

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN092019\
 Data File : VN058267.D
 Acq On : 20 Sep 2019 21:30
 Operator : JC/SP
 Sample : K4975-07 50X
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 DUP05-20190917

Quant Time: Sep 20 23:55:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091819W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 19 09:27:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	474870	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	754499	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	638340	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	253487	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.01	65	335936	50.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.58%	
35) Dibromofluoromethane	7.57	113	235165	51.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.54%	
50) Toluene-d8	10.08	98	946484	52.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.92%	
62) 4-Bromofluorobenzene	12.41	95	297905	44.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.76%	

Target Compounds					Qvalue
3) Chloromethane	2.03	50	602	Below Cal	94
4) Vinyl Chloride	2.17	62	225	Below Cal #	1
5) Bromomethane	2.56	94	1294	1.455 ug/l #	73
6) Chloroethane	2.69	64	67	Below Cal #	44
10) Methyl Iodide	3.94	142	766	0.238 ug/l #	38
11) Tert butyl alcohol	4.75	59	196	0.249 ug/l #	71
12) 1,1-Dichloroethene	3.72	96	29	Below Cal #	1
13) Acrolein	3.60	56	105	0.901 ug/l	91
16) Acetone	3.80	43	1216	0.542 ug/l #	45
17) Carbon Disulfide	4.03	76	2237	0.813 ug/l #	74
18) Methyl Acetate	4.30	43	1540	0.261 ug/l #	53
20) Methylene Chloride	4.53	84	231	Below Cal #	26
21) trans-1,2-Dichloroethene	5.02	96	229	Below Cal #	9
31) Cyclohexane	7.65	56	11464	Below Cal #	20
36) 1,1-Dichloropropene	7.65	75	41341	7.598 ug/l #	51
38) Carbon Tetrachloride	7.65	117	48429	8.854 ug/l #	14
41) Methacrylonitrile	7.16	41	137	0.958 ug/l #	100
43) Isopropyl Acetate	8.28	43	16267	1.543 ug/l #	57
44) Trichloroethene	8.83	130	3356	0.825 ug/l	89
49) 1,4-Dioxane	9.21	88	235	2.989 ug/l #	61
51) 4-Methyl-2-Pentanone	9.98	43	4721	0.843 ug/l #	80
59) 2-Hexanone	10.76	43	4739	1.139 ug/l	95
68) m/p-Xylenes	11.62	106	1637	0.226 ug/l	99
71) Bromoform	12.13	173	181	3.651 ug/l #	29
74) N-amyl acetate	12.08	43	2173	0.327 ug/l	97
76) 1,2,3-Trichloropropane	12.41	75	163756	36.096 ug/l #	100
77) Bromobenzene	12.53	156	926	0.232 ug/l	93
81) trans-1,4-Dichloro-2-buten	12.41	75	163756	100.793 ug/l #	5
82) 4-Chlorotoluene	12.78	91	3566	0.301 ug/l	94
86) p-Isopropyltoluene	13.29	119	3070	0.221 ug/l	88
87) 1,3-Dichlorobenzene	13.29	146	3045	0.418 ug/l	97
88) 1,4-Dichlorobenzene	13.29	146	3045	0.409 ug/l	96
89) n-Butylbenzene	13.62	91	6280	0.476 ug/l	90
90) Hexachloroethane	13.88	117	94	2.859 ug/l #	47

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Quant Title : SW846 8260
QLast Update : Thu Sep 19 09:27:53 2019
Response via : Initial Calibration

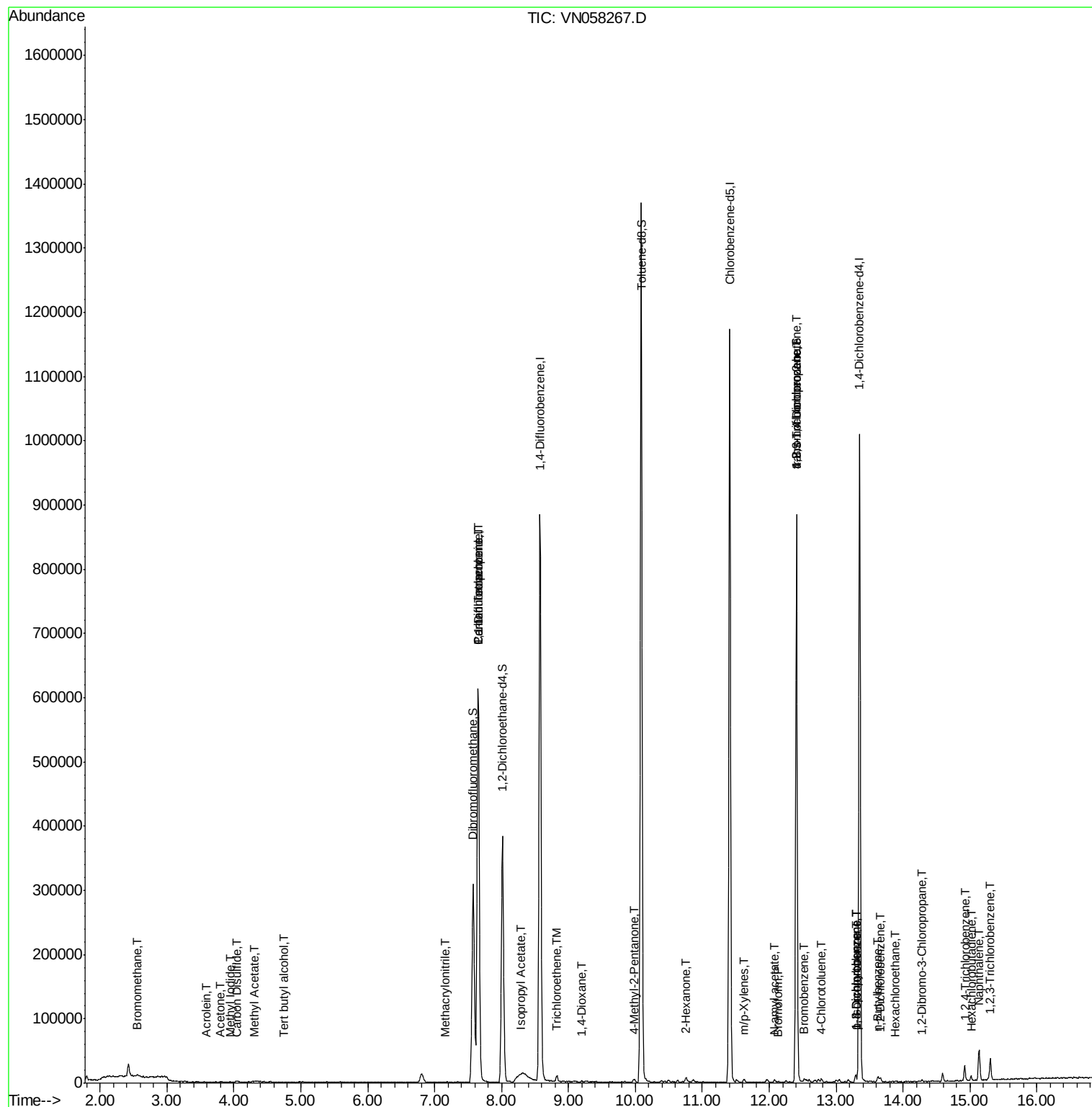
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
91) 1,2-Dichlorobenzene	13.66	146	3073	0.420	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	14.27	75	337	0.352	ug/l #	67
93) 1,2,4-Trichlorobenzene	14.92	180	7114	1.523	ug/l	94
94) Hexachlorobutadiene	15.01	225	1521	0.674	ug/l	87
95) Naphthalene	15.13	128	39458	3.259	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	9687	2.194	ug/l	94

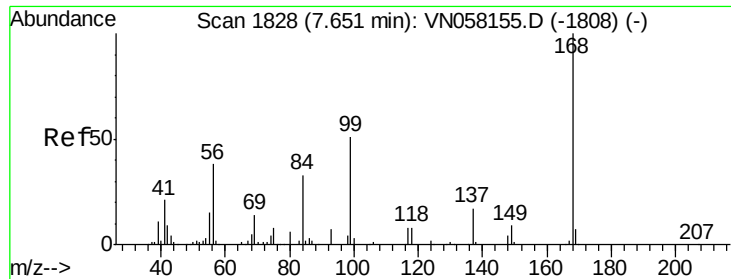
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN092019\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.00 min

Lab File: VN058267.D

Acq: 20 Sep 2019 21:30

Instrument :

MSVOA_N

ClientSampleId :

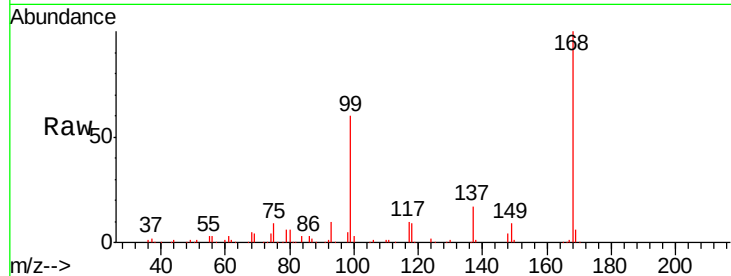
DUP05-20190917

Tgt Ion: 168 Resp: 474870

Ion Ratio Lower Upper

168 100

99 59.8 47.4 71.2



Abundance Ion 167.90 (167.60 to 168.60): VN058155.D (-1808) (-)

Ion 98.90 (98.60 to 99.60): VN058155.D (-1808) (-)

7.65

200000

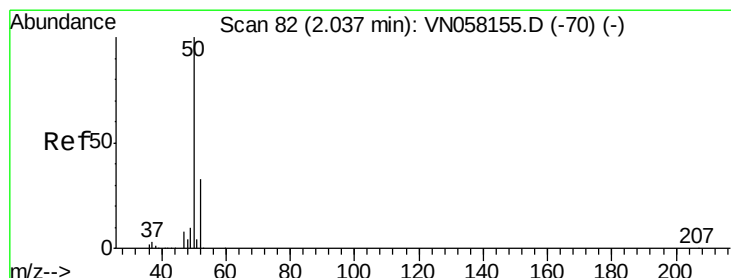
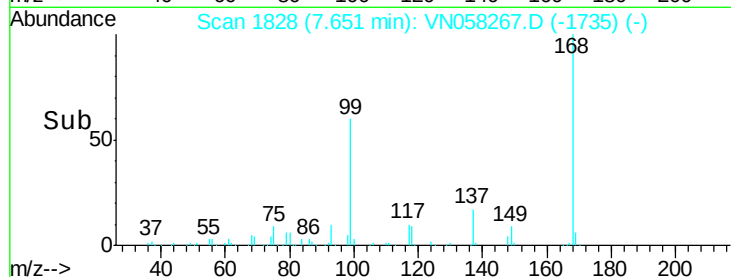
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: Below Cal

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN058267.D

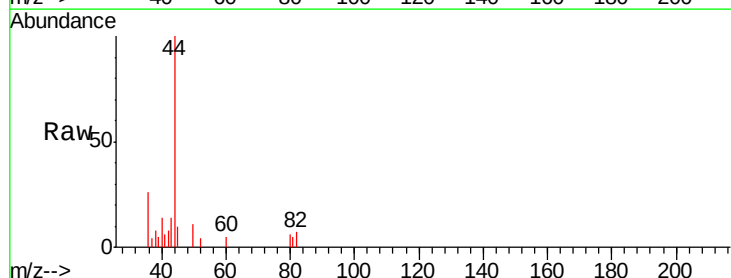
Acq: 20 Sep 2019 21:30

Tgt Ion: 50 Resp: 602

Ion Ratio Lower Upper

50 100

52 36.5 26.3 39.5



Abundance Ion 49.90 (49.60 to 50.60): VN058155.D (-70) (-)

Ion 51.90 (51.60 to 52.60): VN058155.D (-70) (-)

