

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX051920\
 Data File : VX016334.D
 Acq On : 19 May 2020 15:05
 Operator : JC/SP
 Sample : L2672-14
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 Z2-DUP-0559-200514

Manual Integrations
 APPROVED

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 5/21/2020 1:12:02 PM

Quant Time: May 20 06:36:56 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	241706	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	400231	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	389674	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	199406	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.03	65	141090	44.36	ug/l	0.00
Spiked Amount 50.000			Recovery	=	88.72%	
35) Dibromofluoromethane	5.46	113	116388	45.90	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.80%	
50) Toluene-d8	8.70	98	490236	50.18	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.36%	
62) 4-Bromofluorobenzene	11.12	95	196366	52.84	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.68%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.32	50	1058	0.356	ug/l	98
4) Vinyl Chloride	1.39	62	25846	8.154	ug/l	99
12) 1,1-Dichloroethene	2.36	96	1562	0.622	ug/l	89
16) Acetone	2.42	43	6833	4.815	ug/l	97
21) trans-1,2-Dichloroethene	3.15	96	1255	0.448	ug/l #	72
27) cis-1,2-Dichloroethene	4.57	96	78060	25.501	ug/l	86
40) Benzene	6.11	78	5411	0.469	ug/l #	90
44) Trichloroethene	7.20	130	12944	3.161	ug/l	93
64) Tetrachloroethene	9.32	164	4411	0.922	ug/l	92
65) Chlorobenzene	10.12	112	120665	14.789	ug/l	98
87) 1,3-Dichlorobenzene	12.01	146	2774	0.413	ug/l	94
88) 1,4-Dichlorobenzene	12.08	146	9025m	1.323	ug/l	
91) 1,2-Dichlorobenzene	12.38	146	10079	1.557	ug/l	98

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

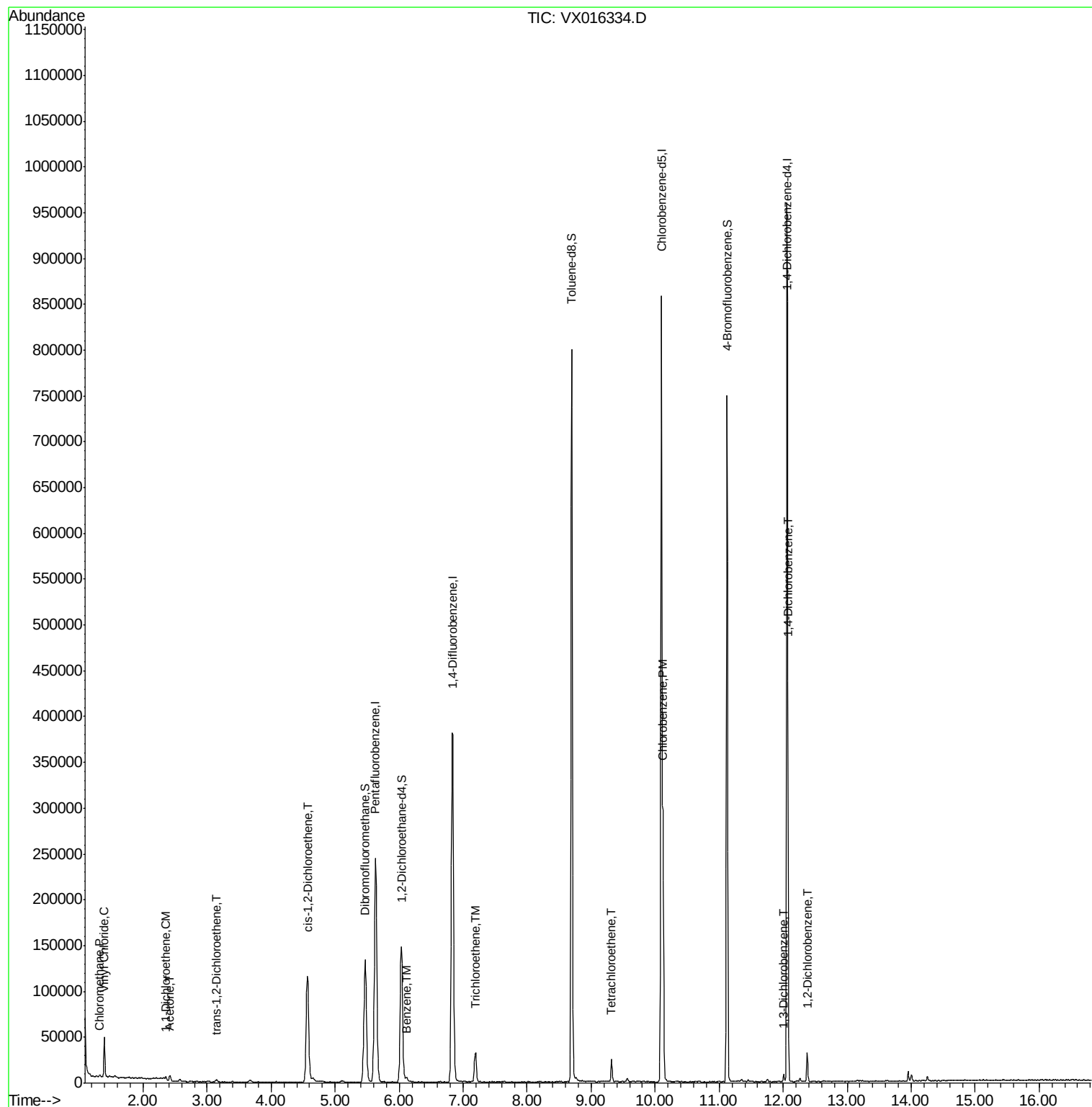
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX051920\
Data File : VX016334.D
Acq On : 19 May 2020 15:05
Operator : JC/SP
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Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 14 Sample Multiplier: 1

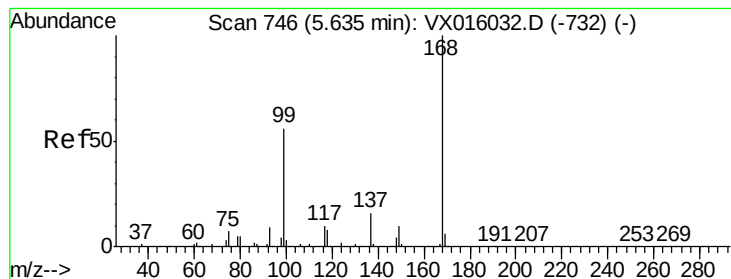
Instrument :
MSVOA_X
ClientSampleId :
Z2-DUP-0559-200514

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5/21/2020 1:12:02 PM

Quant Time: May 20 06:36:56 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: VX016334.D

Acq: 19 May 2020 15:05

Instrument :

MSVOA_X

ClientSampleId :

Z2-DUP-0559-200514

Tot Ion:168 Resp: 241706

Ion Ratio Lower Upper

168 100

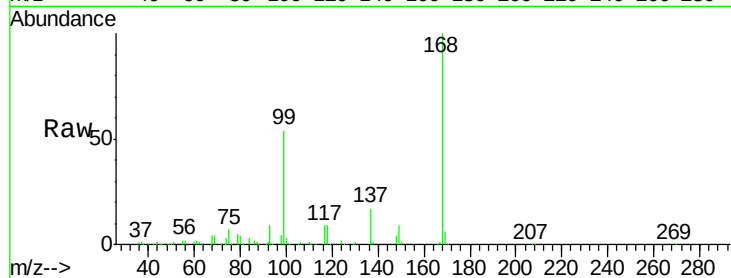
99 54.2 45.0 67.4

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

80000

60000

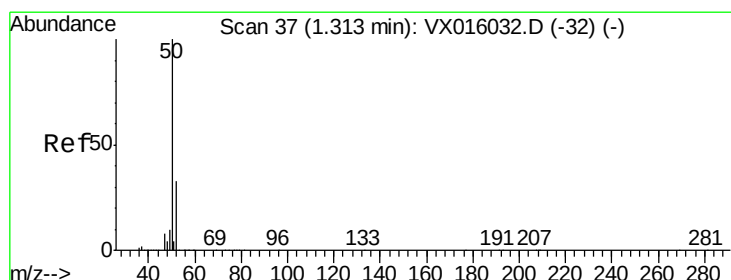
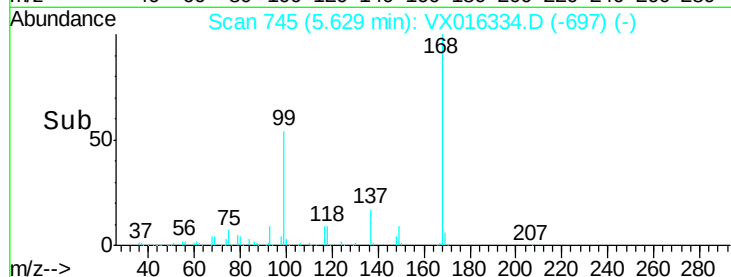
40000

