

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX041720\
 Data File : VX015732.D
 Acq On : 17 Apr 2020 13:01
 Operator : JC/SP
 Sample : VX0417WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Apr 20 01:05:48 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X032520W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Mar 26 02:31:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	4.98	128	199538	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.83	114	1111852	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.10	117	1024373	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.03	65	449412	28.82	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	96.07%
60) 4-Bromofluorobenzene	11.12	95	500197	28.53	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	95.10%
63) Toluene-d8	8.70	98	1294436	29.74	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.13%

Target Compounds

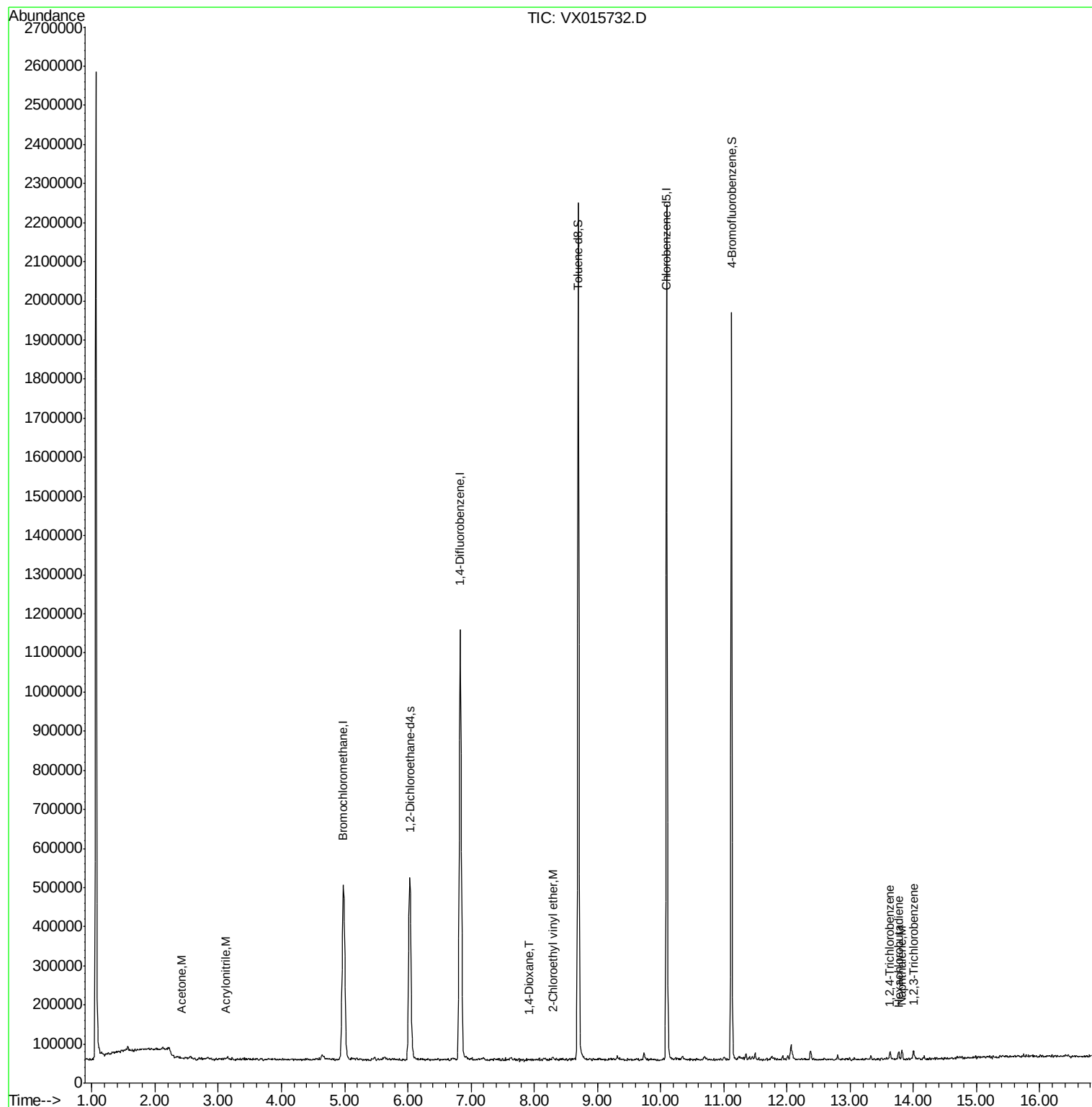
					Ovalue
14) Acrylonitrile	3.12	53	2451	0.360 ug/l	80
15) Acetone	2.42	58	655	0.378 ug/l #	13
45) 1,4-Dioxane	7.92	88	579	1.793 ug/l	94
55) 2-Chloroethyl vinyl ether	8.29	63	2700	0.269 ug/l #	86
89) 1,2,4-Trichlorobenzene	13.63	180	6377	0.289 ug/l	95
90) Hexachlorobutadiene	13.76	225	3551	0.306 ug/l	91
91) Naphthalene	13.82	128	16059	0.251 ug/l #	91
92) 1,2,3-Trichlorobenzene	14.00	180	6032	0.275 ug/l	92

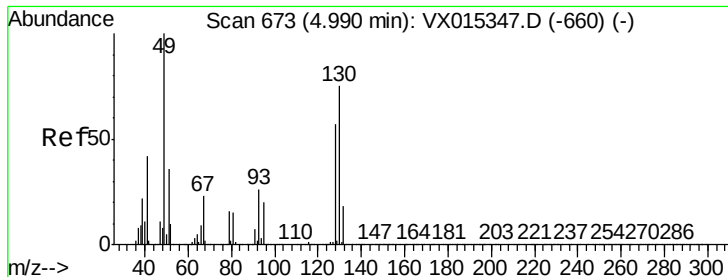
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

