

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX031620\
 Data File : VX015292.D
 Acq On : 16 Mar 2020 14:27
 Operator : JC/SP
 Sample : L1903-20DL 10X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE103D3-20200310DL

Quant Time: Mar 17 07:41:24 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X030420W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 04 14:19:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	315128	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	504737	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	497784	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	250320	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.05	65	180224	48.21	ug/l	0.00
Spiked Amount			Recovery	=	96.42%	
35) Dibromofluoromethane	5.49	113	153623	48.24	ug/l	0.00
Spiked Amount			Recovery	=	96.48%	
50) Toluene-d8	8.71	98	634065	52.35	ug/l	0.00
Spiked Amount			Recovery	=	104.70%	
62) 4-Bromofluorobenzene	11.13	95	231637	53.62	ug/l	0.00
Spiked Amount			Recovery	=	107.24%	

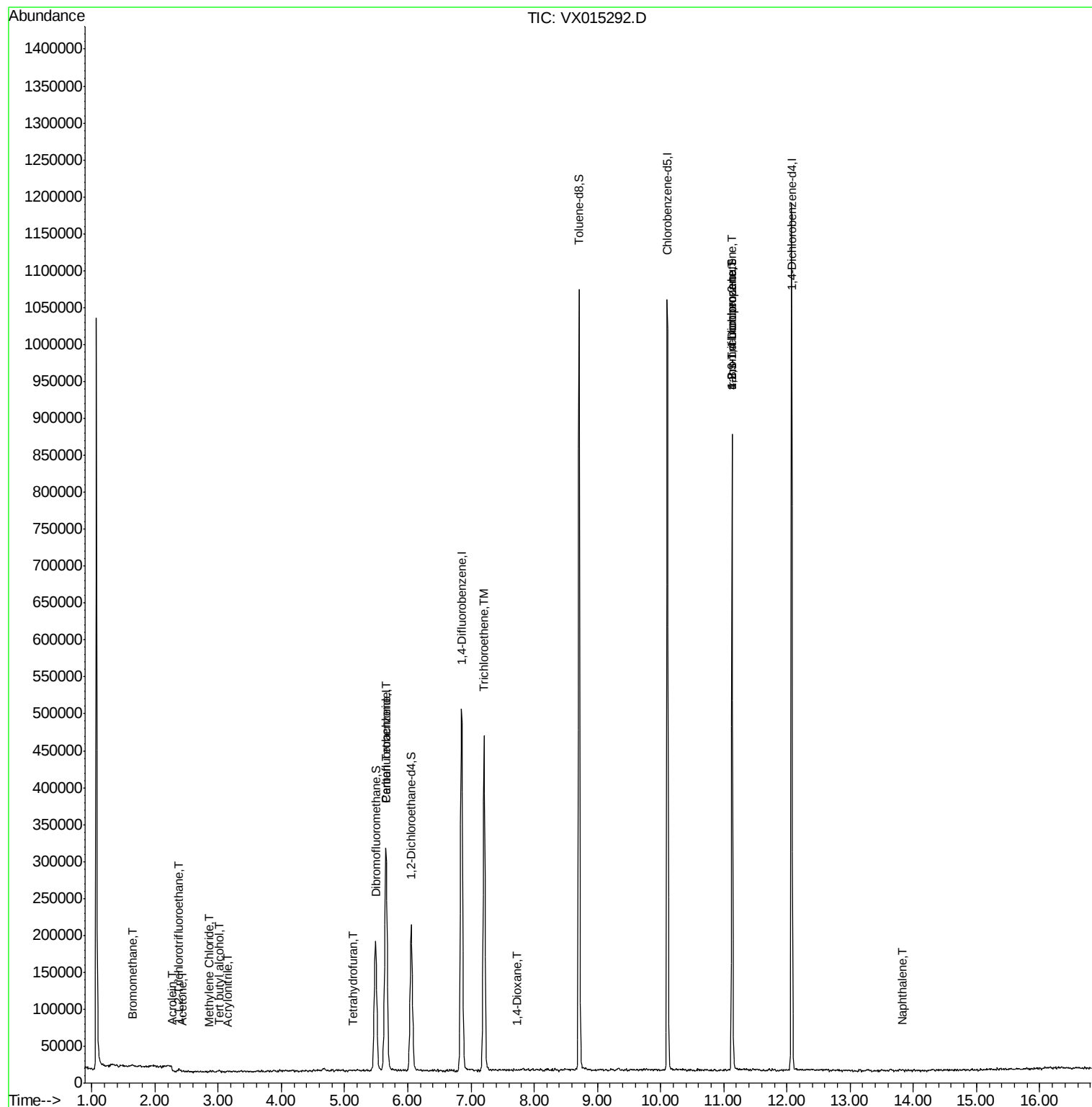
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	1210	0.497	ug/l #	65
9) 1,1,2-Trichlorotrifluoroet	2.37	101	1543	0.520	ug/l #	82
11) Tert butyl alcohol	3.01	59	775	1.195	ug/l #	72
13) Acrolein	2.28	56	134	0.220	ug/l #	15
15) Acrylonitrile	3.14	53	697	0.431	ug/l #	63
16) Acetone	2.44	43	1186	0.783	ug/l #	71
20) Methylene Chloride	2.85	84	871	0.246	ug/l #	66
29) Tetrahydrofuran	5.12	42	328	0.230	ug/l #	90
38) Carbon Tetrachloride	5.65	117	27126	6.159	ug/l #	16
44) Trichloroethene	7.21	130	183166	47.509	ug/l	99
49) 1,4-Dioxane	7.73	88	232	2.769	ug/l #	75
76) 1,2,3-Trichloropropane	11.13	75	112086	22.448	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	112086	63.708	ug/l #	11
95) Naphthalene	13.82	128	755	1.464	ug/l #	61

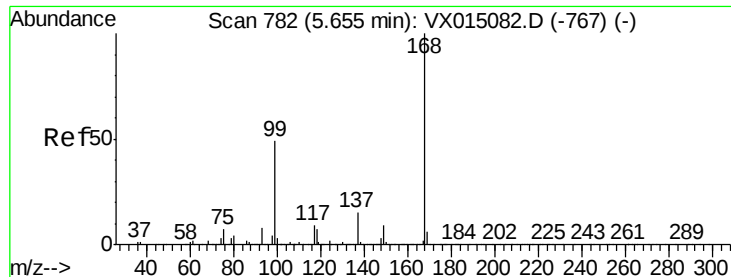
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX031620\
Data File : VX015292.D
Acq On : 16 Mar 2020 14:27
Operator : JC/SP
Sample : L1903-20DL 10X
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RE103D3-20200310DL

Quant Time: Mar 17 07:41:24 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X030420W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 04 14:19:10 2020
Response via : Initial Calibration



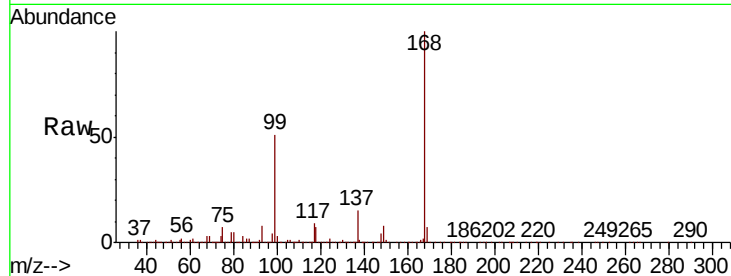


#1

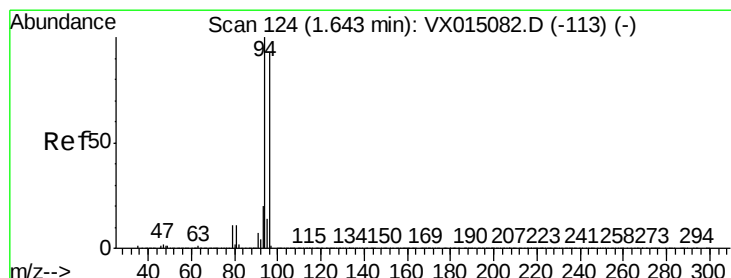
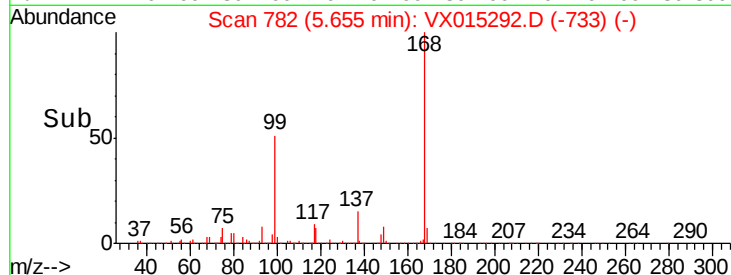
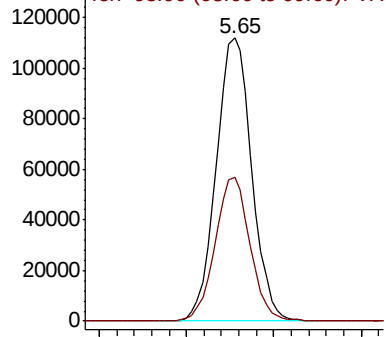
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. 0.00 min
 Lab File: VX015292.D
 Acq: 16 Mar 2020 14:27

