

Data File : VV012320.D
Acq On : 21 Aug 2019 17:54
Operator : SY/MD
Sample : VSTDICV050
Misc : 5mL/MSVOA_V/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VICV65

Quant Time: Aug 22 03:42:48 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM082119WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Aug 22 03:36:49 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	245928	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	228747	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	123533	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	54712	46.99	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	93.98%
7) Chloroethane-d5	1.58	69	39369	47.16	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	94.32%
11) 1,1-Dichloroethene-d2	2.13	63	106959	46.66	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.32%
21) 2-Butanone-d5	3.92	46	91424	100.74	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	100.74%
24) Chloroform-d	4.40	84	158729	47.96	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.92%
26) 1,2-Dichloroethane-d4	5.08	65	111300	48.77	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.54%
32) Benzene-d6	5.10	84	291095	47.72	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.44%
36) 1,2-Dichloropropane-d6	6.12	67	79747	48.34	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.68%
41) Toluene-d8	7.36	98	291860	49.09	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.18%
43) trans-1,3-Dichloropropene-	7.66	79	50251	49.46	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.92%
47) 2-Hexanone-d5	8.13	63	68144	100.09	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	100.09%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	117159	49.87	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	99.74%
64) 1,2-Dichlorobenzene-d4	11.67	152	132738	48.88	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.76%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.14	85	98619	46.812	ug/L	99
3) Chloromethane	1.25	50	55849	46.510	ug/L	97
5) Vinyl chloride	1.32	62	57776	48.643	ug/L	97
6) Bromomethane	1.52	94	31072	50.179	ug/L	93
8) Chloroethane	1.60	64	31269	46.532	ug/L	99
9) Trichlorofluoromethane	1.77	101	116860	48.905	ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	50579	46.713	ug/L	99
12) 1,1-Dichloroethene	2.14	96	48109	48.633	ug/L	89
13) Acetone	2.18	43	62057	91.117	ug/L	97
14) Carbon disulfide	2.32	76	176999	47.522	ug/L	100
15) Methyl Acetate	2.45	43	61930	48.459	ug/L	97
16) Methylene chloride	2.53	84	71800	47.640	ug/L	99
17) trans-1,2-Dichloroethene	2.79	96	70722	47.243	ug/L	94
18) Methyl tert-butyl Ether	2.80	73	244193	49.239	ug/L	100
19) 1,1-Dichloroethane	3.23	63	121630	48.387	ug/L	99
20) cis-1,2-Dichloroethene	3.96	96	81001	48.625	ug/L	95
22) 2-Butanone	4.01	43	94833	97.033	ug/L	100

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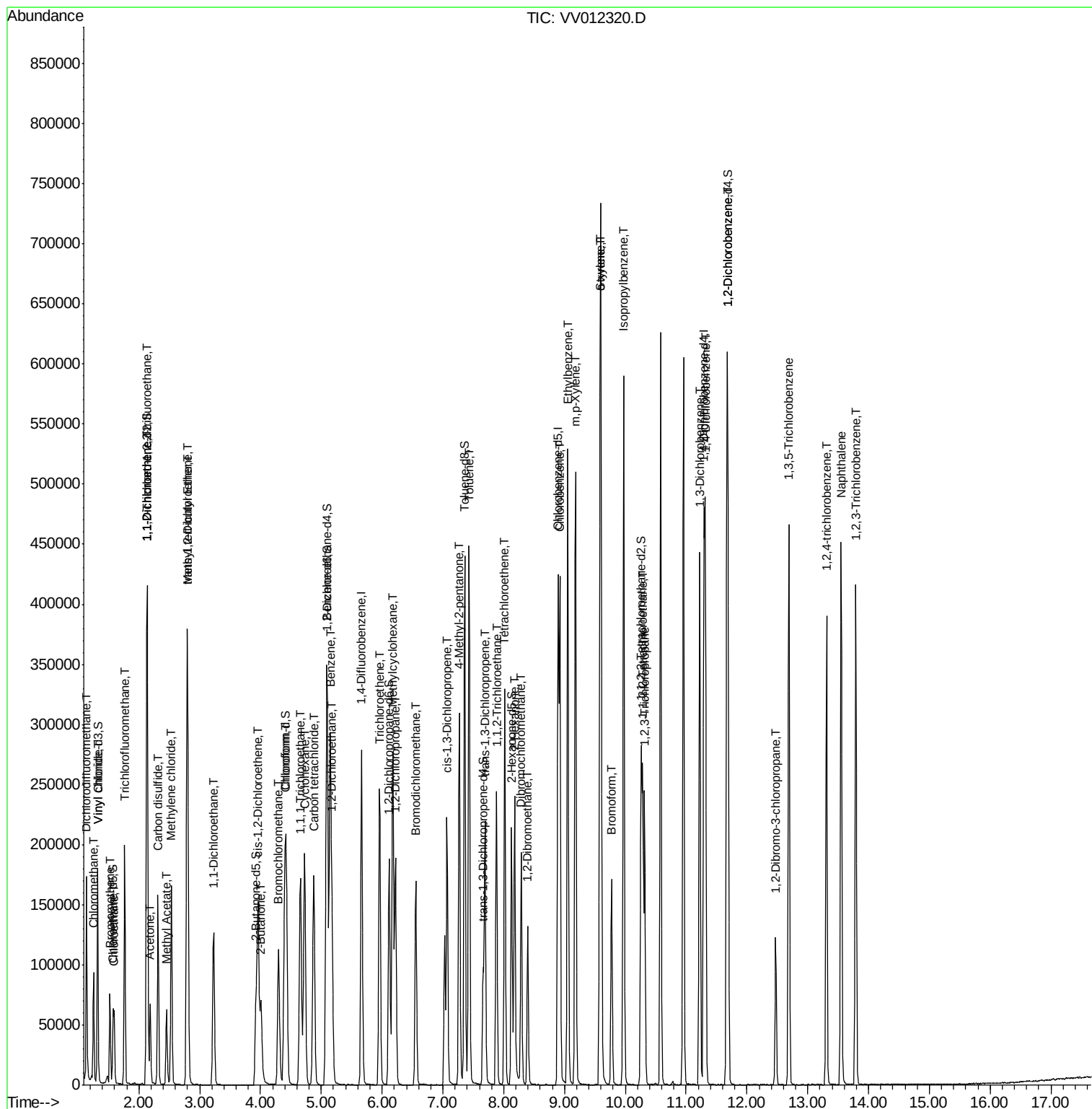
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	44281	48.043	ug/L	98
25) Chloroform	4.42	83	147960	47.679	ug/L	99
27) 1,2-Dichloroethane	5.18	62	123122	48.810	ug/L	99
29) Cyclohexane	4.72	56	99641	47.846	ug/L	97
30) 1,1,1-Trichloroethane	4.66	97	142539	48.407	ug/L	99
31) Carbon tetrachloride	4.87	117	134322	48.560	ug/L	99
33) Benzene	5.15	78	279429	48.462	ug/L	100
34) Trichloroethene	5.96	95	80816	47.854	ug/L	96
35) Methylcyclohexane	6.18	83	124690	48.831	ug/L	96
37) 1,2-Dichloropropane	6.22	63	64468	49.322	ug/L	100
38) Bromodichloromethane	6.56	83	112434	49.144	ug/L	99
39) cis-1,3-Dichloropropene	7.07	75	125834	51.859	ug/L	98
40) 4-Methyl-2-pentanone	7.27	43	177422	100.953	ug/L	99
42) Toluene	7.43	91	319610	49.141	ug/L	97
44) trans-1,3-Dichloropropene	7.69	75	117049	50.613	ug/L	99
45) 1,1,2-Trichloroethane	7.88	97	73842	48.868	ug/L	97
46) Tetrachloroethene	8.02	164	76862	47.562	ug/L	98
48) 2-Hexanone	8.18	43	135632	102.224	ug/L	99
49) Dibromochloromethane	8.29	129	100787	49.324	ug/L	99
50) 1,2-Dibromoethane	8.40	107	82271	49.059	ug/L	97
51) Chlorobenzene	8.92	112	220952	49.073	ug/L	100
52) Ethylbenzene	9.05	91	365666	48.646	ug/L	99
53) m,p-Xylene	9.18	106	144139	49.408	ug/L	98
54) o-xylene	9.59	106	139951	48.874	ug/L	98
55) Styrene	9.60	104	241039	50.268	ug/L	100
56) Isopropylbenzene	9.97	105	382042	49.246	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.28	83	108844	49.571	ug/L	98
59) 1,2,3-Trichloropropane	10.32	75	90414	48.542	ug/L	98
61) Bromoform	9.78	173	80700	49.484	ug/L	100
62) 1,3-Dichlorobenzene	11.23	146	191536	49.800	ug/L	97
63) 1,4-Dichlorobenzene	11.32	146	189146	48.734	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	193789	49.792	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.47	75	30077	53.121	ug/L	93
67) 1,3,5-Trichlorobenzene	12.69	180	152194	49.921	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	126535	53.047	ug/L	98
69) Naphthalene	13.55	128	360992	56.334	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	132102	54.091	ug/L	99

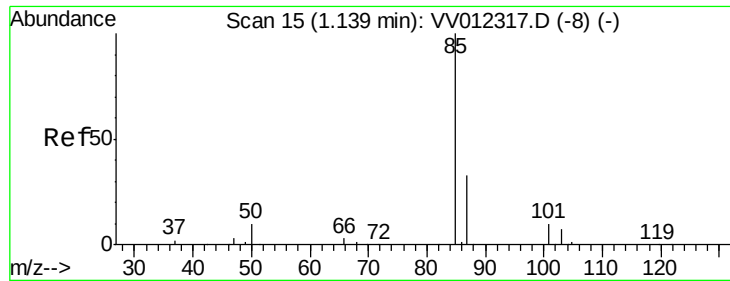
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 46.812 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV012320.D

Acq: 21 Aug 2019 17:54

Instrument :

MSVOA_V

ClientSampleId :

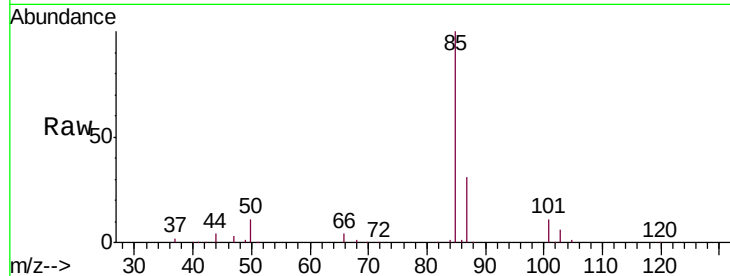
VICV65

Tgt Ion: 85 Resp: 98619

Ion Ratio Lower Upper

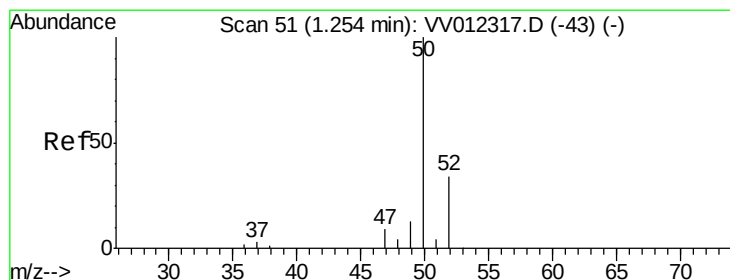
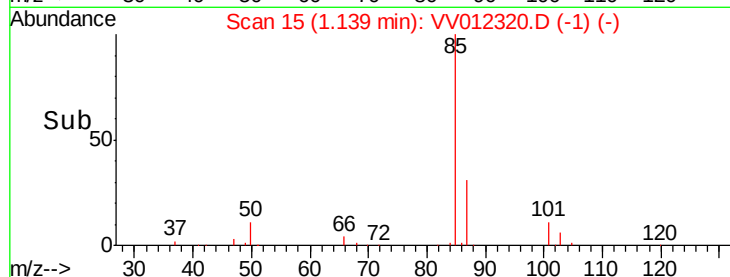
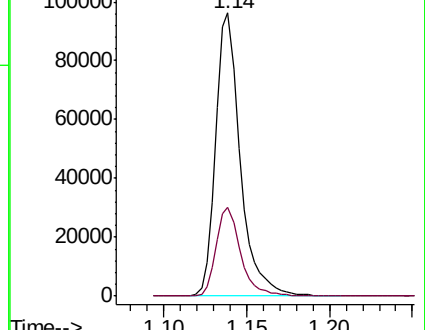
85 100

87 31.7 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VV012317.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VV012317.D (-8) (-)



#3

Chloromethane

Concen: 46.510 ug/L

RT: 1.25 min Scan# 51

Delta R.T. 0.00 min

Lab File: VV012320.D

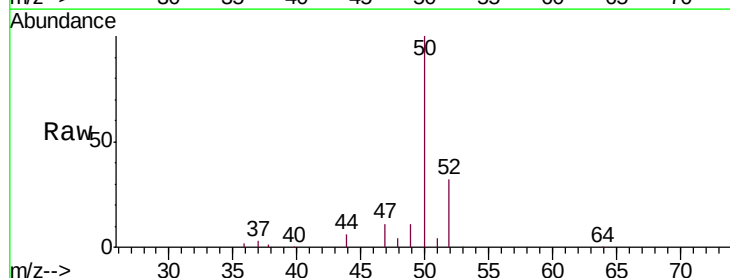
Acq: 21 Aug 2019 17:54

Tgt Ion: 50 Resp: 55849

Ion Ratio Lower Upper

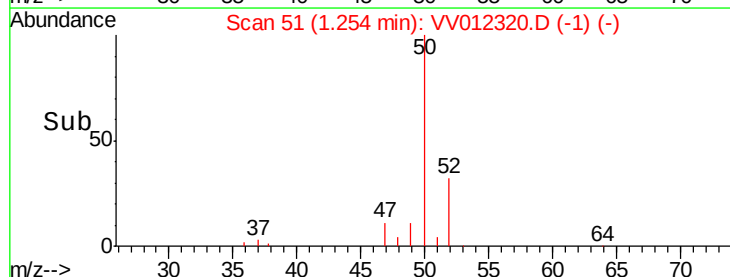
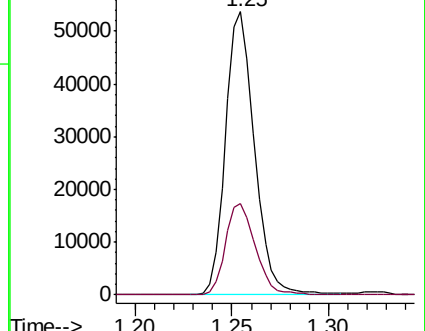
50 100

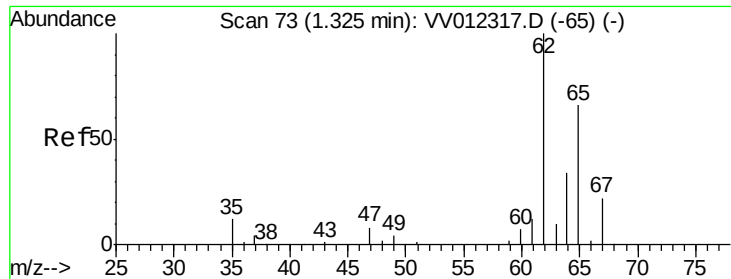
52 32.4 23.8 44.2



Abundance Ion 50.00 (49.70 to 50.70): VV012317.D (-43) (-)

Ion 52.00 (51.70 to 52.70): VV012317.D (-43) (-)





#5

Vinyl chloride

Concen: 48.643 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV012320.D

Acq: 21 Aug 2019 17:54

Instrument :

MSVOA_V

ClientSampleId :

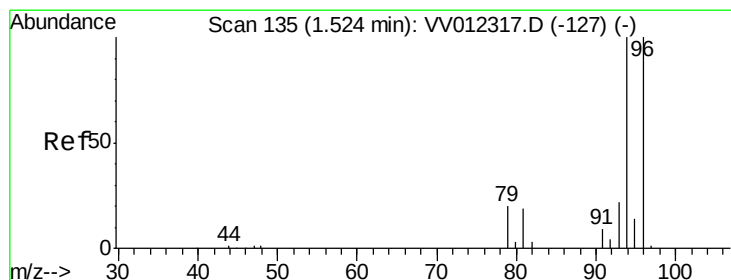
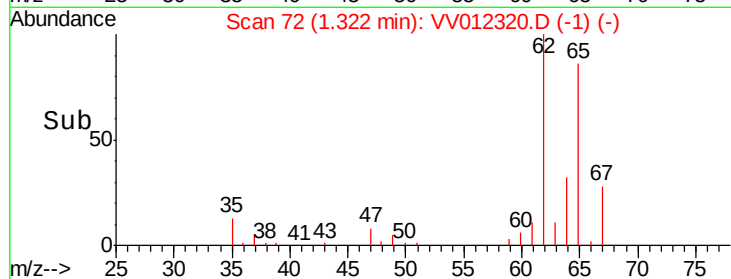
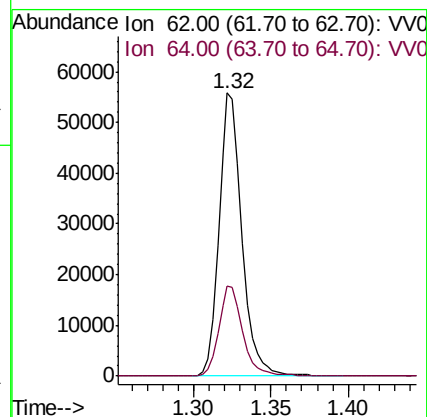
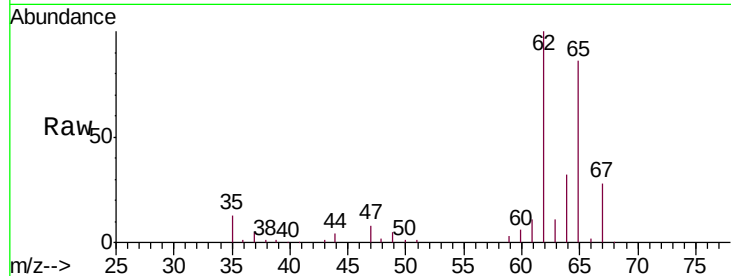
VICV65

Tgt Ion: 62 Resp: 57776

Ion Ratio Lower Upper

62 100

64 31.9 23.5 43.7



#6

Bromomethane

Concen: 50.179 ug/L

RT: 1.52 min Scan# 135

Delta R.T. 0.00 min

Lab File: VV012320.D

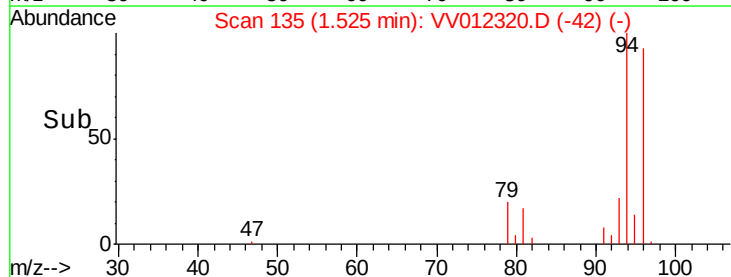
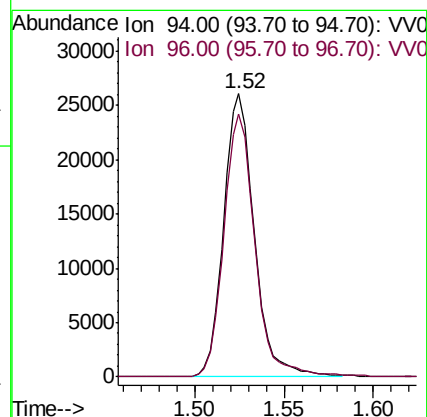
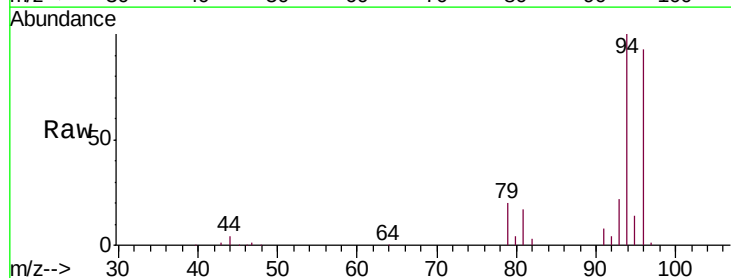
Acq: 21 Aug 2019 17:54

