

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX080519\
 Data File : VX011324.D
 Acq On : 05 Aug 2019 12:24
 Operator : JC/SP
 Sample : K4119-09DL 20X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 Z3-0686DL

Quant Time: Aug 06 03:26:19 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080119W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 02 01:55:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	149241	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	239942	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	228396	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	109148	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	80894	53.82	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	107.64%	
35) Dibromofluoromethane	5.49	113	76614	48.91	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	97.82%	
50) Toluene-d8	8.71	98	293524	49.64	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	99.28%	
62) 4-Bromofluorobenzene	11.13	95	102801	48.69	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	97.38%	

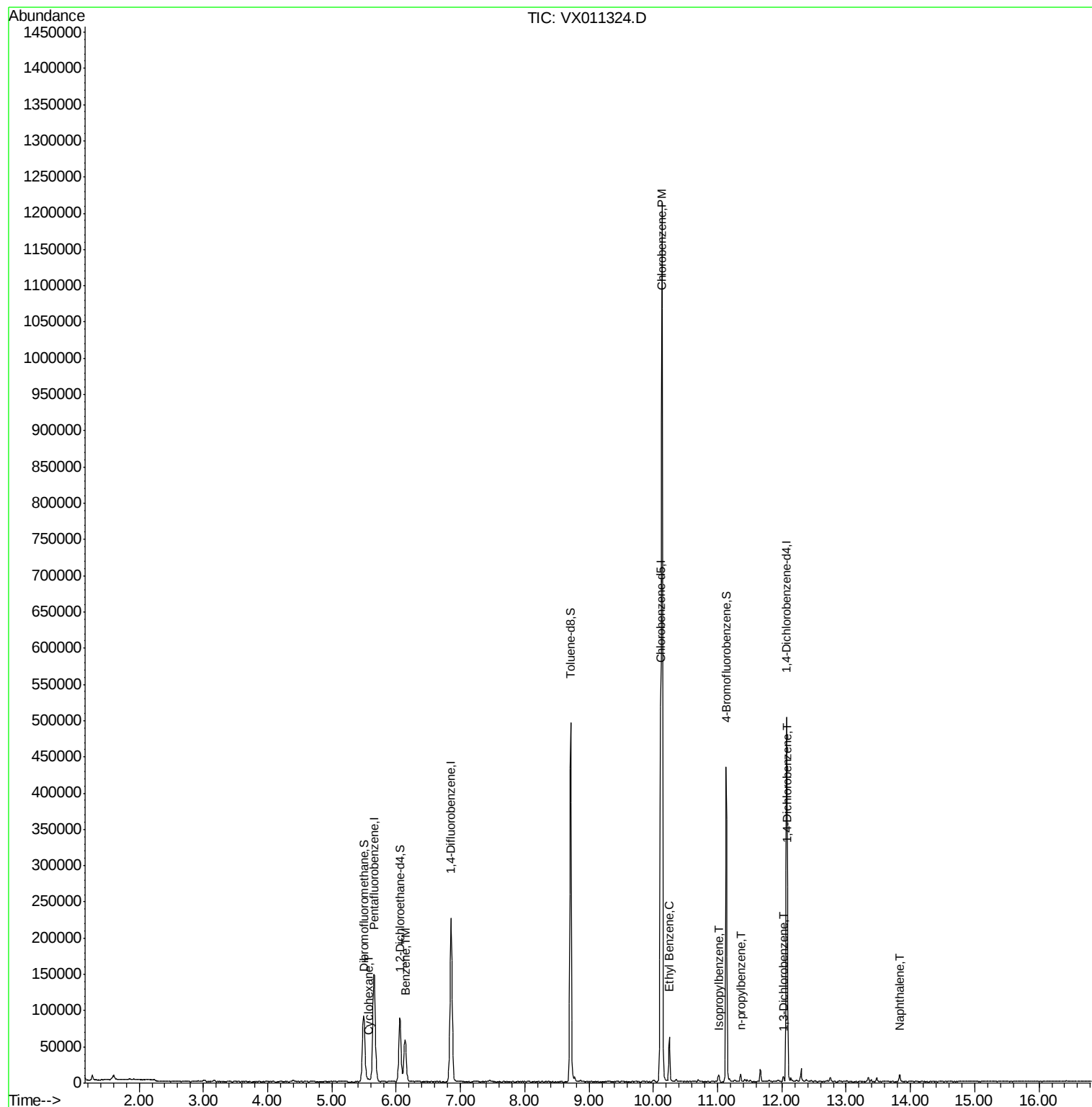
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
31) Cyclohexane	5.58	56	1628	0.841	ug/l	97
40) Benzene	6.14	78	71357	11.415	ug/l	100
65) Chlorobenzene	10.13	112	540037	110.276	ug/l	100
67) Ethyl Benzene	10.25	91	34037	4.150	ug/l	98
73) Isopropylbenzene	11.02	105	4460	0.597	ug/l	95
78) n-propylbenzene	11.36	91	4808	0.579	ug/l	95
87) 1,3-Dichlorobenzene	12.02	146	1866	0.510	ug/l	92
88) 1,4-Dichlorobenzene	12.09	146	11554	3.064	ug/l	84
95) Naphthalene	13.83	128	5903	0.828	ug/l	97

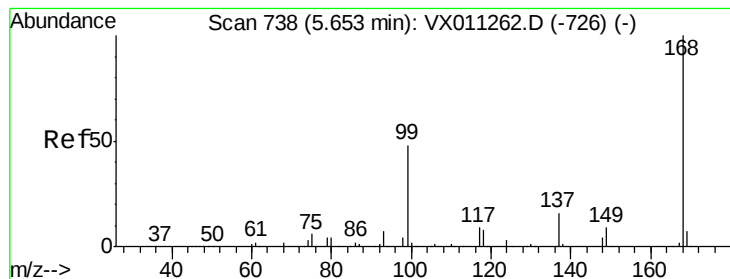
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX080519\
Data File : VX011324.D
Acq On : 05 Aug 2019 12:24
Operator : JC/SP
Sample : K4119-09DL 20X
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
Z3-0686DL

Quant Time: Aug 06 03:26:19 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X080119W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 02 01:55:00 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 738

Delta R.T. 0.00 min

Lab File: VX011324.D

Acq: 05 Aug 2019 12:24

Instrument :

MSVOA_X

ClientSampled :