2.03

500

400

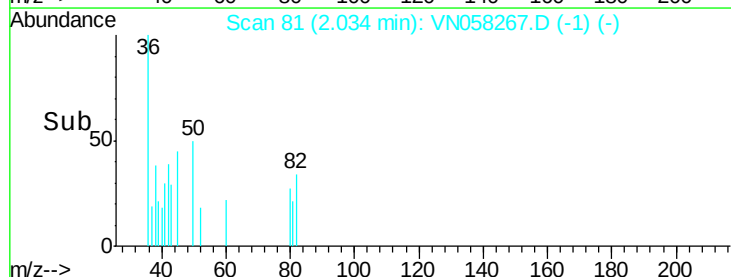
300

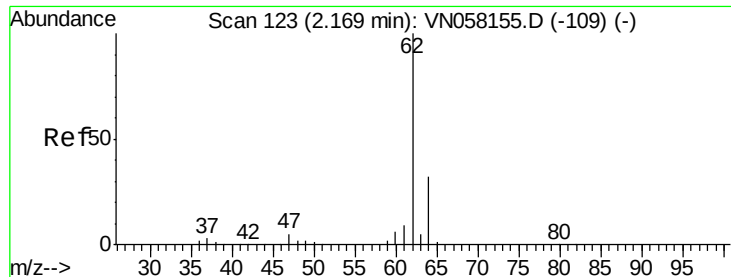
200

100

0

Time-->





#4

Vinyl Chloride

Concen: Below Cal

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN058267.D

Acq: 20 Sep 2019 21:30

Instrument :

MSVOA_N

ClientSampleId :

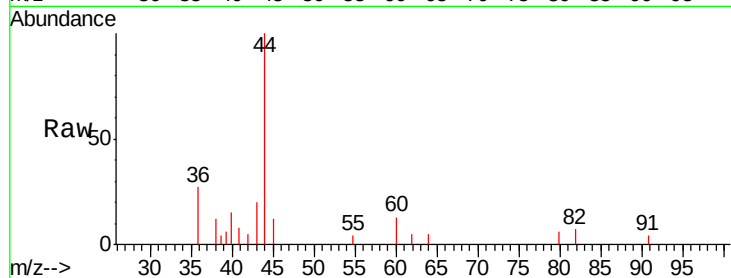
DUP05-20190917

Tgt Ion: 62 Resp: 225

Ion Ratio Lower Upper

62 100

64 89.3 25.4 38.2#



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

2.17

200

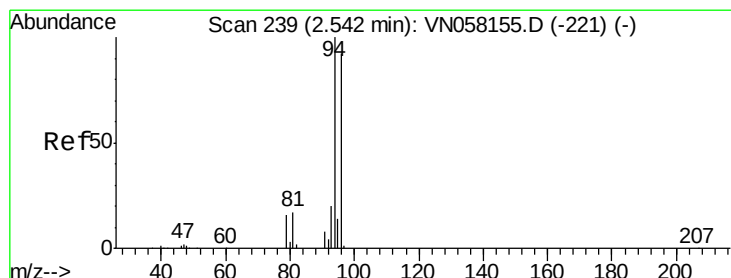
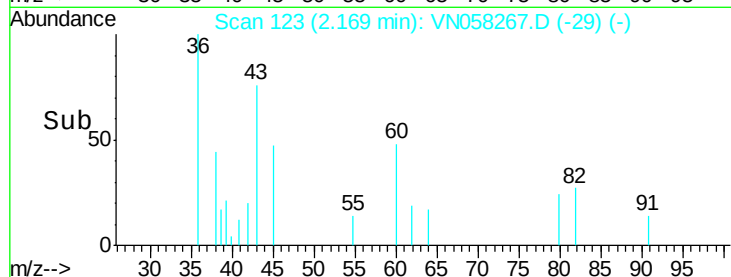
150

100

50

0

Time--> 2.14 2.16 2.18



#5

Bromomethane

Concen: 1.455 ug/l

RT: 2.56 min Scan# 244

Delta R.T. 0.02 min

Lab File: VN058267.D

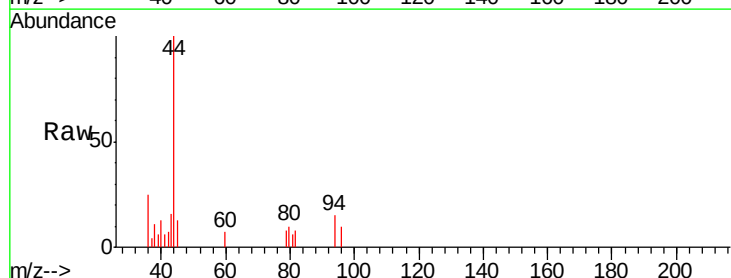
Acq: 20 Sep 2019 21:30

Tgt Ion: 94 Resp: 1294

Ion Ratio Lower Upper

94 100

96 65.5 73.3 109.9#



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.56

800

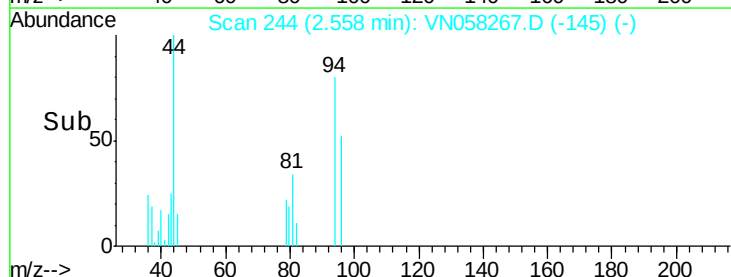
600

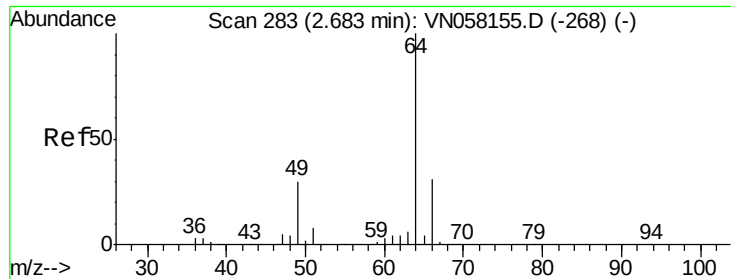
400

200

0

Time--> 2.52 2.54 2.56 2.58 2.60





#6

Chloroethane

Concen: Below Cal

RT: 2.69 min Scan# 284

Delta R.T. 0.00 min

Lab File: VN058267.D

Acq: 20 Sep 2019 21:30

Instrument :

MSVOA_N

ClientSampleId :

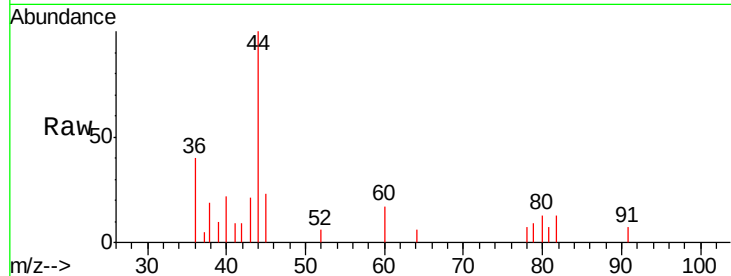
DUP05-20190917

Tgt Ion: 64 Resp: 67

Ion Ratio Lower Upper

64 100

66 0.0 24.6 37.0#



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.69

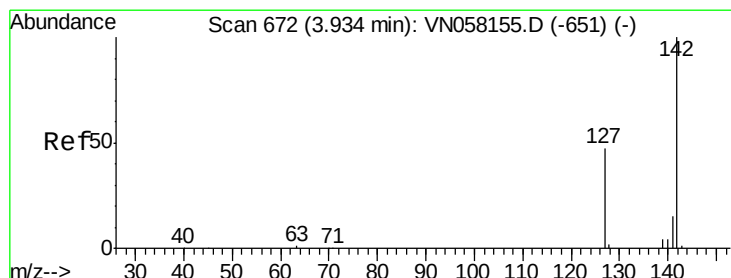
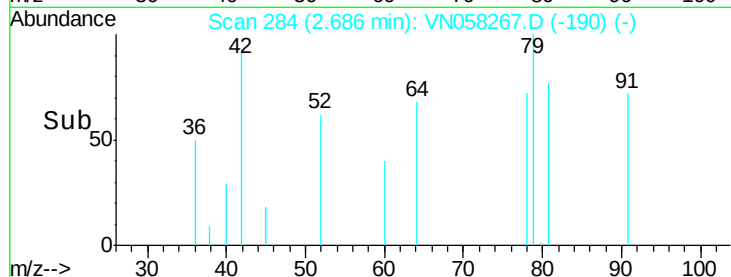
150

100

50

0

Time-->



#10

Methyl Iodide

Concen: 0.238 ug/l

RT: 3.94 min Scan# 673

Delta R.T. 0.00 min

Lab File: VN058267.D

Acq: 20 Sep 2019 21:30

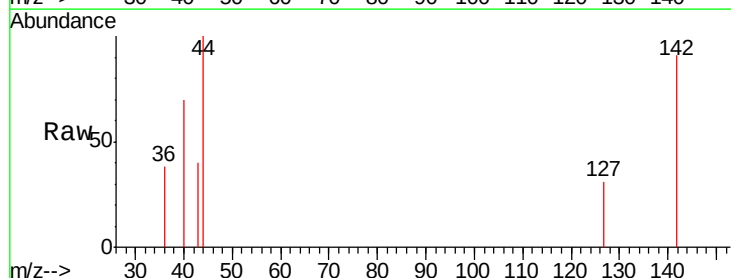
Tgt Ion: 142 Resp: 766

Ion Ratio Lower Upper

142 100

127 0.0 37.5 56.3#

141 0.0 11.4 17.2#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

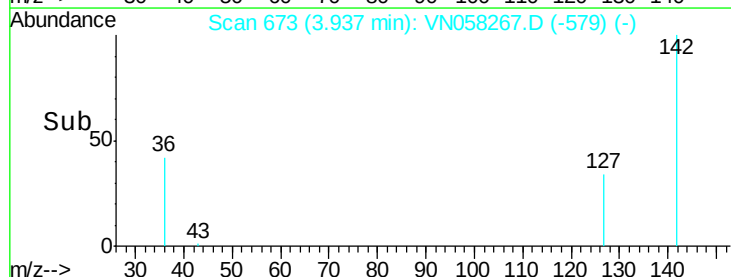
3.94

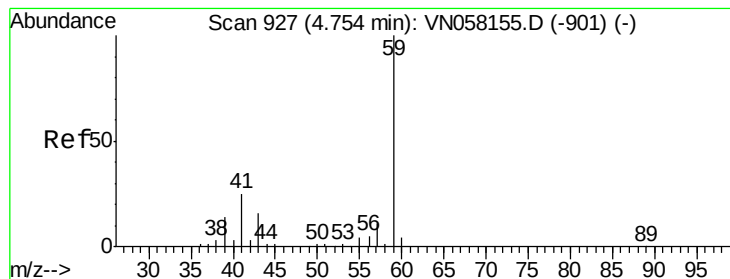
400

200

0

Time-->





#11

Tert butyl alcohol

Concen: 0.249 ug/l

RT: 4.75 min Scan# 927

Delta R.T. -0.00 min

Lab File: VN058267.D

Acq: 20 Sep 2019 21:30

Instrument :

MSVOA_N

ClientSampleId :