Quant Time: Apr 20 01:05:48 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA X\METHOD\624X032520W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Mar 26 02:31:53 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 4.98 min Scan# 672

Delta R.T. -0.01 min

Lab File: VX015732.D

Acq: 17 Apr 2020 13:01

Instrument :

MSVOA_X

ClientSampleId :

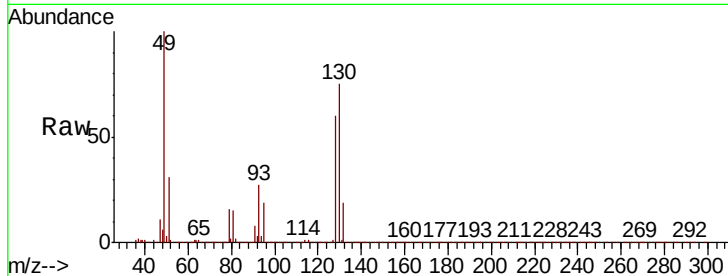
Tot Ion:128 Resp: 199538

Ion Ratio Lower Upper

128 100

49 166.4 0.0 428.0

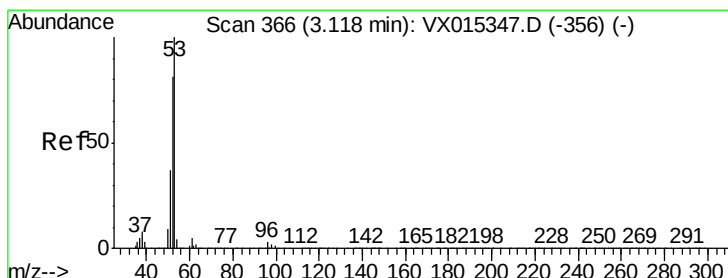
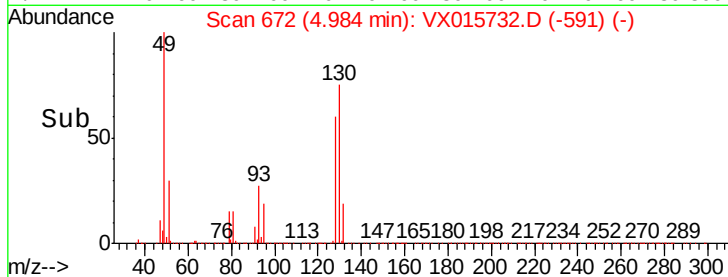
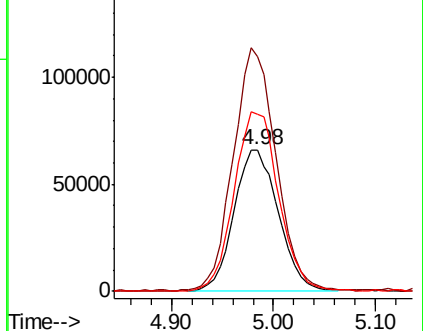
130 127.3 0.0 324.5



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



#14

Acrylonitrile

Concen: 0.360 ug/l

RT: 3.12 min Scan# 366

Delta R.T. -0.00 min

Lab File: VX015732.D

Acq: 17 Apr 2020 13:01

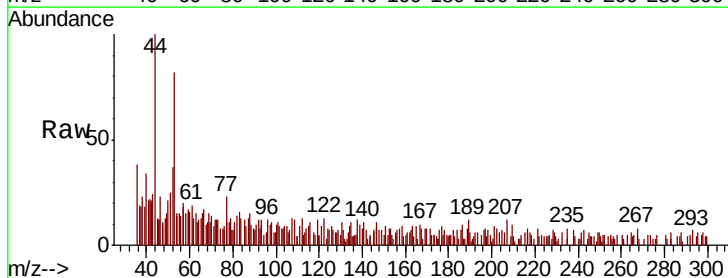
Tgt Ion: 53 Resp: 2451

Ion Ratio Lower Upper

53 100

52 67.0 41.0 123.2

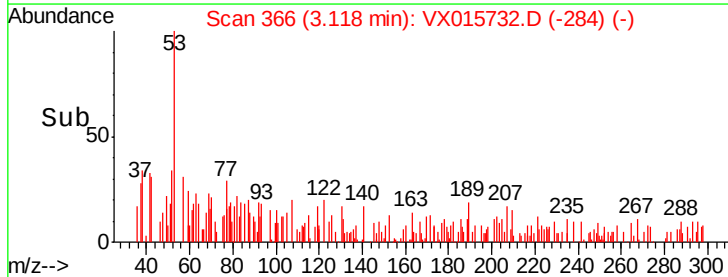
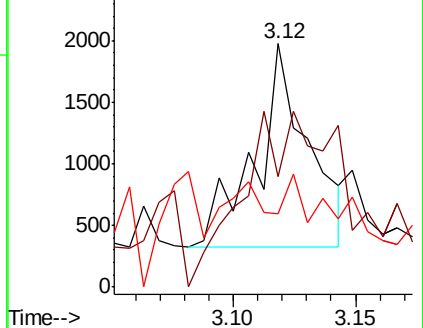
51 20.9 18.4 55.4

