019 12:22

Tgt Ion: 129 Resp: 535036
Ion Ratio Lower Upper
129 100
127 78.3 54.7 101.5





#50

1,2-Dibromoethane

Concen: 48.432 ug/L

RT: 8.39 min Scan# 2271

Delta R.T. -0.00 min

Lab File: VV013298.D

Acq: 23 Oct 2019 12:22

Instrument :

MSVOA_V

ClientSampleId :

VICV64

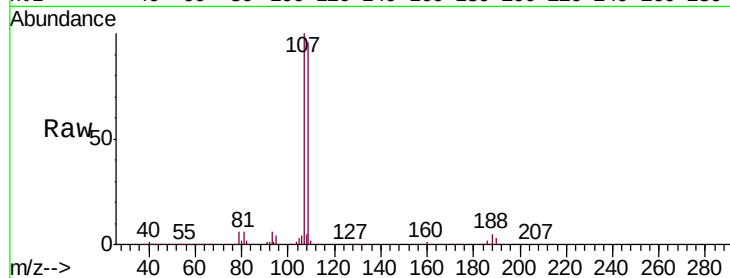
Tgt Ion:107 Resp: 492986

Ion Ratio Lower Upper

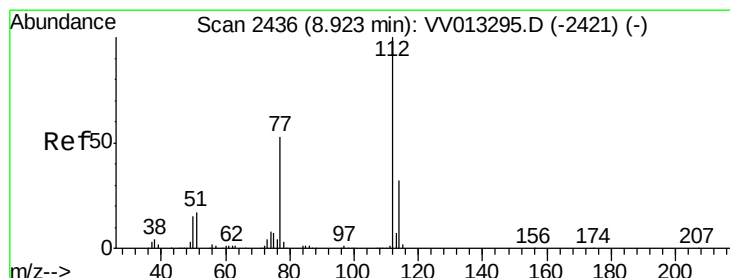
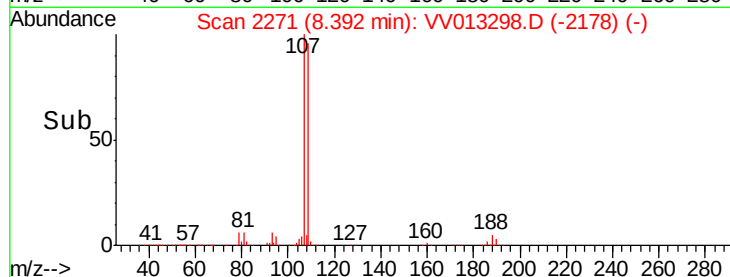
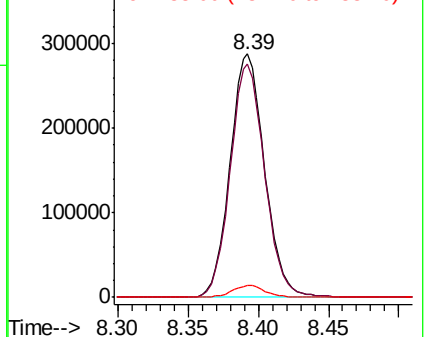
107 100

109 96.1 65.4 121.4

188 4.7 3.4 5.2



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



#51

Chlorobenzene

Concen: 48.616 ug/L

RT: 8.92 min Scan# 2435

Delta R.T. -0.00 min

Lab File: VV013298.D

Acq: 23 Oct 2019 12:22

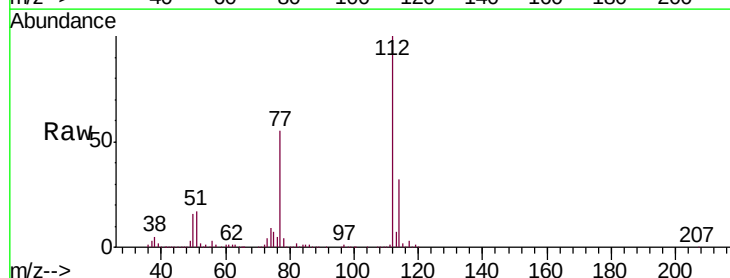
Tgt Ion:112 Resp: 1309155

Ion Ratio Lower Upper

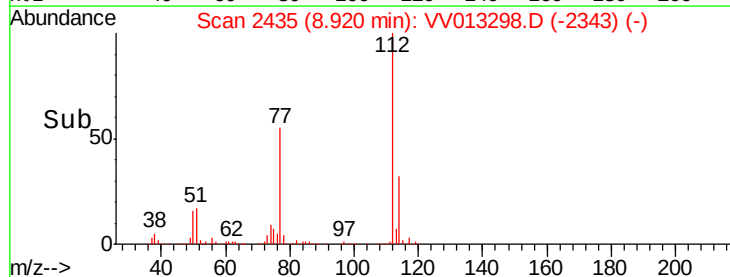
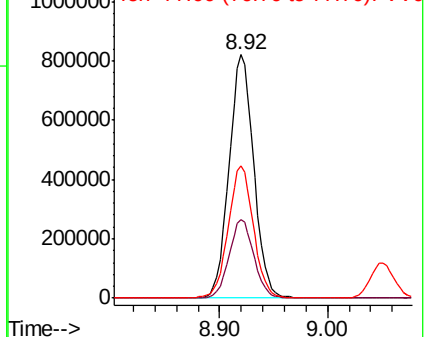
112 100

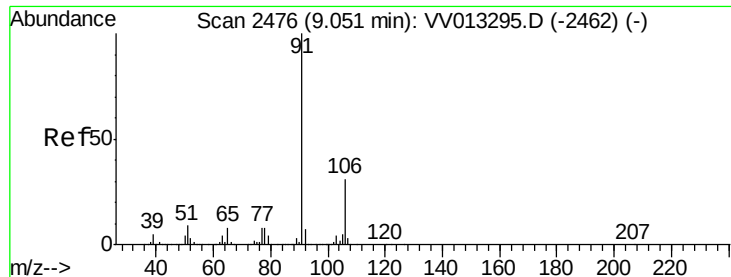
114 32.3 22.7 42.3

77 54.5 42.5 63.7



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





#52

Ethylbenzene

Concen: 51.673 ug/L

RT: 9.05 min Scan# 2476

Delta R.T. 0.00 min

Lab File: VV013298.D

Acq: 23 Oct 2019 12:22

Instrument :

MSVOA_V

ClientSampled :