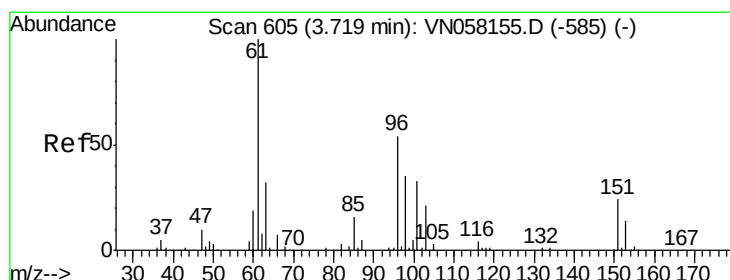
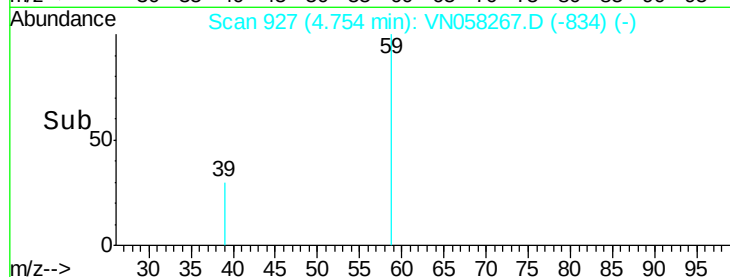
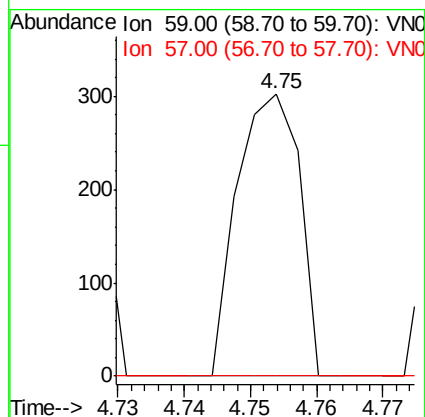
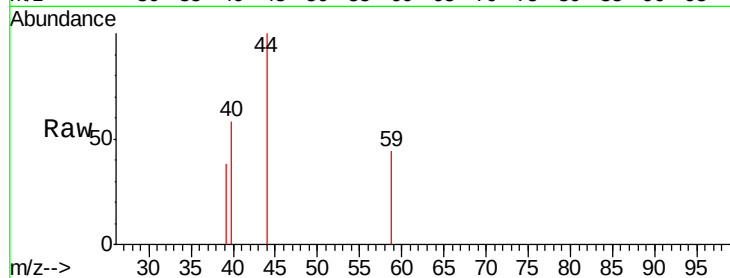
DUP05-20190917

Tgt Ion: 59 Resp: 196

Ion Ratio Lower Upper

59 100

57 0.0 8.6 13.0#



#12

1,1-Dichloroethene

Concen: Below Cal

RT: 3.72 min Scan# 606

Delta R.T. 0.00 min

Lab File: VN058267.D

Acq: 20 Sep 2019 21:30

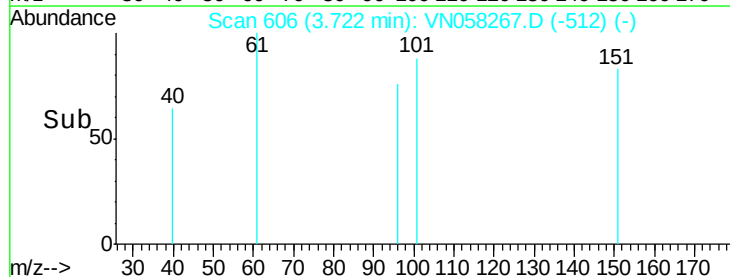
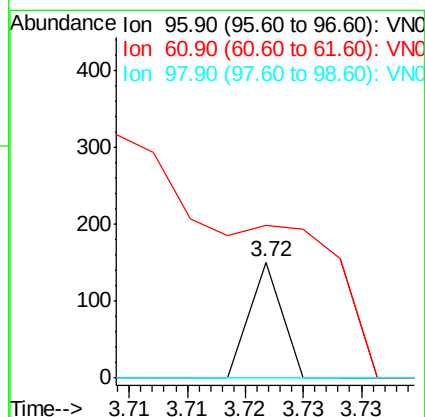
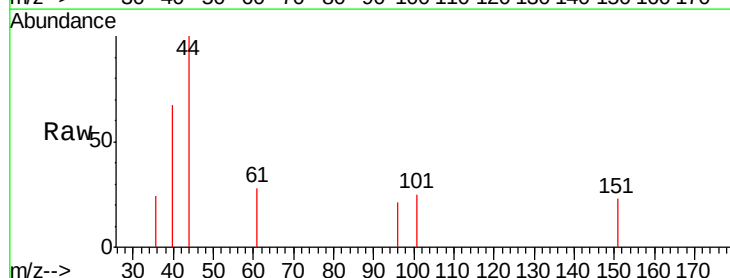
Tgt Ion: 96 Resp: 29

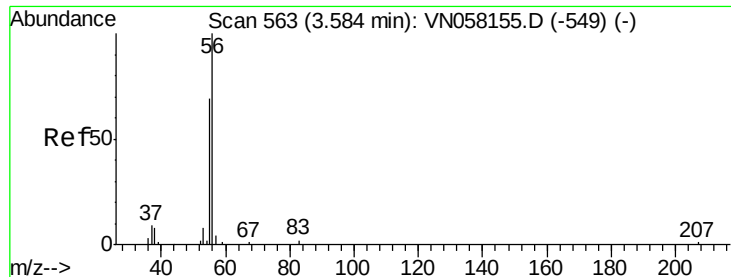
Ion Ratio Lower Upper

96 100

61 27.8 149.5 224.3#

98 0.0 52.4 78.6#





#13

Acrolein

Concen: 0.901 ug/l

RT: 3.60 min Scan# 568

Delta R.T. 0.02 min

Lab File: VN058267.D

Acq: 20 Sep 2019 21:30

Instrument :

MSVOA_N

ClientSampleId :

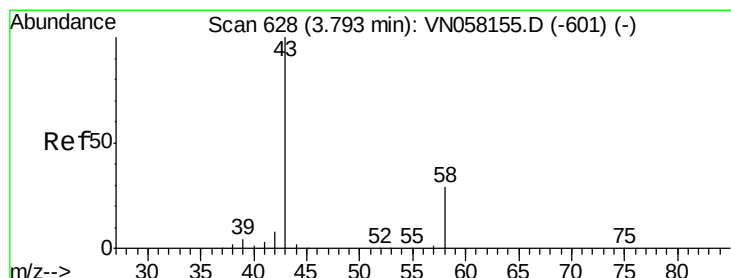
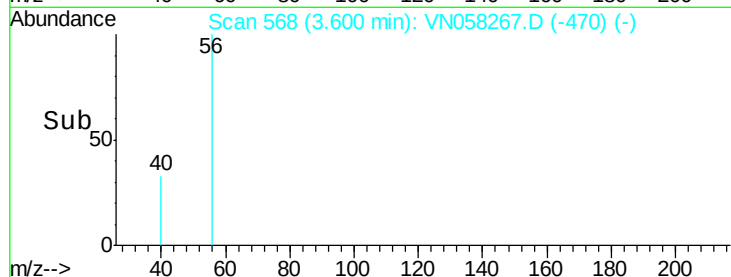
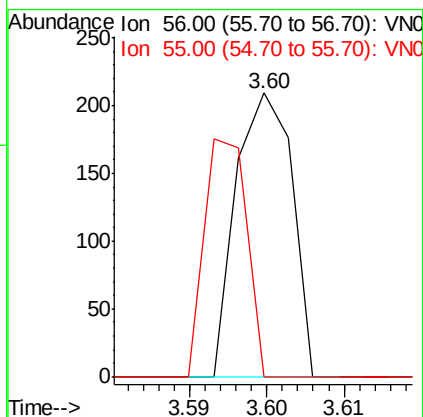
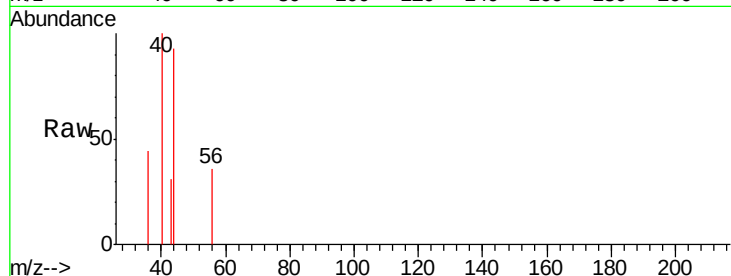
DUP05-20190917

Tgt Ion: 56 Resp: 105

Ion Ratio Lower Upper

56 100

55 62.9 56.1 84.1



#16

Acetone

Concen: 0.542 ug/l

RT: 3.80 min Scan# 631

Delta R.T. 0.01 min

Lab File: VN058267.D

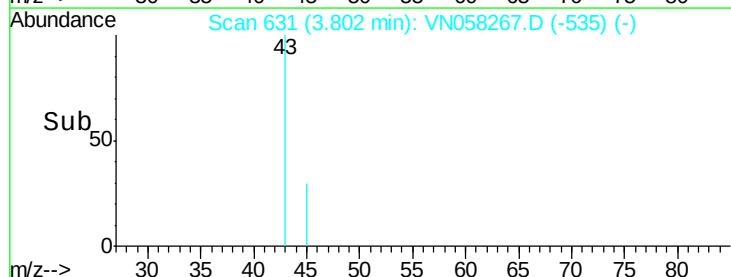
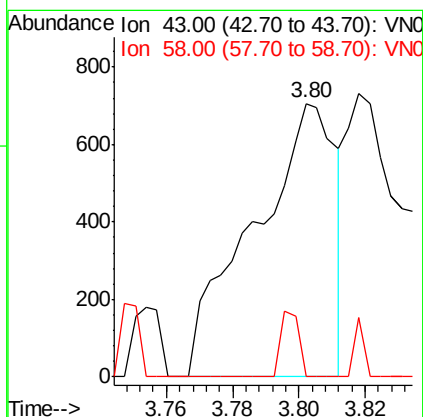
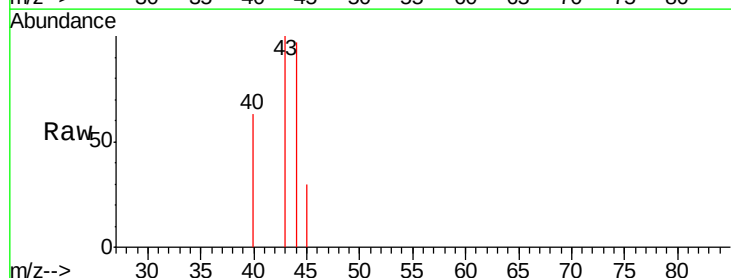
Acq: 20 Sep 2019 21:30

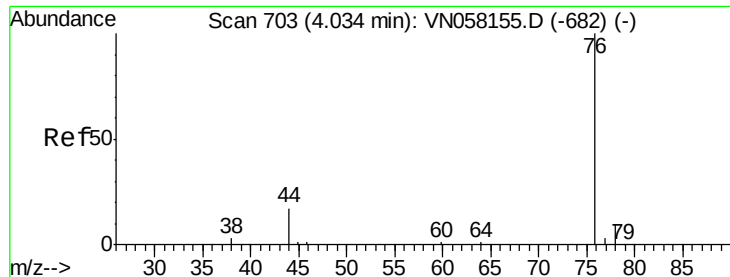
Tgt Ion: 43 Resp: 1216

Ion Ratio Lower Upper

43 100

58 0.0 23.4 35.2#





#17

Carbon Disulfide

Concen: 0.813 ug/l

RT: 4.03 min Scan# 702

Delta R.T. -0.00 min

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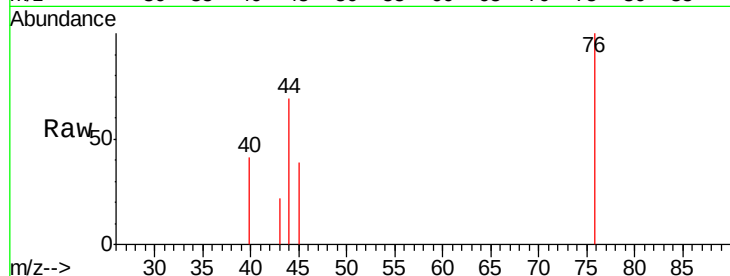
DUP05-20190917

