

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX011520\
 Data File : VX014625.D
 Acq On : 15 Jan 2020 17:47
 Operator : JC/SP
 Sample : L1135-03 10X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 REP-011420DL

Quant Time: Jan 16 01:13:17 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X011520W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jan 15 12:41:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.01	128	73260	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.85	114	400882	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	348240	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.05	65	162264	31.51	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	105.03%
60) 4-Bromofluorobenzene	11.14	95	153254	27.50	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	91.67%
63) Toluene-d8	8.71	98	477312	30.34	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.13%

Target Compounds

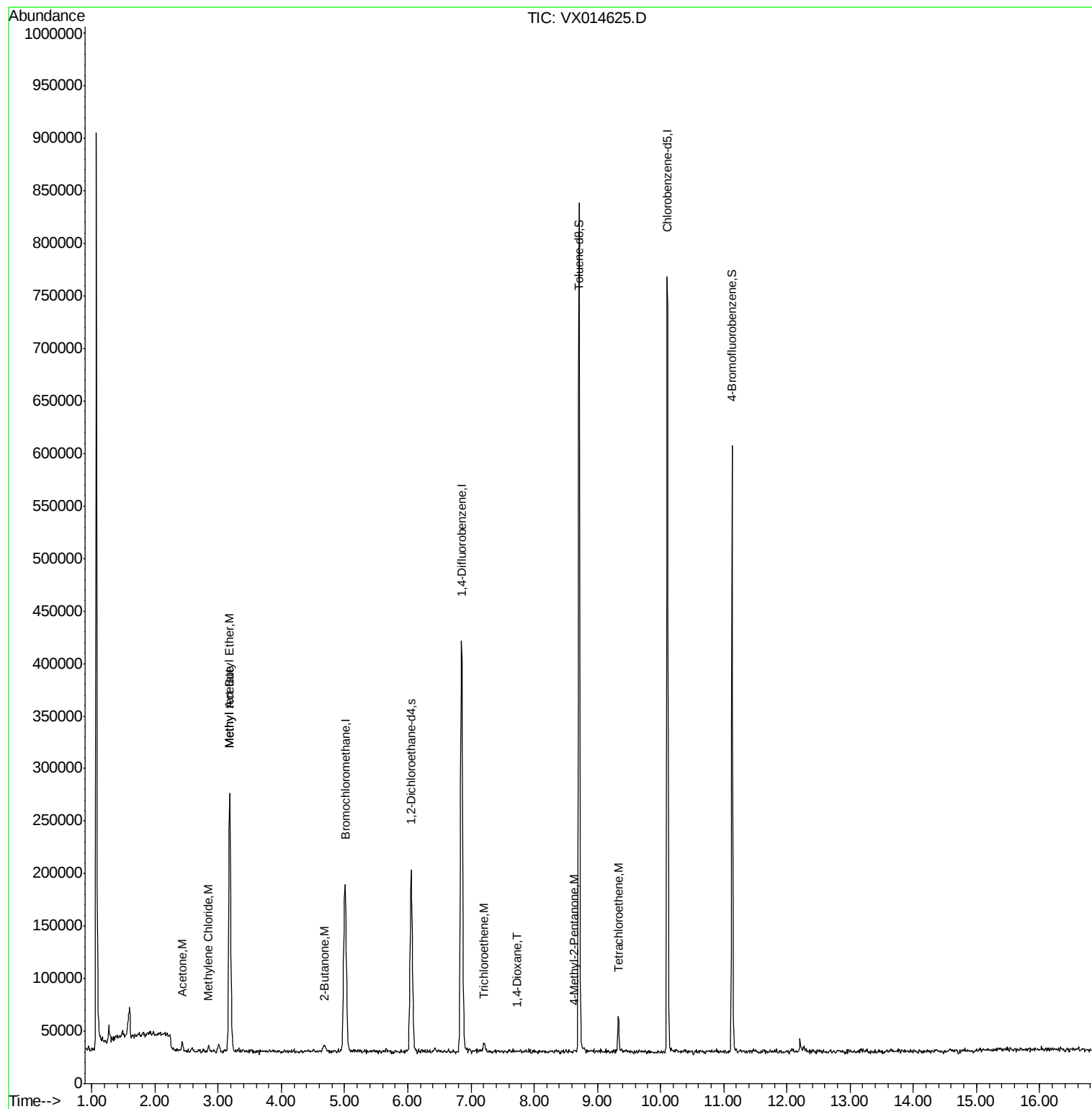
					Qvalue	
12) Methyl Acetate	3.19	43	58345	7.964	ug/l	93
15) Acetone	2.43	58	2837	3.376	ug/l	88
18) Methylene Chloride	2.85	84	2104	0.443	ug/l #	83
24) Methyl tert-Butyl Ether	3.18	73	276708	20.502	ug/l	99
30) 2-Butanone	4.67	43	2892	0.777	ug/l #	72
37) Trichloroethene	7.20	130	3407	0.685	ug/l	100
45) 1,4-Dioxane	7.74	88	310	2.849	ug/l #	15
58) 4-Methyl-2-Pentanone	8.64	43	2003	0.305	ug/l #	80
61) Tetrachloroethene	9.33	164	6654	1.293	ug/l	86

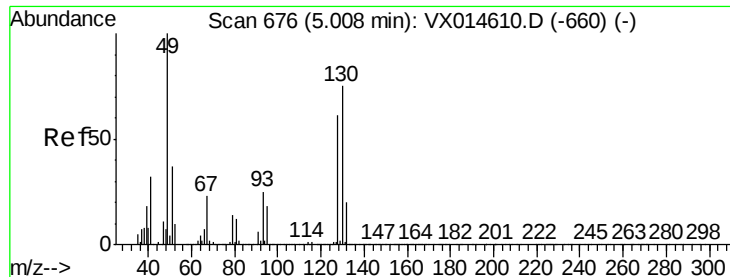
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\624X011520W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Jan 15 12:41:12 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: VX014625.D

