

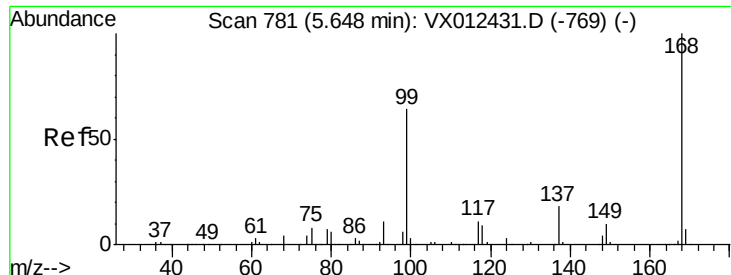
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX092019\
 Data File : VX012554.D
 Acq On : 20 Sep 2019 14:02
 Operator : JC/SP
 Sample : K4830-04DL 40X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S13-0272DL

Quant Time: Sep 20 15:24:13 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	182367	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	288382	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	238283	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	96334	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.05	65	120476	46.09	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.18%	
35) Dibromofluoromethane	5.50	113	85341	48.89	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.78%	
50) Toluene-d8	8.71	98	333188	51.57	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.14%	
62) 4-Bromofluorobenzene	11.14	95	117000	43.62	ug/l	0.00
Spiked Amount 50.000			Recovery	=	87.24%	
Target Compounds						
					Qvalue	
31) Cyclohexane	5.58	56	78098	43.263	ug/l	99
39) Methylcyclohexane	7.46	83	223003	130.885	ug/l	98
67) Ethyl Benzene	10.25	91	115850	17.145	ug/l	99
73) Isopropylbenzene	11.01	105	65907	10.904	ug/l	100
78) n-propylbenzene	11.35	91	110617	16.420	ug/l	100
80) 1,3,5-Trimethylbenzene	11.50	105	61248	11.882	ug/l	100
84) 1,2,4-Trimethylbenzene	11.81	105	477705	90.254	ug/l	100
89) n-Butylbenzene	12.39	91	37267	7.473	ug/l #	57
95) Naphthalene	13.83	128	107379	16.166	ug/l #	95

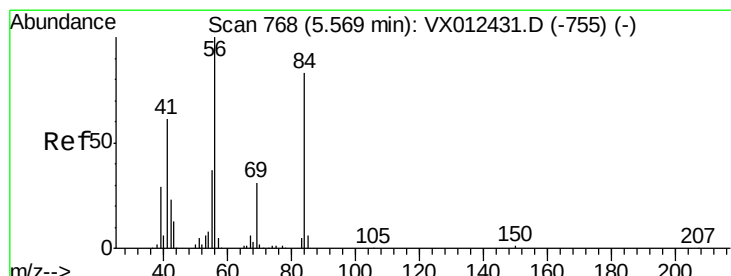
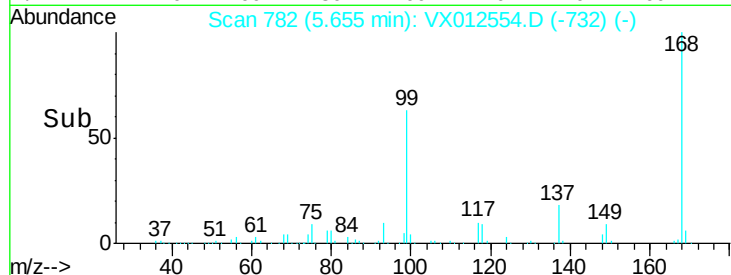
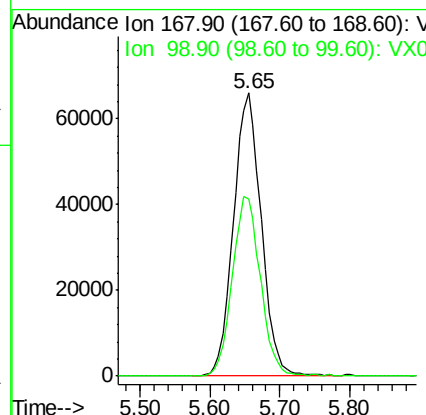
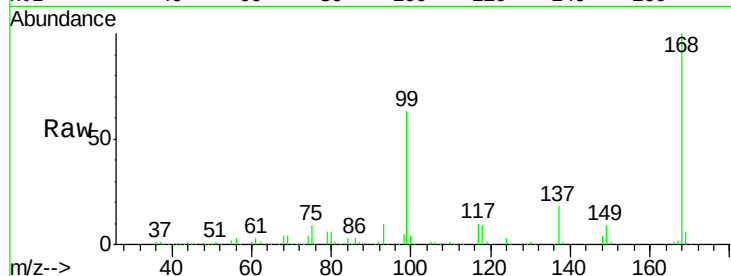
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.65 min Scan# 782
Delta R.T. 0.01 min
Lab File: VX012554.D
Acq: 20 Sep 2019 14:02

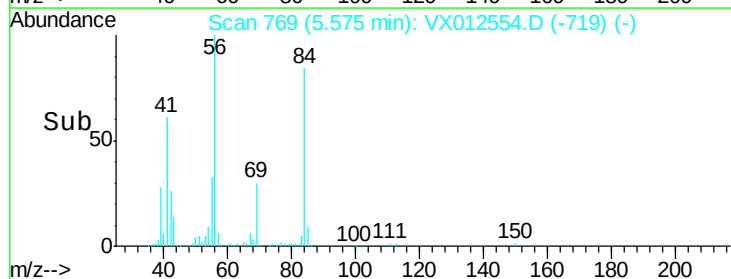
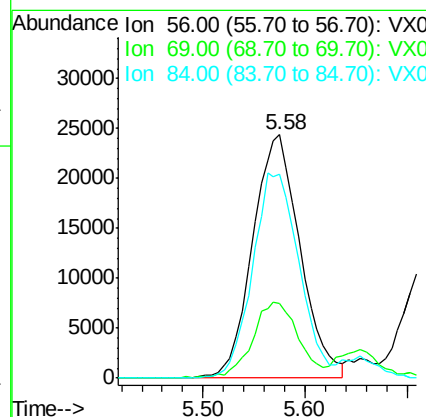
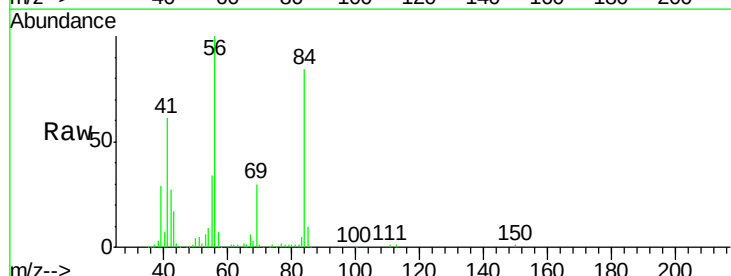
Instrument :
MSVOA_X
ClientSampleId :
S13-0272DL