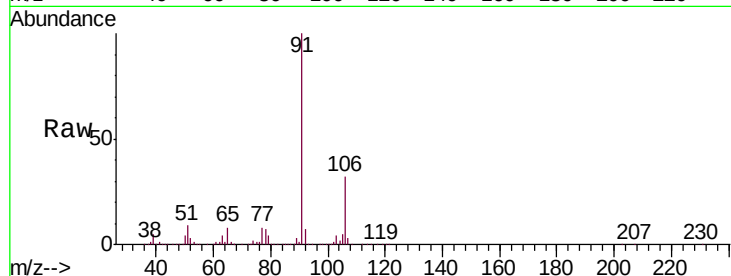
VICV64

Tgt Ion: 91 Resp: 2161811

Ion Ratio Lower Upper

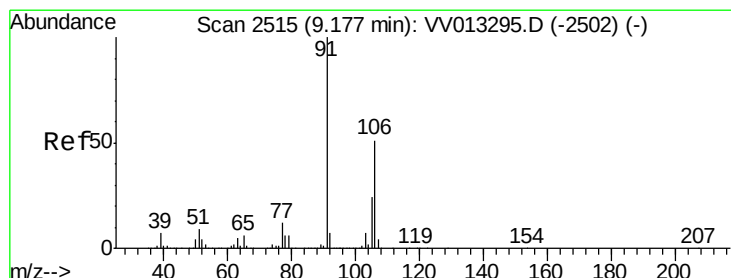
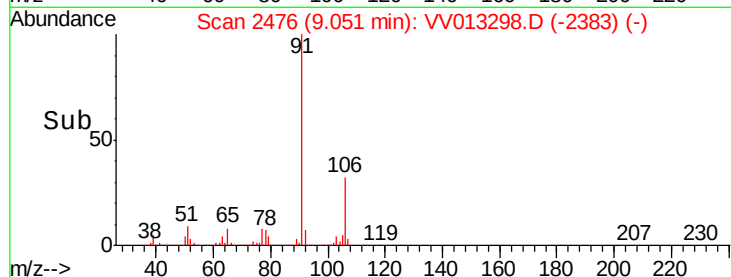
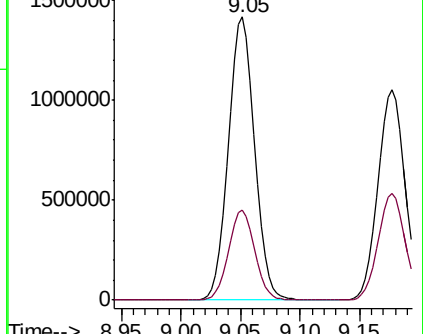
91 100

106 31.9 22.0 40.8



Abundance Ion 91.00 (90.70 to 91.70): VV013298.D (-2383) (-)

Ion 106.00 (105.70 to 106.70): VV013298.D (-2383) (-)



#53

m,p-Xylene

Concen: 51.779 ug/L

RT: 9.18 min Scan# 2515

Delta R.T. 0.00 min

Lab File: VV013298.D

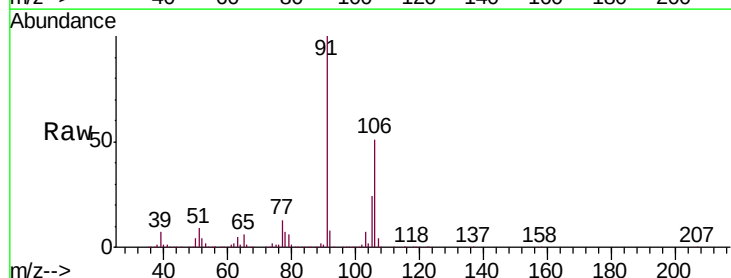
Acq: 23 Oct 2019 12:22

Tgt Ion: 106 Resp: 841320

Ion Ratio Lower Upper

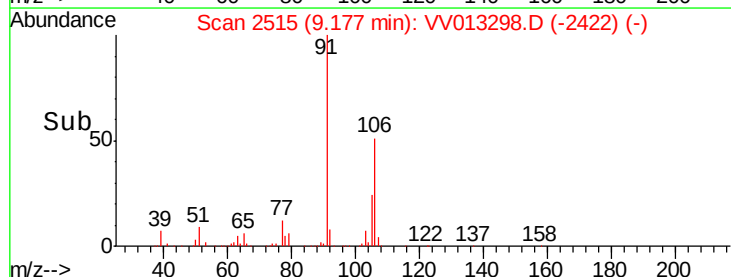
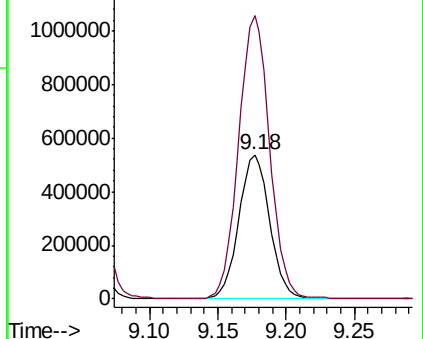
106 100

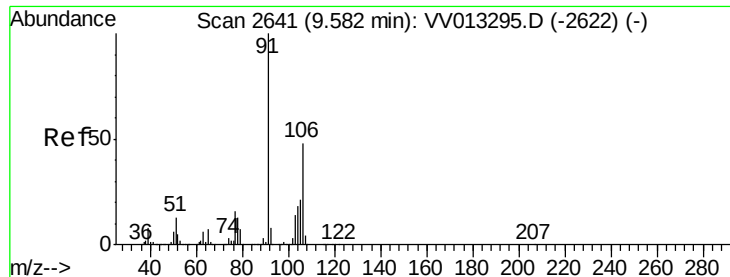
91 196.5 137.7 255.7



Abundance Ion 106.00 (105.70 to 106.70): VV013298.D (-2422) (-)

Ion 91.00 (90.70 to 91.70): VV013298.D (-2422) (-)





#54

o-xylene

Concen: 52.262 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. -0.00 min

Lab File: VV013298.D

Acq: 23 Oct 2019 12:22

Instrument :

MSVOA_V

ClientSampleId :

