

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV021120\
 Data File : VV014555.D
 Acq On : 11 Feb 2020 15:18
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Feb 12 03:15:41 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM020120WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Feb 06 01:03:06 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	314602	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	292197	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	147384	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	64632	36.99	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	73.98%
7) Chloroethane-d5	1.58	69	46805	43.09	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	86.18%
11) 1,1-Dichloroethene-d2	2.13	63	108705	46.61	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.22%
21) 2-Butanone-d5	3.92	46	108361	92.17	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	92.17%
24) Chloroform-d	4.39	84	191509	51.79	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.58%
26) 1,2-Dichloroethane-d4	5.07	65	116295	52.21	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.42%
32) Benzene-d6	5.09	84	380929	49.51	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.02%
36) 1,2-Dichloropropane-d6	6.11	67	115558	47.47	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.94%
41) Toluene-d8	7.35	98	365120	51.41	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.82%
43) trans-1,3-Dichloropropene-	7.66	79	62239	50.31	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	100.62%
47) 2-Hexanone-d5	8.12	63	92780	97.42	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	97.42%
57) 1,1,2,2-Tetrachloroethane-	10.25	84	153362	48.90	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.80%
64) 1,2-Dichlorobenzene-d4	11.67	152	139741	51.48	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.96%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	131905	50.150	ug/L 99
3) Chloromethane	1.26	50	115020	41.885	ug/L 100
5) Vinyl chloride	1.33	62	84099	38.111	ug/L 98
6) Bromomethane	1.53	94	43782	59.548	ug/L 100
8) Chloroethane	1.60	64	40968	42.280	ug/L 98
9) Trichlorofluoromethane	1.77	101	135671	53.398	ug/L 98
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	59557	49.999	ug/L 95
12) 1,1-Dichloroethene	2.14	96	54608	45.630	ug/L 93
13) Acetone	2.18	43	75310	75.076	ug/L 94
14) Carbon disulfide	2.32	76	269292	45.815	ug/L 100
15) Methyl Acetate	2.45	43	83097	42.987	ug/L 95
16) Methylene chloride	2.53	84	107234	46.536	ug/L 95
17) trans-1,2-Dichloroethene	2.79	96	103933	50.069	ug/L 96
18) Methyl tert-butyl Ether	2.80	73	326499	51.135	ug/L 97
19) 1,1-Dichloroethane	3.23	63	180075	47.541	ug/L 99
20) cis-1,2-Dichloroethene	3.96	96	120188	51.914	ug/L 96
22) 2-Butanone	4.00	43	117713	81.438	ug/L 93

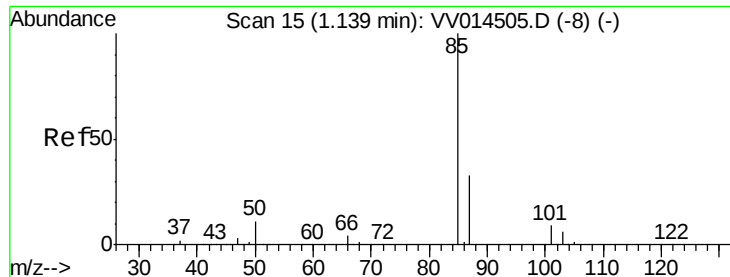
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV021120\
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 Quant Title : VOC Analysis
 QLast Update : Thu Feb 06 01:03:06 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.29	128	57501	52.980	uq/L	89
25) Chloroform	4.42	83	196896	51.607	uq/L	99
27) 1,2-Dichloroethane	5.17	62	145105	53.493	uq/L	98
29) Cyclohexane	4.72	56	165874	46.467	uq/L	92
30) 1,1,1-Trichloroethane	4.65	97	174220	55.640	uq/L	99
31) Carbon tetrachloride	4.87	117	154040	56.383	uq/L	99
33) Benzene	5.14	78	423871	49.164	uq/L	100
34) Trichloroethene	5.95	95	113261	52.012	uq/L	97
35) Methylcyclohexane	6.17	83	186151	51.447	uq/L	97
37) 1,2-Dichloropropane	6.21	63	103320	47.954	uq/L	99
38) Bromodichloromethane	6.55	83	149475	51.815	uq/L	99
39) cis-1,3-Dichloropropene	7.06	75	185478	52.353	uq/L	98
40) 4-Methyl-2-pentanone	7.26	43	235239	90.310	uq/L #	94
42) Toluene	7.42	91	463257	51.329	uq/L	98
44) trans-1,3-Dichloropropene	7.69	75	166570	52.941	uq/L	98
45) 1,1,2-Trichloroethane	7.87	97	104948	51.554	uq/L	99
46) Tetrachloroethene	8.01	164	90563	56.867	uq/L	98
48) 2-Hexanone	8.17	43	178690	87.698	uq/L	97
49) Dibromochloromethane	8.28	129	123744	55.249	uq/L	100
50) 1,2-Dibromoethane	8.39	107	113542	52.385	uq/L	98
51) Chlorobenzene	8.92	112	304976	52.822	uq/L	98
52) Ethylbenzene	9.05	91	520238	51.358	uq/L	99
53) m,p-Xylene	9.17	106	202096	53.430	uq/L	99
54) o-xylene	9.58	106	192995	51.493	uq/L	99
55) Styrene	9.60	104	332037	52.787	uq/L	100
56) Isopropylbenzene	9.97	105	516531	53.899	uq/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.28	83	160381	49.316	uq/L	100
59) 1,2,3-Trichloropropane	10.31	75	124607	48.939	uq/L	100
61) Bromoform	9.77	173	84331	54.763	uq/L	100
62) 1,3-Dichlorobenzene	11.22	146	242491	53.495	uq/L	99
63) 1,4-Dichlorobenzene	11.31	146	241889	51.835	uq/L	97
65) 1,2-Dichlorobenzene	11.68	146	232312	51.849	uq/L	99
66) 1,2-Dibromo-3-chloropropan	12.47	75	33870	47.553	uq/L	92
67) 1,3,5-Trichlorobenzene	12.68	180	173838	56.925	uq/L	99
68) 1,2,4-trichlorobenzene	13.30	180	160298	57.783	uq/L	99
69) Naphthalene	13.54	128	476472	54.235	uq/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	153400	57.386	uq/L	98

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



#2

Dichlorodifluoromethane

Concen: 50.150 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV014555.D

Acq: 11 Feb 2020 15:18

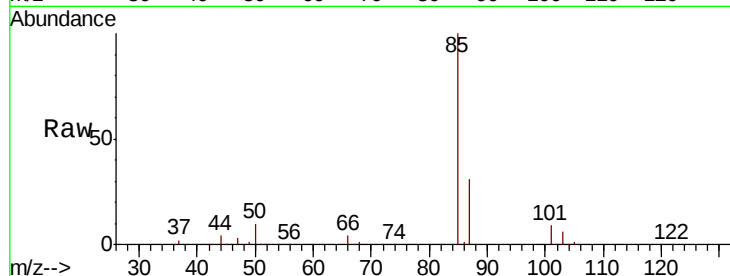
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 85 Resp: 131905

Ion Ratio Lower Upper

85 100

87 31.6 25.6 38.4



Abundance Ion 85.00 (84.70 to 85.70): VV014555.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VV014555.D (-8) (-)

1.14

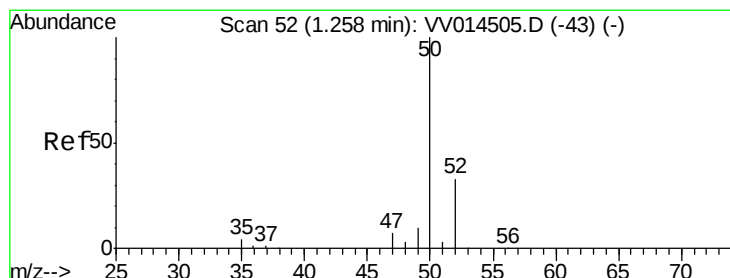
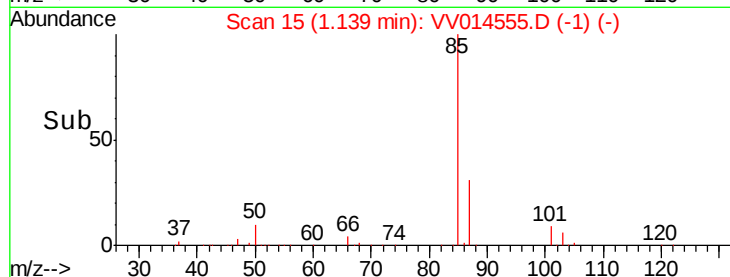
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 41.885 ug/L

RT: 1.26 min Scan# 52

Delta R.T. 0.00 min

Lab File: VV014555.D

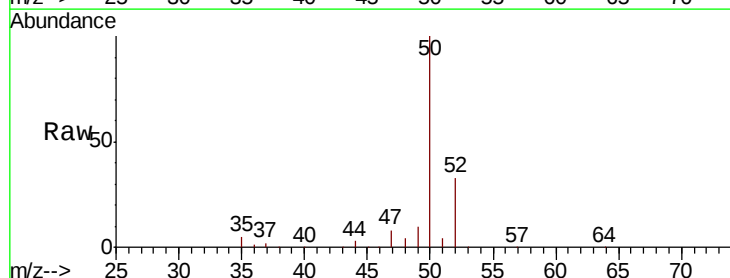
Acq: 11 Feb 2020 15:18

Tgt Ion: 50 Resp: 115020

Ion Ratio Lower Upper

50 100

52 32.8 22.8 42.4



Abundance Ion 50.00 (49.70 to 50.70): VV014555.D (-43) (-)

Ion 52.00 (51.70 to 52.70): VV014555.D (-43) (-)

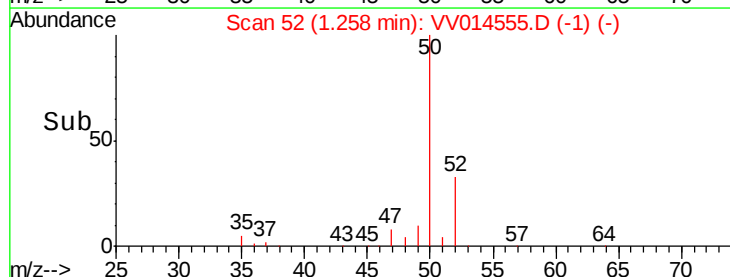
1.26

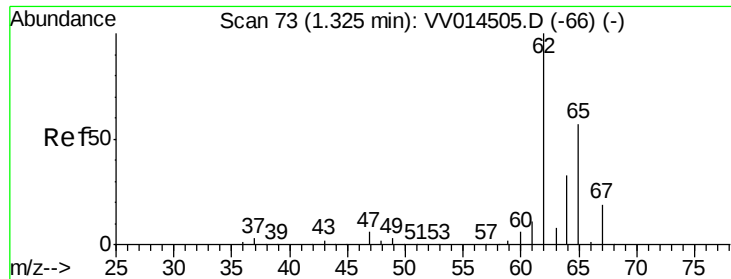
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 38.111 ug/L

RT: 1.33 min Scan# 73

Delta R.T. 0.00 min

Lab File: VV014555.D

Acq: 11 Feb 2020 15:18

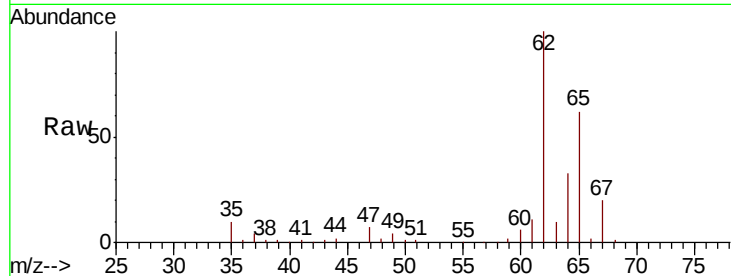
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 62 Resp: 84099

Ion Ratio Lower Upper

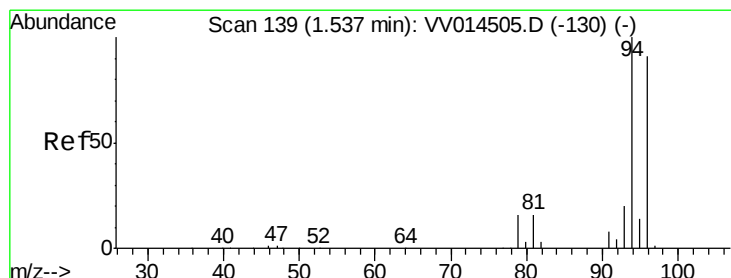
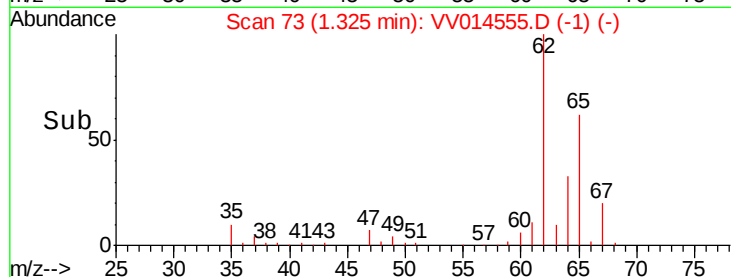
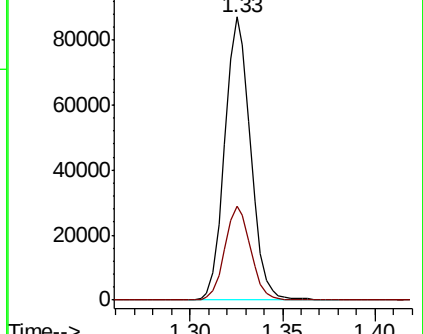
62 100

64 33.3 22.7 42.1



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#6

Bromomethane

Concen: 59.548 ug/L

RT: 1.53 min Scan# 138

Delta R.T. -0.00 min

Lab File: VV014555.D

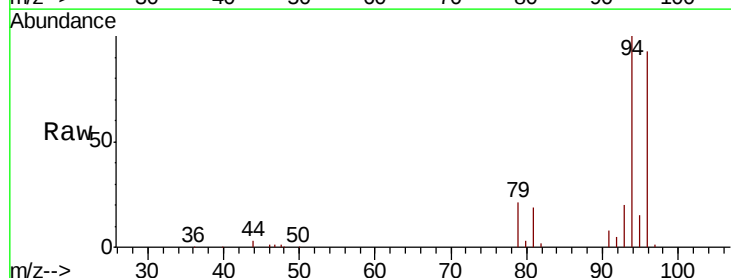
Acq: 11 Feb 2020 15:18

Tgt Ion: 94 Resp: 43782

Ion Ratio Lower Upper

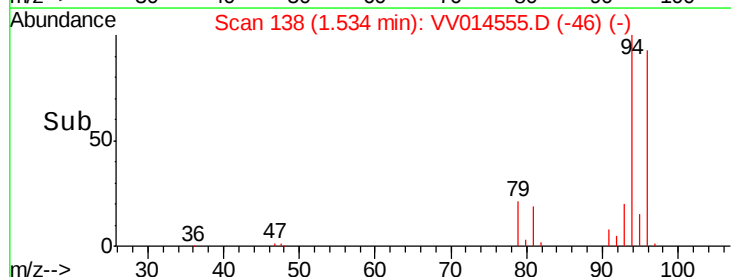
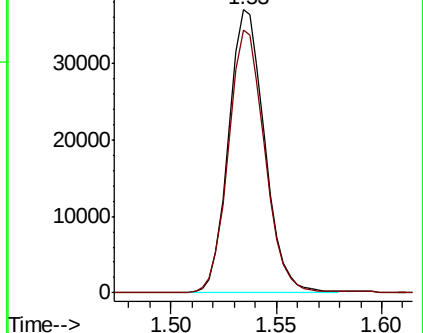
94 100

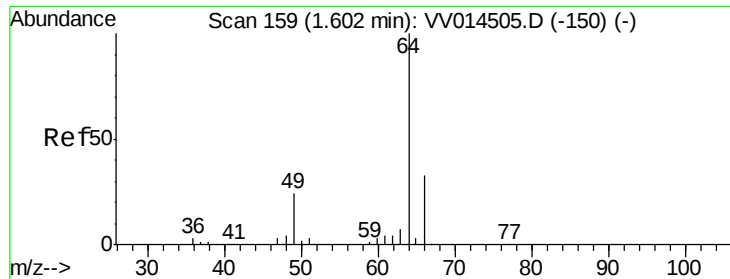
96 93.0 65.0 120.8



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 42.280 ug/L

RT: 1.60 min Scan# 159

Delta R.T. 0.00 min

Lab File: VV014555.D

Acq: 11 Feb 2020 15:18

Instrument :

MSVOA_V

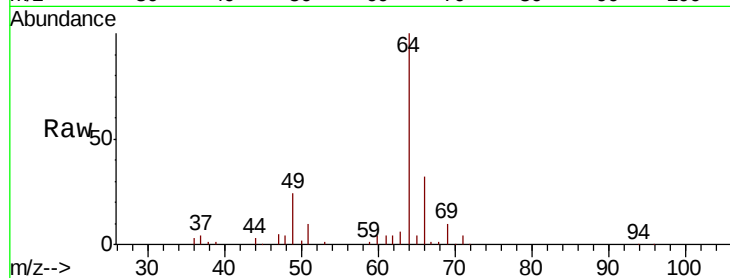
ClientSampleId :

Tot Ion: 64 Resp: 40968

Ion Ratio Lower Upper

64 100

66 31.7 23.0 42.8



Abundance Ion 64.00 (63.70 to 64.70): VV014555.D (-150) (-)

Ion 66.00 (65.70 to 66.70): VV014555.D (-150) (-)

1.60

30000

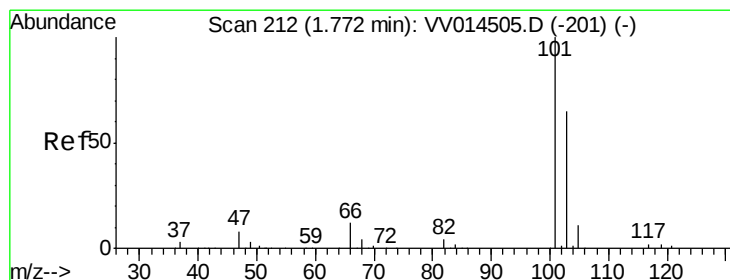
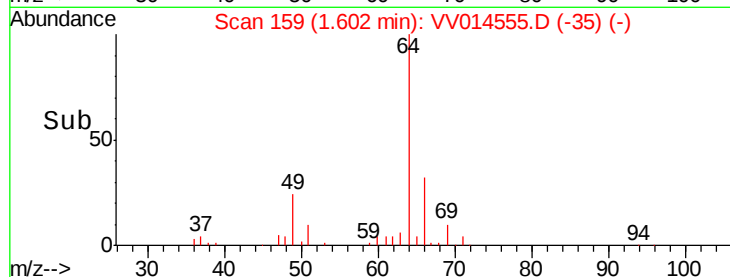
20000

10000

0

1.55 1.60 1.65

Time-->



#9

Trichlorofluoromethane

Concen: 53.398 ug/L

RT: 1.77 min Scan# 212

Delta R.T. 0.00 min

Lab File: VV014555.D

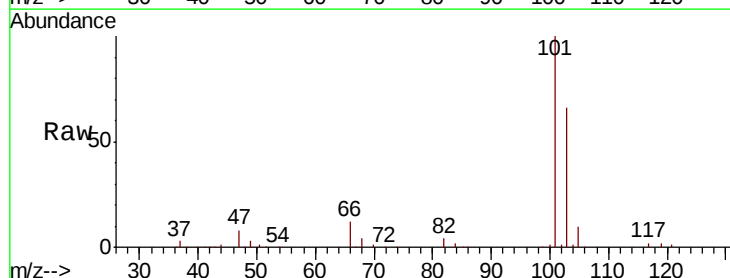
Acq: 11 Feb 2020 15:18

Tgt Ion:101 Resp: 135671

Ion Ratio Lower Upper

101 100

103 65.1 50.6 75.8



Abundance Ion 101.00 (100.70 to 101.70): VV014555.D (-201) (-)

