

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091919\
 Data File : VX012533.D
 Acq On : 19 Sep 2019 17:07
 Operator : JC/SP
 Sample : K4883-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP-20190911

Quant Time: Sep 20 04:34:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091719W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 17 15:27:10 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	196866	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	311298	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	271253	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	122510	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	129664	45.96	ug/l	0.00
Spiked Amount			Recovery	=	91.92%	
35) Dibromofluoromethane	5.49	113	90555	48.06	ug/l	0.00
Spiked Amount			Recovery	=	96.12%	
50) Toluene-d8	8.72	98	358257	51.37	ug/l	0.00
Spiked Amount			Recovery	=	102.74%	
62) 4-Bromofluorobenzene	11.14	95	139080	48.03	ug/l	0.00
Spiked Amount			Recovery	=	96.06%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.33	85	30	0.414	ug/l #	43
3) Chloromethane	1.32	50	760	0.702	ug/l	96
4) Vinyl Chloride	1.40	62	2378264	2033.073	ug/l	96
5) Bromomethane	1.65	94	302	0.657	ug/l #	75
9) 1,1,2-Trichlorotrifluoroet	2.37	101	818	0.527	ug/l #	38
10) Methyl Iodide	2.50	142	410	4.723	ug/l #	87
11) Tert butyl alcohol	3.03	59	2152	Below Cal	#	90
12) 1,1-Dichloroethene	2.37	96	297944	240.722	ug/l	96
13) Acrolein	2.27	56	105	Below Cal	#	1
15) Acrylonitrile	3.14	53	396	0.324	ug/l #	29
16) Acetone	2.43	43	13962	2.964	ug/l	95
17) Carbon Disulfide	2.57	76	403	2.028	ug/l #	75
20) Methylene Chloride	2.85	84	742	0.435	ug/l #	84
21) trans-1,2-Dichloroethene	3.16	96	173694	135.142	ug/l	92
27) cis-1,2-Dichloroethene	4.60	96	18537216	9654.828	ug/l	83
30) Chloroform	5.21	83	3635	0.980	ug/l #	81
31) Cyclohexane	5.57	56	25987	13.336	ug/l	94
36) 1,1-Dichloropropene	5.65	75	16176	8.550	ug/l #	54
38) Carbon Tetrachloride	5.65	117	21518	9.145	ug/l #	17
39) Methylcyclohexane	7.46	83	26262	14.279	ug/l	97
40) Benzene	6.14	78	77753	12.924	ug/l	96
44) Trichloroethene	7.22	130	9283302	5865.907	ug/l	94
45) 1,2-Dichloropropane	7.47	63	495	0.268	ug/l #	1
48) Methyl methacrylate	7.73	41	2007	0.817	ug/l #	69
49) 1,4-Dioxane	7.81	88	27	0.452	ug/l #	1
52) Toluene	8.78	92	16488	4.253	ug/l	99
55) 1,1,2-Trichloroethane	9.36	97	152791	76.501	ug/l #	1
60) Dibromochloromethane	9.36	129	15130500	7437.317	ug/l #	11
64) Tetrachloroethene	9.36	164	14935394	12015.754	ug/l	93
65) Chlorobenzene	10.14	112	994	0.222	ug/l	97
67) Ethyl Benzene	10.25	91	8686	1.129	ug/l	98
68) m/p-Xylenes	10.36	106	8734	3.121	ug/l	96
69) o-Xylene	10.70	106	5059	1.758	ug/l	93
71) Bromoform	11.12	173	201	2.988	ug/l #	29

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 Response via : Initial Calibration

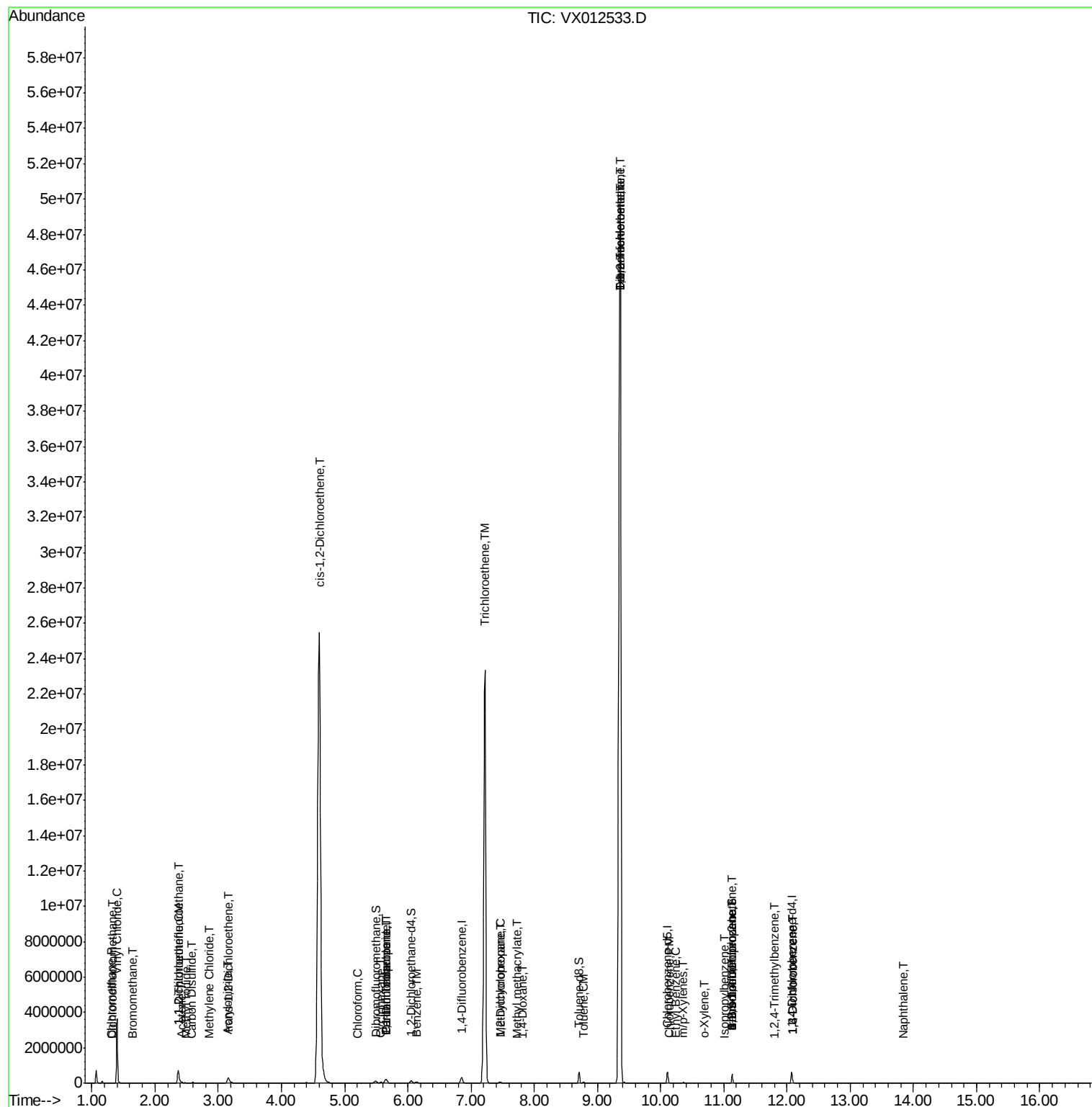
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
73) Isopropylbenzene	11.01	105	2817	0.366	uq/l	99
76) 1,2,3-Trichloropropane	11.13	75	73361	26.069	uq/l #	38
81) trans-1,4-Dichloro-2-buten	11.13	75	73361	70.233	uq/l #	8
84) 1,2,4-Trimethylbenzene	11.81	105	2636	0.392	uq/l	76
87) 1,3-Dichlorobenzene	12.09	146	19349	5.487	uq/l	95
88) 1,4-Dichlorobenzene	12.09	146	19349	5.342	uq/l	94
95) Naphthalene	13.84	128	1726	0.204	uq/l #	96

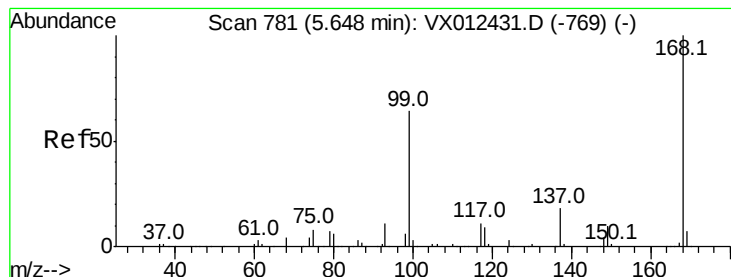
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.01 min

Lab File: VX012533.D

Acq: 19 Sep 2019 17:07

Instrument :

MSVOA_X

ClientSampleId :

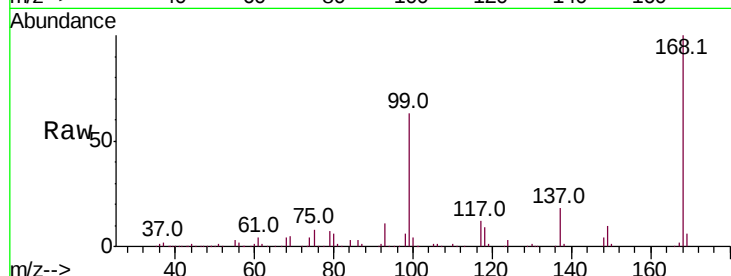
DUP-20190911

Tot Ion:168 Resp: 196866

Ion Ratio Lower Upper

168 100

99 62.5 51.4 77.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

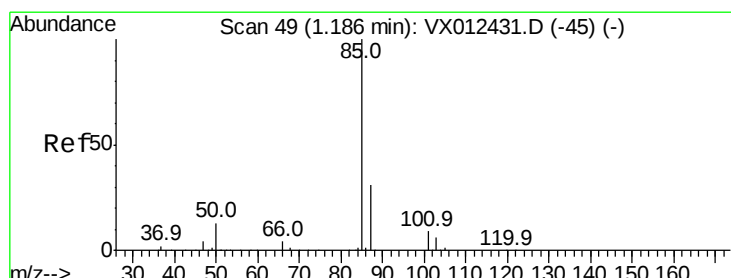
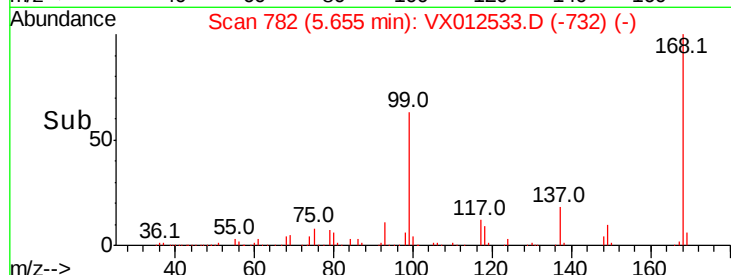
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 0.414 ug/l

RT: 1.33 min Scan# 72

Delta R.T. 0.14 min

Lab File: VX012533.D

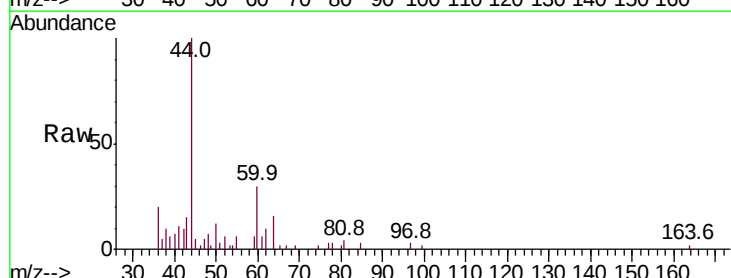
Acq: 19 Sep 2019 17:07

Tgt Ion: 85 Resp: 30

Ion Ratio Lower Upper

85 100

87 0.0 15.6 46.8#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.33

80

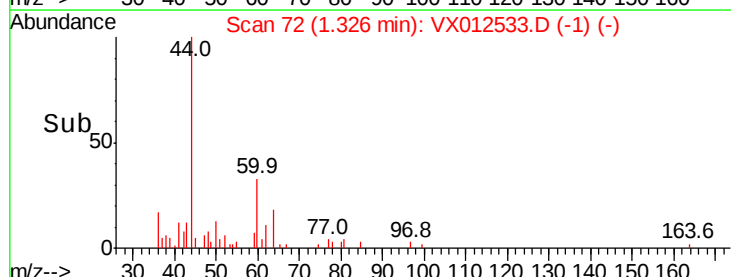
60

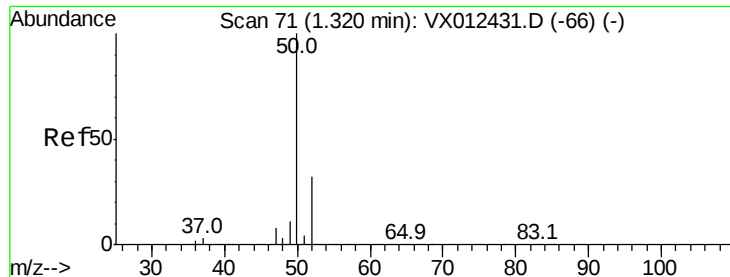
40

20

0

Time--> 1.31 1.32 1.33 1.34





#3

Chloromethane

Concen: 0.702 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VX012533.D

Acq: 19 Sep 2019 17:07

Instrument :

MSVOA_X

ClientSampleId :

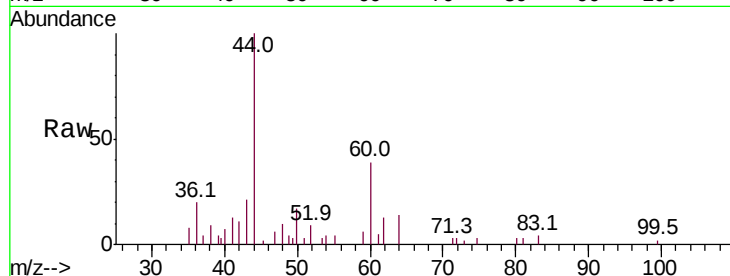
DUP-20190911

Tot Ion: 50 Resp: 760

Ion Ratio Lower Upper

50 100

52 34.5 25.7 38.5



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

400

300

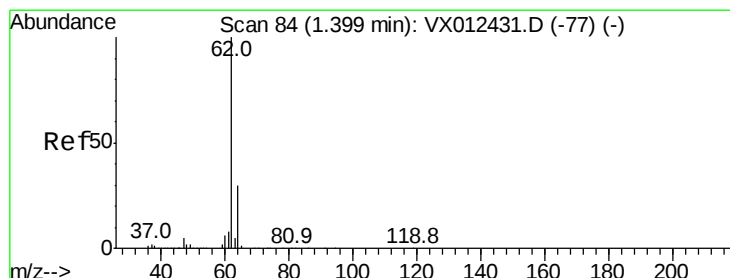
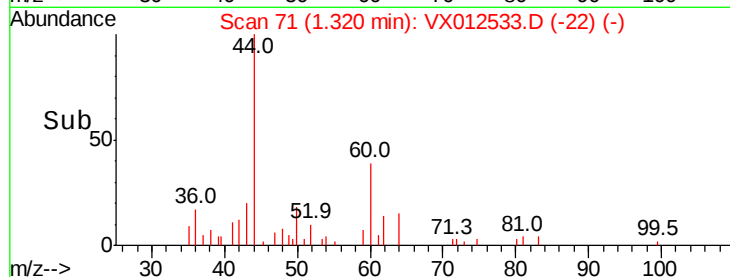
200

100

0

1.30 1.35

Time-->



#4

Vinyl Chloride

Concen: 2033.073 ug/l

RT: 1.40 min Scan# 84

Delta R.T. 0.00 min

Lab File: VX012533.D

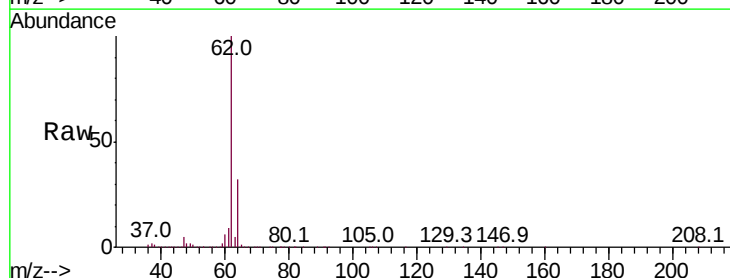
Acq: 19 Sep 2019 17:07

Tgt Ion: 62 Resp: 2378264

Ion Ratio Lower Upper

62 100

64 32.5 24.2 36.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

2500000

2000000

1500000

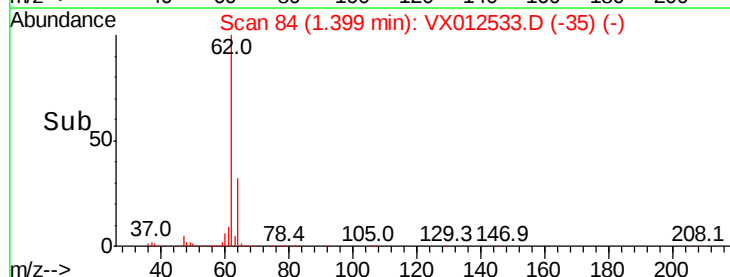
1000000

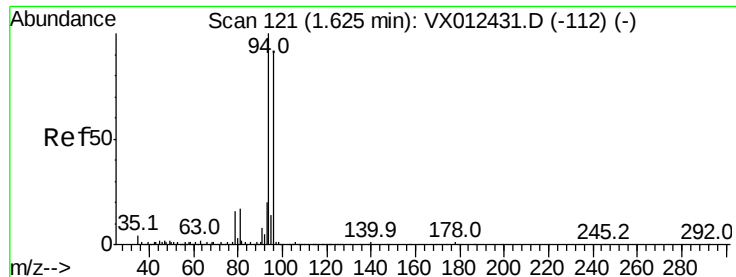
500000

0

1.30 1.40 1.50

Time-->





#5

Bromomethane

Concen: 0.657 ug/l

RT: 1.65 min Scan# 125

Delta R.T. 0.02 min

Lab File: VX012533.D

Acq: 19 Sep 2019 17:07

Instrument :