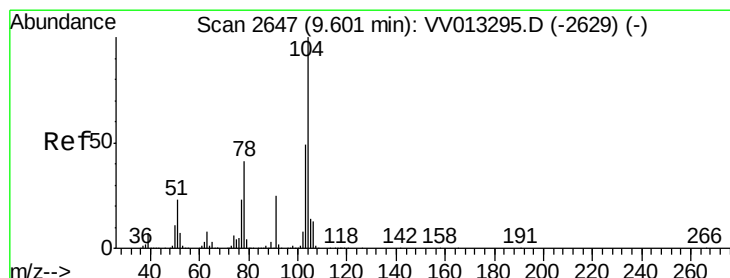
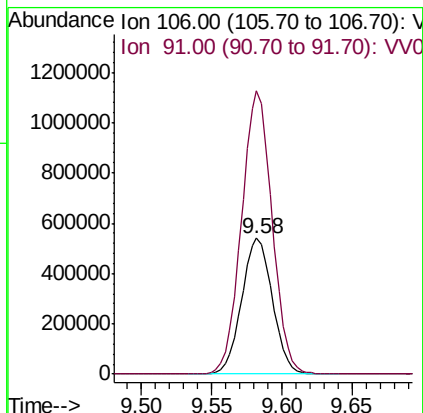
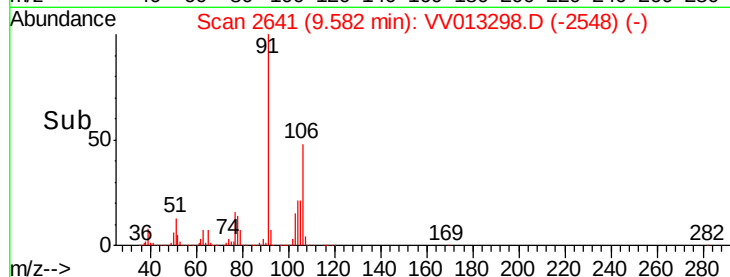
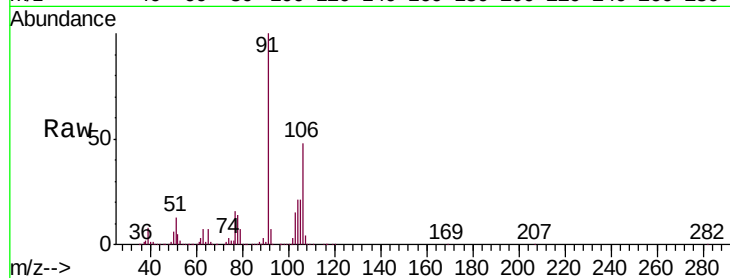
VICV64

Tgt Ion:106 Resp: 828104

Ion Ratio Lower Upper

106 100

91 208.3 146.2 271.6



#55

Styrene

Concen: 52.762 ug/L

RT: 9.60 min Scan# 2646

Delta R.T. -0.00 min

Lab File: VV013298.D

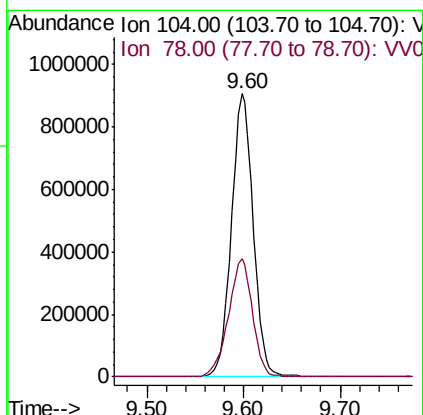
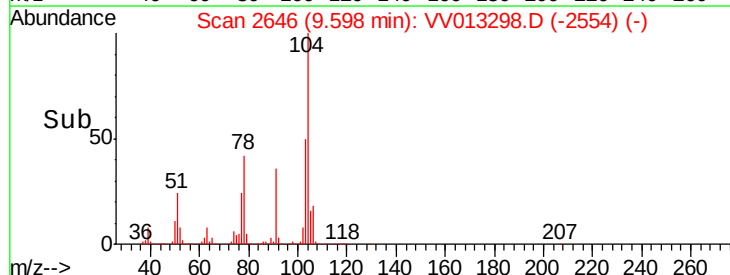
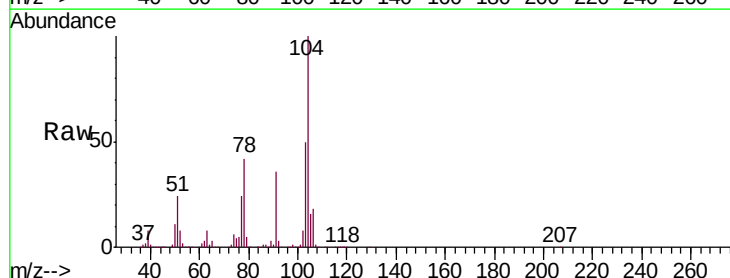
Acq: 23 Oct 2019 12:22

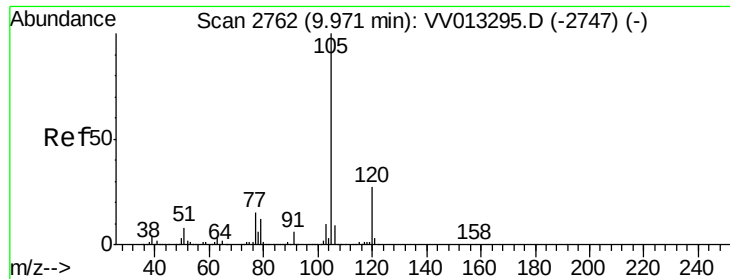
Tgt Ion:104 Resp: 1417868

Ion Ratio Lower Upper

104 100

78 41.7 28.9 53.7





#56

Isopropylbenzene

Concen: 52.864 ug/L

RT: 9.97 min Scan# 2761

Delta R.T. -0.00 min

Lab File: VV013298.D

Acq: 23 Oct 2019 12:22

Instrument :

MSVOA_V

ClientSampleId :