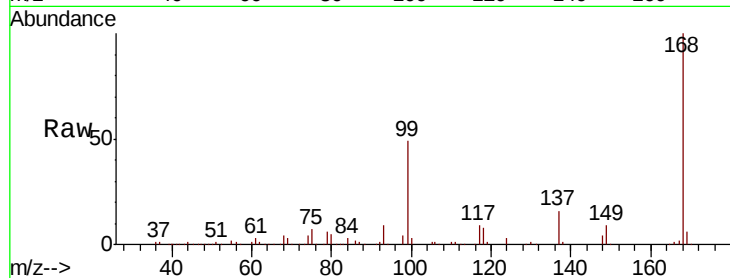
Z3-0686DL

Tot Ion:168 Resp: 149241

Ion Ratio Lower Upper

168 100

99 48.8 38.5 57.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

60000

50000

40000

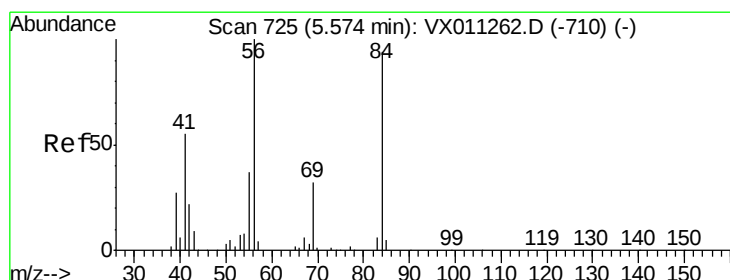
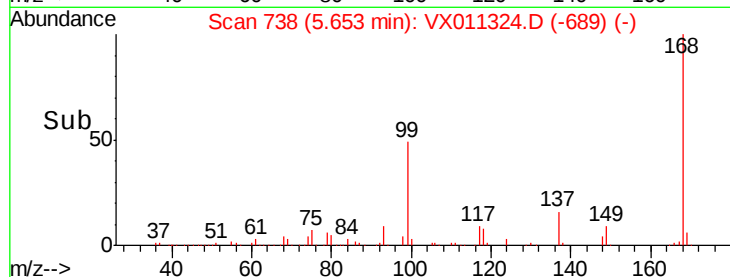
30000

20000

10000

0

Time--> 5.50 5.60 5.70 5.80



#31

Cyclohexane

Concen: 0.841 ug/l

RT: 5.58 min Scan# 726

Delta R.T. 0.01 min

Lab File: VX011324.D

Acq: 05 Aug 2019 12:24

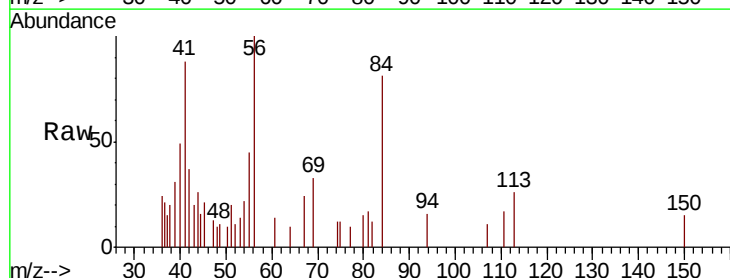
Tgt Ion: 56 Resp: 1628

Ion Ratio Lower Upper

56 100

69 31.3 25.5 38.3

84 90.8 75.0 112.4



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

2000

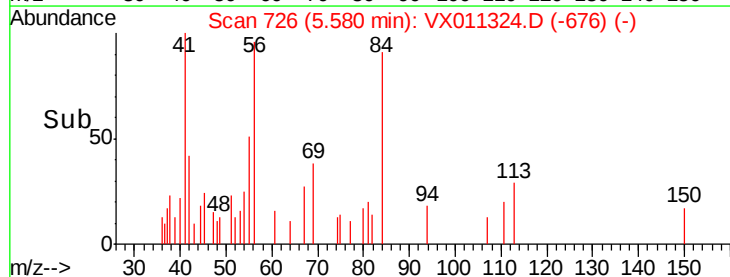
1500

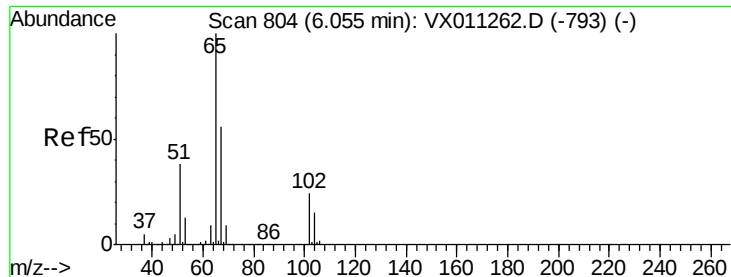
1000

500

0

Time--> 5.50 5.55 5.60





#33

1,2-Dichloroethane-d4

Concen: 53.824 ug/l

RT: 6.06 min Scan# 804

Delta R.T. 0.00 min

Lab File: VX011324.D

Acq: 05 Aug 2019 12:24

Instrument :

MSVOA_X

ClientSampleId :

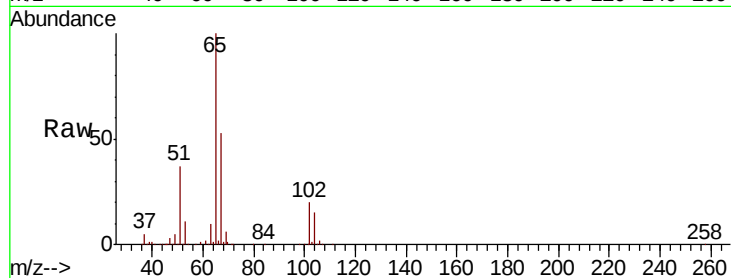
Z3-0686DL

Tot Ion: 65 Resp: 80894

Ion Ratio Lower Upper

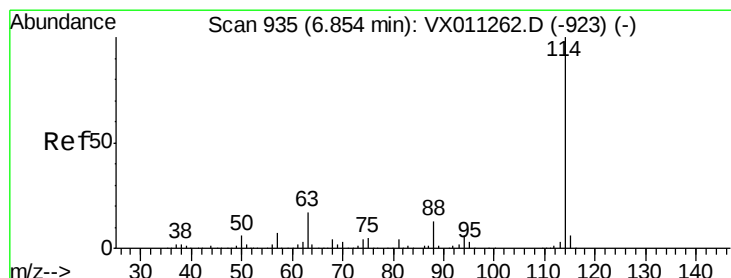
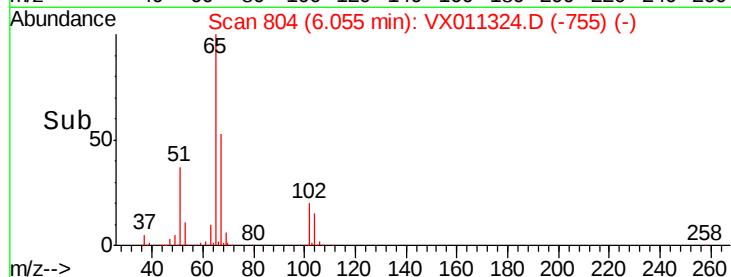
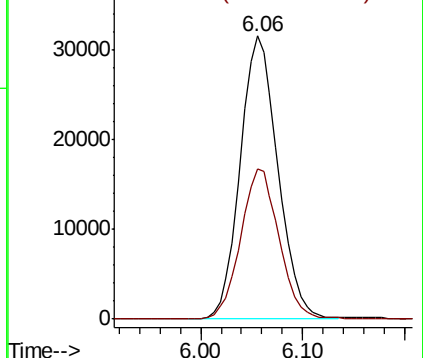
65 100

