

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX051820\
 Data File : VX016309.D
 Acq On : 18 May 2020 19:34
 Operator : JC/SP
 Sample : L2672-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 WP021MW037-200514

Manual Integrations
 APPROVED

MMDadoda
 5/19/2020 2:27:09 PM

Quant Time: May 19 12:42:56 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X050420W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 06 06:43:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	263904	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	433433	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	427288	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	217661	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	152899	44.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.06%	
35) Dibromofluoromethane	5.47	113	125043	45.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.08%	
50) Toluene-d8	8.70	98	523551	49.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.96%	
62) 4-Bromofluorobenzene	11.12	95	217010	53.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.84%	

Target Compounds

	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	1240	0.382	ug/l	94
4) Vinyl Chloride	1.39	62	27050	7.816	ug/l	94
12) 1,1-Dichloroethene	2.36	96	1723	0.628	ug/l #	80
16) Acetone	2.42	43	9018	5.820	ug/l	96
21) trans-1,2-Dichloroethene	3.15	96	1535	0.502	ug/l	82
27) cis-1,2-Dichloroethene	4.57	96	87360	26.139	ug/l	87
29) Tetrahydrofuran	5.11	42	1215	0.734	ug/l #	75
40) Benzene	6.12	78	5707	0.457	ug/l	99
44) Trichloroethene	7.19	130	14601	3.292	ug/l	98
64) Tetrachloroethene	9.32	164	4666	0.890	ug/l	89
65) Chlorobenzene	10.12	112	140903	15.749	ug/l	99
87) 1,3-Dichlorobenzene	12.01	146	3576	0.487	ug/l	99
88) 1,4-Dichlorobenzene	12.08	146	10311m	1.385	ug/l	
91) 1,2-Dichlorobenzene	12.38	146	11639	1.647	ug/l	99
94) Hexachlorobutadiene	13.76	225	477	0.733	ug/l	89

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

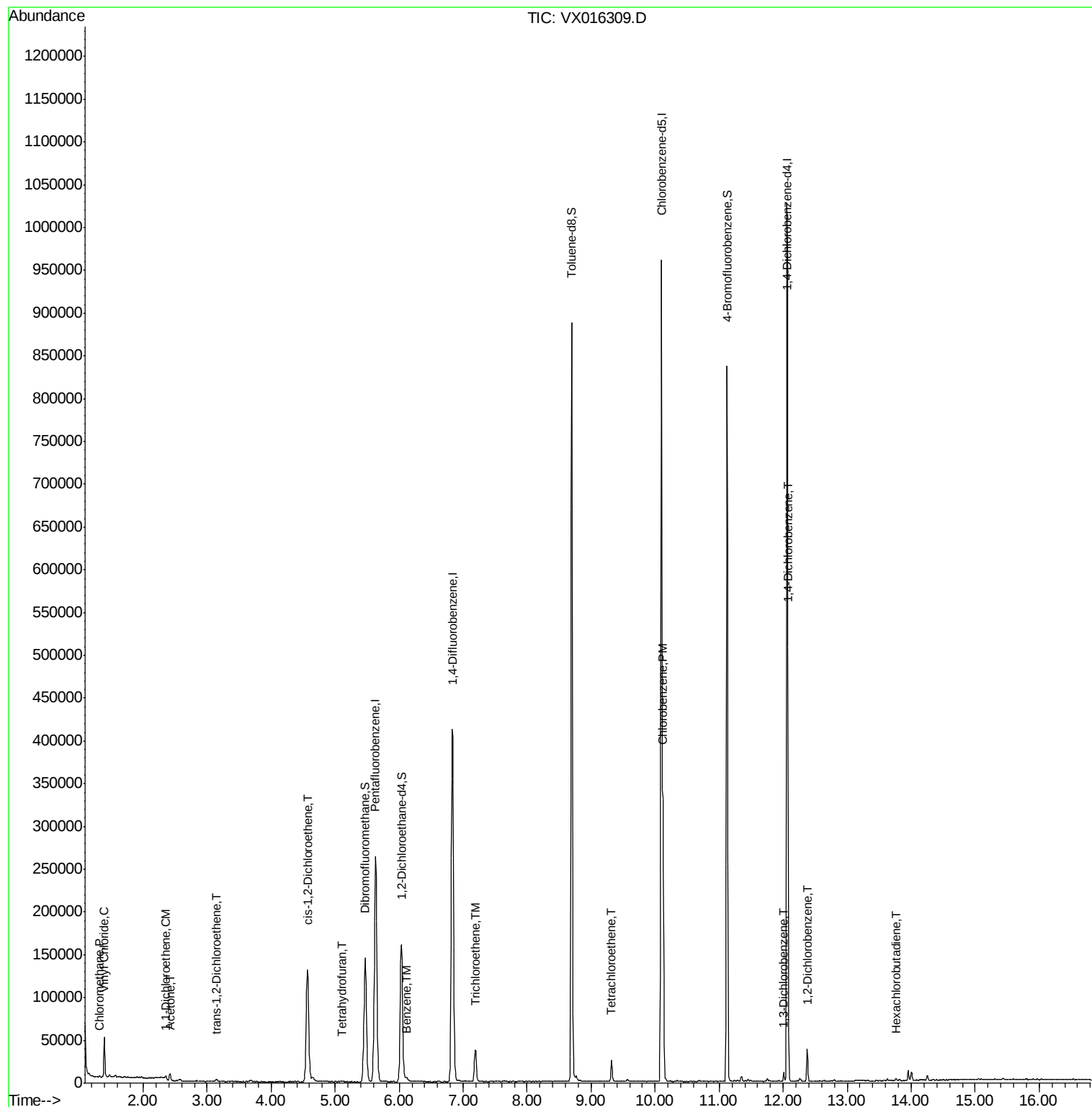
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX051820\
Data File : VX016309.D
Acq On : 18 May 2020 19:34
Operator : JC/SP
Sample : L2672-02
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
WP021MW037-200514

Manual Integrations
APPROVED

MMDadoda
5/19/2020 2:27:09 PM

Quant Time: May 19 12:42:56 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X050420W.M
Quant Title : SW846 8260
QLast Update : Wed May 06 06:43:32 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.01 min

Lab File: VX016309.D

Acq: 18 May 2020 19:34

Instrument :

MSVOA_X

ClientSampleId :

WP021MW037-200514

Tot Ion:168 Resp: 263904

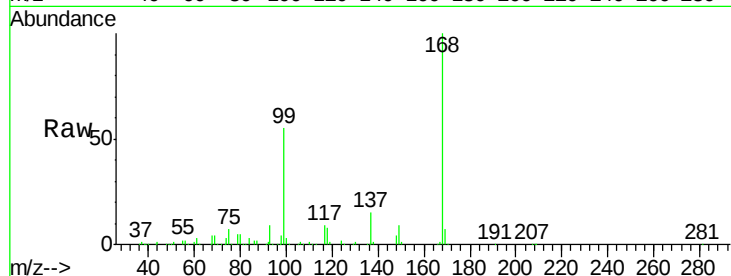
Ion Ratio Lower Upper

168 100

99 55.1 45.0 67.4

Manual Integrations
APPROVED

MMDadoda
5/19/2020 2:27:09 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

100000

80000

60000

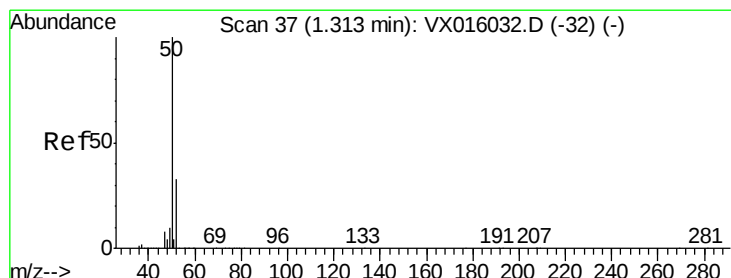
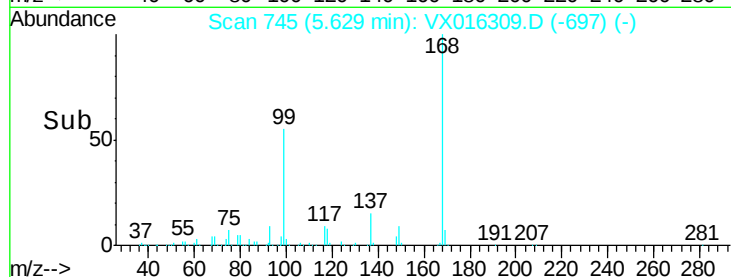
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.382 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX016309.D

