

Data File : VX001289.D

Acq On : 01 May 2018 21:13

Operator : JC/MD

Sample : J2647-02 5X

Misc : 5.0mL/MSVOA_X/WATER

ALS Vial : 22 Sample Multiplier: 1

Instrument :

MSVOA_X

ClientSampleId :

CS-DRUM-2-OILY-WIPE

Quant Time: May 02 02:08:12 2018

Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X050118W.M

Quant Title : SW846 8260

QLast Update : Wed May 02 01:48:25 2018

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	170930	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	231988	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	205989	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	118330	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	104307	44.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.16%	
35) Dibromofluoromethane	5.51	113	85845	42.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.90%	
50) Toluene-d8	8.72	98	321422	45.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.04%	
62) 4-Bromofluorobenzene	11.14	95	108441	37.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	75.94%	

Target Compounds

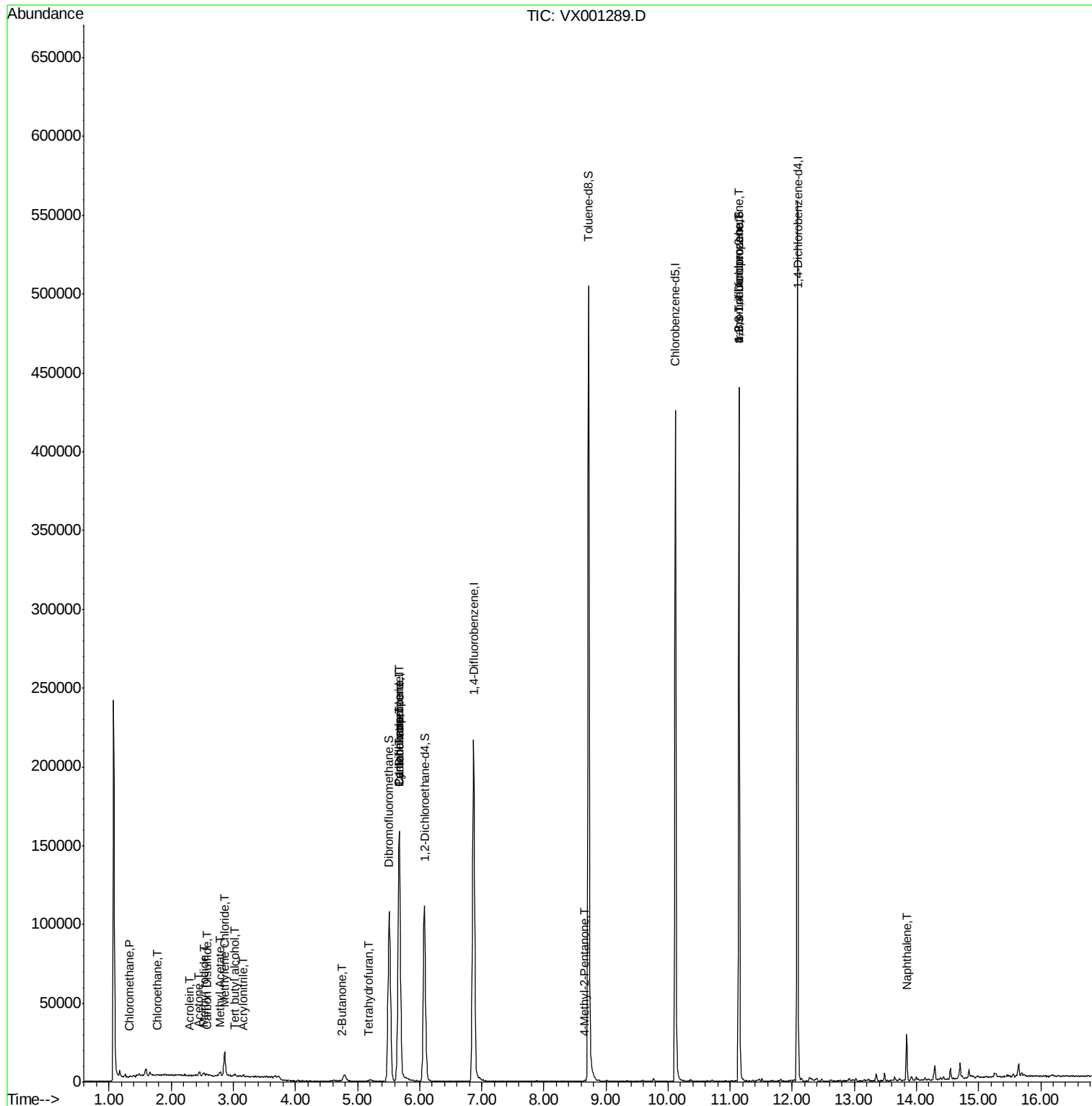
						Qvalue
3) Chloromethane	1.32	50	566	0.30	ug/l	94
5) Bromomethane	1.66	94	1174	Below	Cal	95
6) Chloroethane	1.78	64	1372	1.11	ug/l #	69
10) Methyl Iodide	2.53	142	2148	5.28	ug/l #	84
11) Tert butyl alcohol	3.03	59	931	2.29	ug/l #	93
13) Acrolein	2.29	56	144	0.61	ug/l	93
15) Acrylonitrile	3.15	53	391	0.41	ug/l #	75
16) Acetone	2.45	43	3131	3.10	ug/l	93
17) Carbon Disulfide	2.57	76	1318	0.30	ug/l #	86
18) Methyl Acetate	2.78	43	3583	1.50	ug/l	96
20) Methylene Chloride	2.86	84	7007	2.33	ug/l	91
25) 2-Butanone	4.74	43	764	0.56	ug/l #	49
29) Tetrahydrofuran	5.17	42	238	0.28	ug/l #	60
31) Cyclohexane	5.67	56	3146	1.08	ug/l #	35
36) 1,1-Dichloropropene	5.67	75	10426	3.89	ug/l #	49
38) Carbon Tetrachloride	5.67	117	14528	5.18	ug/l #	18
51) 4-Methyl-2-Pentanone	8.66	43	665	0.24	ug/l #	68
76) 1,2,3-Trichloropropane	11.14	75	55476	25.35	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.14	75	55476	79.70	ug/l #	6
95) Naphthalene	13.84	128	17058	1.97	ug/l	98

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

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.00 min

Lab File: VX001289.D

Acq: 01 May 2018 21:13

Instrument :

MSVOA_X

ClientSampleId :

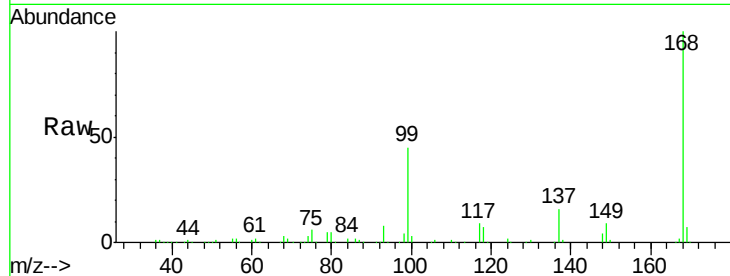
CS-DRUM-2-OILY-WIPE

Tgt Ion:168 Resp: 170930

Ion Ratio Lower Upper

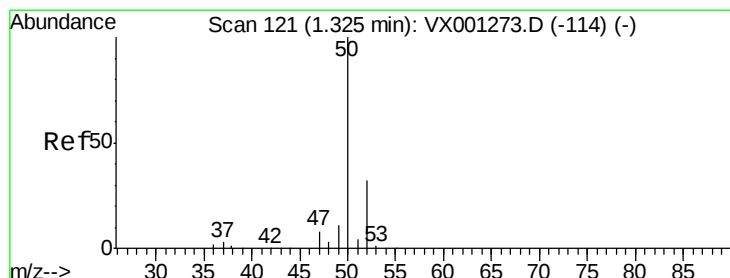
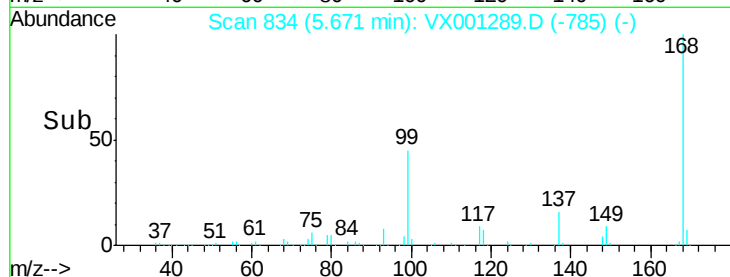
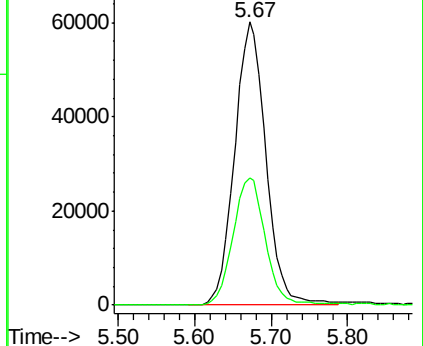
168 100

99 45.1 36.5 54.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.30 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX001289.D

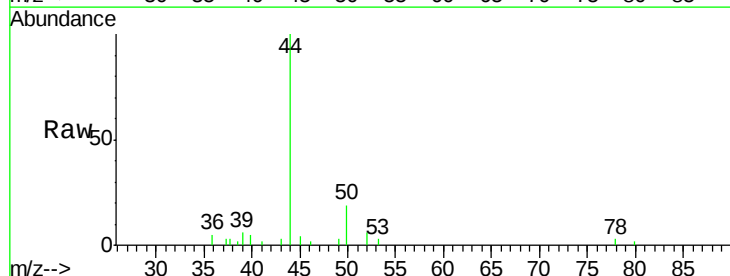
Acq: 01 May 2018 21:13

Tgt Ion: 50 Resp: 566

Ion Ratio Lower Upper

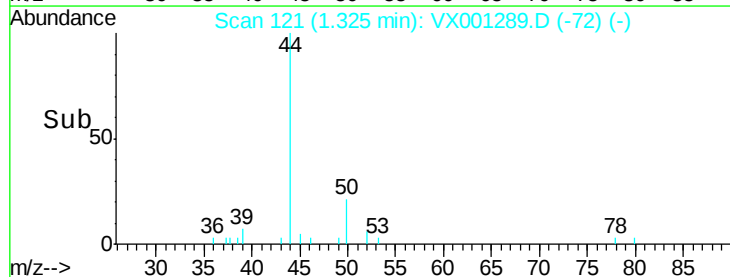
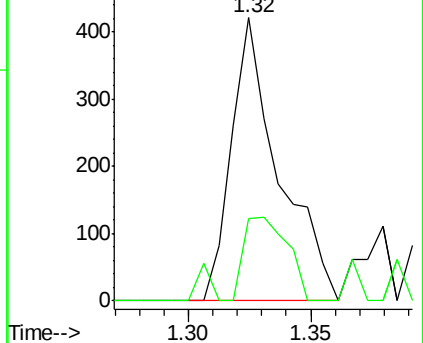
50 100

