

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN051019\
 Data File : VN055549.D
 Acq On : 10 May 2019 14:02
 Operator : JC/SP
 Sample : K2758-10
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 DUP-02

Quant Time: May 11 00:57:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N050819W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 10 06:48:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	888895	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1447494	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1209701	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	335651	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	595914	44.53	ug/l	0.00
Spiked Amount			Recovery	=	89.06%	
35) Dibromofluoromethane	7.59	113	461120	49.38	ug/l	0.00
Spiked Amount			Recovery	=	98.76%	
50) Toluene-d8	10.09	98	1746400	47.99	ug/l	0.00
Spiked Amount			Recovery	=	95.98%	
62) 4-Bromofluorobenzene	12.40	95	506950	41.32	ug/l	0.00
Spiked Amount			Recovery	=	82.64%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.75	59	6040	3.056	ug/l #	73
13) Acrolein	3.61	56	673	0.511	ug/l #	52
16) Acetone	3.83	43	10566	1.705	ug/l	99
17) Carbon Disulfide	4.05	76	7362	0.278	ug/l #	92
18) Methyl Acetate	4.34	43	7933	Below Cal	#	73
19) Methyl tert-butyl Ether	5.06	73	27377	0.848	ug/l	96
20) Methylene Chloride	4.55	84	3998	0.315	ug/l	85
27) cis-1,2-Dichloroethene	6.83	96	107597	8.839	ug/l	91
30) Chloroform	7.38	83	6920	0.343	ug/l	100
31) Cyclohexane	7.67	56	18973	0.878	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	70536	4.946	ug/l #	50
38) Carbon Tetrachloride	7.67	117	83819	6.980	ug/l #	16
43) Isopropyl Acetate	8.33	43	31002	1.312	ug/l #	63
44) Trichloroethene	8.84	130	74293	7.055	ug/l	97
49) 1,4-Dioxane	8.93	88	272	1.226	ug/l #	1
51) 4-Methyl-2-Pentanone	9.99	43	5577	0.359	ug/l	89
58) 2-Chloroethyl Vinyl ether	9.70	63	66	12.524	ug/l #	52
59) 2-Hexanone	10.76	43	9088	0.834	ug/l	96
60) Dibromochloromethane	10.63	129	252801	27.122	ug/l #	11
64) Tetrachloroethene	10.63	164	276063	27.850	ug/l	99
71) Bromoform	12.40	173	3589	0.621	ug/l #	1
73) Isopropylbenzene	12.25	105	3002	Below Cal		95
74) N-ethyl acetate	12.07	43	3455	0.271	ug/l #	81
75) 1,1,2,2-Tetrachloroethane	12.50	83	971	Below Cal	#	87
76) 1,2,3-Trichloropropane	12.40	75	255514	27.963	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	255514	103.180	ug/l #	7
87) 1,3-Dichlorobenzene	13.28	146	2552	0.223	ug/l	90
88) 1,4-Dichlorobenzene	13.28	146	2552	0.226	ug/l	92
89) n-Butylbenzene	13.61	91	6370	0.330	ug/l	94
91) 1,2-Dichlorobenzene	13.65	146	3150	0.276	ug/l	92
92) 1,2-Dibromo-3-Chloropropan	14.27	75	312	0.202	ug/l	83
93) 1,2,4-Trichlorobenzene	14.91	180	3565	3.876	ug/l	97
94) Hexachlorobutadiene	15.01	225	1626	Below Cal		90
95) Naphthalene	15.14	128	13200	3.825	ug/l #	90

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Response via : Initial Calibration

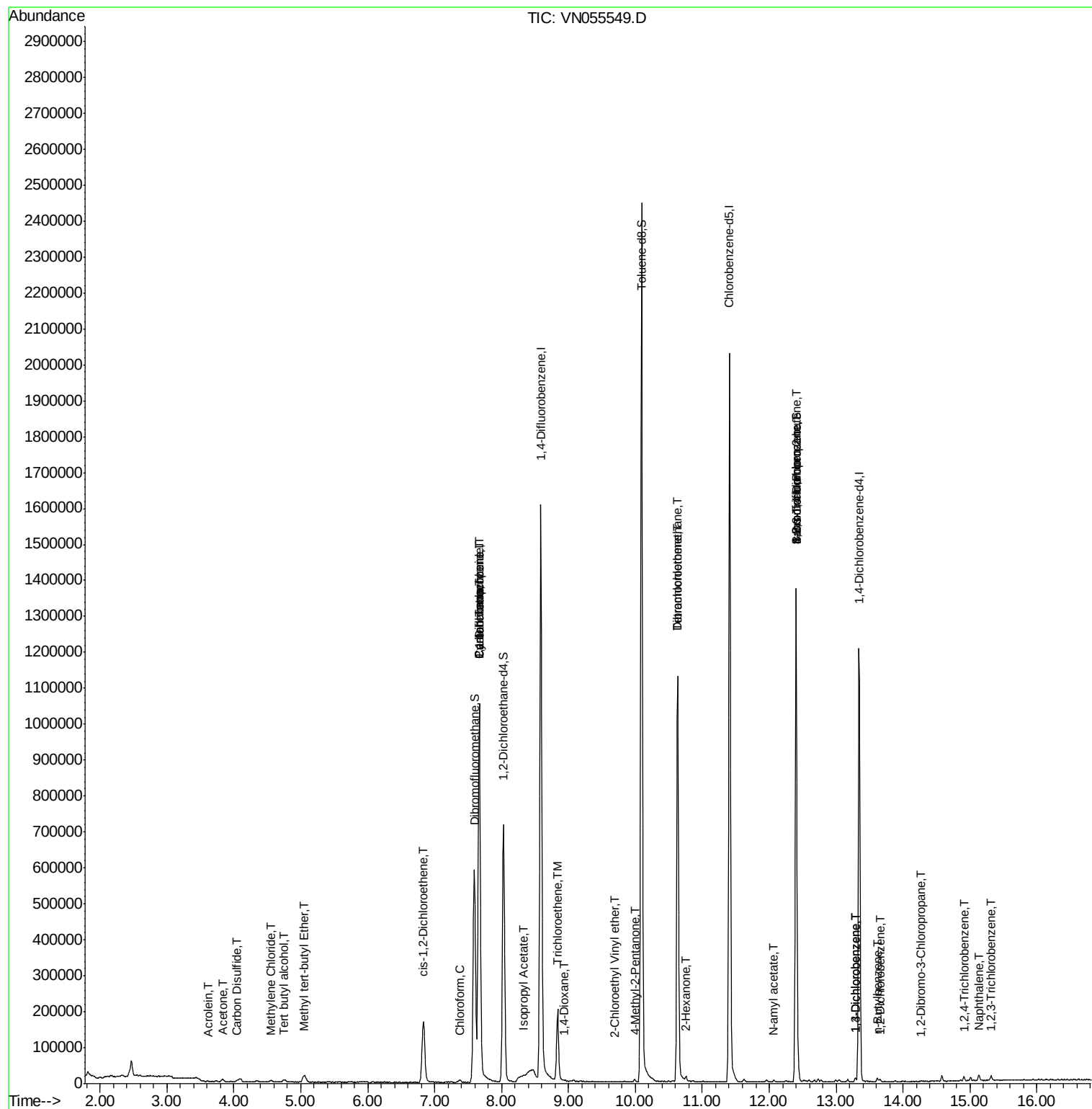
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
96) 1,2,3-Trichlorobenzene	15.32	180	4942	3.296	ug/l	96

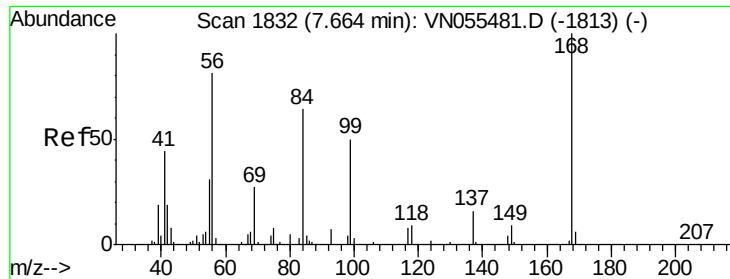
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN051019\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN055549.D

Acq: 10 May 2019 14:02

Instrument :

MSVOA_N

ClientSampled :

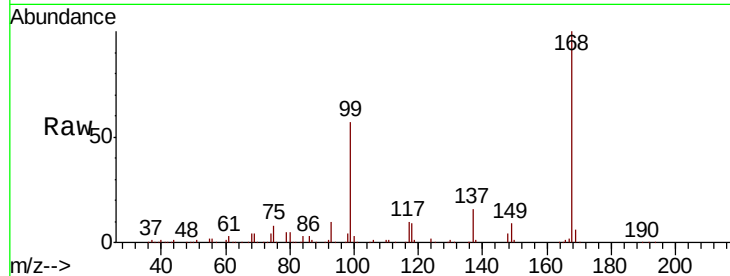
DUP-02

Tot Ion:168 Resp: 888895

Ion Ratio Lower Upper

168 100

99 57.0 47.0 70.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

400000

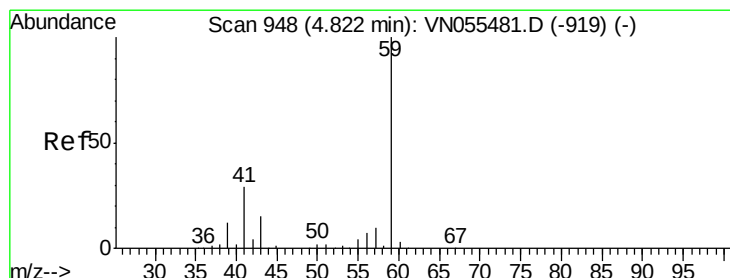
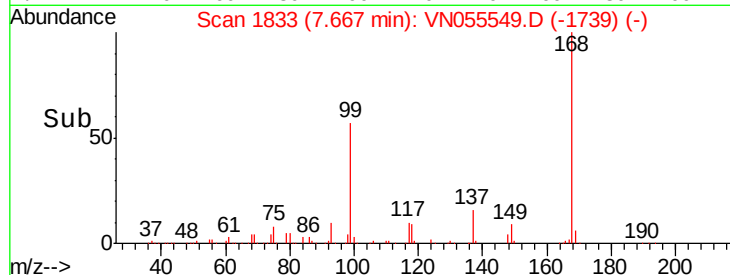
300000

200000

100000

0

Time-->



#11

Tert butyl alcohol

Concen: 3.056 ug/l

RT: 4.75 min Scan# 927

Delta R.T. -0.07 min

Lab File: VN055549.D

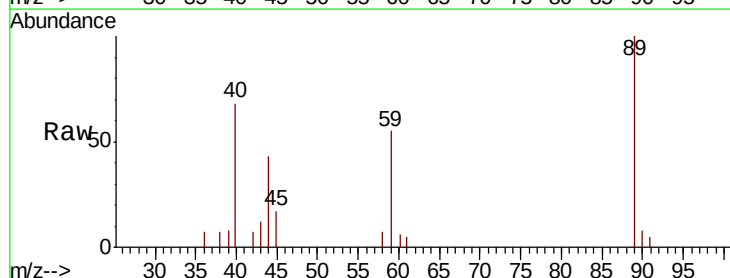
Acq: 10 May 2019 14:02

Tgt Ion: 59 Resp: 6040

Ion Ratio Lower Upper

59 100

57 0.0 8.0 12.0#



Abundance Ion 59.00 (58.70 to 59.70): VN

Ion 57.00 (56.70 to 57.70): VN

4.75

2000

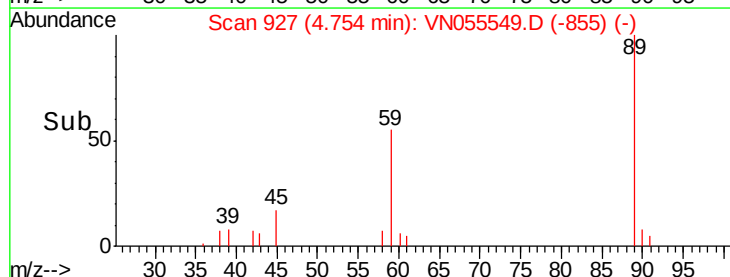
1500

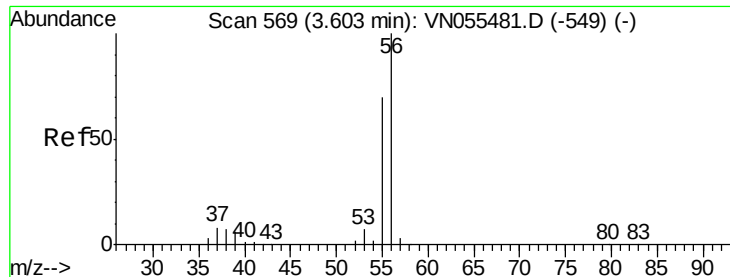
1000

500

0

Time-->





#13

Acrolein

Concen: 0.511 ug/l

RT: 3.61 min Scan# 572

Delta R.T. 0.01 min

Lab File: VN055549.D

Acq: 10 May 2019 14:02

Instrument :

MSVOA_N

ClientSampled :

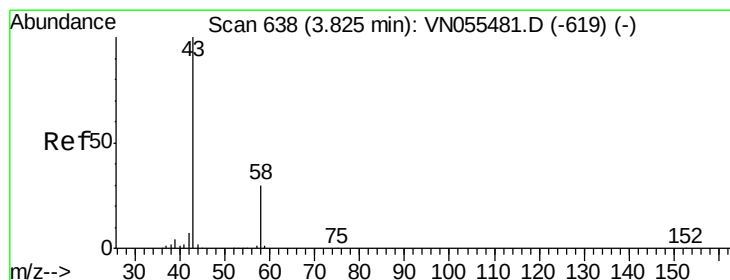
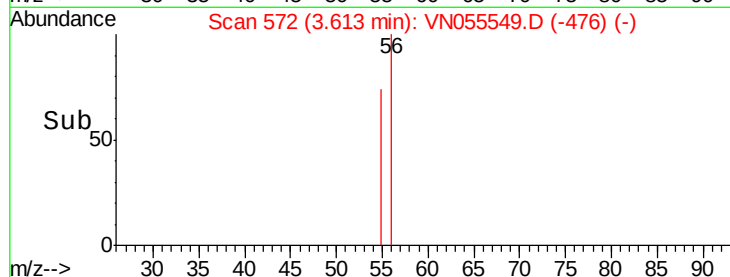
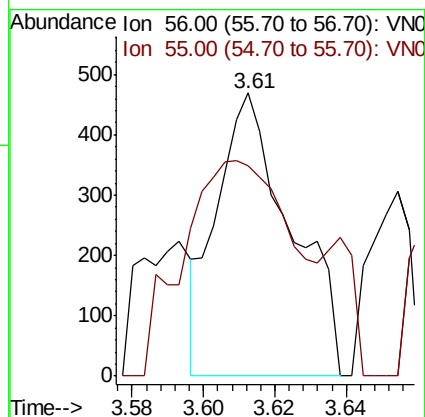
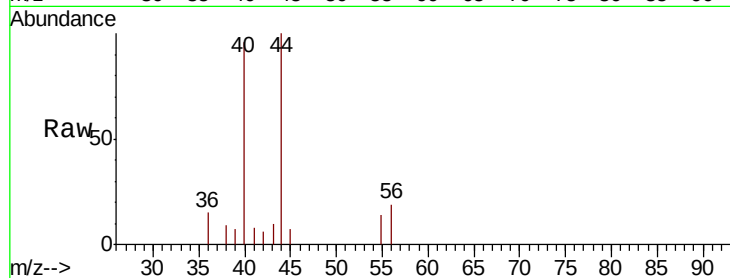
DUP-02