Acq: 15 Jan 2020 17:47

Instrument :

MSVOA_X

ClientSampleId :

REP-011420DL

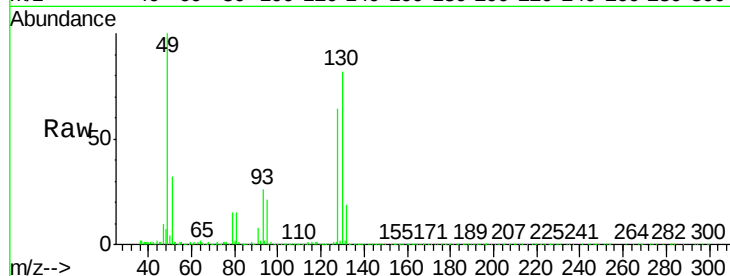
Tgt Ion:128 Resp: 73260

Ion Ratio Lower Upper

128 100

49 162.9 0.0 405.0

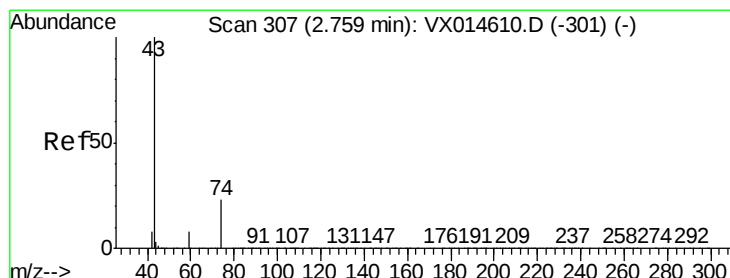
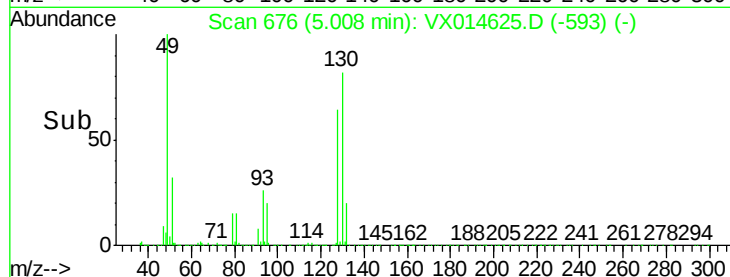
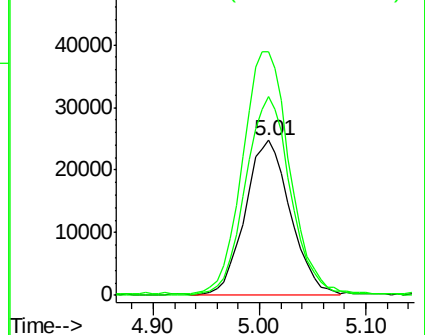
130 129.5 0.0 321.5



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



#12

Methyl Acetate

Concen: 7.964 ug/l

RT: 3.19 min Scan# 377

Delta R.T. 0.42 min

Lab File: VX014625.D

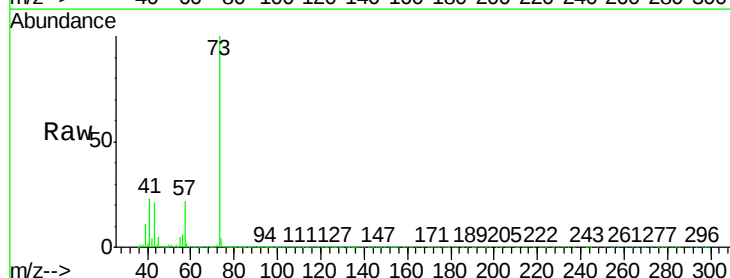
Acq: 15 Jan 2020 17:47

Tgt Ion: 43 Resp: 58345

Ion Ratio Lower Upper

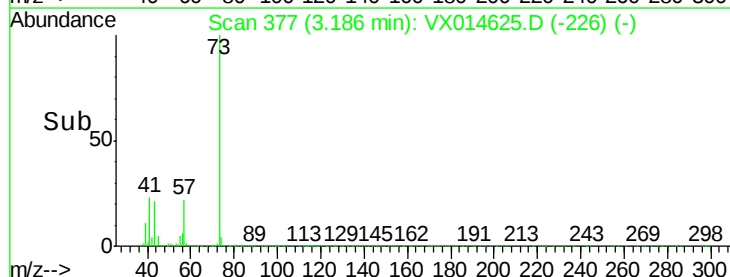
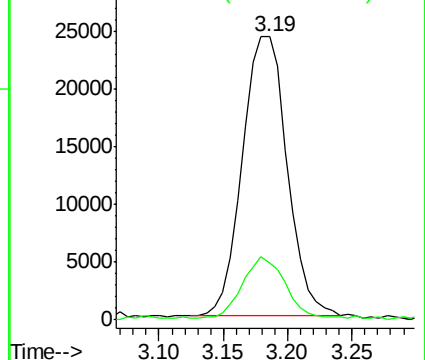
43 100

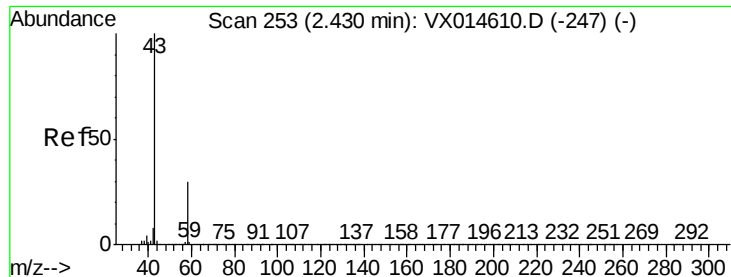
74 19.7 18.5 27.7



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





#15

Acetone

Concen: 3.376 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.01 min

Lab File: VX014625.D

Acq: 15 Jan 2020 17:47

Instrument :