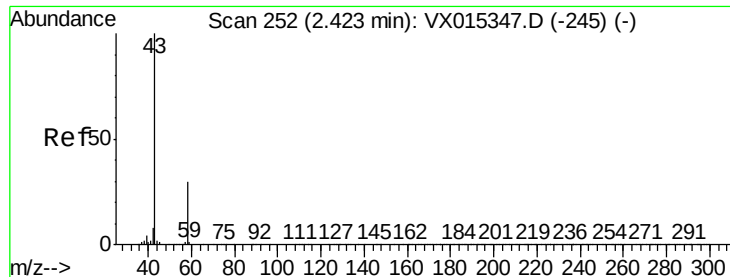


Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0

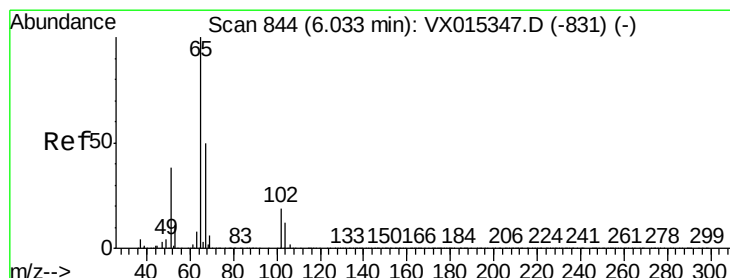
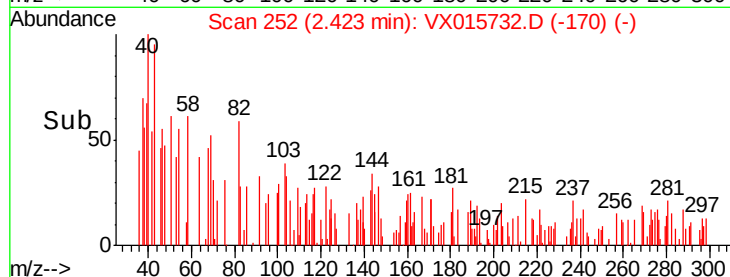
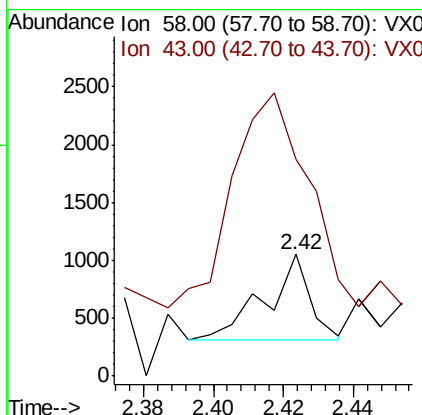
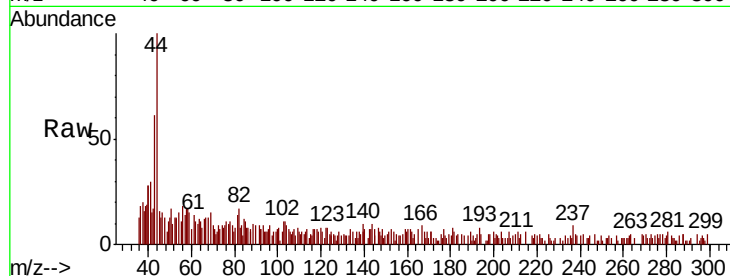




#15
Acetone
Concen: 0.378 ug/l
RT: 2.42 min Scan# 252
Delta R.T. 0.00 min
Lab File: VX015732.D
Acq: 17 Apr 2020 13:01

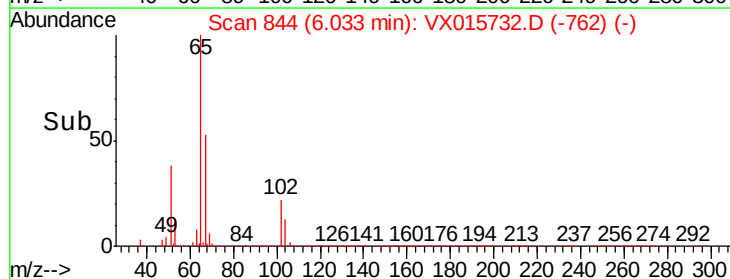
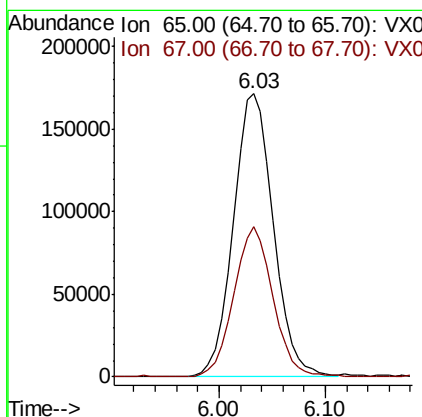
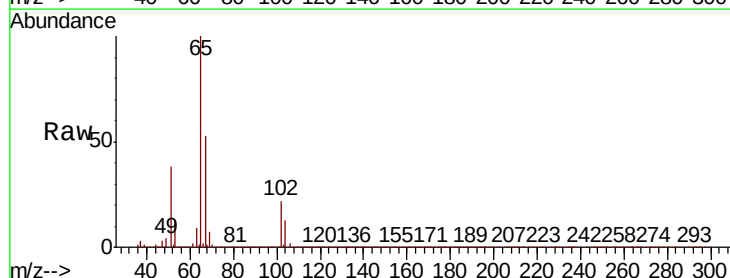
Instrument :
MSVOA_X
ClientSampled :

