

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102220\
 Data File : VX019016.D
 Acq On : 22 Oct 2020 11:09
 Operator : JC/SP
 Sample : L4214-07 .2PPB LOD
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2020

Manual Integrations
 APPROVED

MMDadoda
 10/23/2020 12:05:44 PM

Quant Time: Oct 23 10:26:09 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102120W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 22 17:51:42 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.62	168	234415	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.82	114	387256	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	354371	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	171602	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.03	65	129765	46.21	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.42%	
35) Dibromofluoromethane	5.46	113	107700	43.93	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	87.86%	
50) Toluene-d8	8.70	98	418753	44.76	ug/l	0.00
Spiked Amount 50.000			Recovery	=	89.52%	
62) 4-Bromofluorobenzene	11.12	95	147979	44.46	ug/l	0.00
Spiked Amount 50.000			Recovery	=	88.92%	
Target Compounds						
					Qvalue	
15) Acrylonitrile	3.12	53	486	0.442	ug/l #	90
16) Acetone	2.43	43	805	0.842	ug/l #	71
20) Methylene Chloride	2.83	84	559	0.210	ug/l #	81
23) Vinyl Acetate	3.79	43	1743	0.315	ug/l #	90
25) 2-Butanone	4.66	43	864	0.572	ug/l #	85
29) Tetrahydrofuran	5.09	42	473	0.524	ug/l #	29
41) Methacrylonitrile	5.00	41	464m	0.291	ug/l	
51) 4-Methyl-2-Pentanone	8.62	43	877	0.296	ug/l #	84
58) 2-Chloroethyl Vinyl ether	8.29	63	995	0.478	ug/l	95
59) 2-Hexanone	9.48	43	816	0.370	ug/l	64

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

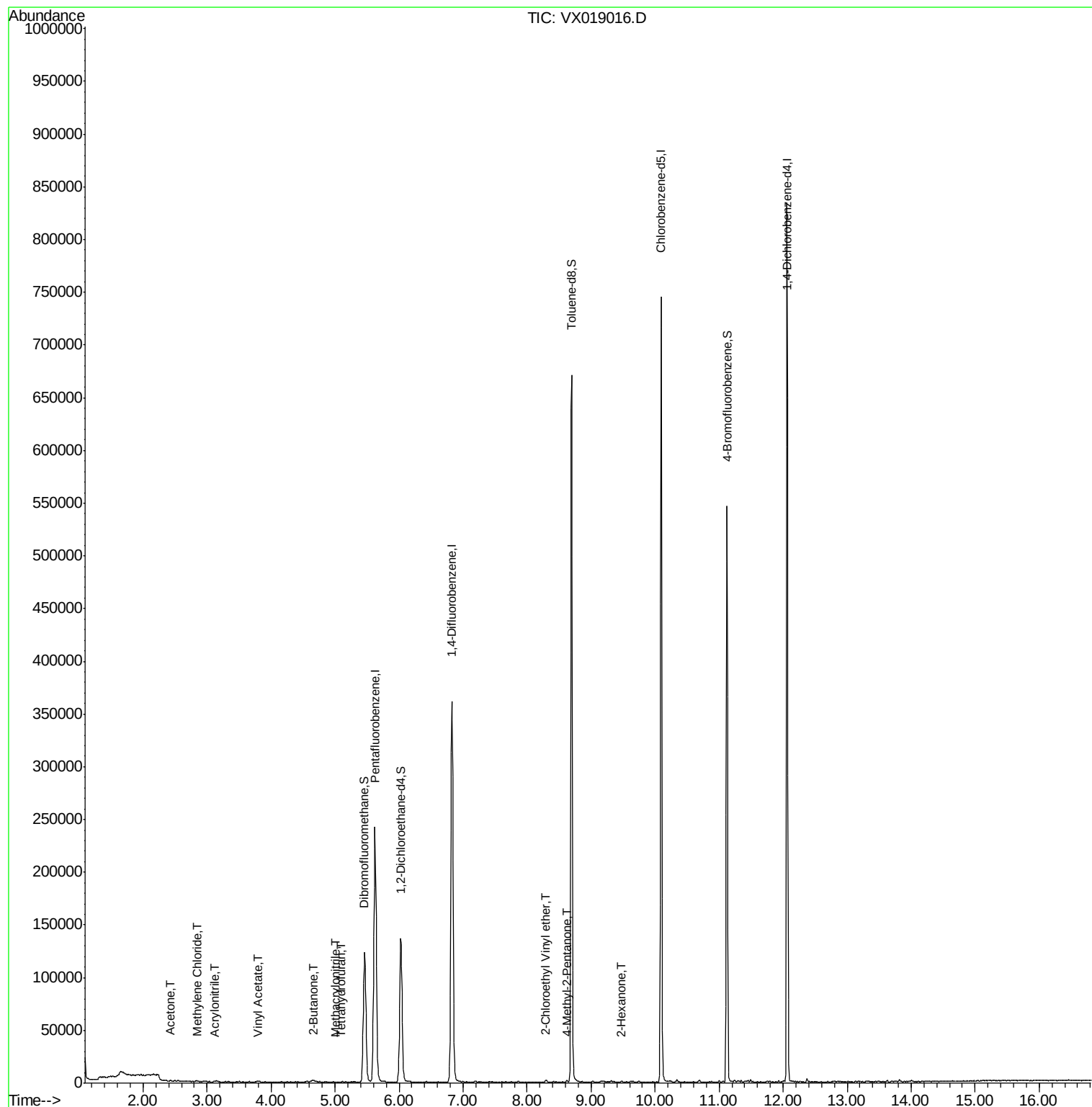
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX102220\
Data File : VX019016.D
Acq On : 22 Oct 2020 11:09
Operator : JC/SP
Sample : L4214-07 .2PPB LOD
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 4 Sample Multiplier: 1

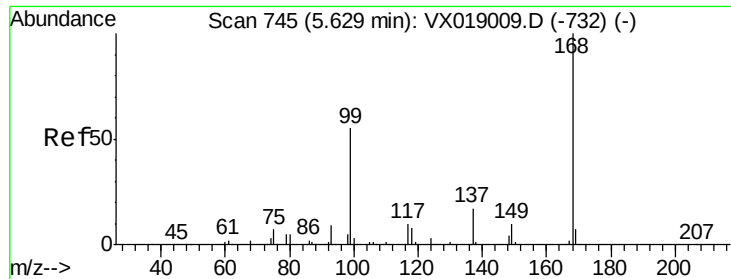
Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT4-2020

Manual Integrations
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Quant Time: Oct 23 10:26:09 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X102120W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 22 17:51:42 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.62 min Scan# 744