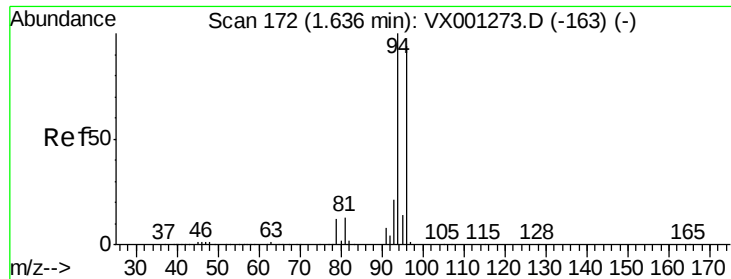
52 29.0 25.7 38.5



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: Below Cal

RT: 1.66 min Scan# 176

Delta R.T. 0.02 min

Lab File: VX001289.D

Acq: 01 May 2018 21:13

Instrument :

MSVOA_X

ClientSampleId :

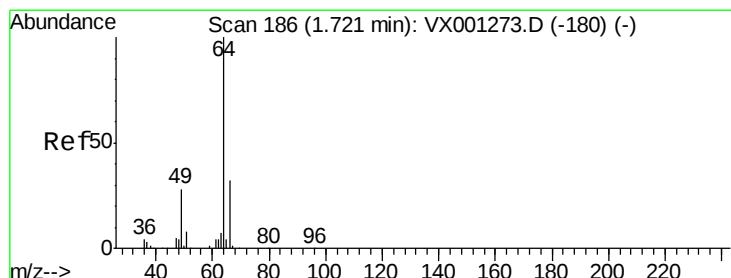
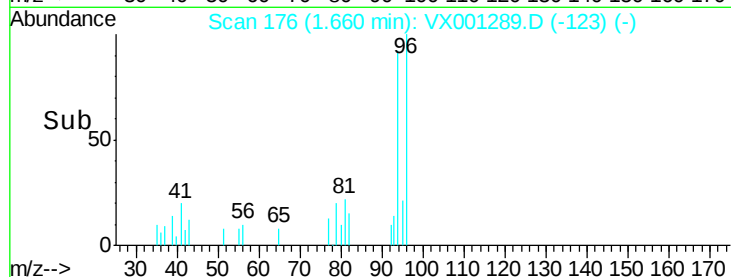
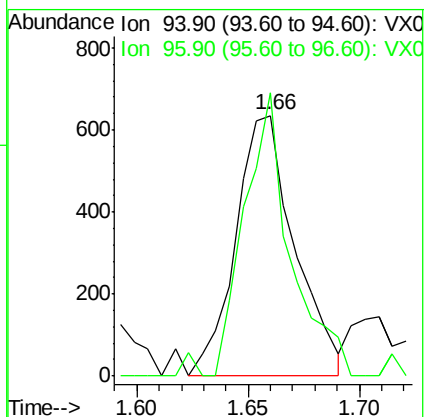
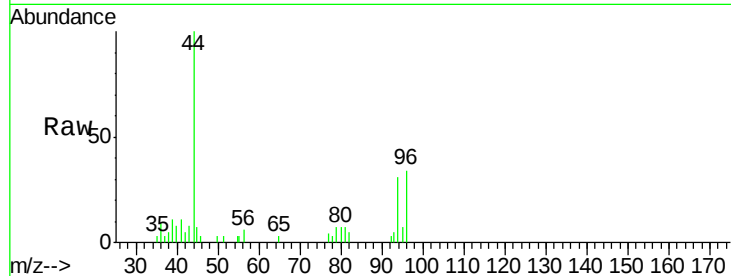
CS-DRUM-2-OILY-WIPE

Tgt Ion: 94 Resp: 1174

Ion Ratio Lower Upper

94 100

96 99.5 75.6 113.4



#6

Chloroethane

Concen: 1.11 ug/l

RT: 1.78 min Scan# 195

Delta R.T. 0.05 min

Lab File: VX001289.D

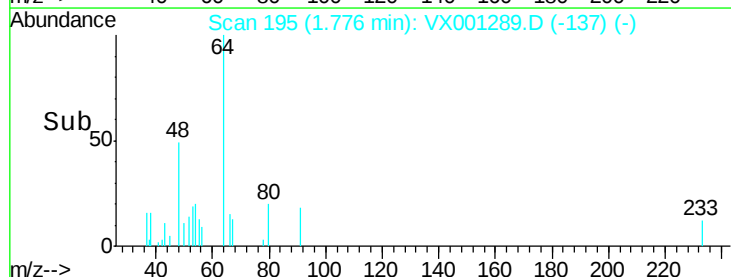
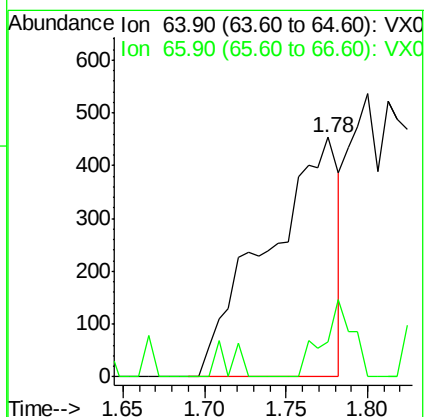
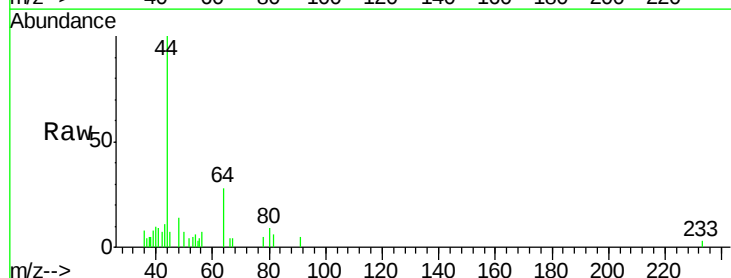
Acq: 01 May 2018 21:13

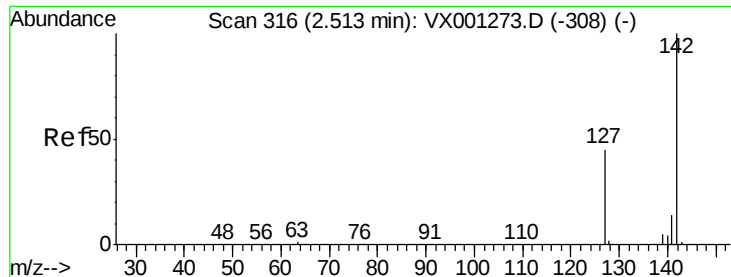
Tgt Ion: 64 Resp: 1372

Ion Ratio Lower Upper

64 100

66 14.8 25.7 38.5#

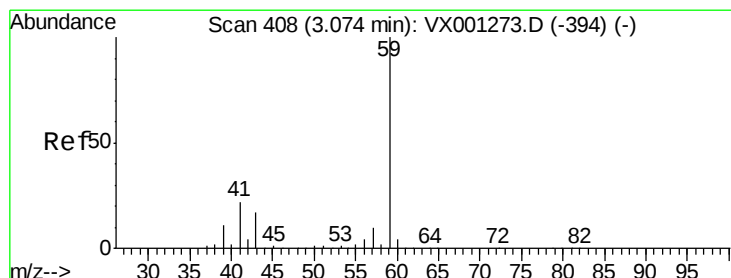
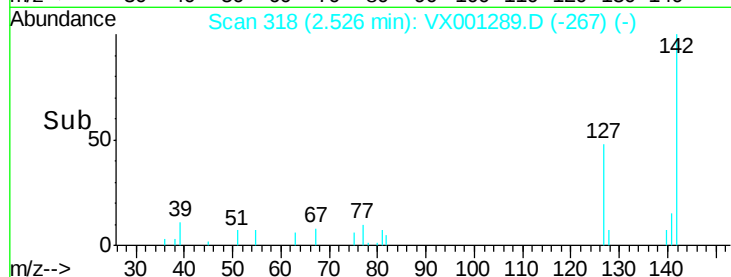
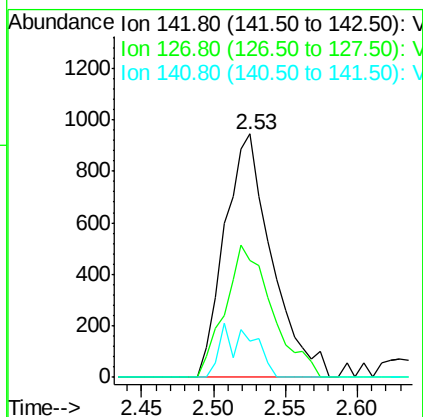
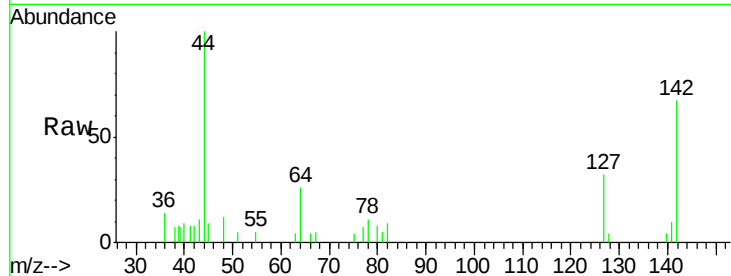




#10
Methyl Iodide
Concen: 5.28 ug/l
RT: 2.53 min Scan# 318
Delta R.T. 0.01 min
Lab File: VX001289.D
Acq: 01 May 2018 21:13