VICV64

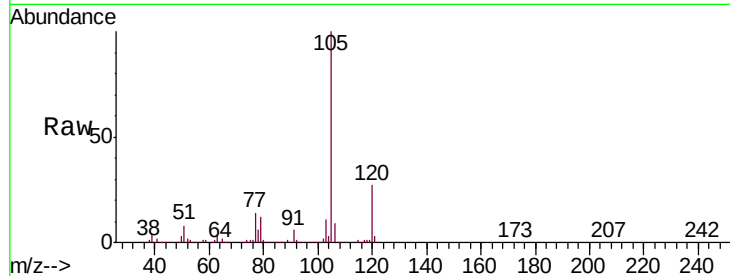
Tgt Ion:105 Resp: 2140204

Ion Ratio Lower Upper

105 100

120 27.4 21.7 32.5

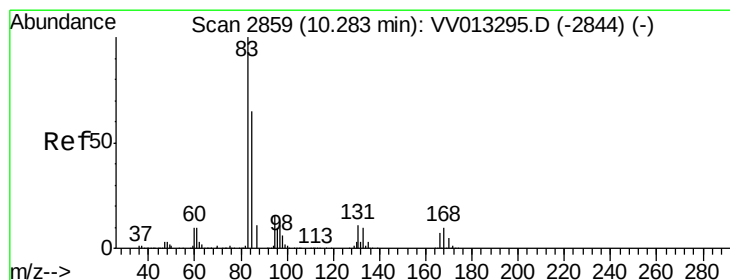
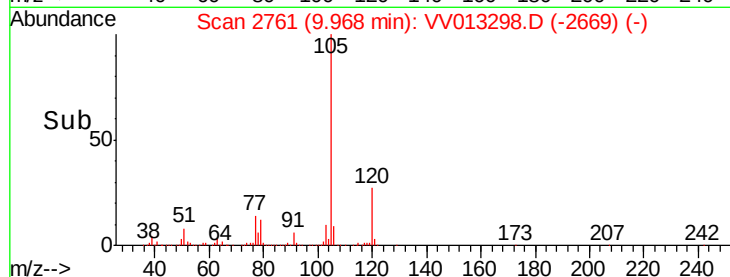
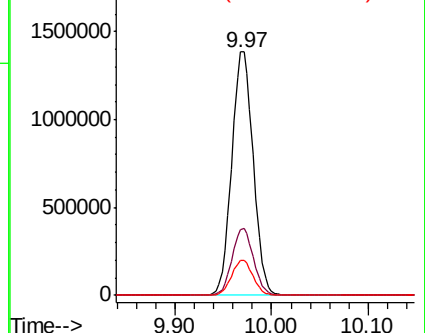
77 14.4 11.6 17.4



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: 47.419 ug/L

RT: 10.28 min Scan# 2858

Delta R.T. -0.00 min

Lab File: VV013298.D

Acq: 23 Oct 2019 12:22

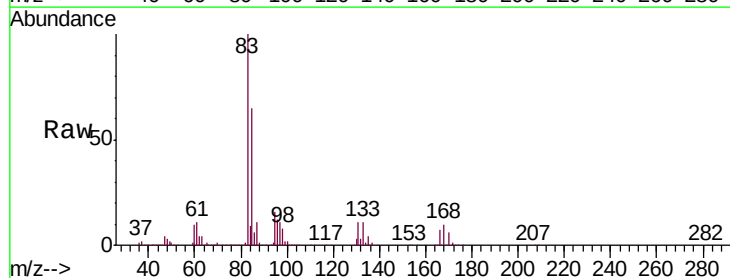
Tgt Ion: 83 Resp: 699356

Ion Ratio Lower Upper

83 100

85 65.1 45.3 84.1

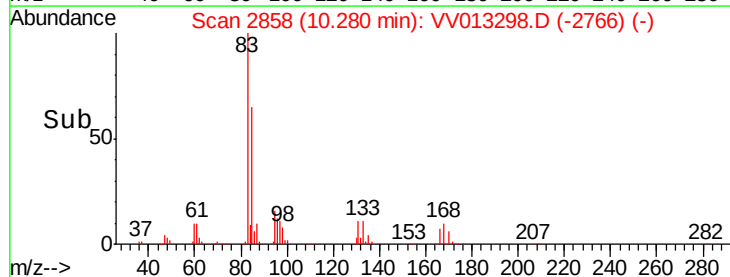
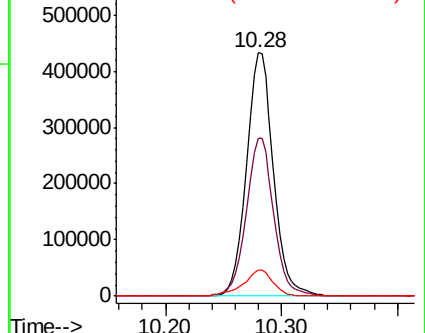
131 10.7 8.6 13.0

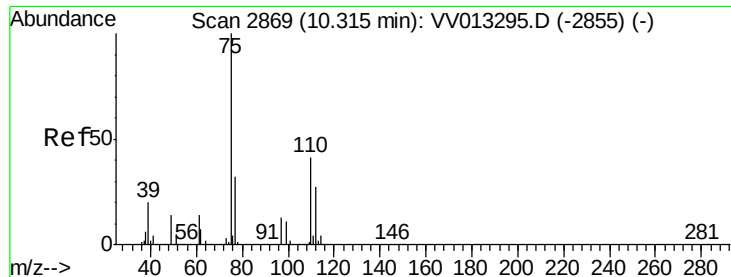


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 47.231 ug/L

RT: 10.32 min Scan# 2869

Delta R.T. 0.00 min

Lab File: VV013298.D

Acq: 23 Oct 2019 12:22

Instrument :

MSVOA_V

ClientSampleId :

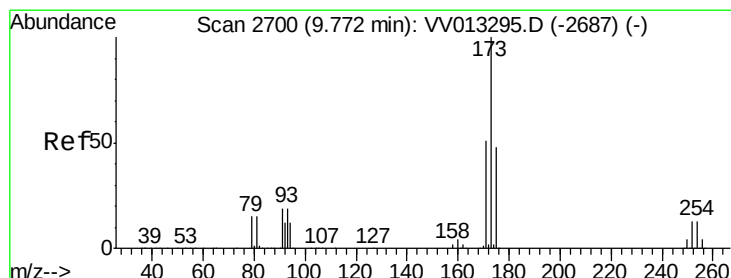
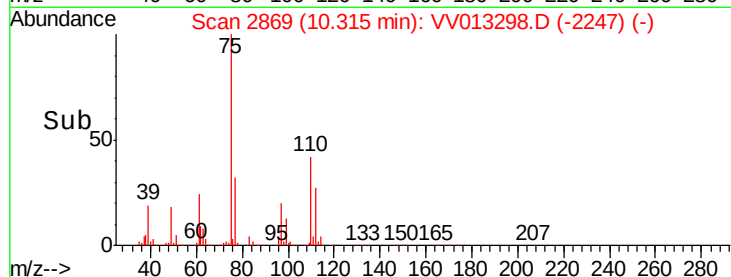
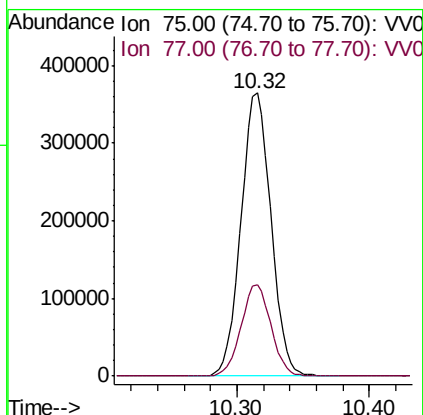
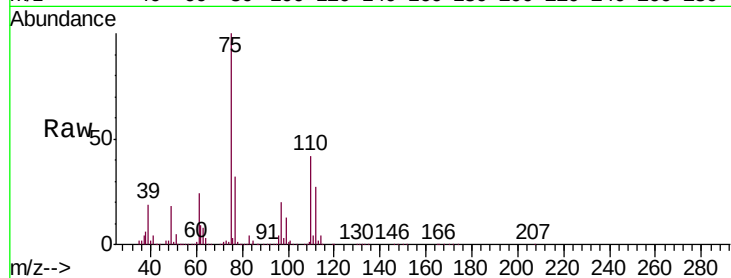
VICV64