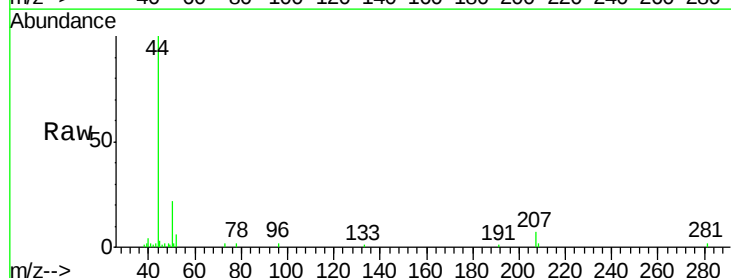
Acq: 18 May 2020 19:34

Tgt Ion: 50 Resp: 1240

Ion Ratio Lower Upper

50 100

52 29.3 26.1 39.1



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.31

1200

1000

800

600

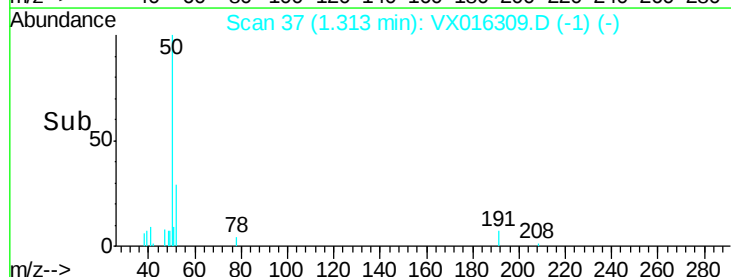
400

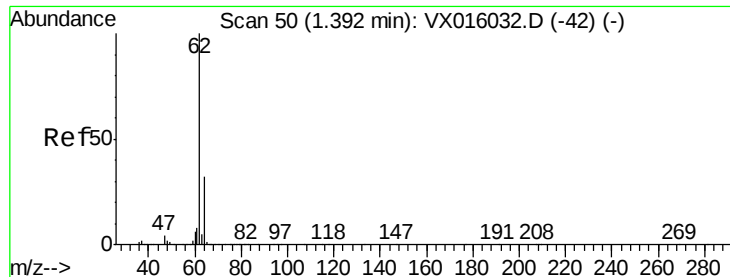
200

0

Time-->

1.30 1.35





#4

Vinyl Chloride

Concen: 7.816 ug/l

RT: 1.39 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX016309.D

Acq: 18 May 2020 19:34

Instrument :

MSVOA_X

ClientSampleId :

WP021MW037-200514

Tot Ion: 62 Resp: 27050

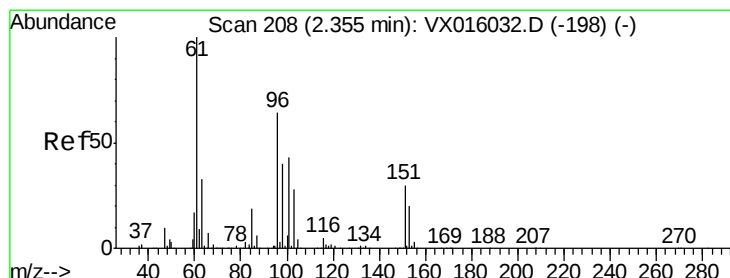
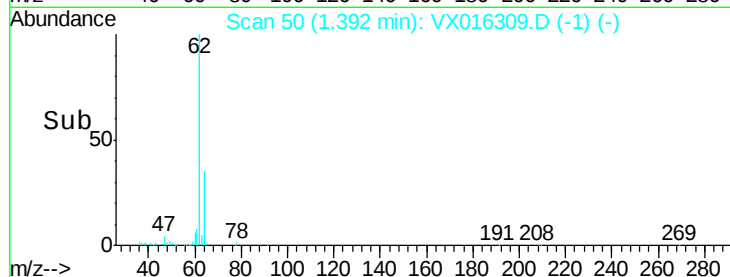
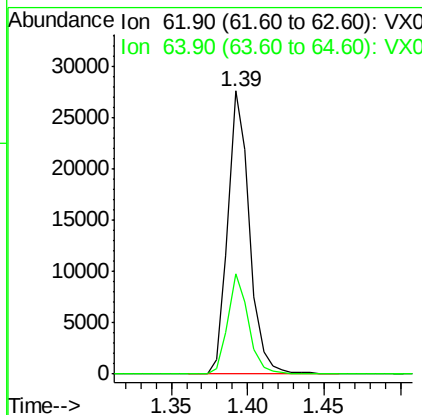
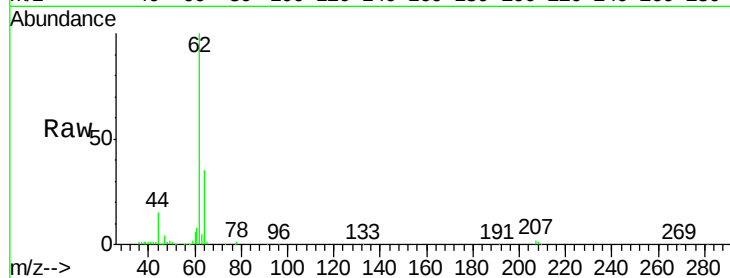
Ion Ratio Lower Upper

62 100

64 35.4 25.7 38.5

Manual Integrations
APPROVED

MMDadoda
5/19/2020 2:27:09 PM



#12

1,1-Dichloroethene

Concen: 0.628 ug/l

RT: 2.36 min Scan# 208

Delta R.T. -0.00 min

Lab File: VX016309.D

Acq: 18 May 2020 19:34

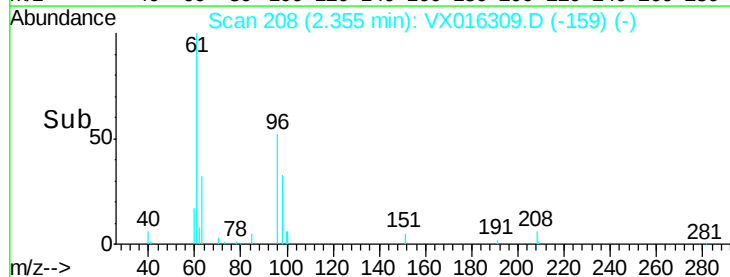
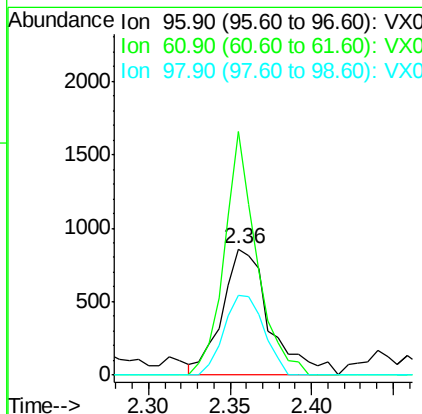
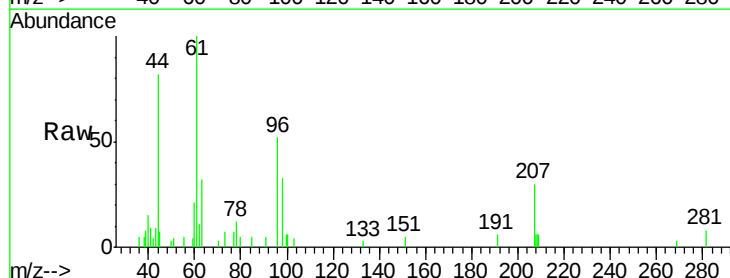
Tgt Ion: 96 Resp: 1723