20000

0

5.50 5.60 5.70 5.80

Time-->



#3

Chloromethane

Concen: 0.356 ug/l

RT: 1.32 min Scan# 38

Delta R.T. 0.01 min

Lab File: VX016334.D

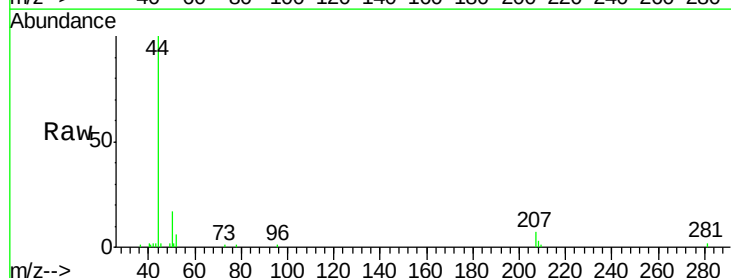
Acq: 19 May 2020 15:05

Tgt Ion: 50 Resp: 1058

Ion Ratio Lower Upper

50 100

52 34.0 26.1 39.1



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

1000

800

600

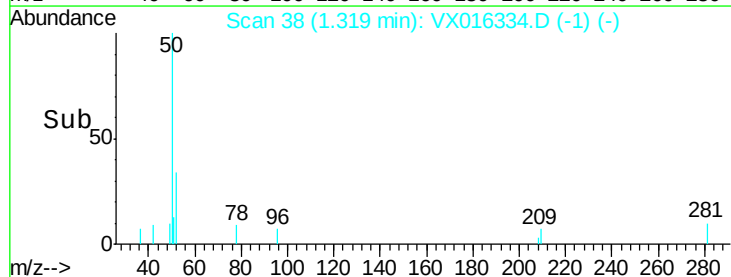
400

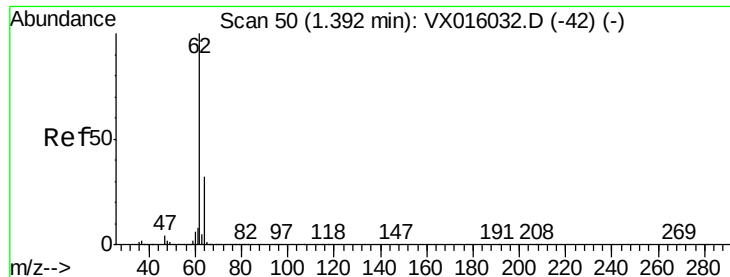
200

0

1.30 1.35

Time-->





#4

Vinyl Chloride

Concen: 8.154 ug/l

RT: 1.39 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX016334.D

Acq: 19 May 2020 15:05

Instrument :

MSVOA_X

ClientSampleId :

Z2-DUP-0559-200514

Tot Ion: 62 Resp: 25846

Ion Ratio Lower Upper

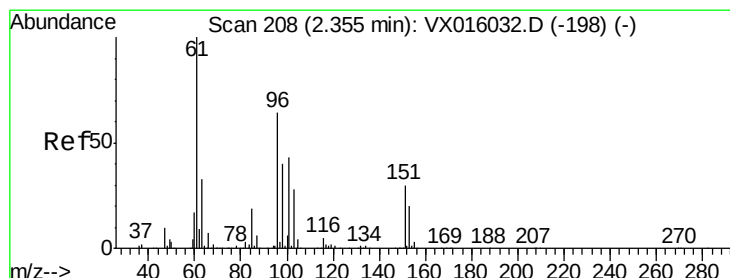
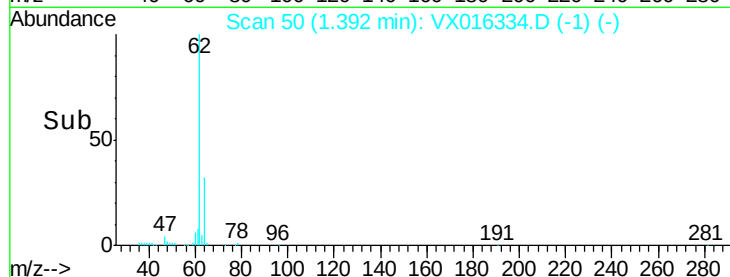
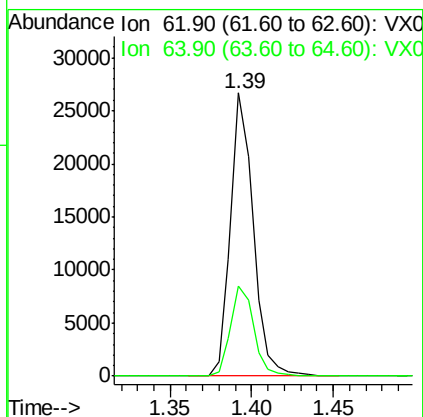
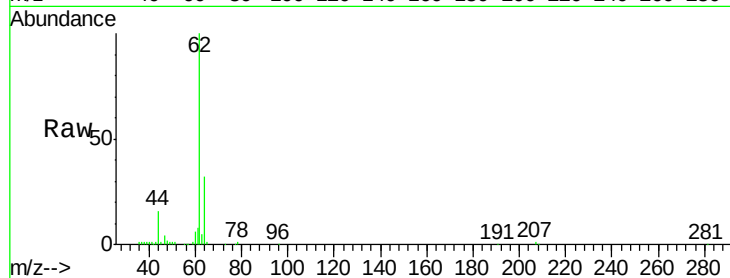
62 100

64 31.7 25.7 38.5

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#12

1,1-Dichloroethene

Concen: 0.622 ug/l

RT: 2.36 min Scan# 208

Delta R.T. -0.00 min

Lab File: VX016334.D

Acq: 19 May 2020 15:05

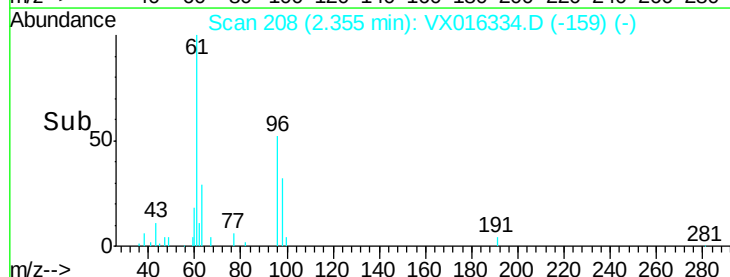
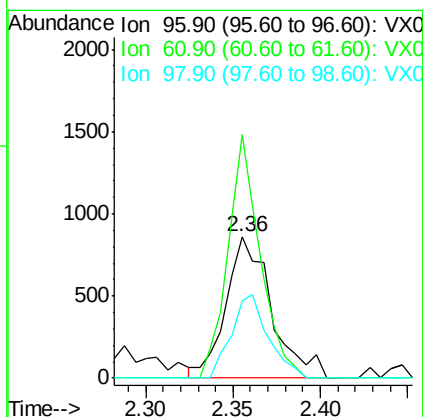
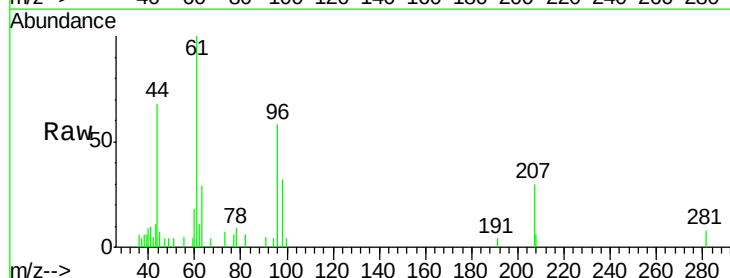
Tgt Ion: 96 Resp: 1562

