

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX031320\
 Data File : VX015274.D
 Acq On : 13 Mar 2020 22:07
 Operator : JC/SP
 Sample : VX0313WBL02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0313WBL02

Quant Time: Mar 16 08:29:05 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X031220W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Mar 12 14:12:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.01	128	52642	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.85	114	270294	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	262538	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.05	65	103348	29.10	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	97.00%
60) 4-Bromofluorobenzene	11.14	95	107245	25.66	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	85.53%
63) Toluene-d8	8.71	98	325809	28.97	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	96.57%

Target Compounds

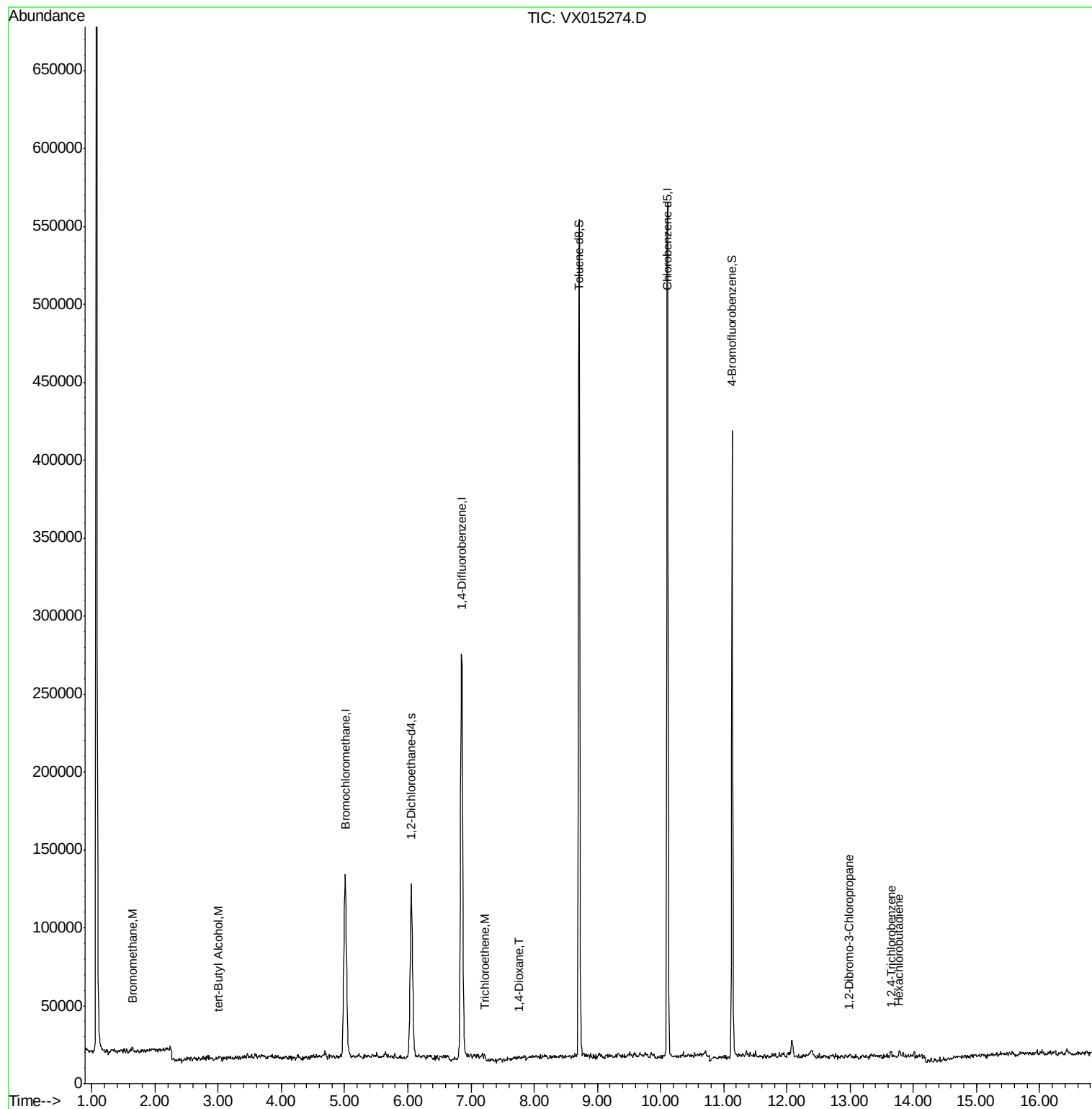
					Ovalue
5) Bromomethane	1.66	94	600	0.237 ug/l	87
23) tert-Butyl Alcohol	3.01	59	583	0.850 ug/l #	66
37) Trichloroethene	7.22	130	2277	0.655 ug/l	83
45) 1,4-Dioxane	7.75	88	84	1.200 ug/l #	1
88) 1,2-Dibromo-3-Chloropropan	12.99	75	240	0.237 ug/l #	36
89) 1,2,4-Trichlorobenzene	13.65	180	1069	0.203 ug/l	89
90) Hexachlorobutadiene	13.77	225	579	0.214 ug/l	69