MSVOA_X

ClientSampled :

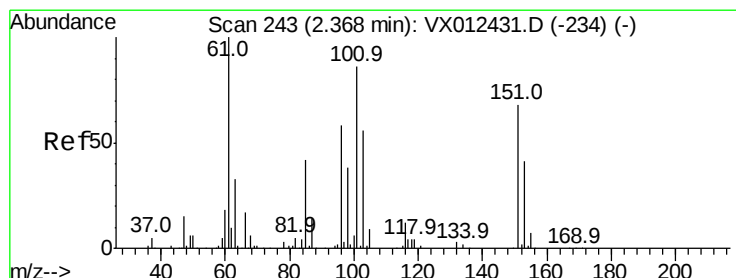
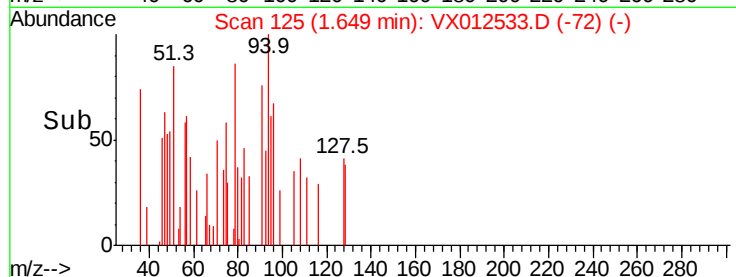
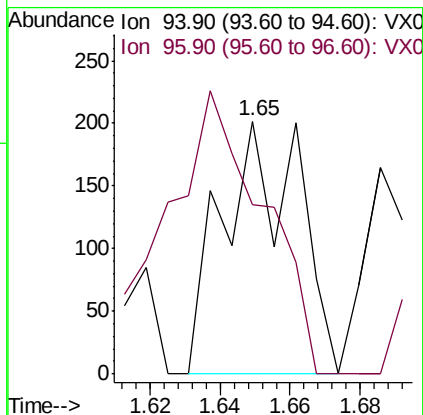
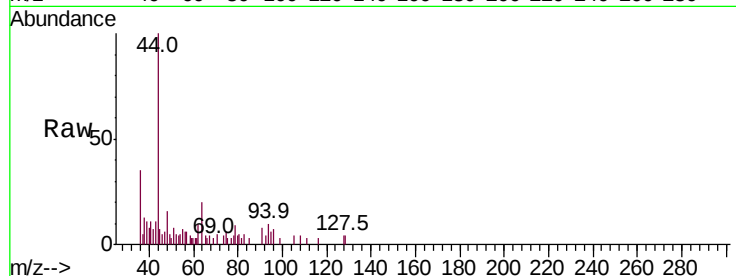
DUP-20190911

Tot Ion: 94 Resp: 302

Ion Ratio Lower Upper

94 100

96 66.8 72.8 109.2#



#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.527 ug/l

RT: 2.37 min Scan# 243

Delta R.T. 0.00 min

Lab File: VX012533.D

Acq: 19 Sep 2019 17:07

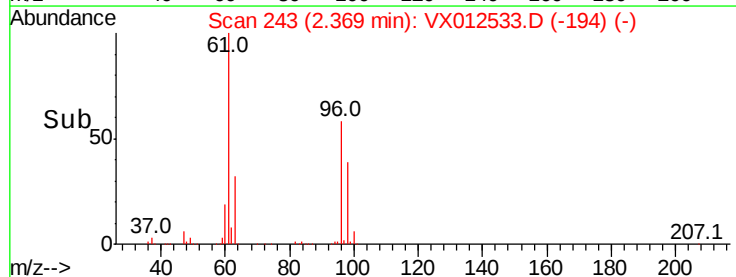
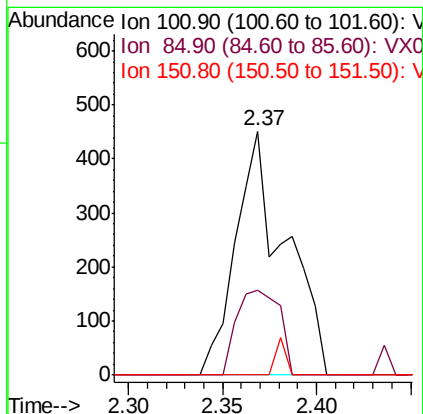
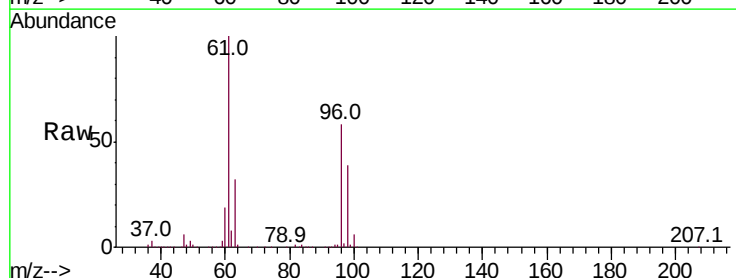
Tgt Ion: 101 Resp: 818

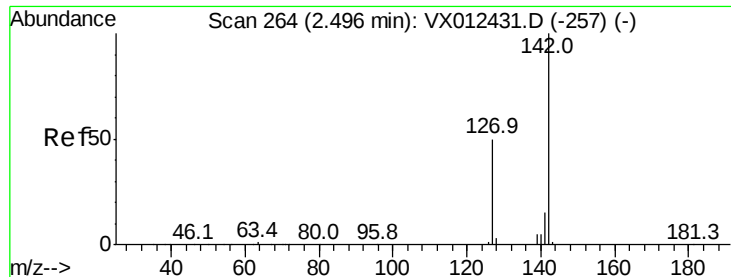
Ion Ratio Lower Upper

101 100

85 30.2 37.3 55.9#

151 3.1 61.0 91.4#

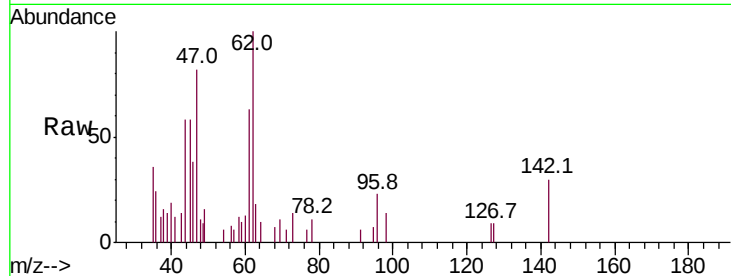




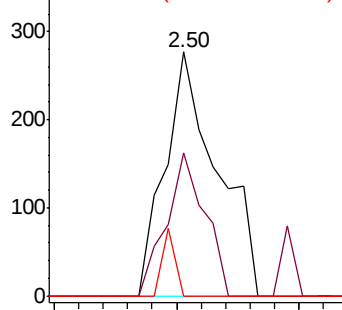
#10
Methyl Iodide
Concen: 4.723 ug/l
RT: 2.50 min Scan# 265
Delta R.T. 0.01 min
Lab File: VX012533.D
Acq: 19 Sep 2019 17:07

Instrument :
MSVOA_X
ClientSampled :
DUP-20190911

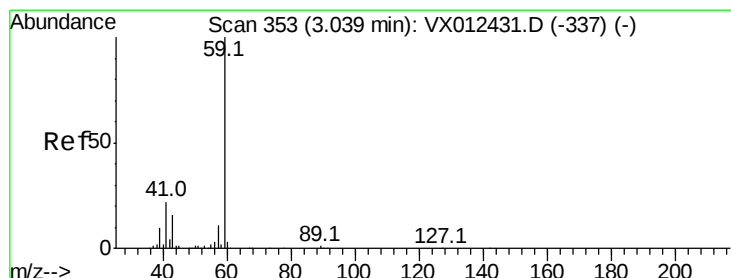
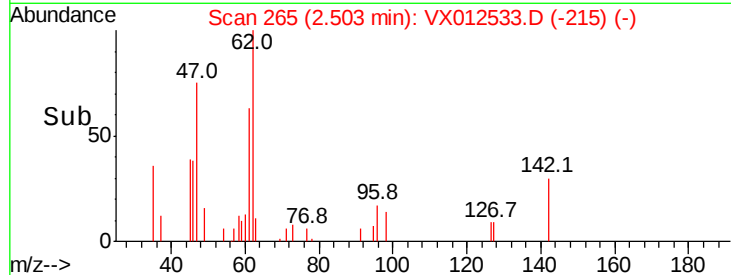
Tot Ion:142 Resp: 410
Ion Ratio Lower Upper
142 100
127 43.2 40.8 61.2
141 6.8 12.1 18.1#



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

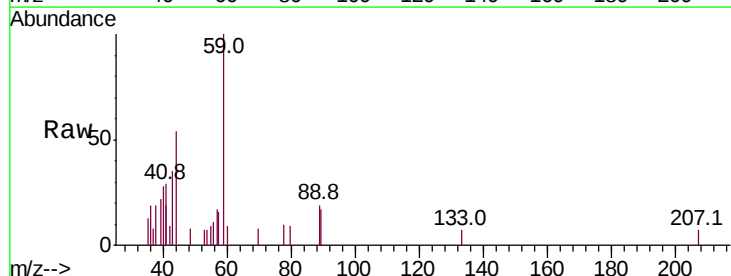


Time--> 2.45 2.50 2.55

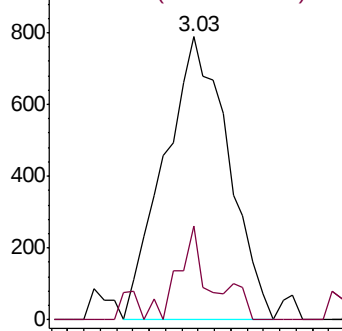


#11
Tert butyl alcohol
Concen: Below Cal
RT: 3.03 min Scan# 351
Delta R.T. -0.01 min
Lab File: VX012533.D
Acq: 19 Sep 2019 17:07

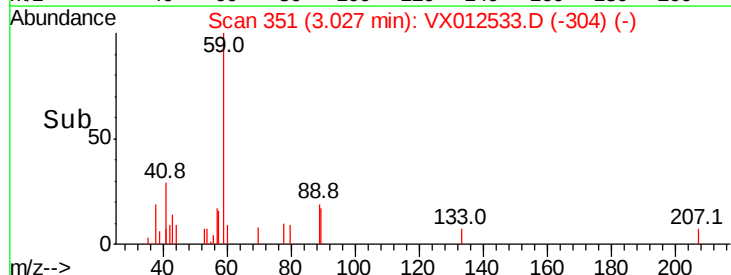
Tgt Ion: 59 Resp: 2152
Ion Ratio Lower Upper
59 100
57 14.2 8.3 12.5#

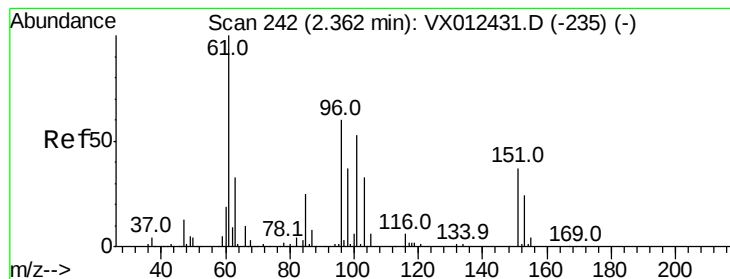


Abundance Ion 59.00 (58.70 to 59.70): VX0
Ion 57.00 (56.70 to 57.70): VX0



Time--> 2.95 3.00 3.05 3.10





#12

1,1-Dichloroethene

Concen: 240.722 ug/l

RT: 2.37 min Scan# 243

Delta R.T. 0.01 min

Lab File: VX012533.D

Acq: 19 Sep 2019 17:07

Instrument :

MSVOA_X

ClientSampleId :

DUP-20190911

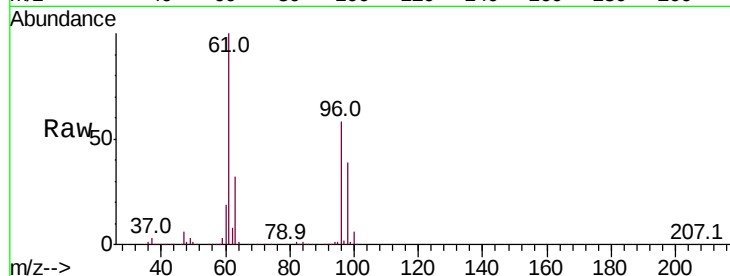
Tot Ion: 96 Resp: 297944

Ion Ratio Lower Upper

96 100

61 171.6 133.8 200.6

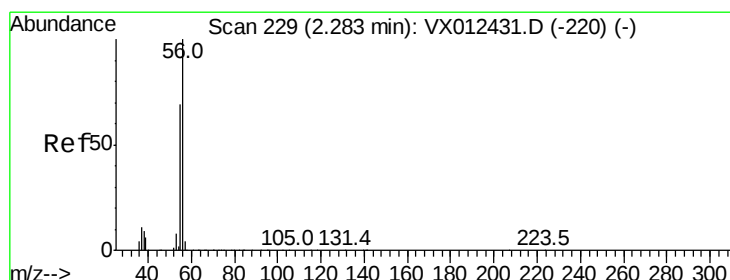
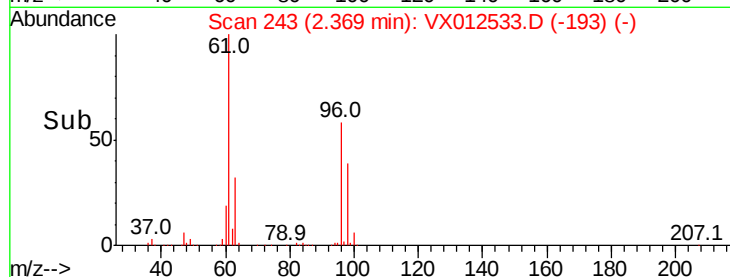
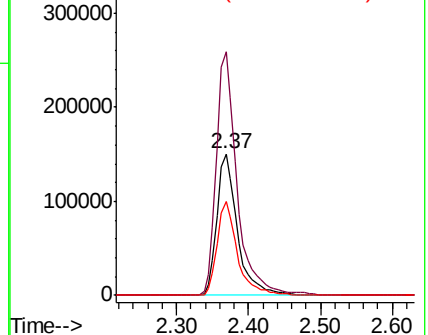
98 66.3 49.9 74.9



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#13

Acrolein

Concen: Below Cal

RT: 2.27 min Scan# 226

Delta R.T. -0.02 min

Lab File: VX012533.D

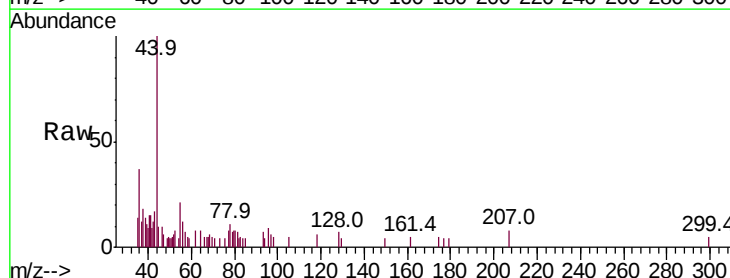
Acq: 19 Sep 2019 17:07

Tgt Ion: 56 Resp: 105

Ion Ratio Lower Upper

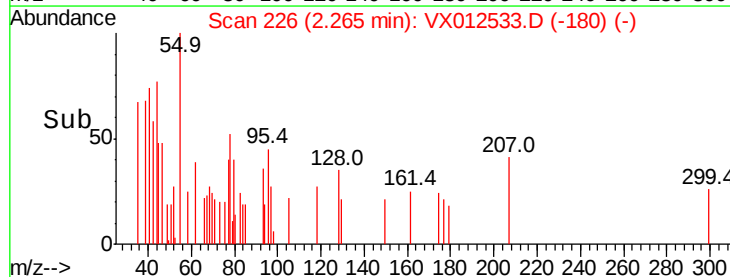
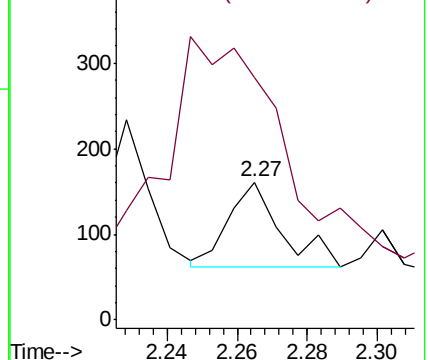
56 100

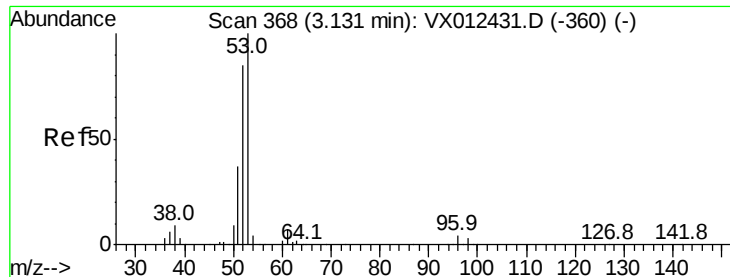
55 1006.7 55.8 83.8#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0





#15

Acrylonitrile

Concen: 0.324 ug/l

RT: 3.14 min Scan# 370

Delta R.T. 0.01 min

Lab File: VX012533.D

Acq: 19 Sep 2019 17:07

Instrument :

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ClientSampleId :

