

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX111419\
 Data File : VX013425.D
 Acq On : 14 Nov 2019 16:22
 Operator : JC/SP
 Sample : K5828-01DL 10X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 GE-MW-58-1DL

Quant Time: Nov 15 08:42:26 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X111119W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Nov 12 01:16:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.01	128	117807	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.85	114	660950	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	577796	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.05	65	254428	29.25	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	97.50%
60) 4-Bromofluorobenzene	11.14	95	256844	27.66	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	92.20%
63) Toluene-d8	8.71	98	785483	30.06	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.20%

Target Compounds

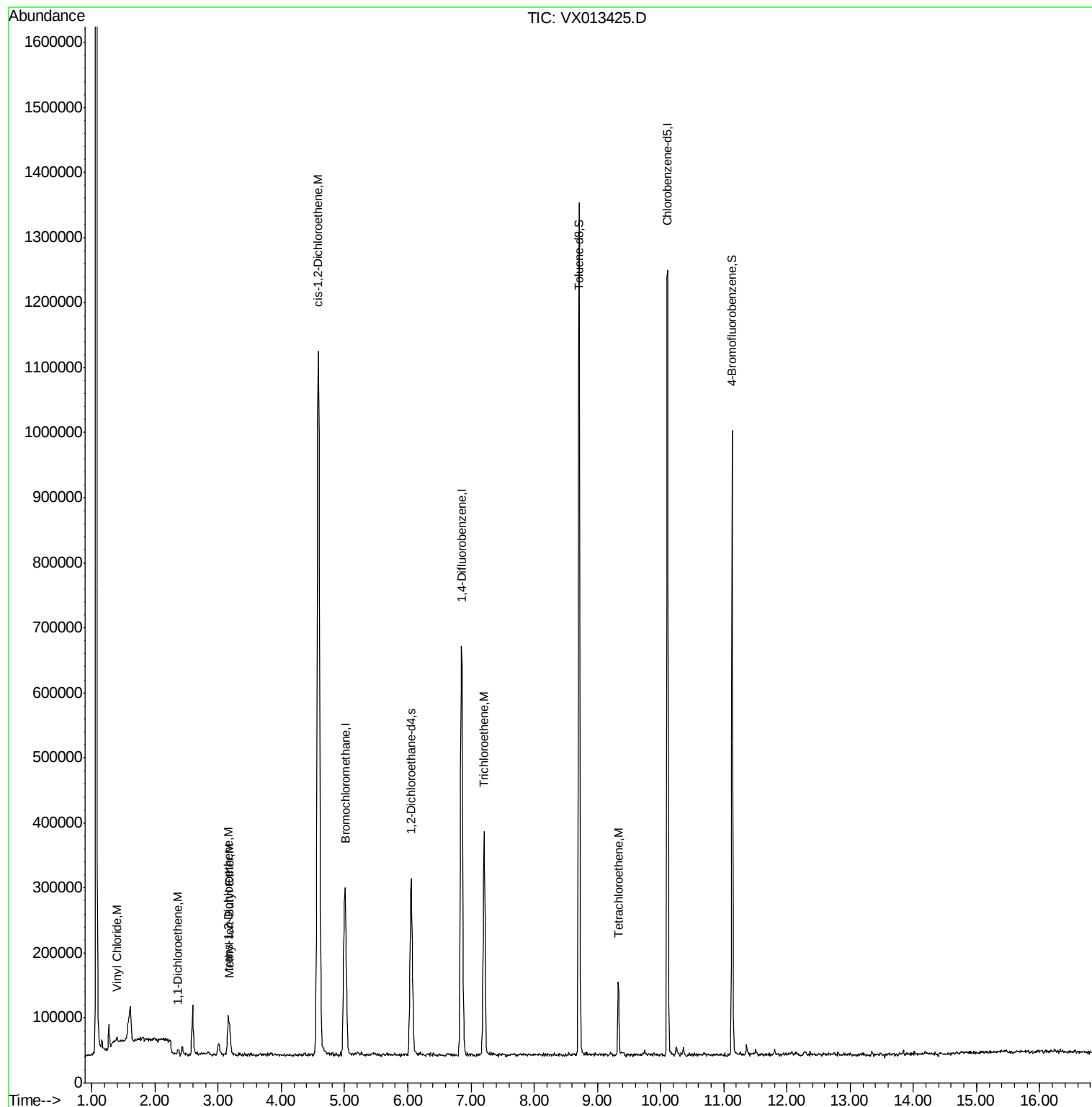
					Ovalue
4) Vinyl Chloride	1.40	62	3519	0.322 ug/l	# 84
10) 1,1-Dichloroethene	2.36	96	2134	0.293 ug/l	99
19) trans-1,2-Dichloroethene	3.16	96	22402	2.881 ug/l	97
22) cis-1,2-Dichloroethene	4.58	96	701878	79.171 ug/l	88
24) Methyl tert-Butyl Ether	3.18	73	40744	1.692 ug/l	99
37) Trichloroethene	7.21	130	140843	17.169 ug/l	92
61) Tetrachloroethene	9.33	164	23316	3.272 ug/l	99