MSVOA_X

ClientSampleId :

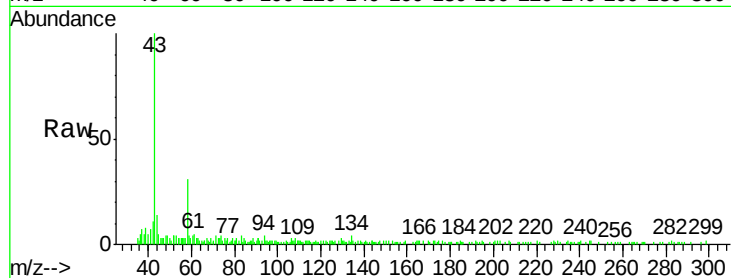
REP-011420DL

Tgt Ion: 58 Resp: 2837

Ion Ratio Lower Upper

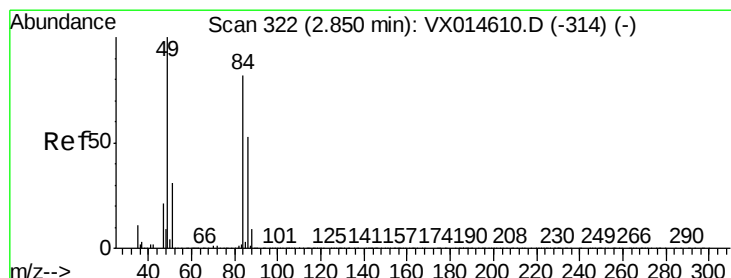
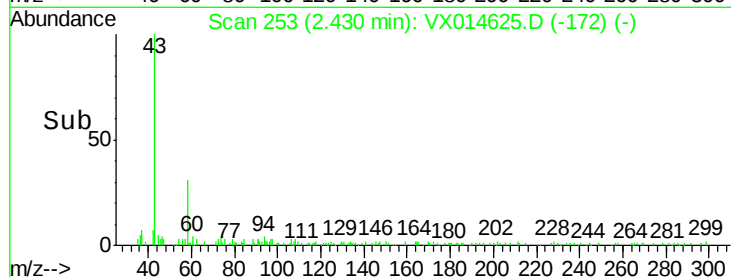
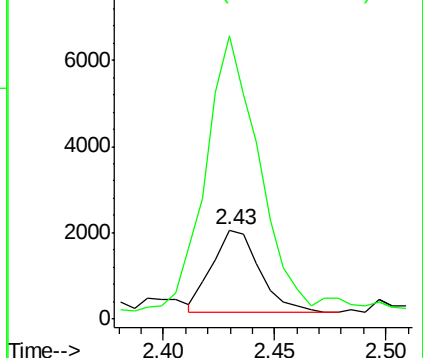
58 100

43 319.0 236.3 354.5



Abundance Ion 58.00 (57.70 to 58.70): VX0

Ion 43.00 (42.70 to 43.70): VX0



#18

Methylene Chloride

Concen: 0.443 ug/l

RT: 2.85 min Scan# 322

Delta R.T. 0.01 min

Lab File: VX014625.D

Acq: 15 Jan 2020 17:47

Tgt Ion: 84 Resp: 2104

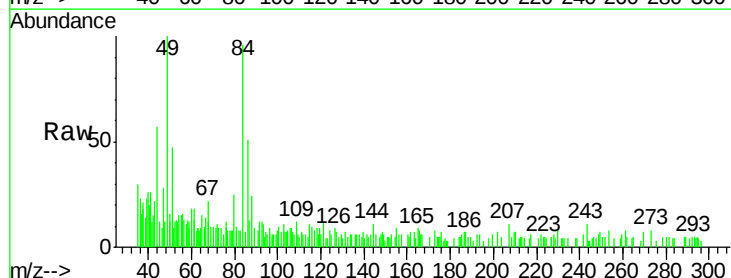
Ion Ratio Lower Upper

84 100

49 104.6 102.2 153.2

51 34.9 31.4 47.0

86 50.2 50.8 76.2#

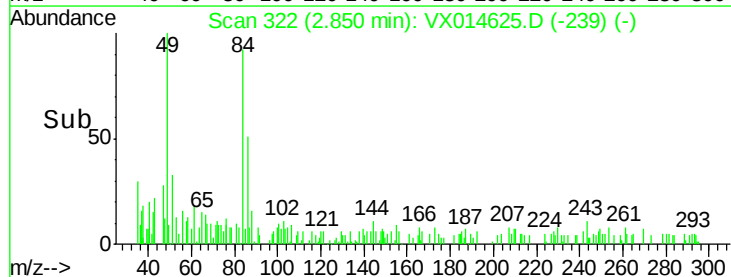
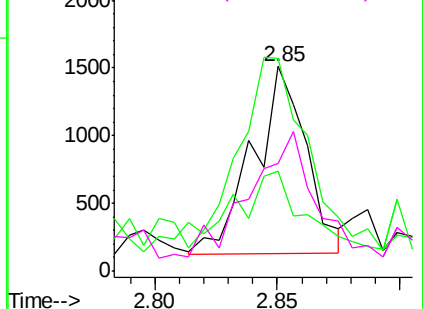


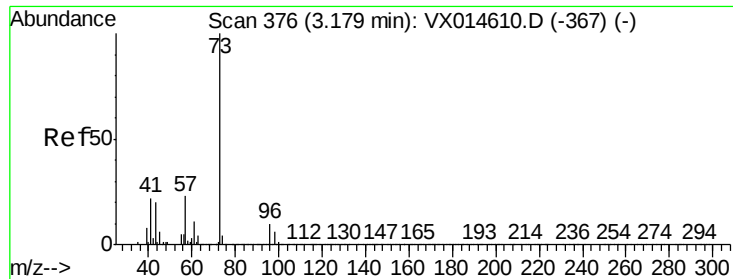
Abundance Ion 84.00 (83.70 to 84.70): VX0

