

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062620\
 Data File : VX016978.D
 Acq On : 26 Jun 2020 13:13
 Operator : JC/SP
 Sample : L3112-07
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BRP3-20200624

Quant Time: Jun 27 03:02:11 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062620W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 26 08:34:16 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	204577	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	374752	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	376080	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	188469	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.03	65	169141	54.75	ug/l	0.00
Spiked Amount			Recovery	=	109.50%	
35) Dibromofluoromethane	5.46	113	124655	50.36	ug/l	0.00
Spiked Amount			Recovery	=	100.72%	
50) Toluene-d8	8.70	98	471247	51.94	ug/l	0.00
Spiked Amount			Recovery	=	103.88%	
62) 4-Bromofluorobenzene	11.12	95	192364	54.83	ug/l	0.00
Spiked Amount			Recovery	=	109.66%	

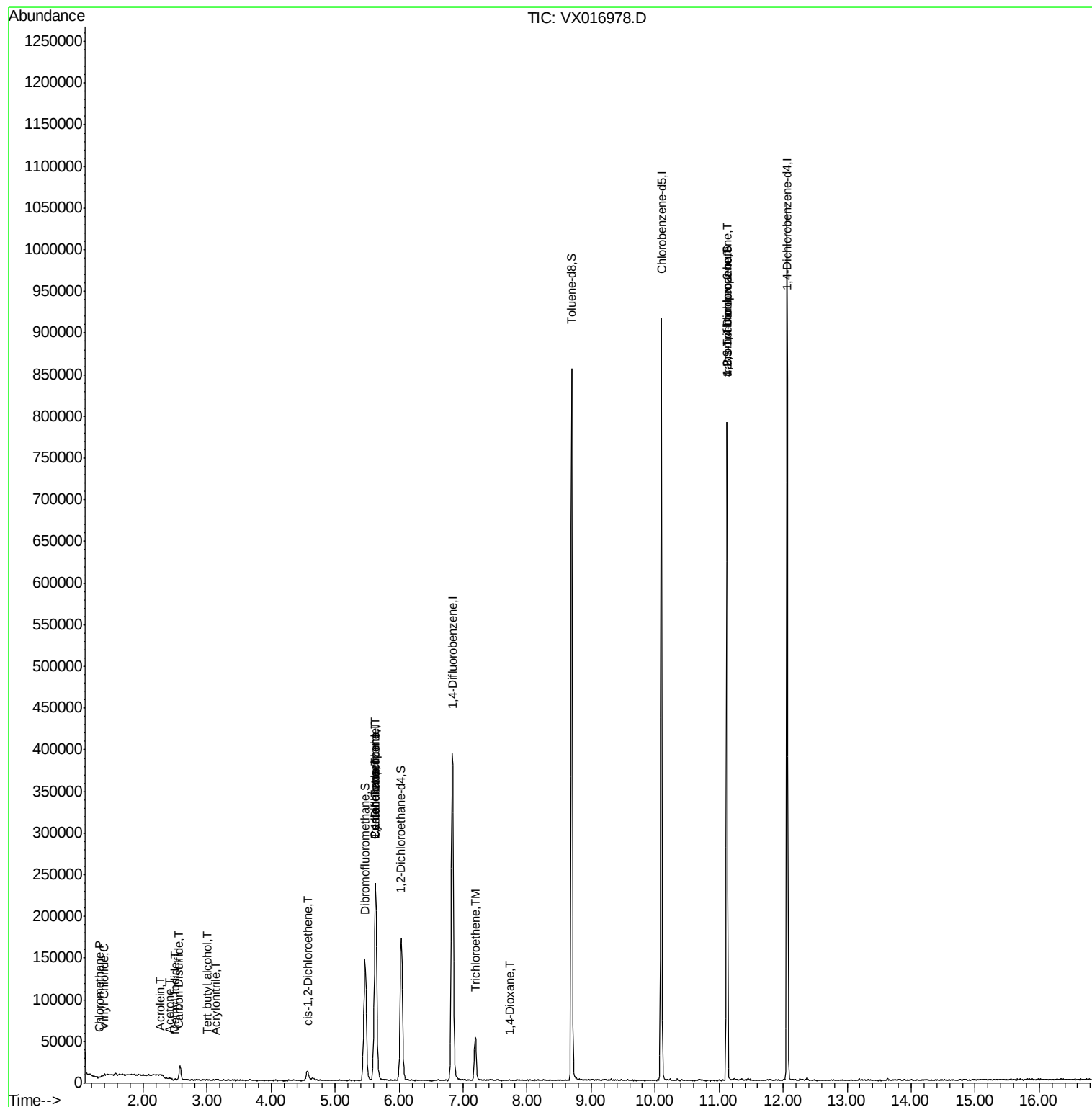
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	560	0.223	ug/l #	62
4) Vinyl Chloride	1.39	62	1252	0.488	ug/l #	78
5) Bromomethane	1.64	94	412	Below Cal	#	64
10) Methyl Iodide	2.50	142	158	2.836	ug/l #	59
11) Tert butyl alcohol	3.01	59	309	0.530	ug/l #	40
13) Acrolein	2.27	56	315	0.729	ug/l #	14
15) Acrylonitrile	3.13	53	333	0.246	ug/l #	38
16) Acetone	2.42	43	2077	1.720	ug/l #	70
17) Carbon Disulfide	2.56	76	1941	0.270	ug/l #	78
27) cis-1,2-Dichloroethene	4.56	96	7206	2.545	ug/l	87
31) Cyclohexane	5.63	56	6201	1.599	ug/l #	38
36) 1,1-Dichloropropene	5.63	75	19142	5.159	ug/l #	50
38) Carbon Tetrachloride	5.63	117	23049	5.869	ug/l #	15
44) Trichloroethene	7.19	130	18797	6.608	ug/l	88
49) 1,4-Dioxane	7.72	88	52	0.798	ug/l #	1
76) 1,2,3-Trichloropropane	11.12	75	107916	27.284	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	107916	69.271	ug/l #	9

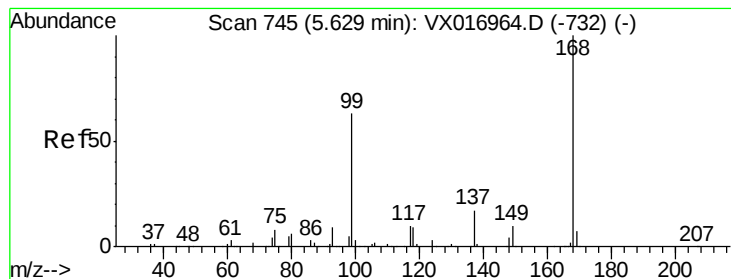
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Jun 26 08:34:16 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: VX016978.D

Acq: 26 Jun 2020 13:13

Instrument :

MSVOA_X

ClientSampleId :

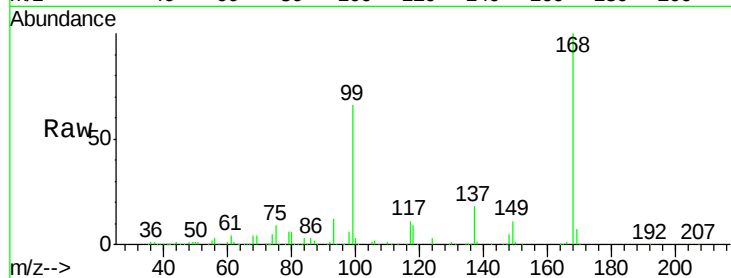
BRP3-20200624

Tot Ion:168 Resp: 204577

Ion Ratio Lower Upper

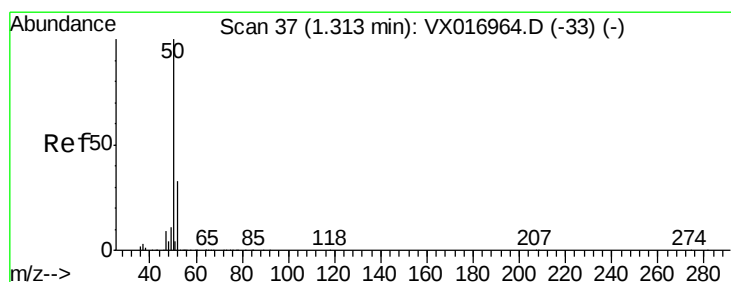
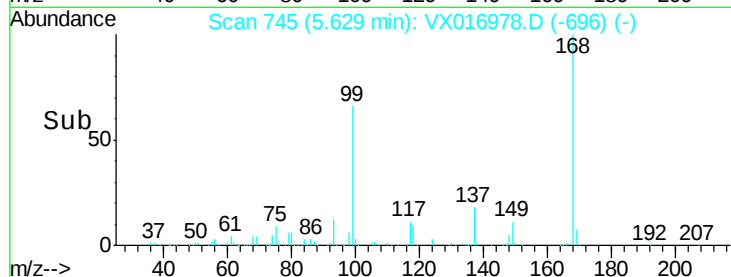
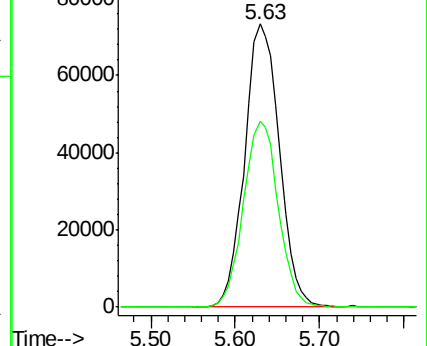
168 100