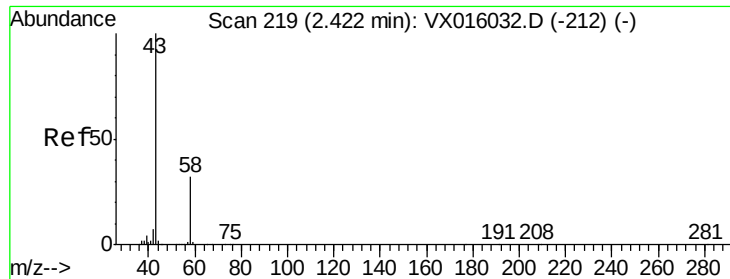
Ion Ratio Lower Upper

96 100

61 171.7 124.8 187.2

98 54.8 49.7 74.5





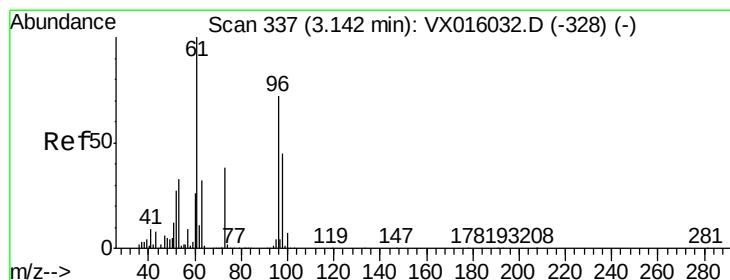
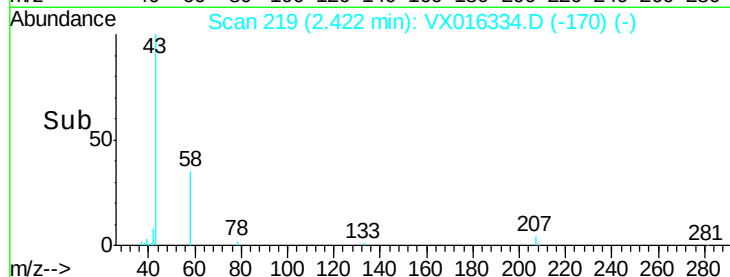
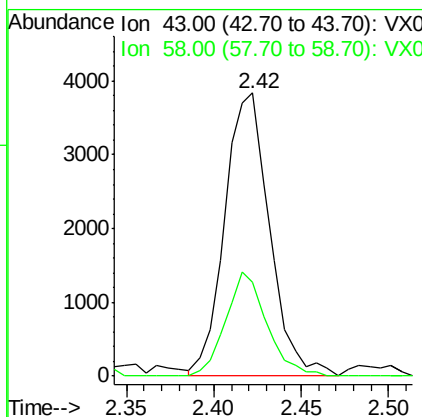
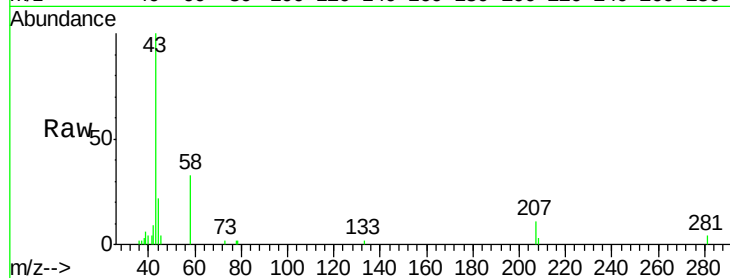
#16
Acetone
Concen: 4.815 ug/l
RT: 2.42 min Scan# 219
Delta R.T. -0.00 min
Lab File: VX016334.D
Acq: 19 May 2020 15:05

Instrument :
MSVOA_X
ClientSampleId :
Z2-DUP-0559-200514

Tot Ion: 43 Resp: 6833
Ion Ratio Lower Upper
43 100
58 33.2 25.4 38.0

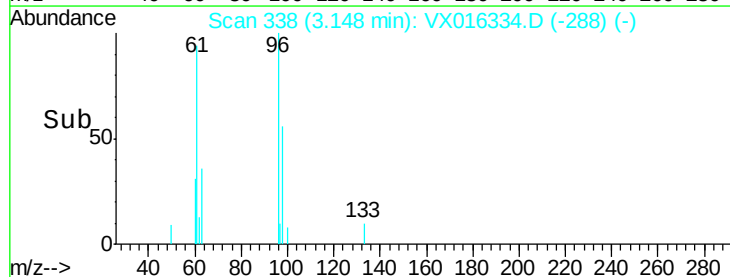
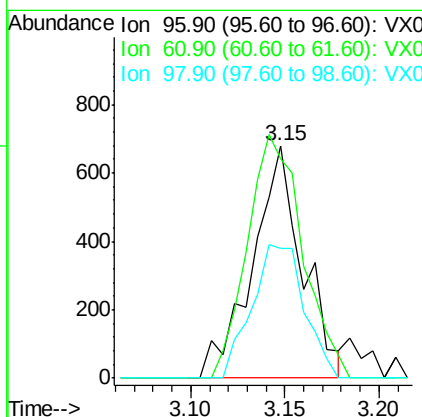
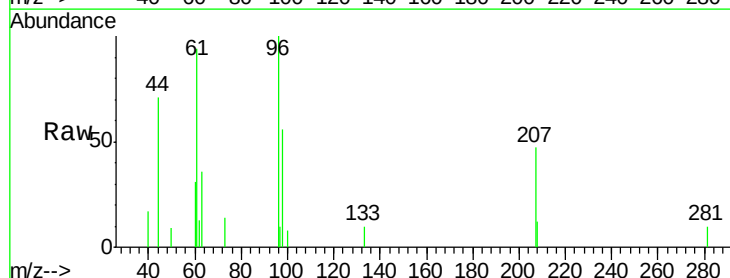
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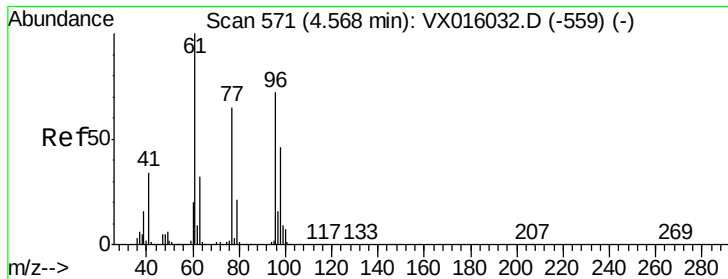
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#21
trans-1,2-Dichloroethene
Concen: 0.448 ug/l
RT: 3.15 min Scan# 338
Delta R.T. 0.01 min
Lab File: VX016334.D
Acq: 19 May 2020 15:05

Tgt Ion: 96 Resp: 1255
Ion Ratio Lower Upper
96 100
61 94.1 111.2 166.8#
98 55.7 50.2 75.4