67 54.2 0.0 110.6



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# 935

Delta R.T. 0.00 min

Lab File: VX011324.D

Acq: 05 Aug 2019 12:24

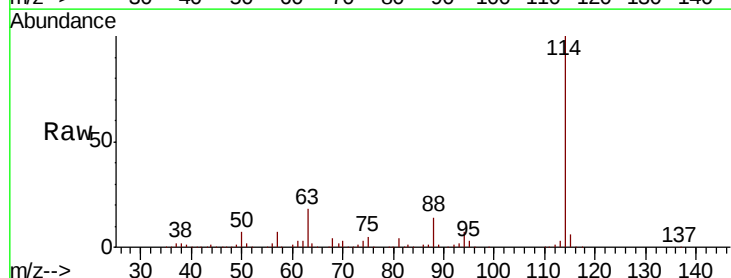
Tgt Ion: 114 Resp: 239942

Ion Ratio Lower Upper

114 100

63 18.4 0.0 34.0

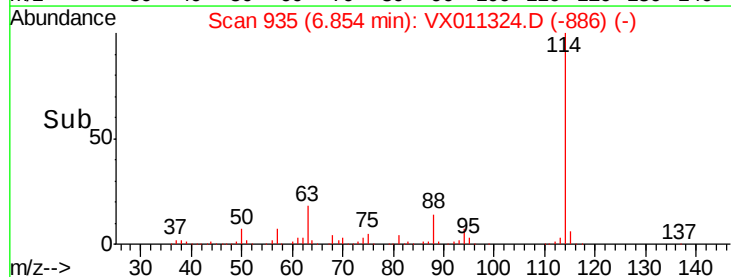
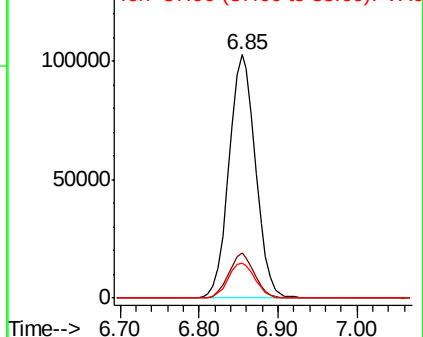
88 14.2 0.0 26.4

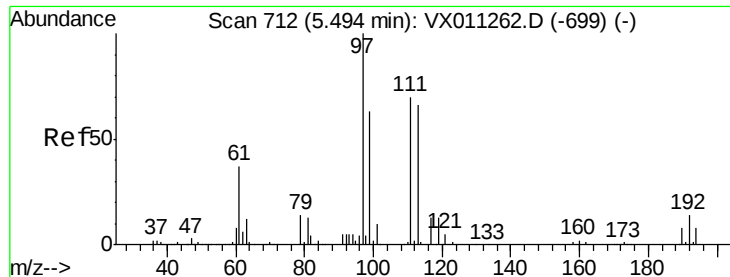


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

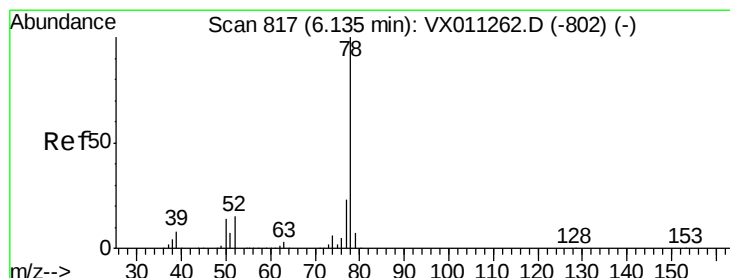
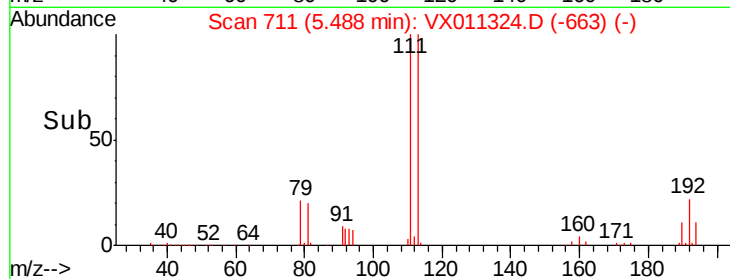
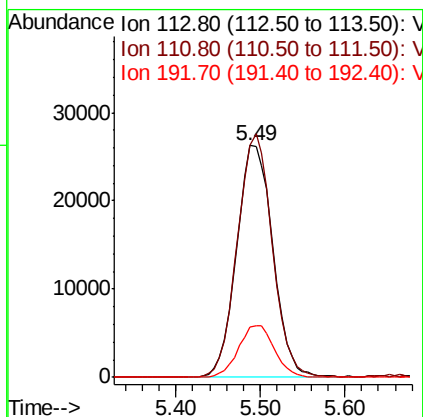
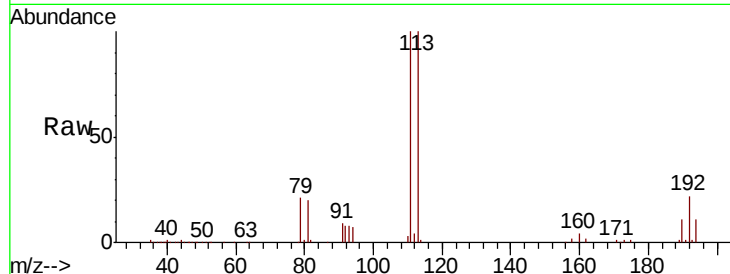




#35
 Dibromofluoromethane
 Concen: 48.907 ug/l
 RT: 5.49 min Scan# 711
 Delta R.T. -0.01 min
 Lab File: VX011324.D
 Acq: 05 Aug 2019 12:24