Ion 103.00 (102.70 to 103.70): VV014555.D (-201) (-)

1.77

120000

100000

80000

60000

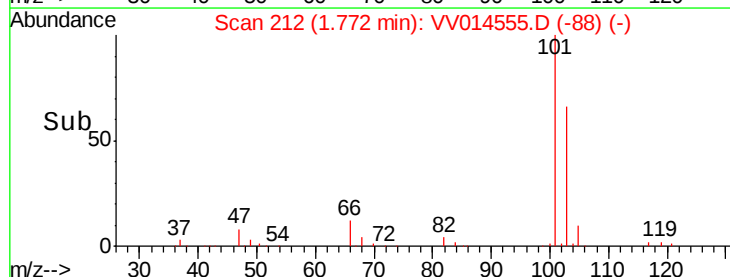
40000

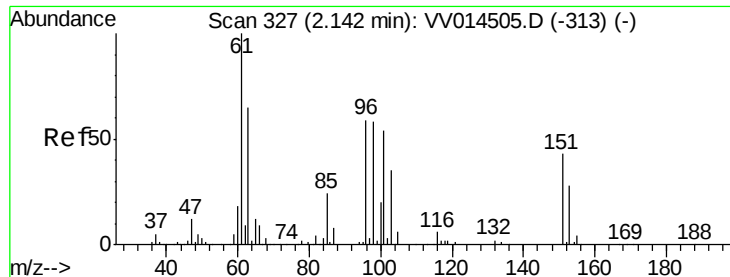
20000

0

1.70 1.75 1.80 1.85

Time-->





#10

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

Concen: 49.999 ug/L

RT: 2.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VV014555.D

Acq: 11 Feb 2020 15:18

Instrument :

MSVOA_V

ClientSampled :

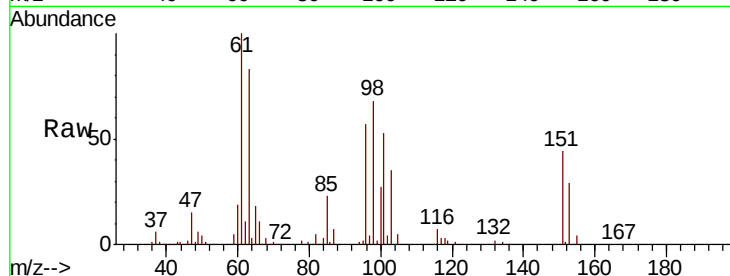
Tot Ion:101 Resp: 59557

Ion Ratio Lower Upper

101 100

85 44.4 34.6 51.8

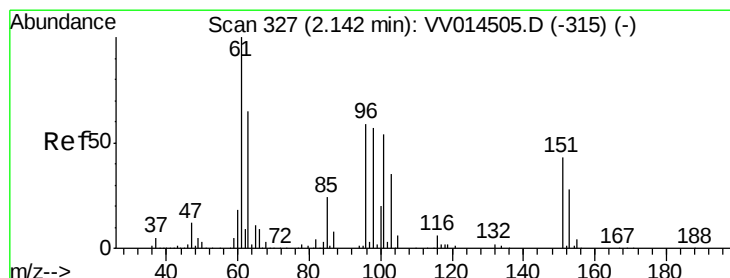
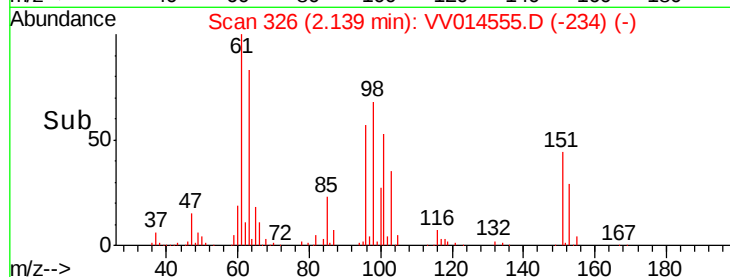
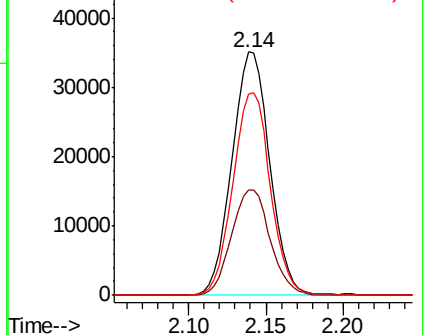
151 82.7 61.2 91.8



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: 45.630 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

Lab File: VV014555.D

Acq: 11 Feb 2020 15:18

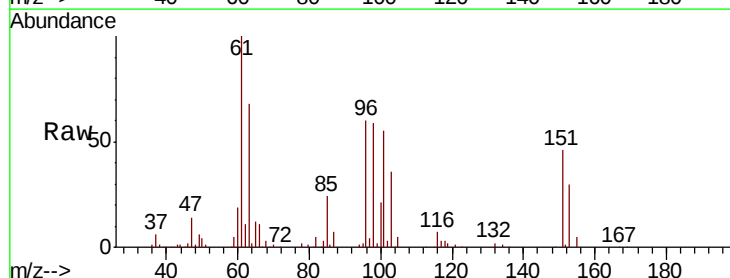
Tgt Ion: 96 Resp: 54608

Ion Ratio Lower Upper

96 100

61 166.1 120.5 223.7

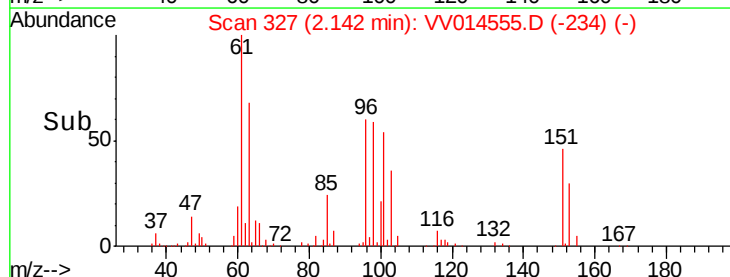
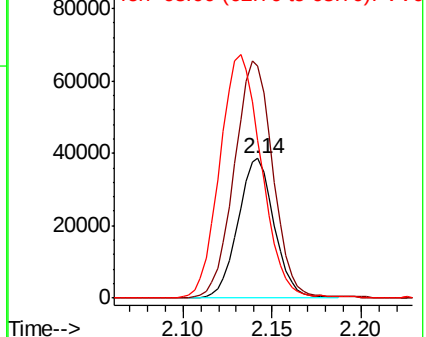
63 113.1 87.1 161.7

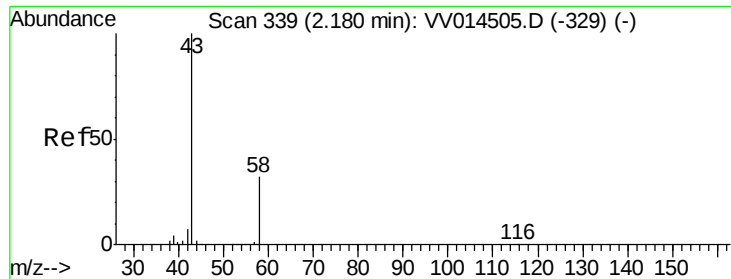


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 75.076 ug/L

RT: 2.18 min Scan# 339

Delta R.T. 0.00 min

Lab File: VV014555.D

Acq: 11 Feb 2020 15:18

Instrument :

MSVOA_V

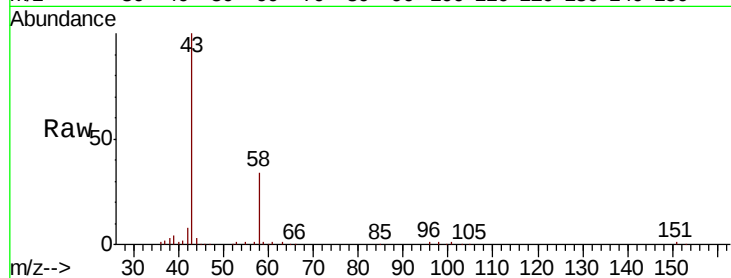
ClientSampleId :

Tot Ion: 43 Resp: 75310

Ion Ratio Lower Upper

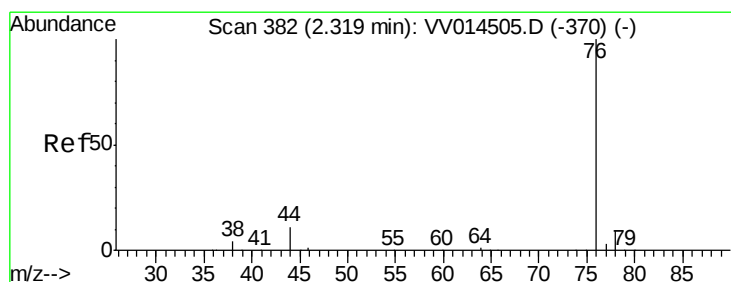
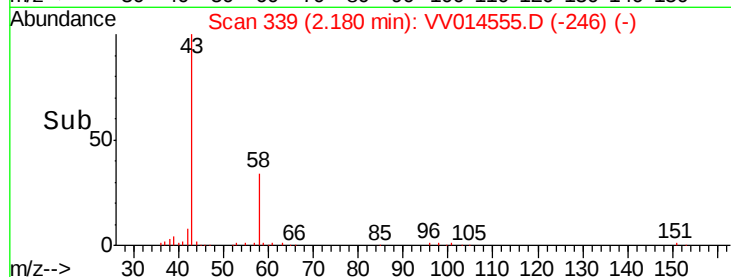
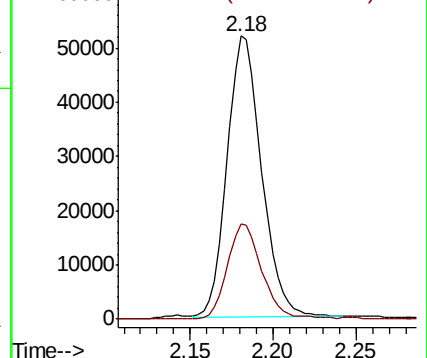
43 100

58 34.1 0.0 61.2



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0



#14

Carbon disulfide

Concen: 45.815 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VV014555.D

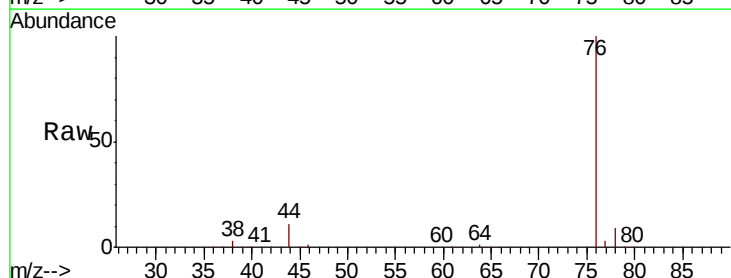
Acq: 11 Feb 2020 15:18

Tgt Ion: 76 Resp: 269292

Ion Ratio Lower Upper

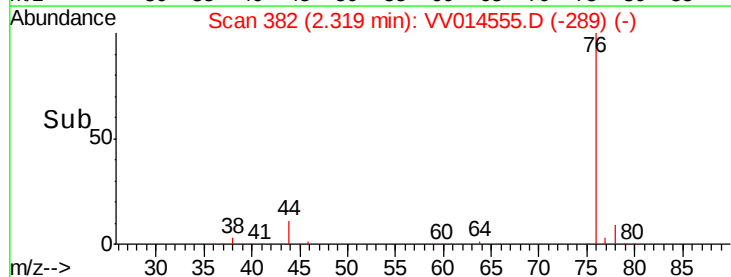
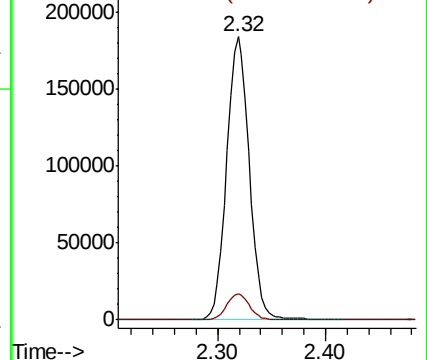
76 100

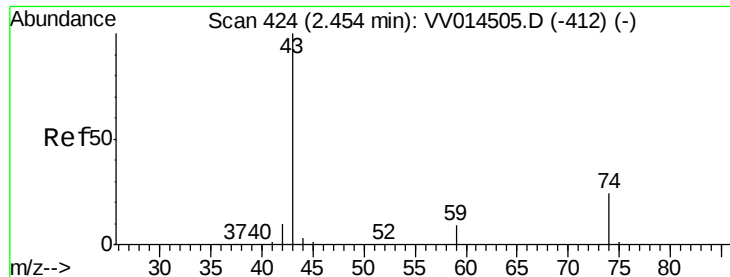
78 9.0 7.2 10.8



Abundance Ion 76.00 (75.70 to 76.70): VV0

Ion 78.00 (77.70 to 78.70): VV0

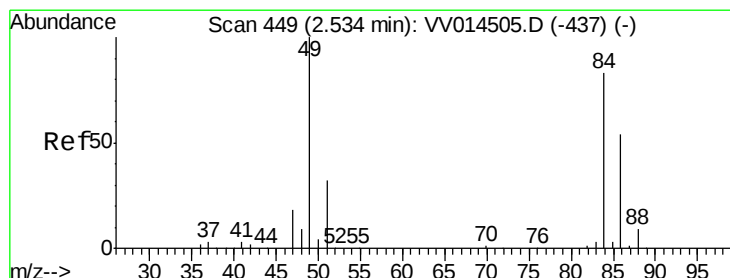
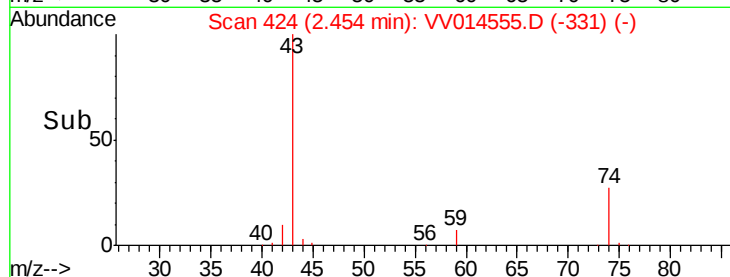
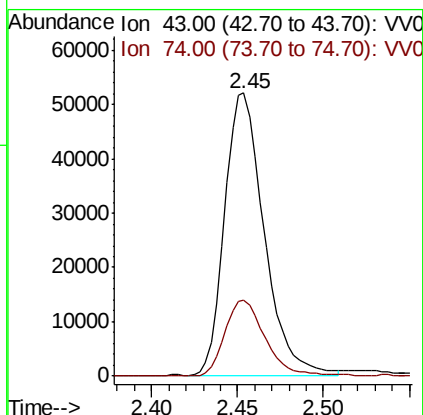
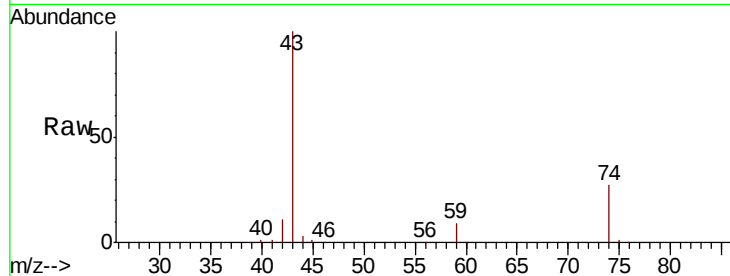




#15
Methvl Acetate
Concen: 42.987 ug/L
RT: 2.45 min Scan# 424
Delta R.T. 0.00 min
Lab File: VV014555.D
Acq: 11 Feb 2020 15:18

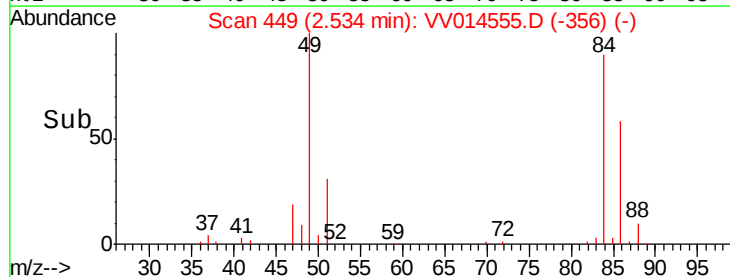
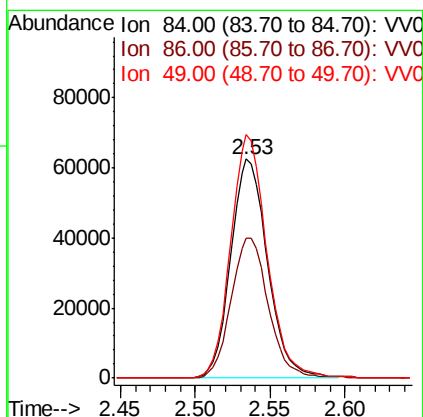
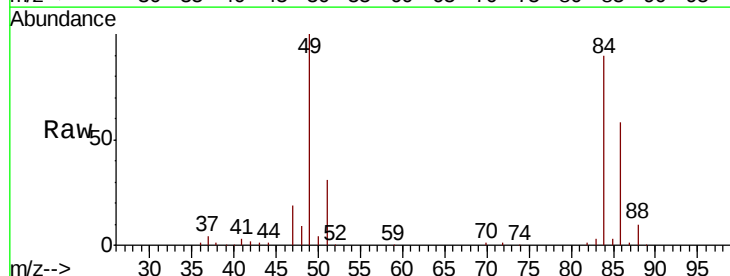
Instrument :
MSVOA_V
ClientSampleId :

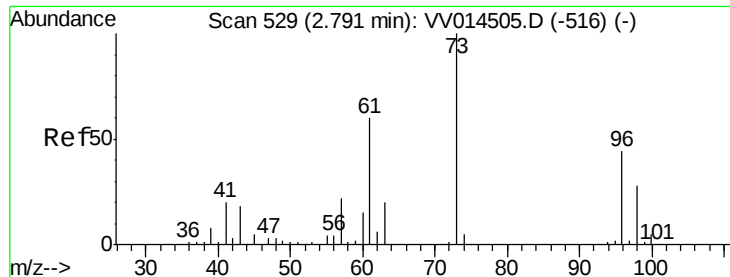
Tot Ion: 43 Resp: 83097
Ion Ratio Lower Upper
43 100
74 26.8 19.6 29.4



#16
Methylene chloride
Concen: 46.536 ug/L
RT: 2.53 min Scan# 449
Delta R.T. 0.00 min
Lab File: VV014555.D
Acq: 11 Feb 2020 15:18

Tgt Ion: 84 Resp: 107234
Ion Ratio Lower Upper
84 100
86 64.0 45.6 84.8
49 111.2 82.7 153.7