99 65.8 50.2 75.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.223 ug/l

RT: 1.32 min Scan# 38

Delta R.T. 0.01 min

Lab File: VX016978.D

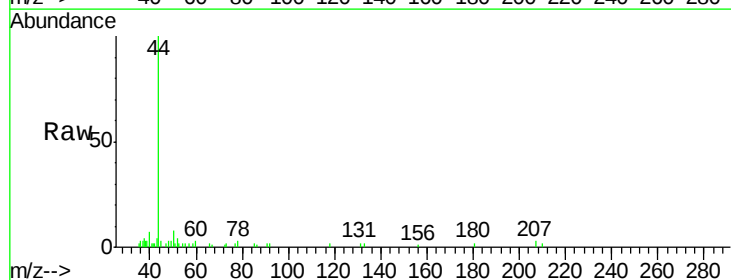
Acq: 26 Jun 2020 13:13

Tgt Ion: 50 Resp: 560

Ion Ratio Lower Upper

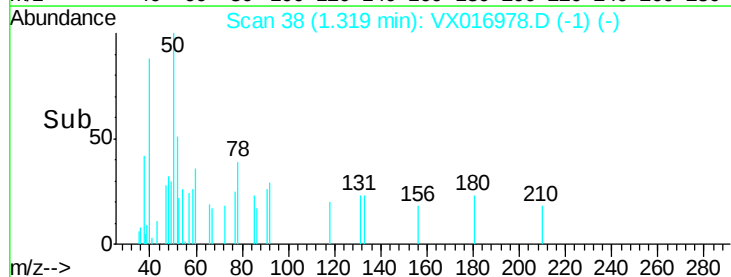
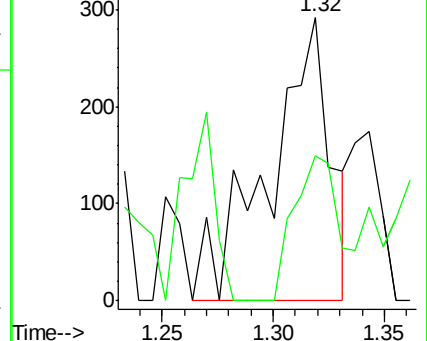
50 100

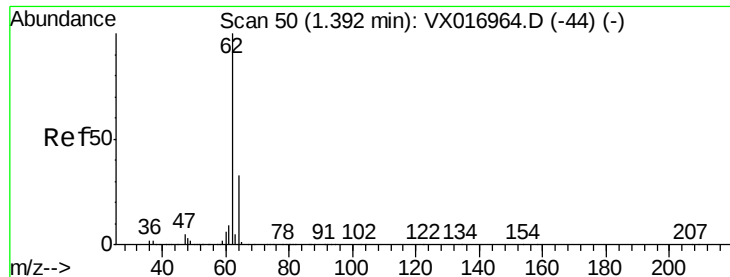
52 54.8 26.6 40.0#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#4

Vinyl Chloride

Concen: 0.488 ug/l

RT: 1.39 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX016978.D

Acq: 26 Jun 2020 13:13

Instrument :

MSVOA_X

ClientSampleId :

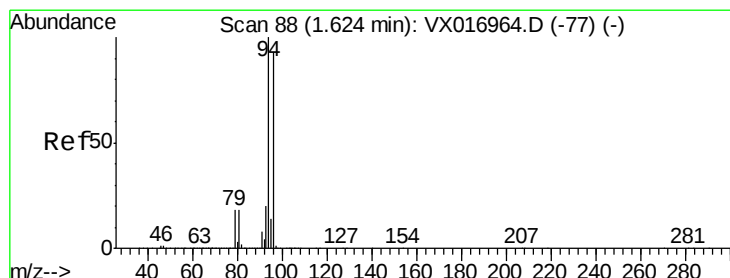
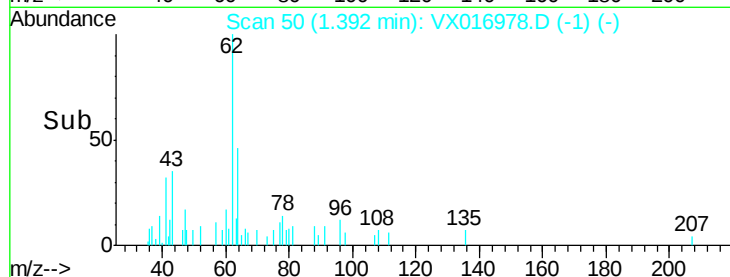
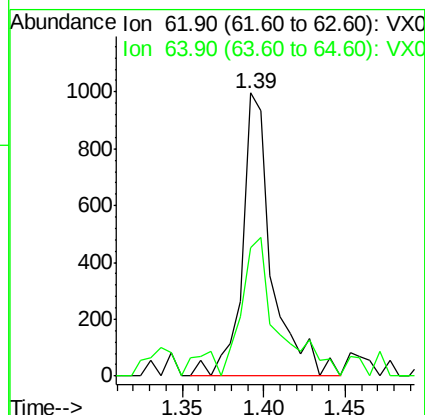
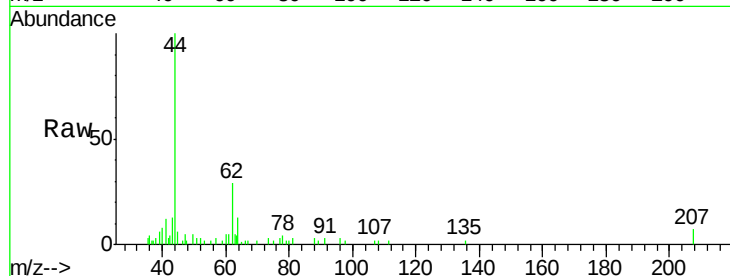
BRP3-20200624

Tot Ion: 62 Resp: 1252

Ion Ratio Lower Upper

62 100

64 45.6 26.3 39.5#



#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 91

Delta R.T. 0.02 min

Lab File: VX016978.D

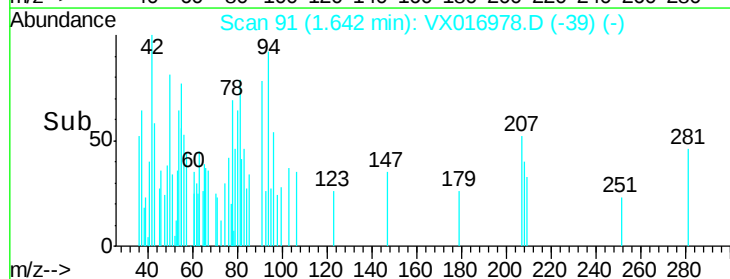
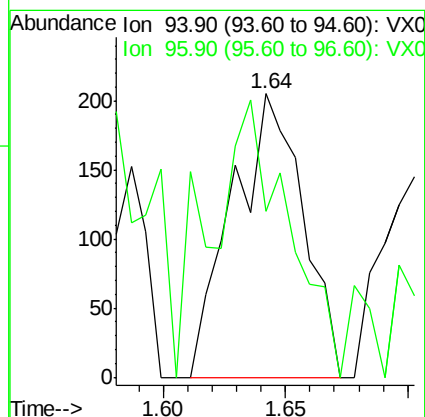
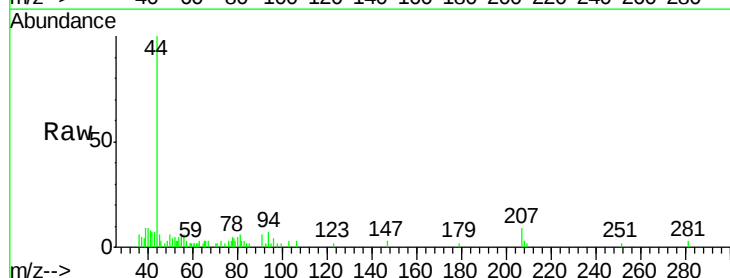
Acq: 26 Jun 2020 13:13