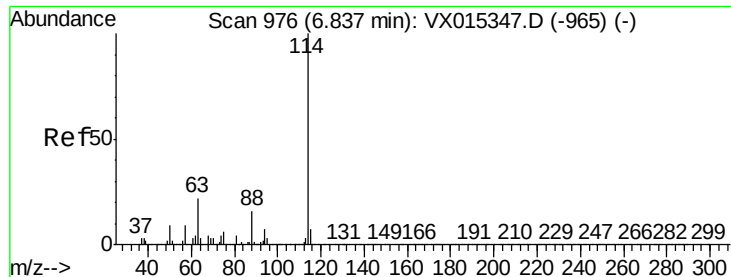
Tot Ion: 58 Resp: 655
Ion Ratio Lower Upper
58 100
43 151.6 267.8 401.8#



#27
1,2-Dichloroethane-d4
Concen: 28.823 ug/l
RT: 6.03 min Scan# 844
Delta R.T. 0.00 min
Lab File: VX015732.D
Acq: 17 Apr 2020 13:01

Tgt Ion: 65 Resp: 449412
Ion Ratio Lower Upper
65 100
67 52.0 40.9 61.3

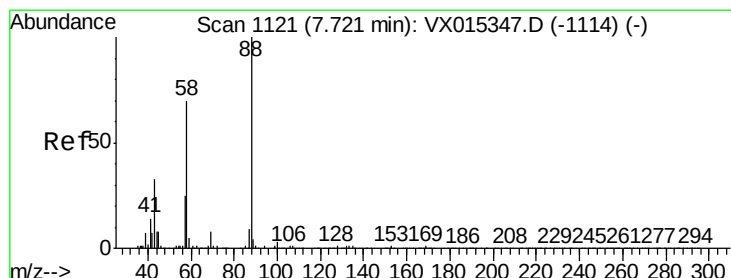
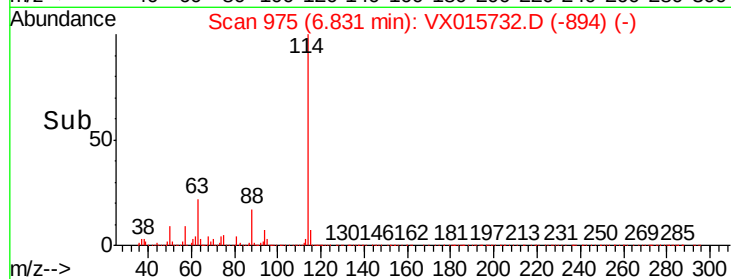
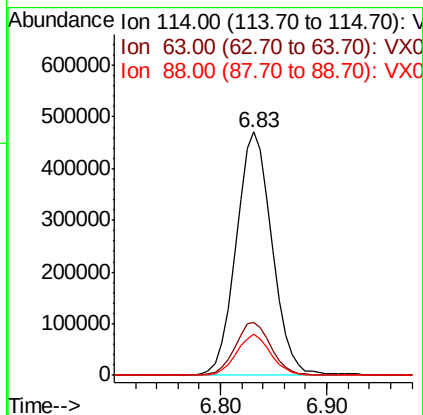
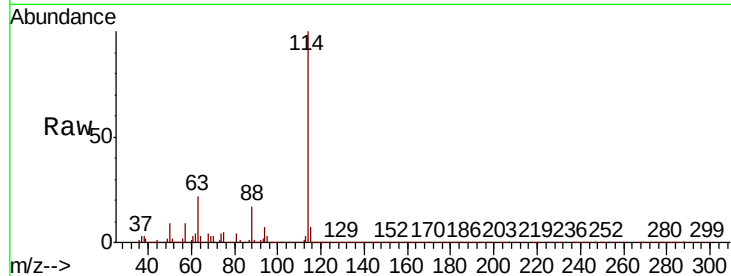




#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.83 min Scan# 975
 Delta R.T. -0.01 min
 Lab File: VX015732.D
 Acq: 17 Apr 2020 13:01

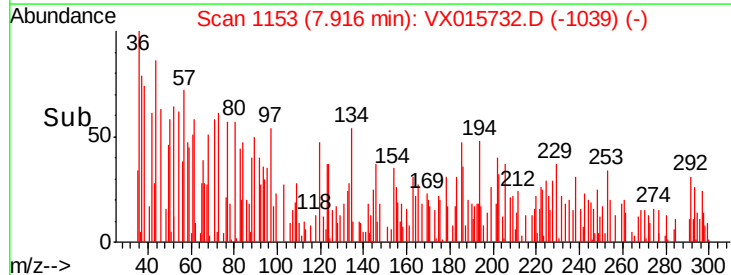
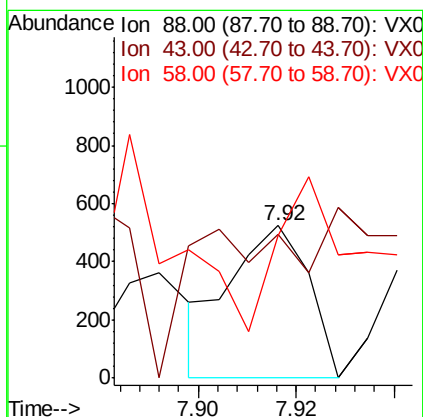
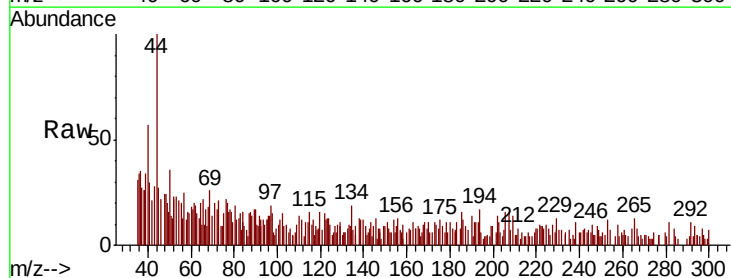
Instrument :
 MSVOA_X
 ClientSampleId :