Ion 49.00 (48.70 to 49.70): VX0

Ion 51.00 (50.70 to 51.70): VX0

Ion 86.00 (85.70 to 86.70): VX0





#24

Methyl tert-Butyl Ether

Concen: 20.502 ug/l

RT: 3.18 min Scan# 376

Delta R.T. -0.01 min

Lab File: VX014625.D

Acq: 15 Jan 2020 17:47

Instrument :

MSVOA_X

ClientSampled :

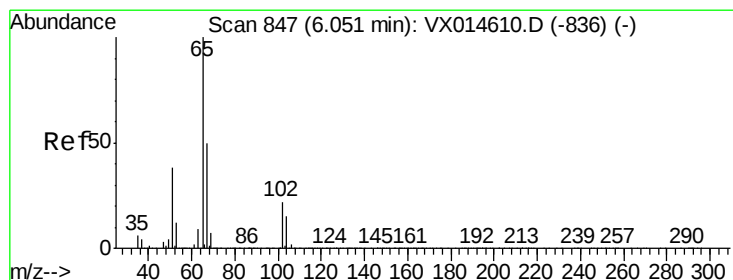
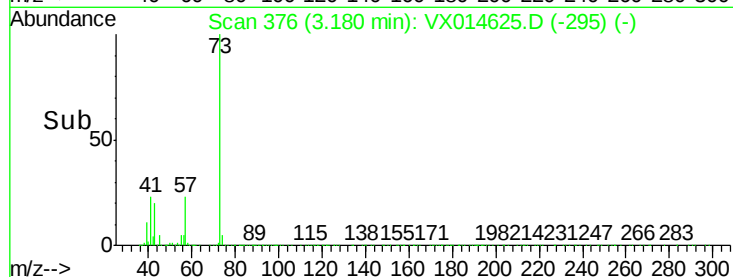
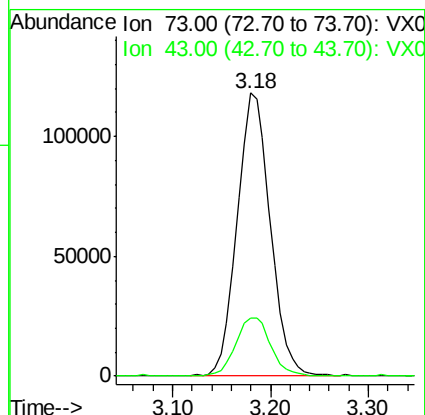
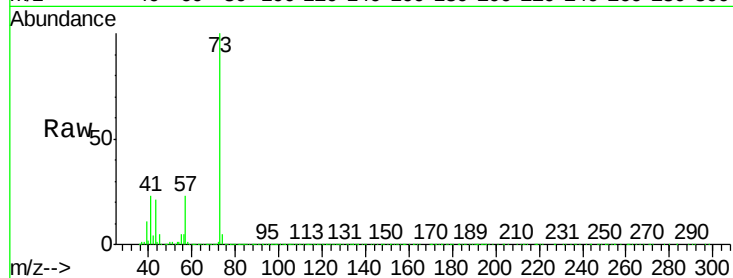
REP-011420DL

Tgt Ion: 73 Resp: 276708

Ion Ratio Lower Upper

73 100

43 21.1 16.6 25.0



#27

1,2-Dichloroethane-d4

Concen: 31.512 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX014625.D

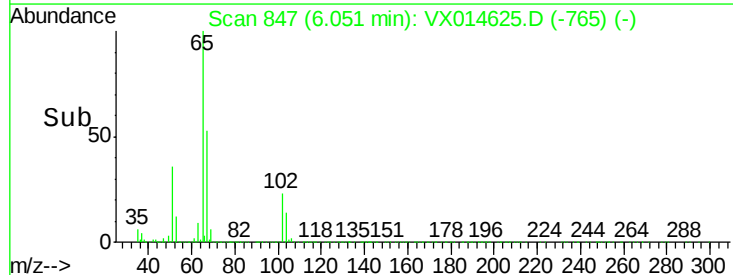
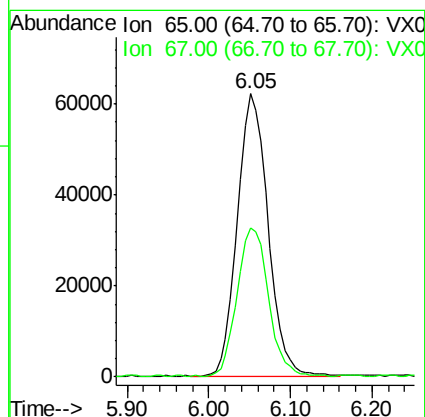
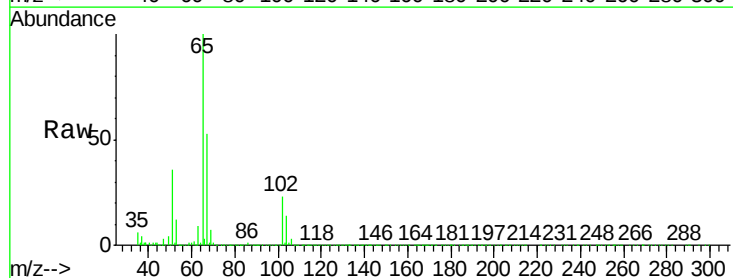
Acq: 15 Jan 2020 17:47