Instrument :
 MSVOA_X
 ClientSampleId :
 RE103D3-20200310DL

Tot Ion:168 Resp: 315128
 Ion Ratio Lower Upper
 168 100
 99 50.6 39.4 59.2



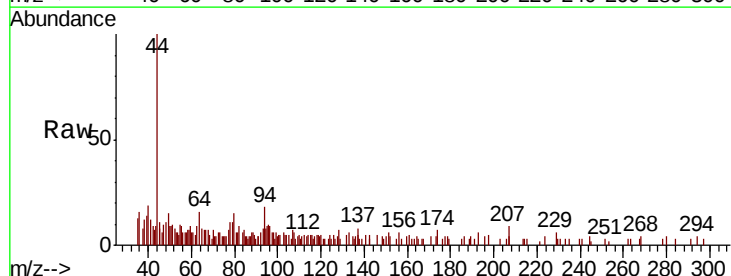
Abundance Ion 167.90 (167.60 to 168.60): V
 Ion 98.90 (98.60 to 99.60): VX0



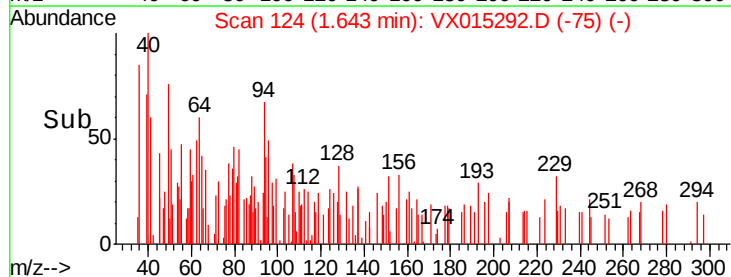
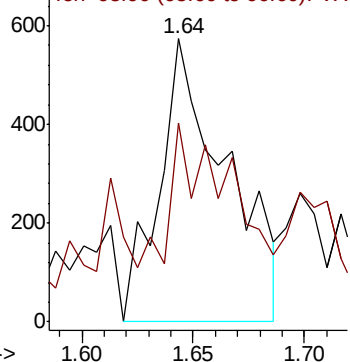
#5

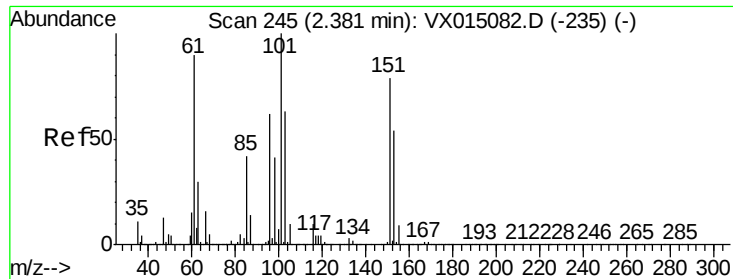
Bromomethane
 Concen: 0.497 ug/l
 RT: 1.64 min Scan# 124
 Delta R.T. 0.00 min
 Lab File: VX015292.D
 Acq: 16 Mar 2020 14:27

Tgt Ion: 94 Resp: 1210
 Ion Ratio Lower Upper
 94 100
 96 59.3 74.6 111.8#



Abundance Ion 93.90 (93.60 to 94.60): VX0
 Ion 95.90 (95.60 to 96.60): VX0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.520 ug/l

RT: 2.37 min Scan# 244

Delta R.T. -0.01 min

Lab File: VX015292.D

Acq: 16 Mar 2020 14:27

Instrument :

MSVOA_X

ClientSampleId :

RE103D3-20200310DL

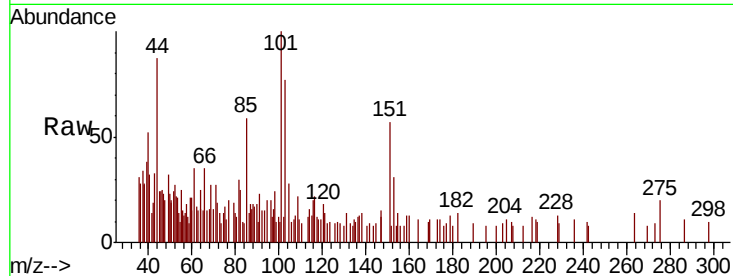
Tot Ion:101 Resp: 1543

Ion Ratio Lower Upper

101 100

85 63.3 33.7 50.5#

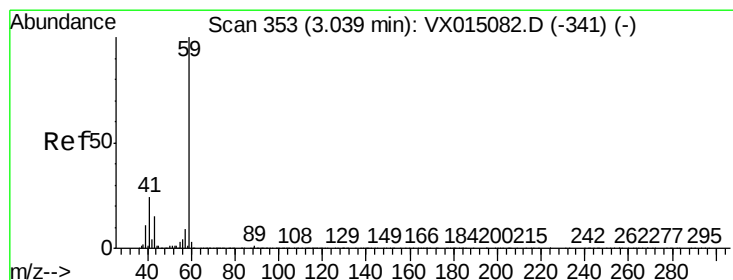
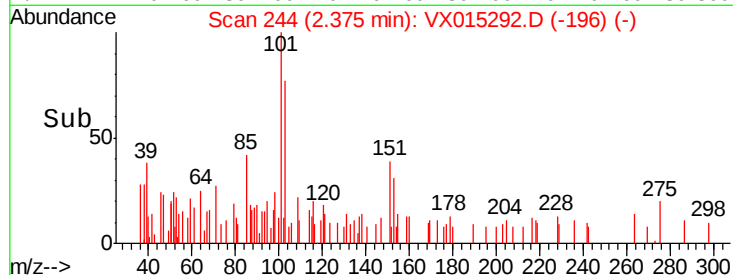
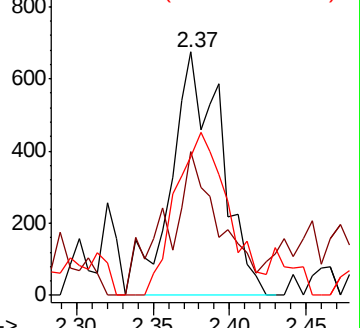
151 71.0 64.0 96.0



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#11

Tert butyl alcohol

Concen: 1.195 ug/l

RT: 3.01 min Scan# 349

Delta R.T. -0.02 min

Lab File: VX015292.D

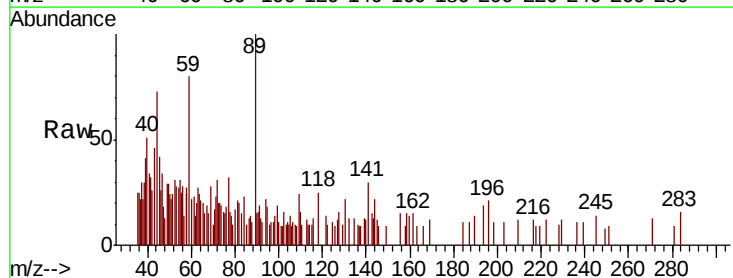
Acq: 16 Mar 2020 14:27

Tgt Ion: 59 Resp: 775

Ion Ratio Lower Upper

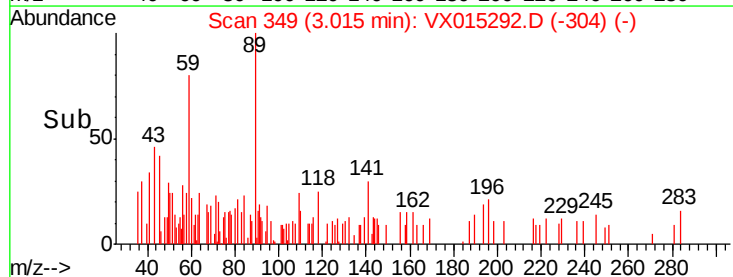
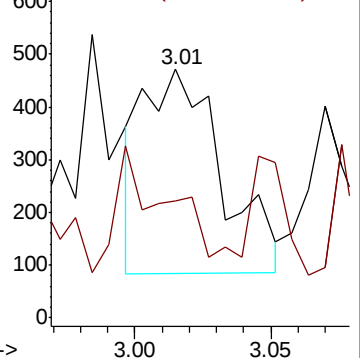
59 100