DUP-20190911

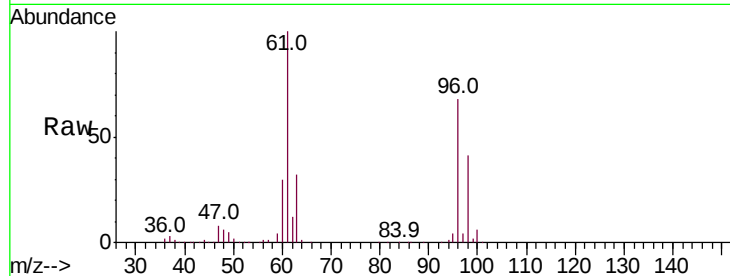
Tot Ion: 53 Resp: 396

Ion Ratio Lower Upper

53 100

52 15.9 67.0 100.4#

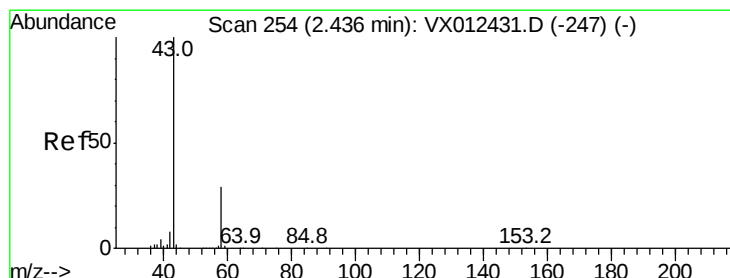
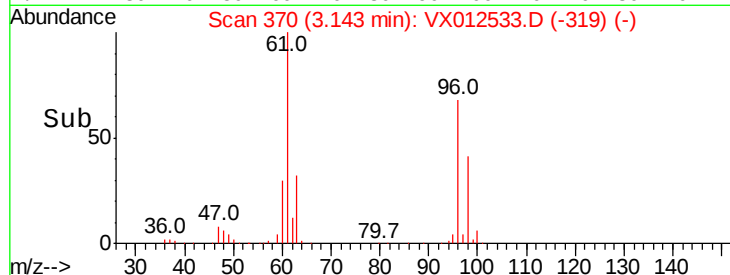
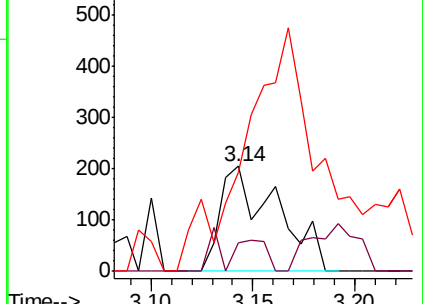
51 0.0 29.6 44.4#



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 2.964 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.01 min

Lab File: VX012533.D

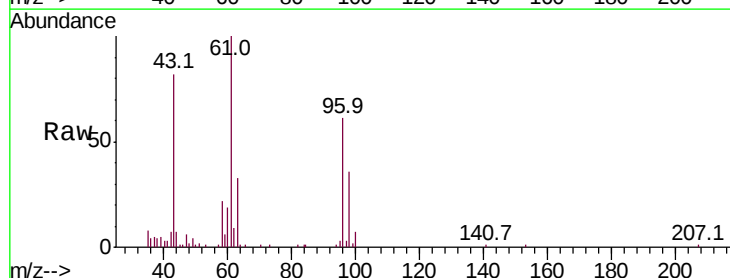
Acq: 19 Sep 2019 17:07

Tgt Ion: 43 Resp: 13962

Ion Ratio Lower Upper

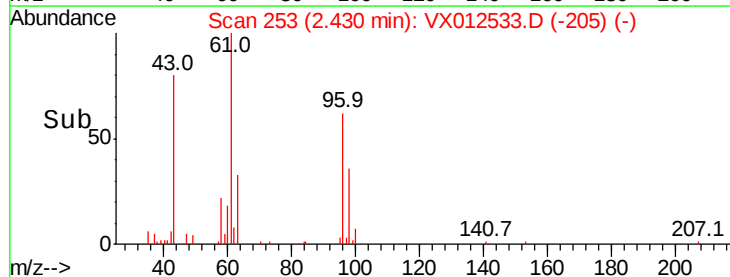
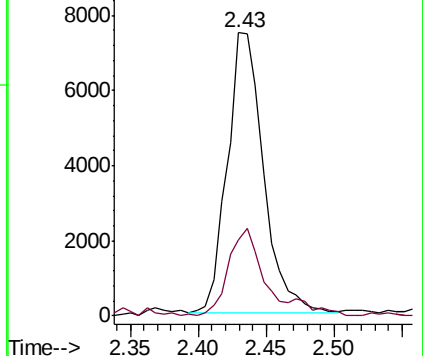
43 100

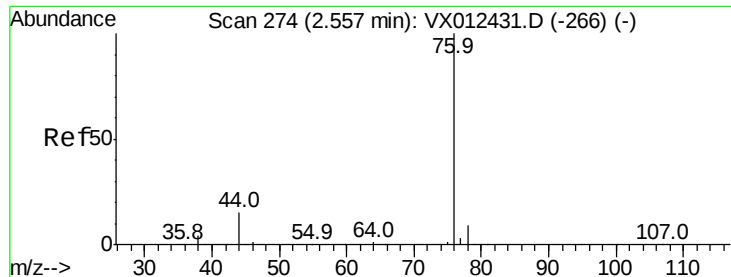
58 26.2 23.3 34.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 2.028 ug/l

RT: 2.57 min Scan# 276

Delta R.T. 0.01 min

Lab File: VX012533.D

Acq: 19 Sep 2019 17:07

Instrument :

MSVOA_X

ClientSampleId :

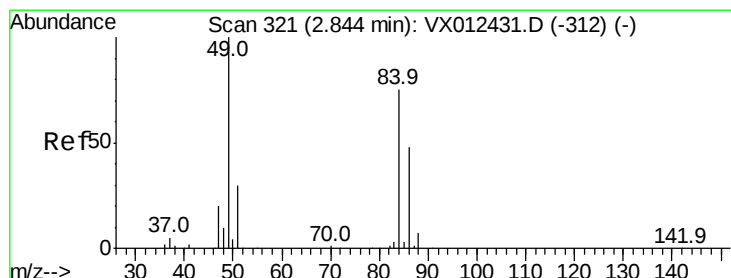
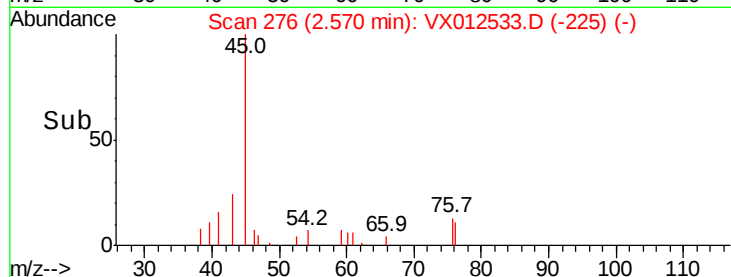
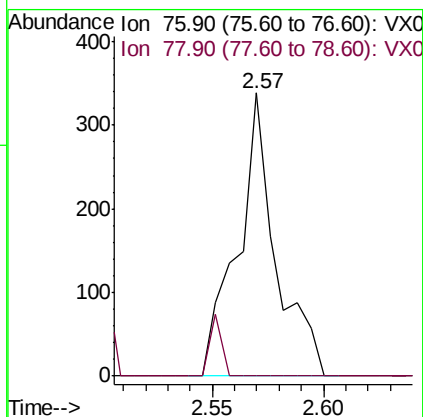
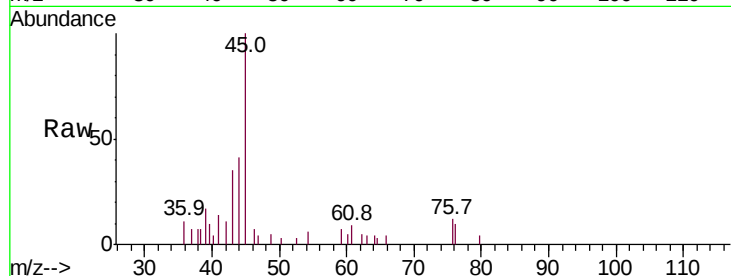
DUP-20190911

Tot Ion: 76 Resp: 403

Ion Ratio Lower Upper

76 100

78 0.0 7.3 10.9#



#20

Methylene Chloride

Concen: 0.435 ug/l

RT: 2.85 min Scan# 322

Delta R.T. 0.01 min

Lab File: VX012533.D

Acq: 19 Sep 2019 17:07

Tgt Ion: 84 Resp: 742

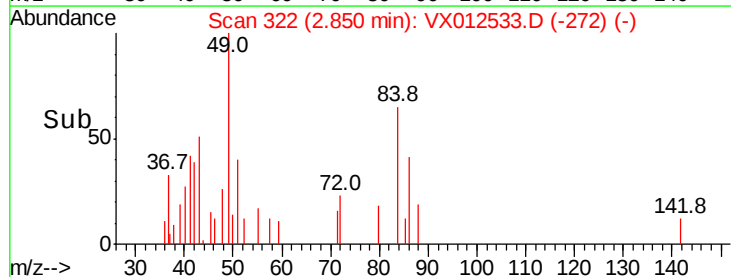
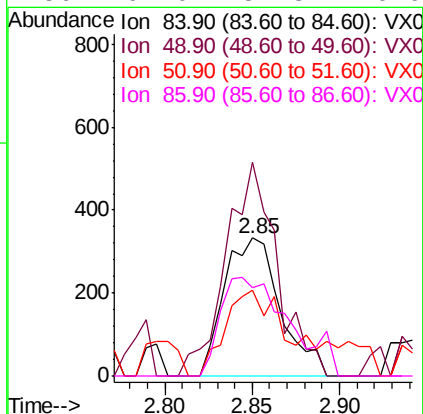
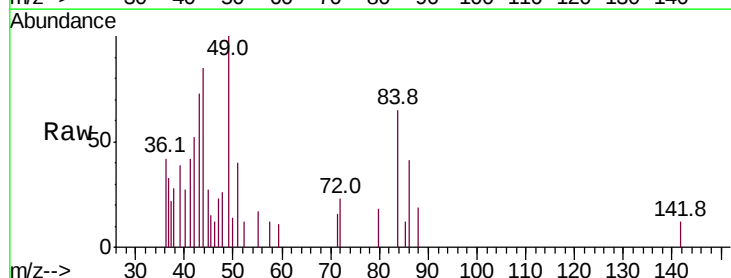
Ion Ratio Lower Upper

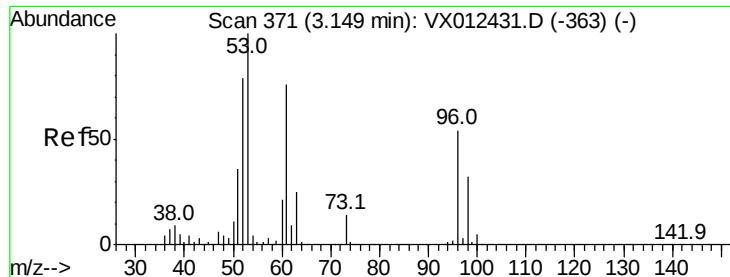
84 100

49 154.7 106.8 160.2

51 62.5 32.3 48.5#

86 64.0 51.3 76.9





#21

trans-1,2-Dichloroethene

Concen: 135.142 ug/l

RT: 3.16 min Scan# 373

Delta R.T. 0.01 min

Lab File: VX012533.D

Acq: 19 Sep 2019 17:07

Instrument :

MSVOA_X

ClientSampleId :

DUP-20190911

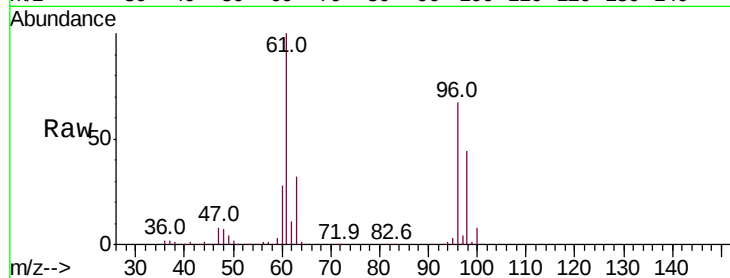
Tot Ion: 96 Resp: 173694

Ion Ratio Lower Upper

96 100

61 149.9 112.0 168.0

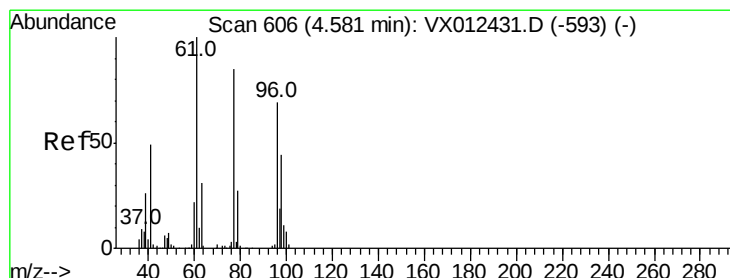
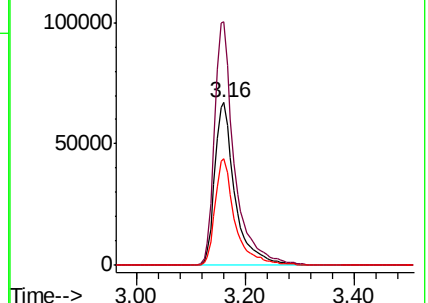
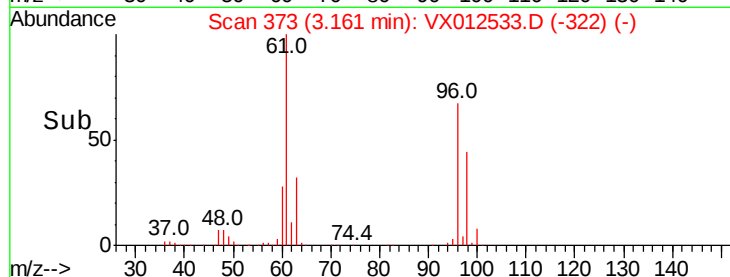
98 65.7 47.8 71.8



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#27

cis-1,2-Dichloroethene

Concen: 9654.828 ug/l

RT: 4.60 min Scan# 609

Delta R.T. 0.02 min

Lab File: VX012533.D

Acq: 19 Sep 2019 17:07

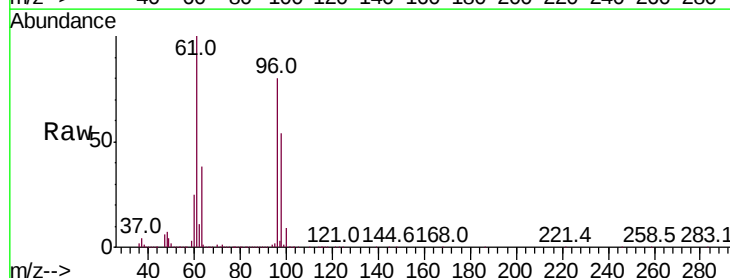
Tgt Ion: 96 Resp:18537216

Ion Ratio Lower Upper

96 100

61 129.3 0.0 319.4

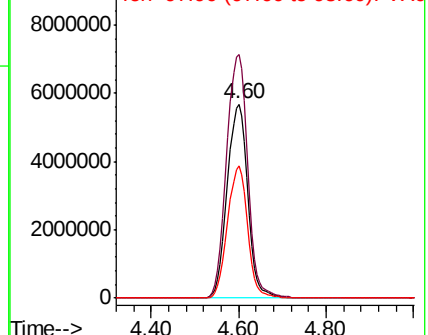
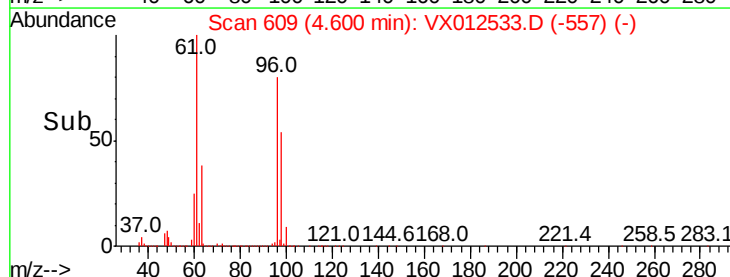
98 66.6 0.0 130.6

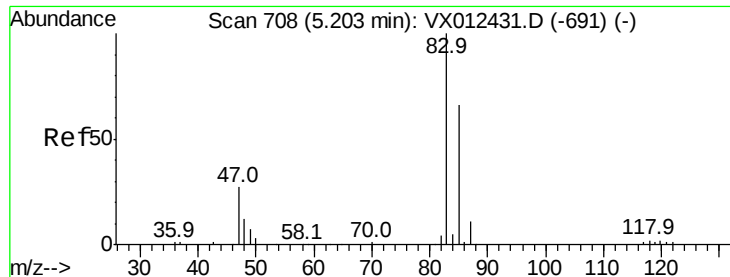


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

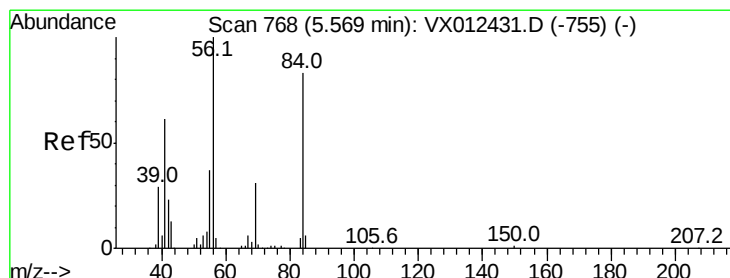
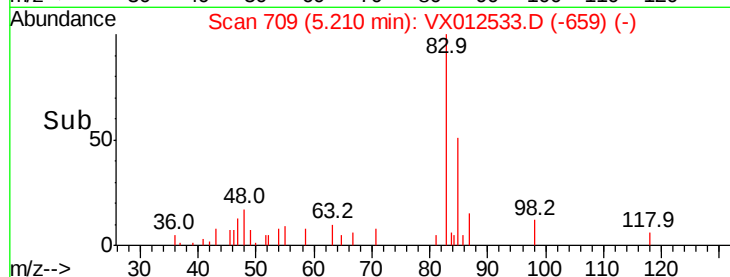
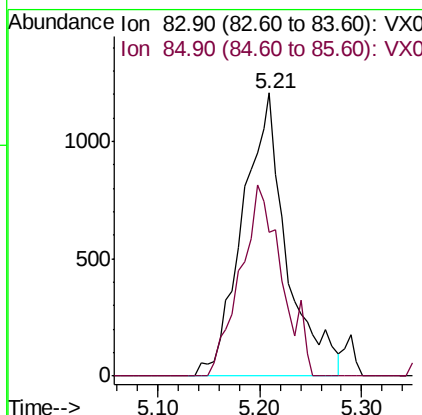
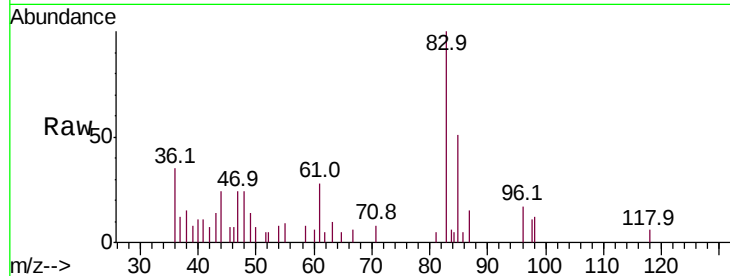




