

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX021619\
 Data File : VX007564.D
 Acq On : 15 Feb 2019 13:32
 Operator : JC/SP
 Sample : K1495-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SPDES-1

Quant Time: Feb 15 13:51:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X021319W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Feb 13 07:51:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.03	128	75322	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.86	114	389522	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.12	117	330775	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.07	65	147706	30.31	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	101.03%
60) 4-Bromofluorobenzene	11.13	95	138279	27.24	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	90.80%
63) Toluene-d8	8.71	98	448015	29.97	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.90%

Target Compounds

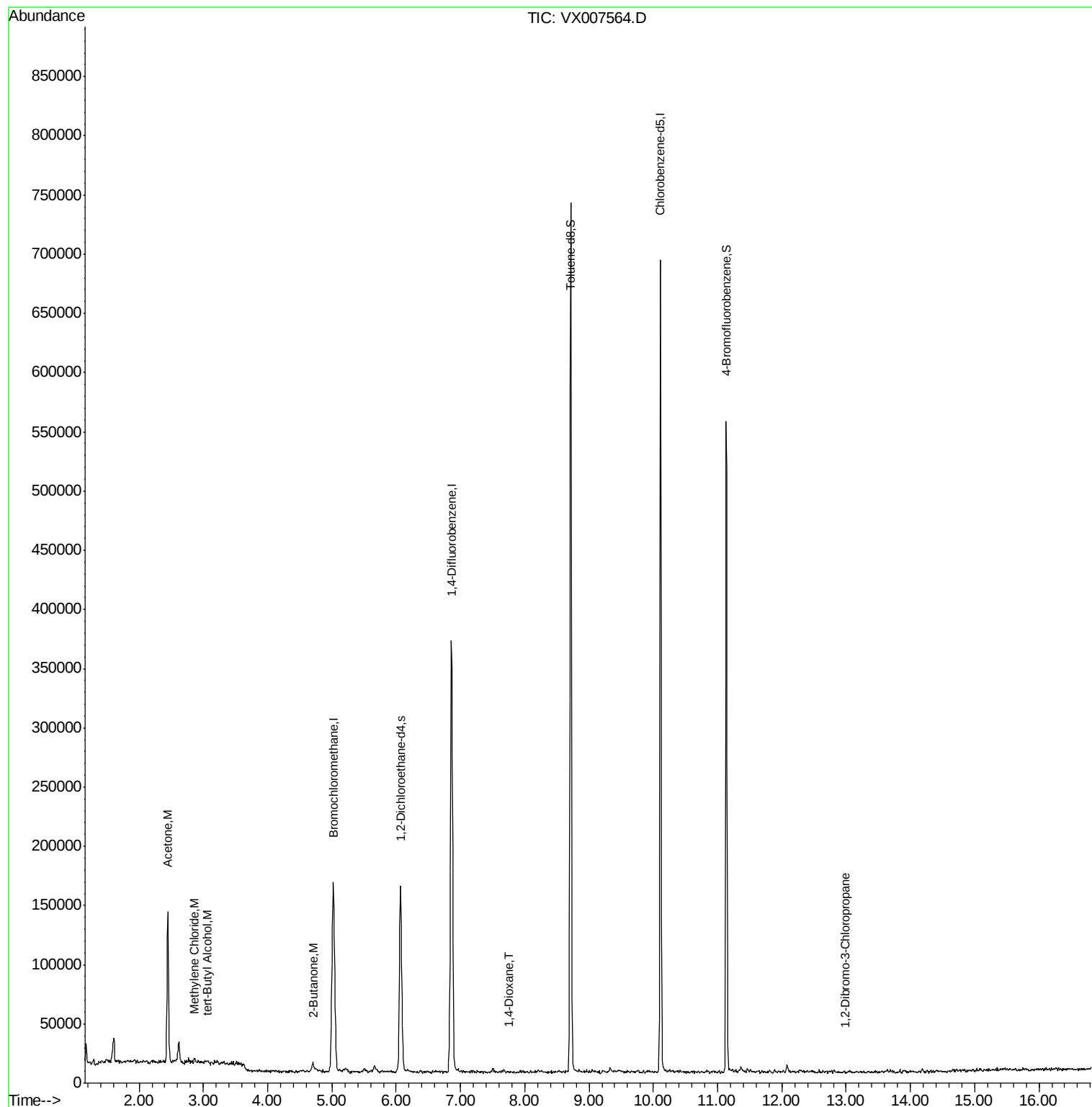
					Qvalue	
15) Acetone	2.45	58	42563	59.646	ug/l	91
18) Methylene Chloride	2.86	84	1634	0.351	ug/l #	73
23) tert-Butyl Alcohol	3.06	59	1088	0.984	ug/l #	95
30) 2-Butanone	4.71	43	11479	3.570	ug/l #	70
45) 1,4-Dioxane	7.74	88	23	0.205	ug/l #	1
88) 1,2-Dibromo-3-Chloropropan	12.99	75	289	0.217	ug/l #	2