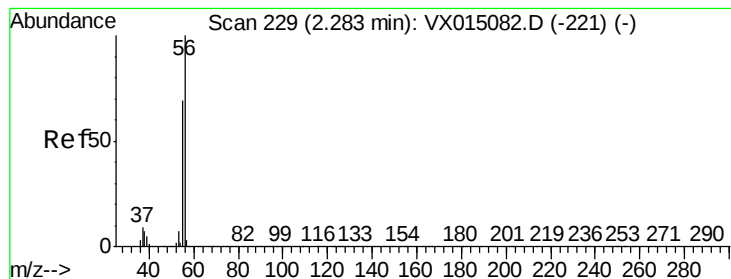
57 0.0 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 0.220 ug/l

RT: 2.28 min Scan# 228

Delta R.T. -0.01 min

Lab File: VX015292.D

Acq: 16 Mar 2020 14:27

Instrument :

MSVOA_X

ClientSampleId :

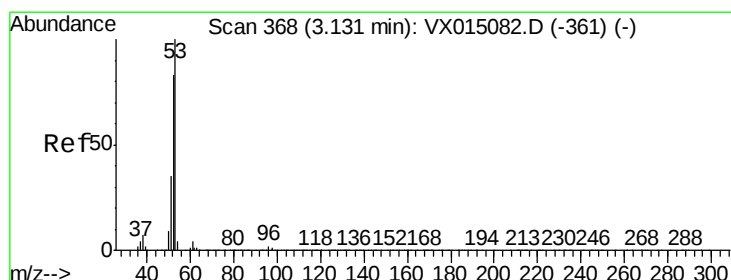
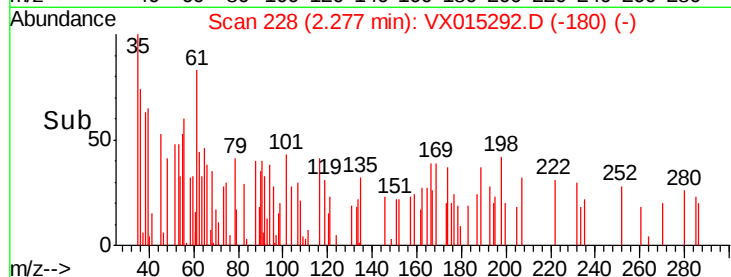
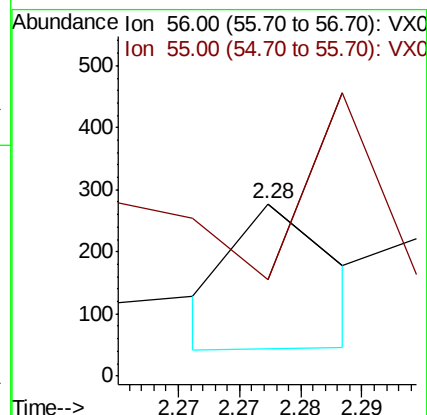
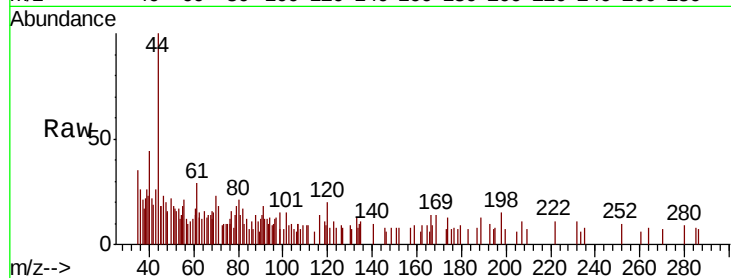
RE103D3-20200310DL

Tot Ion: 56 Resp: 134

Ion Ratio Lower Upper

56 100

55 0.0 55.4 83.0#



#15

Acrylonitrile

Concen: 0.431 ug/l

RT: 3.14 min Scan# 370

Delta R.T. 0.01 min

Lab File: VX015292.D

Acq: 16 Mar 2020 14:27

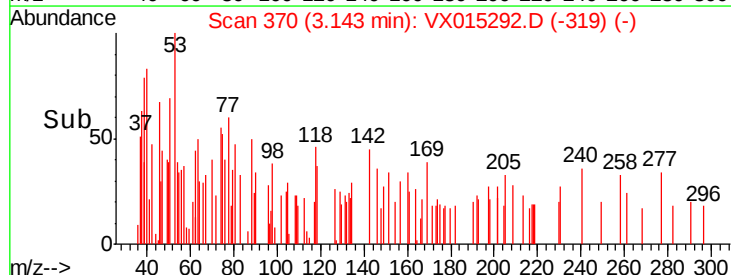
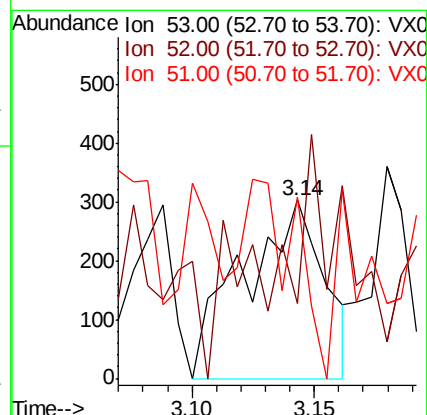
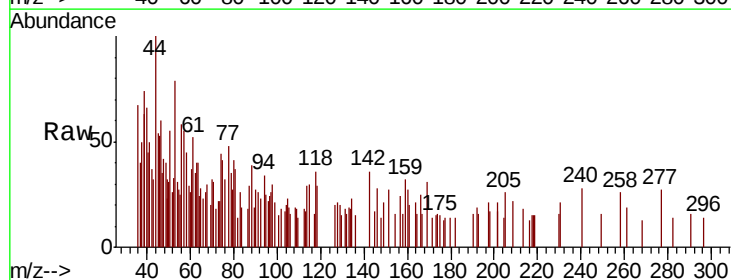
Tgt Ion: 53 Resp: 697