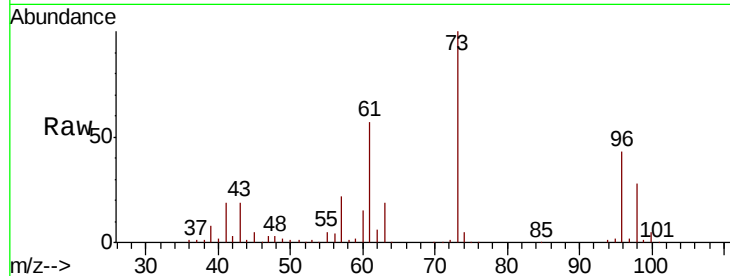




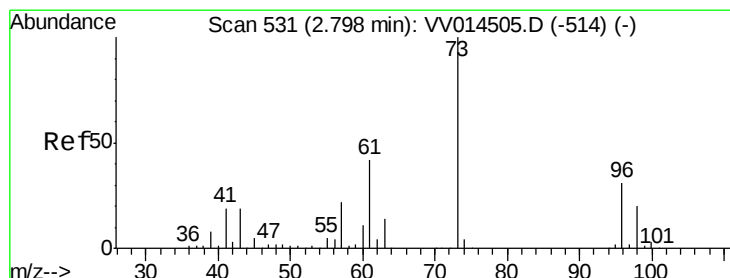
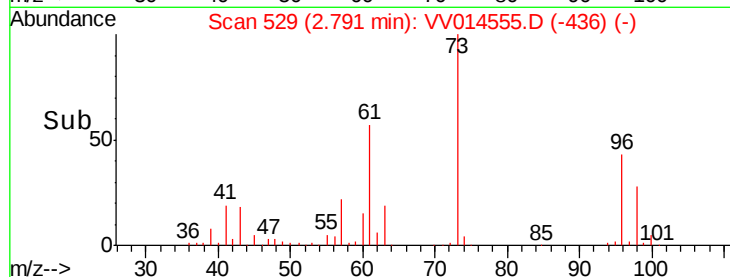
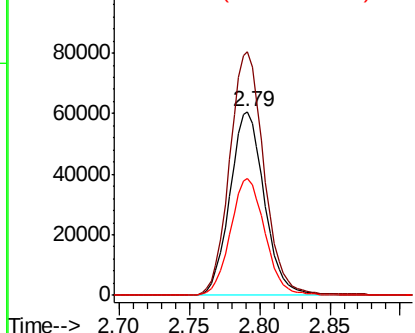
#17
trans-1,2-Dichloroethene
Concen: 50.069 ug/L
RT: 2.79 min Scan# 529
Delta R.T. 0.00 min
Lab File: VV014555.D
Acq: 11 Feb 2020 15:18

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 96 Resp: 103933
Ion Ratio Lower Upper
96 100
61 132.3 96.7 179.7
98 63.7 44.1 81.9

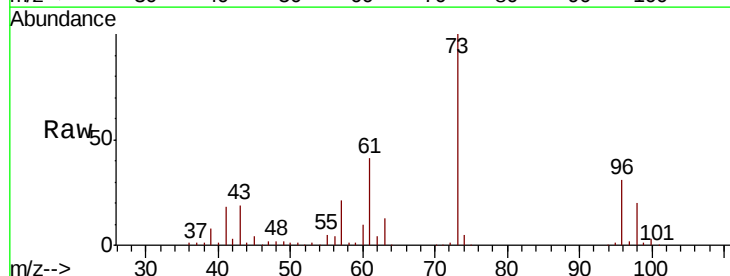


Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 98.00 (97.70 to 98.70): VV0

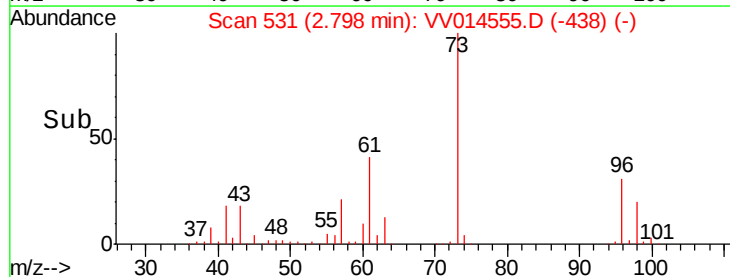
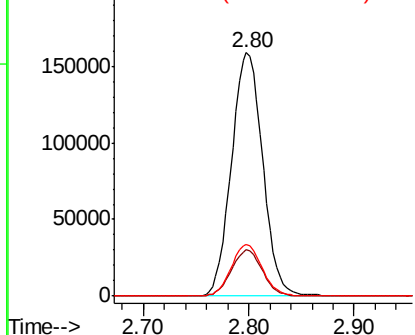


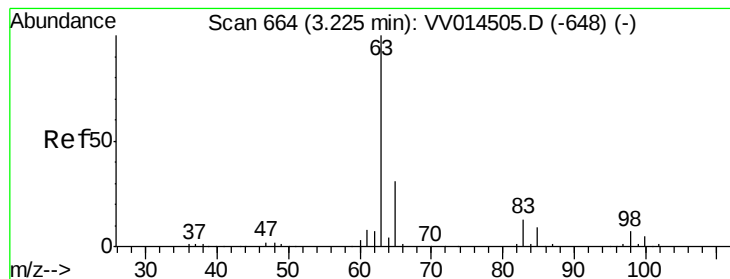
#18
Methyl tert-butyl Ether
Concen: 51.135 ug/L
RT: 2.80 min Scan# 531
Delta R.T. 0.00 min
Lab File: VV014555.D
Acq: 11 Feb 2020 15:18

Tgt Ion: 73 Resp: 326499
Ion Ratio Lower Upper
73 100
43 18.7 14.1 21.1
57 21.0 17.9 26.9



Abundance Ion 73.00 (72.70 to 73.70): VV0
Ion 43.00 (42.70 to 43.70): VV0
Ion 57.00 (56.70 to 57.70): VV0





#19

1,1-Dichloroethane

Concen: 47.541 ug/L

RT: 3.23 min Scan# 664

Delta R.T. 0.00 min

Lab File: VV014555.D

Acq: 11 Feb 2020 15:18

Instrument :

MSVOA_V

ClientSampleId :

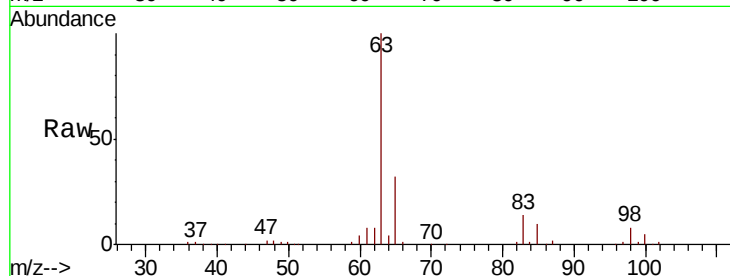
Tot Ion: 63 Resp: 180075

Ion Ratio Lower Upper

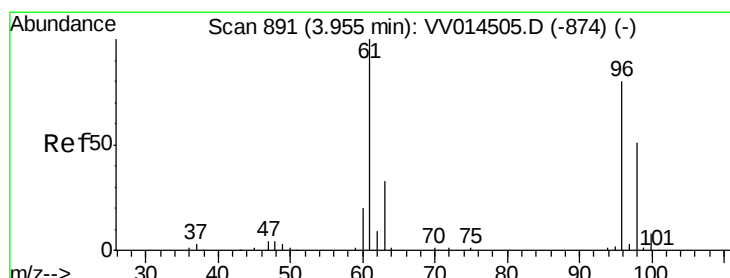
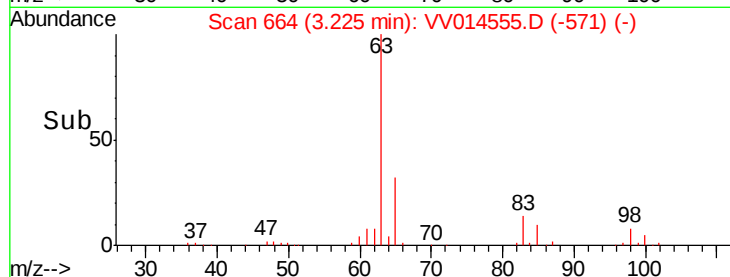
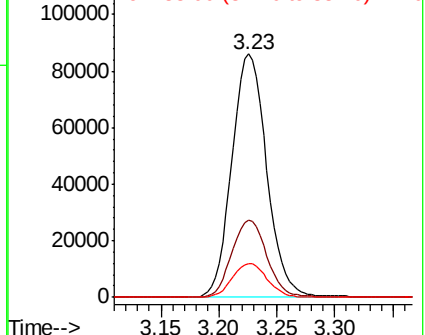
63 100

65 31.7 22.1 41.1

83 14.0 9.4 17.6



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: 51.914 ug/L

RT: 3.96 min Scan# 891

Delta R.T. 0.00 min

Lab File: VV014555.D

Acq: 11 Feb 2020 15:18

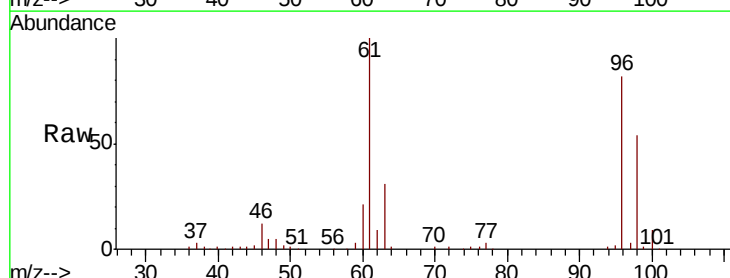
Tgt Ion: 96 Resp: 120188

Ion Ratio Lower Upper

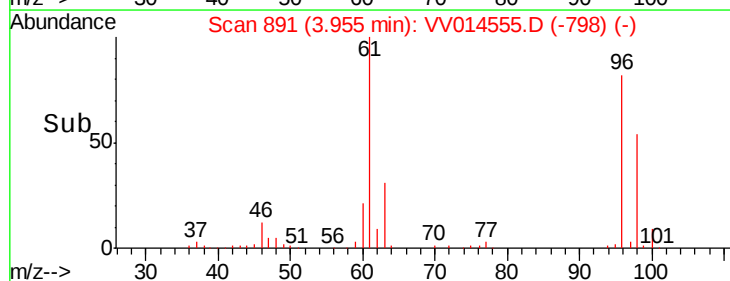
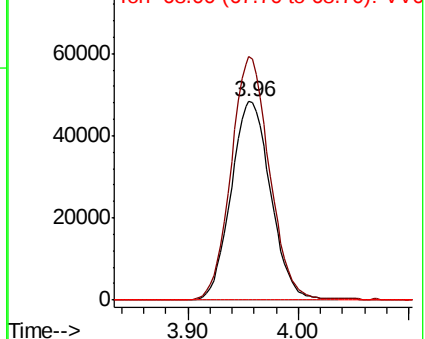
96 100

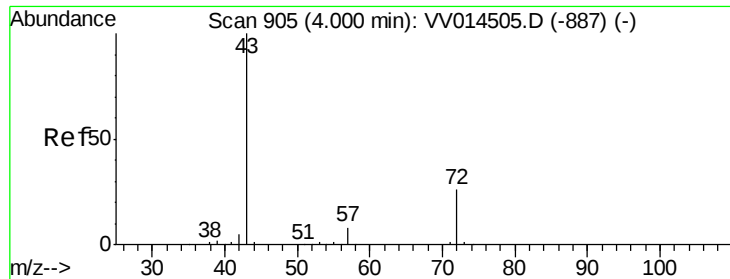
61 122.6 88.9 165.1

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: 81.438 ug/L

RT: 4.00 min Scan# 905

Delta R.T. 0.00 min

Lab File: VV014555.D

Acq: 11 Feb 2020 15:18

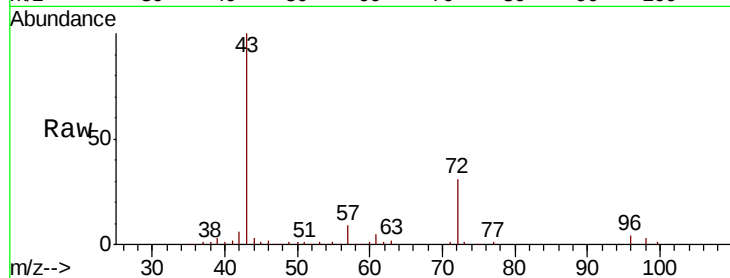
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 117713

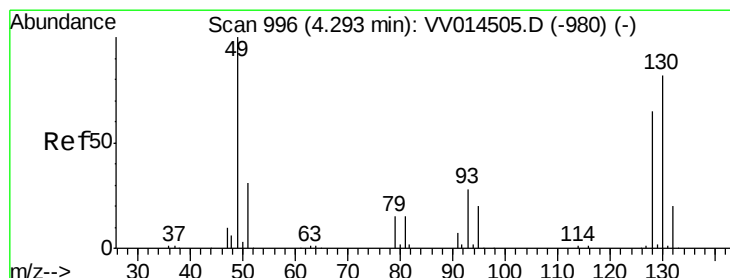
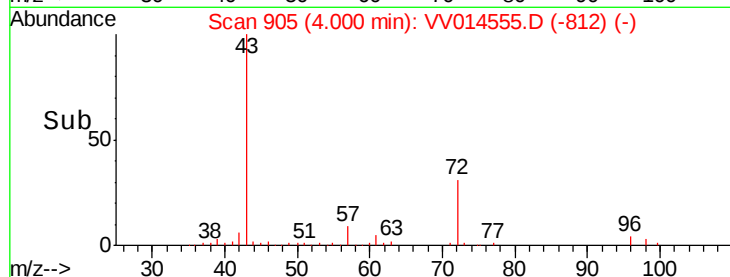
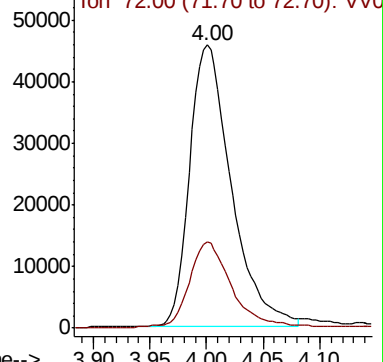
Ion Ratio Lower Upper

43 100

72 31.3 13.8 41.3



Abundance Ion 43.00 (42.70 to 43.70): VV014555.D (-812) (-)



#23

Bromochloromethane

Concen: 52.980 ug/L

RT: 4.29 min Scan# 996

Delta R.T. 0.00 min

Lab File: VV014555.D

Acq: 11 Feb 2020 15:18

Tgt Ion:128 Resp: 57501

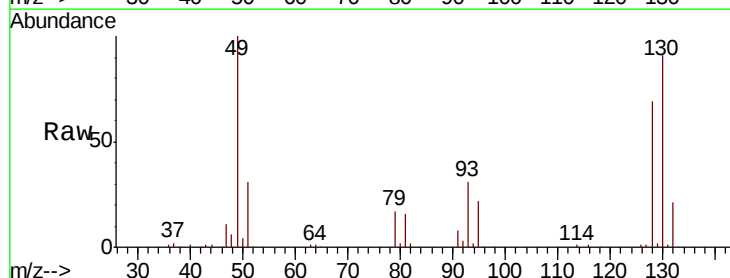
Ion Ratio Lower Upper

128 100

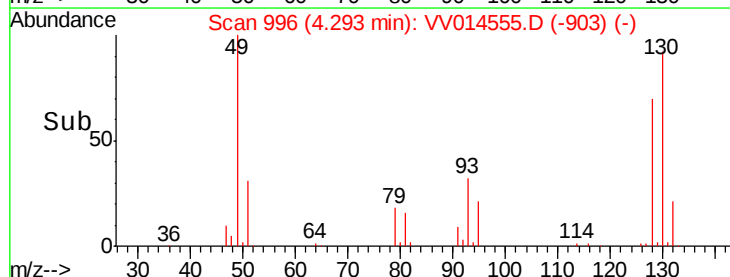
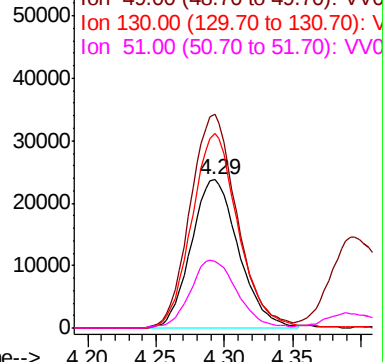
49 144.0 118.8 220.6

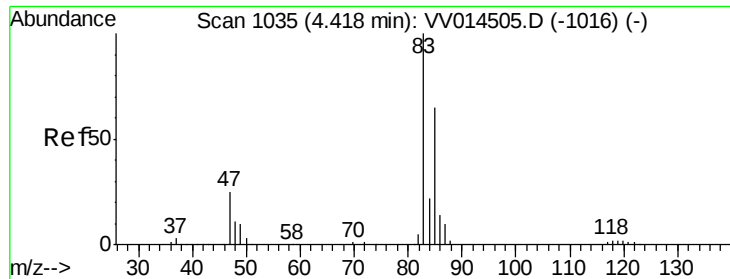
130 131.1 90.7 168.5

51 44.9 42.8 64.2



Abundance Ion 128.00 (127.70 to 128.70): VV014555.D (-903) (-)

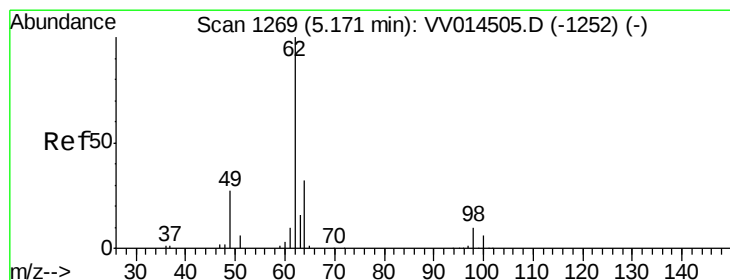
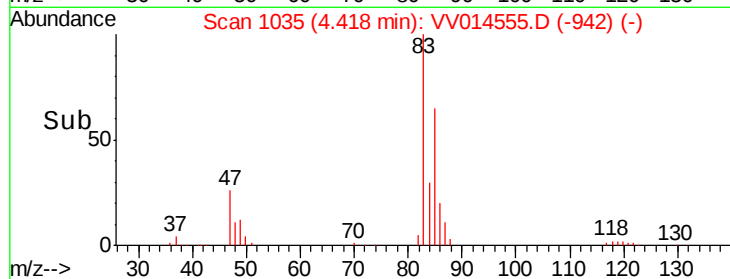
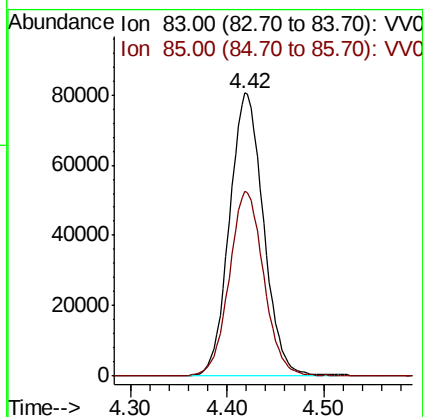
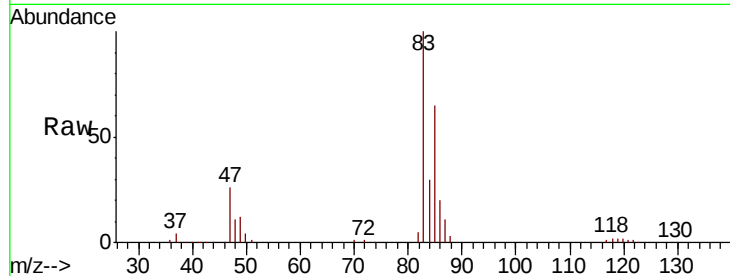




#25
Chloroform
Concen: 51.607 ug/L
RT: 4.42 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VV014555.D
Acq: 11 Feb 2020 15:18

