

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX050718\
 Data File : VX001493.D
 Acq On : 08 May 2018 04:13
 Operator : JC/MD
 Sample : J2776-02 5X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 JCSA-301

Quant Time: May 08 06:16:47 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X050518W.M
 Quant Title : SW846 8260
 QLast Update : Sun May 06 07:59:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	252048	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	345203	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	309509	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	170740	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	171365	47.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.60%	
35) Dibromofluoromethane	5.51	113	132907	43.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.56%	
50) Toluene-d8	8.72	98	478993	42.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.48%	
62) 4-Bromofluorobenzene	11.14	95	159238	37.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	74.02%	

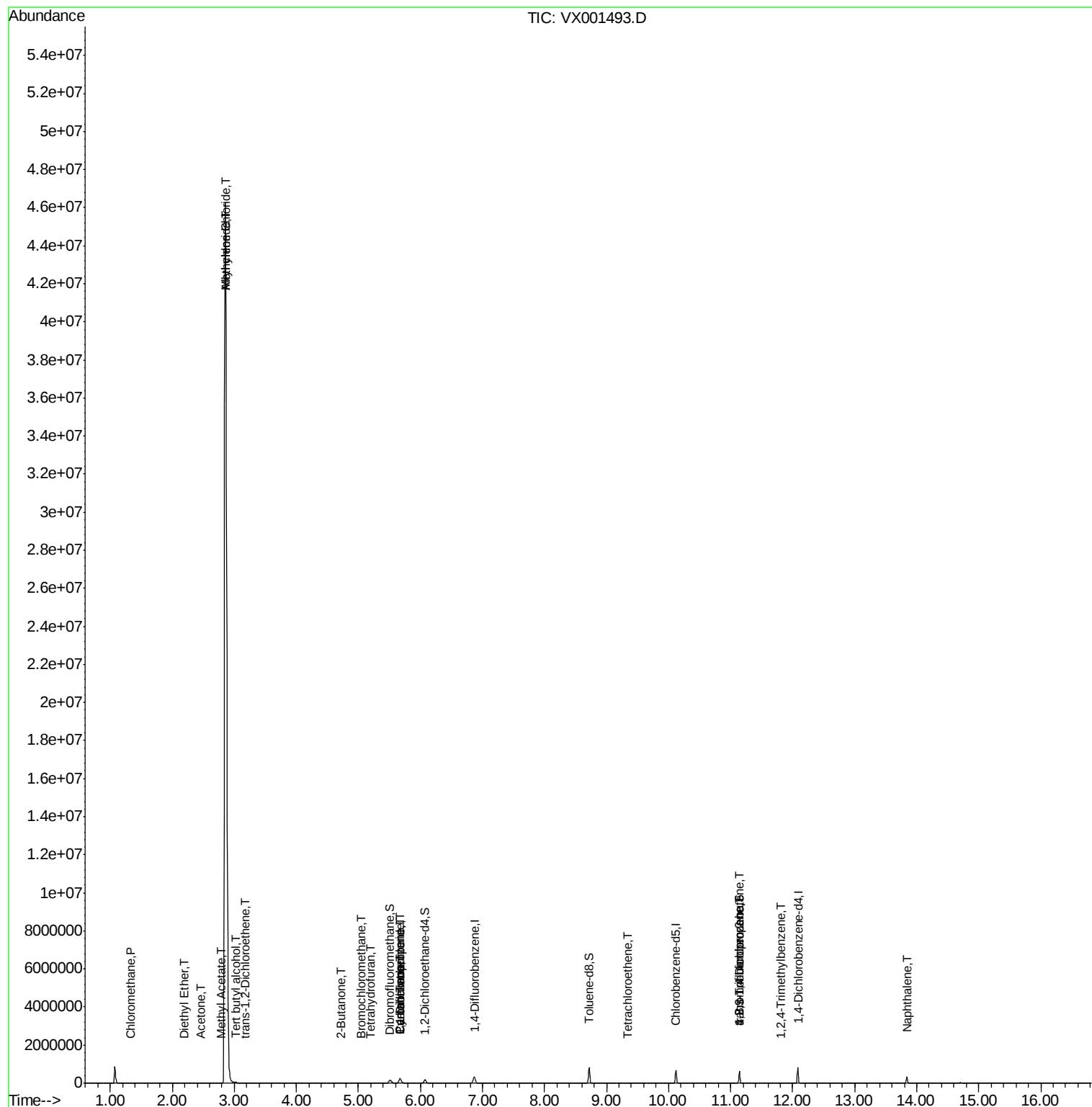
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	1036	0.31	ug/l	# 82
5) Bromomethane	1.65	94	1175	Below	Cal	83
8) Diethyl Ether	2.19	74	679	0.33	ug/l	90
11) Tert butyl alcohol	3.03	59	1107	1.45	ug/l	# 78
13) Acrolein	2.30	56	28	Below	Cal	# 16
14) Allyl chloride	2.86	41	1462501	281.23	ug/l	# 26
16) Acetone	2.45	43	8950	5.44	ug/l	92
18) Methyl Acetate	2.78	43	5802	1.34	ug/l	96
20) Methylene Chloride	2.85	84	24529970	7531.37	ug/l	# 72
21) trans-1,2-Dichloroethene	3.17	96	1242	0.40	ug/l	83
25) 2-Butanone	4.71	43	1663	0.70	ug/l	97
28) Bromochloromethane	5.04	49	5028	2.14	ug/l	98
29) Tetrahydrofuran	5.19	42	706	0.46	ug/l	# 63
31) Cyclohexane	5.67	56	4406	0.95	ug/l	# 15
36) 1,1-Dichloropropene	5.67	75	15999	3.64	ug/l	# 50
38) Carbon Tetrachloride	5.67	117	21590	4.61	ug/l	# 16
64) Tetrachloroethene	9.34	164	2300	0.53	ug/l	92
76) 1,2,3-Trichloropropane	11.14	75	79292	22.90	ug/l	# 38
81) trans-1,4-Dichloro-2-buten	11.14	75	79292	71.03	ug/l	# 7
84) 1,2,4-Trimethylbenzene	11.81	105	3007	0.30	ug/l	99
95) Naphthalene	13.84	128	188116	14.87	ug/l	100

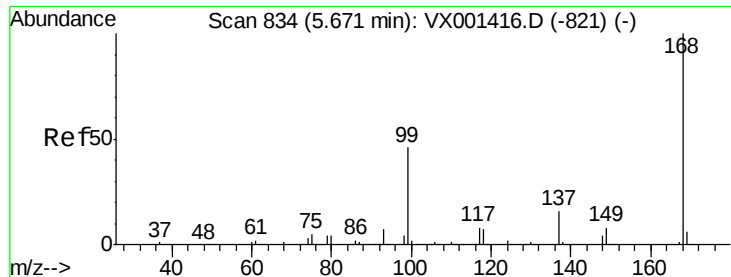
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sun May 06 07:59:25 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.00 min

Lab File: VX001493.D

Acq: 08 May 2018 04:13

Instrument :

MSVOA_X

ClientSampleId :

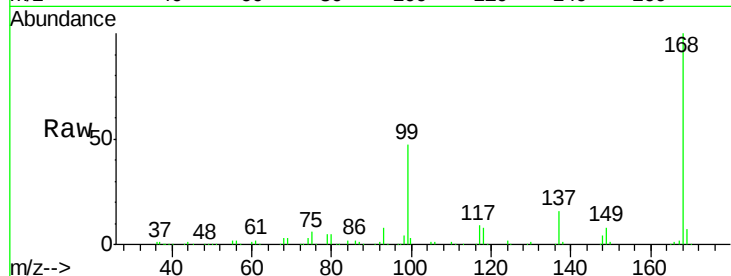
JCSA-301

Tgt Ion:168 Resp: 252048

Ion Ratio Lower Upper

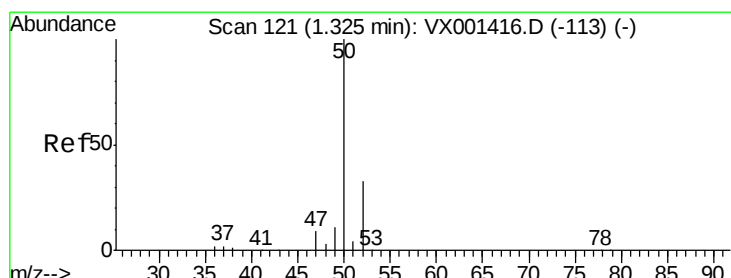
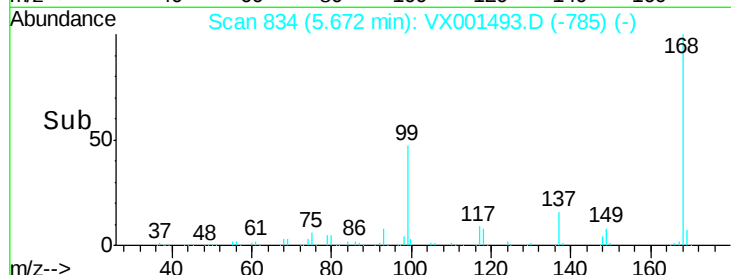
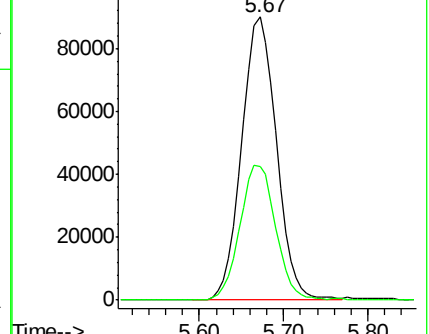
168 100

99 47.0 36.6 54.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.31 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX001493.D

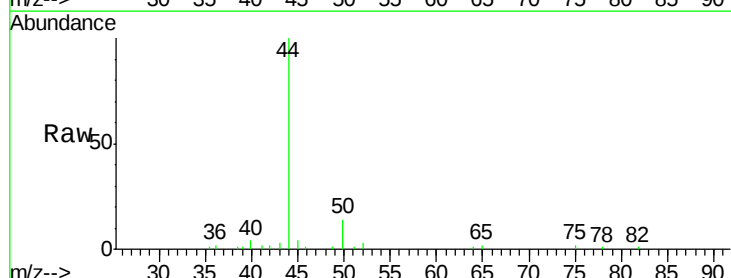
Acq: 08 May 2018 04:13

Tgt Ion: 50 Resp: 1036

Ion Ratio Lower Upper

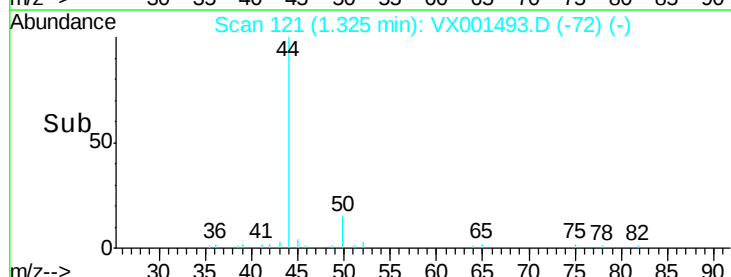
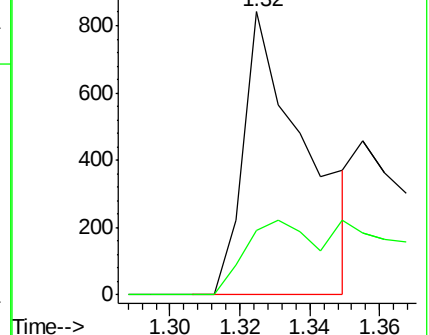
50 100