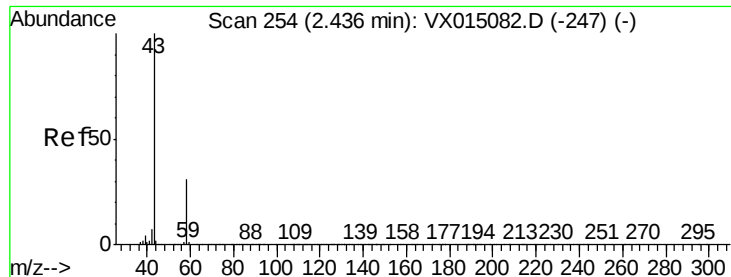
Ion Ratio Lower Upper

53 100

52 60.1 66.6 100.0#

51 0.0 29.0 43.6#

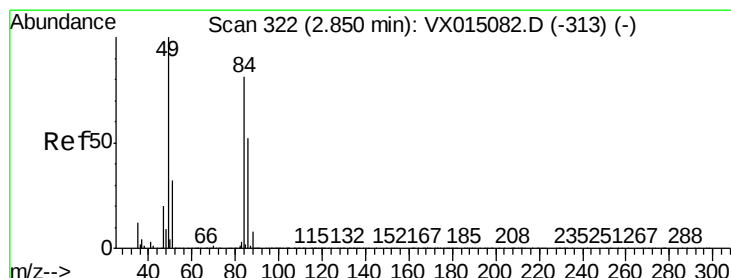
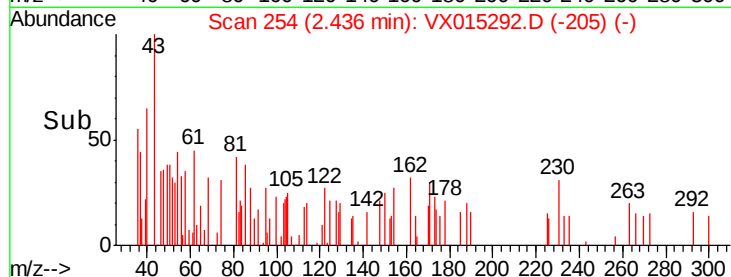
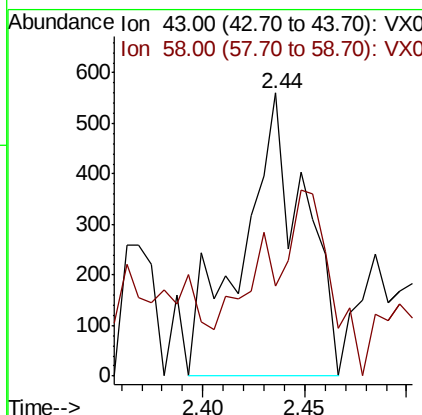
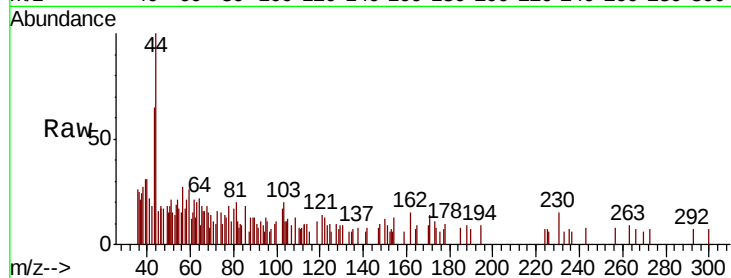




#16
Acetone
Concen: 0.783 ug/l
RT: 2.44 min Scan# 254
Delta R.T. 0.00 min
Lab File: VX015292.D
Acq: 16 Mar 2020 14:27

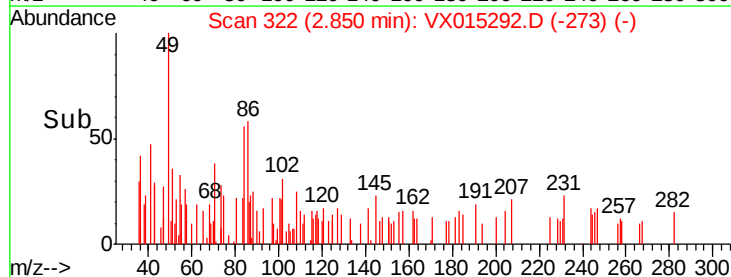
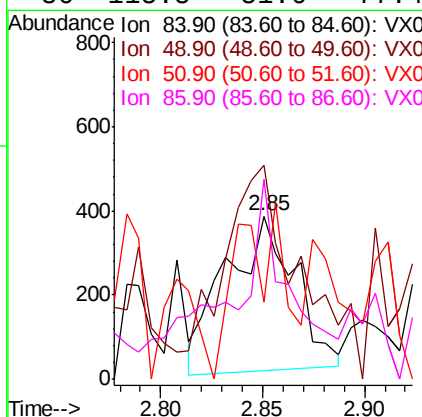
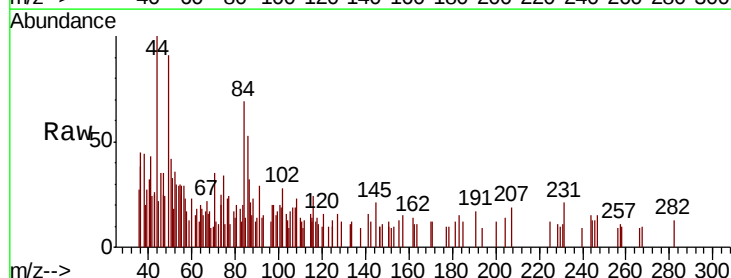
Instrument :
MSVOA_X
ClientSampled :
RE103D3-20200310DL

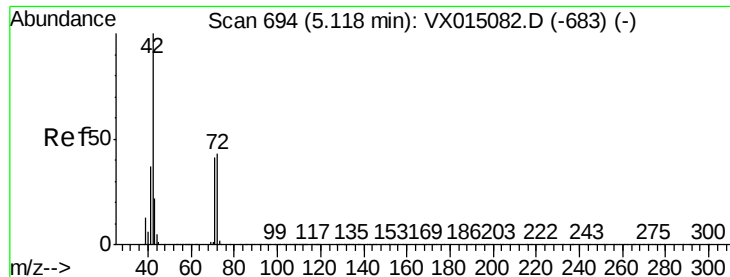
Tot Ion: 43 Resp: 1186
Ion Ratio Lower Upper
43 100
58 15.0 24.8 37.2#



#20
Methylene Chloride
Concen: 0.246 ug/l
RT: 2.85 min Scan# 322
Delta R.T. 0.00 min
Lab File: VX015292.D
Acq: 16 Mar 2020 14:27

Tgt Ion: 84 Resp: 871
Ion Ratio Lower Upper
84 100
49 115.2 99.4 149.2
51 0.6 31.5 47.3#
86 115.5 51.6 77.4#





#29

Tetrahydrofuran

Concen: 0.230 ug/l

RT: 5.12 min Scan# 695

Delta R.T. 0.01 min

Lab File: VX015292.D

Acq: 16 Mar 2020 14:27

Instrument :

MSVOA_X

ClientSampleId :

RE103D3-20200310DL

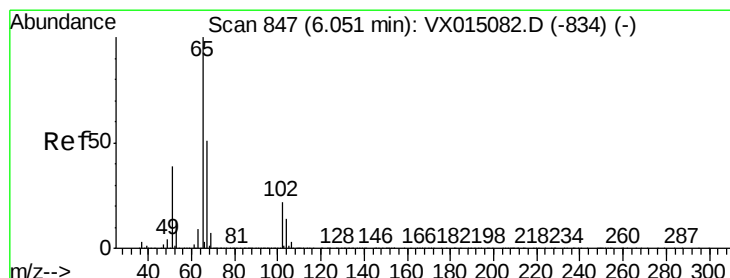
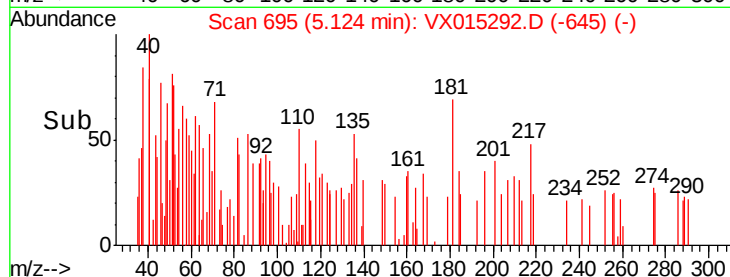
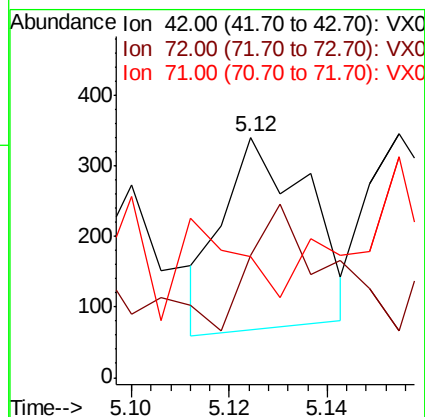
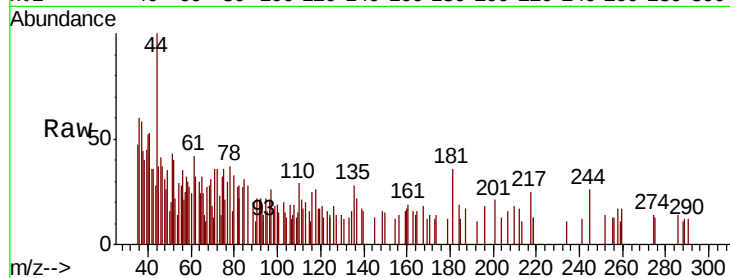
Tot Ion: 42 Resp: 328

