

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX112320\
 Data File : VX019555.D
 Acq On : 23 Nov 2020 17:02
 Operator : JC/MD
 Sample : L4798-12
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BRP2-20201118

Manual Integrations
 APPROVED

MMDadoda
 11/24/2020 2:59:49 PM

Quant Time: Nov 24 05:11:10 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112120W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 21 01:57:45 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	303208	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	495069	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	419000	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	171951	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	182791	46.50	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	93.00%
35) Dibromofluoromethane	5.46	113	147616	47.50	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	95.00%
50) Toluene-d8	8.70	98	571857	47.36	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	94.72%
62) 4-Bromofluorobenzene	11.12	95	192910	44.40	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	88.80%

Target Compounds

	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.18	85	154730m	52.477	ug/l	
4) Vinyl Chloride	1.39	62	4827733	1325.470	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.36	101	33136	11.298	ug/l	96
12) 1,1-Dichloroethene	2.35	96	77686	25.807	ug/l	94
21) trans-1,2-Dichloroethene	3.14	96	119529	35.047	ug/l	99
24) 1,1-Dichloroethane	3.67	63	3174	0.532	ug/l	92
27) cis-1,2-Dichloroethene	4.57	96	21925529	5596.578	ug/l	85
29) Tetrahydrofuran	5.10	42	5373	3.687	ug/l	97
40) Benzene	6.11	78	6668	0.468	ug/l #	89
44) Trichloroethene	7.19	130	6745591	1805.888	ug/l	95
64) Tetrachloroethene	9.32	164	744	0.226	ug/l #	81

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

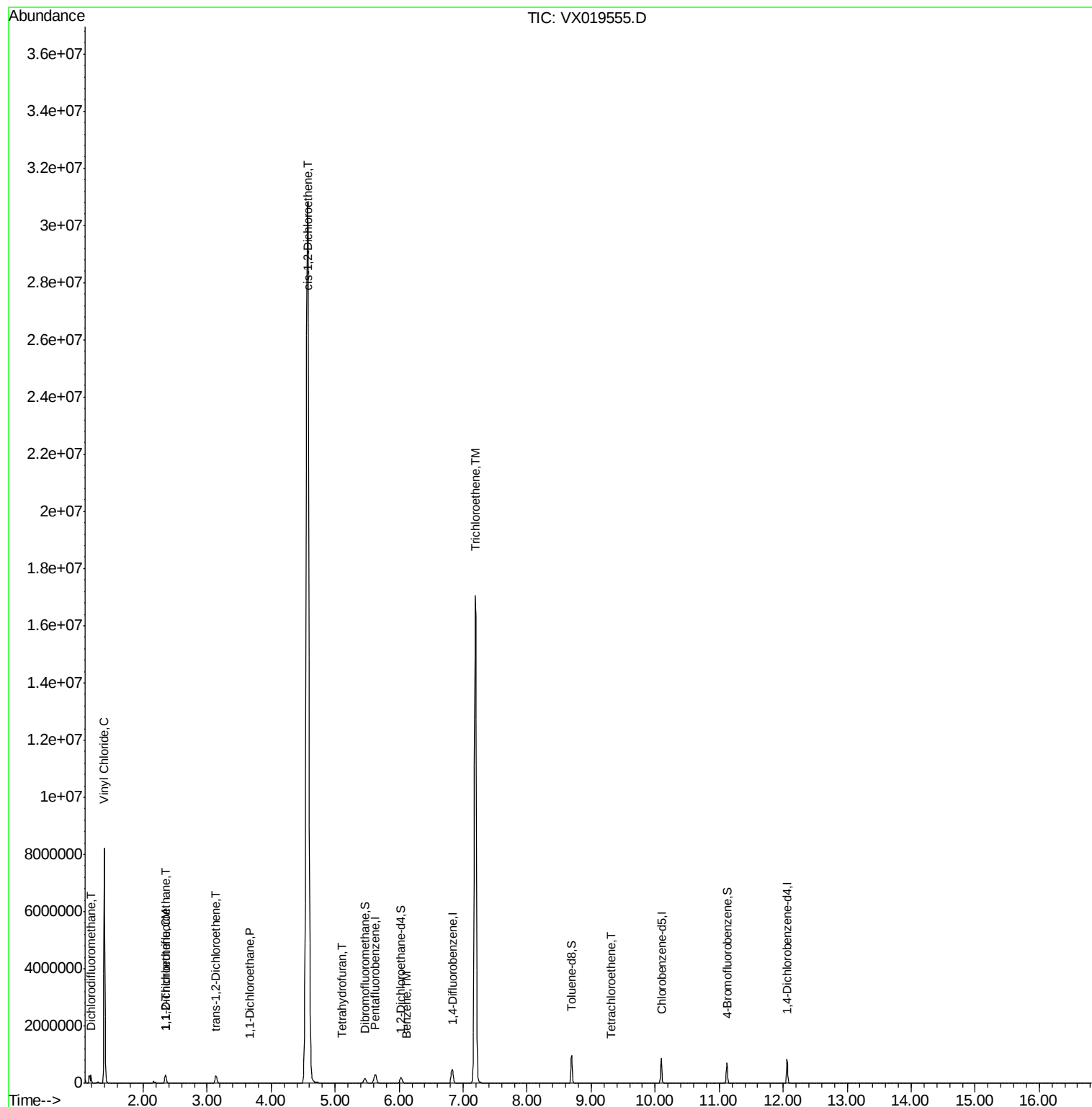
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX112320\
Data File : VX019555.D
Acq On : 23 Nov 2020 17:02
Operator : JC/MD
Sample : L4798-12
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 16 Sample Multiplier: 1

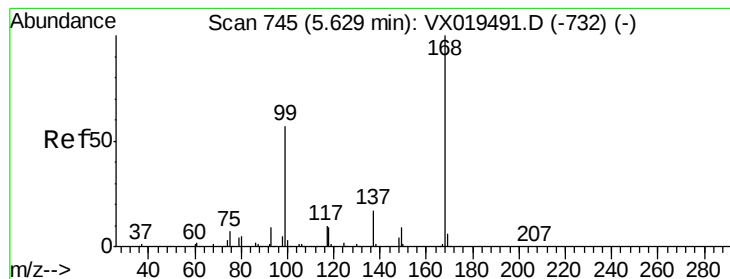
Instrument :
MSVOA_X
ClientSampleId :
BRP2-20201118

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Quant Time: Nov 24 05:11:10 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X112120W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 21 01:57:45 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.00 min

Lab File: VX019555.D

Acq: 23 Nov 2020 17:02

Instrument :

MSVOA_X

ClientSampleId :

BRP2-20201118

Tot Ion:168 Resp: 303208

Ion Ratio Lower Upper

168 100

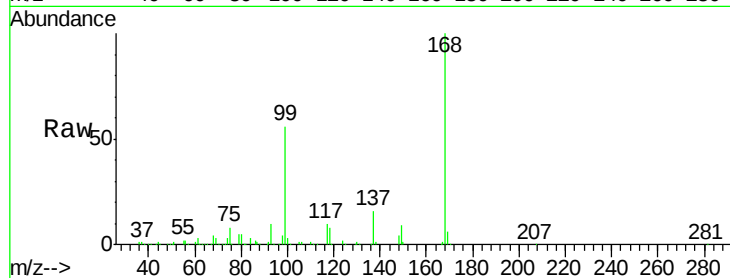
99 55.8 45.8 68.6

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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