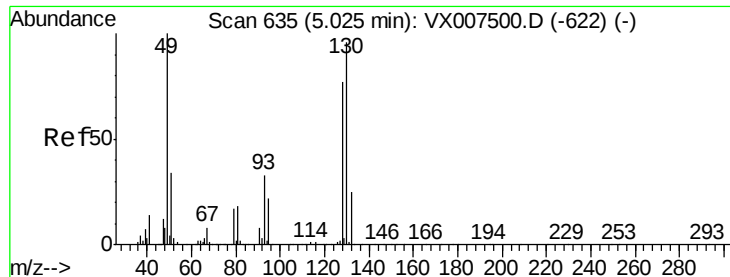
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Feb 13 07:51:18 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 5.03 min Scan# 635

Delta R.T. -0.00 min

Lab File: VX007564.D

Acq: 15 Feb 2019 13:32

Instrument :

MSVOA_X

ClientSampleId :

SPDES-1

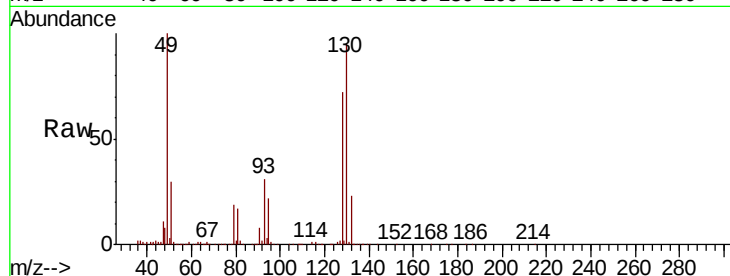
Tgt Ion:128 Resp: 75322

Ion Ratio Lower Upper

128 100

49 137.0 0.0 350.8

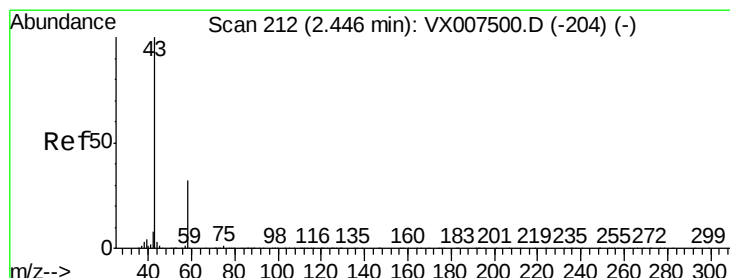
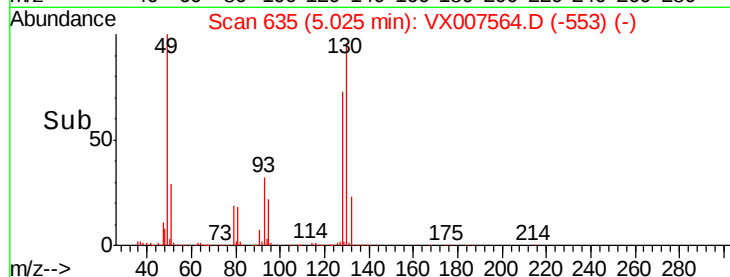
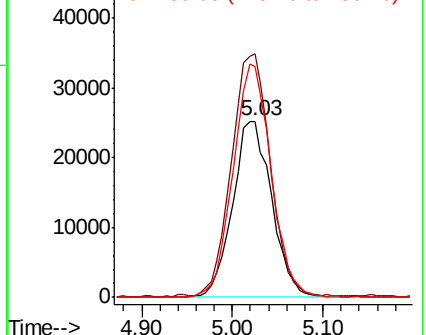
130 129.2 0.0 325.8