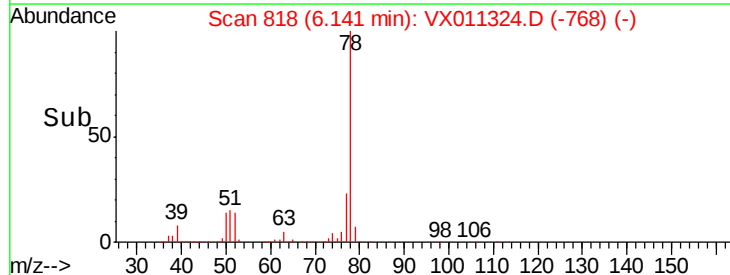
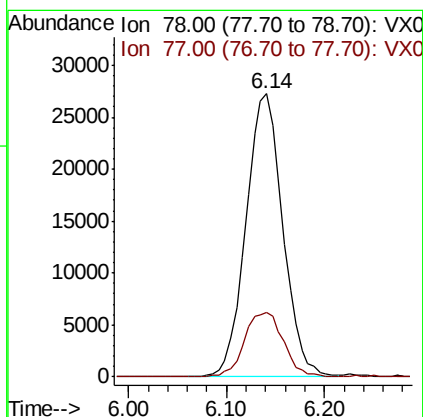
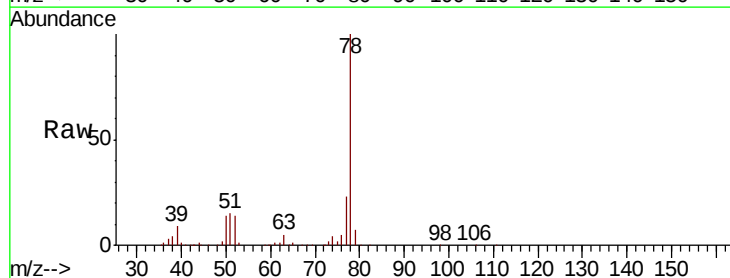
Instrument :
 MSVOA_X
 ClientSampleID :
 Z3-0686DL

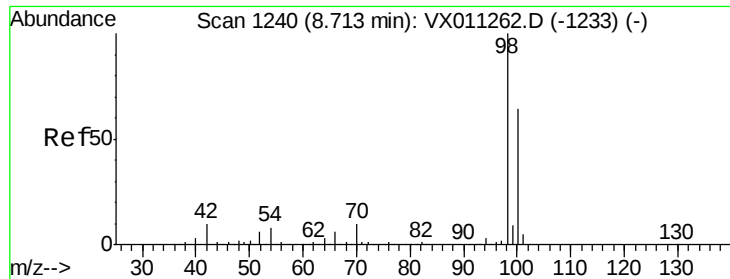
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.4	81.9	122.9
192	22.2	17.8	26.8



#40
 Benzene
 Concen: 11.415 ug/l
 RT: 6.14 min Scan# 818
 Delta R.T. 0.01 min
 Lab File: VX011324.D
 Acq: 05 Aug 2019 12:24

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.7	18.2	27.2





#50

Toluene-d8

Concen: 49.639 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX011324.D

Acq: 05 Aug 2019 12:24

Instrument :

MSVOA_X

ClientSampleId :

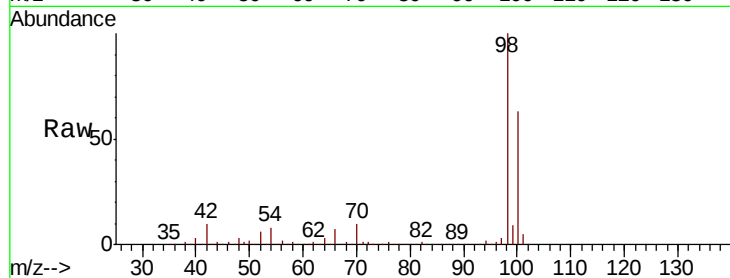
Z3-0686DL

Tot Ion: 98 Resp: 293524

Ion Ratio Lower Upper

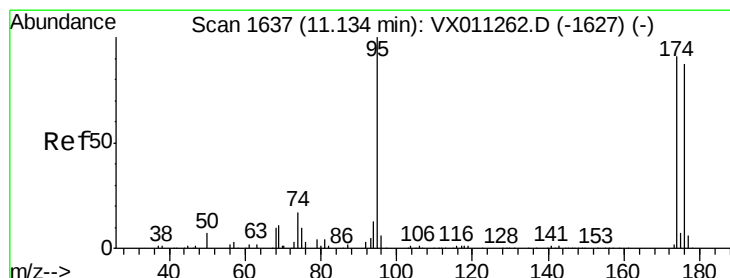
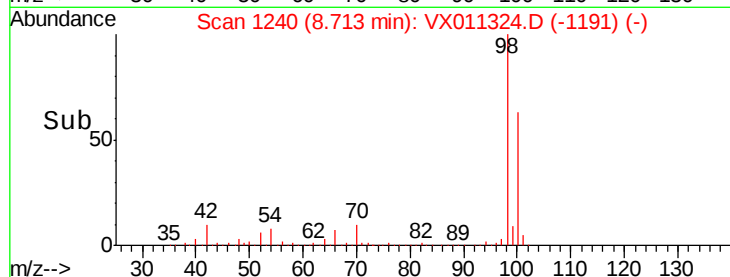
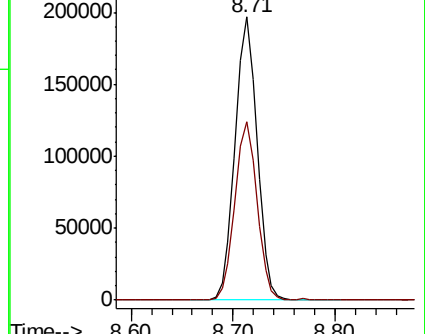
98 100