Tgt Ion: 75 Resp: 573201

Ion Ratio Lower Upper

75 100

77 31.9 25.7 38.5



#61

Bromoform

Concen: 48.238 ug/L

RT: 9.77 min Scan# 2700

Delta R.T. -0.00 min

Lab File: VV013298.D

Acq: 23 Oct 2019 12:22

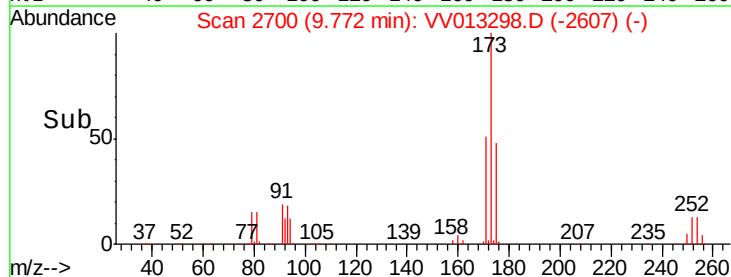
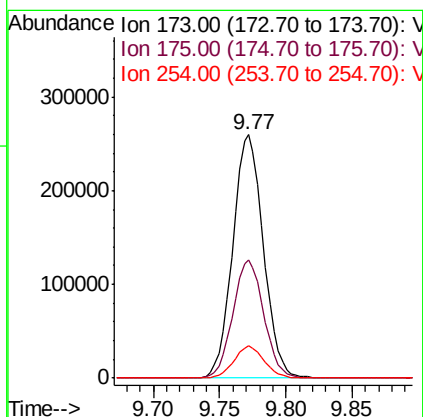
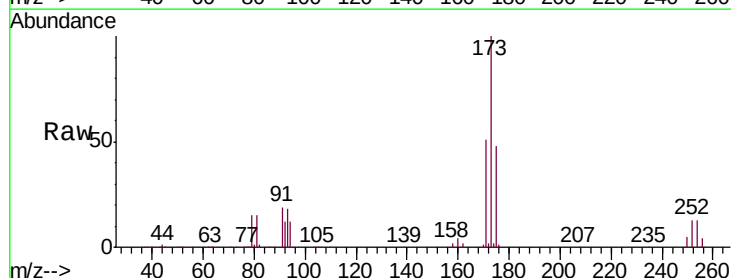
Tgt Ion: 173 Resp: 416513

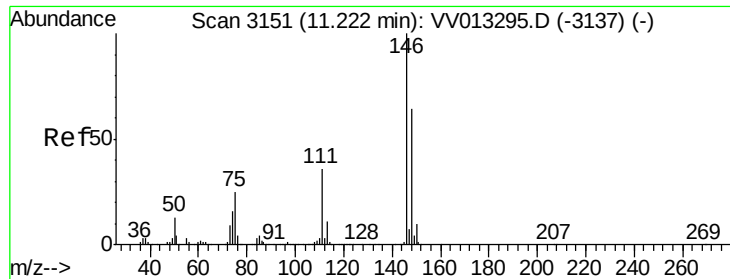
Ion Ratio Lower Upper

173 100

175 49.0 39.1 58.7

254 12.9 10.2 15.4

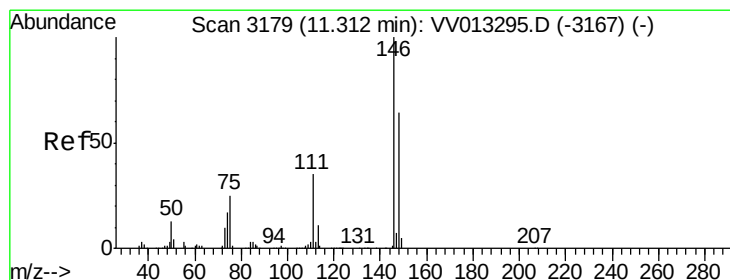
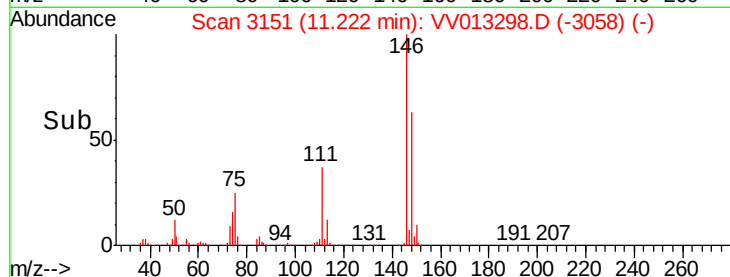
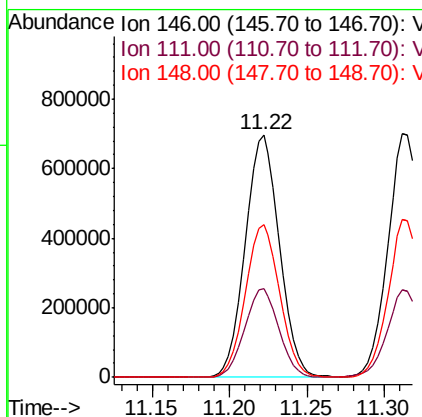
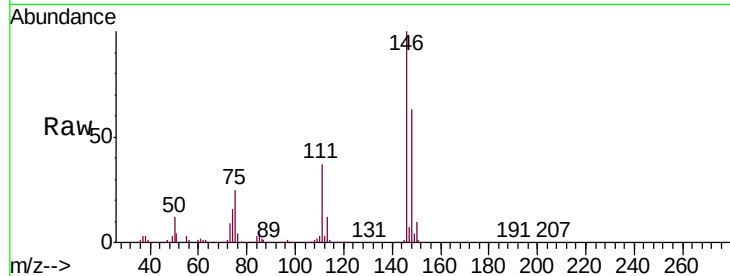