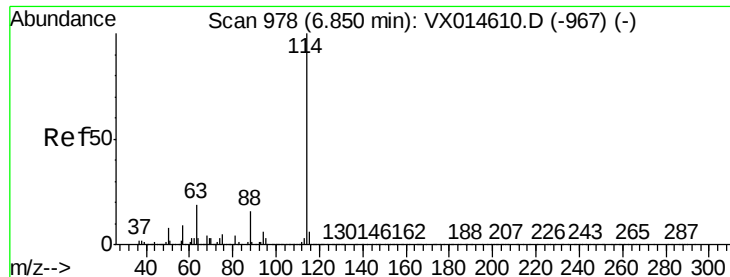
Tgt Ion: 65 Resp: 162264

Ion Ratio Lower Upper

65 100

67 53.9 43.1 64.7

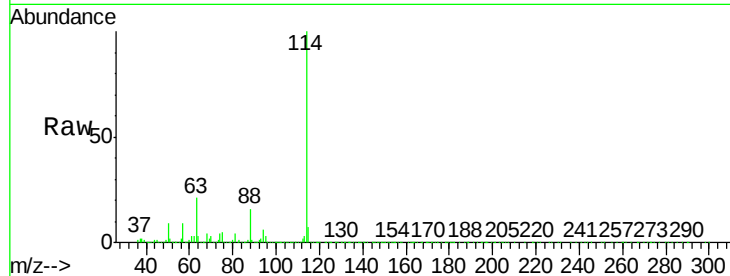




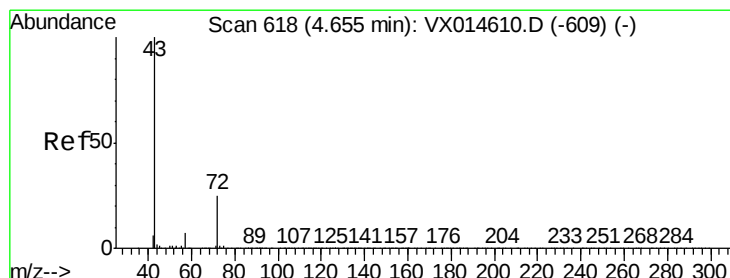
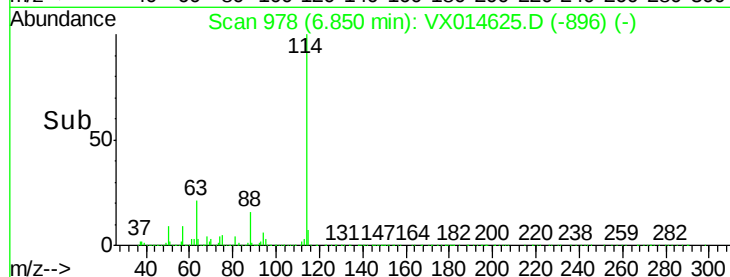
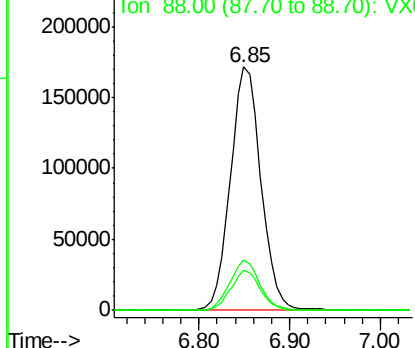
#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX014625.D
 Acq: 15 Jan 2020 17:47

Instrument :
 MSVOA_X
 ClientSampleId :
 REP-011420DL

Tgt Ion:	114	Resp:	400882
Ion	Ratio	Lower	Upper
114	100		
63	20.1	16.1	24.1
88	15.8	12.5	18.7

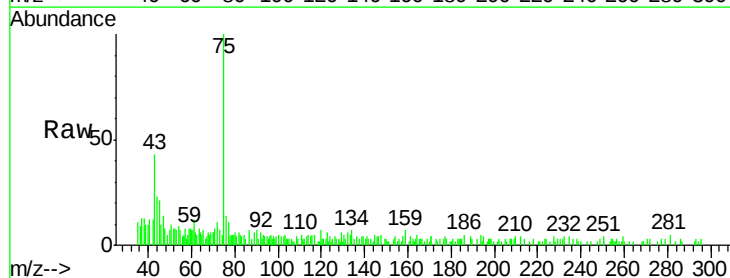


Abundance Ion 114.00 (113.70 to 114.70): VX0
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 88.00 (87.70 to 88.70): VX0

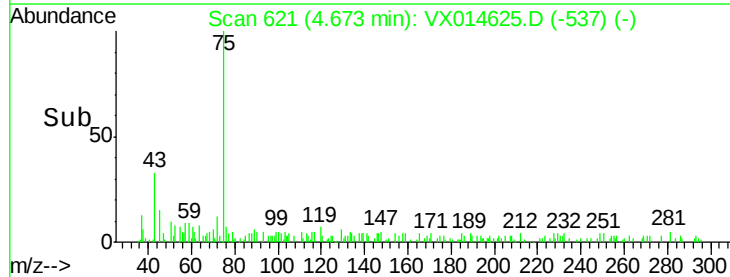
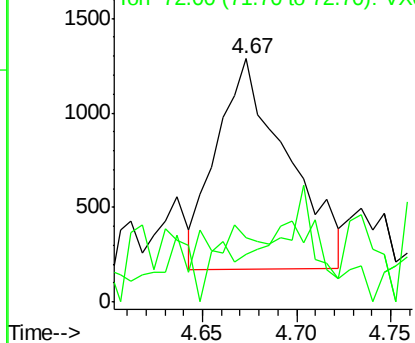


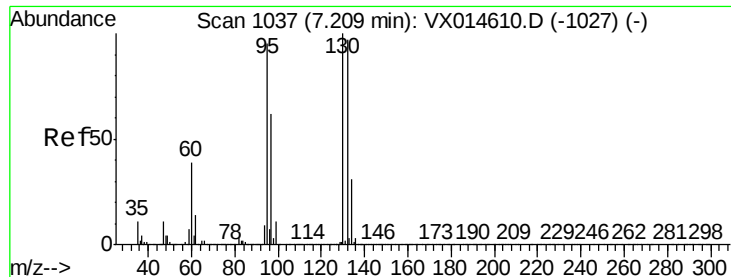
#30
 2-Butanone
 Concen: 0.777 ug/l
 RT: 4.67 min Scan# 621
 Delta R.T. 0.01 min
 Lab File: VX014625.D
 Acq: 15 Jan 2020 17:47