Delta R.T. -0.01 min

Lab File: VX019016.D

Acq: 22 Oct 2020 11:09

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

Tot Ion:168 Resp: 234415

Ion Ratio Lower Upper

168 100

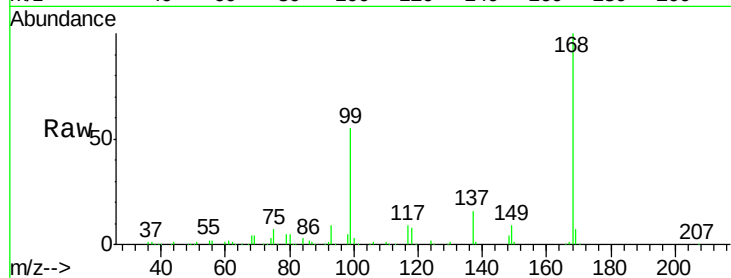
99 55.1 44.2 66.2

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.62

80000

60000

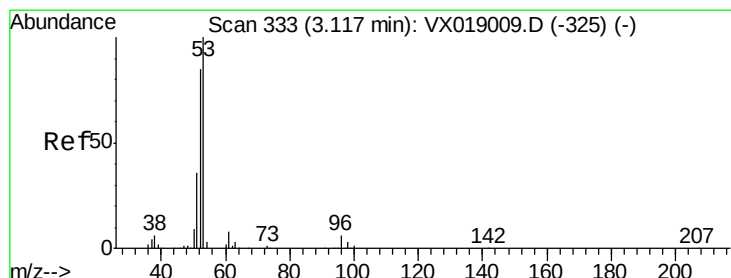
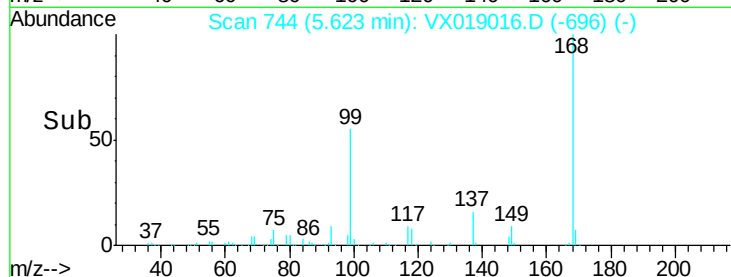
40000

20000

0

5.50 5.60 5.70 5.80

Time-->



#15

Acrylonitrile

Concen: 0.442 ug/l

RT: 3.12 min Scan# 334

Delta R.T. 0.01 min

Lab File: VX019016.D

Acq: 22 Oct 2020 11:09

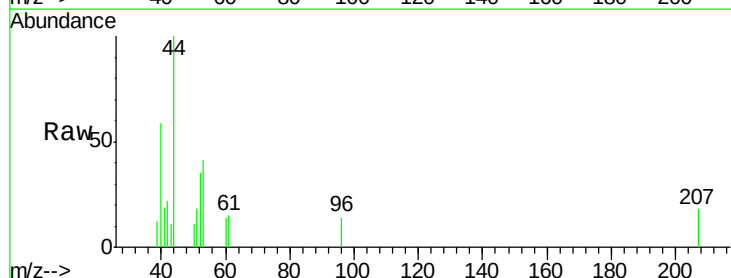
Tgt Ion: 53 Resp: 486

Ion Ratio Lower Upper

53 100

52 87.4 65.9 98.9

51 24.3 28.3 42.5#



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0

3.12

250

200

150

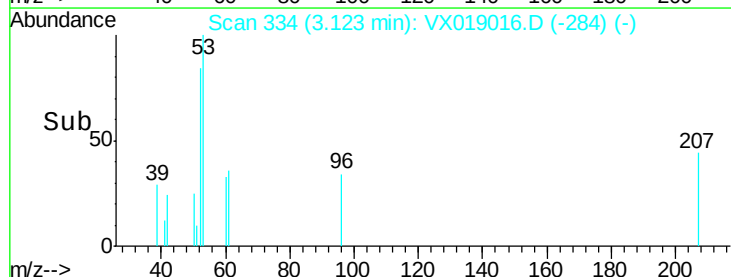
100

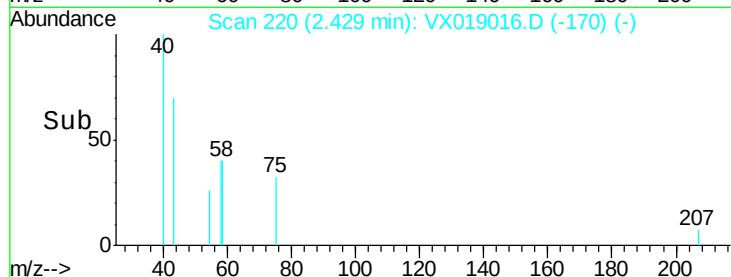
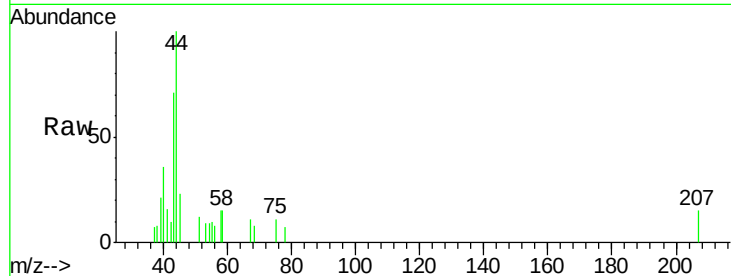
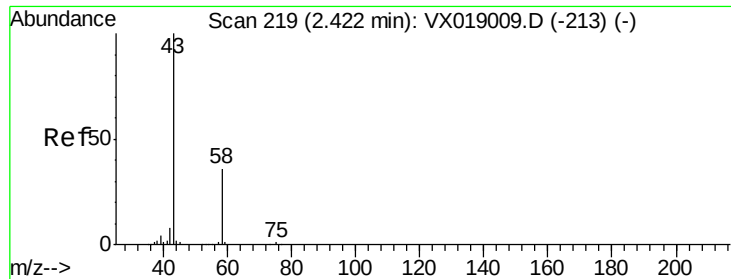
50

0

3.05 3.10 3.15

Time-->





#16

Acetone

Concen: 0.842 ug/l

RT: 2.43 min Scan# 220

Delta R.T. 0.01 min

Lab File: VX019016.D

Acq: 22 Oct 2020 11:09

Tot Ion: 43 Resp: 805

Ion Ratio Lower Upper

43 100

58 52.7 28.6 42.8#

Instrument :

MSVOA_X

ClientSampleId :