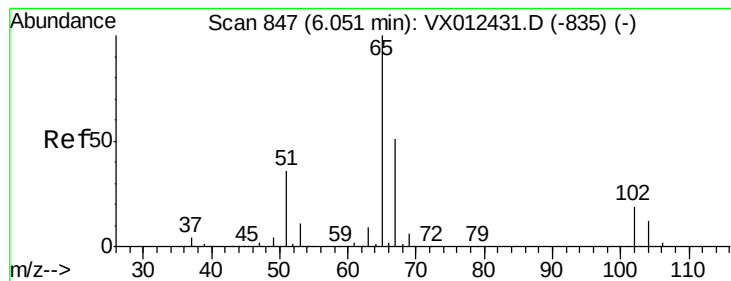
Tot Ion:168 Resp: 182367
Ion Ratio Lower Upper
168 100
99 62.8 51.4 77.2



#31
Cyclohexane
Concen: 43.263 ug/l
RT: 5.58 min Scan# 769
Delta R.T. 0.01 min
Lab File: VX012554.D
Acq: 20 Sep 2019 14:02

Tgt Ion: 56 Resp: 78098
Ion Ratio Lower Upper
56 100
69 30.1 25.0 37.6
84 83.9 66.4 99.6





#33

1,2-Dichloroethane-d4

Concen: 46.094 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX012554.D

Acq: 20 Sep 2019 14:02

Instrument :

MSVOA_X

ClientSampled :

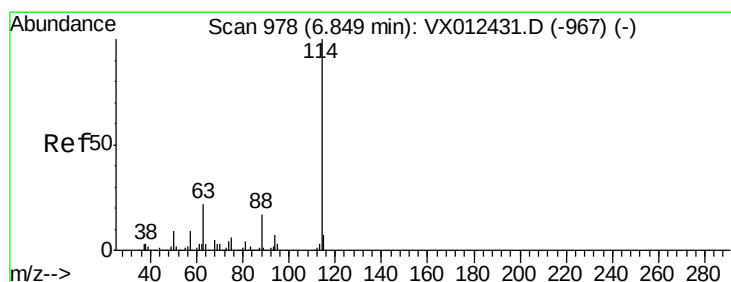
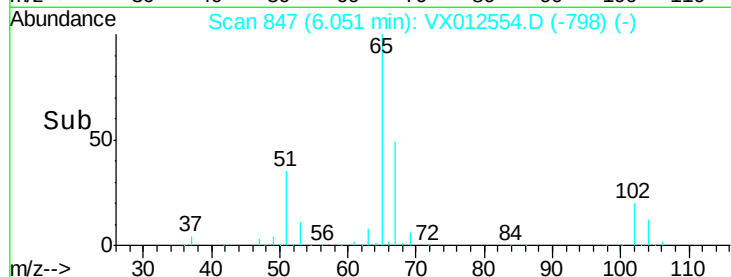
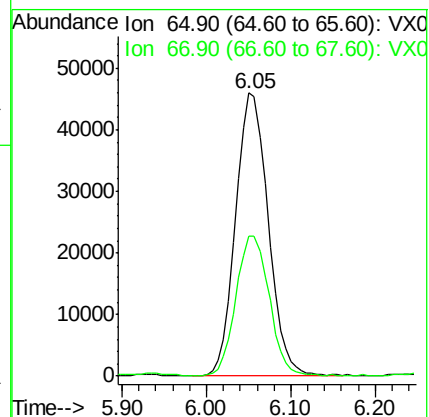
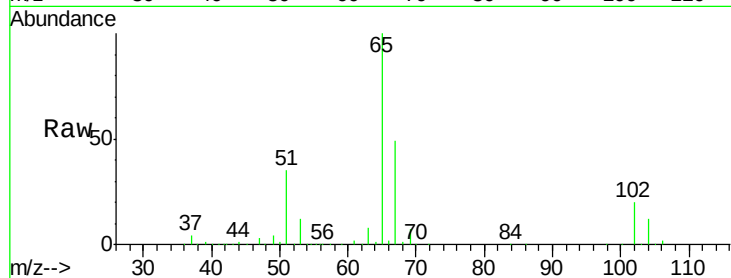
S13-0272DL

Tot Ion: 65 Resp: 120476

Ion Ratio Lower Upper

65 100

67 50.4 0.0 101.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX012554.D

Acq: 20 Sep 2019 14:02

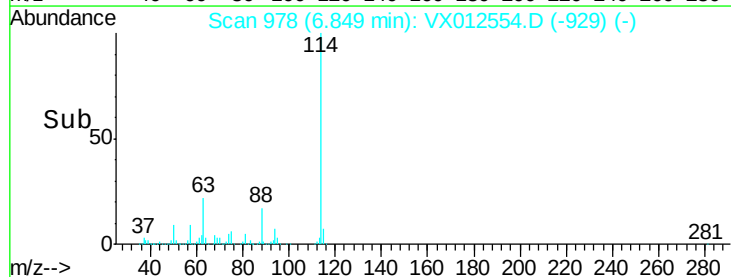
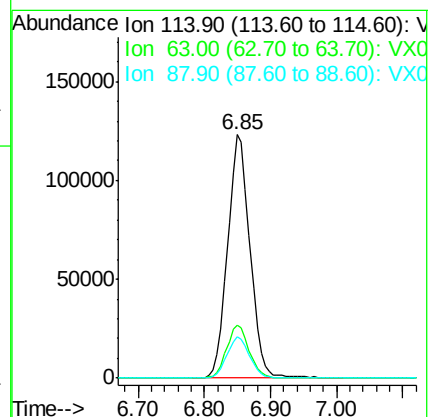
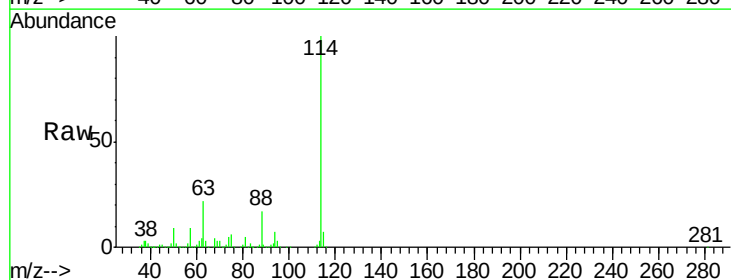
Tgt Ion: 114 Resp: 288382