Tgt Ion:	43	Resp:	2892
Ion	Ratio	Lower	Upper
43	100		
57	10.1	6.2	9.2#
72	7.7	20.3	30.5#



Abundance Ion 43.00 (42.70 to 43.70): VX0
 Ion 57.00 (56.70 to 57.70): VX0
 Ion 72.00 (71.70 to 72.70): VX0





#37

Trichloroethene

Concen: 0.685 ug/l

RT: 7.20 min Scan# 1036

Delta R.T. -0.01 min

Lab File: VX014625.D

Acq: 15 Jan 2020 17:47

Instrument :

MSVOA_X

ClientSampleId :

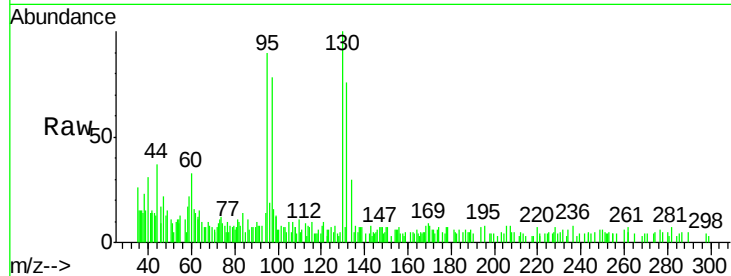
REP-011420DL

Tgt Ion:130 Resp: 3407

Ion Ratio Lower Upper

130 100

95 89.3 71.7 107.5



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VX0

7.20

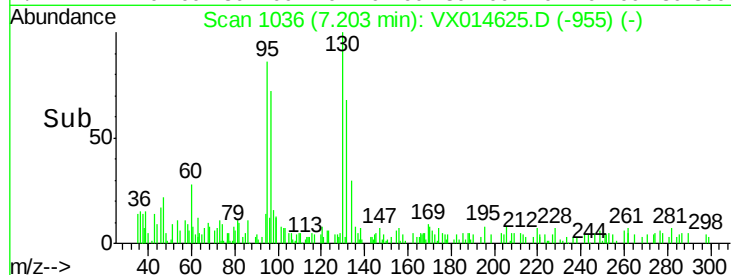
1500

1000

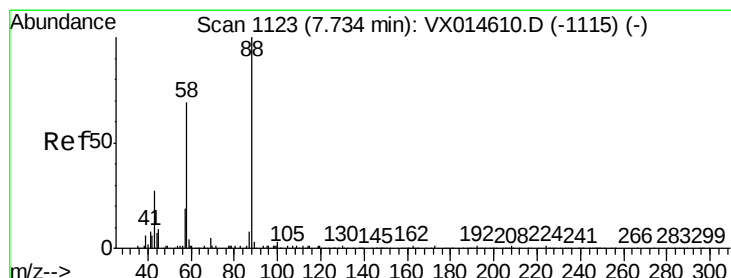
500

0

7.15 7.20 7.25



Time-->



#45

1,4-Dioxane

Concen: 2.849 ug/l

RT: 7.74 min Scan# 1124

Delta R.T. 0.01 min

Lab File: VX014625.D

Acq: 15 Jan 2020 17:47

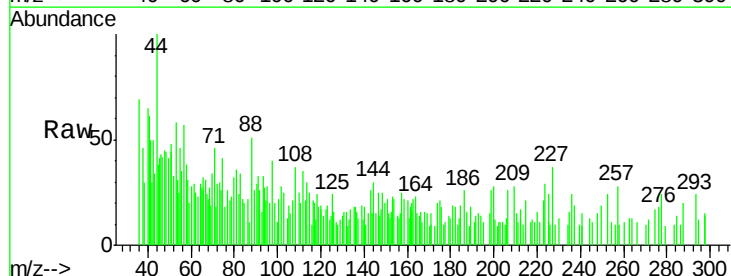
Tgt Ion: 88 Resp: 310

Ion Ratio Lower Upper