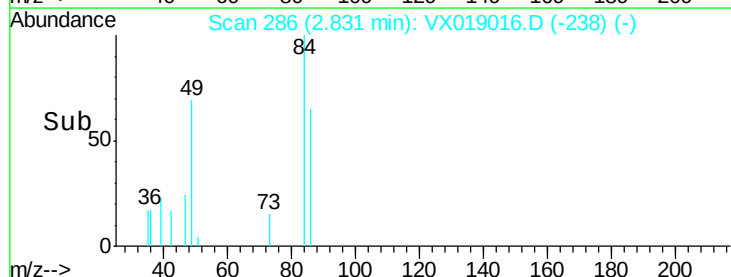
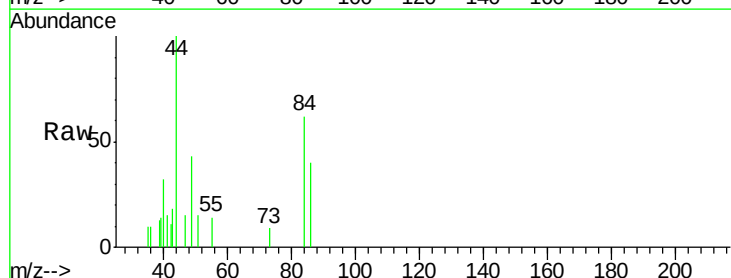
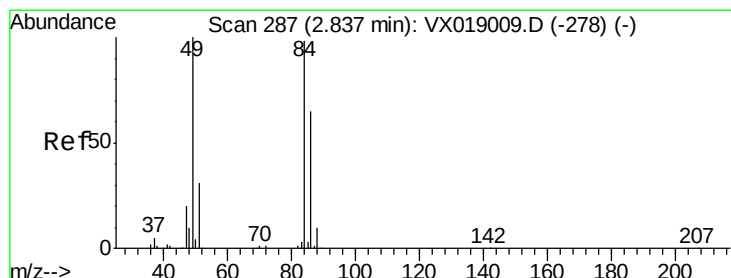
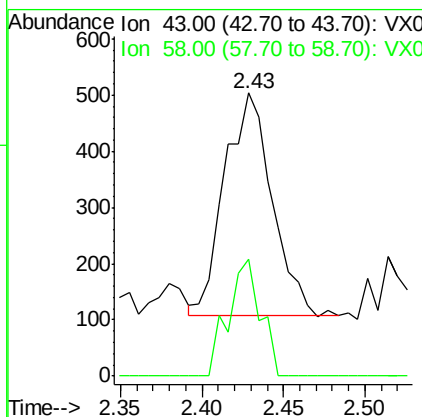
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#20

Methylene Chloride

Concen: 0.210 ug/l

RT: 2.83 min Scan# 286

Delta R.T. -0.01 min

Lab File: VX019016.D

Acq: 22 Oct 2020 11:09

Tgt Ion: 84 Resp: 559

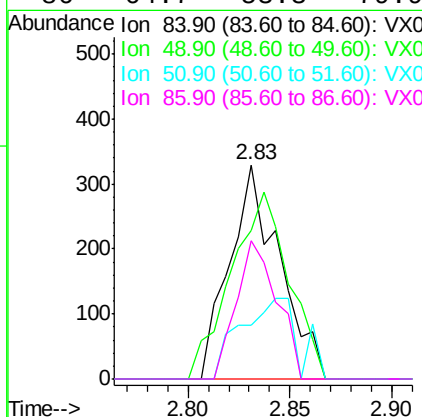
Ion Ratio Lower Upper

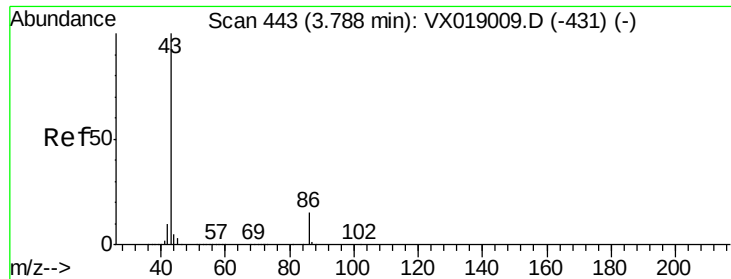
84 100

49 69.3 81.6 122.4#

51 24.9 25.6 38.4#

86 64.7 53.3 79.9





#23

Vinyl Acetate

Concen: 0.315 ug/l

RT: 3.79 min Scan# 443

Delta R.T. 0.00 min

Lab File: VX019016.D

Acq: 22 Oct 2020 11:09

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

Tot Ion: 43 Resp: 1743

Ion Ratio Lower Upper

43 100

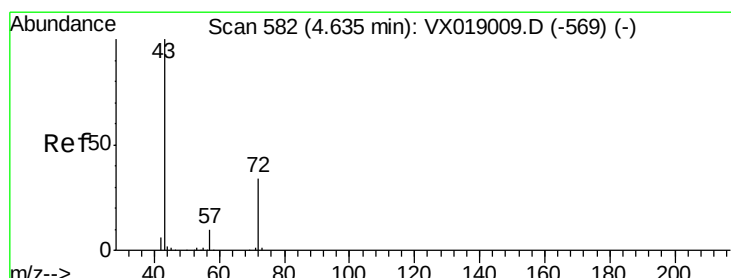
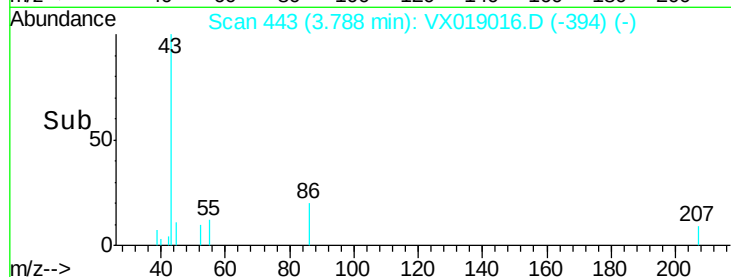
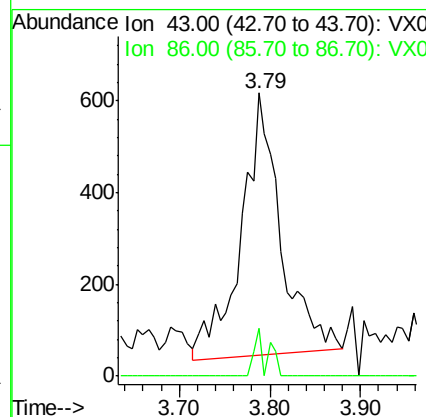
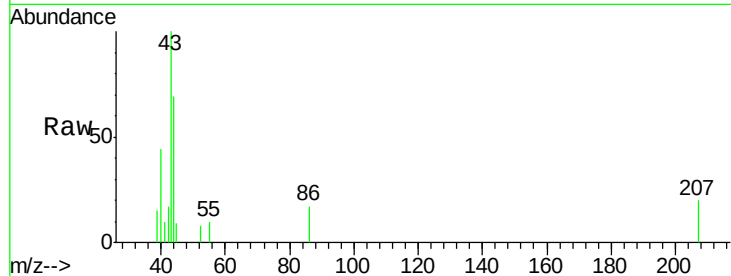
86 18.6 11.7 17.5#