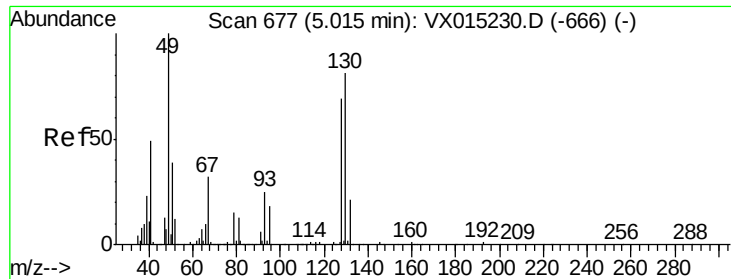
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Mar 16 08:29:05 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA X\METHOD\624X031220W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Mar 12 14:12:53 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 5.01 min Scan# 676

Delta R.T. -0.01 min

Lab File: VX015274.D

Acq: 13 Mar 2020 22:07

Instrument :

MSVOA_X

ClientSampleId :

VX0313WBL02

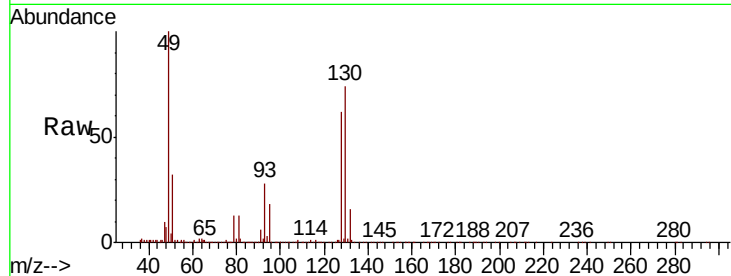
Tot Ion:128 Resp: 52642

Ion Ratio Lower Upper

128 100

49 165.7 0.0 406.8

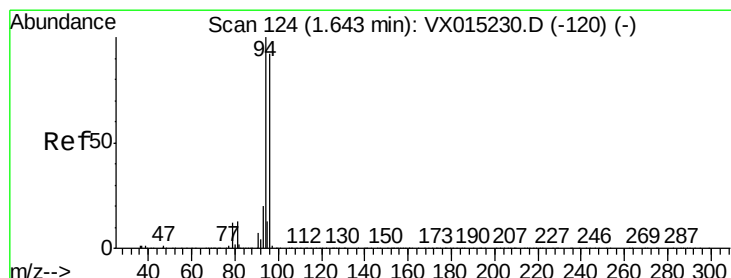
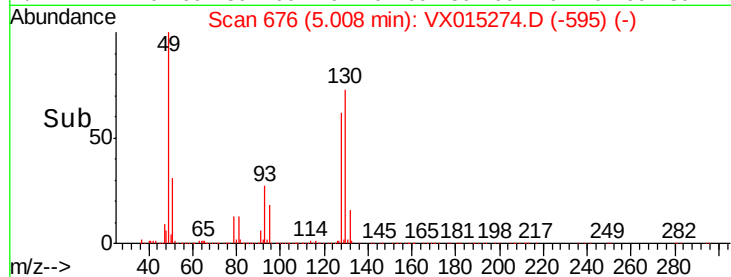
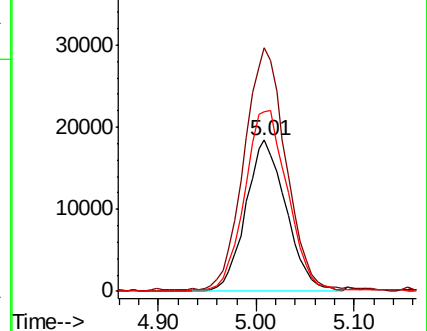
130 127.7 0.0 319.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VX0

Ion 130.00 (129.70 to 130.70): V



#5

Bromomethane

Concen: 0.237 ug/l

RT: 1.66 min Scan# 126

Delta R.T. 0.01 min

Lab File: VX015274.D

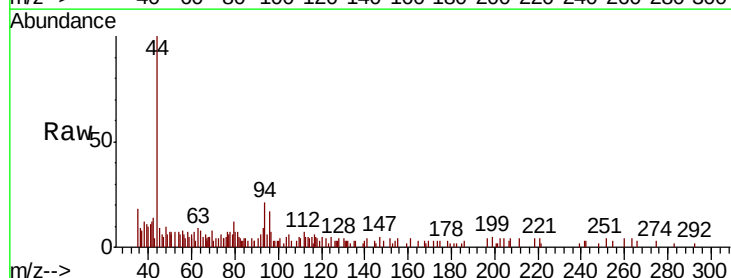
Acq: 13 Mar 2020 22:07

Tgt Ion: 94 Resp: 600

Ion Ratio Lower Upper

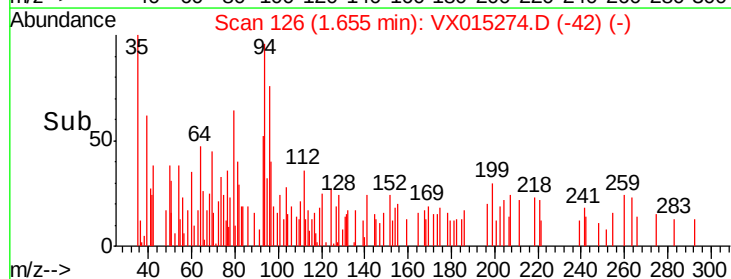
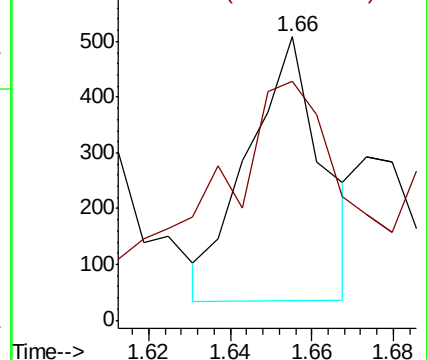
94 100