Tgt Ion: 76 Resp: 2237

Ion Ratio Lower Upper

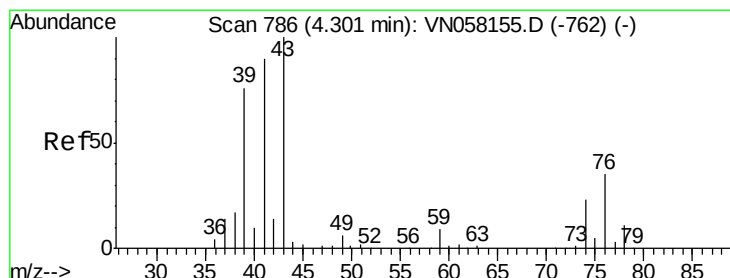
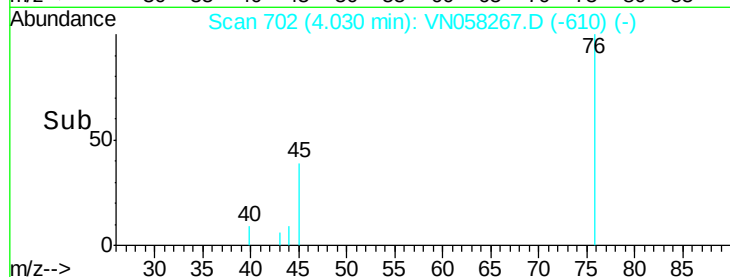
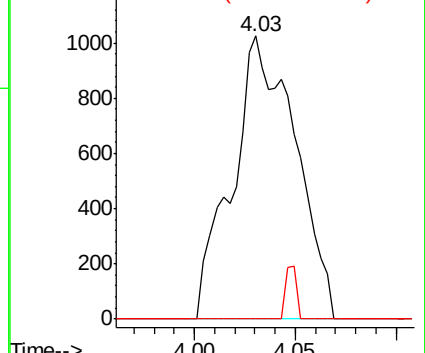
76 100

78 0.0 7.7 11.5#



Abundance Ion 75.90 (75.60 to 76.60): VNO

Ion 77.90 (77.60 to 78.60): VNO



#18

Methyl Acetate

Concen: 0.261 ug/l

RT: 4.30 min Scan# 787

Delta R.T. 0.00 min

Lab File: VN058267.D

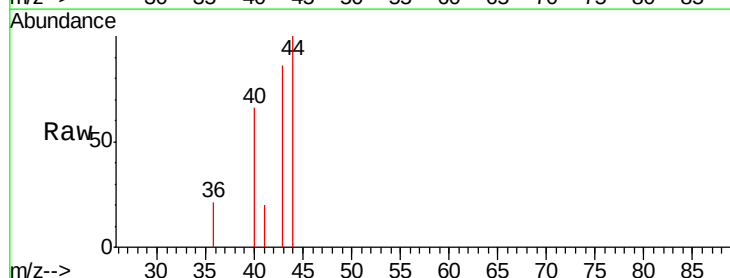
Acq: 20 Sep 2019 21:30

Tgt Ion: 43 Resp: 1540

Ion Ratio Lower Upper

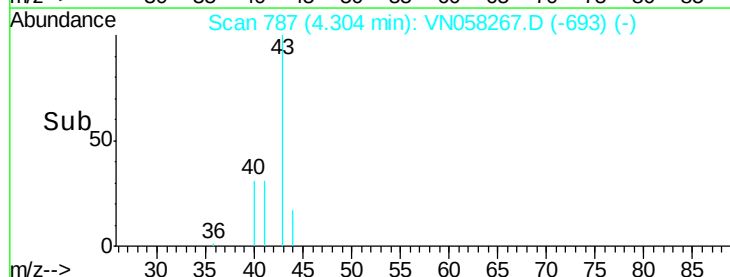
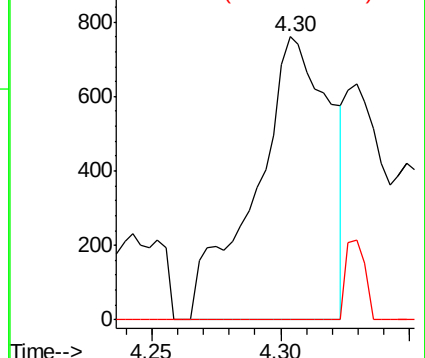
43 100

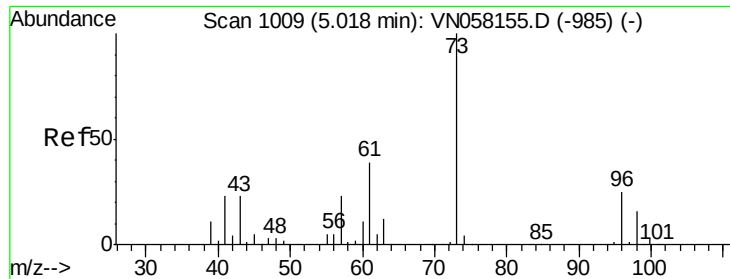
74 0.0 18.0 27.0#



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 74.00 (73.70 to 74.70): VNO





#21

trans-1,2-Dichloroethene

Concen: Below Cal

RT: 5.02 min Scan# 1009

Delta R.T. 0.00 min

Lab File: VN058267.D

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DUP05-20190917

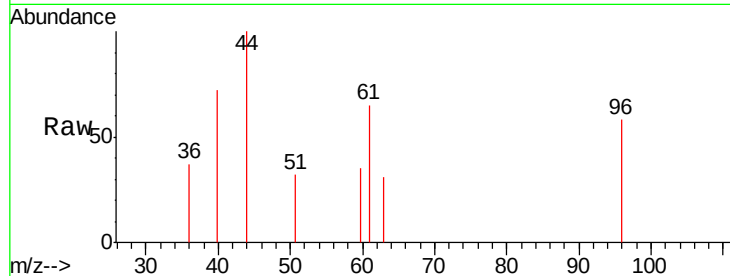
Tgt Ion: 96 Resp: 229

Ion Ratio Lower Upper

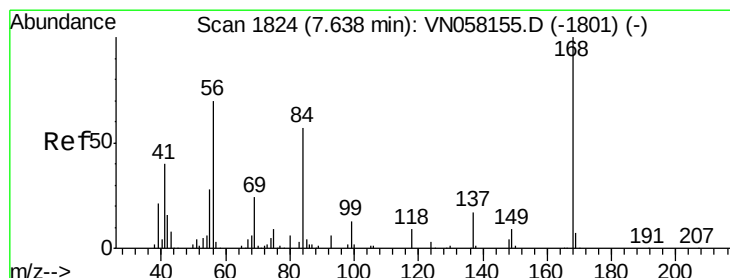
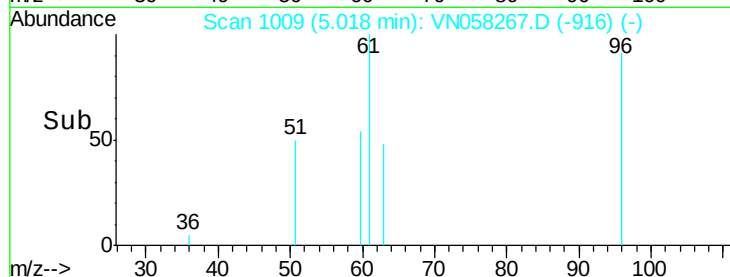
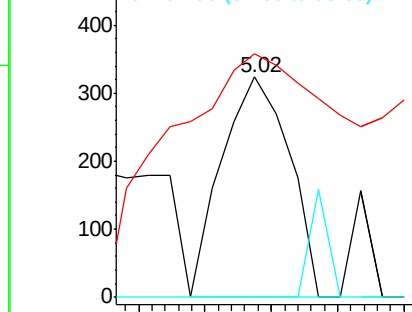
96 100

61 30.9 122.2 183.4#

98 0.0 49.9 74.9#



Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0



#31

Cyclohexane

Concen: Below Cal

RT: 7.65 min Scan# 1828

Delta R.T. 0.01 min

Lab File: VN058267.D

Acq: 20 Sep 2019 21:30

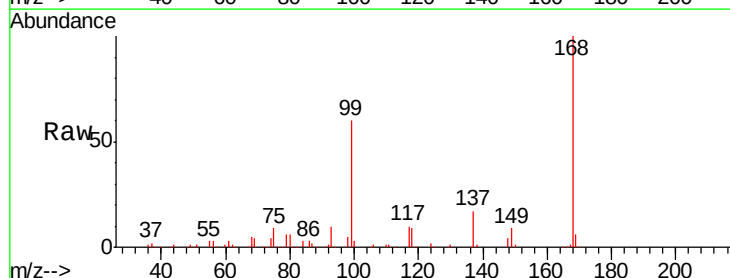
Tgt Ion: 56 Resp: 11464

Ion Ratio Lower Upper

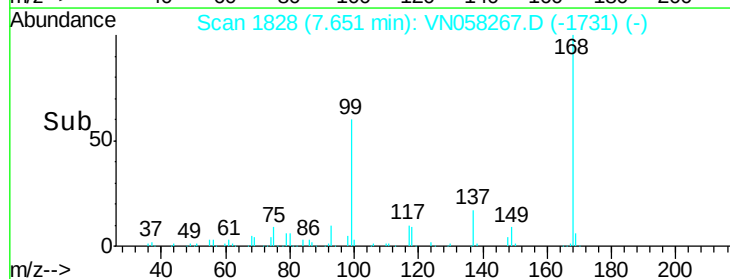
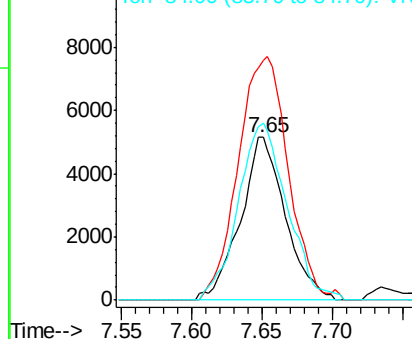
56 100

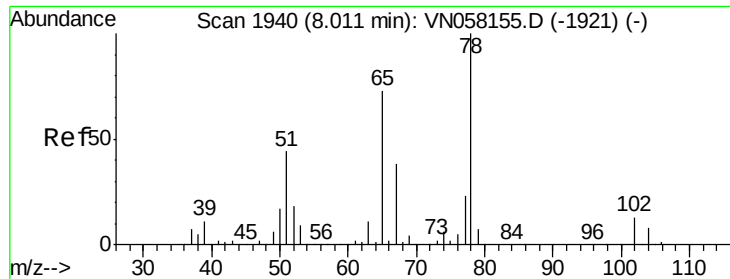
69 147.3 27.3 40.9#

84 108.5 65.0 97.4#



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

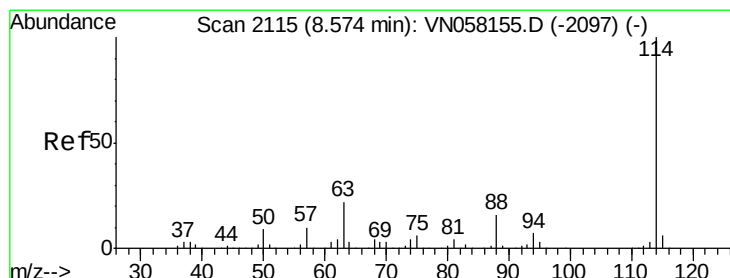
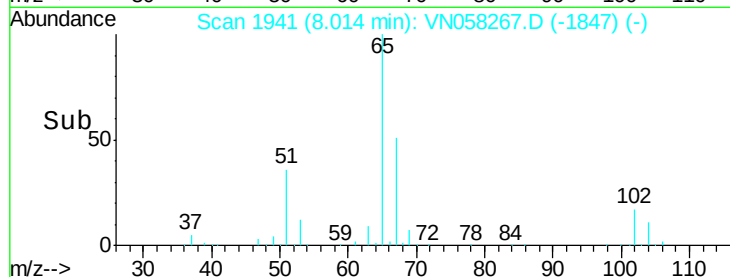
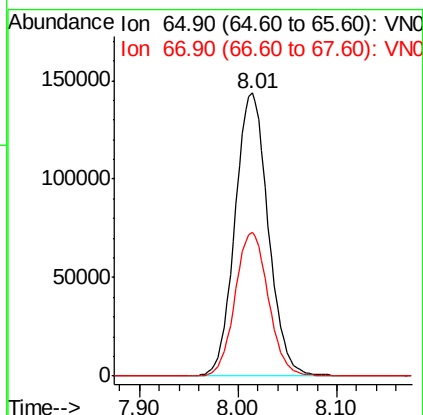
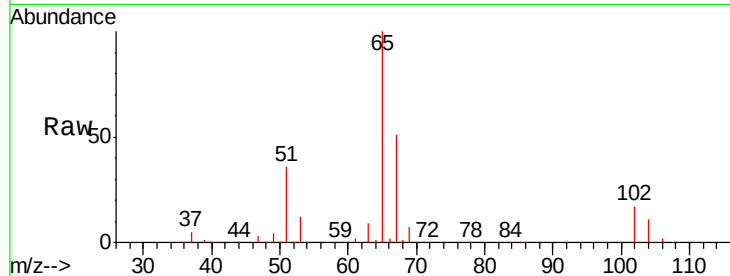