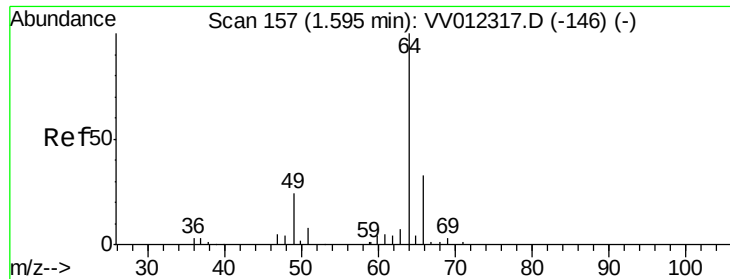
Tgt Ion: 94 Resp: 31072

Ion Ratio Lower Upper

94 100

96 93.0 70.1 130.3





#8

Chloroethane

Concen: 46.532 ug/L

RT: 1.60 min Scan# 157

Delta R.T. 0.00 min

Lab File: VV012320.D

Acq: 21 Aug 2019 17:54

Instrument :

MSVOA_V

ClientSampleId :

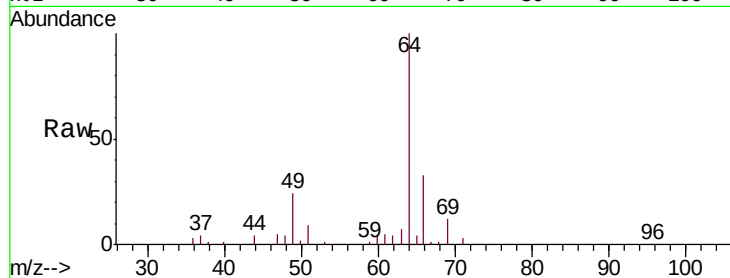
VICV65

Tgt Ion: 64 Resp: 31269

Ion Ratio Lower Upper

64 100

66 33.4 22.8 42.4



Abundance Ion 64.00 (63.70 to 64.70): VV0

Ion 66.00 (65.70 to 66.70): VV0

1.60

25000

20000

15000

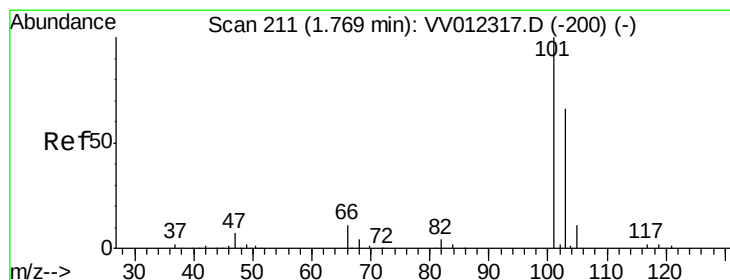
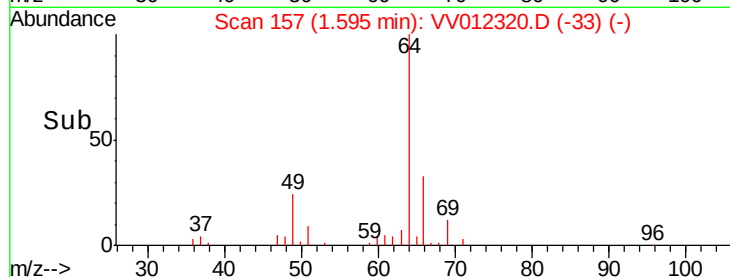
10000

5000

0

Time-->

1.55 1.60 1.65



#9

Trichlorofluoromethane

Concen: 48.905 ug/L

RT: 1.77 min Scan# 210

Delta R.T. -0.00 min

Lab File: VV012320.D

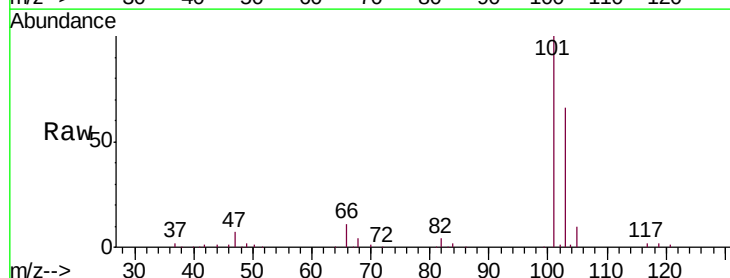
Acq: 21 Aug 2019 17:54

Tgt Ion: 101 Resp: 116860

Ion Ratio Lower Upper

101 100

103 65.0 53.2 79.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V

1.77

100000

80000

60000

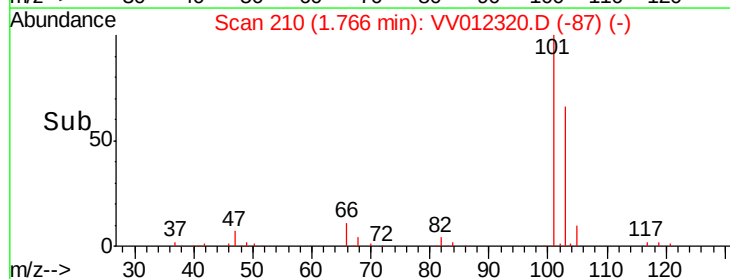
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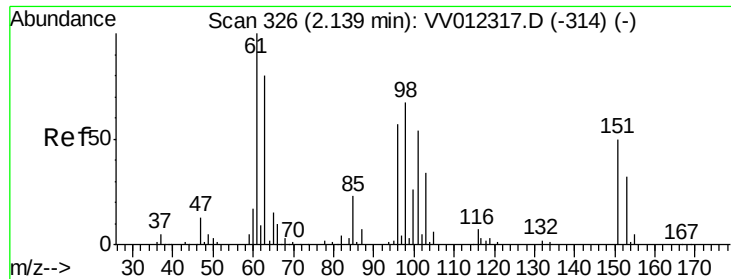
20000

0

Time-->

1.70 1.75 1.80





#10

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

Concen: 46.713 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV012320.D

Acq: 21 Aug 2019 17:54

Instrument :

MSVOA_V

ClientSampleId :

VICV65

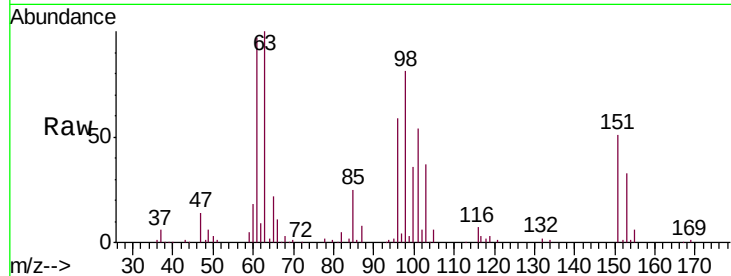
Tgt Ion:101 Resp: 50579

Ion Ratio Lower Upper

101 100

85 44.8 33.7 50.5

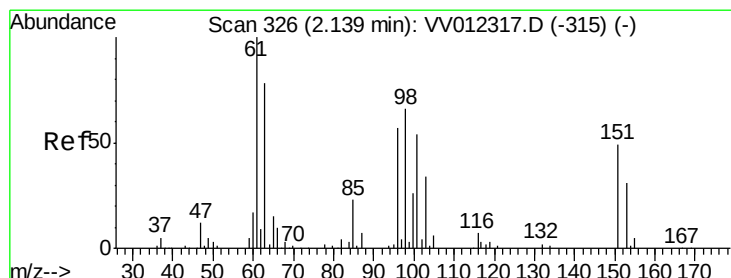
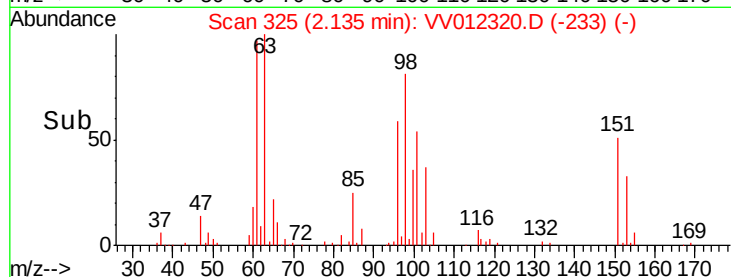
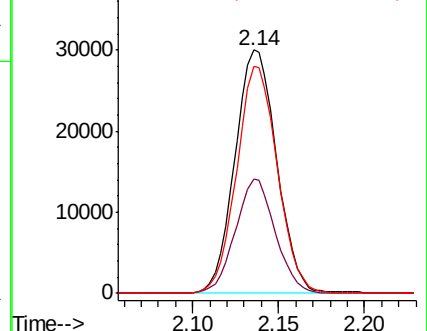
151 91.1 73.0 109.6



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: 48.633 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV012320.D

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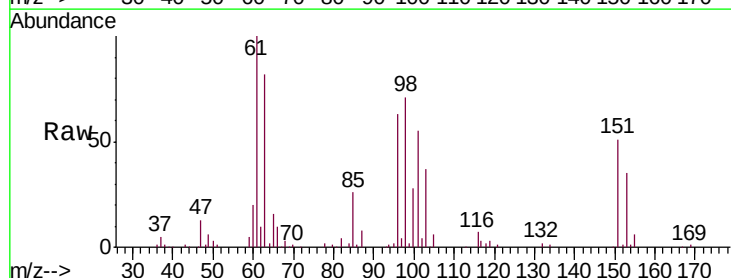
Tgt Ion: 96 Resp: 48109

Ion Ratio Lower Upper

96 100

61 158.3 122.6 227.8

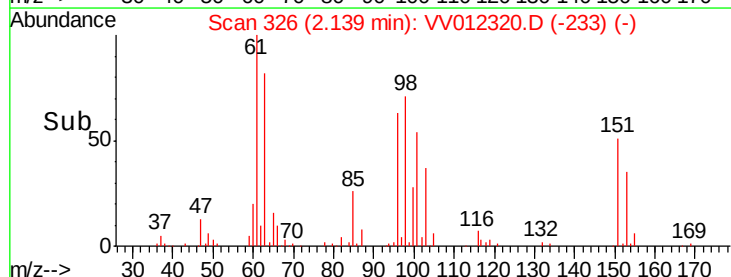
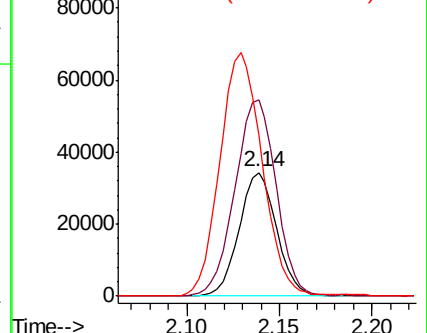
63 129.3 98.6 183.2

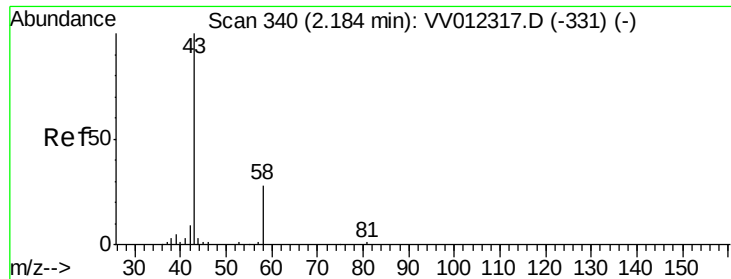


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 91.117 ug/L

RT: 2.18 min Scan# 340

Delta R.T. 0.00 min

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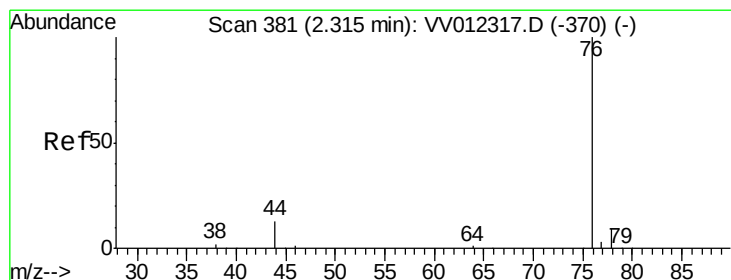
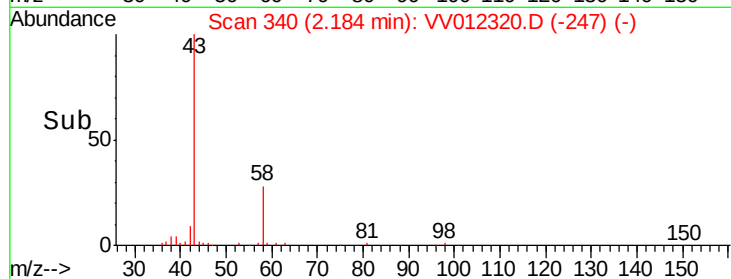
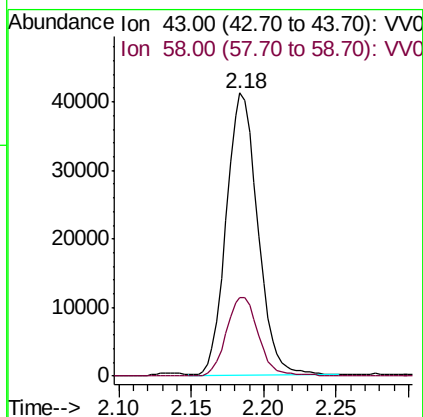
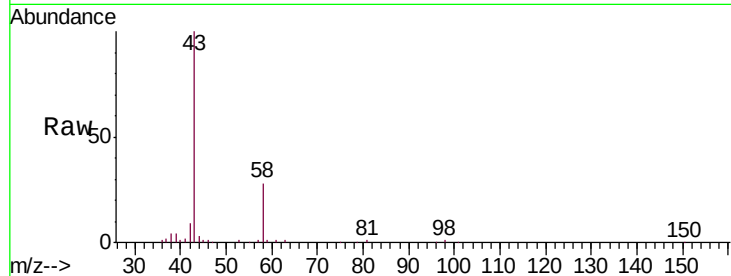
VICV65

Tgt Ion: 43 Resp: 62057

Ion Ratio Lower Upper

43 100

58 28.4 0.0 54.2



#14

Carbon disulfide

Concen: 47.522 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

Lab File: VV012320.D

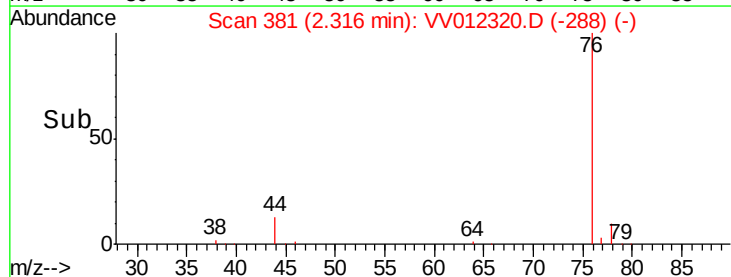
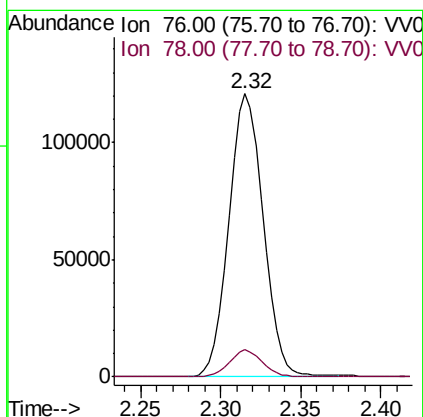
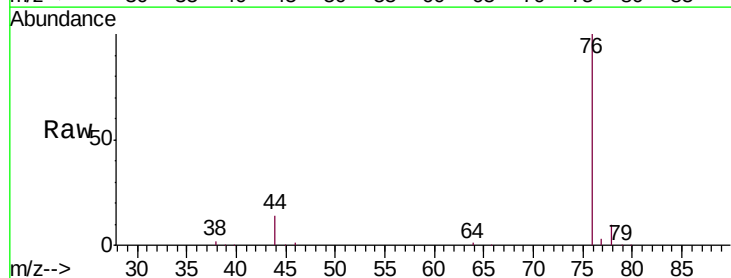
Acq: 21 Aug 2019 17:54

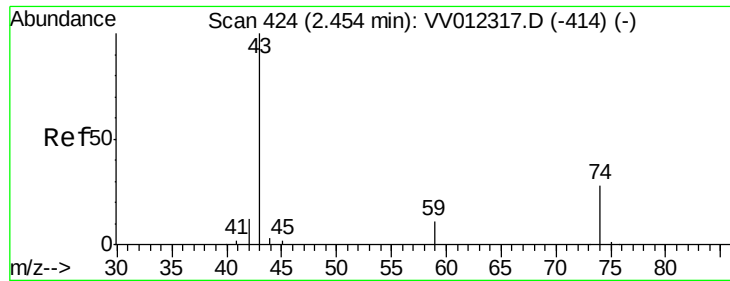
Tgt Ion: 76 Resp: 176999

Ion Ratio Lower Upper

76 100

78 9.5 7.6 11.4

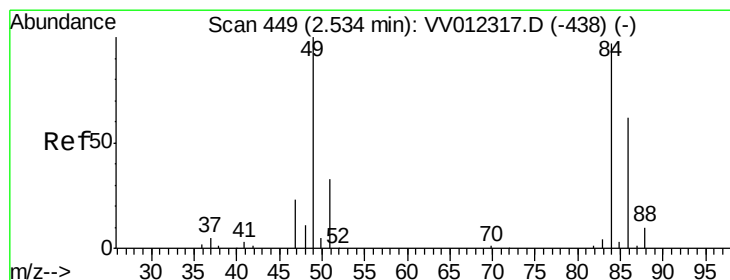
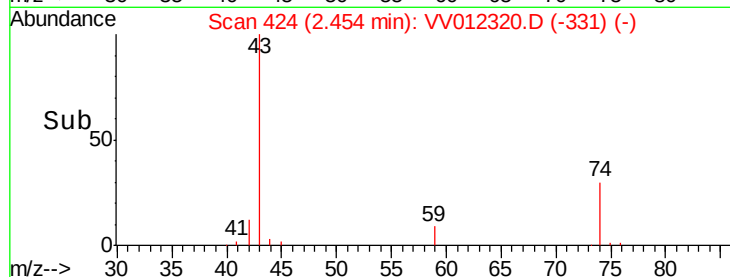
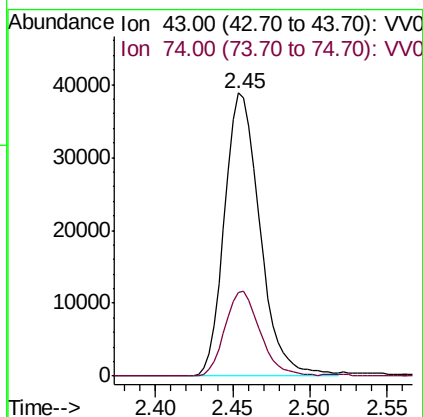
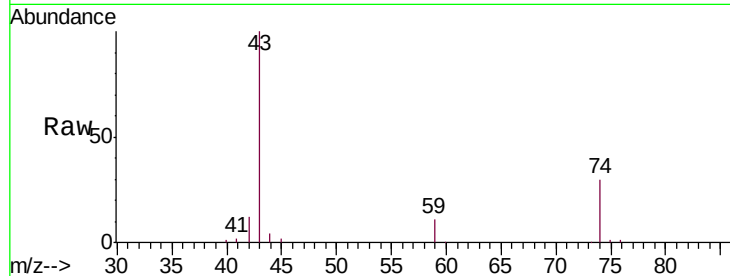




#15
Methyl Acetate
Concen: 48.459 ug/L
RT: 2.45 min Scan# 424
Delta R.T. 0.00 min
Lab File: VV012320.D
Acq: 21 Aug 2019 17:54