Manual Integrations

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#25

2-Butanone

Concen: 0.572 ug/l

RT: 4.66 min Scan# 586

Delta R.T. 0.02 min

Lab File: VX019016.D

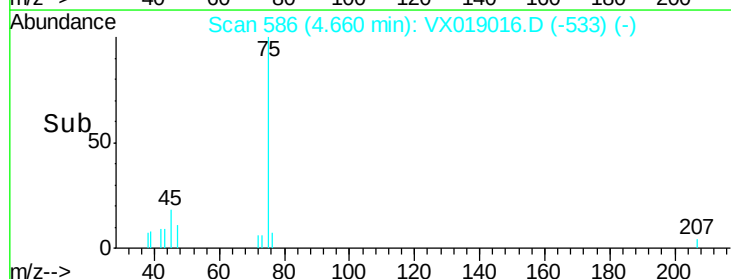
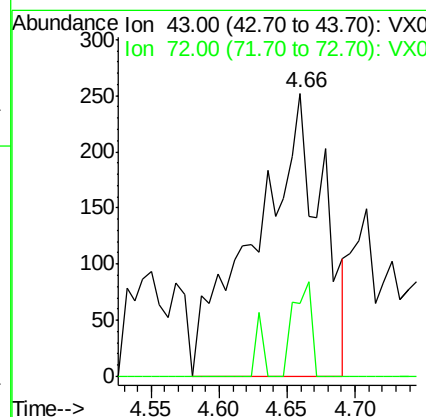
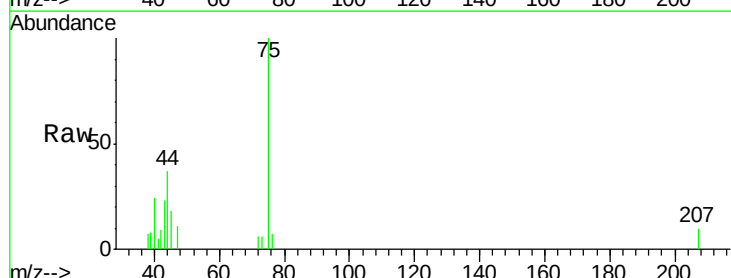
Acq: 22 Oct 2020 11:09

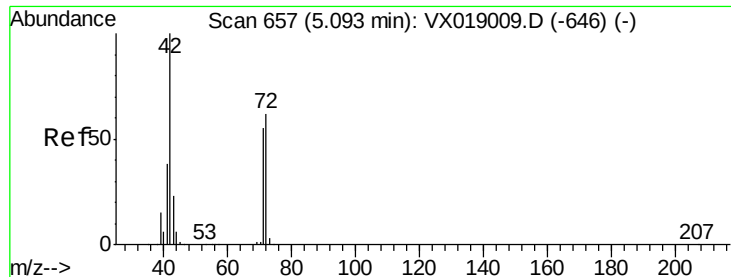
Tgt Ion: 43 Resp: 864

Ion Ratio Lower Upper

43 100

72 25.8 27.8 41.6#





#29

Tetrahydrofuran

Concen: 0.524 ug/l

RT: 5.09 min Scan# 657

Delta R.T. 0.00 min

Lab File: VX019016.D

Acq: 22 Oct 2020 11:09

Instrument :

MSVOA_X

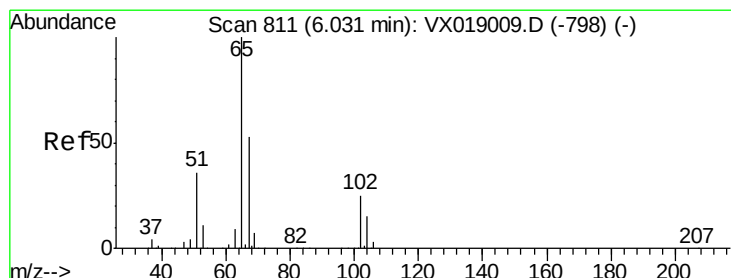
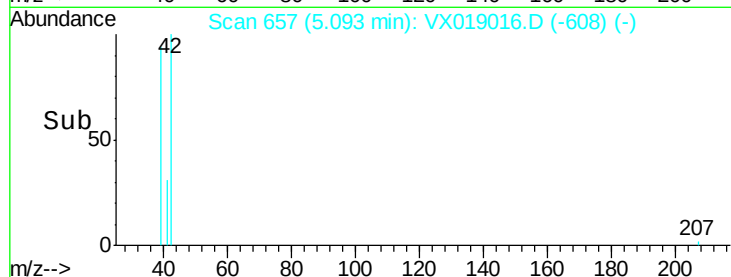
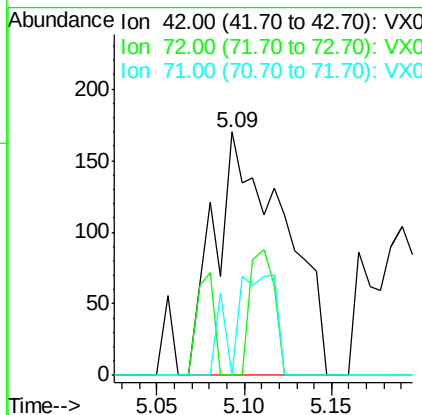
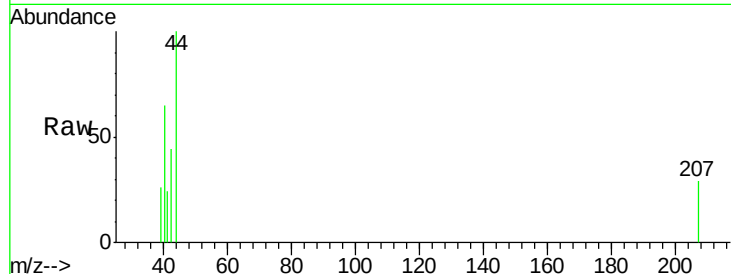
ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

Tot Ion:	42	Resp:	473
Ion	Ratio	Lower	Upper
42	100		
72	10.4	49.1	73.7#
71	0.0	44.2	66.4#

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#33

1,2-Dichloroethane-d4

Concen: 46.214 ug/l

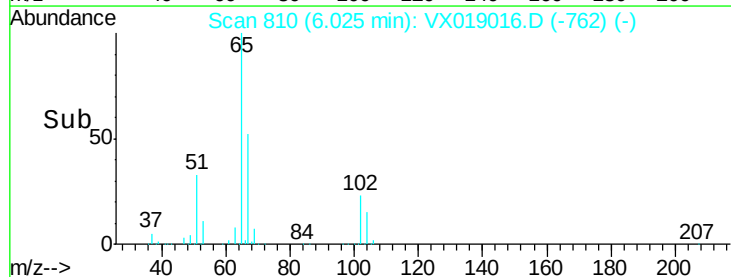
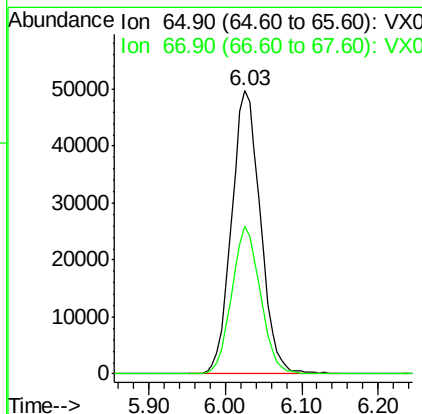
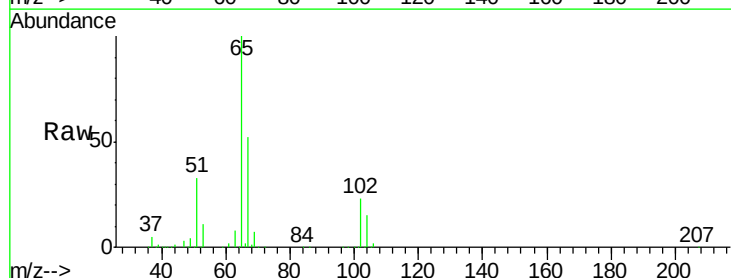
RT: 6.03 min Scan# 810