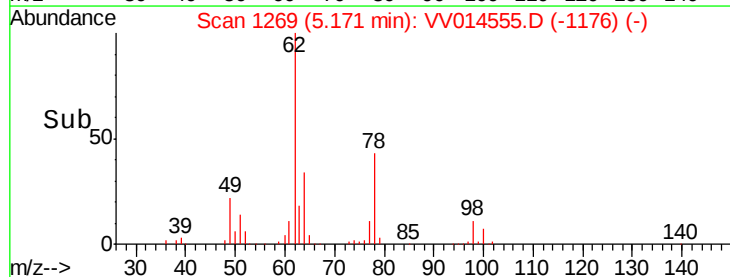
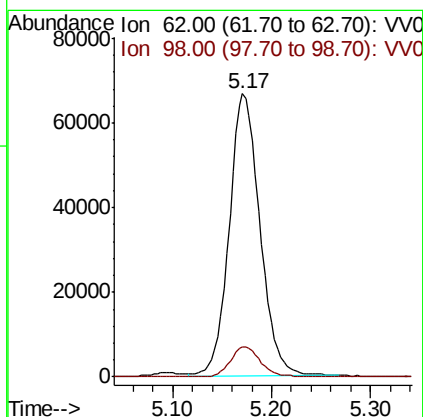
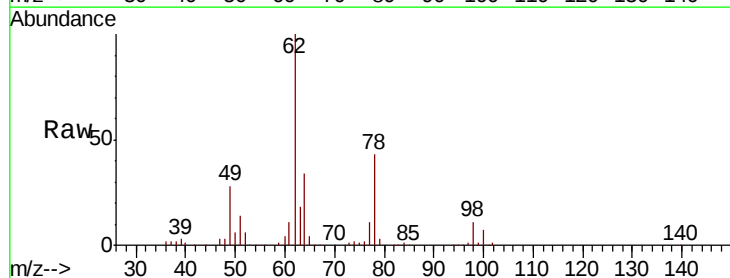
Instrument :
MSVOA_V
ClientSampleId :

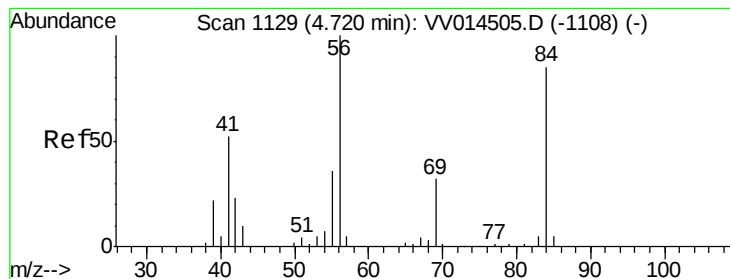
Tot Ion: 83 Resp: 196896
Ion Ratio Lower Upper
83 100
85 65.3 45.1 83.7



#27
1,2-Dichloroethane
Concen: 53.493 ug/L
RT: 5.17 min Scan# 1269
Delta R.T. 0.00 min
Lab File: VV014555.D
Acq: 11 Feb 2020 15:18

Tgt Ion: 62 Resp: 145105
Ion Ratio Lower Upper
62 100
98 10.7 8.0 12.0





#29

Cyclohexane

Concen: 46.467 ug/L

RT: 4.72 min Scan# 1130

Delta R.T. 0.00 min

Lab File: VV014555.D

Acq: 11 Feb 2020 15:18

Instrument :

MSVOA_V

ClientSampleId :

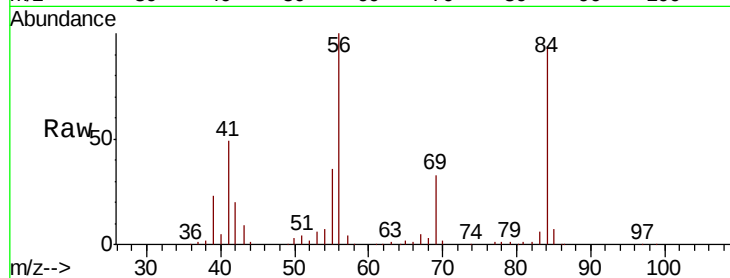
Tot Ion: 56 Resp: 165874

Ion Ratio Lower Upper

56 100

69 32.4 24.9 37.3

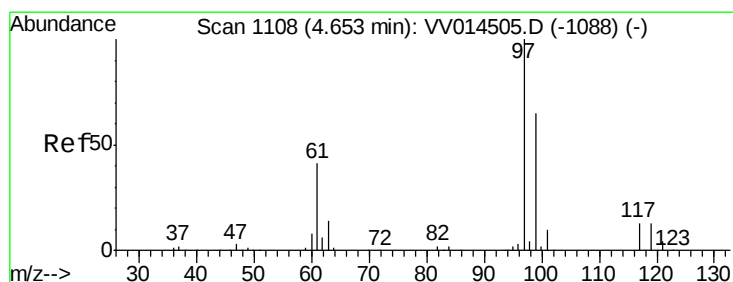
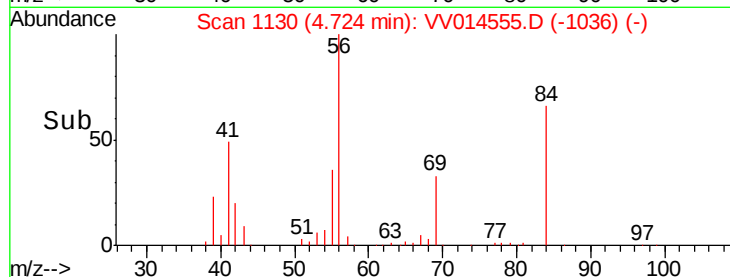
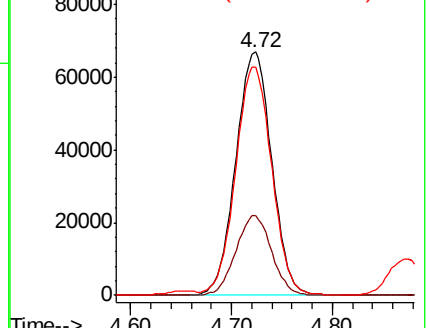
84 94.5 68.6 103.0



Abundance Ion 56.00 (55.70 to 56.70): VV014555.D (-1108) (-)

Ion 69.00 (68.70 to 69.70): VV014555.D (-1108) (-)

Ion 84.00 (83.70 to 84.70): VV014555.D (-1108) (-)



#30

1,1,1-Trichloroethane

Concen: 55.640 ug/L

RT: 4.65 min Scan# 1108

Delta R.T. 0.00 min

Lab File: VV014555.D

Acq: 11 Feb 2020 15:18

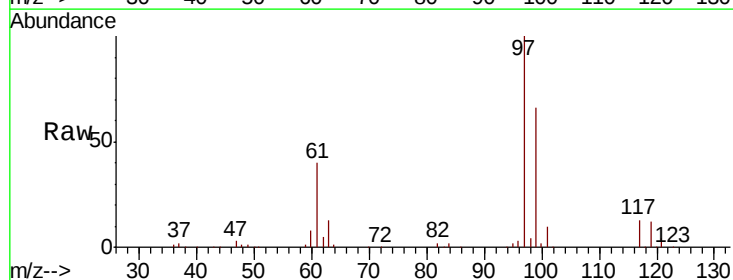
Tgt Ion: 97 Resp: 174220

Ion Ratio Lower Upper

97 100

99 63.7 50.6 76.0

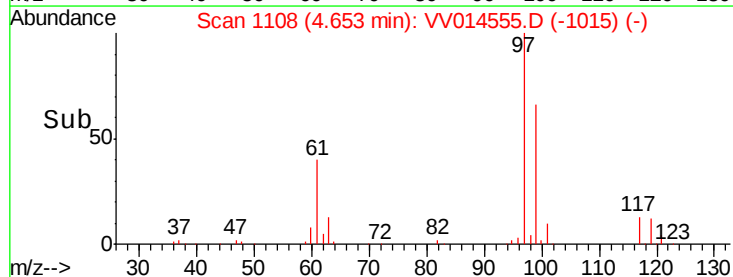
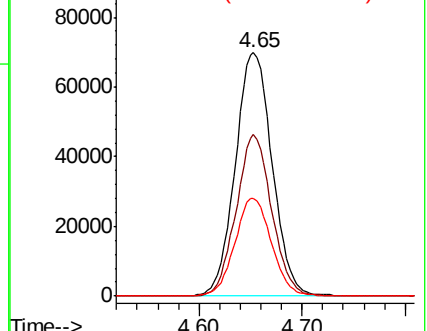
61 40.0 33.0 49.4

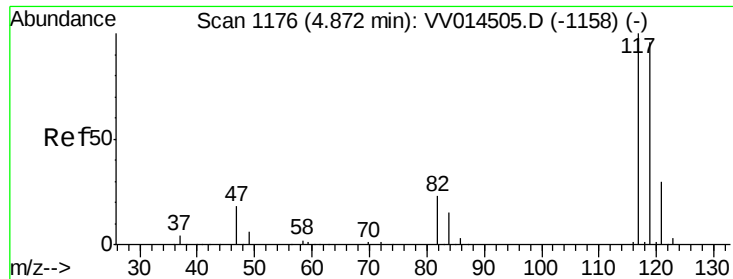


Abundance Ion 97.00 (96.70 to 97.70): VV014555.D (-1088) (-)

Ion 99.00 (98.70 to 99.70): VV014555.D (-1088) (-)

Ion 61.05 (60.75 to 61.75): VV014555.D (-1088) (-)





#31

Carbon tetrachloride

Concen: 56.383 ug/L

RT: 4.87 min Scan# 1176

Delta R.T. 0.00 min

Lab File: VV014555.D

Acq: 11 Feb 2020 15:18

Instrument :

MSVOA_V

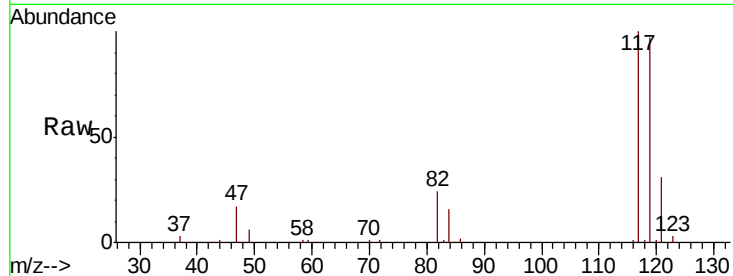
ClientSampleId :

Tot Ion:117 Resp: 154040

Ion Ratio Lower Upper

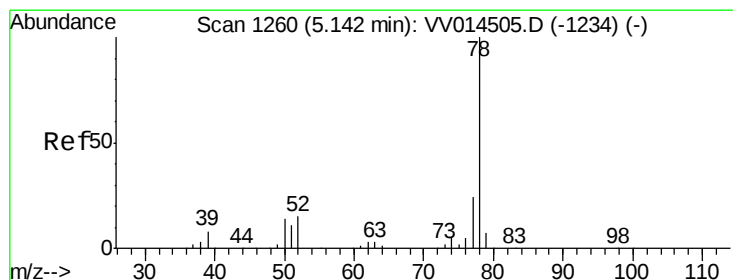
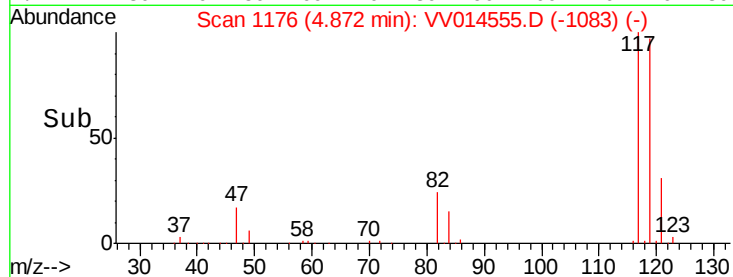
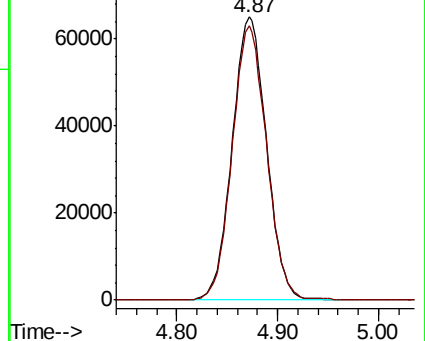
117 100

119 96.5 77.8 116.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 49.164 ug/L

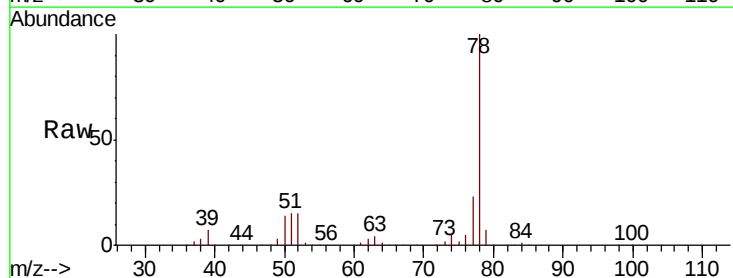
RT: 5.14 min Scan# 1260

Delta R.T. 0.00 min

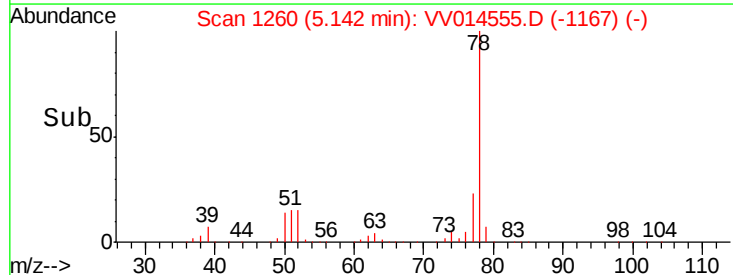
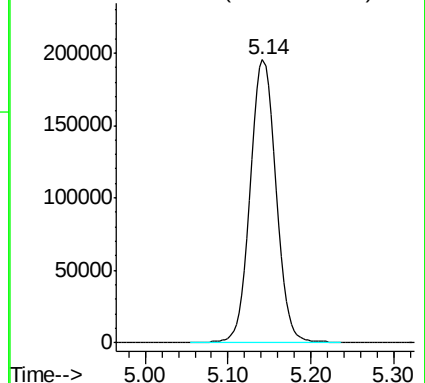
Lab File: VV014555.D

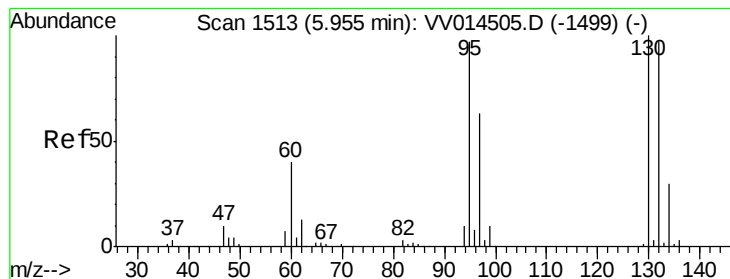
Acq: 11 Feb 2020 15:18

Tgt Ion: 78 Resp: 423871



Abundance Ion 78.00 (77.70 to 78.70): VV0





#34

Trichloroethene

Concen: 52.012 ug/L

RT: 5.95 min Scan# 1512

Delta R.T. -0.00 min

Lab File: VV014555.D

Acq: 11 Feb 2020 15:18

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion: 95 Resp: 113261

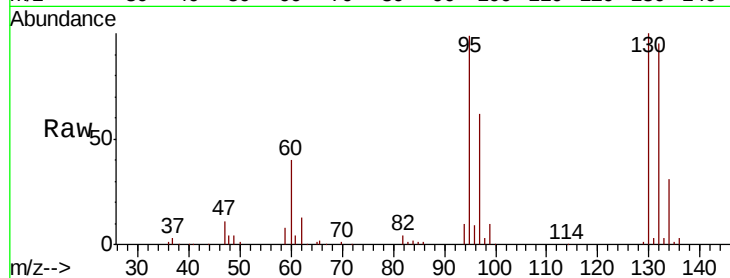
Ion Ratio Lower Upper

95 100

97 62.8 44.7 83.1

132 96.5 65.4 121.4

130 101.3 67.7 125.7

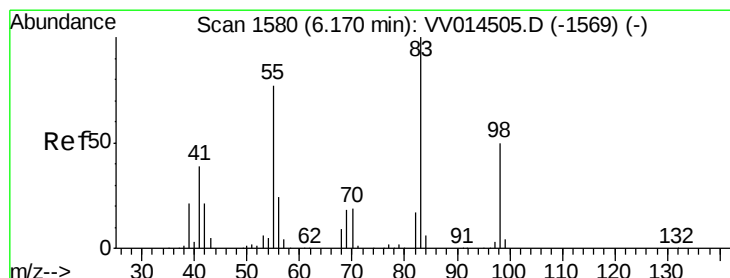
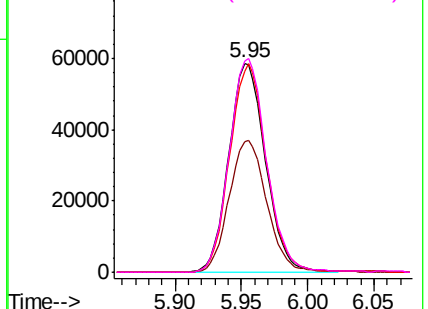
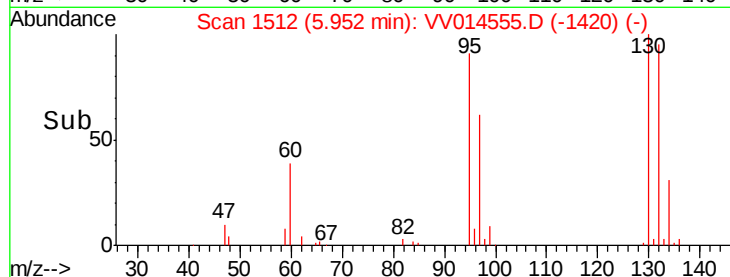


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 51.447 ug/L

RT: 6.17 min Scan# 1580

Delta R.T. 0.00 min

Lab File: VV014555.D

Acq: 11 Feb 2020 15:18

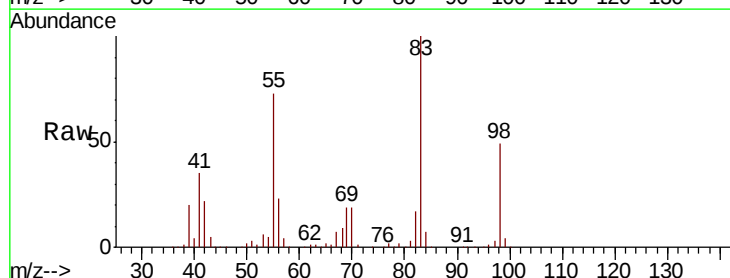
Tgt Ion: 83 Resp: 186151

Ion Ratio Lower Upper

83 100

55 72.4 60.4 90.6

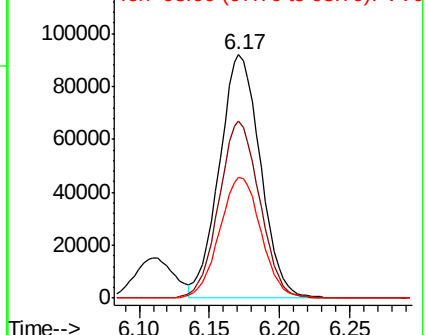
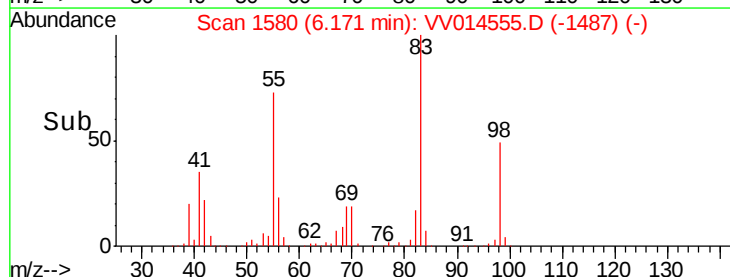
98 50.4 39.2 58.8