#33
 1,2-Dichloroethane-d4
 Concen: 50.792 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. 0.00 min
 Lab File: VN058267.D
 Acq: 20 Sep 2019 21:30

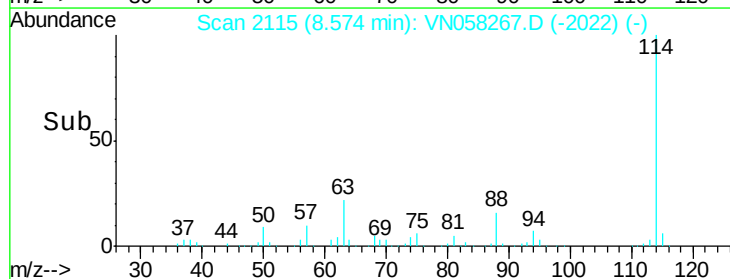
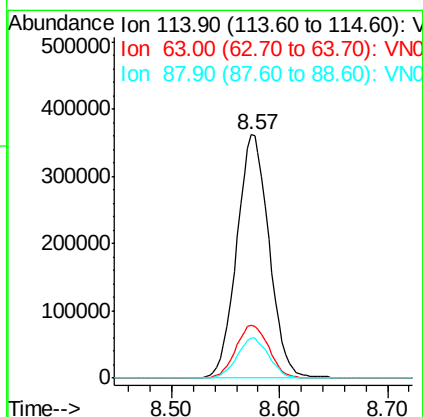
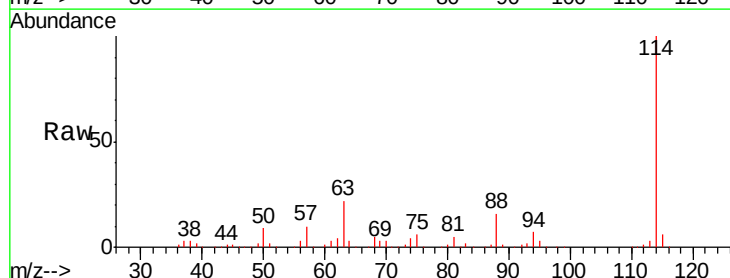
Instrument :
 MSVOA_N
 ClientSampleId :
 DUP05-20190917

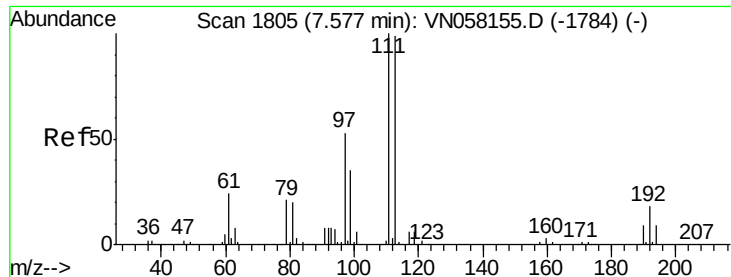
Tgt Ion: 65 Resp: 335936
 Ion Ratio Lower Upper
 65 100
 67 50.8 0.0 103.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. -0.00 min
 Lab File: VN058267.D
 Acq: 20 Sep 2019 21:30

Tgt Ion: 114 Resp: 754499
 Ion Ratio Lower Upper
 114 100
 63 21.7 0.0 44.2
 88 16.4 0.0 31.6

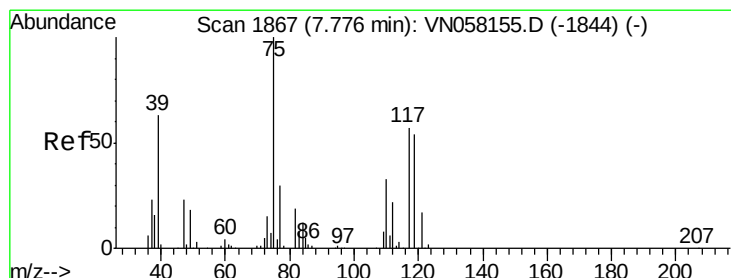
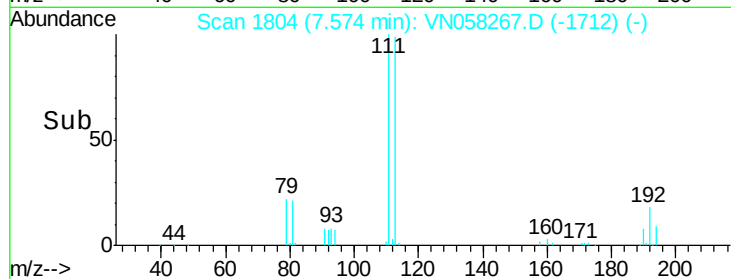
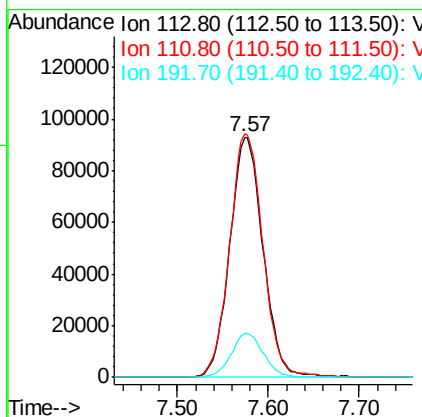
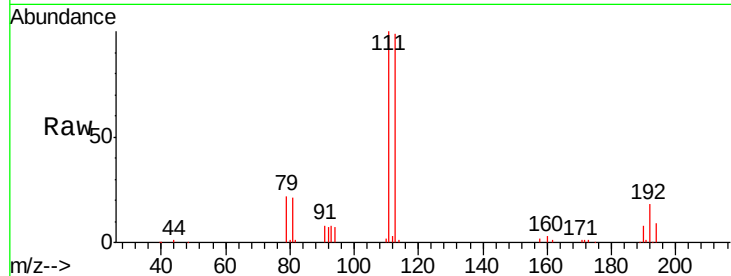




#35
 Dibromofluoromethane
 Concen: 51.271 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. -0.00 min
 Lab File: VN058267.D
 Acq: 20 Sep 2019 21:30

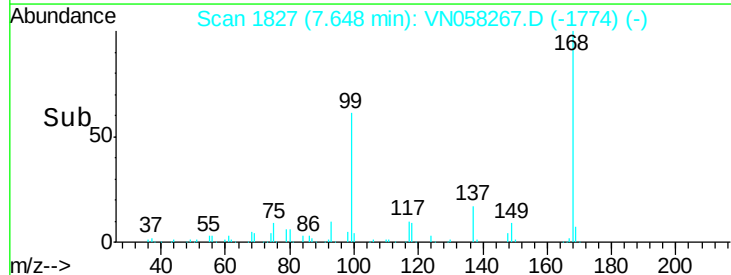
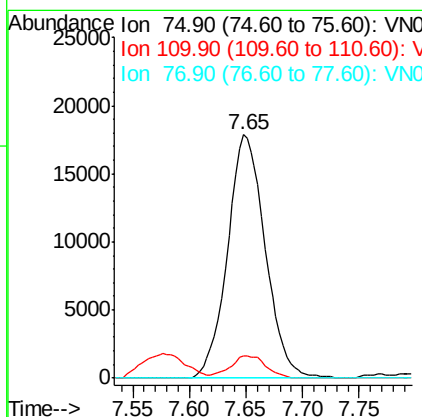
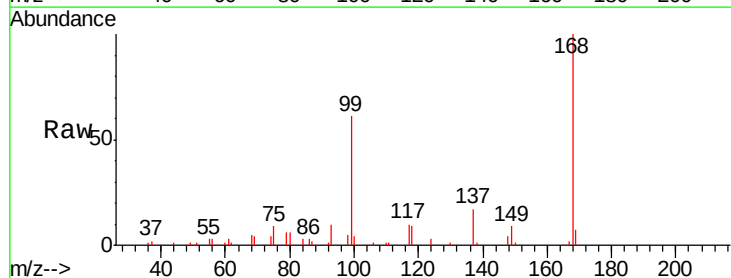
Instrument :
 MSVOA_N
 ClientSampleId :
 DUP05-20190917

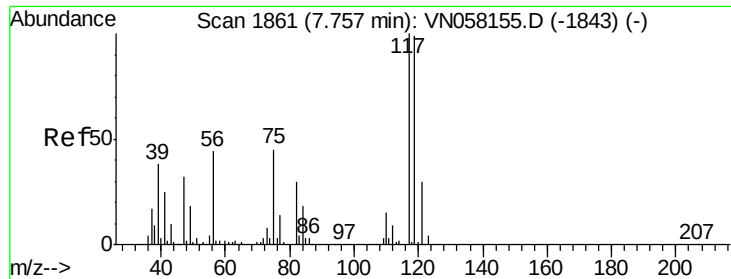
Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.3	81.8	122.6
192	17.9	14.5	21.7



#36
 1,1-Dichloropropene
 Concen: 7.598 ug/l
 RT: 7.65 min Scan# 1827
 Delta R.T. -0.13 min
 Lab File: VN058267.D
 Acq: 20 Sep 2019 21:30

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.7	16.6	49.7#
77	0.0	24.3	36.5#





#38

Carbon Tetrachloride

Concen: 8.854 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.11 min

Lab File: VN058267.D

Acq: 20 Sep 2019 21:30

Instrument :

MSVOA_N

ClientSampleId :

DUP05-20190917

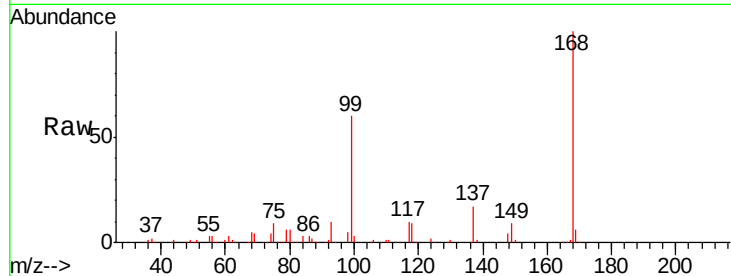
Tgt Ion:117 Resp: 48429

Ion Ratio Lower Upper

117 100

119 4.1 78.6 117.8#

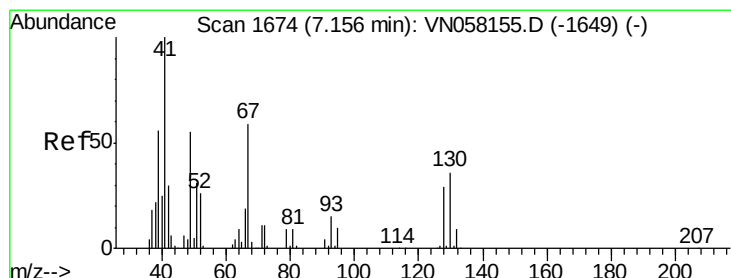
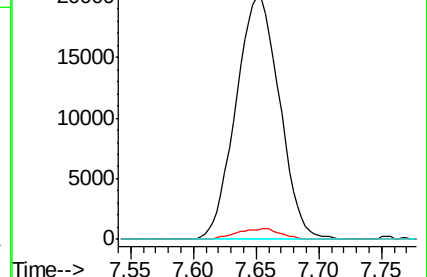
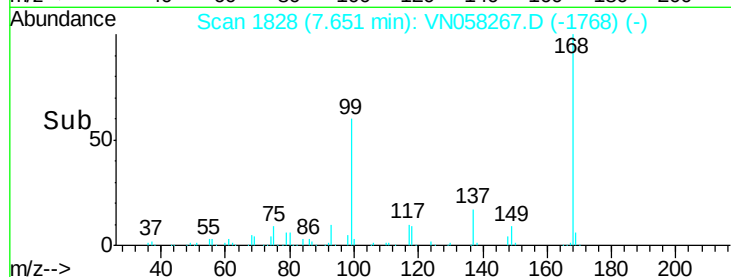
121 0.0 24.1 36.1#