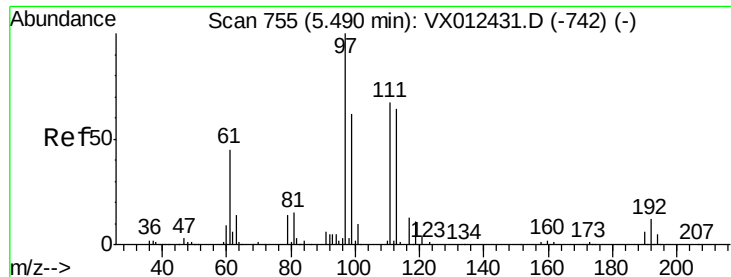
Ion Ratio Lower Upper

114 100

63 21.6 0.0 43.2

88 17.2 0.0 33.2

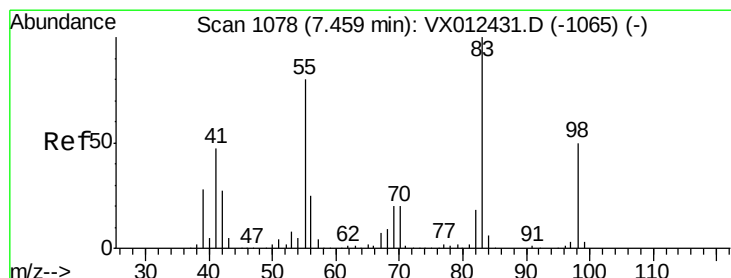
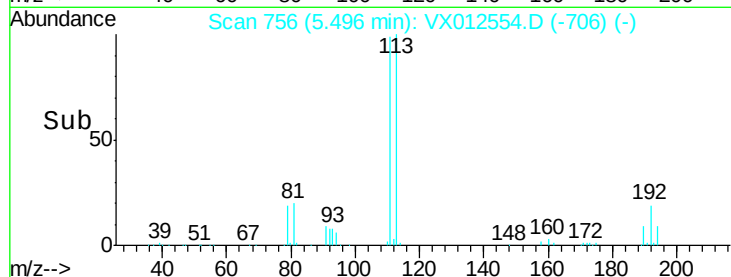
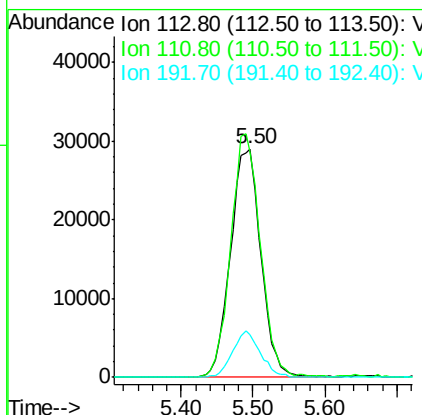
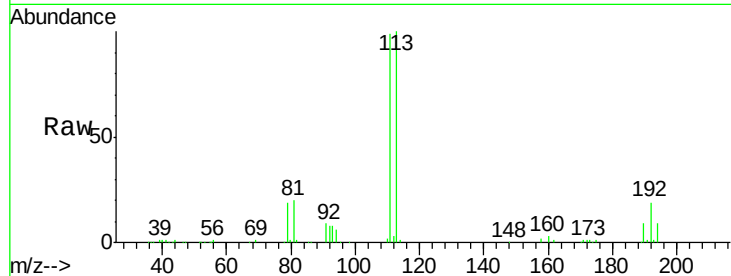




#35
 Dibromofluoromethane
 Concen: 48.893 ug/l
 RT: 5.50 min Scan# 756
 Delta R.T. 0.01 min
 Lab File: VX012554.D
 Acq: 20 Sep 2019 14:02

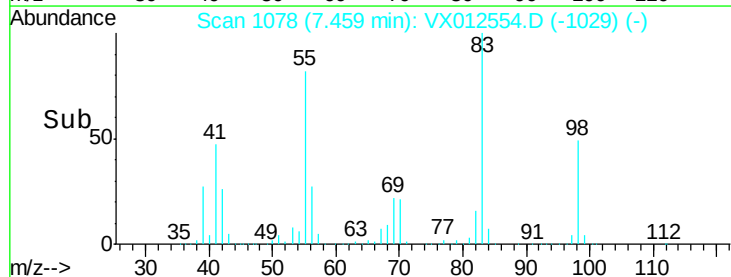
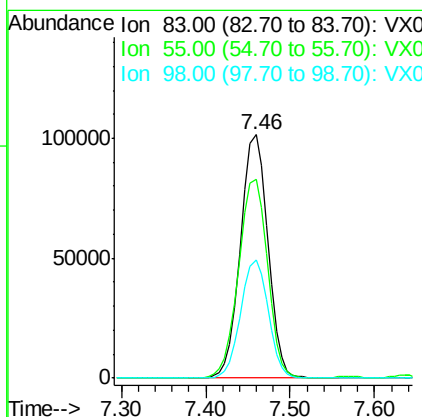
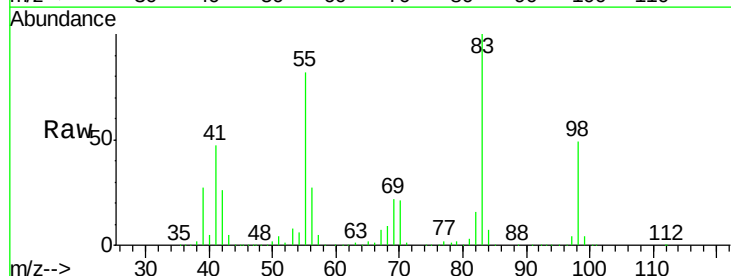
Instrument :
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 ClientSampleID :
 S13-0272DL