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



#15

Acetone

Concen: 59.646 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX007564.D

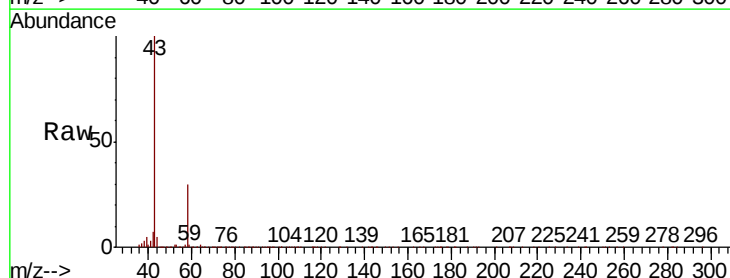
Acq: 15 Feb 2019 13:32

Tgt Ion: 58 Resp: 42563

Ion Ratio Lower Upper

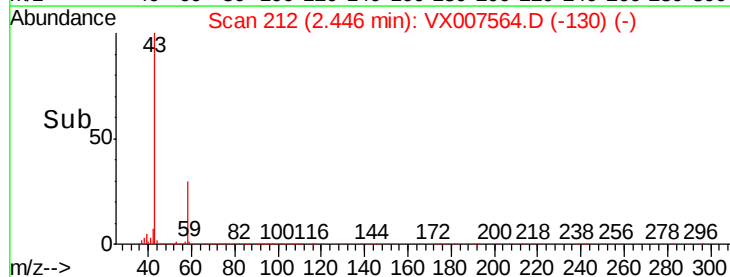
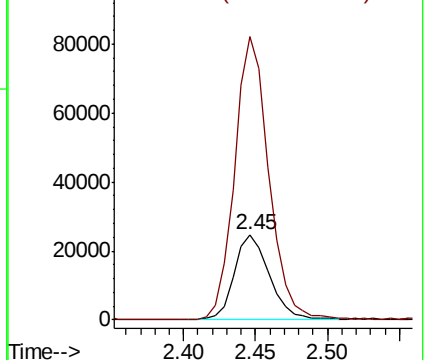
58 100

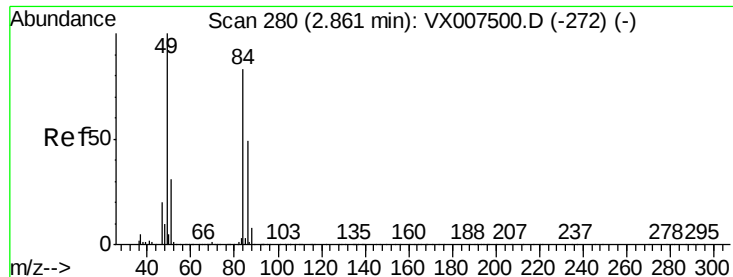
43 330.0 249.8 374.6



Abundance Ion 58.00 (57.70 to 58.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

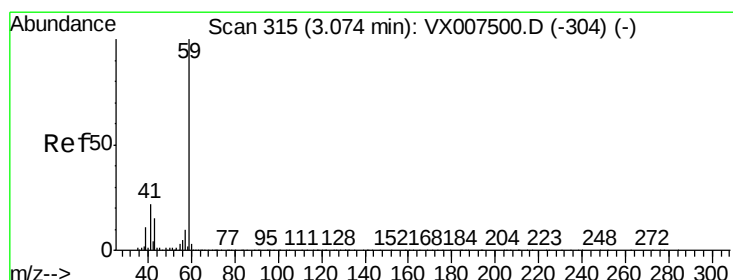
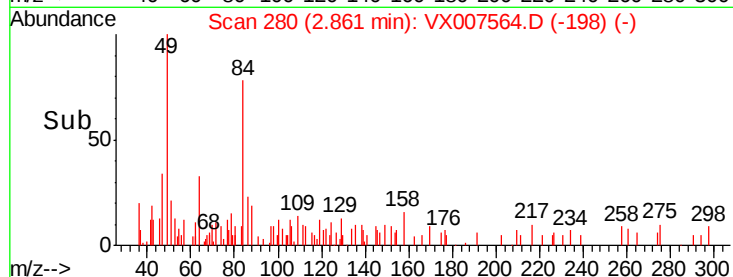
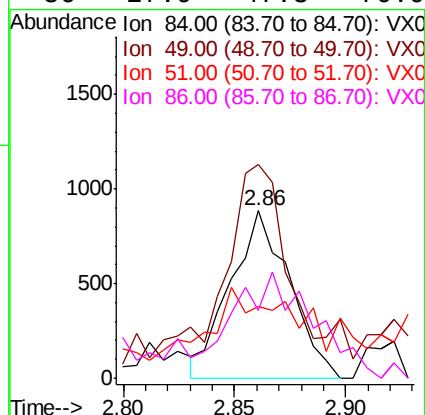
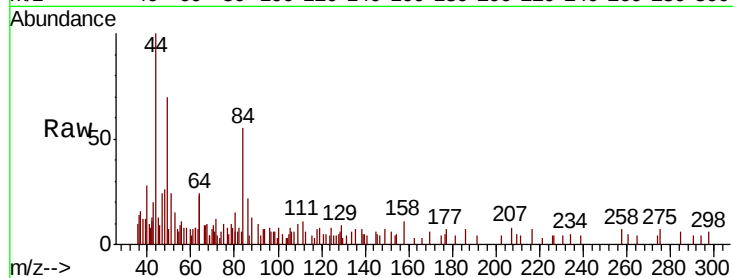




#18
Methylene Chloride
Concen: 0.351 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.00 min
Lab File: VX007564.D
Acq: 15 Feb 2019 13:32