#27

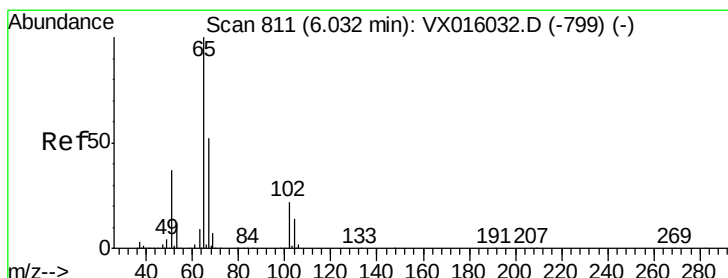
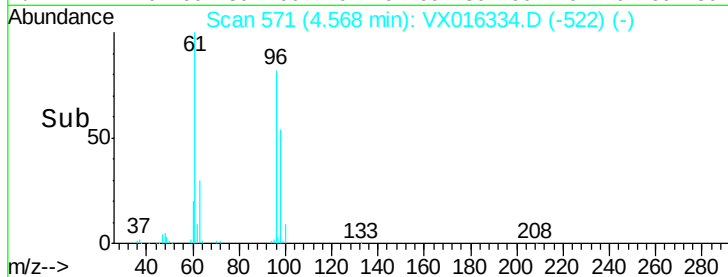
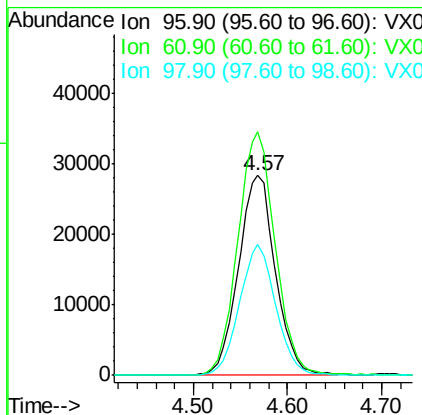
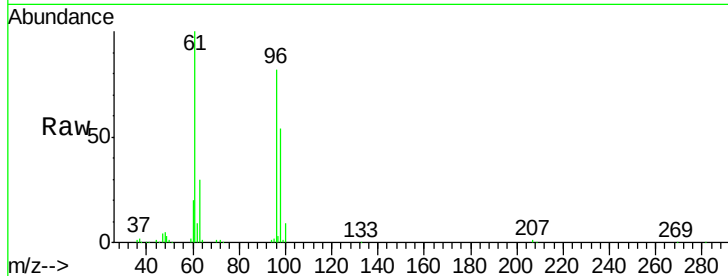
cis-1,2-Dichloroethene
Concen: 25.501 ug/l
RT: 4.57 min Scan# 571
Delta R.T. -0.00 min
Lab File: VX016334.D
Acq: 19 May 2020 15:05

Instrument :
MSVOA_X
ClientSampleId :
Z2-DUP-0559-200514

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	123.7	0.0	296.2	
98	64.2	0.0	129.4	

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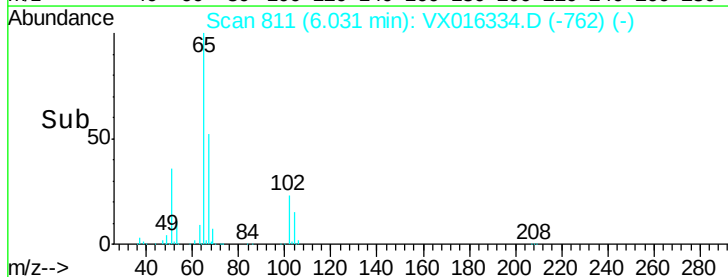
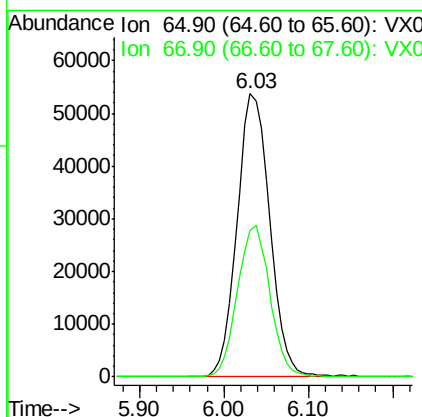
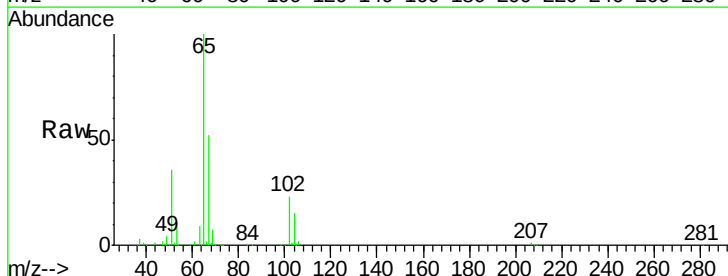
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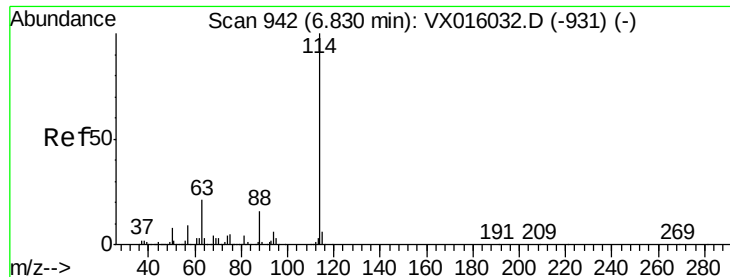


#33

1,2-Dichloroethane-d4
Concen: 44.360 ug/l
RT: 6.03 min Scan# 811
Delta R.T. -0.00 min
Lab File: VX016334.D
Acq: 19 May 2020 15:05

Tgt Ion	Ratio	Resp	Lower	Upper
65	100			
67	53.2	0.0	104.8	





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 943

Delta R.T. 0.01 min

Lab File: VX016334.D

Acq: 19 May 2020 15:05

Instrument :

MSVOA_X

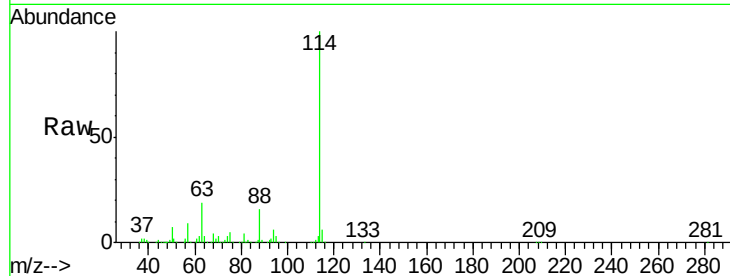
ClientSampleId :

Z2-DUP-0559-200514

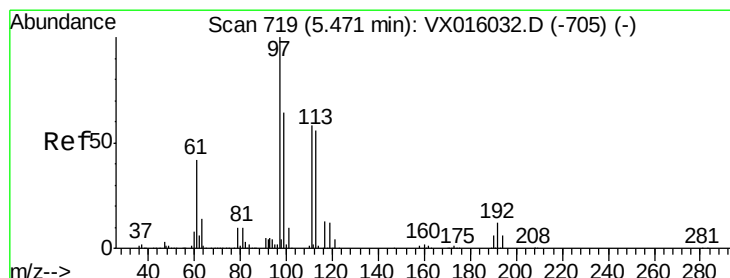
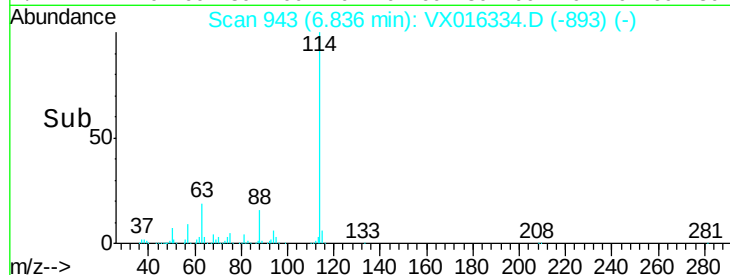
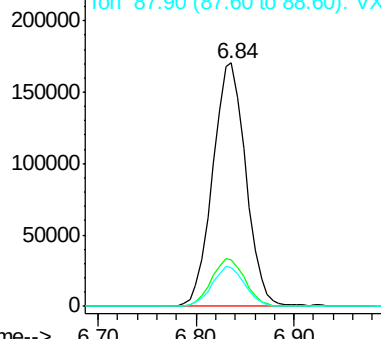
Tot Ion:	114	Resp:	400231
Ion Ratio	Lower	Upper	
114	100		
63	19.3	0.0	42.8
88	15.8	0.0	31.4