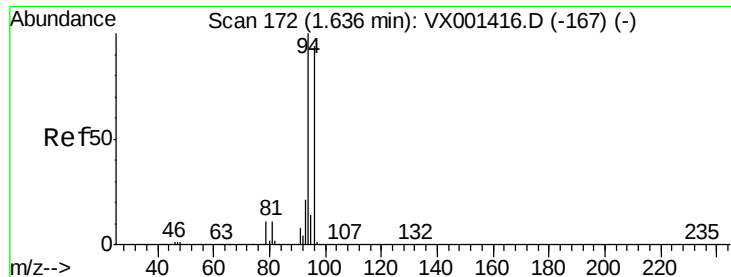
52 22.8 26.2 39.4#



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: 1.65 min Scan# 175

Delta R.T. 0.02 min

Lab File: VX001493.D

Acq: 08 May 2018 04:13

Instrument :

MSVOA_X

ClientSampleId :

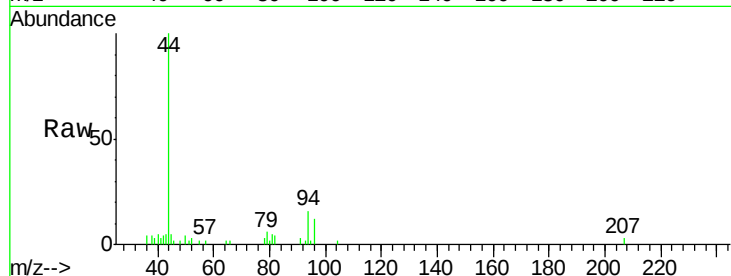
JCSA-301

Tgt Ion: 94 Resp: 1175

Ion Ratio Lower Upper

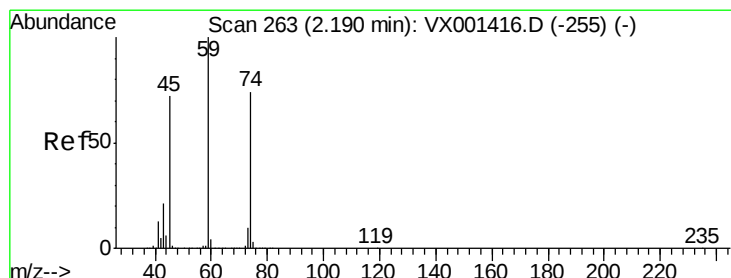
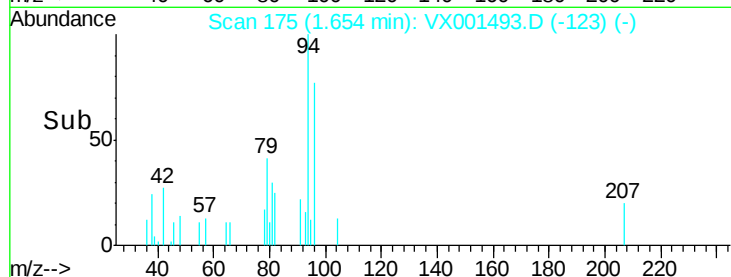
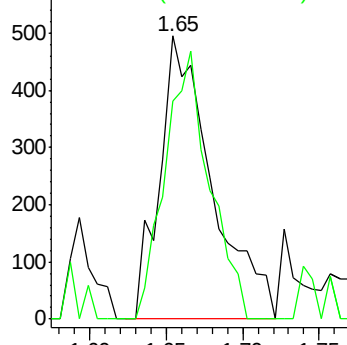
94 100

96 77.2 75.0 112.6



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#8

Diethyl Ether

Concen: 0.33 ug/l

RT: 2.19 min Scan# 263

Delta R.T. 0.00 min

Lab File: VX001493.D

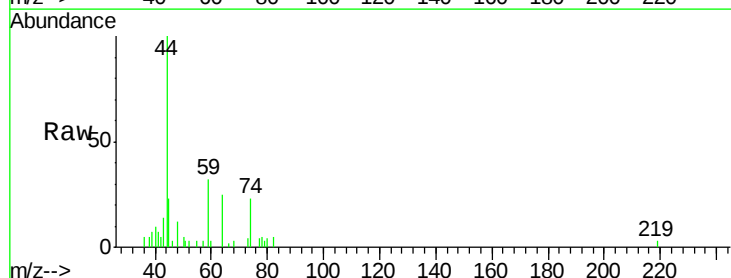
Acq: 08 May 2018 04:13

Tgt Ion: 74 Resp: 679

Ion Ratio Lower Upper

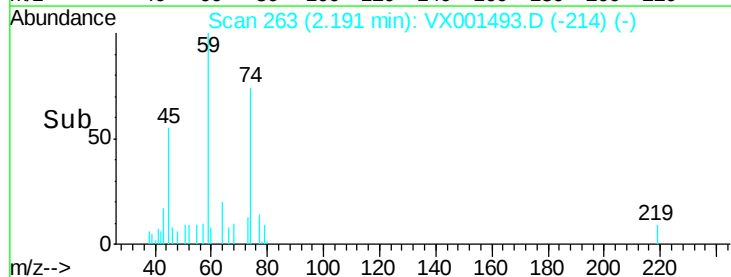
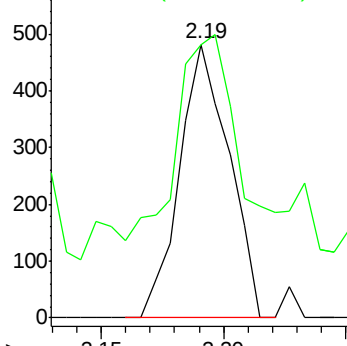
74 100

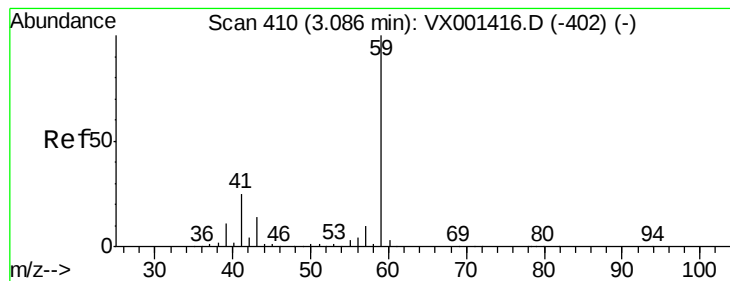
45 85.9 47.9 143.6



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0



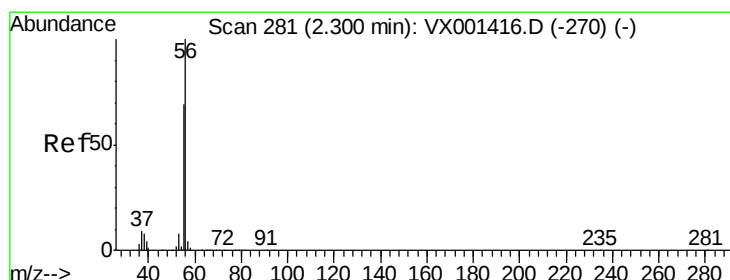
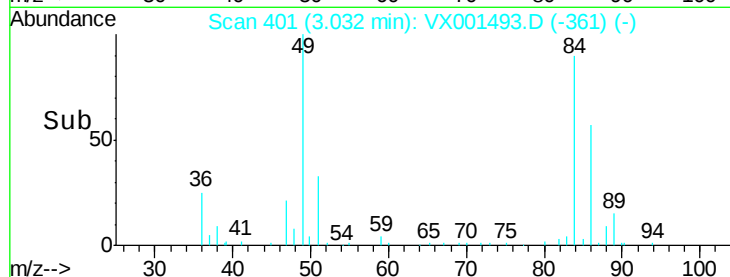
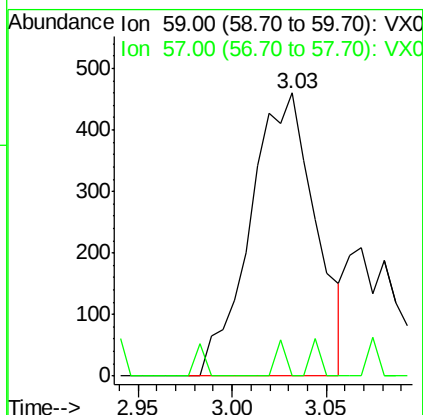
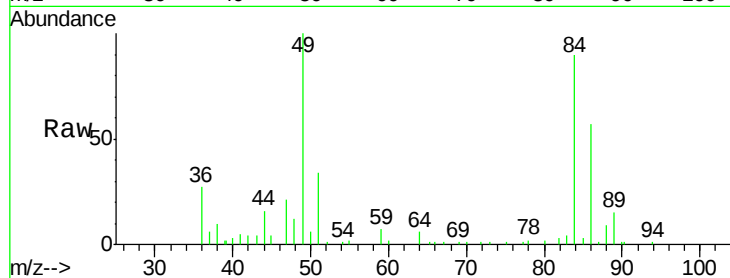


#11

Tert butyl alcohol
 Concen: 1.45 ug/l
 RT: 3.03 min Scan# 401
 Delta R.T. -0.05 min
 Lab File: VX001493.D
 Acq: 08 May 2018 04:13

Instrument :
 MSVOA_X
 ClientSampleId :
 JCSA-301

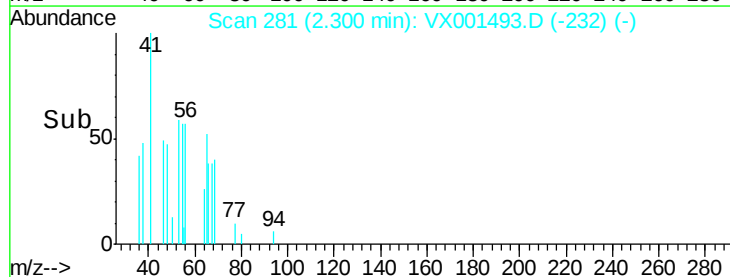
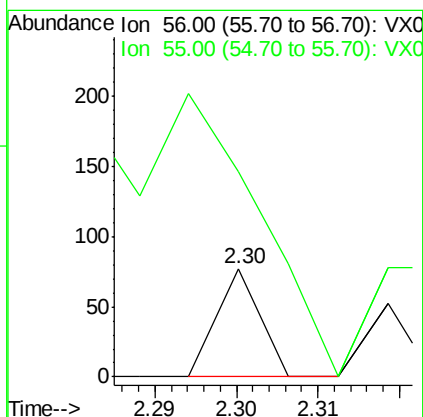
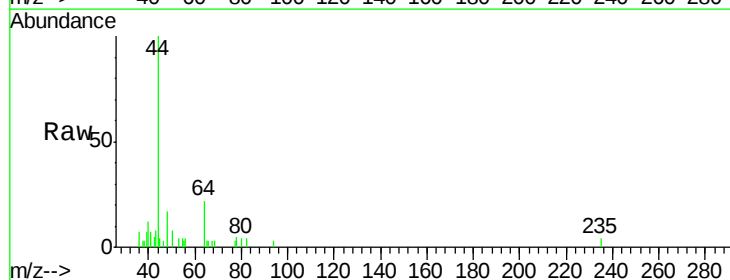
Tgt Ion: 59 Resp: 1107
 Ion Ratio Lower Upper
 59 100
 57 2.0 8.2 12.4#