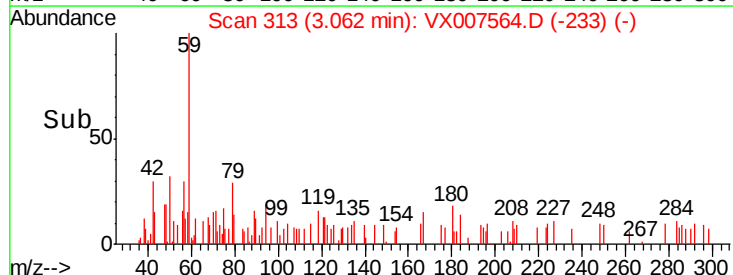
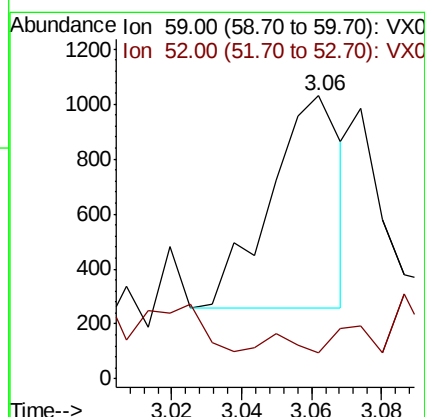
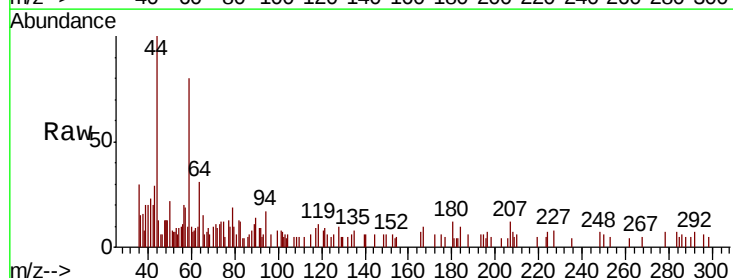
Instrument :
MSVOA_X
ClientSampleId :
SPDES-1

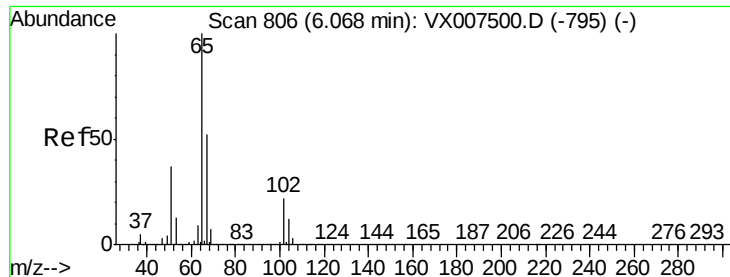
Tgt Ion: 84 Resp: 1634
Ion Ratio Lower Upper
84 100
49 96.8 96.1 144.1
51 21.3 29.1 43.7#
86 27.9 47.3 70.9#



#23
tert-Butyl Alcohol
Concen: 0.984 ug/l
RT: 3.06 min Scan# 313
Delta R.T. -0.01 min
Lab File: VX007564.D
Acq: 15 Feb 2019 13:32

Tgt Ion: 59 Resp: 1088
Ion Ratio Lower Upper
59 100
52 6.2 0.2 0.2#

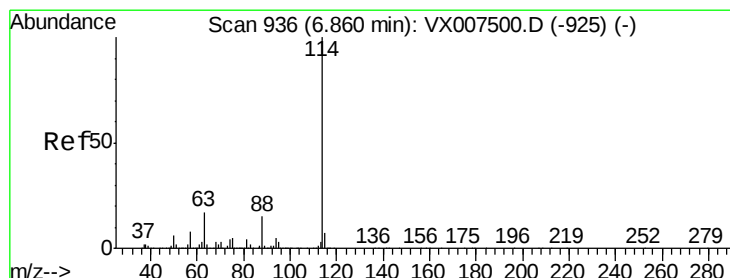
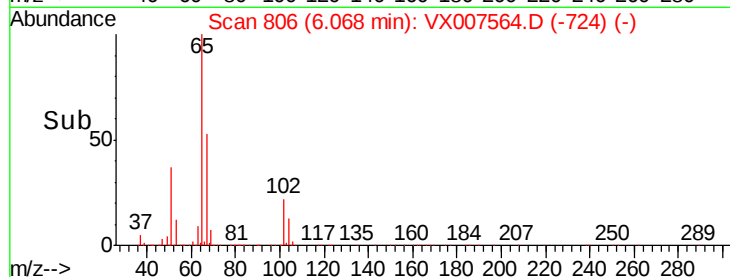
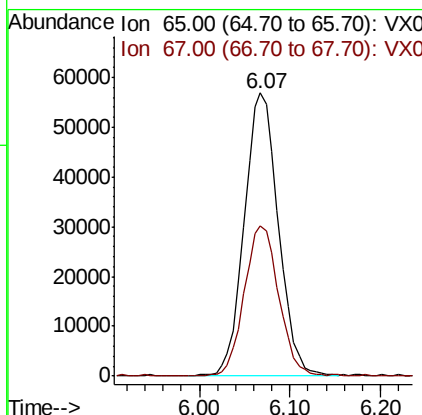
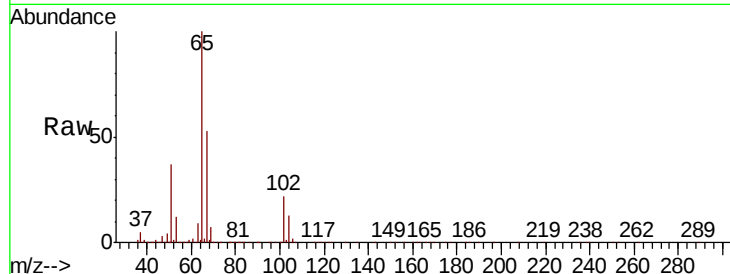