#30
Chloroform
Concen: 0.980 ug/l
RT: 5.21 min Scan# 709
Delta R.T. 0.01 min
Lab File: VX012533.D
Acq: 19 Sep 2019 17:07

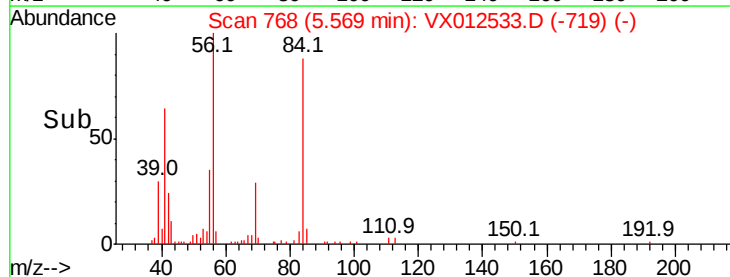
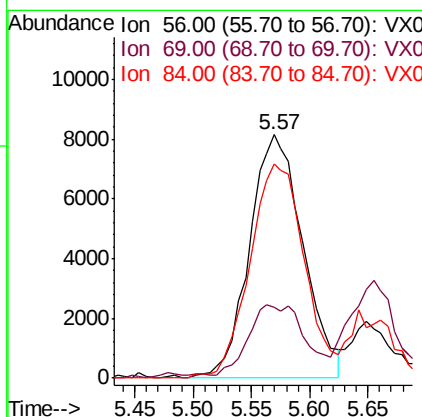
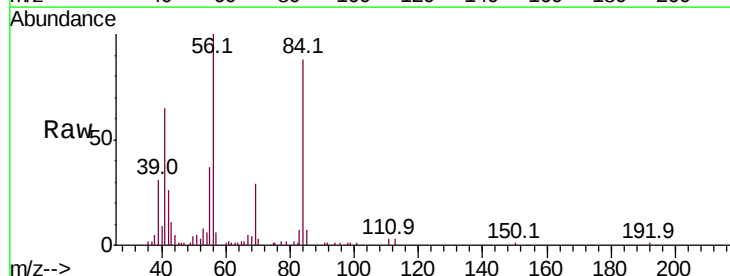
Instrument :
MSVOA_X
ClientSampled :
DUP-20190911

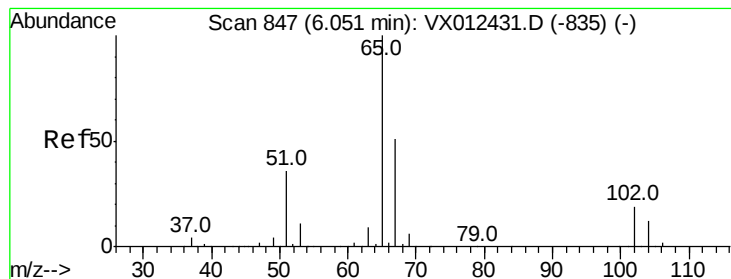
Tot Ion: 83 Resp: 3635
Ion Ratio Lower Upper
83 100
85 50.7 53.0 79.4#



#31
Cyclohexane
Concen: 13.336 ug/l
RT: 5.57 min Scan# 768
Delta R.T. 0.00 min
Lab File: VX012533.D
Acq: 19 Sep 2019 17:07

Tgt Ion: 56 Resp: 25987
Ion Ratio Lower Upper
56 100
69 27.5 25.0 37.6
84 87.9 66.4 99.6





#33

1,2-Dichloroethane-d4

Concen: 45.956 ug/l

RT: 6.06 min Scan# 848

Delta R.T. 0.01 min

Lab File: VX012533.D

Acq: 19 Sep 2019 17:07

Instrument :

MSVOA_X

ClientSampleId :

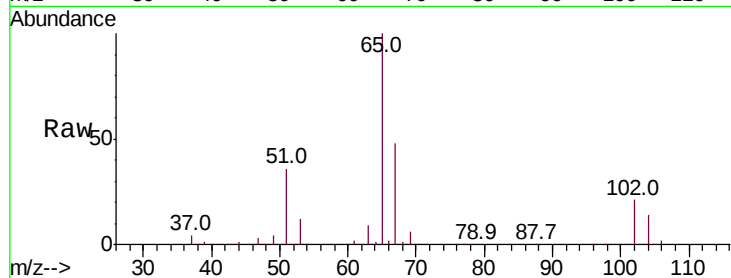
DUP-20190911

Tot Ion: 65 Resp: 129664

Ion Ratio Lower Upper

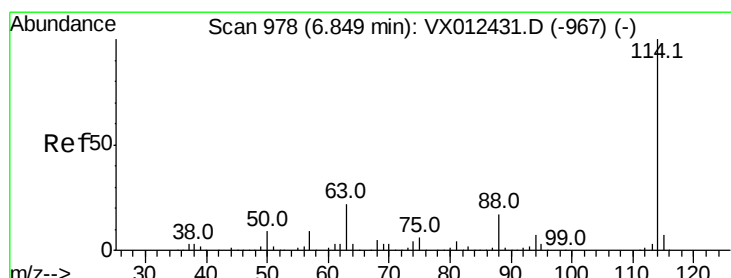
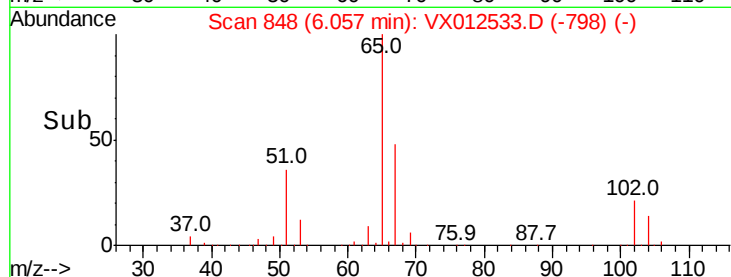
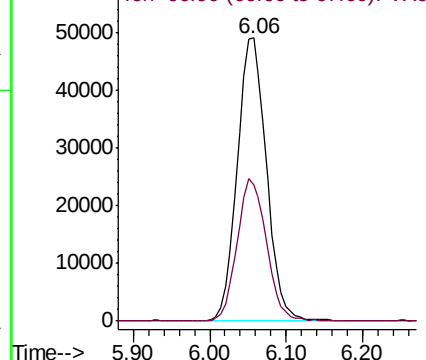
65 100

67 50.7 0.0 101.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX012533.D

Acq: 19 Sep 2019 17:07

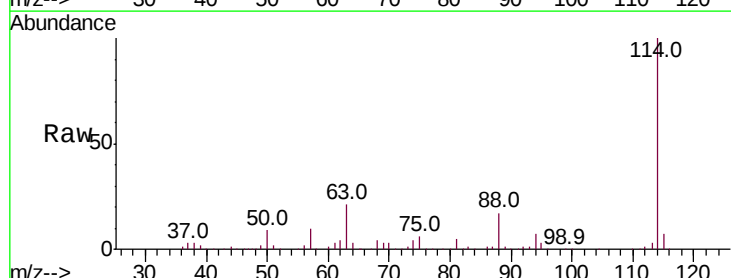
Tgt Ion:114 Resp: 311298

Ion Ratio Lower Upper

114 100

63 21.4 0.0 43.2

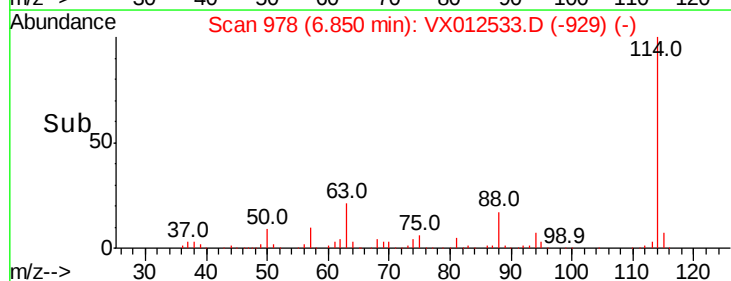
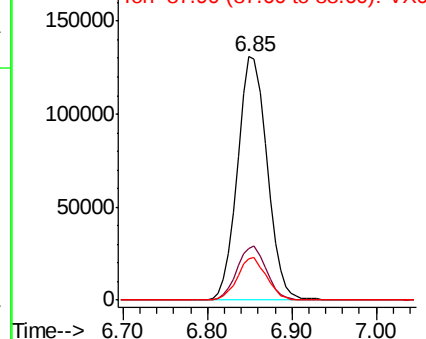
88 17.2 0.0 33.2

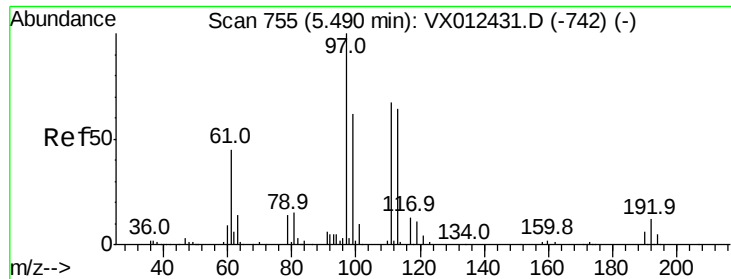


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 48.061 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX012533.D

Acq: 19 Sep 2019 17:07

Instrument :

MSVOA_X

ClientSampleId :

DUP-20190911

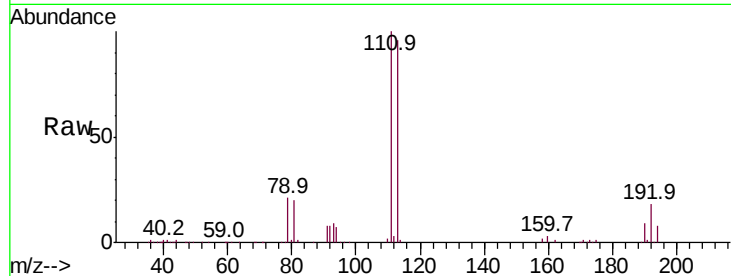
Tot Ion:113 Resp: 90555

Ion Ratio Lower Upper

113 100

111 104.3 83.4 125.2

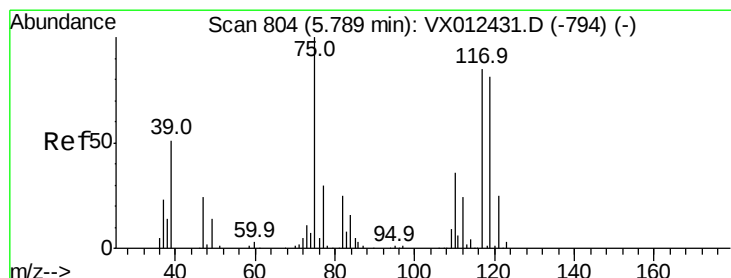
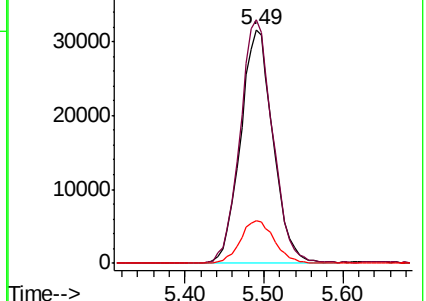
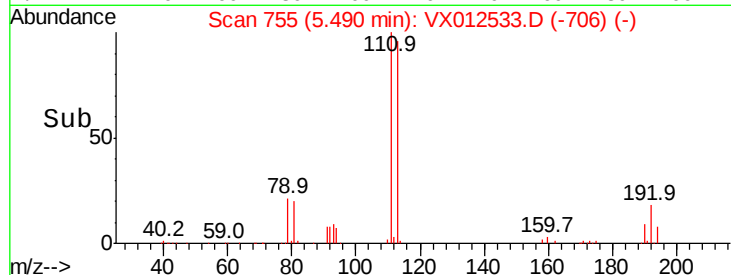
192 19.3 14.4 21.6



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 8.550 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.13 min

Lab File: VX012533.D

Acq: 19 Sep 2019 17:07

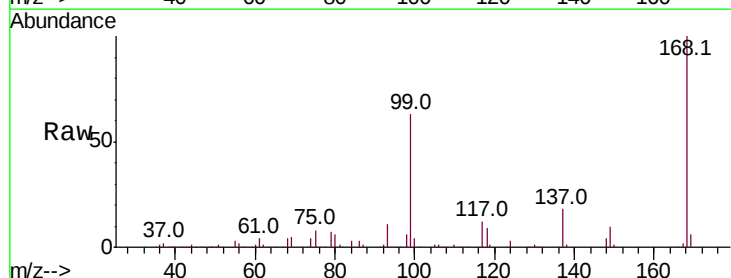
Tgt Ion: 75 Resp: 16176

Ion Ratio Lower Upper

75 100

110 11.0 16.7 50.0#

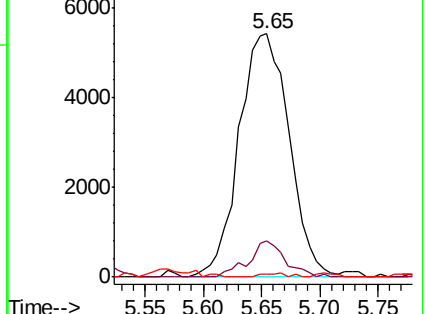
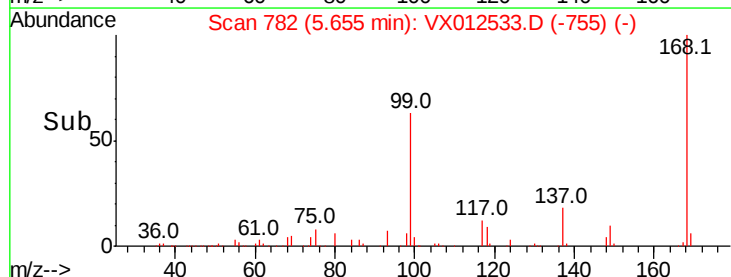
77 0.7 24.2 36.2#

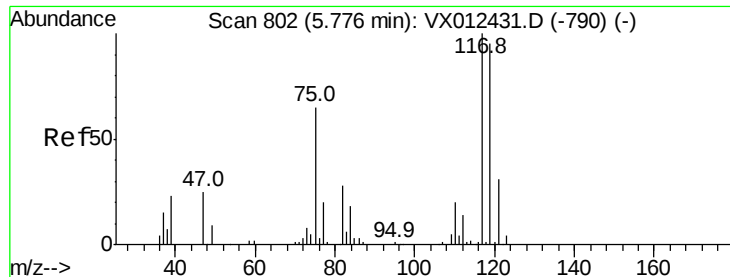


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 9.145 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.12 min

Lab File: VX012533.D

Acq: 19 Sep 2019 17:07

Instrument :

MSVOA_X

ClientSampleId :

DUP-20190911

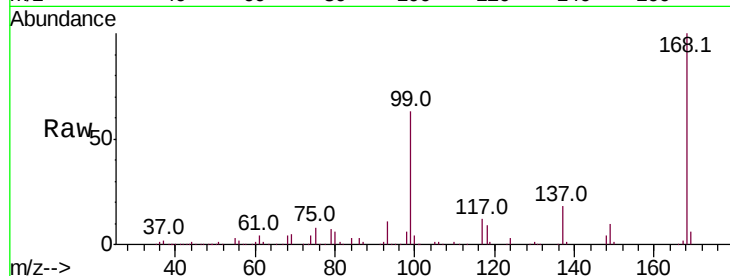
Tot Ion:117 Resp: 21518

Ion Ratio Lower Upper

117 100

119 5.2 75.7 113.5#

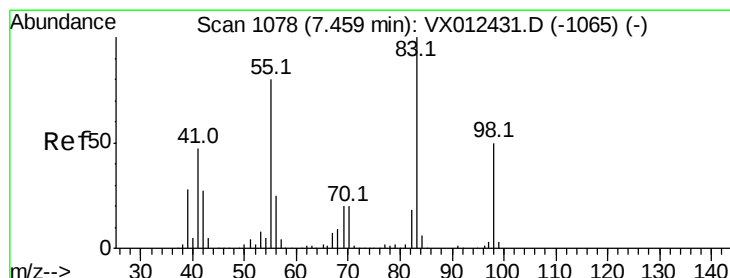
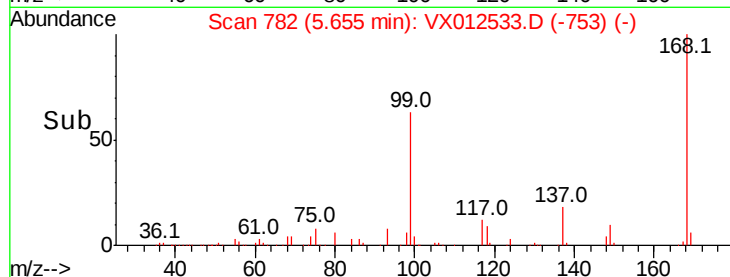
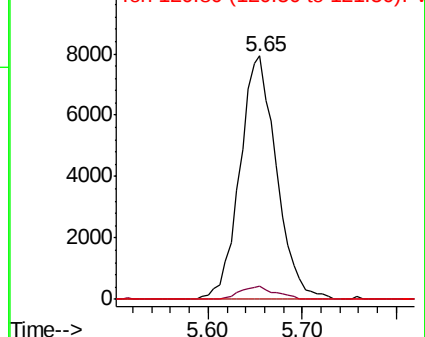
121 0.0 24.2 36.4#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#39