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



#41

Methacrylonitrile

Concen: 0.958 ug/l

RT: 7.16 min Scan# 1676

Delta R.T. 0.01 min

Lab File: VN058267.D

Acq: 20 Sep 2019 21:30

Tgt Ion: 41 Resp: 137

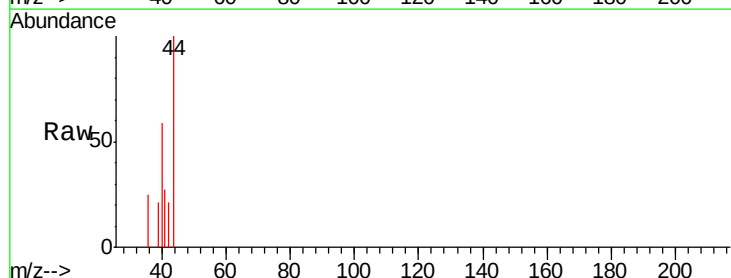
Ion Ratio Lower Upper

41 100

39 119.0 0.0 0.0#

67 0.0 0.0 0.0

52 0.0 0.0 0.0

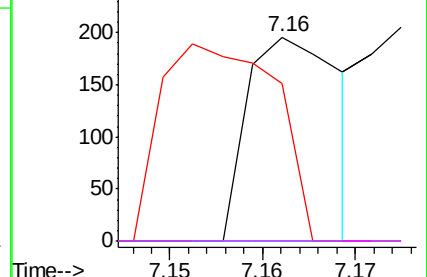
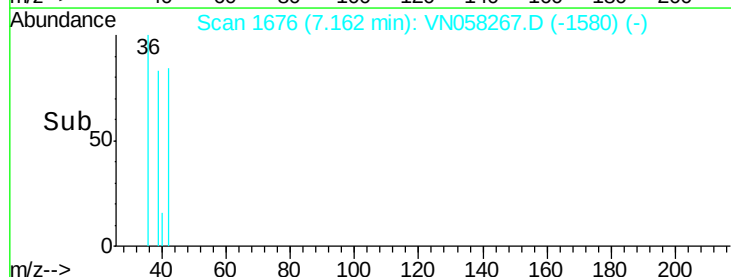


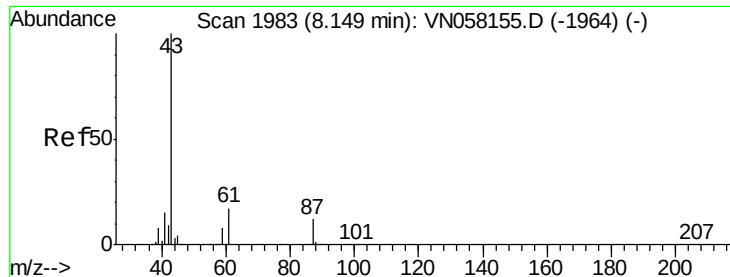
Abundance Ion 41.00 (40.70 to 41.70): VNC

Ion 39.00 (38.70 to 39.70): VNC

Ion 67.00 (66.70 to 67.70): VNC

Ion 52.00 (51.70 to 52.70): VNC





#43

Isopropyl Acetate

Concen: 1.543 ug/l

RT: 8.28 min Scan# 2024

Delta R.T. 0.13 min

Lab File: VN058267.D

Acq: 20 Sep 2019 21:30

Instrument :

MSVOA_N

ClientSampleId :

DUP05-20190917

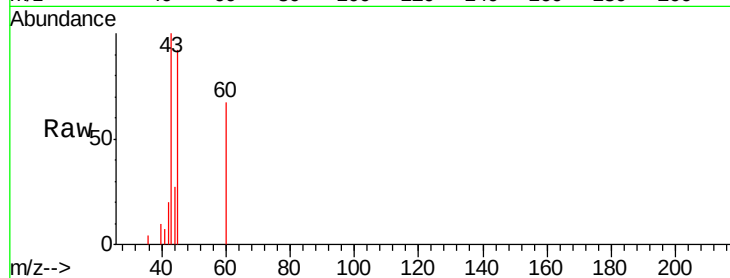
Tgt Ion: 43 Resp: 16267

Ion Ratio Lower Upper

43 100

61 0.0 19.7 29.5#

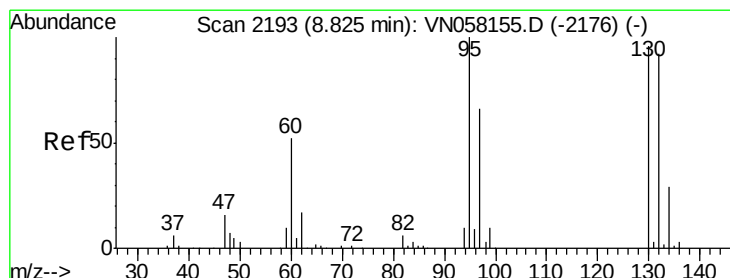
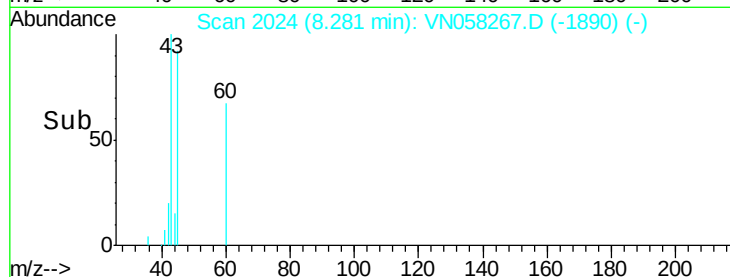
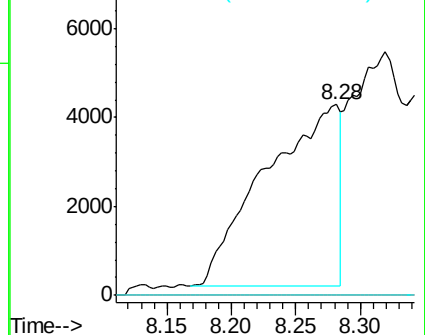
87 0.0 9.4 14.2#



Abundance Ion 43.00 (42.70 to 43.70): VN058155.D (-1964) (-)

Ion 61.00 (60.70 to 61.70): VN058155.D (-1964) (-)

Ion 87.00 (86.70 to 87.70): VN058155.D (-1964) (-)



#44

Trichloroethene

Concen: 0.825 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. 0.01 min

Lab File: VN058267.D

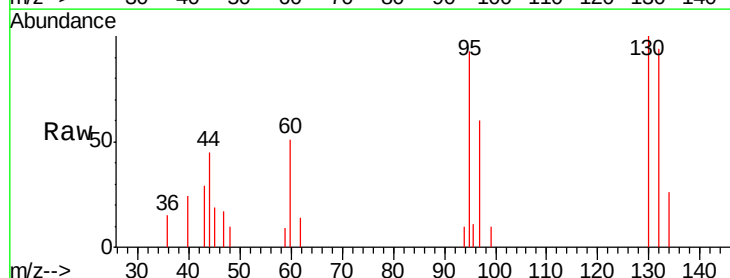
Acq: 20 Sep 2019 21:30

Tgt Ion: 130 Resp: 3356

Ion Ratio Lower Upper

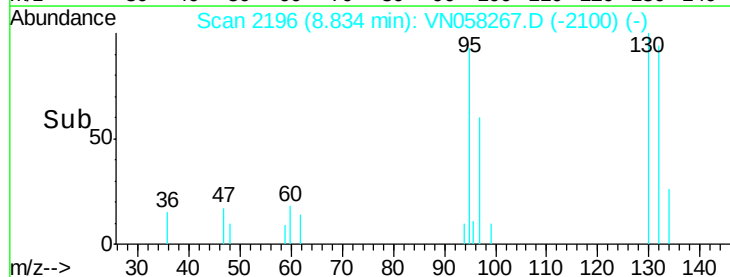
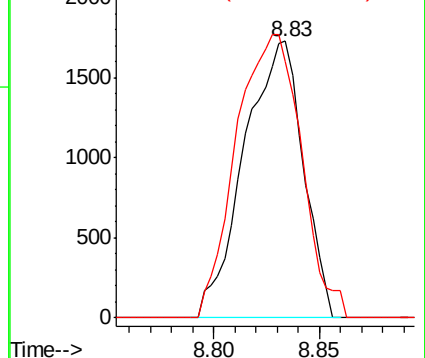
130 100

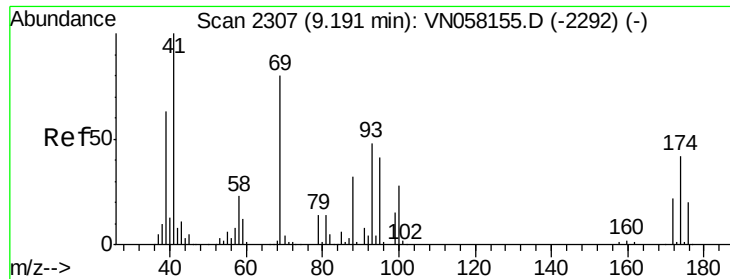
95 92.8 0.0 207.8



Abundance Ion 129.80 (129.50 to 130.50): VN058155.D (-2176) (-)

Ion 94.90 (94.60 to 95.60): VN058155.D (-2176) (-)

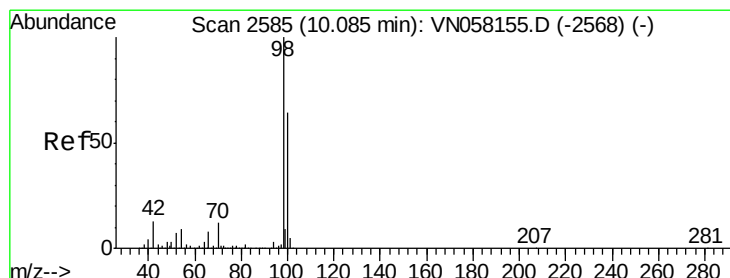
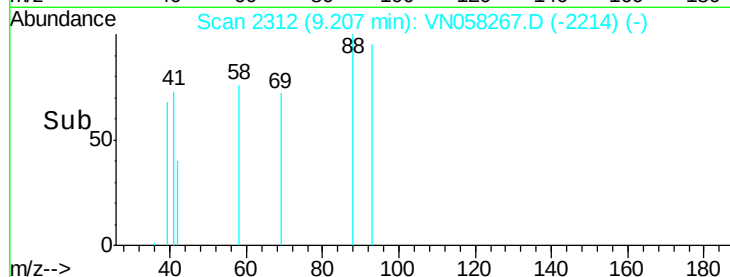
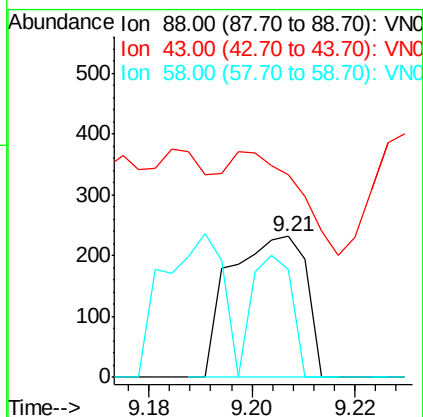
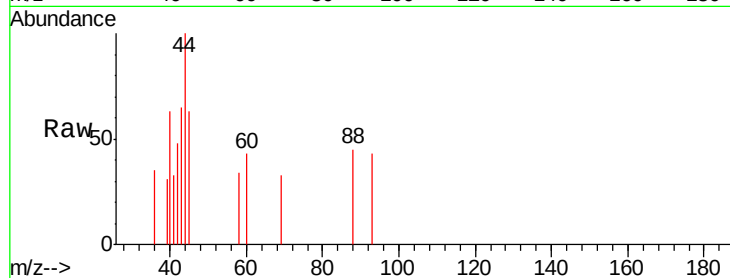