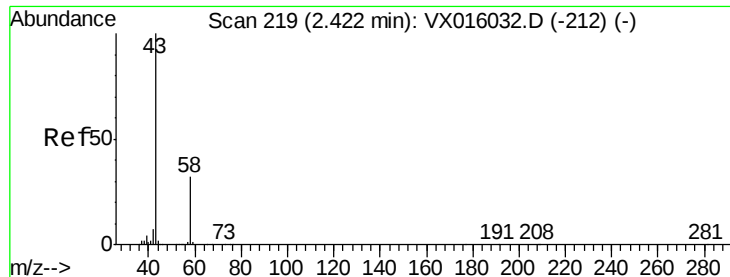
Ion Ratio Lower Upper

96 100

61 192.7 124.8 187.2#

98 62.7 49.7 74.5





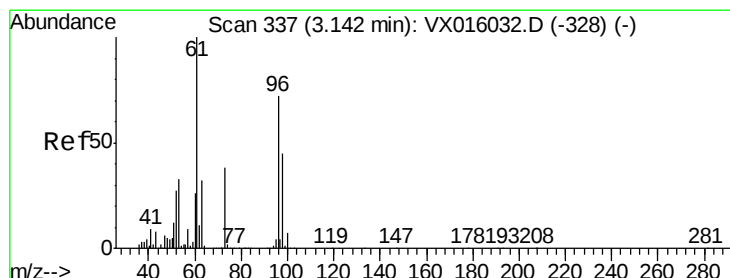
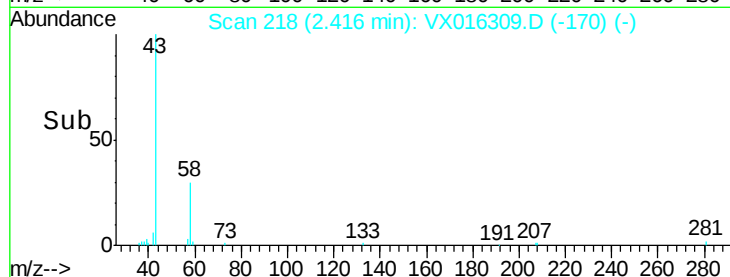
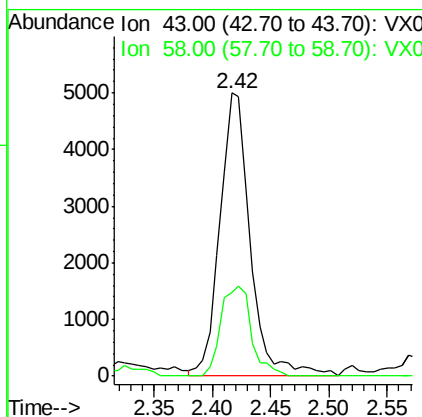
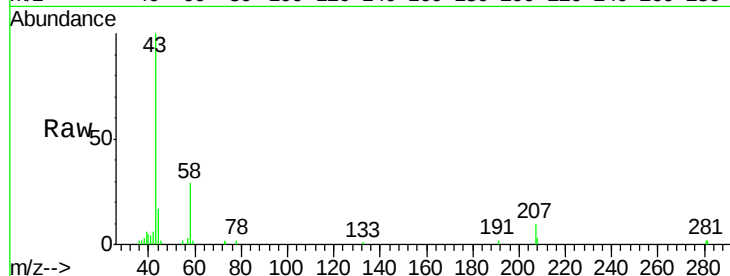
#16
Acetone
Concen: 5.820 ug/l
RT: 2.42 min Scan# 218
Delta R.T. -0.01 min
Lab File: VX016309.D
Acq: 18 May 2020 19:34

Instrument :
MSVOA_X
ClientSampleId :
WP021MW037-200514

Tot Ion: 43 Resp: 9018
Ion Ratio Lower Upper
43 100
58 29.4 25.4 38.0

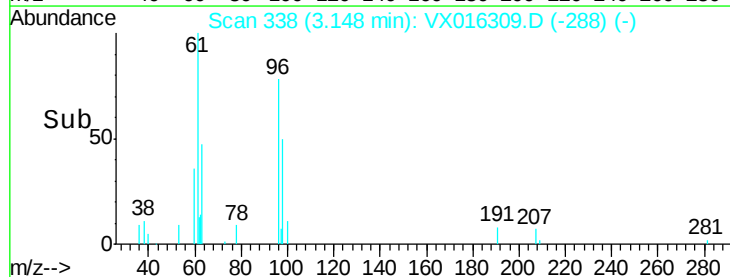
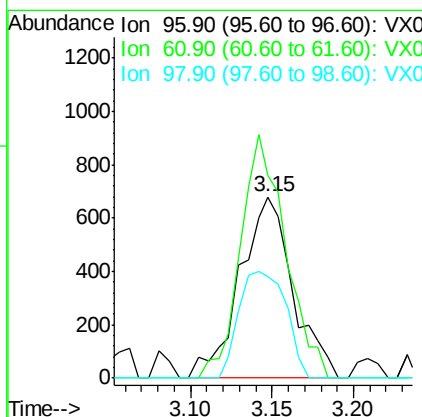
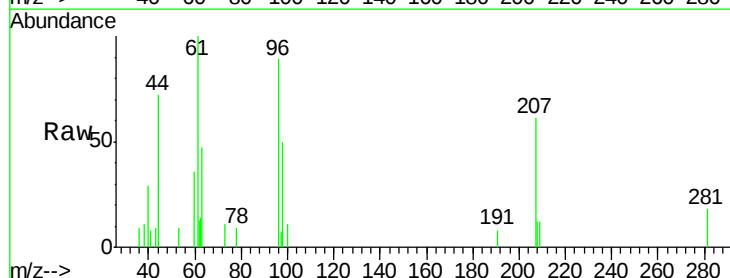
Manual Integrations
APPROVED

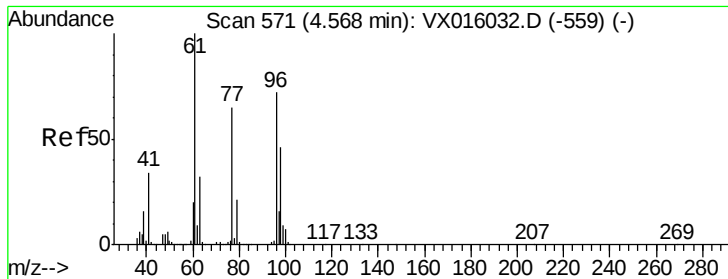
MMDadoda
5/19/2020 2:27:09 PM



#21
trans-1,2-Dichloroethene
Concen: 0.502 ug/l
RT: 3.15 min Scan# 338
Delta R.T. 0.01 min
Lab File: VX016309.D
Acq: 18 May 2020 19:34

Tgt Ion: 96 Resp: 1535
Ion Ratio Lower Upper
96 100
61 112.1 111.2 166.8
98 55.9 50.2 75.4





#27

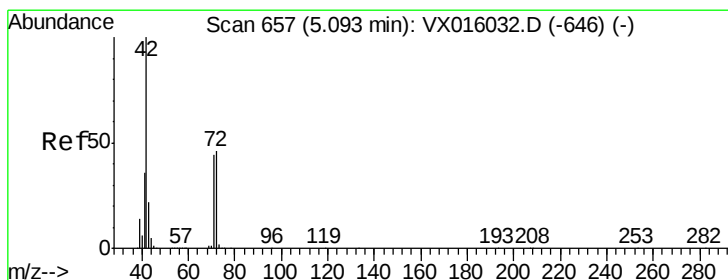
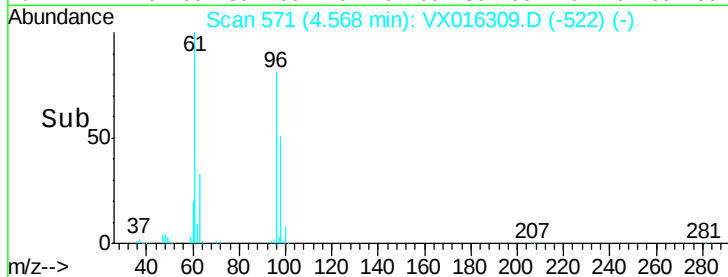
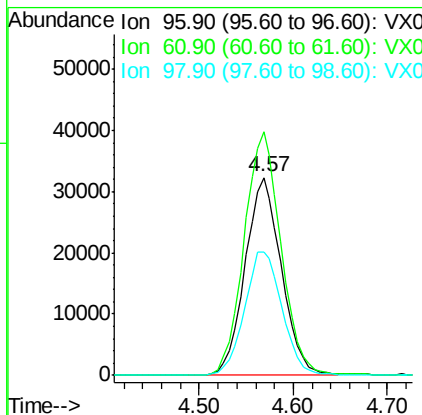
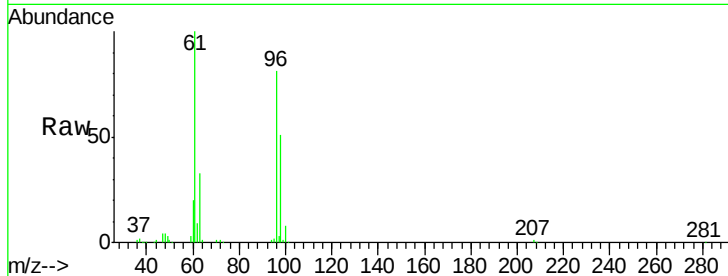
cis-1,2-Dichloroethene
Concen: 26.139 ug/l
RT: 4.57 min Scan# 571
Delta R.T. -0.00 min
Lab File: VX016309.D
Acq: 18 May 2020 19:34

Instrument :
MSVOA_X
ClientSampleId :
WP021MW037-200514

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	125.0	0.0	296.2	
98	64.7	0.0	129.4	

