

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX122719\
 Data File : VX014325.D
 Acq On : 27 Dec 2019 21:34
 Operator : JC/SP
 Sample : K6449-11
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 DUPLICATE

Quant Time: Dec 30 05:40:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 17 03:01:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	490536	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	760301	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	672228	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	293183	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	274315	49.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.68%	
35) Dibromofluoromethane	5.49	113	226550	49.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.04%	
50) Toluene-d8	8.71	98	901985	50.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.26%	
62) 4-Bromofluorobenzene	11.13	95	297776	45.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.54%	

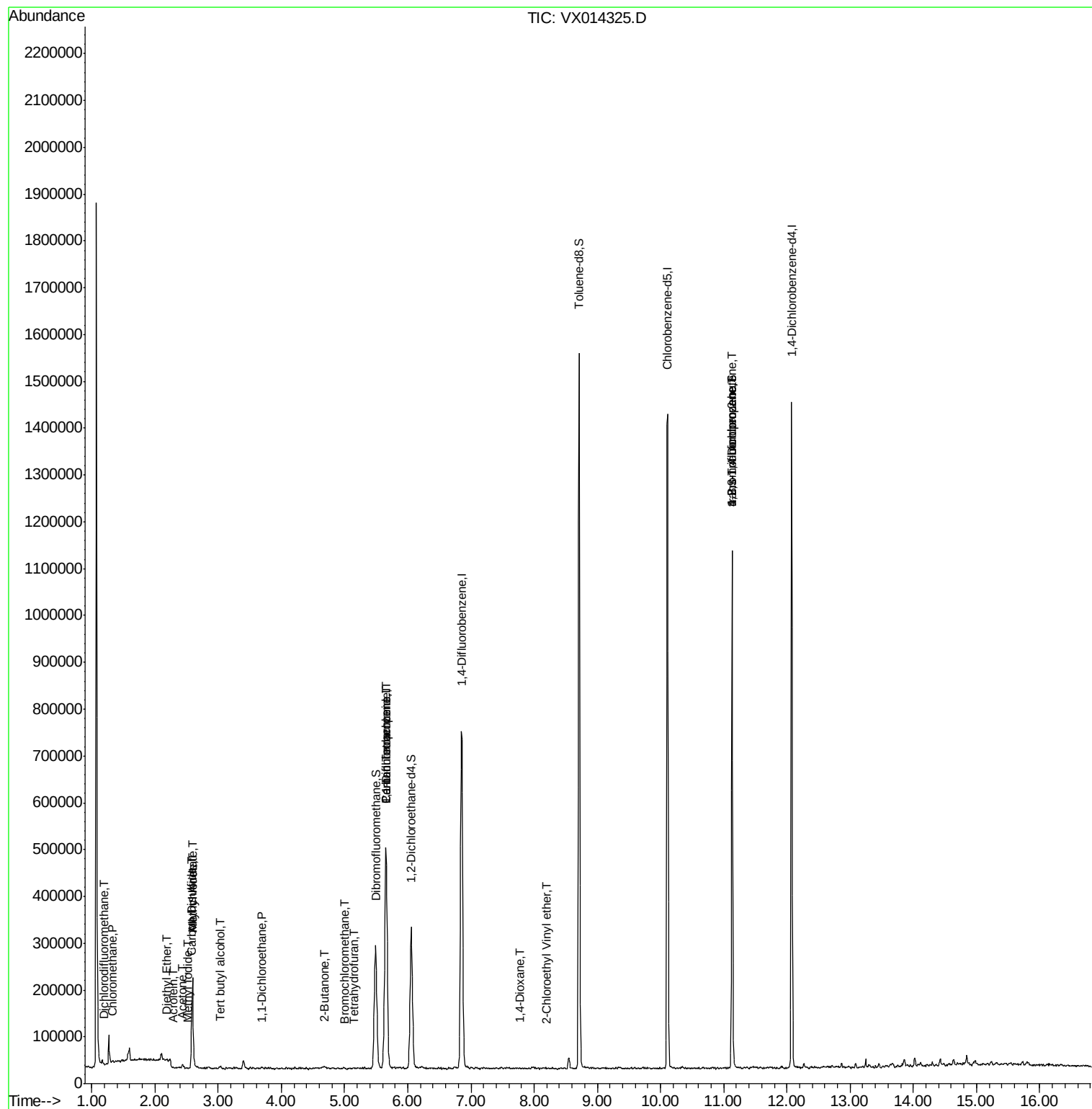
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.19	85	903	0.206	ug/l	80
3) Chloromethane	1.32	50	2098	0.356	ug/l	97
8) Diethyl Ether	2.19	74	1101	0.305	ug/l	62
10) Methyl Iodide	2.53	142	643	2.720	ug/l #	43
11) Tert butyl alcohol	3.03	59	6012	5.005	ug/l	97
13) Acrolein	2.28	56	238	0.346	ug/l #	14
14) Allyl chloride	2.59	41	21384	2.538	ug/l #	76
16) Acetone	2.44	43	10956	3.035	ug/l	96
17) Carbon Disulfide	2.58	76	1038	0.828	ug/l #	50
18) Methyl Acetate	2.59	43	51769	7.238	ug/l #	51
24) 1,1-Dichloroethane	3.69	63	2015	0.216	ug/l #	85
25) 2-Butanone	4.68	43	1245	0.280	ug/l #	50
28) Bromochloromethane	5.01	49	305	0.538	ug/l #	93
29) Tetrahydrofuran	5.15	42	1413	0.568	ug/l #	64
36) 1,1-Dichloropropene	5.65	75	33355	4.781	ug/l #	49
38) Carbon Tetrachloride	5.65	117	43578	6.857	ug/l #	19
49) 1,4-Dioxane	7.78	88	388	3.054	ug/l #	1
58) 2-Chloroethyl Vinyl ether	8.20	63	999	0.309	ug/l	95
76) 1,2,3-Trichloropropane	11.13	75	144864	22.760	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.13	75	144864	64.240	ug/l #	12

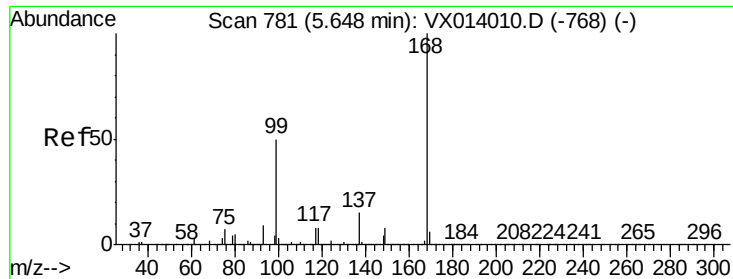
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
Quant Title : SW846 8260
QLast Update : Tue Dec 17 03:01:07 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.01 min

Lab File: VX014325.D

Acq: 27 Dec 2019 21:34

Instrument :

MSVOA_X

ClientSampleId :

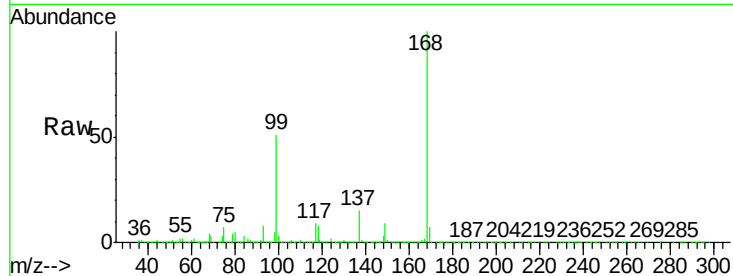
DUPLICATE

Tgt Ion:168 Resp: 490536

Ion Ratio Lower Upper

168 100

99 50.6 40.3 60.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

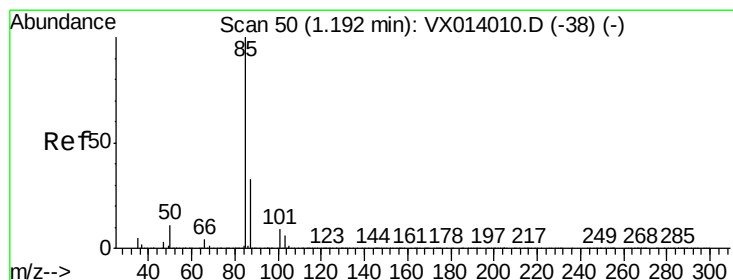
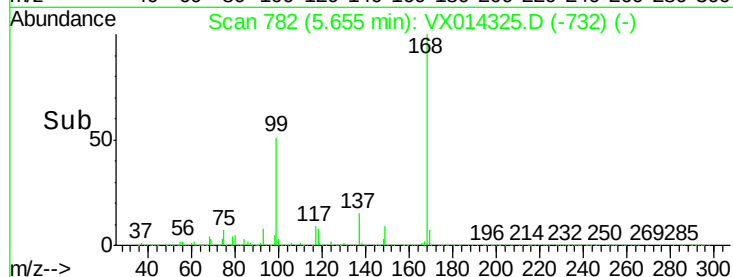
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 0.206 ug/l

RT: 1.19 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX014325.D

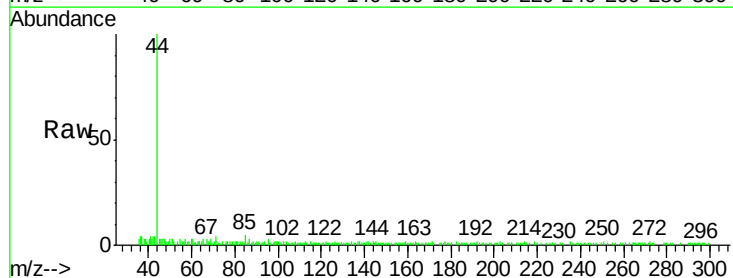
Acq: 27 Dec 2019 21:34

Tgt Ion: 85 Resp: 903

Ion Ratio Lower Upper

85 100

87 43.8 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.19

500

400

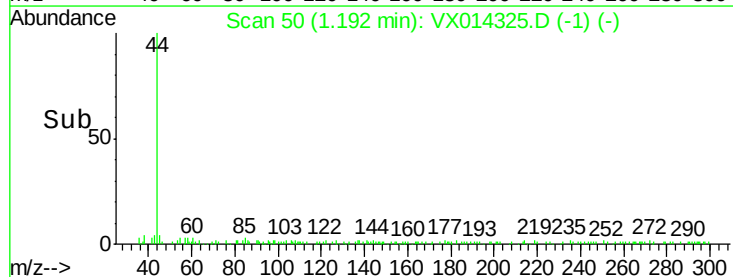
300

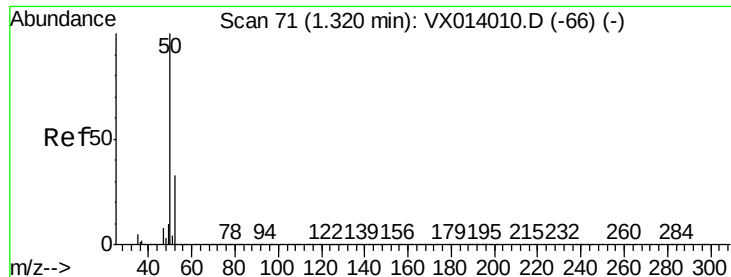
200

100

0

Time-->





#3

Chloromethane

Concen: 0.356 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VX014325.D

Acq: 27 Dec 2019 21:34

Instrument :