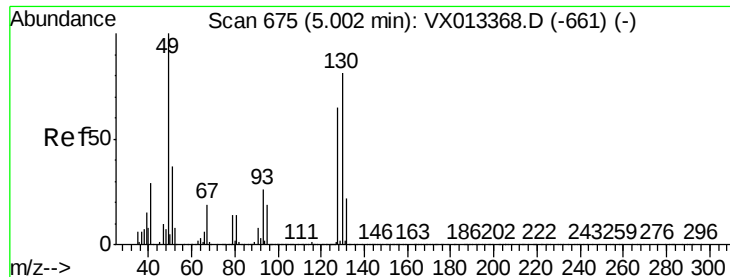
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA X\METHOD\624X111119W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Tue Nov 12 01:16:13 2019
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: VX013425.D

Acq: 14 Nov 2019 16:22

Instrument :

MSVOA_X

ClientSampleId :

GE-MW-58-1DL

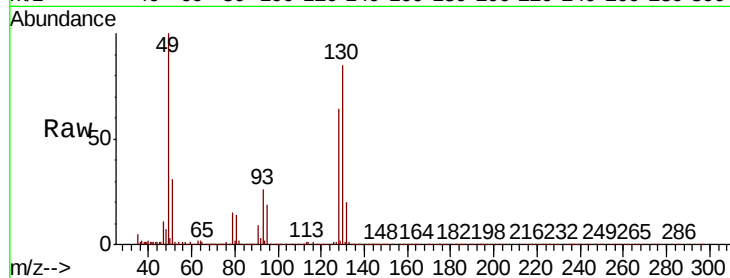
Tot Ion:128 Resp: 117807

Ion Ratio Lower Upper

128 100

49 157.1 0.0 388.3

130 131.0 0.0 318.5



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

80000

60000

40000

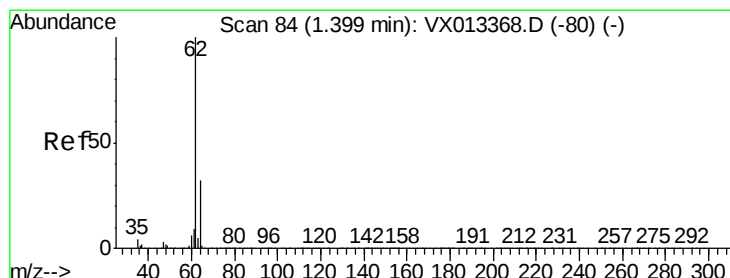
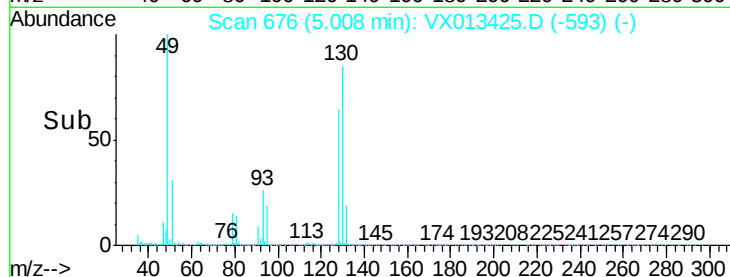
20000