120000

100000

80000

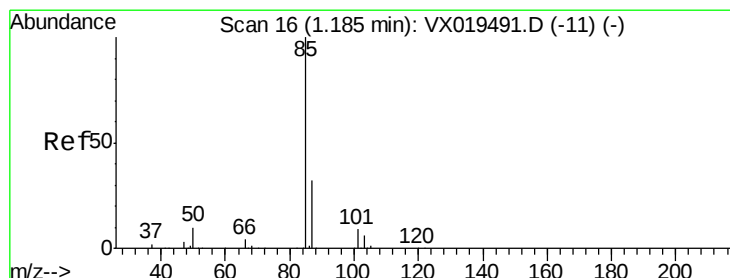
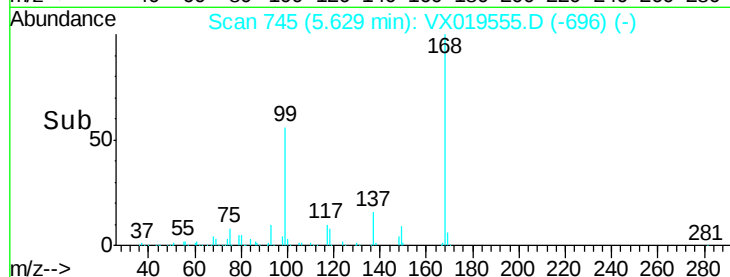
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 52.477 ug/l m

RT: 1.18 min Scan# 16

Delta R.T. -0.00 min

Lab File: VX019555.D

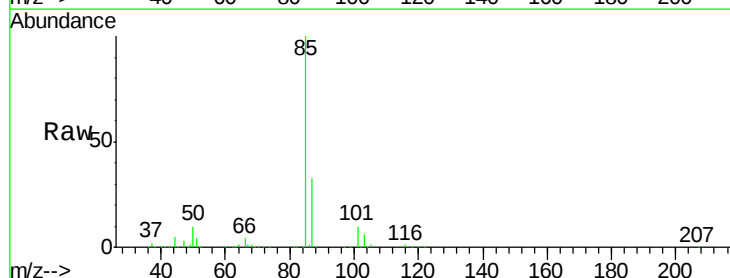
Acq: 23 Nov 2020 17:02

Tgt Ion: 85 Resp: 154730

Ion Ratio Lower Upper

85 100

87 32.6 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.18

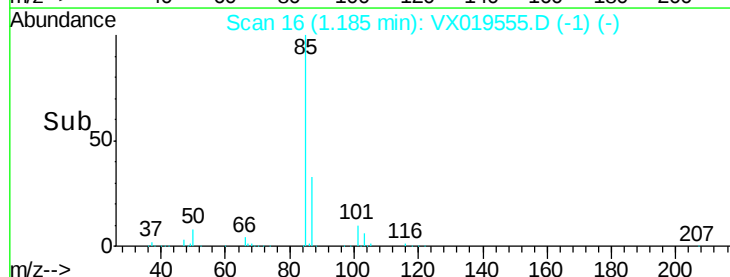
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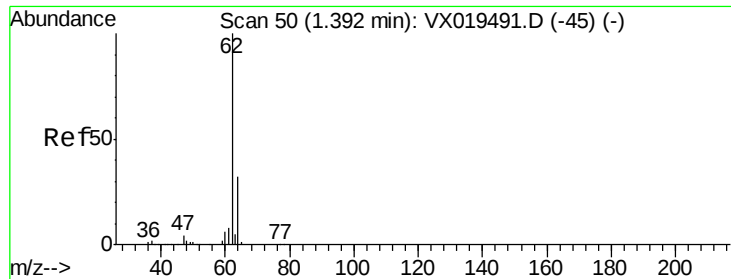
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50000

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Time-->





#4

Vinyl Chloride

Concen: 1325.470 ug/l

RT: 1.39 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX019555.D

Acq: 23 Nov 2020 17:02

Instrument :

MSVOA_X

ClientSampleId :

BRP2-20201118

Tot Ion: 62 Resp: 4827733

Ion Ratio Lower Upper

62 100

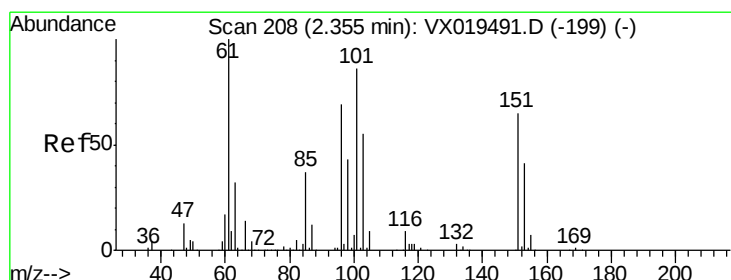
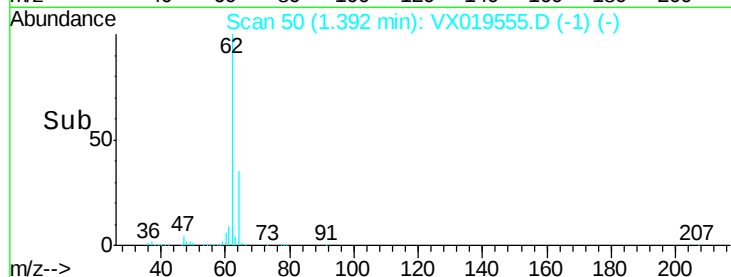
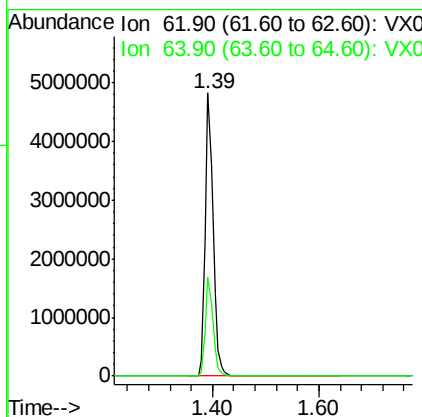
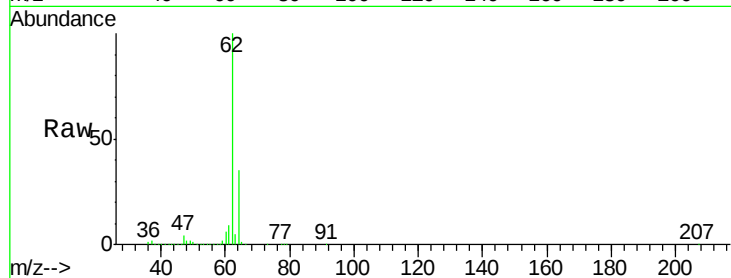
64 34.8 25.4 38.2