Methylcyclohexane

Concen: 14.279 ug/l

RT: 7.46 min Scan# 1078

Delta R.T. 0.00 min

Lab File: VX012533.D

Acq: 19 Sep 2019 17:07

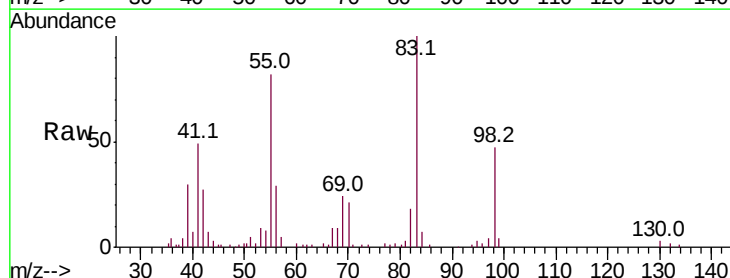
Tgt Ion: 83 Resp: 26262

Ion Ratio Lower Upper

83 100

55 81.8 64.4 96.6

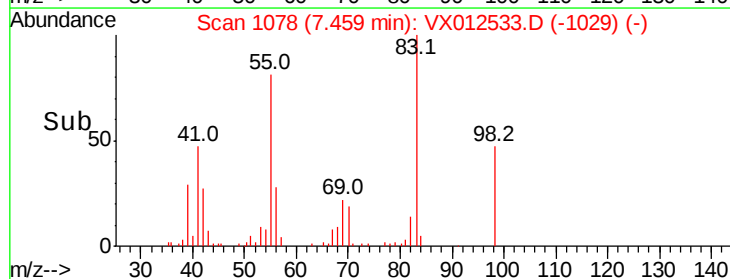
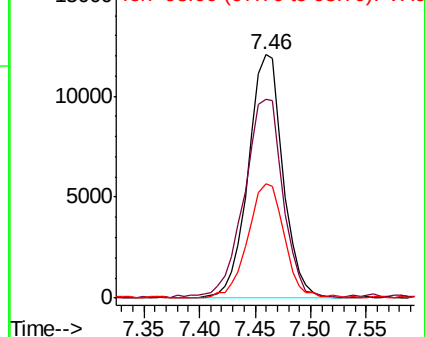
98 47.0 40.1 60.1

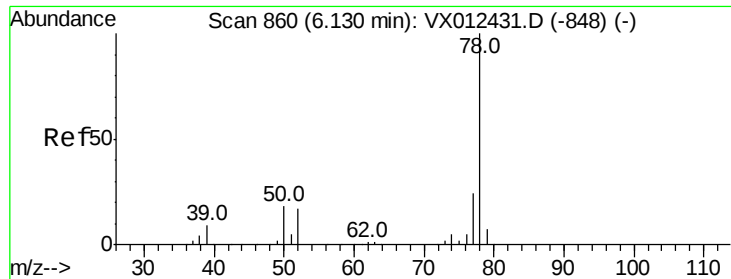


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





#40

Benzene

Concen: 12.924 ug/l

RT: 6.14 min Scan# 861

Delta R.T. 0.01 min

Lab File: VX012533.D

Acq: 19 Sep 2019 17:07

Instrument :

MSVOA_X

ClientSampleId :

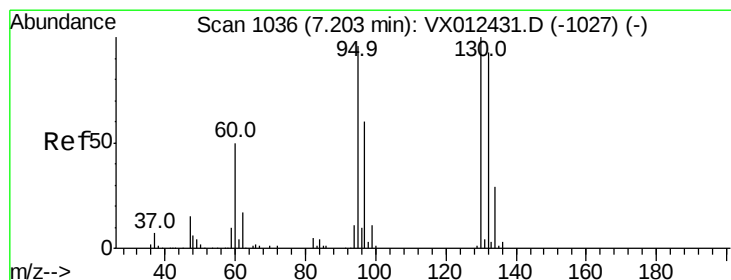
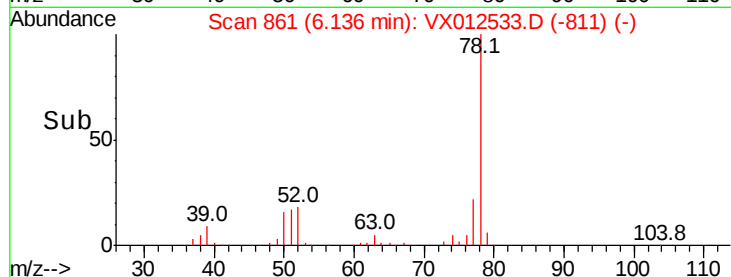
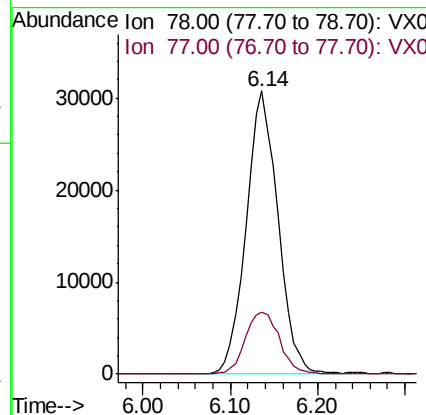
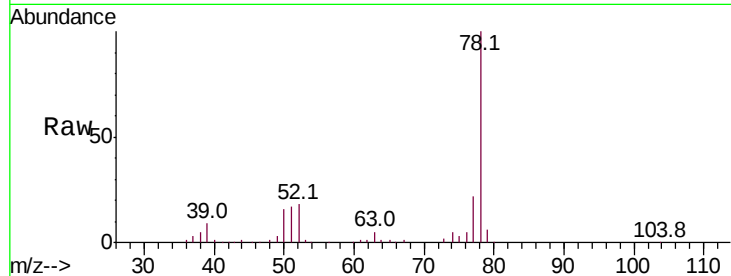
DUP-20190911

Tot Ion: 78 Resp: 77753

Ion Ratio Lower Upper

78 100

77 22.1 19.2 28.8



#44

Trichloroethene

Concen: 5865.907 ug/l

RT: 7.22 min Scan# 1039

Delta R.T. 0.02 min

Lab File: VX012533.D

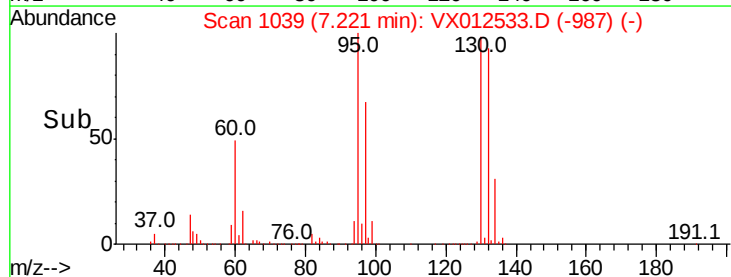
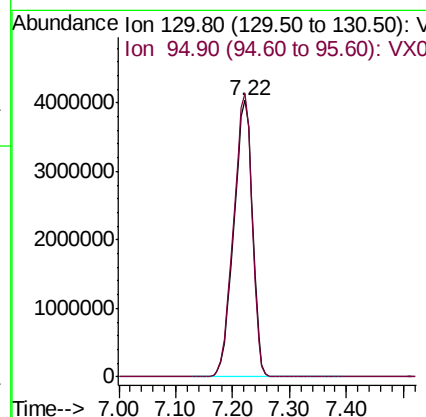
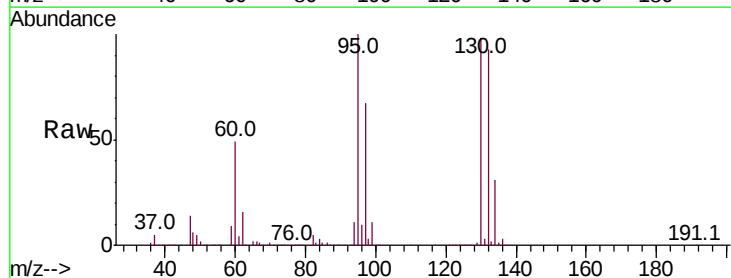
Acq: 19 Sep 2019 17:07

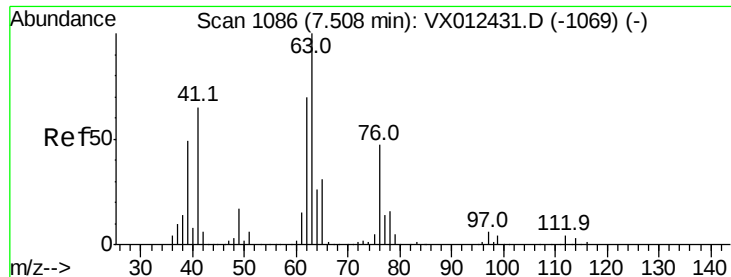
Tgt Ion:130 Resp: 9283302

Ion Ratio Lower Upper

130 100

95 102.3 0.0 193.0





#45

1,2-Dichloropropane

Concen: 0.268 ug/l

RT: 7.47 min Scan# 1079

Delta R.T. -0.04 min

Lab File: VX012533.D

Acq: 19 Sep 2019 17:07

Instrument :

MSVOA_X

ClientSampleId :

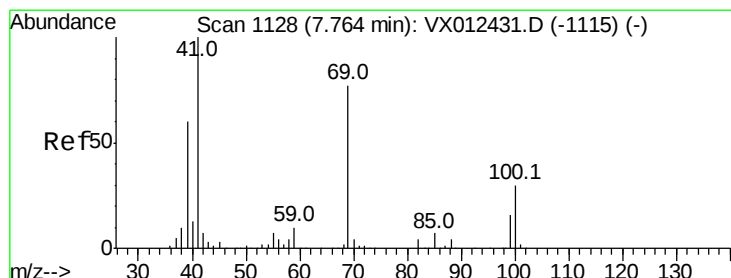
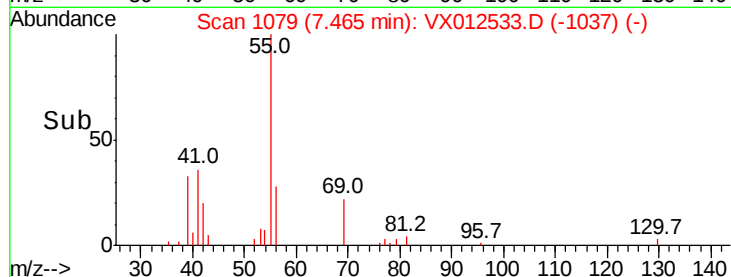
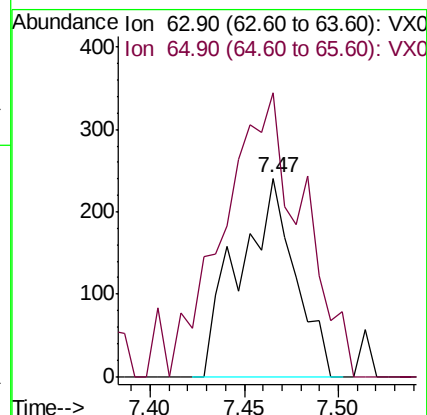
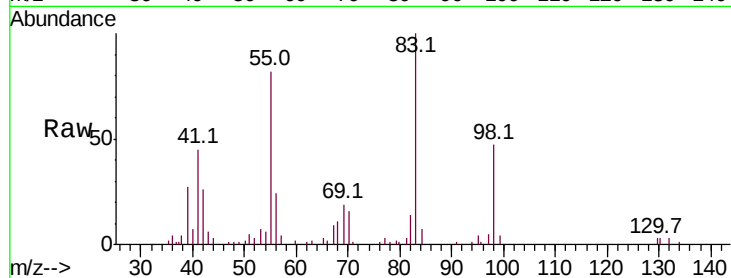
DUP-20190911

Tot Ion: 63 Resp: 495

Ion Ratio Lower Upper

63 100

65 118.3 25.0 37.6#



#48

Methyl methacrylate

Concen: 0.817 ug/l

RT: 7.73 min Scan# 1122

Delta R.T. -0.04 min

Lab File: VX012533.D

Acq: 19 Sep 2019 17:07

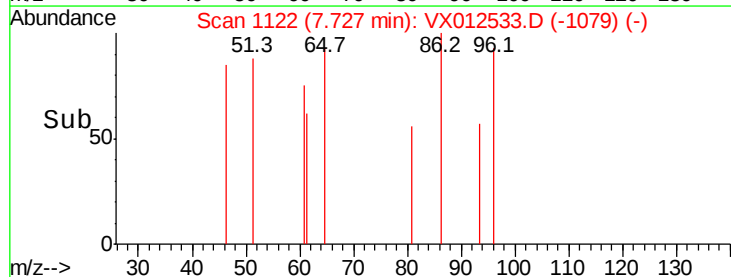
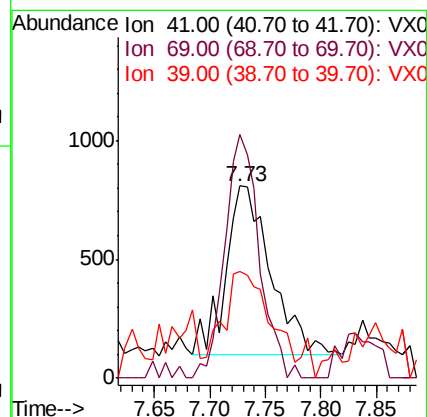
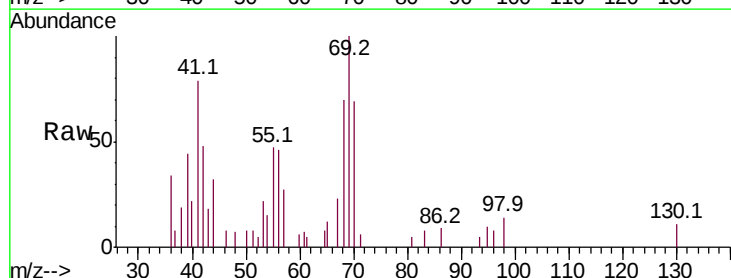
Tgt Ion: 41 Resp: 2007

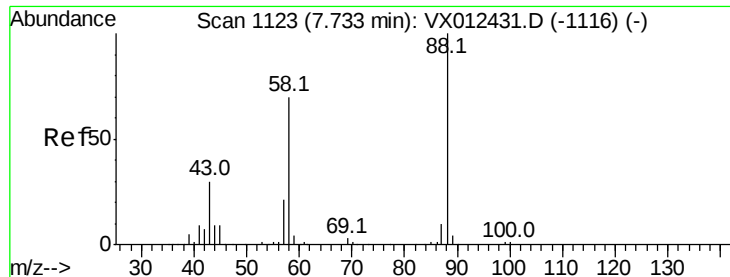
Ion Ratio Lower Upper

41 100

69 109.7 59.9 89.9#

39 45.0 47.8 71.6#

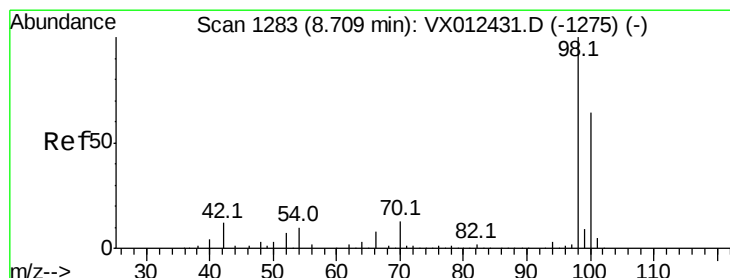
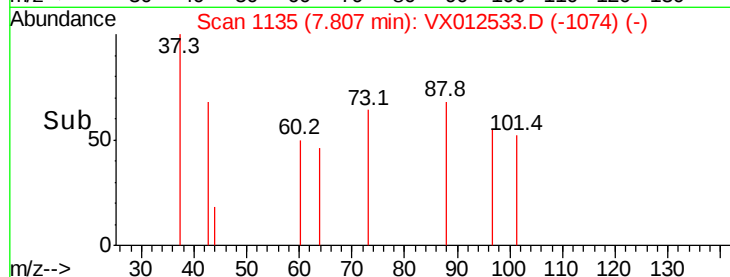
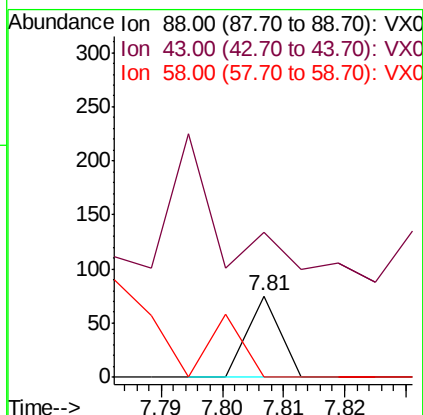
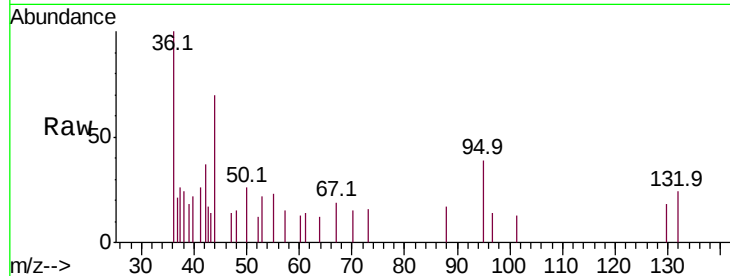




#49
1,4-Dioxane
Concen: 0.452 ug/l
RT: 7.81 min Scan# 1135
Delta R.T. 0.07 min
Lab File: VX012533.D
Acq: 19 Sep 2019 17:07

