

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX050818\
 Data File : VX001519.D
 Acq On : 08 May 2018 17:33
 Operator : JC/MD
 Sample : J2644-12
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP-0451-180425

Quant Time: May 09 06:46:20 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	231698	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	319047	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	279075	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	152184	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	195507	58.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	117.42%	
35) Dibromofluoromethane	5.51	113	153065	53.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.88%	
50) Toluene-d8	8.72	98	545009	52.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.22%	
62) 4-Bromofluorobenzene	11.15	95	180299	45.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.68%	

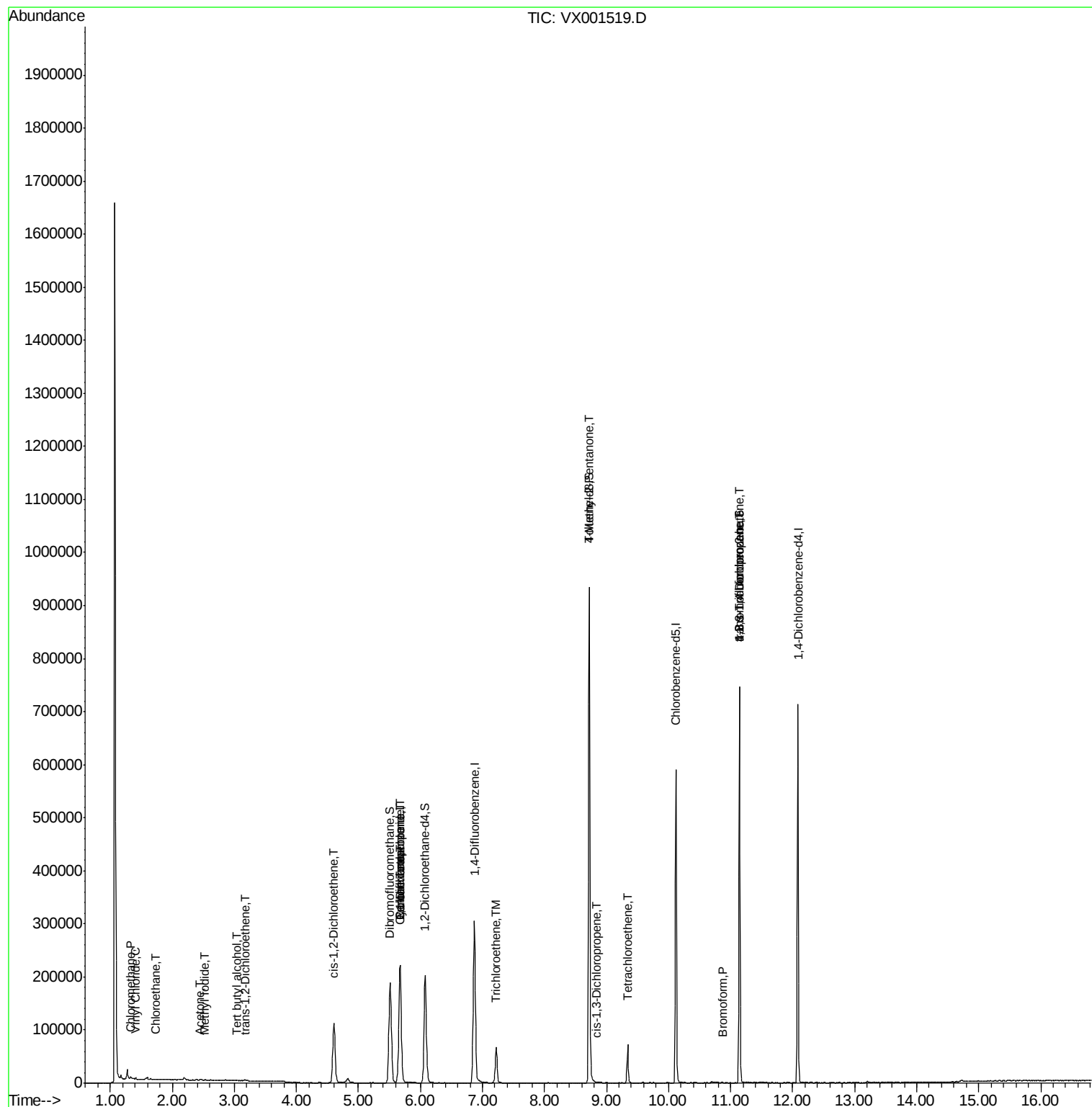
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	1831	0.60	ug/l	89
4) Vinyl Chloride	1.40	62	1364	0.43	ug/l	93
5) Bromomethane	1.65	94	963	Below Cal	#	72
6) Chloroethane	1.73	64	995	0.47	ug/l	82
10) Methyl Iodide	2.51	142	1173	0.29	ug/l	94
11) Tert butyl alcohol	3.03	59	628	0.89	ug/l	72
13) Acrolein	2.29	56	62	Below Cal	#	1
16) Acetone	2.45	43	643	0.43	ug/l	61
21) trans-1,2-Dichloroethene	3.16	96	1011	0.35	ug/l	64
27) cis-1,2-Dichloroethene	4.60	96	72242	23.71	ug/l	87
31) Cyclohexane	5.66	56	4227	0.99	ug/l	31
36) 1,1-Dichloropropene	5.67	75	14864	3.66	ug/l	49
38) Carbon Tetrachloride	5.67	117	20286	4.69	ug/l	18
44) Trichloroethene	7.22	130	26595	7.34	ug/l	97
51) 4-Methyl-2-Pentanone	8.72	43	2798	0.62	ug/l	1
54) cis-1,3-Dichloropropene	8.84	75	19	2.27	ug/l	20
64) Tetrachloroethene	9.34	164	15774	4.06	ug/l	98
71) Bromoform	10.87	173	706	3.80	ug/l	97
76) 1,2,3-Trichloropropane	11.14	75	90489	29.32	ug/l	38
81) trans-1,4-Dichloro-2-buten	11.14	75	90489	89.75	ug/l	7

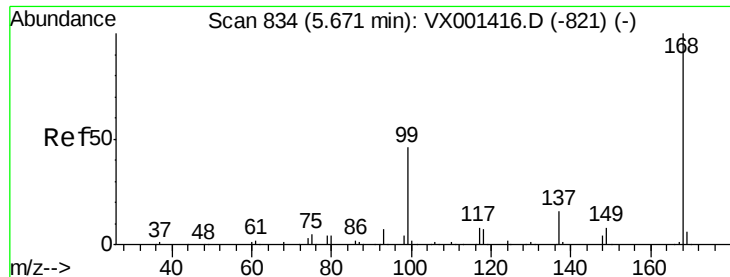
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX001519.D

Acq: 08 May 2018 17:33

Instrument :

MSVOA_X

ClientSampleId :

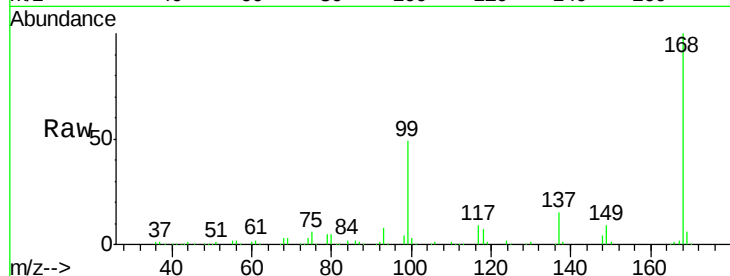
DUP-0451-180425

Tgt Ion:168 Resp: 231698

Ion Ratio Lower Upper

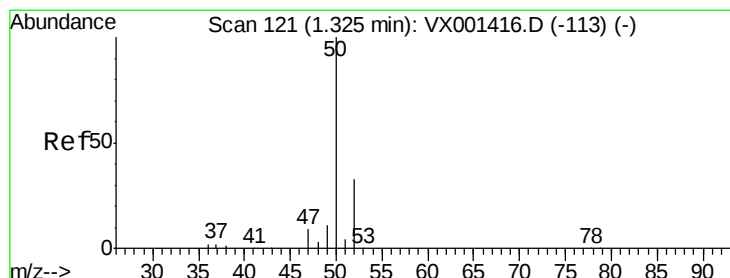
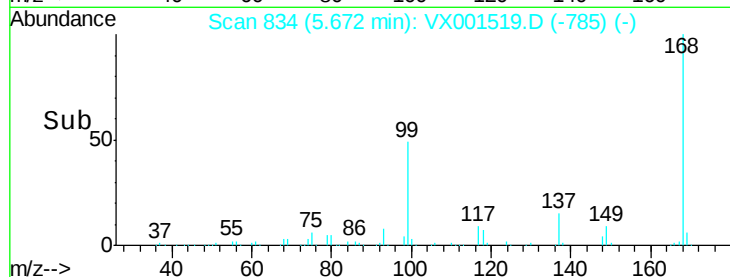
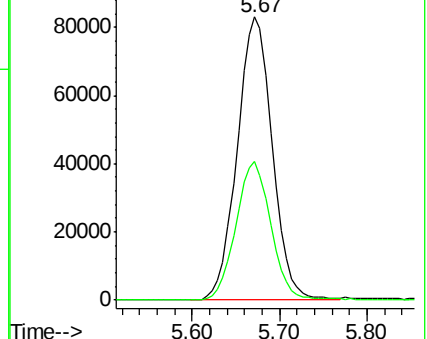
168 100

99 48.8 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: 0.60 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX001519.D

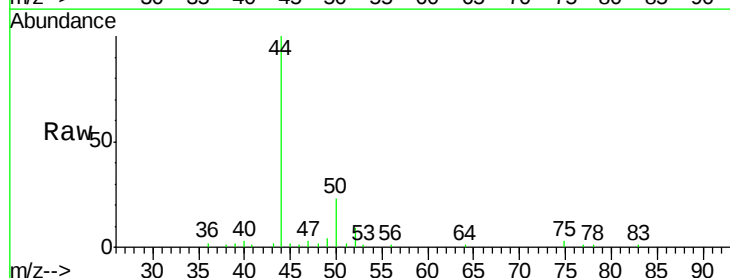
Acq: 08 May 2018 17:33

Tgt Ion: 50 Resp: 1831

Ion Ratio Lower Upper

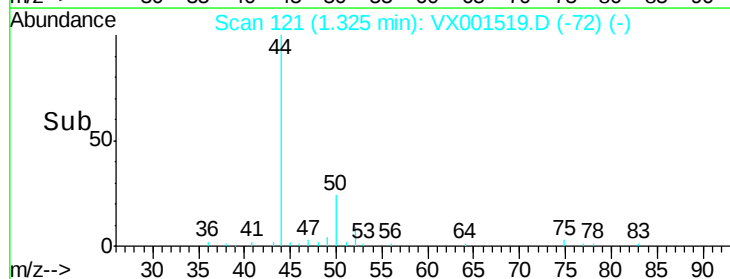
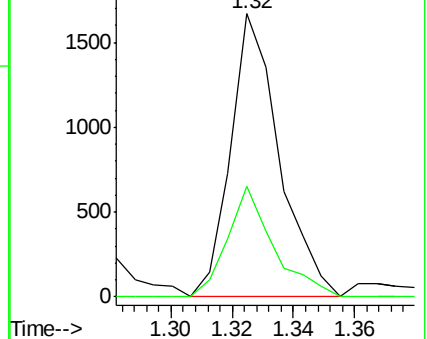
50 100