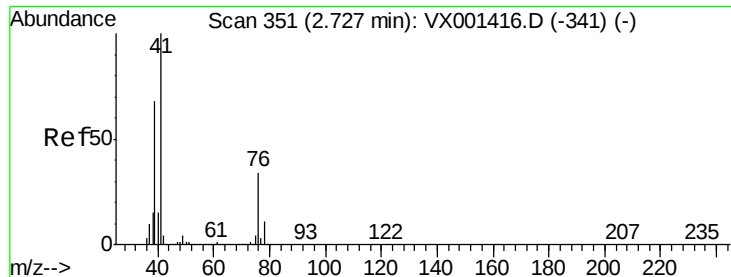


#13

Acrolein
 Concen: Below Cal
 RT: 2.30 min Scan# 281
 Delta R.T. 0.00 min
 Lab File: VX001493.D
 Acq: 08 May 2018 04:13

Tgt Ion: 56 Resp: 28
 Ion Ratio Lower Upper
 56 100
 55 0.0 54.5 81.7#





#14

Allyl chloride

Concen: 281.23 ug/l

RT: 2.86 min Scan# 372

Delta R.T. 0.13 min

Lab File: VX001493.D

Acq: 08 May 2018 04:13

Instrument :

MSVOA_X

ClientSampleId :

JCSA-301

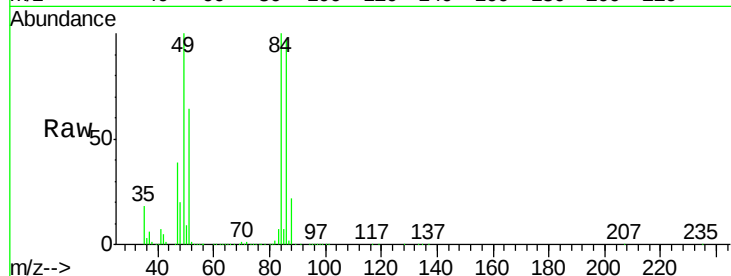
Tgt Ion: 41 Resp: 1462501

Ion Ratio Lower Upper

41 100

39 0.6 52.4 78.6#

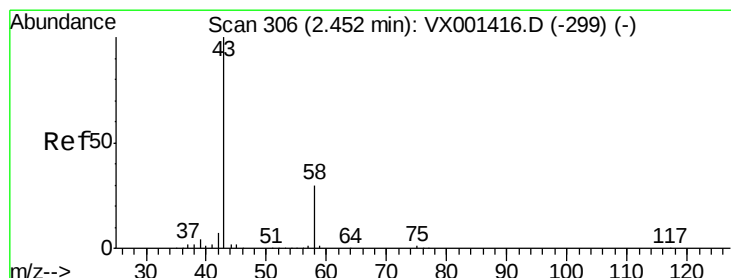
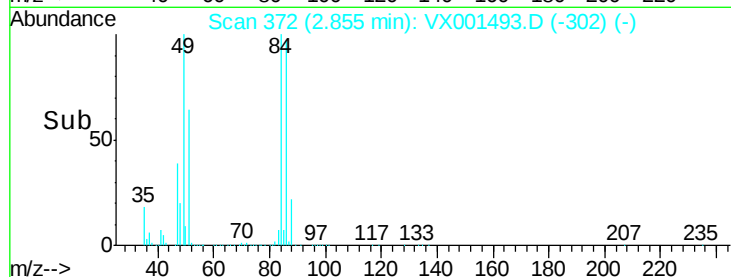
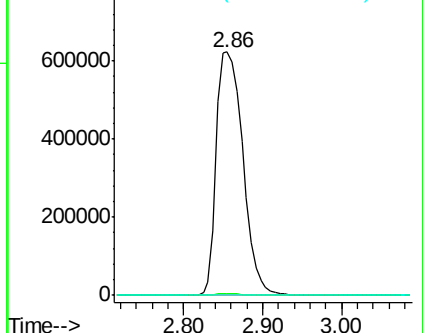
76 0.0 25.8 38.6#



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0



#16

Acetone

Concen: 5.44 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.00 min

Lab File: VX001493.D

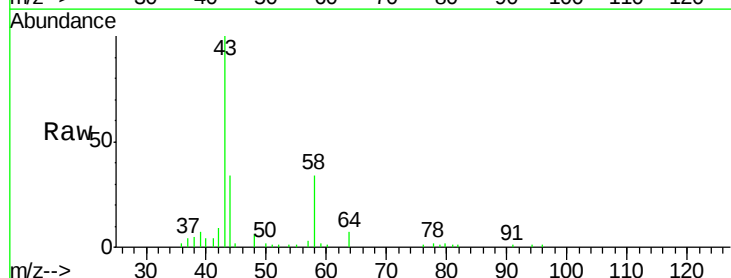
Acq: 08 May 2018 04:13

Tgt Ion: 43 Resp: 8950

Ion Ratio Lower Upper

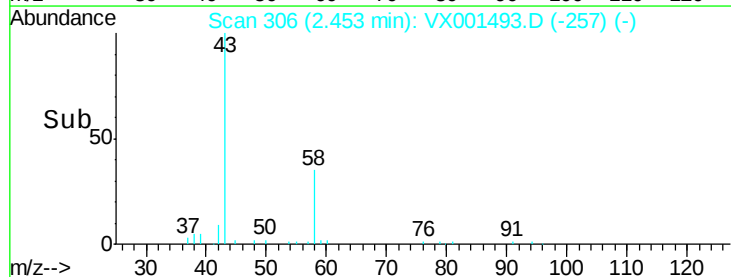
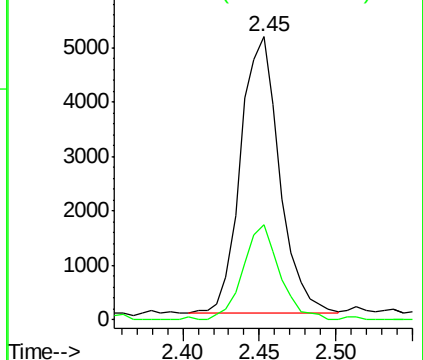
43 100

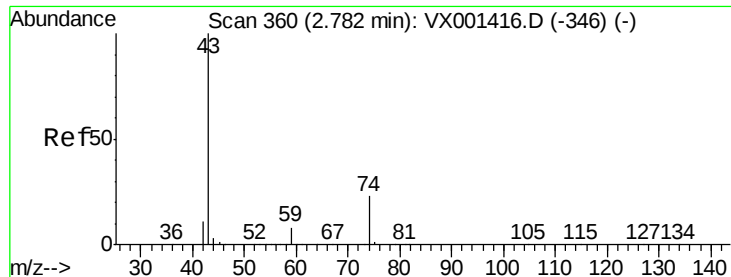
58 34.4 23.8 35.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

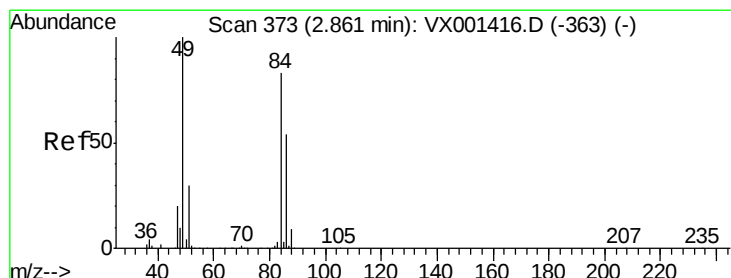
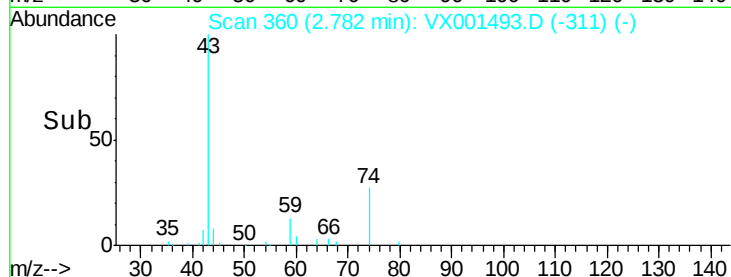
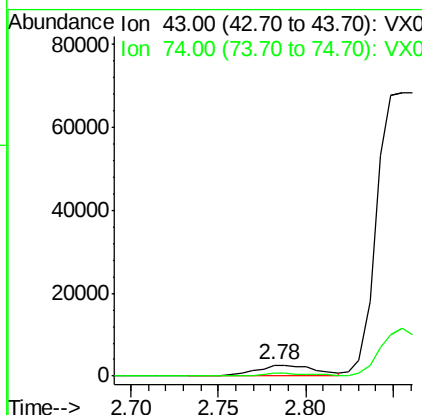
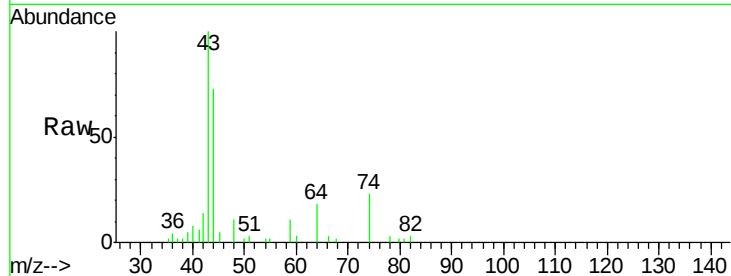




#18
Methyl Acetate
Concen: 1.34 ug/l
RT: 2.78 min Scan# 360
Delta R.T. 0.00 min
Lab File: VX001493.D
Acq: 08 May 2018 04:13