#27
 1,2-Dichloroethane-d4
 Concen: 30.315 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.00 min
 Lab File: VX007564.D
 Acq: 15 Feb 2019 13:32

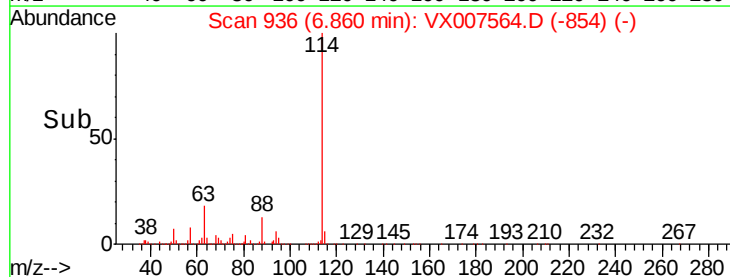
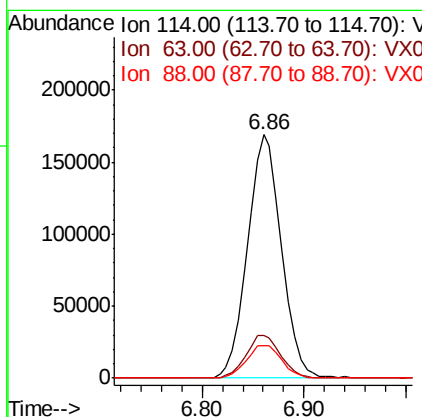
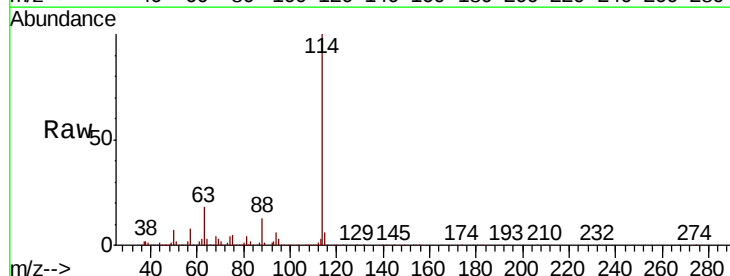
Instrument :
 MSVOA_X
 ClientSampleId :
 SPDES-1

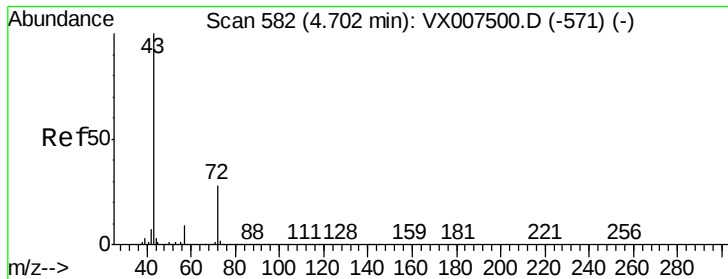
Tgt Ion: 65 Resp: 147706
 Ion Ratio Lower Upper
 65 100
 67 53.7 42.9 64.3



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX007564.D
 Acq: 15 Feb 2019 13:32

Tgt Ion: 114 Resp: 389522
 Ion Ratio Lower Upper
 114 100
 63 18.0 14.2 21.4
 88 14.4 11.9 17.9