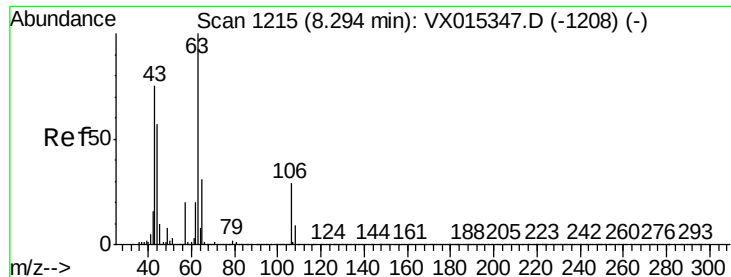
Tot Ion:114 Resp: 1111852
 Ion Ratio Lower Upper
 114 100
 63 21.5 17.4 26.2
 88 16.3 12.9 19.3



#45
 1,4-Dioxane
 Concen: 1.793 ug/l
 RT: 7.92 min Scan# 1153
 Delta R.T. 0.20 min
 Lab File: VX015732.D
 Acq: 17 Apr 2020 13:01

Tgt Ion: 88 Resp: 579
 Ion Ratio Lower Upper
 88 100
 43 34.2 32.1 48.1
 58 71.2 59.4 89.0

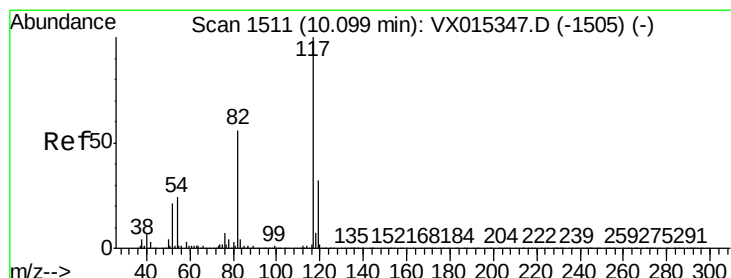
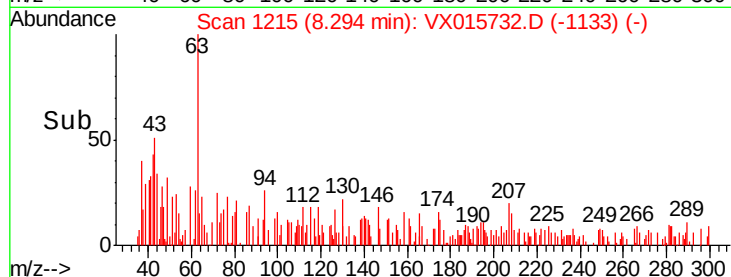
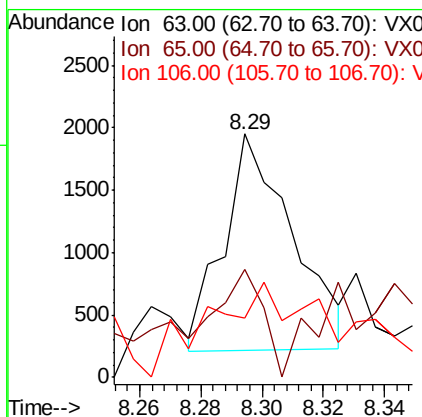
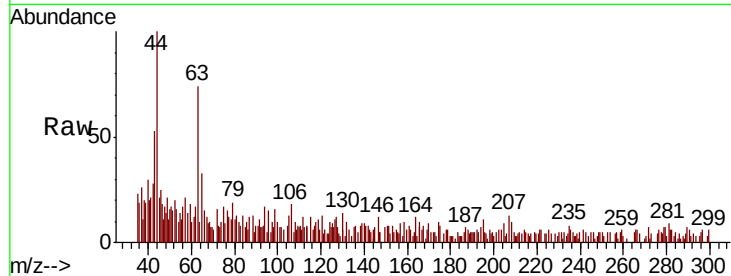




#55
2-Chloroethyl vinyl ether
Concen: 0.269 ug/l
RT: 8.29 min Scan# 1215
Delta R.T. -0.00 min
Lab File: VX015732.D
Acq: 17 Apr 2020 13:01

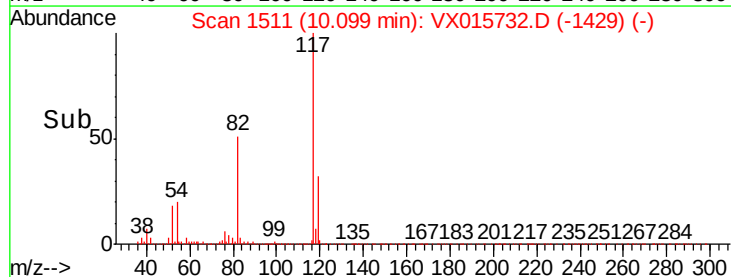
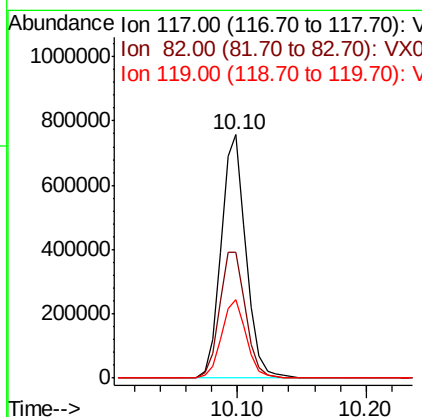
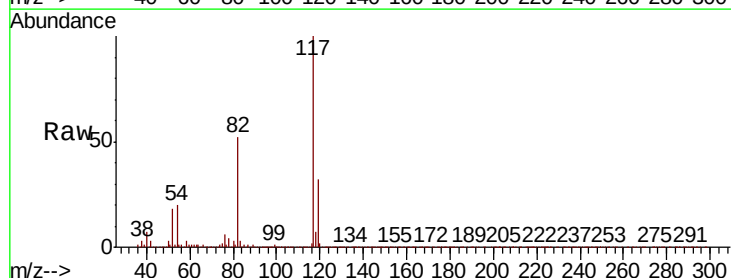
Instrument :
MSVOA_X
ClientSampleId :