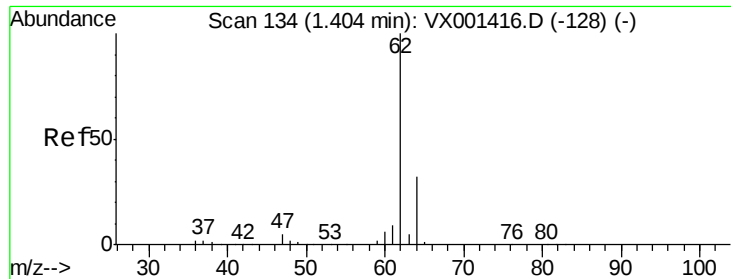
52 39.1 26.2 39.4



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#4

Vinyl Chloride

Concen: 0.43 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX001519.D

Acq: 08 May 2018 17:33

Instrument :

MSVOA_X

ClientSampleId :

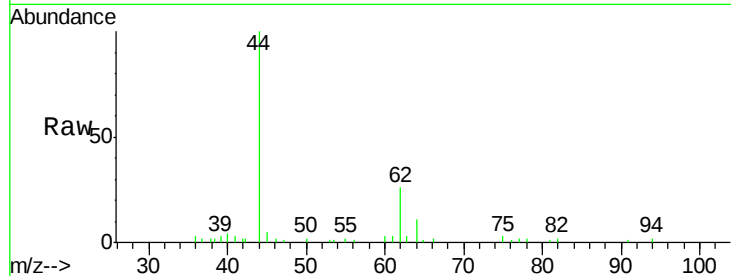
DUP-0451-180425

Tgt Ion: 62 Resp: 1364

Ion Ratio Lower Upper

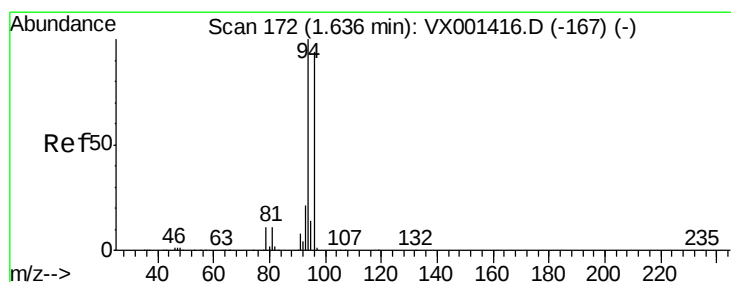
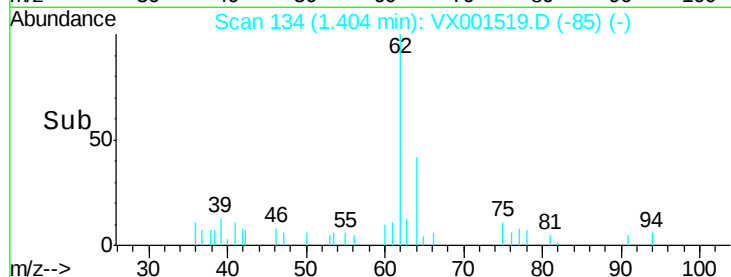
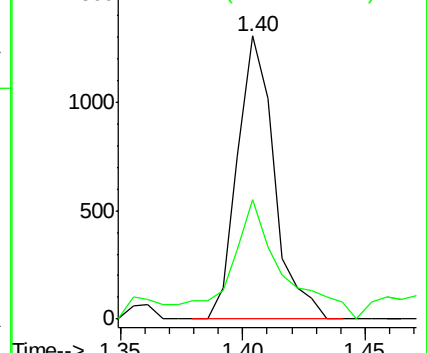
62 100

64 35.8 25.8 38.6



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 175

Delta R.T. 0.02 min

Lab File: VX001519.D

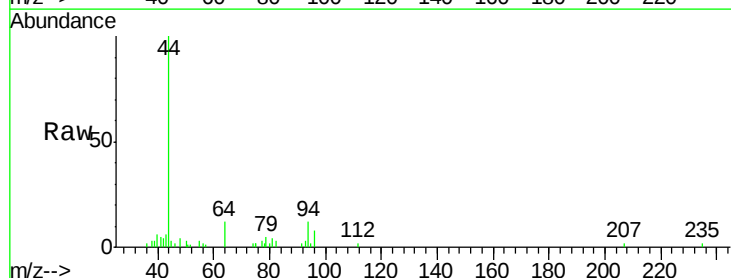
Acq: 08 May 2018 17:33

Tgt Ion: 94 Resp: 963

Ion Ratio Lower Upper

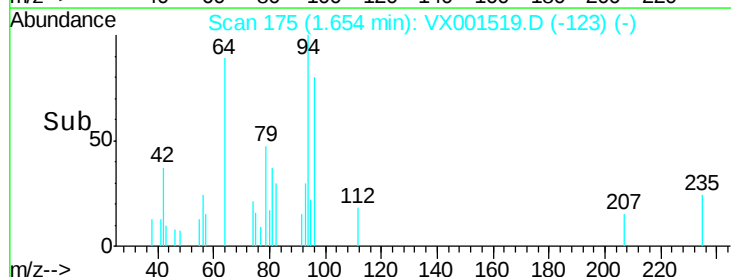
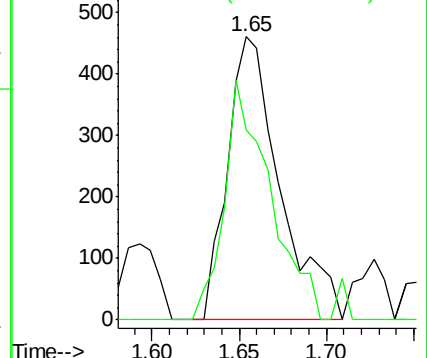
94 100

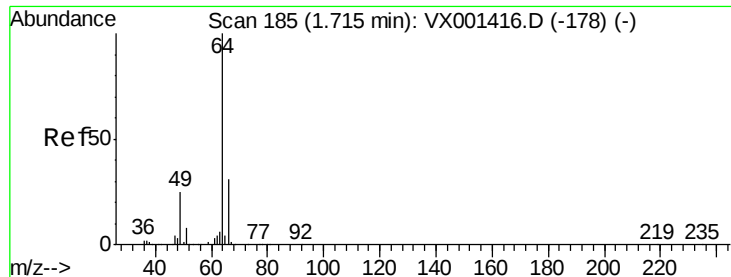
96 67.0 75.0 112.6#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#6

Chloroethane

Concen: 0.47 ug/l

RT: 1.73 min Scan# 188

Delta R.T. 0.02 min

Lab File: VX001519.D

Acq: 08 May 2018 17:33

Instrument :

MSVOA_X

ClientSampleId :

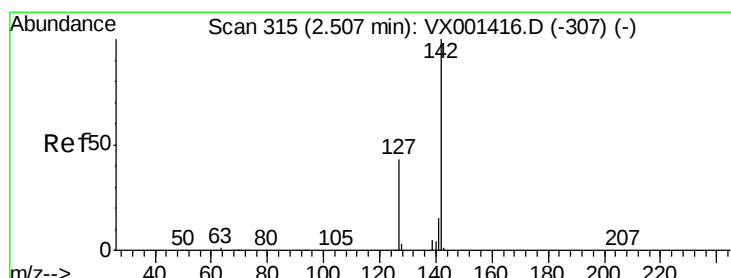
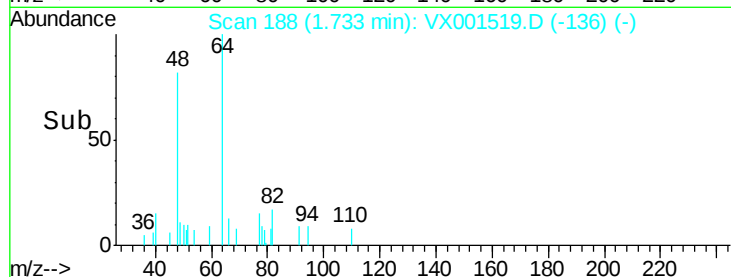
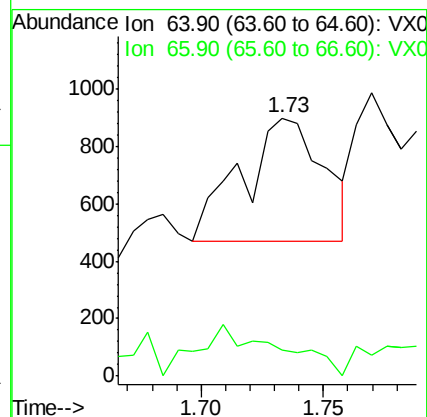
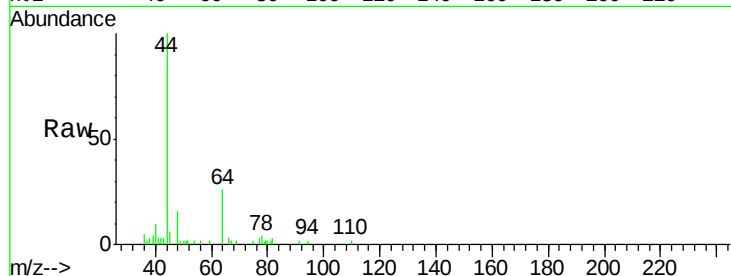
DUP-0451-180425