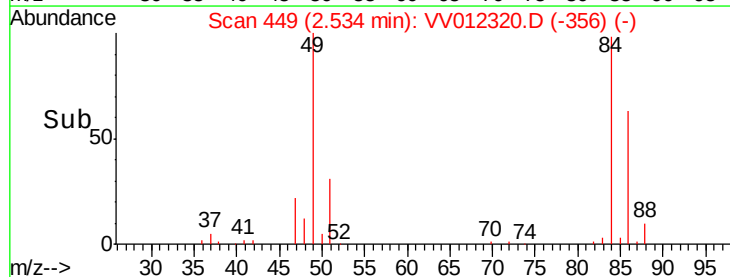
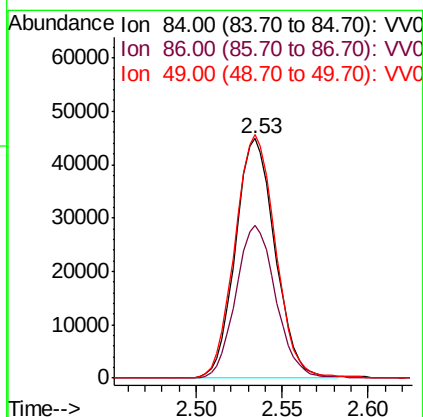
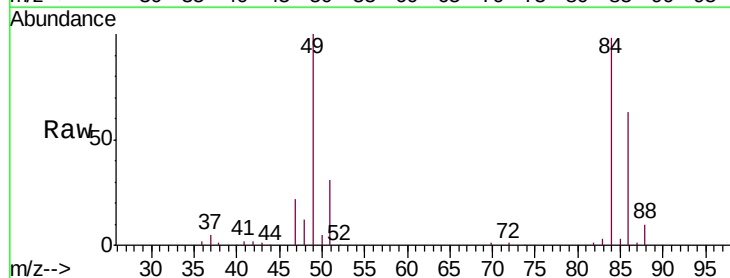
Instrument :
MSVOA_V
ClientSampleId :
VICV65

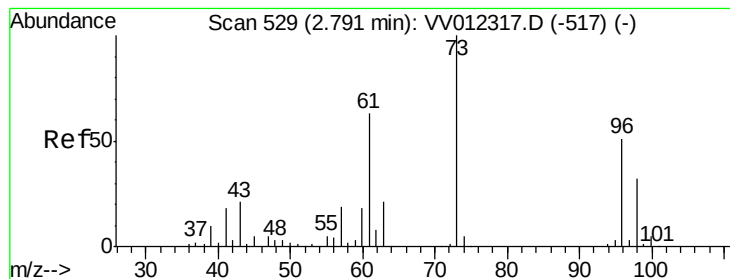
Tgt Ion: 43 Resp: 61930
Ion Ratio Lower Upper
43 100
74 29.6 22.6 33.8



#16
Methylene chloride
Concen: 47.640 ug/L
RT: 2.53 min Scan# 449
Delta R.T. 0.00 min
Lab File: VV012320.D
Acq: 21 Aug 2019 17:54

Tgt Ion: 84 Resp: 71800
Ion Ratio Lower Upper
84 100
86 63.6 44.7 83.1
49 101.8 72.1 133.9





#17

trans-1,2-Dichloroethene

Concen: 47.243 ug/L

RT: 2.79 min Scan# 529

Delta R.T. 0.00 min

Lab File: VV012320.D

Acq: 21 Aug 2019 17:54

Instrument :

MSVOA_V

ClientSampleId :

VICV65

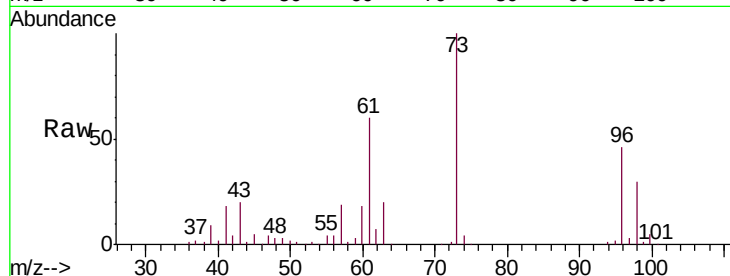
Tgt Ion: 96 Resp: 70722

Ion Ratio Lower Upper

96 100

61 130.8 87.0 161.6

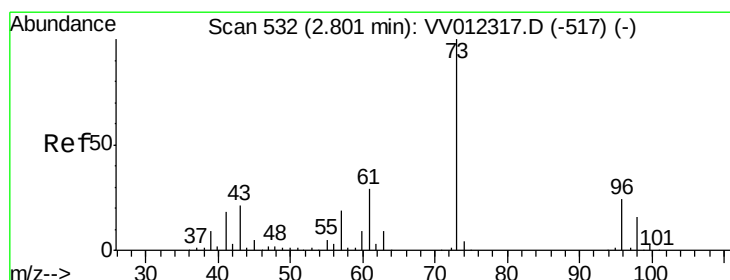
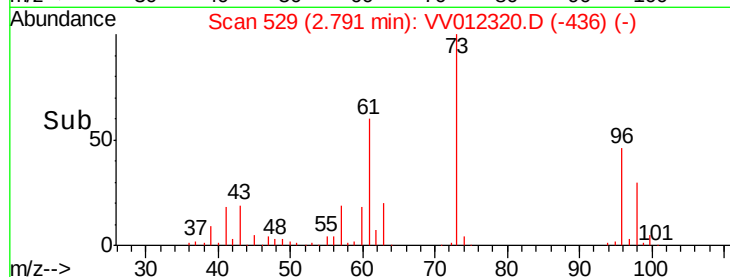
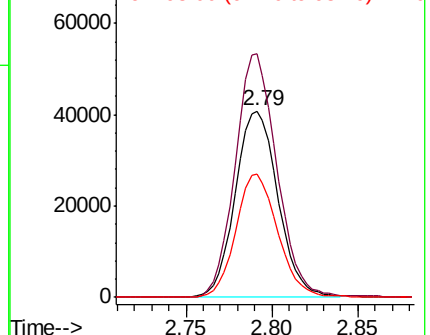
98 66.5 43.8 81.4



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: 49.239 ug/L

RT: 2.80 min Scan# 532

Delta R.T. 0.00 min

Lab File: VV012320.D

Acq: 21 Aug 2019 17:54

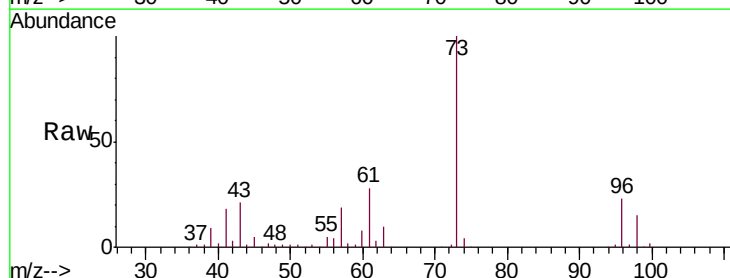
Tgt Ion: 73 Resp: 244193

Ion Ratio Lower Upper

73 100

43 20.5 16.6 25.0

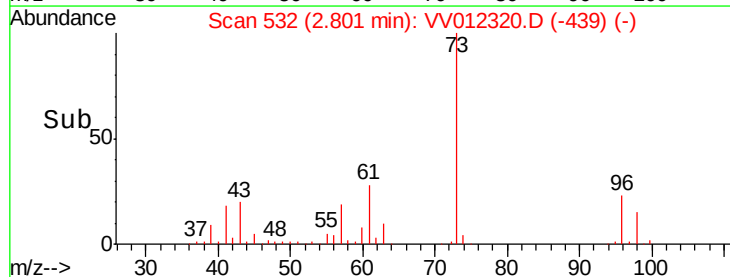
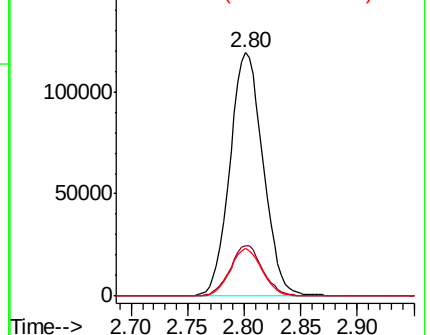
57 18.9 15.0 22.6

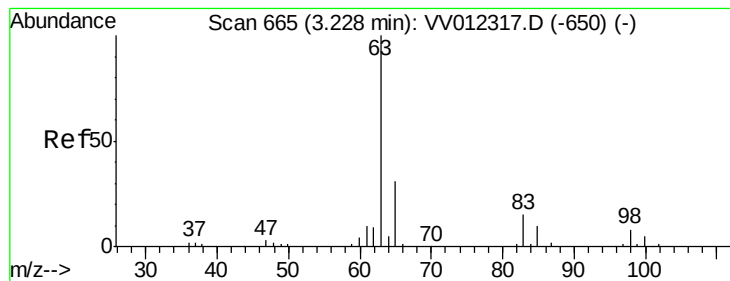


Abundance Ion 73.00 (72.70 to 73.70): VV0

Ion 43.00 (42.70 to 43.70): VV0

Ion 57.00 (56.70 to 57.70): VV0





#19

1,1-Dichloroethane

Concen: 48.387 ug/L

RT: 3.23 min Scan# 665

Delta R.T. 0.00 min

Lab File: VV012320.D

Acq: 21 Aug 2019 17:54

Instrument :

MSVOA_V

ClientSampleId :

VICV65

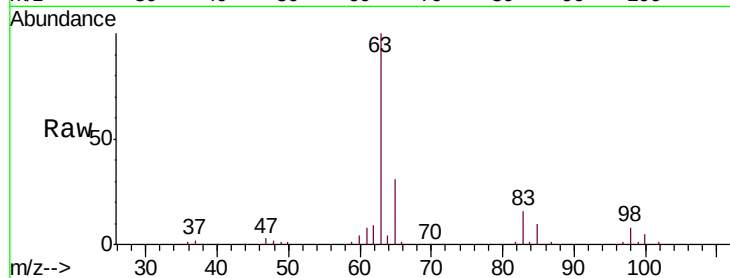
Tgt Ion: 63 Resp: 121630

Ion Ratio Lower Upper

63 100

65 31.5 21.7 40.3

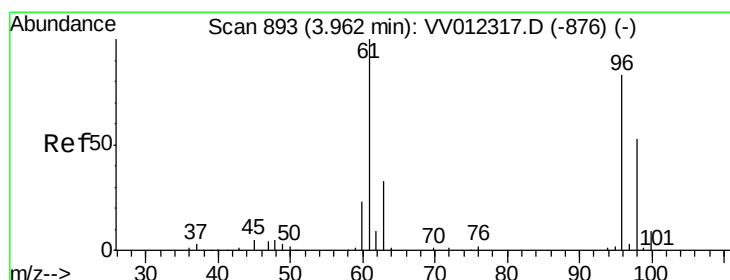
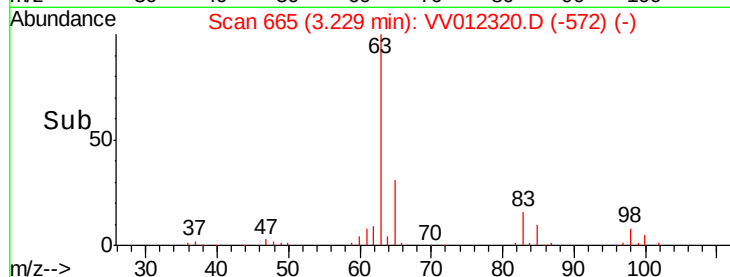
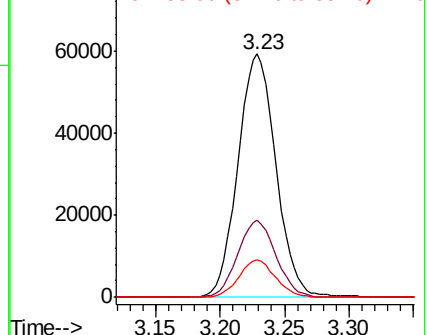
83 15.6 10.5 19.5



Abundance Ion 63.00 (62.70 to 63.70): VV0

Ion 65.00 (64.70 to 65.70): VV0

Ion 83.00 (82.70 to 83.70): VV0



#20

cis-1,2-Dichloroethene

Concen: 48.625 ug/L

RT: 3.96 min Scan# 892

Delta R.T. -0.00 min

Lab File: VV012320.D

Acq: 21 Aug 2019 17:54

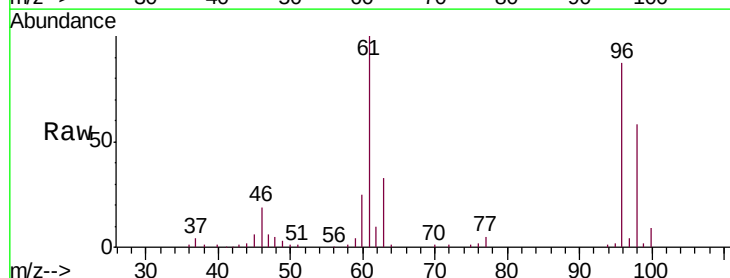
Tgt Ion: 96 Resp: 81001

Ion Ratio Lower Upper

96 100

61 114.5 84.4 156.7

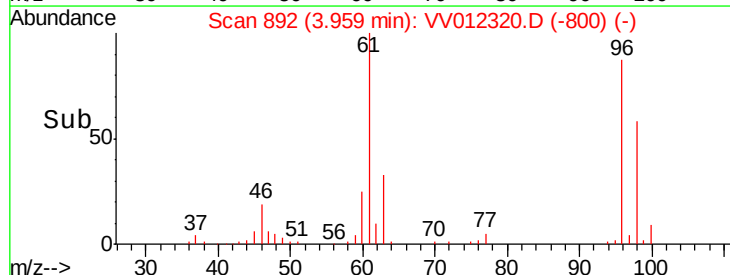
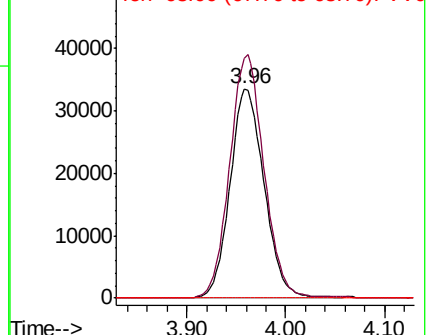
68 0.0 0.0 0.0

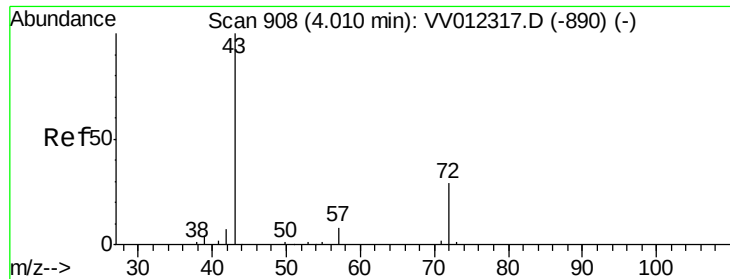


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 68.00 (67.70 to 68.70): VV0





#22

2-Butanone

Concen: 97.033 ug/L

RT: 4.01 min Scan# 907

Delta R.T. -0.00 min

Lab File: VV012320.D

Acq: 21 Aug 2019 17:54

Instrument :

MSVOA_V

ClientSampleId :

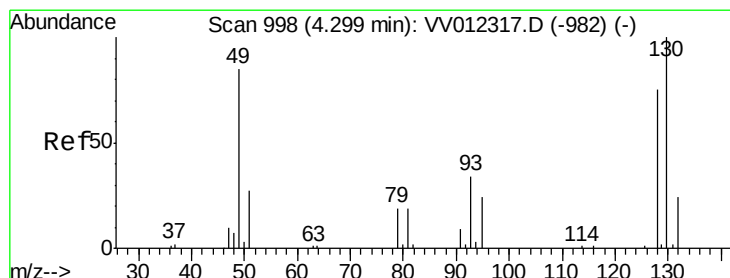
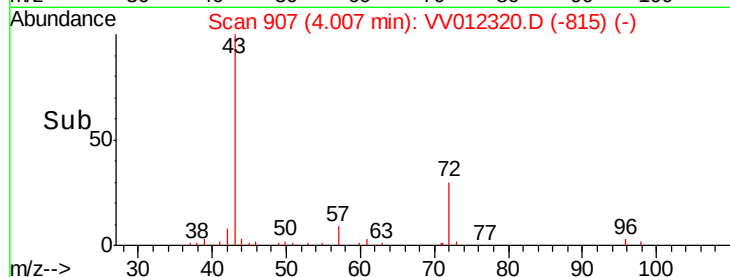
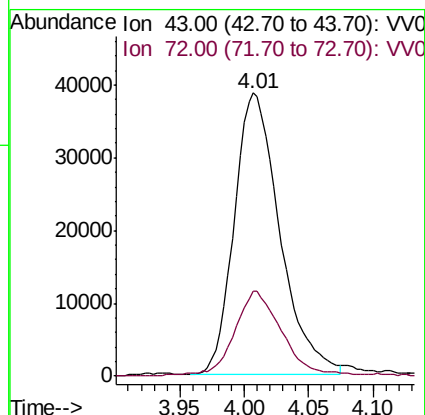
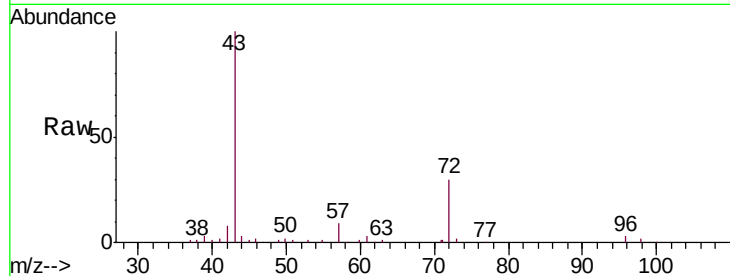
VICV65

Tgt Ion: 43 Resp: 94833

Ion Ratio Lower Upper

43 100

72 30.1 15.0 45.1



#23

Bromochloromethane

Concen: 48.043 ug/L

RT: 4.30 min Scan# 997

Delta R.T. -0.00 min

Lab File: VV012320.D

Acq: 21 Aug 2019 17:54

Tgt Ion: 128 Resp: 44281

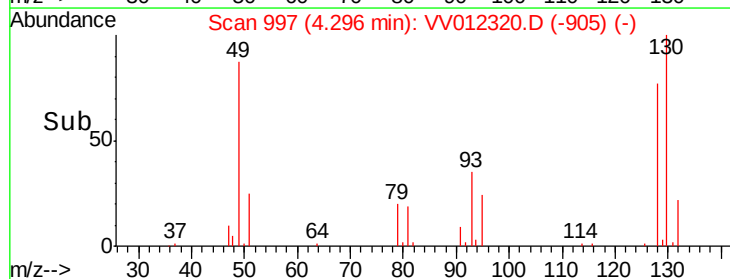
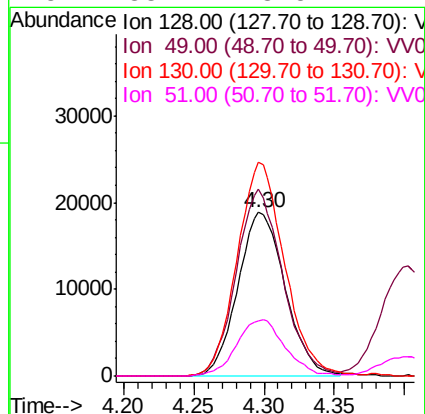
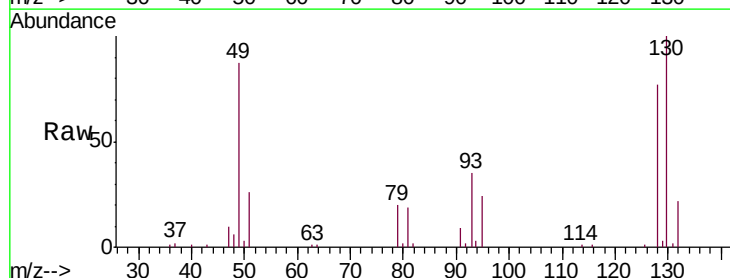
Ion Ratio Lower Upper