#62
 1,3-Dichlorobenzene
 Concen: 50.289 ug/L
 RT: 11.22 min Scan# 3151
 Delta R.T. 0.00 min
 Lab File: VV013298.D
 Acq: 23 Oct 2019 12:22

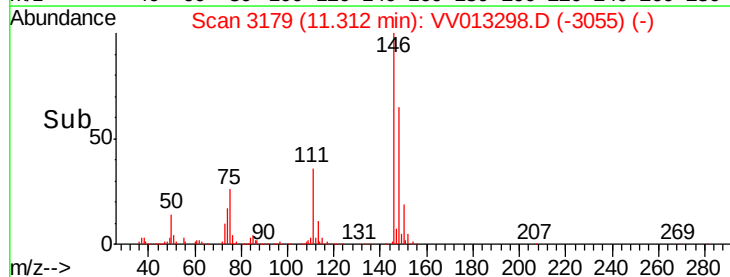
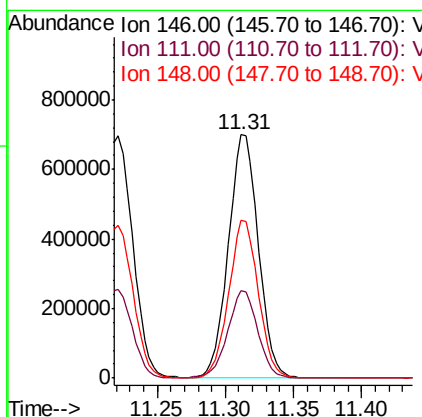
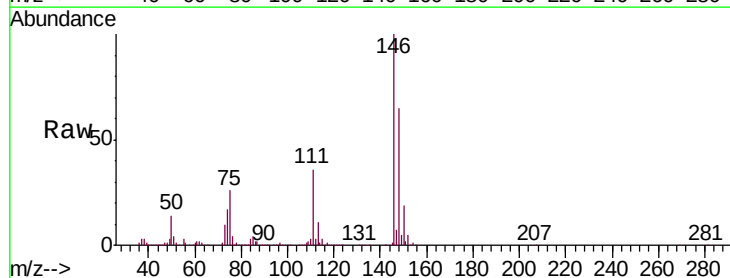
Instrument :
 MSVOA_V
 ClientSampleId :
 VICV64

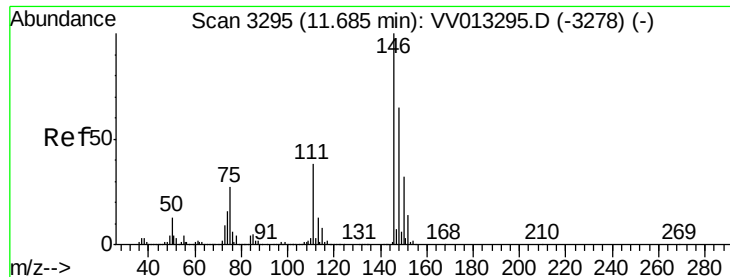
Tgt Ion:146 Resp: 1074065
 Ion Ratio Lower Upper
 146 100
 111 36.5 25.4 47.2
 148 63.0 44.8 83.2



#63
 1,4-Dichlorobenzene
 Concen: 48.003 ug/L
 RT: 11.31 min Scan# 3179
 Delta R.T. -0.00 min
 Lab File: VV013298.D
 Acq: 23 Oct 2019 12:22

Tgt Ion:146 Resp: 1064938
 Ion Ratio Lower Upper
 146 100
 111 35.9 24.5 45.5
 148 64.8 45.0 83.6

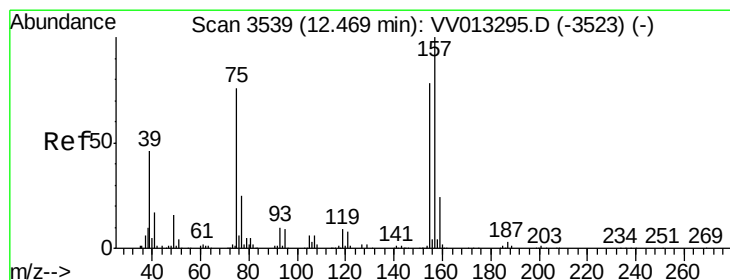
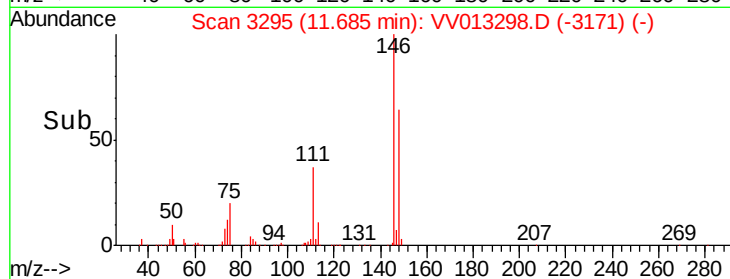
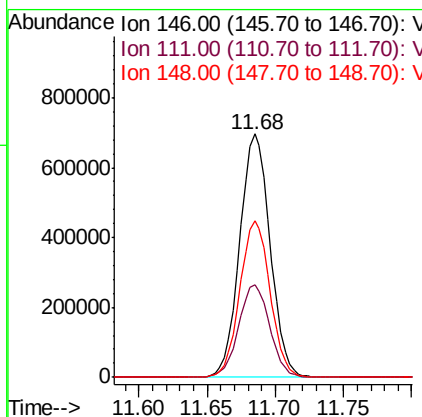
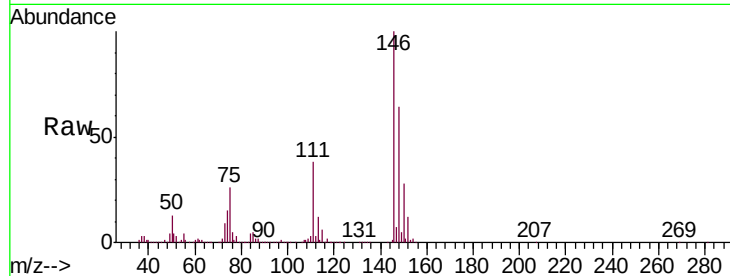




#65
 1,2-Dichlorobenzene
 Concen: 48.906 ug/L
 RT: 11.68 min Scan# 3295
 Delta R.T. 0.00 min
 Lab File: VV013298.D
 Acq: 23 Oct 2019 12:22