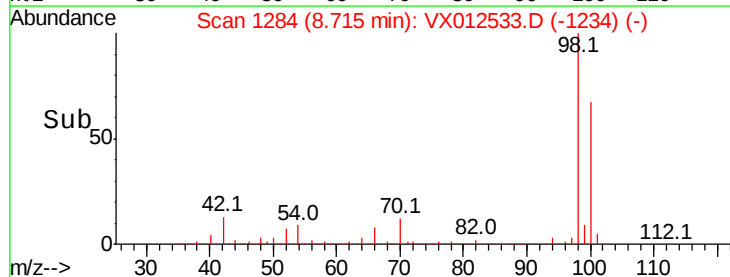
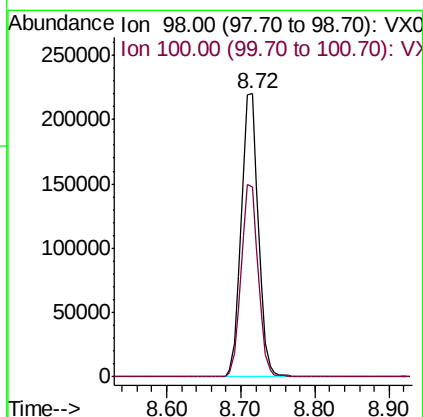
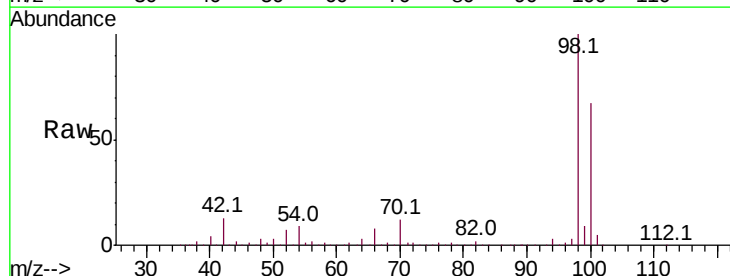
Instrument :
MSVOA_X
ClientSampled :
DUP-20190911

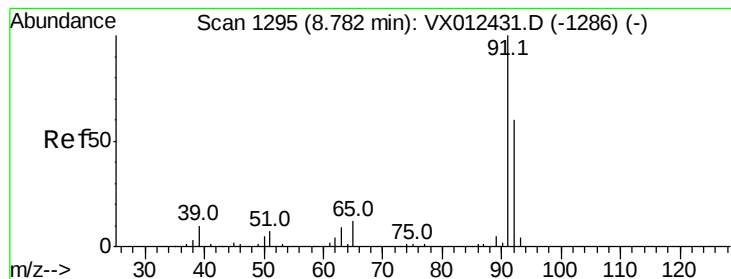
Tot Ion: 88 Resp: 27
Ion Ratio Lower Upper
88 100
43 1470.4 29.4 44.0#
58 0.0 57.5 86.3#



#50
Toluene-d8
Concen: 51.370 ug/l
RT: 8.72 min Scan# 1284
Delta R.T. 0.01 min
Lab File: VX012533.D
Acq: 19 Sep 2019 17:07

Tgt Ion: 98 Resp: 358257
Ion Ratio Lower Upper
98 100
100 67.5 53.4 80.2





#52

Toluene

Concen: 4.253 ug/l

RT: 8.78 min Scan# 1295

Delta R.T. 0.00 min

Lab File: VX012533.D

Acq: 19 Sep 2019 17:07

Instrument :

MSVOA_X

ClientSampleId :

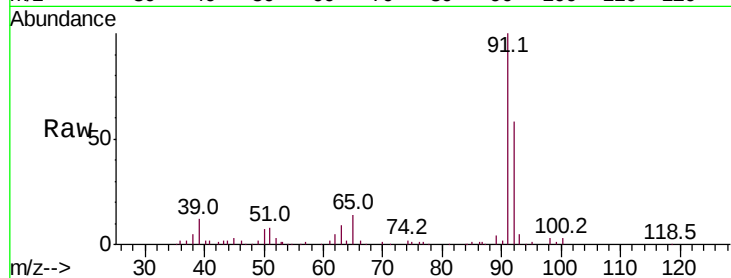
DUP-20190911

Tot Ion: 92 Resp: 16488

Ion Ratio Lower Upper

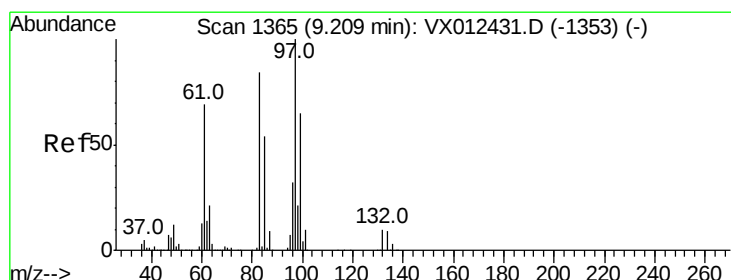
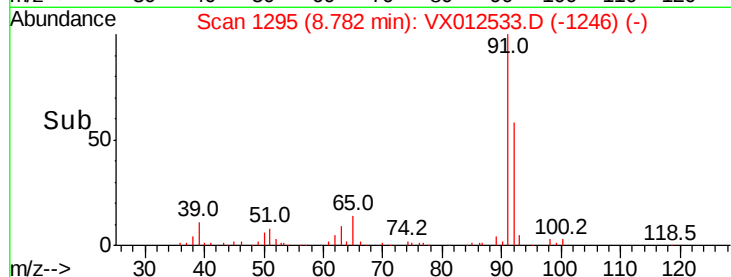
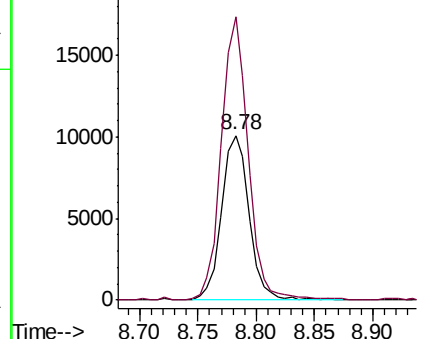
92 100

91 167.6 135.4 203.0



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0



#55

1,1,2-Trichloroethane

Concen: 76.501 ug/l

RT: 9.36 min Scan# 1389

Delta R.T. 0.15 min

Lab File: VX012533.D

Acq: 19 Sep 2019 17:07

Tgt Ion: 97 Resp: 152791

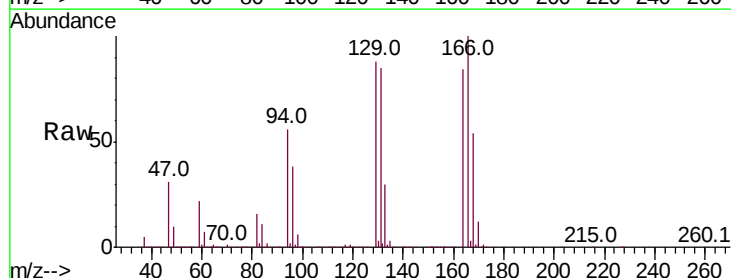
Ion Ratio Lower Upper

97 100

83 265.5 67.4 101.2#

85 36.8 43.5 65.3#

99 14.8 51.8 77.8#

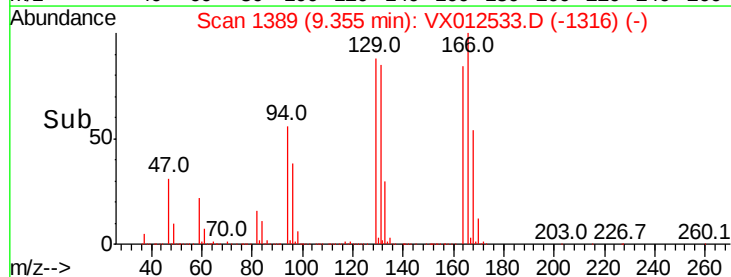
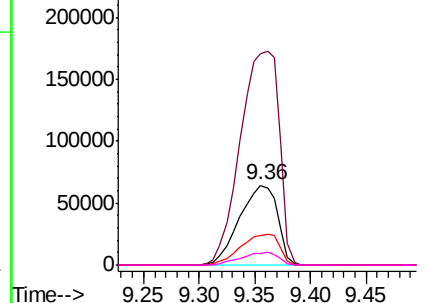


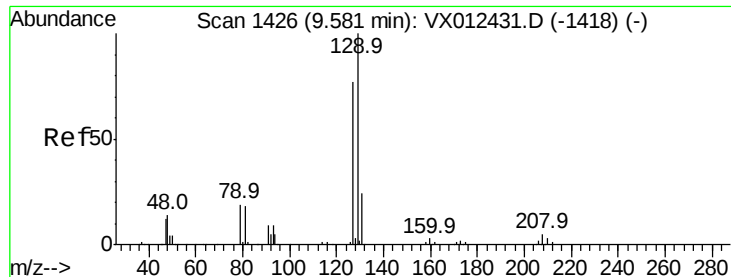
Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0





#60

Dibromochloromethane

Concen: 7437.317 ug/l

RT: 9.36 min Scan# 1390

Delta R.T. -0.22 min

Lab File: VX012533.D

Acq: 19 Sep 2019 17:07

Instrument :

MSVOA_X

ClientSampleId :

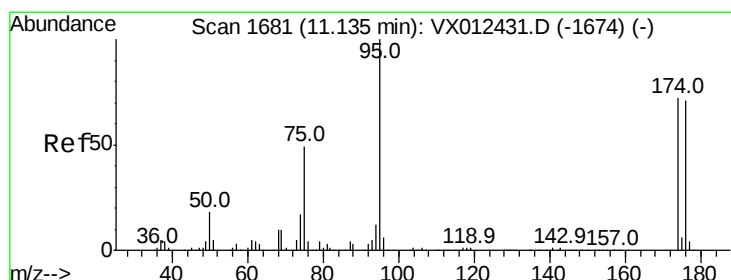
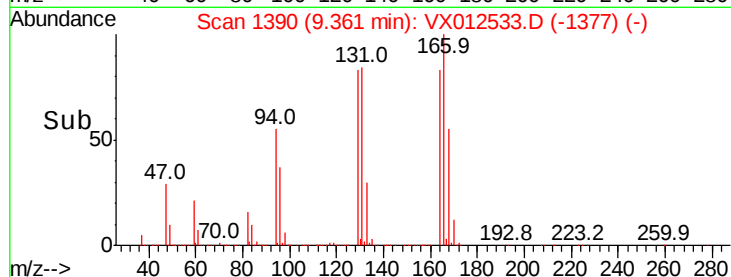
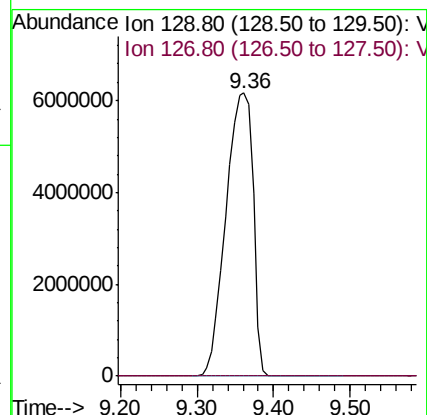
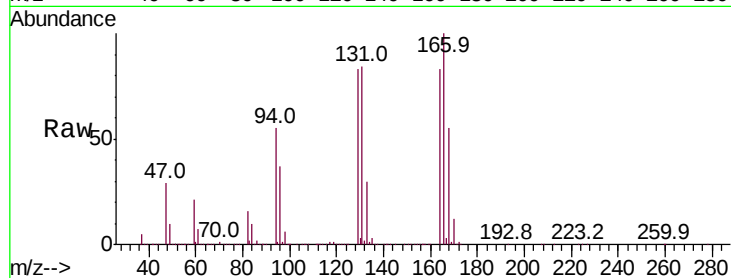
DUP-20190911

Tot Ion:129 Resp:15130500

Ion Ratio Lower Upper

129 100

127 0.0 38.9 116.6#



#62

4-Bromofluorobenzene

Concen: 48.030 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX012533.D

Acq: 19 Sep 2019 17:07

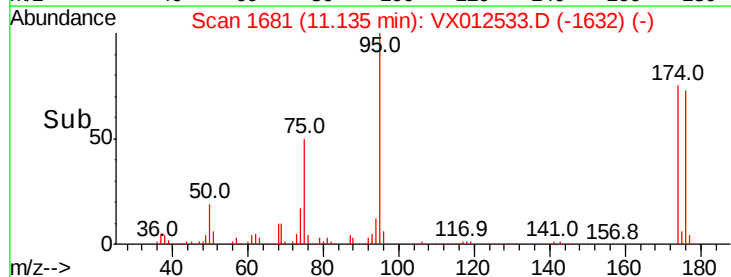
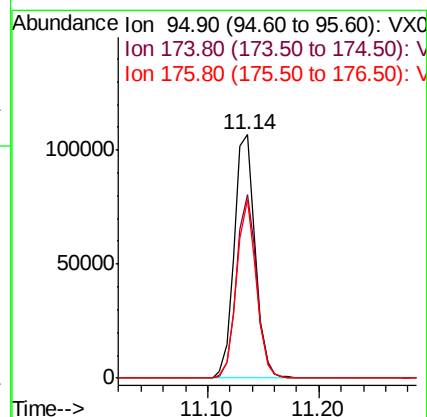
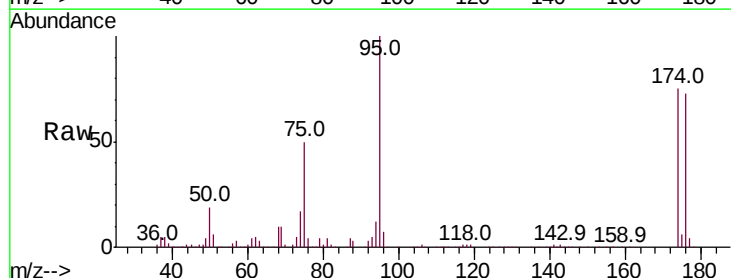
Tgt Ion: 95 Resp: 139080

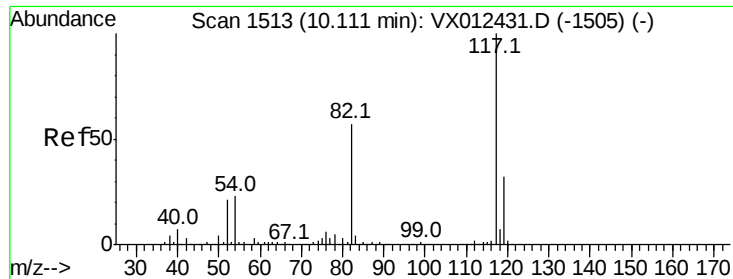
Ion Ratio Lower Upper

95 100

174 72.1 0.0 140.0

176 69.0 0.0 135.4

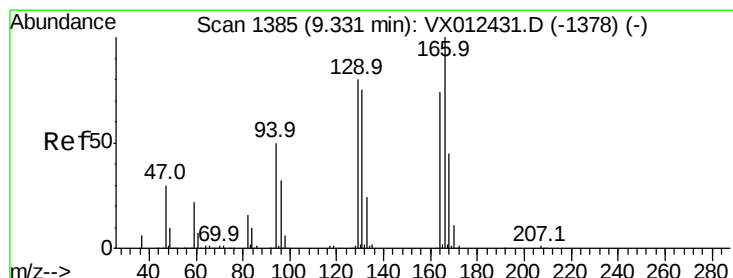
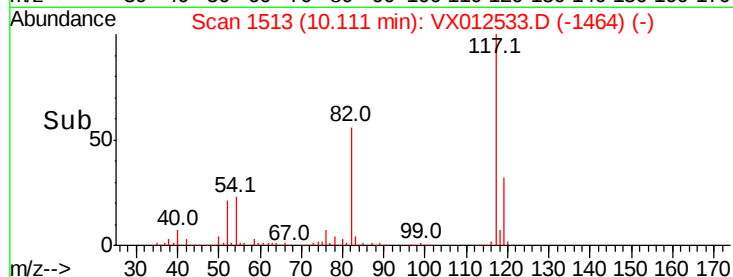
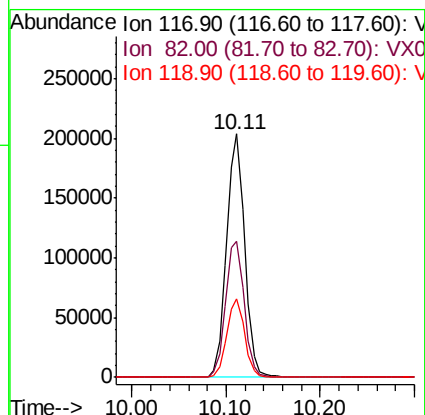
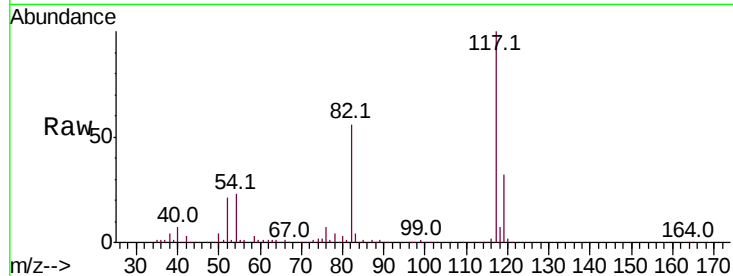




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX012533.D
Acq: 19 Sep 2019 17:07

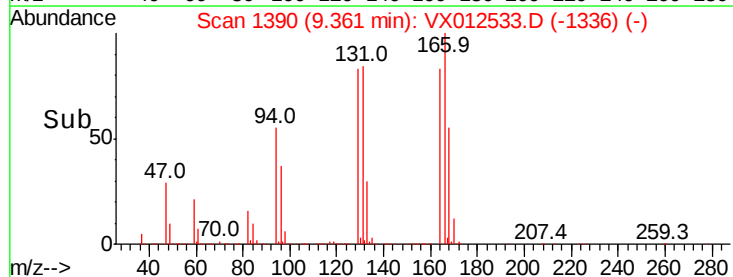
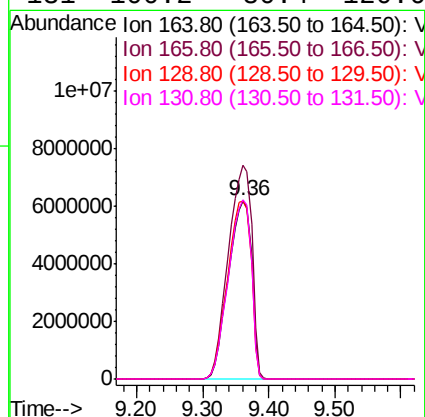
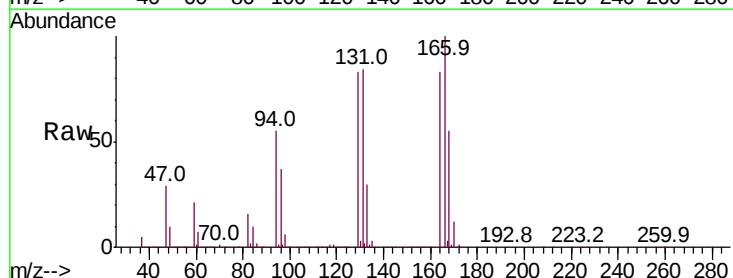
Instrument :
MSVOA_X
ClientSampleId :
DUP-20190911