Tgt Ion: 64 Resp: 995

Ion Ratio Lower Upper

64 100

66 21.3 25.1 37.7#



#10

Methyl Iodide

Concen: 0.29 ug/l

RT: 2.51 min Scan# 316

Delta R.T. 0.01 min

Lab File: VX001519.D

Acq: 08 May 2018 17:33

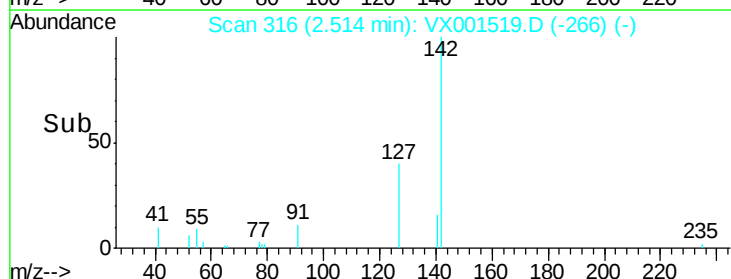
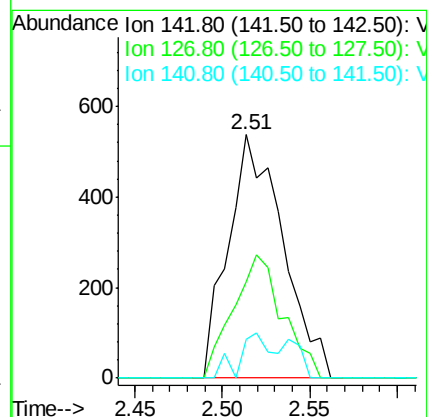
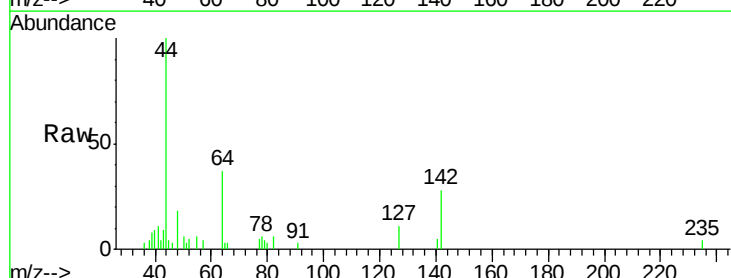
Tgt Ion: 142 Resp: 1173

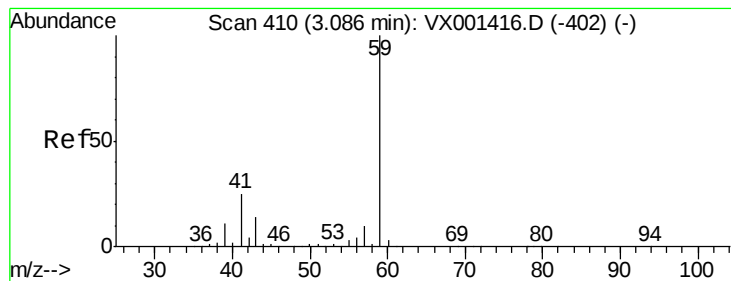
Ion Ratio Lower Upper

142 100

127 45.7 33.6 50.4

141 11.1 11.4 17.2#



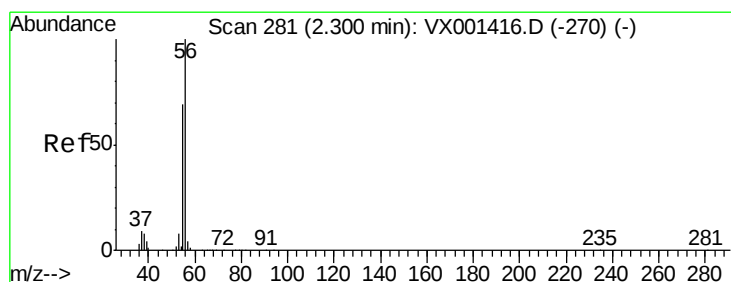
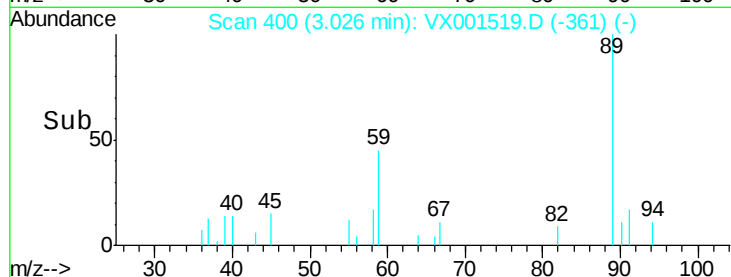
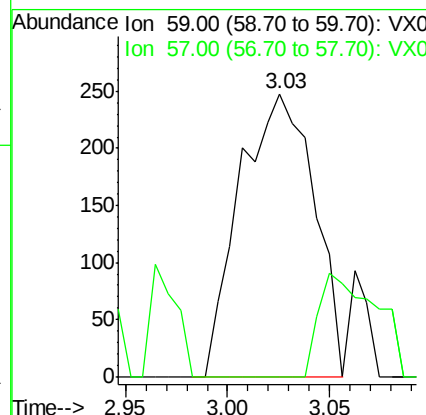
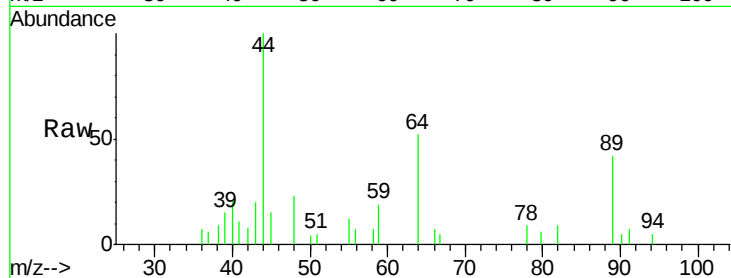


#11

Tert butyl alcohol
 Concen: 0.89 ug/l
 RT: 3.03 min Scan# 400
 Delta R.T. -0.06 min
 Lab File: VX001519.D
 Acq: 08 May 2018 17:33

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP-0451-180425

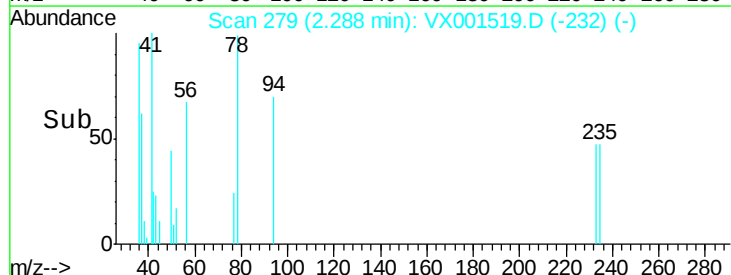
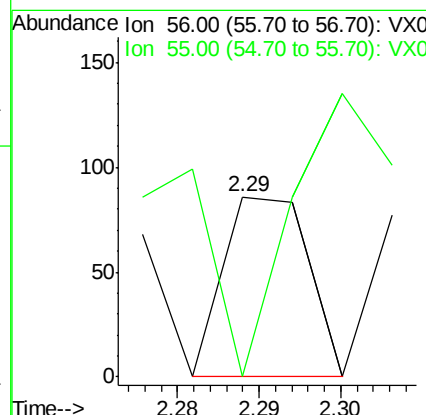
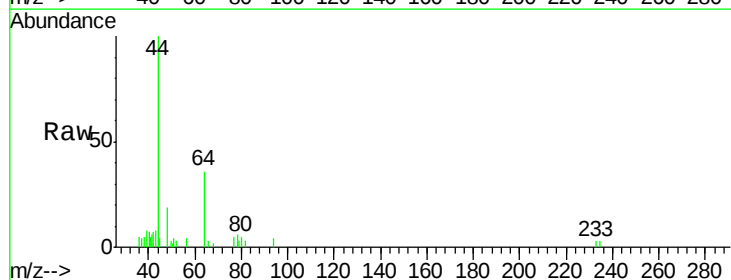
Tgt Ion: 59 Resp: 628
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.2 12.4#

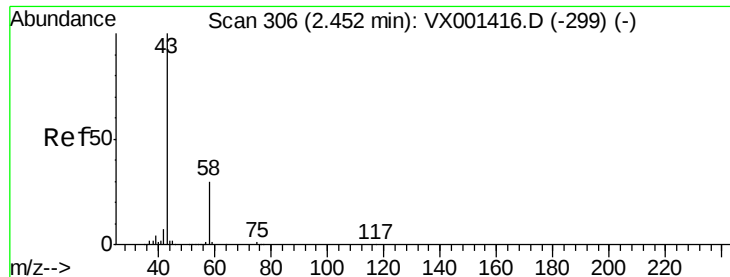


#13

Acrolein
 Concen: Below Cal
 RT: 2.29 min Scan# 279
 Delta R.T. -0.01 min
 Lab File: VX001519.D
 Acq: 08 May 2018 17:33

Tgt Ion: 56 Resp: 62
 Ion Ratio Lower Upper
 56 100
 55 246.8 54.5 81.7#





#16

Acetone

Concen: 0.43 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.01 min

Lab File: VX001519.D

Acq: 08 May 2018 17:33

Instrument :

MSVOA_X

ClientSampleId :

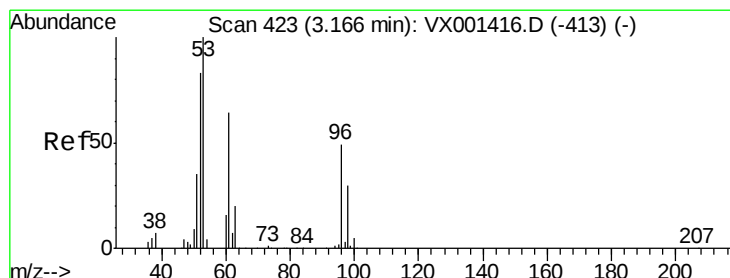
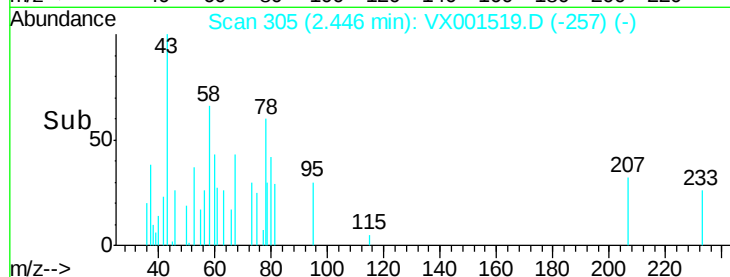
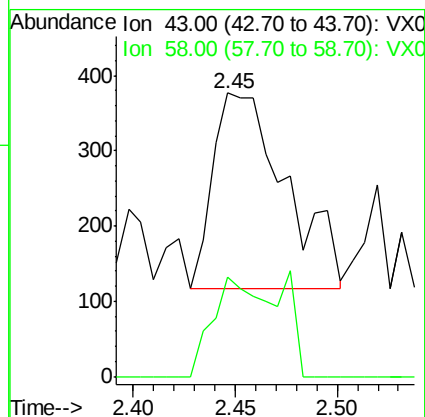
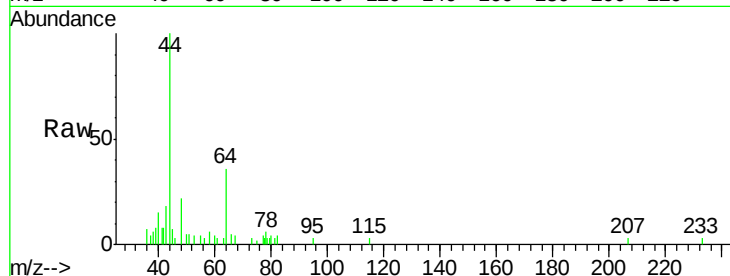
DUP-0451-180425