Manual Integrations
APPROVED

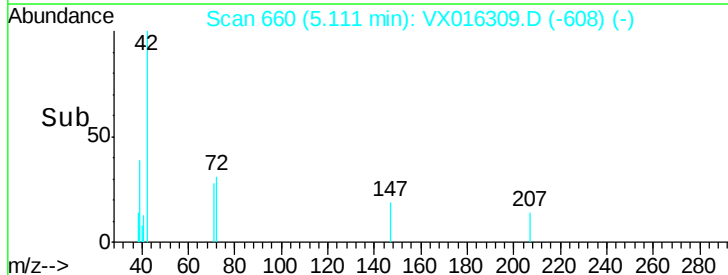
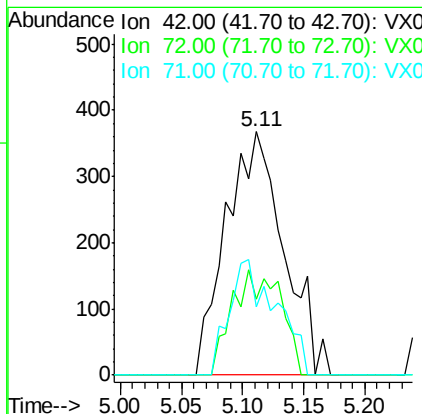
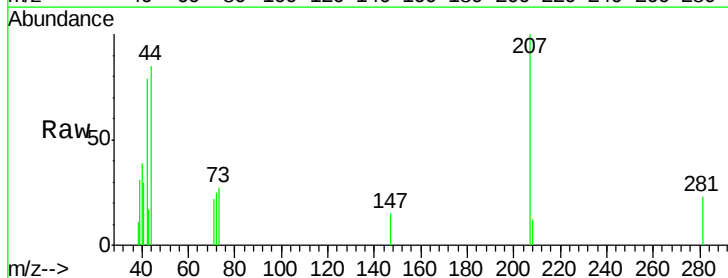
MMDadoda
5/19/2020 2:27:09 PM

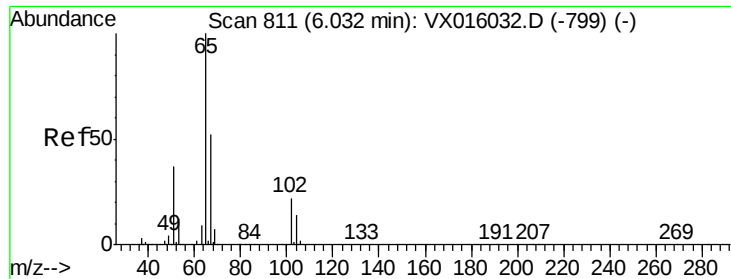


#29

Tetrahydrofuran
Concen: 0.734 ug/l
RT: 5.11 min Scan# 660
Delta R.T. 0.02 min
Lab File: VX016309.D
Acq: 18 May 2020 19:34

Tgt Ion	Ratio	Resp	Lower	Upper
42	100			
72	18.9	37.1	55.7#	
71	38.0	34.5	51.7	





#33

1,2-Dichloroethane-d4

Concen: 44.029 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX016309.D

Acq: 18 May 2020 19:34

Instrument :

MSVOA_X

ClientSampleId :

WP021MW037-200514

Tot Ion: 65 Resp: 152899

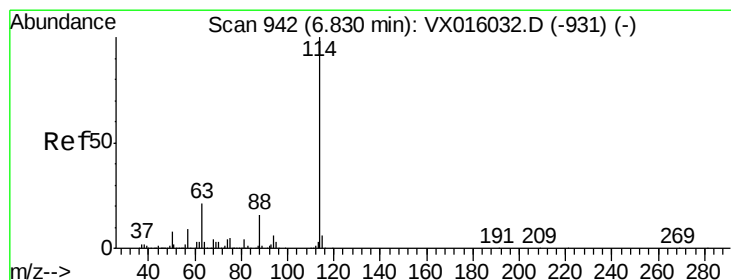
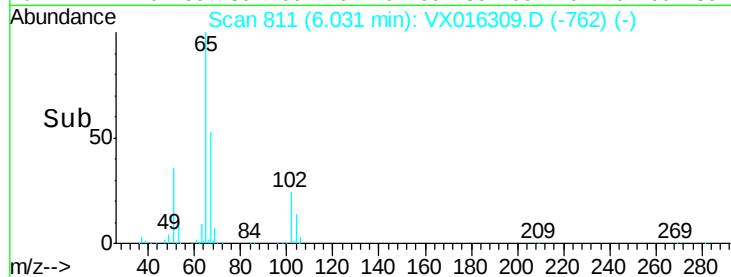
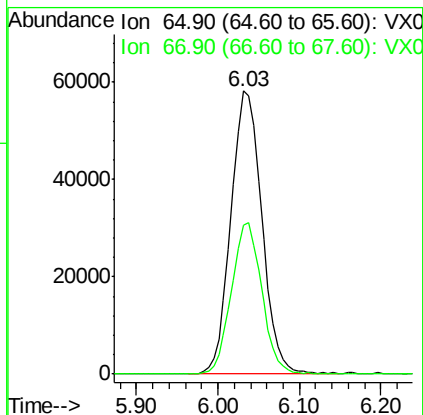
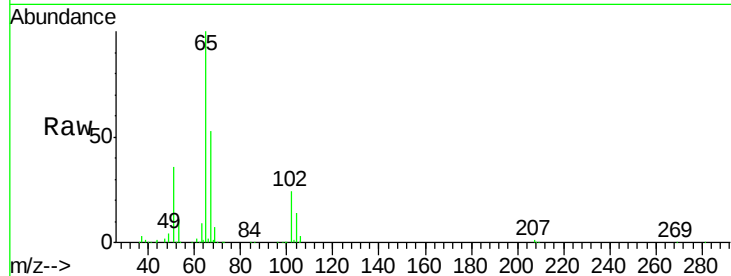
Ion Ratio Lower Upper

65 100

67 52.5 0.0 104.8

Manual Integrations
APPROVED

MMDadoda
5/19/2020 2:27:09 PM



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. -0.00 min

Lab File: VX016309.D

Acq: 18 May 2020 19:34

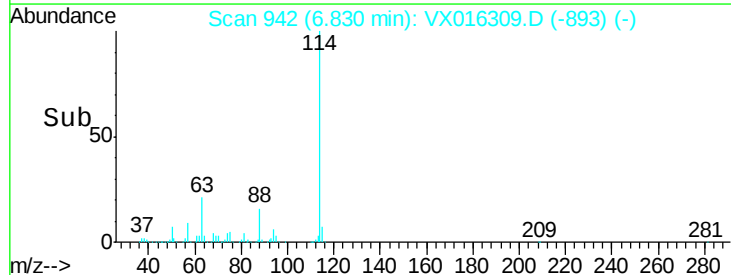
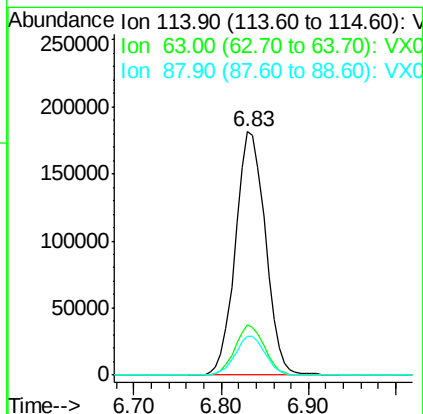
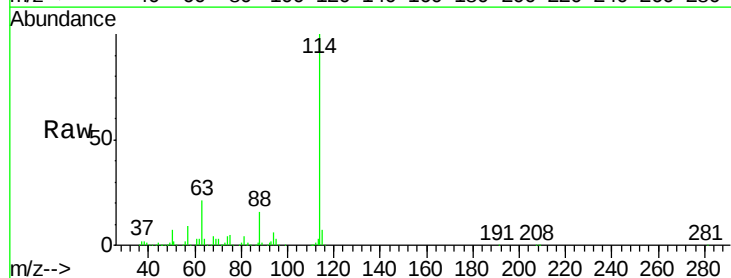
Tgt Ion: 114 Resp: 433433

Ion Ratio Lower Upper

114 100

63 20.8 0.0 42.8

88 16.1 0.0 31.4





#35

Dibromofluoromethane

Concen: 45.537 ug/l

RT: 5.47 min Scan# 719

Delta R.T. -0.00 min

Lab File: VX016309.D

Acq: 18 May 2020 19:34

Instrument :