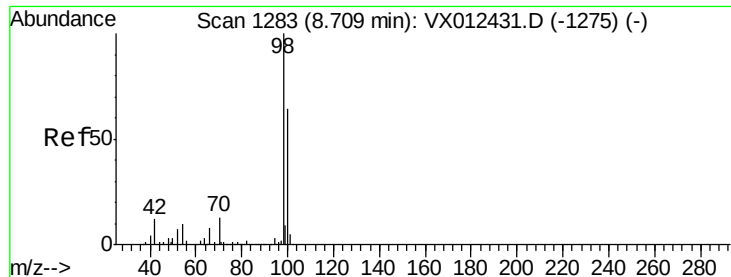
Tot Ion:113 Resp: 85341
 Ion Ratio Lower Upper
 113 100
 111 104.0 83.4 125.2
 192 18.7 14.4 21.6



#39
 Methylcyclohexane
 Concen: 130.885 ug/l
 RT: 7.46 min Scan# 1078
 Delta R.T. 0.00 min
 Lab File: VX012554.D
 Acq: 20 Sep 2019 14:02

Tgt Ion: 83 Resp: 223003
 Ion Ratio Lower Upper
 83 100
 55 81.8 64.4 96.6
 98 48.7 40.1 60.1

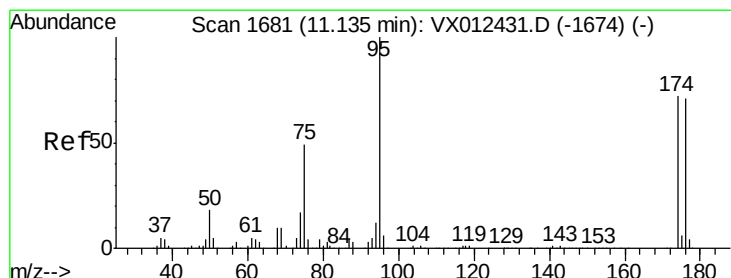
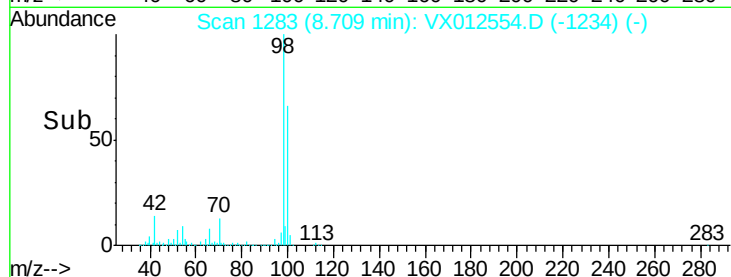
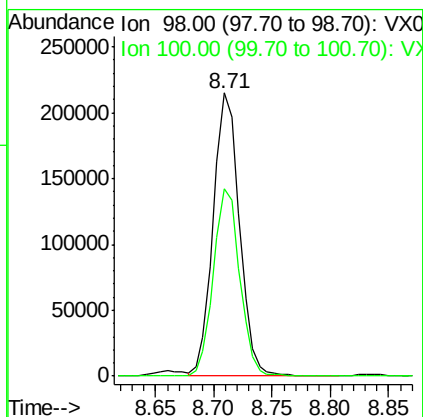
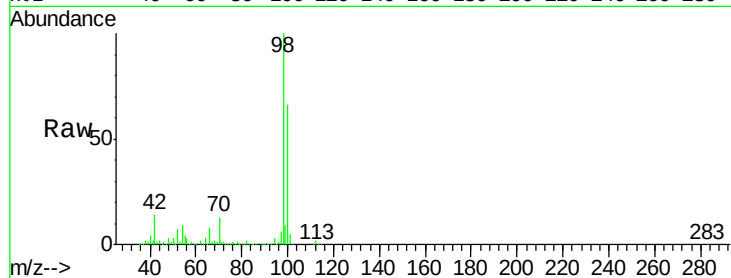




#50
Toluene-d8
Concen: 51.572 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX012554.D
Acq: 20 Sep 2019 14:02

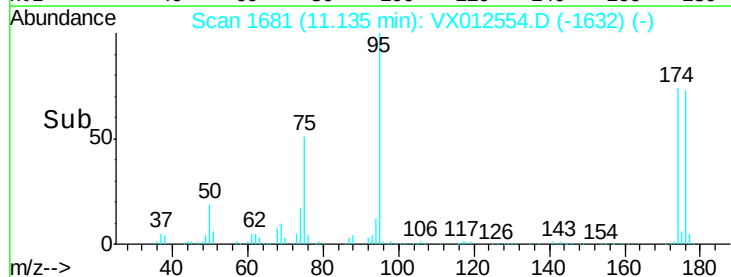
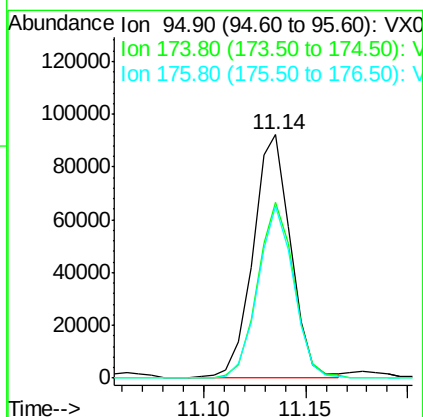
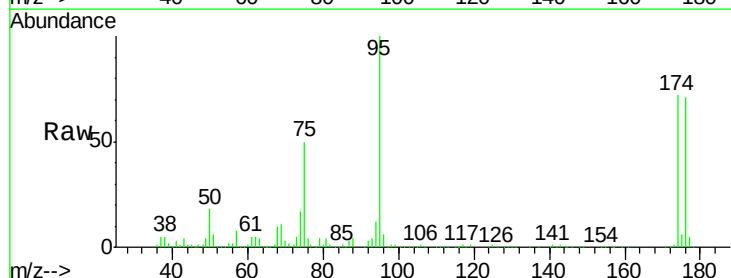
Instrument :
MSVOA_X
ClientSampleId :
S13-0272DL