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#9

1,1,2-Trichlorotrifluoroethane

Concen: 11.298 ug/l

RT: 2.36 min Scan# 208

Delta R.T. -0.00 min

Lab File: VX019555.D

Acq: 23 Nov 2020 17:02

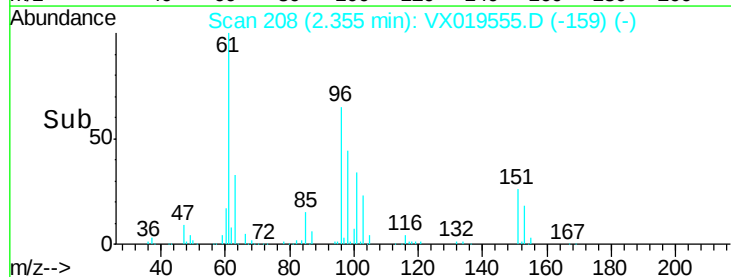
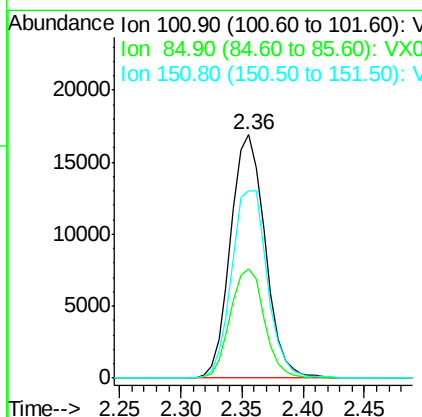
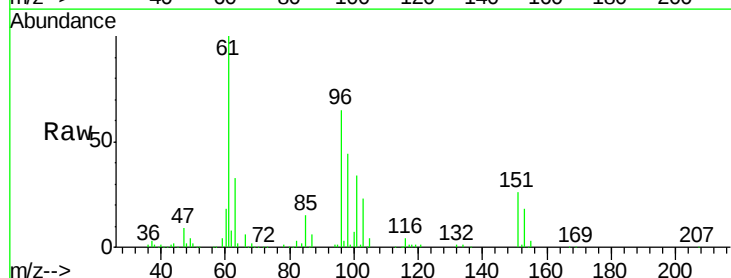
Tgt Ion: 101 Resp: 33136

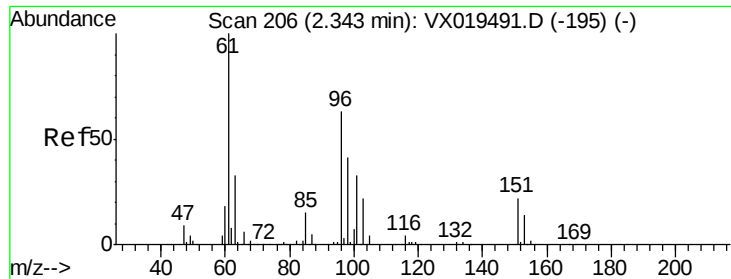
Ion Ratio Lower Upper

101 100

85 44.1 33.9 50.9

151 79.7 60.9 91.3





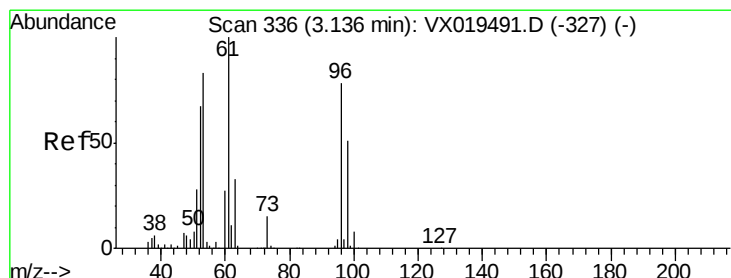
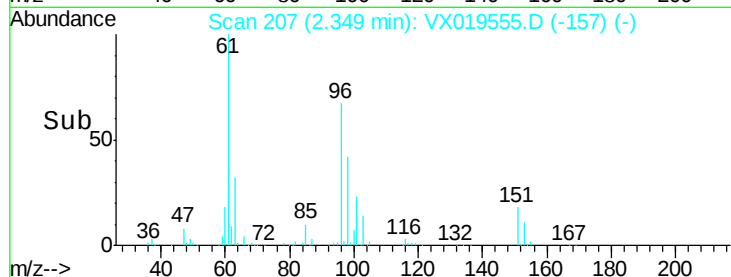
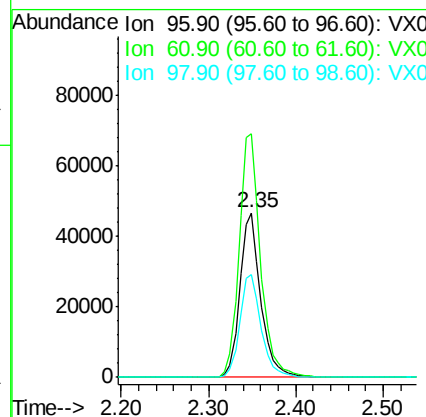
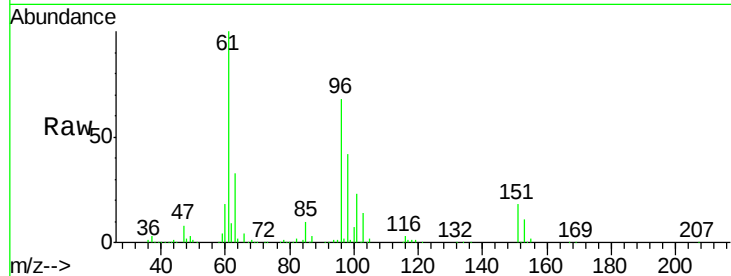
#12
 1,1-Dichloroethene
 Concen: 25.807 ug/l
 RT: 2.35 min Scan# 207
 Delta R.T. 0.01 min
 Lab File: VX019555.D
 Acq: 23 Nov 2020 17:02

Instrument :
 MSVOA_X
 ClientSampleId :
 BRP2-20201118

Tot Ion	Ratio	Lower	Upper
96	100		
61	148.1	126.0	189.0
98	62.6	52.0	78.0

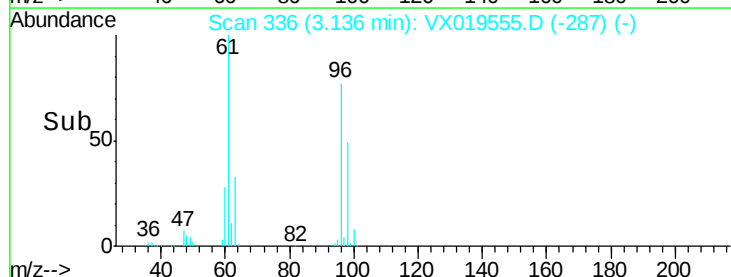
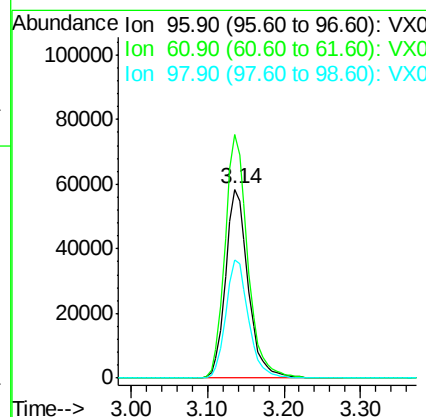
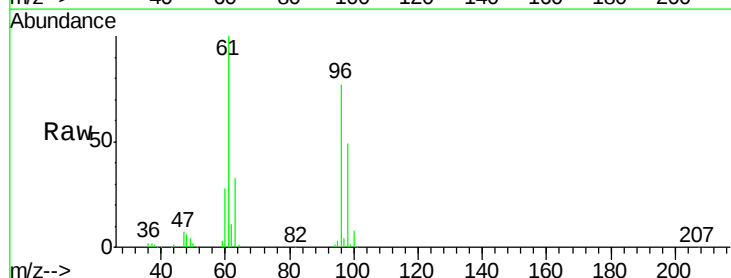
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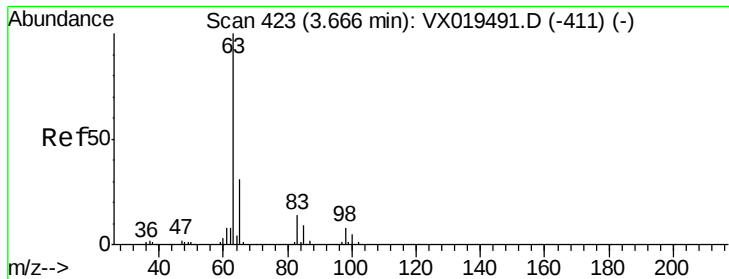
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#21
 trans-1,2-Dichloroethene
 Concen: 35.047 ug/l
 RT: 3.14 min Scan# 336
 Delta R.T. -0.00 min
 Lab File: VX019555.D
 Acq: 23 Nov 2020 17:02