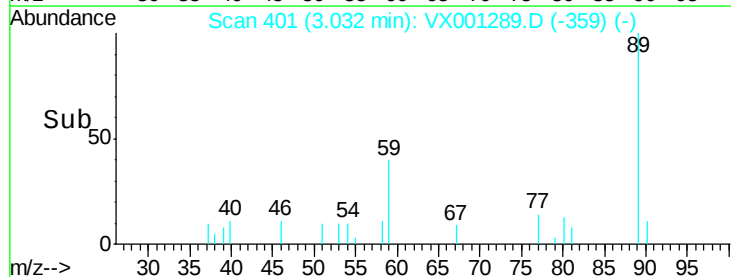
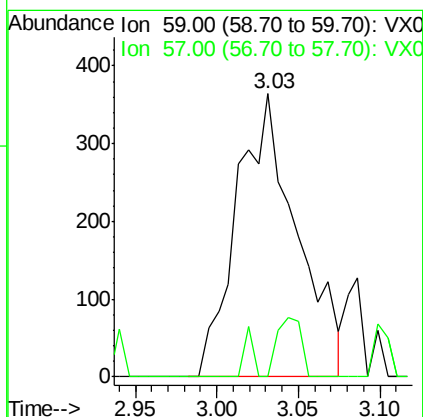
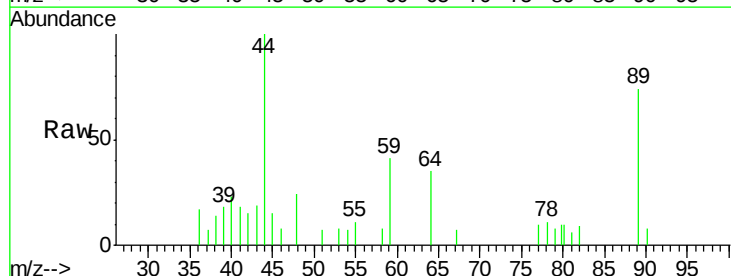
Instrument :
MSVOA_X
ClientSampleId :
CS-DRUM-2-OILY-WIPE

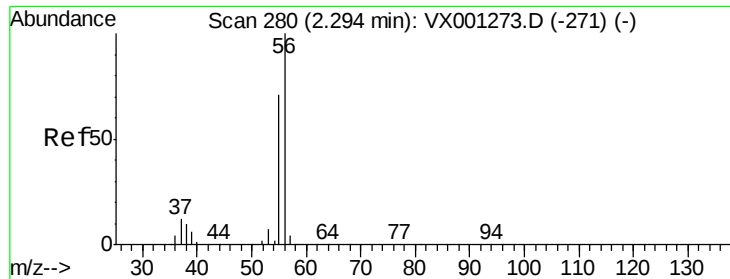
Tgt Ion:142 Resp: 2148
Ion Ratio Lower Upper
142 100
127 54.3 35.7 53.5#
141 5.9 11.4 17.0#



#11
Tert butyl alcohol
Concen: 2.29 ug/l
RT: 3.03 min Scan# 401
Delta R.T. -0.04 min
Lab File: VX001289.D
Acq: 01 May 2018 21:13

Tgt Ion: 59 Resp: 931
Ion Ratio Lower Upper
59 100
57 8.2 8.6 12.8#

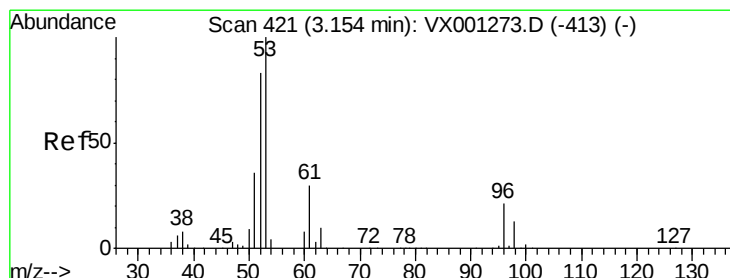
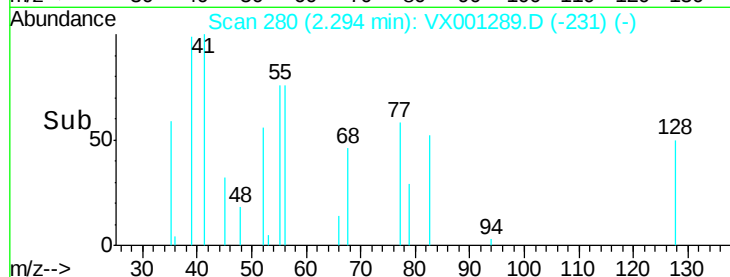
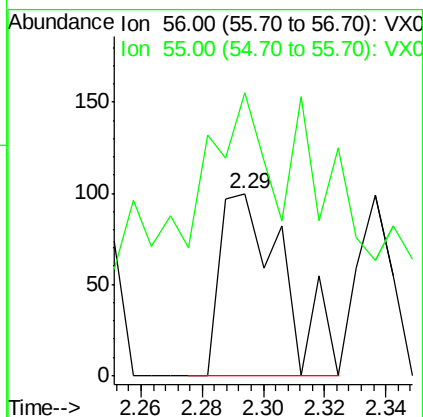
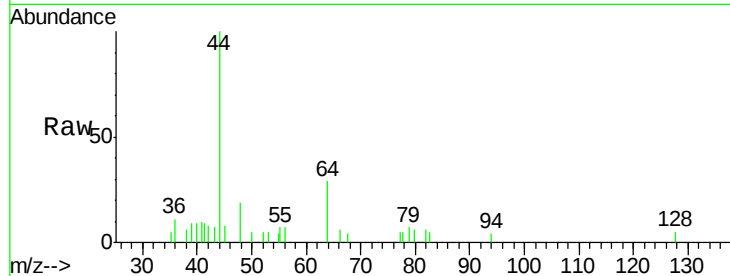




#13
Acrolein
Concen: 0.61 ug/l
RT: 2.29 min Scan# 280
Delta R.T. -0.00 min
Lab File: VX001289.D
Acq: 01 May 2018 21:13

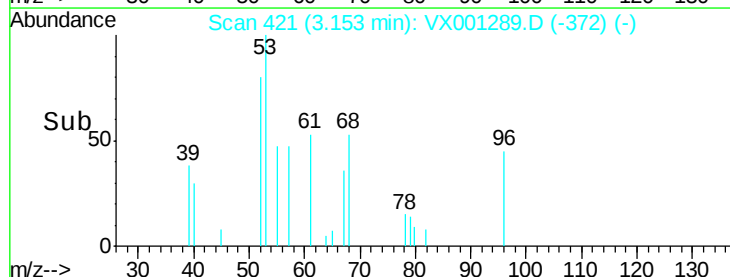
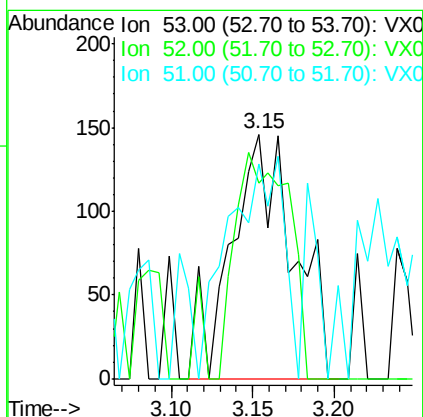
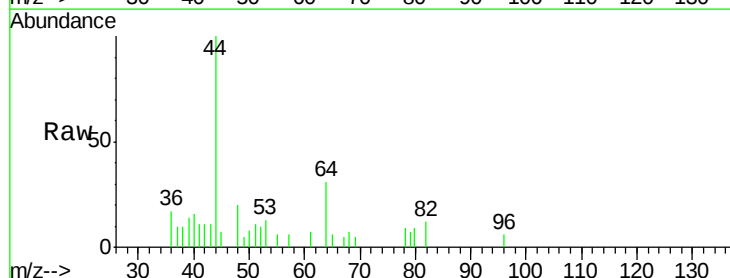
Instrument :
MSVOA_X
ClientSampleId :
CS-DRUM-2-OILY-WIPE

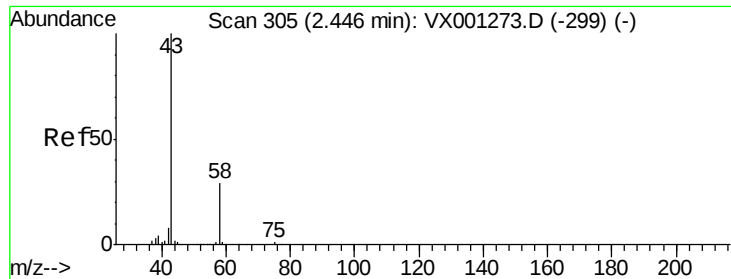
Tgt Ion: 56 Resp: 144
Ion Ratio Lower Upper
56 100
55 66.0 57.2 85.8



#15
Acrylonitrile
Concen: 0.41 ug/l
RT: 3.15 min Scan# 421
Delta R.T. -0.00 min
Lab File: VX001289.D
Acq: 01 May 2018 21:13

Tgt Ion: 53 Resp: 391
Ion Ratio Lower Upper
53 100
52 79.0 67.0 100.4
51 79.3 29.9 44.9#





#16

Acetone

Concen: 3.10 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.01 min

Lab File: VX001289.D

Acq: 01 May 2018 21:13

Instrument :

MSVOA_X

ClientSampleId :

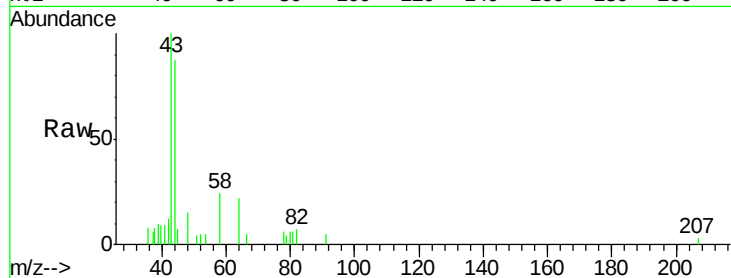
CS-DRUM-2-OILY-WIPE

Tgt Ion: 43 Resp: 3131

Ion Ratio Lower Upper

43 100

58 24.8 22.8 34.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2000

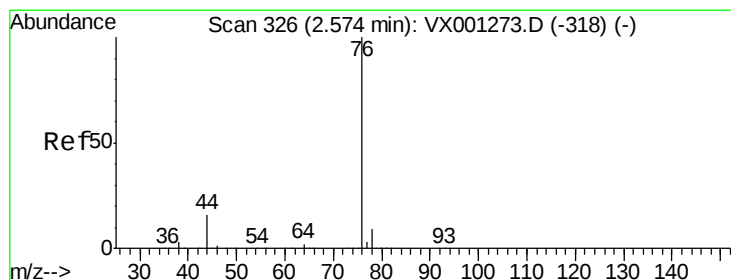
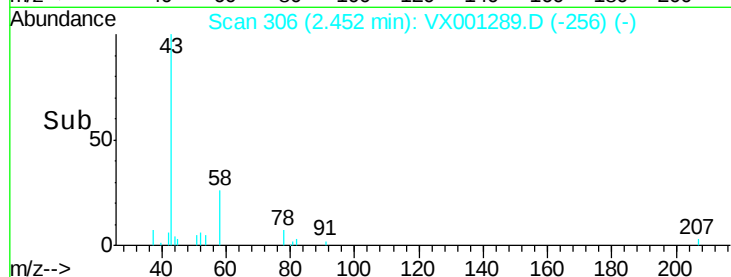
1500