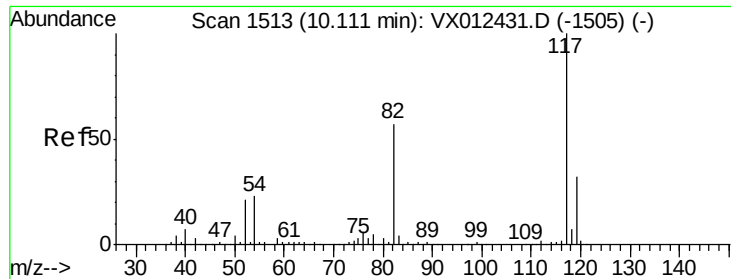
Tot Ion: 98 Resp: 333188
Ion Ratio Lower Upper
98 100
100 66.9 53.4 80.2



#62
4-Bromofluorobenzene
Concen: 43.615 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VX012554.D
Acq: 20 Sep 2019 14:02

Tgt Ion: 95 Resp: 117000
Ion Ratio Lower Upper
95 100
174 70.7 0.0 140.0
176 68.3 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: VX012554.D

Acq: 20 Sep 2019 14:02

Instrument :

MSVOA_X

ClientSampled :

S13-0272DL

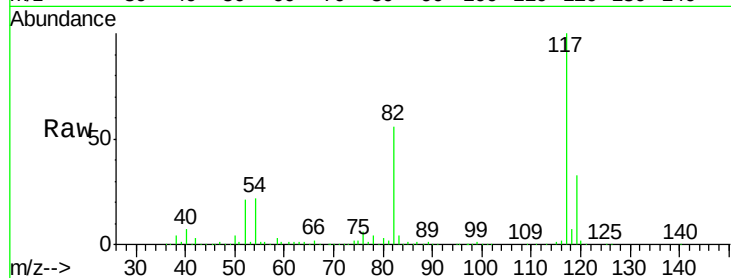
Tot Ion:117 Resp: 238283

Ion Ratio Lower Upper

117 100

82 56.0 45.9 68.9

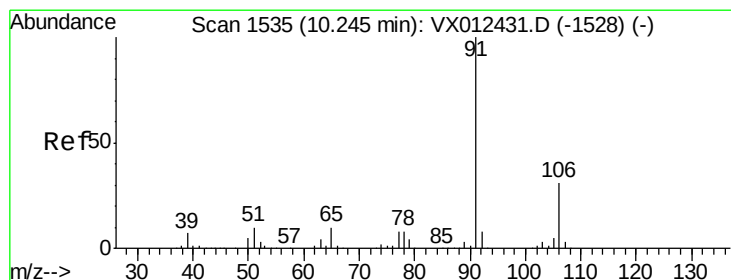
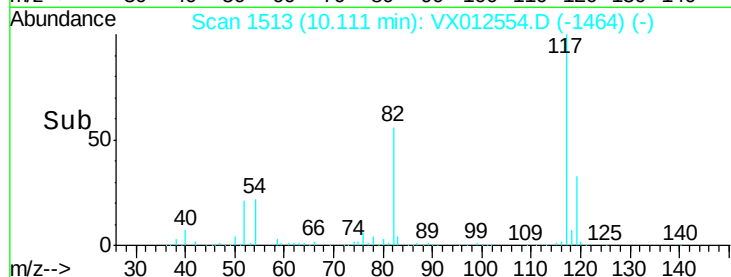
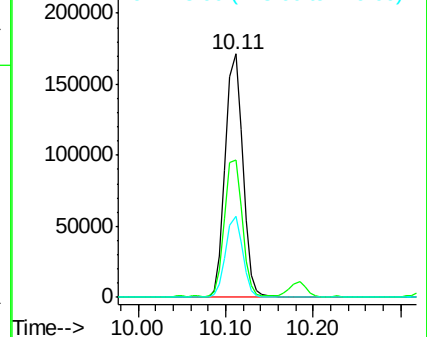
119 33.1 25.3 37.9



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V



#67

Ethyl Benzene

Concen: 17.145 ug/l

RT: 10.25 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VX012554.D

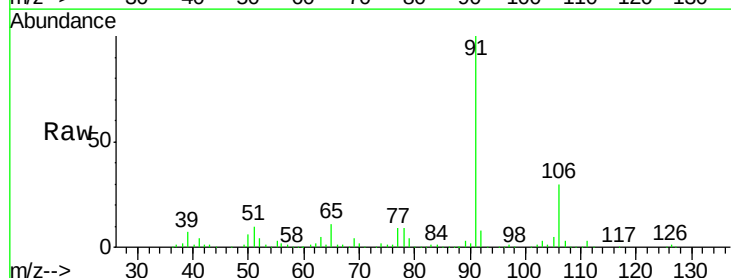
Acq: 20 Sep 2019 14:02

Tgt Ion: 91 Resp: 115850

Ion Ratio Lower Upper

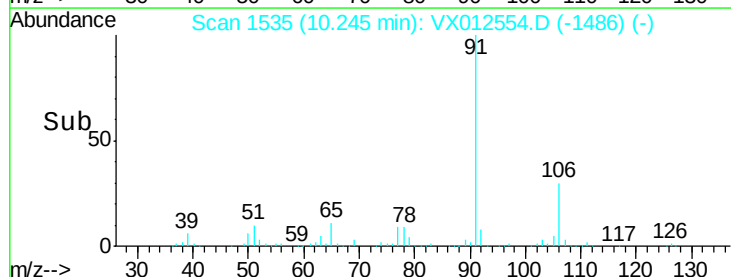
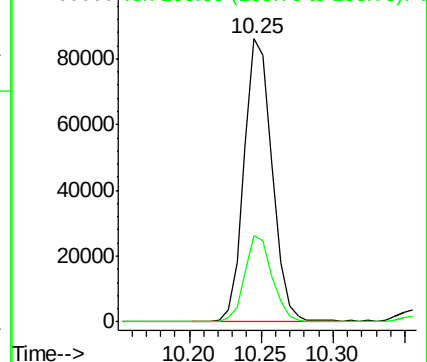
91 100