Ion Ratio Lower Upper

42 100

72 57.9 36.4 54.6#

71 41.2 33.3 49.9



#33

1,2-Dichloroethane-d4

Concen: 48.206 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX015292.D

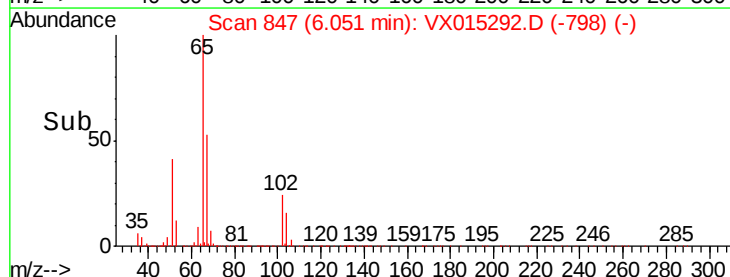
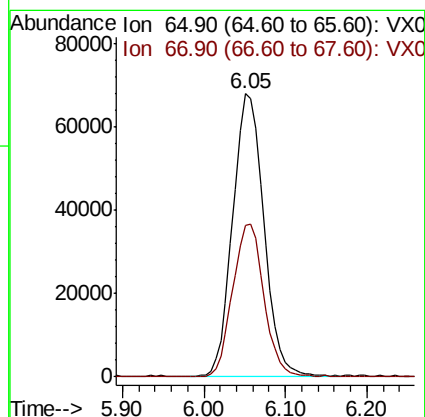
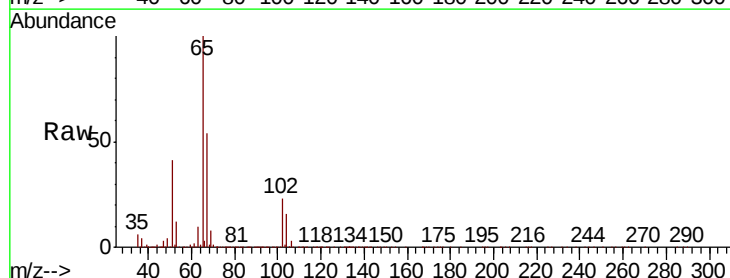
Acq: 16 Mar 2020 14:27

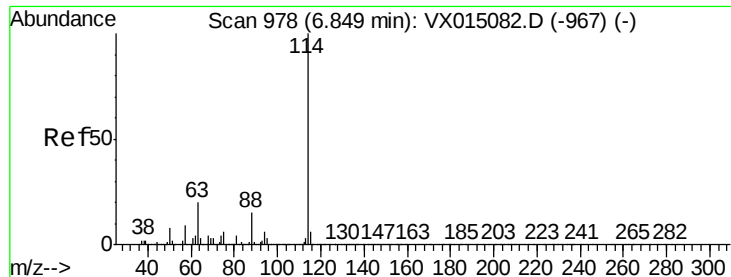
Tgt Ion: 65 Resp: 180224

Ion Ratio Lower Upper

65 100

67 53.2 0.0 105.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX015292.D

Acq: 16 Mar 2020 14:27

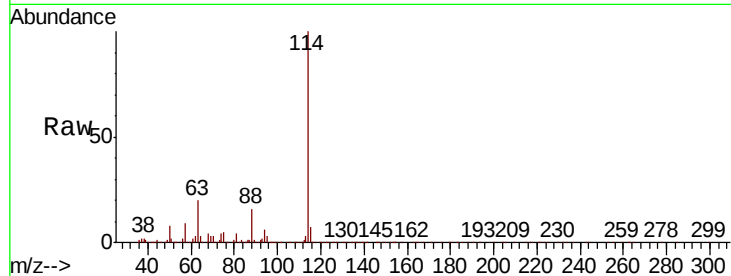
Instrument :

MSVOA_X

ClientSampleId :

RE103D3-20200310DL

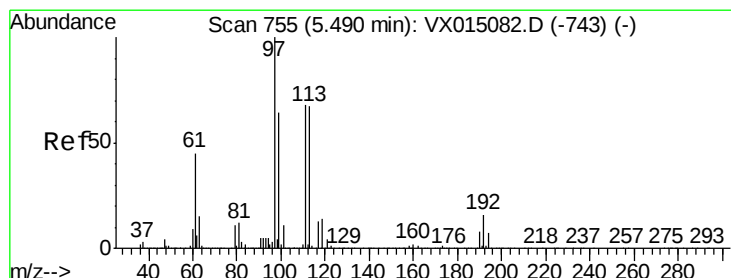
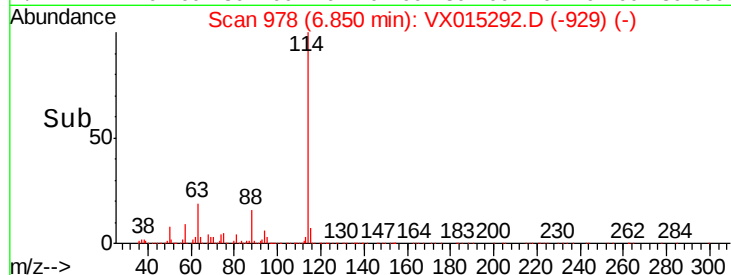
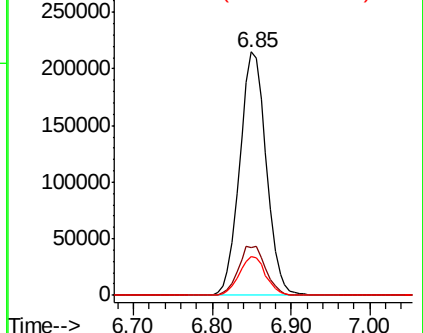
Tot Ion:114	Resp:	504737
Ion Ratio	Lower	Upper
114 100		
63 19.4	0.0	40.0
88 16.1	0.0	30.6



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: 48.245 ug/l

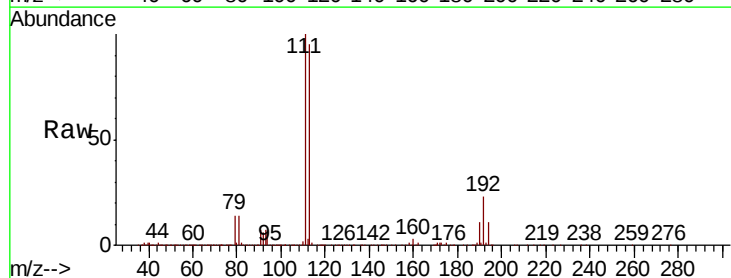
RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX015292.D

Acq: 16 Mar 2020 14:27

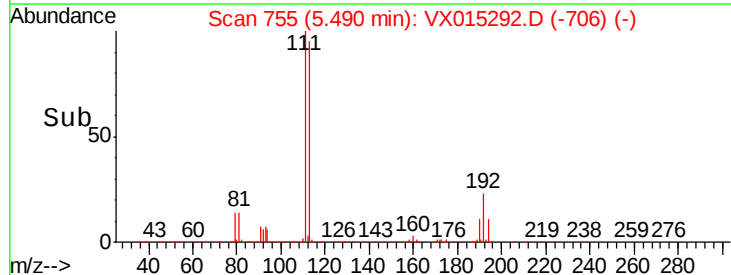
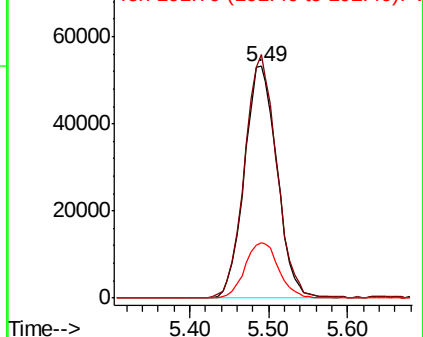
Tgt Ion:113	Resp:	153623
Ion Ratio	Lower	Upper
113 100		
111 102.7	82.6	123.8
192 24.8	18.6	28.0

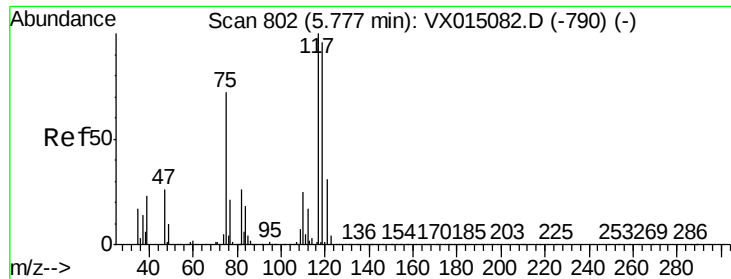


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#38

Carbon Tetrachloride

Concen: 6.159 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.12 min

Lab File: VX015292.D

Acq: 16 Mar 2020 14:27

Instrument :

MSVOA_X

ClientSampleId :