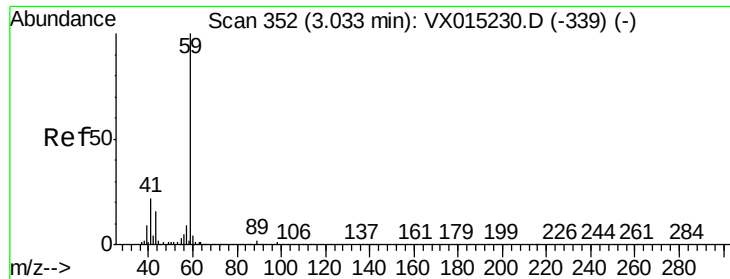
96 103.9 73.0 109.4



Abundance Ion 94.00 (93.70 to 94.70): VX0

Ion 96.00 (95.70 to 96.70): VX0



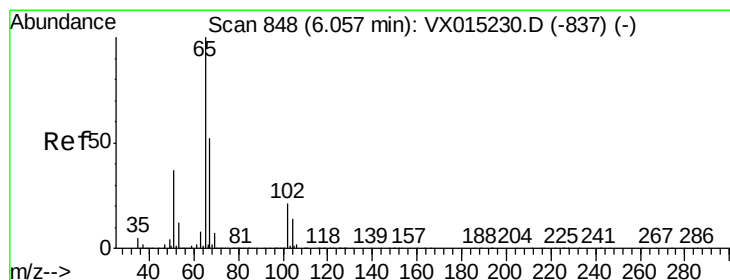
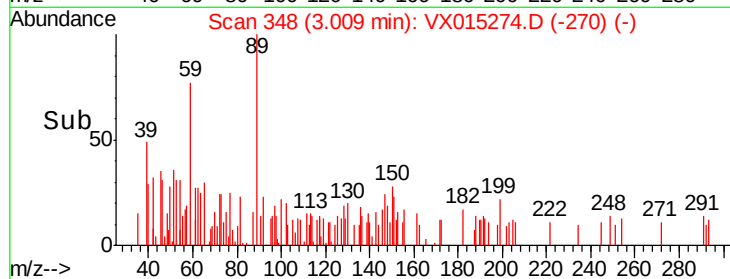
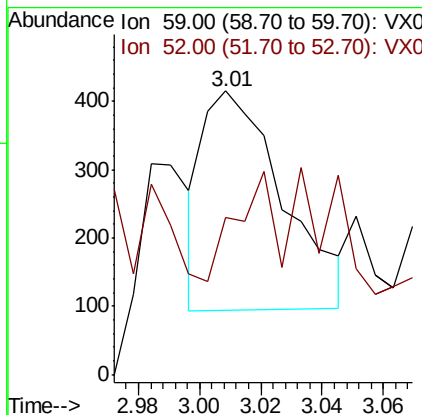
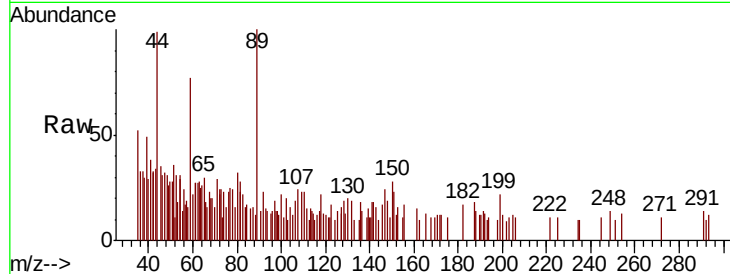


#23

tert-Butyl Alcohol
 Concen: 0.850 ug/l
 RT: 3.01 min Scan# 348
 Delta R.T. -0.02 min
 Lab File: VX015274.D
 Acq: 13 Mar 2020 22:07

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0313WBL02

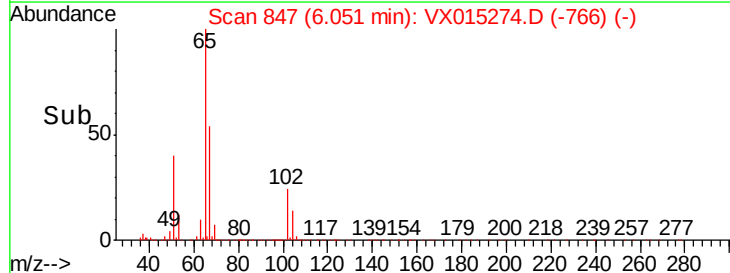
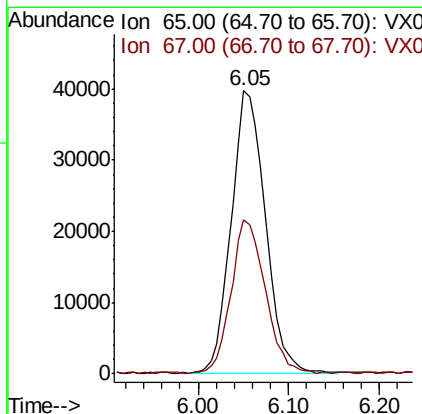
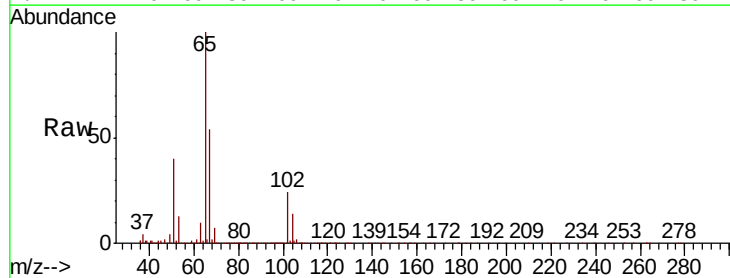
Tot Ion: 59 Resp: 583
 Ion Ratio Lower Upper
 59 100
 52 22.8 0.4 0.6#