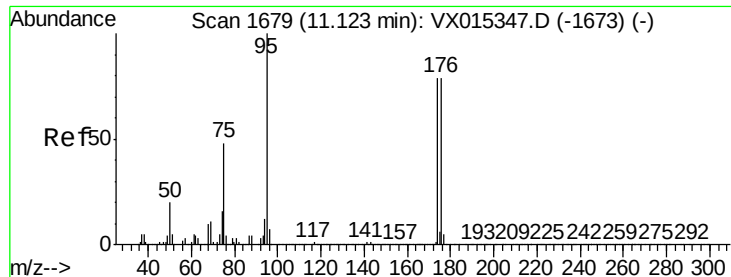
Tot Ion: 63 Resp: 2700
Ion Ratio Lower Upper
63 100
65 33.8 25.5 38.3
106 15.8 23.1 34.7#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.10 min Scan# 1511
Delta R.T. 0.00 min
Lab File: VX015732.D
Acq: 17 Apr 2020 13:01

Tgt Ion: 117 Resp: 1024373
Ion Ratio Lower Upper
117 100
82 54.2 45.0 67.6
119 32.3 25.5 38.3

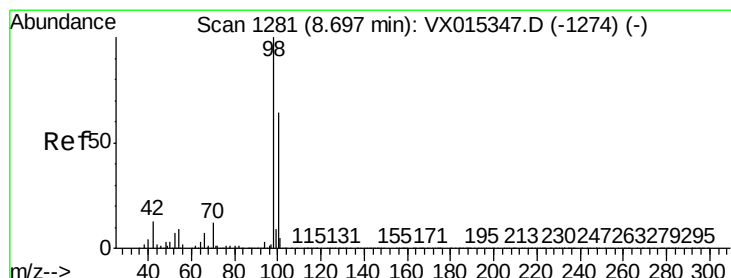
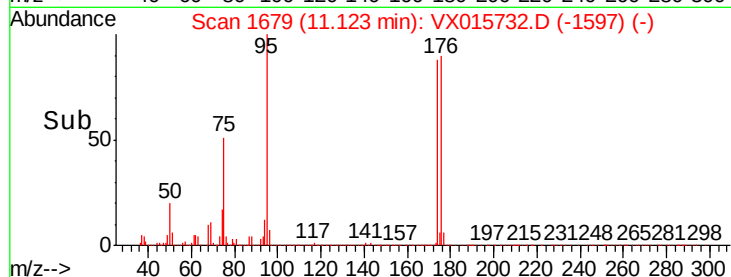
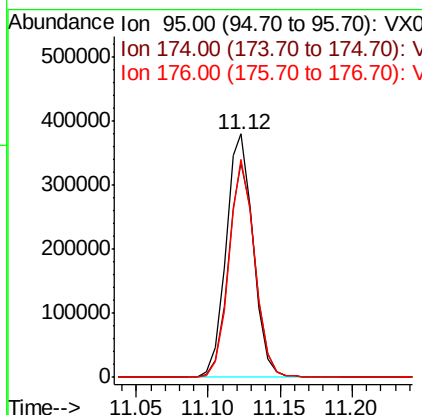
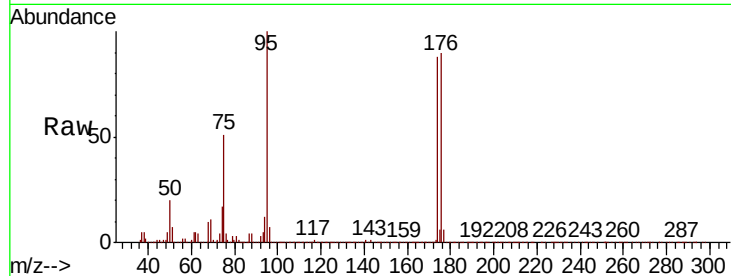




#60
4-Bromofluorobenzene
Concen: 28.532 ug/l
RT: 11.12 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VX015732.D
Acq: 17 Apr 2020 13:01