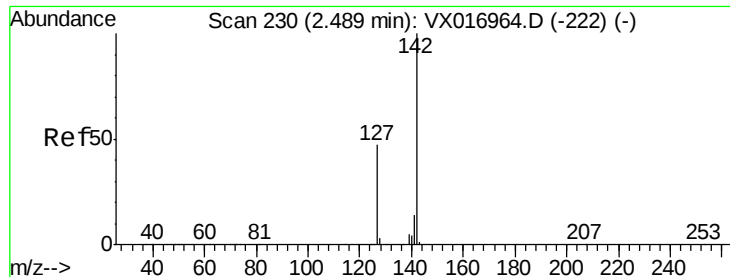
Tgt Ion: 94 Resp: 412

Ion Ratio Lower Upper

94 100

96 58.5 74.2 111.2#

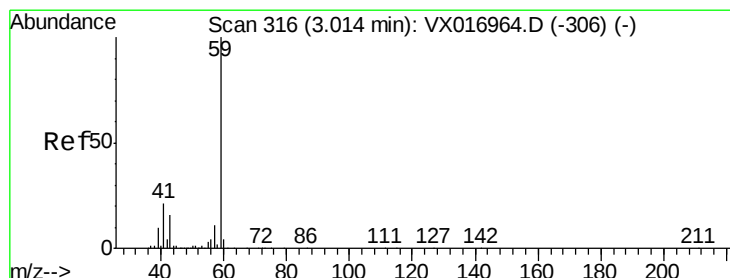
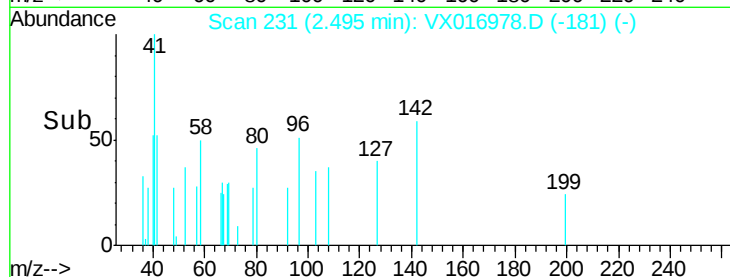
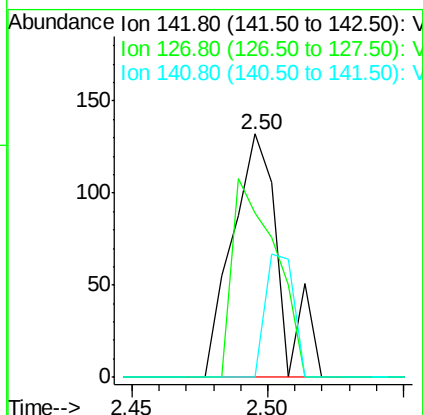
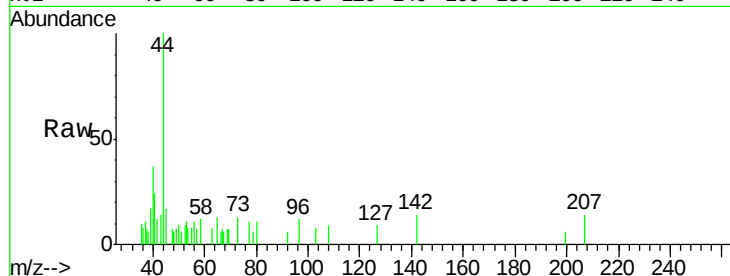




#10
Methyl Iodide
Concen: 2.836 ug/l
RT: 2.50 min Scan# 231
Delta R.T. 0.01 min
Lab File: VX016978.D
Acq: 26 Jun 2020 13:13

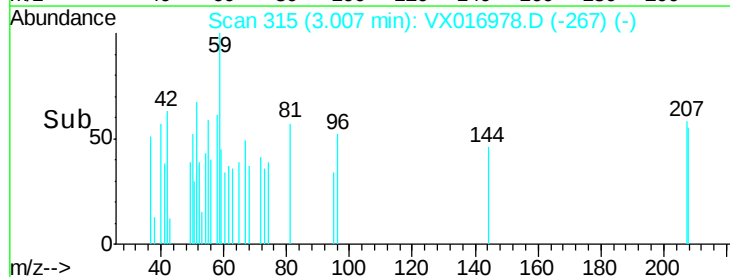
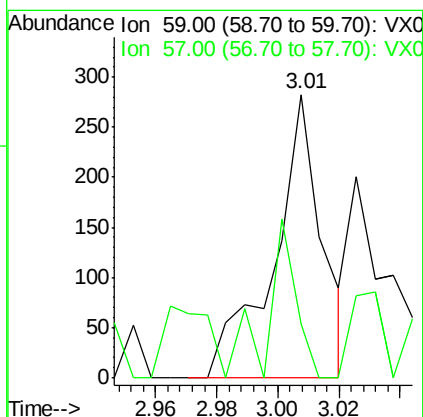
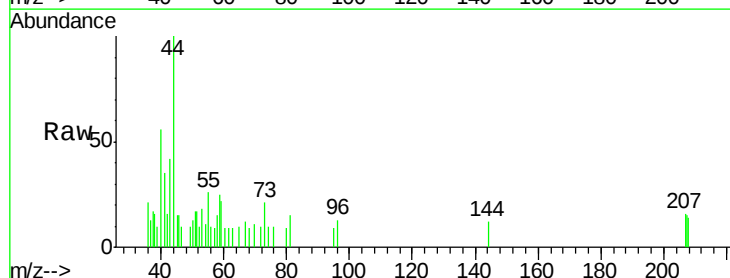
Instrument :
MSVOA_X
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BRP3-20200624

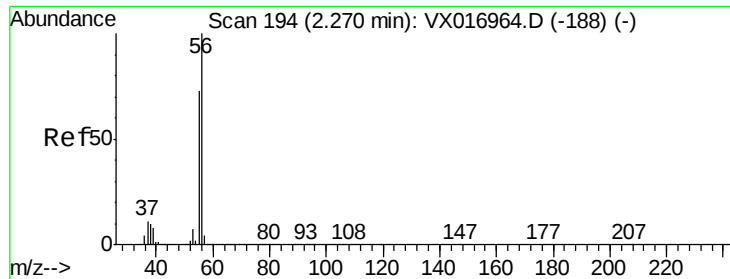
Tot Ion:142 Resp: 158
Ion Ratio Lower Upper
142 100
127 74.7 37.4 56.0#
141 30.4 11.7 17.5#



#11
Tert butyl alcohol
Concen: 0.530 ug/l
RT: 3.01 min Scan# 315
Delta R.T. -0.01 min
Lab File: VX016978.D
Acq: 26 Jun 2020 13:13

Tgt Ion: 59 Resp: 309
Ion Ratio Lower Upper
59 100
57 33.0 8.5 12.7#

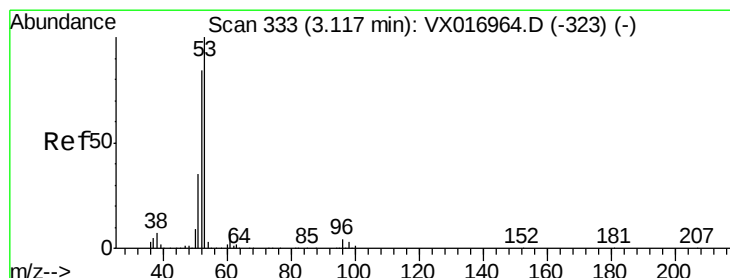
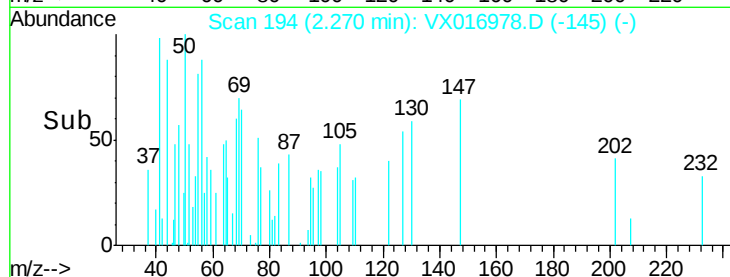
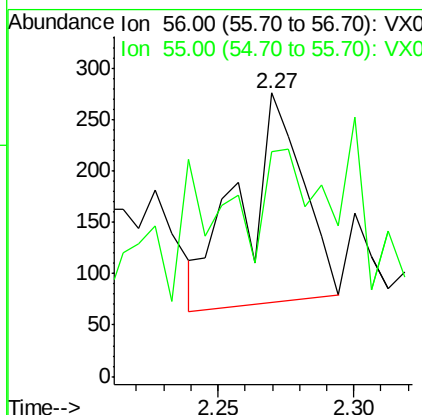
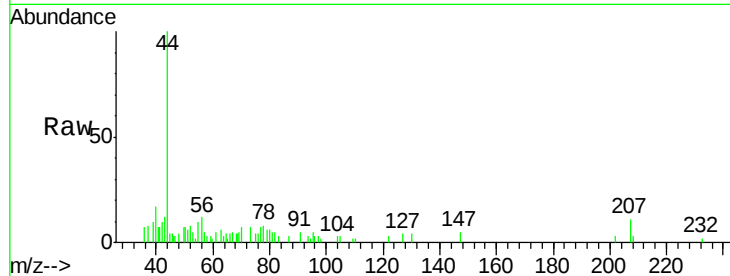




#13
Acrolein
Concen: 0.729 ug/l
RT: 2.27 min Scan# 194
Delta R.T. -0.00 min
Lab File: VX016978.D
Acq: 26 Jun 2020 13:13

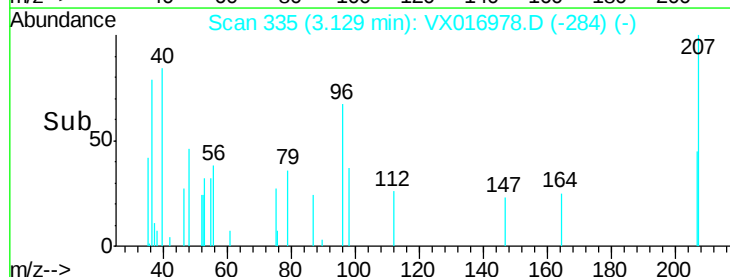
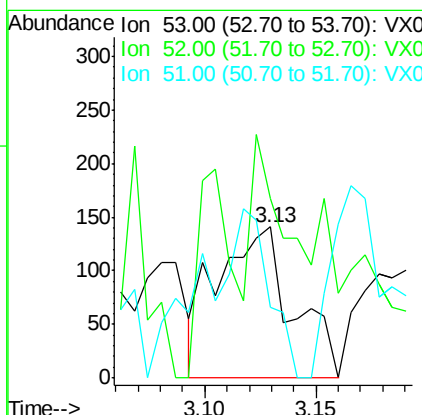
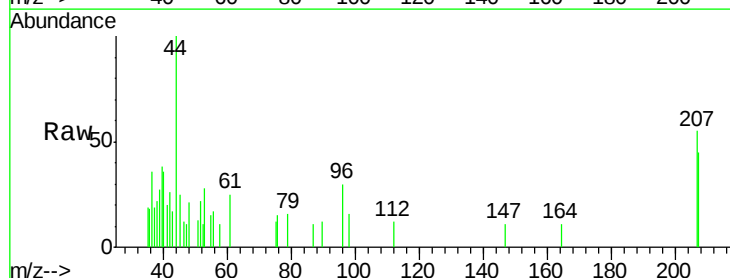
Instrument :
MSVOA_X
ClientSampleId :
BRP3-20200624