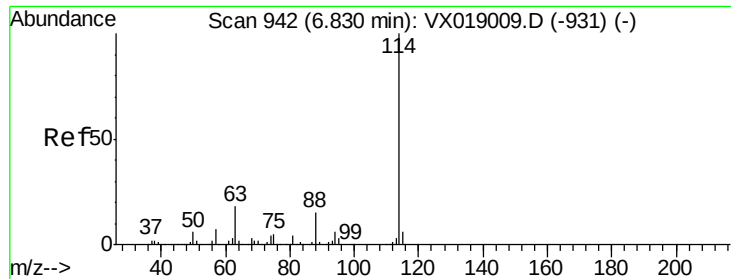
Delta R.T. -0.01 min

Lab File: VX019016.D

Acq: 22 Oct 2020 11:09

Tgt Ion:	65	Resp:	129765
Ion	Ratio	Lower	Upper
65	100		
67	51.9	0.0	107.0





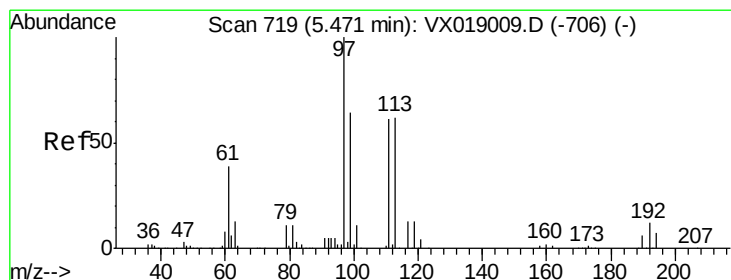
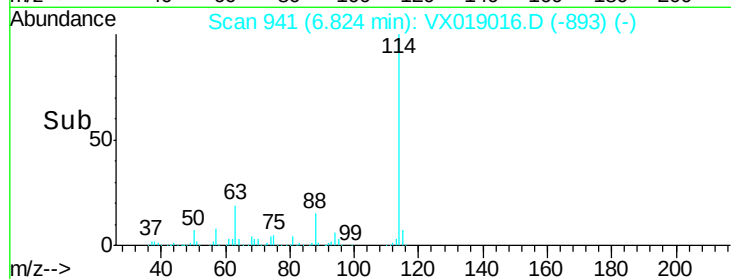
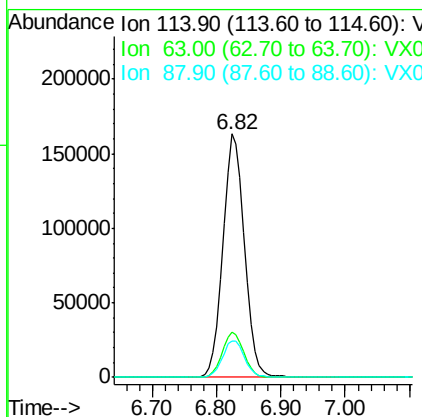
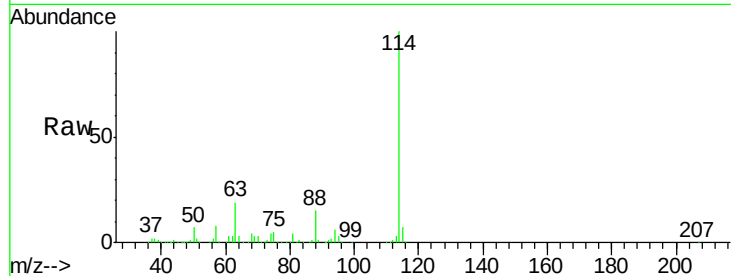
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.82 min Scan# 941
 Delta R.T. -0.01 min
 Lab File: VX019016.D
 Acq: 22 Oct 2020 11:09

Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2020

Tot Ion	Ratio	Resp	Lower	Upper
114	100	387256		
63	18.8		0.0	36.8
88	14.7		0.0	30.2

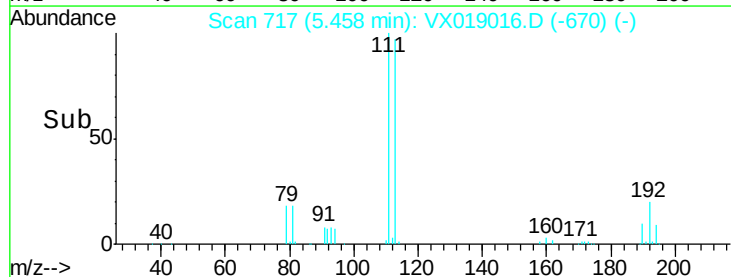
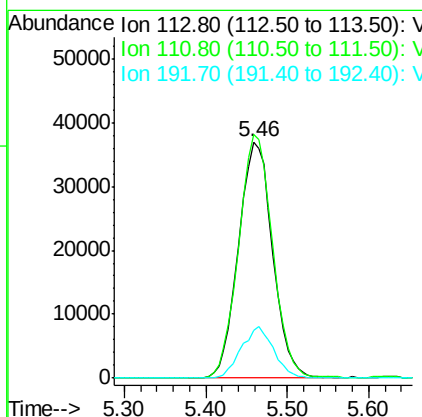
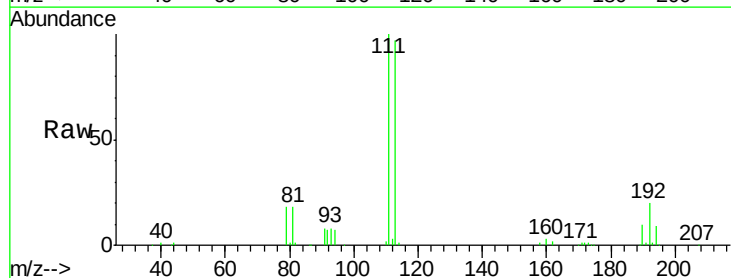
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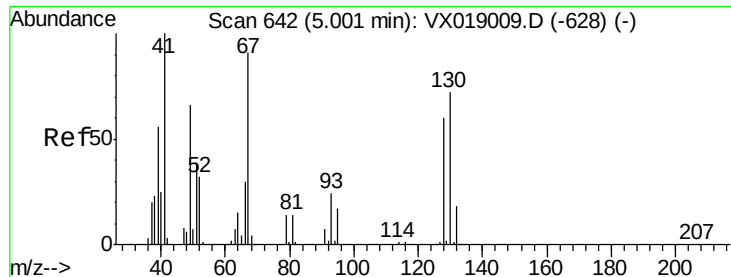
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#35
 Dibromofluoromethane
 Concen: 43.926 ug/l
 RT: 5.46 min Scan# 717
 Delta R.T. -0.01 min
 Lab File: VX019016.D
 Acq: 22 Oct 2020 11:09