MSVOA_X

ClientSampleId :

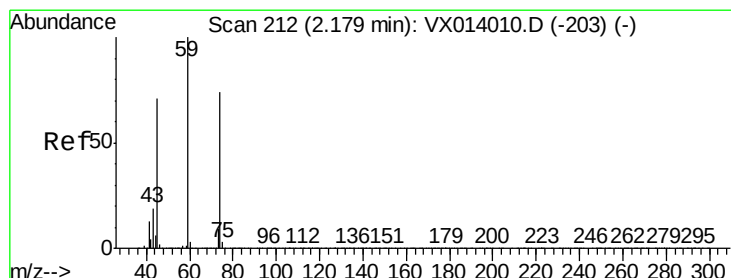
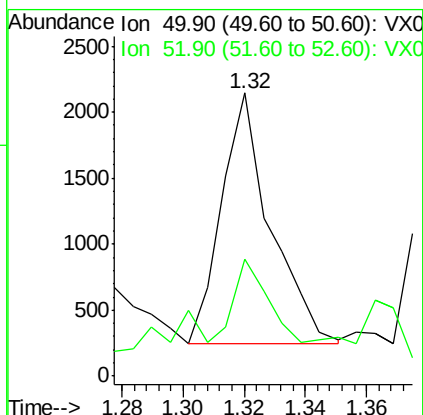
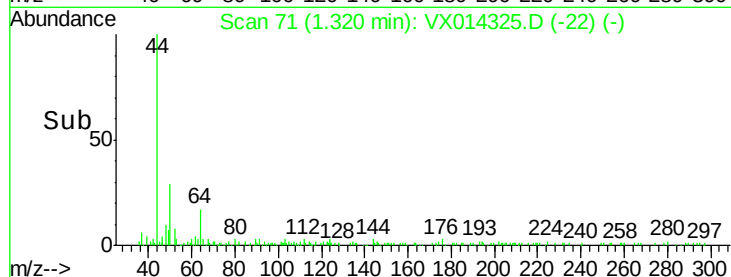
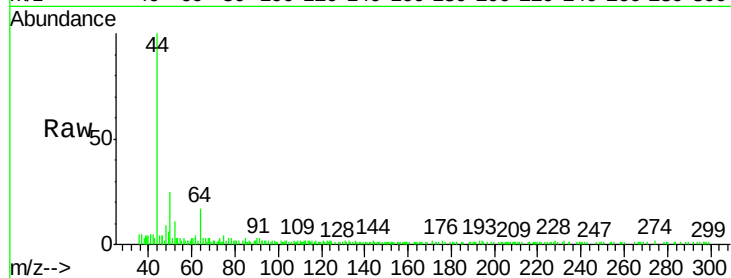
DUPLICATE

Tgt Ion: 50 Resp: 2098

Ion Ratio Lower Upper

50 100

52 31.1 26.2 39.4



#8

Diethyl Ether

Concen: 0.305 ug/l

RT: 2.19 min Scan# 213

Delta R.T. 0.01 min

Lab File: VX014325.D

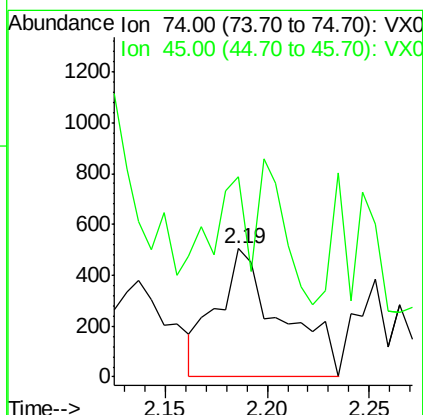
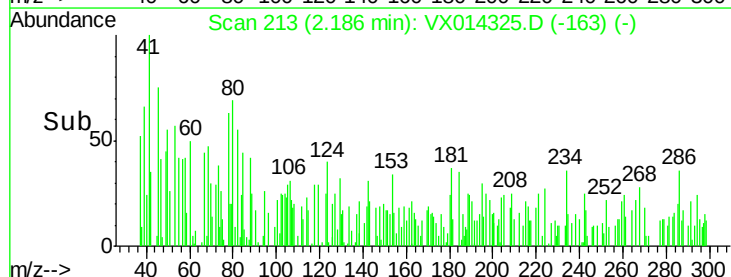
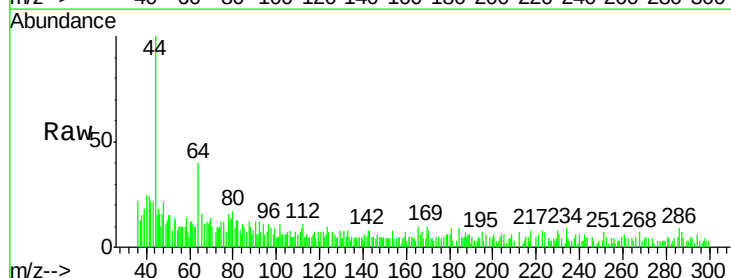
Acq: 27 Dec 2019 21:34

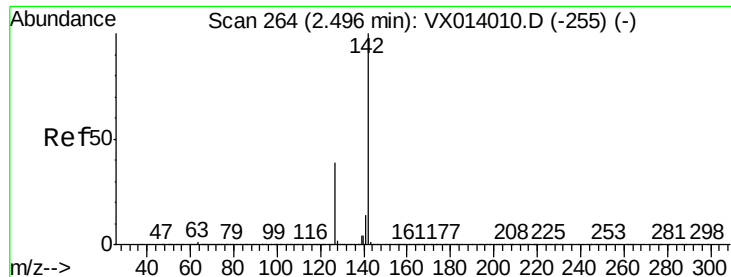
Tgt Ion: 74 Resp: 1101

Ion Ratio Lower Upper

74 100

45 59.5 48.1 144.3

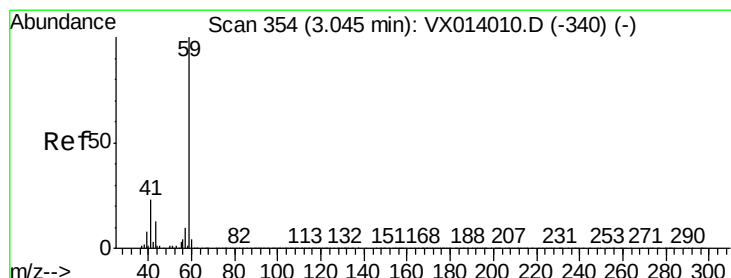
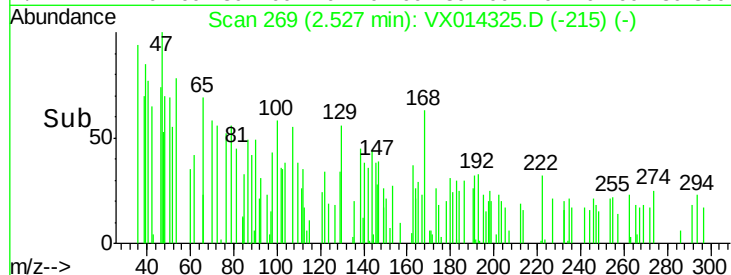
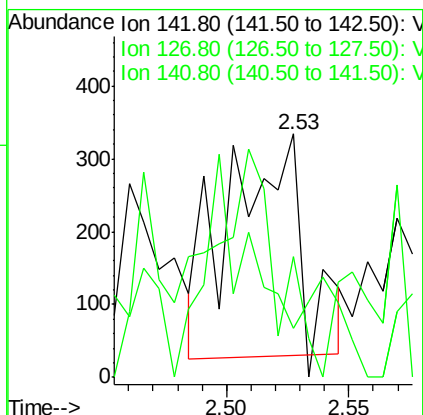
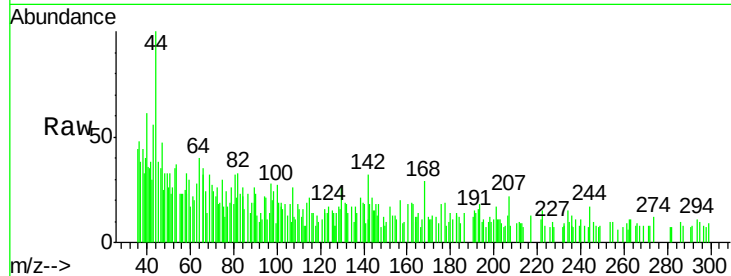




#10
Methyl Iodide
Concen: 2.720 ug/l
RT: 2.53 min Scan# 269
Delta R.T. 0.03 min
Lab File: VX014325.D
Acq: 27 Dec 2019 21:34

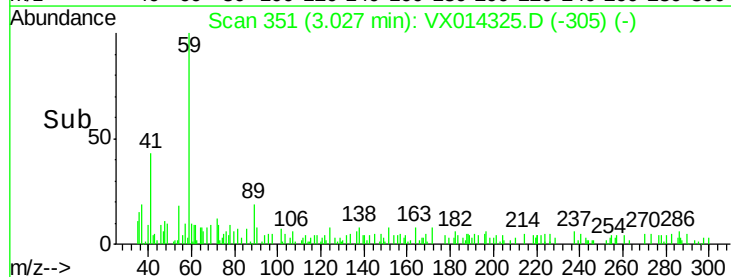
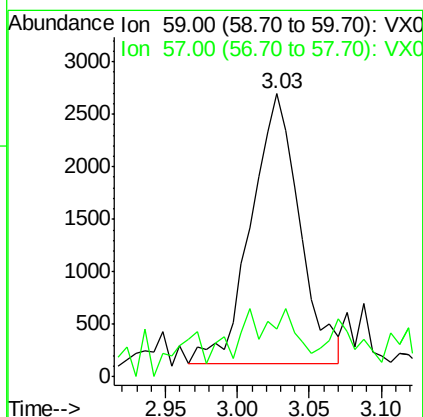
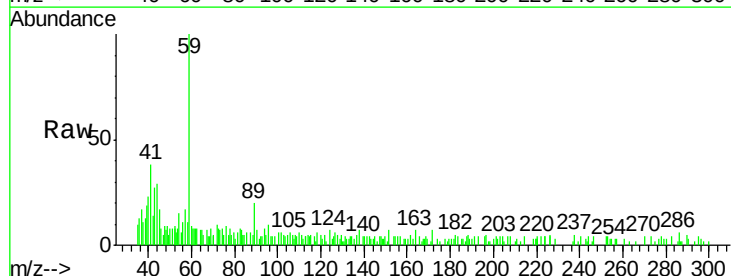
Instrument :
MSVOA_X
ClientSampled :
DUPLICATE