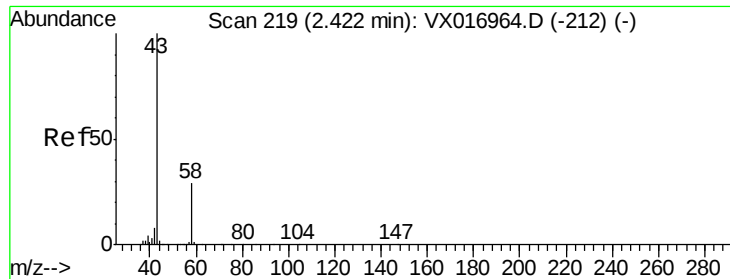
Tot Ion: 56 Resp: 315
Ion Ratio Lower Upper
56 100
55 0.0 57.5 86.3#



#15
Acrylonitrile
Concen: 0.246 ug/l
RT: 3.13 min Scan# 335
Delta R.T. 0.01 min
Lab File: VX016978.D
Acq: 26 Jun 2020 13:13

Tgt Ion: 53 Resp: 333
Ion Ratio Lower Upper
53 100
52 44.1 66.3 99.5#
51 99.1 29.0 43.6#





#16

Acetone

Concen: 1.720 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX016978.D

Acq: 26 Jun 2020 13:13

Instrument :

MSVOA_X

ClientSampleId :

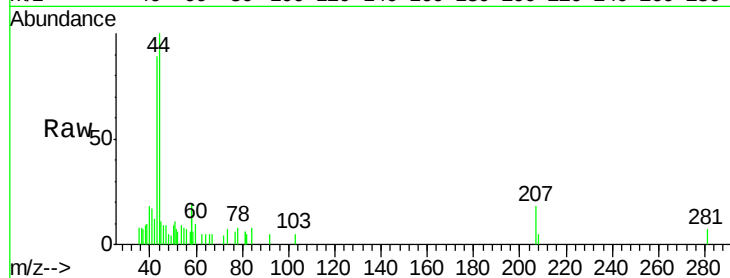
BRP3-20200624

Tot Ion: 43 Resp: 2077

Ion Ratio Lower Upper

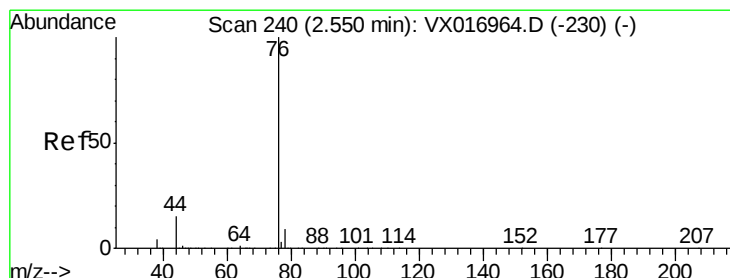
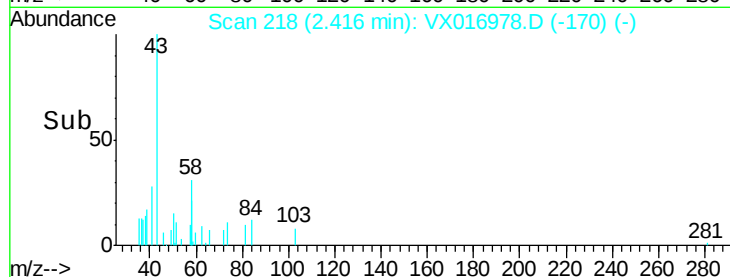
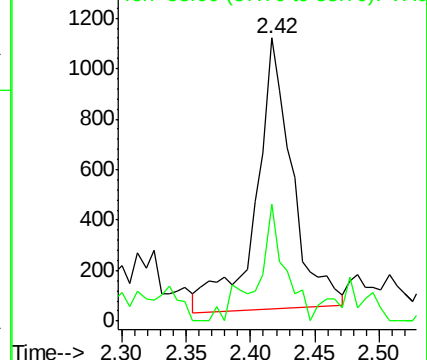
43 100

58 45.5 23.5 35.3#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#17

Carbon Disulfide

Concen: 0.270 ug/l

RT: 2.56 min Scan# 241

Delta R.T. 0.01 min

Lab File: VX016978.D

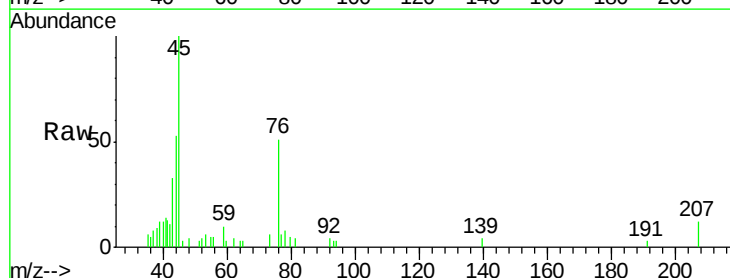
Acq: 26 Jun 2020 13:13

Tgt Ion: 76 Resp: 1941

Ion Ratio Lower Upper

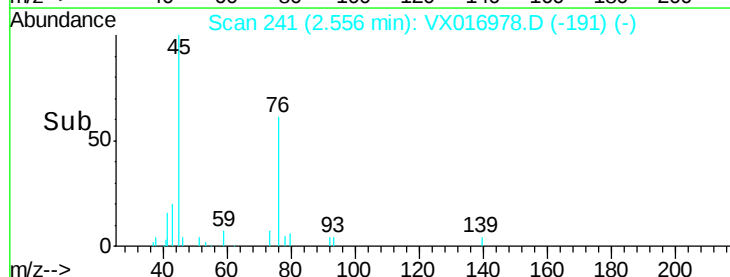
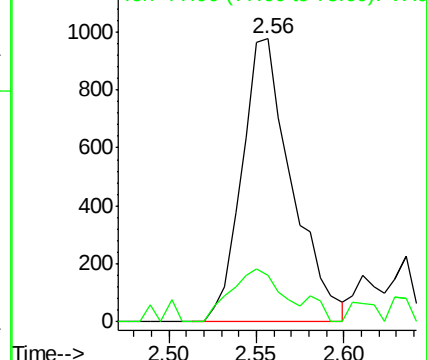
76 100

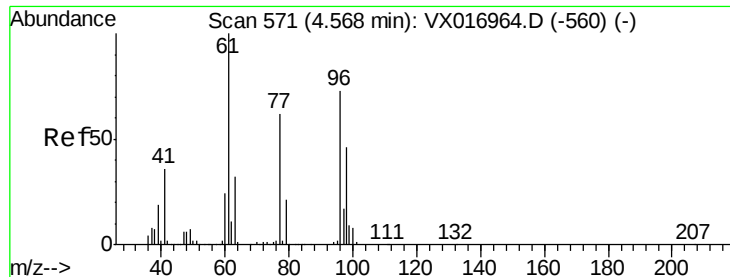
78 16.6 7.0 10.4#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0





#27

cis-1,2-Dichloroethene

Concen: 2.545 ug/l

RT: 4.56 min Scan# 570

Delta R.T. -0.01 min

Lab File: VX016978.D

Acq: 26 Jun 2020 13:13

Instrument :

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BRP3-20200624

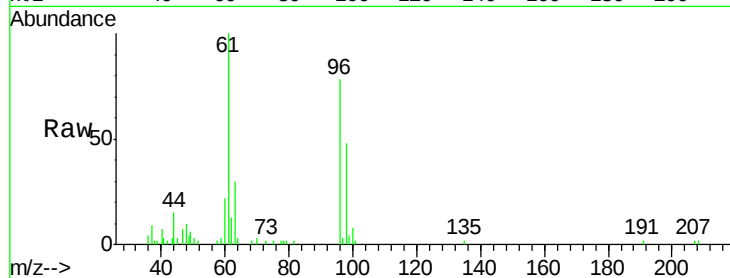
Tot Ion: 96 Resp: 7206

Ion Ratio Lower Upper

96 100

61 133.2 0.0 307.2

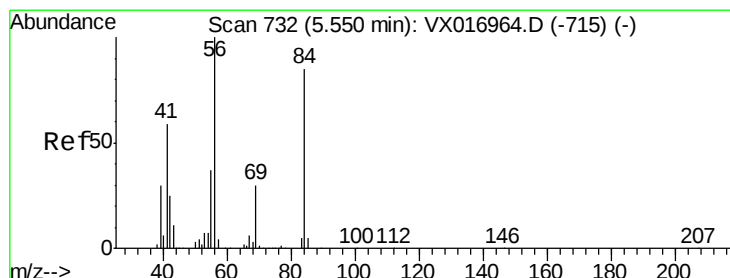
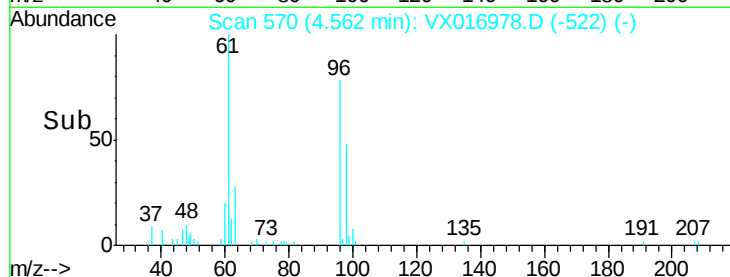
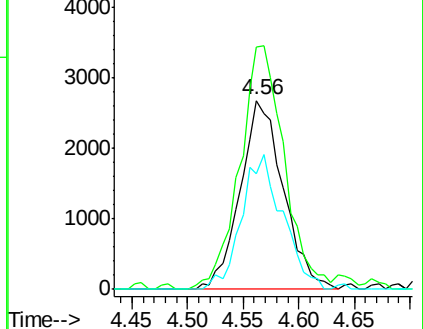
98 68.2 0.0 128.4