Tgt Ion: 43 Resp: 643

Ion Ratio Lower Upper

43 100

58 50.8 23.8 35.8#



#21

trans-1,2-Dichloroethene

Concen: 0.35 ug/l

RT: 3.16 min Scan# 422

Delta R.T. -0.01 min

Lab File: VX001519.D

Acq: 08 May 2018 17:33

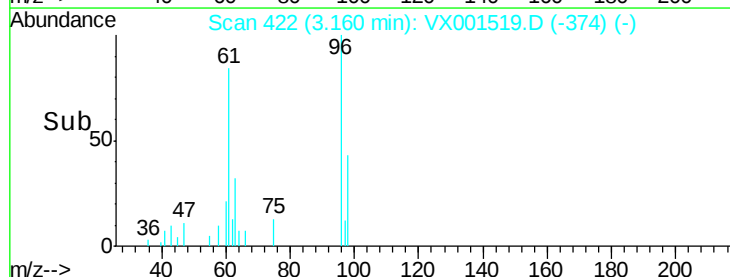
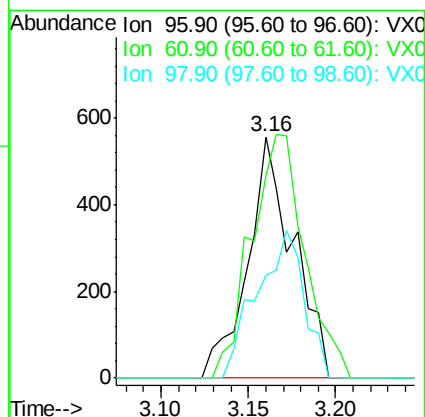
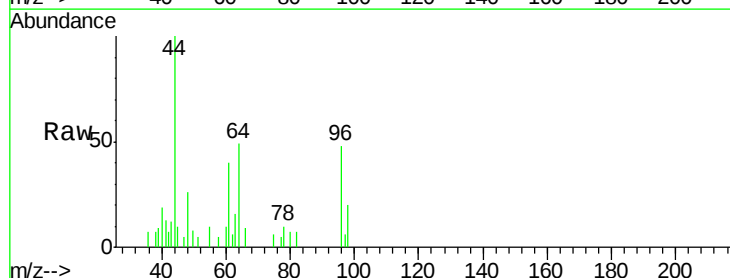
Tgt Ion: 96 Resp: 1011

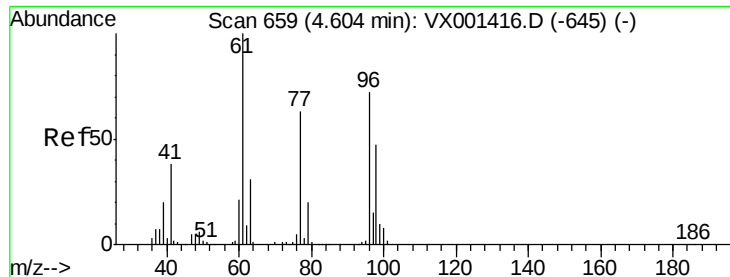
Ion Ratio Lower Upper

96 100

61 84.1 105.0 157.4#

98 42.7 49.9 74.9#





#27

cis-1,2-Dichloroethene

Concen: 23.71 ug/l

RT: 4.60 min Scan# 659

Delta R.T. 0.00 min

Lab File: VX001519.D

Acq: 08 May 2018 17:33

Instrument :

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DUP-0451-180425

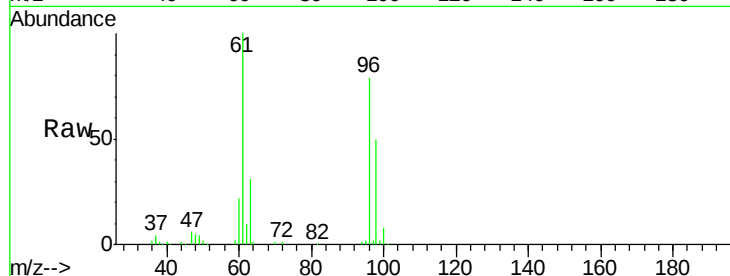
Tgt Ion: 96 Resp: 72242

Ion Ratio Lower Upper

96 100

61 129.0 0.0 301.6

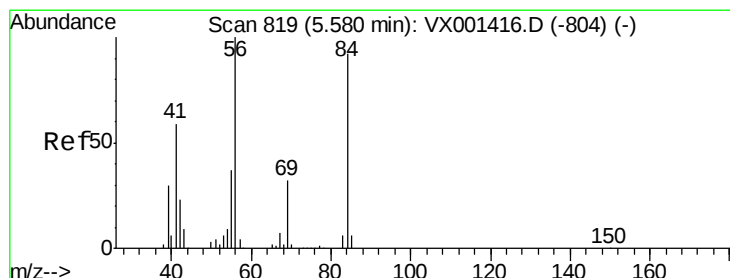
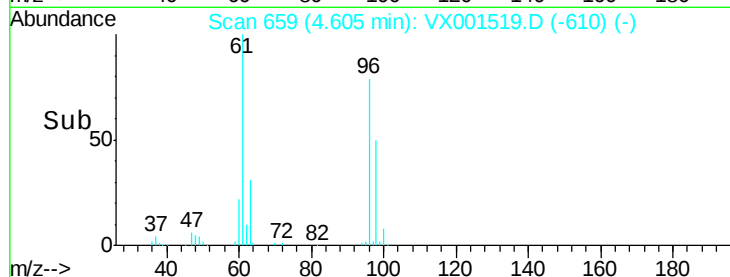
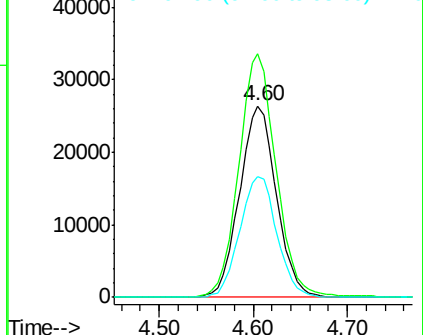
98 63.5 0.0 131.6



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



#31

Cyclohexane

Concen: 0.99 ug/l

RT: 5.66 min Scan# 832

Delta R.T. 0.08 min

Lab File: VX001519.D

Acq: 08 May 2018 17:33

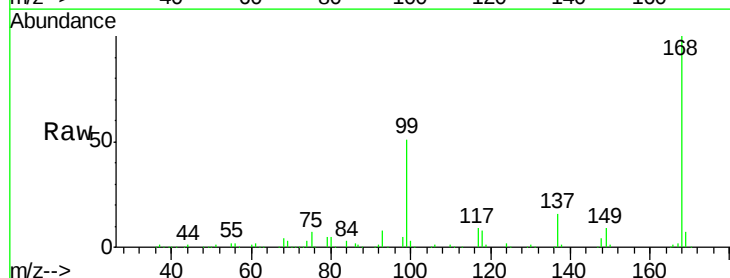
Tgt Ion: 56 Resp: 4227

Ion Ratio Lower Upper

56 100

69 139.4 25.4 38.0#

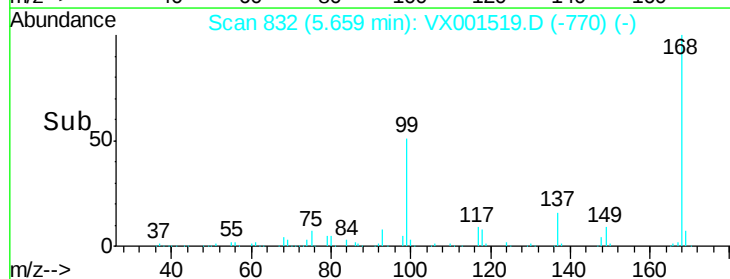
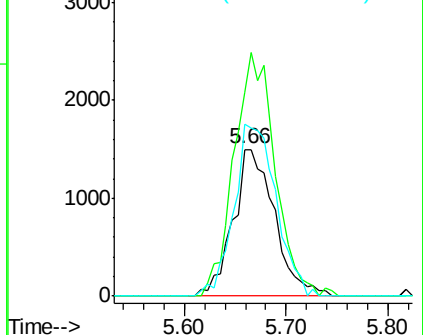
84 117.0 73.8 110.8#

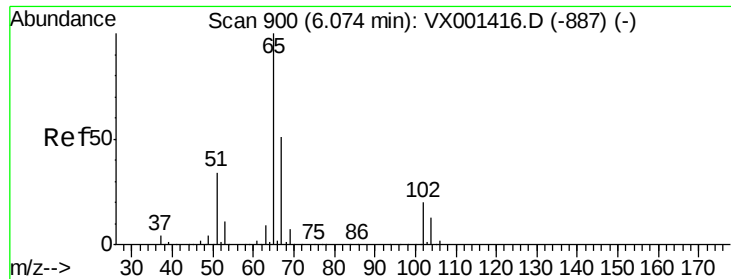


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 58.71 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.00 min

Lab File: VX001519.D

Acq: 08 May 2018 17:33

Instrument :

MSVOA_X

ClientSampleId :