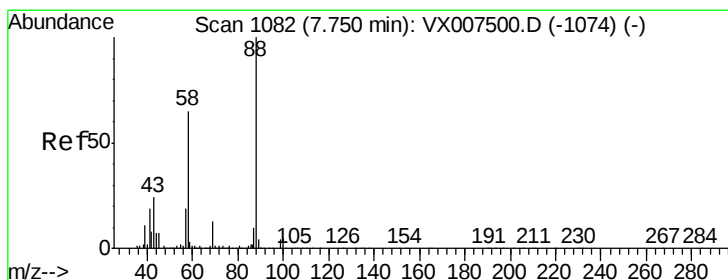
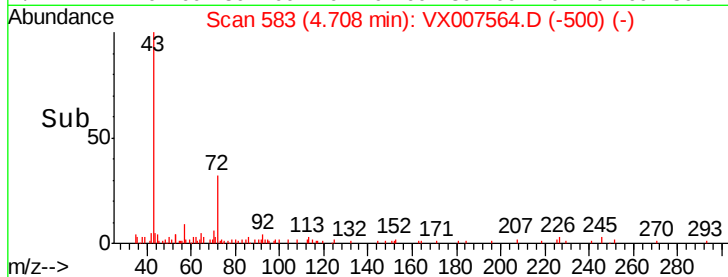
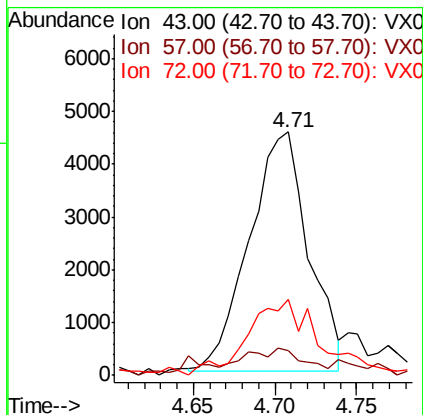
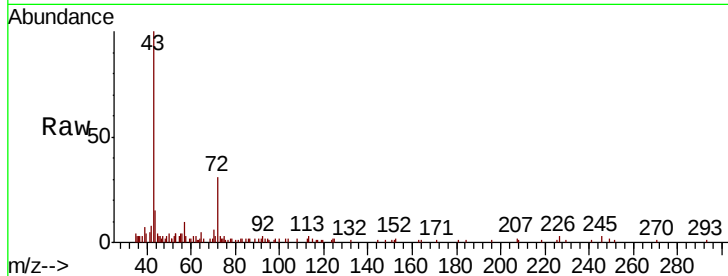




#30
2-Butanone
Concen: 3.570 ug/l
RT: 4.71 min Scan# 583
Delta R.T. 0.01 min
Lab File: VX007564.D
Acq: 15 Feb 2019 13:32

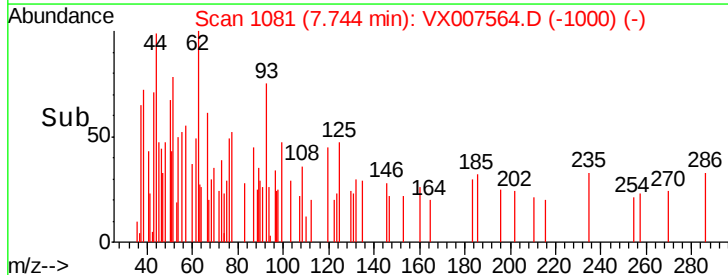
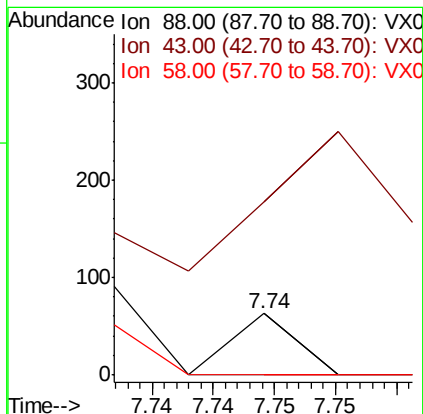
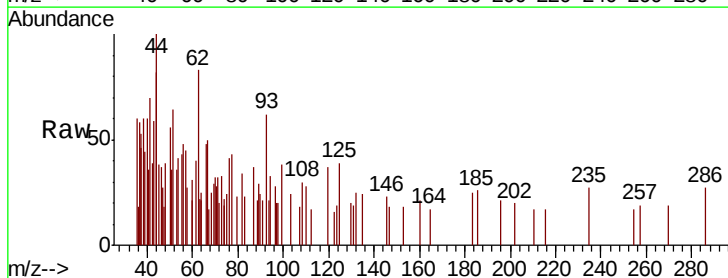
Instrument :
MSVOA_X
ClientSampleId :
SPDES-1

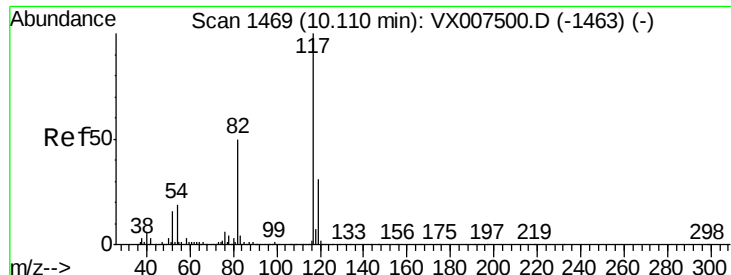
Tgt Ion: 43 Resp: 11479
Ion Ratio Lower Upper
43 100
57 4.0 7.0 10.6#
72 8.3 21.5 32.3#