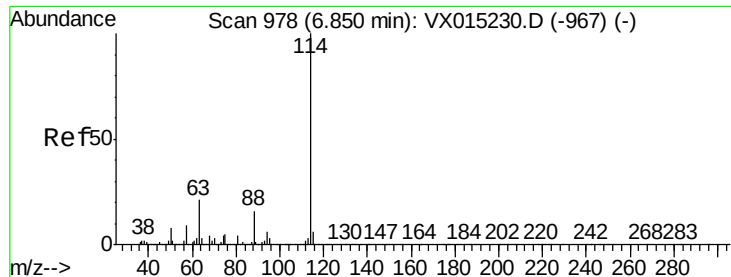


#27

1,2-Dichloroethane-d4
 Concen: 29.102 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. -0.01 min
 Lab File: VX015274.D
 Acq: 13 Mar 2020 22:07

Tgt Ion: 65 Resp: 103348
 Ion Ratio Lower Upper
 65 100
 67 54.3 43.5 65.3

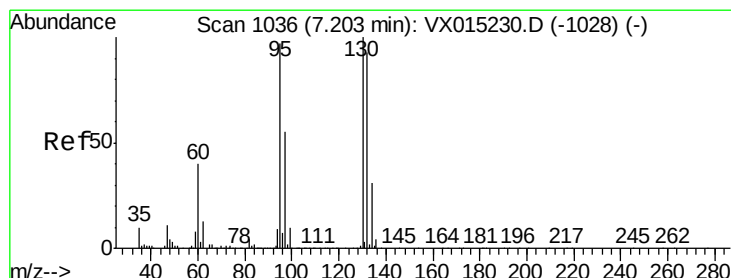
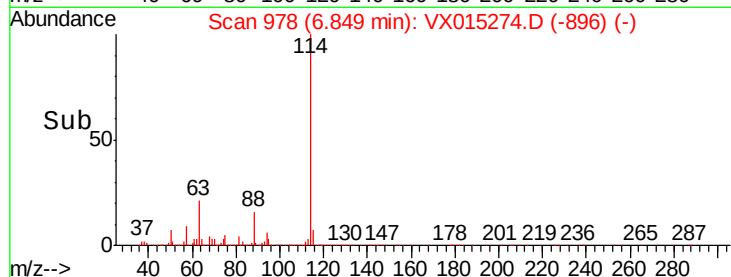
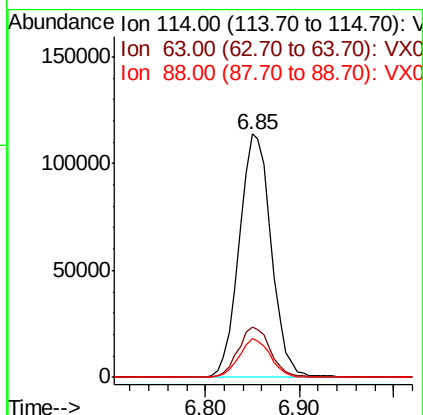
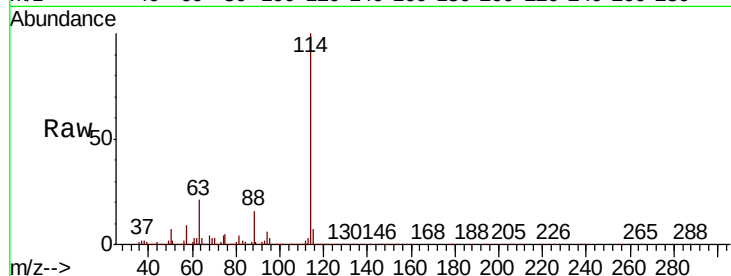




#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: VX015274.D
 Acq: 13 Mar 2020 22:07

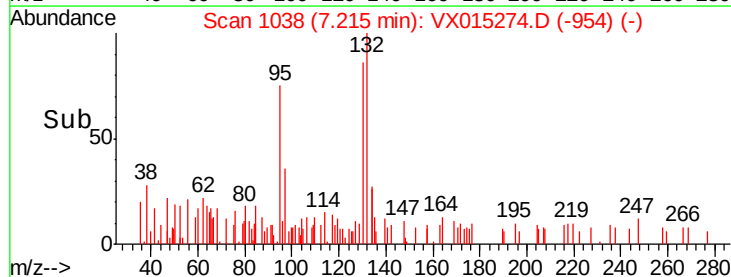
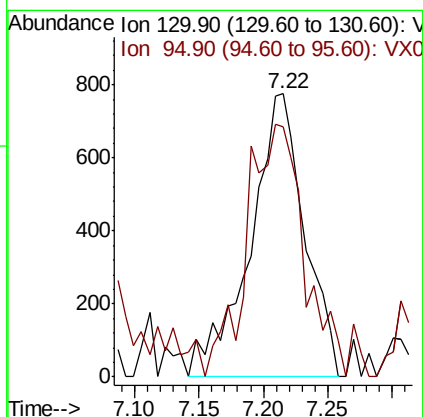
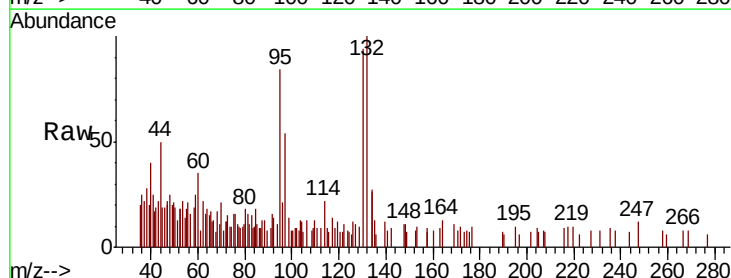
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0313WBL02