Tgt Ion	Ratio	Lower	Upper
96	100		
61	129.1	102.9	154.3
98	62.6	52.1	78.1





#24

1,1-Dichloroethane

Concen: 0.532 ug/l

RT: 3.67 min Scan# 423

Delta R.T. -0.00 min

Lab File: VX019555.D

Acq: 23 Nov 2020 17:02

Instrument :

MSVOA_X

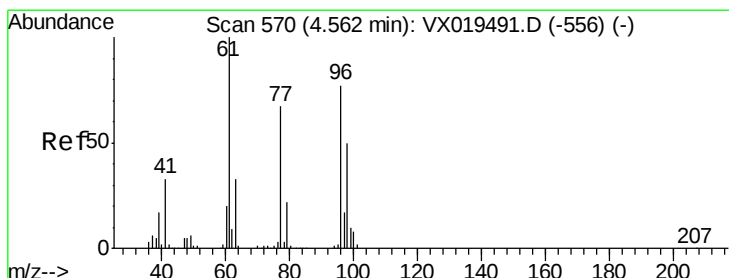
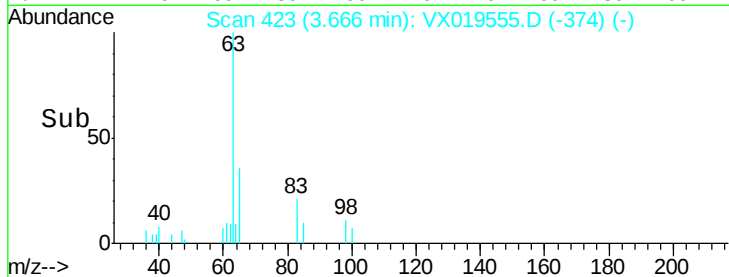
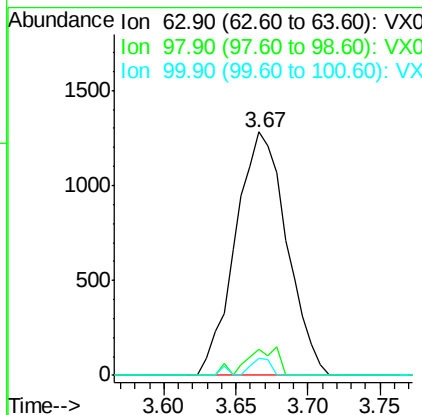
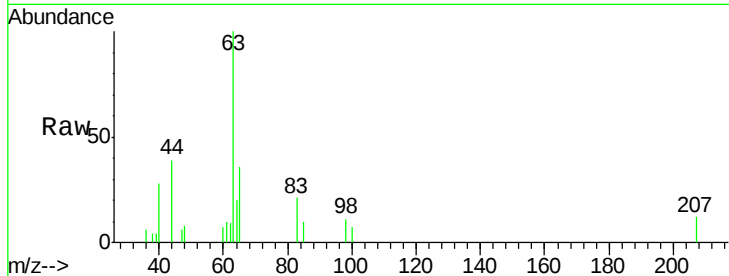
ClientSampleId :

BRP2-20201118

Tot Ion:	63	Resp:	3174
Ion	Ratio	Lower	Upper
63	100		
98	10.7	3.9	11.7
100	6.8	2.4	7.1

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#27

cis-1,2-Dichloroethene

Concen: 5596.578 ug/l

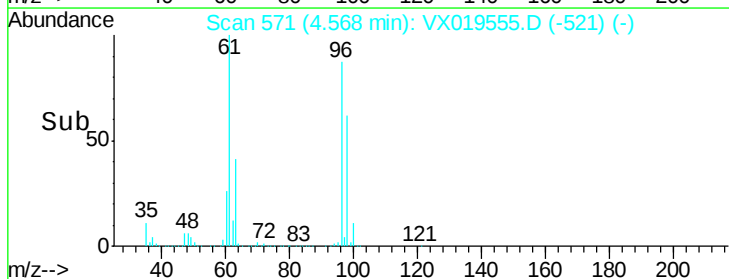
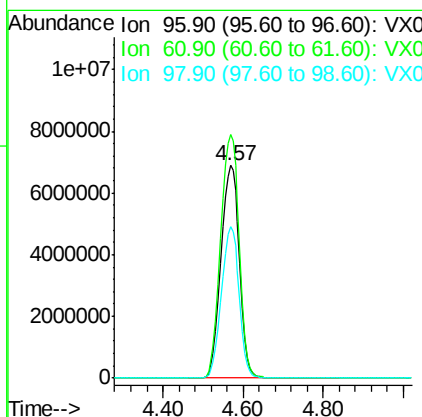
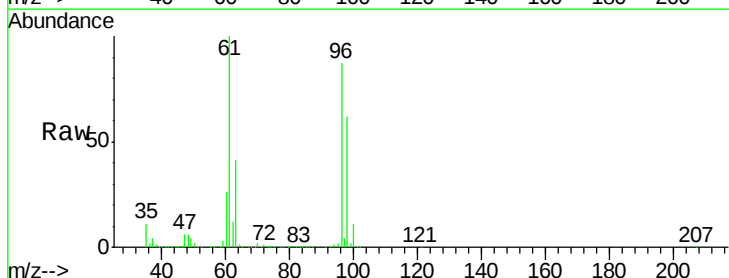
RT: 4.57 min Scan# 571

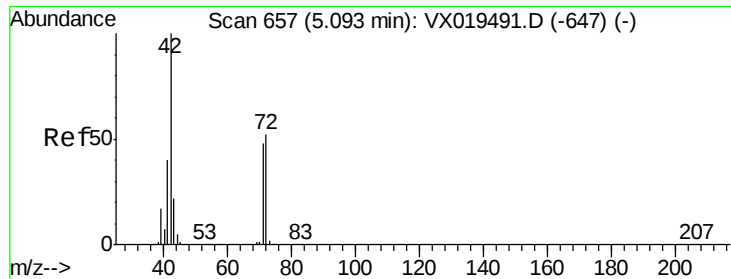
Delta R.T. 0.01 min

Lab File: VX019555.D

Acq: 23 Nov 2020 17:02

Tgt Ion:	96	Resp:	21925529
Ion	Ratio	Lower	Upper
96	100		
61	115.9	0.0	279.2
98	68.6	0.0	129.8