#45
1,4-Dioxane
Concen: 0.205 ug/l
RT: 7.74 min Scan# 1081
Delta R.T. -0.01 min
Lab File: VX007564.D
Acq: 15 Feb 2019 13:32

Tgt Ion: 88 Resp: 23
Ion Ratio Lower Upper
88 100
43 1343.5 23.6 35.4#
58 278.3 51.6 77.4#

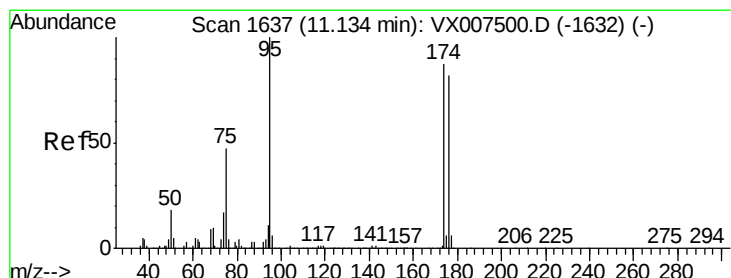
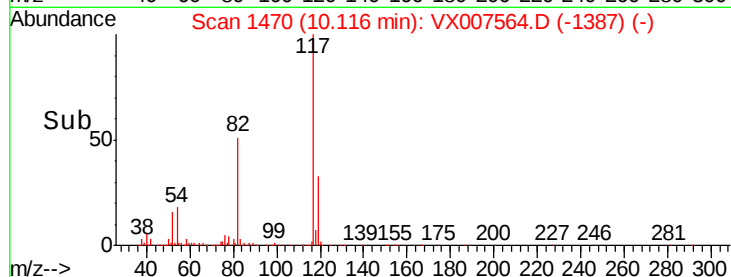
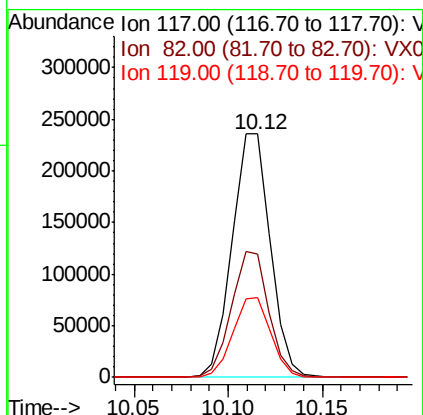
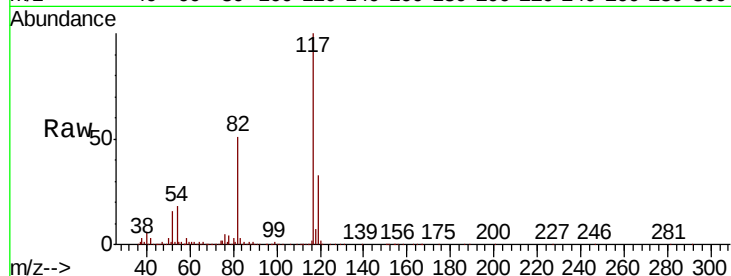




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX007564.D
Acq: 15 Feb 2019 13:32

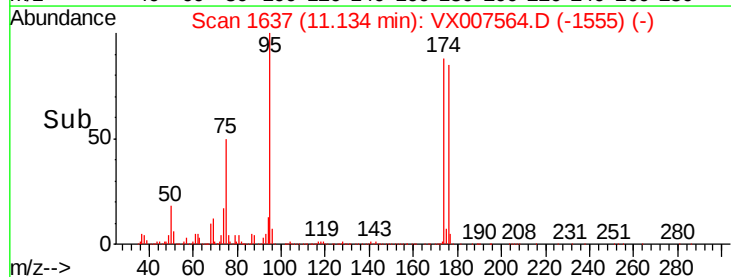
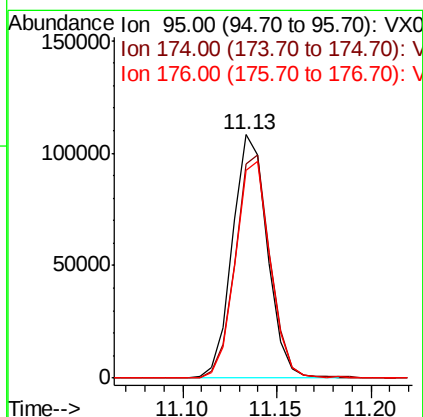
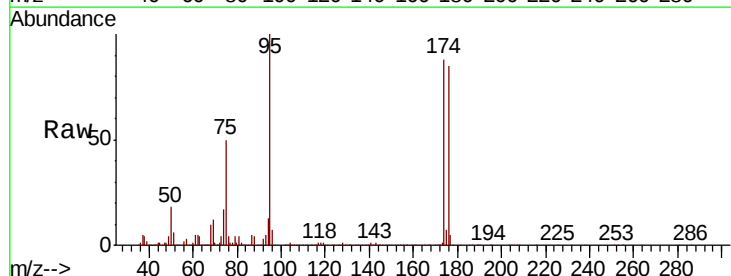
Instrument :
MSVOA_X
ClientSampleId :
SPDES-1