MSVOA_X

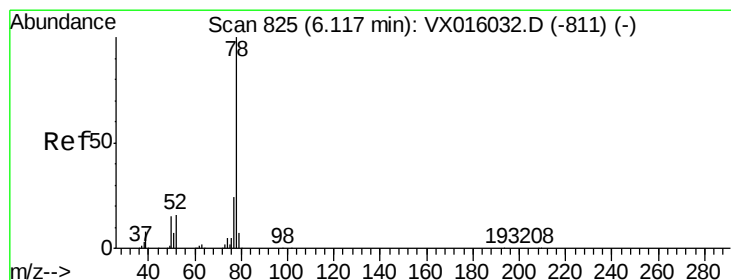
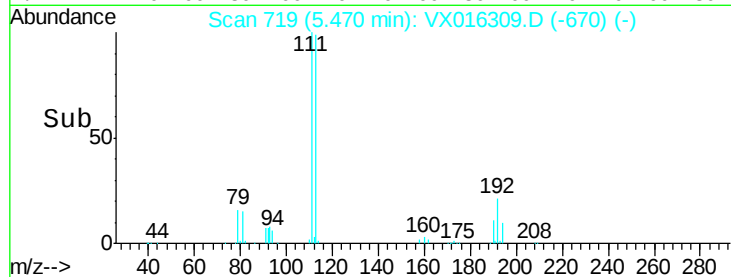
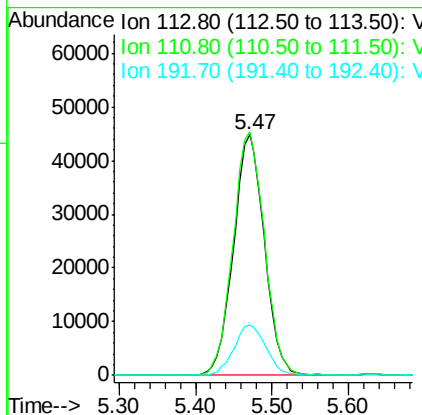
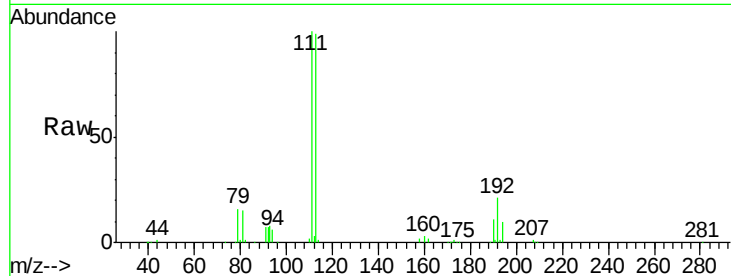
ClientSampleId :

WP021MW037-200514

Tot Ion:	113	Resp:	125043
Ion Ratio	Lower	Upper	
113	100		
111	103.2	81.6	122.4
192	21.7	17.0	25.4

Manual Integrations
APPROVED

MMDadoda
5/19/2020 2:27:09 PM



#40

Benzene

Concen: 0.457 ug/l

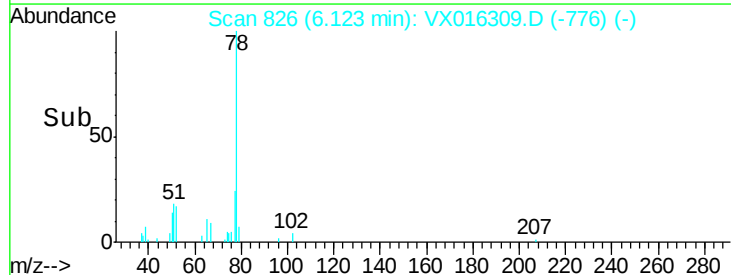
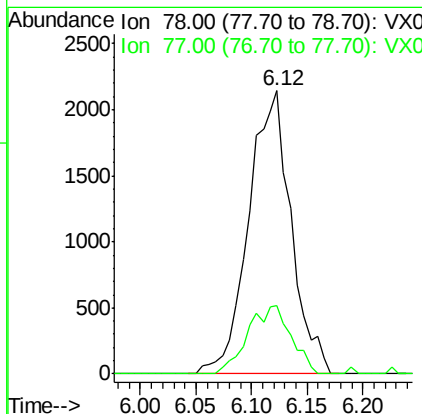
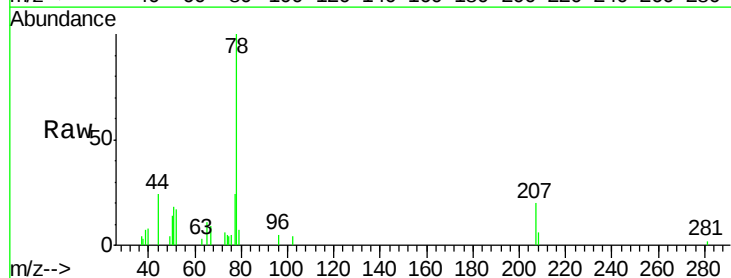
RT: 6.12 min Scan# 826

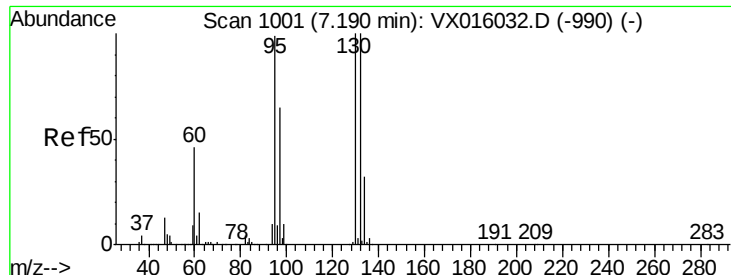
Delta R.T. 0.01 min

Lab File: VX016309.D

Acq: 18 May 2020 19:34

Tgt Ion:	78	Resp:	5707
Ion Ratio	Lower	Upper	
78	100		
77	24.3	19.0	28.4





#44

Trichloroethene

Concen: 3.292 ug/l

RT: 7.19 min Scan# 1001

Delta R.T. -0.00 min

Lab File: VX016309.D

Acq: 18 May 2020 19:34

Instrument :

MSVOA_X

ClientSampleId :

WP021MW037-200514

Tot Ion:130 Resp: 14601

Ion Ratio Lower Upper

130 100

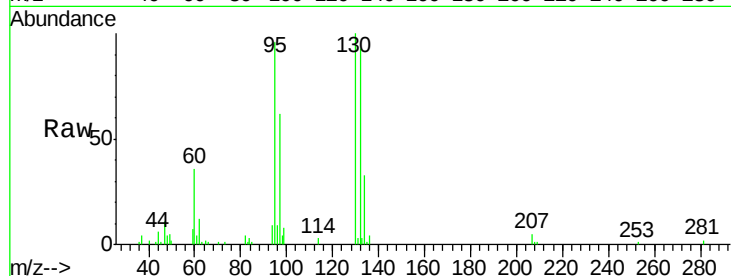
95 96.3 0.0 197.4

Manual Integrations

APPROVED

MMDadoda

5/19/2020 2:27:09 PM



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

7.19

8000

6000

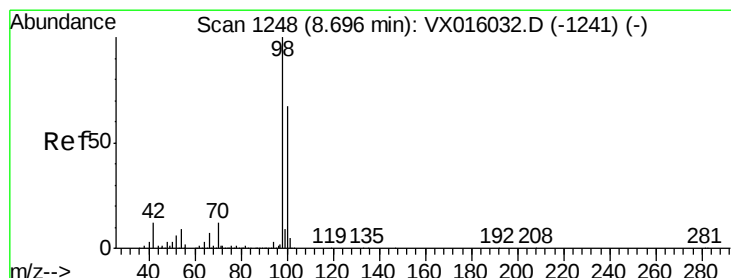
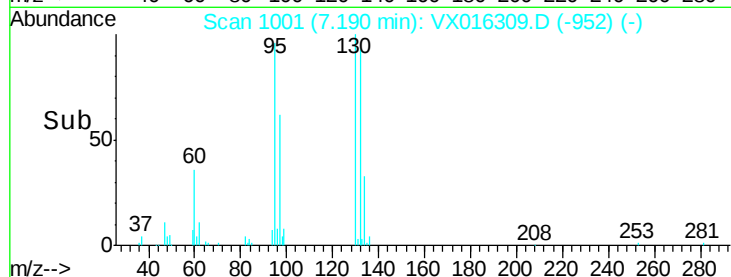
4000