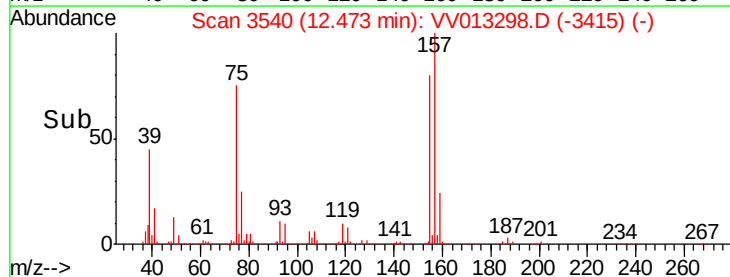
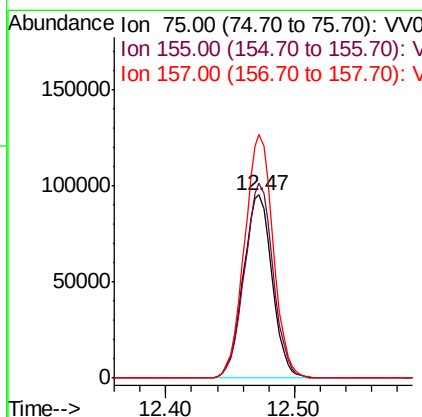
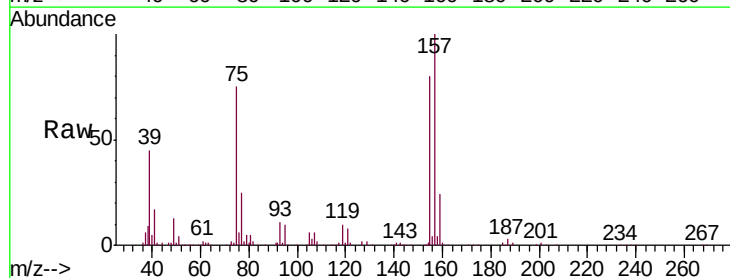
Instrument :
 MSVOA_V
 ClientSampleId :
 VICV64

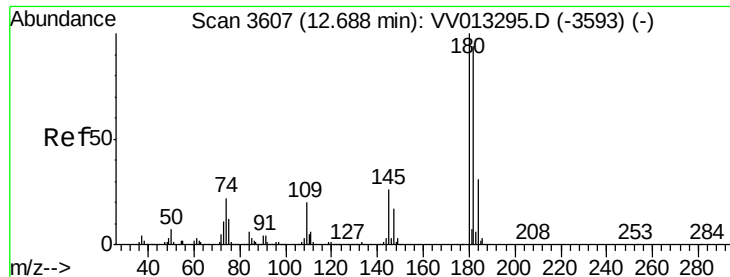
Tgt Ion:146 Resp: 1076823
 Ion Ratio Lower Upper
 146 100
 111 37.9 30.7 46.1
 148 64.2 52.0 78.0



#66
 1,2-Dibromo-3-chloropropane
 Concen: 48.143 ug/L
 RT: 12.47 min Scan# 3540
 Delta R.T. 0.00 min
 Lab File: VV013298.D
 Acq: 23 Oct 2019 12:22

Tgt Ion: 75 Resp: 148689
 Ion Ratio Lower Upper
 75 100
 155 106.1 81.8 122.8
 157 132.8 105.4 158.2

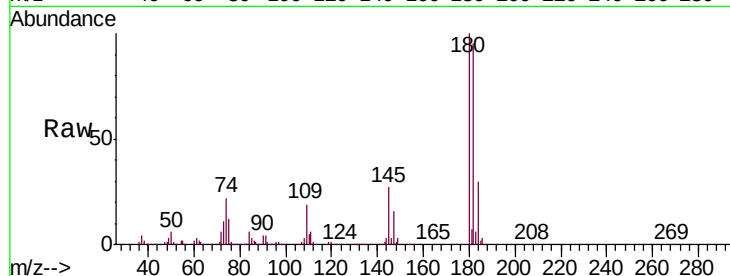




#67
 1,3,5-Trichlorobenzene
 Concen: 51.089 ug/L
 RT: 12.69 min Scan# 3607
 Delta R.T. -0.00 min
 Lab File: VV013298.D
 Acq: 23 Oct 2019 12:22

Instrument :
 MSVOA_V
 ClientSampleId :
 VICV64

Tgt Ion:	180	Resp:	821744
Ion	Ratio	Lower	Upper
180	100		
182	95.9	76.3	114.5
184	30.7	24.8	37.2
145	26.7	21.2	31.8



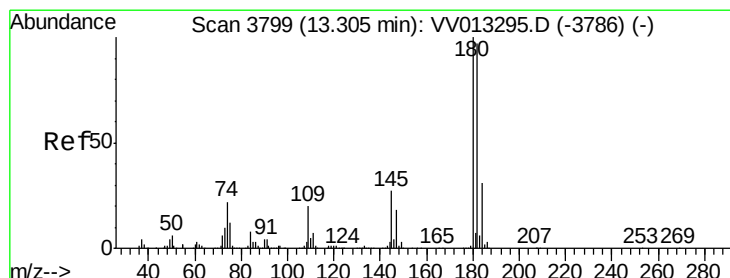
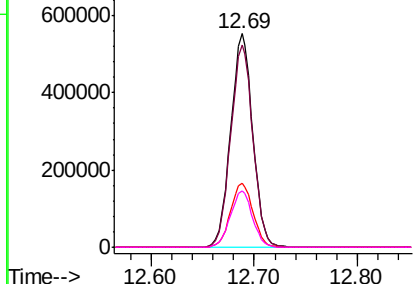
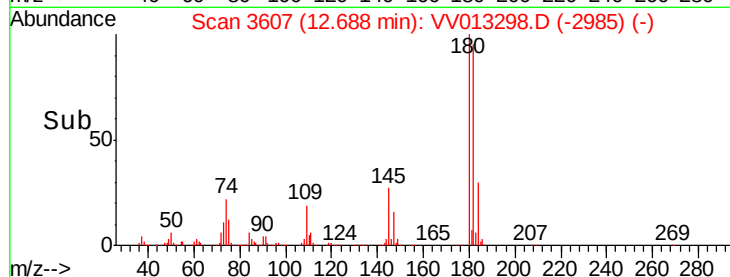
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