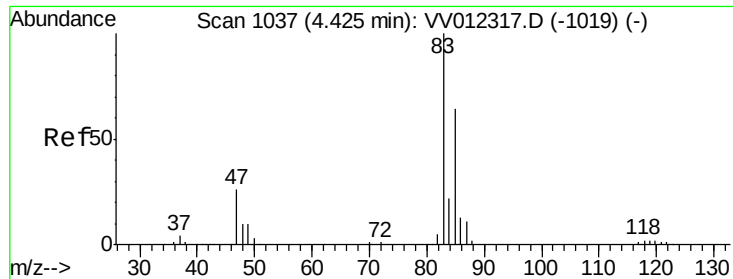
128 100

49 113.9 78.8 146.4

130 130.5 93.0 172.6

51 33.7 28.5 42.7

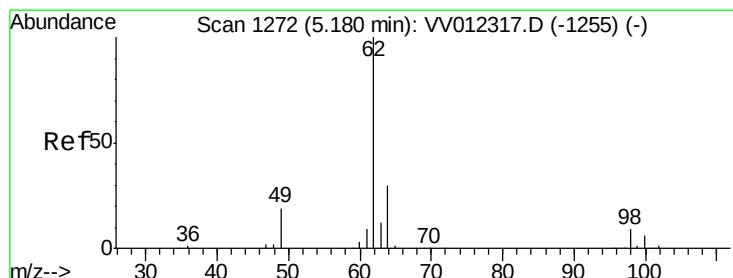
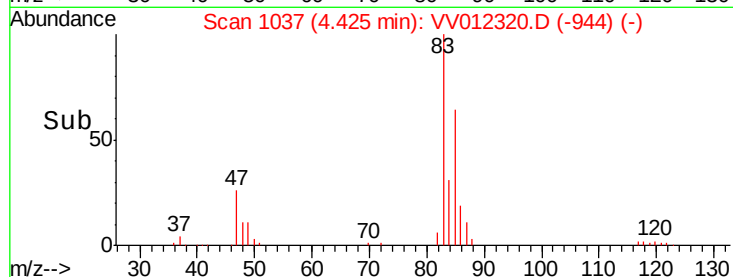
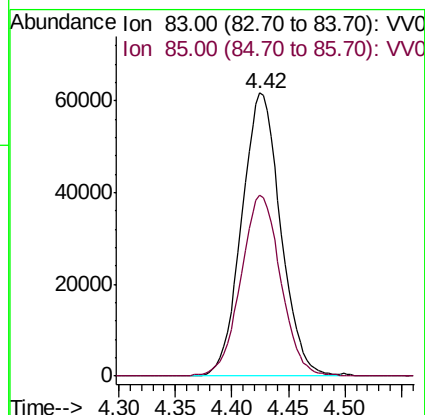
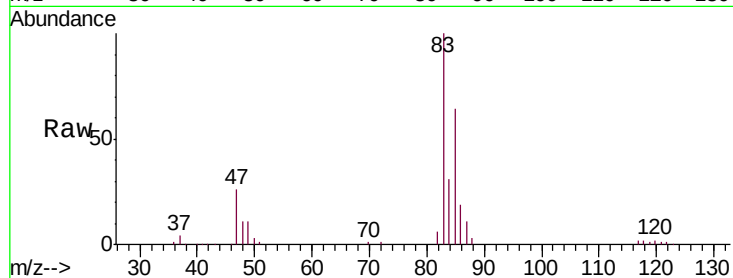




#25
Chloroform
Concen: 47.679 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. 0.00 min
Lab File: VV012320.D
Acq: 21 Aug 2019 17:54

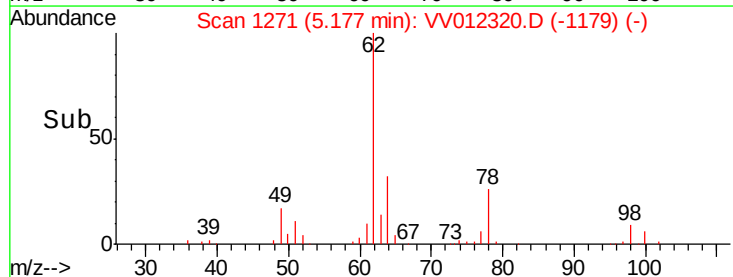
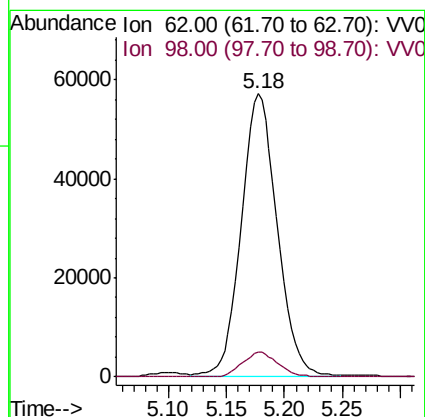
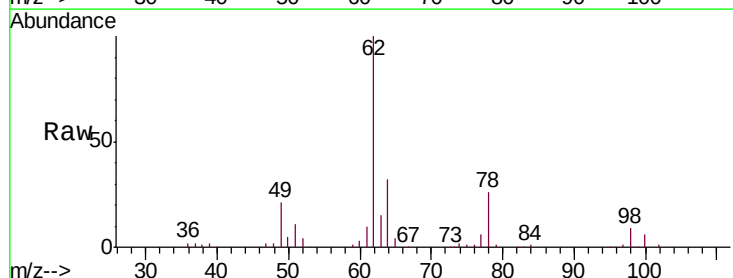
Instrument :
MSVOA_V
ClientSampleId :
VICV65

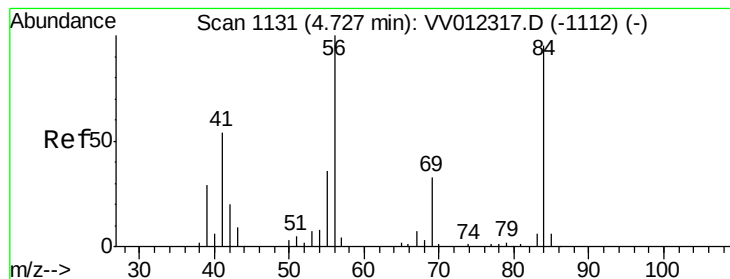
Tgt Ion: 83 Resp: 147960
Ion Ratio Lower Upper
83 100
85 64.1 44.5 82.7



#27
1,2-Dichloroethane
Concen: 48.810 ug/L
RT: 5.18 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VV012320.D
Acq: 21 Aug 2019 17:54

Tgt Ion: 62 Resp: 123122
Ion Ratio Lower Upper
62 100
98 8.9 6.9 10.3





#29

Cyclohexane

Concen: 47.846 ug/L

RT: 4.72 min Scan# 1130

Delta R.T. -0.00 min

Lab File: VV012320.D

Acq: 21 Aug 2019 17:54

Instrument :

MSVOA_V

ClientSampled :

VICV65

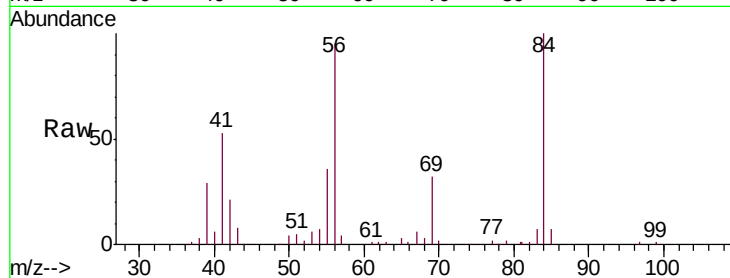
Tgt Ion: 56 Resp: 99641

Ion Ratio Lower Upper

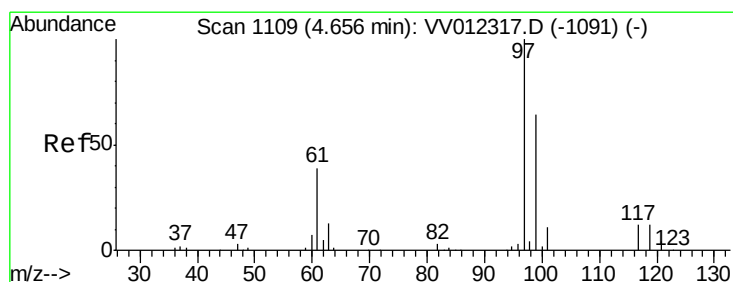
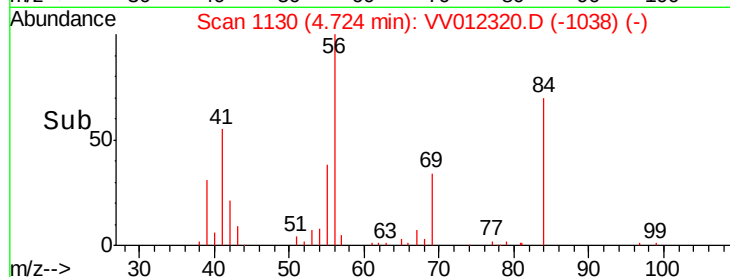
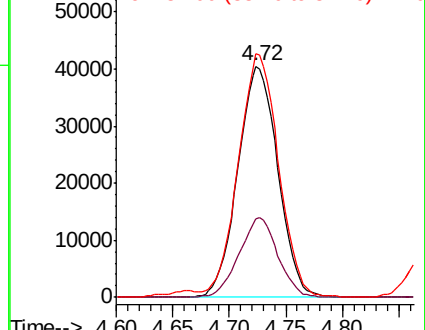
56 100

69 33.4 26.8 40.2

84 105.9 81.7 122.5



Abundance Ion 56.00 (55.70 to 56.70): VV0
Ion 69.00 (68.70 to 69.70): VV0
Ion 84.00 (83.70 to 84.70): VV0



#30

1,1,1-Trichloroethane

Concen: 48.407 ug/L

RT: 4.66 min Scan# 1109

Delta R.T. 0.00 min

Lab File: VV012320.D

Acq: 21 Aug 2019 17:54

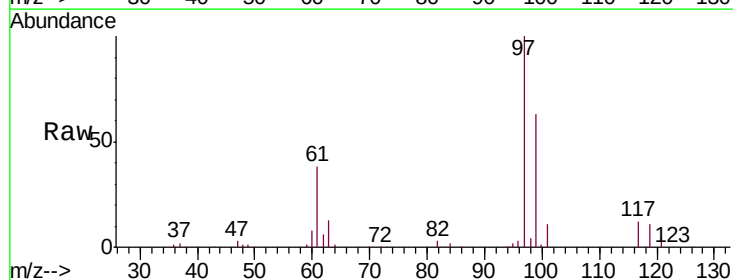
Tgt Ion: 97 Resp: 142539

Ion Ratio Lower Upper

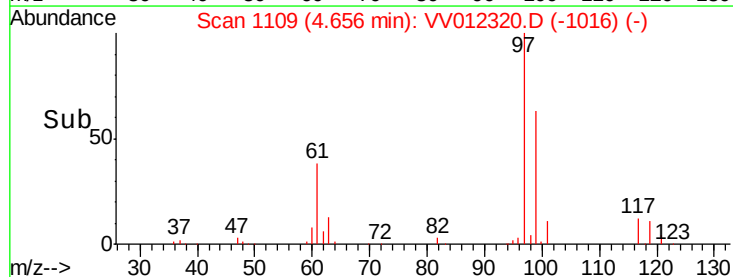
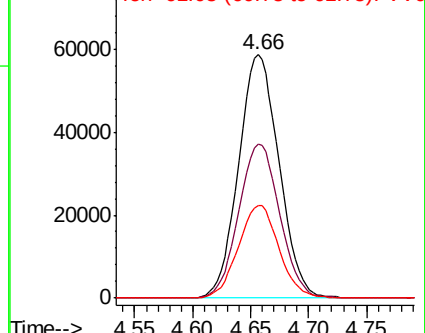
97 100

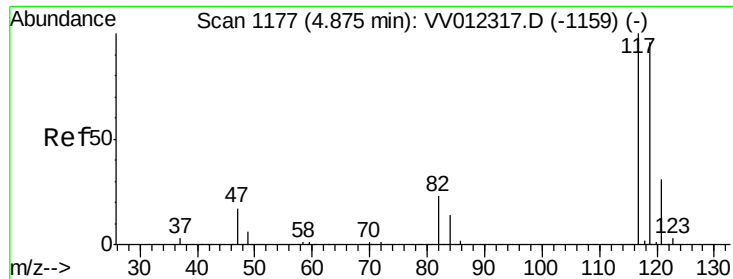
99 64.4 50.8 76.2

61 38.3 31.0 46.6



Abundance Ion 97.00 (96.70 to 97.70): VV0
Ion 99.00 (98.70 to 99.70): VV0
Ion 61.05 (60.75 to 61.75): VV0





#31

Carbon tetrachloride

Concen: 48.560 ug/L

RT: 4.87 min Scan# 1177

Delta R.T. 0.00 min

Lab File: VV012320.D

Acq: 21 Aug 2019 17:54

Instrument :

MSVOA_V

ClientSampleId :

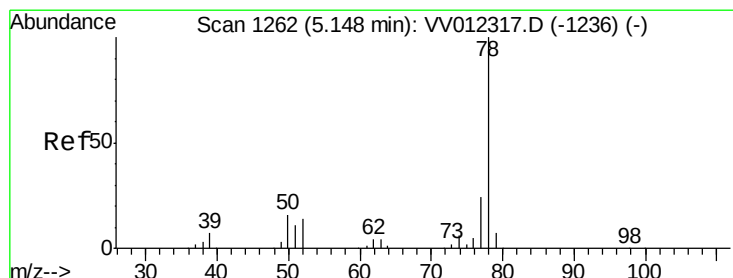
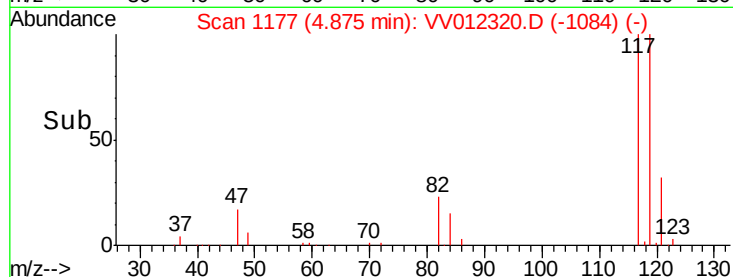
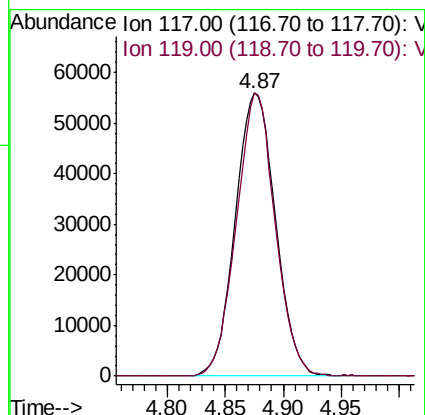
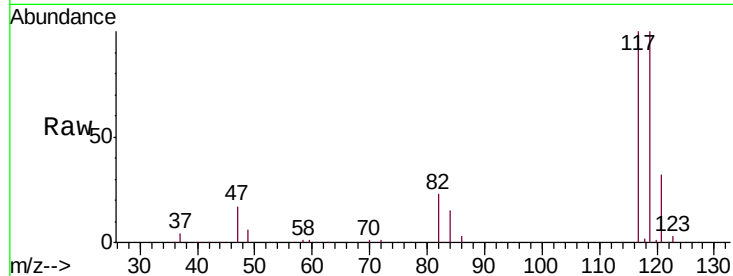
VICV65

Tgt Ion:117 Resp: 134322

Ion Ratio Lower Upper

117 100

119 96.6 77.7 116.5



#33

Benzene

Concen: 48.462 ug/L

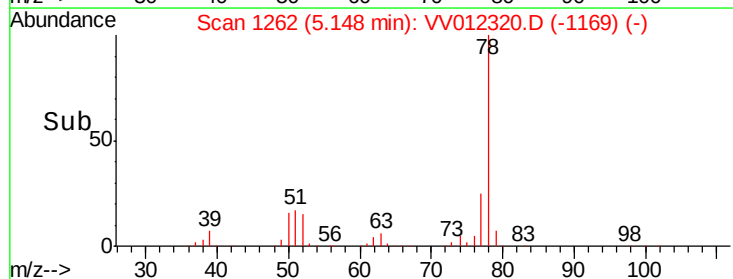
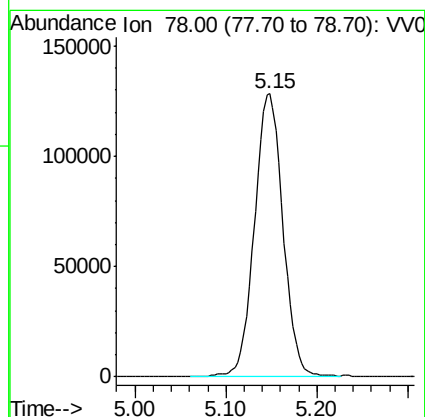
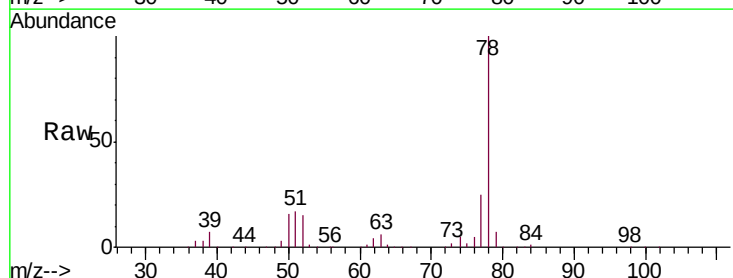
RT: 5.15 min Scan# 1262

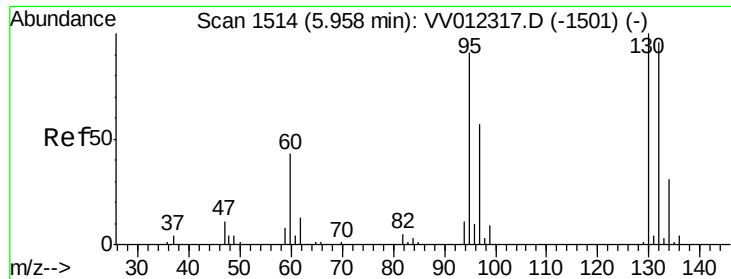
Delta R.T. 0.00 min

Lab File: VV012320.D

Acq: 21 Aug 2019 17:54

Tgt Ion: 78 Resp: 279429

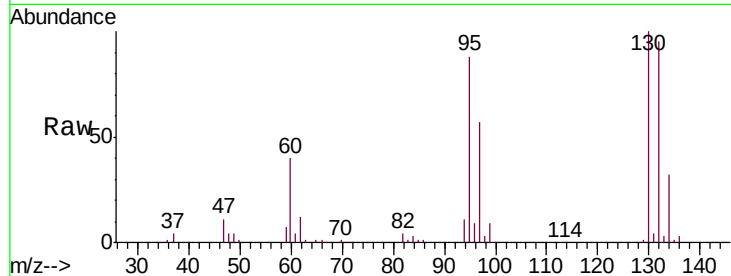




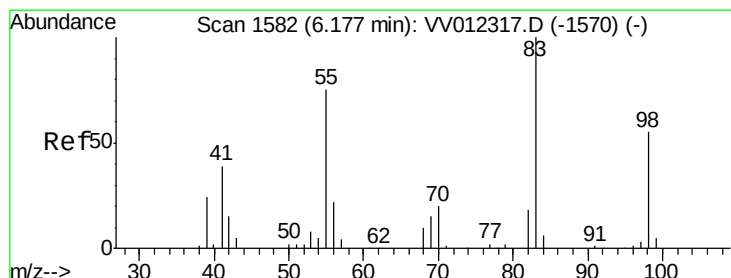
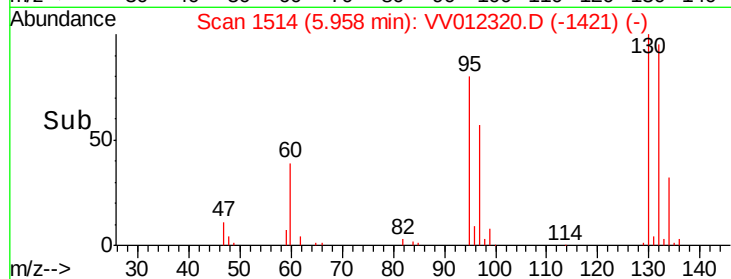
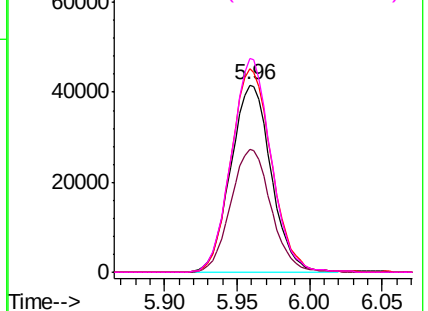
#34
 Trichloroethene
 Concen: 47.854 ug/L
 RT: 5.96 min Scan# 1514
 Delta R.T. 0.00 min
 Lab File: VV012320.D
 Acq: 21 Aug 2019 17:54

Instrument :
 MSVOA_V
 ClientSampleId :
 VICV65

Tgt Ion: 95 Resp: 80816
 Ion Ratio Lower Upper
 95 100
 97 65.3 43.6 81.0
 132 108.9 73.9 137.3
 130 114.1 76.6 142.2