Tot Ion: 56 Resp: 673

Ion Ratio Lower Upper

56 100

55 112.3 57.7 86.5#



#16

Acetone

Concen: 1.705 ug/l

RT: 3.83 min Scan# 640

Delta R.T. 0.01 min

Lab File: VN055549.D

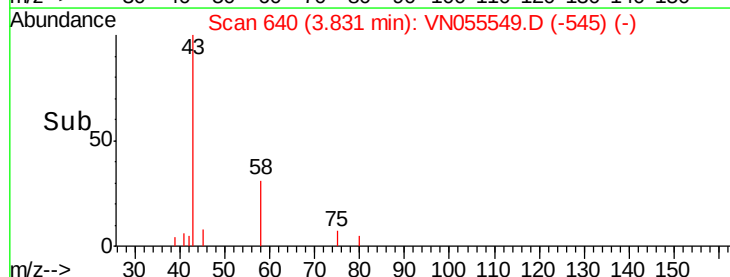
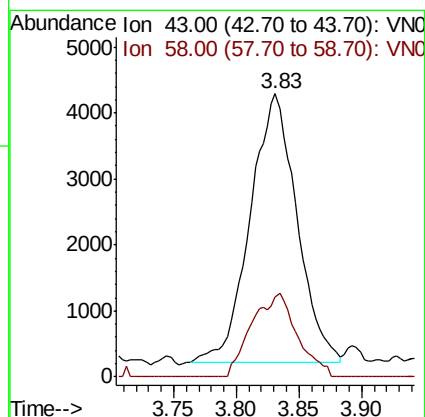
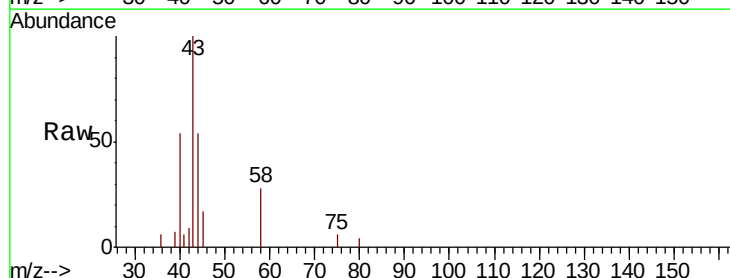
Acq: 10 May 2019 14:02

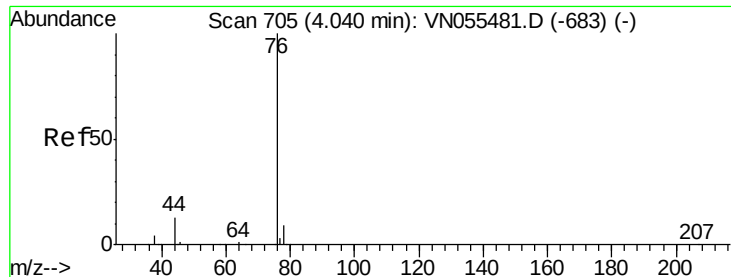
Tgt Ion: 43 Resp: 10566

Ion Ratio Lower Upper

43 100

58 29.7 24.2 36.2





#17

Carbon Disulfide

Concen: 0.278 ug/l

RT: 4.05 min Scan# 707

Delta R.T. 0.01 min

Lab File: VN055549.D

Acq: 10 May 2019 14:02

Instrument :

MSVOA_N

ClientSampled :

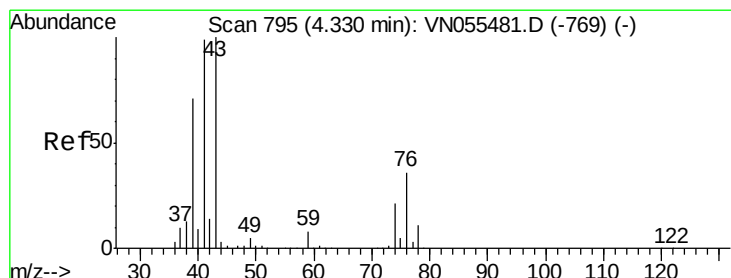
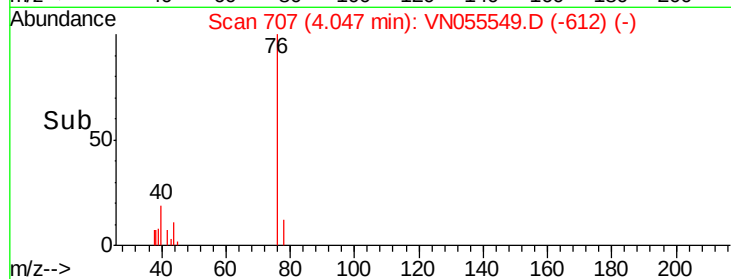
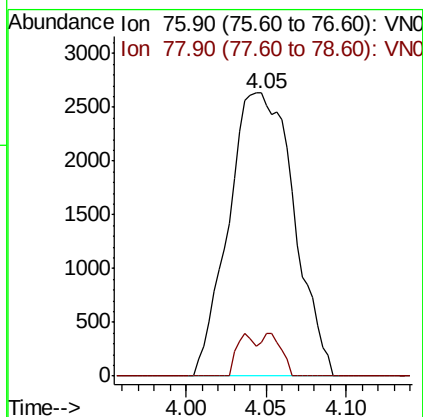
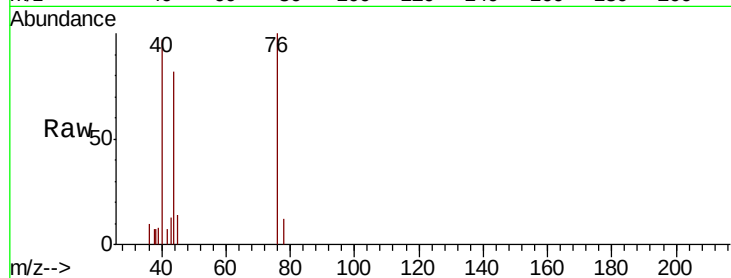
DUP-02

Tot Ion: 76 Resp: 7362

Ion Ratio Lower Upper

76 100

78 12.1 7.4 11.0#



#18

Methyl Acetate

Concen: Below Cal

RT: 4.34 min Scan# 797

Delta R.T. 0.01 min

Lab File: VN055549.D

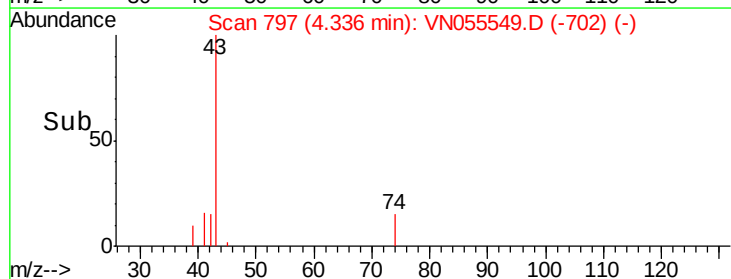
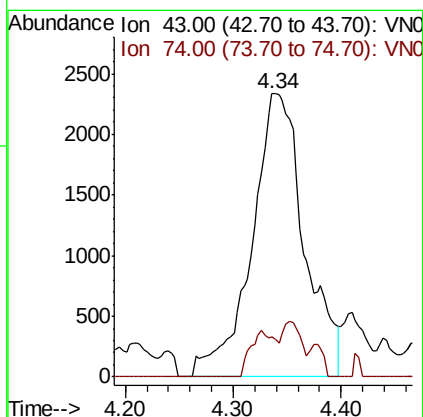
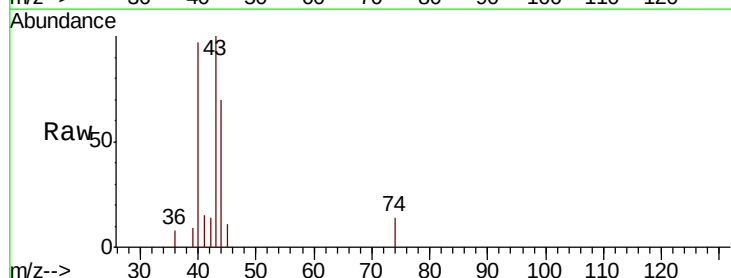
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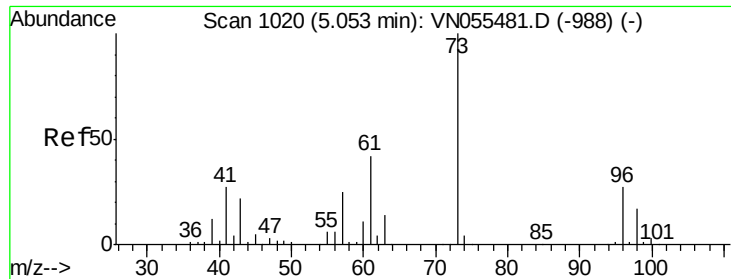
Tgt Ion: 43 Resp: 7933

Ion Ratio Lower Upper

43 100

74 7.8 16.3 24.5#

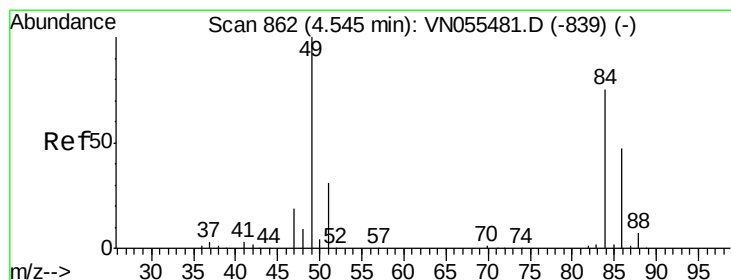
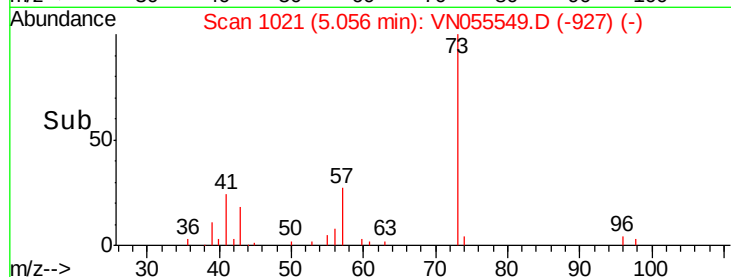
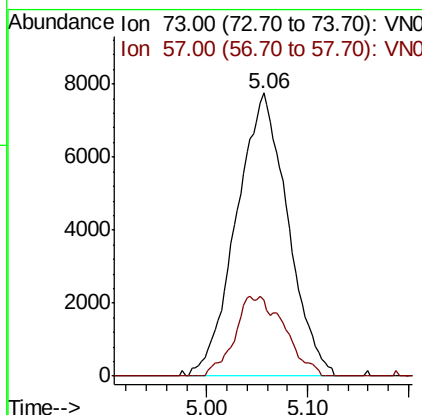
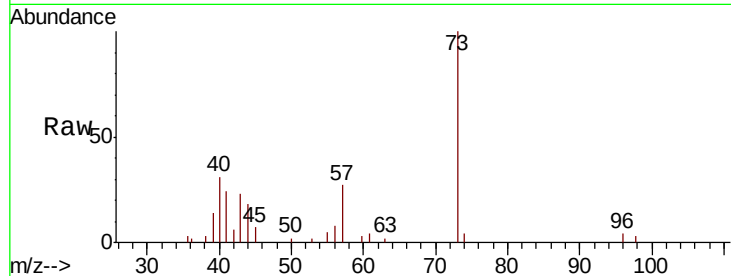




#19
Methvl tert-butyl Ether
Concen: 0.848 ug/l
RT: 5.06 min Scan# 1021
Delta R.T. 0.00 min
Lab File: VN055549.D
Acq: 10 May 2019 14:02

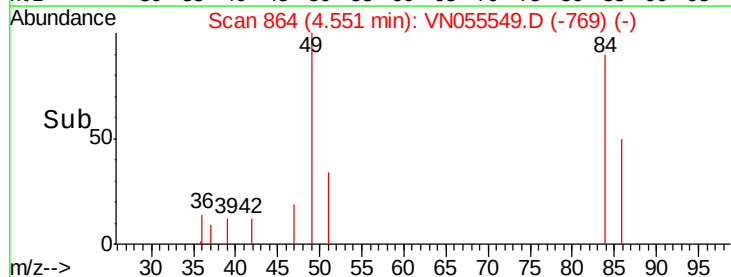
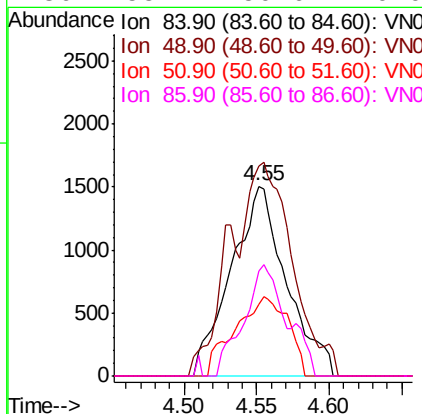
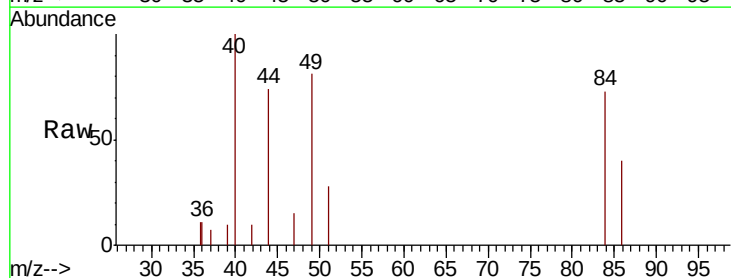
Instrument :
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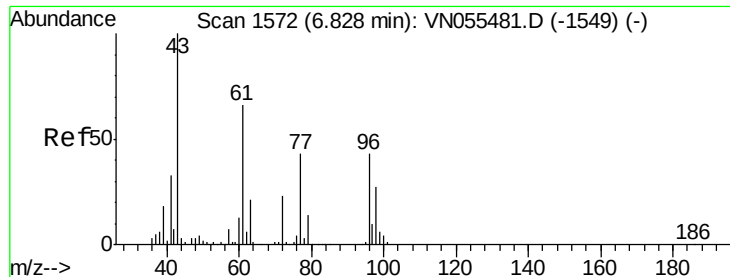
Tot Ion: 73 Resp: 27377
Ion Ratio Lower Upper
73 100
57 26.8 20.0 30.0



#20
Methylene Chloride
Concen: 0.315 ug/l
RT: 4.55 min Scan# 864
Delta R.T. 0.01 min
Lab File: VN055549.D
Acq: 10 May 2019 14:02

Tgt Ion: 84 Resp: 3998
Ion Ratio Lower Upper
84 100
49 111.0 107.0 160.6
51 37.6 33.0 49.4
86 55.2 50.6 76.0

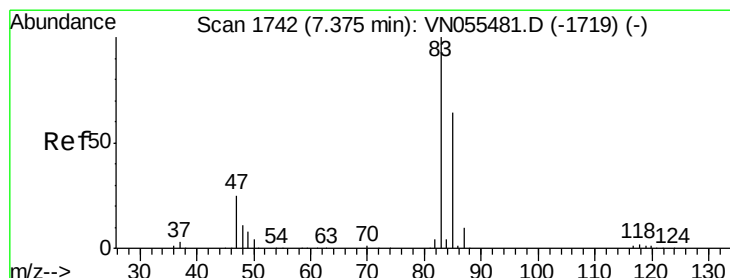
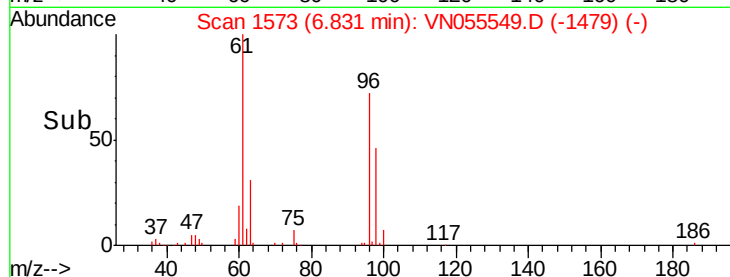
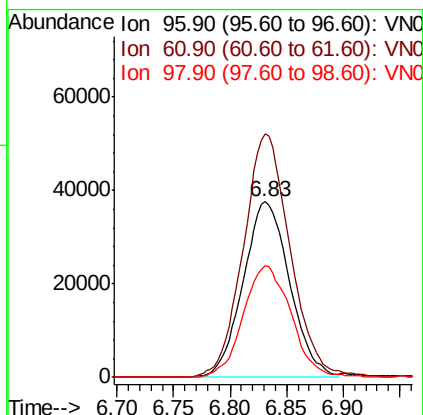
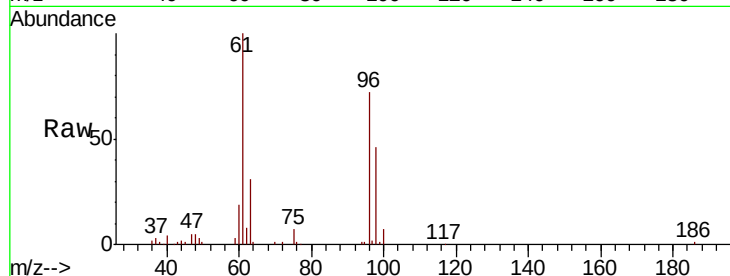