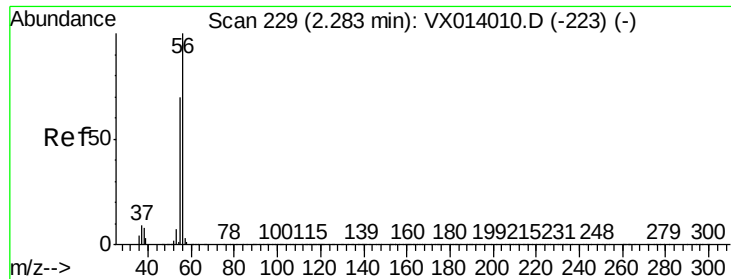
Tgt Ion: 142 Resp: 643
Ion Ratio Lower Upper
142 100
127 0.0 31.6 47.4#
141 0.0 11.6 17.4#



#11
Tert butyl alcohol
Concen: 5.005 ug/l
RT: 3.03 min Scan# 351
Delta R.T. -0.02 min
Lab File: VX014325.D
Acq: 27 Dec 2019 21:34

Tgt Ion: 59 Resp: 6012
Ion Ratio Lower Upper
59 100
57 9.5 8.4 12.6





#13

Acrolein

Concen: 0.346 ug/l

RT: 2.28 min Scan# 229

Delta R.T. 0.00 min

Lab File: VX014325.D

Acq: 27 Dec 2019 21:34

Instrument :

MSVOA_X

ClientSampleId :

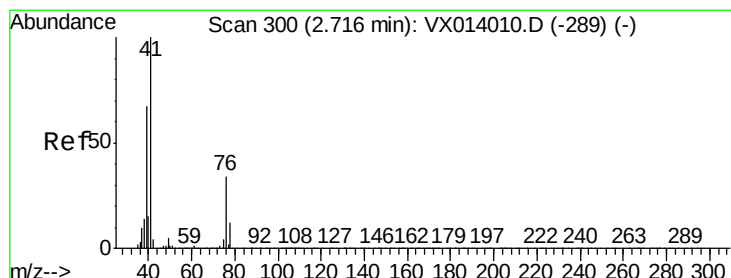
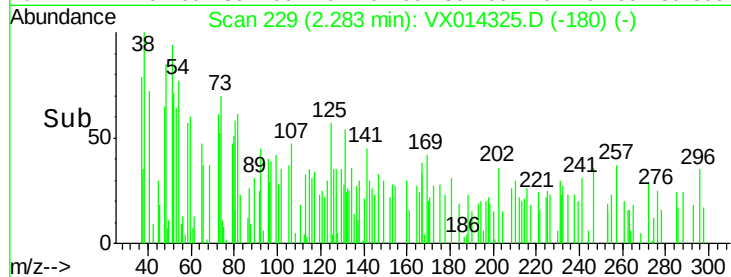
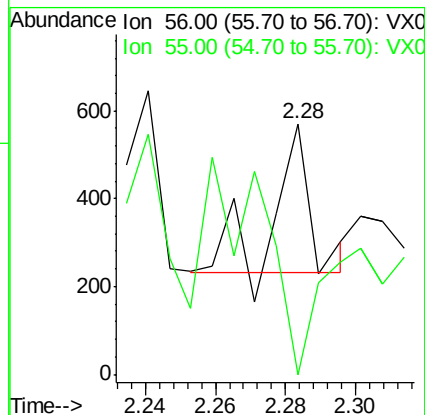
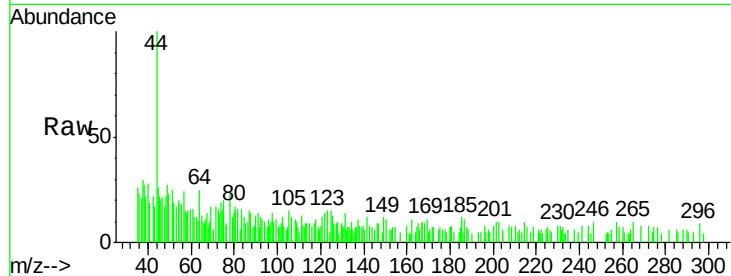
DUPLICATE

Tgt Ion: 56 Resp: 238

Ion Ratio Lower Upper

56 100

55 0.0 56.9 85.3#



#14

Allyl chloride

Concen: 2.538 ug/l

RT: 2.59 min Scan# 279

Delta R.T. -0.13 min

Lab File: VX014325.D

Acq: 27 Dec 2019 21:34

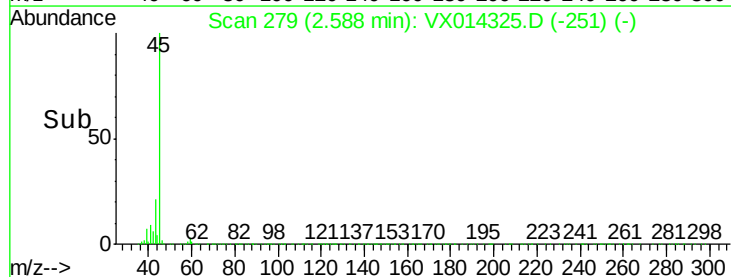
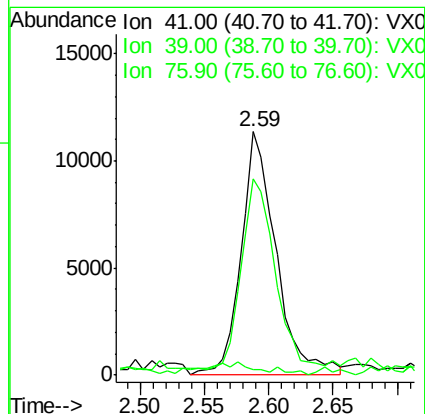
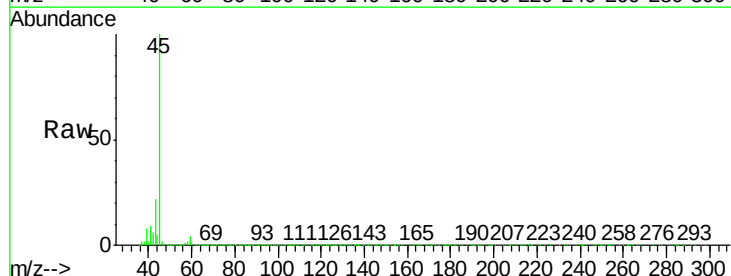
Tgt Ion: 41 Resp: 21384

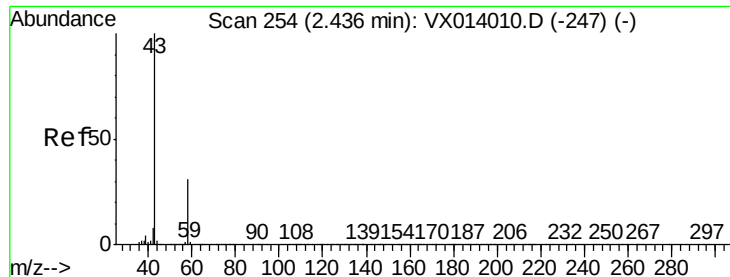
Ion Ratio Lower Upper

41 100

39 74.0 51.8 77.8

76 4.9 25.9 38.9#





#16

Acetone

Concen: 3.035 ug/l

RT: 2.44 min Scan# 254

Delta R.T. 0.00 min

Lab File: VX014325.D

Acq: 27 Dec 2019 21:34

Instrument :

MSVOA_X

ClientSampleId :

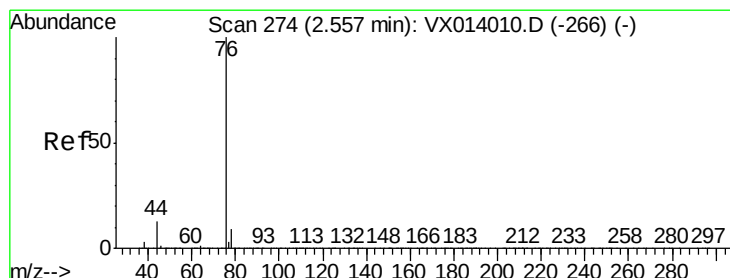
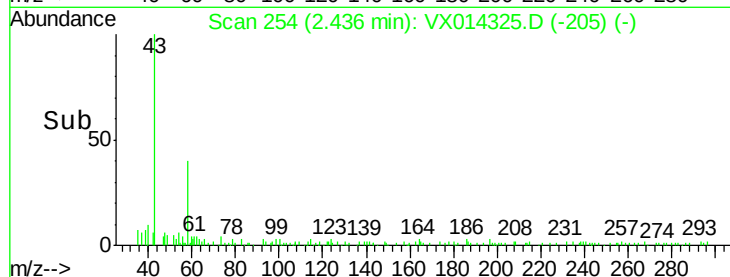
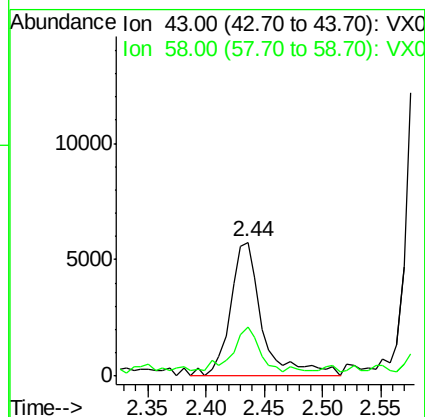
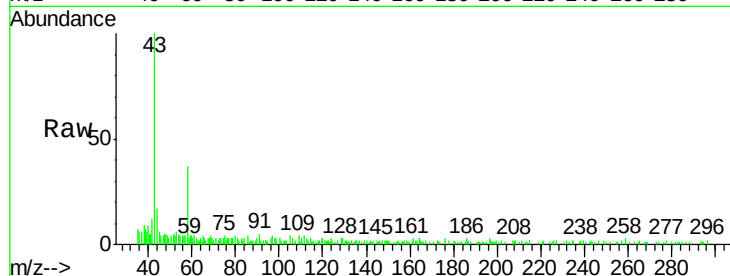
DUPLICATE