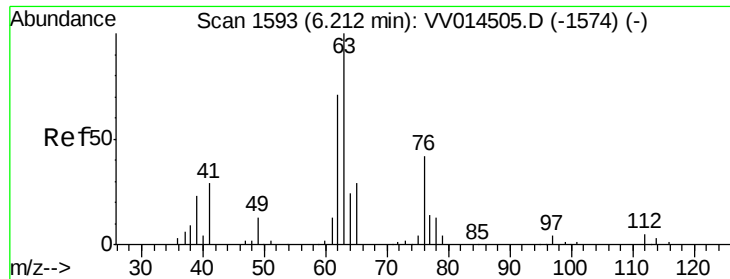


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

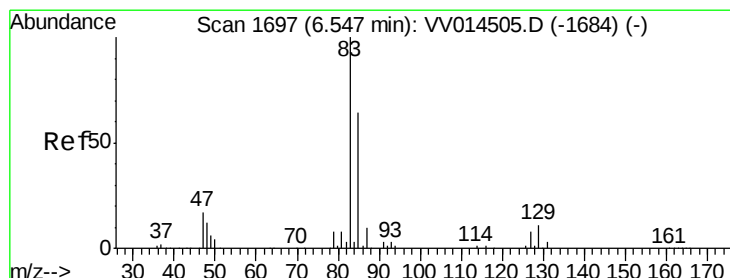
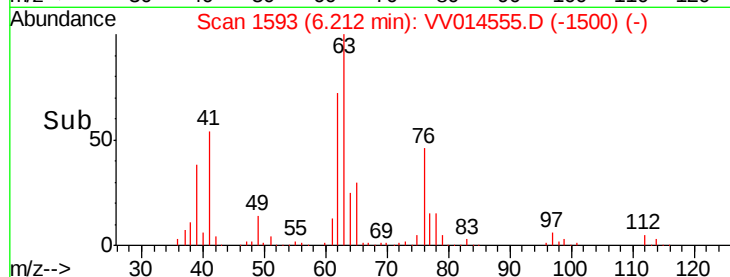
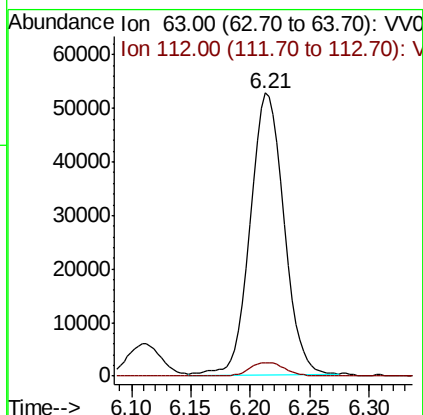
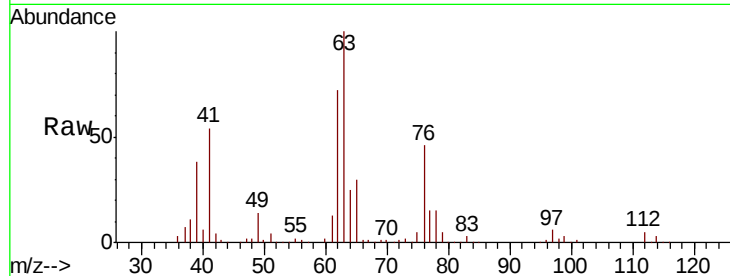




#37
 1,2-Dichloropropane
 Concen: 47.954 ug/L
 RT: 6.21 min Scan# 1593
 Delta R.T. 0.00 min
 Lab File: VV014555.D
 Acq: 11 Feb 2020 15:18

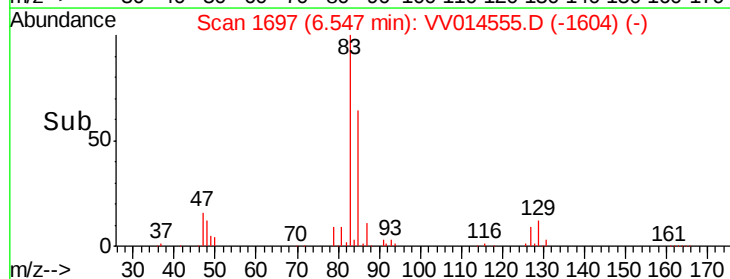
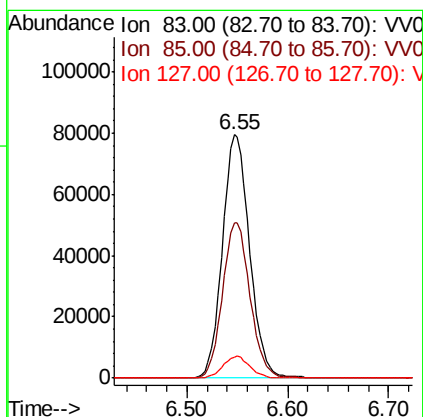
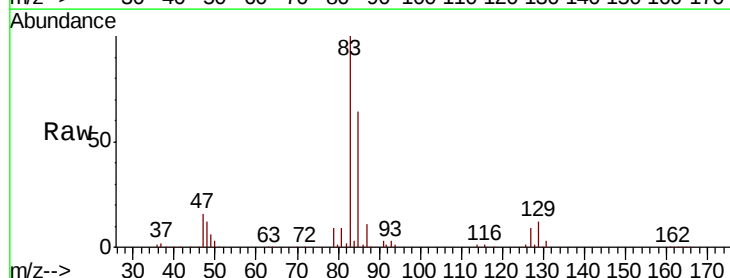
Instrument :
 MSVOA_V
 ClientSampleId :

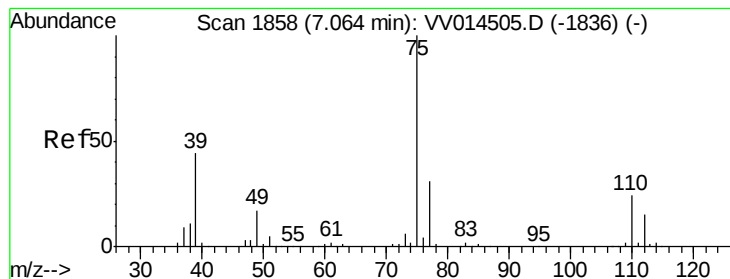
Tot Ion: 63 Resp: 103320
 Ion Ratio Lower Upper
 63 100
 112 5.1 3.8 5.6



#38
 Bromodichloromethane
 Concen: 51.815 ug/L
 RT: 6.55 min Scan# 1697
 Delta R.T. 0.00 min
 Lab File: VV014555.D
 Acq: 11 Feb 2020 15:18

Tgt Ion: 83 Resp: 149475
 Ion Ratio Lower Upper
 83 100
 85 63.7 44.9 83.3
 127 8.8 6.3 9.5



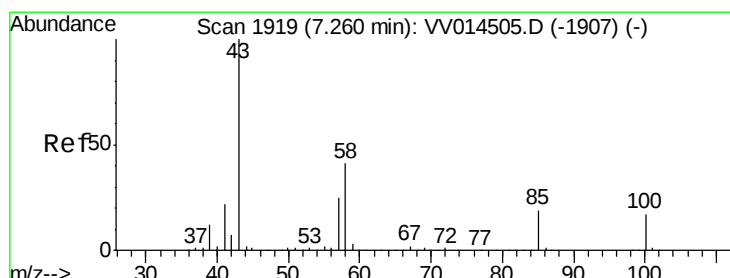
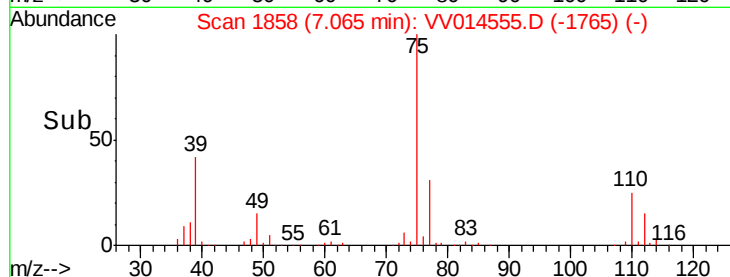
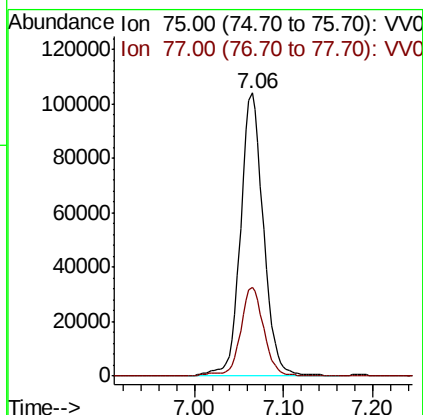
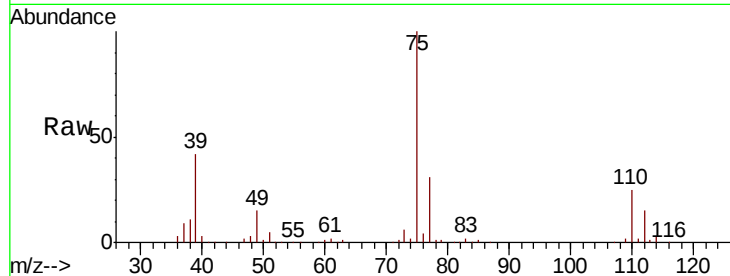


#39

cis-1,3-Dichloropropene
Concen: 52.353 ug/L
RT: 7.06 min Scan# 1858
Delta R.T. 0.00 min
Lab File: VV014555.D
Acq: 11 Feb 2020 15:18

Instrument :
MSVOA_V
ClientSampleId :

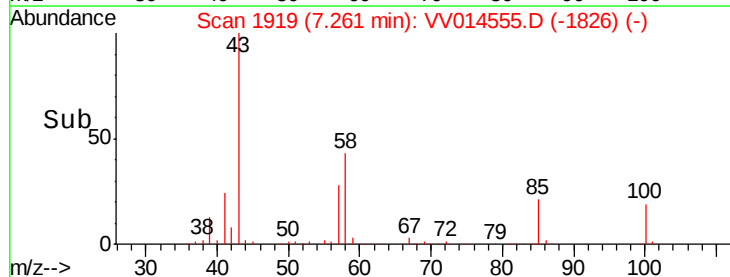
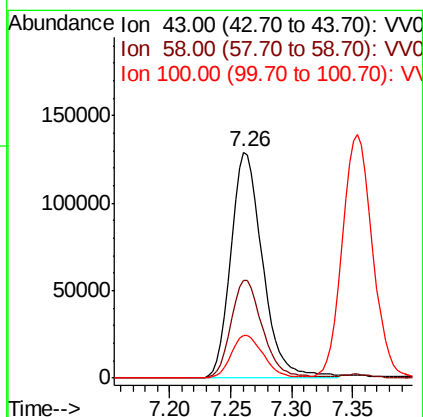
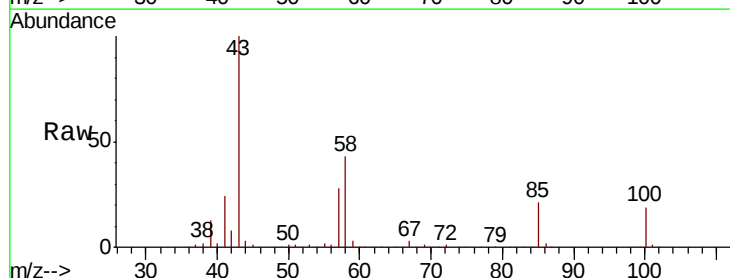
Tot Ion: 75 Resp: 185478
Ion Ratio Lower Upper
75 100
77 31.4 22.7 42.3

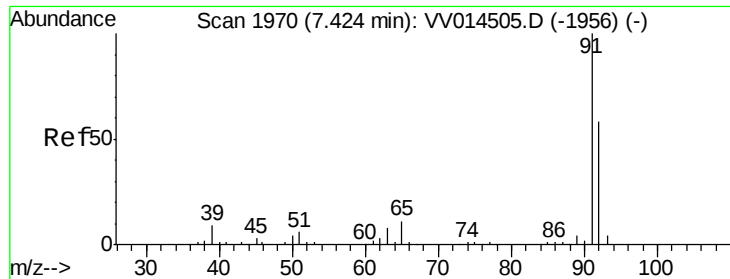


#40

4-Methyl-2-pentanone
Concen: 90.310 ug/L
RT: 7.26 min Scan# 1919
Delta R.T. 0.00 min
Lab File: VV014555.D
Acq: 11 Feb 2020 15:18

Tgt Ion: 43 Resp: 235239
Ion Ratio Lower Upper
43 100
58 43.1 31.9 47.9
100 19.2 12.2 18.4#





#42

Toluene

Concen: 51.329 ug/L

RT: 7.42 min Scan# 1970

Delta R.T. 0.00 min

Lab File: VV014555.D

Acq: 11 Feb 2020 15:18

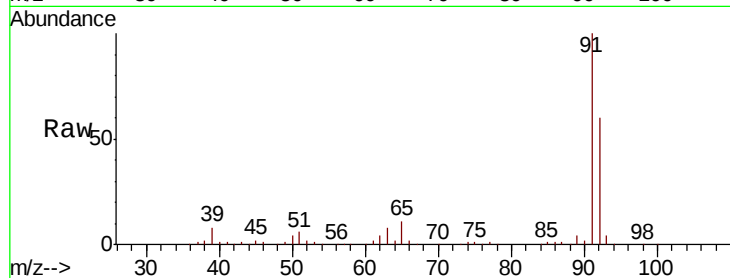
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 463257

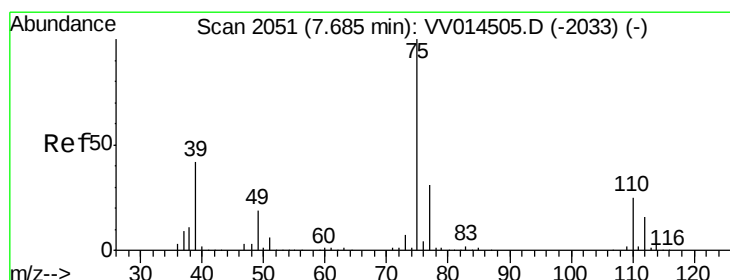
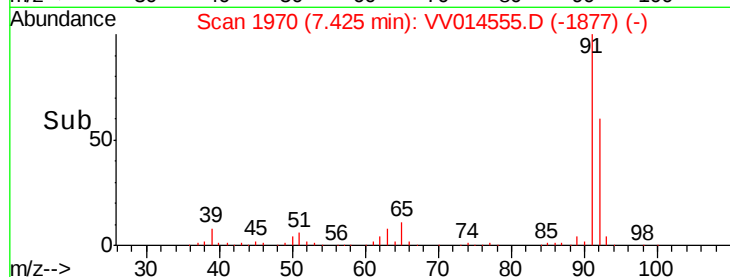
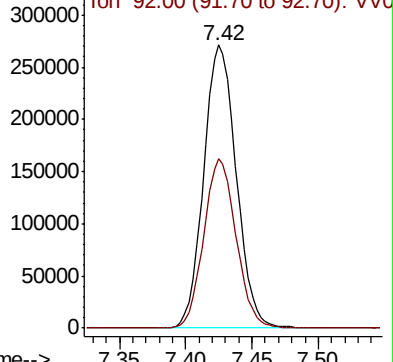
Ion Ratio Lower Upper

91 100

92 59.8 41.0 76.2



Abundance Ion 91.00 (90.70 to 91.70): VV014505.D (-1956) (-)



#44

trans-1,3-Dichloropropene

Concen: 52.941 ug/L

RT: 7.69 min Scan# 2051

Delta R.T. 0.00 min

Lab File: VV014555.D

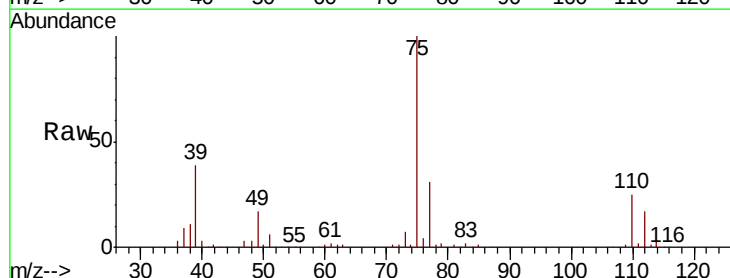
Acq: 11 Feb 2020 15:18

Tgt Ion: 75 Resp: 166570

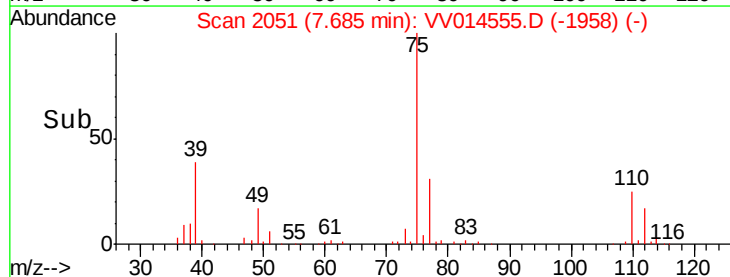
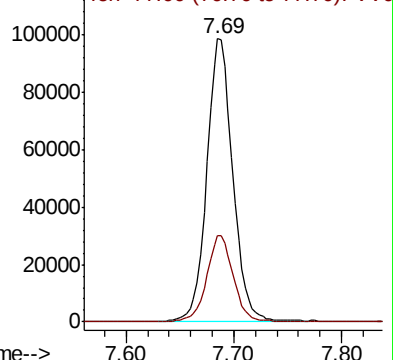
Ion Ratio Lower Upper

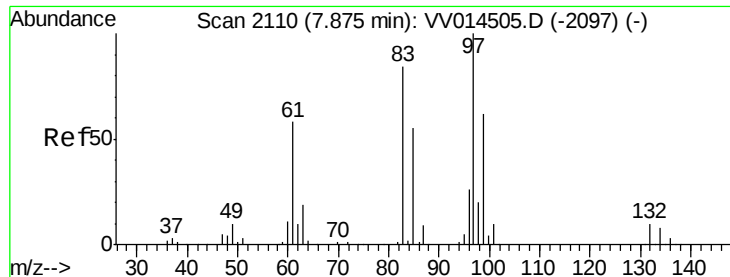
75 100

77 30.5 22.0 40.8



Abundance Ion 75.00 (74.70 to 75.70): VV014505.D (-2033) (-)

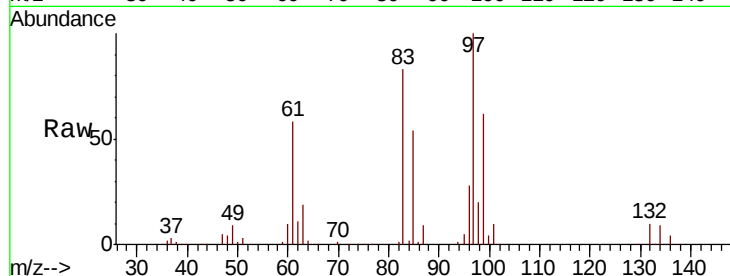




#45
1,1,2-Trichloroethane
Concen: 51.554 ug/L
RT: 7.87 min Scan# 2110
Delta R.T. 0.00 min
Lab File: VV014555.D
Acq: 11 Feb 2020 15:18

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:	97	Resp:	104948
Ion	Ratio	Lower	Upper
97	100		
99	61.9	43.8	81.3
83	83.5	60.0	111.4
85	53.5	37.2	69.0



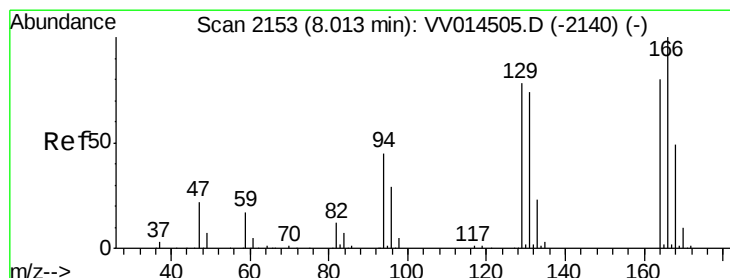
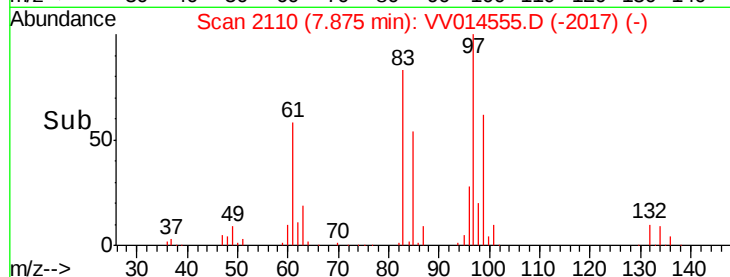
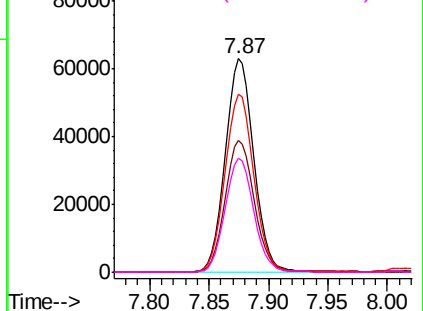
Abundance

Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

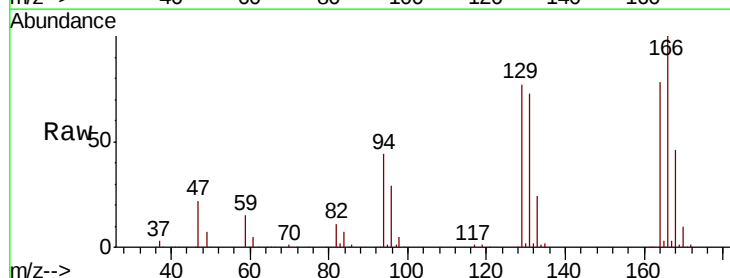
Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0



#46
Tetrachloroethene
Concen: 56.867 ug/L
RT: 8.01 min Scan# 2153
Delta R.T. 0.00 min
Lab File: VV014555.D
Acq: 11 Feb 2020 15:18

Tgt Ion:	164	Resp:	90563
Ion	Ratio	Lower	Upper
164	100		
129	97.6	70.4	130.8
131	92.6	65.5	121.7
166	127.5	89.9	166.9



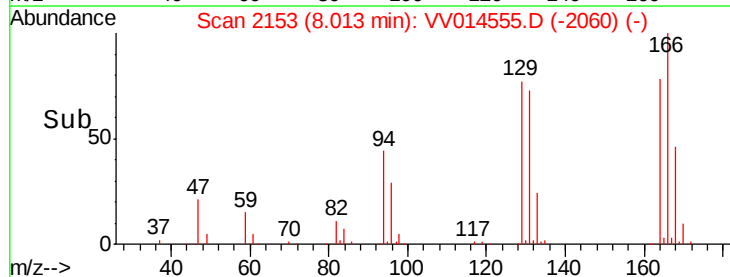
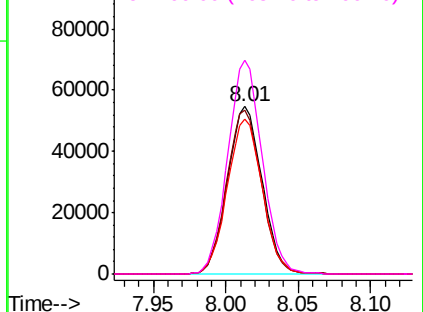
Abundance

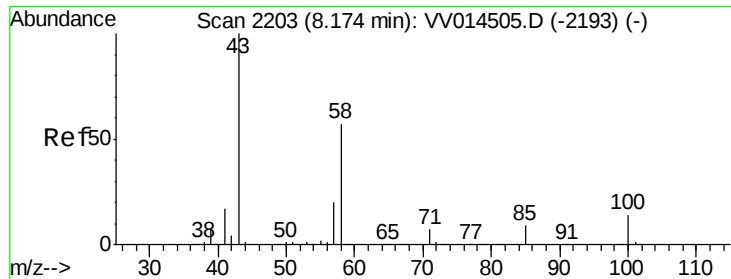
Ion 164.00 (163.70 to 164.70): V

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

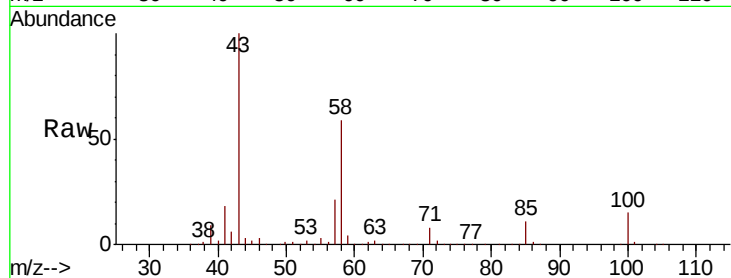




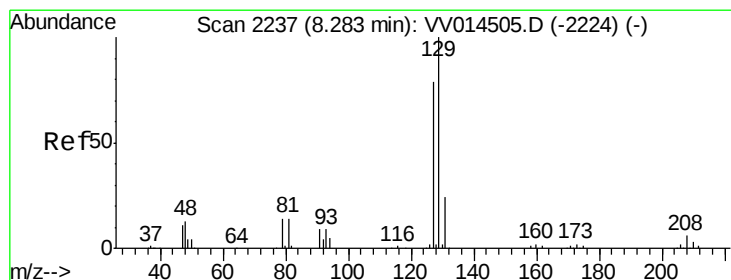
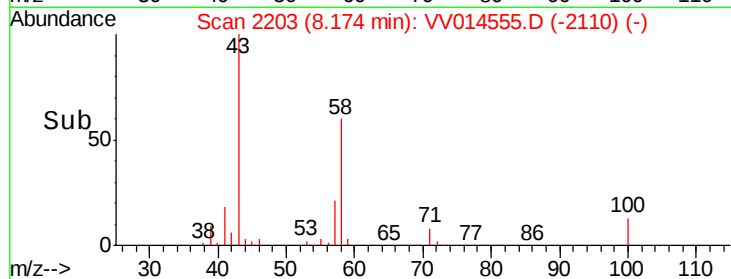
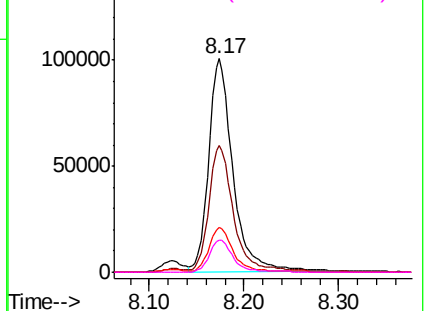
#48
2-Hexanone
Concen: 87.698 ug/L
RT: 8.17 min Scan# 2203
Delta R.T. 0.00 min
Lab File: VV014555.D
Acq: 11 Feb 2020 15:18

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 178690
Ion Ratio Lower Upper
43 100
58 58.1 48.0 72.0
57 20.1 15.0 22.6
100 15.1 10.4 15.6

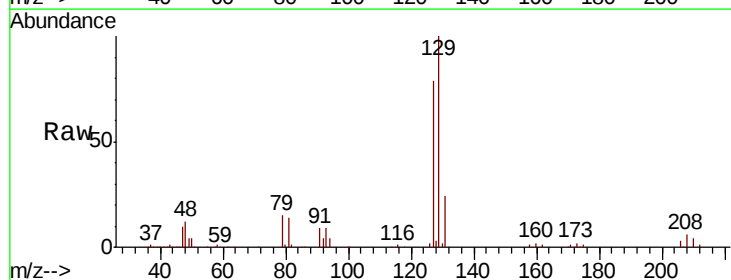


Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 58.00 (57.70 to 58.70): VV0
Ion 57.00 (56.70 to 57.70): VV0
Ion 100.00 (99.70 to 100.70): VV0

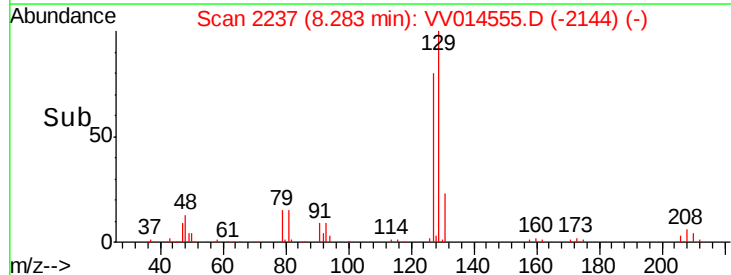
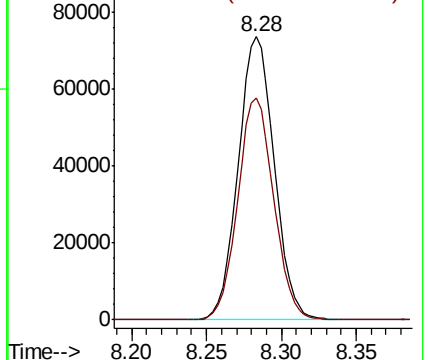


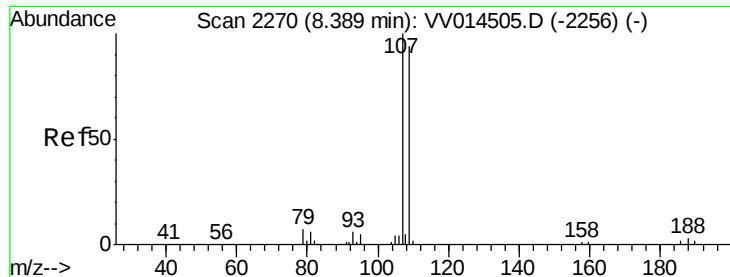
#49
Dibromochloromethane
Concen: 55.249 ug/L
RT: 8.28 min Scan# 2237
Delta R.T. 0.00 min
Lab File: VV014555.D
Acq: 11 Feb 2020 15:18

Tgt Ion: 129 Resp: 123744
Ion Ratio Lower Upper
129 100
127 78.5 55.1 102.3



Abundance Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V

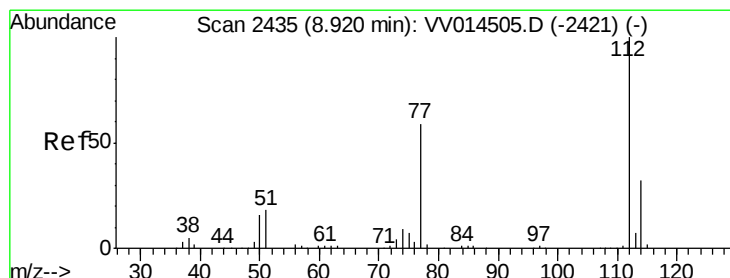
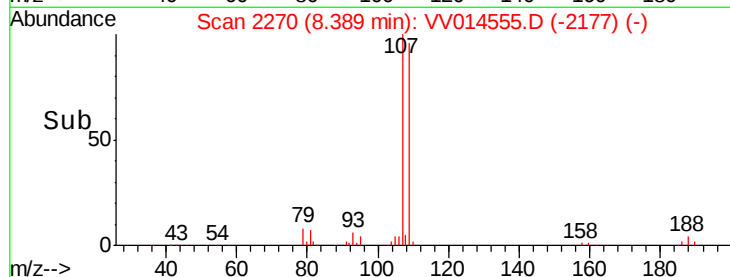
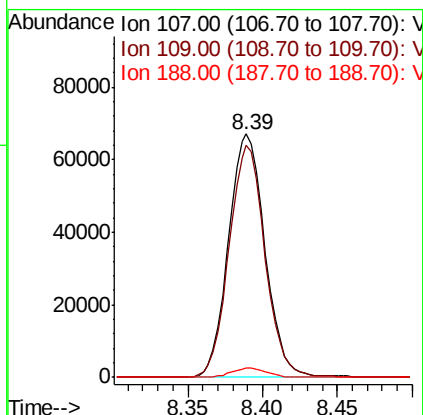
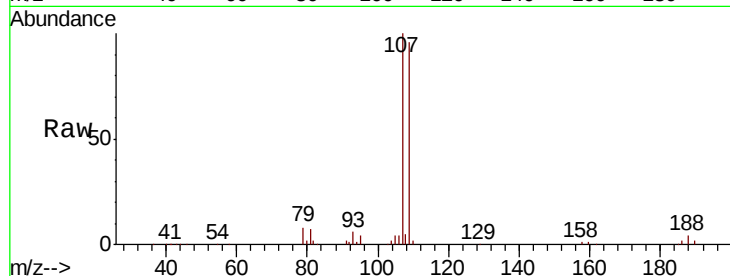




#50
 1,2-Dibromoethane
 Concen: 52.385 ug/L
 RT: 8.39 min Scan# 2270
 Delta R.T. 0.00 min
 Lab File: VV014555.D
 Acq: 11 Feb 2020 15:18

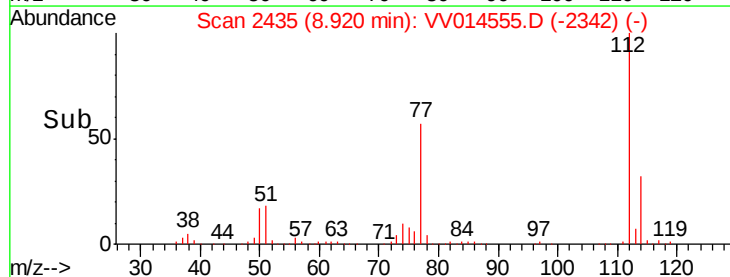
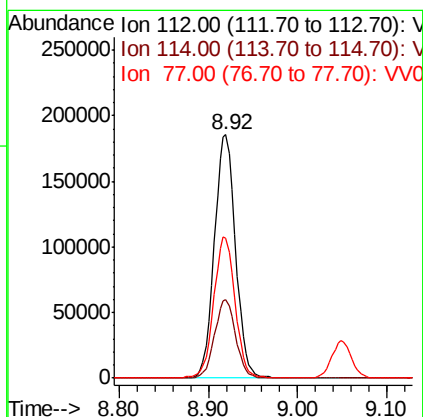
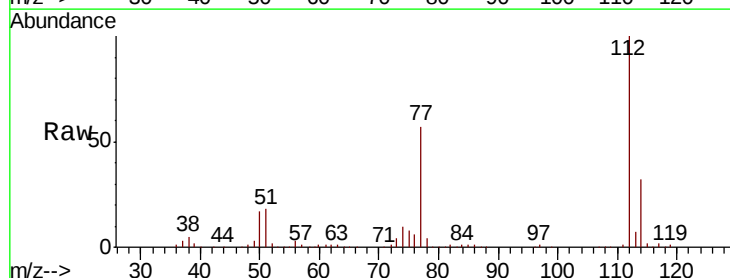
Instrument :
 MSVOA_V
 ClientSampleId :

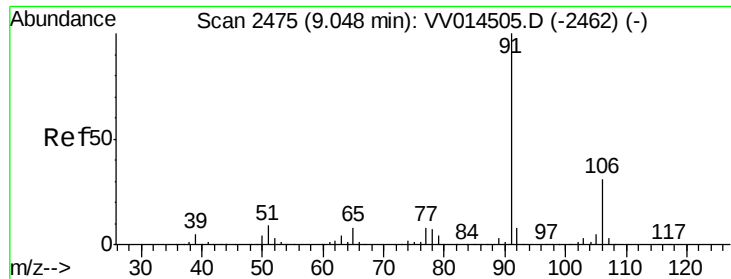
Tot Ion:107 Resp: 113542
 Ion Ratio Lower Upper
 107 100
 109 95.5 65.5 121.7
 188 3.7 2.6 3.8



#51
 Chlorobenzene
 Concen: 52.822 ug/L
 RT: 8.92 min Scan# 2435
 Delta R.T. 0.00 min
 Lab File: VV014555.D
 Acq: 11 Feb 2020 15:18

Tgt Ion:112 Resp: 304976
 Ion Ratio Lower Upper
 112 100
 114 32.1 22.5 41.9
 77 57.3 47.5 71.3





#52

Ethylbenzene

Concen: 51.358 ug/L

RT: 9.05 min Scan# 2475

Delta R.T. 0.00 min

Lab File: VV014555.D

Acq: 11 Feb 2020 15:18

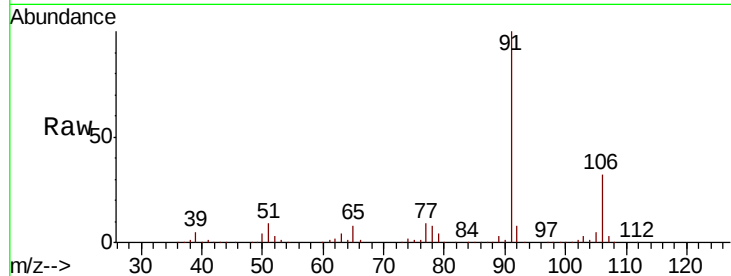
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 520238

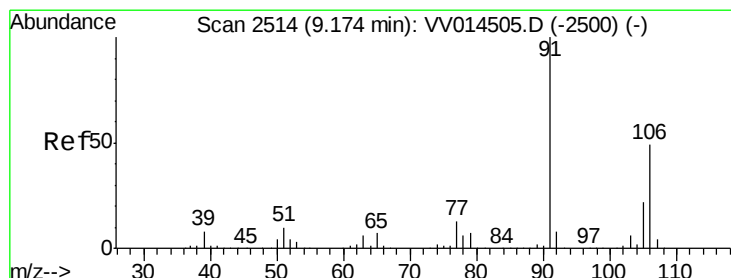
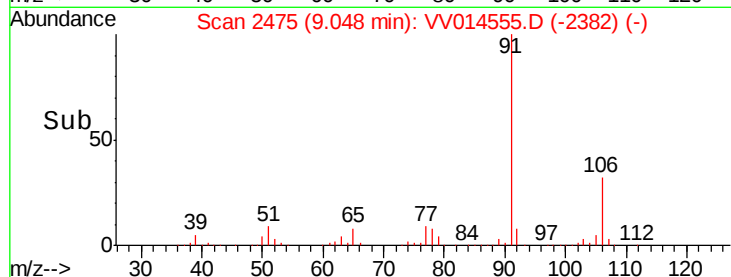
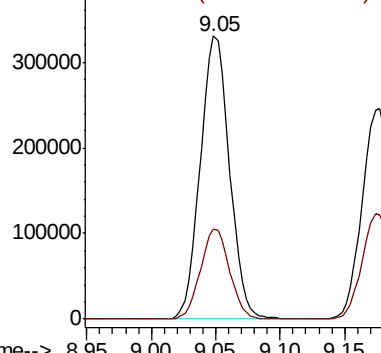
Ion Ratio Lower Upper

91 100

106 32.0 21.8 40.6



Abundance Ion 91.00 (90.70 to 91.70): VV014555.D (-2462) (-)



#53

m,p-Xylene

Concen: 53.430 ug/L

RT: 9.17 min Scan# 2514

Delta R.T. 0.00 min

Lab File: VV014555.D

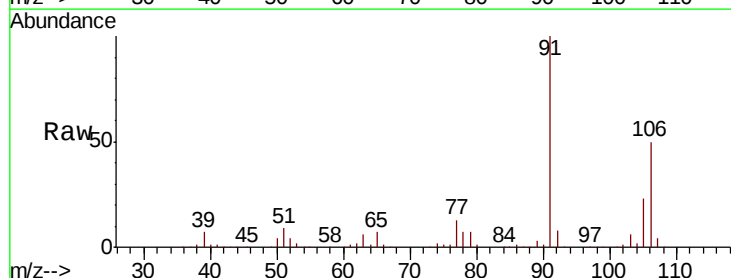
Acq: 11 Feb 2020 15:18

Tgt Ion: 106 Resp: 202096

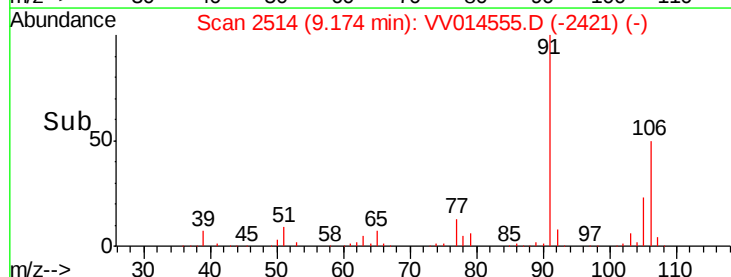
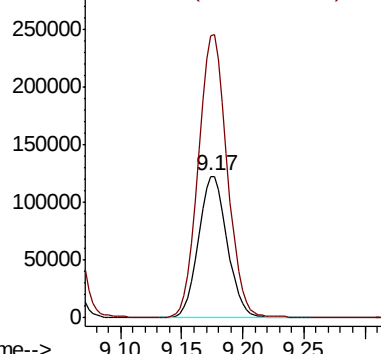
Ion Ratio Lower Upper