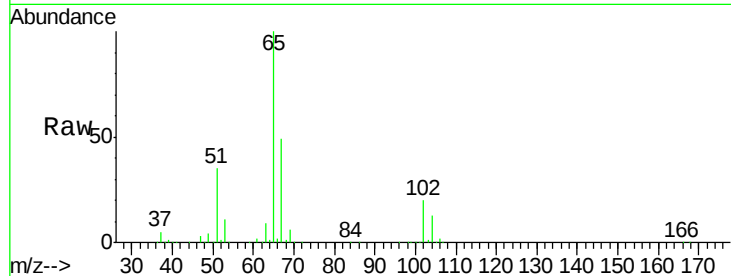
DUP-0451-180425

Tgt Ion: 65 Resp: 195507

Ion Ratio Lower Upper

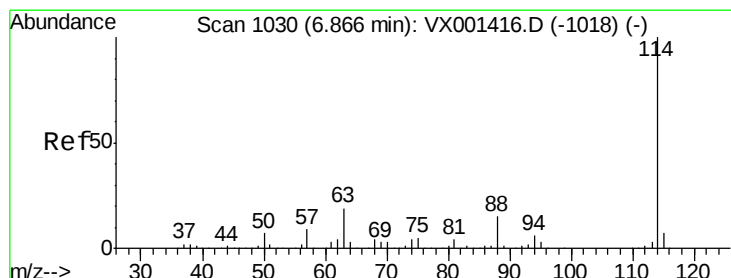
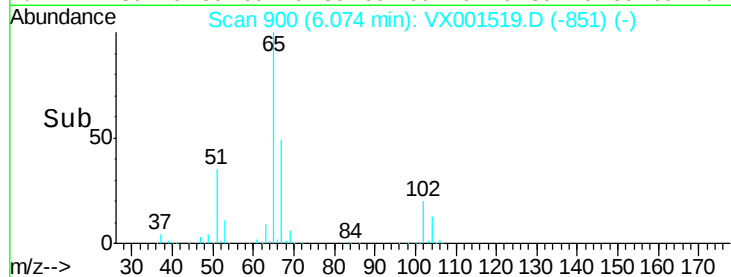
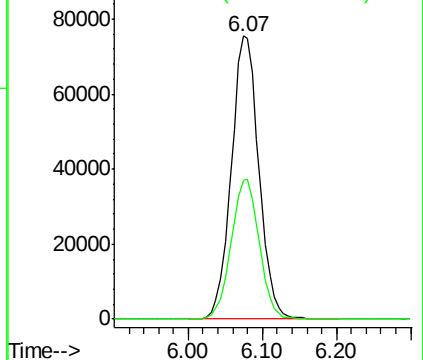
65 100

67 50.2 0.0 101.8



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# 1030

Delta R.T. 0.00 min

Lab File: VX001519.D

Acq: 08 May 2018 17:33

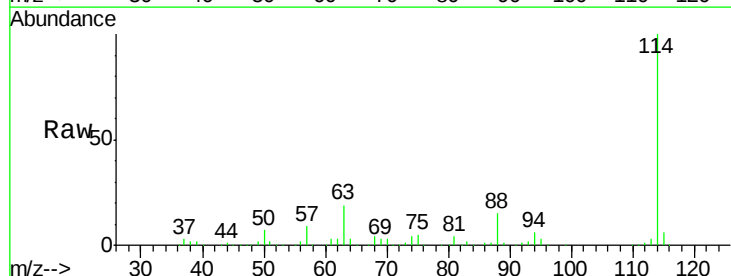
Tgt Ion: 114 Resp: 319047

Ion Ratio Lower Upper

114 100

63 19.2 0.0 38.6

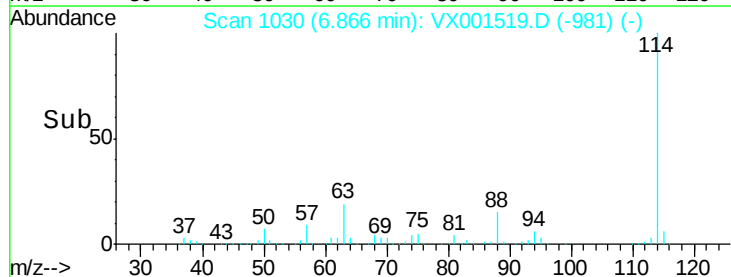
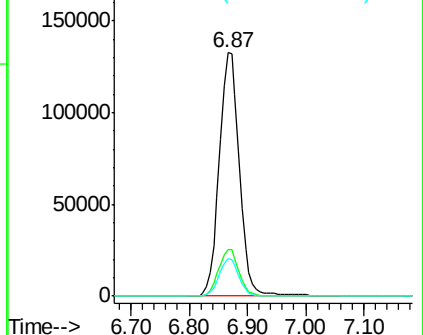
88 15.4 0.0 30.8

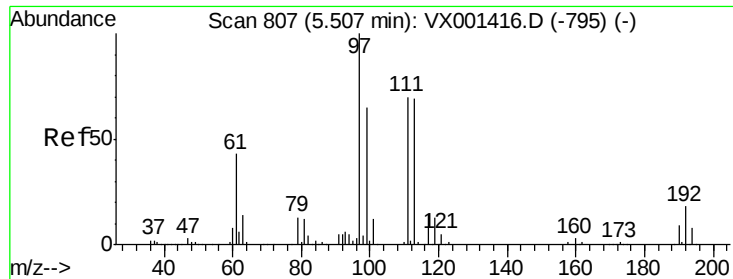


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 53.94 ug/l

RT: 5.51 min Scan# 808

Delta R.T. 0.01 min

Lab File: VX001519.D

Acq: 08 May 2018 17:33

Instrument :

MSVOA_X

ClientSampleId :

DUP-0451-180425

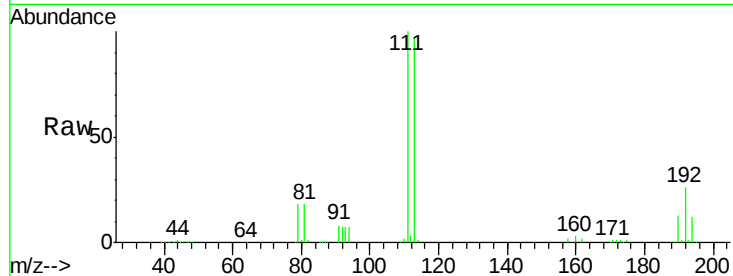
Tgt Ion:113 Resp: 153065

Ion Ratio Lower Upper

113 100

111 103.1 82.2 123.2

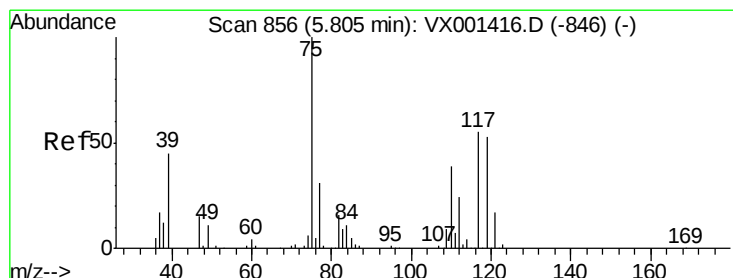
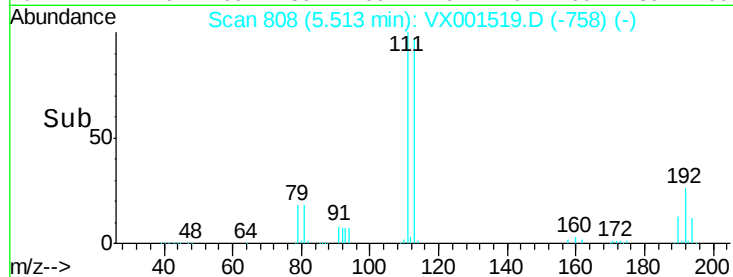
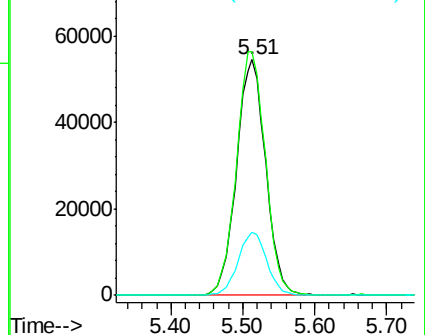
192 26.6 21.4 32.0



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: 3.66 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.13 min

Lab File: VX001519.D

Acq: 08 May 2018 17:33

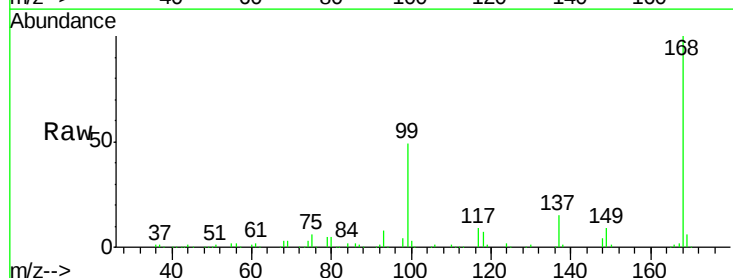
Tgt Ion: 75 Resp: 14864

Ion Ratio Lower Upper

75 100

110 10.4 18.9 56.7#

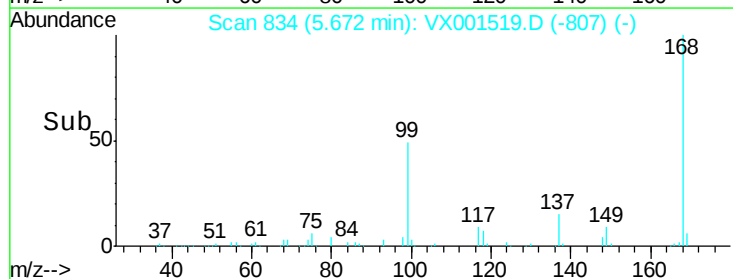
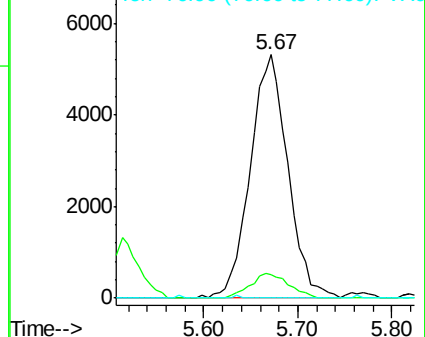
77 0.0 24.9 37.3#

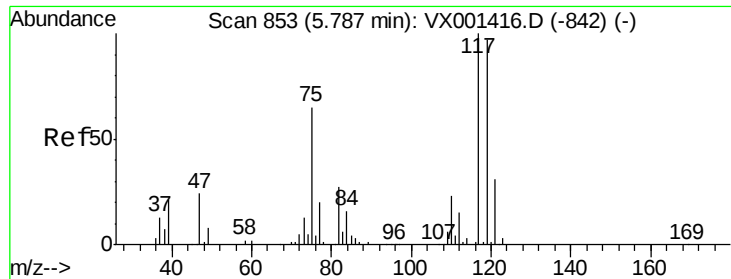


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 4.69 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.12 min

Lab File: VX001519.D

Acq: 08 May 2018 17:33

Instrument :

MSVOA_X

ClientSampleId :