1000

500

0

Time--> 2.35 2.40 2.45 2.50 2.55



#17

Carbon Disulfide

Concen: 0.30 ug/l

RT: 2.57 min Scan# 325

Delta R.T. -0.01 min

Lab File: VX001289.D

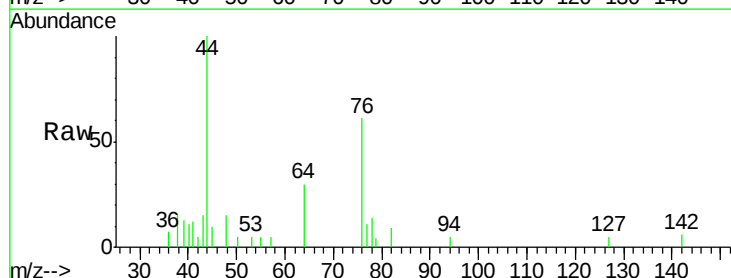
Acq: 01 May 2018 21:13

Tgt Ion: 76 Resp: 1318

Ion Ratio Lower Upper

76 100

78 3.6 7.0 10.4#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

800

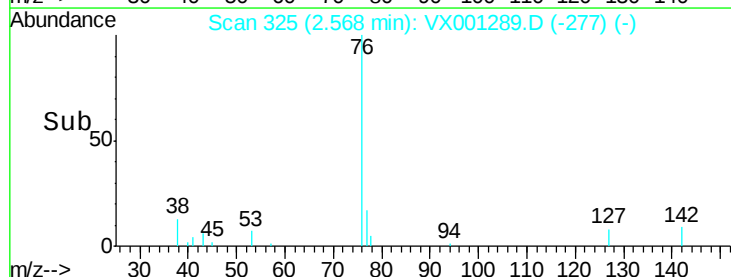
600

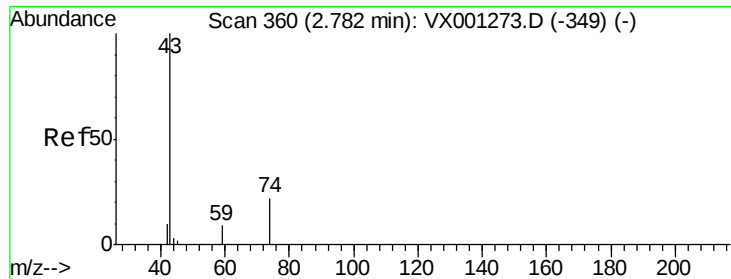
400

200

0

Time--> 2.50 2.55 2.60

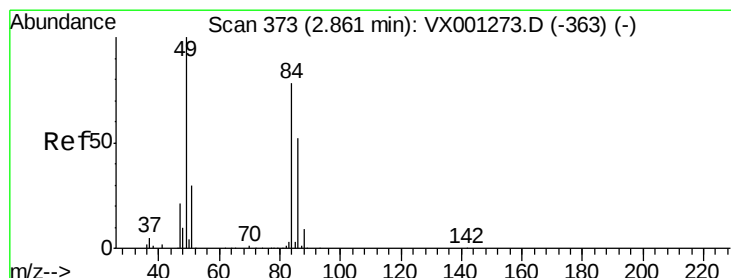
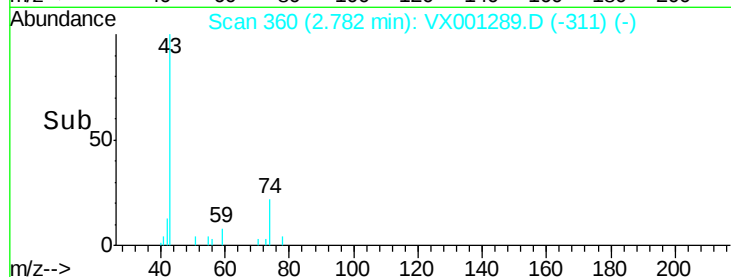
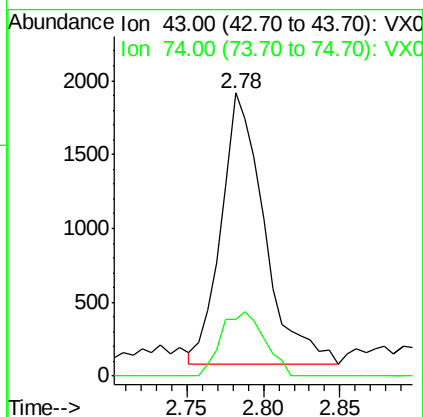
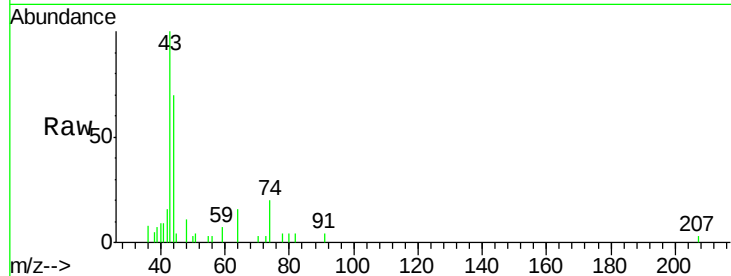




#18
Methyl Acetate
Concen: 1.50 ug/l
RT: 2.78 min Scan# 360
Delta R.T. -0.00 min
Lab File: VX001289.D
Acq: 01 May 2018 21:13

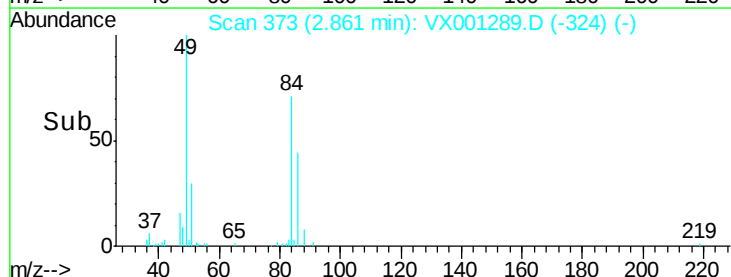
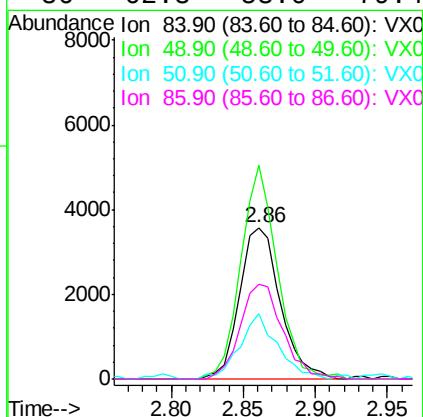
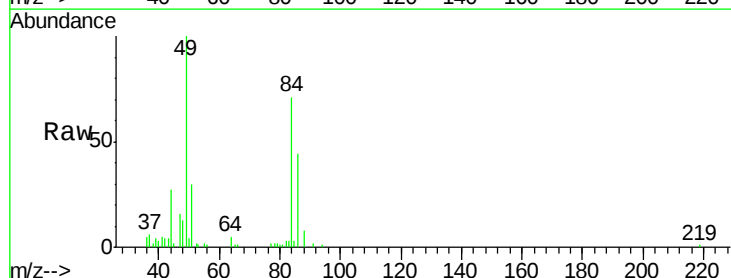
Instrument :
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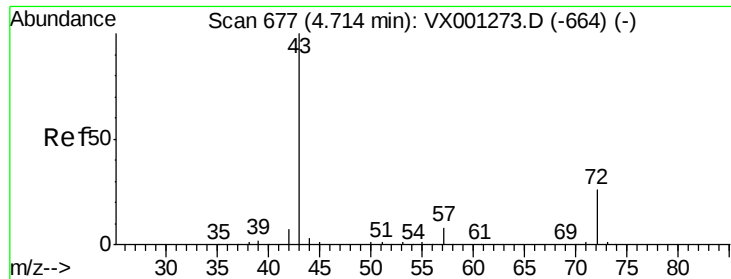
Tgt Ion: 43 Resp: 3583
Ion Ratio Lower Upper
43 100
74 24.0 17.8 26.6



#20
Methylene Chloride
Concen: 2.33 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.00 min
Lab File: VX001289.D
Acq: 01 May 2018 21:13

Tgt Ion: 84 Resp: 7007
Ion Ratio Lower Upper
84 100
49 141.4 102.8 154.2
51 43.0 30.9 46.3
86 62.8 53.0 79.4





#25

2-Butanone

Concen: 0.56 ug/l

RT: 4.74 min Scan# 682

Delta R.T. 0.03 min

Lab File: VX001289.D

Acq: 01 May 2018 21:13

Instrument :

MSVOA_X

ClientSampleId :

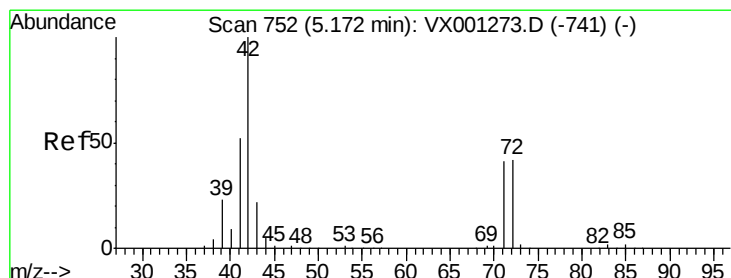
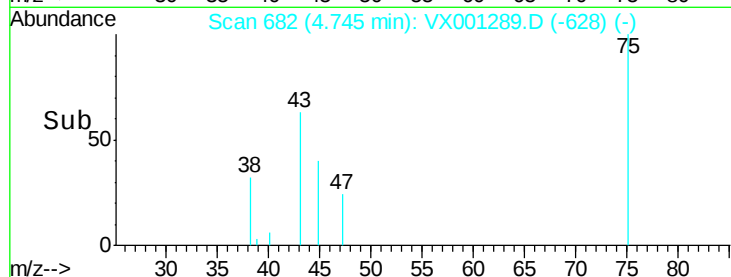
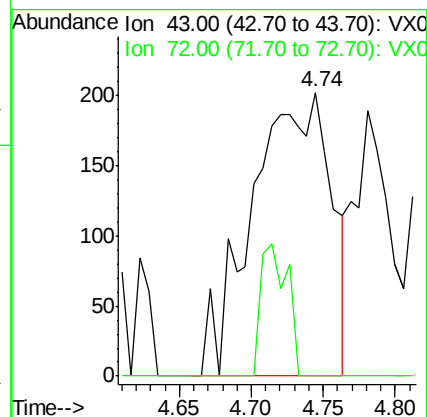
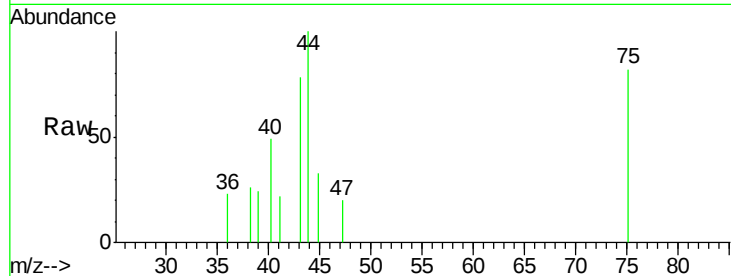
CS-DRUM-2-OILY-WIPE