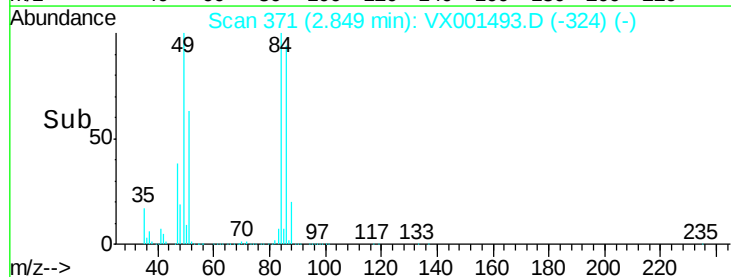
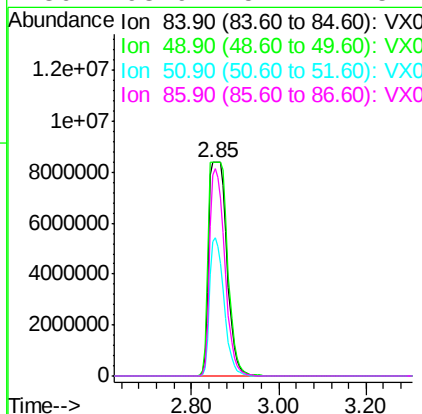
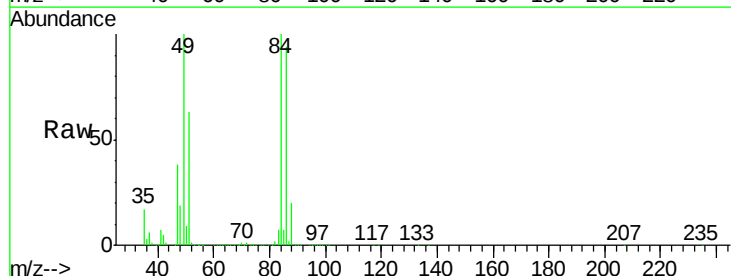
Instrument :
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ClientSampleId :
JCSA-301

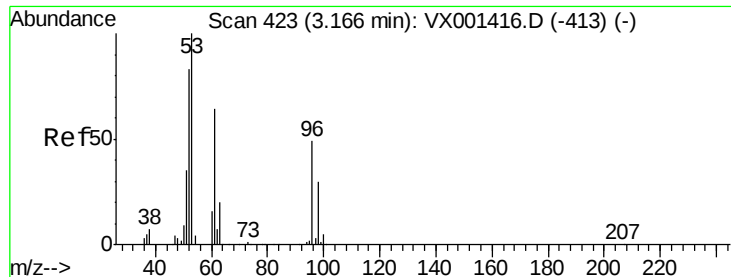
Tgt Ion: 43 Resp: 5802
Ion Ratio Lower Upper
43 100
74 25.1 18.6 27.8



#20
Methylene Chloride
Concen: 7531.37 ug/l
RT: 2.85 min Scan# 371
Delta R.T. -0.01 min
Lab File: VX001493.D
Acq: 08 May 2018 04:13

Tgt Ion: 84 Resp: 24529970
Ion Ratio Lower Upper
84 100
49 100.0 96.6 144.8
51 62.9 29.0 43.4#
86 93.9 52.2 78.4#





#21

trans-1,2-Dichloroethene

Concen: 0.40 ug/l

RT: 3.17 min Scan# 423

Delta R.T. 0.00 min

Lab File: VX001493.D

Acq: 08 May 2018 04:13

Instrument :

MSVOA_X

ClientSampleId :

JCSA-301

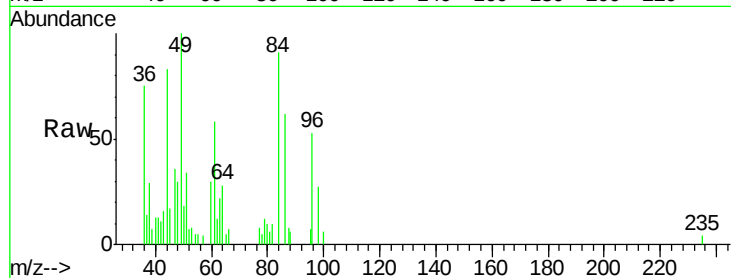
Tgt Ion: 96 Resp: 1242

Ion Ratio Lower Upper

96 100

61 109.8 105.0 157.4

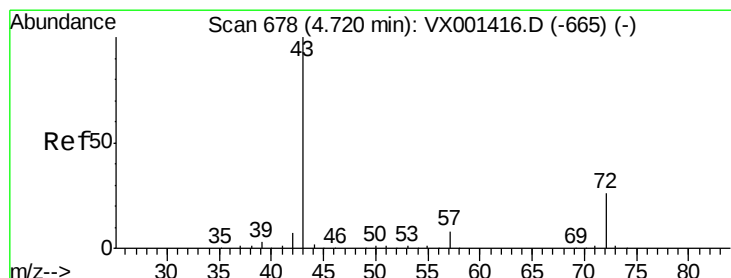
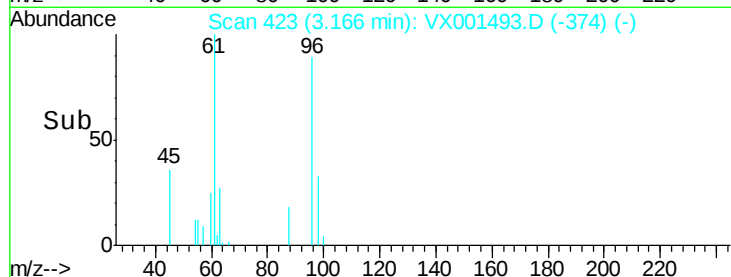
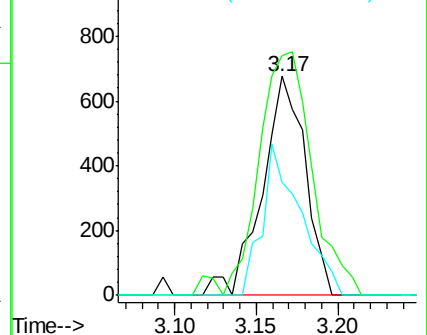
98 51.8 49.9 74.9



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#25

2-Butanone

Concen: 0.70 ug/l

RT: 4.71 min Scan# 676

Delta R.T. -0.01 min

Lab File: VX001493.D

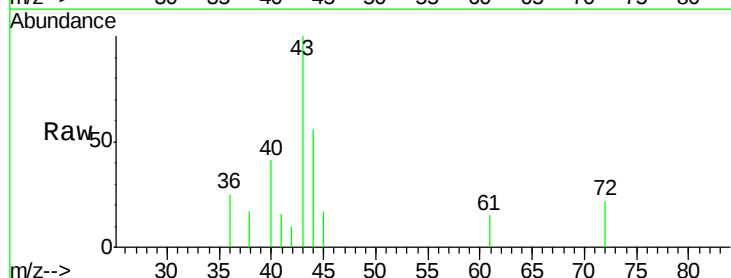
Acq: 08 May 2018 04:13

Tgt Ion: 43 Resp: 1663

Ion Ratio Lower Upper

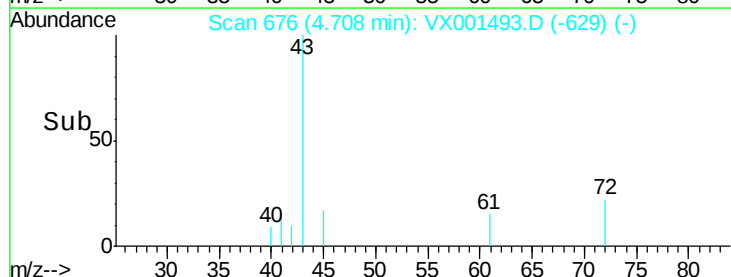
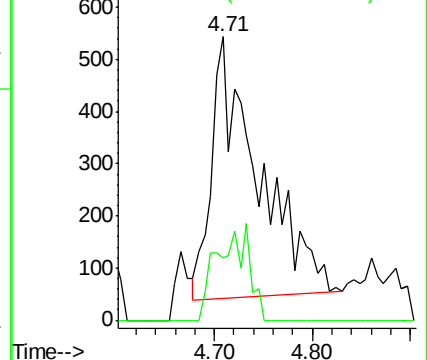
43 100

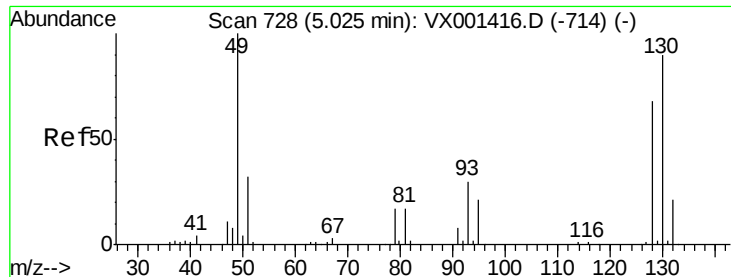
72 24.6 20.7 31.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0





#28

Bromochloromethane

Concen: 2.14 ug/l

RT: 5.04 min Scan# 730

Delta R.T. 0.01 min

Lab File: VX001493.D

Acq: 08 May 2018 04:13

Instrument :

MSVOA_X

ClientSampleId :

JCSA-301

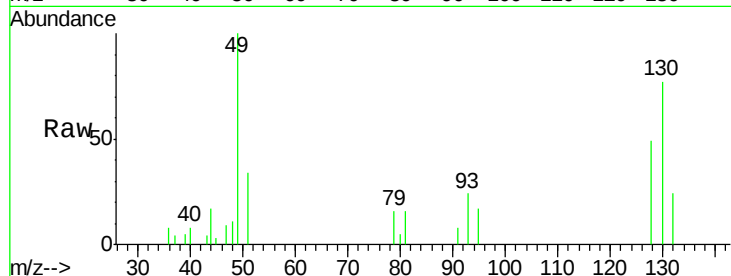
Tgt Ion: 49 Resp: 5028

Ion Ratio Lower Upper

49 100

129 0.5 0.0 4.8

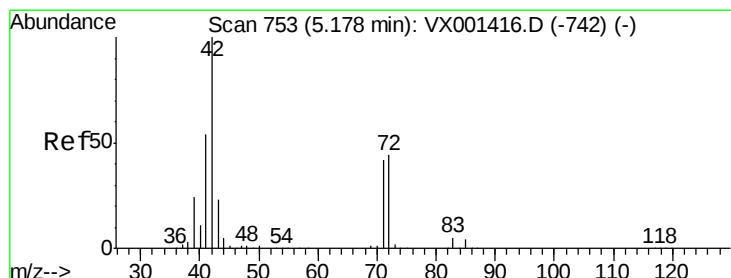
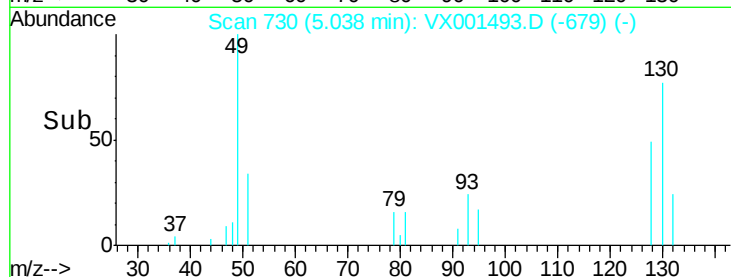
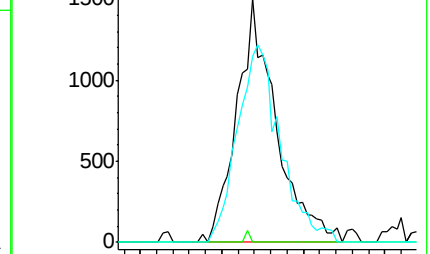
130 88.4 71.9 107.9



Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V



#29

Tetrahydrofuran

Concen: 0.46 ug/l

RT: 5.19 min Scan# 755

Delta R.T. 0.01 min

Lab File: VX001493.D

Acq: 08 May 2018 04:13

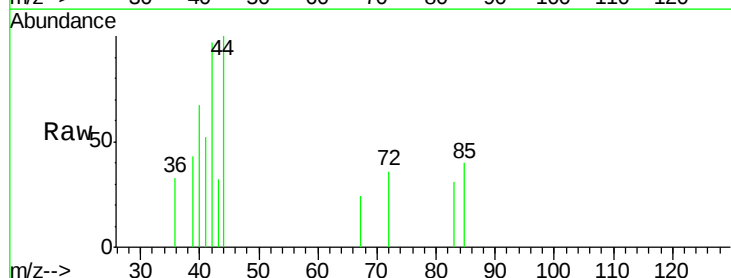
Tgt Ion: 42 Resp: 706

Ion Ratio Lower Upper

42 100

72 24.4 35.4 53.2#

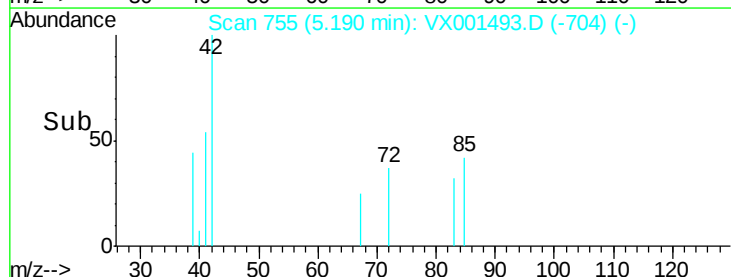
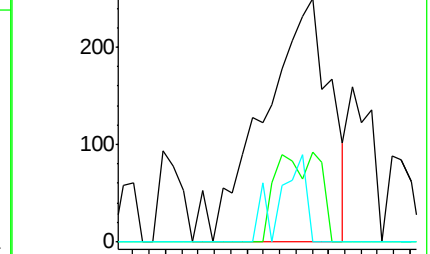
71 14.0 33.0 49.4#

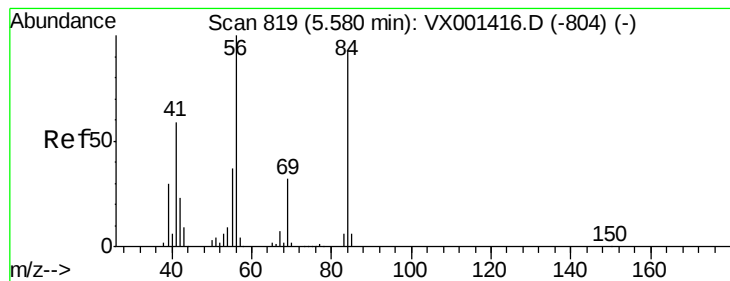


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0





#31

Cyclohexane

Concen: 0.95 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.09 min

Lab File: VX001493.D

Acq: 08 May 2018 04:13

Instrument :

MSVOA_X

ClientSampled :

JCSA-301

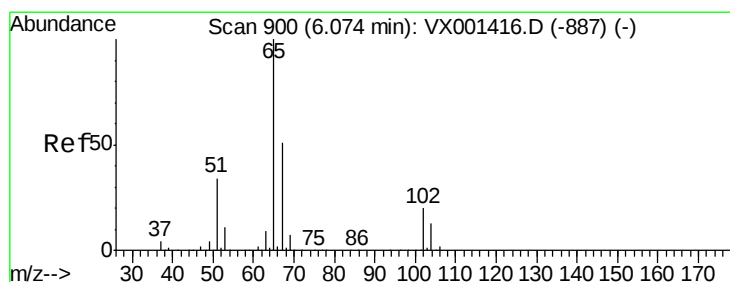
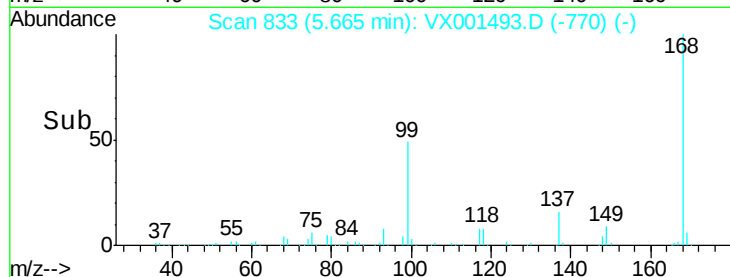
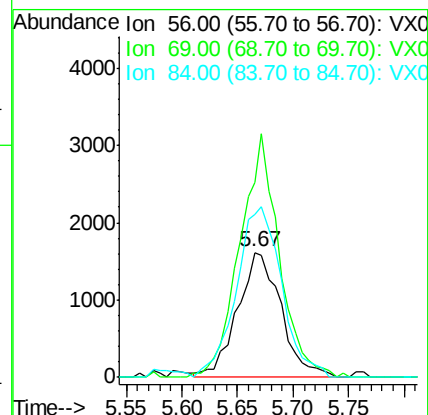
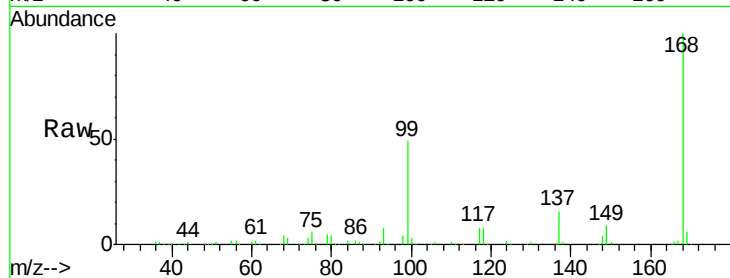
Tgt Ion: 56 Resp: 4406

Ion Ratio Lower Upper

56 100

69 152.4 25.4 38.0#

84 130.6 73.8 110.8#



#33

1,2-Dichloroethane-d4

Concen: 47.30 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.00 min

Lab File: VX001493.D

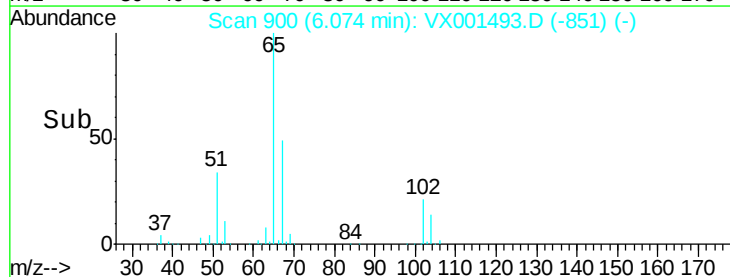
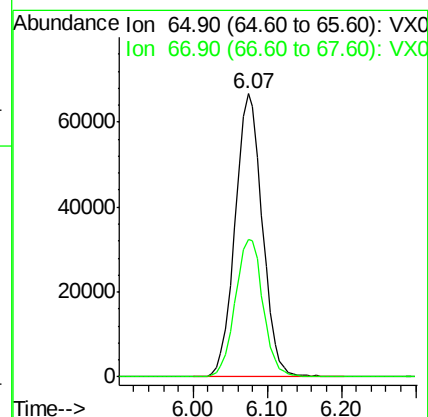
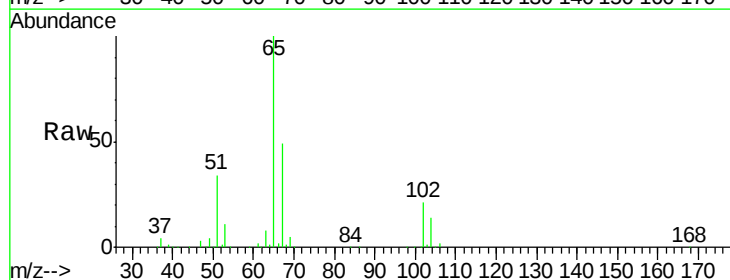
Acq: 08 May 2018 04:13

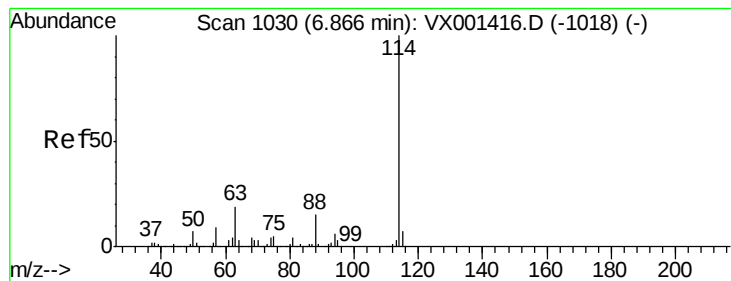
Tgt Ion: 65 Resp: 171365

Ion Ratio Lower Upper

65 100

67 49.4 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VX001493.D

Acq: 08 May 2018 04:13

Instrument :

MSVOA_X

ClientSampleId :

JCSA-301

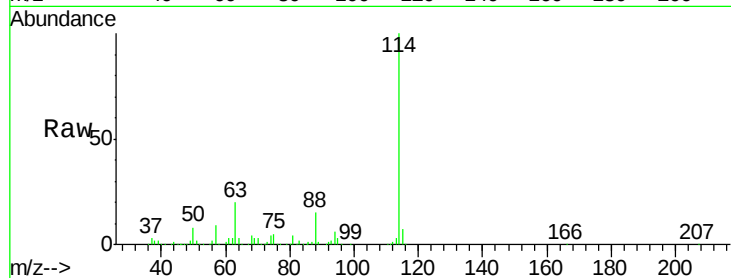
Tgt Ion:114 Resp: 345203

Ion Ratio Lower Upper

114 100

63 20.3 0.0 38.6

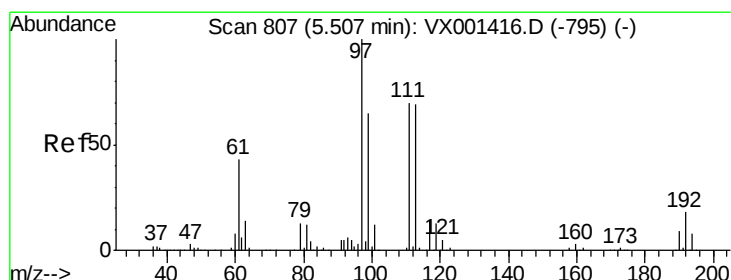
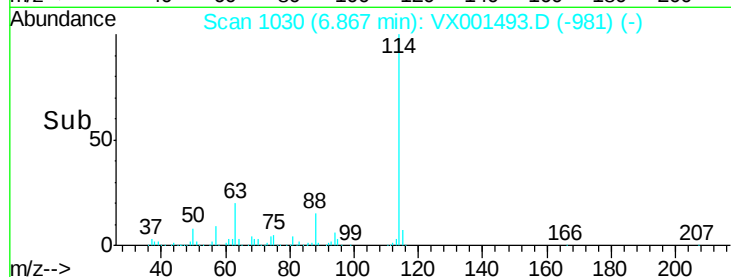
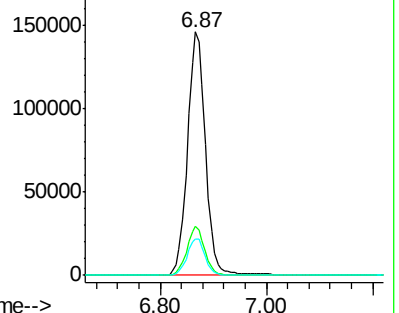
88 15.1 0.0 30.8