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#31

Cyclohexane

Concen: 1.599 ug/l

RT: 5.63 min Scan# 745

Delta R.T. 0.08 min

Lab File: VX016978.D

Acq: 26 Jun 2020 13:13

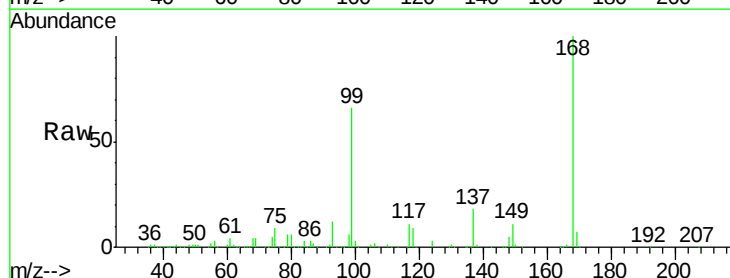
Tgt Ion: 56 Resp: 6201

Ion Ratio Lower Upper

56 100

69 133.3 23.6 35.4#

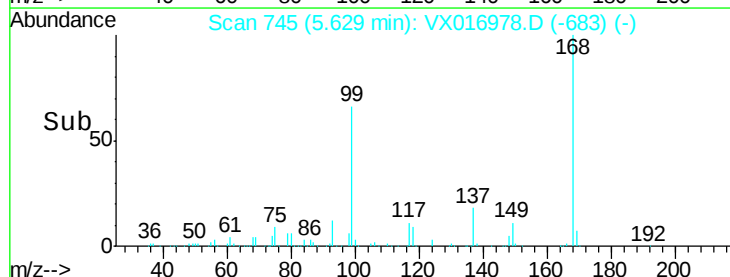
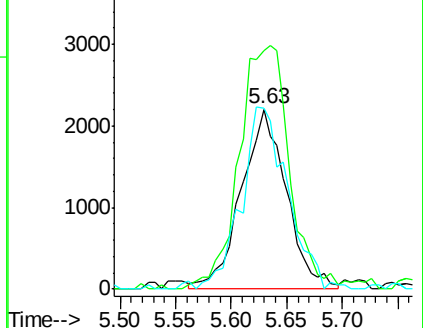
84 100.3 67.8 101.8

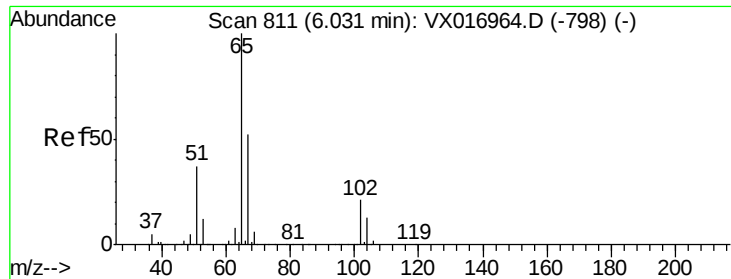


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

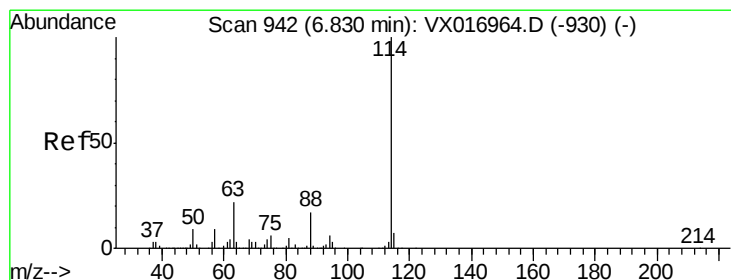
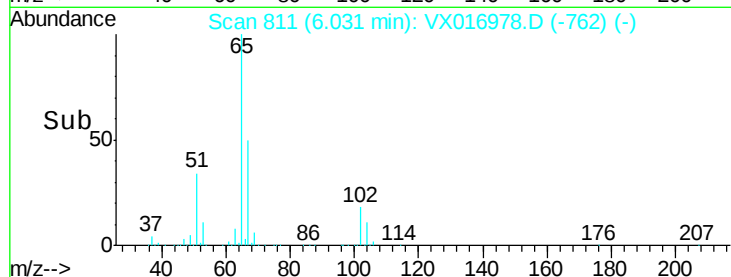
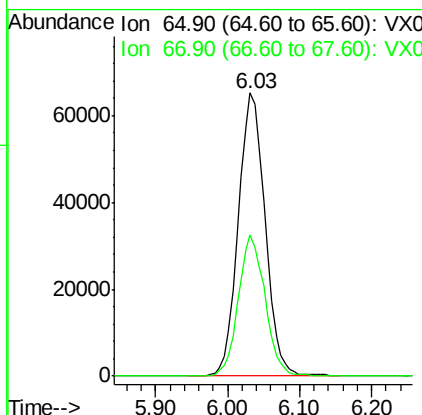
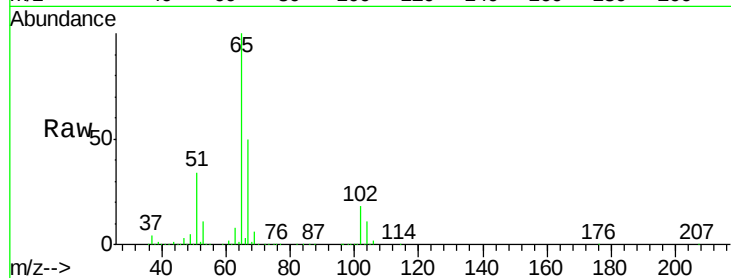




#33
 1,2-Dichloroethane-d4
 Concen: 54.750 ug/l
 RT: 6.03 min Scan# 811
 Delta R.T. -0.00 min
 Lab File: VX016978.D
 Acq: 26 Jun 2020 13:13

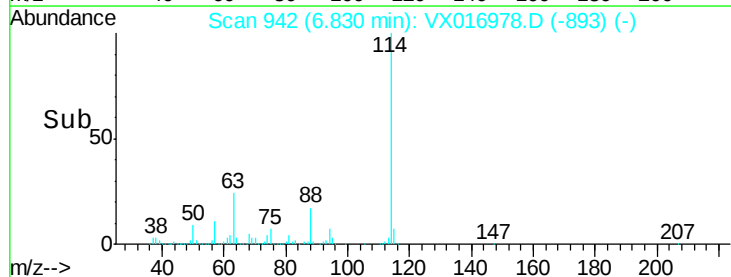
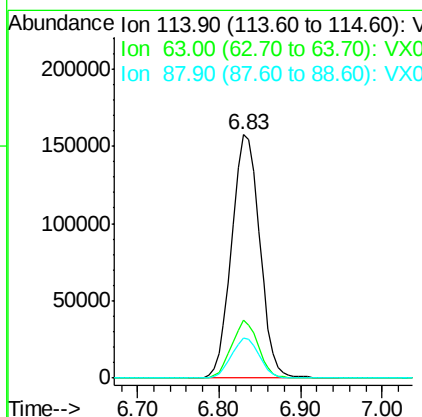
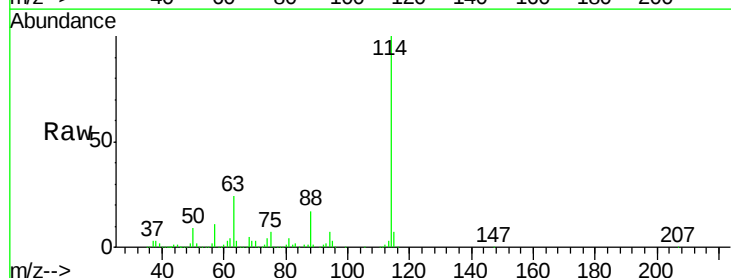
Instrument :
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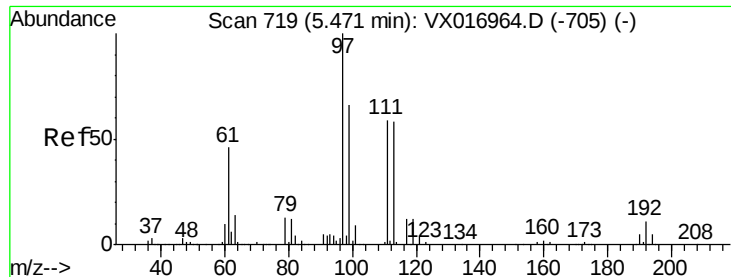
Tot Ion: 65 Resp: 169141
 Ion Ratio Lower Upper
 65 100
 67 49.4 0.0 102.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. -0.00 min
 Lab File: VX016978.D
 Acq: 26 Jun 2020 13:13

Tgt Ion: 114 Resp: 374752
 Ion Ratio Lower Upper
 114 100
 63 23.7 0.0 44.4
 88 16.7 0.0 33.2