Tgt Ion: 43 Resp: 764

Ion Ratio Lower Upper

43 100

72 0.0 20.5 30.7#



#29

Tetrahydrofuran

Concen: 0.28 ug/l

RT: 5.17 min Scan# 752

Delta R.T. -0.00 min

Lab File: VX001289.D

Acq: 01 May 2018 21:13

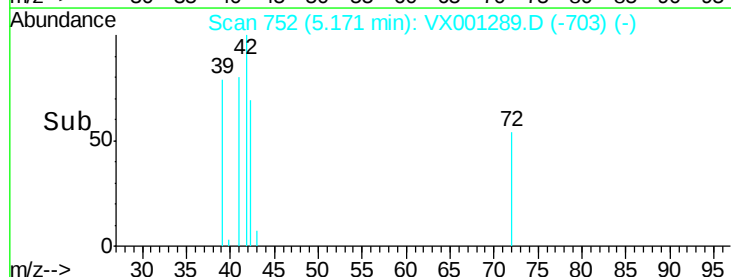
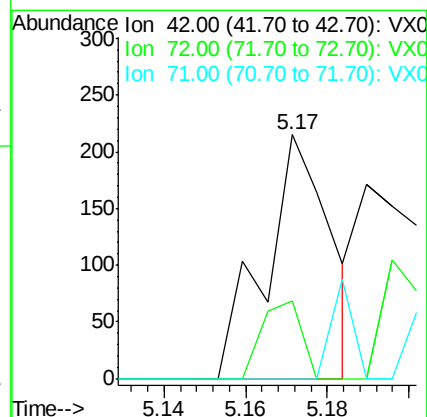
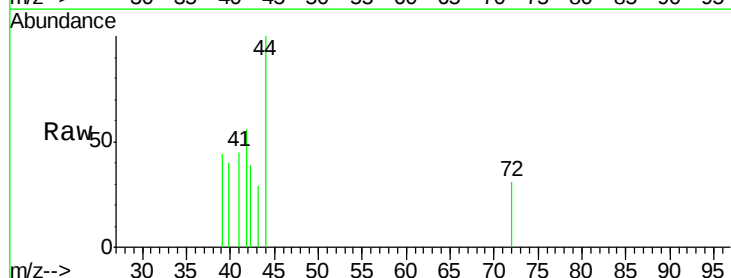
Tgt Ion: 42 Resp: 238

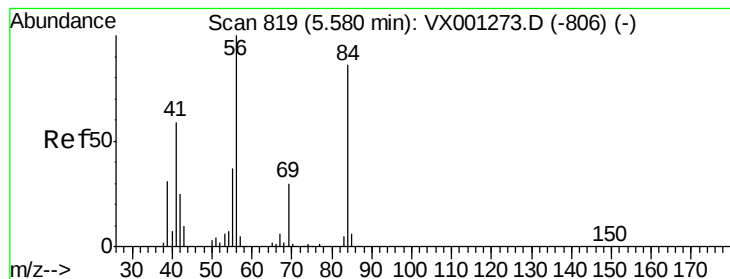
Ion Ratio Lower Upper

42 100

72 19.7 34.6 52.0#

71 13.4 32.7 49.1#





#31

Cyclohexane

Concen: 1.08 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.09 min

Lab File: VX001289.D

Acq: 01 May 2018 21:13

Instrument :

MSVOA_X

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CS-DRUM-2-OILY-WIPE

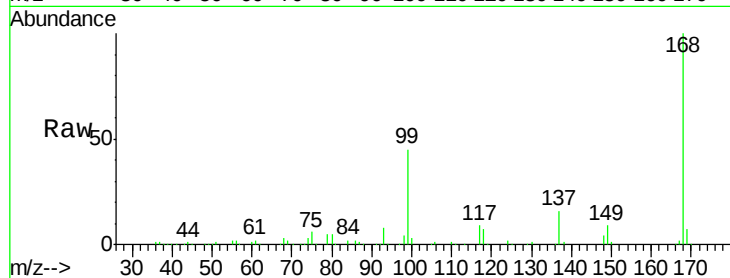
Tgt Ion: 56 Resp: 3146

Ion Ratio Lower Upper

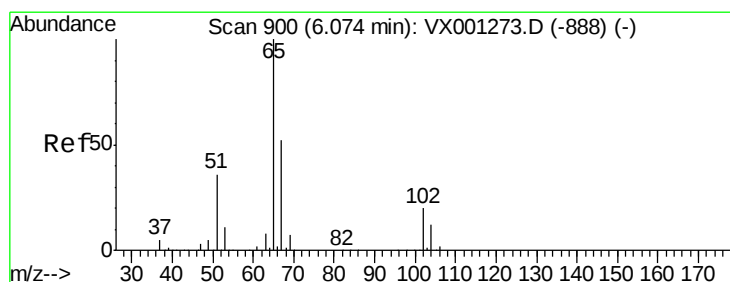
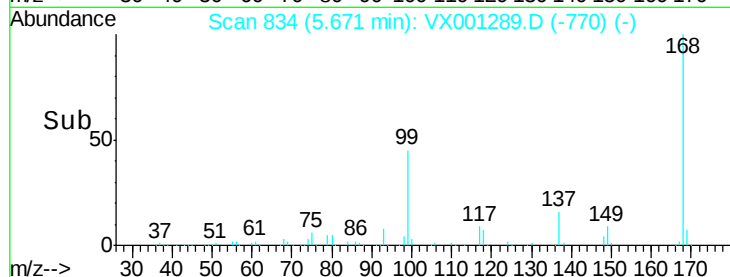
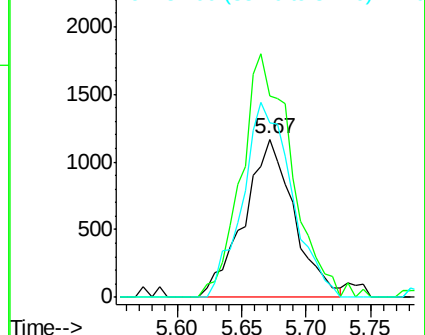
56 100

69 127.2 24.0 36.0#

84 109.9 69.0 103.4#



Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 44.08 ug/l

RT: 6.07 min Scan# 900

Delta R.T. -0.00 min

Lab File: VX001289.D

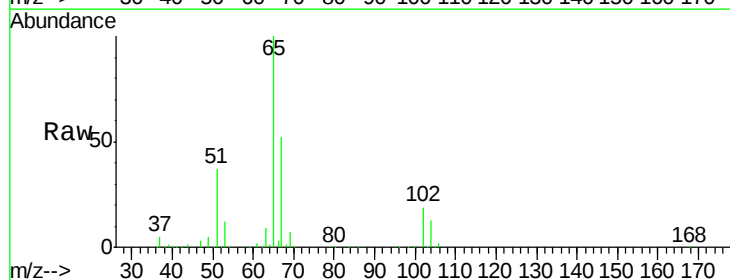
Acq: 01 May 2018 21:13

Tgt Ion: 65 Resp: 104307

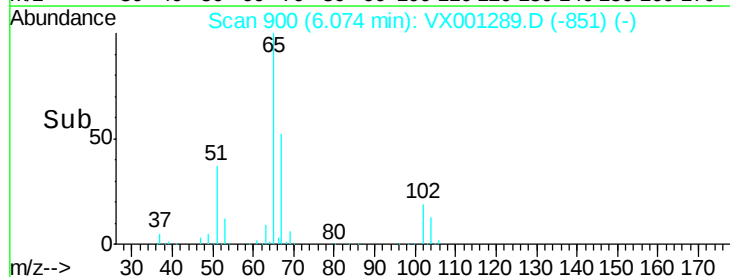
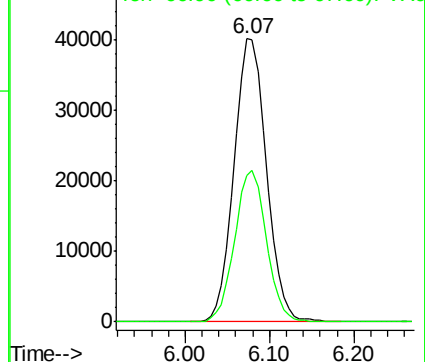
Ion Ratio Lower Upper

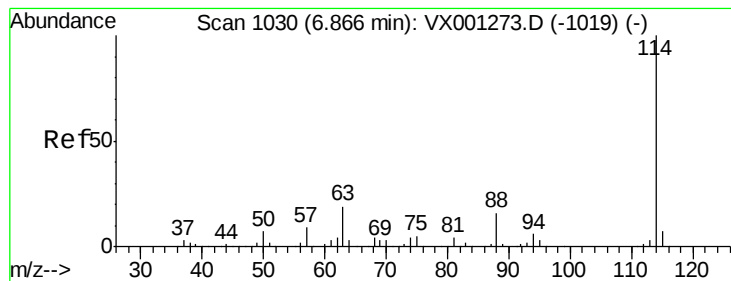
65 100

67 52.4 0.0 102.8



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1031

Delta R.T. 0.01 min

Lab File: VX001289.D

Acq: 01 May 2018 21:13

Instrument :

MSVOA_X

ClientSampleId :