0

Time-->

4.90 5.00 5.10

5.01



#4

Vinyl Chloride

Concen: 0.322 ug/l

RT: 1.40 min Scan# 84

Delta R.T. 0.00 min

Lab File: VX013425.D

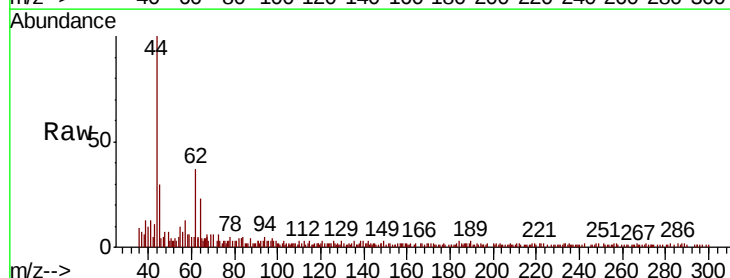
Acq: 14 Nov 2019 16:22

Tgt Ion: 62 Resp: 3519

Ion Ratio Lower Upper

62 100

64 40.6 25.4 38.2#



Abundance Ion 62.00 (61.70 to 62.70): VX0

Ion 64.00 (63.70 to 64.70): VX0

3000

2000

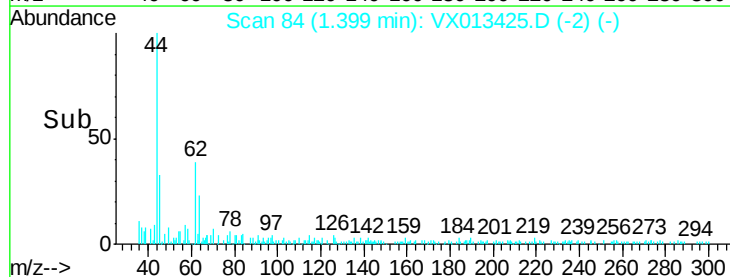
1000

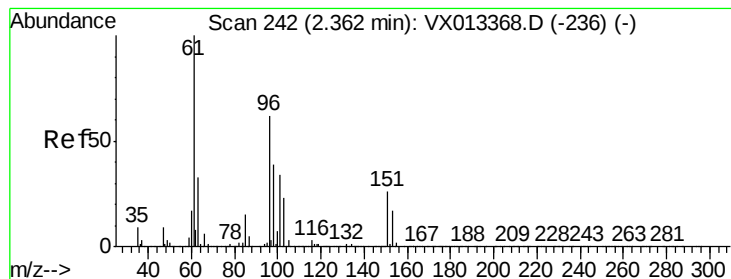
0

Time-->

1.35 1.40

1.40





#10

1,1-Dichloroethene

Concen: 0.293 ug/l

RT: 2.36 min Scan# 242

Delta R.T. 0.00 min

Lab File: VX013425.D

Acq: 14 Nov 2019 16:22

Instrument :

MSVOA_X

ClientSampled :

GE-MW-58-1DL

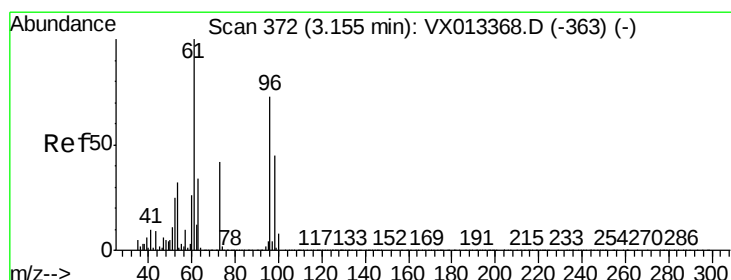
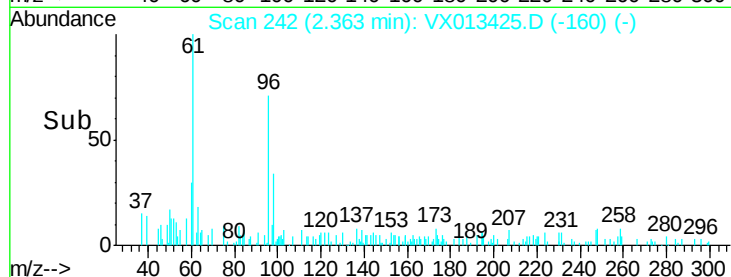
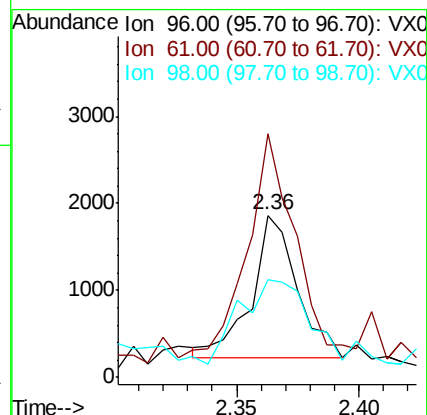
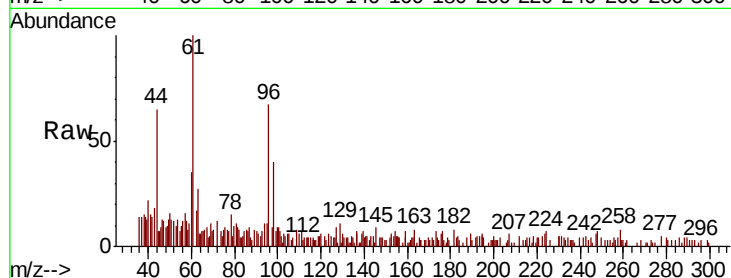
Tot Ion: 96 Resp: 2134

Ion Ratio Lower Upper

96 100

61 163.0 128.9 193.3

98 60.9 49.7 74.5



#19

trans-1,2-Dichloroethene

Concen: 2.881 ug/l

RT: 3.16 min Scan# 373

Delta R.T. 0.01 min

Lab File: VX013425.D

Acq: 14 Nov 2019 16:22

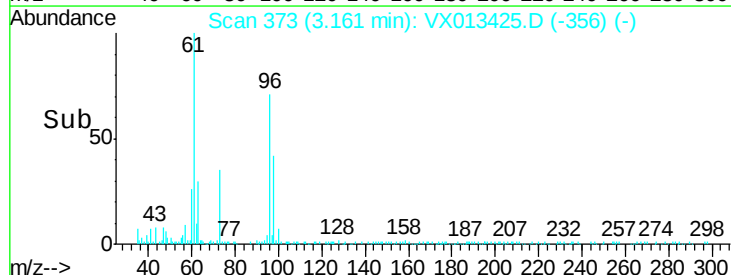
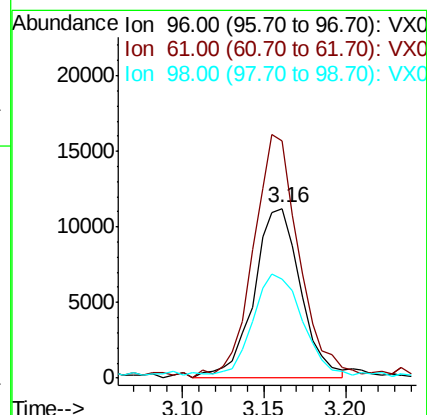
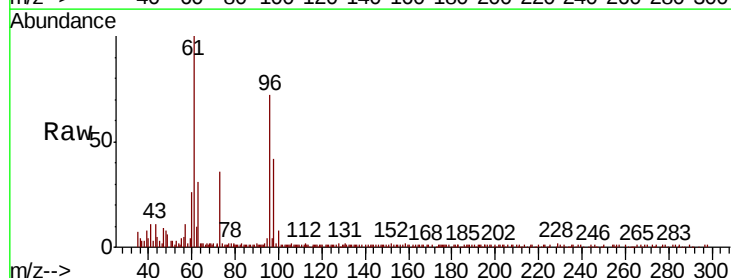
Tgt Ion: 96 Resp: 22402