2000

0

Time-->

7.10 7.15 7.20 7.25 7.30



#50

Toluene-d8

Concen: 49.483 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX016309.D

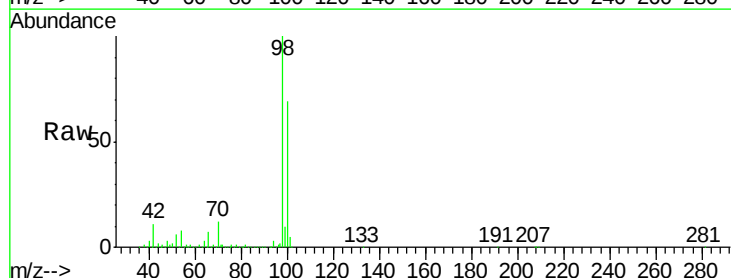
Acq: 18 May 2020 19:34

Tgt Ion: 98 Resp: 523551

Ion Ratio Lower Upper

98 100

100 67.9 53.7 80.5



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

8.70

400000

300000

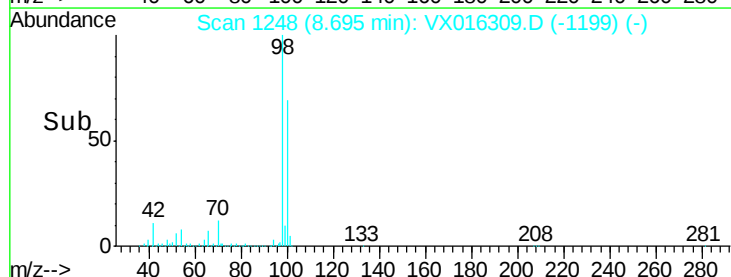
200000

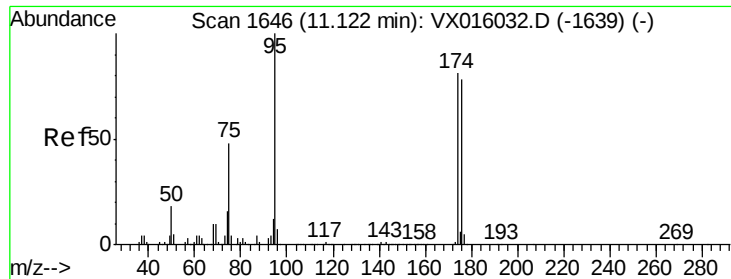
100000

0

Time-->

8.60 8.70 8.80





#62

4-Bromofluorobenzene

Concen: 53.925 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX016309.D

Acq: 18 May 2020 19:34

Instrument :

MSVOA_X

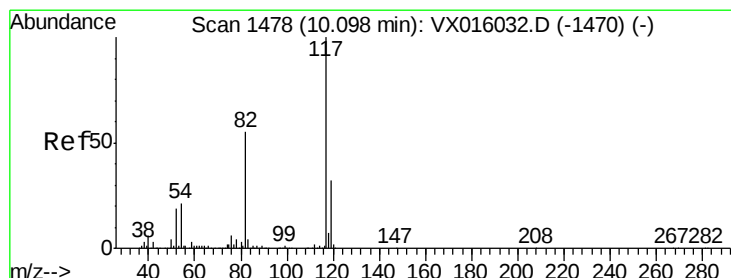
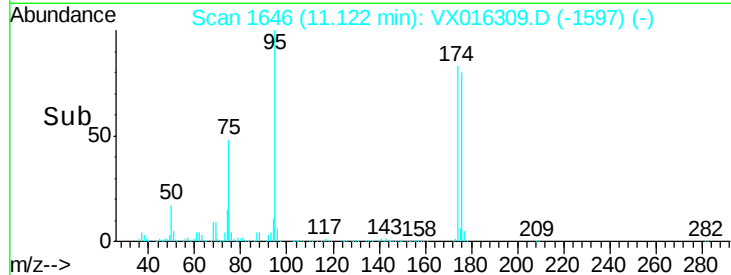
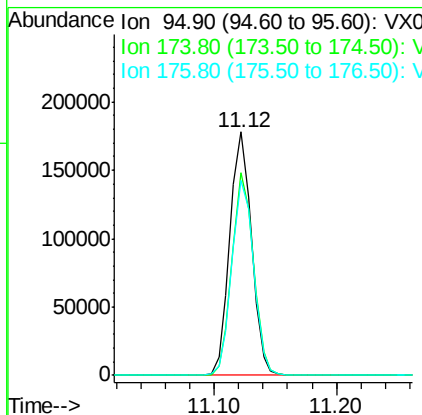
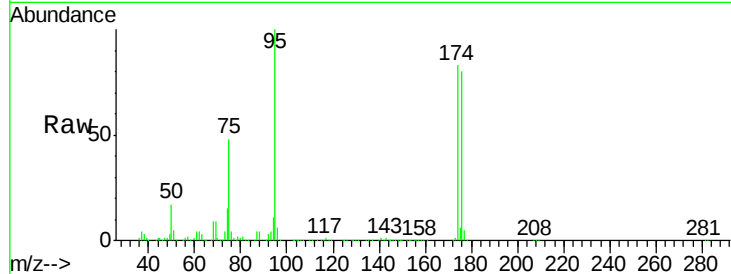
ClientSampleId :

WP021MW037-200514

Tot Ion:	95	Resp:	217010
Ion Ratio	Lower	Upper	
95	100		
174	82.4	0.0	159.4
176	80.7	0.0	157.6

Manual Integrations
APPROVED

MMDadoda
5/19/2020 2:27:09 PM



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

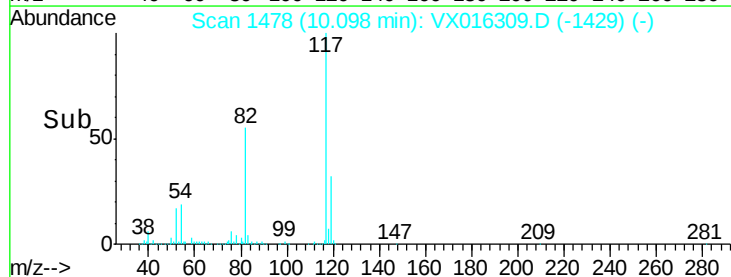
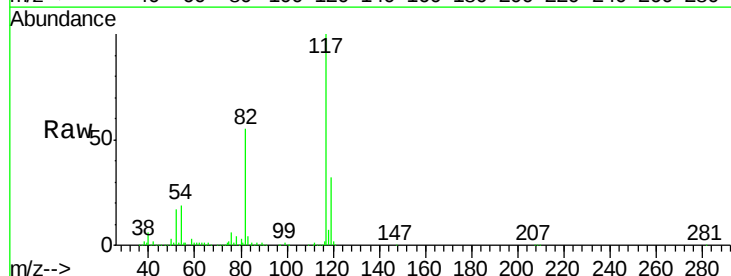
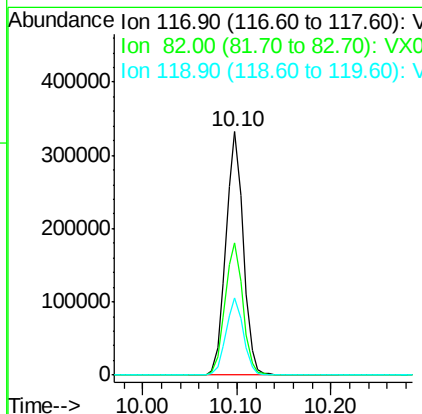
RT: 10.10 min Scan# 1478

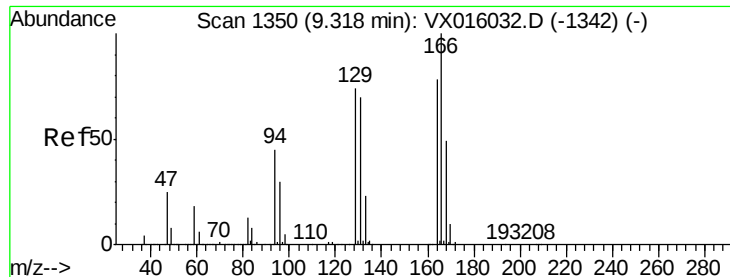
Delta R.T. -0.00 min

Lab File: VX016309.D

Acq: 18 May 2020 19:34

Tgt Ion:	117	Resp:	427288
Ion Ratio	Lower	Upper	
117	100		
82	54.5	44.4	66.6
119	31.7	25.5	38.3





#64

Tetrachloroethene

Concen: 0.890 ug/l

RT: 9.32 min Scan# 1350

Delta R.T. -0.00 min

Lab File: VX016309.D

Acq: 18 May 2020 19:34

Instrument :