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: 43.28 ug/l

RT: 5.51 min Scan# 807

Delta R.T. 0.00 min

Lab File: VX001493.D

Acq: 08 May 2018 04:13

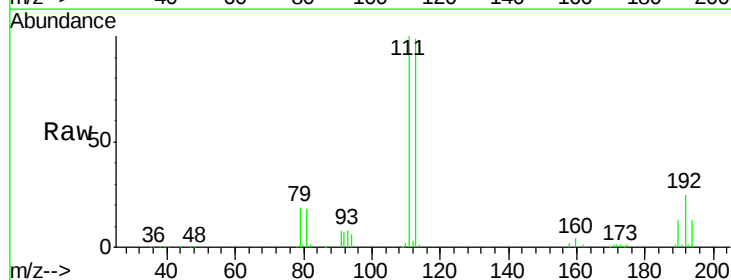
Tgt Ion:113 Resp: 132907

Ion Ratio Lower Upper

113 100

111 102.4 82.2 123.2

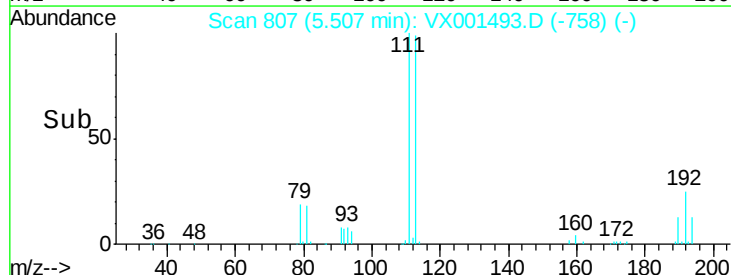
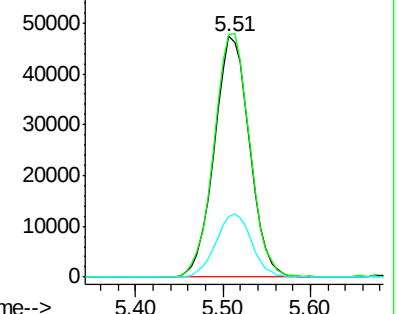
192 26.7 21.4 32.0

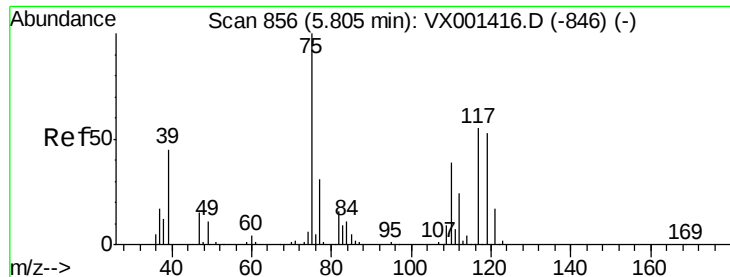


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

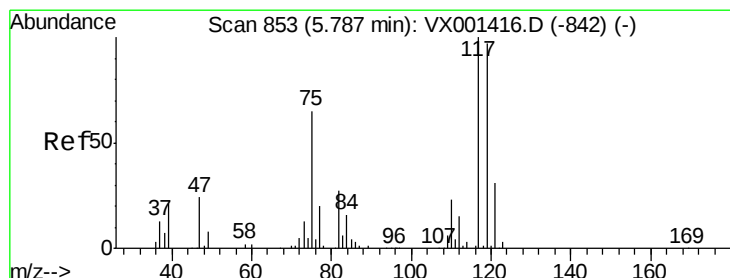
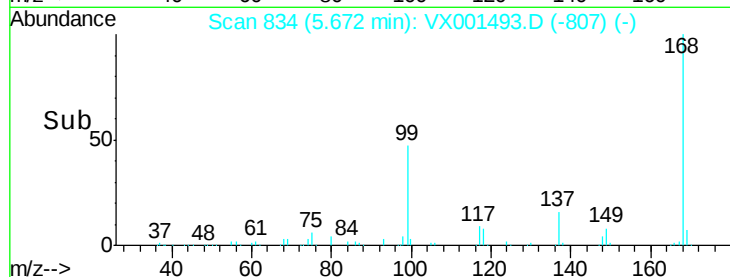
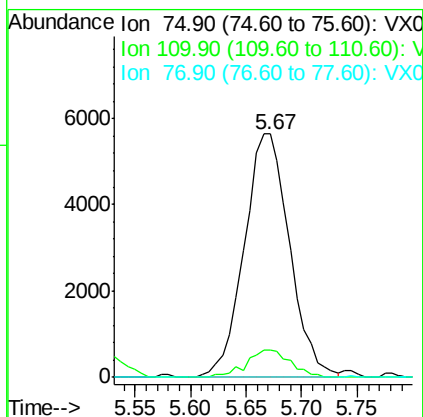
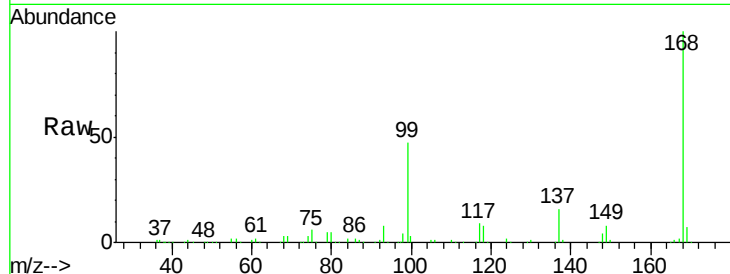




#36
 1,1-Dichloropropene
 Concen: 3.64 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.13 min
 Lab File: VX001493.D
 Acq: 08 May 2018 04:13

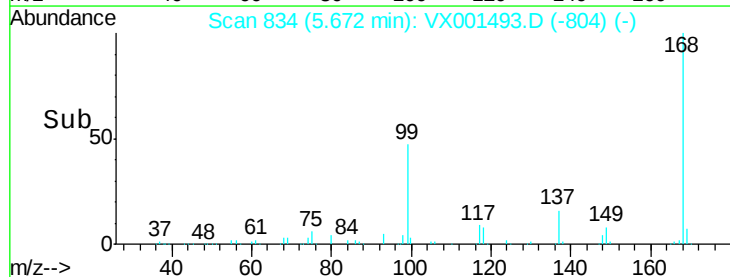
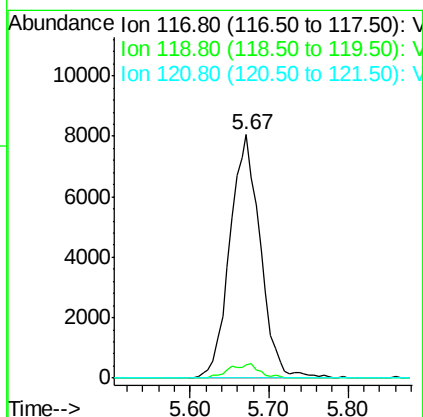
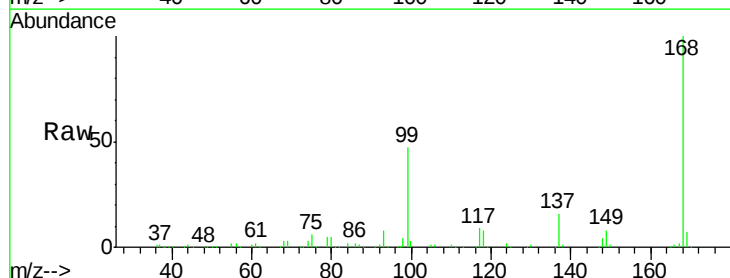
Instrument :
 MSVOA_X
 ClientSampleId :
 JCSA-301

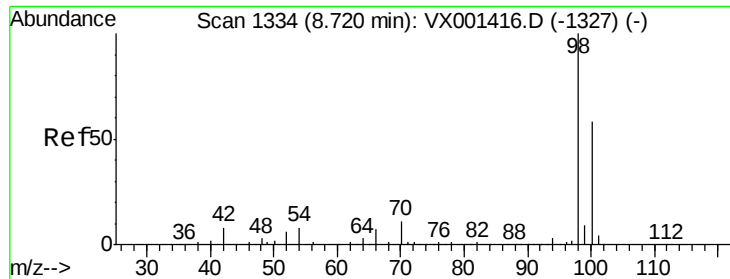
Tgt Ion: 75 Resp: 15999
 Ion Ratio Lower Upper
 75 100
 110 11.0 18.9 56.7#
 77 0.0 24.9 37.3#



#38
 Carbon Tetrachloride
 Concen: 4.61 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.12 min
 Lab File: VX001493.D
 Acq: 08 May 2018 04:13

Tgt Ion: 117 Resp: 21590
 Ion Ratio Lower Upper
 117 100
 119 5.2 77.0 115.6#
 121 0.0 25.1 37.7#





#50

Toluene-d8

Concen: 42.74 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX001493.D

Acq: 08 May 2018 04:13

Instrument :

MSVOA_X

ClientSampled :

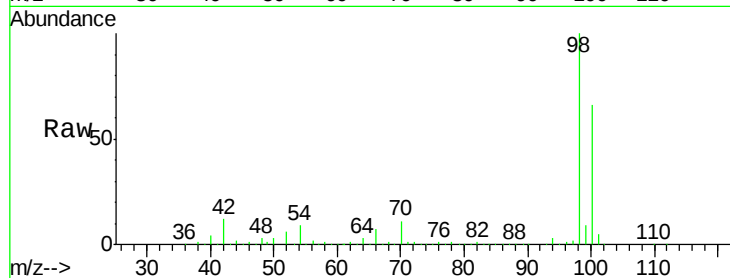
JCSA-301

Tgt Ion: 98 Resp: 478993

Ion Ratio Lower Upper

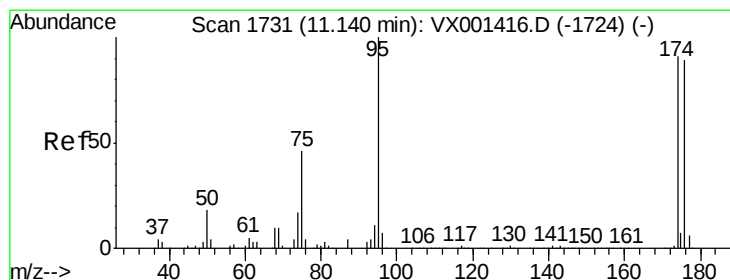
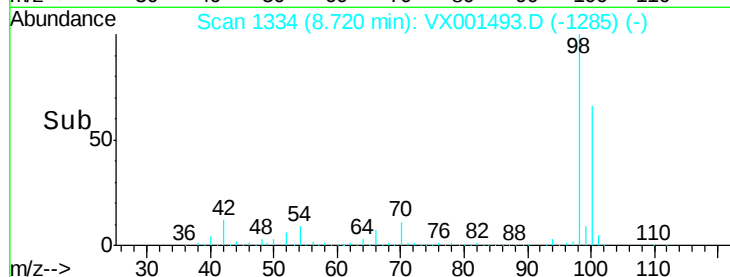
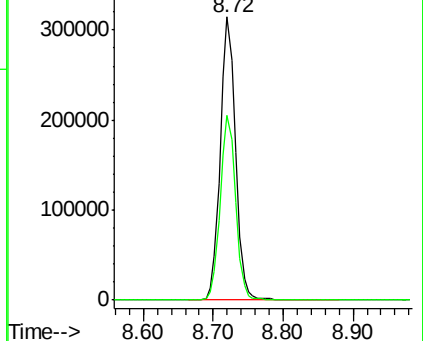
98 100