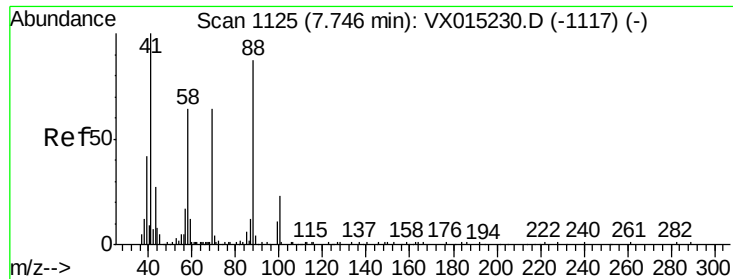
Tot Ion:114 Resp: 270294
 Ion Ratio Lower Upper
 114 100
 63 20.7 16.6 24.8
 88 15.5 12.6 19.0



#37
 Trichloroethene
 Concen: 0.655 ug/l
 RT: 7.22 min Scan# 1038
 Delta R.T. 0.01 min
 Lab File: VX015274.D
 Acq: 13 Mar 2020 22:07

Tgt Ion:130 Resp: 2277
 Ion Ratio Lower Upper
 130 100
 95 79.9 77.4 116.0

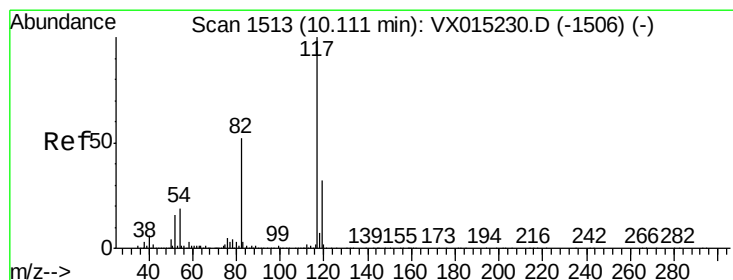
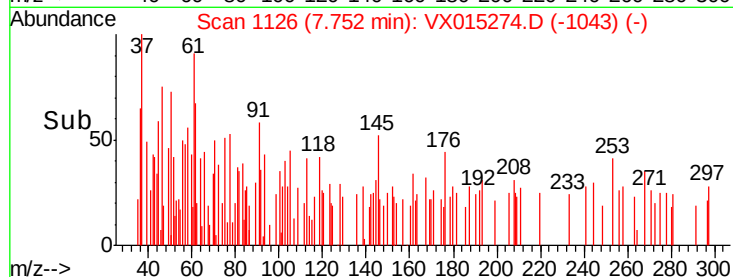
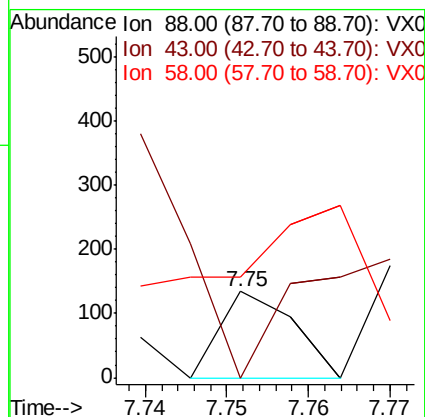
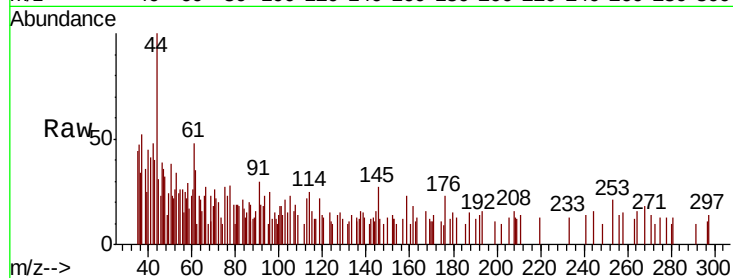




#45
1,4-Dioxane
Concen: 1.200 ug/l
RT: 7.75 min Scan# 1126
Delta R.T. 0.01 min
Lab File: VX015274.D
Acq: 13 Mar 2020 22:07