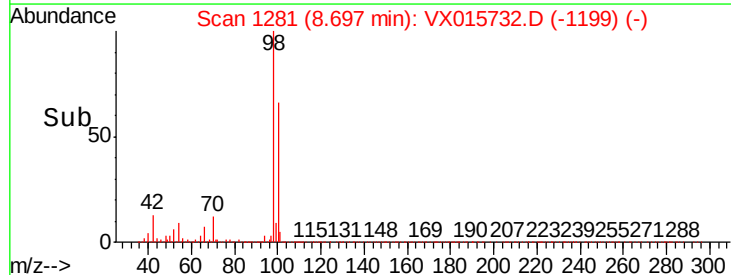
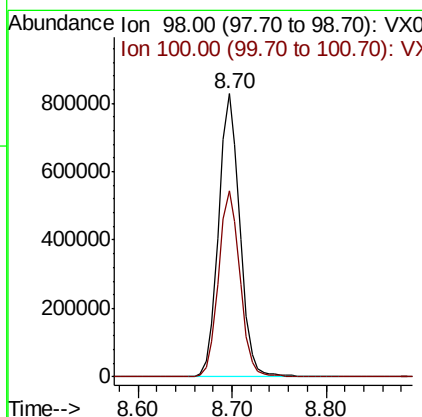
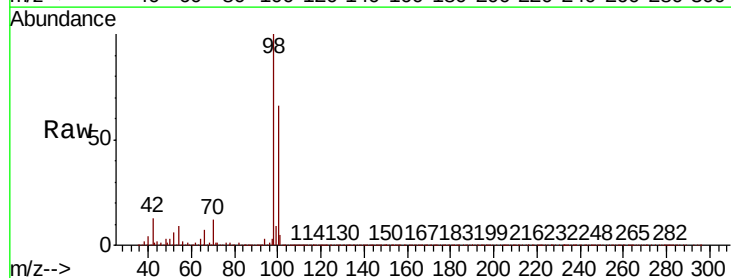
Instrument :
MSVOA_X
ClientSampleId :

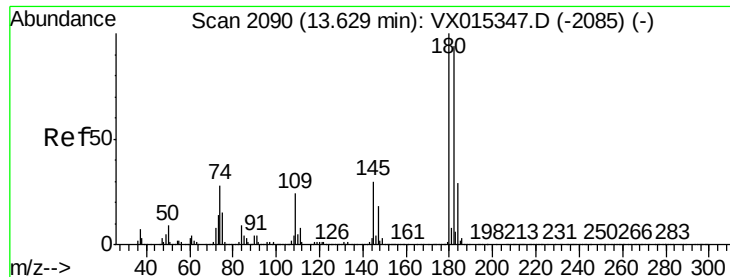
Tot Ion	Ratio	Lower	Upper
95	100		
174	86.0	66.4	99.6
176	85.3	64.1	96.1



#63
Toluene-d8
Concen: 29.742 ug/l
RT: 8.70 min Scan# 1281
Delta R.T. -0.00 min
Lab File: VX015732.D
Acq: 17 Apr 2020 13:01

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.4	52.2	78.2

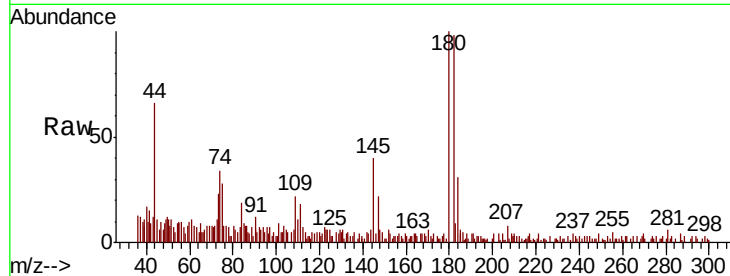




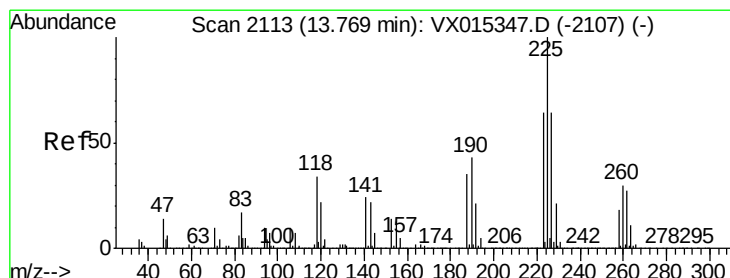
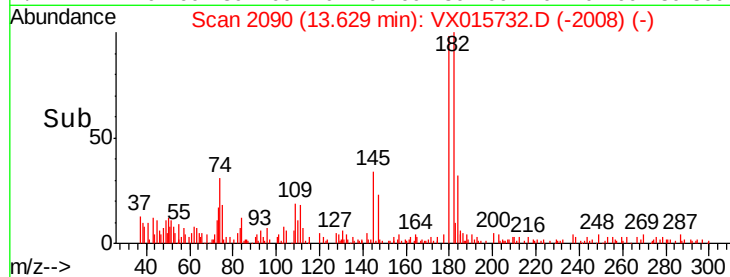
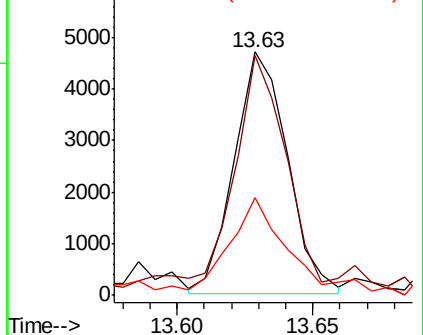
#89
 1,2,4-Trichlorobenzene
 Concen: 0.289 ug/l
 RT: 13.63 min Scan# 2090
 Delta R.T. 0.00 min
 Lab File: VX015732.D
 Acq: 17 Apr 2020 13:01

Instrument :
 MSVOA_X
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.0	76.9	115.3
145	36.3	24.3	36.5