#27
 cis-1,2-Dichloroethene
 Concen: 8.839 ug/l
 RT: 6.83 min Scan# 1573
 Delta R.T. 0.00 min
 Lab File: VN055549.D
 Acq: 10 May 2019 14:02

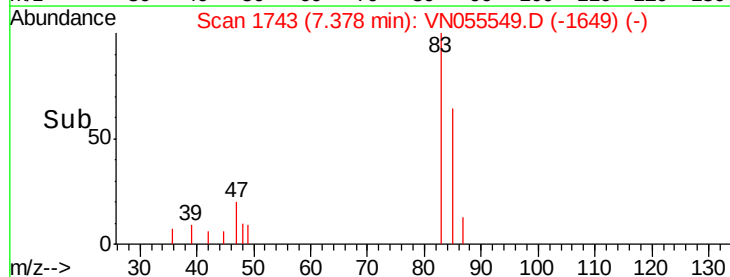
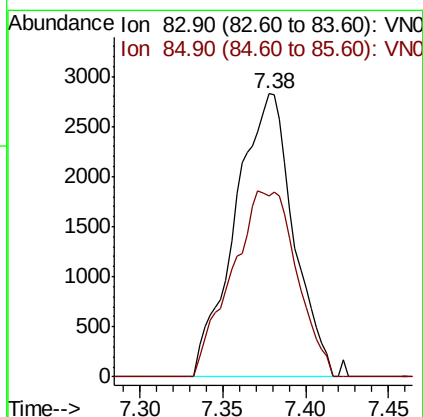
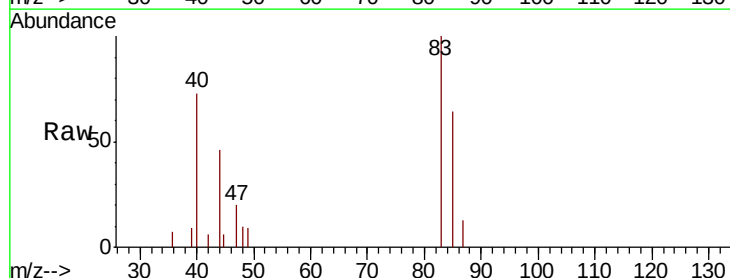
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 ClientSampled :
 DUP-02

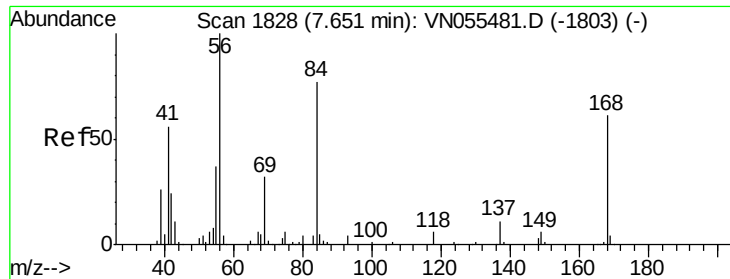
Tot Ion: 96 Resp: 107597
 Ion Ratio Lower Upper
 96 100
 61 139.7 0.0 310.8
 98 65.1 0.0 129.4



#30
 Chloroform
 Concen: 0.343 ug/l
 RT: 7.38 min Scan# 1743
 Delta R.T. 0.00 min
 Lab File: VN055549.D
 Acq: 10 May 2019 14:02

Tgt Ion: 83 Resp: 6920
 Ion Ratio Lower Upper
 83 100
 85 63.9 51.3 76.9

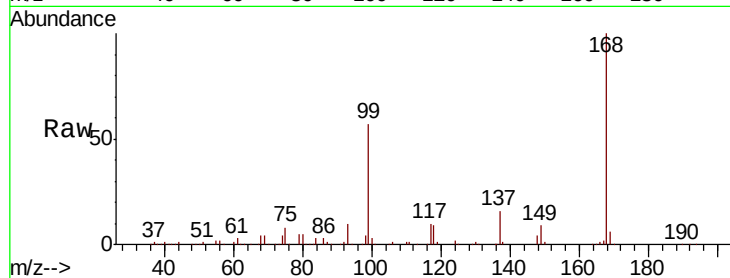




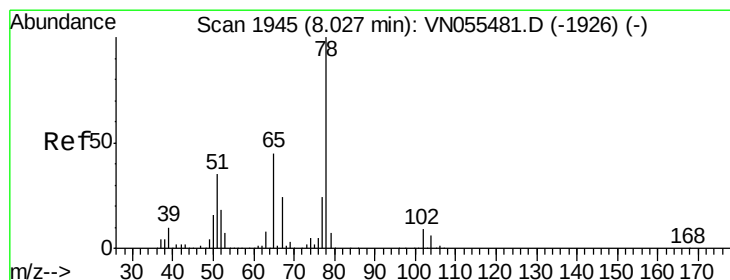
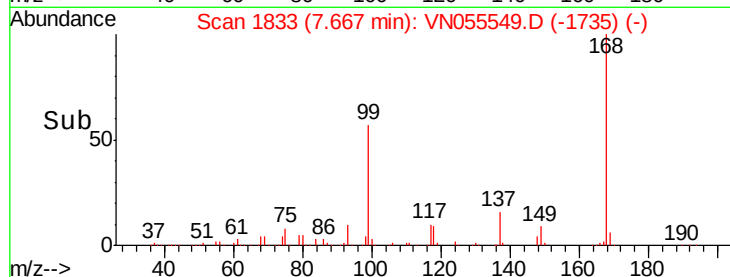
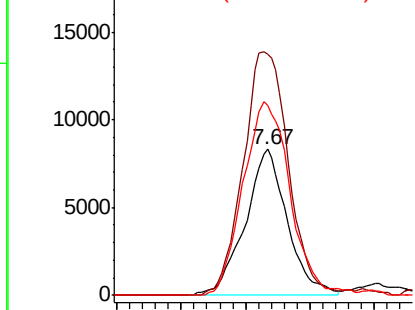
#31
Cyclohexane
Concen: 0.878 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. 0.02 min
Lab File: VN055549.D
Acq: 10 May 2019 14:02

Instrument :
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DUP-02

Tot Ion: 56 Resp: 18973
Ion Ratio Lower Upper
56 100
69 164.8 26.0 39.0#
84 130.1 61.9 92.9#

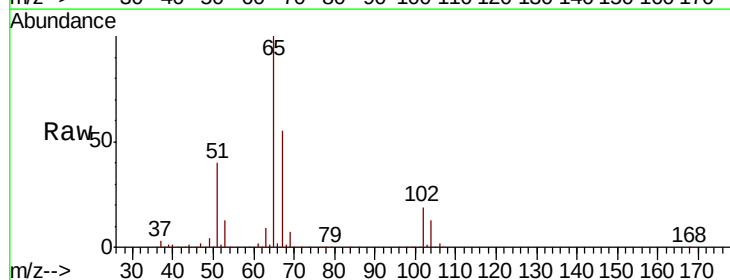


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

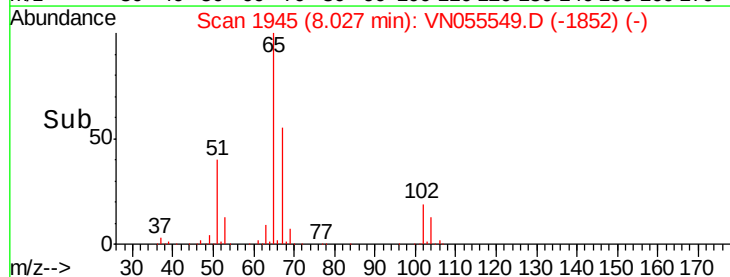
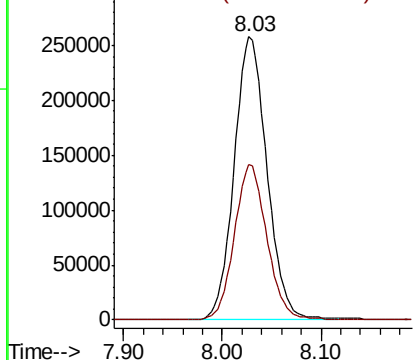


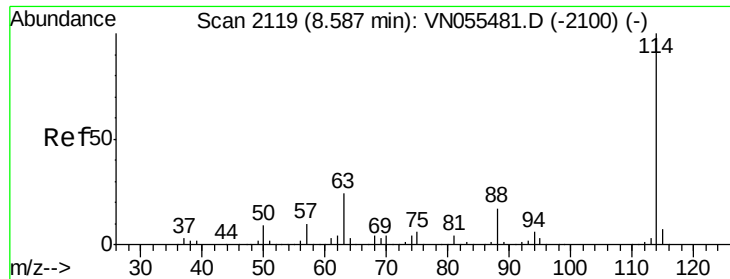
#33
1,2-Dichloroethane-d4
Concen: 44.525 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. -0.00 min
Lab File: VN055549.D
Acq: 10 May 2019 14:02

Tgt Ion: 65 Resp: 595914
Ion Ratio Lower Upper
65 100
67 54.5 0.0 109.6



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0

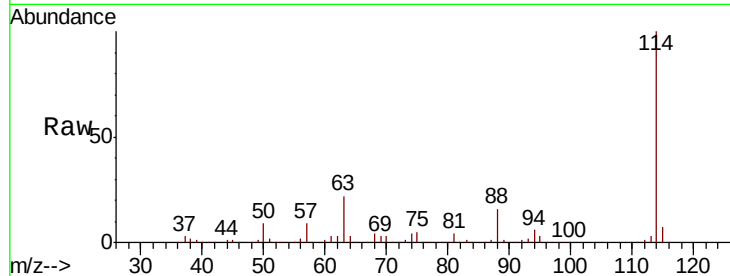




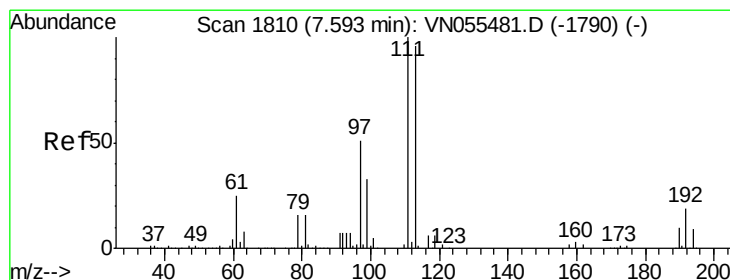
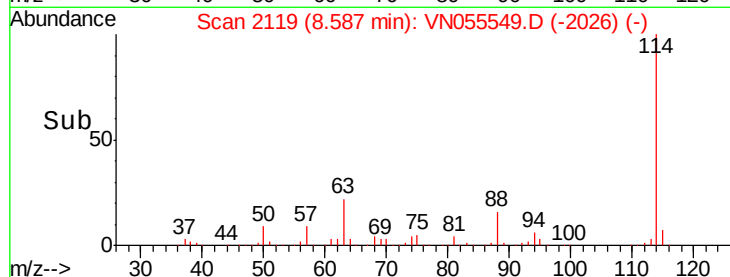
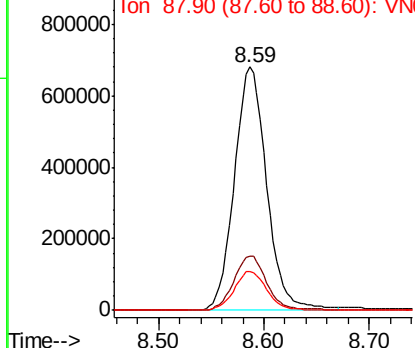
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN055549.D
 Acq: 10 May 2019 14:02

Instrument :
 MSVOA_N
 ClientSampleId :
 DUP-02

Tot Ion:114 Resp: 1447494
 Ion Ratio Lower Upper
 114 100
 63 22.5 0.0 47.4
 88 16.2 0.0 34.0

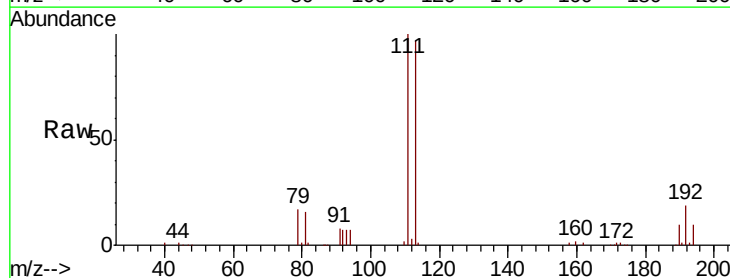


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

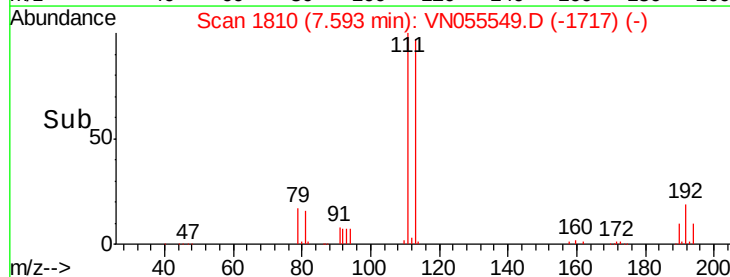
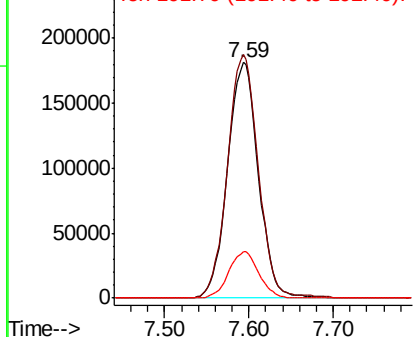


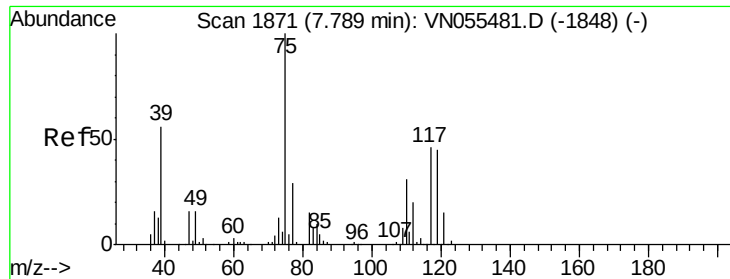
#35
 Dibromofluoromethane
 Concen: 49.384 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. -0.00 min
 Lab File: VN055549.D
 Acq: 10 May 2019 14:02

Tgt Ion:113 Resp: 461120
 Ion Ratio Lower Upper
 113 100
 111 103.3 82.9 124.3
 192 19.4 15.6 23.4



Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

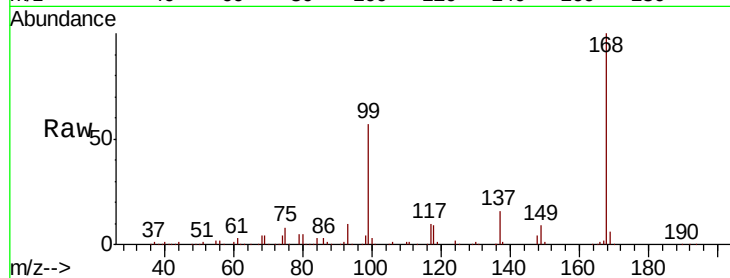




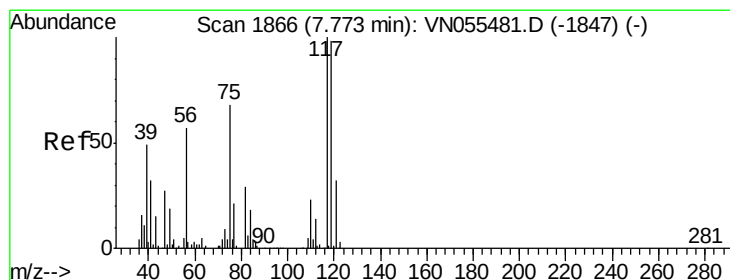
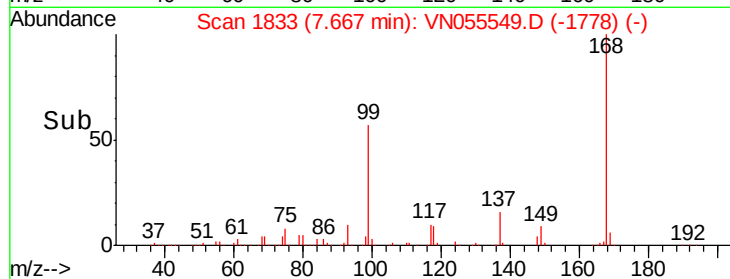
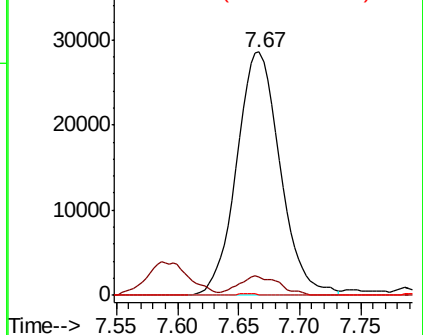
#36
 1,1-Dichloropropene
 Concen: 4.946 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.12 min
 Lab File: VN055549.D
 Acq: 10 May 2019 14:02

Instrument :
 MSVOA_N
 ClientSampleId :
 DUP-02

Tot Ion: 75 Resp: 70536
 Ion Ratio Lower Upper
 75 100
 110 7.5 16.1 48.3#
 77 0.3 24.6 37.0#

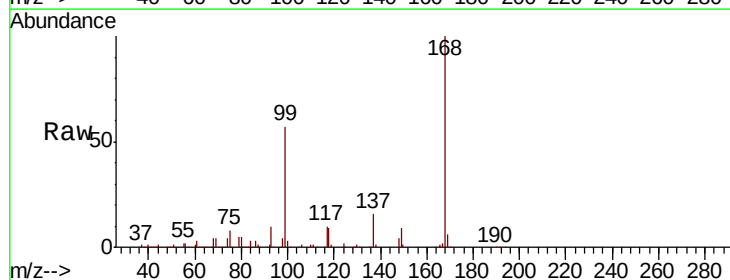


Abundance Ion 74.90 (74.60 to 75.60): VN055481.D (-1848) (-)
 Ion 109.90 (109.60 to 110.60): VN055481.D (-1848) (-)
 Ion 76.90 (76.60 to 77.60): VN055481.D (-1848) (-)

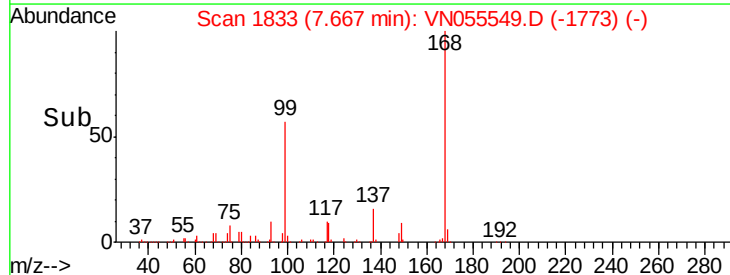
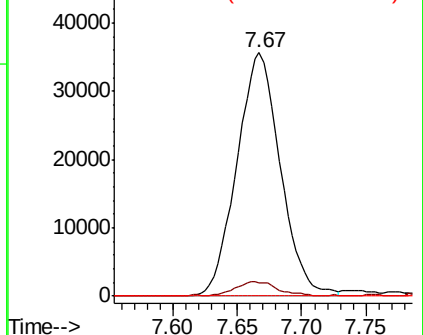


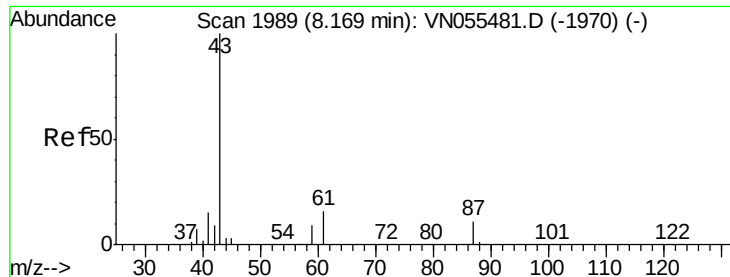
#38
 Carbon Tetrachloride
 Concen: 6.980 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.11 min
 Lab File: VN055549.D
 Acq: 10 May 2019 14:02

Tgt Ion: 117 Resp: 83819
 Ion Ratio Lower Upper
 117 100
 119 5.3 77.8 116.6#
 121 0.0 25.2 37.8#



Abundance Ion 116.80 (116.50 to 117.50): VN055481.D (-1847) (-)
 Ion 118.80 (118.50 to 119.50): VN055481.D (-1847) (-)
 Ion 120.80 (120.50 to 121.50): VN055481.D (-1847) (-)





#43

Isopropyl Acetate

Concen: 1.312 ug/l

RT: 8.33 min Scan# 2039

Delta R.T. 0.16 min

Lab File: VN055549.D

Acq: 10 May 2019 14:02

Instrument :

MSVOA_N

ClientSampled :

DUP-02

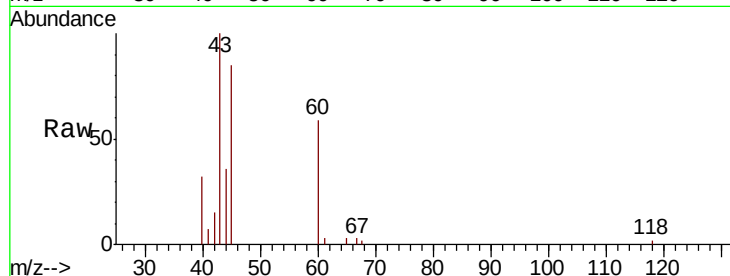
Tot Ion: 43 Resp: 31002

Ion Ratio Lower Upper

43 100

61 0.0 15.1 22.7#

87 0.0 9.0 13.6#

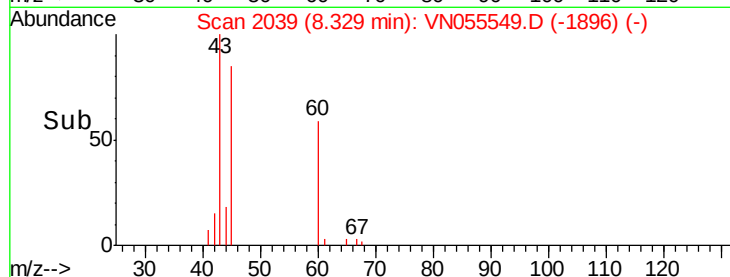


Abundance Ion 43.00 (42.70 to 43.70): VN055549.D (-2039) (-)

Ion 61.00 (60.70 to 61.70): VN055549.D (-2039) (-)

Ion 87.00 (86.70 to 87.70): VN055549.D (-2039) (-)

Time-->

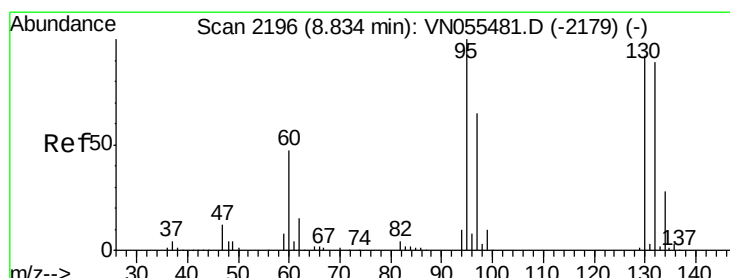


Abundance Ion 43.00 (42.70 to 43.70): VN055549.D (-2039) (-)

Ion 61.00 (60.70 to 61.70): VN055549.D (-2039) (-)

Ion 87.00 (86.70 to 87.70): VN055549.D (-2039) (-)

Time-->



#44

Trichloroethene

Concen: 7.055 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN055549.D

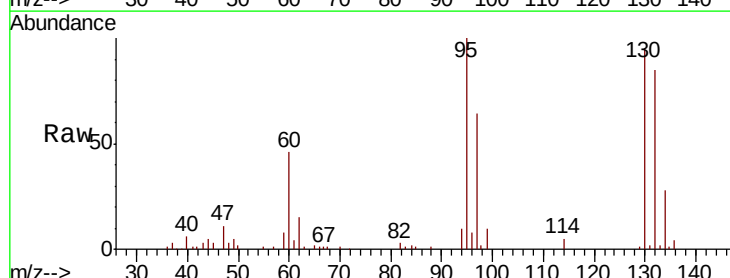
Acq: 10 May 2019 14:02

Tgt Ion: 130 Resp: 74293

Ion Ratio Lower Upper

130 100

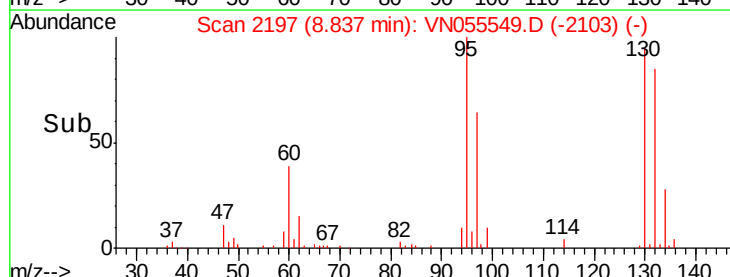
95 105.4 0.0 216.8



Abundance Ion 129.80 (129.50 to 130.50): VN055549.D (-2197) (-)

Ion 94.90 (94.60 to 95.60): VN055549.D (-2197) (-)

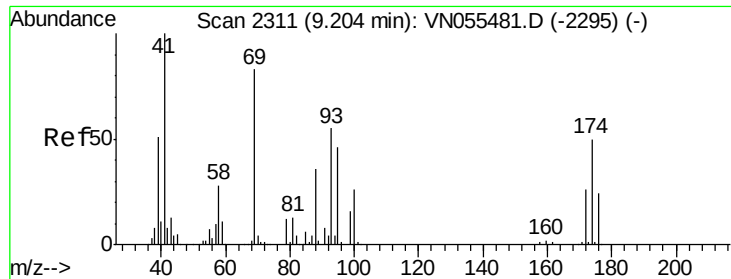
Time-->



Abundance Ion 129.80 (129.50 to 130.50): VN055549.D (-2197) (-)

Ion 94.90 (94.60 to 95.60): VN055549.D (-2197) (-)

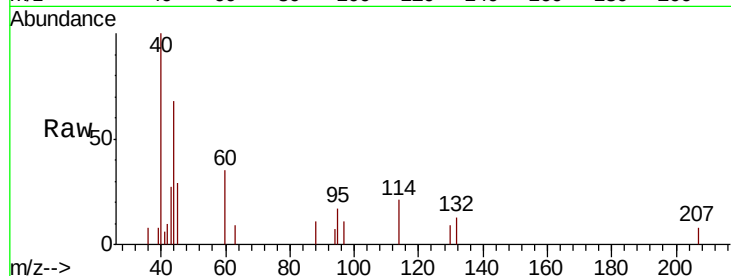
Time-->



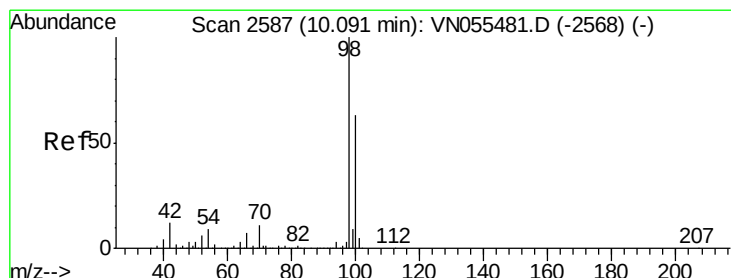
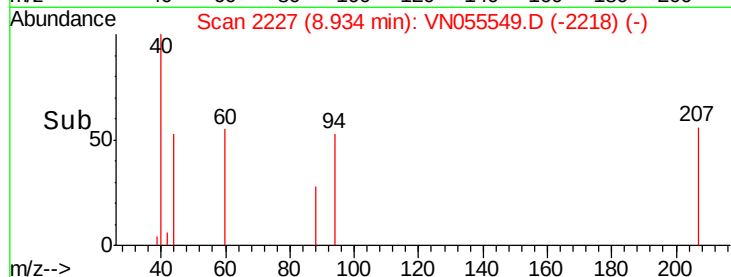
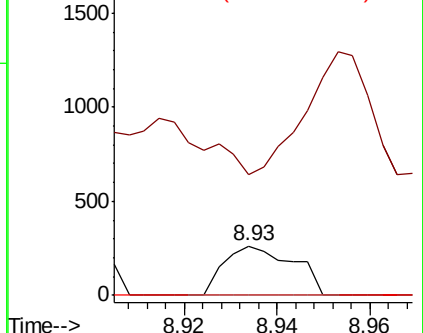
#49
1,4-Dioxane
Concen: 1.226 ug/l
RT: 8.93 min Scan# 2227
Delta R.T. -0.27 min
Lab File: VN055549.D
Acq: 10 May 2019 14:02

Instrument :
MSVOA_N
ClientSampleId :
DUP-02

Tot Ion: 88 Resp: 272
Ion Ratio Lower Upper
88 100
43 224.6 27.8 41.8#
58 0.0 61.8 92.6#

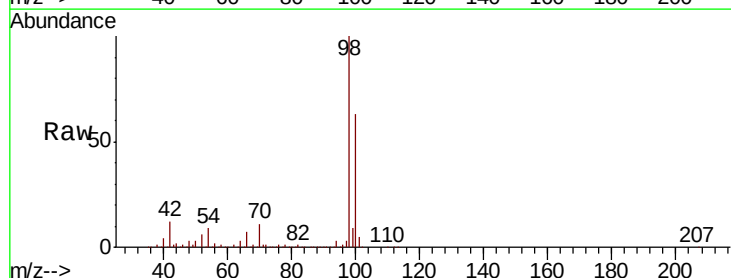


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

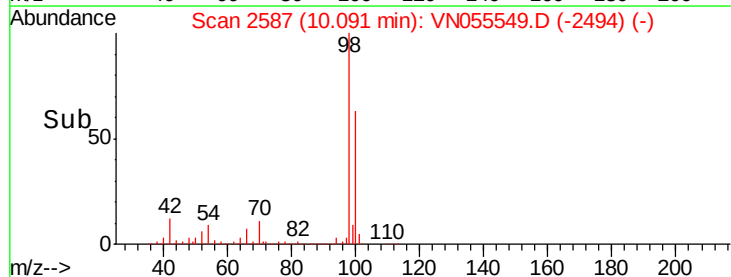
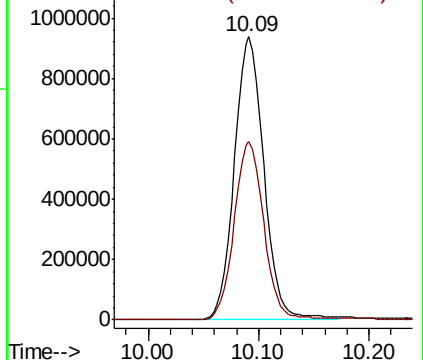


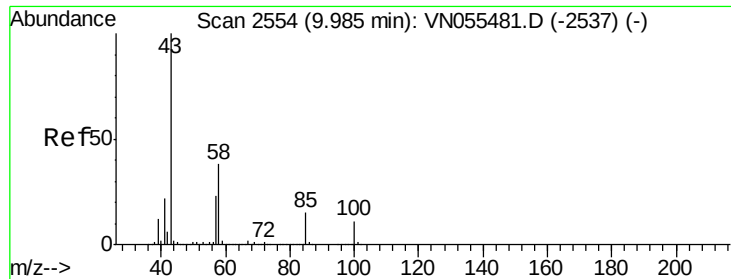
#50
Toluene-d8
Concen: 47.995 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN055549.D
Acq: 10 May 2019 14:02