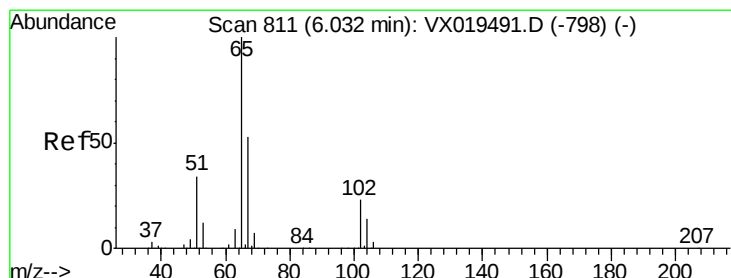
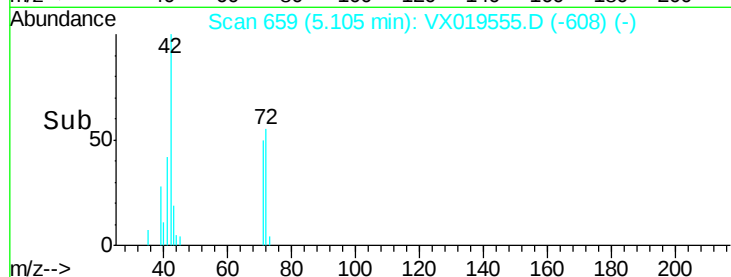
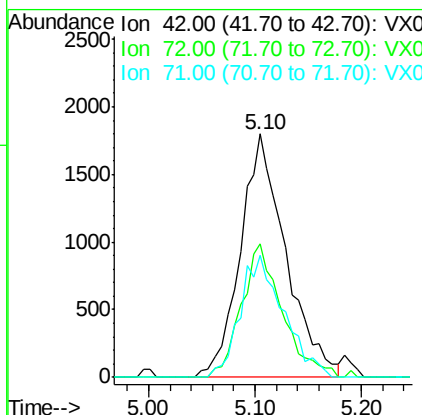
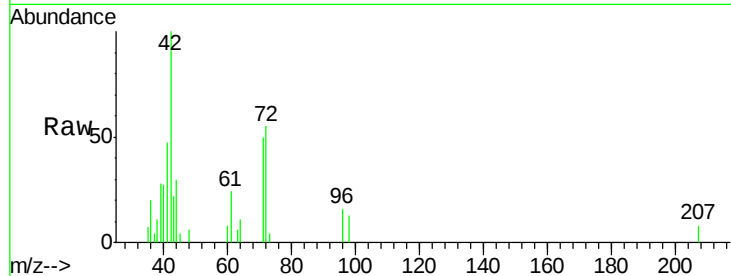
#29
Tetrahydrofuran
Concen: 3.687 ug/l
RT: 5.10 min Scan# 659
Delta R.T. 0.01 min
Lab File: VX019555.D
Acq: 23 Nov 2020 17:02

Instrument :
MSVOA_X
ClientSampleId :
BRP2-20201118

Tot Ion	Ratio	Lower	Upper
42	100		
72	49.4	42.6	63.8
71	48.1	39.0	58.6

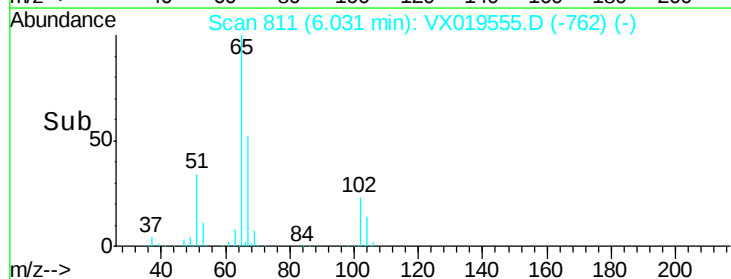
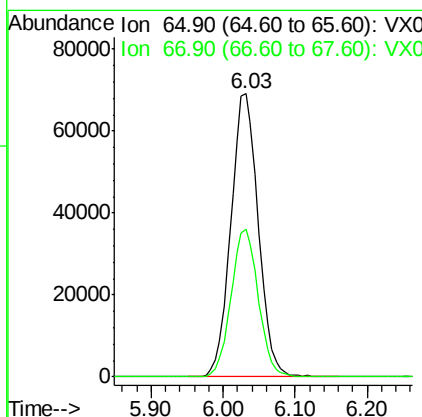
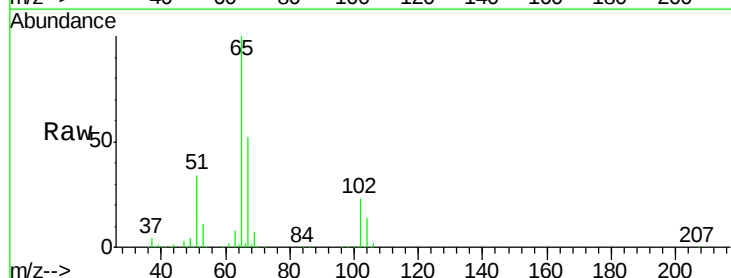
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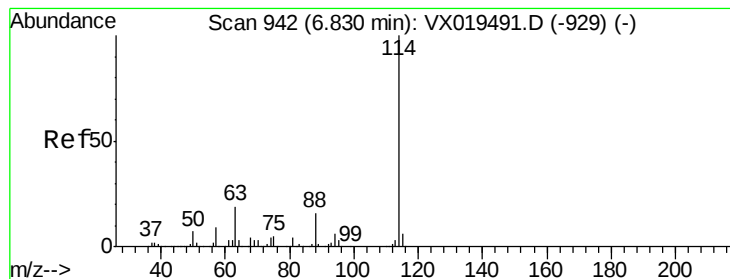
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#33
1,2-Dichloroethane-d4
Concen: 46.496 ug/l
RT: 6.03 min Scan# 811
Delta R.T. -0.00 min
Lab File: VX019555.D
Acq: 23 Nov 2020 17:02

Tgt Ion	Ratio	Lower	Upper
65	100		
67	51.7	0.0	105.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. -0.00 min

Lab File: VX019555.D

Acq: 23 Nov 2020 17:02

Instrument :