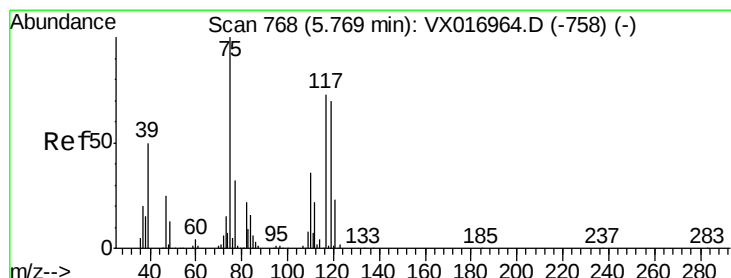
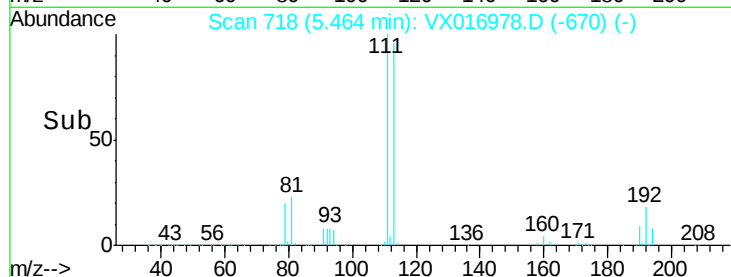
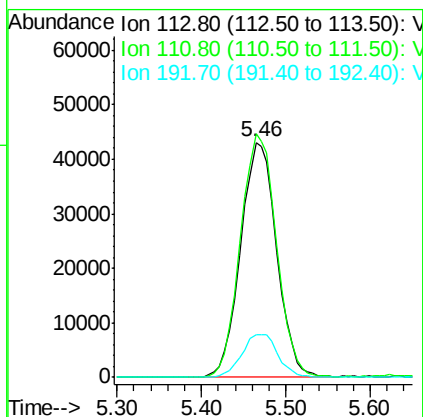
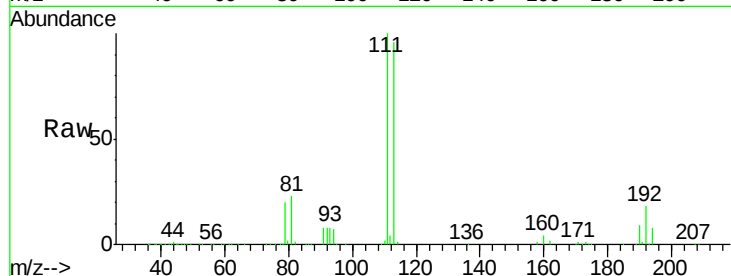




#35
 Dibromofluoromethane
 Concen: 50.362 ug/l
 RT: 5.46 min Scan# 718
 Delta R.T. -0.01 min
 Lab File: VX016978.D
 Acq: 26 Jun 2020 13:13

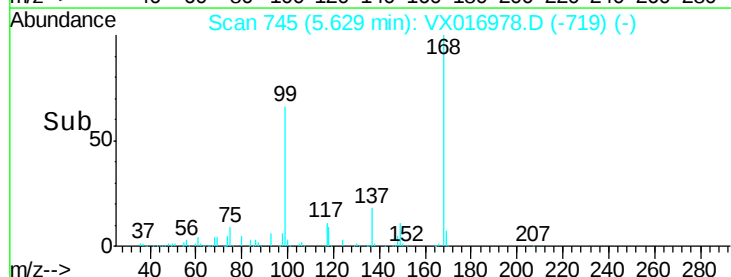
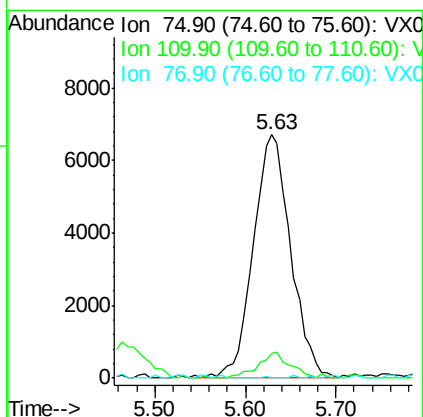
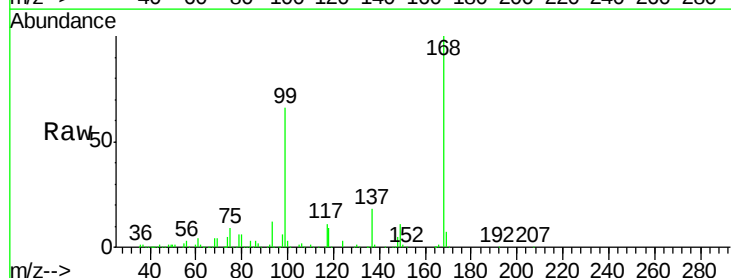
Instrument :
 MSVOA_X
 ClientSampleId :
 BRP3-20200624

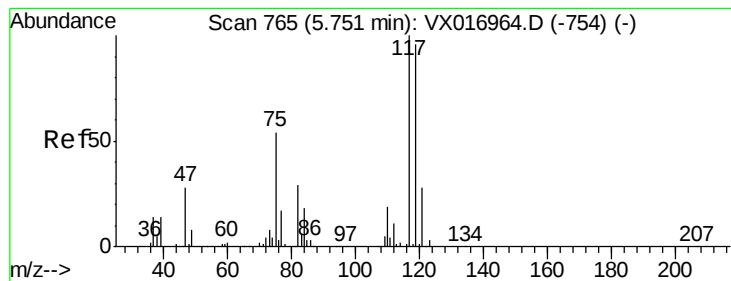
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.6	84.3	126.5
192	18.4	15.2	22.8



#36
 1,1-Dichloropropene
 Concen: 5.159 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.14 min
 Lab File: VX016978.D
 Acq: 26 Jun 2020 13:13

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.0	17.2	51.6#
77	0.1	24.7	37.1#





#38

Carbon Tetrachloride

Concen: 5.869 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.12 min

Lab File: VX016978.D

Acq: 26 Jun 2020 13:13

Instrument :

MSVOA_X

ClientSampleId :

BRP3-20200624

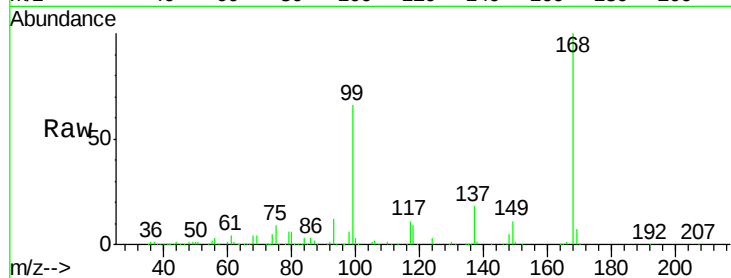
Tot Ion:117 Resp: 23049

Ion Ratio Lower Upper

117 100

119 4.2 76.6 114.8#

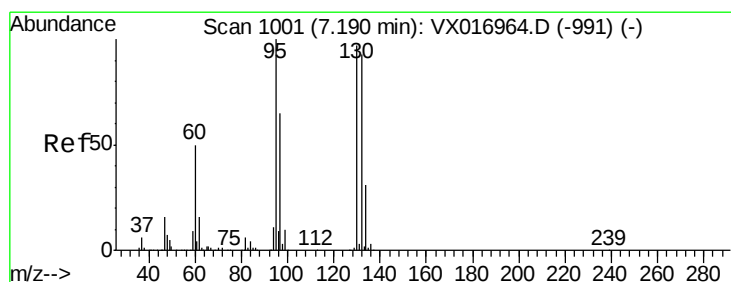
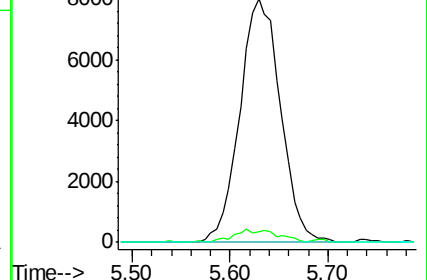
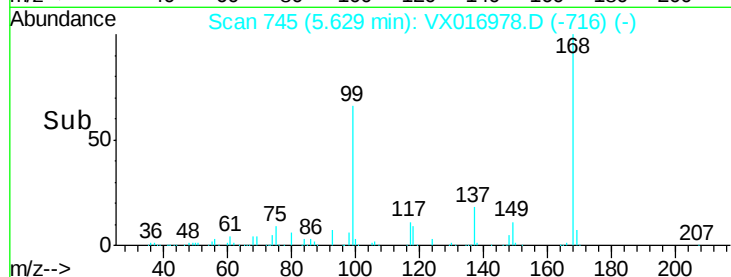
121 0.0 22.5 33.7#