Tgt Ion: 98 Resp: 1746400
Ion Ratio Lower Upper
98 100
100 64.0 50.4 75.6



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 0.359 ug/l

RT: 9.99 min Scan# 2555

Delta R.T. 0.00 min

Lab File: VN055549.D

Acq: 10 May 2019 14:02

Instrument :

MSVOA_N

ClientSampled :

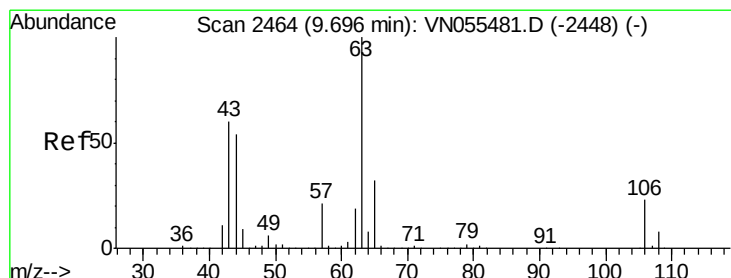
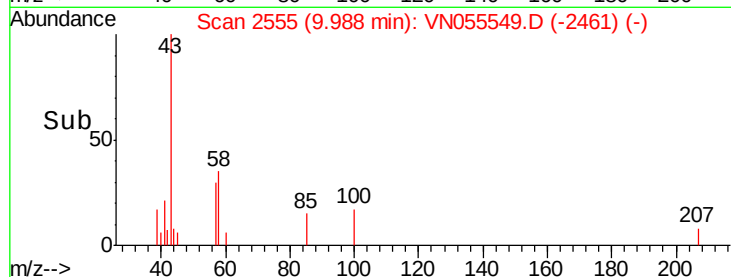
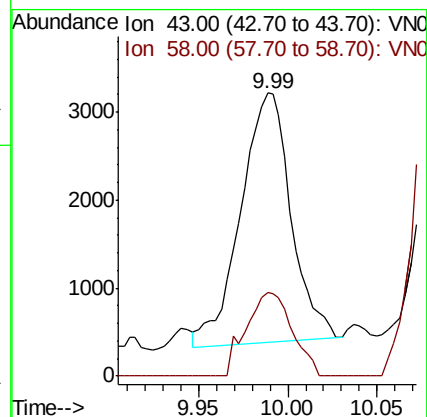
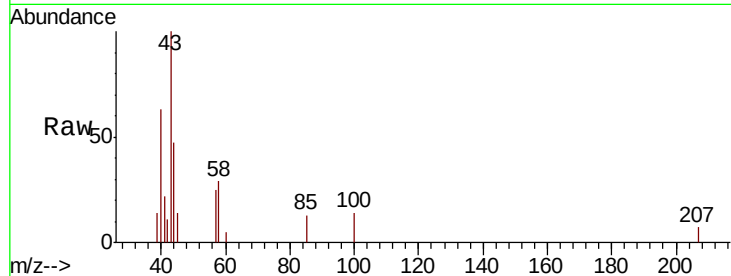
DUP-02

Tot Ion: 43 Resp: 5577

Ion Ratio Lower Upper

43 100

58 30.8 29.9 44.9



#58

2-Chloroethyl Vinyl ether

Concen: 12.524 ug/l

RT: 9.70 min Scan# 2466

Delta R.T. 0.01 min

Lab File: VN055549.D

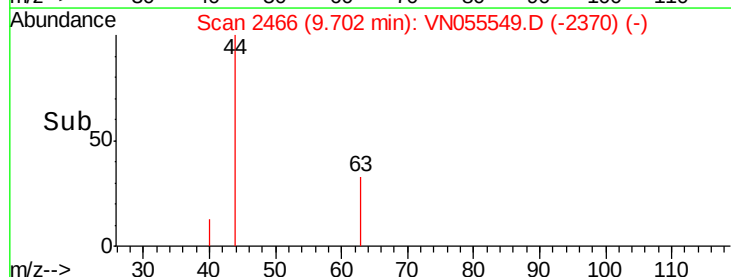
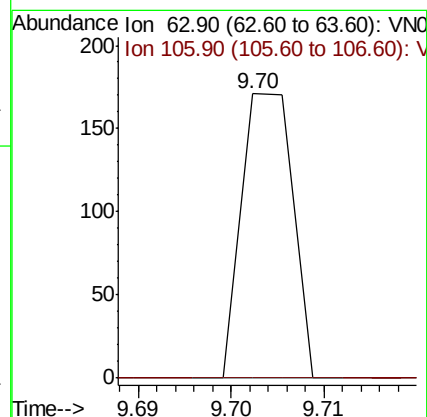
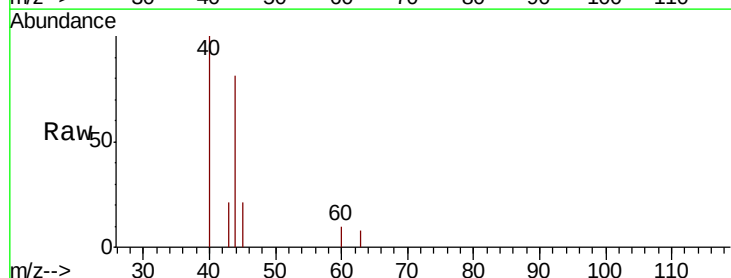
Acq: 10 May 2019 14:02

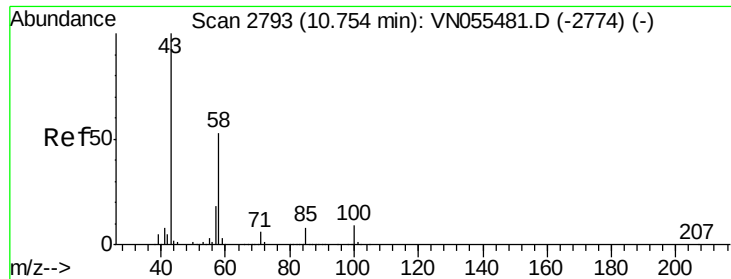
Tgt Ion: 63 Resp: 66

Ion Ratio Lower Upper

63 100

106 0.0 18.6 27.8#

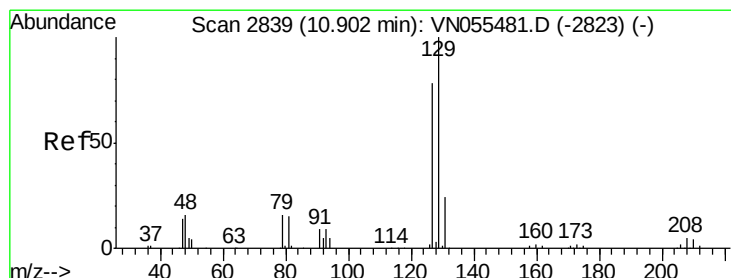
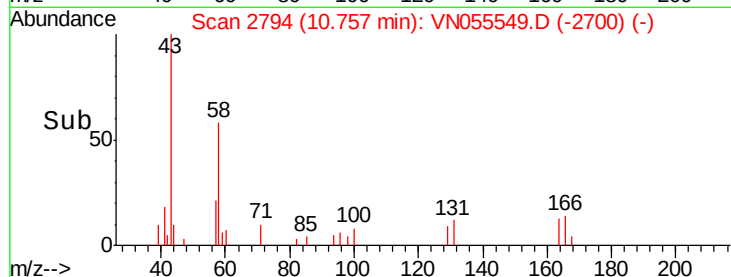
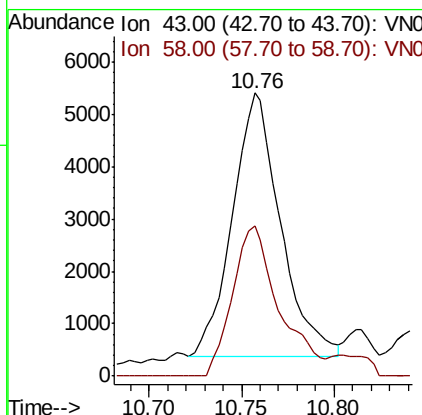
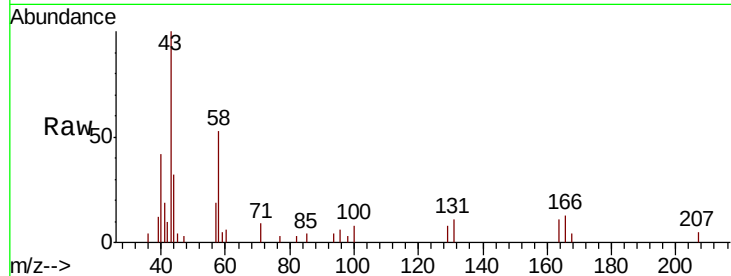




#59
2-Hexanone
Concen: 0.834 ug/l
RT: 10.76 min Scan# 2794
Delta R.T. 0.00 min
Lab File: VN055549.D
Acq: 10 May 2019 14:02

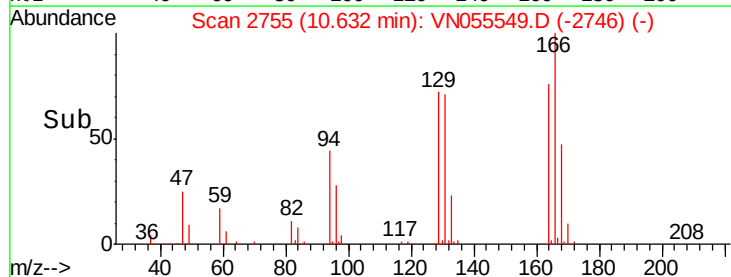
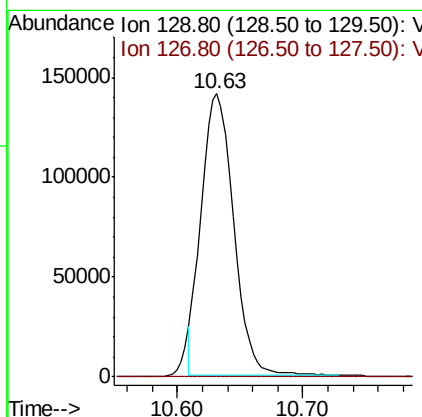
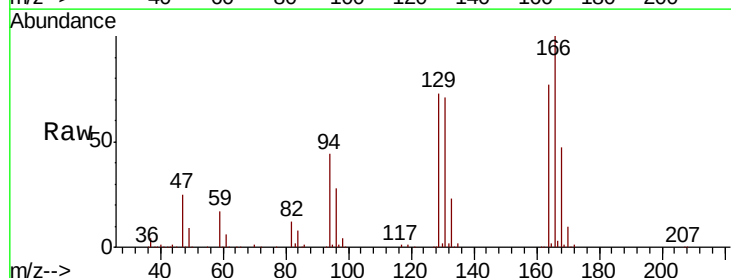
Instrument :
MSVOA_N
ClientSampled :
DUP-02

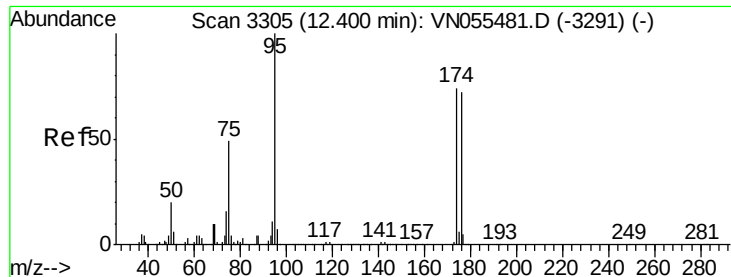
Tot Ion: 43 Resp: 9088
Ion Ratio Lower Upper
43 100
58 55.7 26.4 79.0



#60
Dibromochloromethane
Concen: 27.122 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.27 min
Lab File: VN055549.D
Acq: 10 May 2019 14:02

Tgt Ion: 129 Resp: 252801
Ion Ratio Lower Upper
129 100
127 0.0 38.6 116.0#





#62

4-Bromofluorobenzene

Concen: 41.319 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN055549.D

Acq: 10 May 2019 14:02

Instrument :

MSVOA_N

ClientSampled :

DUP-02

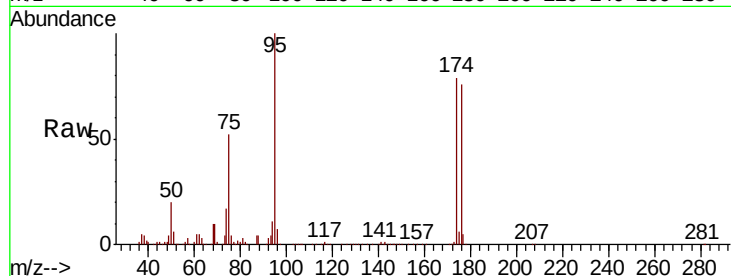
Tot Ion: 95 Resp: 506950

Ion Ratio Lower Upper

95 100

174 79.3 0.0 152.2

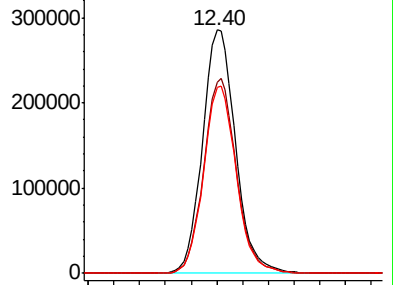
176 76.5 0.0 147.8



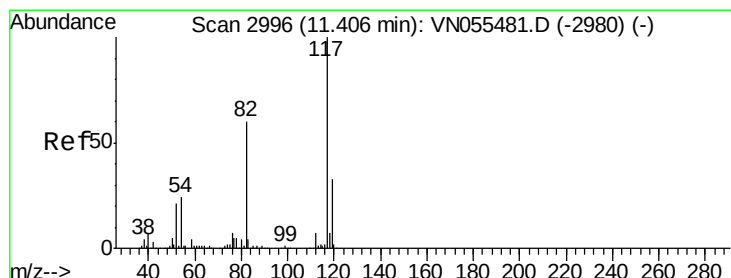
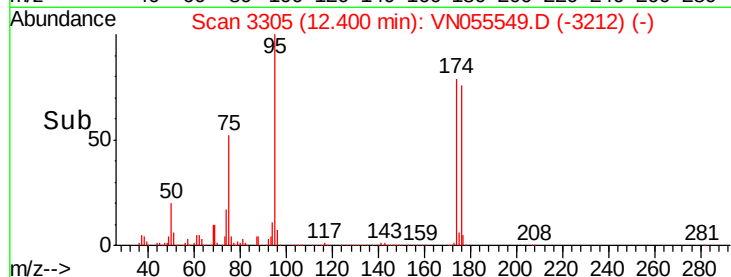
Abundance Ion 94.90 (94.60 to 95.60): VN055481.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN055481.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN055481.D (-3291) (-)



Time--> 12.30 12.40 12.50



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN055549.D

Acq: 10 May 2019 14:02

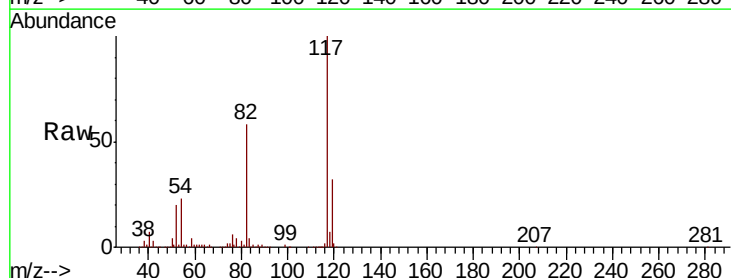
Tgt Ion: 117 Resp: 1209701

Ion Ratio Lower Upper

117 100

82 58.4 48.0 72.0

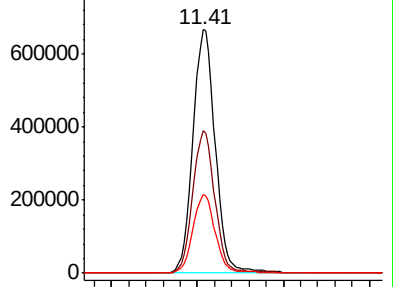
119 32.1 26.0 39.0



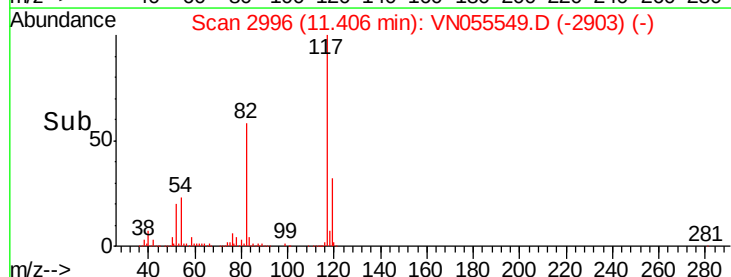
Abundance Ion 116.90 (116.60 to 117.60): VN055481.D (-2980) (-)