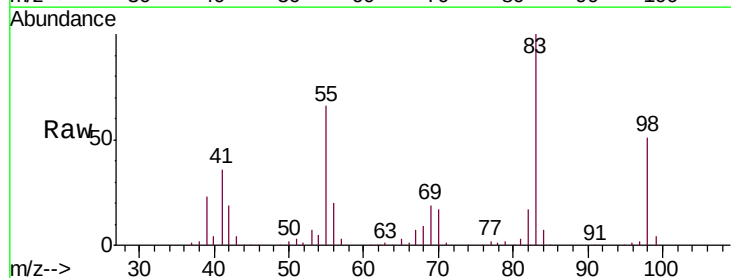


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 97.00 (96.70 to 97.70): VV0
 Ion 132.00 (131.70 to 132.70): VV0
 Ion 130.00 (129.70 to 130.70): VV0

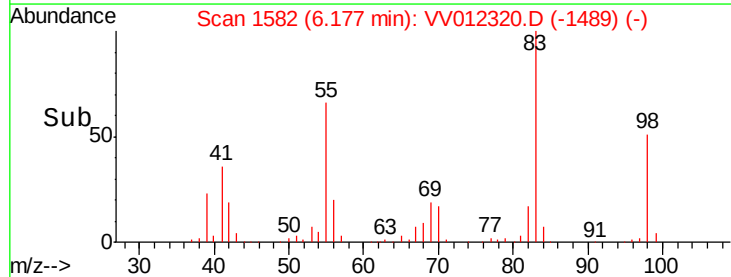
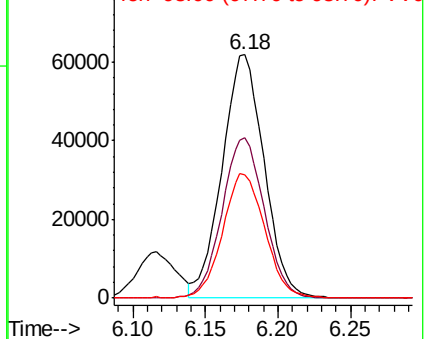


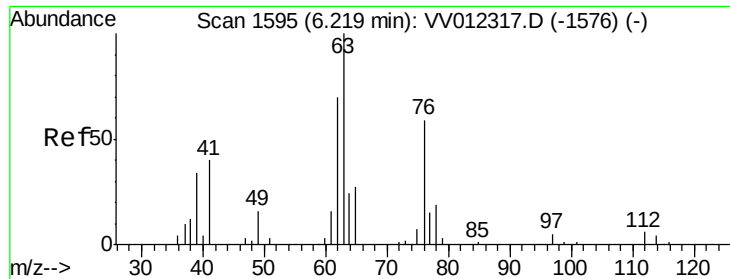
#35
 Methylcyclohexane
 Concen: 48.831 ug/L
 RT: 6.18 min Scan# 1582
 Delta R.T. 0.00 min
 Lab File: VV012320.D
 Acq: 21 Aug 2019 17:54

Tgt Ion: 83 Resp: 124690
 Ion Ratio Lower Upper
 83 100
 55 66.0 56.2 84.4
 98 51.4 42.2 63.4



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

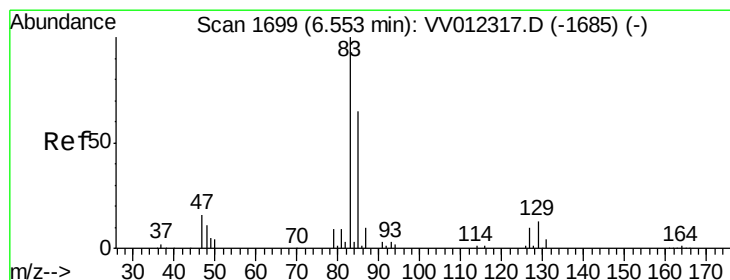
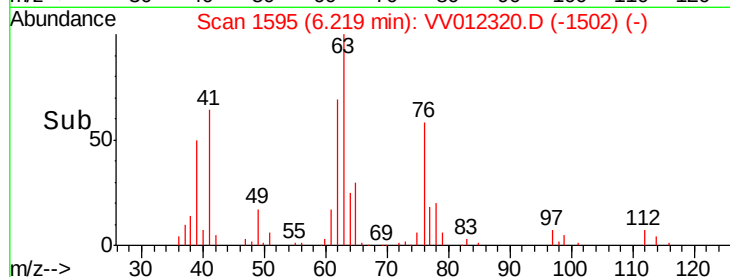
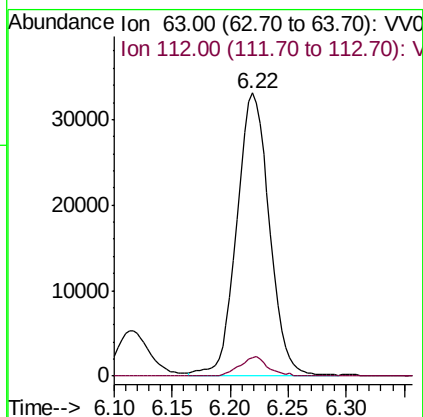
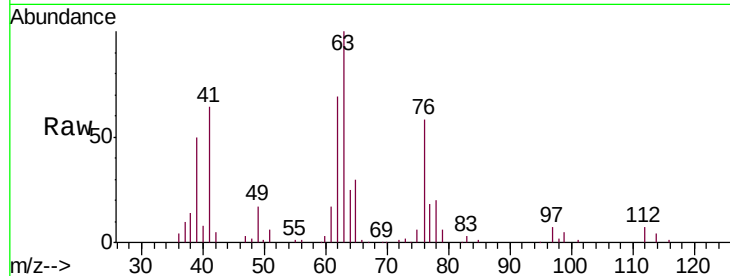




#37
 1,2-Dichloropropane
 Concen: 49.322 ug/L
 RT: 6.22 min Scan# 1595
 Delta R.T. 0.00 min
 Lab File: VV012320.D
 Acq: 21 Aug 2019 17:54

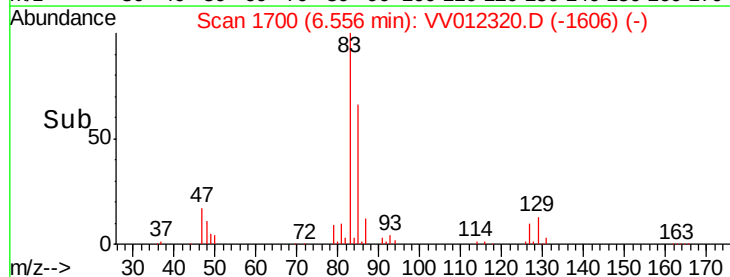
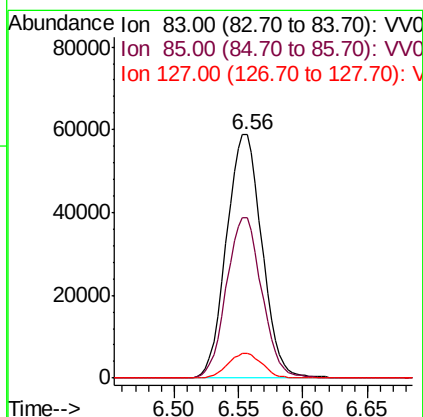
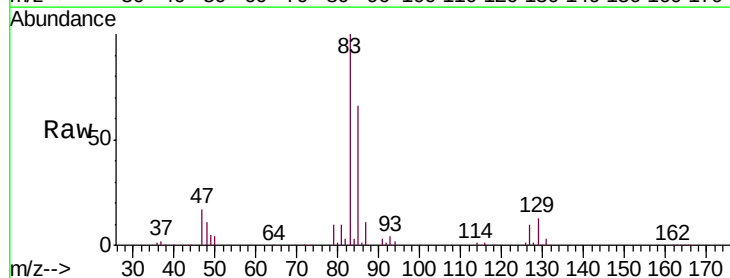
Instrument :
 MSVOA_V
 ClientSampleId :
 VICV65

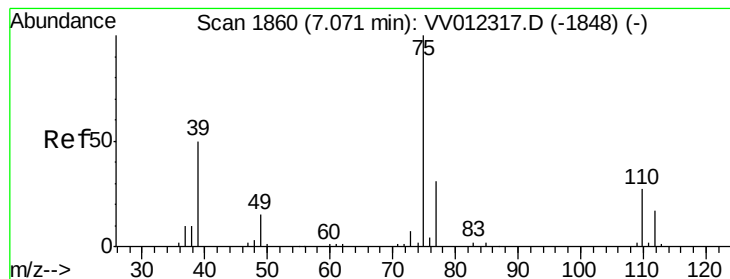
Tgt Ion: 63 Resp: 64468
 Ion Ratio Lower Upper
 63 100
 112 5.8 4.7 7.1



#38
 Bromodichloromethane
 Concen: 49.144 ug/L
 RT: 6.56 min Scan# 1700
 Delta R.T. 0.00 min
 Lab File: VV012320.D
 Acq: 21 Aug 2019 17:54

Tgt Ion: 83 Resp: 112434
 Ion Ratio Lower Upper
 83 100
 85 65.9 45.7 84.9
 127 10.2 7.8 11.8



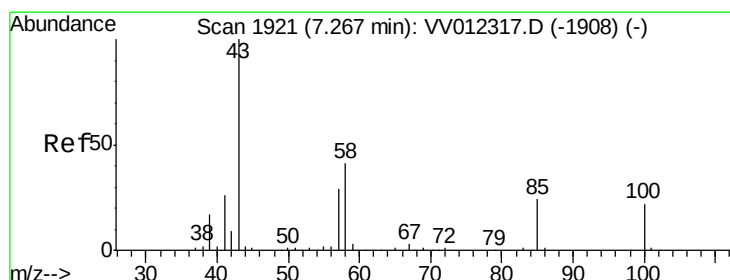
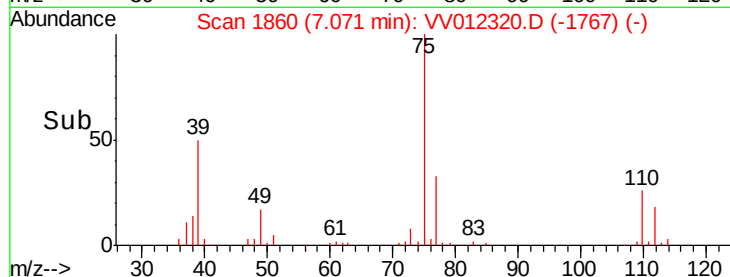
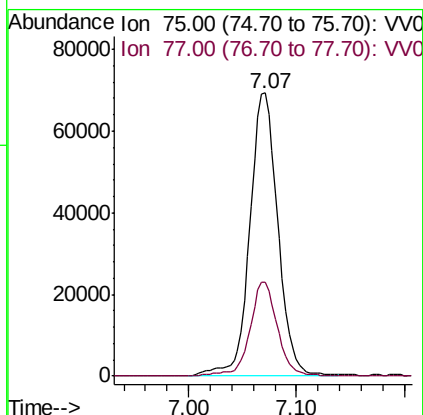
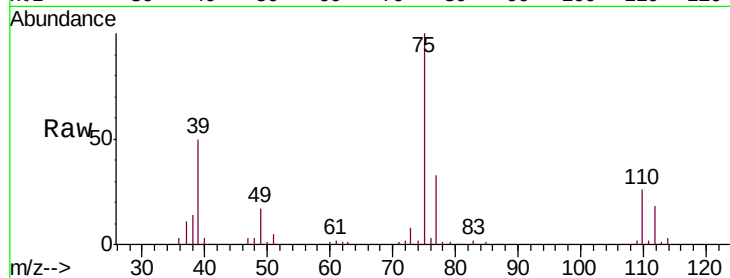


#39

cis-1,3-Dichloropropene
 Concen: 51.859 ug/L
 RT: 7.07 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VV012320.D
 Acq: 21 Aug 2019 17:54

Instrument :
 MSVOA_V
 ClientSampleId :
 VICV65

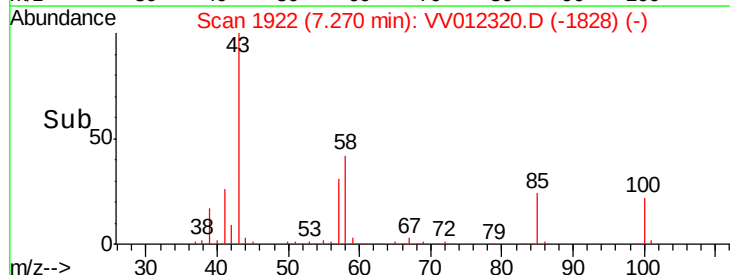
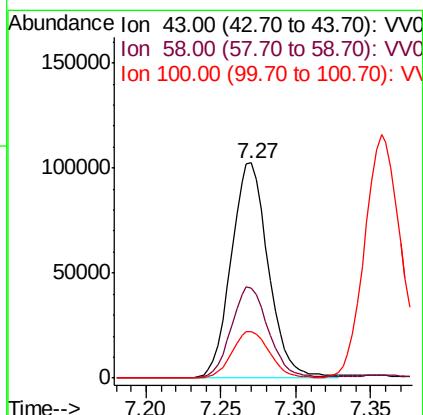
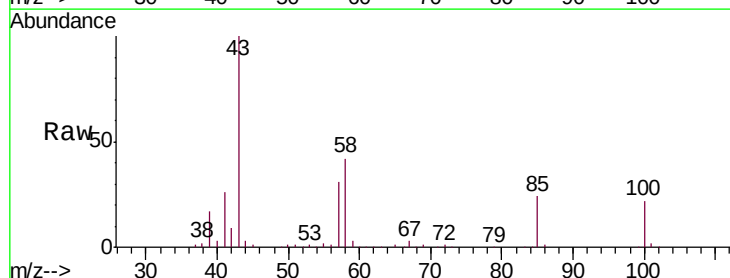
Tgt Ion: 75 Resp: 125834
 Ion Ratio Lower Upper
 75 100
 77 33.1 22.5 41.7

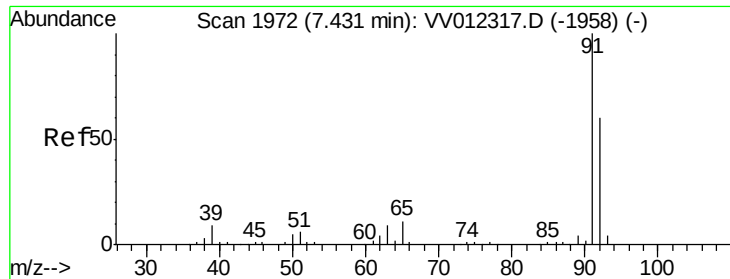


#40

4-Methyl-2-pentanone
 Concen: 100.953 ug/L
 RT: 7.27 min Scan# 1922
 Delta R.T. 0.00 min
 Lab File: VV012320.D
 Acq: 21 Aug 2019 17:54

Tgt Ion: 43 Resp: 177422
 Ion Ratio Lower Upper
 43 100
 58 42.7 33.7 50.5
 100 22.0 17.8 26.6





#42

Toluene

Concen: 49.141 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV012320.D

Acq: 21 Aug 2019 17:54

Instrument :

MSVOA_V

ClientSampleId :

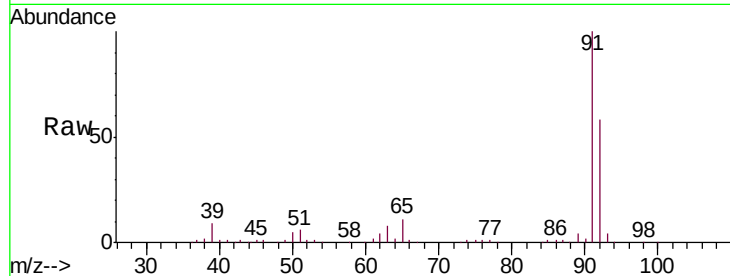
VICV65

Tgt Ion: 91 Resp: 319610

Ion Ratio Lower Upper

91 100

92 57.9 42.4 78.6



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 92.00 (91.70 to 92.70): VV0

7.43

200000

150000

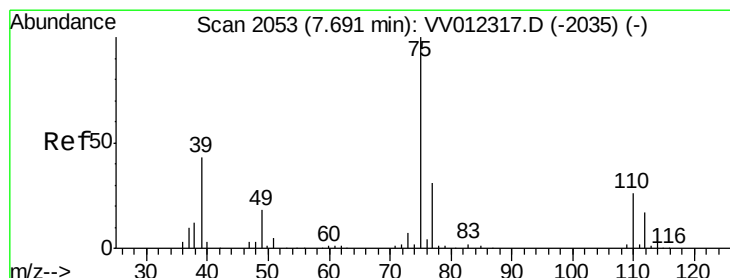
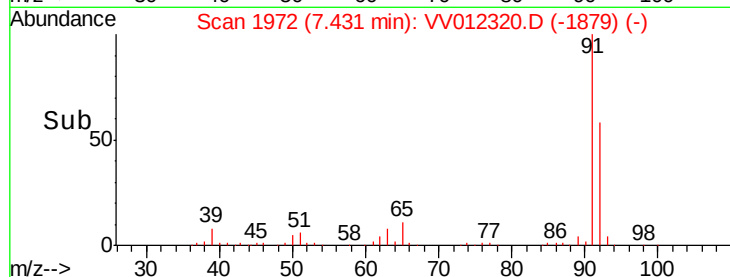
100000

50000

0

Time-->

7.35 7.40 7.45 7.50



#44

trans-1,3-Dichloropropene

Concen: 50.613 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. 0.00 min

Lab File: VV012320.D

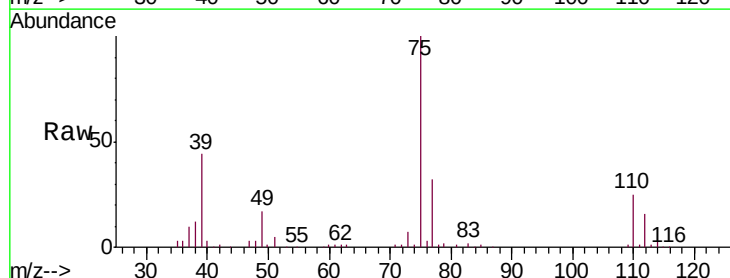
Acq: 21 Aug 2019 17:54

Tgt Ion: 75 Resp: 117049

Ion Ratio Lower Upper

75 100

77 31.8 21.7 40.3



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

7.69

80000

60000

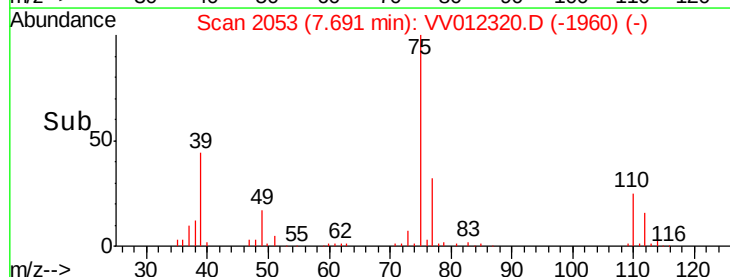
40000

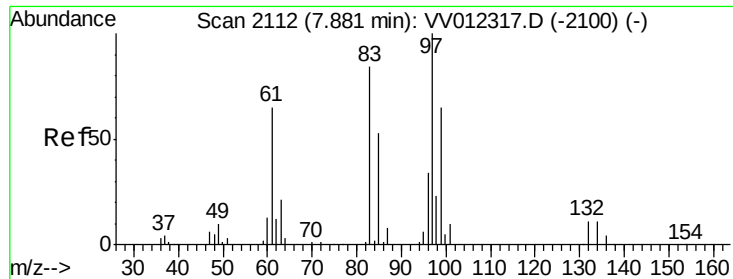
20000

0

Time-->

7.60 7.65 7.70 7.75

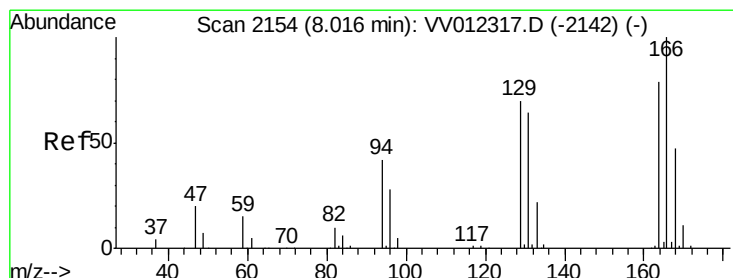
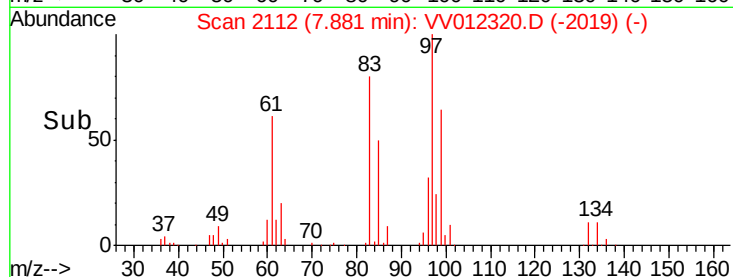
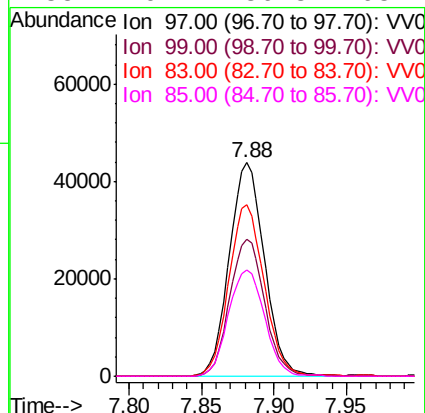
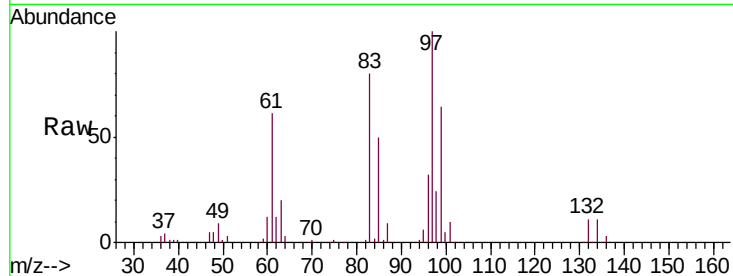