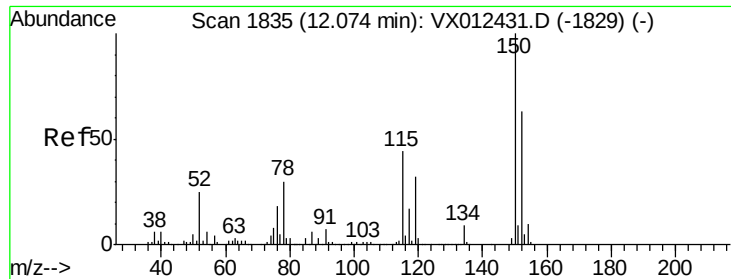
106 30.3 24.6 37.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V

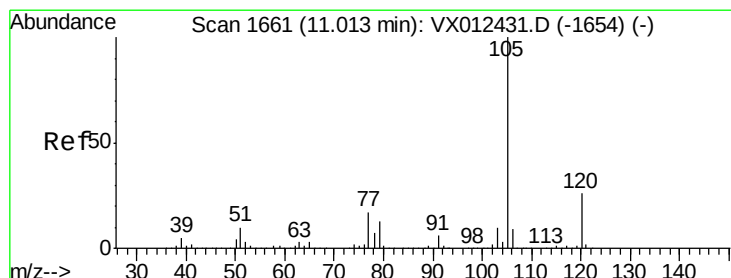
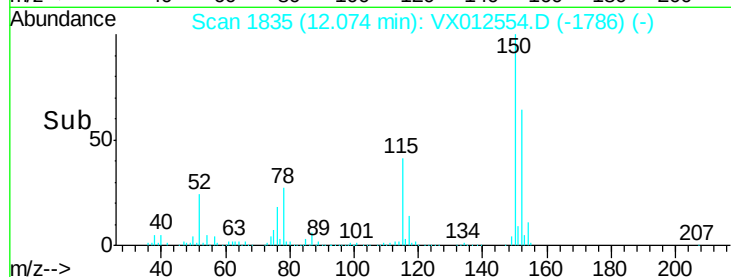
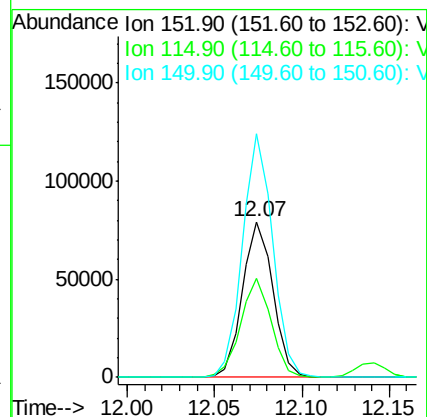
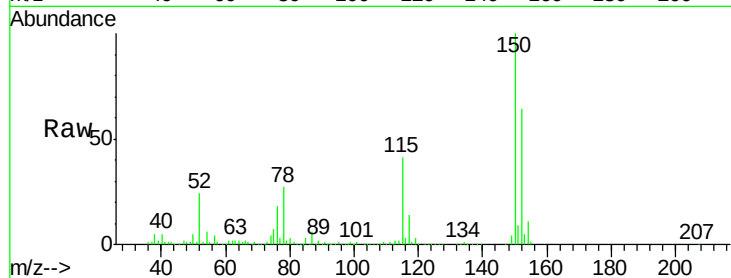




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.07 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: VX012554.D
 Acq: 20 Sep 2019 14:02

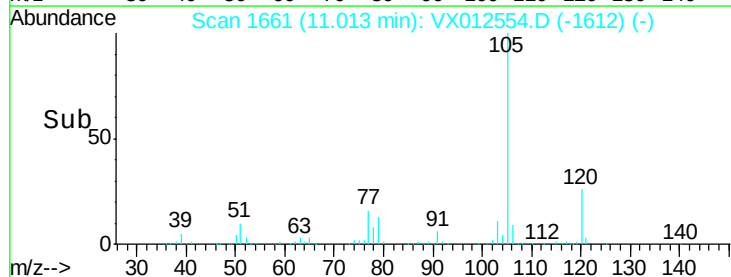
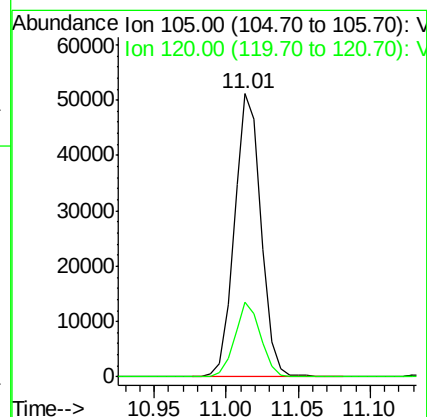
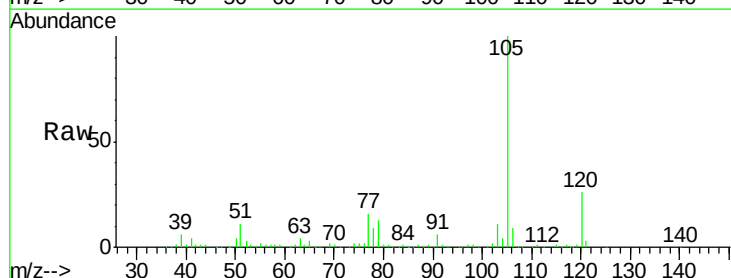
Instrument :
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 ClientSampleId :
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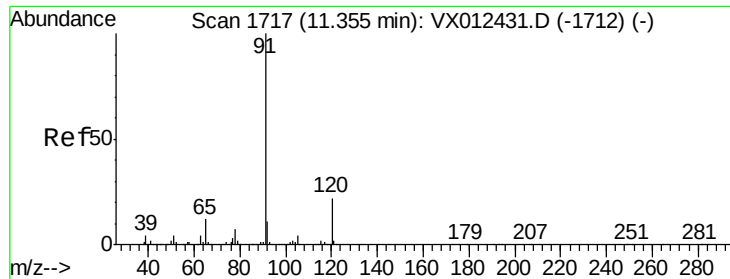
Tot Ion:152 Resp: 96334
 Ion Ratio Lower Upper
 152 100
 115 64.4 44.1 132.3
 150 154.8 0.0 343.8