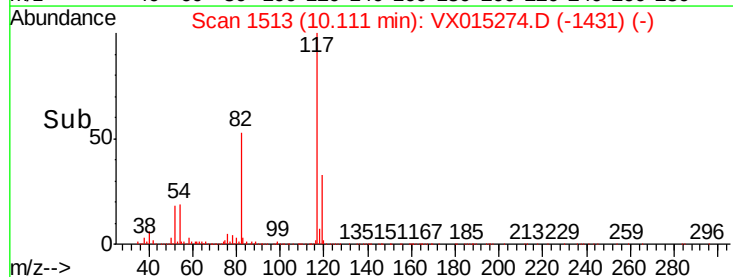
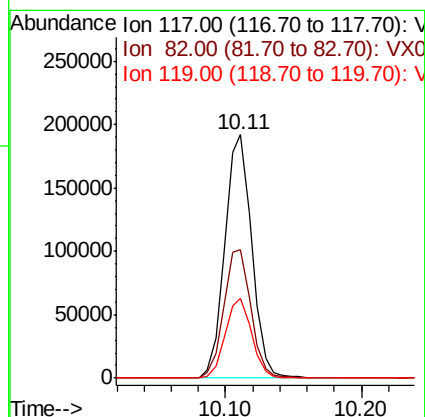
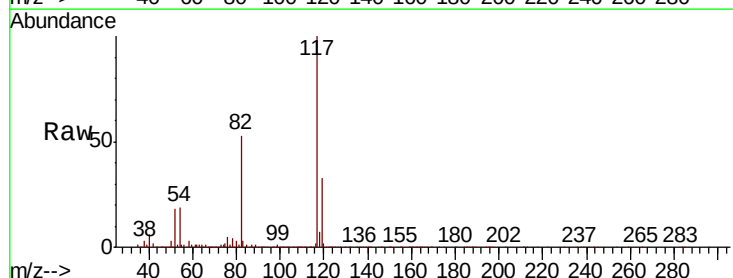
Instrument :
MSVOA_X
ClientSampled :
VX0313WBL02

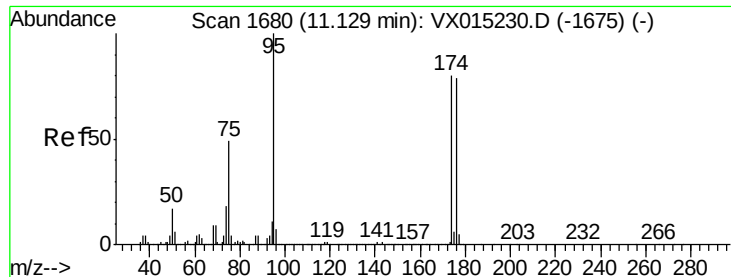
Tot Ion: 88 Resp: 84
Ion Ratio Lower Upper
88 100
43 332.1 26.4 39.6#
58 200.0 57.3 85.9#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX015274.D
Acq: 13 Mar 2020 22:07

Tgt Ion: 117 Resp: 262538
Ion Ratio Lower Upper
117 100
82 53.4 43.2 64.8
119 32.3 25.8 38.8

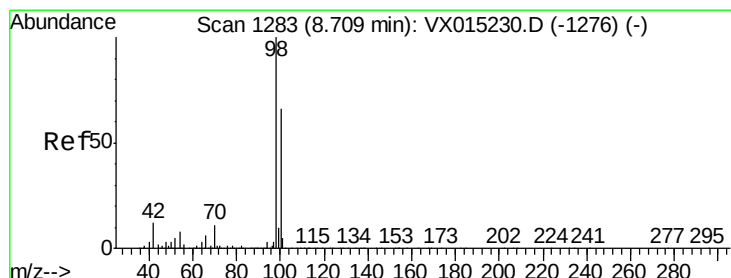
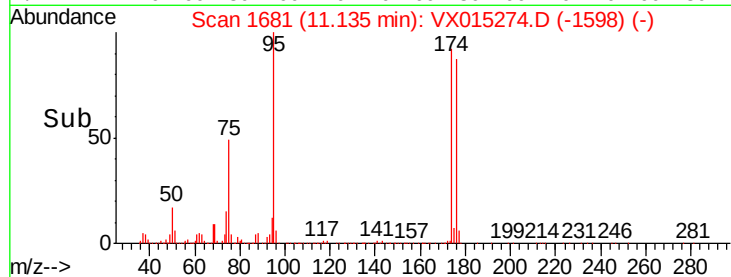
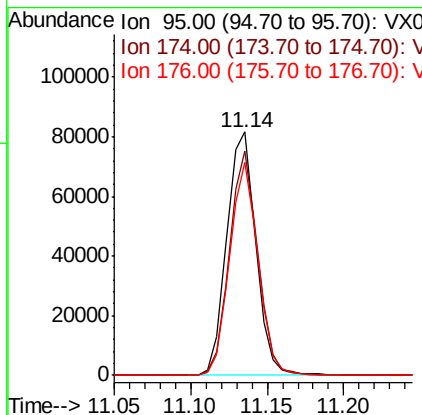
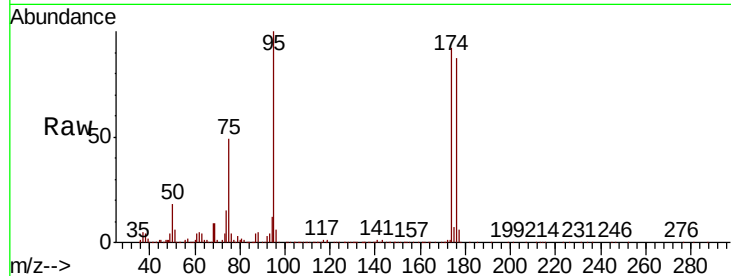




#60
4-Bromofluorobenzene
Concen: 25.661 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. 0.01 min
Lab File: VX015274.D
Acq: 13 Mar 2020 22:07