MSVOA_X

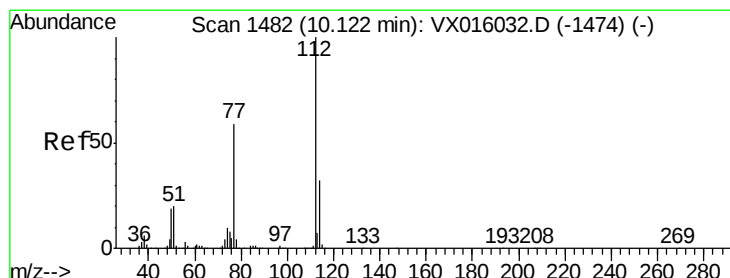
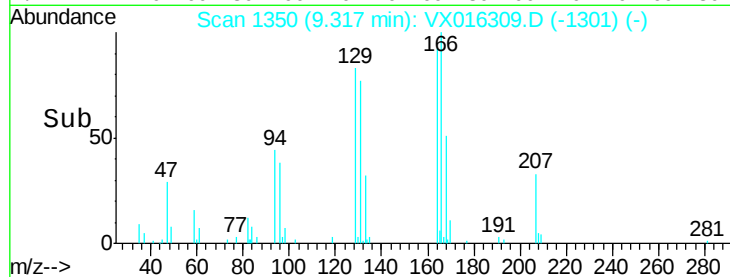
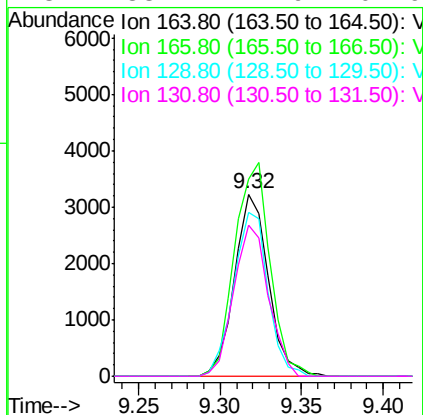
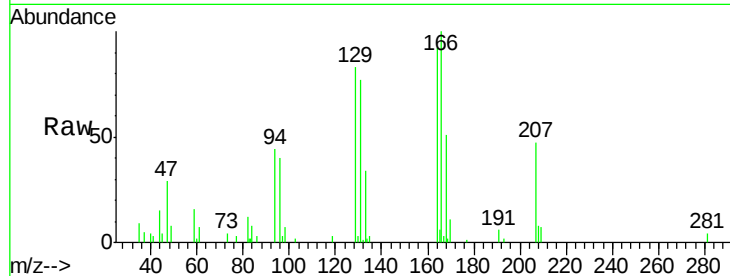
ClientSampleId :

WP021MW037-200514

Tot Ion:	164	Resp:	4666
Ion	Ratio	Lower	Upper
164	100		
166	108.4	102.9	154.3
129	90.1	76.1	114.1
131	83.1	71.9	107.9

Manual Integrations
APPROVED

MMDadoda
5/19/2020 2:27:09 PM



#65

Chlorobenzene

Concen: 15.749 ug/l

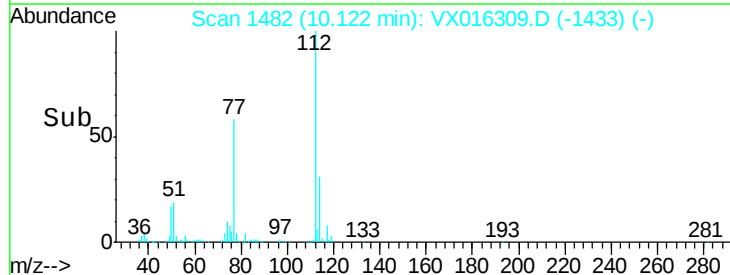
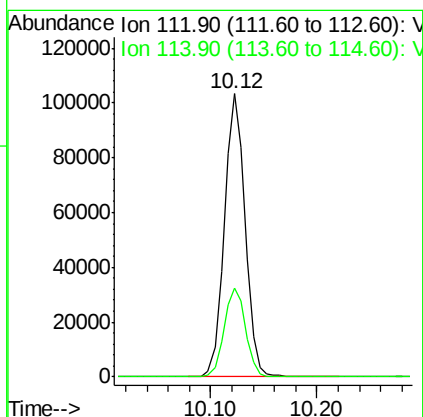
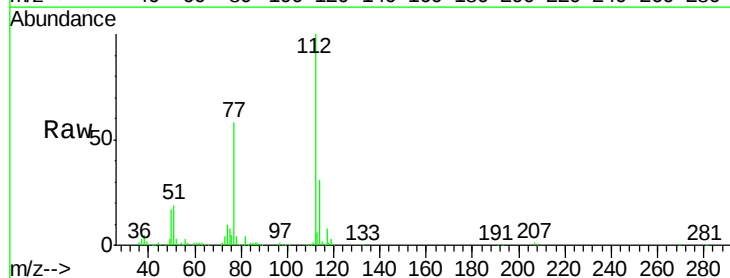
RT: 10.12 min Scan# 1482

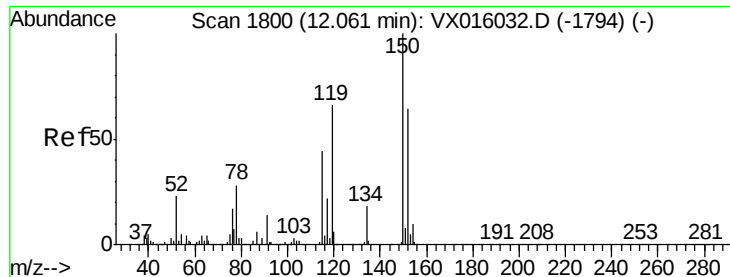
Delta R.T. -0.00 min

Lab File: VX016309.D

Acq: 18 May 2020 19:34

Tgt Ion:	112	Resp:	140903
Ion	Ratio	Lower	Upper
112	100		
114	31.5	25.7	38.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1801

Delta R.T. 0.01 min

Lab File: VX016309.D

Acq: 18 May 2020 19:34

Instrument :

MSVOA_X

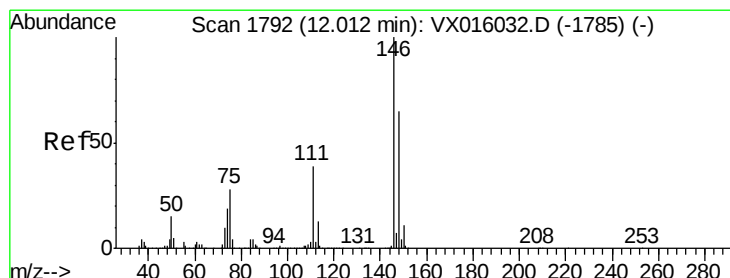
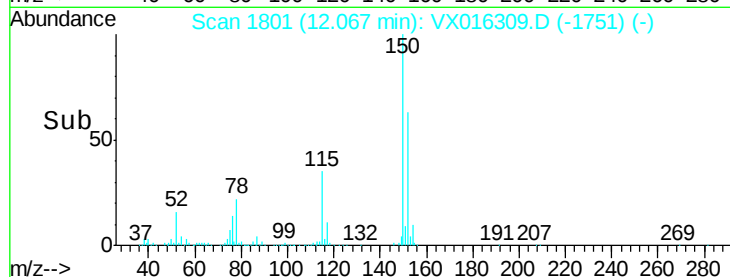
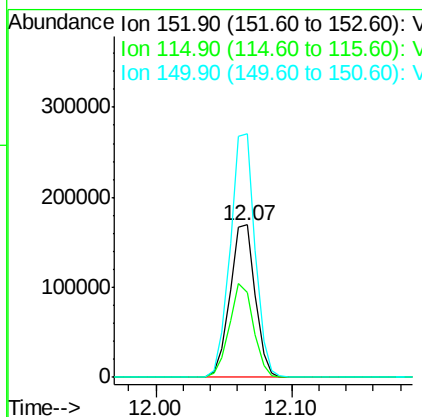
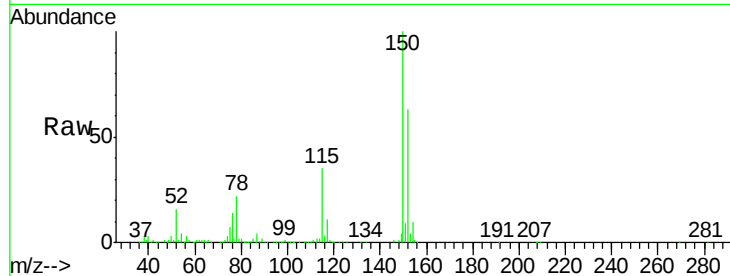
ClientSampleId :

WP021MW037-200514

Tot Ion:	152	Resp:	217661
Ion Ratio	Lower	Upper	
152	100		
115	59.4	41.3	124.1
150	157.9	0.0	352.2

Manual Integrations
APPROVED

MMDadoda
5/19/2020 2:27:09 PM



#87

1,3-Dichlorobenzene

Concen: 0.487 ug/l

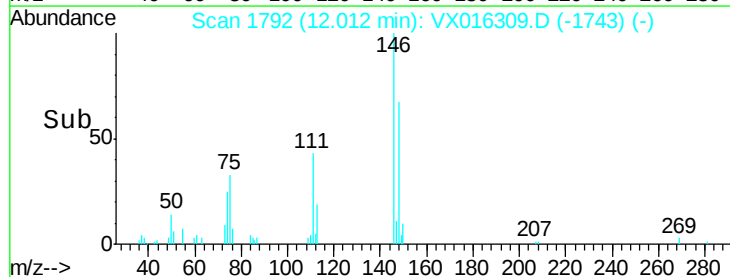
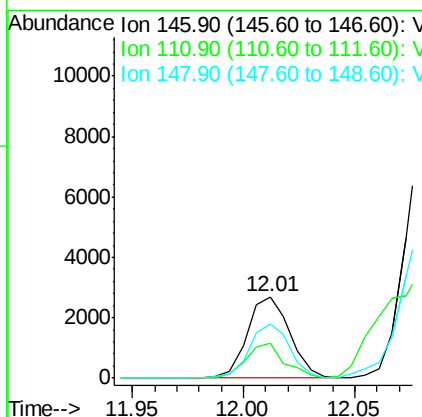
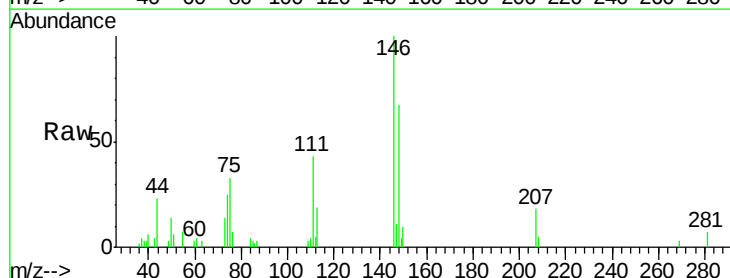
RT: 12.01 min Scan# 1792