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: 6.608 ug/l

RT: 7.19 min Scan# 1001

Delta R.T. -0.00 min

Lab File: VX016978.D

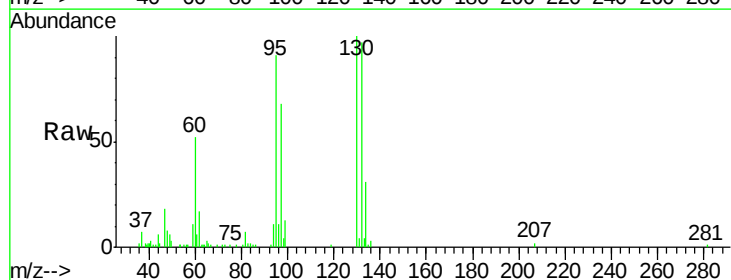
Acq: 26 Jun 2020 13:13

Tgt Ion:130 Resp: 18797

Ion Ratio Lower Upper

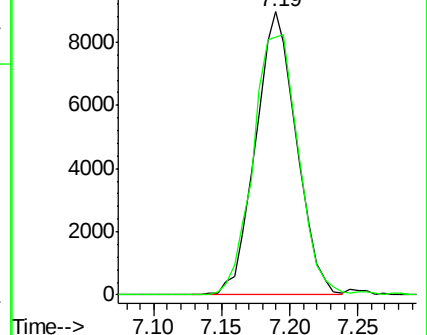
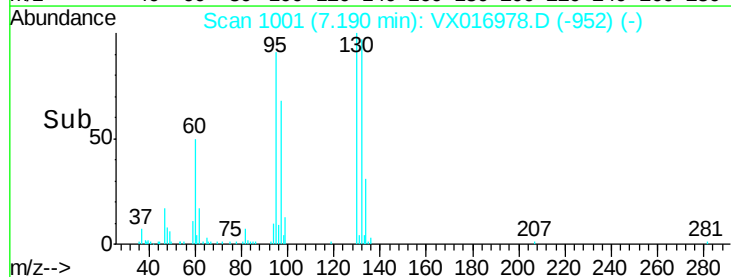
130 100

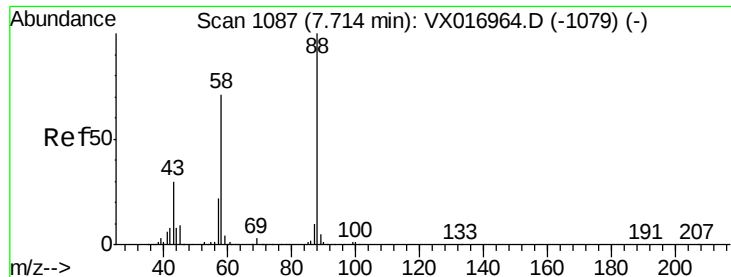
95 91.2 0.0 206.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

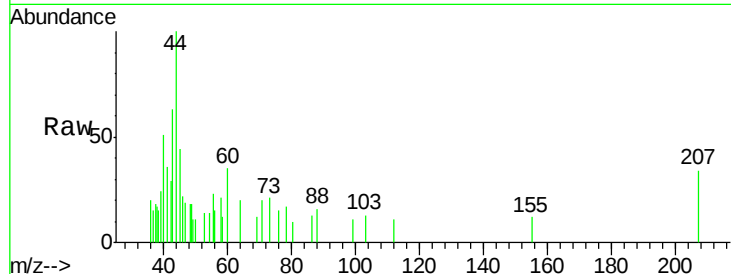




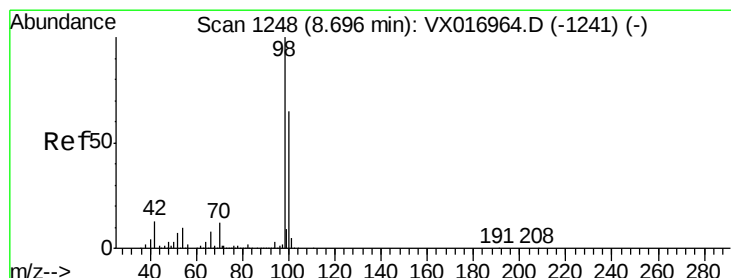
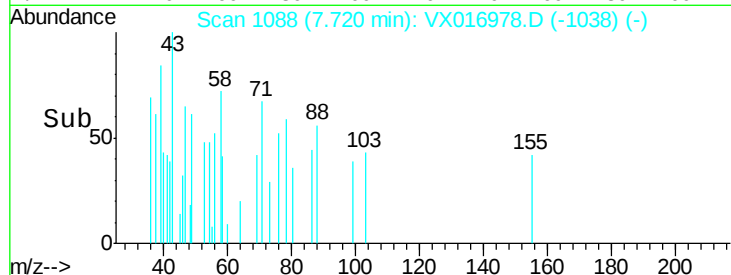
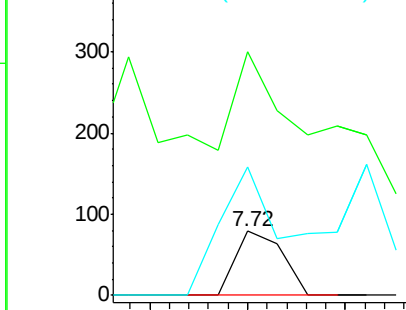
#49
1,4-Dioxane
Concen: 0.798 ug/l
RT: 7.72 min Scan# 1088
Delta R.T. 0.01 min
Lab File: VX016978.D
Acq: 26 Jun 2020 13:13

Instrument :
MSVOA_X
ClientSampleId :
BRP3-20200624

Tot Ion	88	Resp	52
Ion	Ratio	Lower	Upper
88	100		
43	486.5	28.1	42.1#
58	276.9	56.1	84.1#

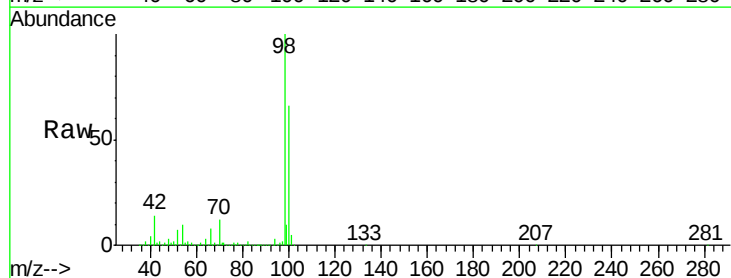


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

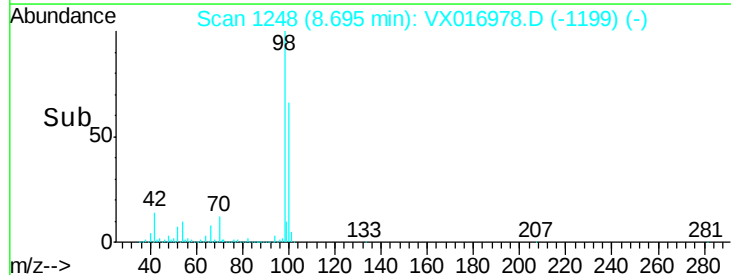
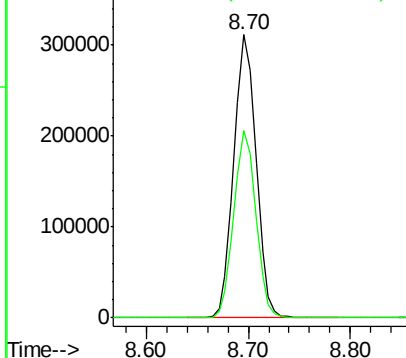


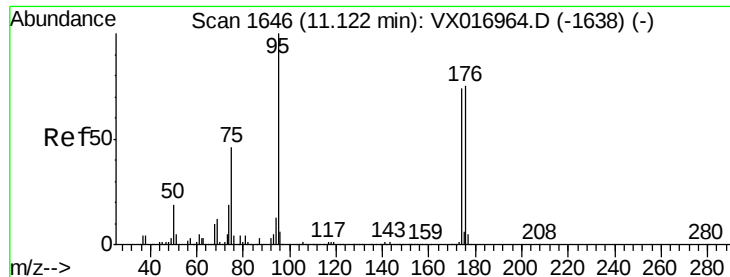
#50
Toluene-d8
Concen: 51.940 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX016978.D
Acq: 26 Jun 2020 13:13

Tgt Ion	98	Resp	471247
Ion	Ratio	Lower	Upper
98	100		
100	65.4	52.2	78.2



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): VX0





#62

4-Bromofluorobenzene

Concen: 54.830 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX016978.D

Acq: 26 Jun 2020 13:13

Instrument :

MSVOA_X

ClientSampleId :

BRP3-20200624

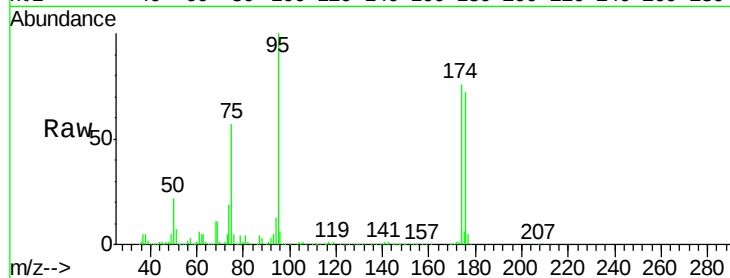
Tot Ion: 95 Resp: 192364

Ion Ratio Lower Upper

95 100

174 75.5 0.0 149.6

176 70.9 0.0 148.2



Abundance Ion 94.90 (94.60 to 95.60): VX

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

11.12

150000

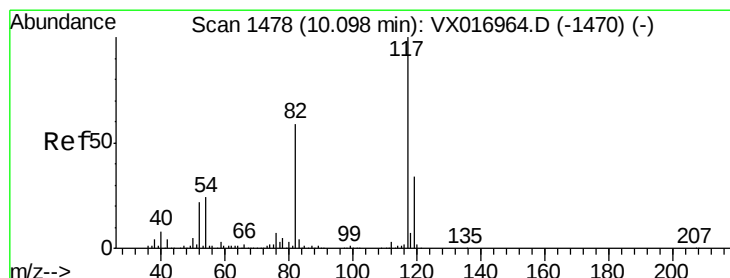
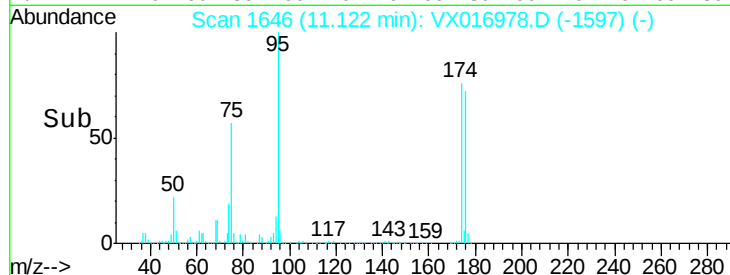
100000