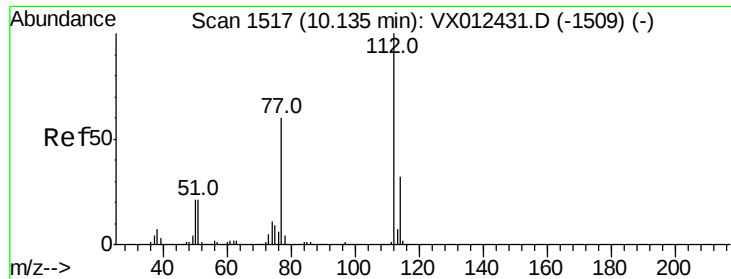
Tot Ion:117 Resp: 271253
Ion Ratio Lower Upper
117 100
82 56.1 45.9 68.9
119 32.0 25.3 37.9



#64
Tetrachloroethene
Concen: 12015.754 ug/l
RT: 9.36 min Scan# 1390
Delta R.T. 0.03 min
Lab File: VX012533.D
Acq: 19 Sep 2019 17:07

Tgt Ion:164 Resp:14935394
Ion Ratio Lower Upper
164 100
166 119.8 107.8 161.6
129 99.7 86.2 129.2
131 100.2 80.4 120.6





#65

Chlorobenzene

Concen: 0.222 ug/l

RT: 10.14 min Scan# 1517

Delta R.T. 0.00 min

Lab File: VX012533.D

Acq: 19 Sep 2019 17:07

Instrument :

MSVOA_X

ClientSampleId :

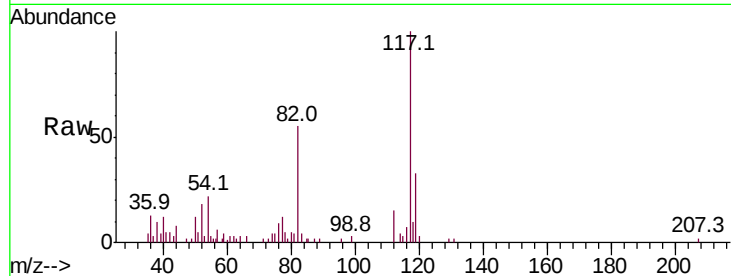
DUP-20190911

Tot Ion:112 Resp: 994

Ion Ratio Lower Upper

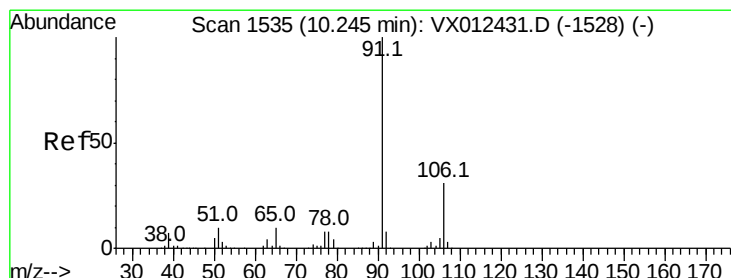
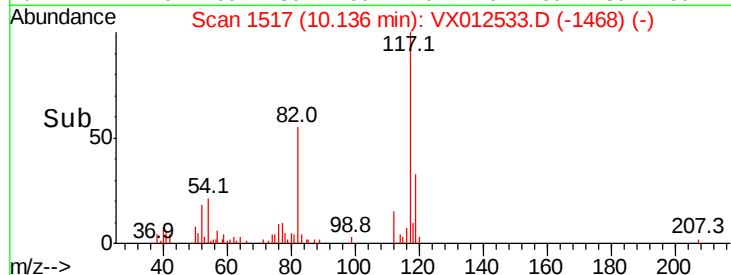
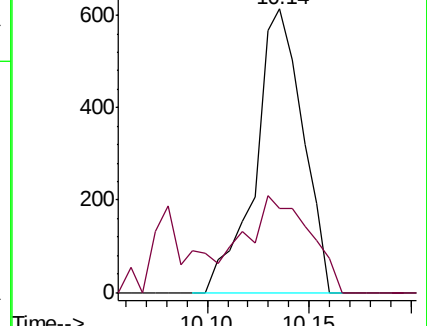
112 100

114 29.9 25.4 38.0



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#67

Ethyl Benzene

Concen: 1.129 ug/l

RT: 10.25 min Scan# 1536

Delta R.T. 0.01 min

Lab File: VX012533.D

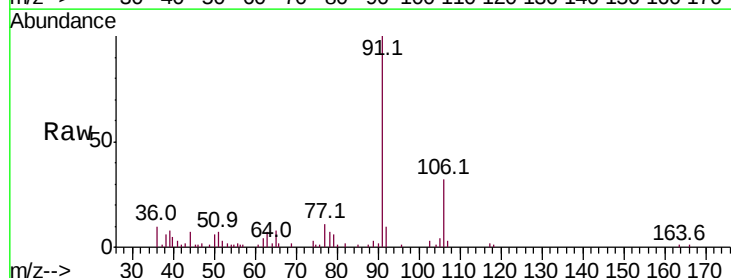
Acq: 19 Sep 2019 17:07

Tgt Ion: 91 Resp: 8686

Ion Ratio Lower Upper

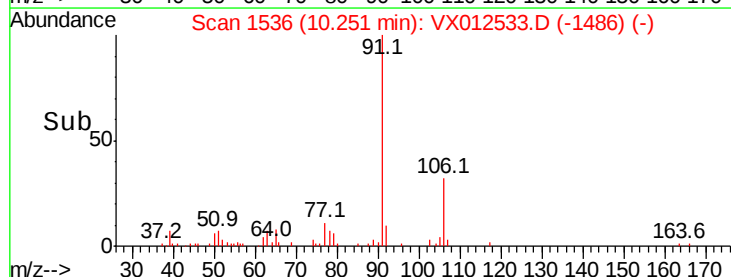
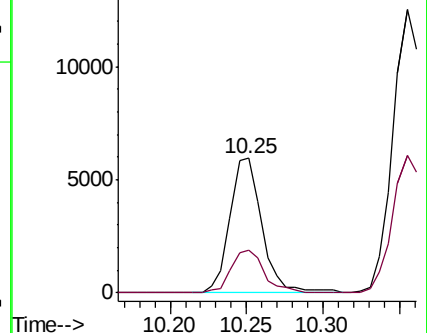
91 100

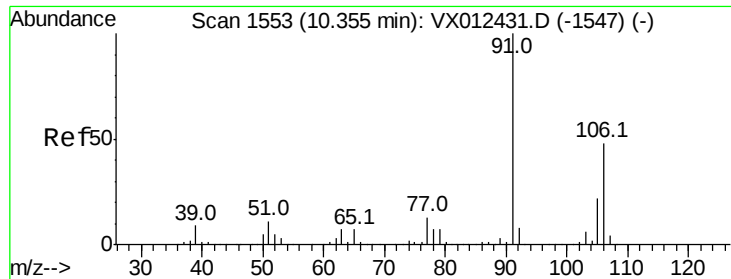
106 32.1 24.6 37.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V

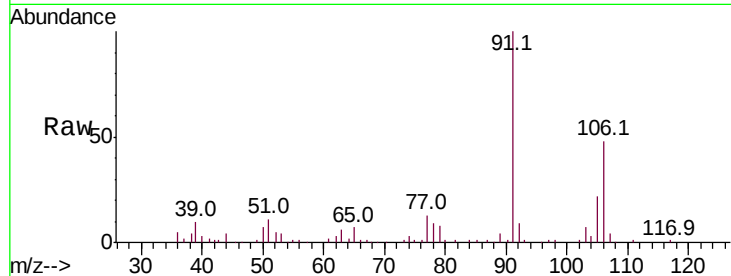




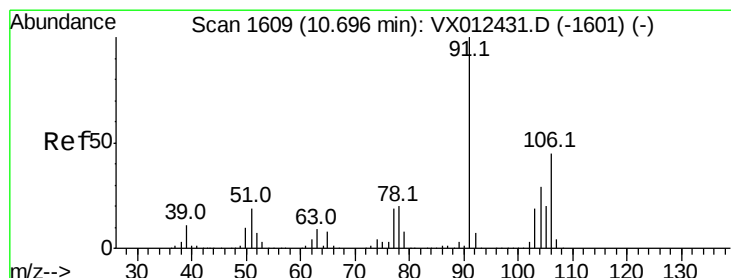
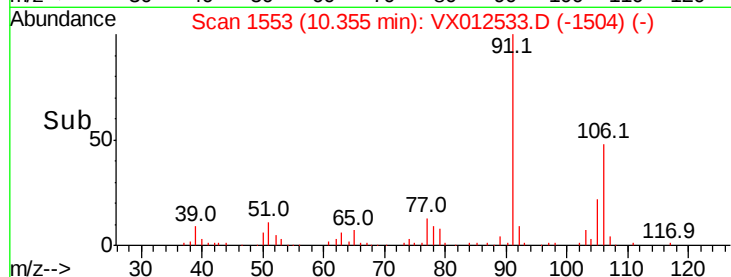
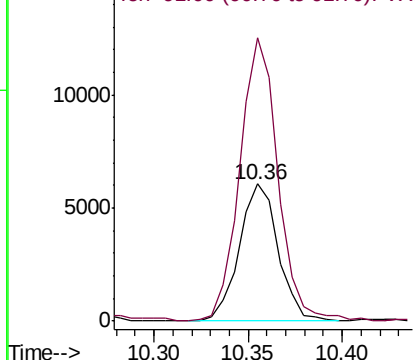
#68
m/p-Xylenes
Concen: 3.121 ug/l
RT: 10.36 min Scan# 1553
Delta R.T. 0.00 min
Lab File: VX012533.D
Acq: 19 Sep 2019 17:07

Instrument :
MSVOA_X
ClientSampleId :
DUP-20190911

Tot Ion:106 Resp: 8734
Ion Ratio Lower Upper
106 100
91 201.7 166.6 250.0

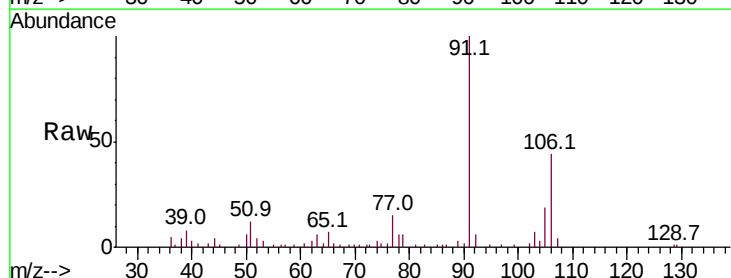


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

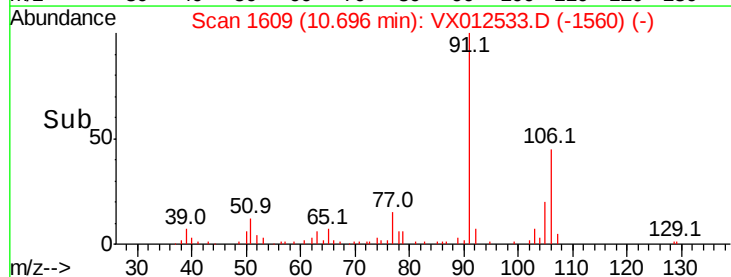
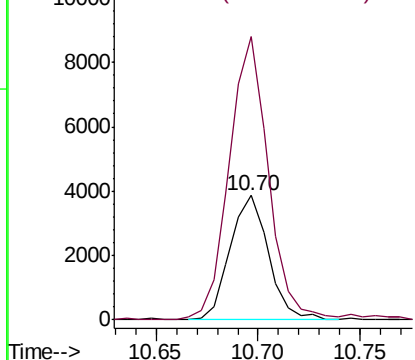


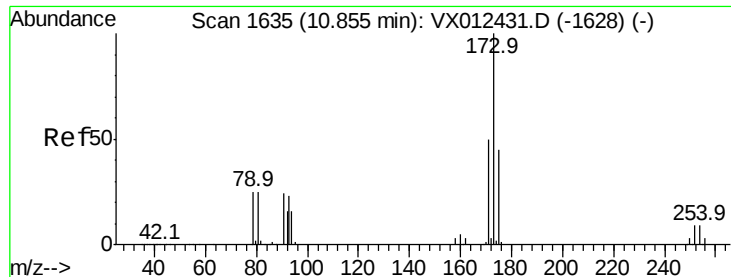
#69
o-Xylene
Concen: 1.758 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. 0.00 min
Lab File: VX012533.D
Acq: 19 Sep 2019 17:07

Tgt Ion:106 Resp: 5059
Ion Ratio Lower Upper
106 100
91 230.7 109.4 328.2



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0





#71

Bromoform

Concen: 2.988 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.27 min

Lab File: VX012533.D

Acq: 19 Sep 2019 17:07

Instrument :

MSVOA_X

ClientSampleId :

DUP-20190911

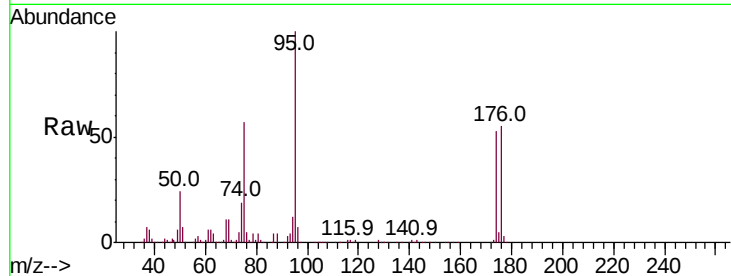
Tot Ion:173 Resp: 201

Ion Ratio Lower Upper

173 100

175 0.0 23.7 71.1#

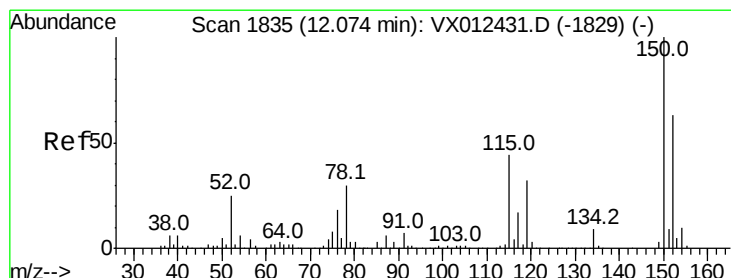
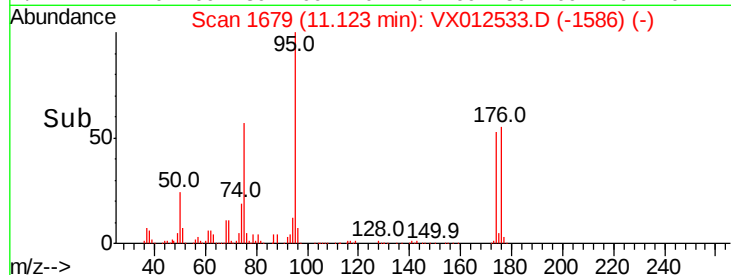
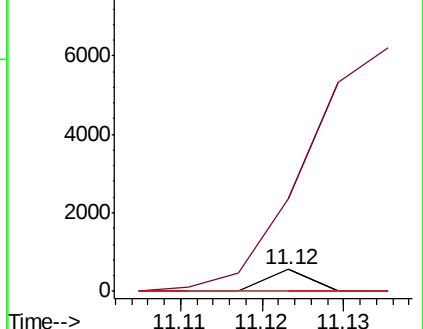
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX012533.D

Acq: 19 Sep 2019 17:07

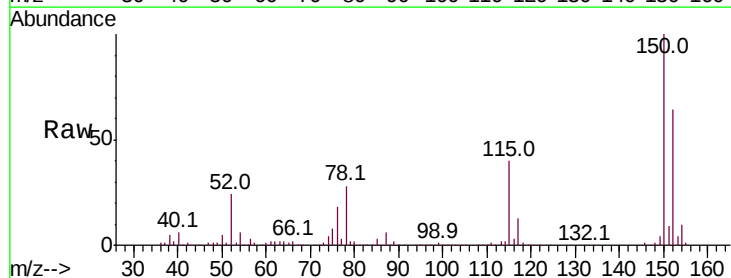
Tgt Ion:152 Resp: 122510

Ion Ratio Lower Upper

152 100

115 62.9 44.1 132.3

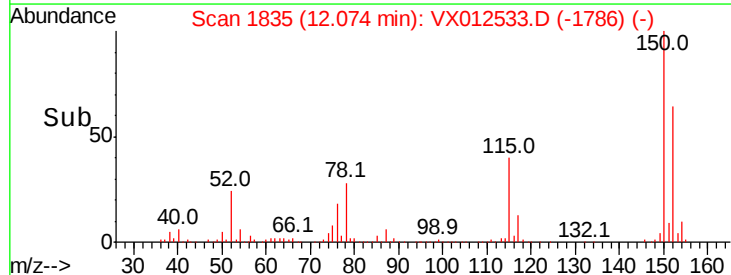
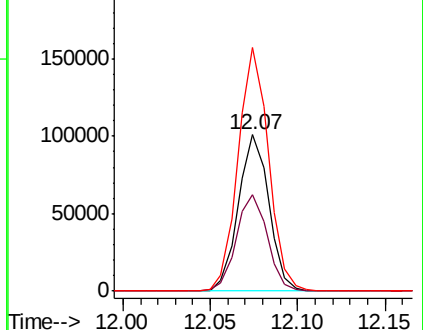
150 156.0 0.0 343.8

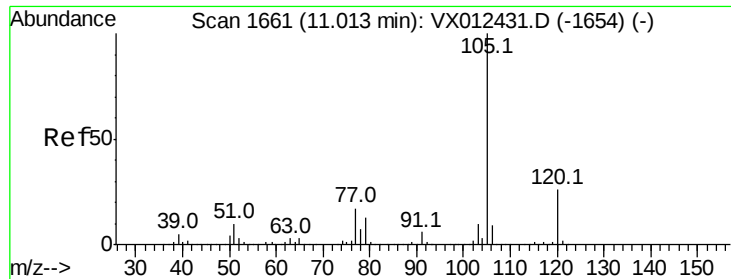


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 0.366 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VX012533.D