100 63.1 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V



#62

4-Bromofluorobenzene

Concen: 48.694 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX011324.D

Acq: 05 Aug 2019 12:24

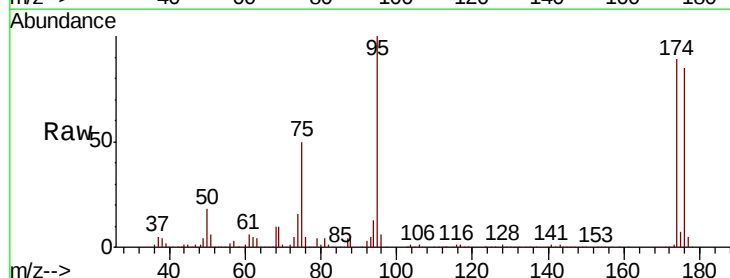
Tgt Ion: 95 Resp: 102801

Ion Ratio Lower Upper

95 100

174 94.9 0.0 191.2

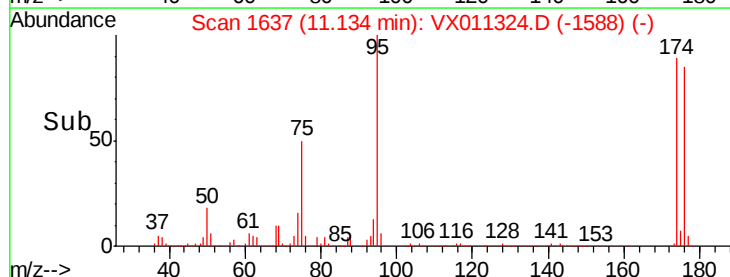
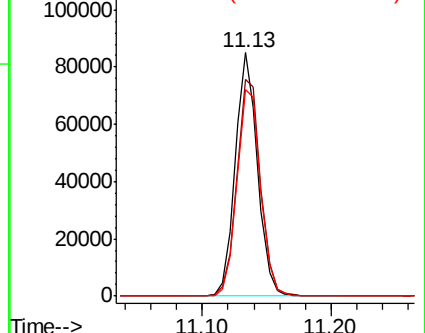
176 90.2 0.0 184.8

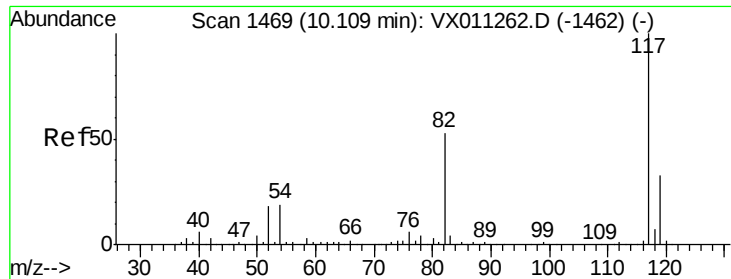


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

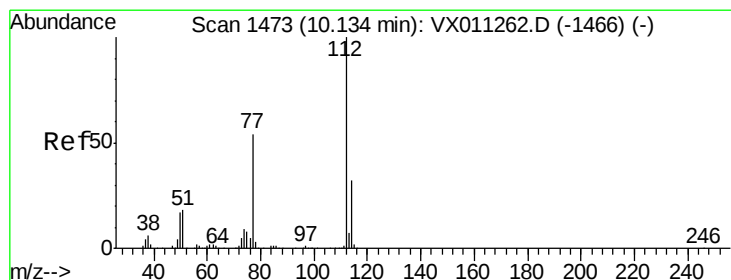
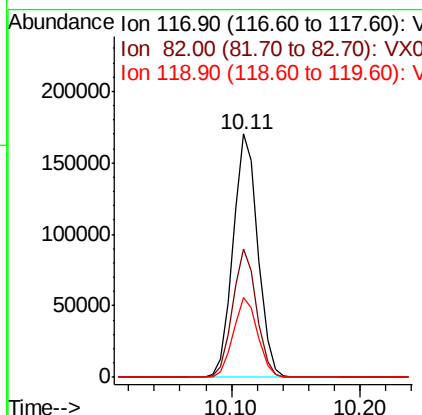
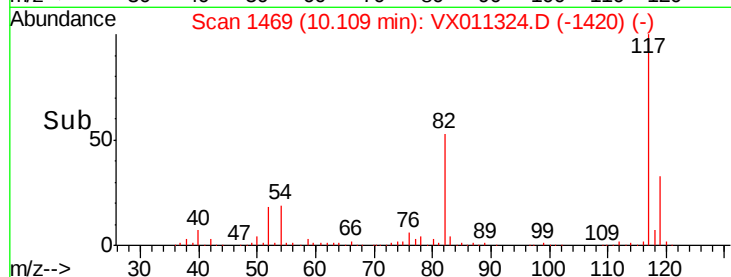
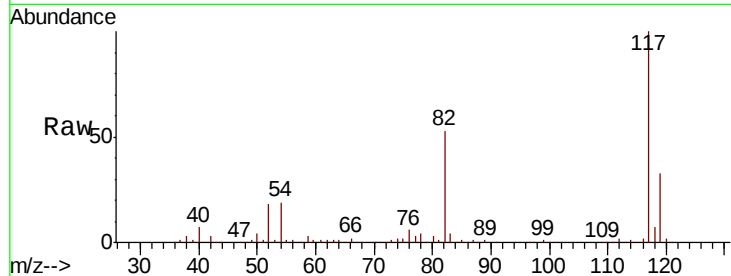




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX011324.D
Acq: 05 Aug 2019 12:24

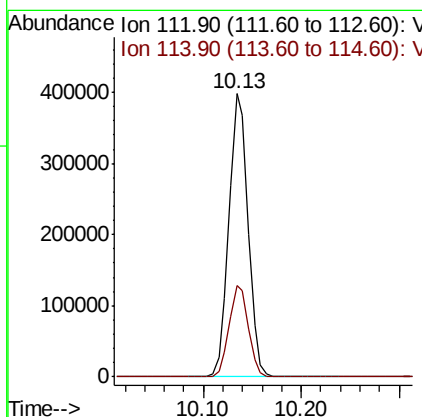
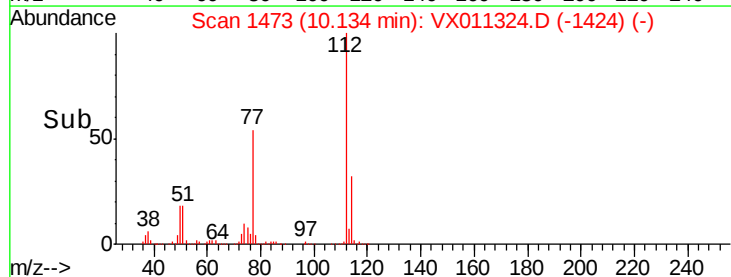
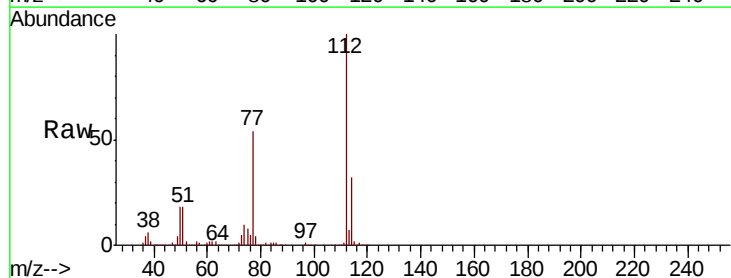
Instrument :
MSVOA_X
ClientSampled :
Z3-0686DL