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	107700		
111	102.4		81.5	122.3
192	20.9		16.3	24.5





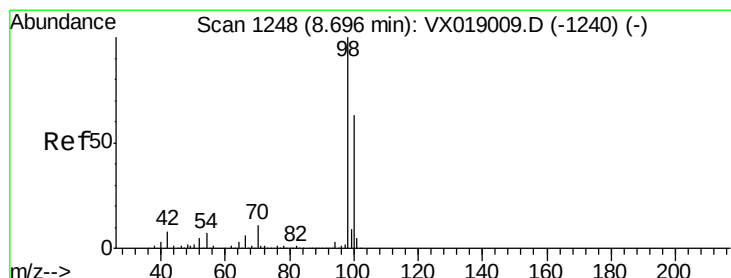
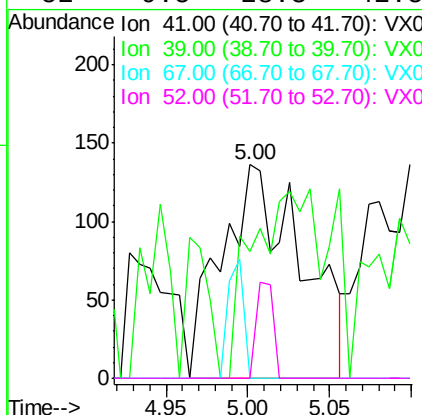
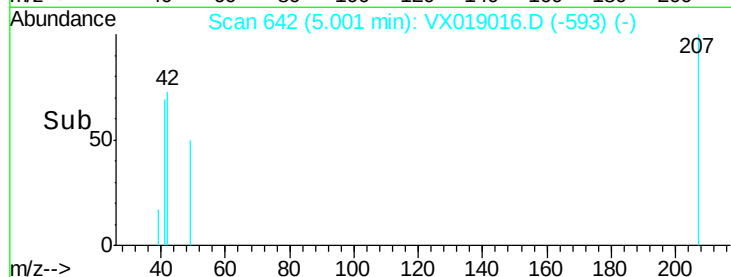
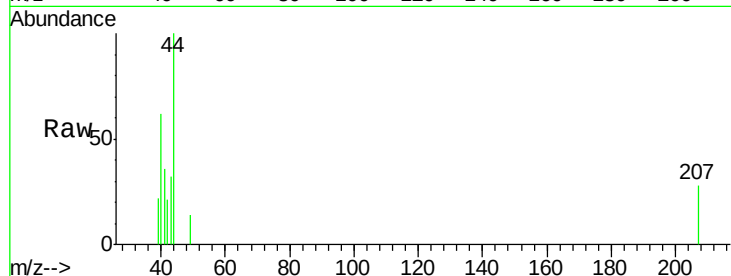
#41
Methacrylonitrile
Concen: 0.291 ug/l m
RT: 5.00 min Scan# 642
Delta R.T. 0.00 min
Lab File: VX019016.D
Acq: 22 Oct 2020 11:09

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT4-2020

Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	44.6	67.0#
67	10.8	76.1	114.1#
52	9.5	28.3	42.5#

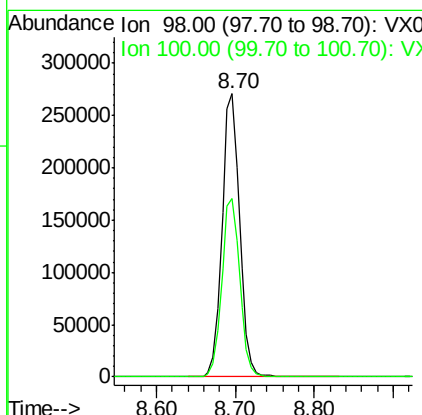
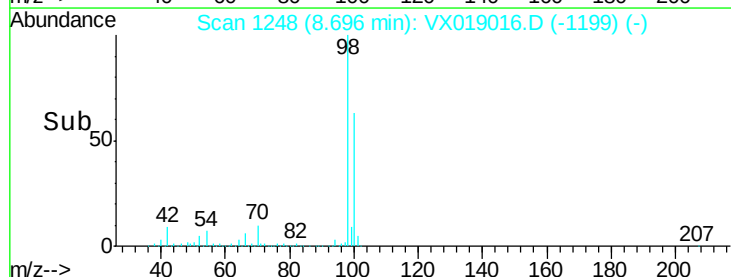
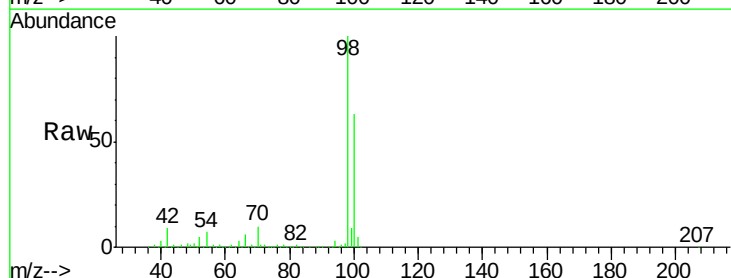
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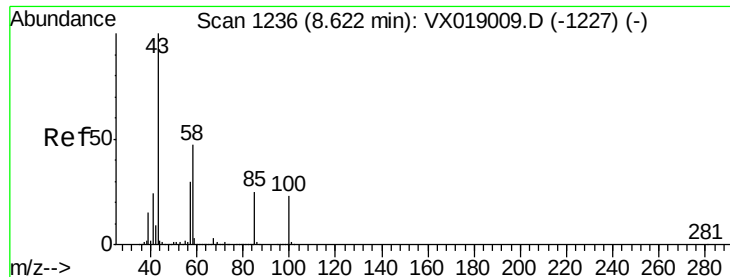
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#50
Toluene-d8
Concen: 44.756 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. 0.00 min
Lab File: VX019016.D
Acq: 22 Oct 2020 11:09