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Abundance Ion 113.90 (113.60 to 114.60): V



#35

Dibromofluoromethane

Concen: 45.901 ug/l

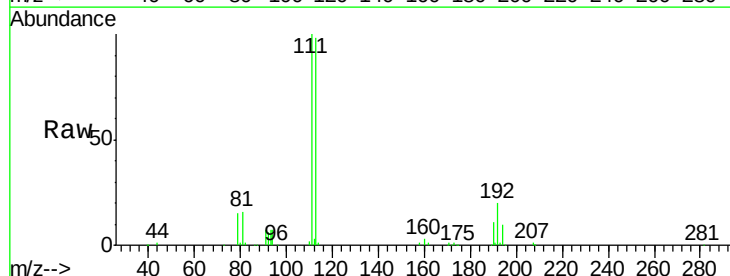
RT: 5.46 min Scan# 718

Delta R.T. -0.01 min

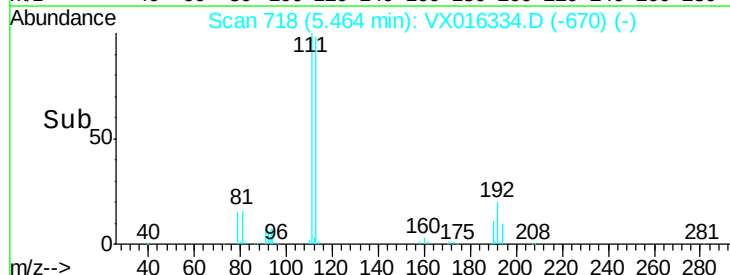
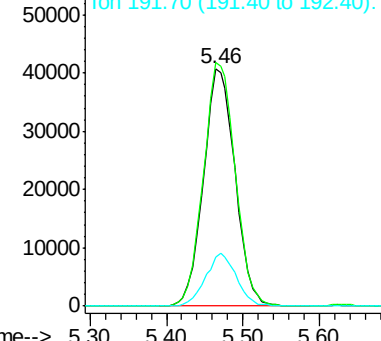
Lab File: VX016334.D

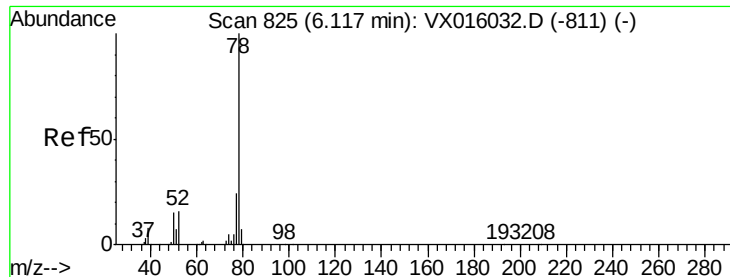
Acq: 19 May 2020 15:05

Tgt Ion:	113	Resp:	116388
Ion Ratio	Lower	Upper	
113	100		
111	103.4	81.6	122.4
192	21.7	17.0	25.4



Abundance Ion 112.80 (112.50 to 113.50): V





#40

Benzene

Concen: 0.469 ug/l

RT: 6.11 min Scan# 824

Delta R.T. -0.01 min

Lab File: VX016334.D

Acq: 19 May 2020 15:05

Instrument :

MSVOA_X

ClientSampleId :

Z2-DUP-0559-200514

Tot Ion: 78 Resp: 5411

Ion Ratio Lower Upper

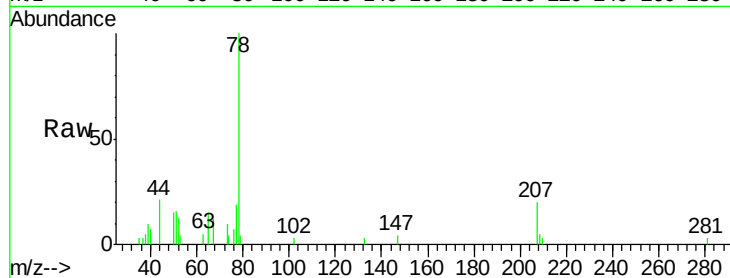
78 100

77 18.6 19.0 28.4#

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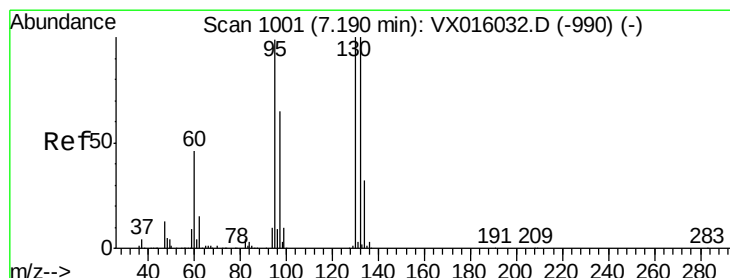
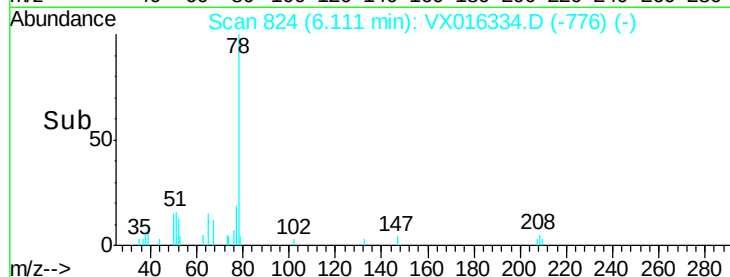
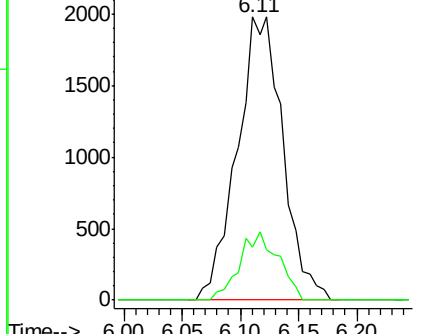
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Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0



#44

Trichloroethene

Concen: 3.161 ug/l

RT: 7.20 min Scan# 1002

Delta R.T. 0.01 min

Lab File: VX016334.D

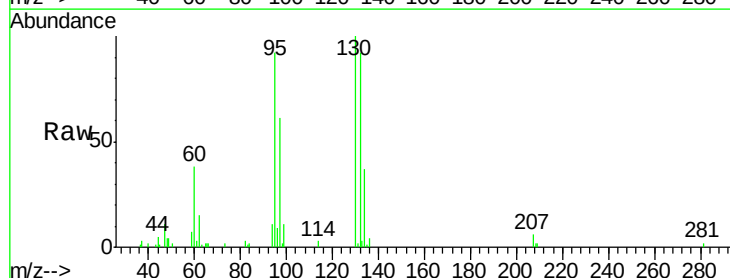
Acq: 19 May 2020 15:05

Tgt Ion: 130 Resp: 12944

Ion Ratio Lower Upper

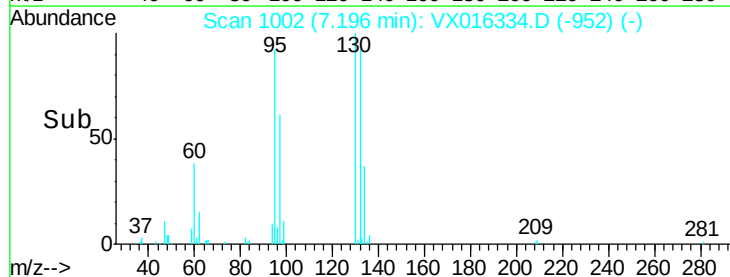
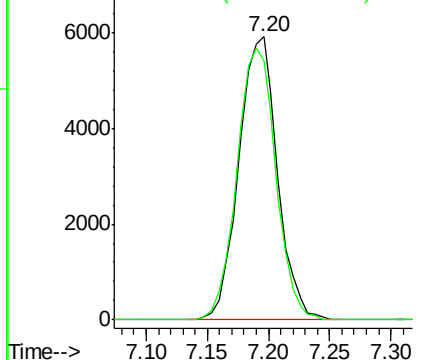
130 100