#49
1,4-Dioxane
Concen: 2.989 ug/l
RT: 9.21 min Scan# 2312
Delta R.T. 0.02 min
Lab File: VN058267.D
Acq: 20 Sep 2019 21:30

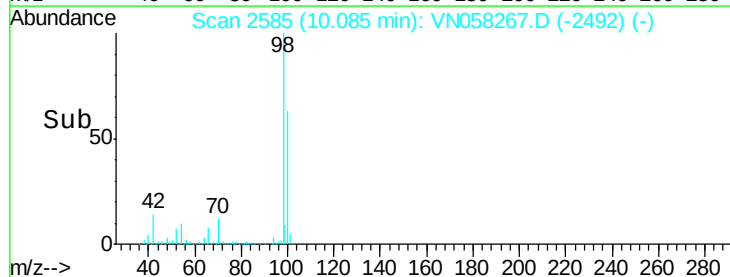
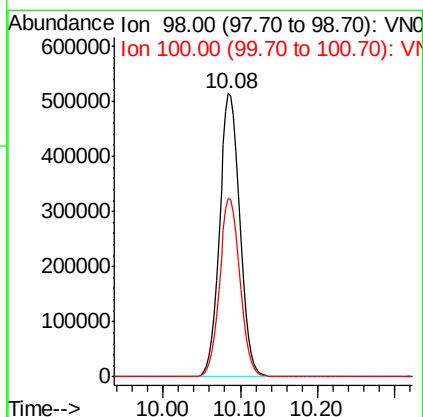
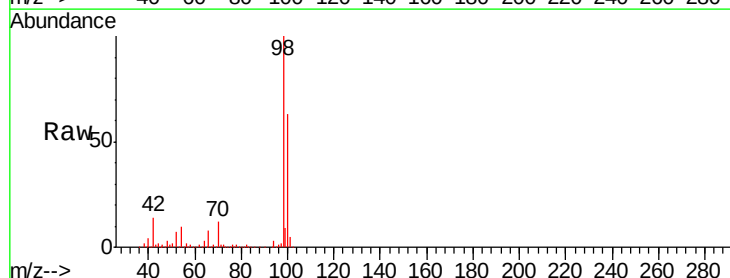
Instrument :
MSVOA_N
ClientSampleId :
DUP05-20190917

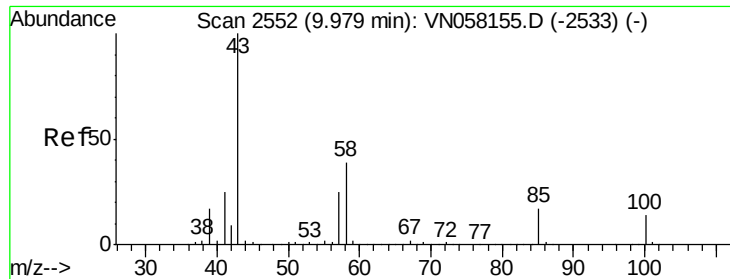
Tgt Ion: 88 Resp: 235
Ion Ratio Lower Upper
88 100
43 0.0 27.8 41.8#
58 45.5 55.0 82.4#



#50
Toluene-d8
Concen: 52.962 ug/l
RT: 10.08 min Scan# 2585
Delta R.T. -0.00 min
Lab File: VN058267.D
Acq: 20 Sep 2019 21:30

Tgt Ion: 98 Resp: 946484
Ion Ratio Lower Upper
98 100
100 63.3 51.1 76.7





#51

4-Methyl-2-Pentanone

Concen: 0.843 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. -0.00 min

Lab File: VN058267.D

Acq: 20 Sep 2019 21:30

Instrument :

MSVOA_N

ClientSampleId :

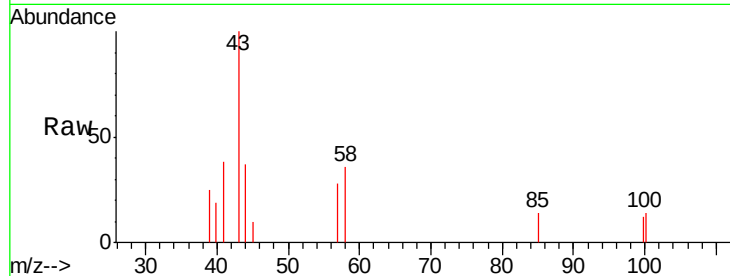
DUP05-20190917

Tgt Ion: 43 Resp: 4721

Ion Ratio Lower Upper

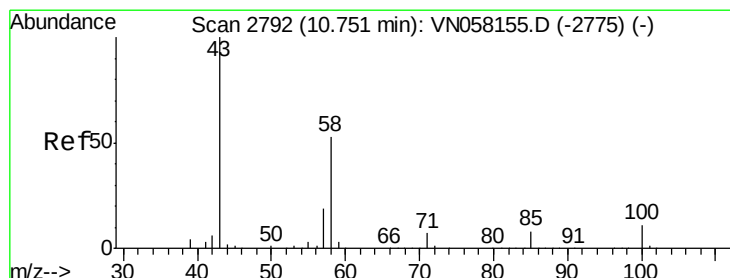
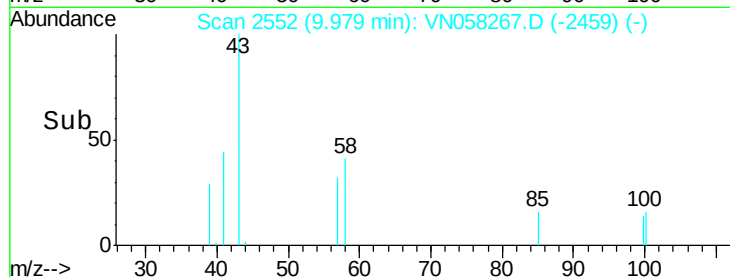
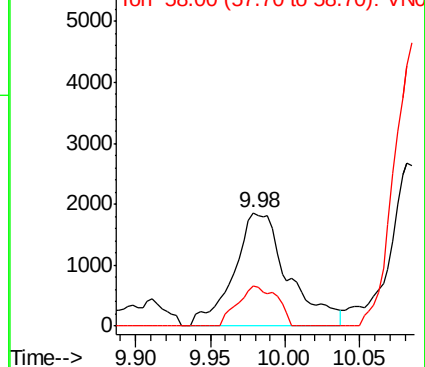
43 100

58 25.7 30.2 45.4#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#59

2-Hexanone

Concen: 1.139 ug/l

RT: 10.76 min Scan# 2794

Delta R.T. 0.01 min

Lab File: VN058267.D

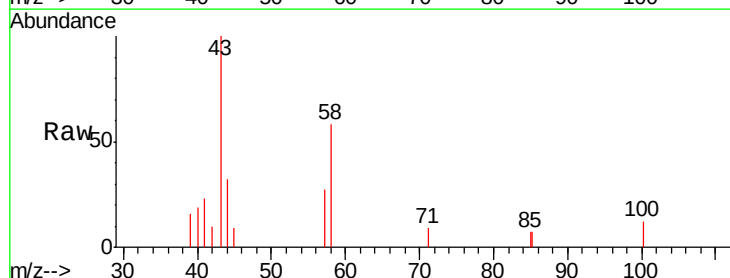
Acq: 20 Sep 2019 21:30

Tgt Ion: 43 Resp: 4739

Ion Ratio Lower Upper

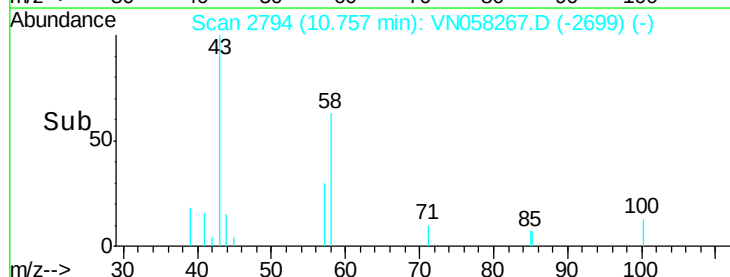
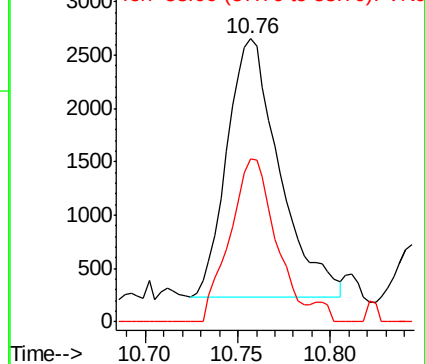
43 100

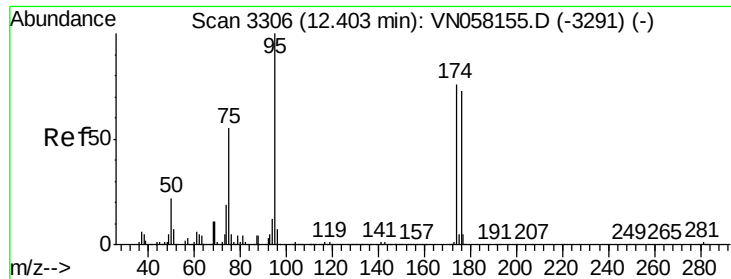
58 55.2 26.0 78.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#62

4-Bromofluorobenzene

Concen: 44.876 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.00 min

Lab File: VN058267.D

Acq: 20 Sep 2019 21:30

Instrument :

MSVOA_N

ClientSampleId :

DUP05-20190917

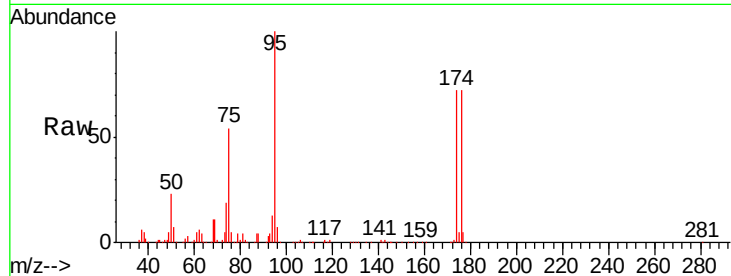
Tgt Ion: 95 Resp: 297905

Ion Ratio Lower Upper

95 100

174 73.4 0.0 152.2

176 72.3 0.0 148.0

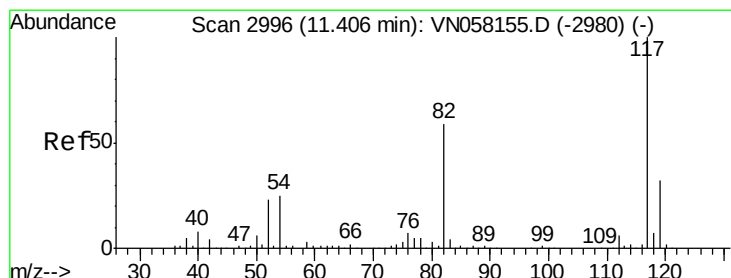
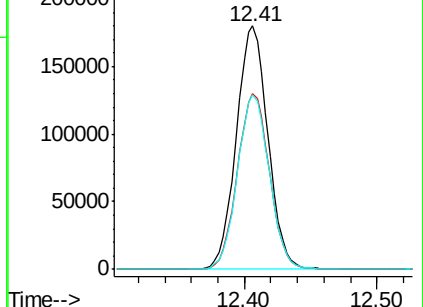
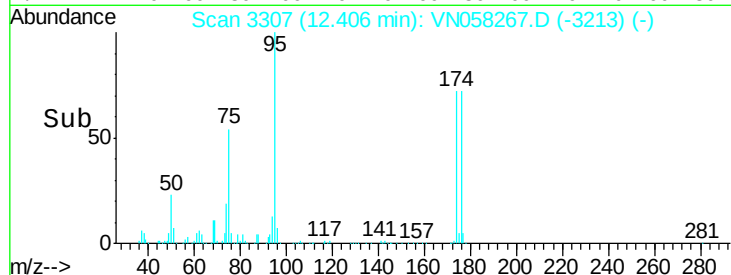