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.4	52.1	78.1





#51

4-Methyl-2-Pentanone

Concen: 0.296 ug/l

RT: 8.62 min Scan# 1235

Delta R.T. -0.01 min

Lab File: VX019016.D

Acq: 22 Oct 2020 11:09

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

Tot Ion: 43 Resp: 877

Ion Ratio Lower Upper

43 100

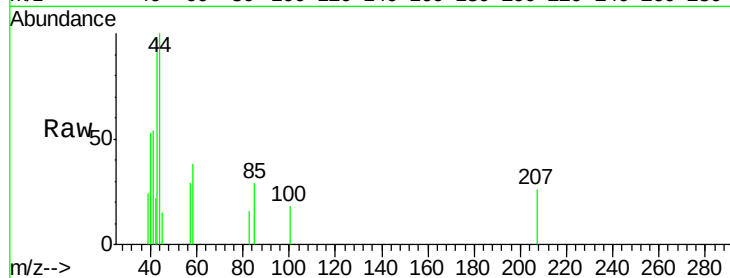
58 35.8 37.4 56.0#

Manual Integrations

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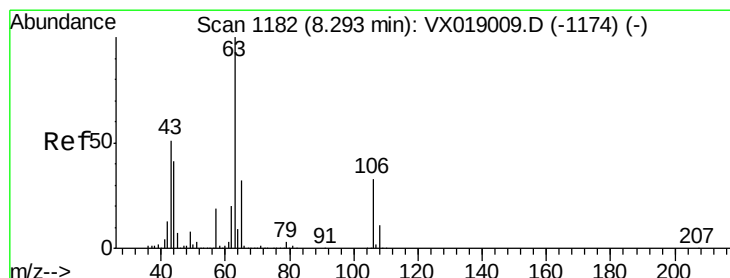
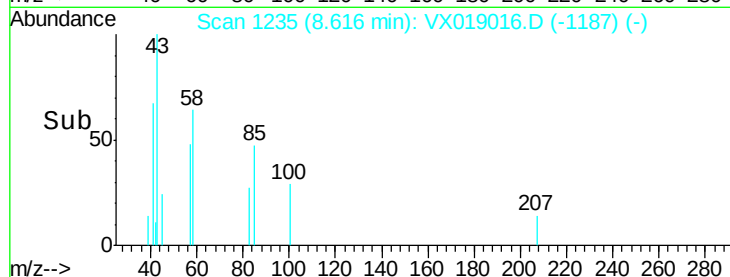
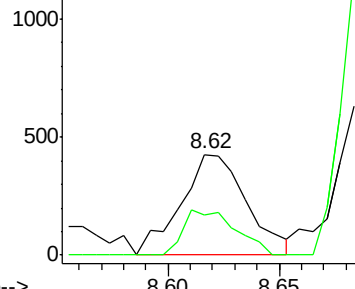
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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 0.478 ug/l

RT: 8.29 min Scan# 1182

Delta R.T. 0.00 min

Lab File: VX019016.D

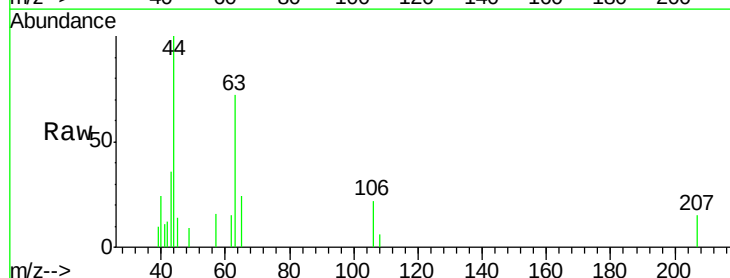
Acq: 22 Oct 2020 11:09

Tgt Ion: 63 Resp: 995

Ion Ratio Lower Upper

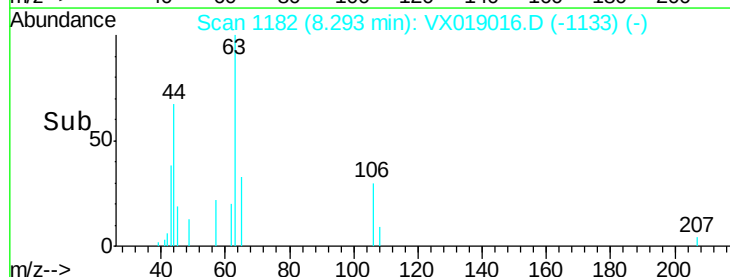
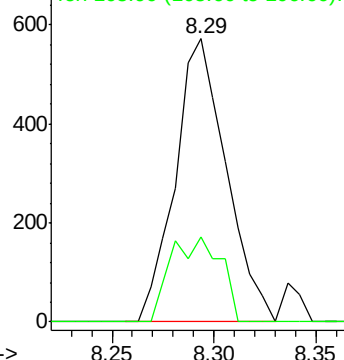
63 100

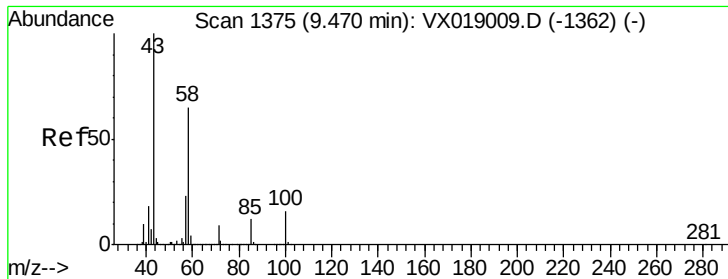
106 29.4 26.0 39.0



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V





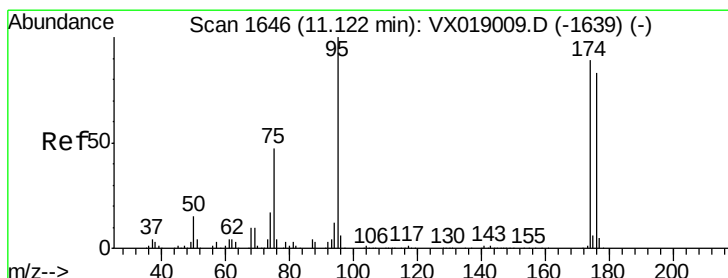
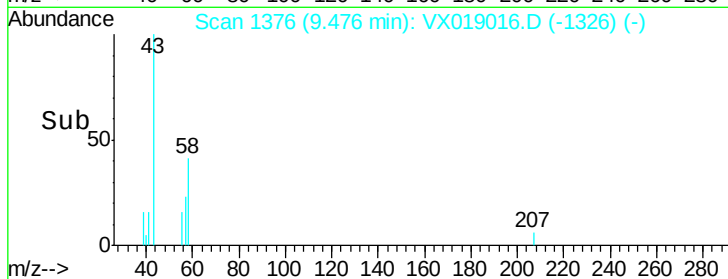
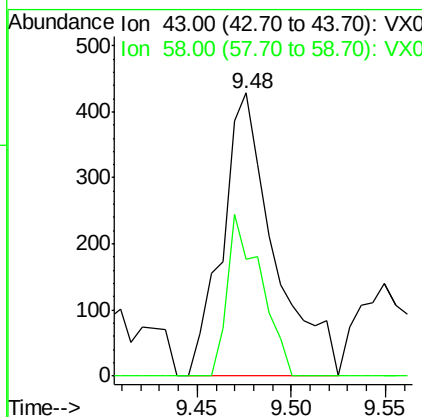
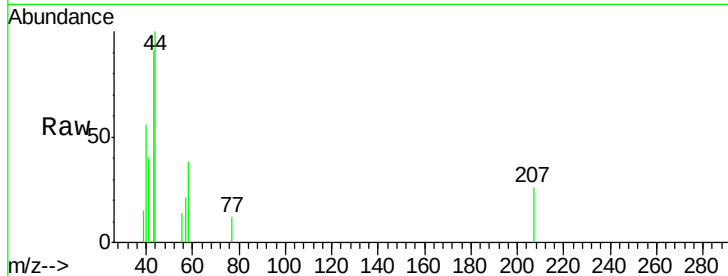
#59
2-Hexanone
Concen: 0.370 ug/l
RT: 9.48 min Scan# 1376
Delta R.T. 0.01 min
Lab File: VX019016.D
Acq: 22 Oct 2020 11:09