88 100

43 77.7 25.4 38.2#

58 0.0 56.5 84.7#



Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

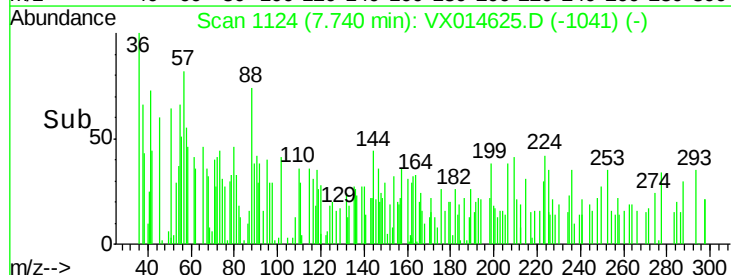
600

400

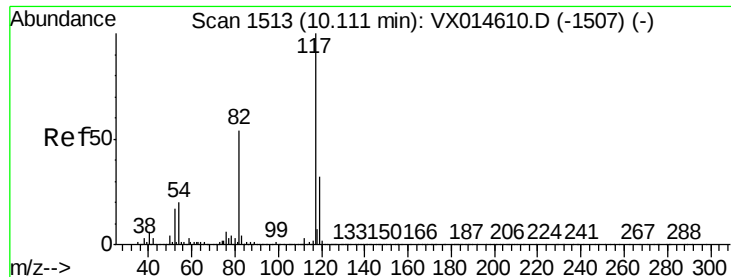
200

0

7.72 7.74 7.76



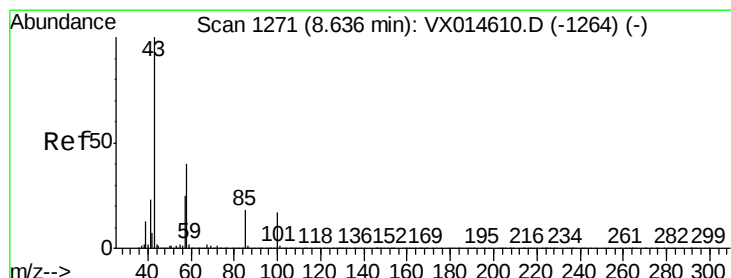
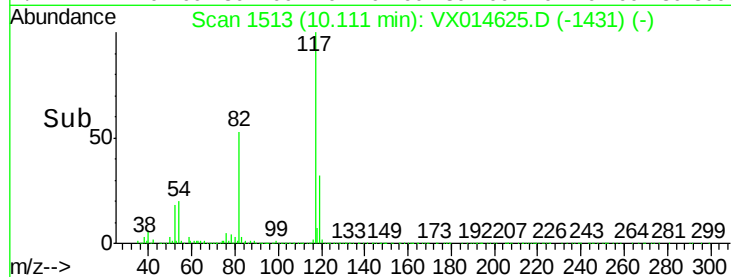
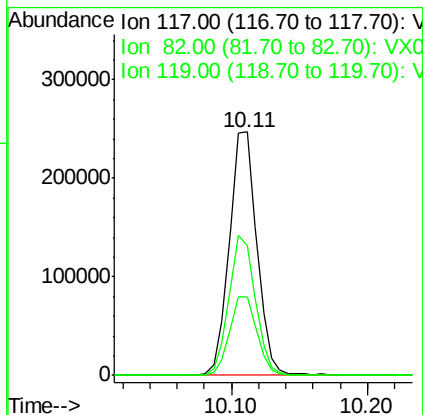
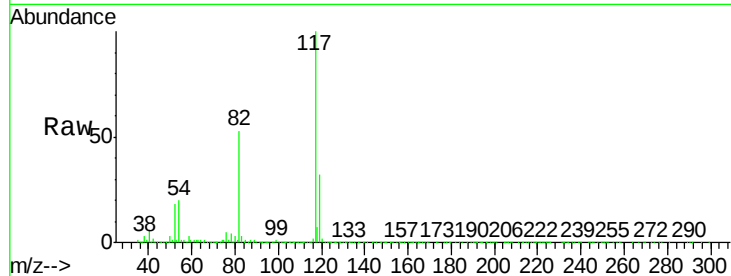
Time-->



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX014625.D
Acq: 15 Jan 2020 17:47

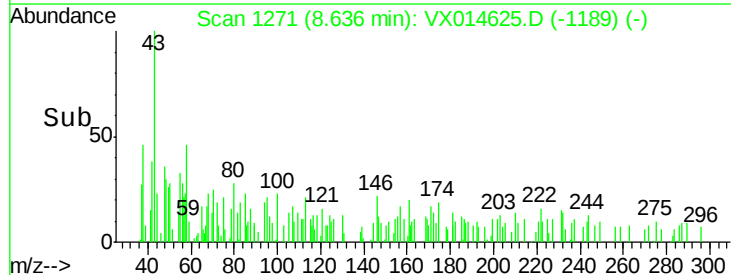
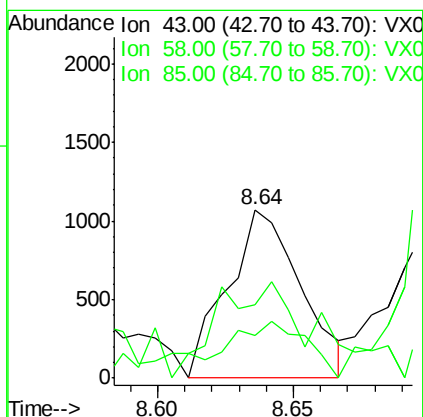
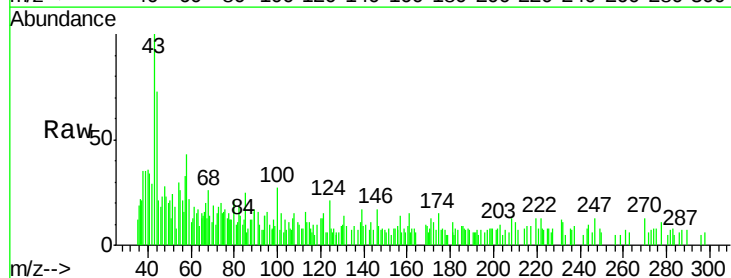
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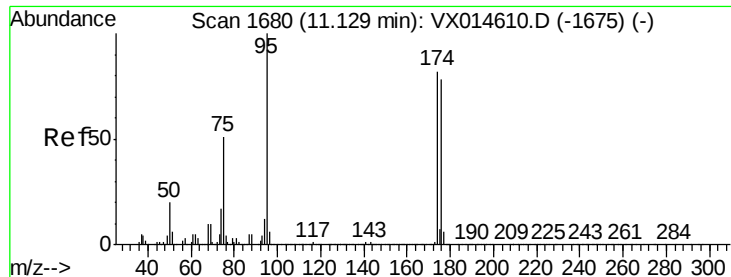
Tgt Ion	Ratio	Lower	Upper
117	100		
82	54.9	43.8	65.6
119	32.4	25.8	38.6



#58
4-Methyl-2-Pentanone
Concen: 0.305 ug/l
RT: 8.64 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VX014625.D
Acq: 15 Jan 2020 17:47