CS-DRUM-2-OILY-WIPE

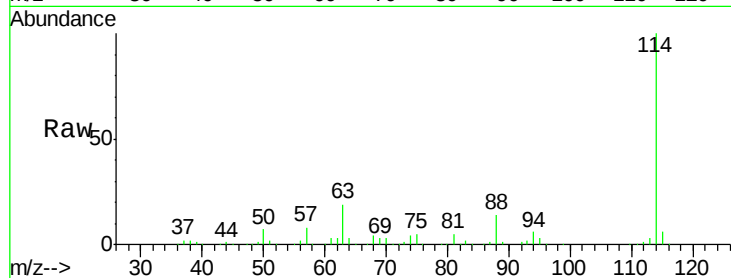
Tgt Ion:114 Resp: 231988

Ion Ratio Lower Upper

114 100

63 18.8 0.0 38.8

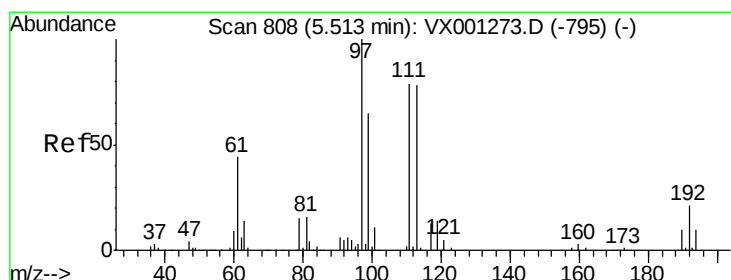
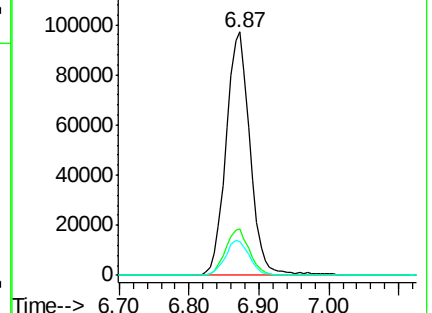
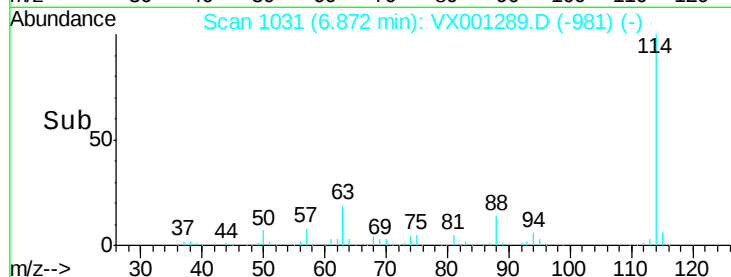
88 13.8 0.0 32.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 42.95 ug/l

RT: 5.51 min Scan# 808

Delta R.T. -0.00 min

Lab File: VX001289.D

Acq: 01 May 2018 21:13

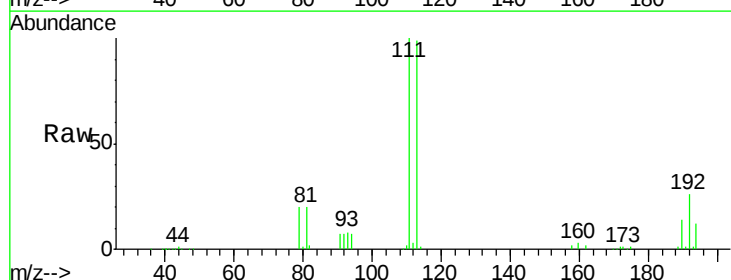
Tgt Ion:113 Resp: 85845

Ion Ratio Lower Upper

113 100

111 102.0 81.2 121.8

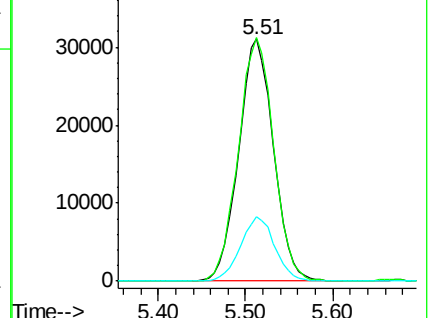
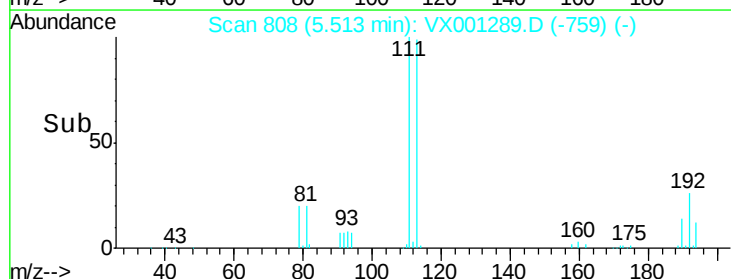
192 26.1 20.7 31.1

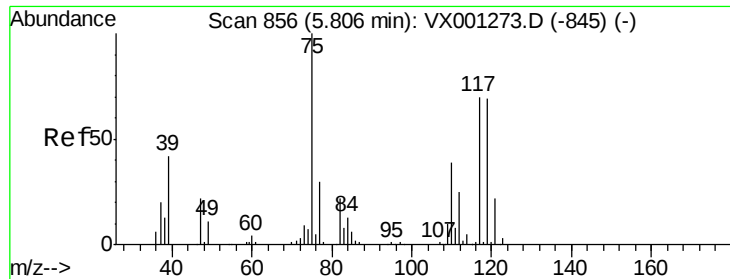


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

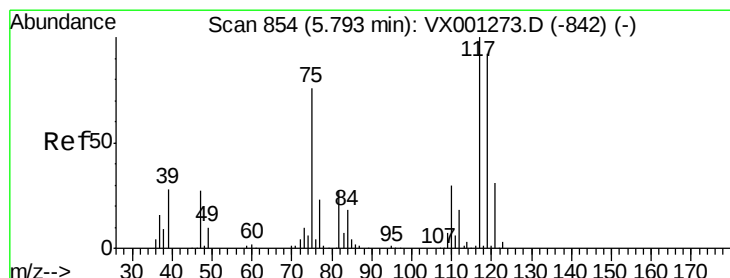
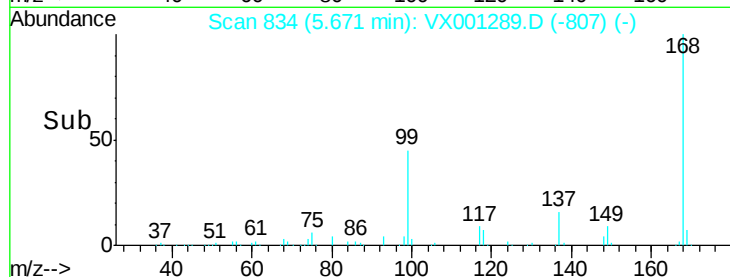
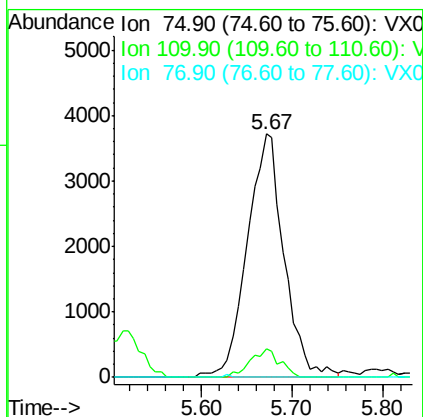
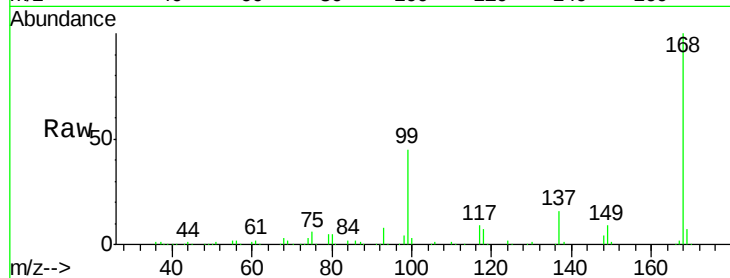




#36
 1,1-Dichloropropene
 Concen: 3.89 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.13 min
 Lab File: VX001289.D
 Acq: 01 May 2018 21:13

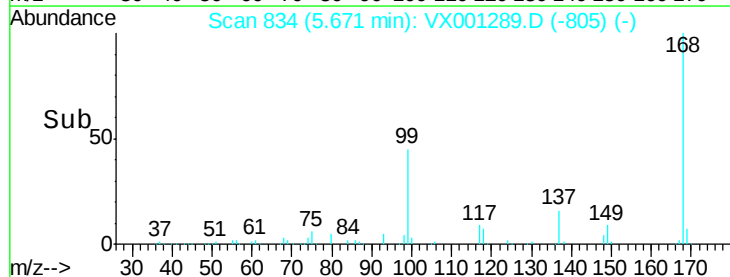
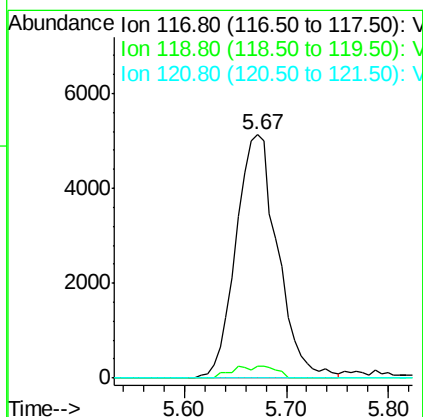
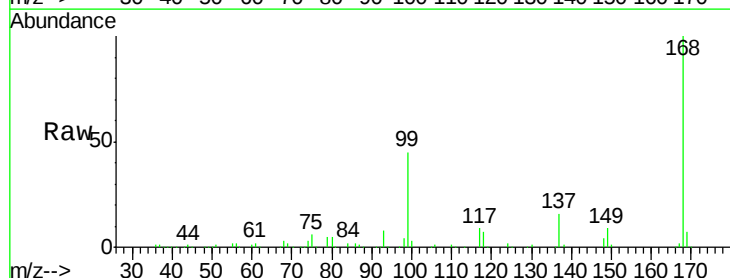
Instrument :
 MSVOA_X
 ClientSampleId :
 CS-DRUM-2-OILY-WIPE

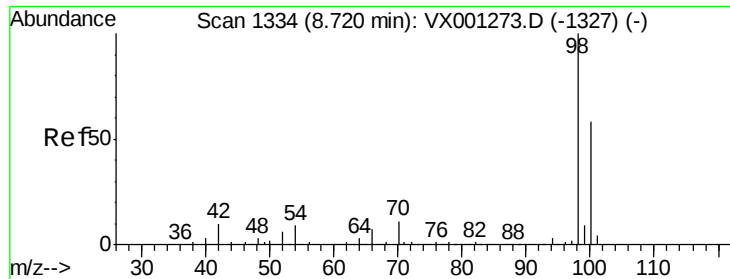
Tgt Ion: 75 Resp: 10426
 Ion Ratio Lower Upper
 75 100
 110 9.4 18.9 56.9#
 77 0.0 24.2 36.2#