#45
 1,1,2-Trichloroethane
 Concen: 48.868 ug/L
 RT: 7.88 min Scan# 2112
 Delta R.T. 0.00 min
 Lab File: VV012320.D
 Acq: 21 Aug 2019 17:54

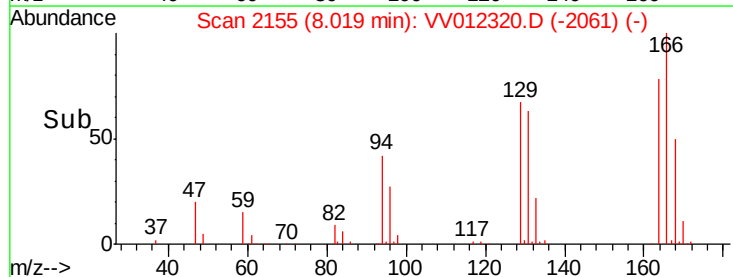
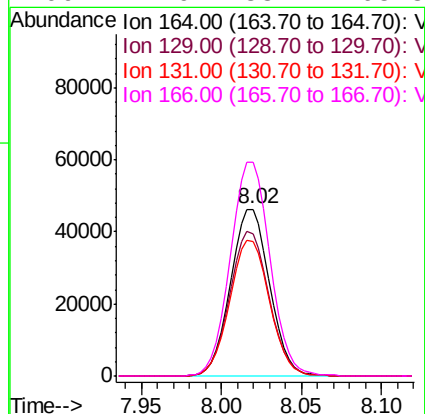
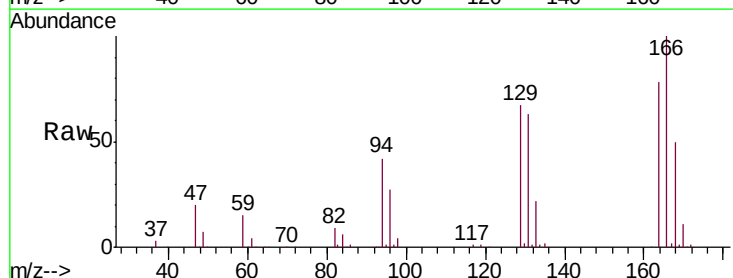
Instrument :
 MSVOA_V
 ClientSampleId :
 VICV65

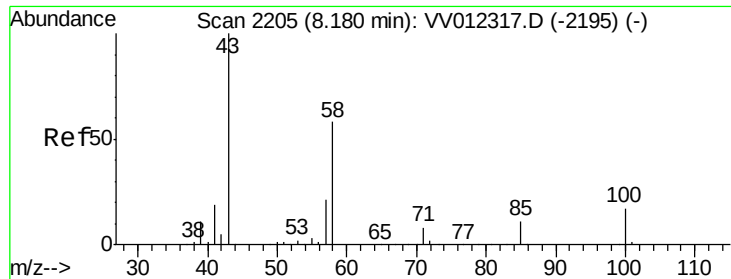
Tgt Ion:	97	Resp:	73842
Ion	Ratio	Lower	Upper
97	100		
99	63.9	45.5	84.5
83	80.5	58.5	108.7
85	49.7	36.8	68.4



#46
 Tetrachloroethene
 Concen: 47.562 ug/L
 RT: 8.02 min Scan# 2155
 Delta R.T. 0.00 min
 Lab File: VV012320.D
 Acq: 21 Aug 2019 17:54

Tgt Ion:	164	Resp:	76862
Ion	Ratio	Lower	Upper
164	100		
129	85.2	61.5	114.3
131	80.4	56.6	105.0
166	127.9	88.2	163.8

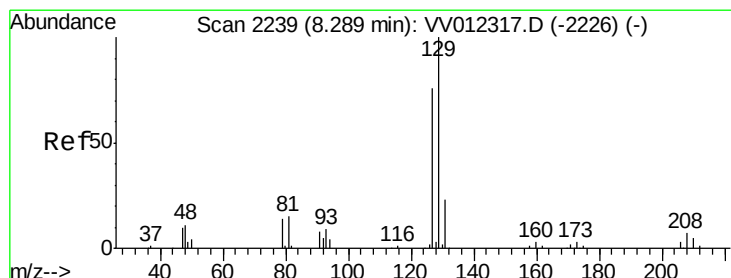
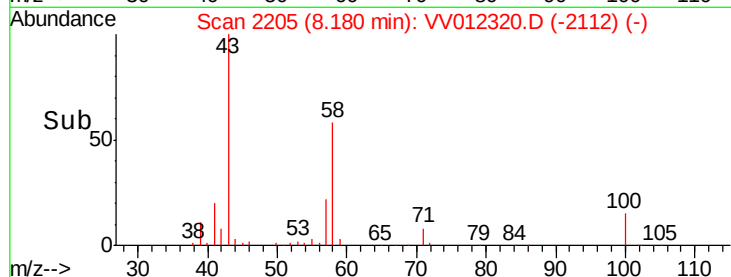
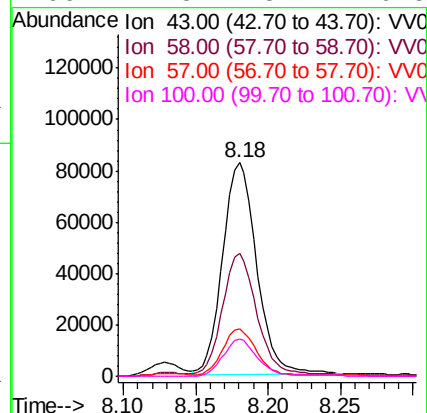
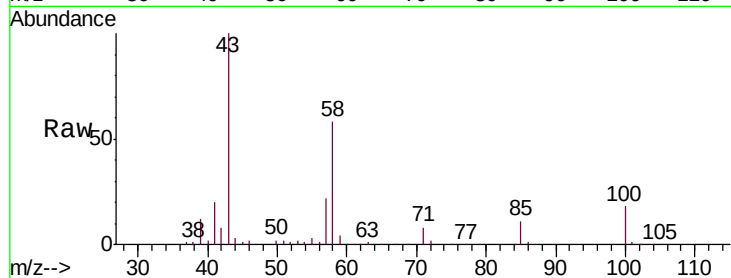




#48
2-Hexanone
Concen: 102.224 ug/L
RT: 8.18 min Scan# 2205
Delta R.T. 0.00 min
Lab File: VV012320.D
Acq: 21 Aug 2019 17:54

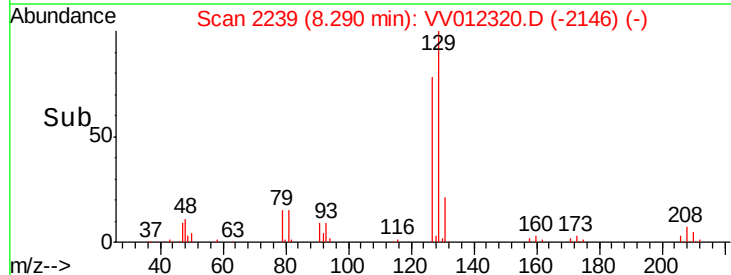
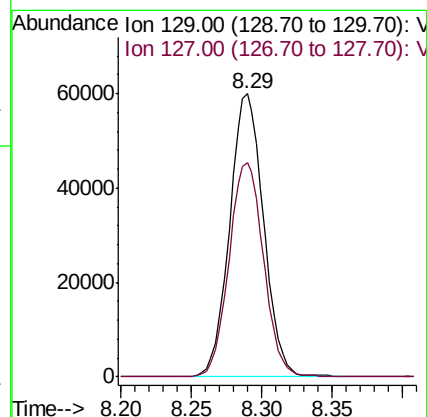
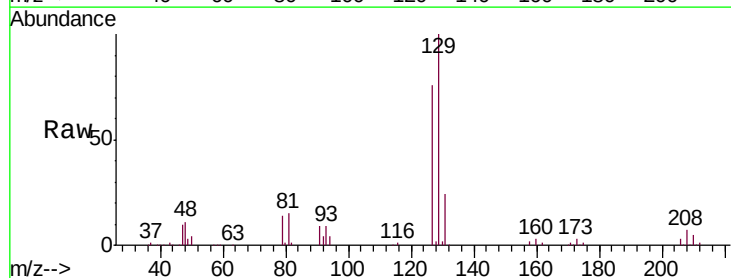
Instrument :
MSVOA_V
ClientSampleId :
VICV65

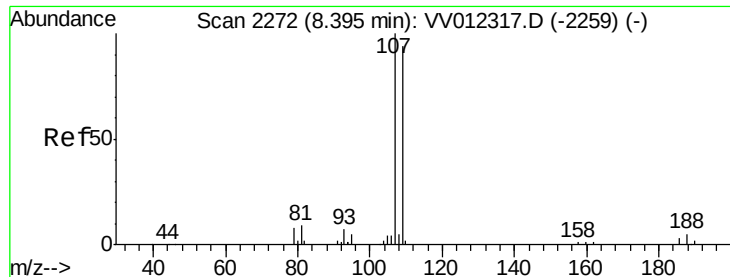
Tgt Ion: 43 Resp: 135632
Ion Ratio Lower Upper
43 100
58 57.6 45.7 68.5
57 22.1 16.8 25.2
100 17.8 13.7 20.5



#49
Dibromochloromethane
Concen: 49.324 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VV012320.D
Acq: 21 Aug 2019 17:54

Tgt Ion: 129 Resp: 100787
Ion Ratio Lower Upper
129 100
127 75.7 53.5 99.5

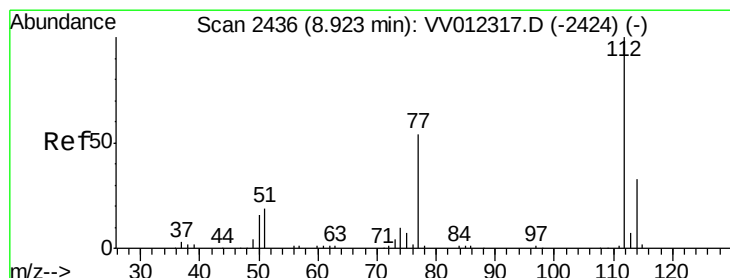
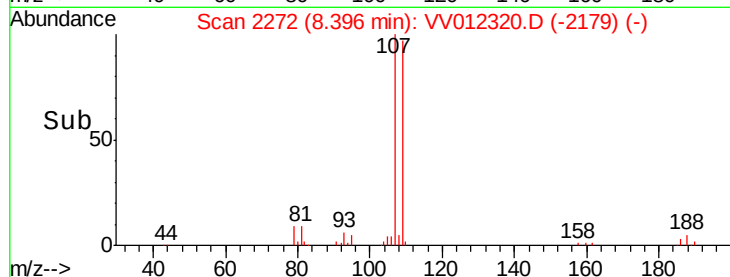
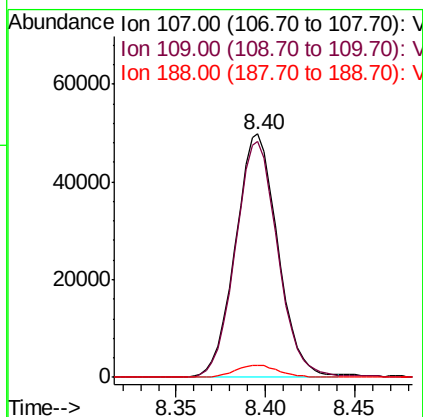
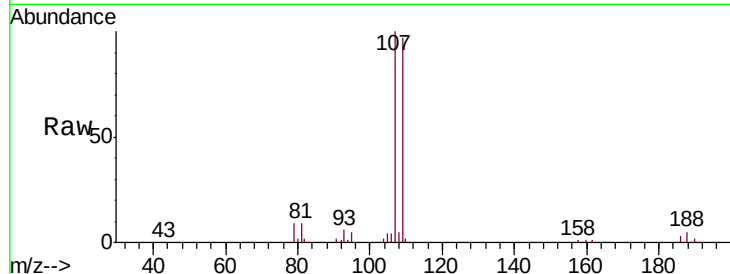




#50
 1,2-Dibromoethane
 Concen: 49.059 ug/L
 RT: 8.40 min Scan# 2272
 Delta R.T. 0.00 min
 Lab File: VV012320.D
 Acq: 21 Aug 2019 17:54

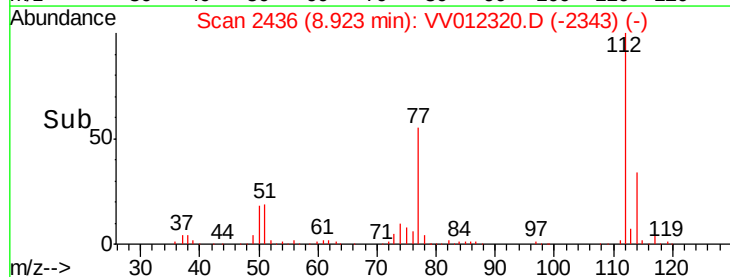
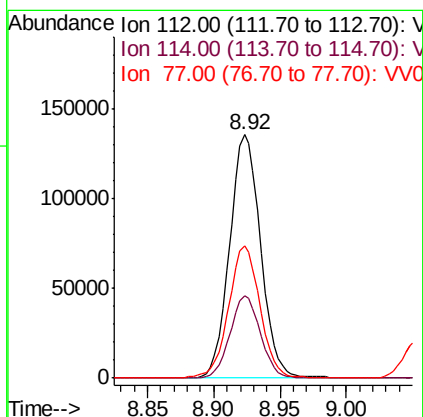
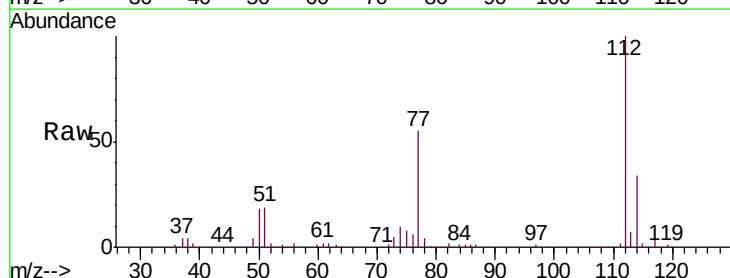
Instrument :
 MSVOA_V
 ClientSampleId :
 VICV65

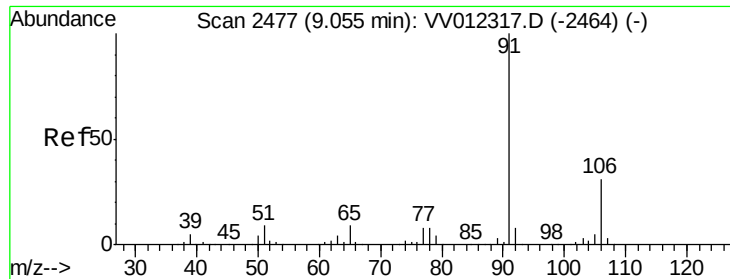
Tgt Ion:107 Resp: 82271
 Ion Ratio Lower Upper
 107 100
 109 97.1 65.7 121.9
 188 5.3 3.9 5.9



#51
 Chlorobenzene
 Concen: 49.073 ug/L
 RT: 8.92 min Scan# 2436
 Delta R.T. 0.00 min
 Lab File: VV012320.D
 Acq: 21 Aug 2019 17:54

Tgt Ion:112 Resp: 220952
 Ion Ratio Lower Upper
 112 100
 114 33.9 23.4 43.6
 77 54.6 43.8 65.6





#52

Ethylbenzene

Concen: 48.646 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. 0.00 min

Lab File: VV012320.D

Acq: 21 Aug 2019 17:54

Instrument :

MSVOA_V

ClientSampleId :

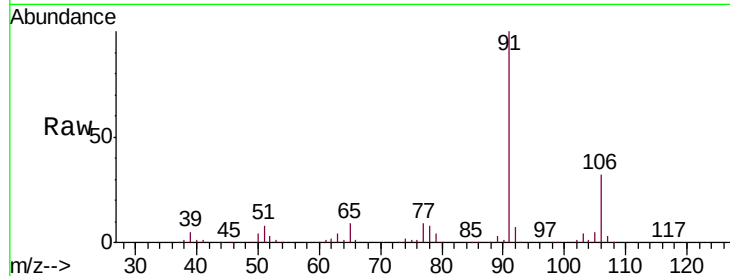
VICV65

Tgt Ion: 91 Resp: 365666

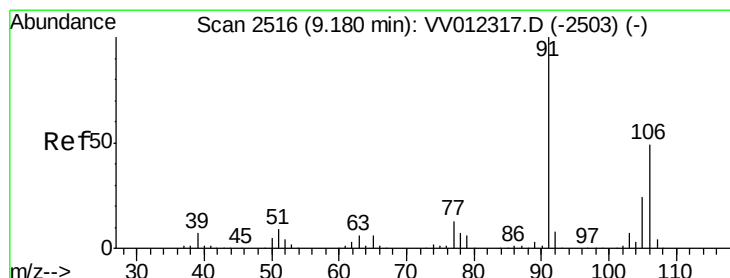
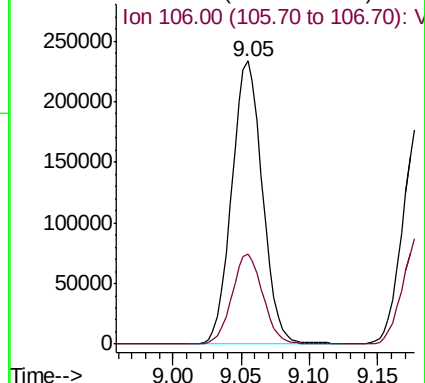
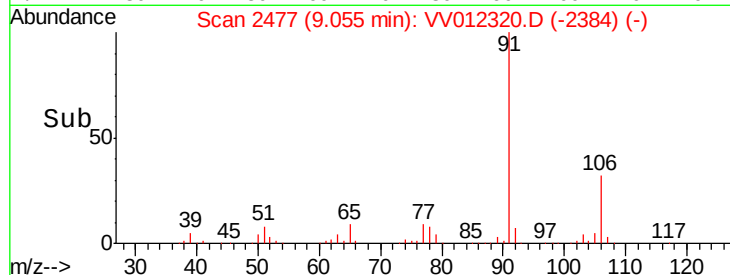
Ion Ratio Lower Upper

91 100

106 31.9 22.0 41.0



Abundance Ion 91.00 (90.70 to 91.70): VV012320.D (-2384) (-)