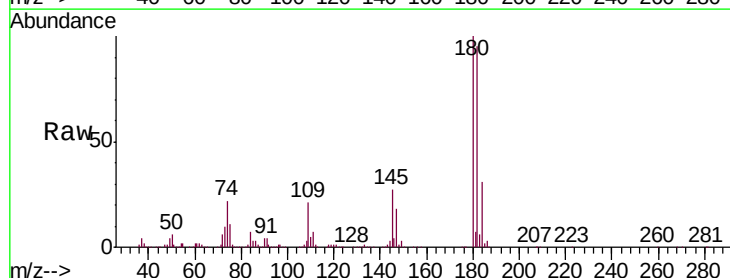
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 51.581 ug/L
 RT: 13.31 min Scan# 3799
 Delta R.T. 0.00 min
 Lab File: VV013298.D
 Acq: 23 Oct 2019 12:22

Tgt Ion:	180	Resp:	696338
Ion	Ratio	Lower	Upper
180	100		
182	94.9	77.3	115.9
145	26.9	21.7	32.5

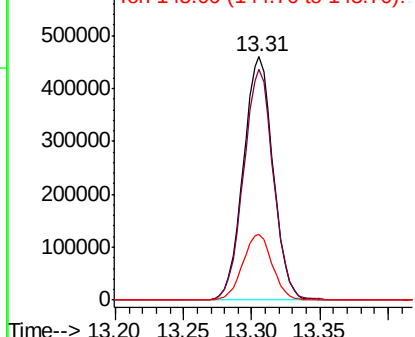
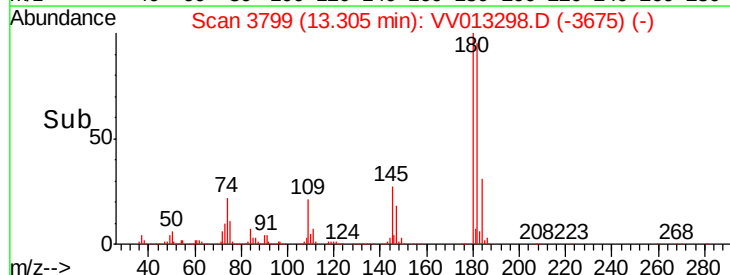


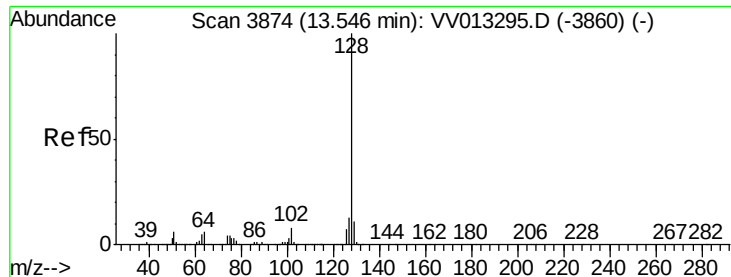
Abundance

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: 57.382 ug/L

RT: 13.55 min Scan# 3874

Delta R.T. 0.00 min

Lab File: VV013298.D

Acq: 23 Oct 2019 12:22

Instrument :

MSVOA_V

ClientSampleId :

VICV64

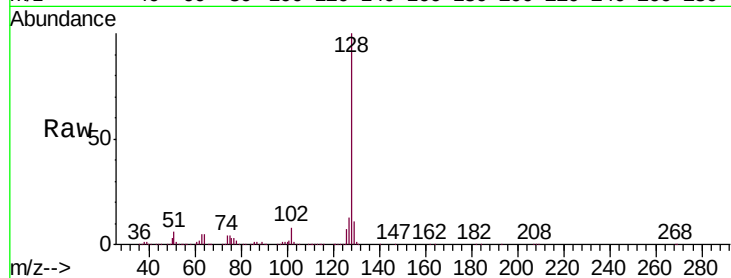
Tgt Ion:128 Resp: 2097697

Ion Ratio Lower Upper

128 100

127 12.8 10.4 15.6

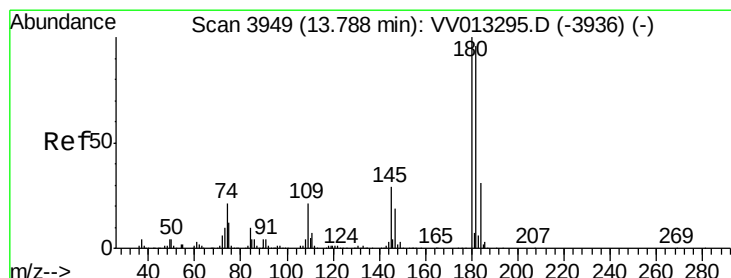
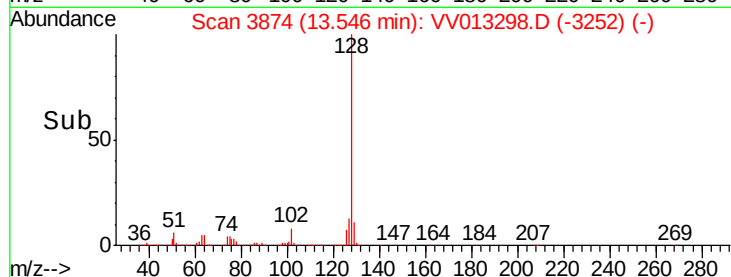
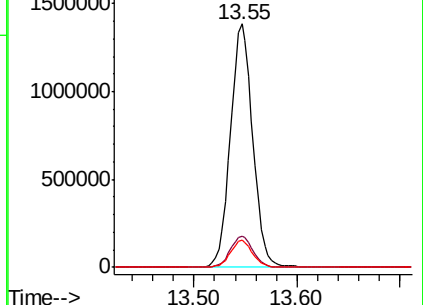
129 10.9 8.6 12.8



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: 52.519 ug/L

RT: 13.79 min Scan# 3949

Delta R.T. -0.00 min

Lab File: VV013298.D

Acq: 23 Oct 2019 12:22

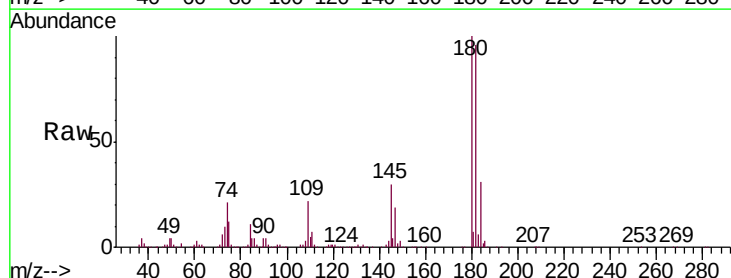
Tgt Ion:180 Resp: 759533

Ion Ratio Lower Upper

180 100

182 95.4 77.0 115.6

145 29.5 23.4 35.2



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