50000

0

11.10 11.20

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX016978.D

Acq: 26 Jun 2020 13:13

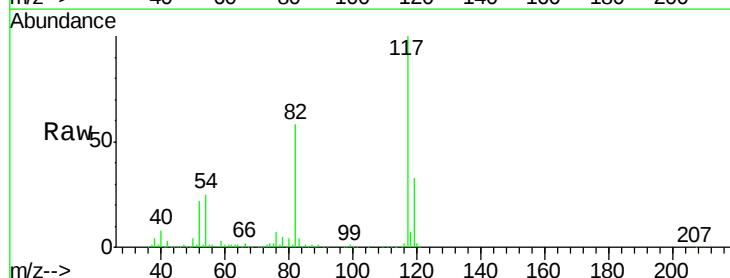
Tgt Ion: 117 Resp: 376080

Ion Ratio Lower Upper

117 100

82 58.0 46.8 70.2

119 32.9 27.3 40.9



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX

Ion 118.90 (118.60 to 119.60): V

10.10

400000

300000

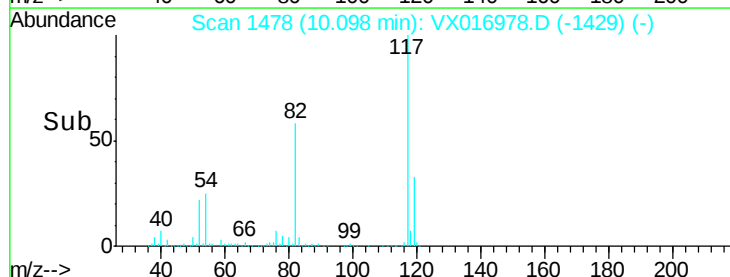
200000

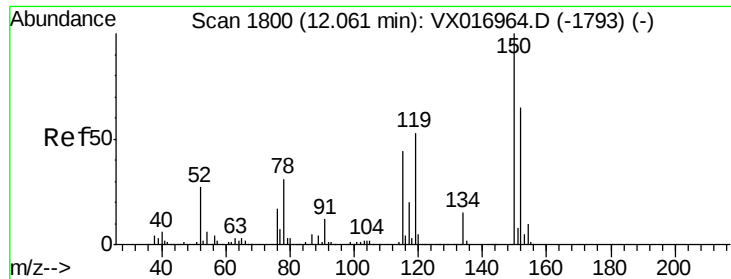
100000

0

10.00 10.10 10.20

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: VX016978.D

Acq: 26 Jun 2020 13:13

Instrument :

MSVOA_X

ClientSampleId :

BRP3-20200624

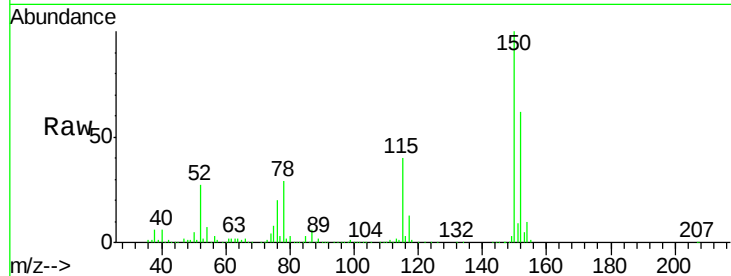
Tot Ion:152 Resp: 188469

Ion Ratio Lower Upper

152 100

115 63.6 42.8 128.4

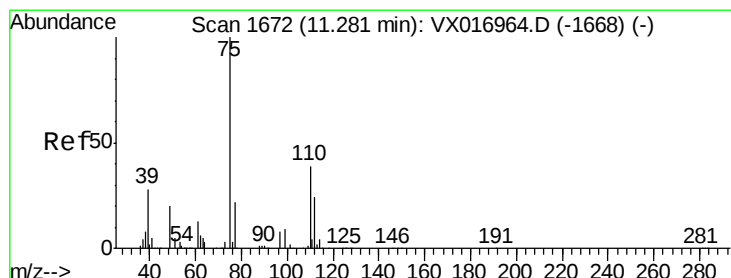
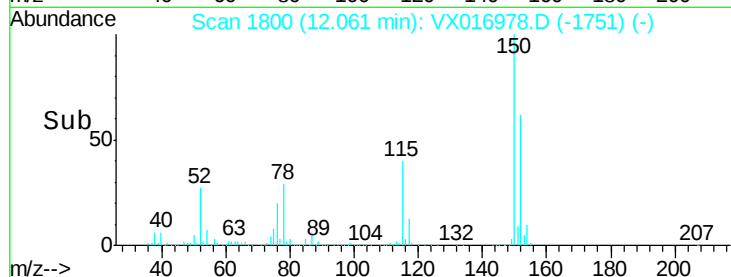
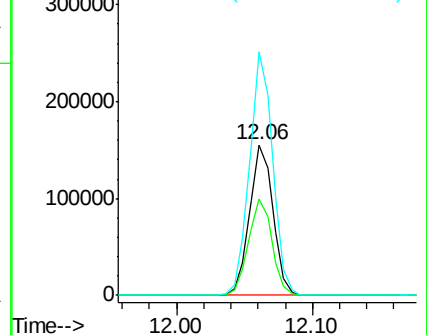
150 159.1 0.0 347.8



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: 27.284 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX016978.D

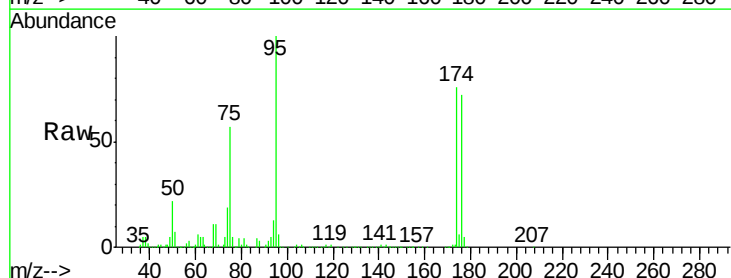
Acq: 26 Jun 2020 13:13

Tgt Ion: 75 Resp: 107916

Ion Ratio Lower Upper

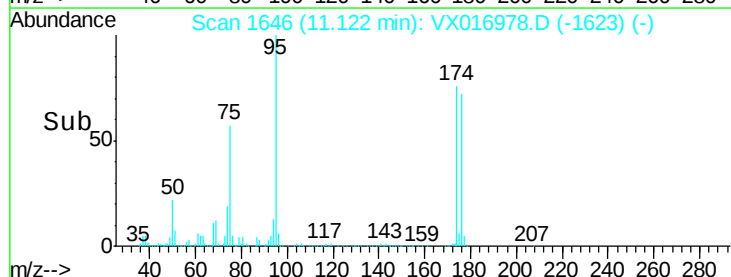
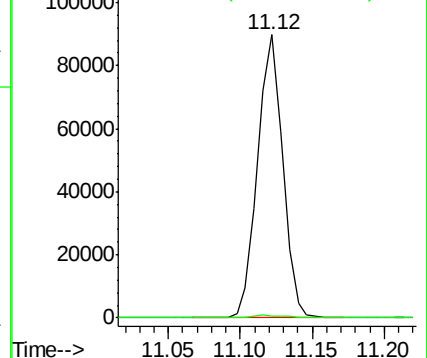
75 100

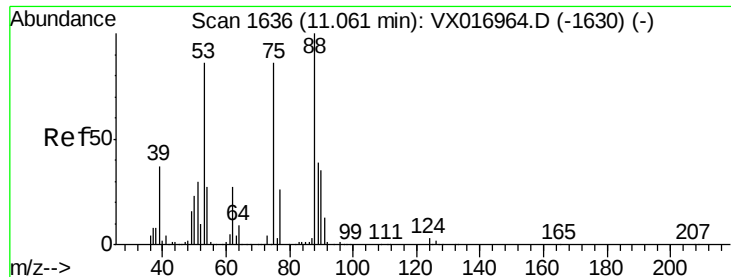
77 1.3 20.3 61.0#



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: 69.271 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX016978.D

Acq: 26 Jun 2020 13:13

Instrument :

MSVOA_X

ClientSampleId :

BRP3-20200624

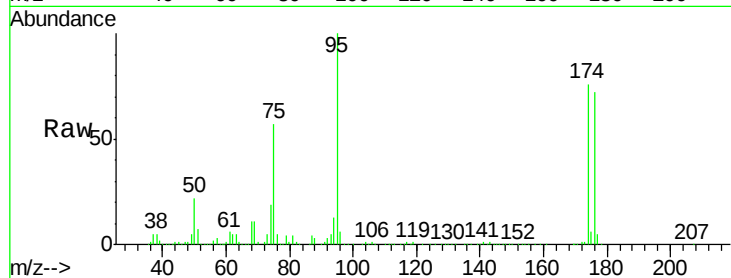
Tot Ion: 75 Resp: 107916

Ion Ratio Lower Upper

75 100

53 0.4 81.9 122.9#

89 0.0 35.5 53.3#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