Acq: 19 Sep 2019 17:07

Instrument :

MSVOA_X

ClientSampleId :

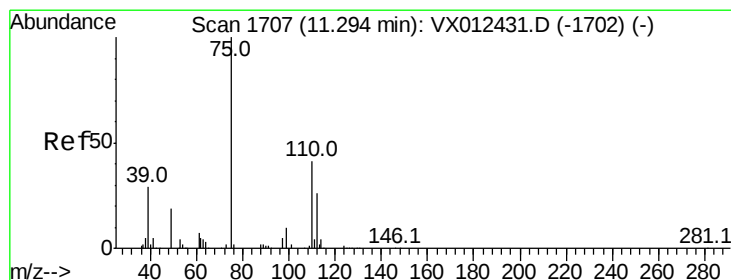
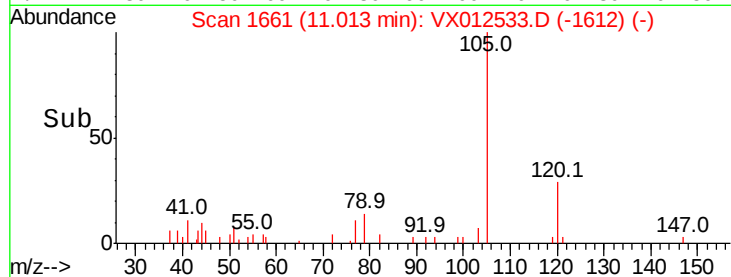
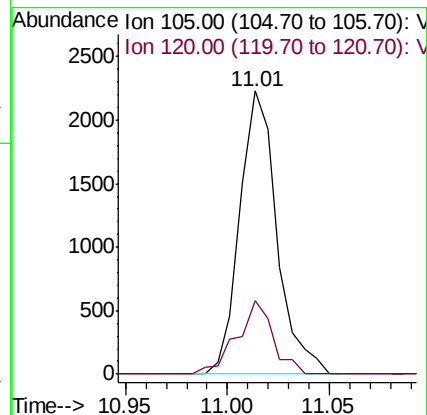
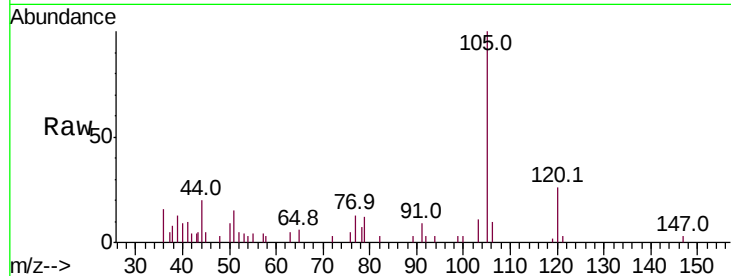
DUP-20190911

Tot Ion:105 Resp: 2817

Ion Ratio Lower Upper

105 100

120 25.1 12.9 38.7



#76

1,2,3-Trichloropropane

Concen: 26.069 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX012533.D

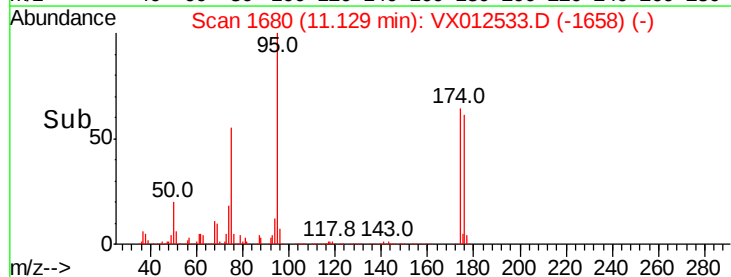
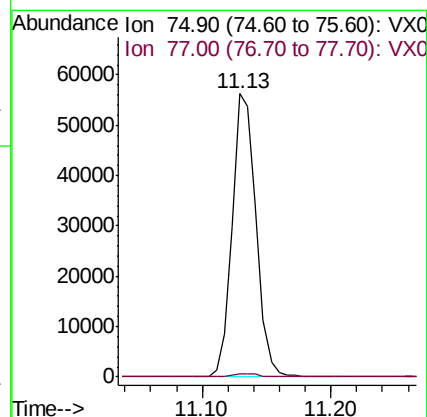
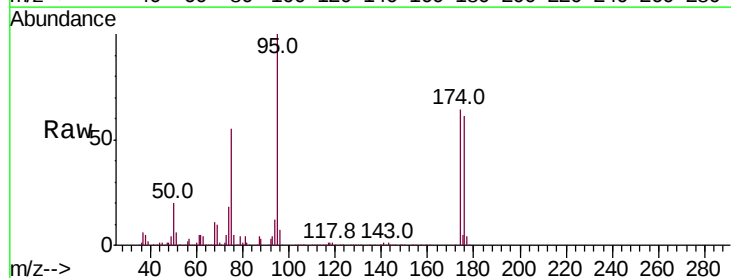
Acq: 19 Sep 2019 17:07

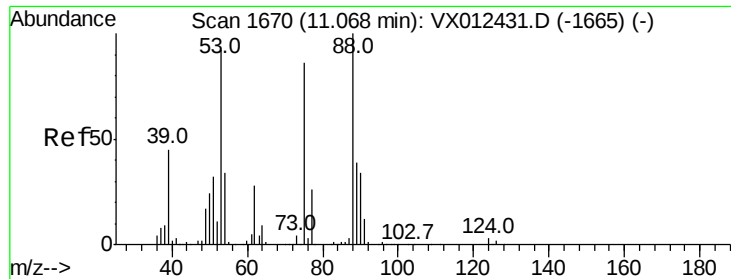
Tgt Ion: 75 Resp: 73361

Ion Ratio Lower Upper

75 100

77 1.3 19.7 59.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 70.233 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX012533.D

Acq: 19 Sep 2019 17:07

Instrument :

MSVOA_X

ClientSampleId :

DUP-20190911

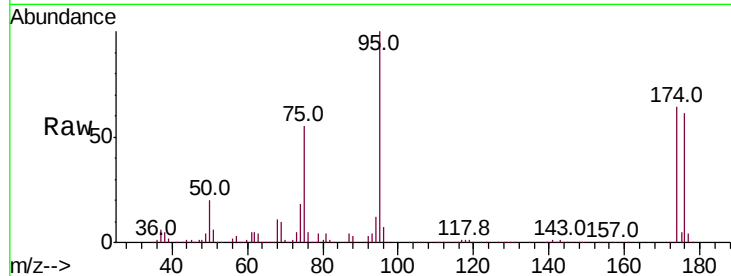
Tot Ion: 75 Resp: 73361

Ion Ratio Lower Upper

75 100

53 0.1 83.6 125.4#

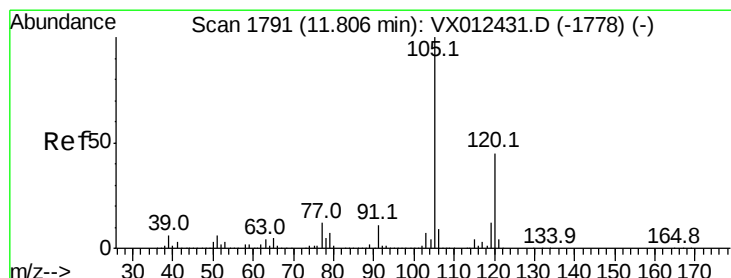
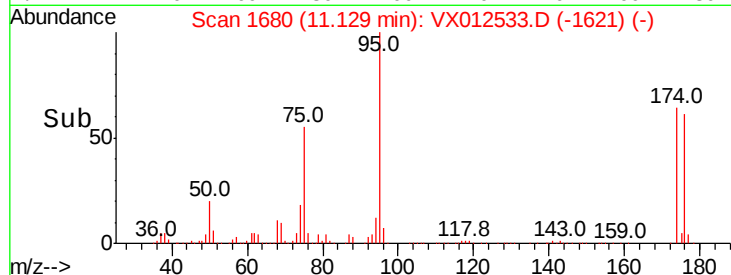
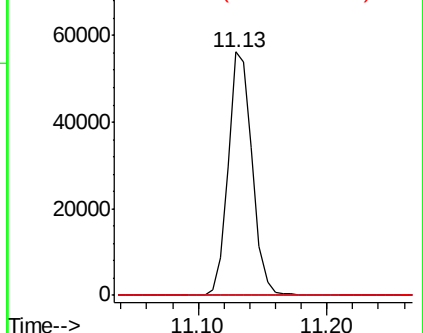
89 0.0 36.3 54.5#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#84

1,2,4-Trimethylbenzene

Concen: 0.392 ug/l

RT: 11.81 min Scan# 1791

Delta R.T. 0.00 min

Lab File: VX012533.D

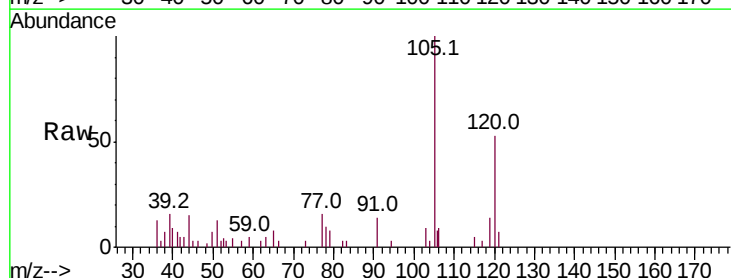
Acq: 19 Sep 2019 17:07

Tgt Ion: 105 Resp: 2636

Ion Ratio Lower Upper

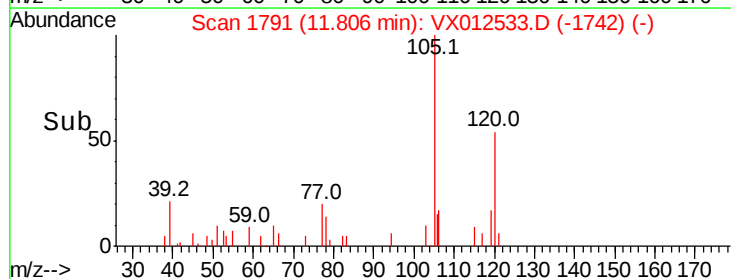
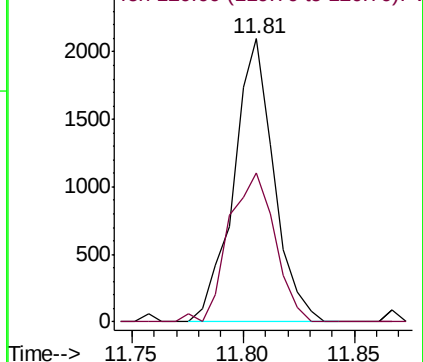
105 100

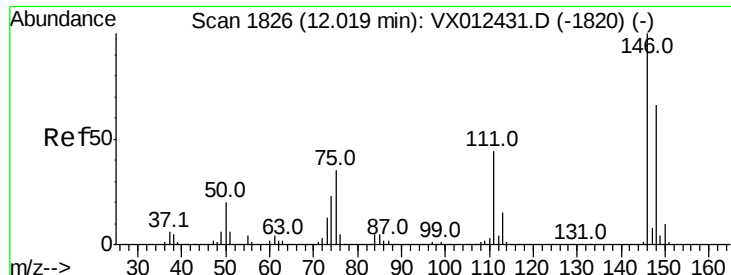
120 60.1 22.2 66.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#87

1,3-Dichlorobenzene

Concen: 5.487 ug/l

RT: 12.09 min Scan# 1838

Delta R.T. 0.07 min

Lab File: VX012533.D

Acq: 19 Sep 2019 17:07

Instrument :

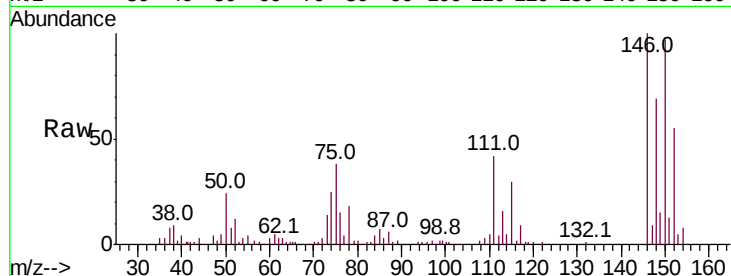
MSVOA_X

ClientSampleId :

DUP-20190911

Tot Ion:146 Resp: 19349

Ion	Ratio	Lower	Upper
146	100		
111	50.1	21.3	64.0
148	65.8	32.4	97.2

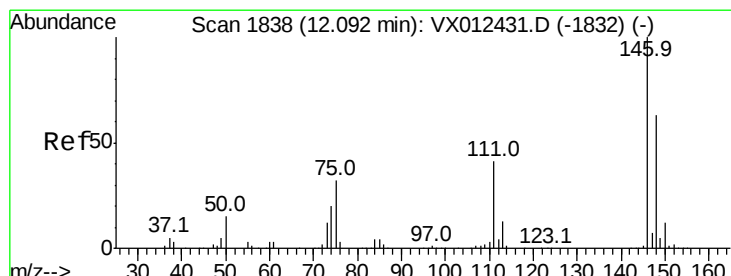
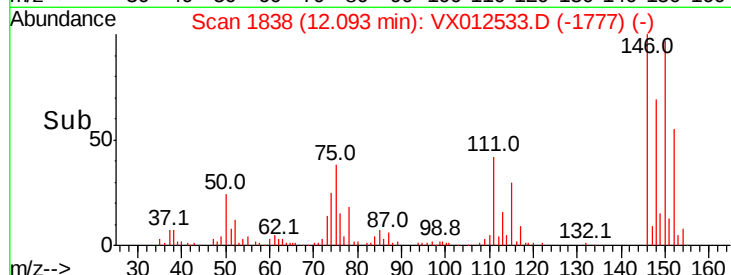
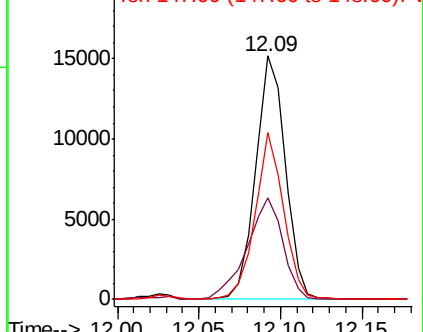


Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 5.342 ug/l

RT: 12.09 min Scan# 1838

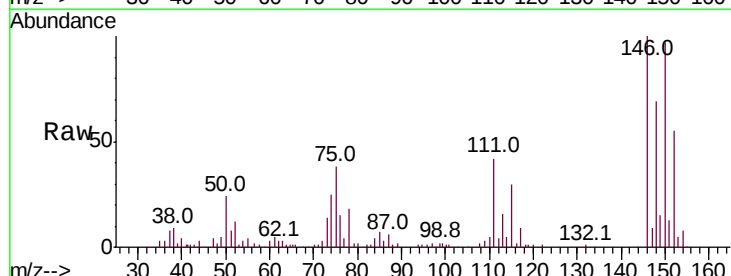
Delta R.T. 0.00 min

Lab File: VX012533.D

Acq: 19 Sep 2019 17:07

Tgt Ion:146 Resp: 19349

Ion	Ratio	Lower	Upper
146	100		
111	50.1	21.1	63.3
148	65.8	32.1	96.5

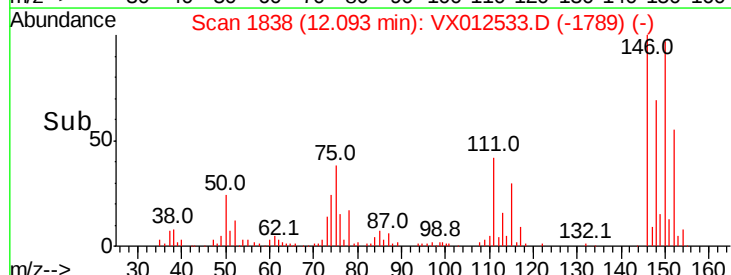
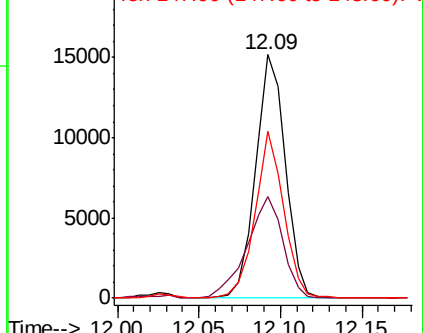


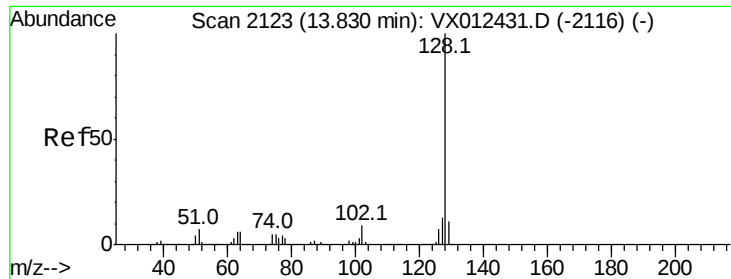
Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

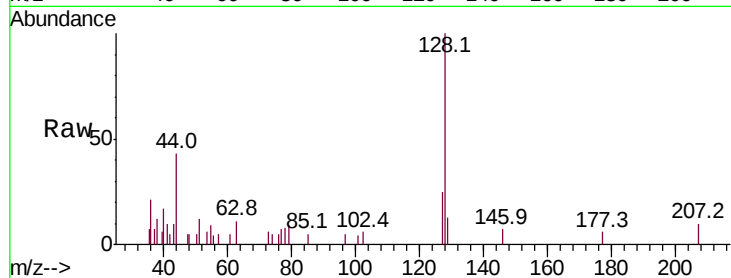




#95
Naphthalene
Concen: 0.204 ug/l
RT: 13.84 min Scan# 2124
Delta R.T. 0.01 min
Lab File: VX012533.D
Acq: 19 Sep 2019 17:07

Instrument :
MSVOA_X
ClientSampleId :
DUP-20190911

Tot Ion:128 Resp: 1726
Ion Ratio Lower Upper
128 100
127 13.4 10.2 15.4
129 14.0 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