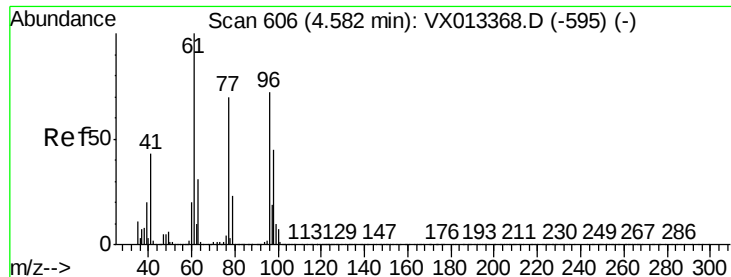
Ion Ratio Lower Upper

96 100

61 137.7 109.9 164.9

98 54.8 49.7 74.5



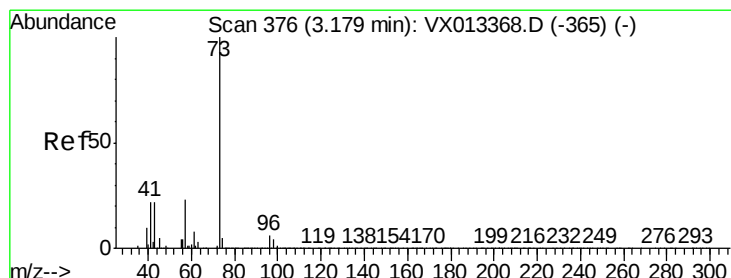
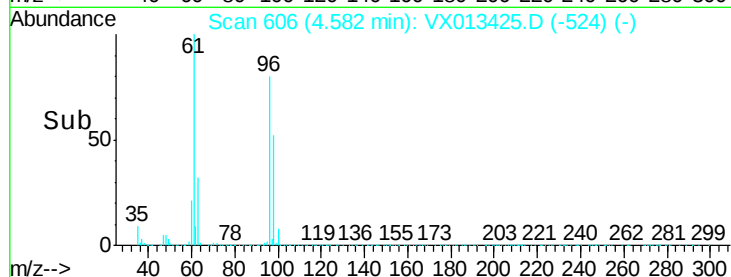
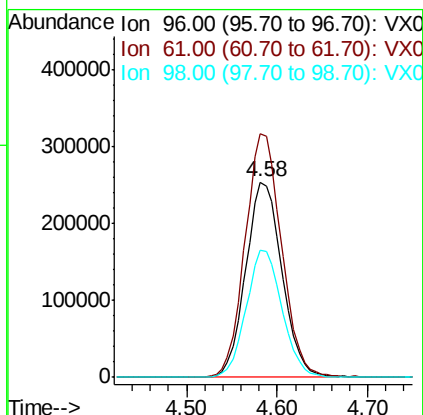
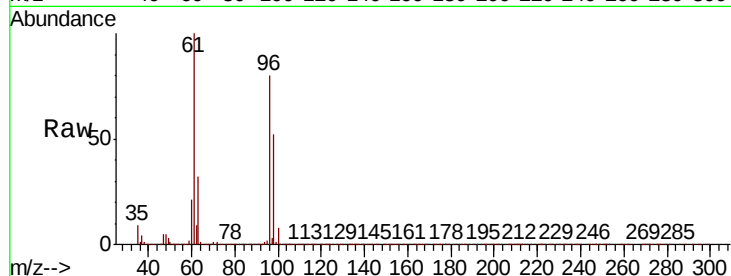


#22

cis-1,2-Dichloroethene
Concen: 79.171 ug/l
RT: 4.58 min Scan# 606
Delta R.T. 0.00 min
Lab File: VX013425.D
Acq: 14 Nov 2019 16:22