Tgt Ion: 43 Resp: 10956

Ion Ratio Lower Upper

43 100

58 33.3 24.9 37.3



#17

Carbon Disulfide

Concen: 0.828 ug/l

RT: 2.58 min Scan# 277

Delta R.T. 0.02 min

Lab File: VX014325.D

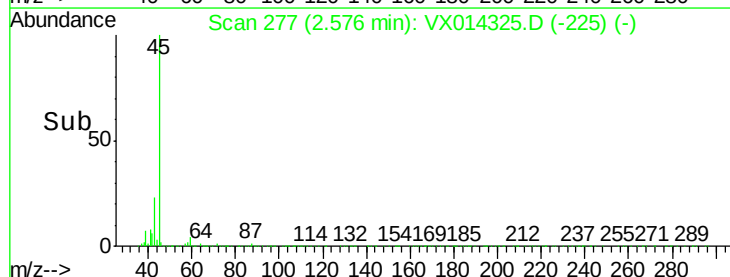
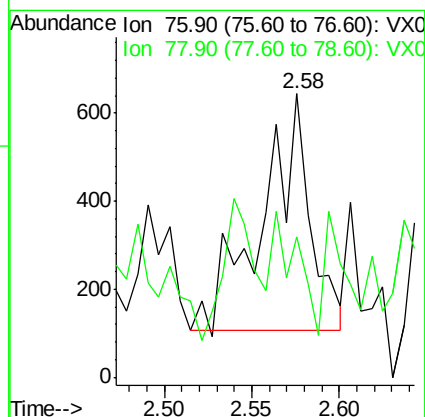
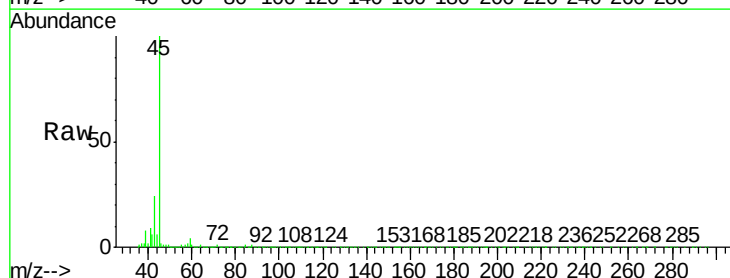
Acq: 27 Dec 2019 21:34

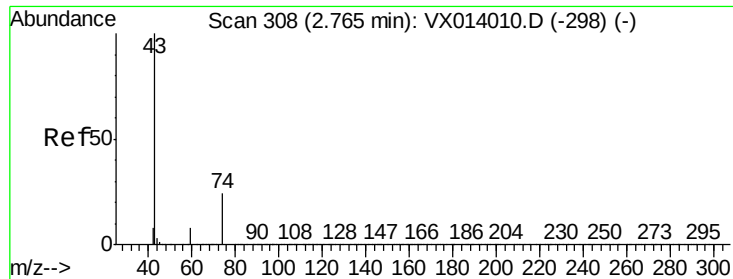
Tgt Ion: 76 Resp: 1038

Ion Ratio Lower Upper

76 100

78 27.1 7.2 10.8#

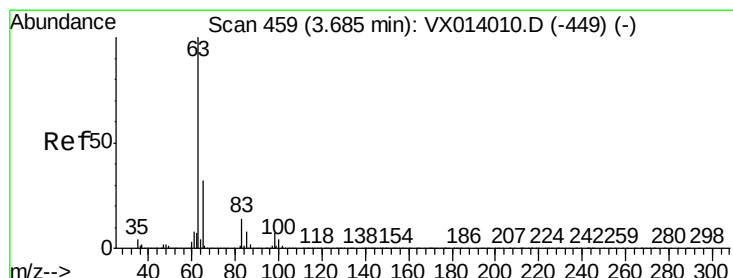
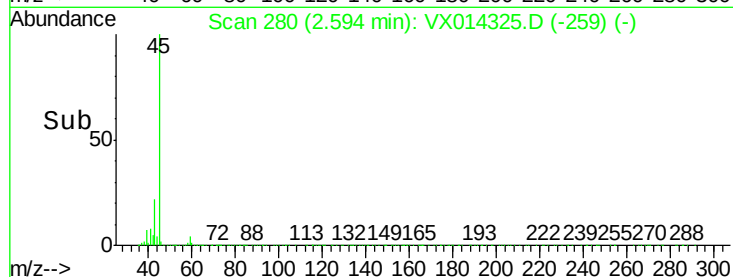
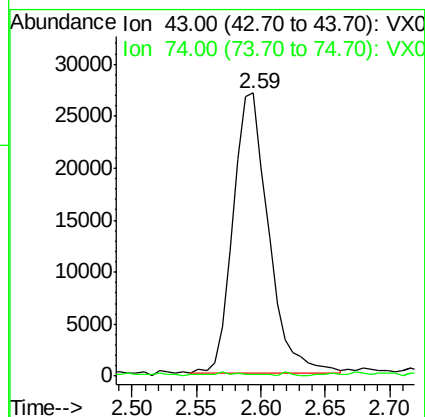
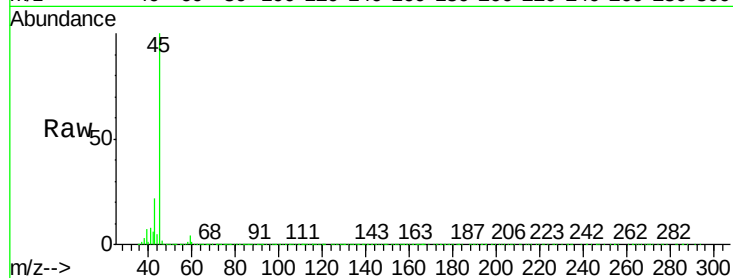




#18
Methyl Acetate
Concen: 7.238 ug/l
RT: 2.59 min Scan# 280
Delta R.T. -0.17 min
Lab File: VX014325.D
Acq: 27 Dec 2019 21:34

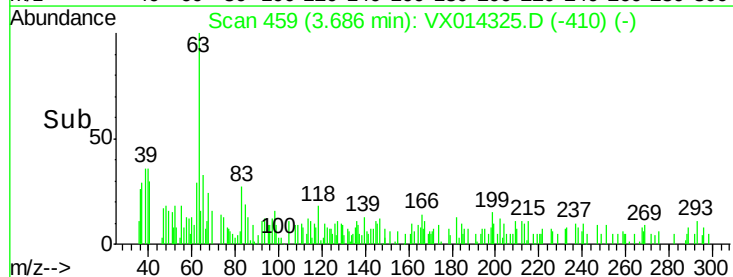
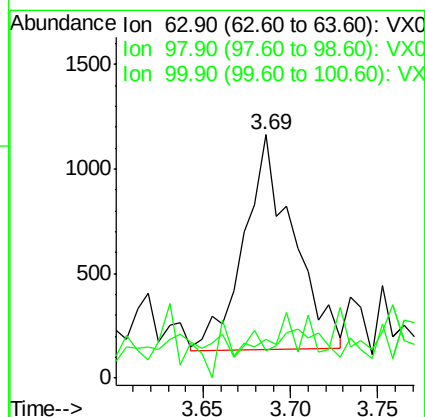
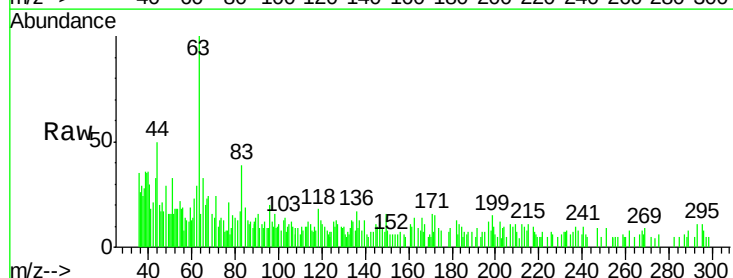
Instrument :
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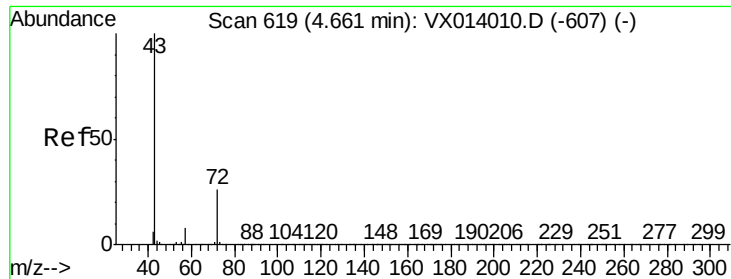
Tgt Ion: 43 Resp: 51769
Ion Ratio Lower Upper
43 100
74 0.0 19.5 29.3#



#24
1,1-Dichloroethane
Concen: 0.216 ug/l
RT: 3.69 min Scan# 459
Delta R.T. 0.00 min
Lab File: VX014325.D
Acq: 27 Dec 2019 21:34

Tgt Ion: 63 Resp: 2015
Ion Ratio Lower Upper
63 100
98 1.9 3.6 10.8#
100 0.0 2.3 6.8#





#25

2-Butanone

Concen: 0.280 ug/l

RT: 4.68 min Scan# 622

Delta R.T. 0.02 min

Lab File: VX014325.D

Acq: 27 Dec 2019 21:34

Instrument :

MSVOA_X

ClientSampled :

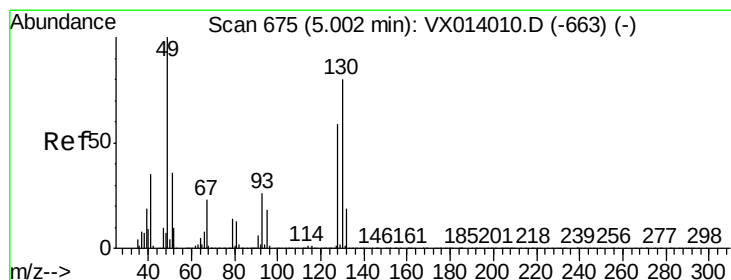
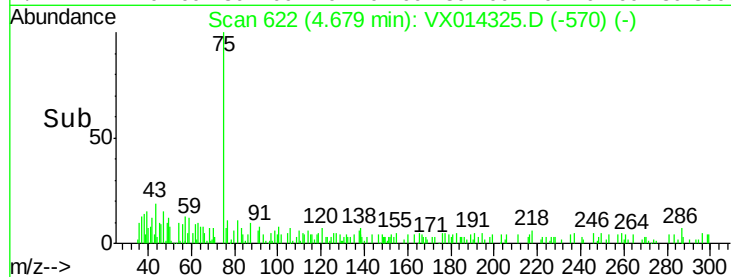
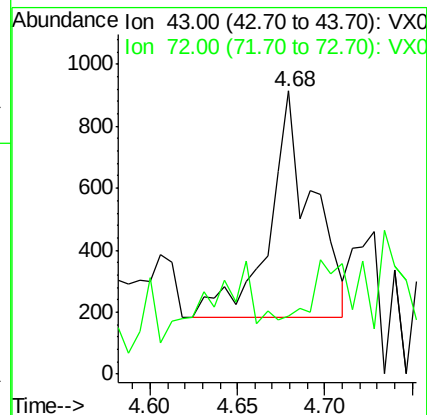
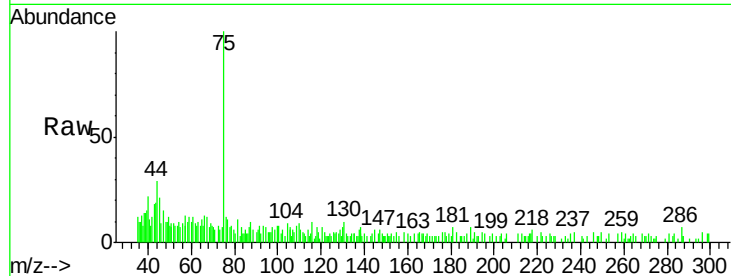
DUPLICATE