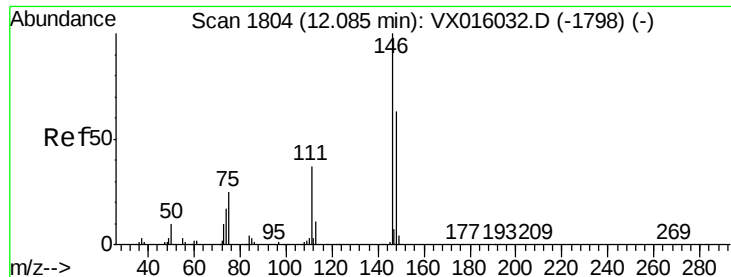
Delta R.T. -0.00 min

Lab File: VX016309.D

Acq: 18 May 2020 19:34

Tgt Ion:	146	Resp:	3576
Ion Ratio	Lower	Upper	
146	100		
111	38.8	20.2	60.6
148	63.5	32.1	96.3





#88

1,4-Dichlorobenzene

Concen: 1.385 ug/l m

RT: 12.08 min Scan# 1803

Delta R.T. -0.01 min

Lab File: VX016309.D

Acq: 18 May 2020 19:34

Instrument :

MSVOA_X

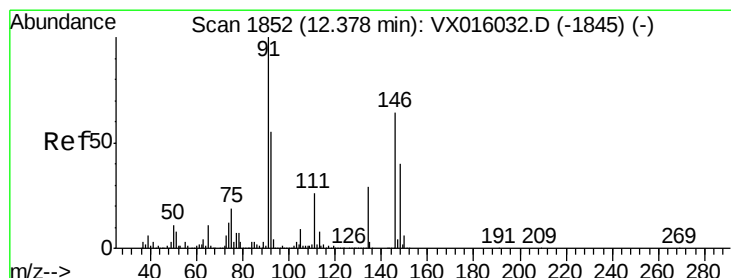
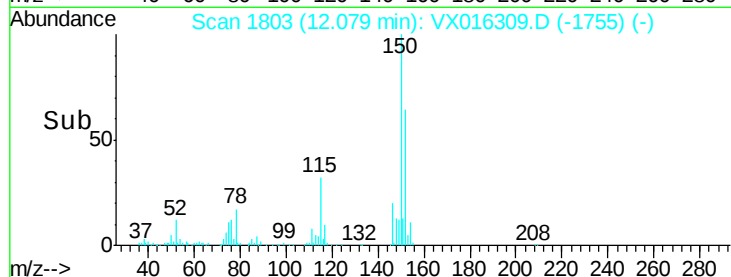
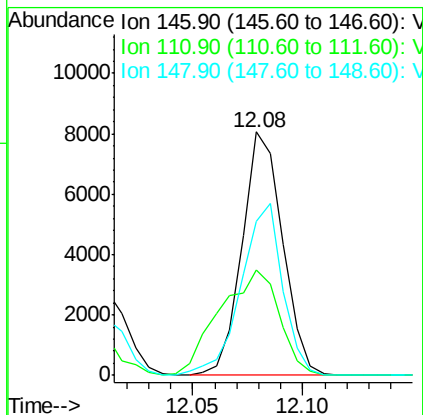
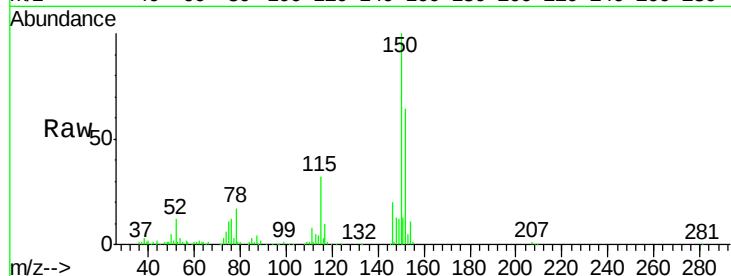
ClientSampleId :

WP021MW037-200514

Tot Ion:	146	Resp:	10311
Ion Ratio	Lower	Upper	
146	100		
111	13.5	19.6	58.7#
148	22.0	31.8	95.3#

Manual Integrations
APPROVED

MMDadoda
5/19/2020 2:27:09 PM



#91

1,2-Dichlorobenzene

Concen: 1.647 ug/l

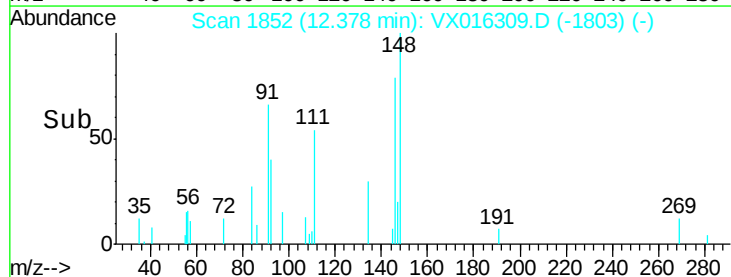
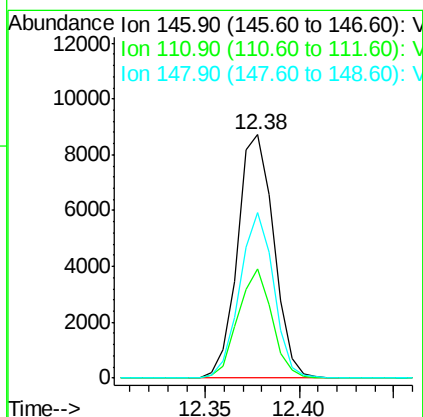
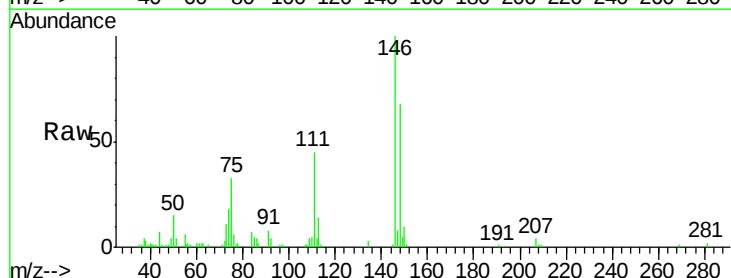
RT: 12.38 min Scan# 1852

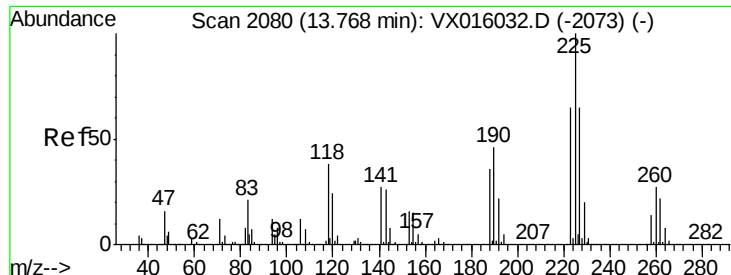
Delta R.T. -0.00 min

Lab File: VX016309.D

Acq: 18 May 2020 19:34

Tgt Ion:	146	Resp:	11639
Ion Ratio	Lower	Upper	
146	100		
111	41.9	21.1	63.1
148	64.0	32.4	97.0





#94
 Hexachlorobutadiene
 Concen: 0.733 ug/l
 RT: 13.76 min Scan# 2079
 Delta R.T. -0.01 min
 Lab File: VX016309.D
 Acq: 18 May 2020 19:34

Instrument :
 MSVOA_X
 ClientSampleId :
 WP021MW037-200514

Tot Ion:	225	Resp:	477
Ion Ratio		Lower	Upper
225	100		
223	79.5	32.3	96.9
227	66.2	31.8	95.4

Manual Integrations
 APPROVED

MMDadoda
 5/19/2020 2:27:09 PM