MSVOA_X

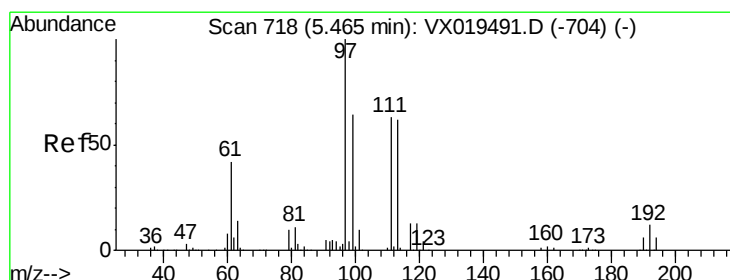
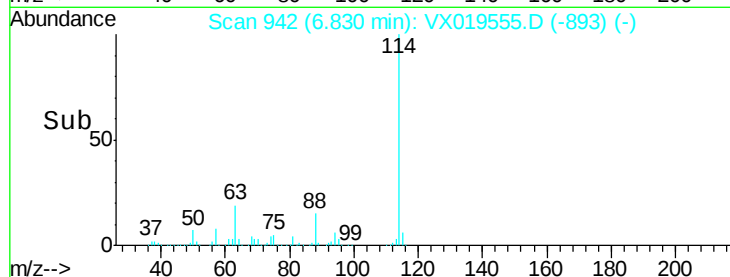
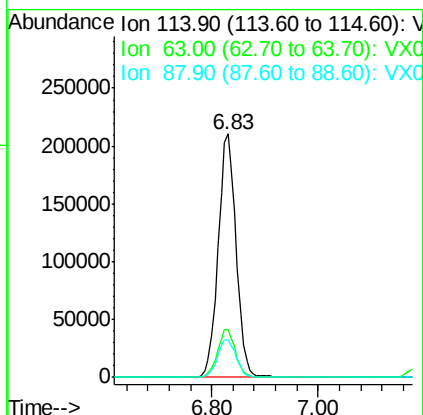
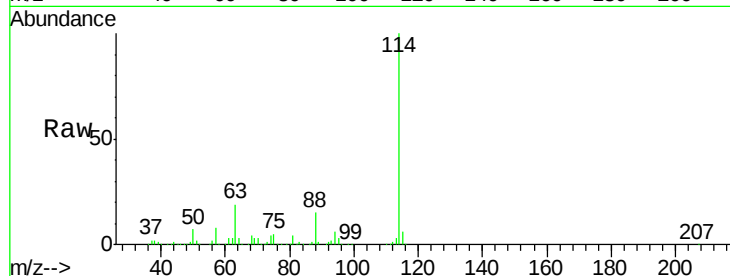
ClientSampleId :

BRP2-20201118

Tot Ion:	114	Resp:	495069
Ion Ratio	Lower	Upper	
114	100		
63	19.4	0.0	38.8
88	15.5	0.0	31.6

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#35

Dibromofluoromethane

Concen: 47.502 ug/l

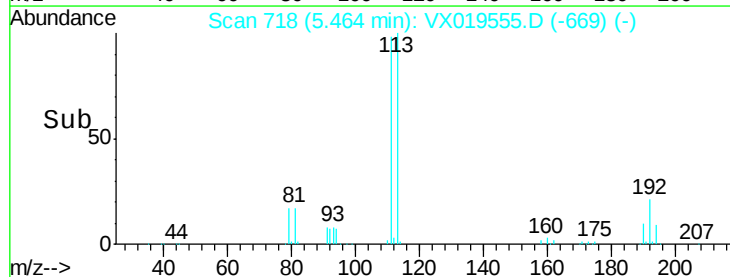
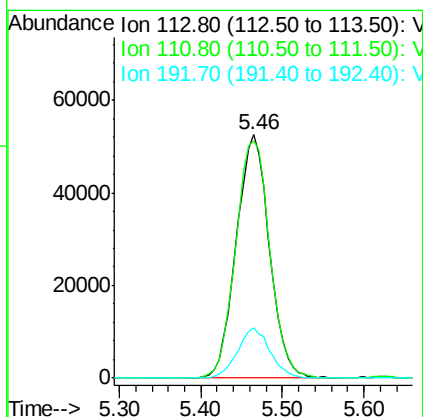
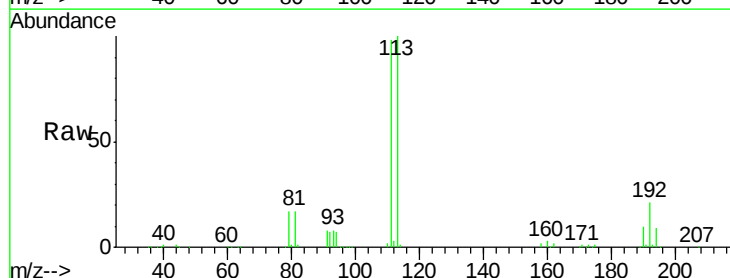
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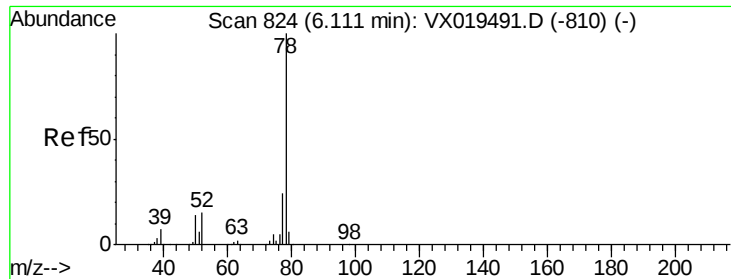
Delta R.T. -0.00 min

Lab File: VX019555.D

Acq: 23 Nov 2020 17:02

Tgt Ion:	113	Resp:	147616
Ion Ratio	Lower	Upper	
113	100		
111	101.1	81.5	122.3
192	20.2	16.2	24.2





#40

Benzene

Concen: 0.468 ug/l

RT: 6.11 min Scan# 824

Delta R.T. -0.00 min

Lab File: VX019555.D

Acq: 23 Nov 2020 17:02

Instrument :

MSVOA_X

ClientSampleId :

BRP2-20201118

Tot Ion: 78 Resp: 6668

Ion Ratio Lower Upper

78 100

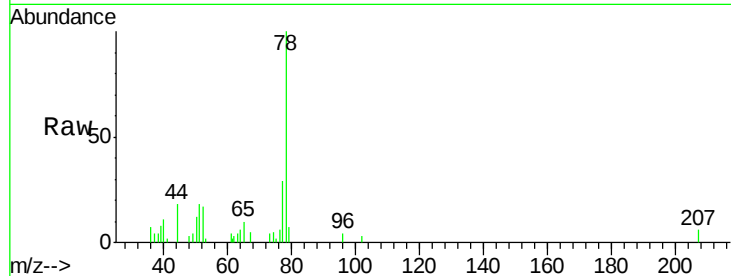
77 28.8 18.9 28.3#

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Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0

6.11

3000

2500

2000

1500

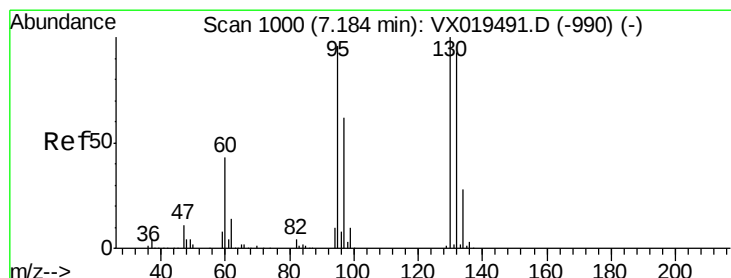
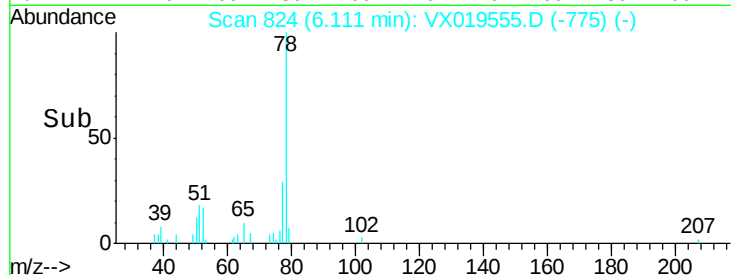
1000