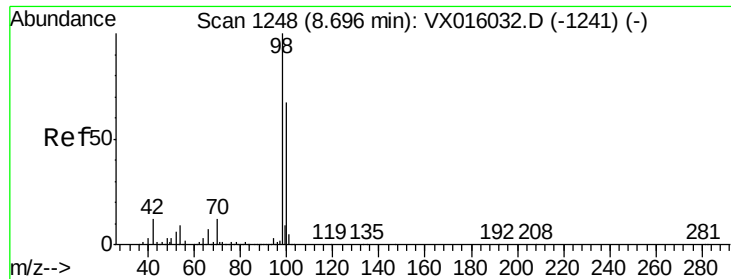
95 91.5 0.0 197.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





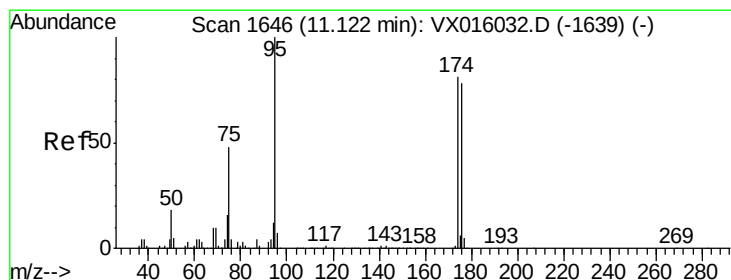
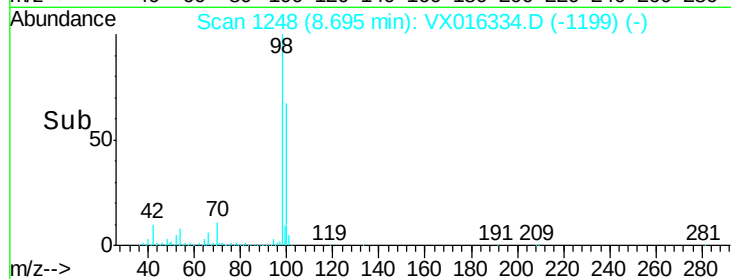
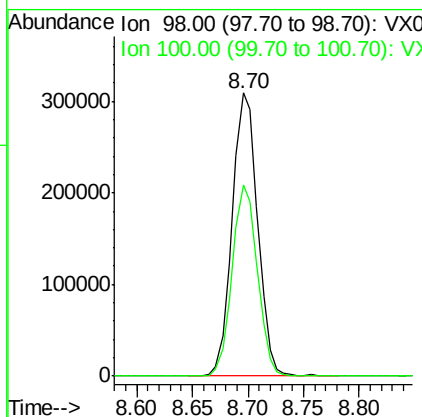
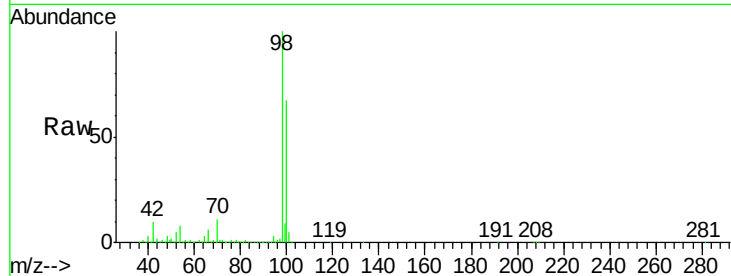
#50
Toluene-d8
Concen: 50.178 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX016334.D
Acq: 19 May 2020 15:05

Instrument :
MSVOA_X
ClientSampleId :
Z2-DUP-0559-200514

Tot Ion	Ratio	Lower	Upper
98	100		
100	66.9	53.7	80.5

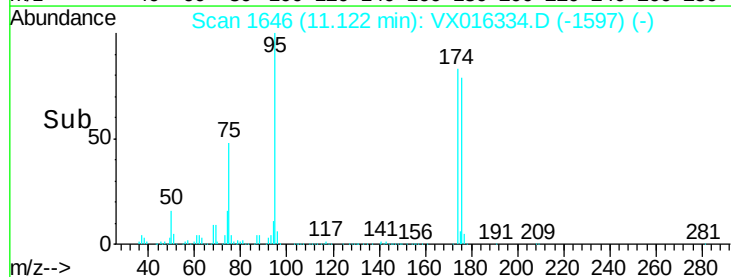
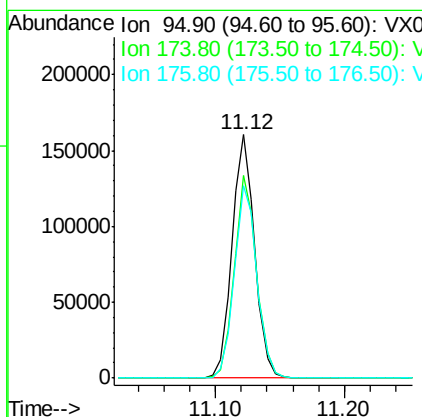
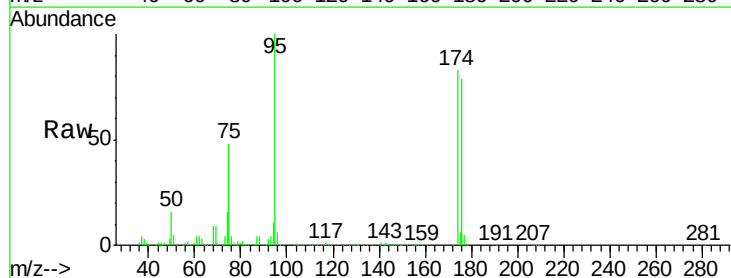
Manual Integrations
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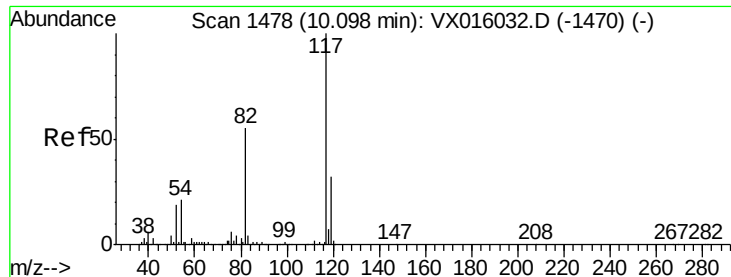
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#62
4-Bromofluorobenzene
Concen: 52.843 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX016334.D
Acq: 19 May 2020 15:05