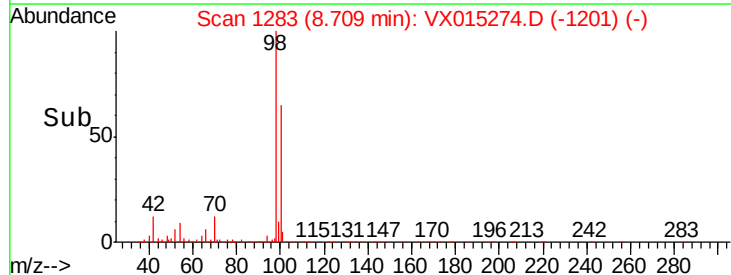
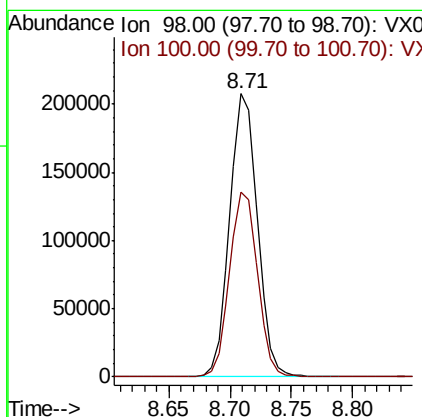
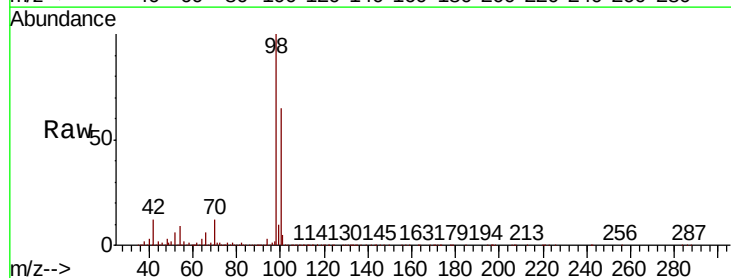
Instrument :
MSVOA_X
ClientSampleId :
VX0313WBL02

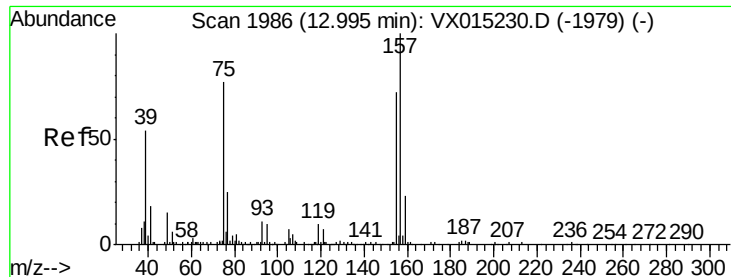
Tot Ion: 95 Resp: 107245
Ion Ratio Lower Upper
95 100
174 90.5 72.0 108.0
176 84.9 70.1 105.1



#63
Toluene-d8
Concen: 28.972 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX015274.D
Acq: 13 Mar 2020 22:07

Tgt Ion: 98 Resp: 325809
Ion Ratio Lower Upper
98 100
100 65.4 53.0 79.4

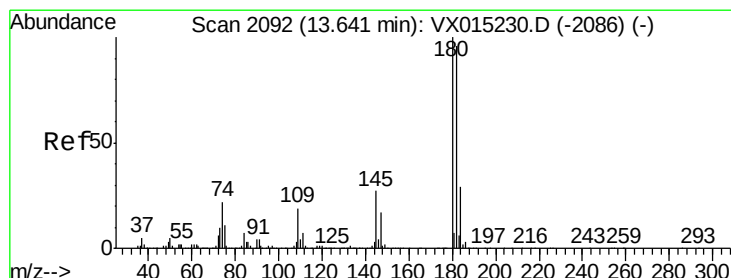
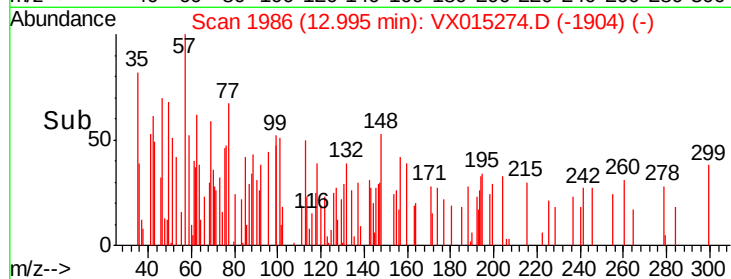
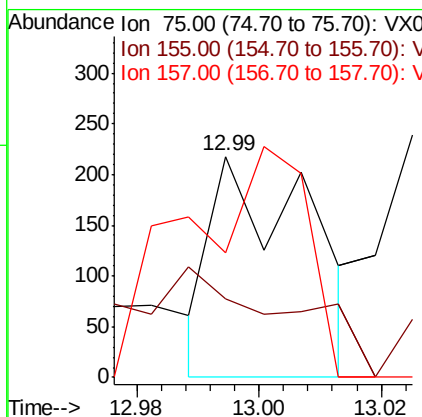
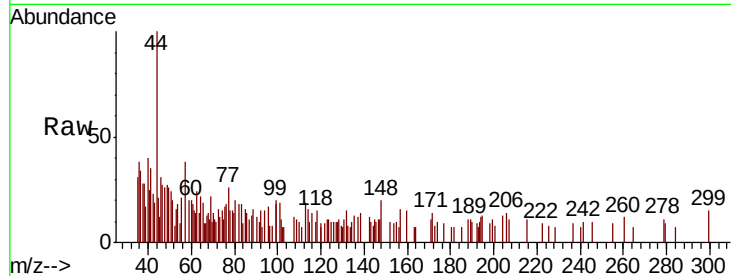