Tgt Ion: 43 Resp: 1245

Ion Ratio Lower Upper

43 100

72 0.8 21.0 31.4#



#28

Bromochloromethane

Concen: 0.538 ug/l

RT: 5.01 min Scan# 676

Delta R.T. 0.01 min

Lab File: VX014325.D

Acq: 27 Dec 2019 21:34

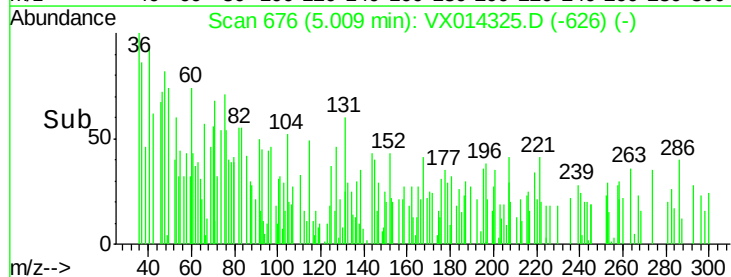
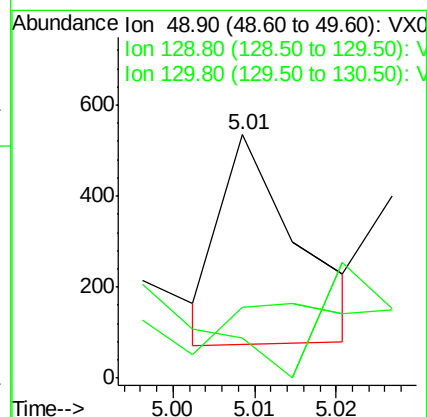
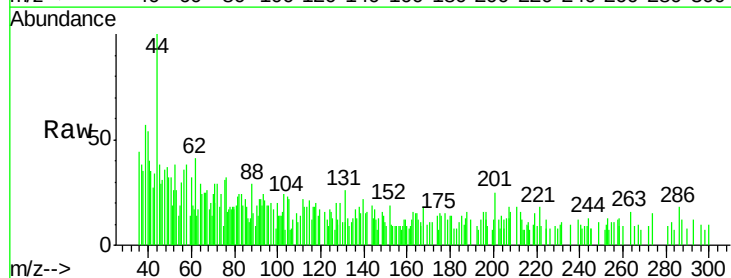
Tgt Ion: 49 Resp: 305

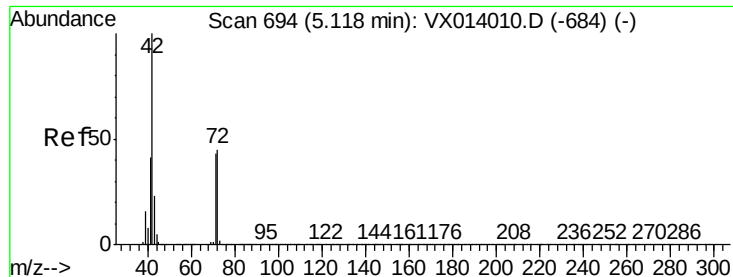
Ion Ratio Lower Upper

49 100

129 36.7 0.0 5.0#

130 84.3 64.6 97.0





#29

Tetrahydrofuran

Concen: 0.568 ug/l

RT: 5.15 min Scan# 699

Delta R.T. 0.03 min

Lab File: VX014325.D

Acq: 27 Dec 2019 21:34

Instrument :

MSVOA_X

ClientSampleId :

DUPLICATE

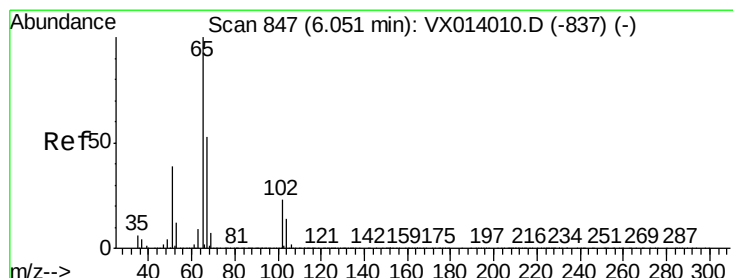
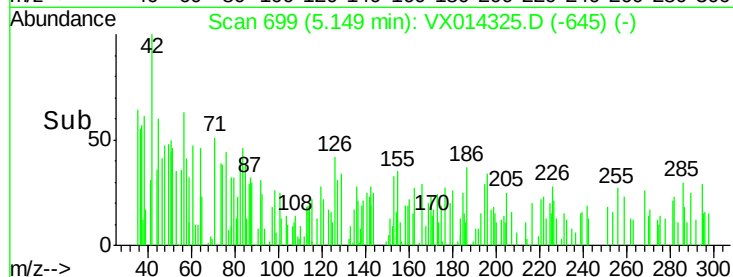
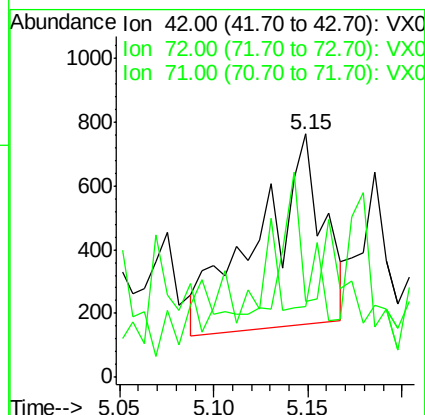
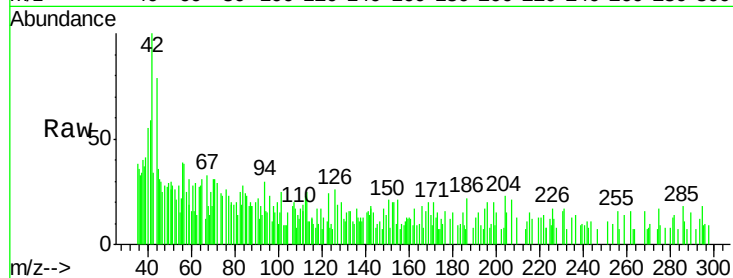
Tgt Ion: 42 Resp: 1413

Ion Ratio Lower Upper

42 100

72 10.7 35.8 53.8#

71 30.4 33.6 50.4#



#33

1,2-Dichloroethane-d4

Concen: 49.341 ug/l

RT: 6.06 min Scan# 848

Delta R.T. 0.01 min

Lab File: VX014325.D

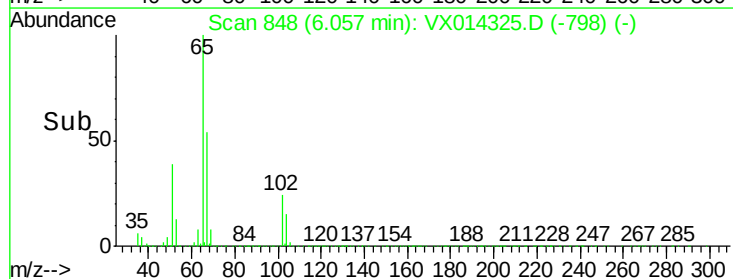
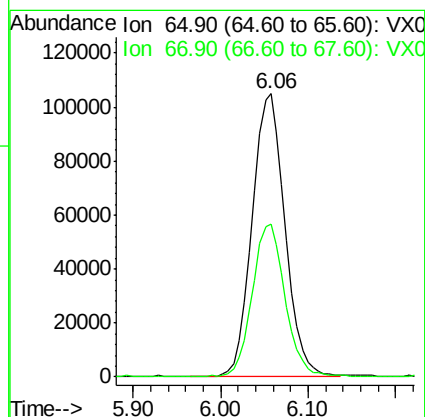
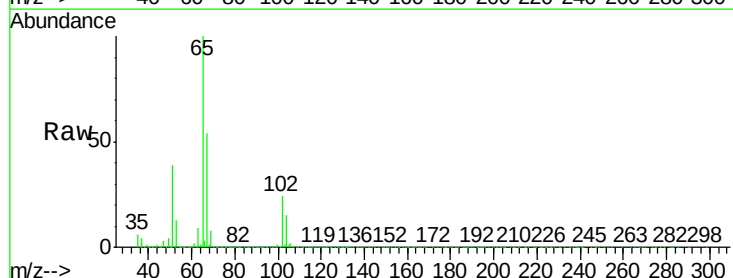
Acq: 27 Dec 2019 21:34