Instrument :
MSVOA_X
ClientSampled :
GE-MW-58-1DL

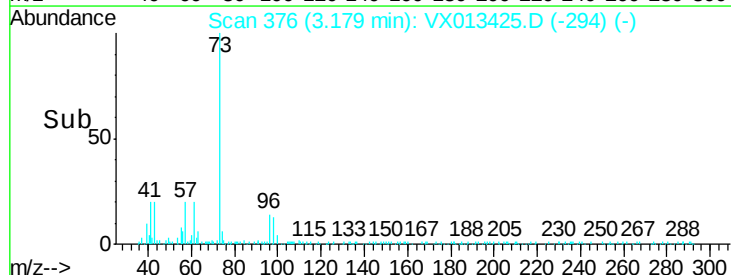
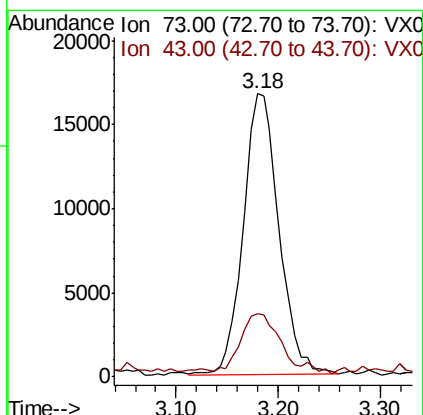
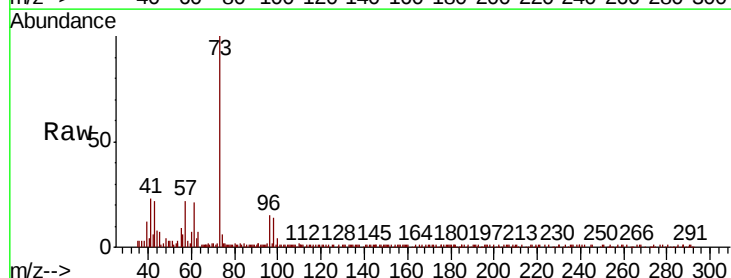
Tot Ion: 96 Resp: 701878
Ion Ratio Lower Upper
96 100
61 125.0 117.0 175.6
98 64.4 51.1 76.7

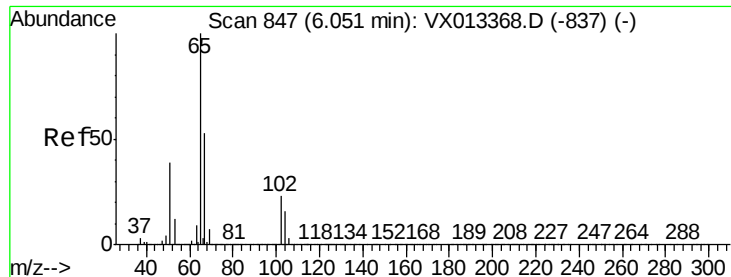


#24

Methyl tert-Butyl Ether
Concen: 1.692 ug/l
RT: 3.18 min Scan# 376
Delta R.T. 0.00 min
Lab File: VX013425.D
Acq: 14 Nov 2019 16:22

Tgt Ion: 73 Resp: 40744
Ion Ratio Lower Upper
73 100
43 21.7 17.0 25.6





#27

1,2-Dichloroethane-d4

Concen: 29.248 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX013425.D

Acq: 14 Nov 2019 16:22

Instrument :

MSVOA_X

ClientSampled :

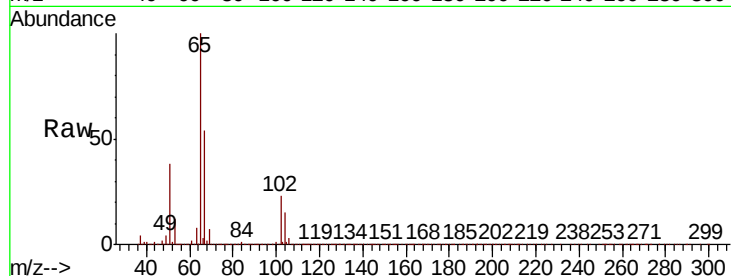
GE-MW-58-1DL

Tot Ion: 65 Resp: 254428

Ion Ratio Lower Upper

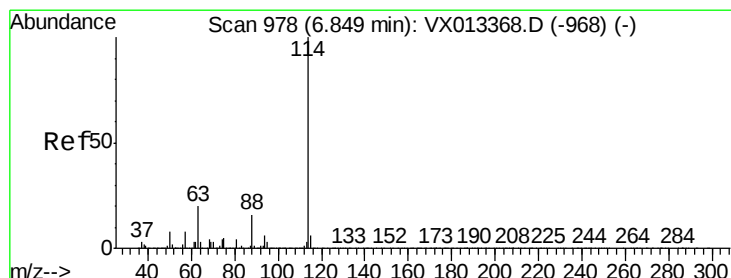
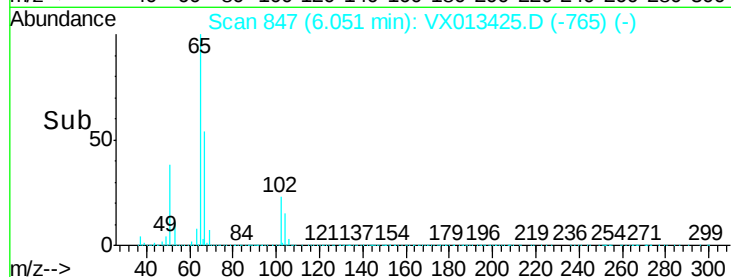
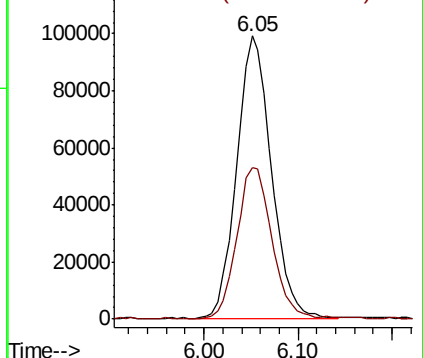
65 100