#88
 1,2-Dibromo-3-Chloropropane
 Concen: 0.237 ug/l
 RT: 12.99 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VX015274.D
 Acq: 13 Mar 2020 22:07

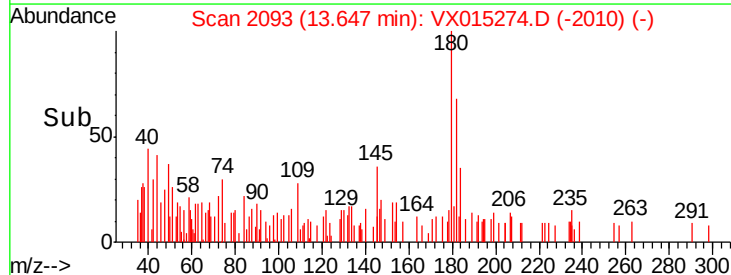
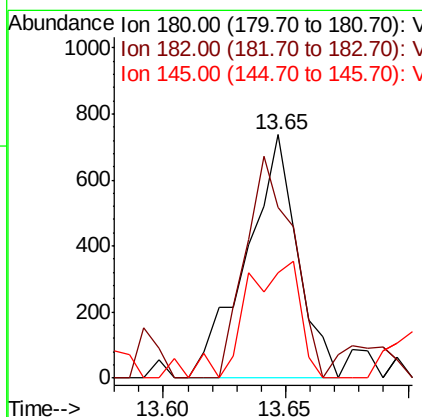
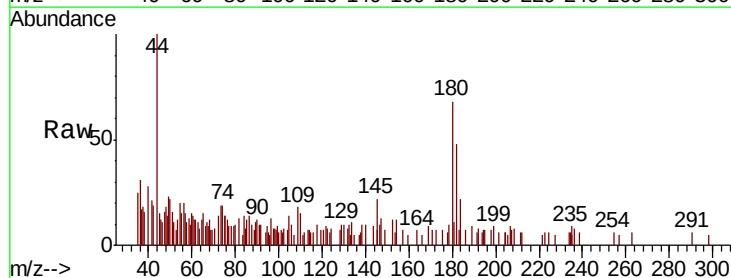
Instrument :
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 ClientSampleId :
 VX0313WBL02

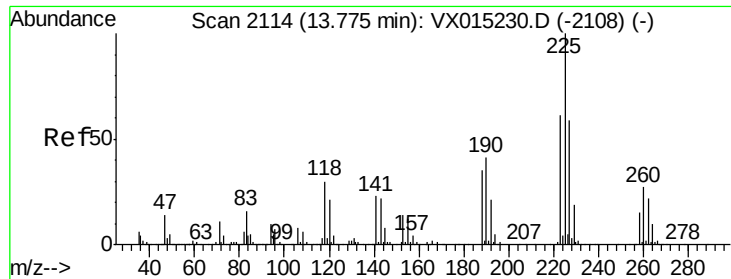
Tot Ion: 75 Resp: 240
 Ion Ratio Lower Upper
 75 100
 155 20.8 77.5 116.3#
 157 65.4 103.0 154.4#



#89
 1,2,4-Trichlorobenzene
 Concen: 0.203 ug/l
 RT: 13.65 min Scan# 2093
 Delta R.T. 0.01 min
 Lab File: VX015274.D
 Acq: 13 Mar 2020 22:07

Tgt Ion: 180 Resp: 1069
 Ion Ratio Lower Upper
 180 100
 182 84.0 76.6 115.0
 145 25.3 22.7 34.1





#90

Hexachlorobutadiene

Concen: 0.214 ug/l

RT: 13.77 min Scan# 2114

Delta R.T. -0.00 min

Lab File: VX015274.D

Acq: 13 Mar 2020 22:07

Instrument :

MSVOA_X

ClientSampleId :

VX0313WBL02

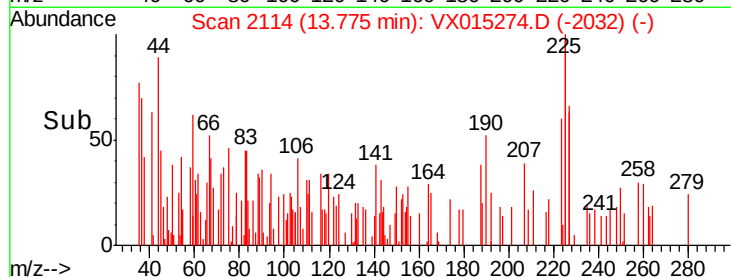
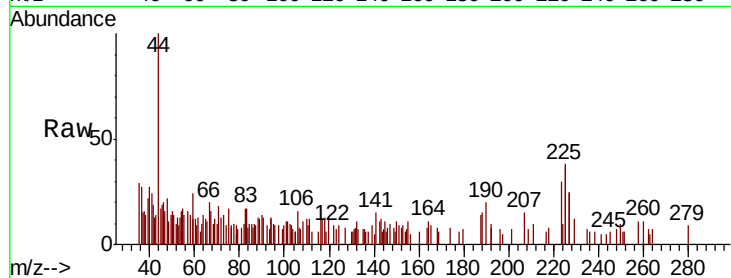
Tot Ion:225 Resp: 579

Ion Ratio Lower Upper

225 100

223 71.2 0.0 125.0

227 101.7 0.0 126.2



Abundance Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V