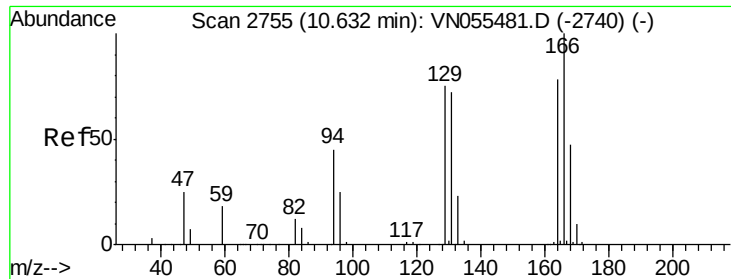
Ion 82.00 (81.70 to 82.70): VN055481.D (-2980) (-)

Ion 118.90 (118.60 to 119.60): VN055481.D (-2980) (-)



Time--> 11.30 11.40 11.50





#64

Tetrachloroethene

Concen: 27.850 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. -0.00 min

Lab File: VN055549.D

Acq: 10 May 2019 14:02

Instrument :

MSVOA_N

ClientSampleId :

DUP-02

Tot Ion:164 Resp: 276063

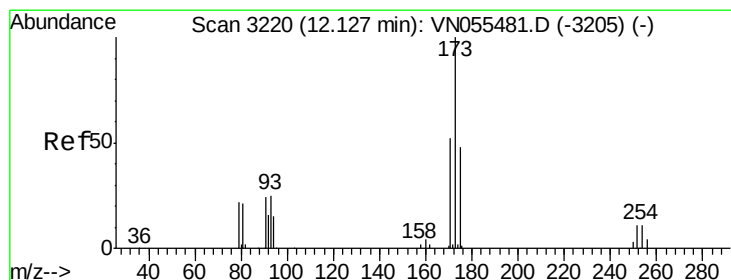
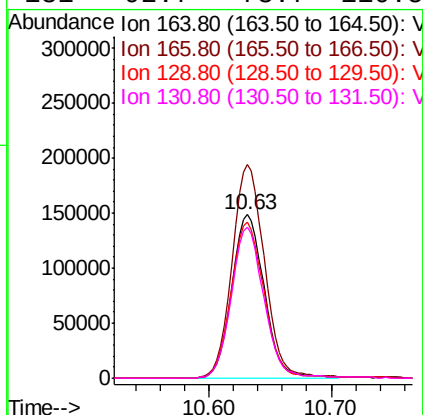
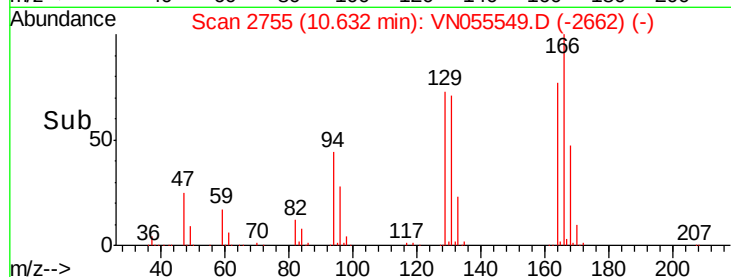
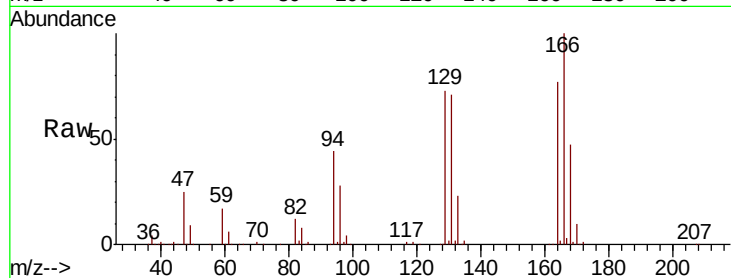
Ion Ratio Lower Upper

164 100

166 130.6 102.6 153.8

129 95.4 77.0 115.6

131 92.7 73.7 110.5



#71

Bromoform

Concen: 0.621 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.28 min

Lab File: VN055549.D

Acq: 10 May 2019 14:02

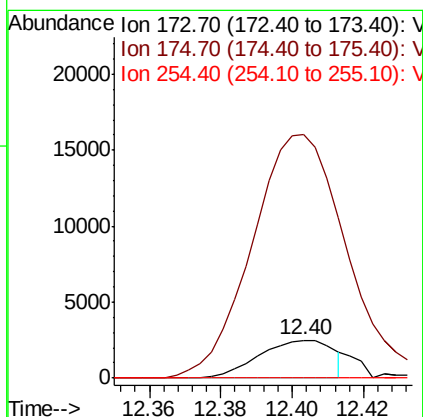
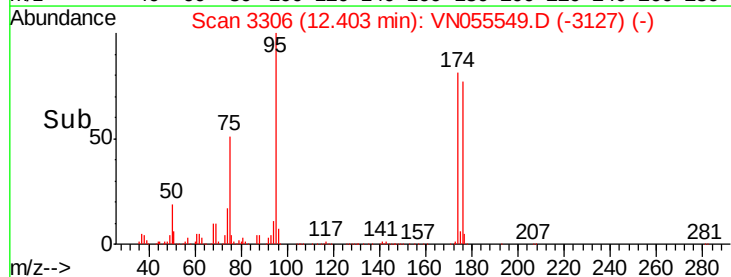
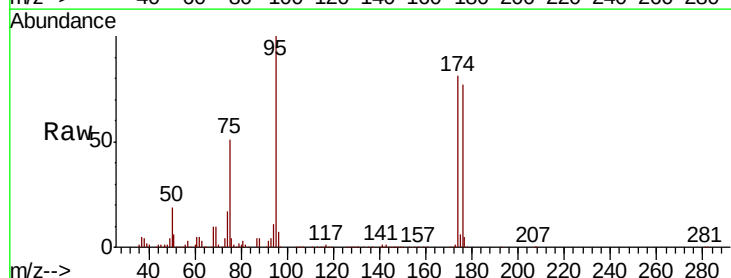
Tgt Ion:173 Resp: 3589

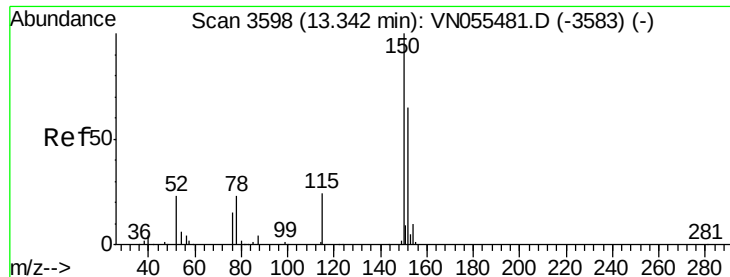
Ion Ratio Lower Upper

173 100

175 688.6 24.1 72.4#

254 0.0 0.1 0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN055549.D

Acq: 10 May 2019 14:02

Instrument :

MSVOA_N

ClientSampled :

DUP-02

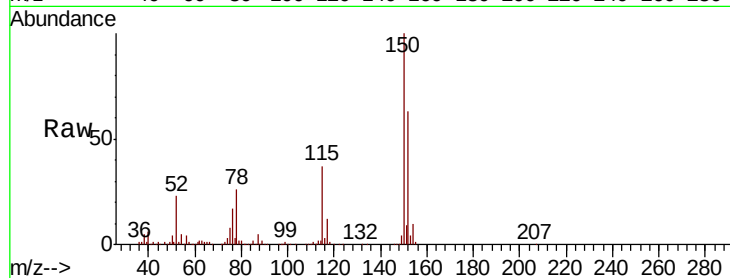
Tot Ion:152 Resp: 335651

Ion Ratio Lower Upper

152 100

115 59.5 30.1 90.5

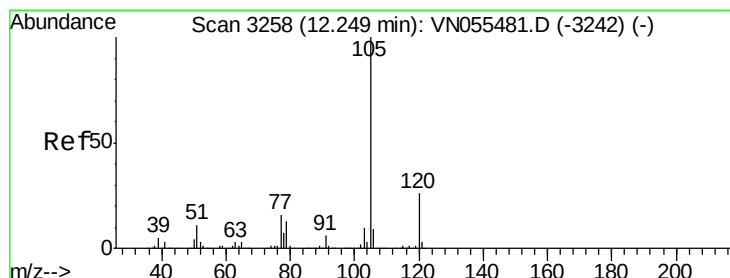
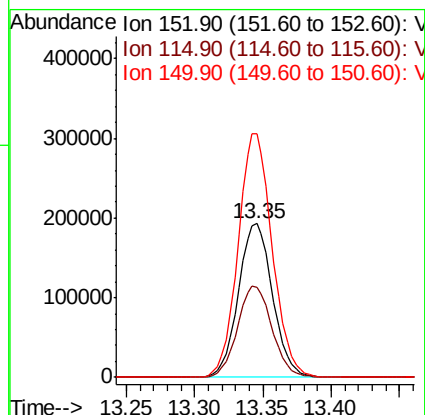
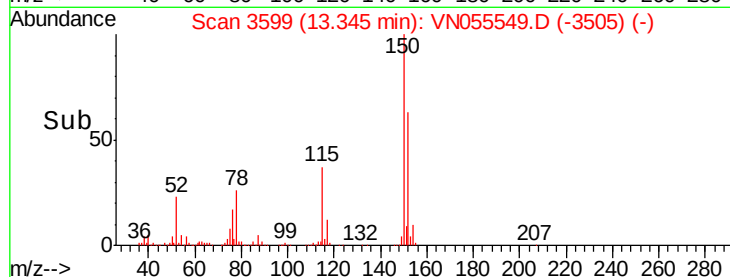
150 157.7 0.0 355.0



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



#73

Isopropylbenzene

Concen: Below Cal

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN055549.D

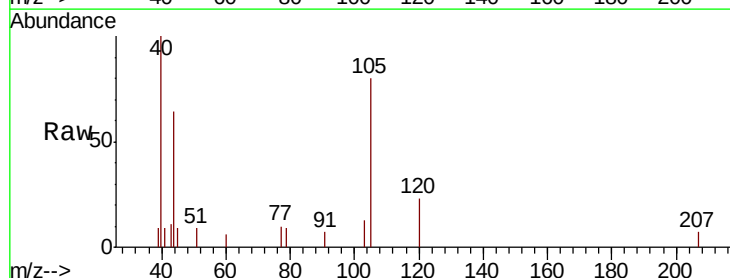
Acq: 10 May 2019 14:02

Tgt Ion:105 Resp: 3002

Ion Ratio Lower Upper

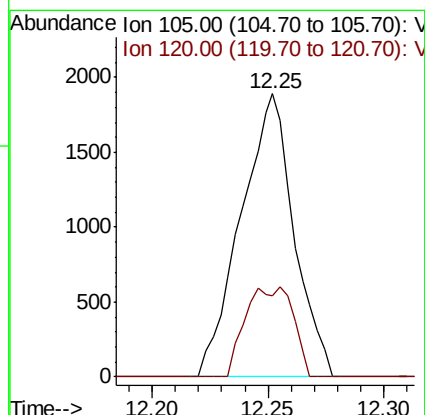
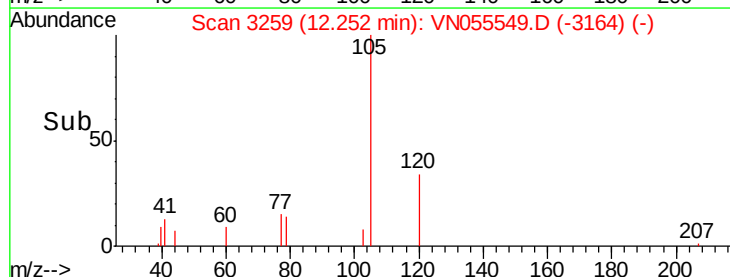
105 100

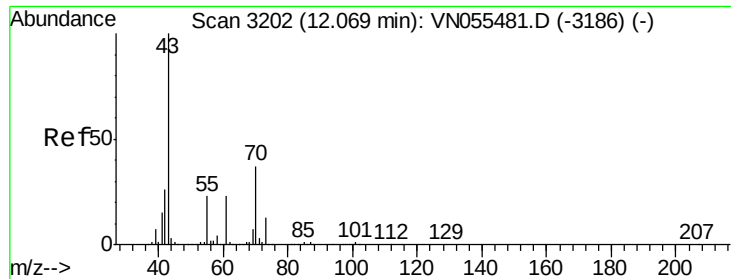
120 28.6 13.0 39.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 0.271 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN055549.D

Acq: 10 May 2019 14:02

Instrument :

MSVOA_N

ClientSampled :

DUP-02

Tot Ion: 43 Resp: 3455

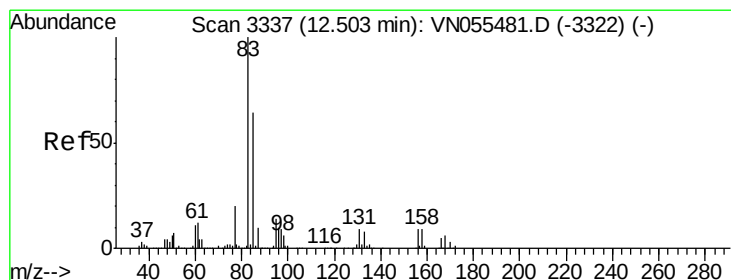
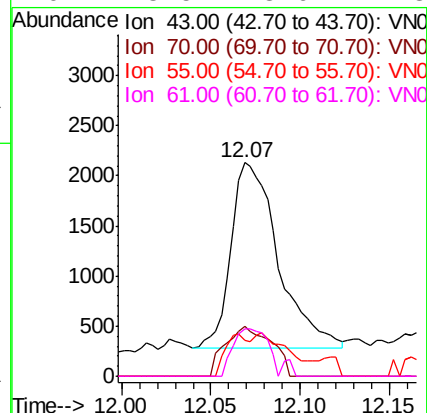
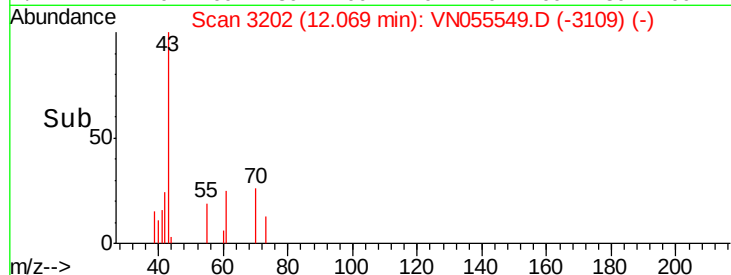
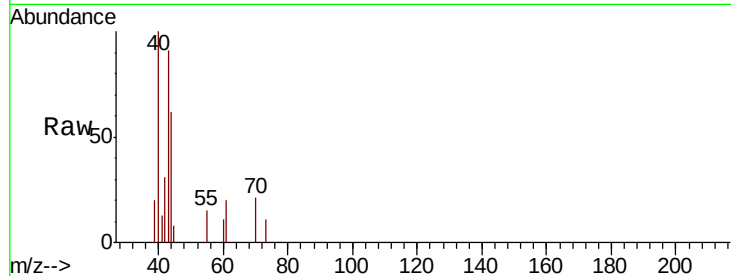
Ion Ratio Lower Upper