67 53.8 41.0 61.6



Abundance Ion 65.00 (64.70 to 65.70): VX0

Ion 67.00 (66.70 to 67.70): VX0



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX013425.D

Acq: 14 Nov 2019 16:22

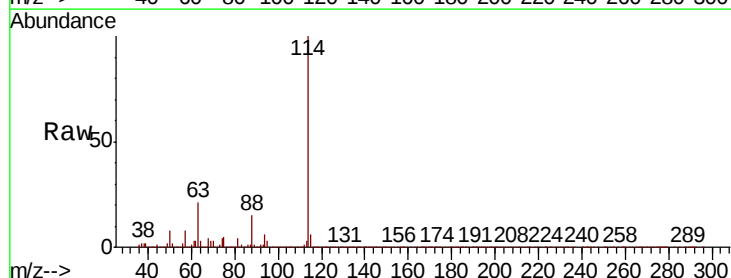
Tgt Ion: 114 Resp: 660950

Ion Ratio Lower Upper

114 100

63 19.7 16.1 24.1

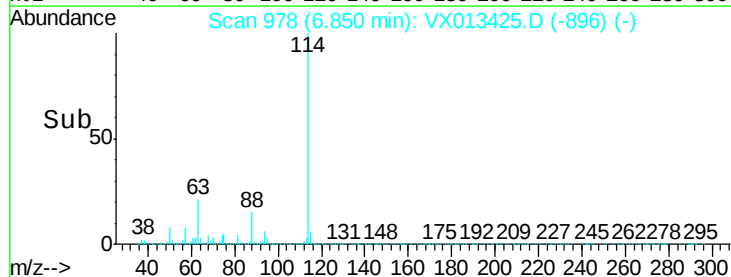
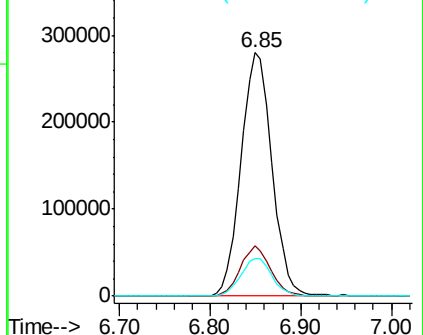
88 15.6 12.3 18.5

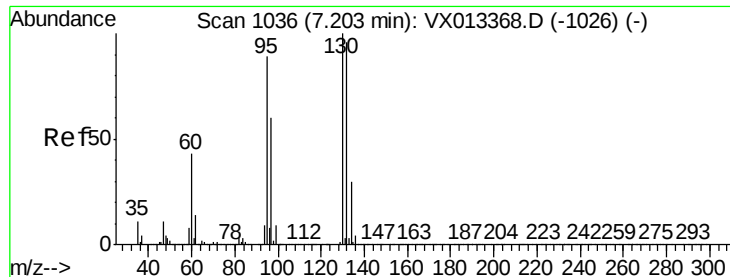


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 88.00 (87.70 to 88.70): VX0





#37

Trichloroethene

Concen: 17.169 ug/l

RT: 7.21 min Scan# 1037

Delta R.T. 0.01 min

Lab File: VX013425.D

Acq: 14 Nov 2019 16:22

Instrument :

MSVOA_X

ClientSampleId :