#73
 Isopropylbenzene
 Concen: 10.904 ug/l
 RT: 11.01 min Scan# 1661
 Delta R.T. 0.00 min
 Lab File: VX012554.D
 Acq: 20 Sep 2019 14:02

Tgt Ion:105 Resp: 65907
 Ion Ratio Lower Upper
 105 100
 120 25.8 12.9 38.7





#78

n-propylbenzene

Concen: 16.420 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VX012554.D

Acq: 20 Sep 2019 14:02

Instrument :

MSVOA_X

ClientSampled :

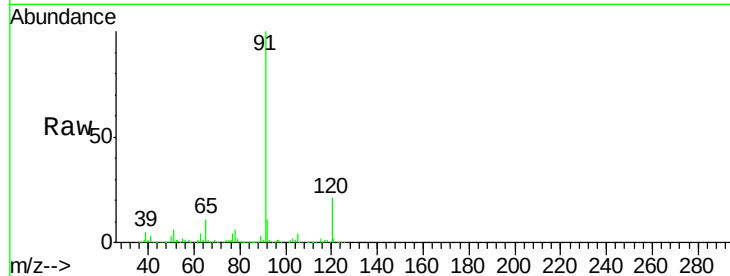
S13-0272DL

Tot Ion: 91 Resp: 110617

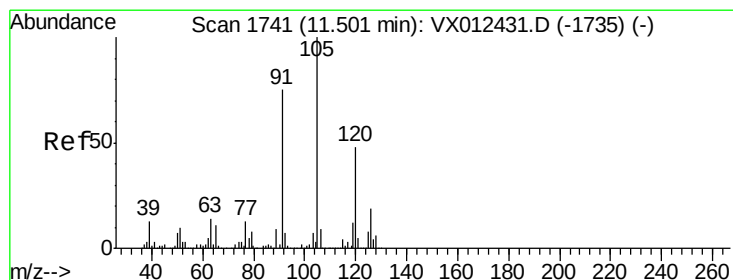
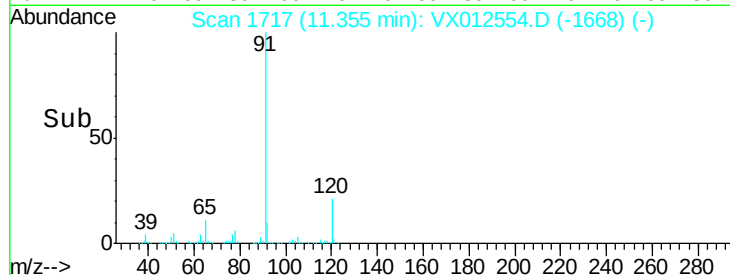
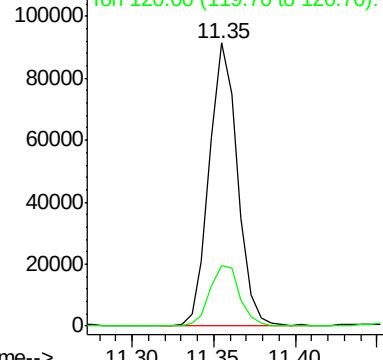
Ion Ratio Lower Upper

91 100

120 22.6 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VX012431.D (-1712) (-)



#80

1,3,5-Trimethylbenzene

Concen: 11.882 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX012554.D

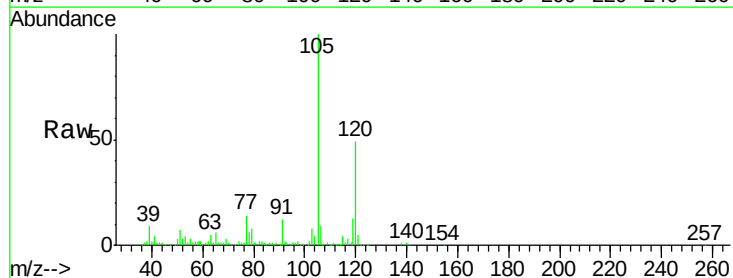
Acq: 20 Sep 2019 14:02

Tgt Ion: 105 Resp: 61248

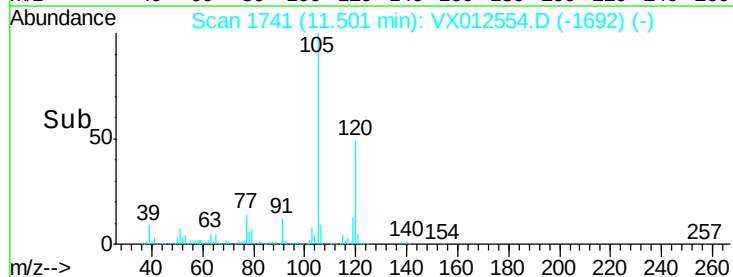
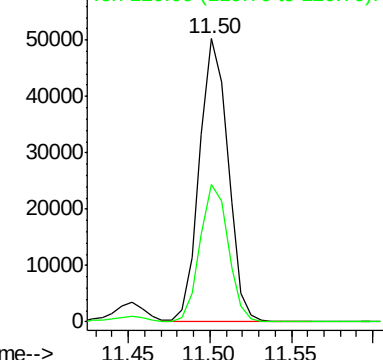
Ion Ratio Lower Upper

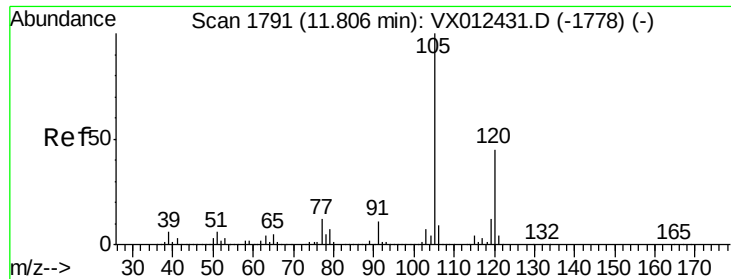
105 100

120 48.2 24.3 72.8



Abundance Ion 105.00 (104.70 to 105.70): VX012431.D (-1735) (-)