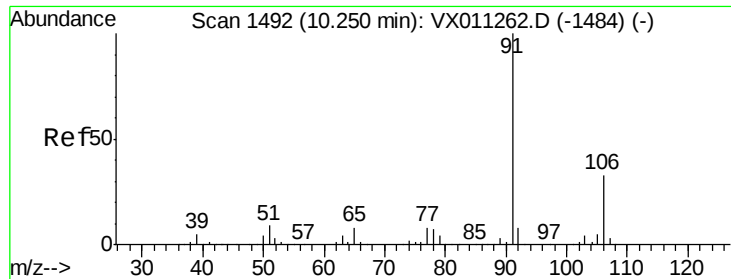
Tot Ion:117 Resp: 228396
Ion Ratio Lower Upper
117 100
82 52.8 42.2 63.2
119 32.6 26.6 39.8



#65
Chlorobenzene
Concen: 110.276 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VX011324.D
Acq: 05 Aug 2019 12:24

Tgt Ion:112 Resp: 540037
Ion Ratio Lower Upper
112 100
114 32.4 25.9 38.9

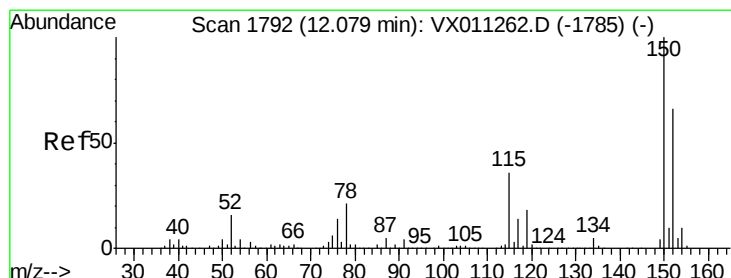
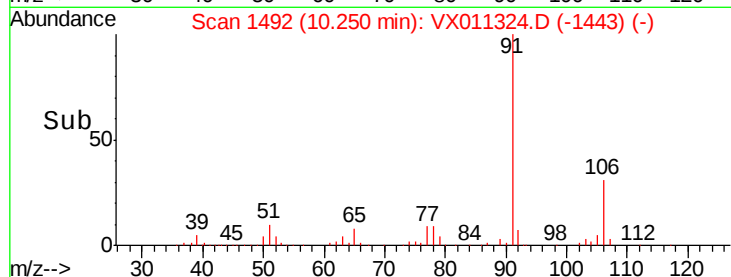
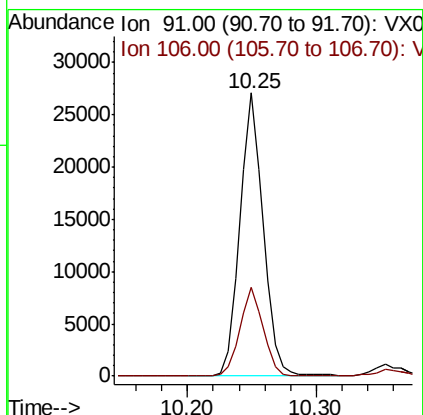
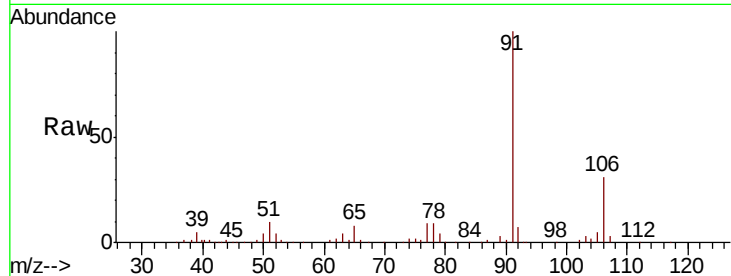




#67
Ethyl Benzene
Concen: 4.150 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX011324.D
Acq: 05 Aug 2019 12:24

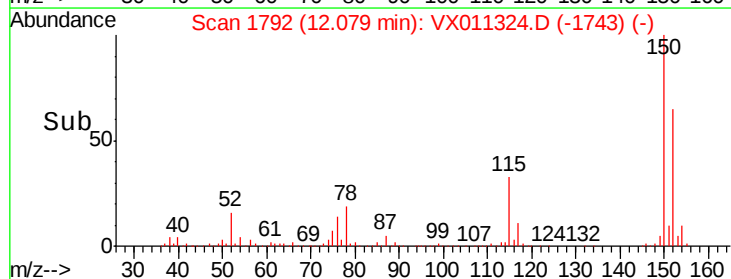
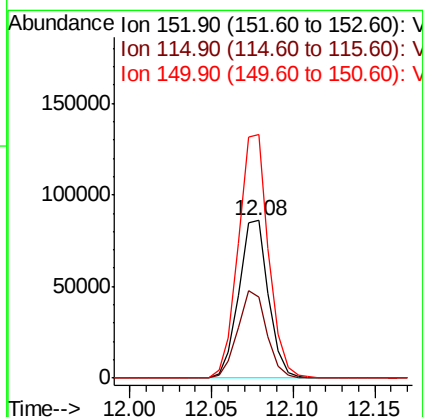
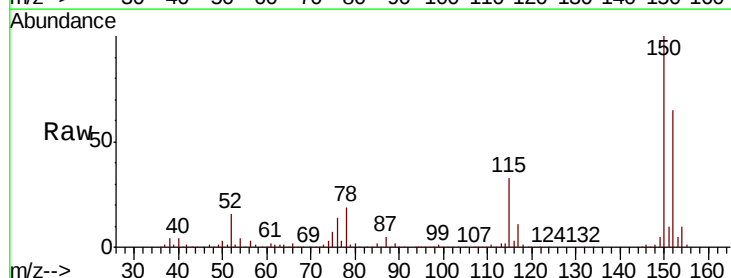
Instrument :
MSVOA_X
ClientSampleId :
Z3-0686DL

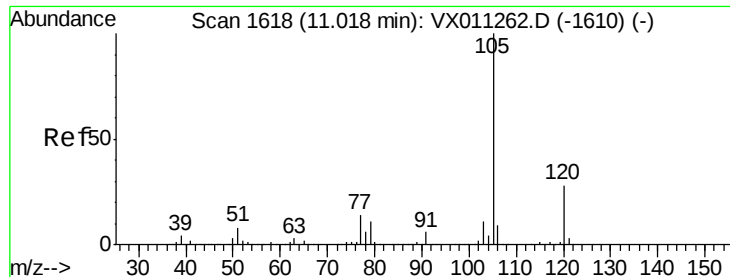
Tot Ion: 91 Resp: 34037
Ion Ratio Lower Upper
91 100
106 31.4 26.2 39.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX011324.D
Acq: 05 Aug 2019 12:24