RE103D3-20200310DL

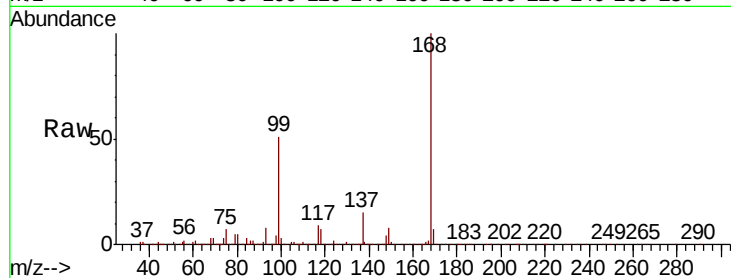
Tot Ion:117 Resp: 27126

Ion Ratio Lower Upper

117 100

119 4.8 76.9 115.3#

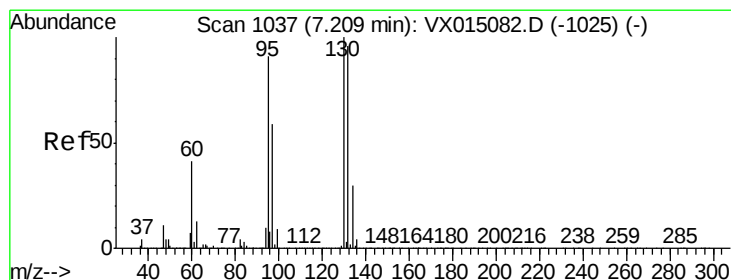
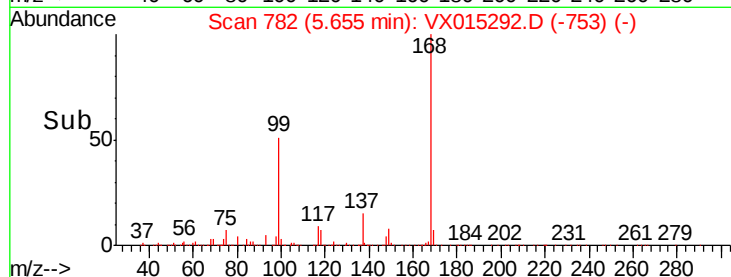
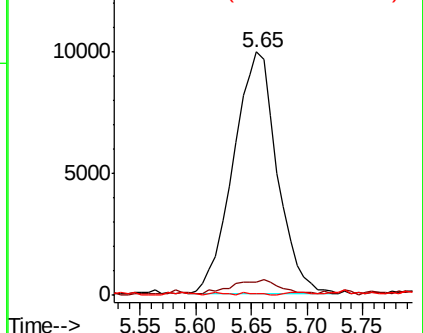
121 0.0 24.6 37.0#



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: 47.509 ug/l

RT: 7.21 min Scan# 1037

Delta R.T. 0.00 min

Lab File: VX015292.D

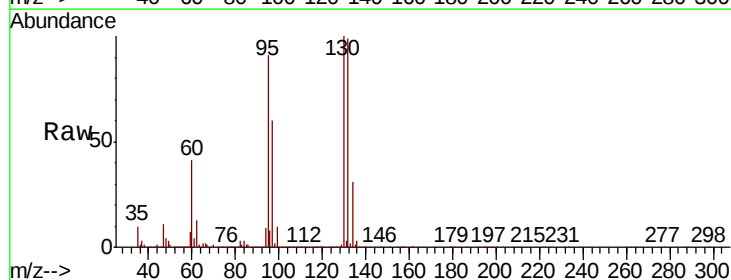
Acq: 16 Mar 2020 14:27

Tgt Ion:130 Resp: 183166

Ion Ratio Lower Upper

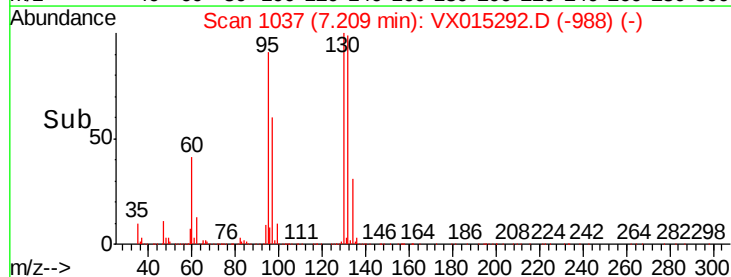
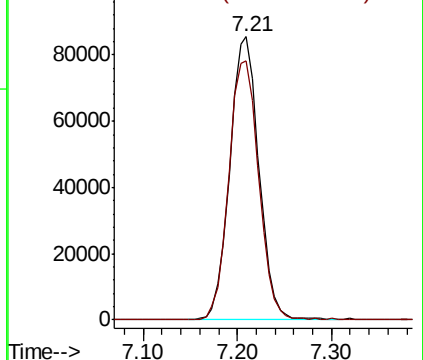
130 100

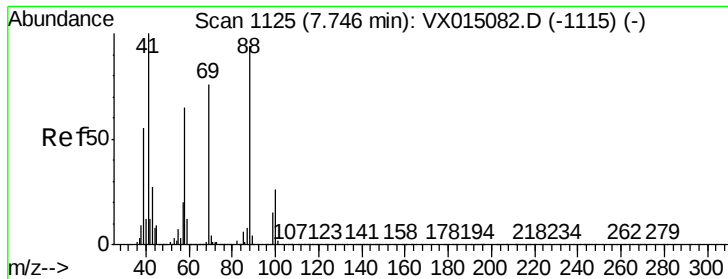
95 91.1 0.0 181.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#49

1,4-Dioxane

Concen: 2.769 ug/l

RT: 7.73 min Scan# 1123

Delta R.T. -0.01 min

Lab File: VX015292.D

Acq: 16 Mar 2020 14:27

Instrument :

MSVOA_X

ClientSampleId :

RE103D3-20200310DL

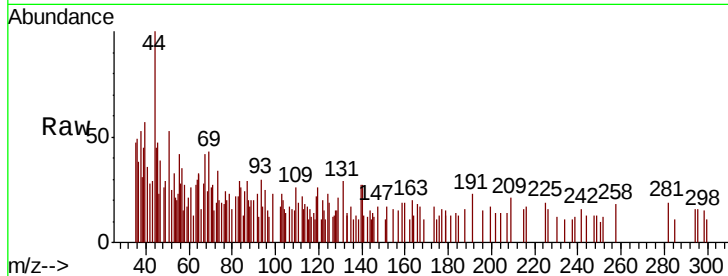
Tot Ion: 88 Resp: 232

Ion Ratio Lower Upper

88 100

43 0.0 27.0 40.4#

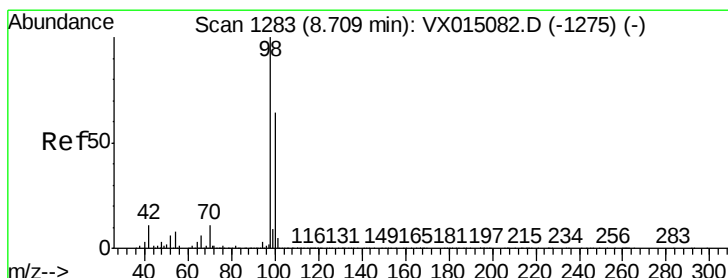
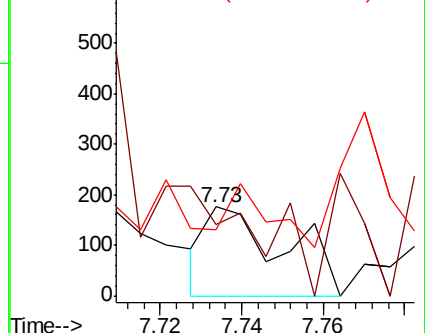
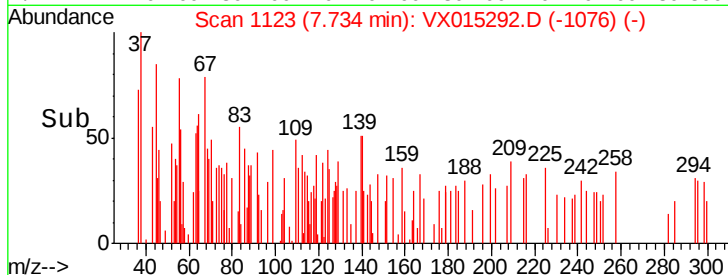
58 62.1 55.6 83.4



Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50

Toluene-d8

Concen: 52.349 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX015292.D

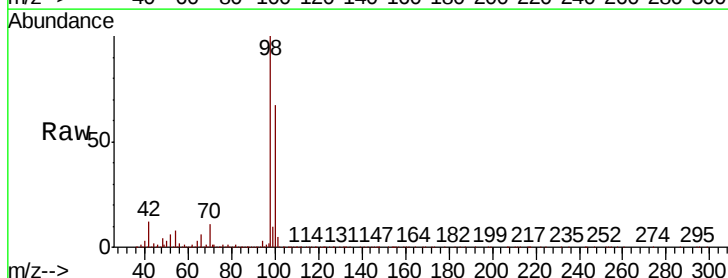
Acq: 16 Mar 2020 14:27

Tgt Ion: 98 Resp: 634065

Ion Ratio Lower Upper

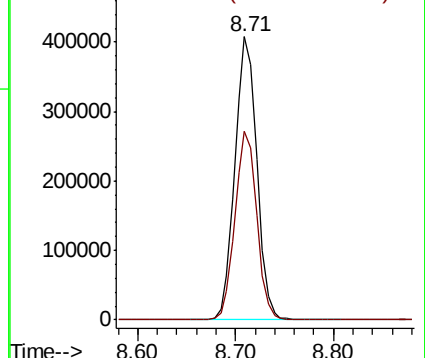
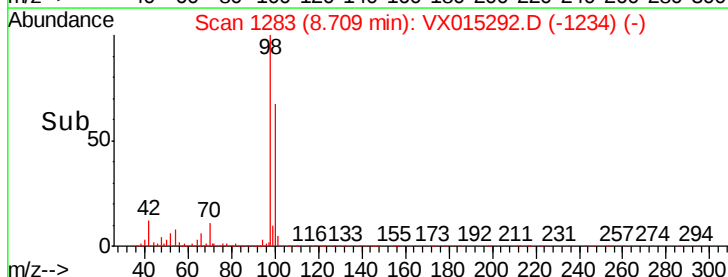
98 100

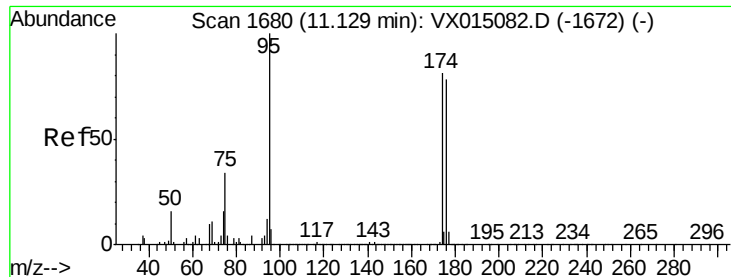
100 66.1 52.4 78.6



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

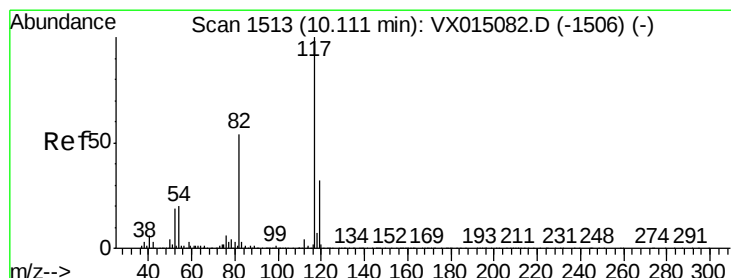
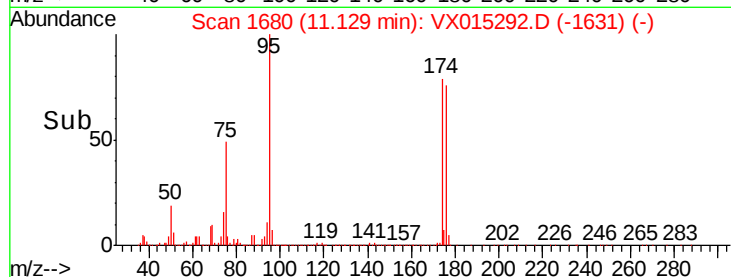
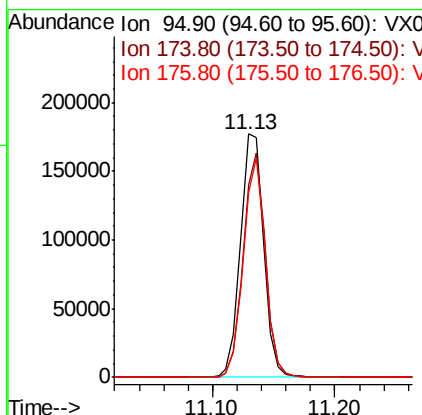
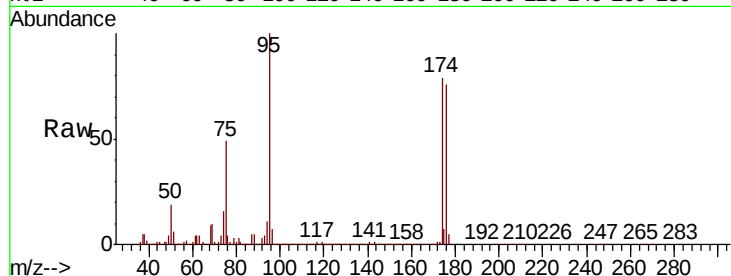




#62
4-Bromofluorobenzene
Concen: 53.615 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VX015292.D
Acq: 16 Mar 2020 14:27

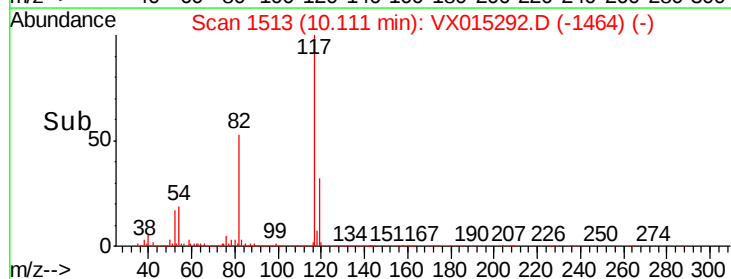
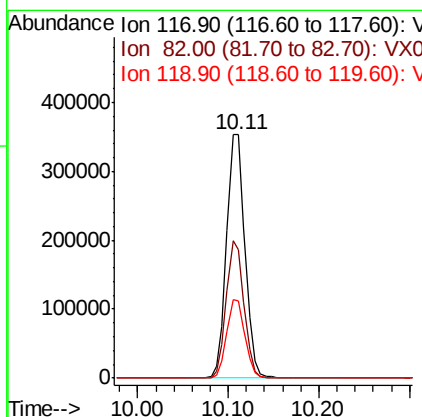
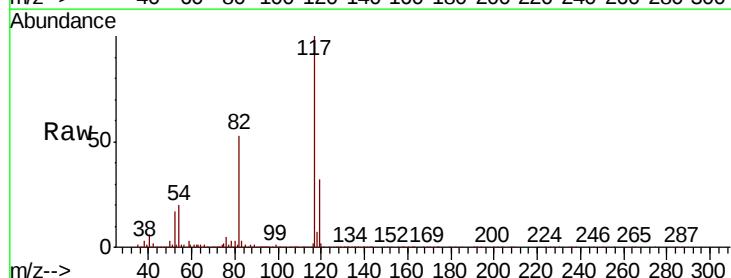
Instrument :
MSVOA_X
ClientSampleId :
RE103D3-20200310DL

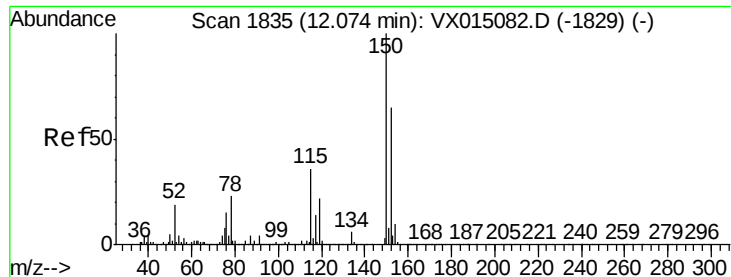
Tot Ion	Ratio	Lower	Upper
95	100		
174	88.6	0.0	177.6
176	85.9	0.0	170.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX015292.D
Acq: 16 Mar 2020 14:27

Tgt Ion	Ratio	Lower	Upper
117	100		
82	52.9	43.3	64.9
119	31.9	25.8	38.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX015292.D

Acq: 16 Mar 2020 14:27

Instrument :

MSVOA_X

ClientSampleId :