Tgt Ion	Ratio	Lower	Upper
95	100		
174	81.8	0.0	159.4
176	79.2	0.0	157.6





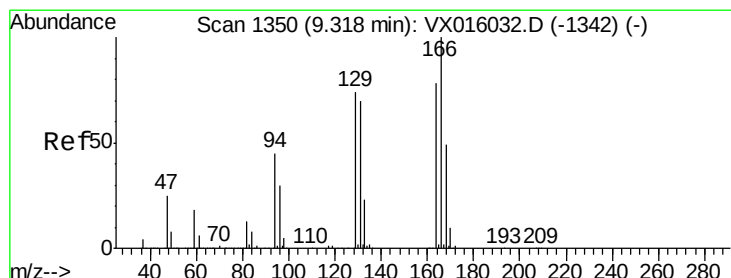
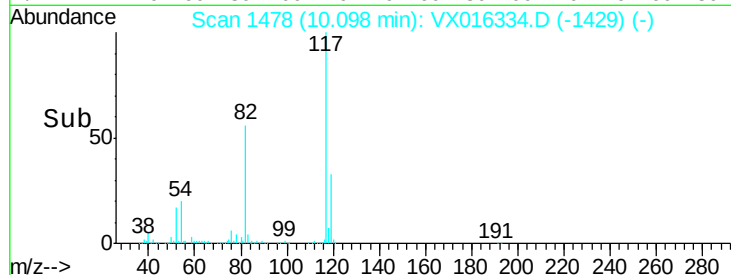
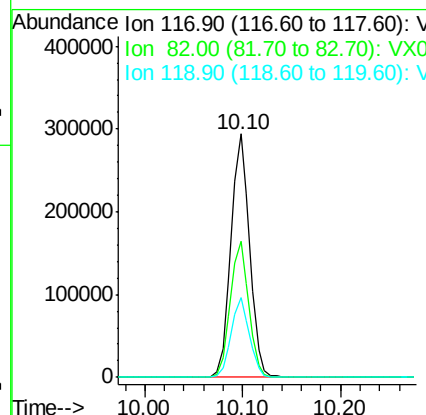
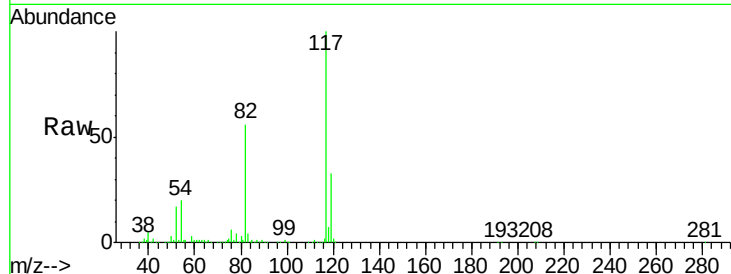
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX016334.D
Acq: 19 May 2020 15:05

Instrument :
MSVOA_X
ClientSampleId :
Z2-DUP-0559-200514

Tot Ion	Ratio	Resp	Lower	Upper
117	100	389674		
82	56.0		44.4	66.6
119	32.9		25.5	38.3

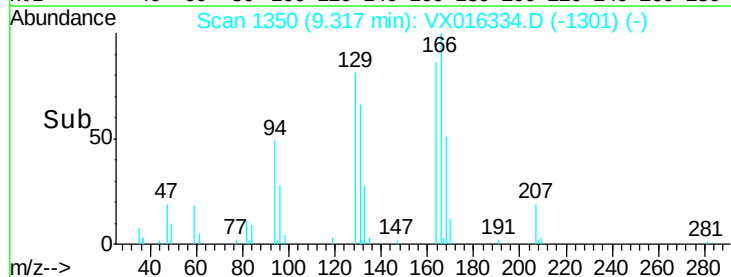
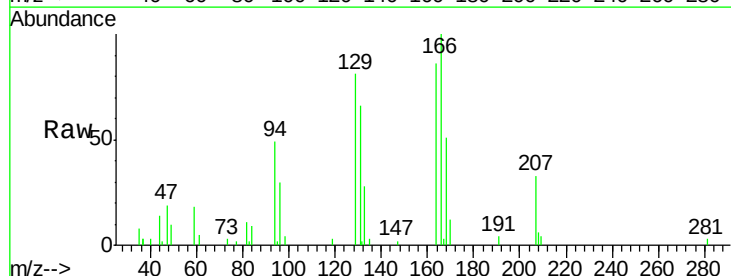
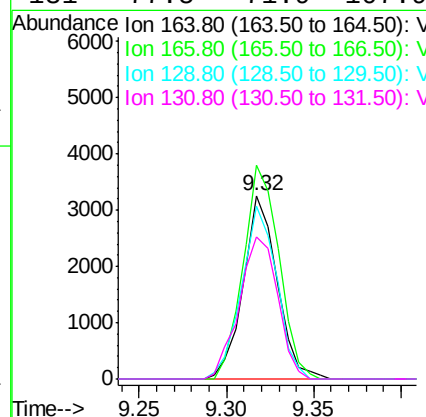
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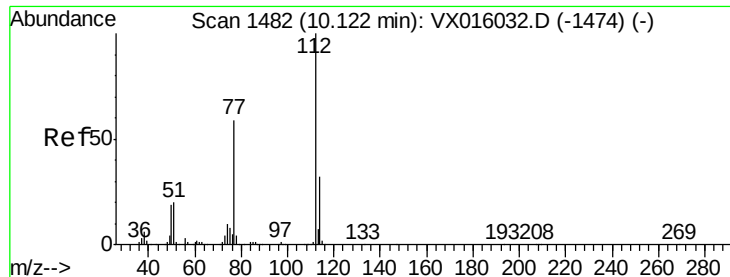
MMDadoda
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#64
Tetrachloroethene
Concen: 0.922 ug/l
RT: 9.32 min Scan# 1350
Delta R.T. -0.00 min
Lab File: VX016334.D
Acq: 19 May 2020 15:05

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	4411		
166	116.5		102.9	154.3
129	94.4		76.1	114.1
131	77.5		71.9	107.9





#65

Chlorobenzene

Concen: 14.789 ug/l

RT: 10.12 min Scan# 1482

Delta R.T. -0.00 min

Lab File: VX016334.D

Acq: 19 May 2020 15:05

Instrument :

MSVOA_X

ClientSampleId :

Z2-DUP-0559-200514

Tot Ion:112 Resp: 120665

Ion Ratio Lower Upper

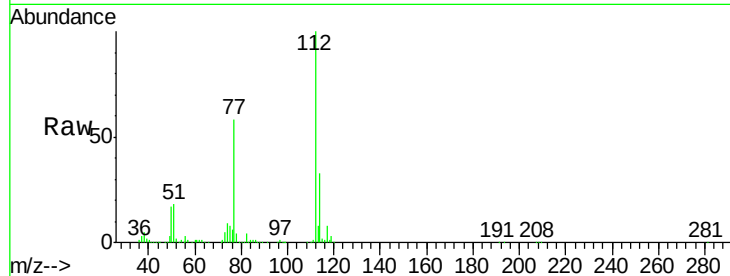
112 100

114 33.3 25.7 38.5

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

10.12

80000

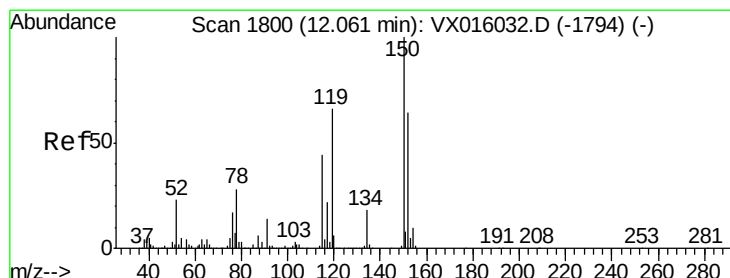
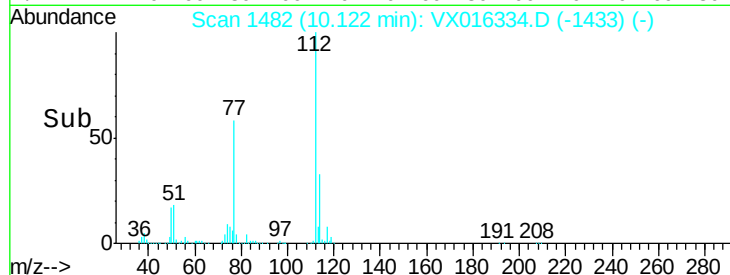
60000