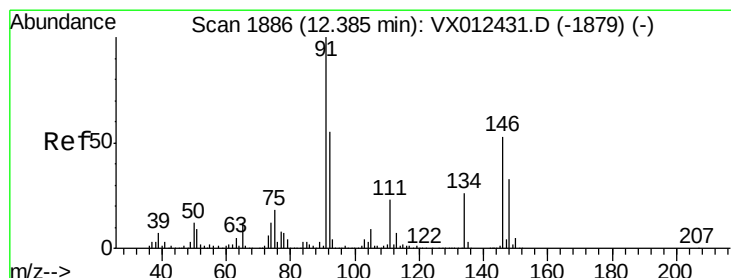
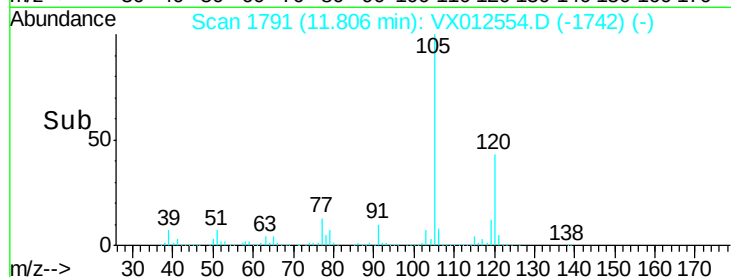
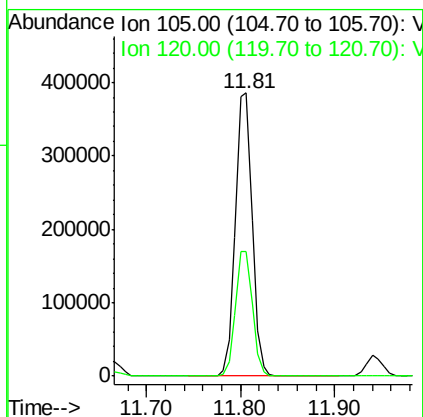
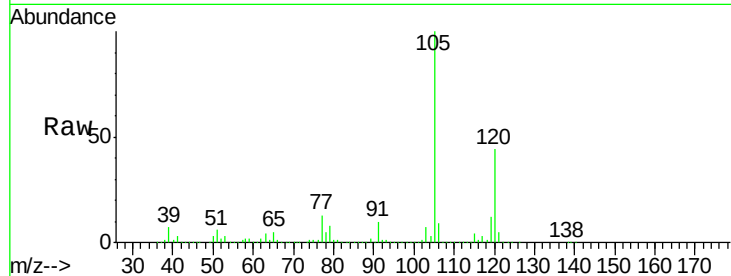




#84
 1,2,4-Trimethylbenzene
 Concen: 90.254 ug/l
 RT: 11.81 min Scan# 1791
 Delta R.T. 0.00 min
 Lab File: VX012554.D
 Acq: 20 Sep 2019 14:02

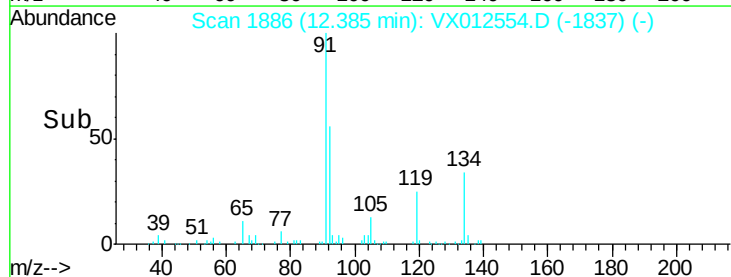
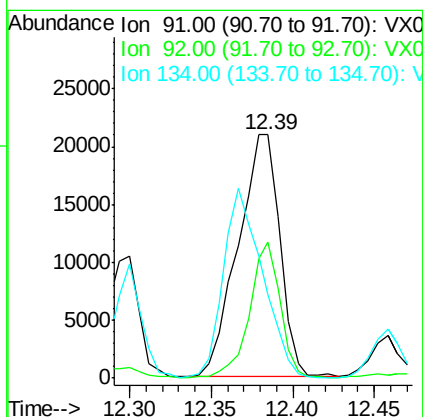
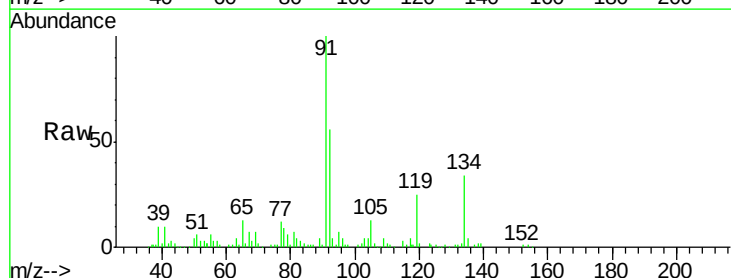
Instrument :
 MSVOA_X
 ClientSampled :
 S13-0272DL

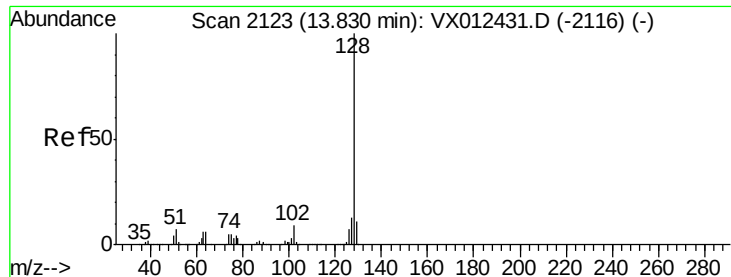
Tot Ion:105 Resp: 477705
 Ion Ratio Lower Upper
 105 100
 120 44.7 22.2 66.6



#89
 n-Butylbenzene
 Concen: 7.473 ug/l
 RT: 12.39 min Scan# 1886
 Delta R.T. 0.00 min
 Lab File: VX012554.D
 Acq: 20 Sep 2019 14:02

Tgt Ion: 91 Resp: 37267
 Ion Ratio Lower Upper
 91 100
 92 41.7 27.7 83.0
 134 73.6 12.9 38.6#





#95
Naphthalene
Concen: 16.166 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. 0.00 min
Lab File: VX012554.D
Acq: 20 Sep 2019 14:02

Instrument :
MSVOA_X
ClientSampleId :
S13-0272DL

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.8	10.2	15.4
129	13.6	8.8	13.2