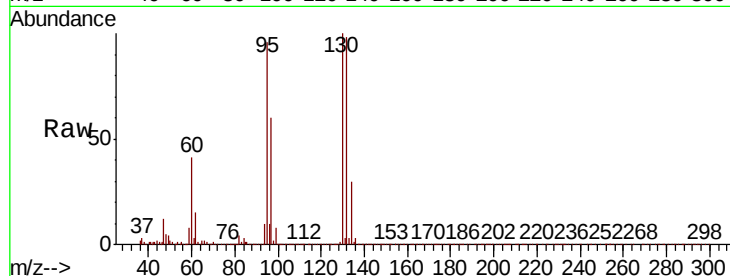
GE-MW-58-1DL

Tot Ion:130 Resp: 140843

Ion Ratio Lower Upper

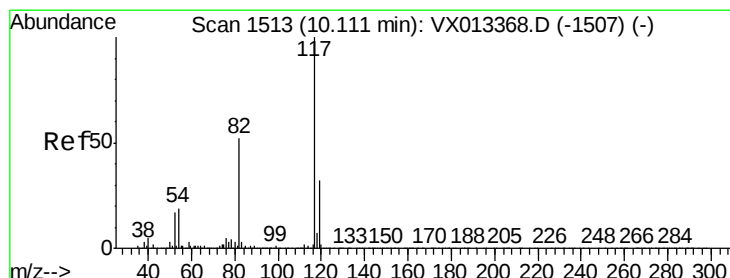
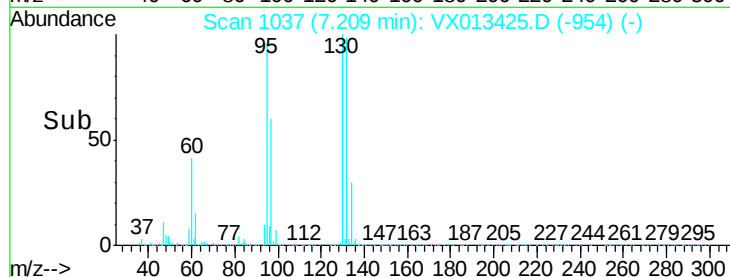
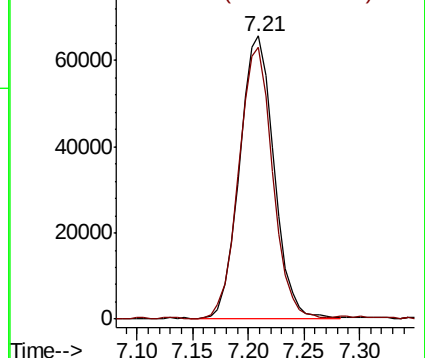
130 100

95 96.2 71.3 106.9



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VX0



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VX013425.D

Acq: 14 Nov 2019 16:22

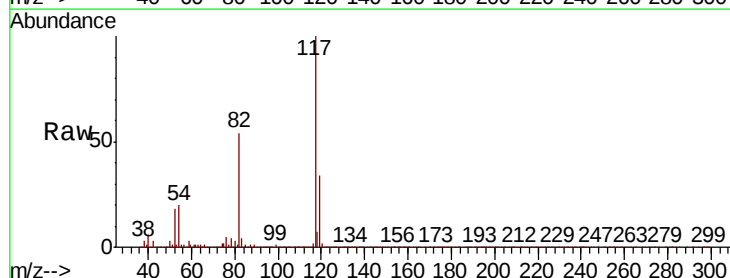
Tgt Ion:117 Resp: 577796

Ion Ratio Lower Upper

117 100

82 54.3 43.7 65.5

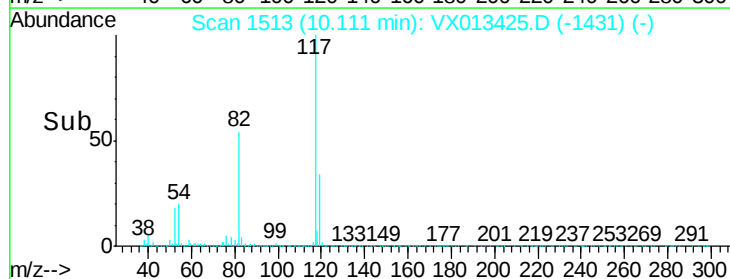
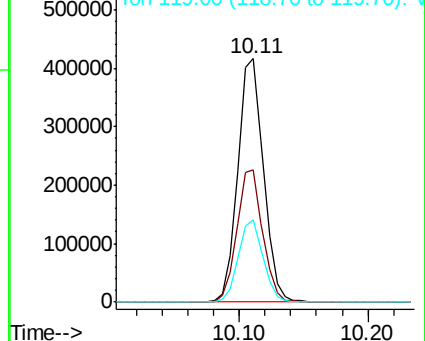
119 32.6 25.5 38.3

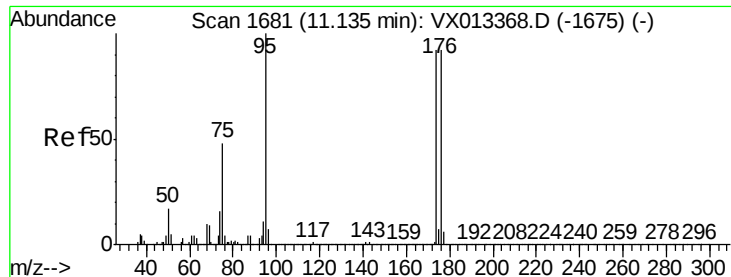


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 119.00 (118.70 to 119.70): V