100 66.0 54.0 81.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX



#62

4-Bromofluorobenzene

Concen: 37.01 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX001493.D

Acq: 08 May 2018 04:13

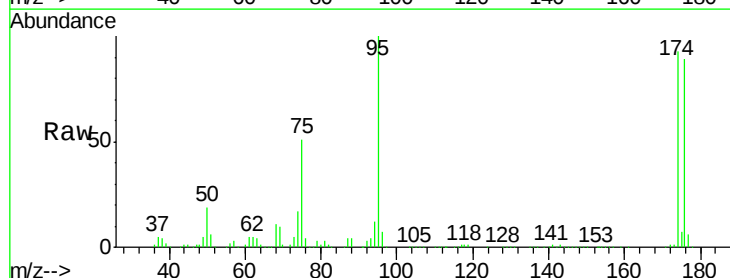
Tgt Ion: 95 Resp: 159238

Ion Ratio Lower Upper

95 100

174 100.4 0.0 202.0

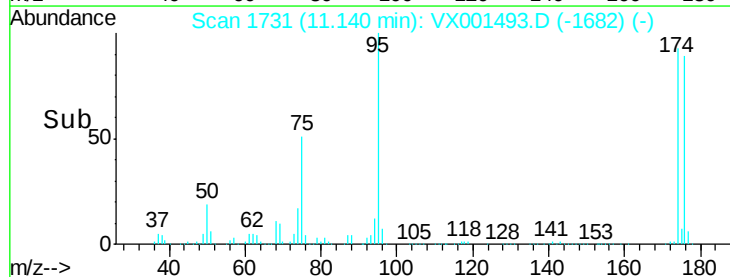
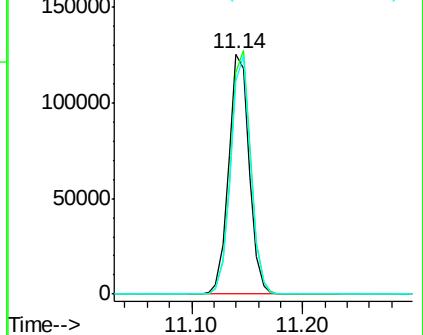
176 96.8 0.0 197.4

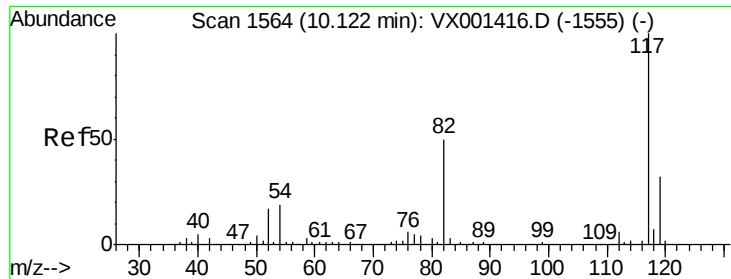


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

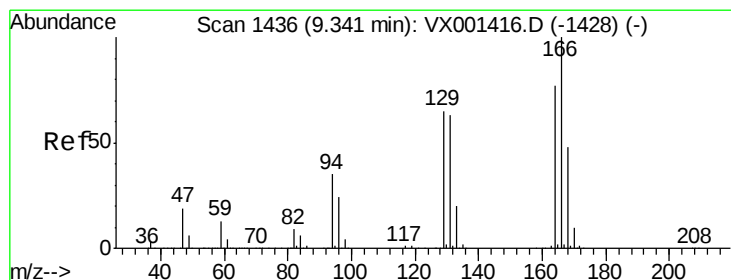
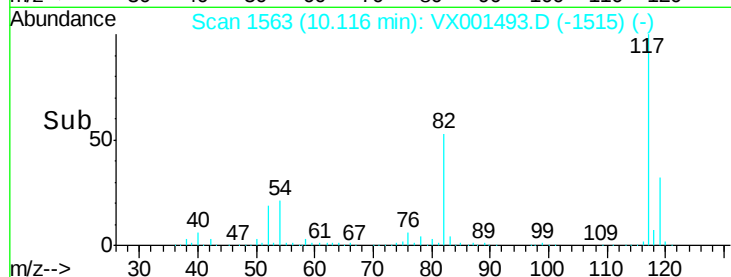
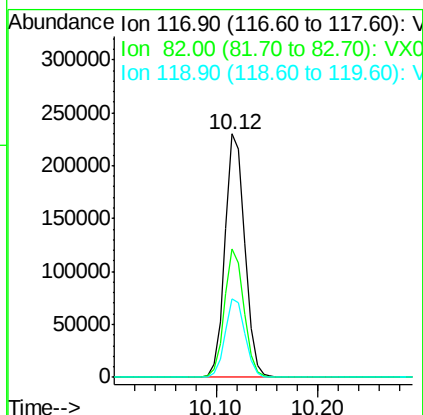
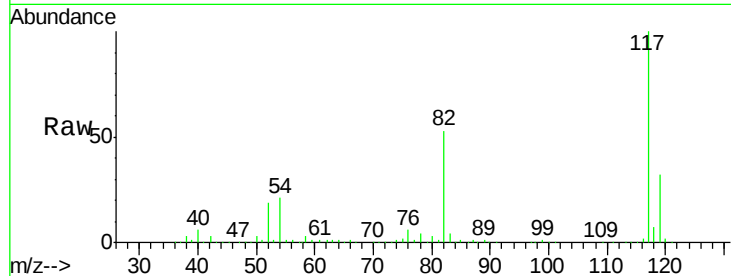




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.01 min
Lab File: VX001493.D
Acq: 08 May 2018 04:13

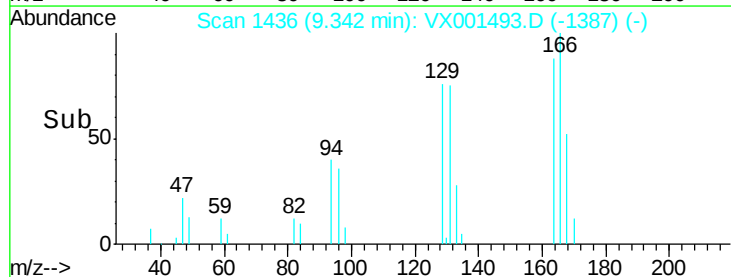
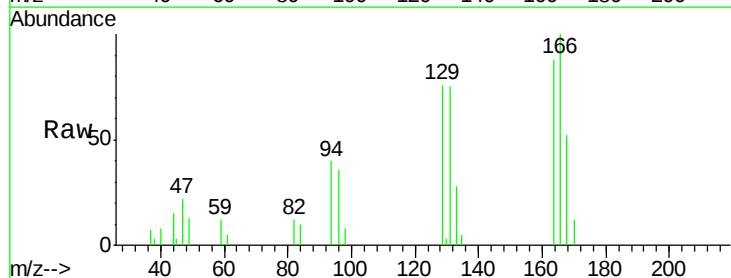
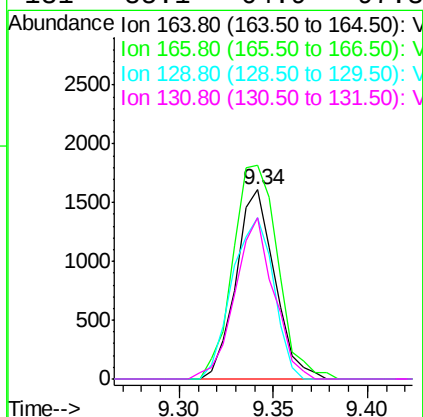
Instrument :
MSVOA_X
ClientSampleId :
JCSA-301

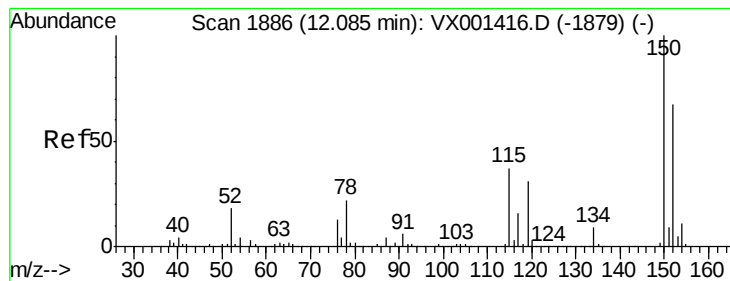
Tgt Ion:117 Resp: 309509
Ion Ratio Lower Upper
117 100
82 52.7 40.0 60.0
119 32.1 25.8 38.8



#64
Tetrachloroethene
Concen: 0.53 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. 0.00 min
Lab File: VX001493.D
Acq: 08 May 2018 04:13

Tgt Ion:164 Resp: 2300
Ion Ratio Lower Upper
164 100
166 113.1 103.5 155.3
129 85.5 66.7 100.1
131 85.1 64.9 97.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX001493.D

Acq: 08 May 2018 04:13

Instrument :

MSVOA_X

ClientSampleId :