Tgt Ion: 152 Resp: 109148
Ion Ratio Lower Upper
152 100
115 54.2 40.0 119.9
150 156.8 0.0 350.4





#73

Isopropylbenzene

Concen: 0.597 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX011324.D

Acq: 05 Aug 2019 12:24

Instrument :

MSVOA_X

ClientSampled :

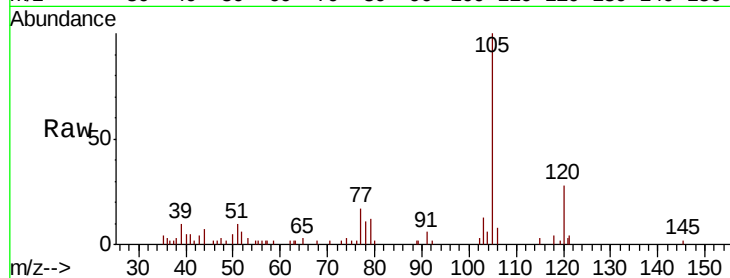
Z3-0686DL

Tot Ion:105 Resp: 4460

Ion Ratio Lower Upper

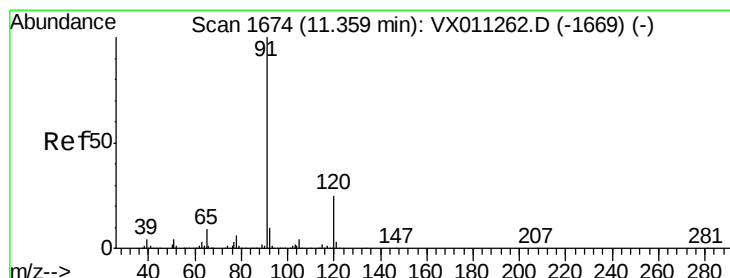
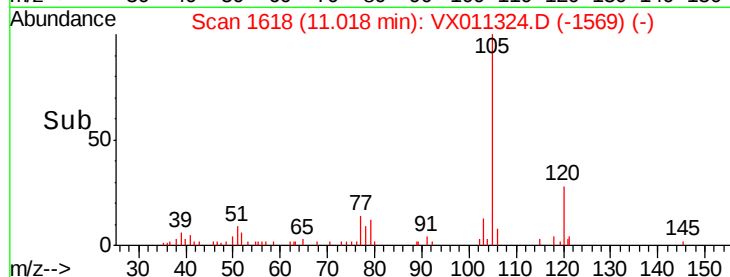
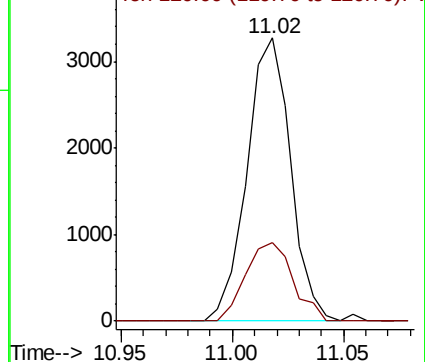
105 100

120 30.2 13.7 41.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#78

n-propylbenzene

Concen: 0.579 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX011324.D

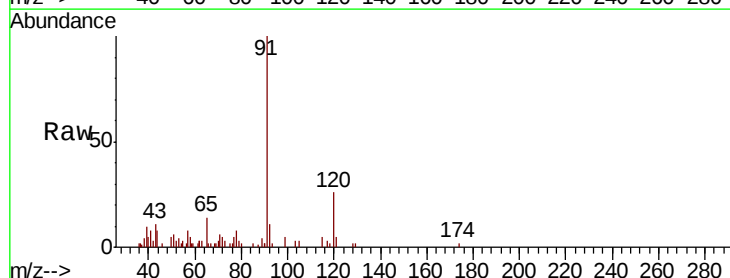
Acq: 05 Aug 2019 12:24

Tgt Ion: 91 Resp: 4808

Ion Ratio Lower Upper

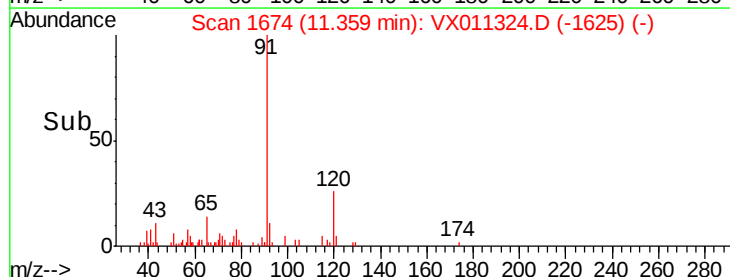
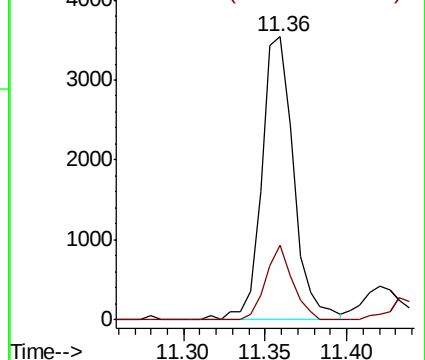
91 100

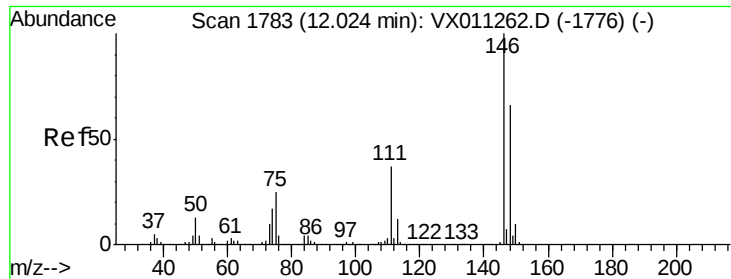
120 22.1 12.4 37.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