DUP-0451-180425

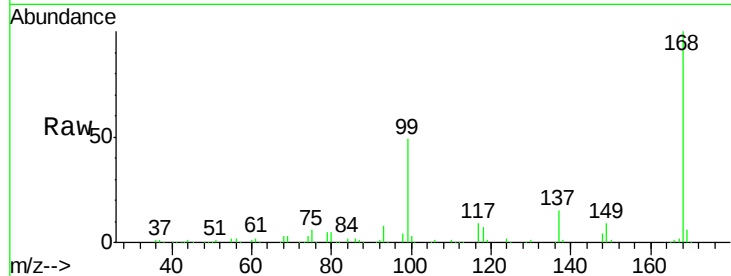
Tgt Ion:117 Resp: 20286

Ion Ratio Lower Upper

117 100

119 7.8 77.0 115.6#

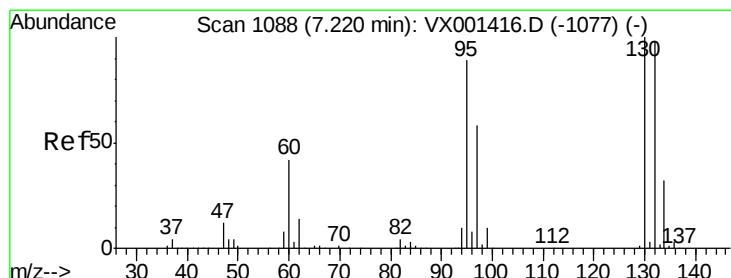
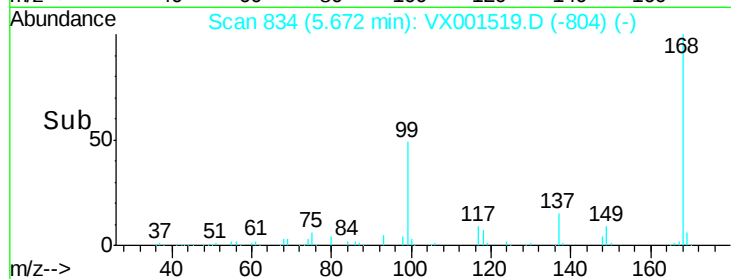
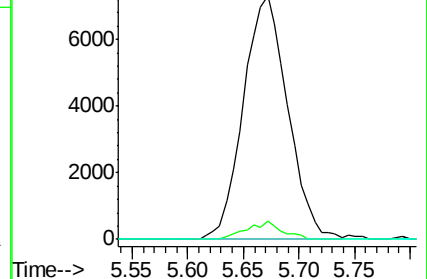
121 0.0 25.1 37.7#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#44

Trichloroethene

Concen: 7.34 ug/l

RT: 7.22 min Scan# 1088

Delta R.T. 0.00 min

Lab File: VX001519.D

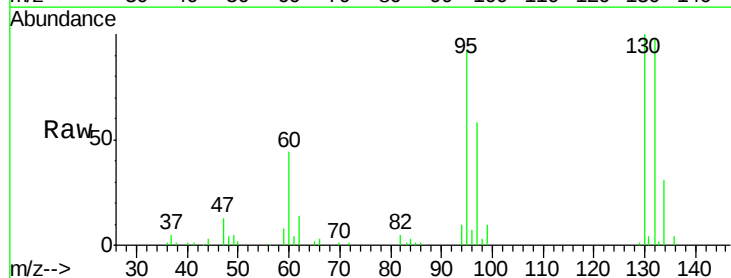
Acq: 08 May 2018 17:33

Tgt Ion:130 Resp: 26595

Ion Ratio Lower Upper

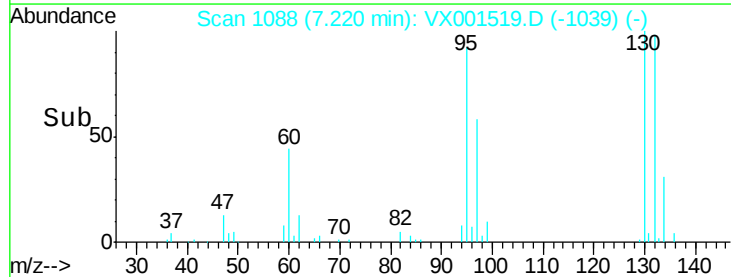
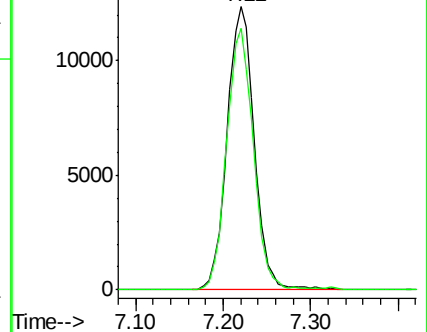
130 100

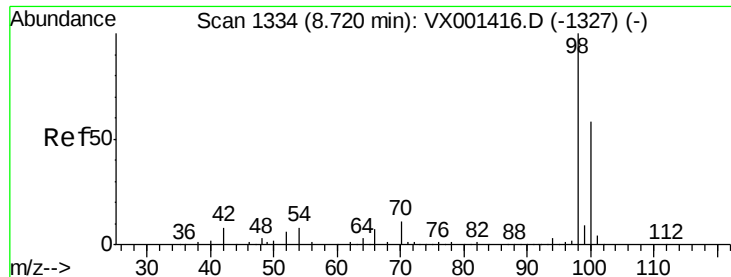
95 92.3 0.0 178.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): V

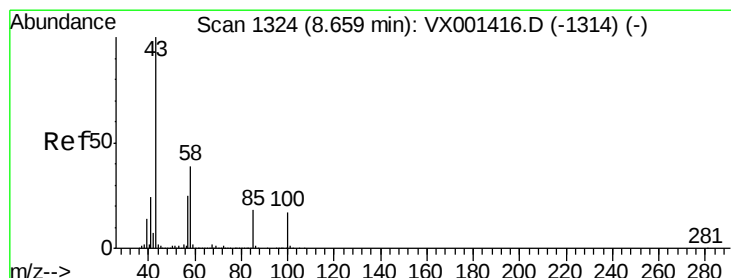
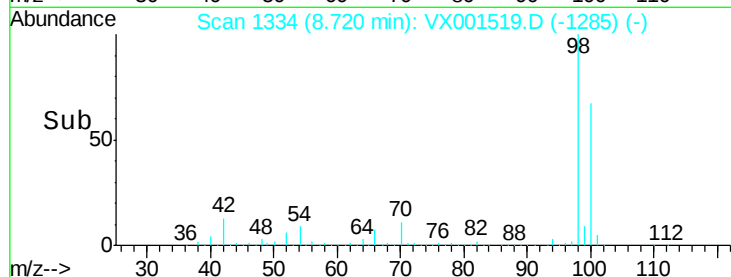
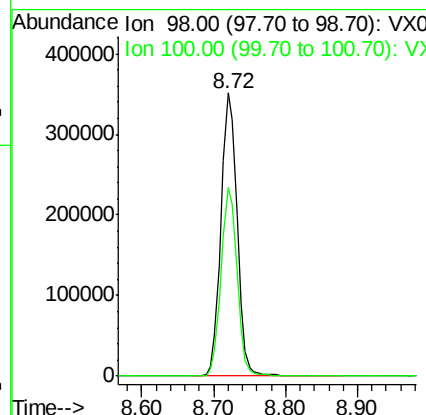
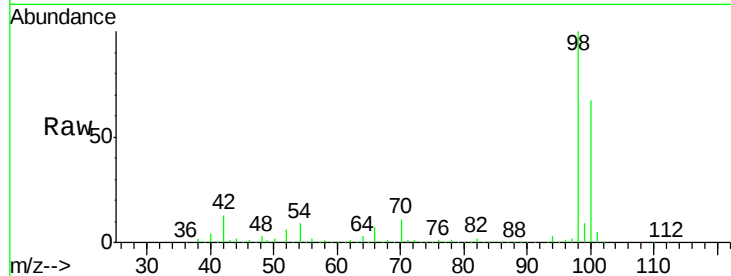




#50
Toluene-d8
Concen: 52.61 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX001519.D
Acq: 08 May 2018 17:33

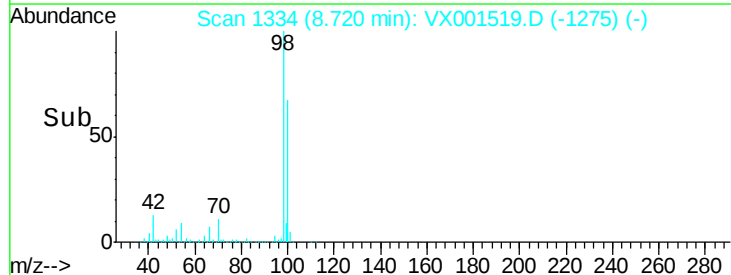
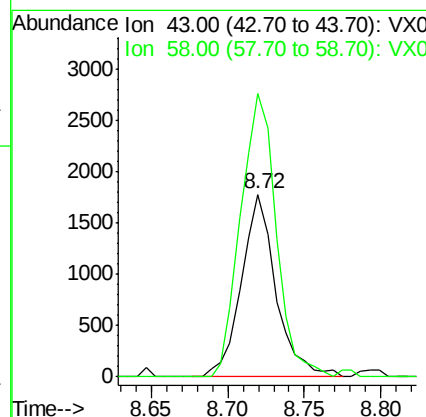
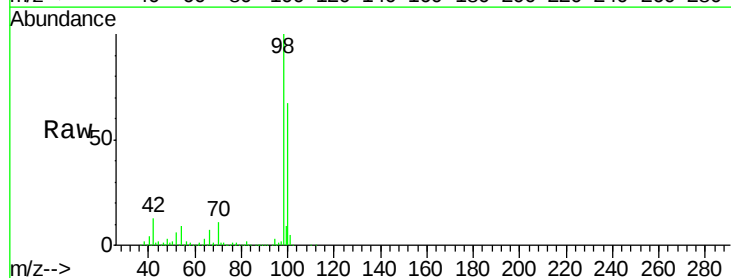
Instrument :
MSVOA_X
ClientSampleId :
DUP-0451-180425

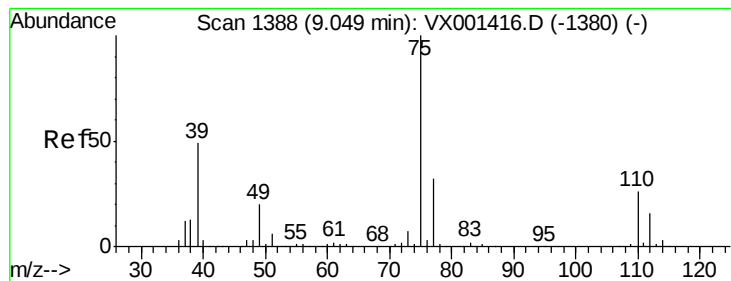
Tgt Ion: 98 Resp: 545009
Ion Ratio Lower Upper
98 100
100 66.1 54.0 81.0