#53

m,p-Xylene

Concen: 49.408 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. 0.00 min

Lab File: VV012320.D

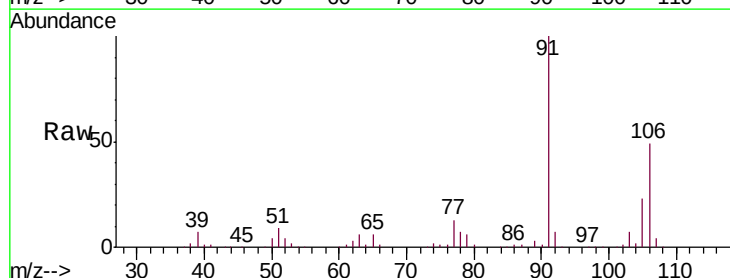
Acq: 21 Aug 2019 17:54

Tgt Ion: 106 Resp: 144139

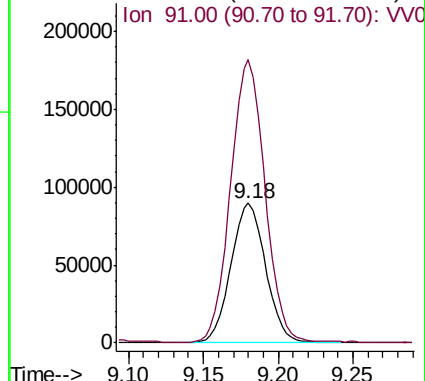
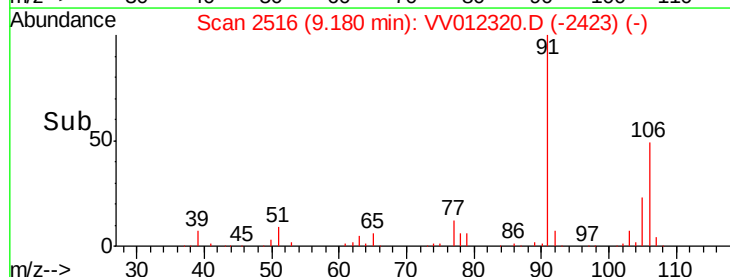
Ion Ratio Lower Upper

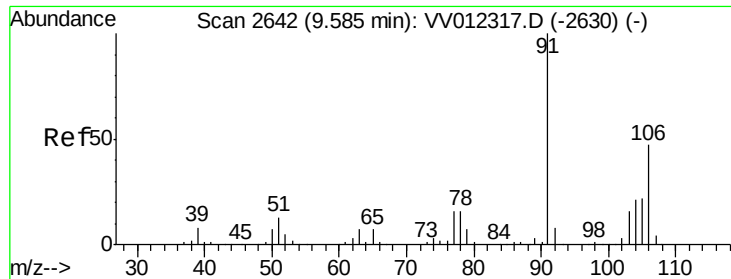
106 100

91 202.3 143.5 266.5



Abundance Ion 106.00 (105.70 to 106.70): VV012320.D (-2423) (-)

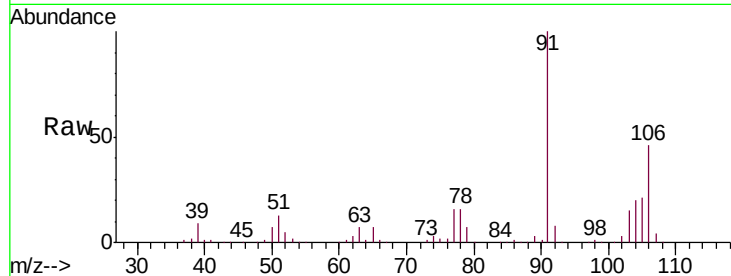




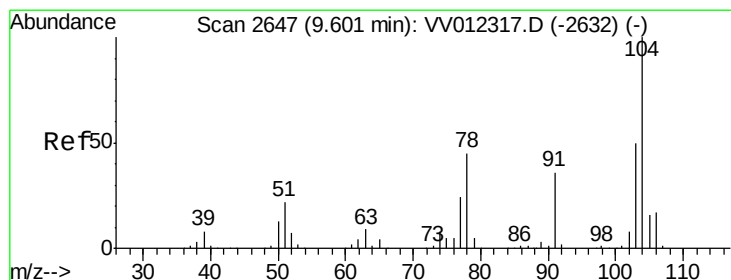
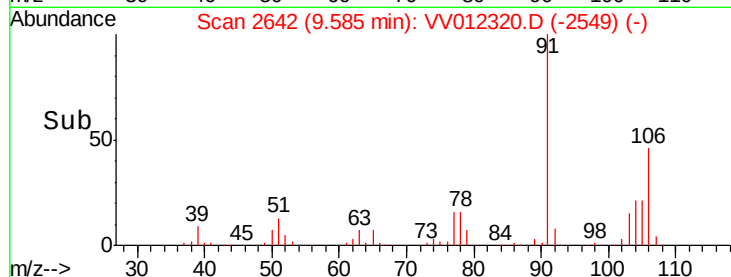
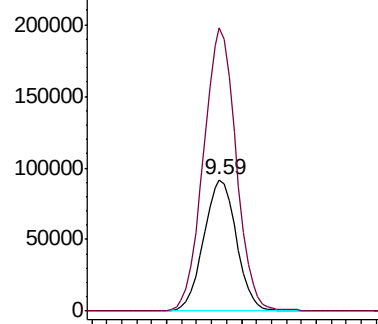
#54
o-xylene
Concen: 48.874 ug/L
RT: 9.59 min Scan# 2642
Delta R.T. 0.00 min
Lab File: VV012320.D
Acq: 21 Aug 2019 17:54

Instrument :
MSVOA_V
ClientSampled :
VICV65

Tgt Ion:106 Resp: 139951
Ion Ratio Lower Upper
106 100
91 215.7 149.2 277.0

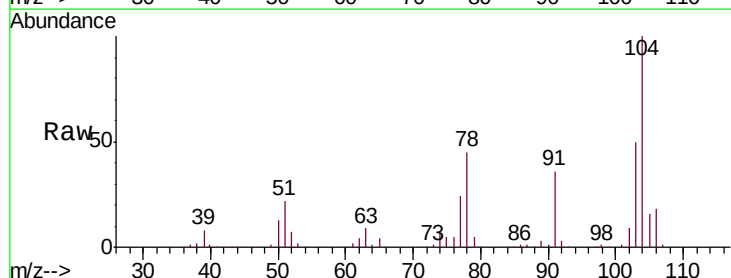


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0

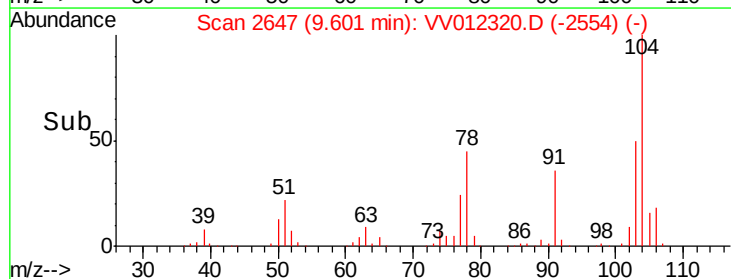
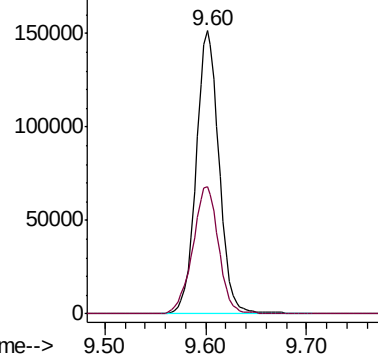


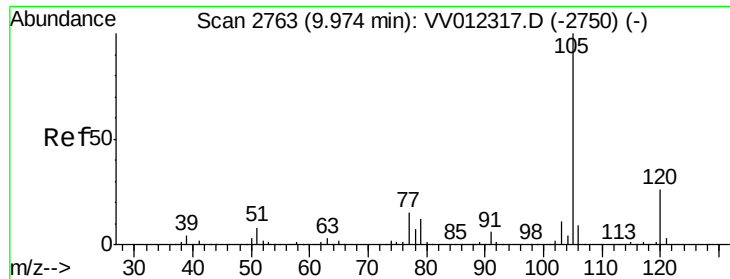
#55
Styrene
Concen: 50.268 ug/L
RT: 9.60 min Scan# 2647
Delta R.T. 0.00 min
Lab File: VV012320.D
Acq: 21 Aug 2019 17:54

Tgt Ion:104 Resp: 241039
Ion Ratio Lower Upper
104 100
78 45.1 31.8 59.0



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 49.246 ug/L

RT: 9.97 min Scan# 2762

Delta R.T. -0.00 min

Lab File: VV012320.D

Acq: 21 Aug 2019 17:54

Instrument :

MSVOA_V

ClientSampleId :

VICV65

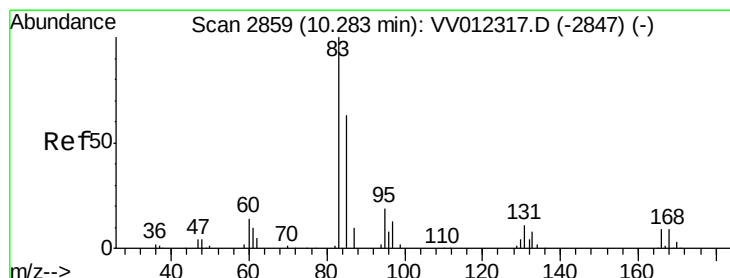
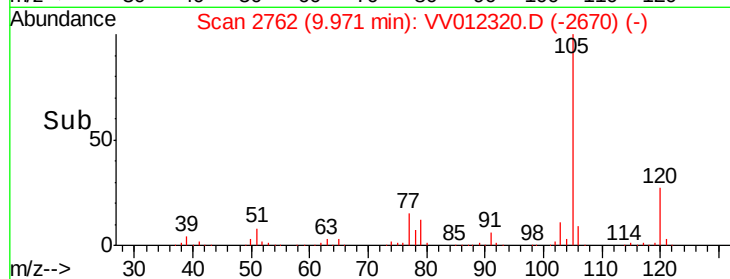
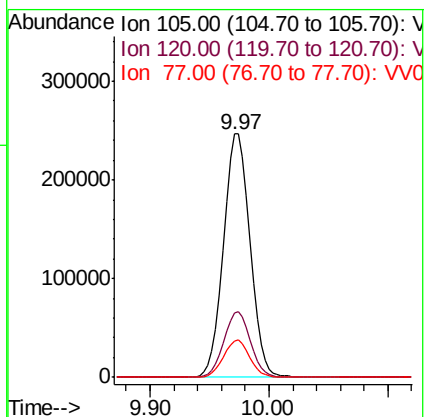
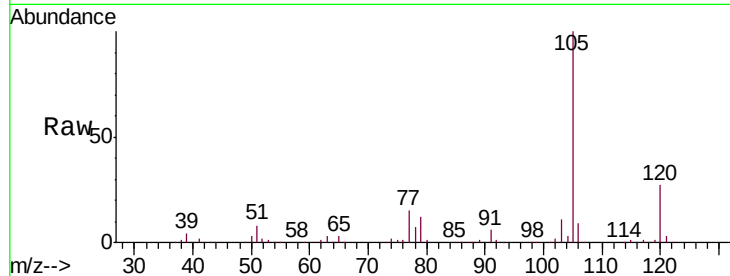
Tgt Ion: 105 Resp: 382042

Ion Ratio Lower Upper

105 100

120 26.9 21.2 31.8

77 15.2 12.2 18.2



#58

1,1,2,2-Tetrachloroethane

Concen: 49.571 ug/L

RT: 10.28 min Scan# 2859

Delta R.T. 0.00 min

Lab File: VV012320.D

Acq: 21 Aug 2019 17:54

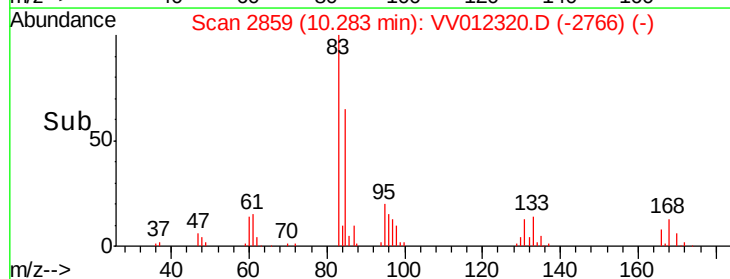
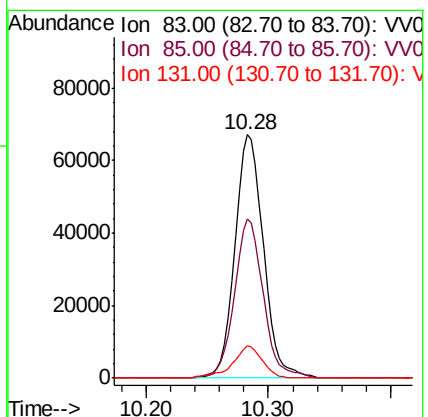
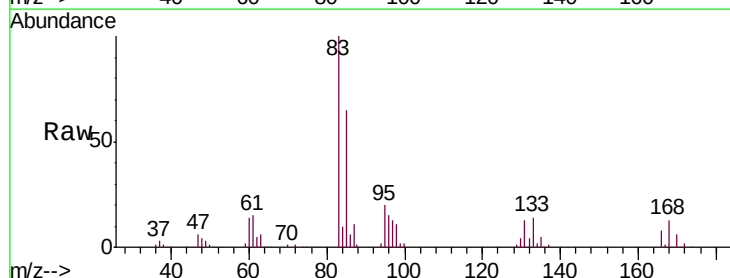
Tgt Ion: 83 Resp: 108844

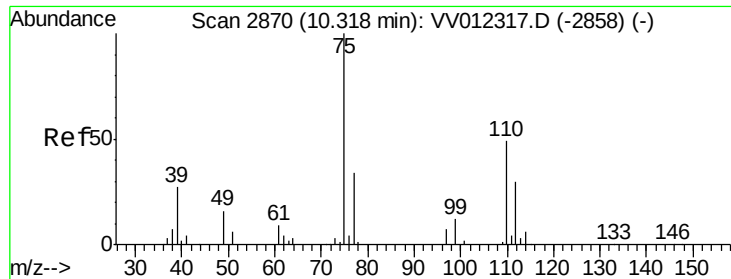
Ion Ratio Lower Upper

83 100

85 65.4 44.6 82.8

131 13.1 9.7 14.5

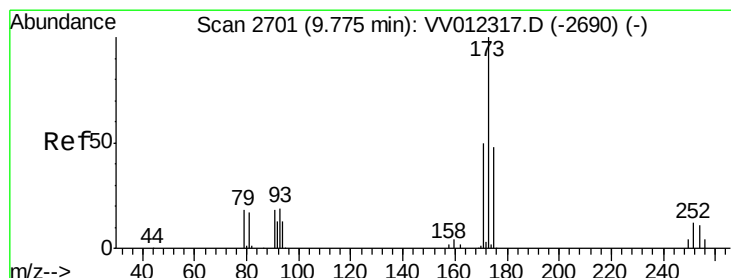
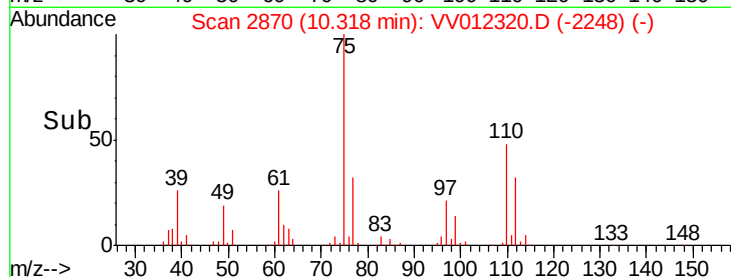
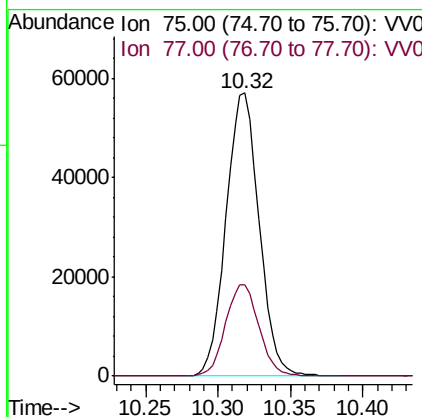
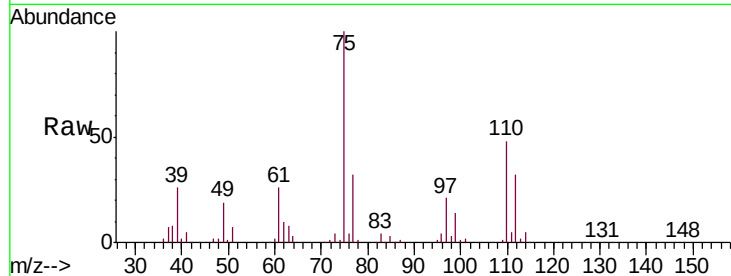




#59
 1,2,3-Trichloropropane
 Concen: 48.542 ug/L
 RT: 10.32 min Scan# 2870
 Delta R.T. 0.00 min
 Lab File: VV012320.D
 Acq: 21 Aug 2019 17:54

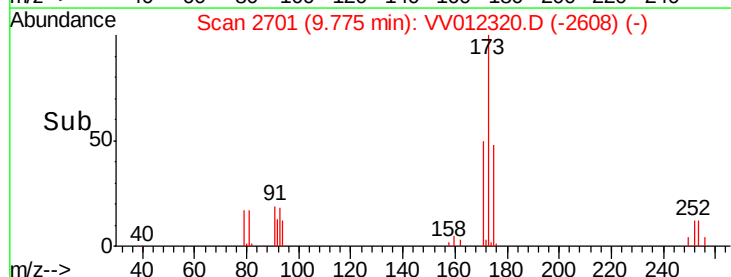
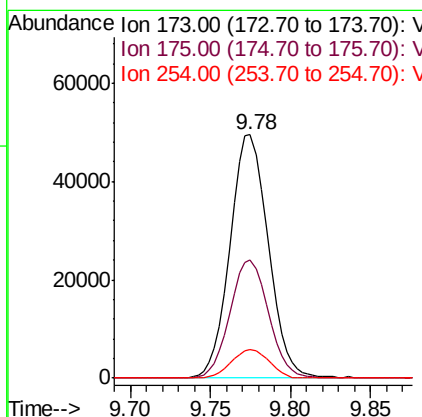
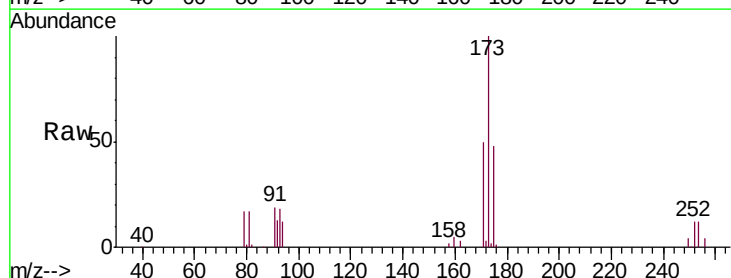
Instrument :
 MSVOA_V
 ClientSampleId :
 VICV65

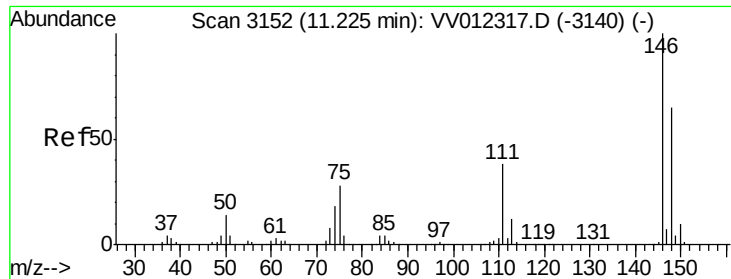
Tgt Ion: 75 Resp: 90414
 Ion Ratio Lower Upper
 75 100
 77 32.6 26.8 40.2



#61
 Bromoform
 Concen: 49.484 ug/L
 RT: 9.78 min Scan# 2701
 Delta R.T. 0.00 min
 Lab File: VV012320.D
 Acq: 21 Aug 2019 17:54

Tgt Ion: 173 Resp: 80700
 Ion Ratio Lower Upper
 173 100
 175 49.0 39.0 58.4
 254 11.5 9.3 13.9





#62

1,3-Dichlorobenzene

Concen: 49.800 ug/L

RT: 11.23 min Scan# 3152

Delta R.T. 0.00 min

Lab File: VV012320.D

Acq: 21 Aug 2019 17:54

Instrument :

MSVOA_V

ClientSampleId :