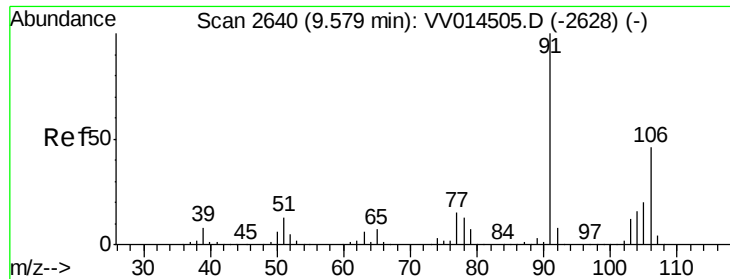
106 100

91 199.8 140.9 261.7



Abundance Ion 106.00 (105.70 to 106.70): VV014555.D (-2500) (-)

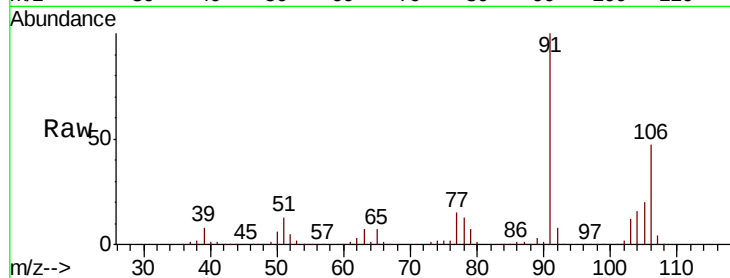




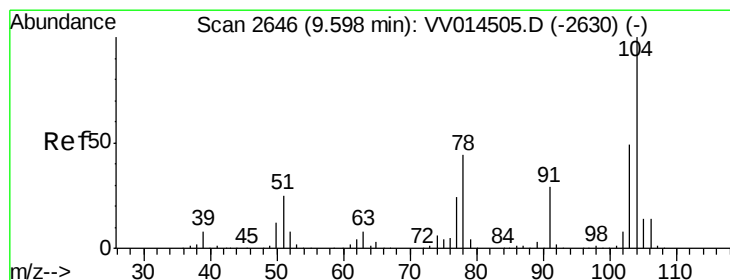
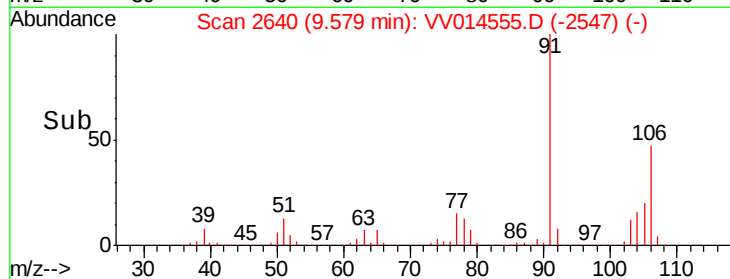
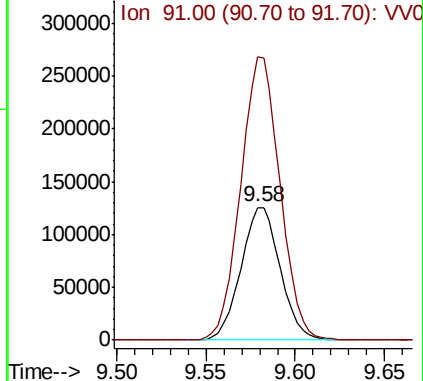
#54
o-xylene
Concen: 51.493 ug/L
RT: 9.58 min Scan# 2640
Delta R.T. 0.00 min
Lab File: VV014555.D
Acq: 11 Feb 2020 15:18

Instrument :
MSVOA_V
ClientSampled :

Tot Ion:106 Resp: 192995
Ion Ratio Lower Upper
106 100
91 212.9 150.4 279.2

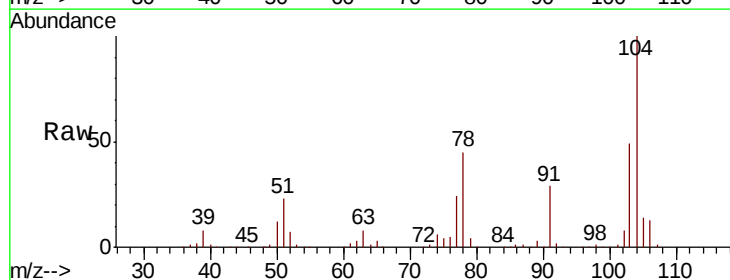


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0

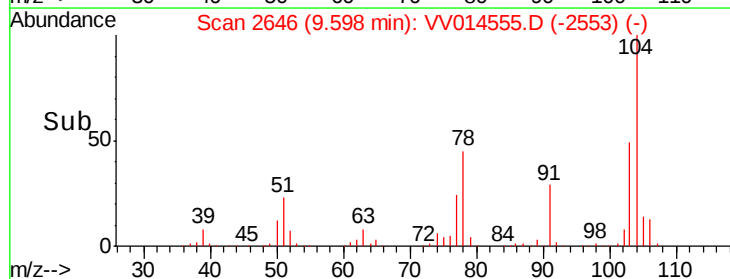
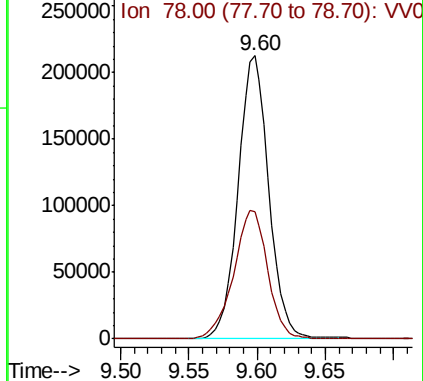


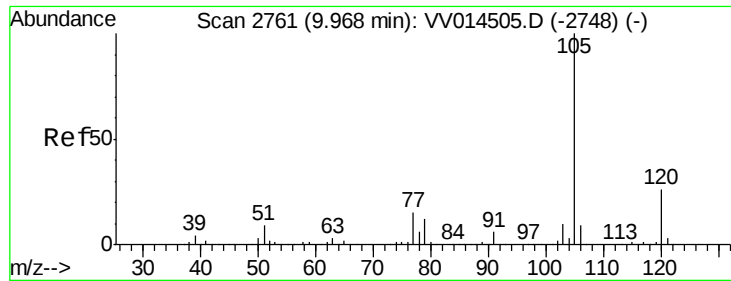
#55
Styrene
Concen: 52.787 ug/L
RT: 9.60 min Scan# 2646
Delta R.T. 0.00 min
Lab File: VV014555.D
Acq: 11 Feb 2020 15:18

Tgt Ion:104 Resp: 332037
Ion Ratio Lower Upper
104 100
78 44.8 31.3 58.1



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





#56

Isopropylbenzene

Concen: 53.899 ug/L

RT: 9.97 min Scan# 2761

Delta R.T. 0.00 min

Lab File: VV014555.D

Acq: 11 Feb 2020 15:18

Instrument :

MSVOA_V

ClientSampleId :

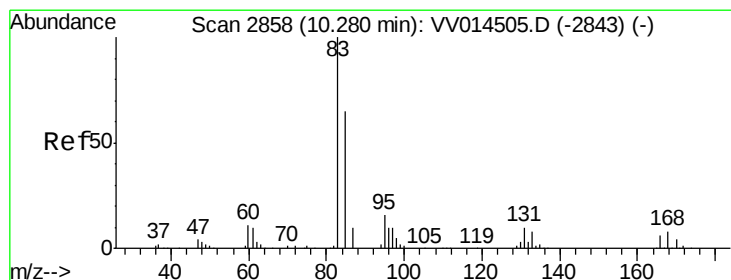
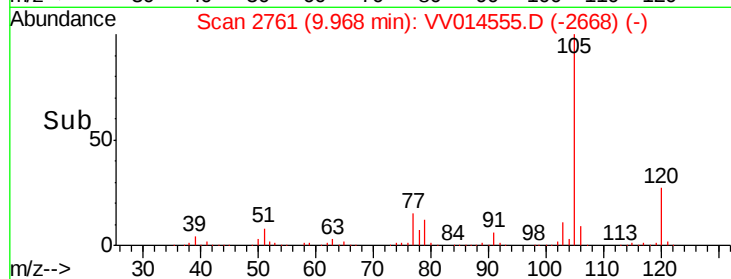
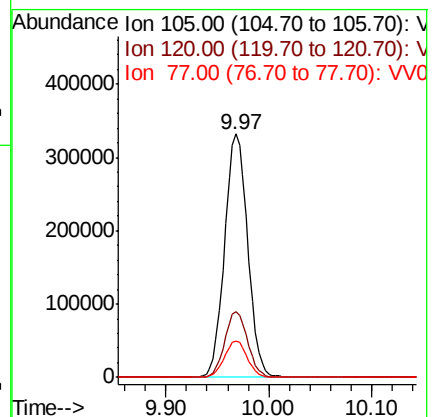
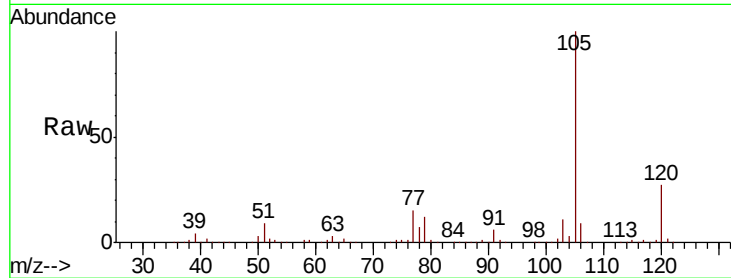
Tot Ion:105 Resp: 516531

Ion Ratio Lower Upper

105 100

120 26.7 21.0 31.6

77 14.8 12.5 18.7



#58

1,1,2,2-Tetrachloroethane

Concen: 49.316 ug/L

RT: 10.28 min Scan# 2858

Delta R.T. 0.00 min

Lab File: VV014555.D

Acq: 11 Feb 2020 15:18

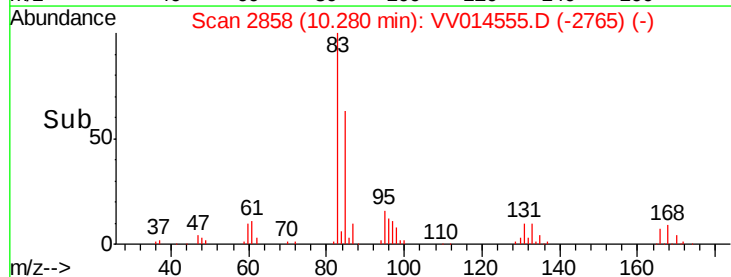
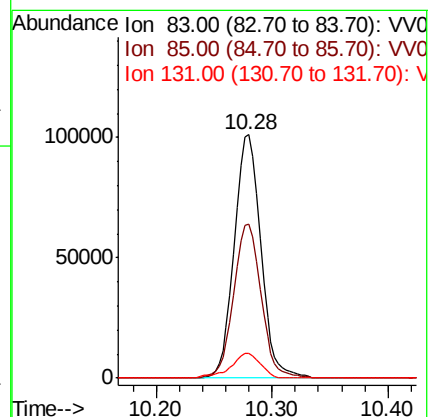
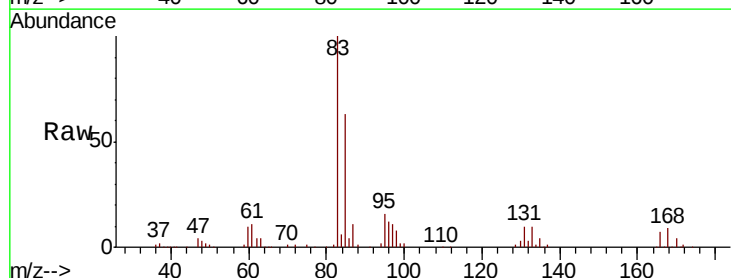
Tgt Ion: 83 Resp: 160381

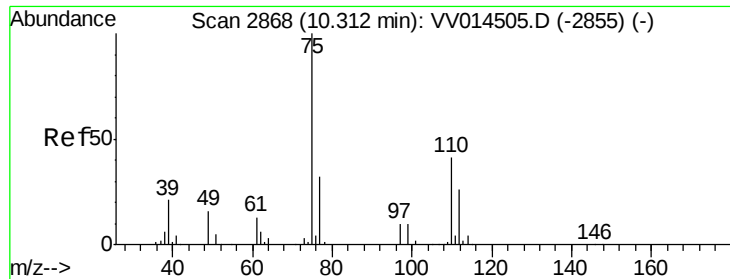
Ion Ratio Lower Upper

83 100

85 63.1 44.2 82.2

131 10.2 7.6 11.4





#59

1,2,3-Trichloropropane

Concen: 48.939 ug/L

RT: 10.31 min Scan# 2868

Delta R.T. 0.00 min

Lab File: VV014555.D

Acq: 11 Feb 2020 15:18

Instrument :

MSVOA_V

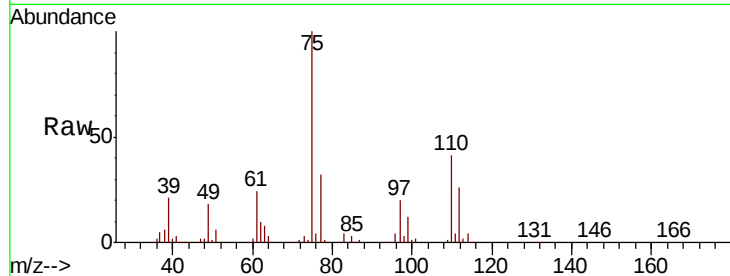
ClientSampleId :

Tot Ion: 75 Resp: 124607

Ion Ratio Lower Upper

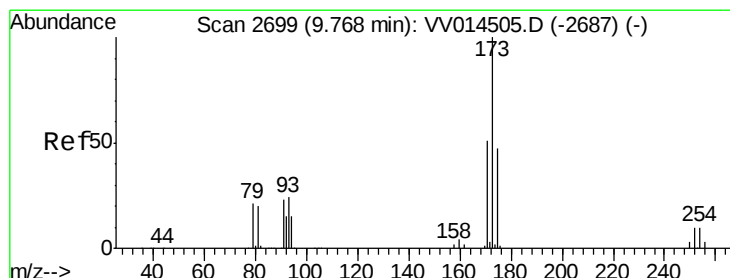
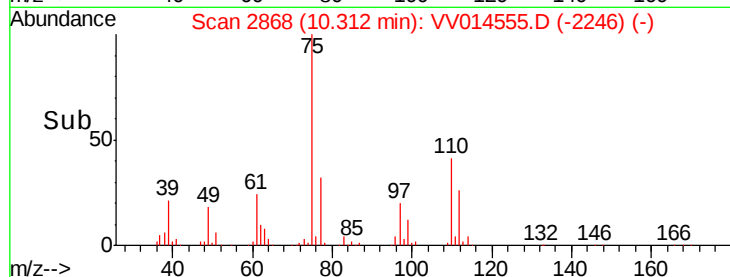
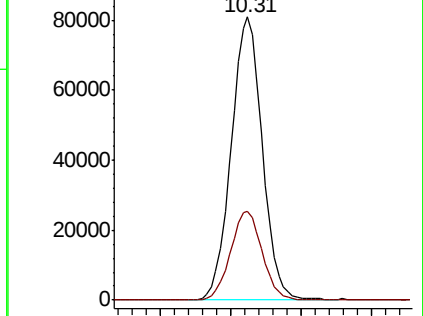
75 100

77 32.1 25.9 38.9



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0



#61

Bromoform

Concen: 54.763 ug/L

RT: 9.77 min Scan# 2699

Delta R.T. 0.00 min

Lab File: VV014555.D

Acq: 11 Feb 2020 15:18

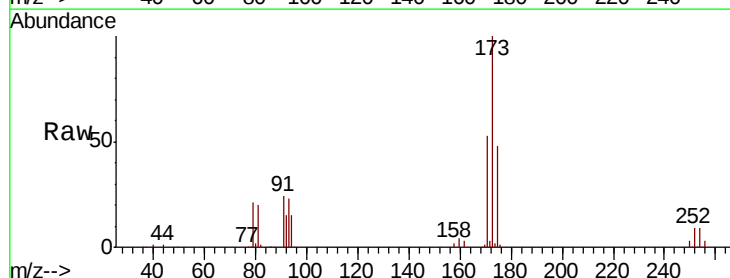
Tgt Ion: 173 Resp: 84331

Ion Ratio Lower Upper

173 100

175 48.9 38.8 58.2

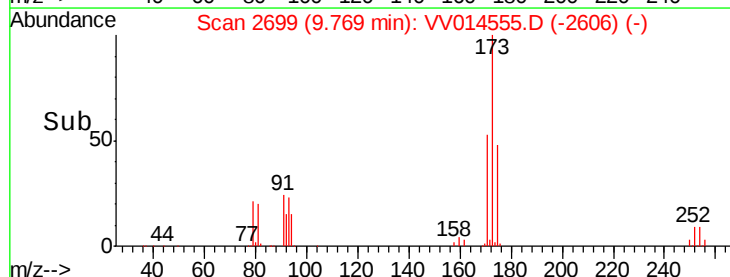
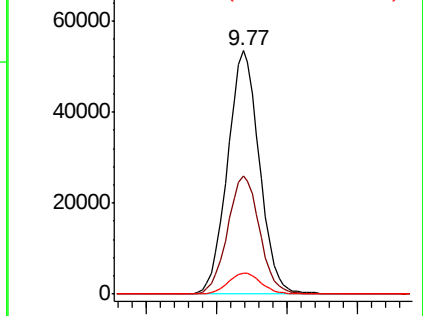
254 8.8 7.0 10.6

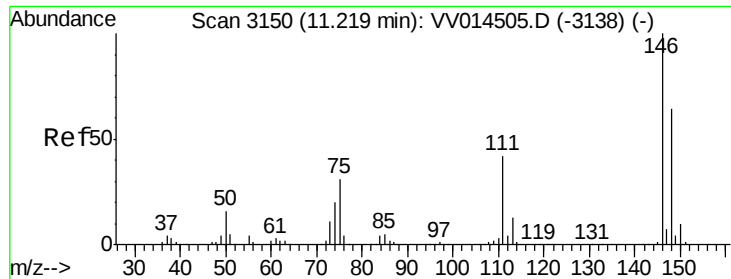


Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V

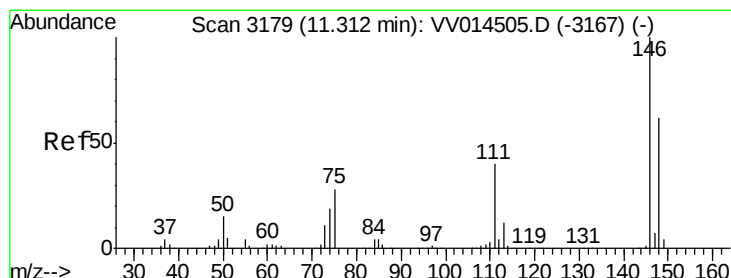
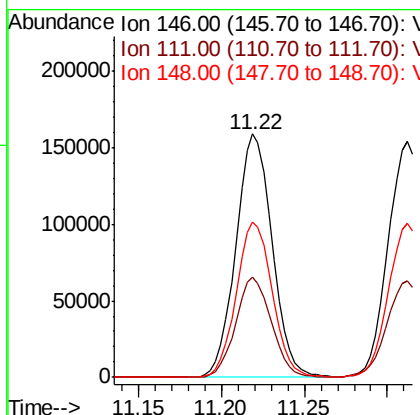
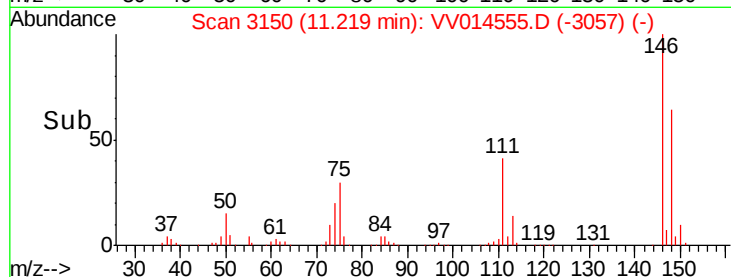
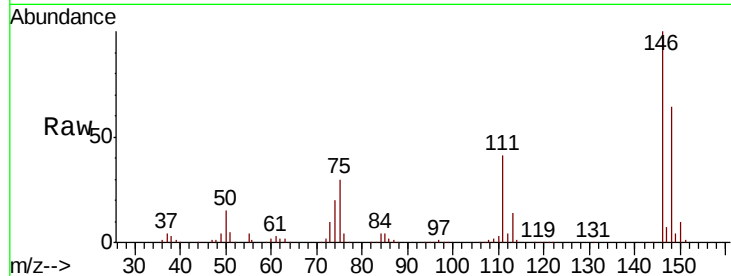