Tgt Ion	Ratio	Lower	Upper
43	100		
58	31.2	31.2	46.8
85	33.0	14.2	21.2#

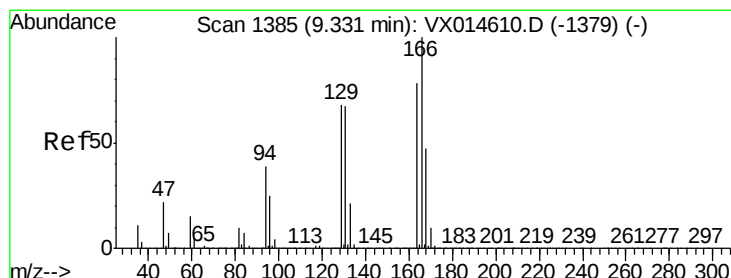
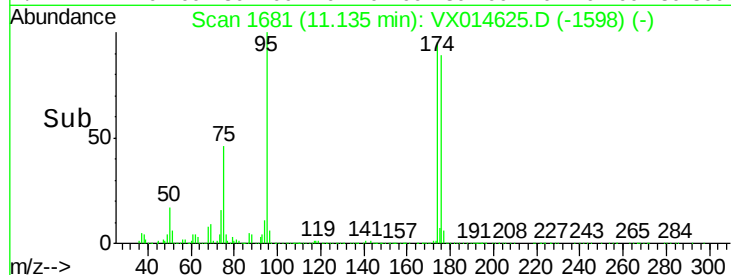
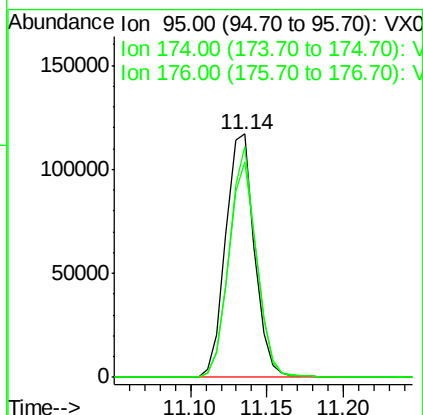
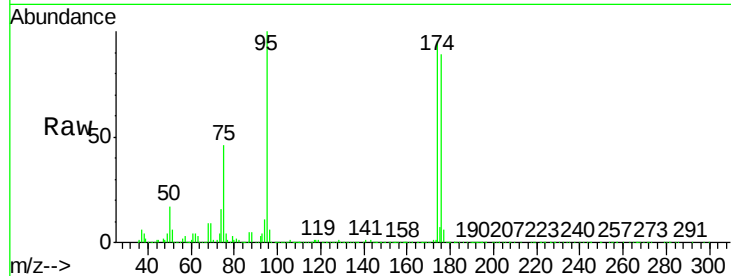




#60
4-Bromofluorobenzene
Concen: 27.502 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. 0.01 min
Lab File: VX014625.D
Acq: 15 Jan 2020 17:47

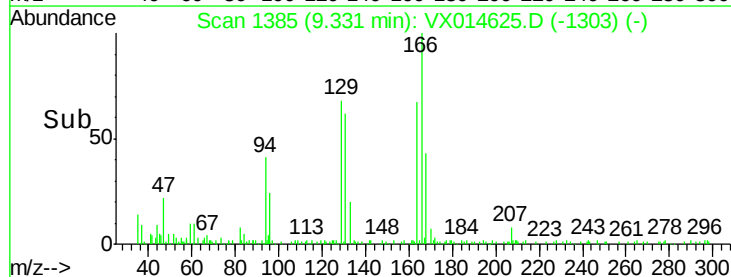
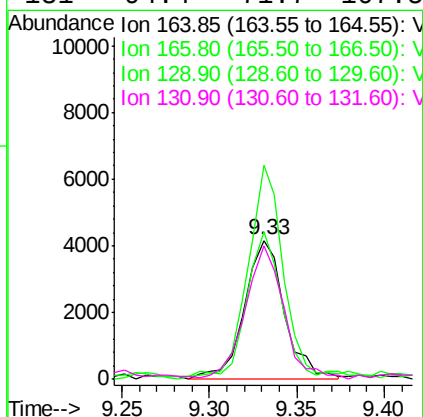
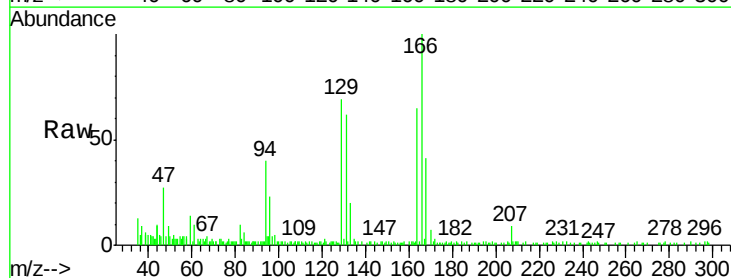
Instrument :
MSVOA_X
ClientSampleId :
REP-011420DL

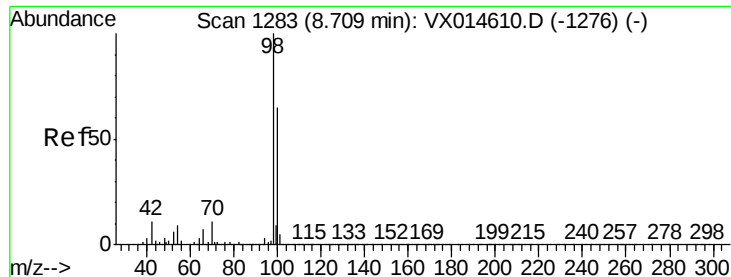
Tgt Ion: 95 Resp: 153254
Ion Ratio Lower Upper
95 100
174 88.7 70.2 105.2
176 86.1 68.3 102.5



#61
Tetrachloroethene
Concen: 1.293 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX014625.D
Acq: 15 Jan 2020 17:47

Tgt Ion: 164 Resp: 6654
Ion Ratio Lower Upper
164 100
166 152.4 104.2 156.2
129 103.6 71.6 107.4
131 94.4 71.7 107.5





#63

Toluene-d8

Concen: 30.344 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX014625.D

Acq: 15 Jan 2020 17:47

Instrument :

MSVOA_X

ClientSampleId :

REP-011420DL

Tgt Ion: 98 Resp: 477312

Ion Ratio Lower Upper

98 100

100 65.7 52.2 78.2