40000

20000

0

Time-->



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX016334.D

Acq: 19 May 2020 15:05

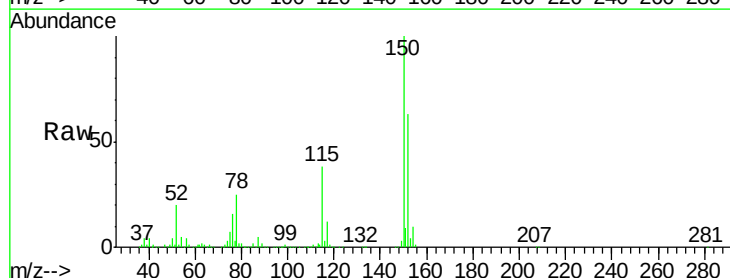
Tgt Ion:152 Resp: 199406

Ion Ratio Lower Upper

152 100

115 58.7 41.3 124.1

150 156.2 0.0 352.2



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

12.06

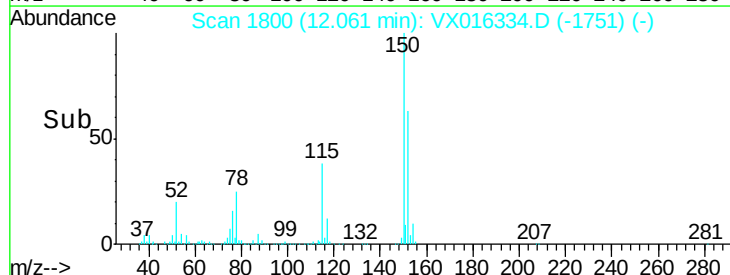
300000

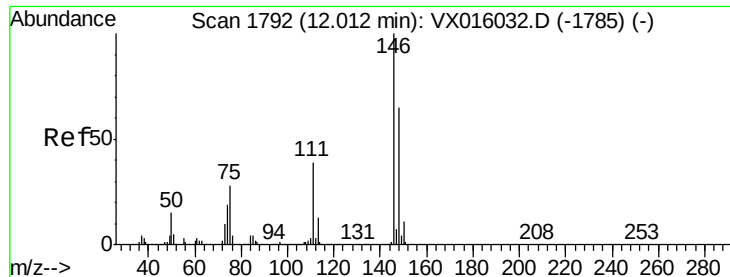
200000

100000

0

Time-->





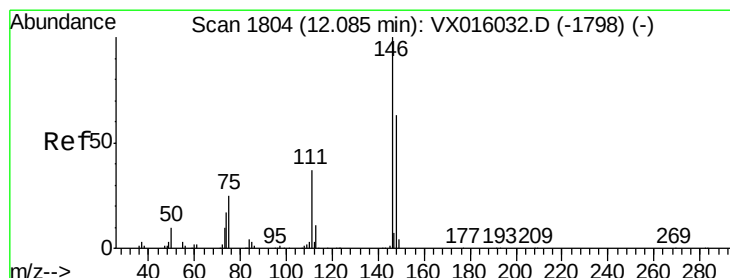
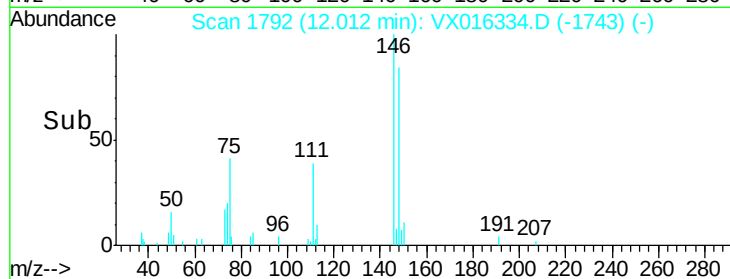
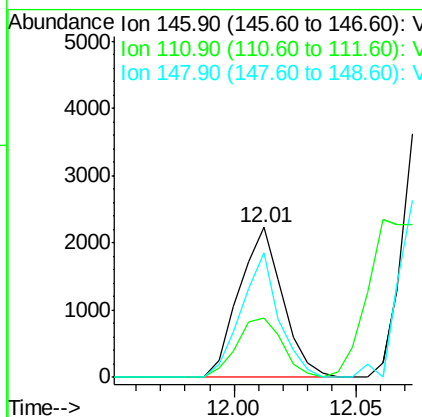
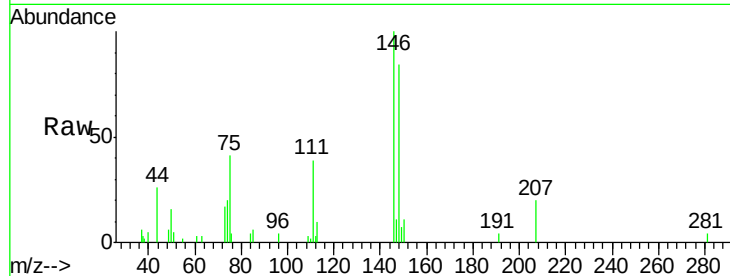
#87
 1,3-Dichlorobenzene
 Concen: 0.413 ug/l
 RT: 12.01 min Scan# 1792
 Delta R.T. -0.00 min
 Lab File: VX016334.D
 Acq: 19 May 2020 15:05

Instrument :
 MSVOA_X
 ClientSampleId :
 Z2-DUP-0559-200514

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.2	20.2	60.6
148	71.7	32.1	96.3

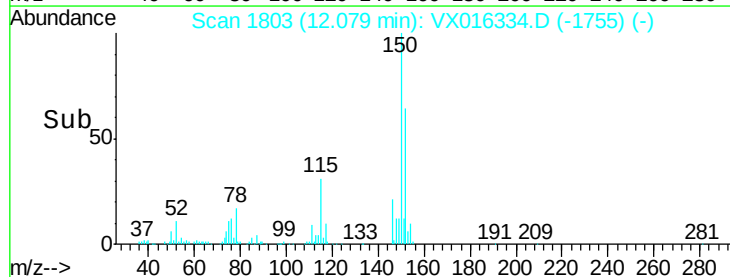
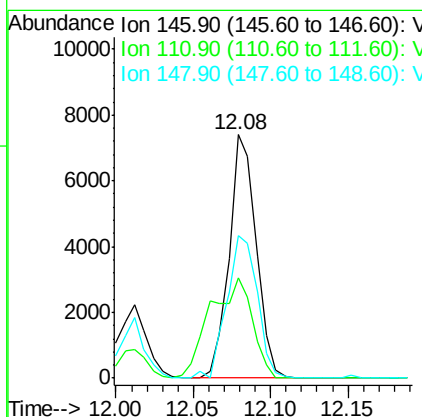
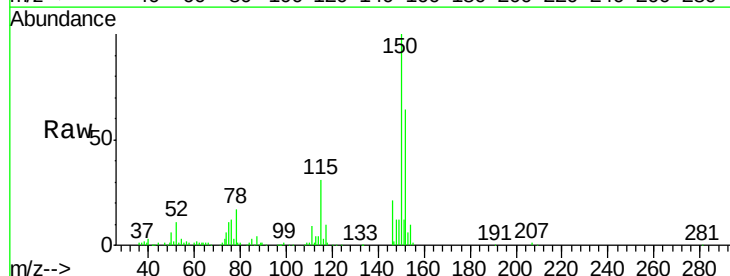
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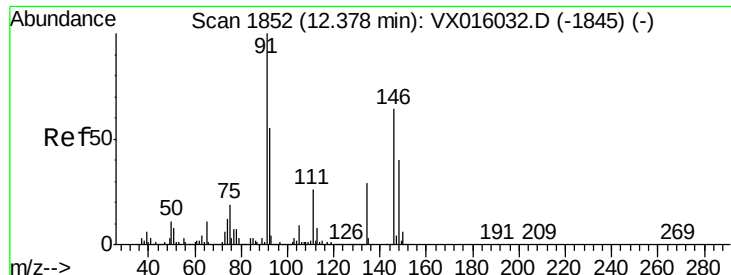
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#88
 1,4-Dichlorobenzene
 Concen: 1.323 ug/l m
 RT: 12.08 min Scan# 1803
 Delta R.T. -0.01 min
 Lab File: VX016334.D
 Acq: 19 May 2020 15:05

Tgt Ion	Ratio	Lower	Upper
146	100		
111	12.7	19.6	58.7#
148	22.0	31.8	95.3#





#91
 1,2-Dichlorobenzene
 Concen: 1.557 ug/l
 RT: 12.38 min Scan# 1852
 Delta R.T. -0.00 min
 Lab File: VX016334.D
 Acq: 19 May 2020 15:05

Instrument :
 MSVOA_X
 ClientSampleId :
 Z2-DUP-0559-200514

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.3	21.1	63.1
148	65.0	32.4	97.0

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