JCSA-301

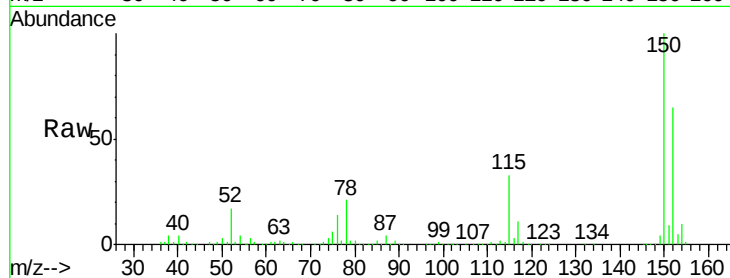
Tgt Ion:152 Resp: 170740

Ion Ratio Lower Upper

152 100

115 53.0 37.7 113.1

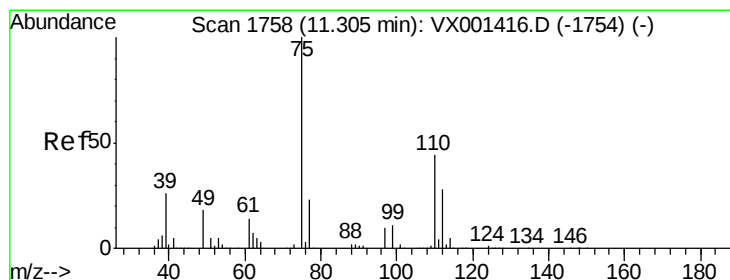
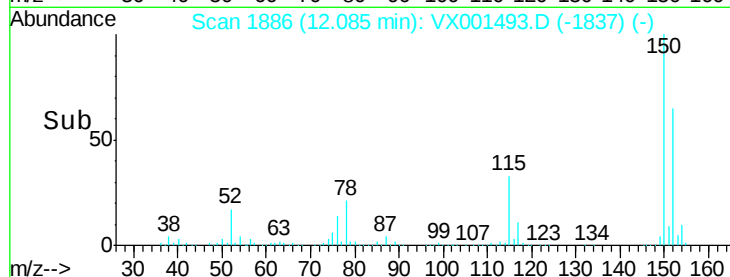
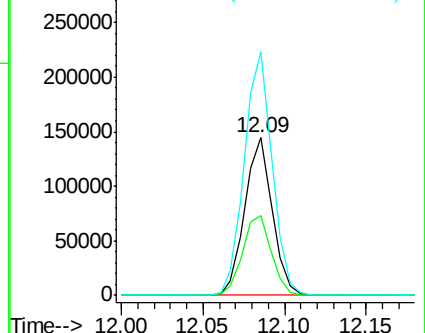
150 156.7 0.0 349.4



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: 22.90 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX001493.D

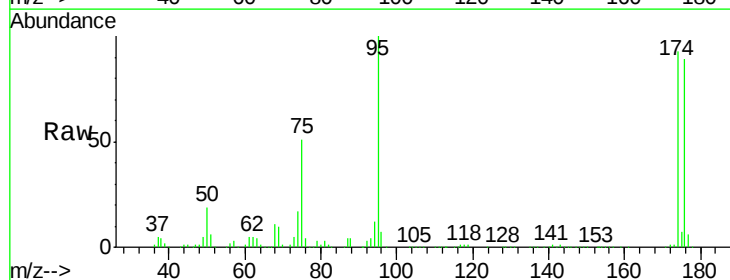
Acq: 08 May 2018 04:13

Tgt Ion: 75 Resp: 79292

Ion Ratio Lower Upper

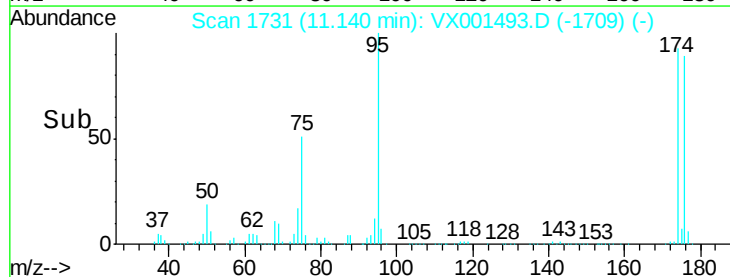
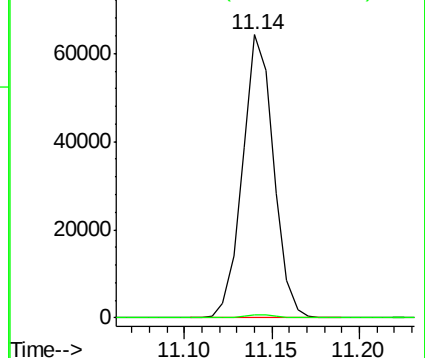
75 100

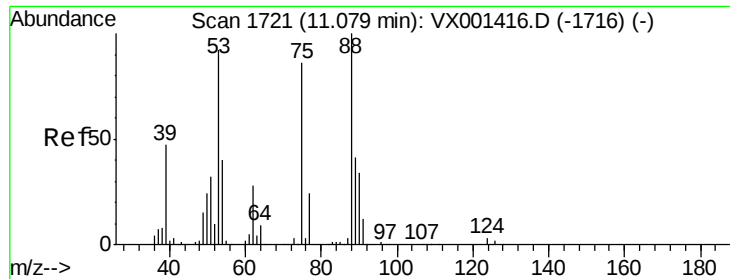
77 1.2 19.6 58.7#



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: 71.03 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX001493.D

Acq: 08 May 2018 04:13

Instrument :

MSVOA_X

ClientSampleId :

JCSA-301

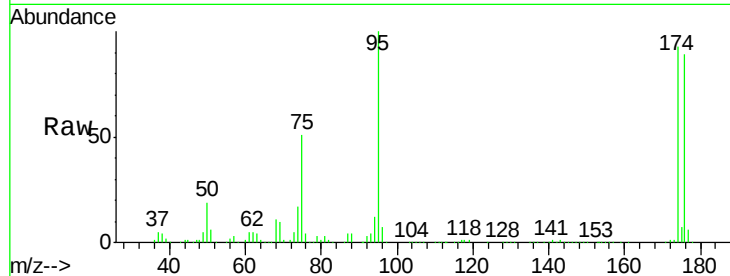
Tgt Ion: 75 Resp: 79292

Ion Ratio Lower Upper

75 100

53 0.0 84.5 126.7#

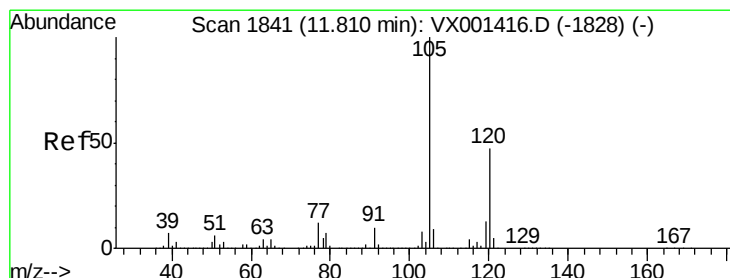
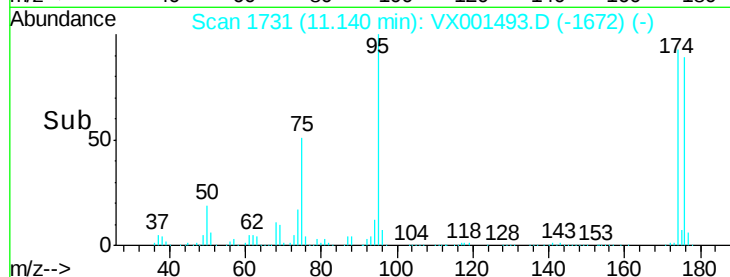
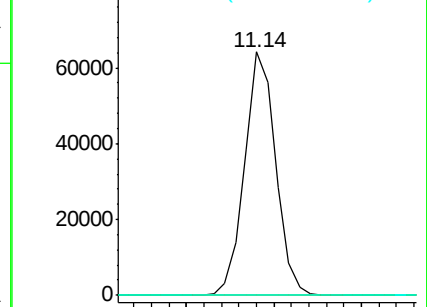
89 0.1 39.5 59.3#



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



#84

1,2,4-Trimethylbenzene

Concen: 0.30 ug/l

RT: 11.81 min Scan# 1841

Delta R.T. 0.00 min

Lab File: VX001493.D

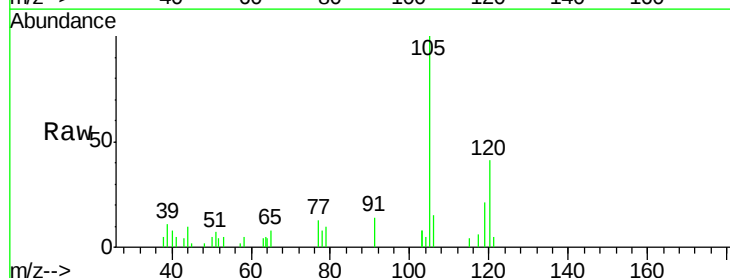
Acq: 08 May 2018 04:13

Tgt Ion: 105 Resp: 3007

Ion Ratio Lower Upper

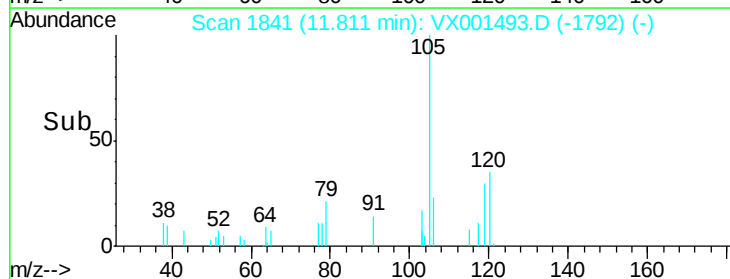
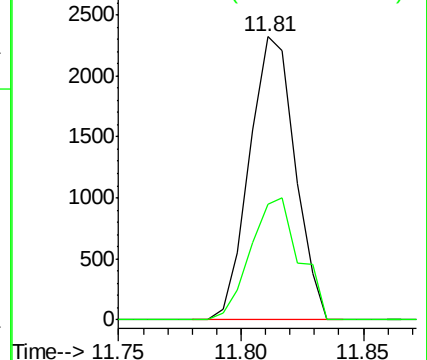
105 100

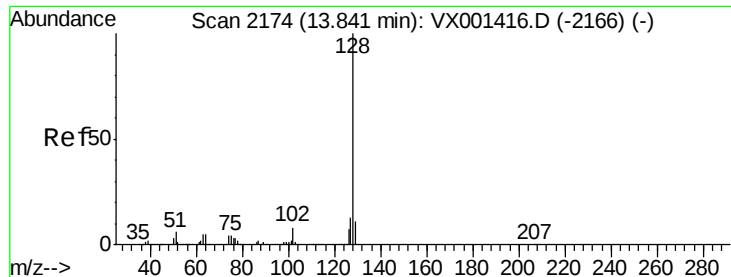
120 46.3 23.4 70.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#95

Naphthalene

Concen: 14.87 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. 0.00 min

Lab File: VX001493.D

Acq: 08 May 2018 04:13

Instrument :

MSVOA_X

ClientSampleId :

JCSA-301

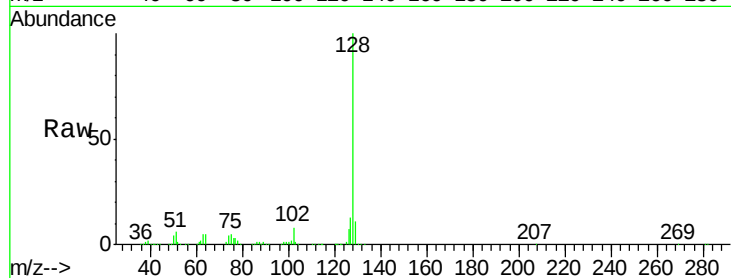
Tgt Ion:128 Resp: 188116

Ion Ratio Lower Upper

128 100

127 13.1 10.4 15.6

129 10.9 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