#38
 Carbon Tetrachloride
 Concen: 5.18 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.12 min
 Lab File: VX001289.D
 Acq: 01 May 2018 21:13

Tgt Ion: 117 Resp: 14528
 Ion Ratio Lower Upper
 117 100
 119 5.1 73.4 110.2#
 121 0.0 25.0 37.4#

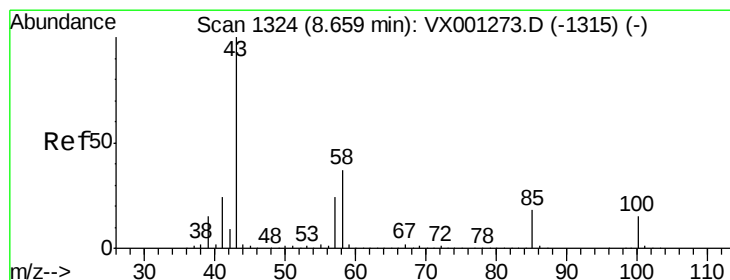
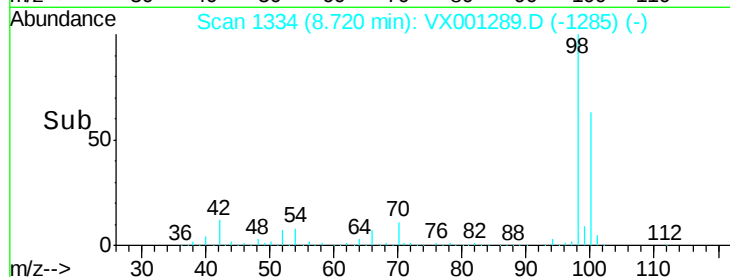
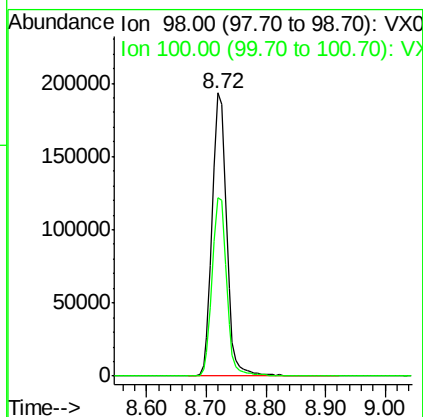
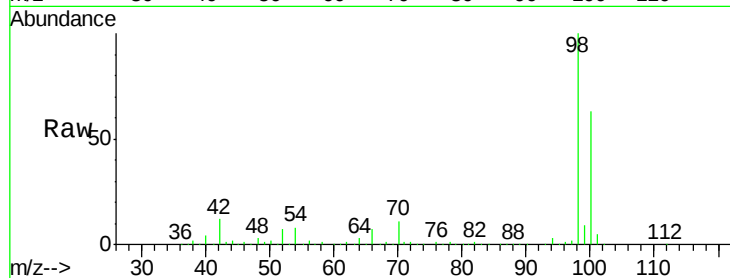




#50
Toluene-d8
Concen: 45.02 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VX001289.D
Acq: 01 May 2018 21:13

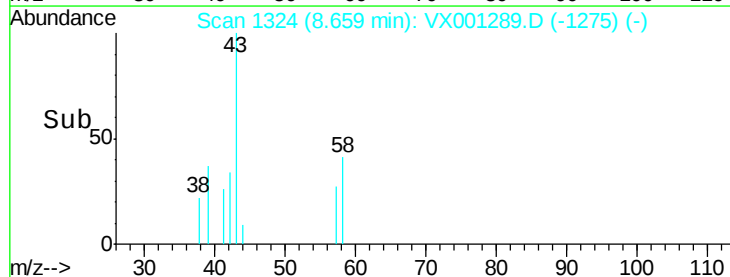
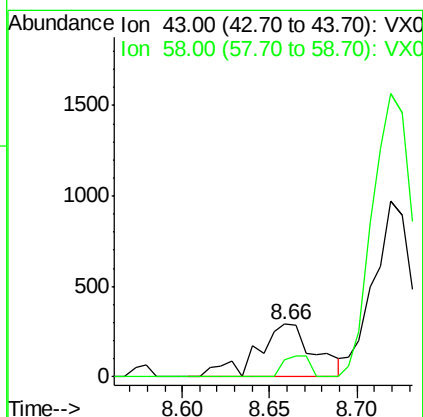
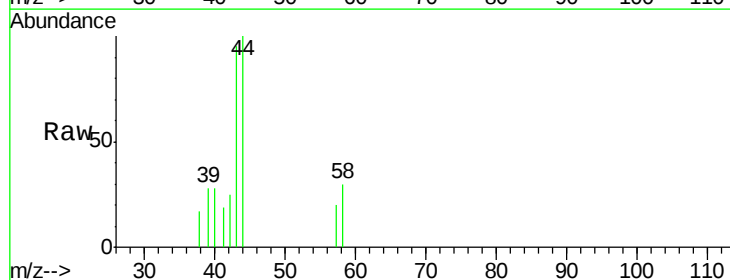
Instrument :
MSVOA_X
ClientSampleId :
CS-DRUM-2-OILY-WIPE

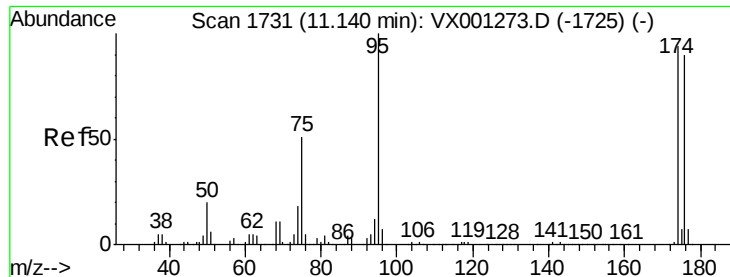
Tgt Ion: 98 Resp: 321422
Ion Ratio Lower Upper
98 100
100 63.0 51.0 76.4



#51
4-Methyl-2-Pentanone
Concen: 0.24 ug/l
RT: 8.66 min Scan# 1324
Delta R.T. -0.00 min
Lab File: VX001289.D
Acq: 01 May 2018 21:13

Tgt Ion: 43 Resp: 665
Ion Ratio Lower Upper
43 100
58 17.6 29.0 43.6#

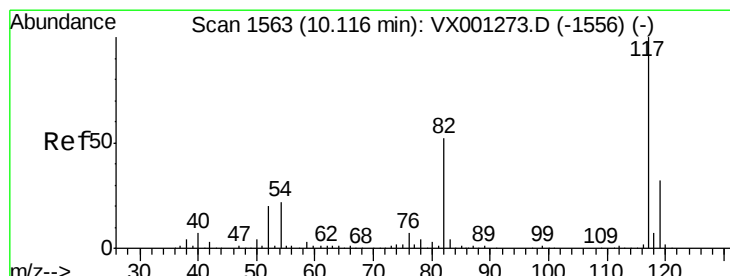
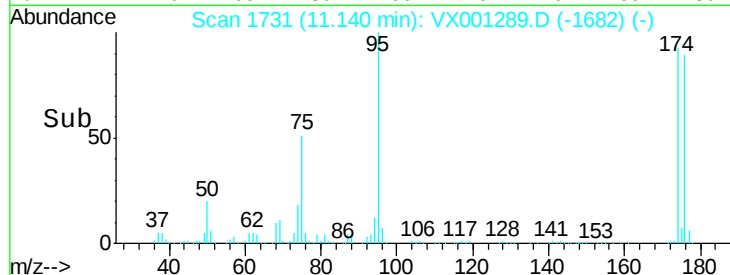
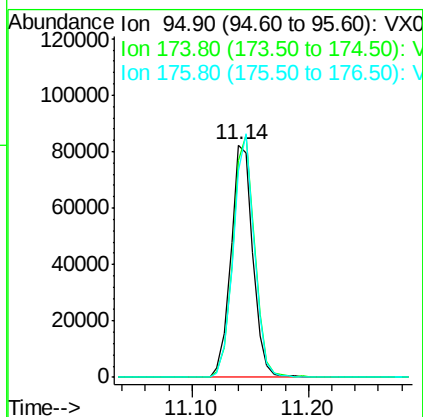
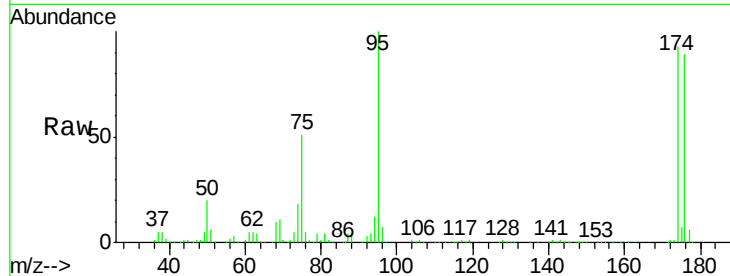




#62
4-Bromofluorobenzene
Concen: 37.97 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. -0.00 min
Lab File: VX001289.D
Acq: 01 May 2018 21:13

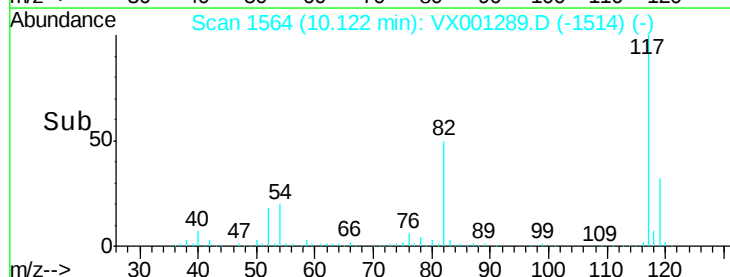
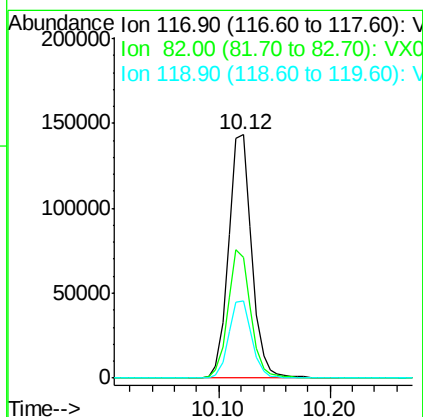
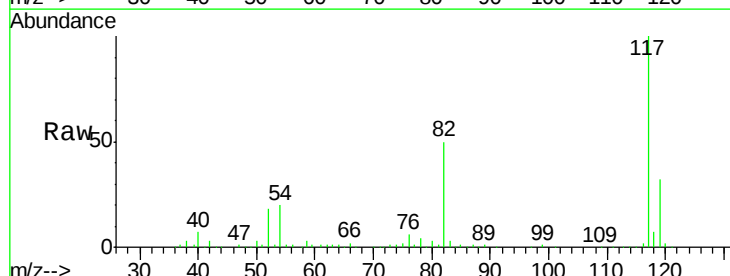
Instrument :
MSVOA_X
ClientSampleId :
CS-DRUM-2-OILY-WIPE