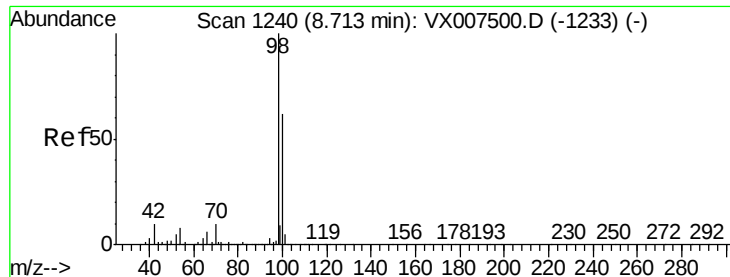
Tgt Ion	Ratio	Lower	Upper
117	100		
82	50.8	40.4	60.6
119	32.4	25.8	38.6



#60
4-Bromofluorobenzene
Concen: 27.238 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX007564.D
Acq: 15 Feb 2019 13:32

Tgt Ion	Ratio	Lower	Upper
95	100		
174	91.8	74.9	112.3
176	88.8	70.7	106.1





#63

Toluene-d8

Concen: 29.967 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX007564.D

Acq: 15 Feb 2019 13:32

Instrument :

MSVOA_X

ClientSampleId :

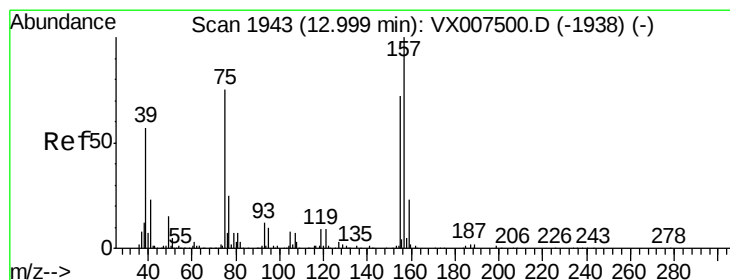
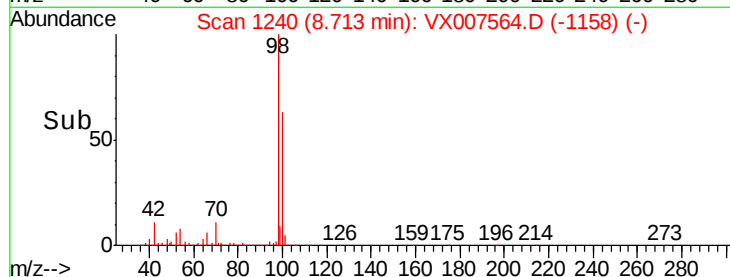
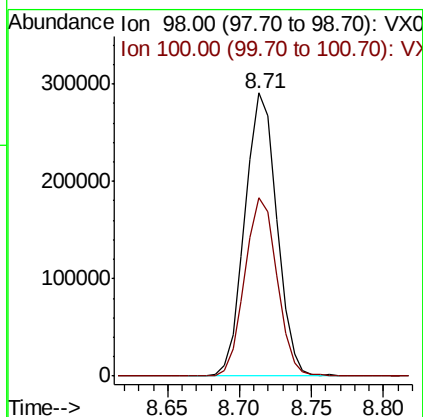
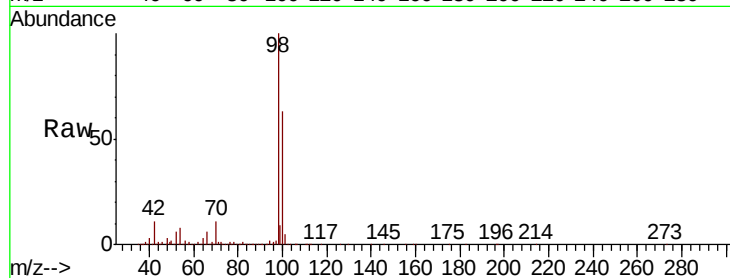
SPDES-1

Tgt Ion: 98 Resp: 448015

Ion Ratio Lower Upper

98 100

100 63.4 50.9 76.3



#88

1,2-Dibromo-3-Chloropropane

Concen: 0.217 ug/l

RT: 12.99 min Scan# 1942

Delta R.T. -0.01 min

Lab File: VX007564.D

Acq: 15 Feb 2019 13:32

Tgt Ion: 75 Resp: 289

Ion Ratio Lower Upper

75 100

155 19.4 81.0 121.6#

157 0.0 103.2 154.8#