RE103D3-20200310DL

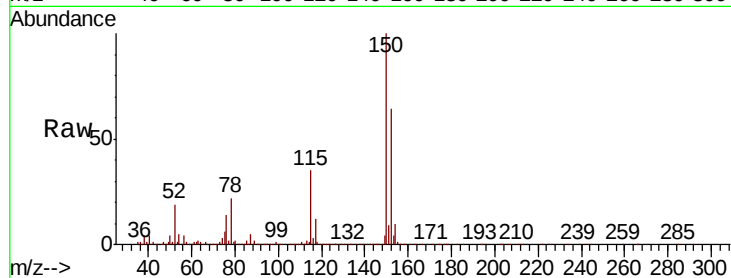
Tot Ion:152 Resp: 250320

Ion Ratio Lower Upper

152 100

115 56.0 38.2 114.6

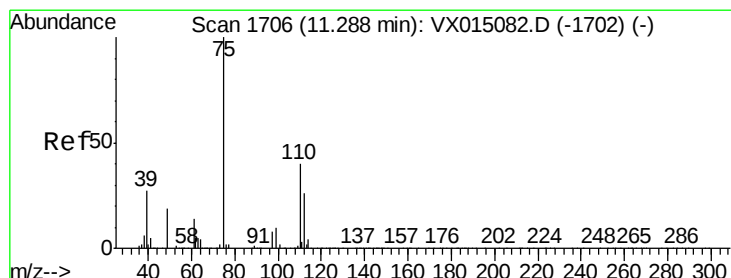
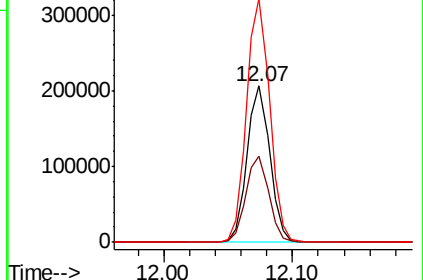
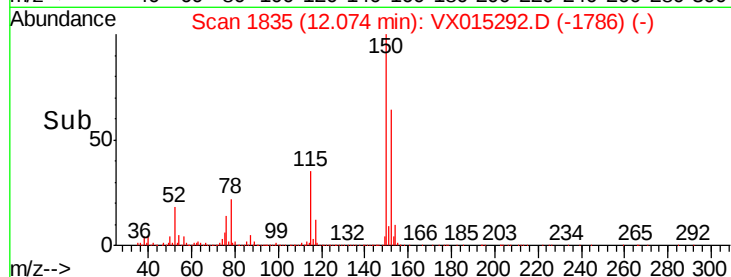
150 157.7 0.0 343.8



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: 22.448 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX015292.D

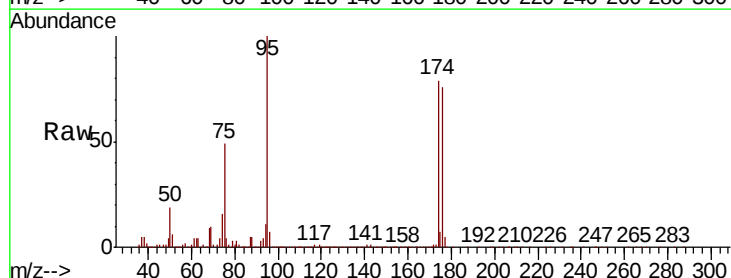
Acq: 16 Mar 2020 14:27

Tgt Ion: 75 Resp: 112086

Ion Ratio Lower Upper

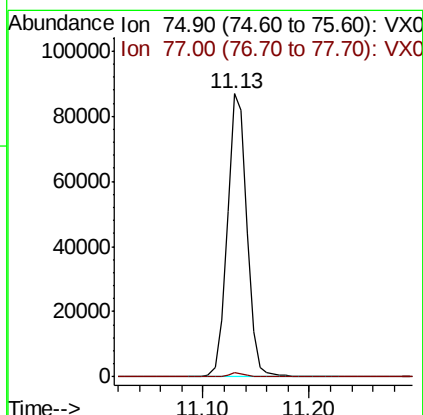
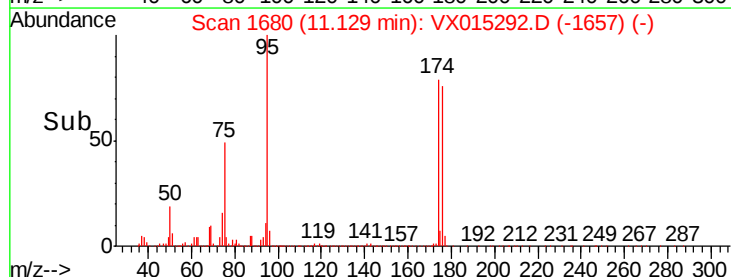
75 100

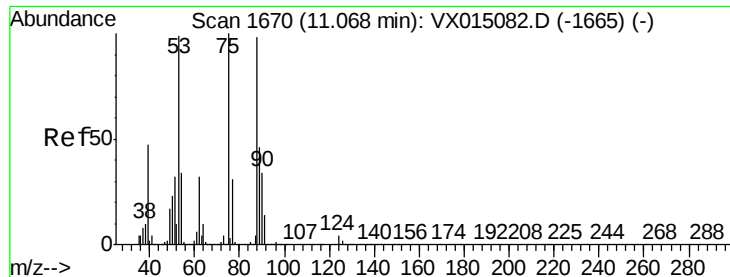
77 1.5 22.6 67.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

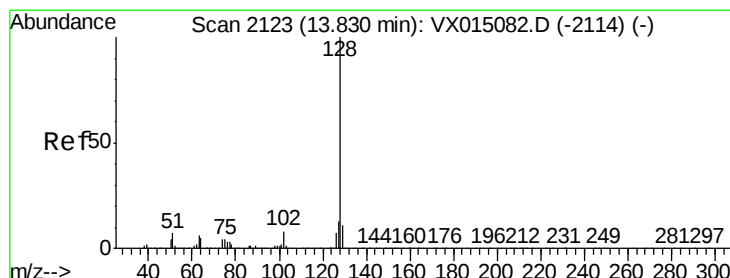
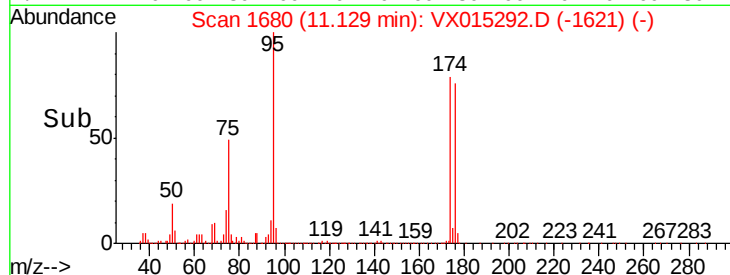
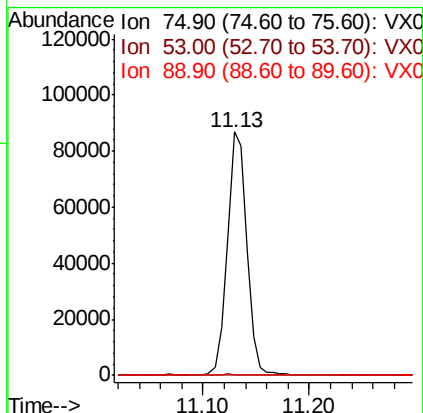
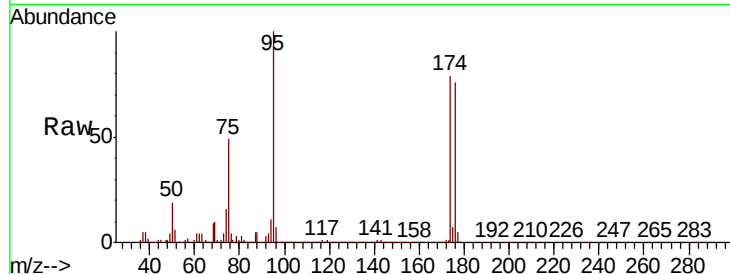




#81
trans-1,4-Dichloro-2-butene
Concen: 63.708 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. 0.06 min
Lab File: VX015292.D
Acq: 16 Mar 2020 14:27

Instrument :
MSVOA_X
ClientSampleId :
RE103D3-20200310DL

Tot Ion: 75 Resp: 112086
Ion Ratio Lower Upper
75 100
53 0.6 77.9 116.9#
89 0.2 36.2 54.2#



#95
Naphthalene
Concen: 1.464 ug/l
RT: 13.82 min Scan# 2122
Delta R.T. -0.01 min
Lab File: VX015292.D
Acq: 16 Mar 2020 14:27

Tgt Ion: 128 Resp: 755
Ion Ratio Lower Upper
128 100
127 33.1 10.3 15.5#
129 20.3 8.6 13.0#