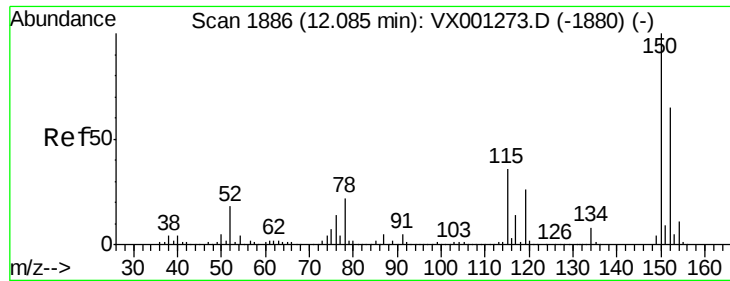
Tgt Ion: 95 Resp: 108441
Ion Ratio Lower Upper
95 100
174 102.4 0.0 201.8
176 100.0 0.0 197.2



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. 0.01 min
Lab File: VX001289.D
Acq: 01 May 2018 21:13

Tgt Ion: 117 Resp: 205989
Ion Ratio Lower Upper
117 100
82 49.6 41.4 62.0
119 31.9 25.5 38.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX001289.D

Acq: 01 May 2018 21:13

Instrument :

MSVOA_X

ClientSampleId :

CS-DRUM-2-OILY-WIPE

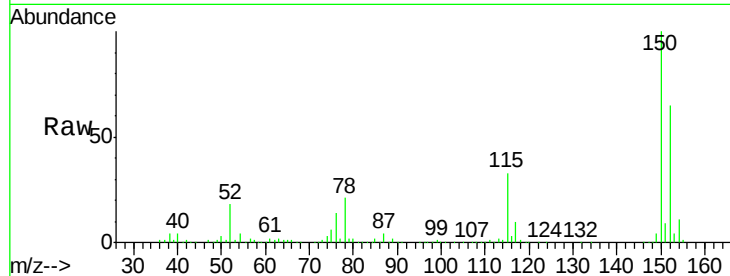
Tgt Ion:152 Resp: 118330

Ion Ratio Lower Upper

152 100

115 52.1 38.6 115.7

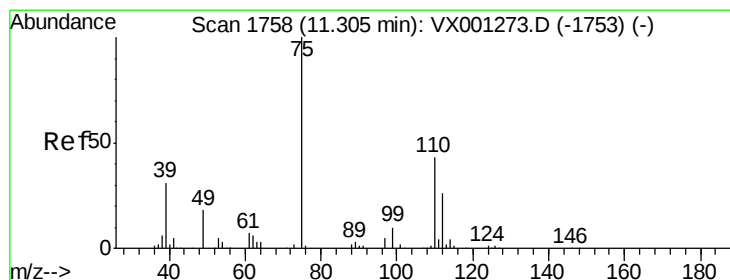
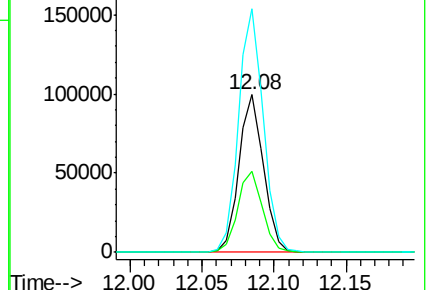
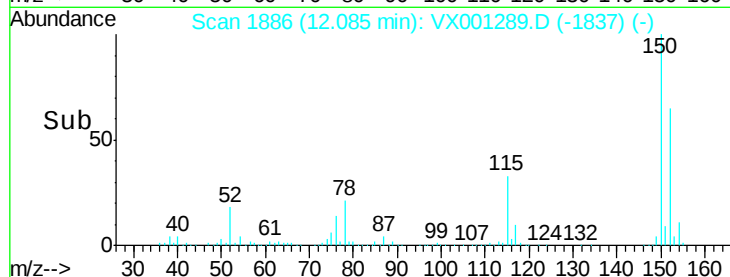
150 155.8 0.0 349.2



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 25.35 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX001289.D

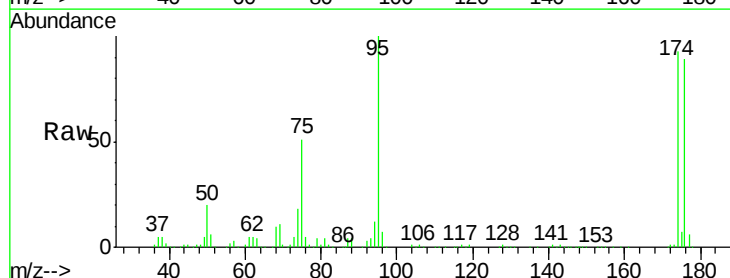
Acq: 01 May 2018 21:13

Tgt Ion: 75 Resp: 55476

Ion Ratio Lower Upper

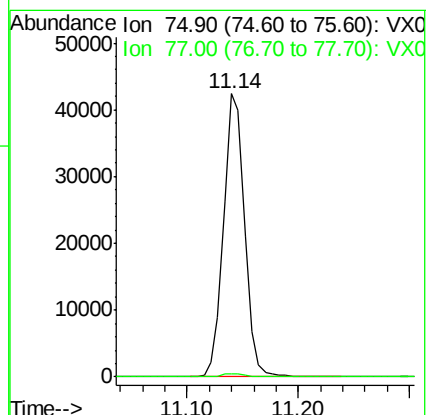
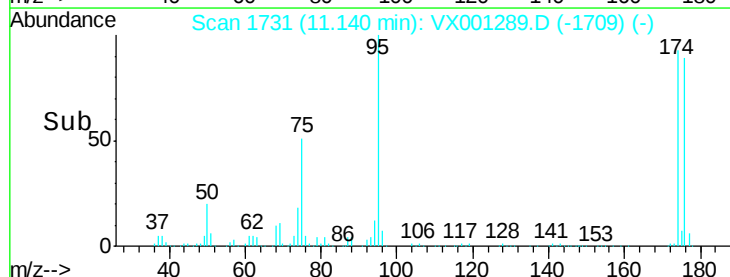
75 100

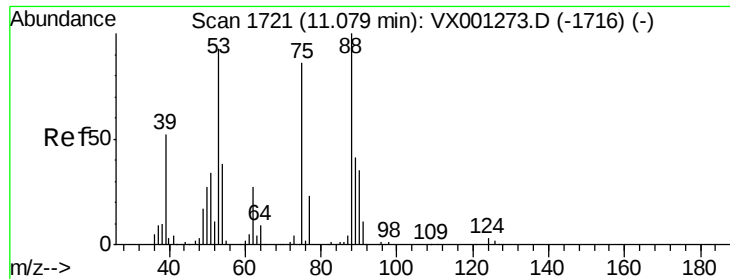
77 1.2 18.9 56.5#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

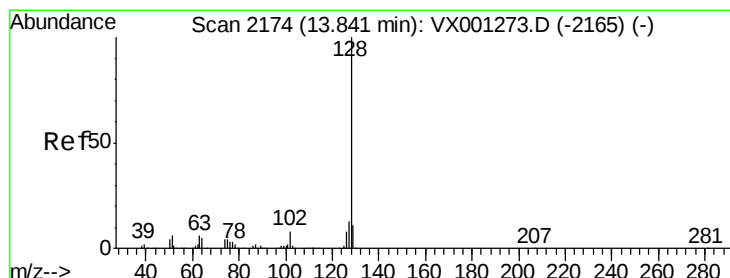
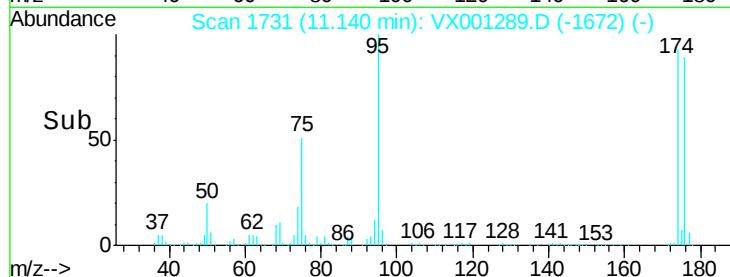
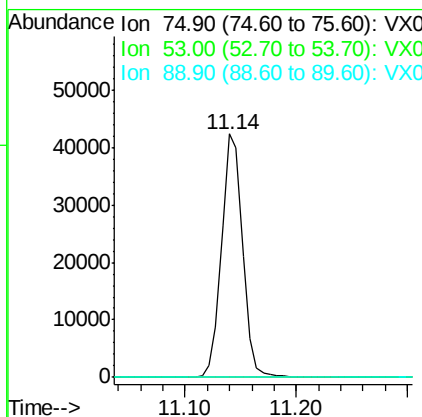
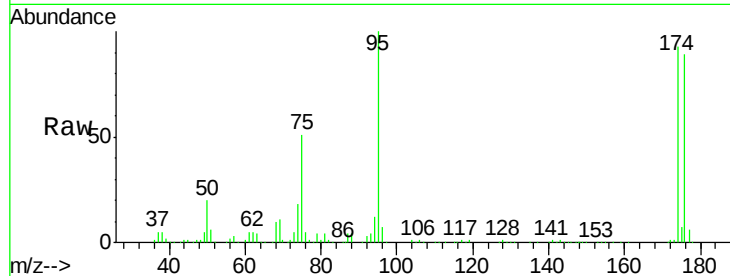




#81
trans-1,4-Dichloro-2-butene
Concen: 79.70 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.06 min
Lab File: VX001289.D
Acq: 01 May 2018 21:13

Instrument :
MSVOA_X
ClientSampleId :
CS-DRUM-2-OILY-WIPE

Tgt Ion: 75 Resp: 55476
Ion Ratio Lower Upper
75 100
53 0.0 87.1 130.7#
89 0.0 38.9 58.3#



#95
Naphthalene
Concen: 1.97 ug/l
RT: 13.84 min Scan# 2174
Delta R.T. -0.00 min
Lab File: VX001289.D
Acq: 01 May 2018 21:13

Tgt Ion: 128 Resp: 17058
Ion Ratio Lower Upper
128 100
127 14.1 10.5 15.7
129 11.2 8.7 13.1