#51
4-Methyl-2-Pentanone
Concen: 0.62 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.06 min
Lab File: VX001519.D
Acq: 08 May 2018 17:33

Tgt Ion: 43 Resp: 2798
Ion Ratio Lower Upper
43 100
58 159.5 30.8 46.2#





#54

cis-1,3-Dichloropropene

Concen: 2.27 ug/l

RT: 8.84 min Scan# 1354

Delta R.T. -0.21 min

Lab File: VX001519.D

Acq: 08 May 2018 17:33

Instrument :

MSVOA_X

ClientSampleId :

DUP-0451-180425

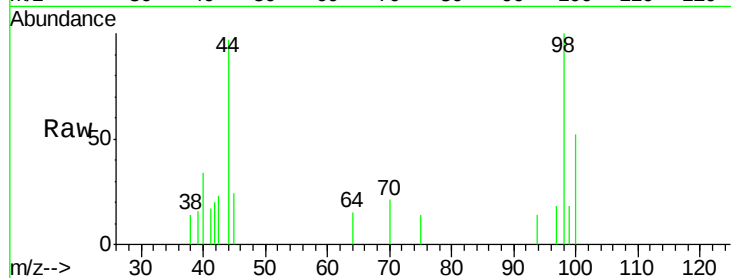
Tgt Ion: 75 Resp: 19

Ion Ratio Lower Upper

75 100

77 0.0 25.5 38.3#

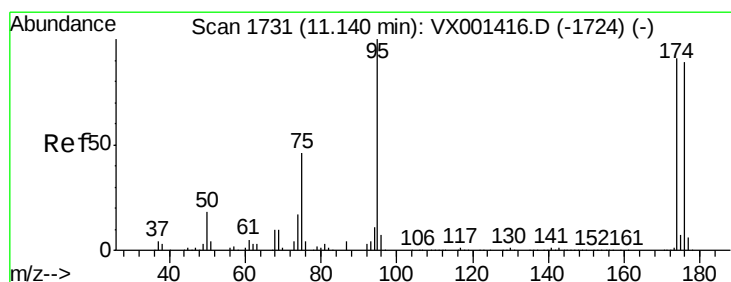
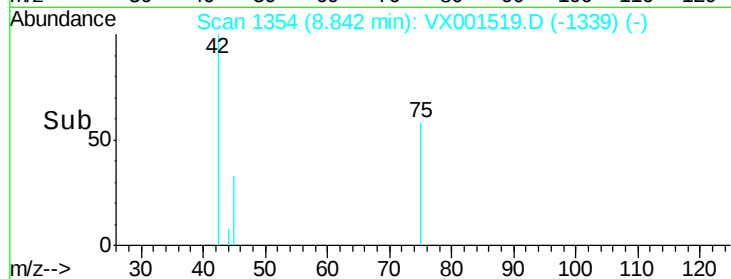
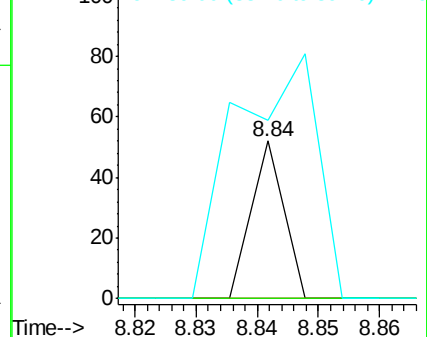
39 113.5 38.9 58.3#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0



#62

4-Bromofluorobenzene

Concen: 45.34 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.01 min

Lab File: VX001519.D

Acq: 08 May 2018 17:33

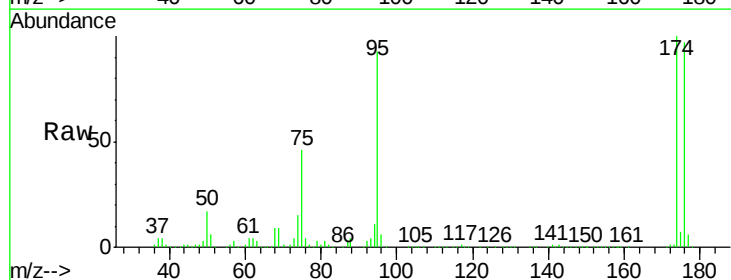
Tgt Ion: 95 Resp: 180299

Ion Ratio Lower Upper

95 100

174 100.3 0.0 202.0

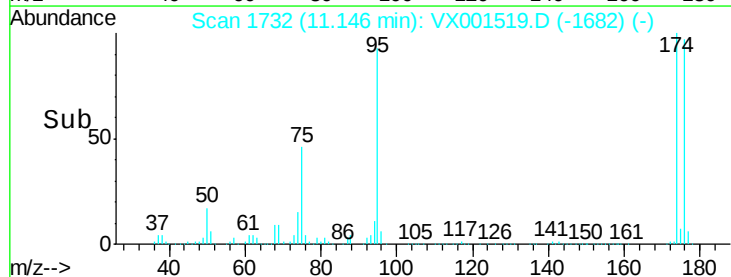
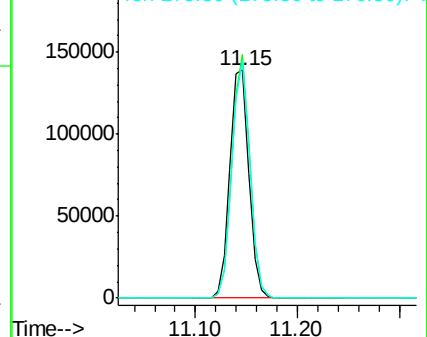
176 97.5 0.0 197.4

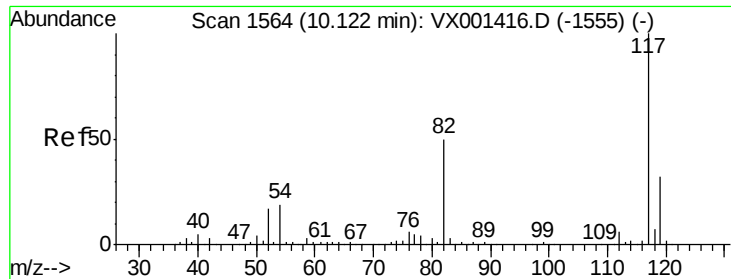


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

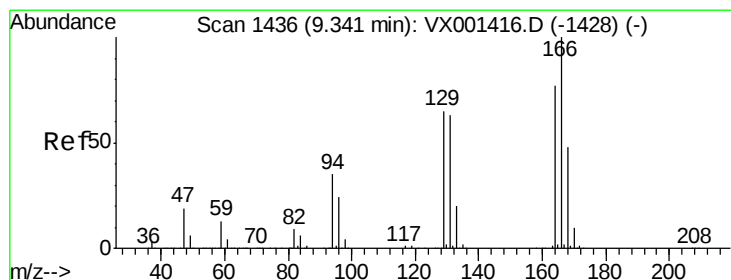
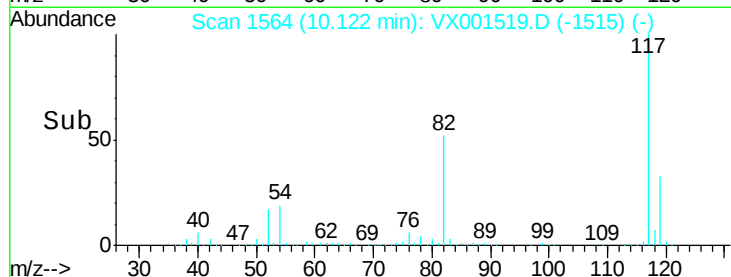
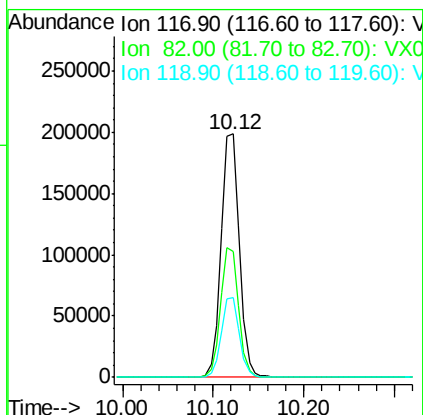
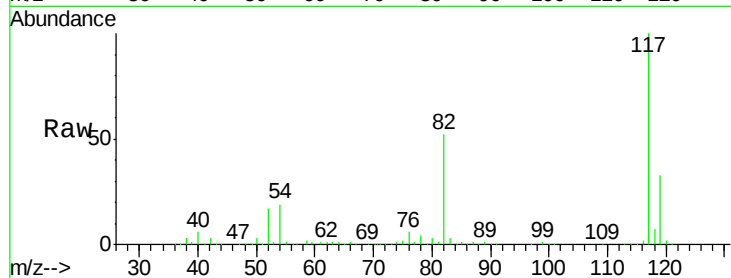




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. 0.00 min
Lab File: VX001519.D
Acq: 08 May 2018 17:33

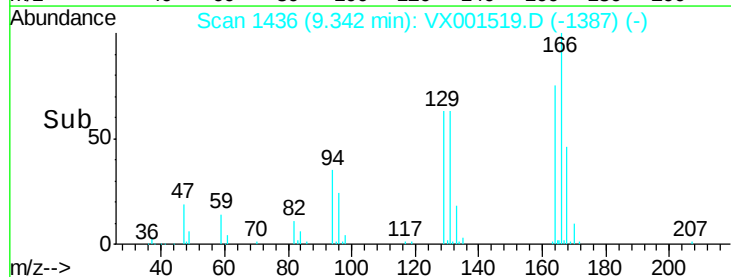
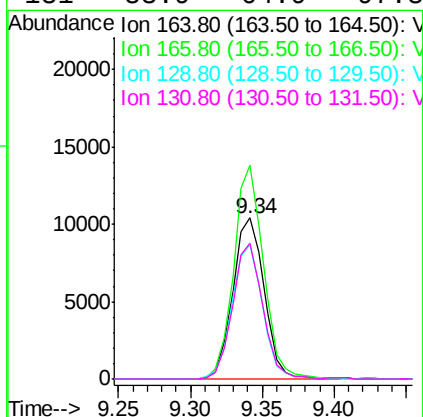
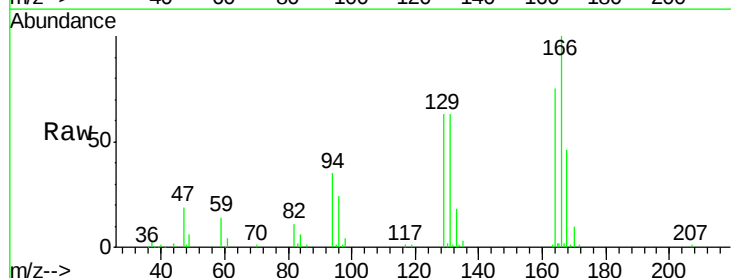
Instrument :
MSVOA_X
ClientSampleId :
DUP-0451-180425