43 100

70 25.9 30.7 46.1#

55 11.3 19.3 28.9#

61 18.5 18.6 27.8#



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055549.D

Acq: 10 May 2019 14:02

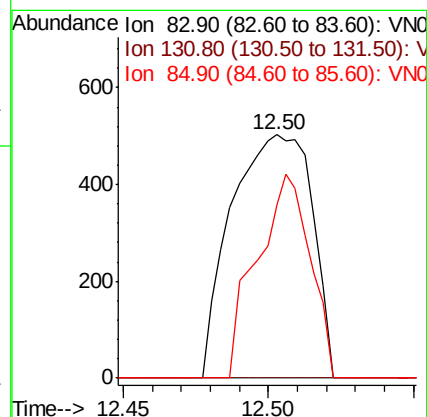
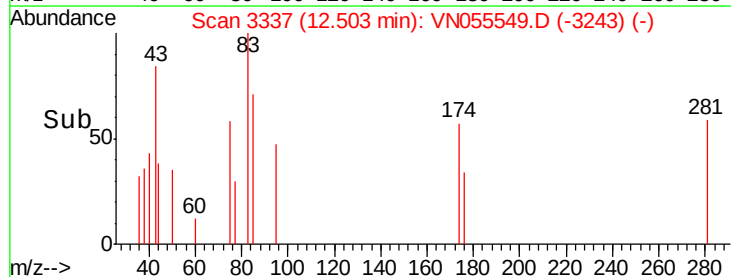
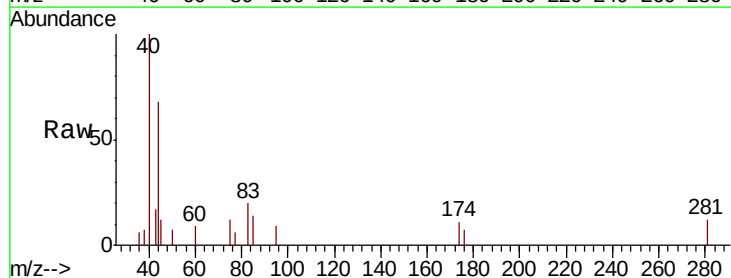
Tgt Ion: 83 Resp: 971

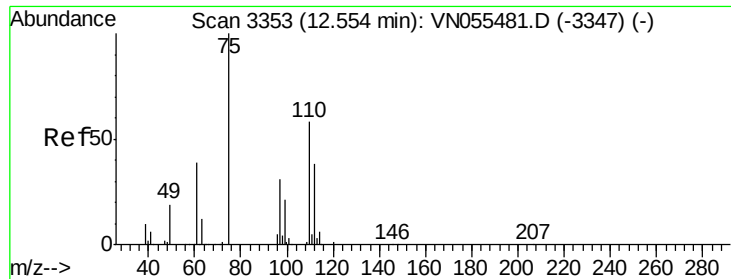
Ion Ratio Lower Upper

83 100

131 0.0 4.5 13.5#

85 55.2 32.0 96.0





#76

1,2,3-Trichloropropane

Concen: 27.963 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN055549.D

Acq: 10 May 2019 14:02

Instrument :

MSVOA_N

ClientSampled :

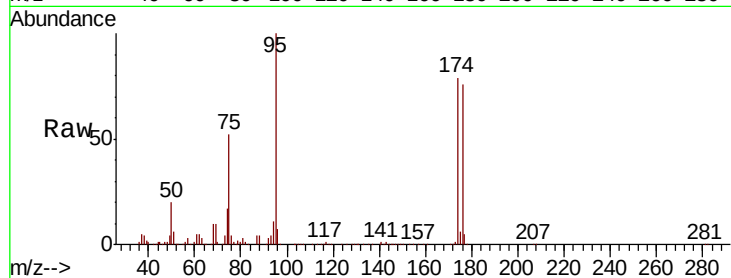
DUP-02

Tot Ion: 75 Resp: 255514

Ion Ratio Lower Upper

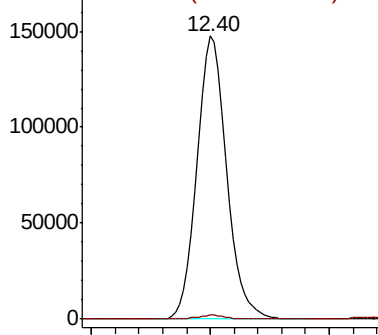
75 100

77 1.4 0.0 0.0#

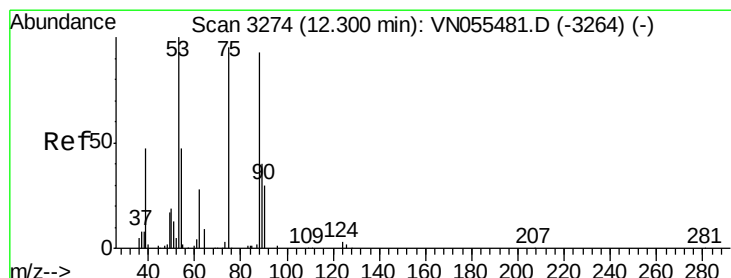
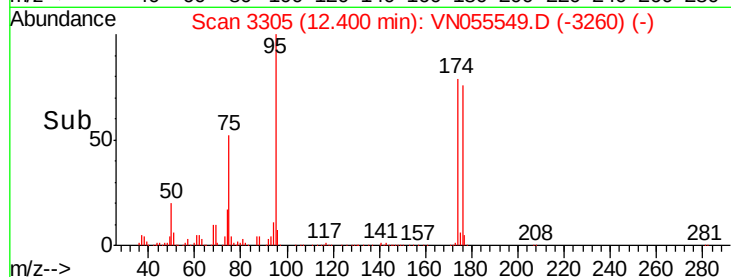


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO



Time--> 12.30 12.40 12.50



#81

trans-1,4-Dichloro-2-butene

Concen: 103.180 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN055549.D

Acq: 10 May 2019 14:02

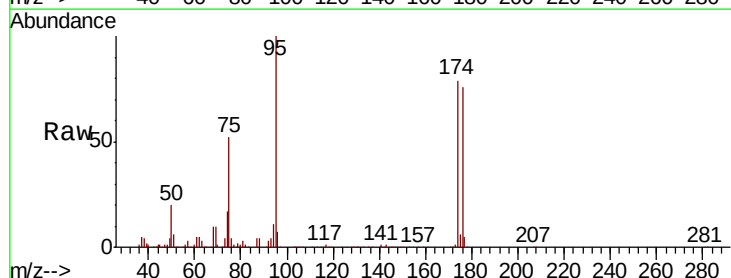
Tgt Ion: 75 Resp: 255514

Ion Ratio Lower Upper

75 100

53 0.1 86.5 129.7#

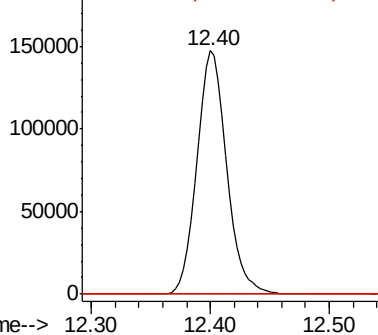
89 0.0 35.7 53.5#



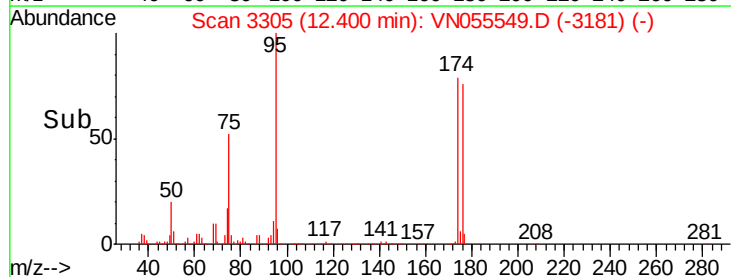
Abundance Ion 74.90 (74.60 to 75.60): VNO

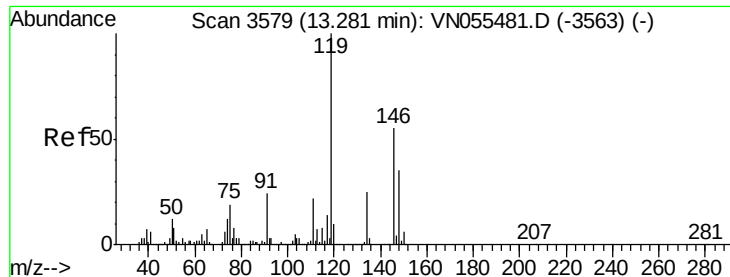
Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO



Time--> 12.30 12.40 12.50

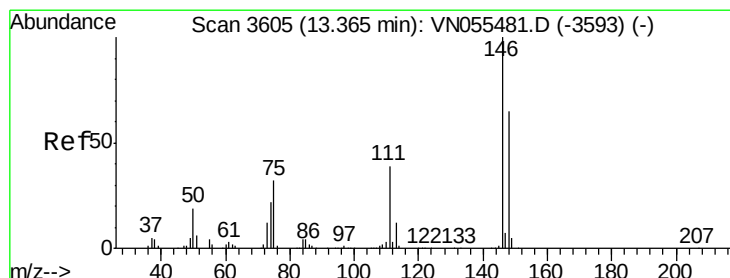
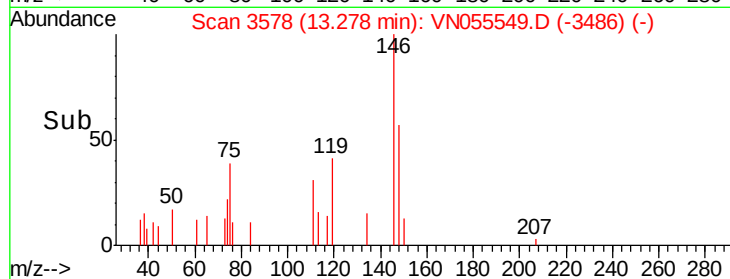
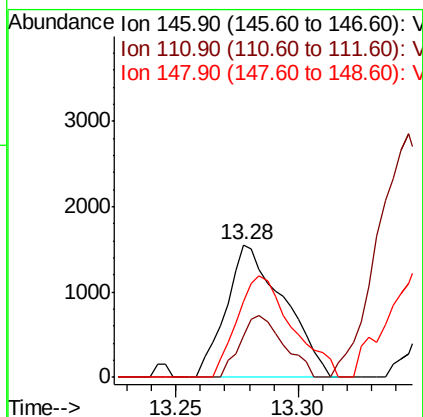
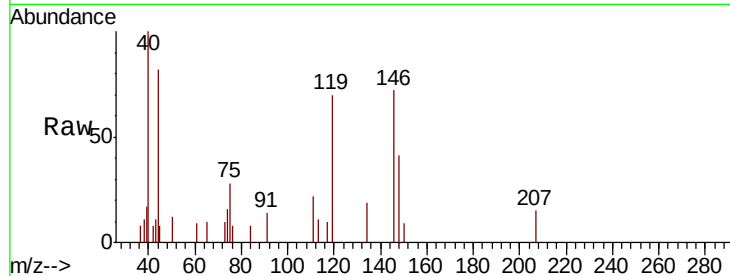




#87
 1,3-Dichlorobenzene
 Concen: 0.223 ug/l
 RT: 13.28 min Scan# 3578
 Delta R.T. -0.00 min
 Lab File: VN055549.D
 Acq: 10 May 2019 14:02

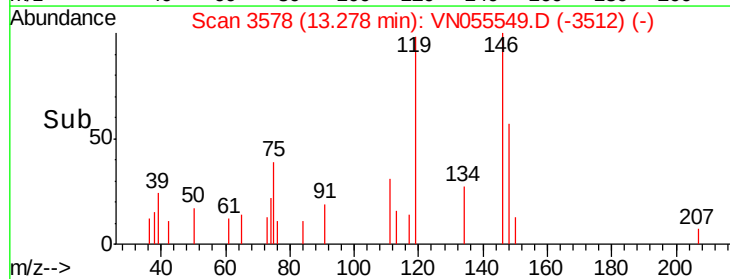
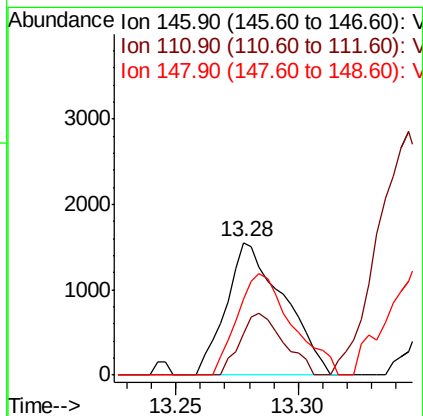
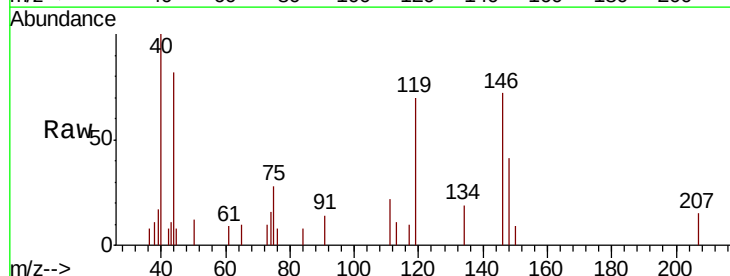
Instrument :
 MSVOA_N
 ClientSampled :
 DUP-02

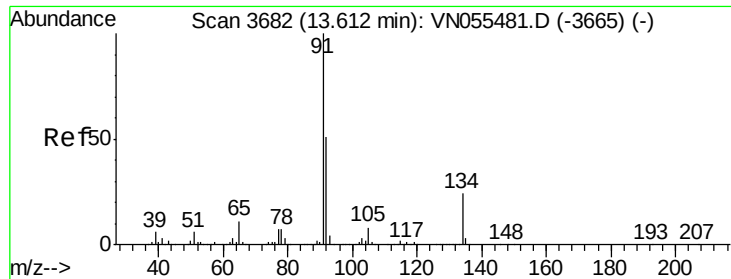
Tot Ion:146 Resp: 2552
 Ion Ratio Lower Upper
 146 100
 111 35.1 20.4 61.3
 148 72.2 32.1 96.5



#88
 1,4-Dichlorobenzene
 Concen: 0.226 ug/l
 RT: 13.28 min Scan# 3578
 Delta R.T. -0.09 min
 Lab File: VN055549.D
 Acq: 10 May 2019 14:02

Tgt Ion:146 Resp: 2552
 Ion Ratio Lower Upper
 146 100
 111 35.1 19.6 58.8
 148 72.2 32.5 97.4





#89

n-Butylbenzene

Concen: 0.330 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. -0.00 min

Lab File: VN055549.D

Acq: 10 May 2019 14:02

Instrument :

MSVOA_N

ClientSampled :

DUP-02

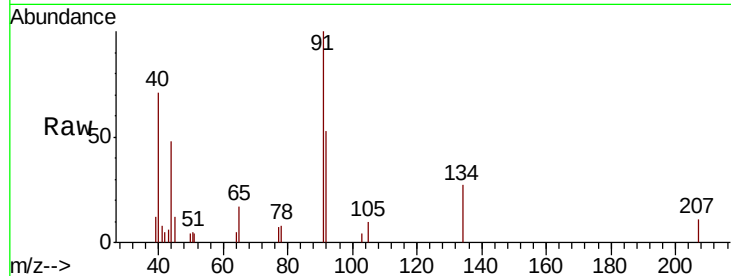
Tot Ion: 91 Resp: 6370

Ion Ratio Lower Upper

91 100

92 48.9 25.9 77.7

134 28.6 11.8 35.4

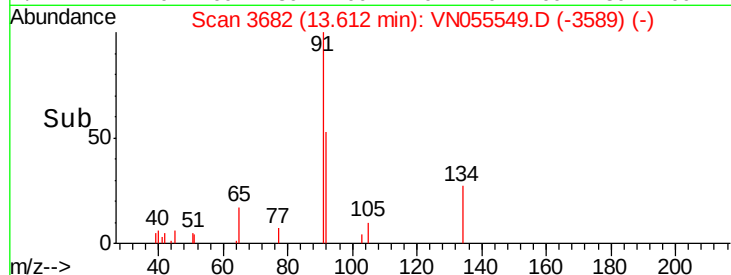


Abundance Ion 91.00 (90.70 to 91.70): VN055481.D (-3665) (-)

Ion 92.00 (91.70 to 92.70): VN055481.D (-3665) (-)