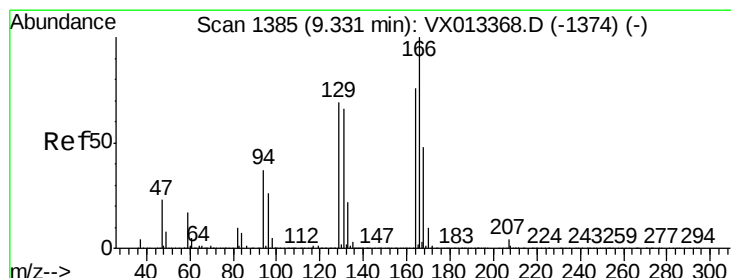
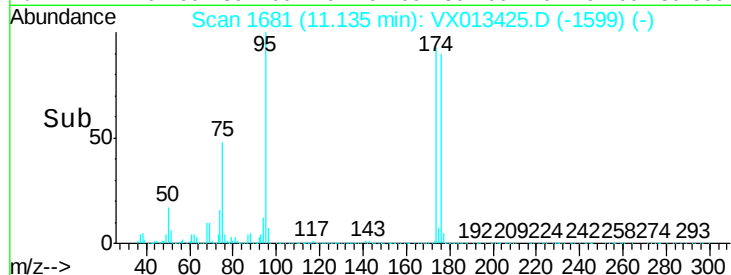
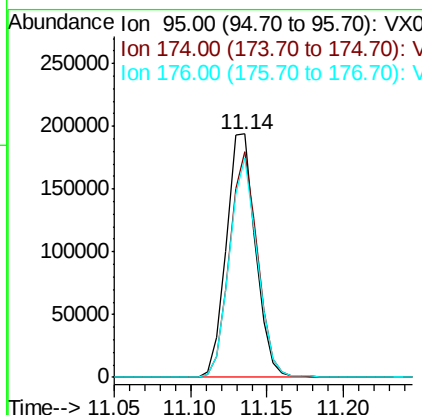
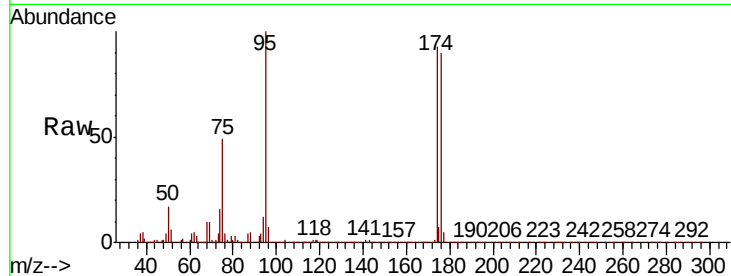




#60
4-Bromofluorobenzene
Concen: 27.657 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VX013425.D
Acq: 14 Nov 2019 16:22

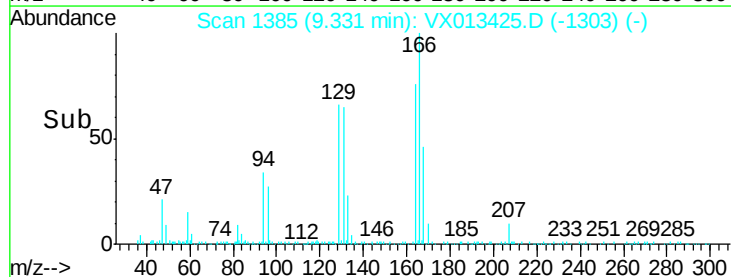
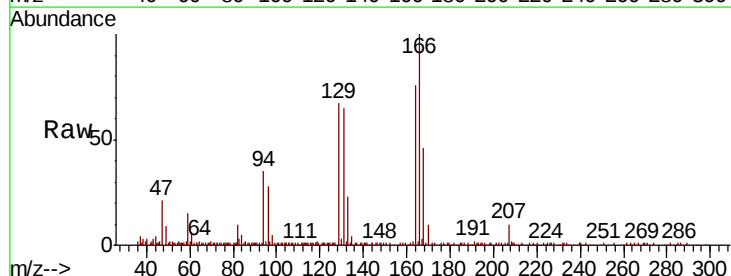
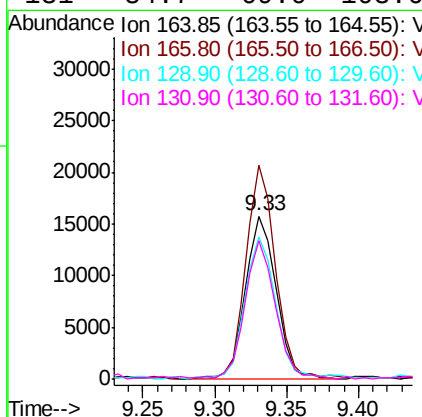
Instrument :
MSVOA_X
ClientSampled :
GE-MW-58-1DL

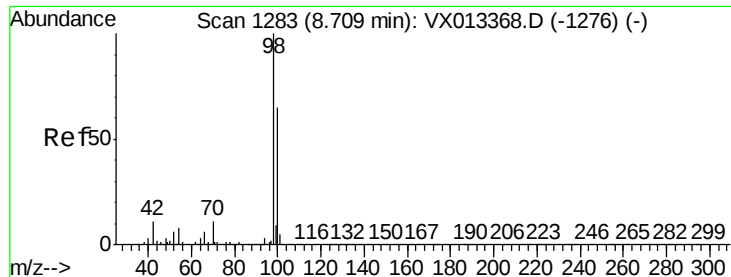
Tot Ion	95	Resp	256844
Ion Ratio	Lower	Upper	
95	100		
174	88.5	70.2	105.2
176	86.0	68.3	102.5



#61
Tetrachloroethene
Concen: 3.272 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX013425.D
Acq: 14 Nov 2019 16:22

Tgt Ion	164	Resp	23316
Ion Ratio	Lower	Upper	
164	100		
166	131.3	104.9	157.3
129	87.6	72.3	108.5
131	84.7	69.0	103.6





#63

Toluene-d8

Concen: 30.063 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX013425.D

Acq: 14 Nov 2019 16:22

Instrument :

MSVOA_X

ClientSampleId :

GE-MW-58-1DL

Tot Ion: 98 Resp: 785483

Ion Ratio Lower Upper

98 100

100 65.3 52.5 78.7