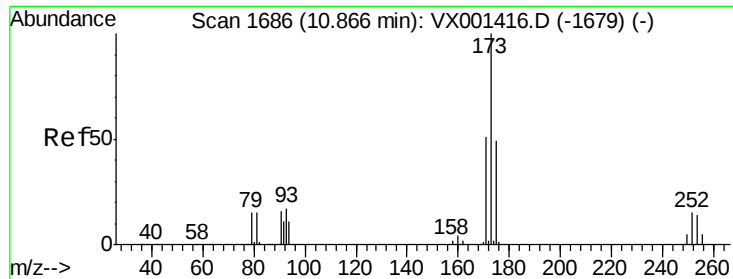
Tgt Ion:117 Resp: 279075
Ion Ratio Lower Upper
117 100
82 51.7 40.0 60.0
119 33.0 25.8 38.8



#64
Tetrachloroethene
Concen: 4.06 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. 0.00 min
Lab File: VX001519.D
Acq: 08 May 2018 17:33

Tgt Ion:164 Resp: 15774
Ion Ratio Lower Upper
164 100
166 132.7 103.5 155.3
129 83.9 66.7 100.1
131 83.9 64.9 97.3





#71

Bromoform

Concen: 3.80 ug/l

RT: 10.87 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VX001519.D

Acq: 08 May 2018 17:33

Instrument :

MSVOA_X

ClientSampleId :

DUP-0451-180425

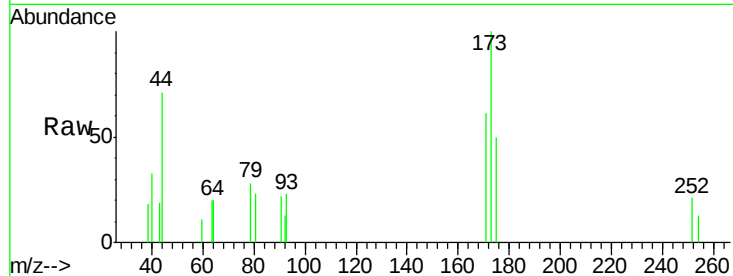
Tgt Ion:173 Resp: 706

Ion Ratio Lower Upper

173 100

175 47.2 24.5 73.5

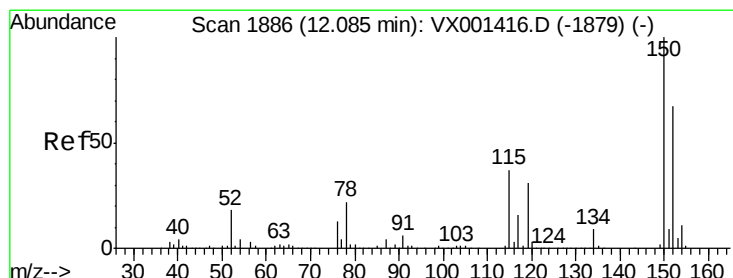
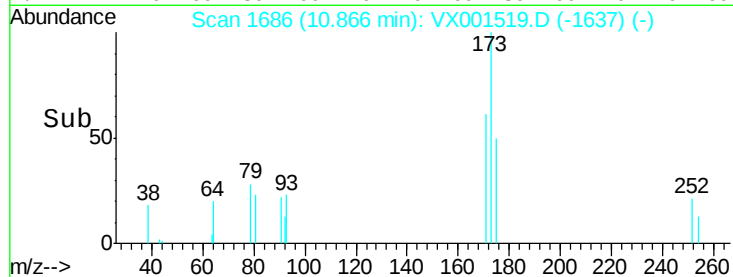
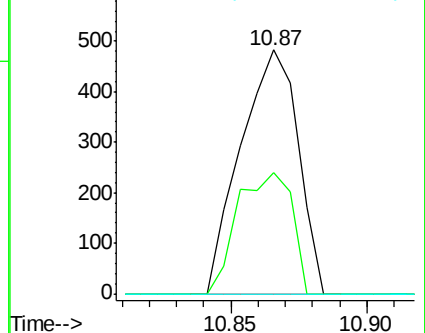
254 0.0 0.2 0.2#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX001519.D

Acq: 08 May 2018 17:33

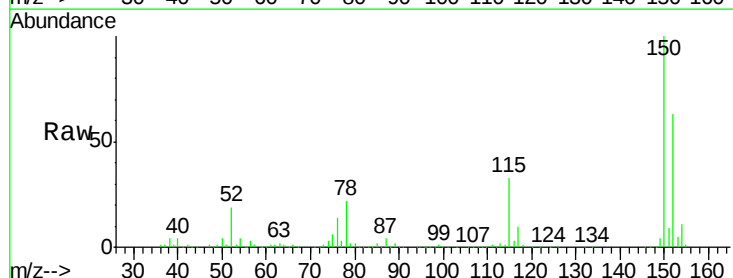
Tgt Ion:152 Resp: 152184

Ion Ratio Lower Upper

152 100

115 52.5 37.7 113.1

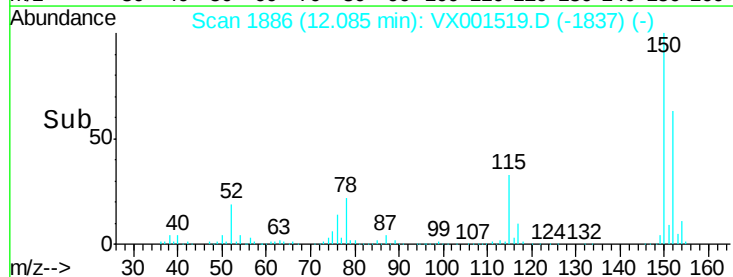
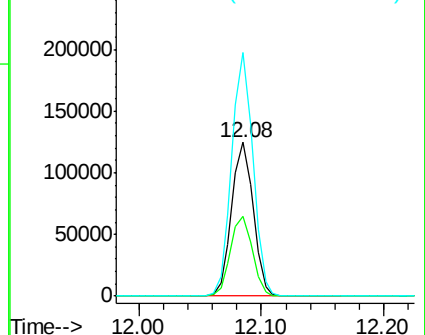
150 155.5 0.0 349.4

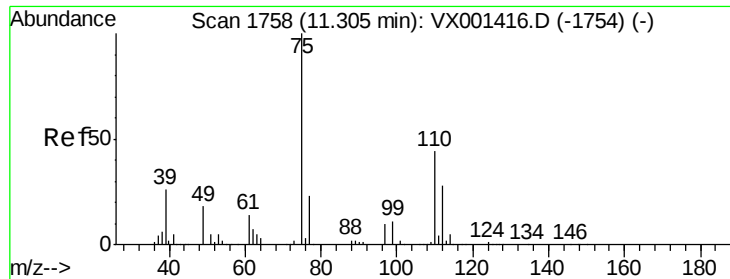


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

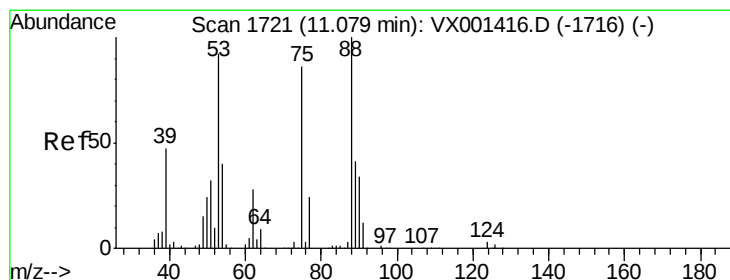
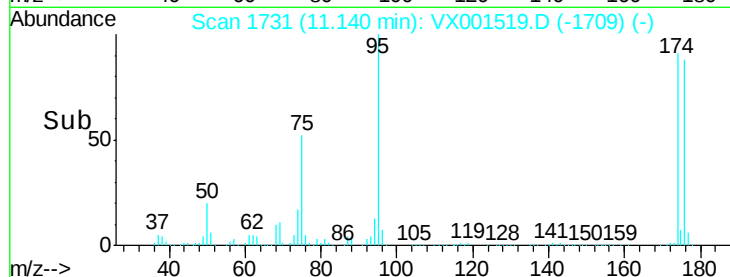
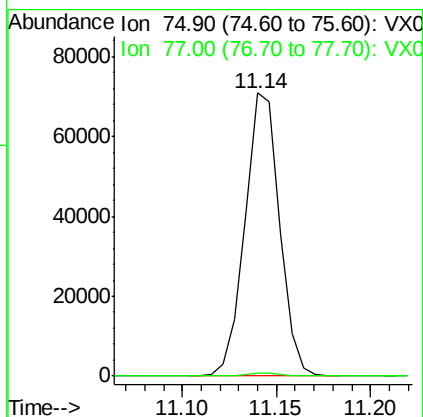
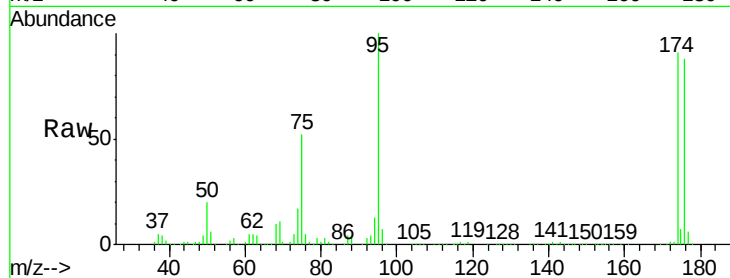




#76
 1,2,3-Trichloropropane
 Concen: 29.32 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. -0.16 min
 Lab File: VX001519.D
 Acq: 08 May 2018 17:33

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP-0451-180425

Tgt Ion: 75 Resp: 90489
 Ion Ratio Lower Upper
 75 100
 77 1.1 19.6 58.7#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 89.75 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.06 min
 Lab File: VX001519.D
 Acq: 08 May 2018 17:33

Tgt Ion: 75 Resp: 90489
 Ion Ratio Lower Upper
 75 100
 53 0.0 84.5 126.7#
 89 0.0 39.5 59.3#