500

0

Time-->

6.00 6.05 6.10 6.15 6.20



#44

Trichloroethene

Concen: 1805.888 ug/l

RT: 7.19 min Scan# 1001

Delta R.T. 0.01 min

Lab File: VX019555.D

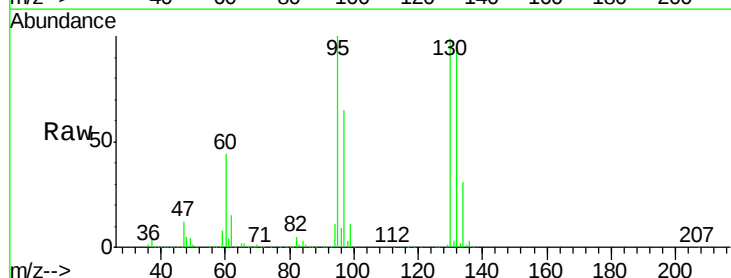
Acq: 23 Nov 2020 17:02

Tgt Ion:130 Resp: 6745591

Ion Ratio Lower Upper

130 100

95 100.9 0.0 191.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

7.19

3000000

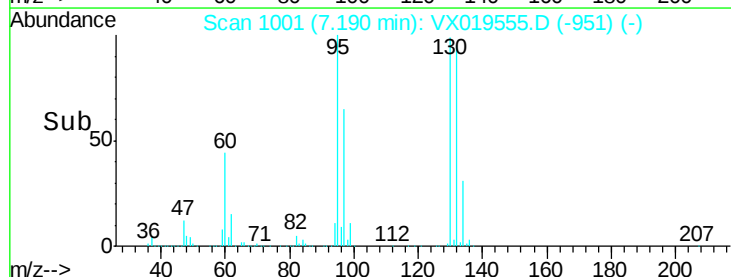
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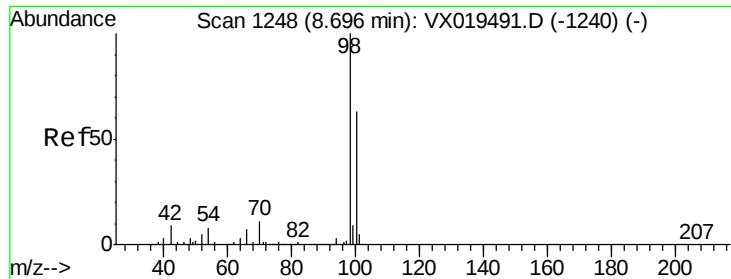
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0

Time-->

7.00 7.20 7.40





#50

Toluene-d8

Concen: 47.356 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX019555.D

Acq: 23 Nov 2020 17:02

Instrument :

MSVOA_X

ClientSampleId :

BRP2-20201118

Tot Ion: 98 Resp: 571857

Ion Ratio Lower Upper

98 100

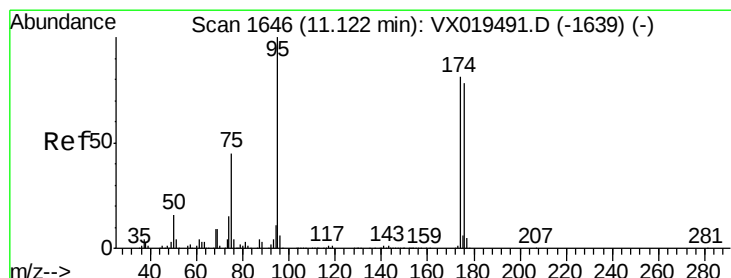
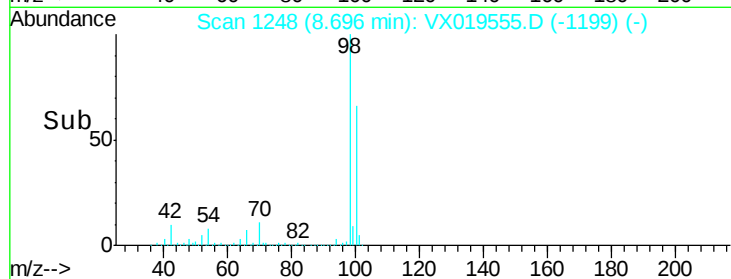
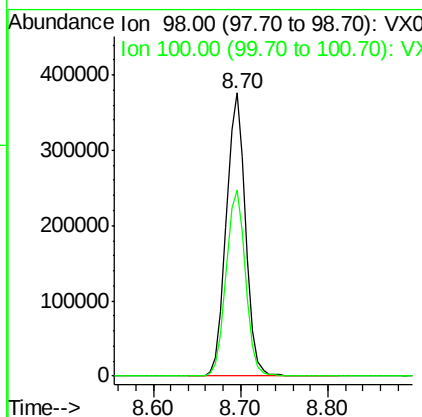
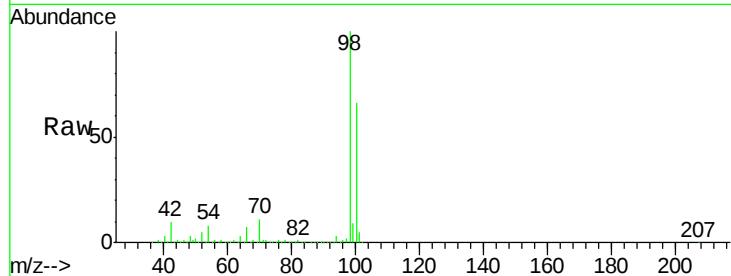
100 66.7 52.4 78.6

Manual Integrations

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#62

4-Bromofluorobenzene

Concen: 44.402 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX019555.D

Acq: 23 Nov 2020 17:02

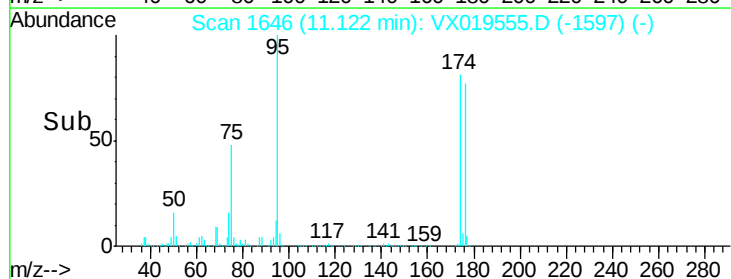
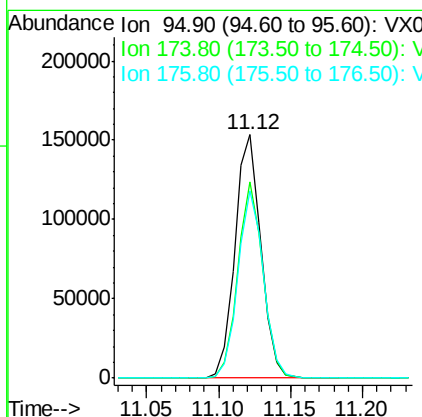
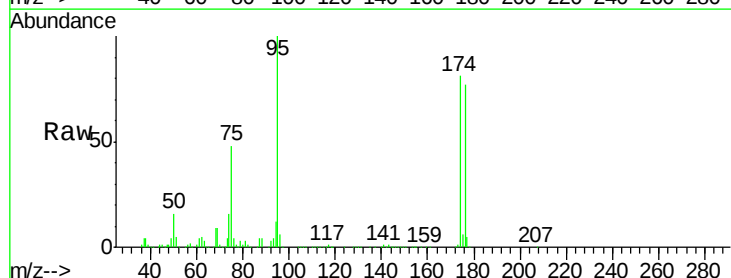
Tgt Ion: 95 Resp: 192910