Ion 134.00 (133.70 to 134.70): VN055481.D (-3665) (-)

Time--> 13.55 13.60 13.65

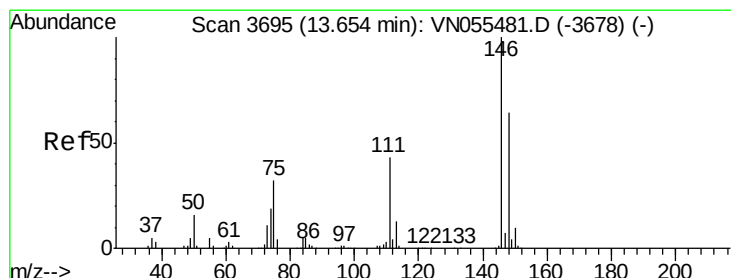


Abundance Ion 91.00 (90.70 to 91.70): VN055549.D (-3589) (-)

Ion 92.00 (91.70 to 92.70): VN055549.D (-3589) (-)

Ion 134.00 (133.70 to 134.70): VN055549.D (-3589) (-)

Time--> 13.55 13.60 13.65



#91

1,2-Dichlorobenzene

Concen: 0.276 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. -0.00 min

Lab File: VN055549.D

Acq: 10 May 2019 14:02

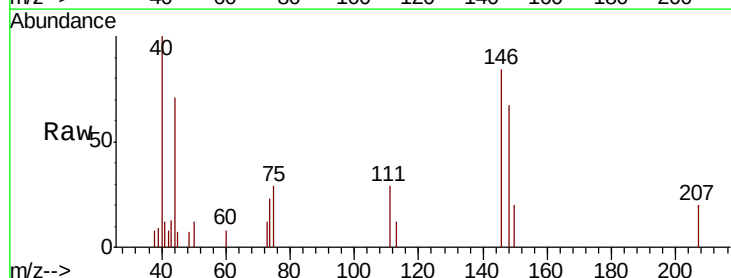
Tgt Ion: 146 Resp: 3150

Ion Ratio Lower Upper

146 100

111 35.6 21.3 63.7

148 68.2 31.9 95.9

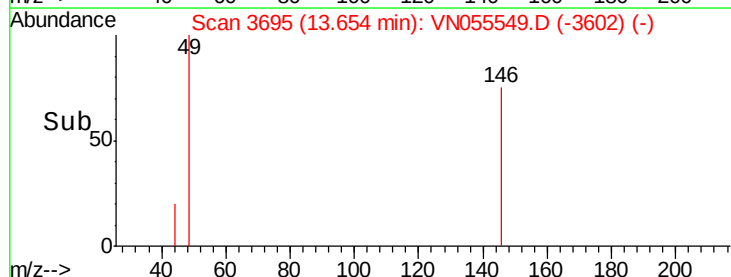


Abundance Ion 145.90 (145.60 to 146.60): VN055481.D (-3678) (-)

Ion 110.90 (110.60 to 111.60): VN055481.D (-3678) (-)

Ion 147.90 (147.60 to 148.60): VN055481.D (-3678) (-)

Time--> 13.60 13.65 13.70

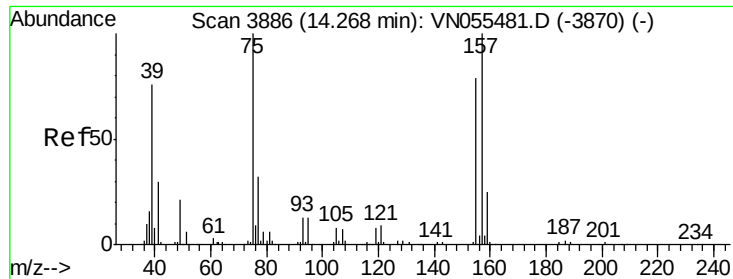


Abundance Ion 145.90 (145.60 to 146.60): VN055549.D (-3602) (-)

Ion 110.90 (110.60 to 111.60): VN055549.D (-3602) (-)

Ion 147.90 (147.60 to 148.60): VN055549.D (-3602) (-)

Time--> 13.60 13.65 13.70



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.202 ug/l

RT: 14.27 min Scan# 3888

Delta R.T. 0.01 min

Lab File: VN055549.D

Acq: 10 May 2019 14:02

Instrument :

MSVOA_N

ClientSampleId :

DUP-02

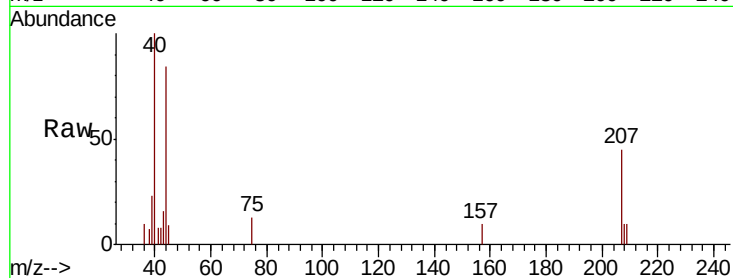
Tot Ion: 75 Resp: 312

Ion Ratio Lower Upper

75 100

155 57.4 39.3 117.8

157 90.4 50.6 151.8



Abundance Ion 74.90 (74.60 to 75.60): VN055481.D (-3870) (-)

Ion 154.80 (154.50 to 155.50): VN055481.D (-3870) (-)

Ion 156.80 (156.50 to 157.50): VN055481.D (-3870) (-)

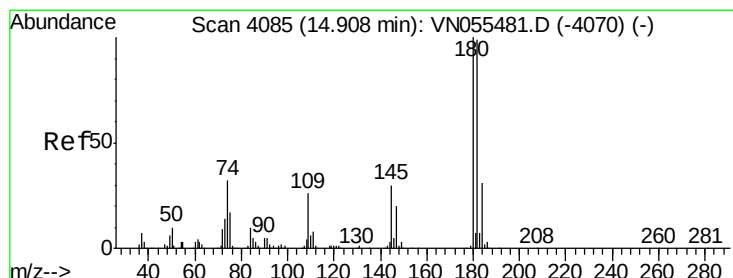
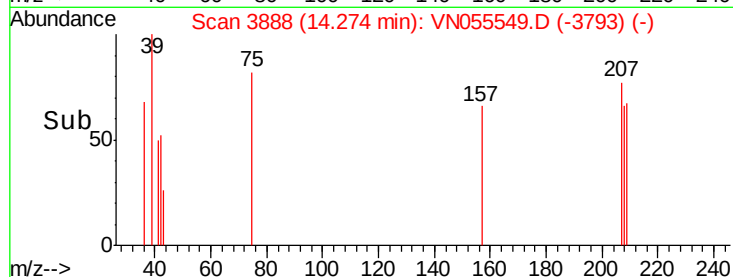
14.27

14.26

14.28

14.30

Time-->



#93

1,2,4-Trichlorobenzene

Concen: 3.876 ug/l

RT: 14.91 min Scan# 4086

Delta R.T. 0.00 min

Lab File: VN055549.D

Acq: 10 May 2019 14:02

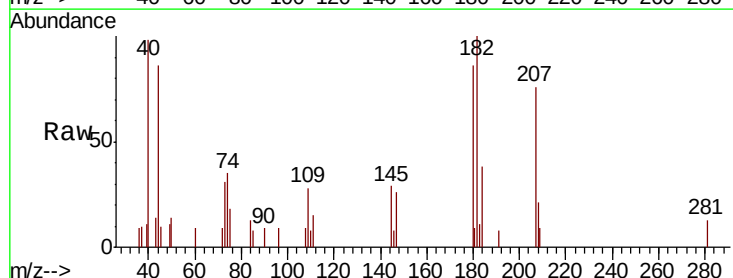
Tgt Ion: 180 Resp: 3565

Ion Ratio Lower Upper

180 100

182 97.2 48.7 146.1

145 25.0 15.3 45.9



Abundance Ion 179.80 (179.50 to 180.50): VN055481.D (-4070) (-)

Ion 181.80 (181.50 to 182.50): VN055481.D (-4070) (-)

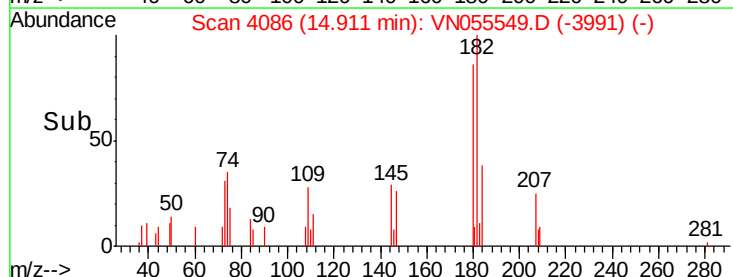
Ion 144.80 (144.50 to 145.50): VN055481.D (-4070) (-)

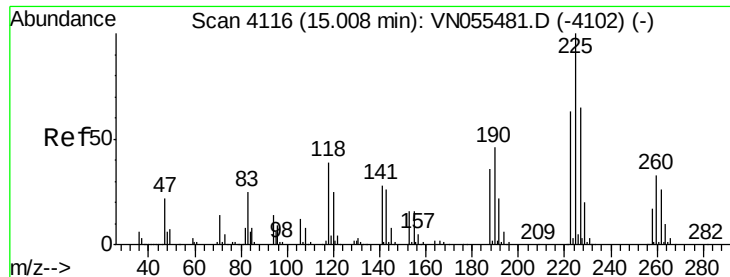
14.91

14.85

14.95

Time-->





#94

Hexachlorobutadiene

Concen: Below Cal

RT: 15.01 min Scan# 4116

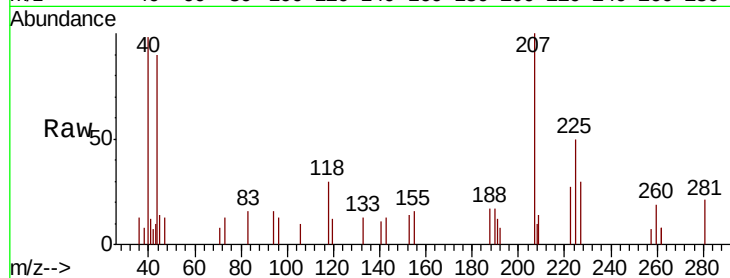
Delta R.T. 0.00 min

Lab File: VN055549.D

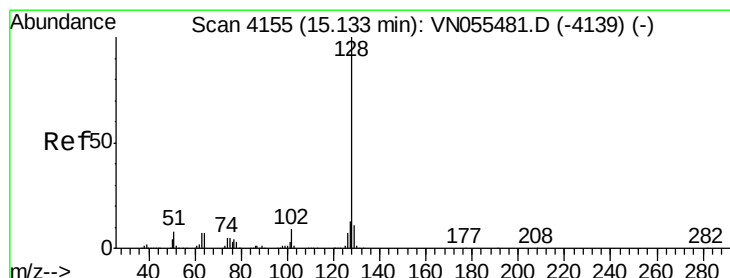
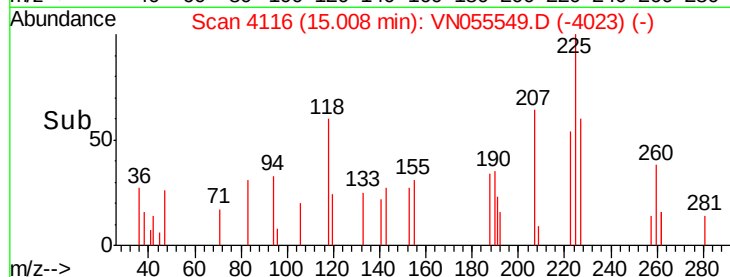
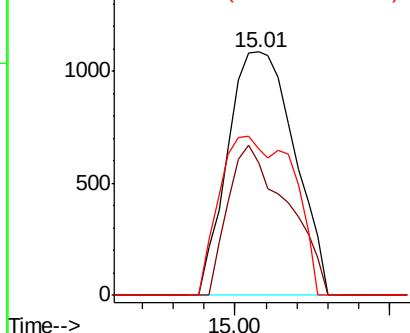
Acq: 10 May 2019 14:02

Instrument :
MSVOA_N
ClientSampled :
DUP-02

Tot Ion:	225	Resp:	1626
Ion	Ratio	Lower	Upper
225	100		
223	55.0	31.4	94.3
227	71.8	32.0	96.0



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 3.825 ug/l

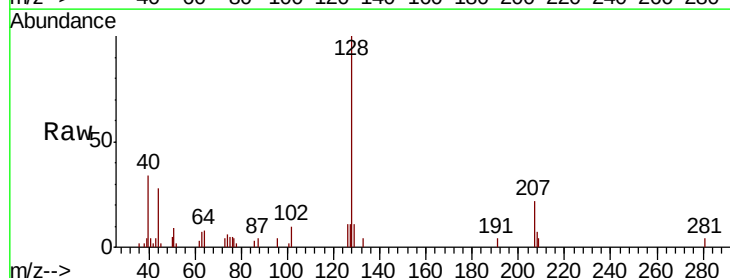
RT: 15.14 min Scan# 4156

Delta R.T. 0.00 min

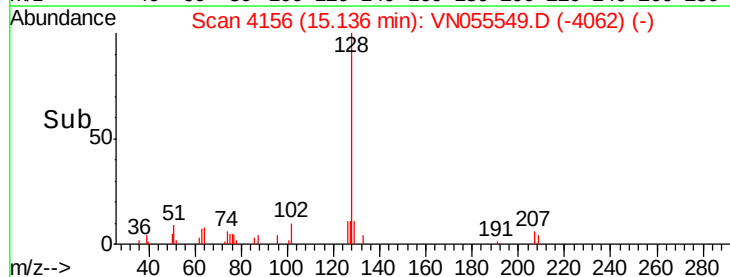
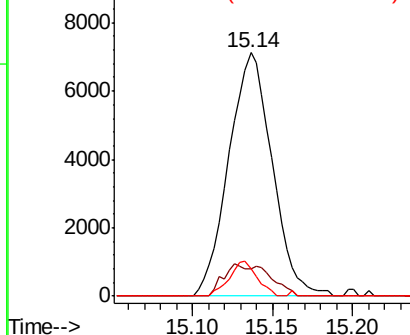
Lab File: VN055549.D

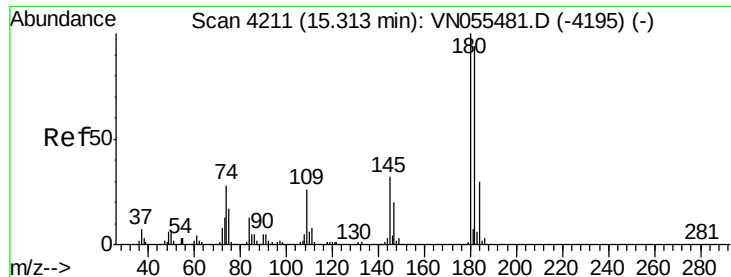
Acq: 10 May 2019 14:02

Tgt Ion:	128	Resp:	13200
Ion	Ratio	Lower	Upper
128	100		
127	6.8	10.0	15.0#
129	9.0	8.8	13.2



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

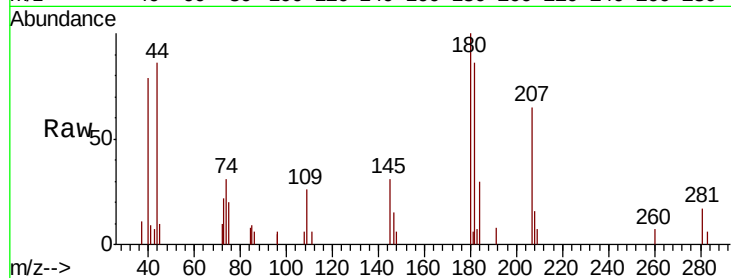




#96
 1,2,3-Trichlorobenzene
 Concen: 3.296 ug/l
 RT: 15.32 min Scan# 4213
 Delta R.T. 0.01 min
 Lab File: VN055549.D
 Acq: 10 May 2019 14:02

Instrument :
 MSVOA_N
 ClientSampleId :
 DUP-02

Tot Ion	Ratio	Lower	Upper
180	100		
182	91.3	47.1	141.3
145	27.6	15.8	47.4



Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.90 (144.60 to 145.60): V