#62
 1,3-Dichlorobenzene
 Concen: 53.495 ug/L
 RT: 11.22 min Scan# 3150
 Delta R.T. 0.00 min
 Lab File: VV014555.D
 Acq: 11 Feb 2020 15:18

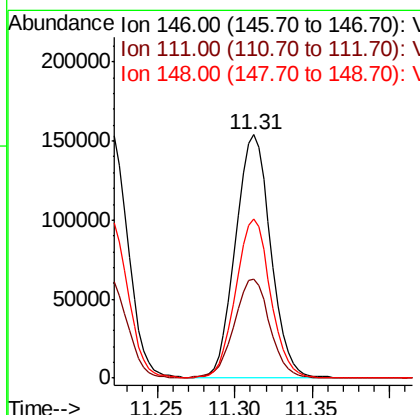
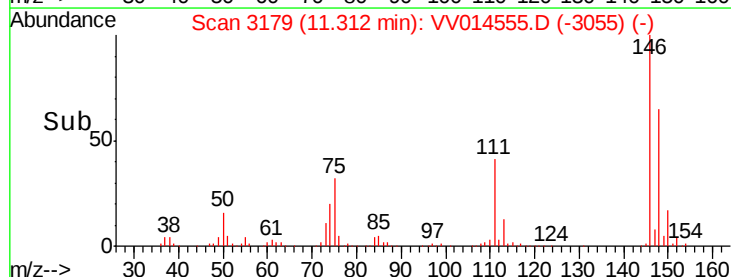
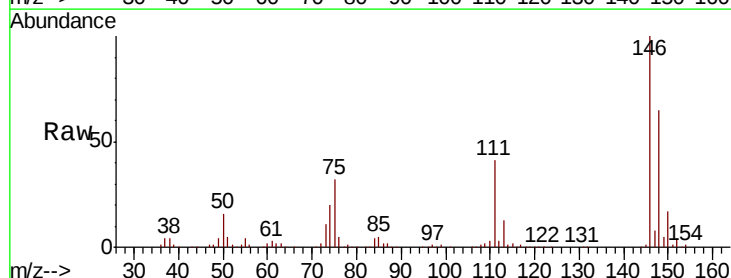
Instrument :
 MSVOA_V
 ClientSampleId :

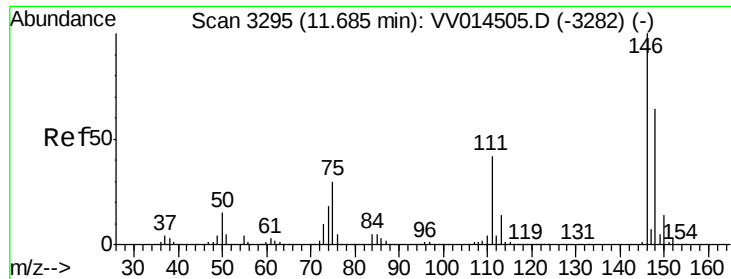
Tot Ion	Ratio	Lower	Upper
146	100		
111	41.0	29.3	54.3
148	64.0	44.9	83.3



#63
 1,4-Dichlorobenzene
 Concen: 51.835 ug/L
 RT: 11.31 min Scan# 3179
 Delta R.T. 0.00 min
 Lab File: VV014555.D
 Acq: 11 Feb 2020 15:18

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.8	28.1	52.1
148	65.4	43.5	80.9





#65

1,2-Dichlorobenzene

Concen: 51.849 ug/L

RT: 11.68 min Scan# 3294

Delta R.T. -0.00 min

Lab File: VV014555.D

Acq: 11 Feb 2020 15:18

Instrument :

MSVOA_V

ClientSampleId :

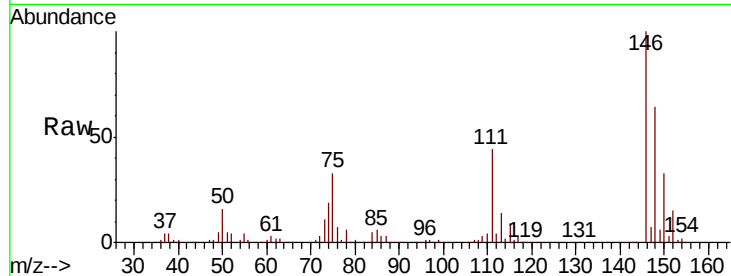
Tot Ion:146 Resp: 232312

Ion Ratio Lower Upper

146 100

111 44.2 34.6 51.8

148 64.3 51.2 76.8

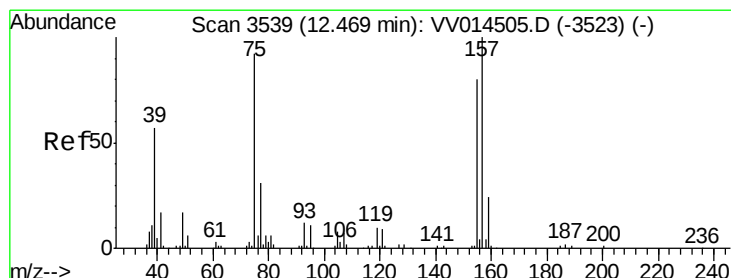
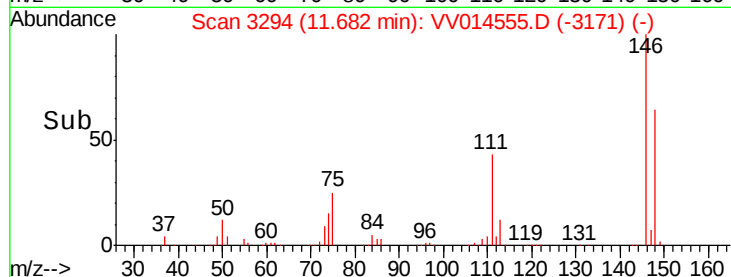
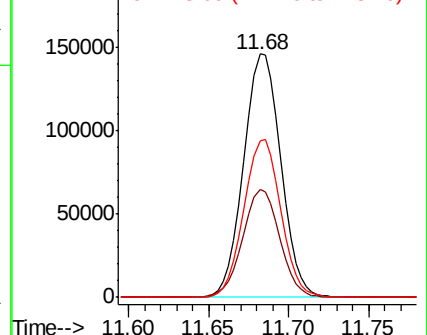


Abundance

Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 47.553 ug/L

RT: 12.47 min Scan# 3539

Delta R.T. 0.00 min

Lab File: VV014555.D

Acq: 11 Feb 2020 15:18

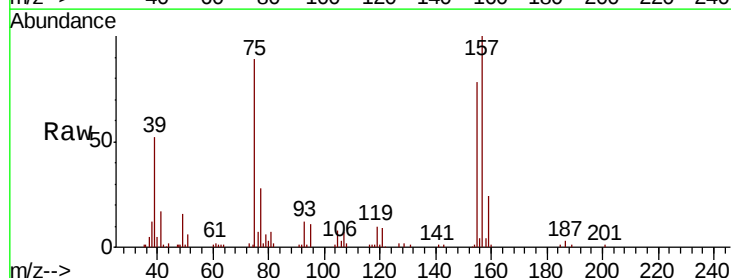
Tgt Ion: 75 Resp: 33870

Ion Ratio Lower Upper

75 100

155 88.2 64.2 96.2

157 112.3 83.4 125.2

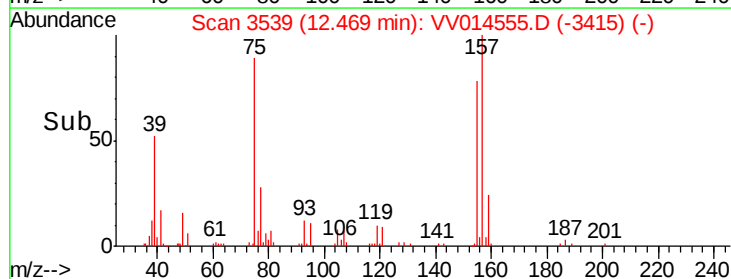
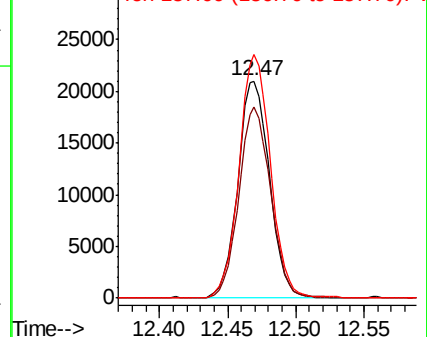


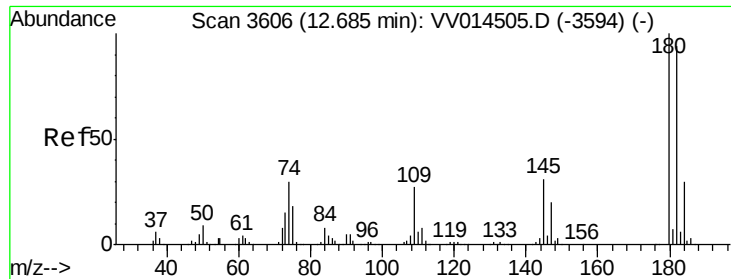
Abundance

Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

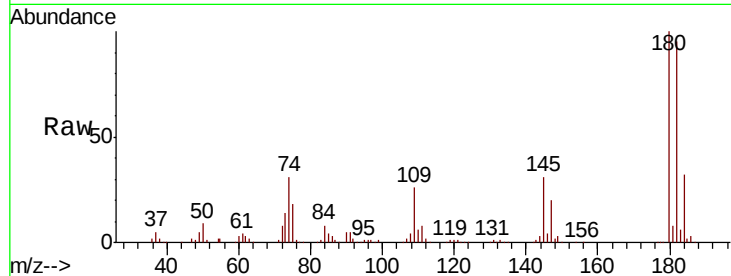




#67
 1,3,5-Trichlorobenzene
 Concen: 56.925 ug/L
 RT: 12.68 min Scan# 3606
 Delta R.T. 0.00 min
 Lab File: VV014555.D
 Acq: 11 Feb 2020 15:18

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.8	76.3	114.5
184	30.8	24.2	36.2
145	31.0	25.4	38.2



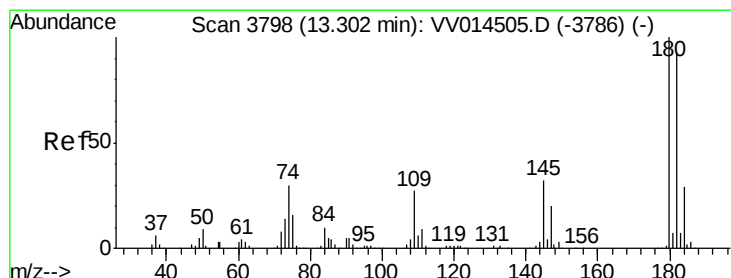
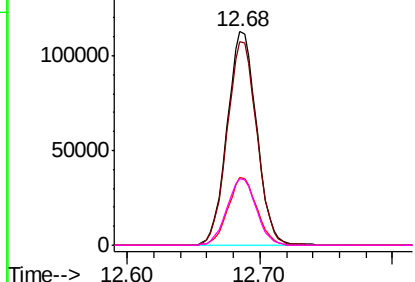
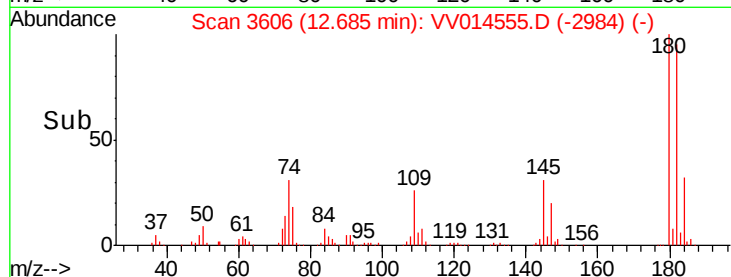
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

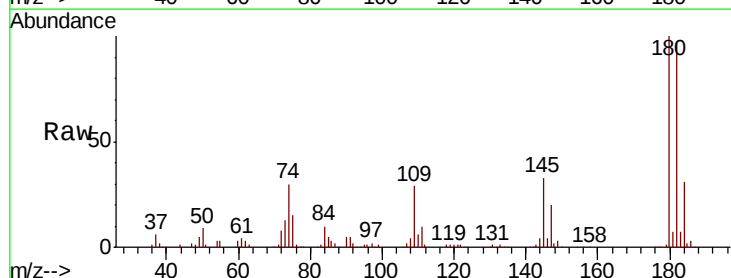
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 57.783 ug/L
 RT: 13.30 min Scan# 3798
 Delta R.T. 0.00 min
 Lab File: VV014555.D
 Acq: 11 Feb 2020 15:18

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.2	76.0	114.0
145	32.7	26.2	39.2

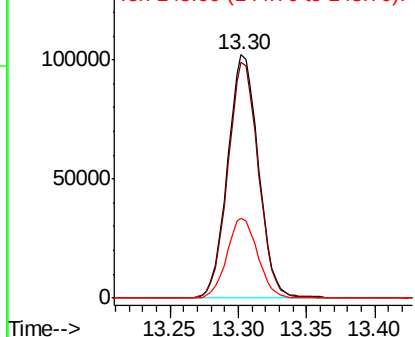
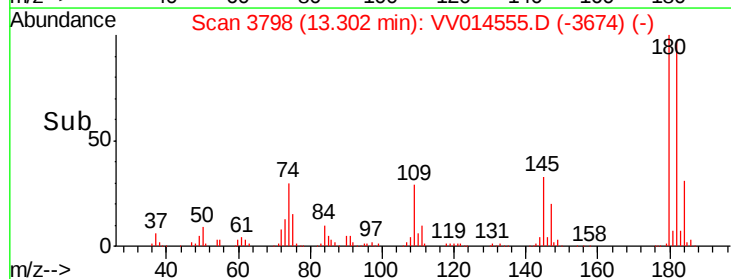


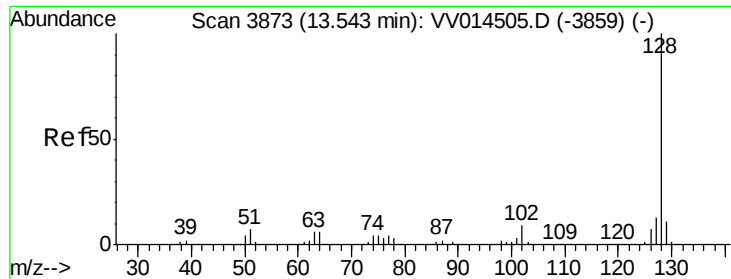
Abundance

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





#69

Naphthalene

Concen: 54.235 ug/L

RT: 13.54 min Scan# 3873

Delta R.T. 0.00 min

Lab File: VV014555.D

Acq: 11 Feb 2020 15:18

Instrument :

MSVOA_V

ClientSampleId :

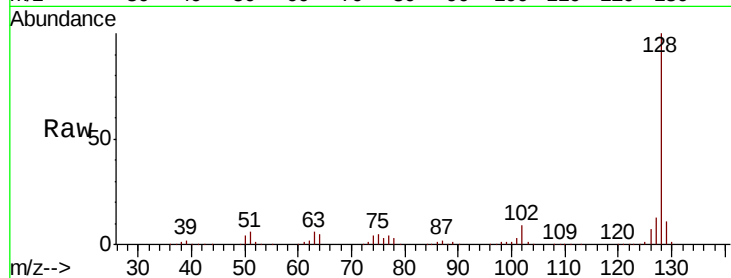
Tot Ion:128 Resp: 476472

Ion Ratio Lower Upper

128 100

127 13.0 10.2 15.4

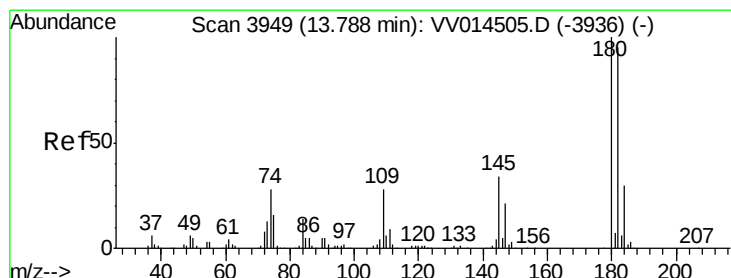
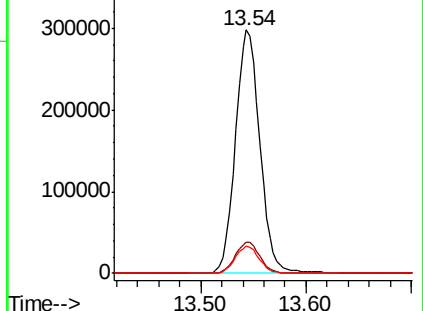
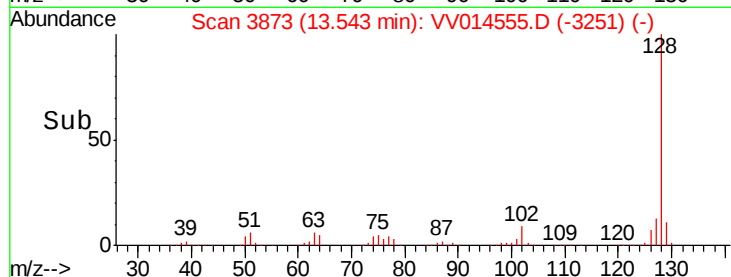
129 11.1 8.6 13.0



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: 57.386 ug/L

RT: 13.79 min Scan# 3949

Delta R.T. 0.00 min

Lab File: VV014555.D

Acq: 11 Feb 2020 15:18

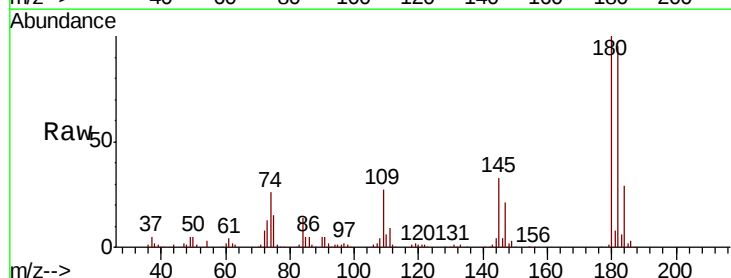
Tgt Ion:180 Resp: 153400

Ion Ratio Lower Upper

180 100

182 95.4 77.5 116.3

145 33.6 27.8 41.6



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