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT4-2020

Tot Ion	Ratio	Lower	Upper
43	100		
58	37.0	32.8	98.4

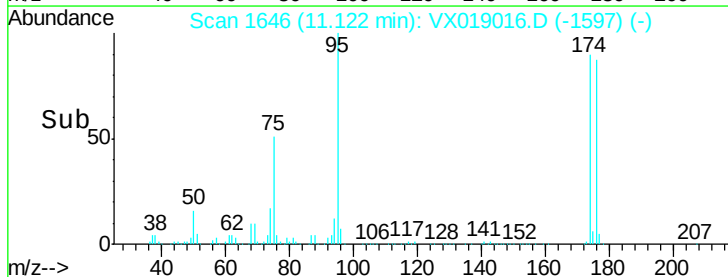
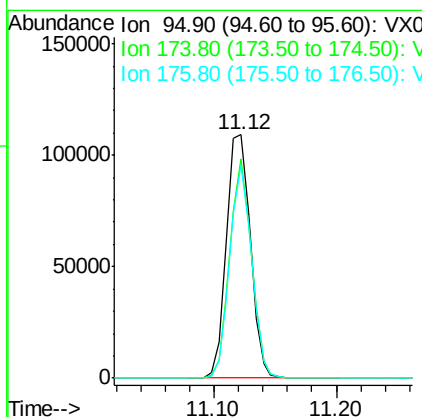
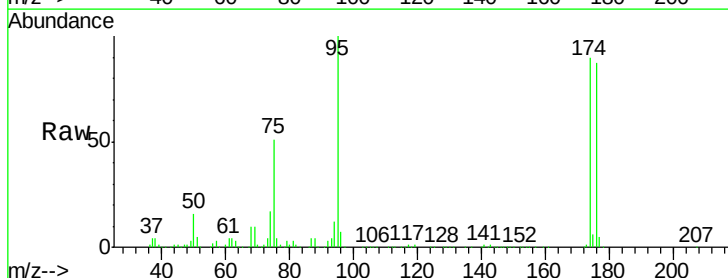
Manual Integrations
APPROVED

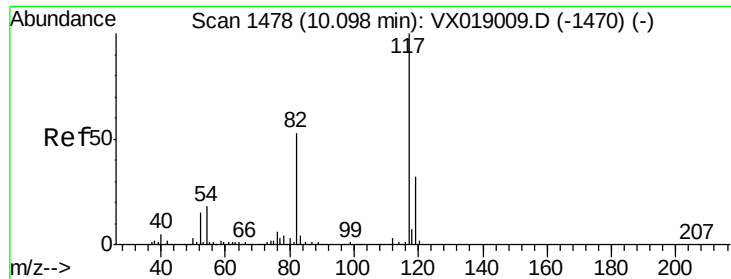
MMDadoda
10/23/2020 12:05:44 PM



#62
4-Bromofluorobenzene
Concen: 44.464 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. 0.00 min
Lab File: VX019016.D
Acq: 22 Oct 2020 11:09

Tgt Ion	Ratio	Lower	Upper
95	100		
174	81.7	0.0	167.6
176	80.0	0.0	165.2





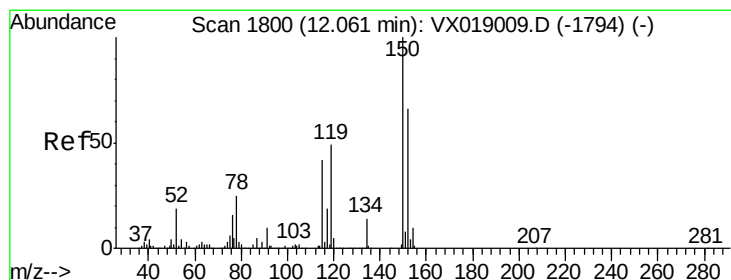
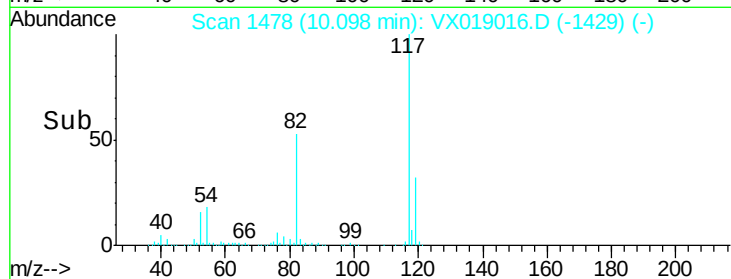
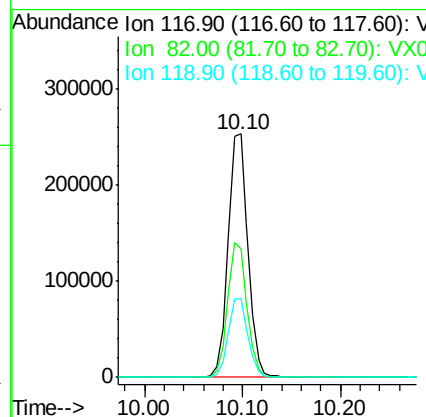
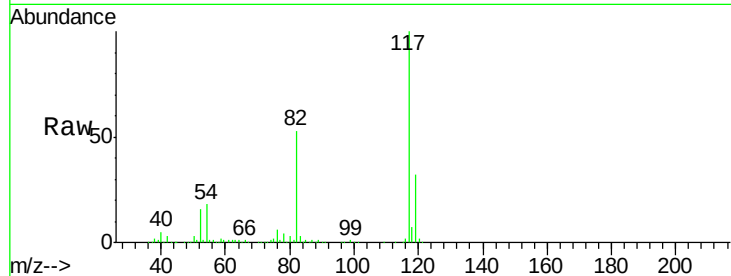
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. 0.00 min
Lab File: VX019016.D
Acq: 22 Oct 2020 11:09

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT4-2020

Tot Ion	Ratio	Resp	Lower	Upper
117	100	354371		
82	52.8		42.4	63.6
119	32.4		25.6	38.4

Manual Integrations
APPROVED

MMDadoda
10/23/2020 12:05:44 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. 0.00 min
Lab File: VX019016.D
Acq: 22 Oct 2020 11:09

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	171602		
115	58.4		40.8	122.5
150	156.5		0.0	345.6