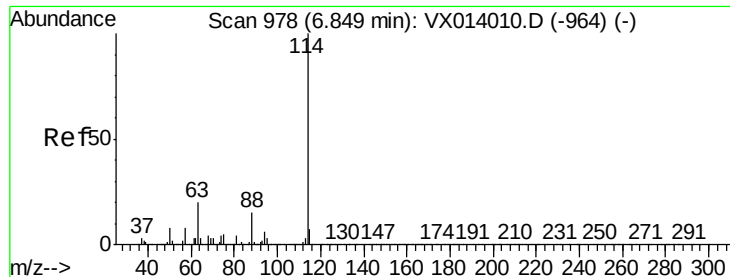
Tgt Ion: 65 Resp: 274315

Ion Ratio Lower Upper

65 100

67 53.7 0.0 106.4

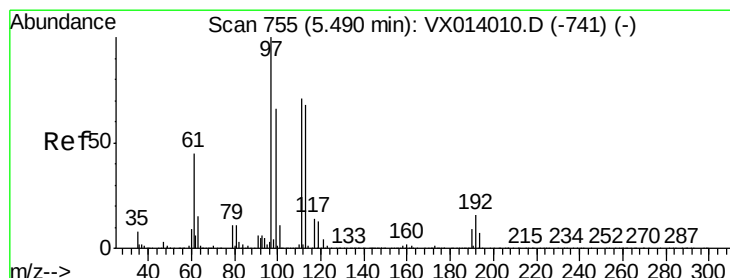
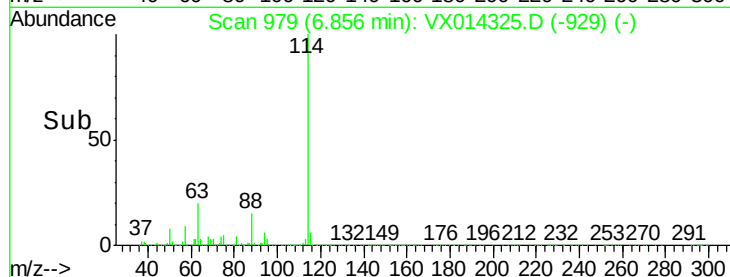
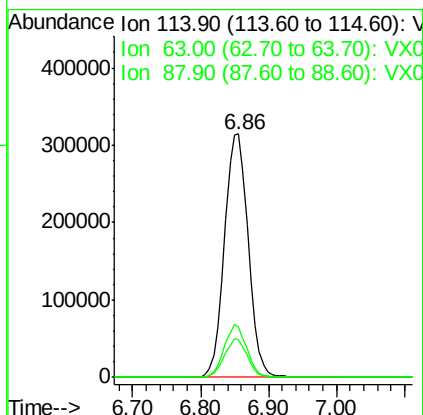
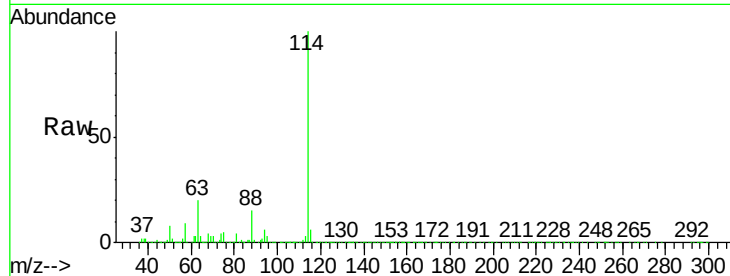




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 979
 Delta R.T. 0.01 min
 Lab File: VX014325.D
 Acq: 27 Dec 2019 21:34

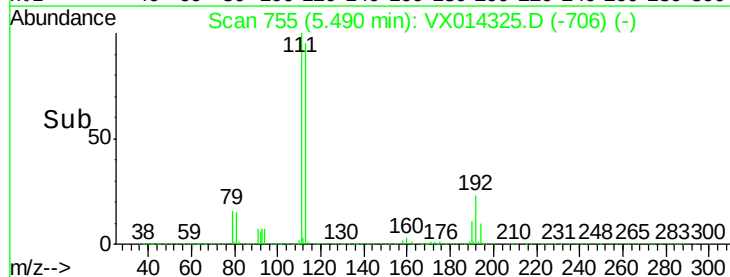
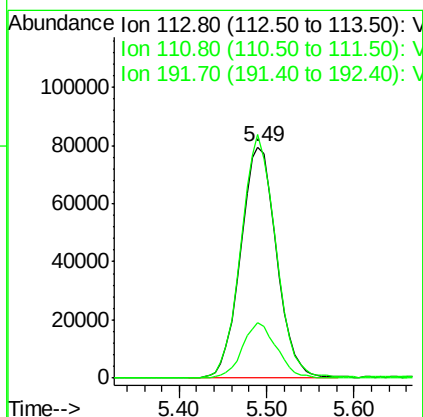
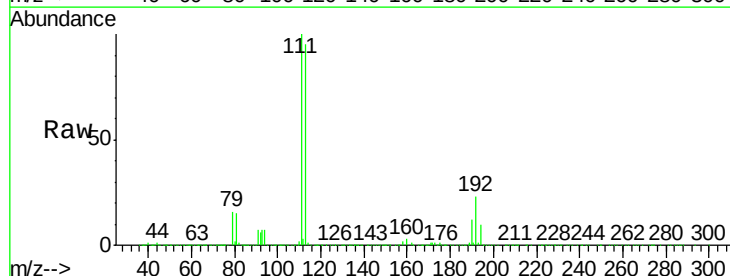
Instrument :
 MSVOA_X
 ClientSampleId :
 DUPLICATE

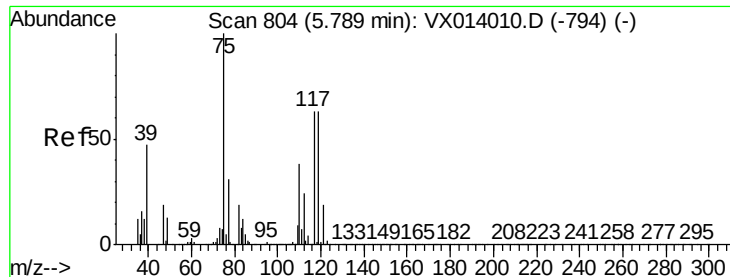
Tgt Ion:	114	Resp:	760301
Ion	Ratio	Lower	Upper
114	100		
63	20.4	0.0	40.8
88	15.4	0.0	30.4



#35
 Dibromofluoromethane
 Concen: 49.018 ug/l
 RT: 5.49 min Scan# 755
 Delta R.T. 0.00 min
 Lab File: VX014325.D
 Acq: 27 Dec 2019 21:34

Tgt Ion:	113	Resp:	226550
Ion	Ratio	Lower	Upper
113	100		
111	101.8	82.0	123.0
192	23.2	19.3	28.9

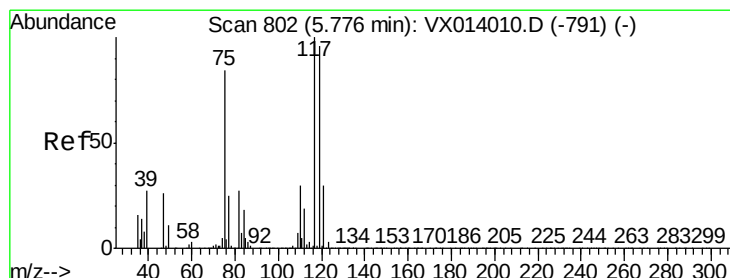
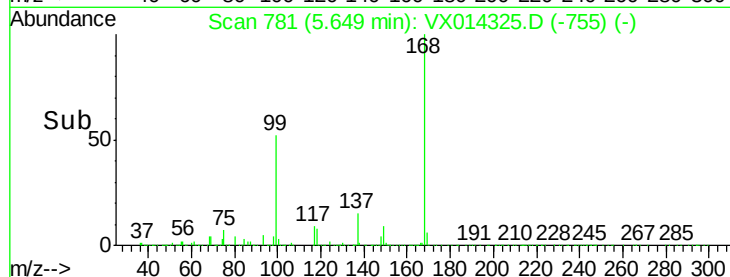
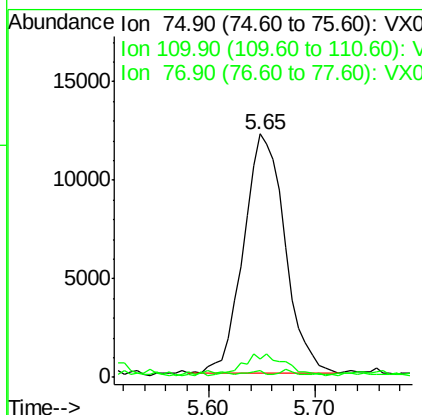
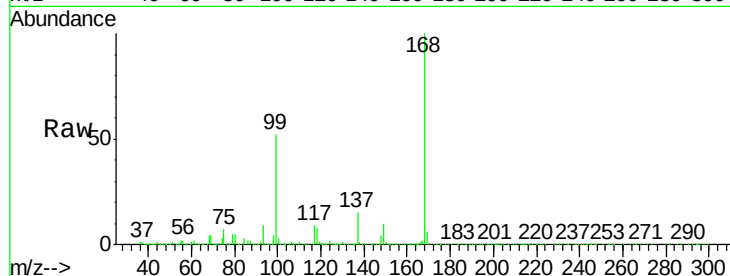




#36
 1,1-Dichloropropene
 Concen: 4.781 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.14 min
 Lab File: VX014325.D
 Acq: 27 Dec 2019 21:34

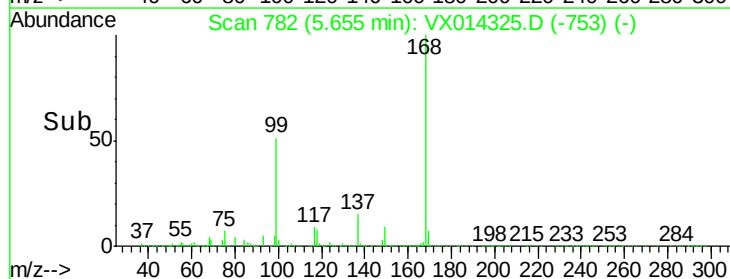
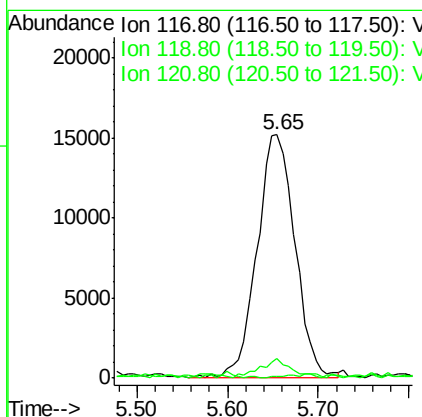
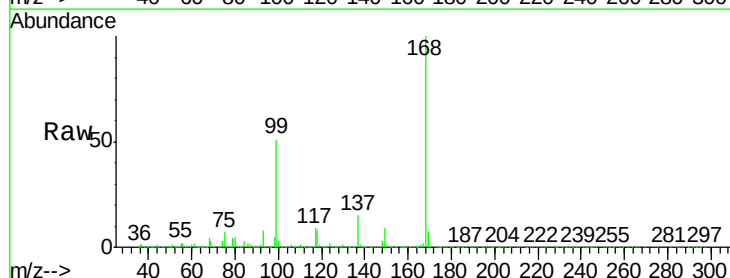
Instrument :
 MSVOA_X
 ClientSampleId :
 DUPLICATE

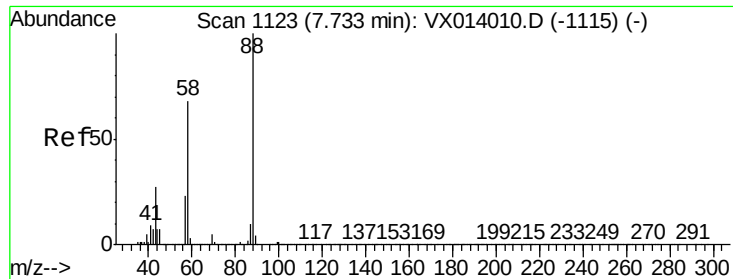
Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.0	18.3	54.9#
77	0.4	24.8	37.2#