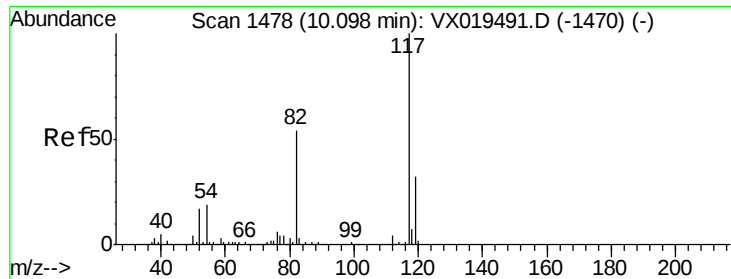
Ion Ratio Lower Upper

95 100

174 77.6 0.0 156.2

176 75.5 0.0 151.4





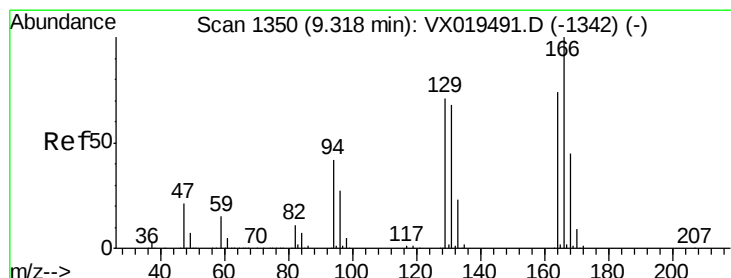
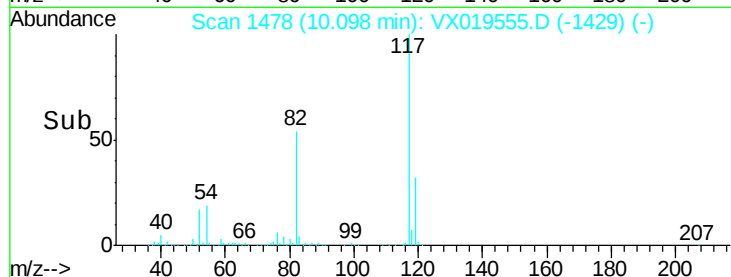
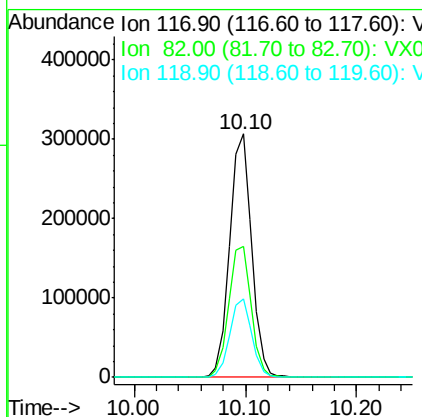
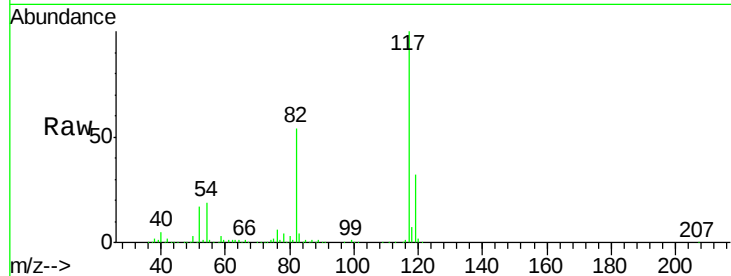
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX019555.D
Acq: 23 Nov 2020 17:02

Instrument :
MSVOA_X
ClientSampleId :
BRP2-20201118

Tot Ion	Ratio	Resp	Lower	Upper
117	100	419000		
82	53.7		43.0	64.4
119	32.1		25.6	38.4

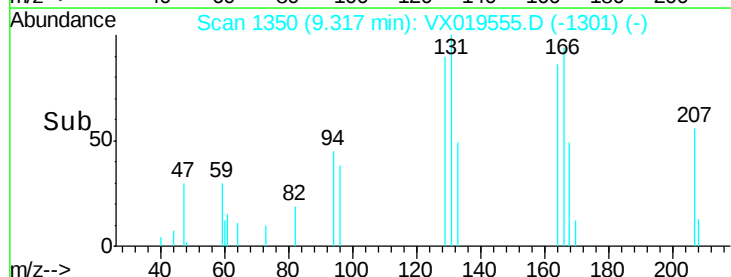
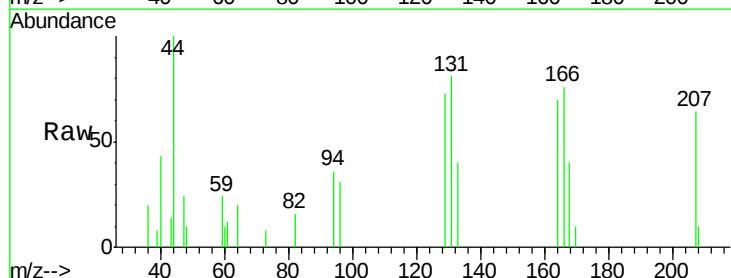
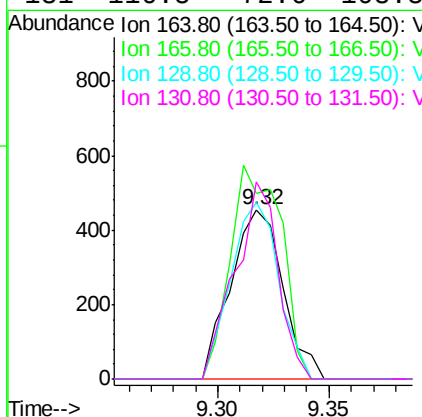
Manual Integrations
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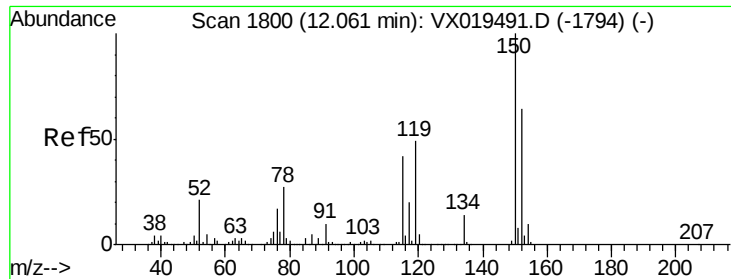
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#64
Tetrachloroethene
Concen: 0.226 ug/l
RT: 9.32 min Scan# 1350
Delta R.T. -0.00 min
Lab File: VX019555.D
Acq: 23 Nov 2020 17:02

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	744		
166	109.5		107.4	161.0
129	104.4		76.6	114.8
131	116.5		72.6	108.8#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX019555.D

Acq: 23 Nov 2020 17:02

Instrument :

MSVOA_X

ClientSampleId :

BRP2-20201118

Tot Ion	Ratio	Resp	Lower	Upper
152	100	171951		
115	61.0	41.8	125.4	
150	158.4	0.0	348.2	

Manual Integrations
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