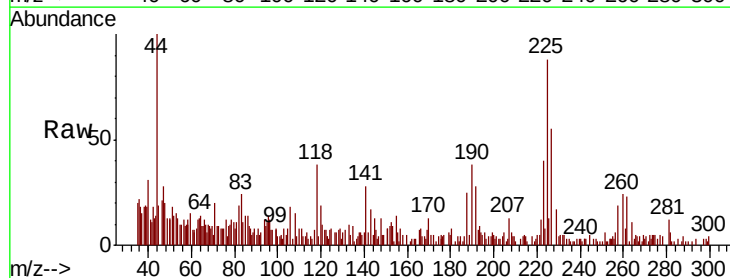


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

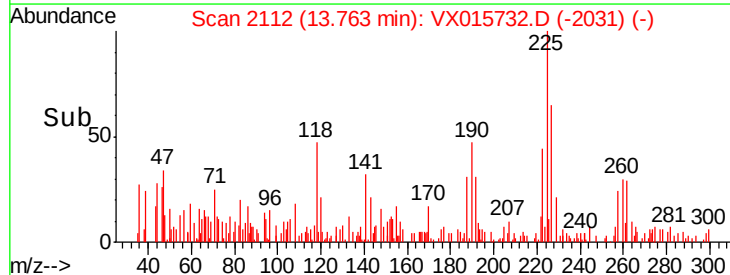
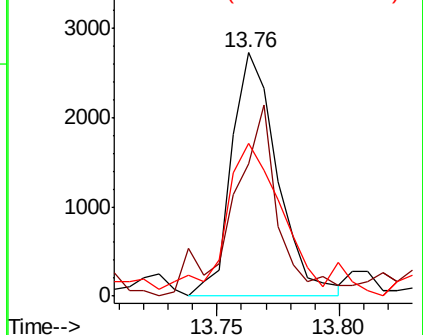


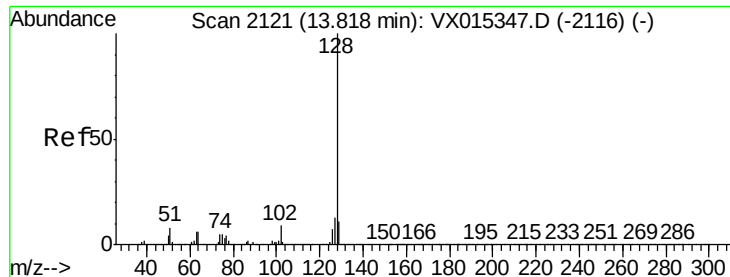
#90
 Hexachlorobutadiene
 Concen: 0.306 ug/l
 RT: 13.76 min Scan# 2112
 Delta R.T. -0.01 min
 Lab File: VX015732.D
 Acq: 17 Apr 2020 13:01

Tgt Ion	Ratio	Lower	Upper
225	100		
223	59.2	0.0	127.0
227	72.7	0.0	126.8



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

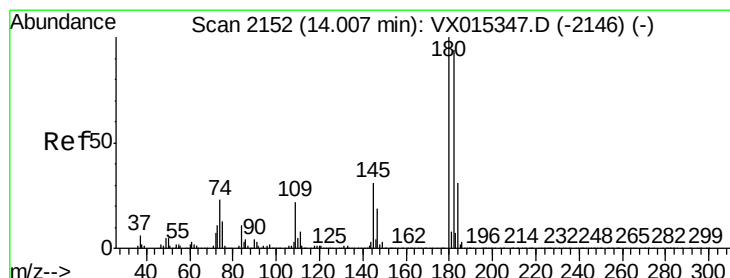
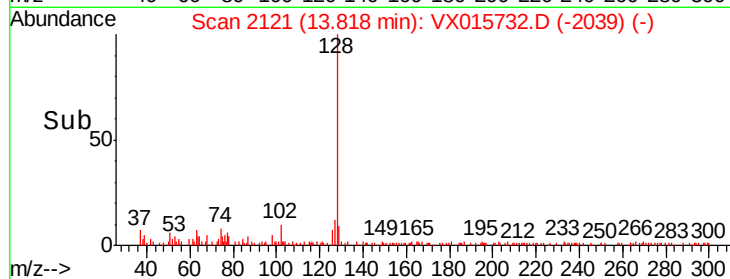
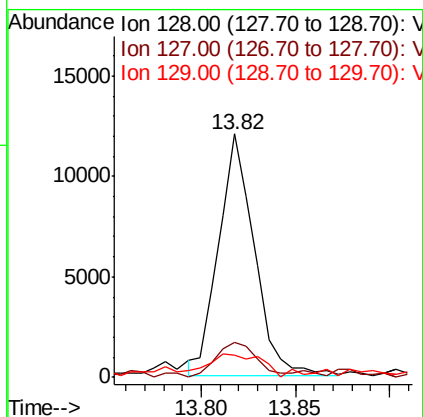
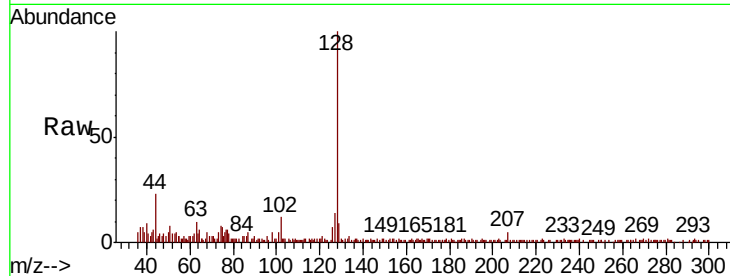




#91
Naphthalene
Concen: 0.251 ug/l
RT: 13.82 min Scan# 2121
Delta R.T. 0.00 min
Lab File: VX015732.D
Acq: 17 Apr 2020 13:01

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	16.1	10.3	15.5#
129	14.6	8.9	13.3#



#92
1,2,3-Trichlorobenzene
Concen: 0.275 ug/l
RT: 14.00 min Scan# 2151
Delta R.T. -0.01 min
Lab File: VX015732.D
Acq: 17 Apr 2020 13:01

Tgt Ion	Ratio	Lower	Upper
180	100		
182	100.8	0.0	191.0
145	39.0	0.0	62.2