#38
 Carbon Tetrachloride
 Concen: 6.857 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. -0.12 min
 Lab File: VX014325.D
 Acq: 27 Dec 2019 21:34

Tgt Ion	Ratio	Lower	Upper
117	100		
119	7.7	76.2	114.4#
121	0.6	23.6	35.4#

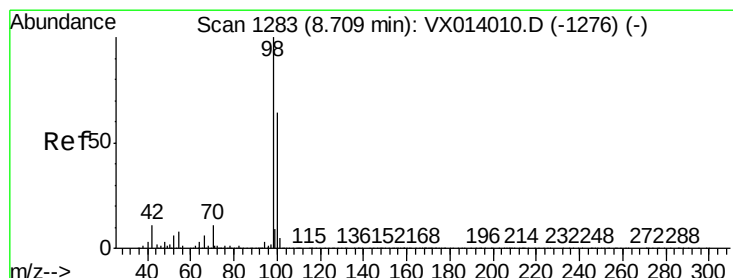
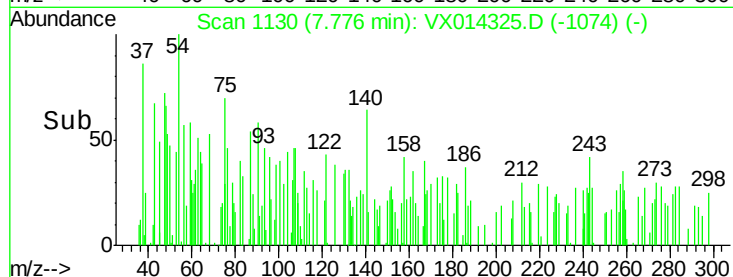
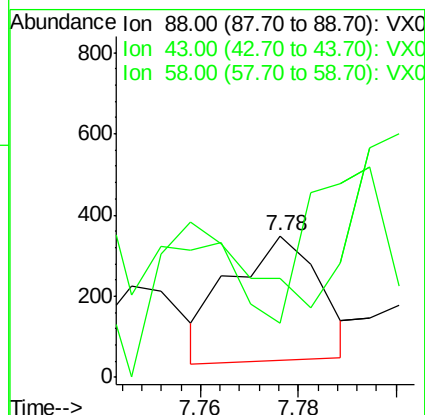
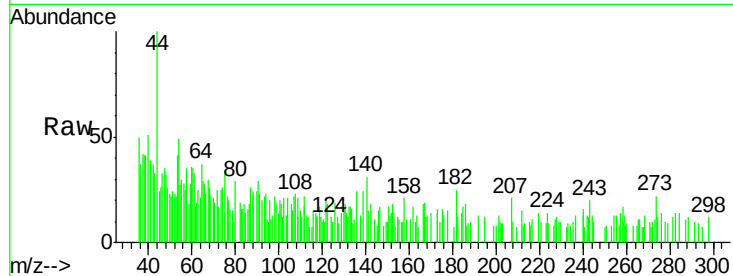




#49
1,4-Dioxane
Concen: 3.054 ug/l
RT: 7.78 min Scan# 1130
Delta R.T. 0.04 min
Lab File: VX014325.D
Acq: 27 Dec 2019 21:34

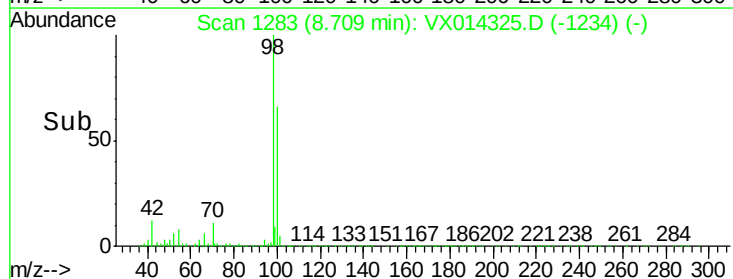
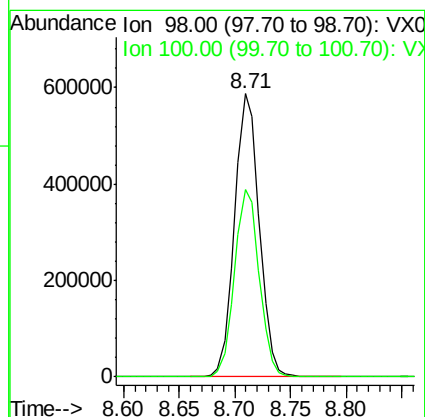
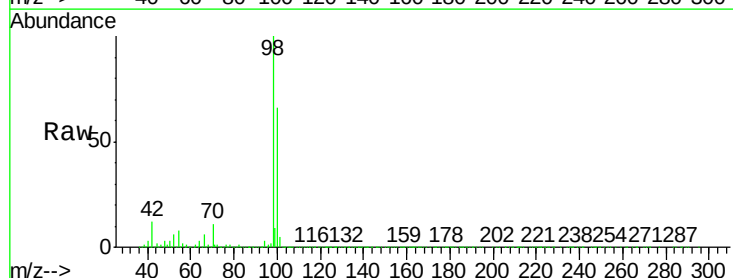
Instrument :
MSVOA_X
ClientSampleId :
DUPLICATE

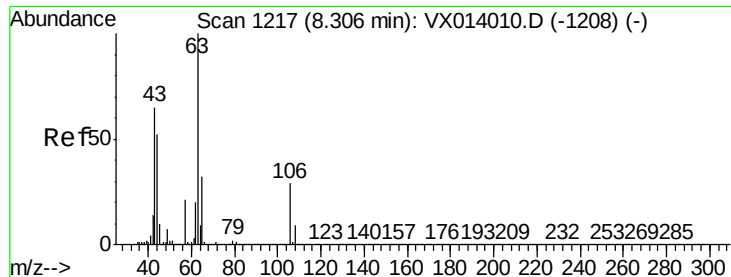
Tgt Ion: 88 Resp: 388
Ion Ratio Lower Upper
88 100
43 158.2 26.5 39.7#
58 0.0 56.8 85.2#



#50
Toluene-d8
Concen: 50.128 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX014325.D
Acq: 27 Dec 2019 21:34

Tgt Ion: 98 Resp: 901985
Ion Ratio Lower Upper
98 100
100 66.4 52.9 79.3

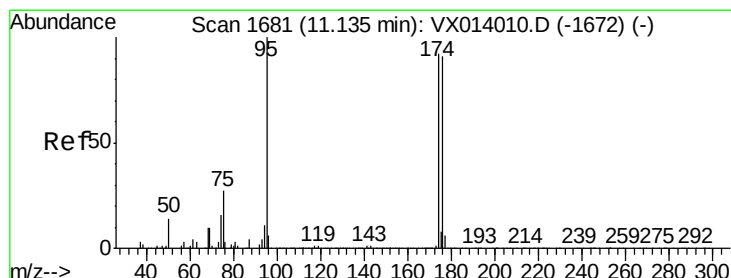
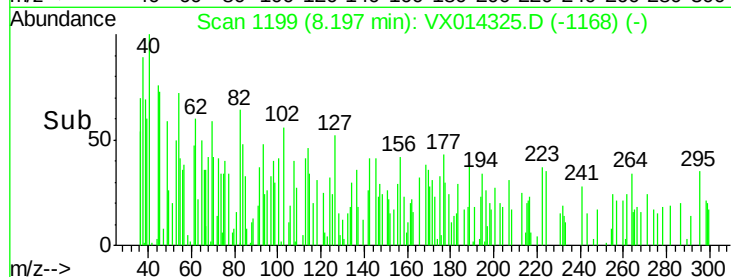
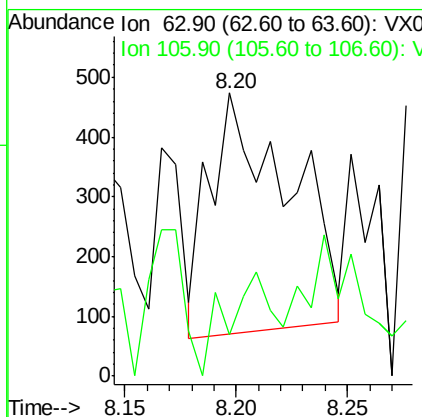
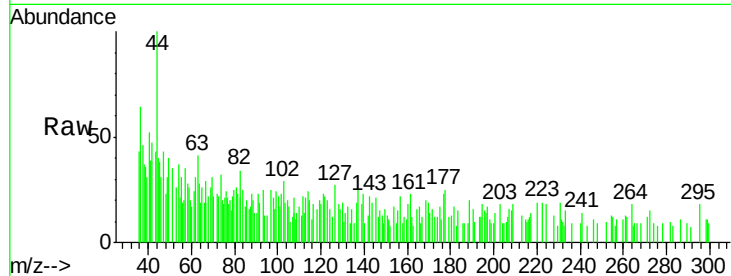




#58
 2-Chloroethyl Vinyl ether
 Concen: 0.309 ug/l
 RT: 8.20 min Scan# 1199
 Delta R.T. -0.11 min
 Lab File: VX014325.D
 Acq: 27 Dec 2019 21:34

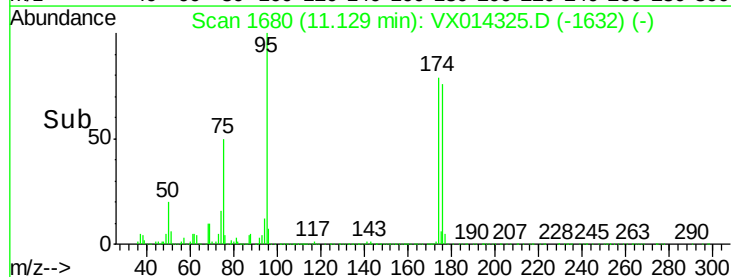
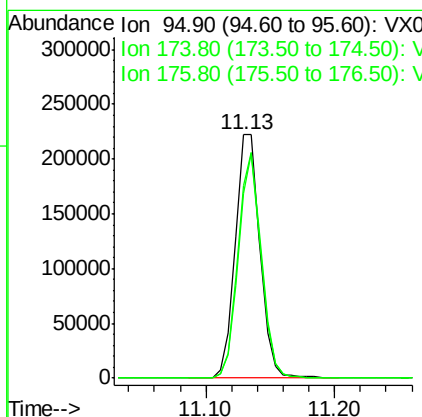
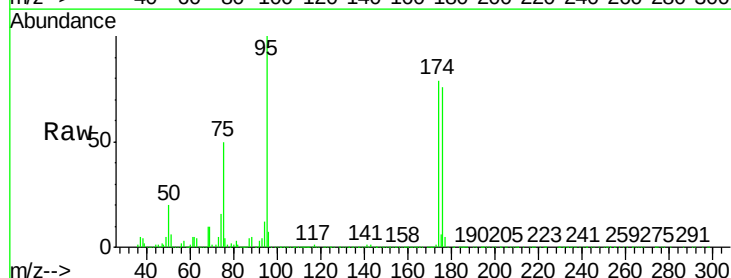
Instrument :
 MSVOA_X
 ClientSampleId :
 DUPLICATE