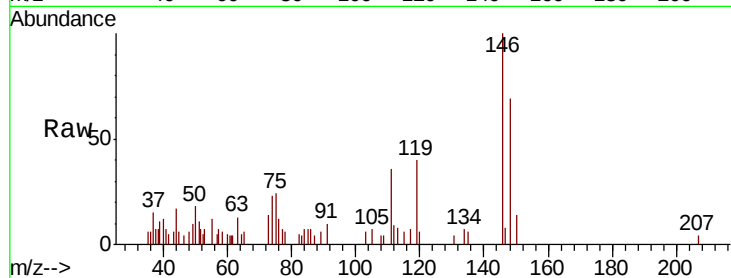




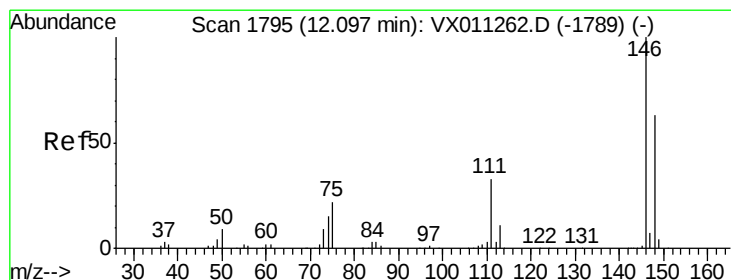
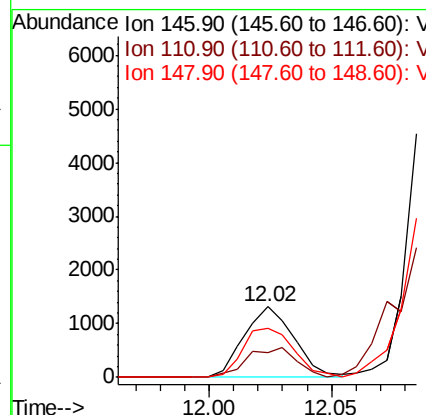
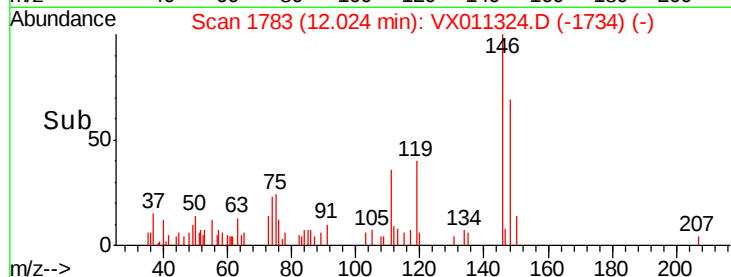
#87
 1,3-Dichlorobenzene
 Concen: 0.510 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX011324.D
 Acq: 05 Aug 2019 12:24

Instrument :
 MSVOA_X
 ClientSampleId :
 Z3-0686DL

Tot Ion:146 Resp: 1866
 Ion Ratio Lower Upper
 146 100
 111 41.5 18.6 55.8
 148 71.3 32.5 97.5

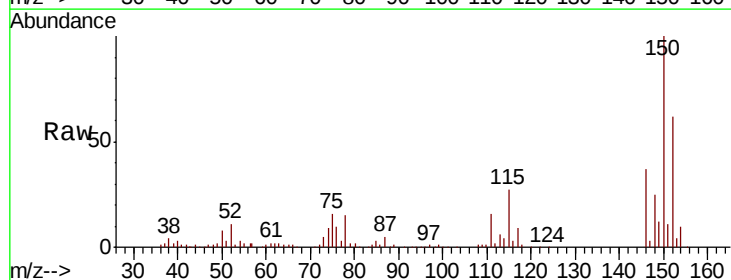


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

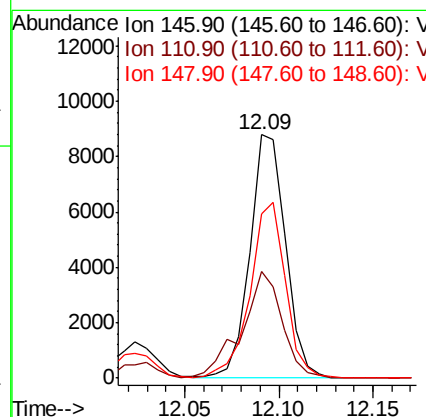
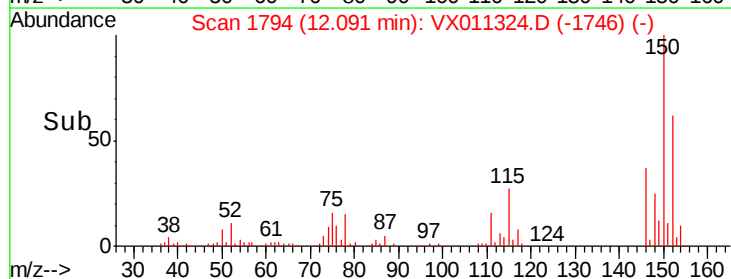


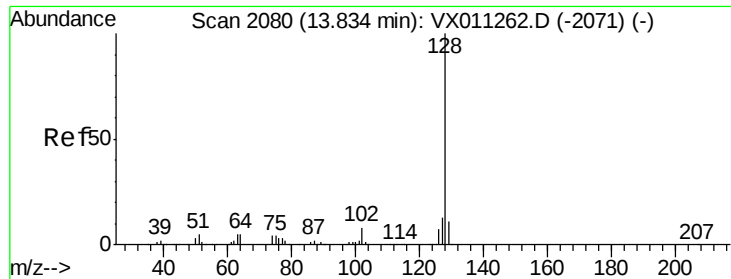
#88
 1,4-Dichlorobenzene
 Concen: 3.064 ug/l
 RT: 12.09 min Scan# 1794
 Delta R.T. -0.01 min
 Lab File: VX011324.D
 Acq: 05 Aug 2019 12:24

Tgt Ion:146 Resp: 11554
 Ion Ratio Lower Upper
 146 100
 111 49.8 17.8 53.4
 148 71.9 31.8 95.3



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

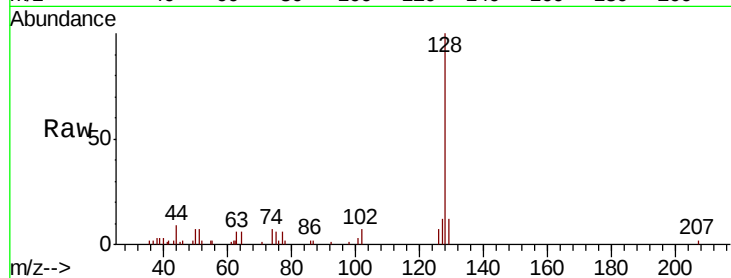




#95
Naphthalene
Concen: 0.828 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX011324.D
Acq: 05 Aug 2019 12:24

Instrument :
MSVOA_X
ClientSampleId :
Z3-0686DL

Tot Ion	Ratio	Lower	Upper
128	100		
127	14.0	10.4	15.6
129	12.5	8.9	13.3



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