VICV65

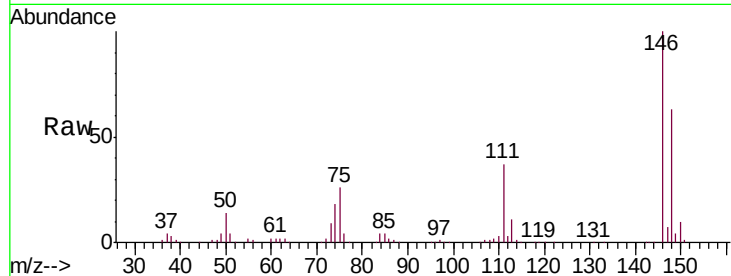
Tgt Ion:146 Resp: 191536

Ion Ratio Lower Upper

146 100

111 36.9 26.7 49.7

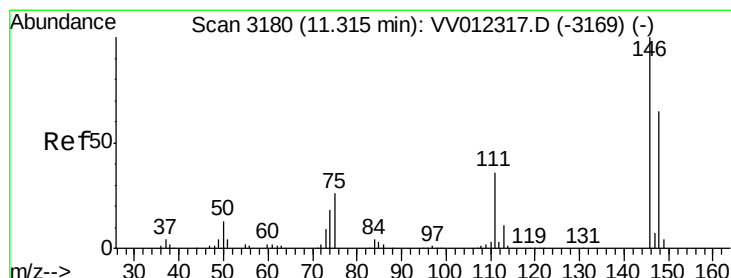
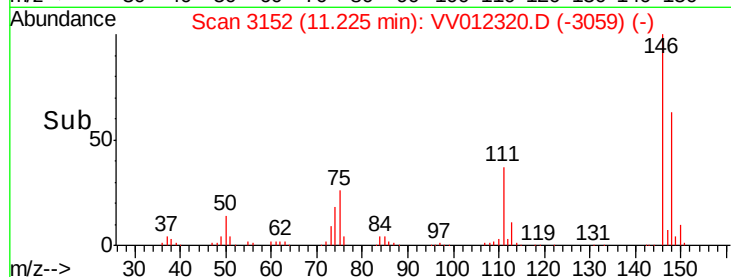
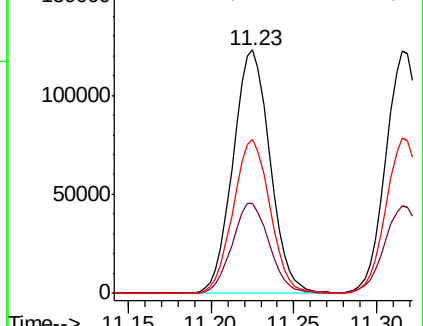
148 63.0 45.8 85.0



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 48.734 ug/L

RT: 11.32 min Scan# 3180

Delta R.T. 0.00 min

Lab File: VV012320.D

Acq: 21 Aug 2019 17:54

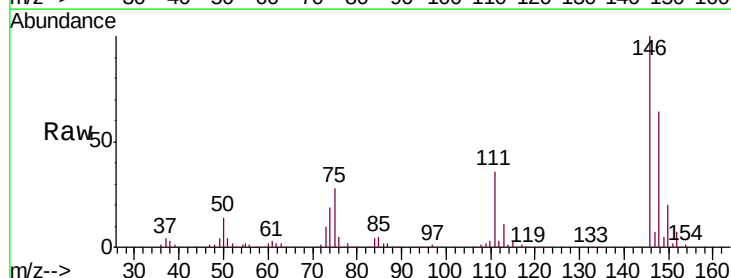
Tgt Ion:146 Resp: 189146

Ion Ratio Lower Upper

146 100

111 36.0 25.8 47.8

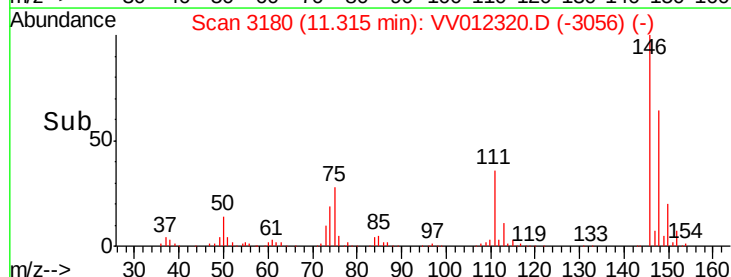
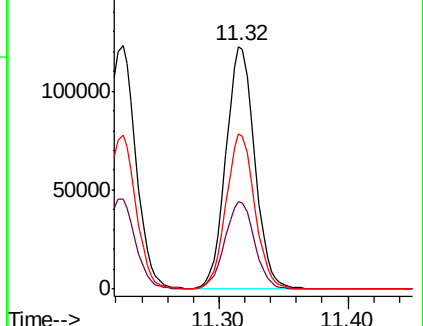
148 63.8 45.4 84.4

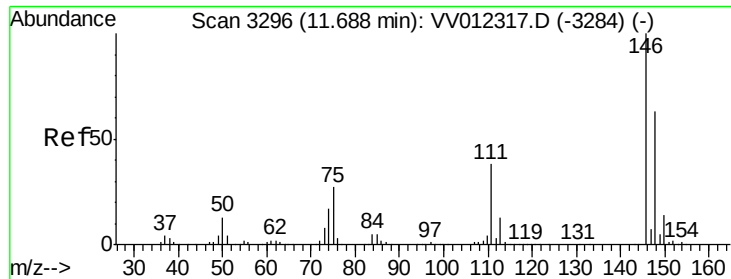


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

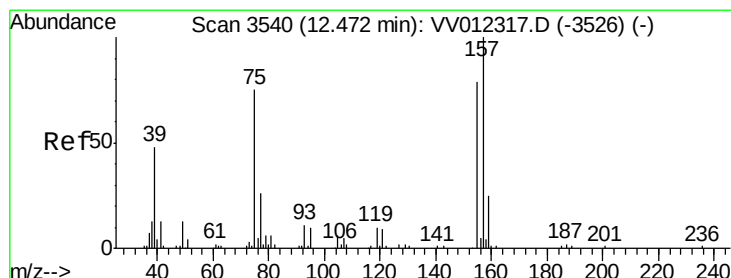
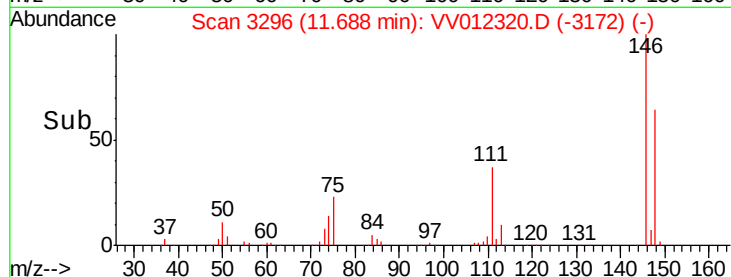
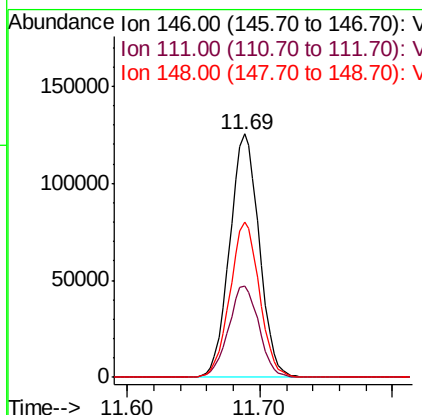
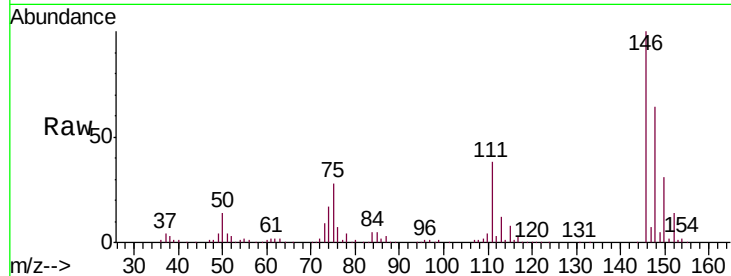




#65
 1,2-Dichlorobenzene
 Concen: 49.792 ug/L
 RT: 11.69 min Scan# 3296
 Delta R.T. 0.00 min
 Lab File: VV012320.D
 Acq: 21 Aug 2019 17:54

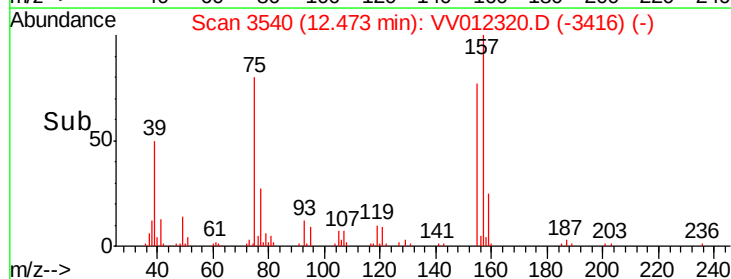
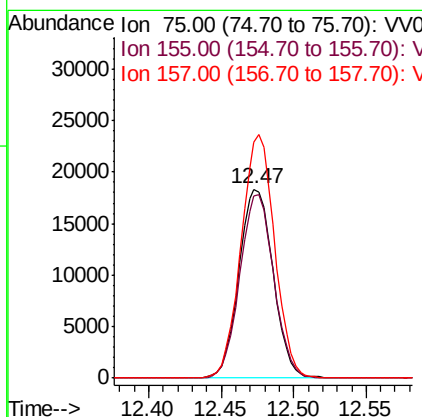
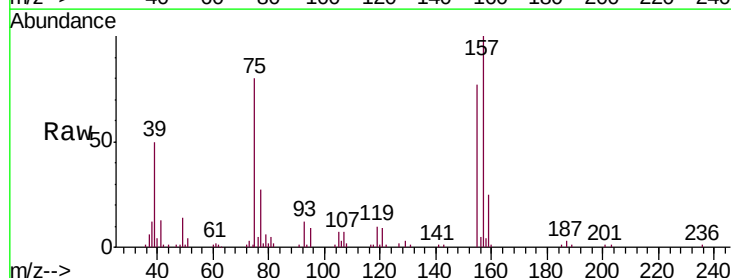
Instrument :
 MSVOA_V
 ClientSampleId :
 VICV65

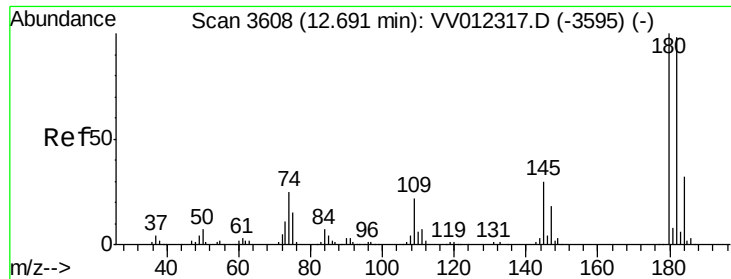
Tgt Ion: 146 Resp: 193789
 Ion Ratio Lower Upper
 146 100
 111 37.5 30.5 45.7
 148 63.7 50.4 75.6



#66
 1,2-Dibromo-3-chloropropane
 Concen: 53.121 ug/L
 RT: 12.47 min Scan# 3540
 Delta R.T. 0.00 min
 Lab File: VV012320.D
 Acq: 21 Aug 2019 17:54

Tgt Ion: 75 Resp: 30077
 Ion Ratio Lower Upper
 75 100
 155 96.5 83.6 125.4
 157 125.0 106.1 159.1

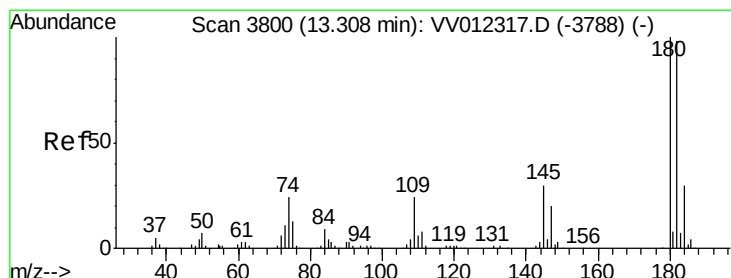
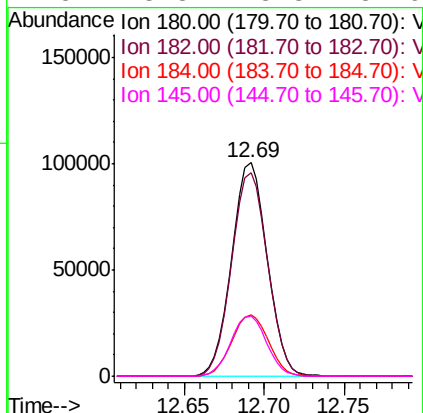
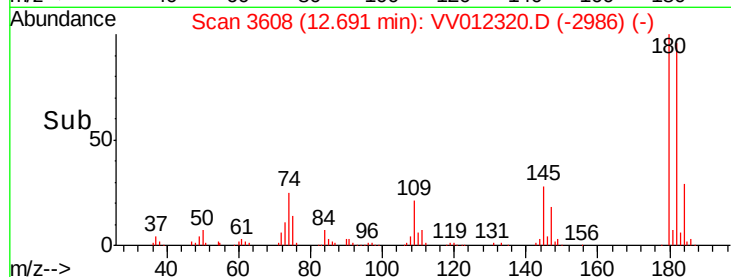
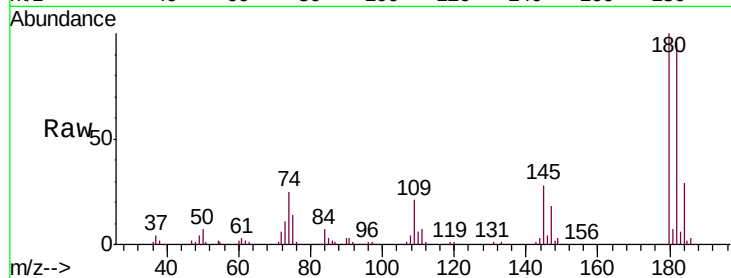




#67
 1,3,5-Trichlorobenzene
 Concen: 49.921 ug/L
 RT: 12.69 min Scan# 3608
 Delta R.T. 0.00 min
 Lab File: VV012320.D
 Acq: 21 Aug 2019 17:54

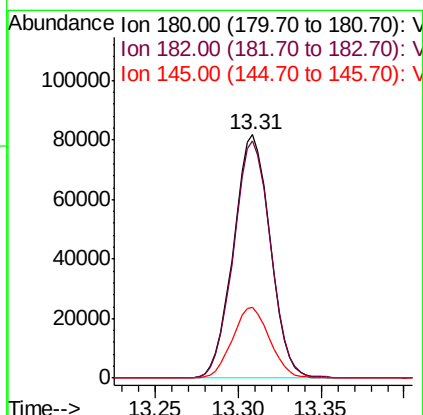
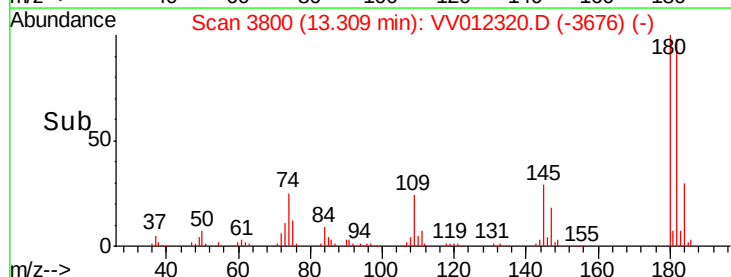
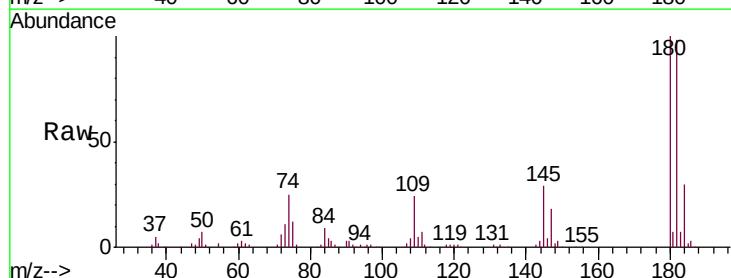
Instrument :
 MSVOA_V
 ClientSampleId :
 VICV65

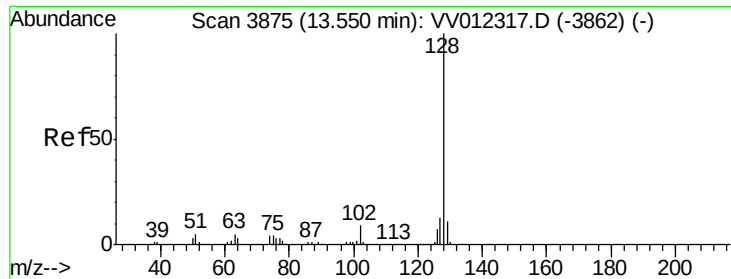
Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.3	77.6	116.4
184	29.8	24.9	37.3
145	28.3	23.3	34.9



#68
 1,2,4-trichlorobenzene
 Concen: 53.047 ug/L
 RT: 13.31 min Scan# 3800
 Delta R.T. 0.00 min
 Lab File: VV012320.D
 Acq: 21 Aug 2019 17:54

Tgt Ion	Ratio	Lower	Upper
180	100		
182	98.4	76.7	115.1
145	29.5	23.4	35.2





#69

Naphthalene

Concen: 56.334 ug/L

RT: 13.55 min Scan# 3875

Delta R.T. 0.00 min

Lab File: VV012320.D

Acq: 21 Aug 2019 17:54

Instrument :

MSVOA_V

ClientSampleId :

VICV65

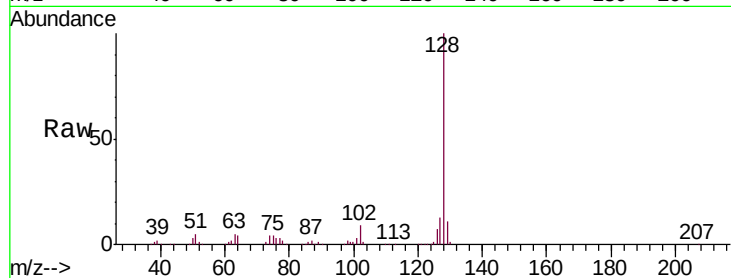
Tgt Ion:128 Resp: 360992

Ion Ratio Lower Upper

128 100

127 13.3 10.2 15.4

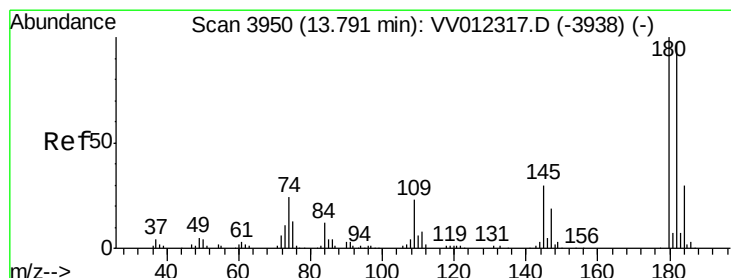
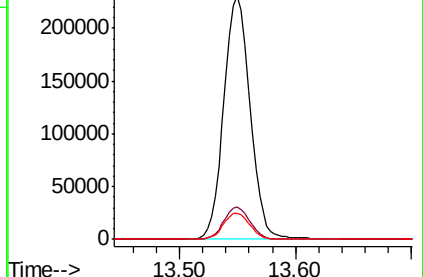
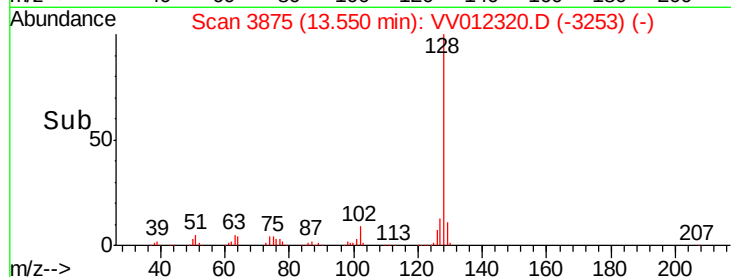
129 10.9 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 54.091 ug/L

RT: 13.79 min Scan# 3950

Delta R.T. 0.00 min

Lab File: VV012320.D

Acq: 21 Aug 2019 17:54

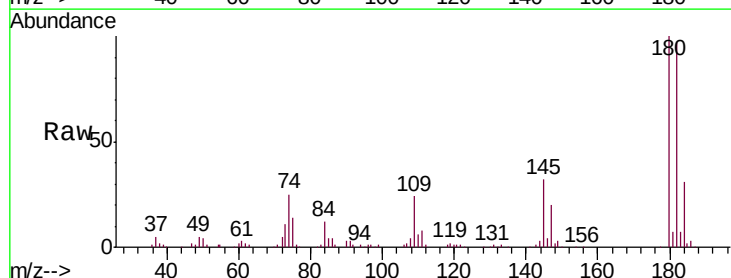
Tgt Ion:180 Resp: 132102

Ion Ratio Lower Upper

180 100

182 96.2 76.5 114.7

145 31.1 24.5 36.7



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