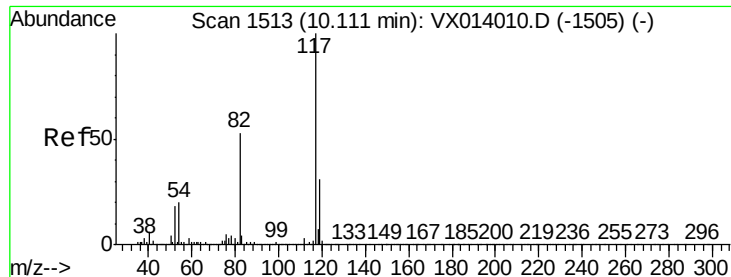
Tgt Ion: 63 Resp: 999
 Ion Ratio Lower Upper
 63 100
 106 26.0 23.0 34.6



#62
 4-Bromofluorobenzene
 Concen: 45.272 ug/l
 RT: 11.13 min Scan# 1680
 Delta R.T. -0.01 min
 Lab File: VX014325.D
 Acq: 27 Dec 2019 21:34

Tgt Ion: 95 Resp: 297776
 Ion Ratio Lower Upper
 95 100
 174 87.9 0.0 175.8
 176 84.5 0.0 173.0

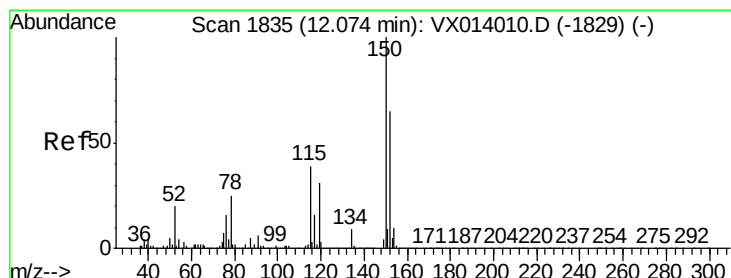
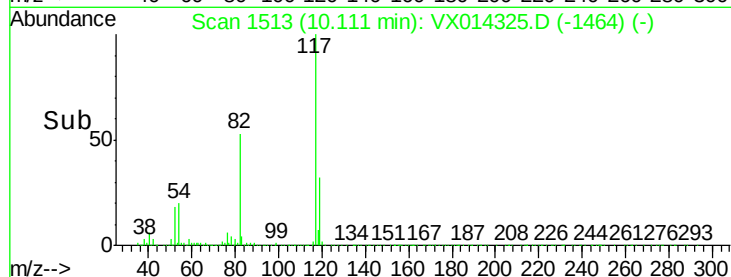
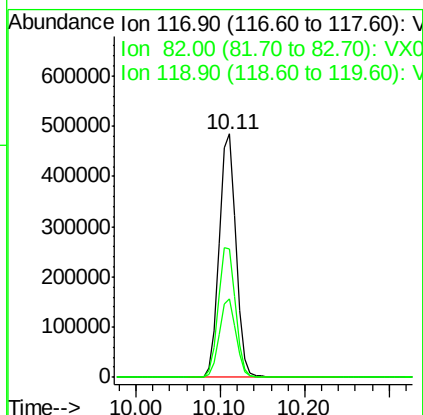
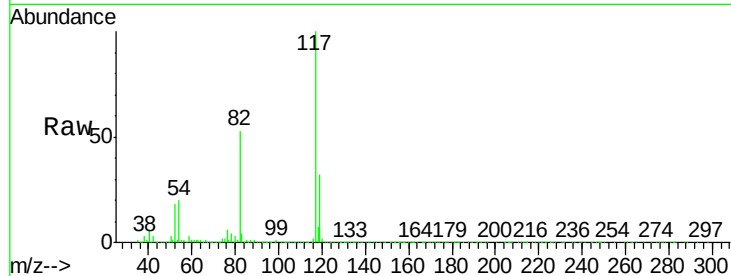




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX014325.D
Acq: 27 Dec 2019 21:34

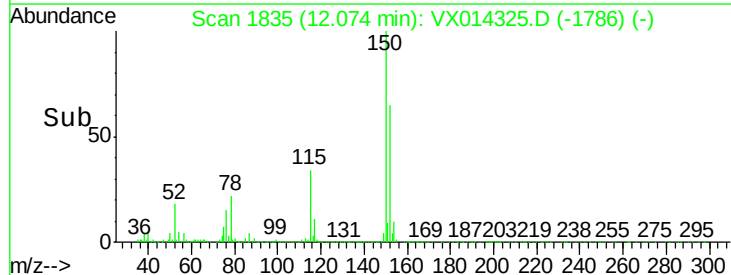
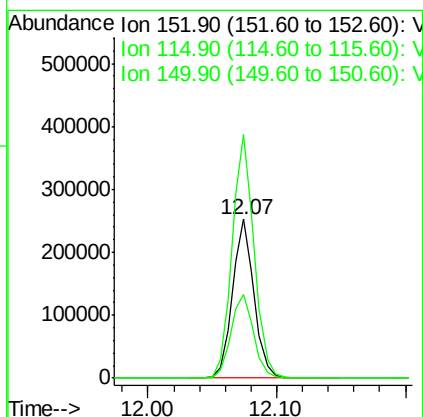
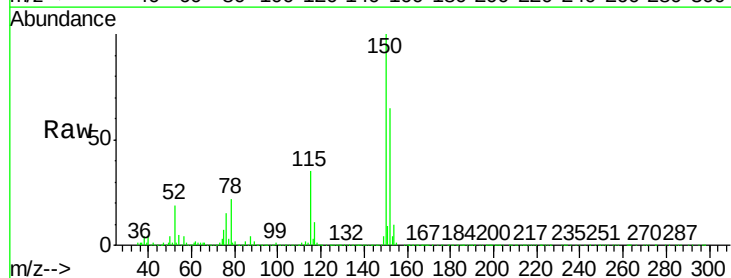
Instrument :
MSVOA_X
ClientSampleId :
DUPLICATE

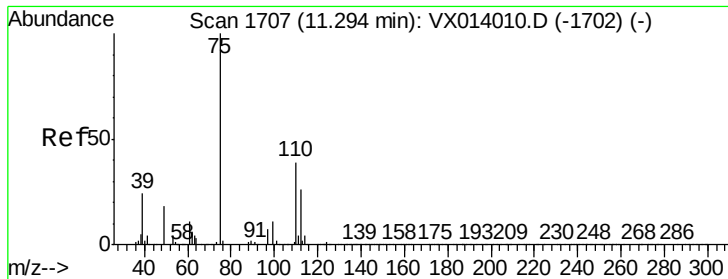
Tgt Ion:117 Resp: 672228
Ion Ratio Lower Upper
117 100
82 52.5 42.2 63.4
119 32.0 25.1 37.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX014325.D
Acq: 27 Dec 2019 21:34

Tgt Ion:152 Resp: 293183
Ion Ratio Lower Upper
152 100
115 55.8 38.3 114.9
150 156.8 0.0 345.4





#76

1,2,3-Trichloropropane

Concen: 22.760 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX014325.D

Acq: 27 Dec 2019 21:34

Instrument :

MSVOA_X

ClientSampleId :

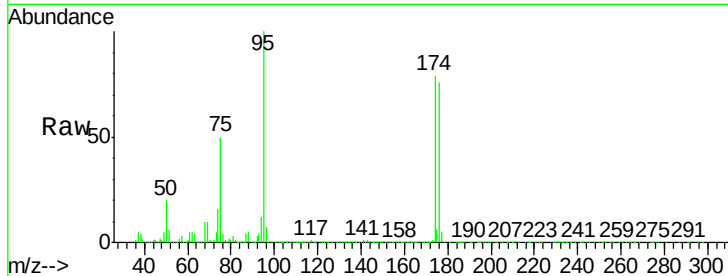
DUPLICATE

Tgt Ion: 75 Resp: 144864

Ion Ratio Lower Upper

75 100

77 1.4 19.3 57.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

11.13

120000

100000

80000

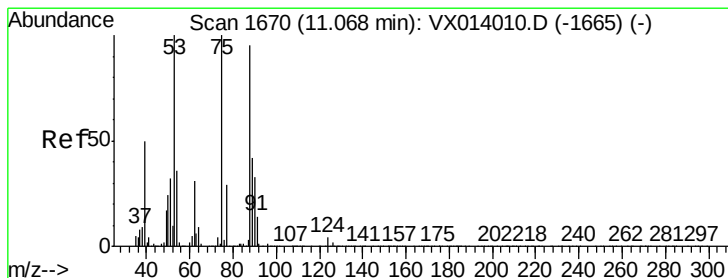
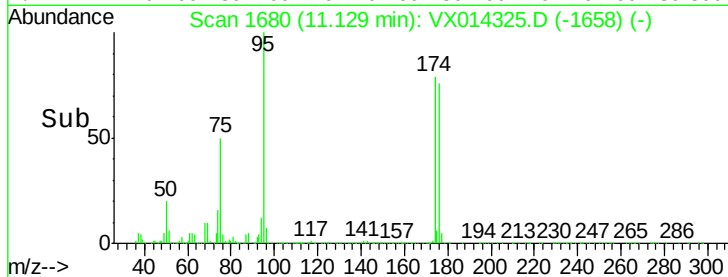
60000

40000

20000

0

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 64.240 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX014325.D

Acq: 27 Dec 2019 21:34

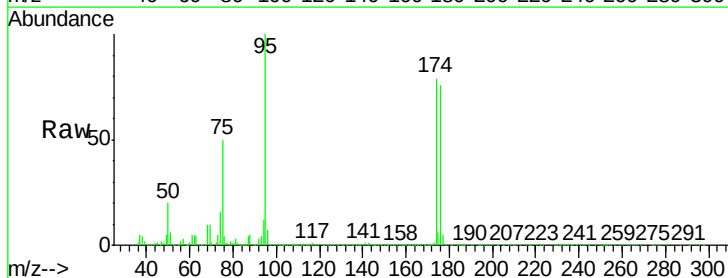
Tgt Ion: 75 Resp: 144864

Ion Ratio Lower Upper

75 100

53 0.5 76.7 115.1#

89 0.2 34.6 51.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

150000

100000

50000

0

Time-->