Abundance Ion 94.90 (94.60 to 95.60): VN058155.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN058155.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN058155.D (-3291) (-)

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2997

Delta R.T. 0.00 min

Lab File: VN058267.D

Acq: 20 Sep 2019 21:30

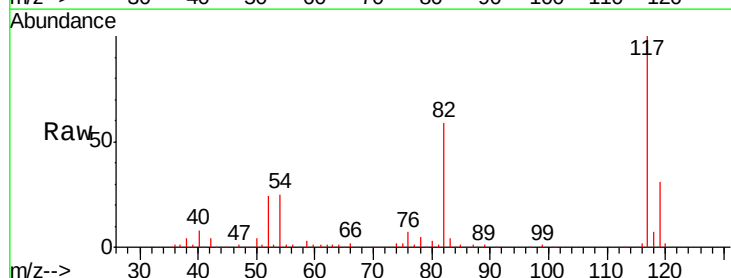
Tgt Ion: 117 Resp: 638340

Ion Ratio Lower Upper

117 100

82 59.5 46.9 70.3

119 31.0 25.3 37.9

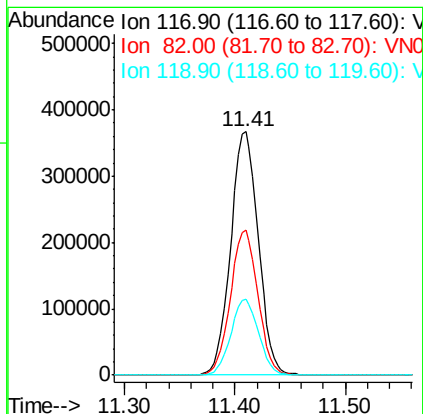
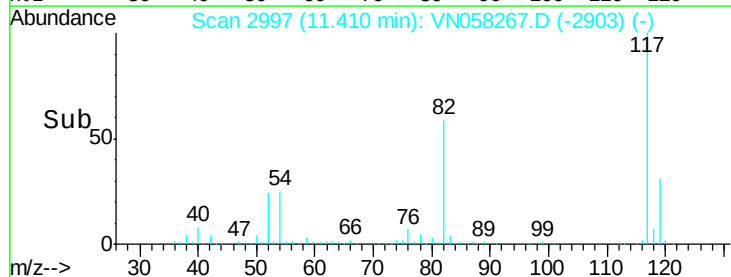


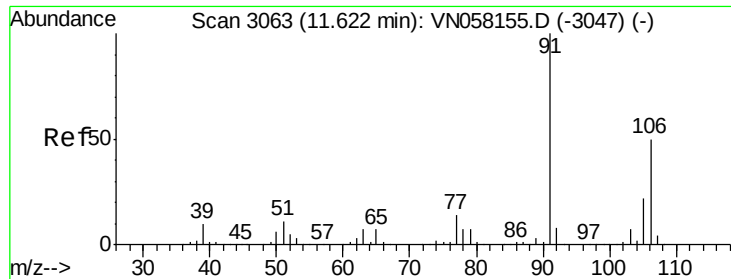
Abundance Ion 116.90 (116.60 to 117.60): VN058155.D (-2980) (-)

Ion 82.00 (81.70 to 82.70): VN058155.D (-2980) (-)

Ion 118.90 (118.60 to 119.60): VN058155.D (-2980) (-)

Time-->

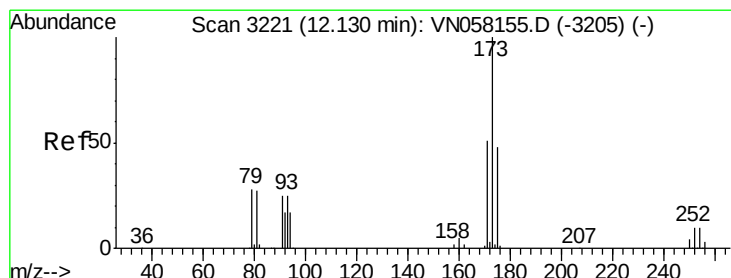
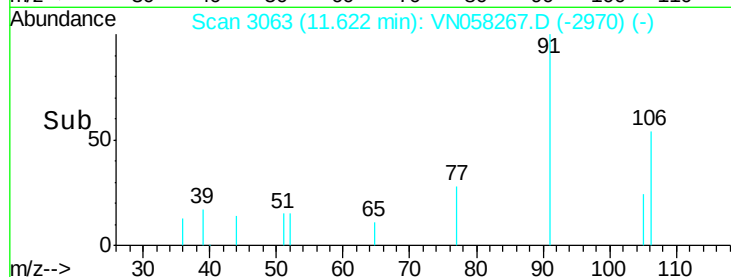
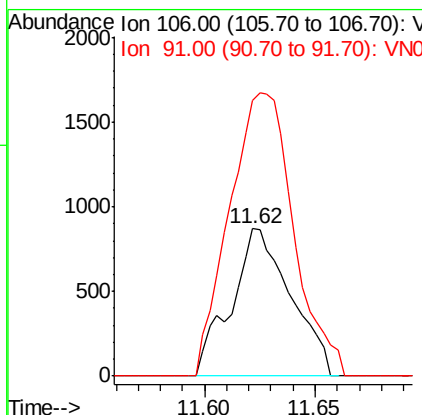
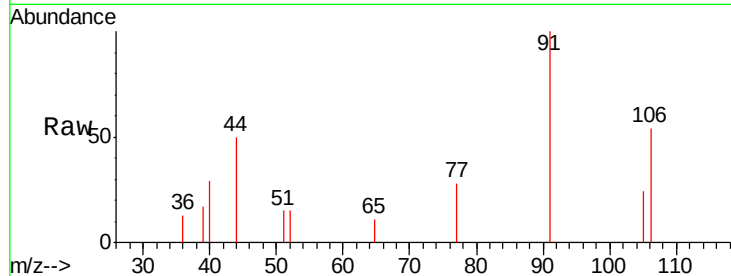




#68
m/p-Xylenes
Concen: 0.226 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN058267.D
Acq: 20 Sep 2019 21:30

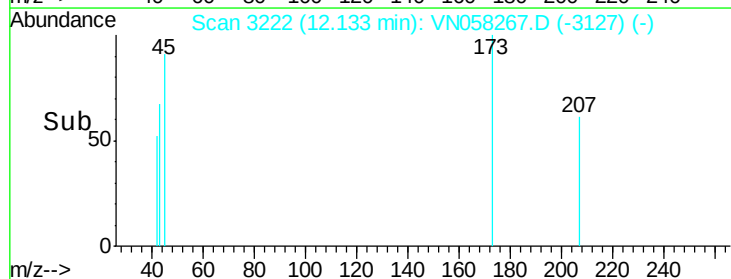
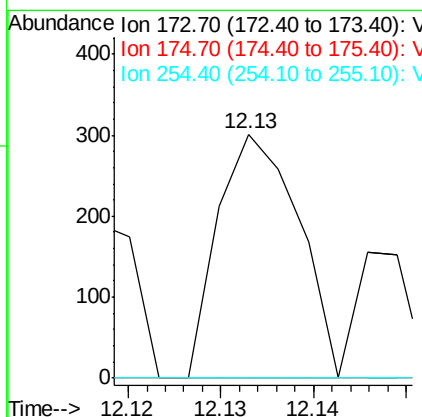
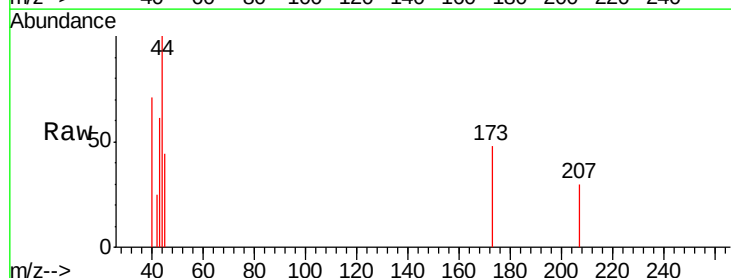
Instrument :
MSVOA_N
ClientSampleId :
DUP05-20190917

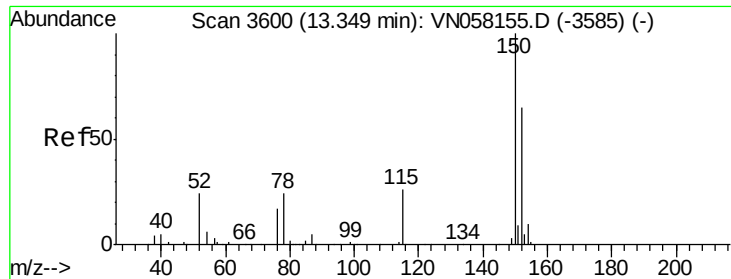
Tgt Ion:106 Resp: 1637
Ion Ratio Lower Upper
106 100
91 205.9 163.6 245.4



#71
Bromoform
Concen: 3.651 ug/l
RT: 12.13 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN058267.D
Acq: 20 Sep 2019 21:30

Tgt Ion:173 Resp: 181
Ion Ratio Lower Upper
173 100
175 0.0 24.2 72.6#
254 0.0 0.1 0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3600

Delta R.T. -0.00 min

Lab File: VN058267.D

Acq: 20 Sep 2019 21:30

Instrument :

MSVOA_N

ClientSampleId :

DUP05-20190917

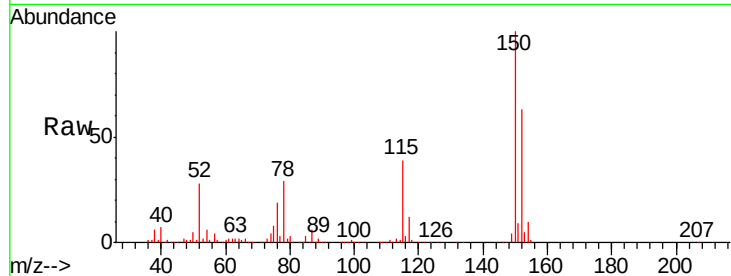
Tgt Ion:152 Resp: 253487

Ion Ratio Lower Upper

152 100

115 61.2 30.1 90.3

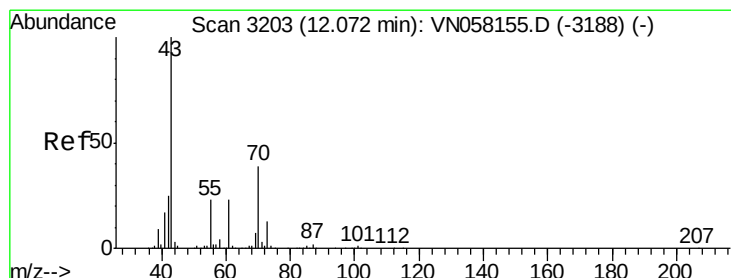
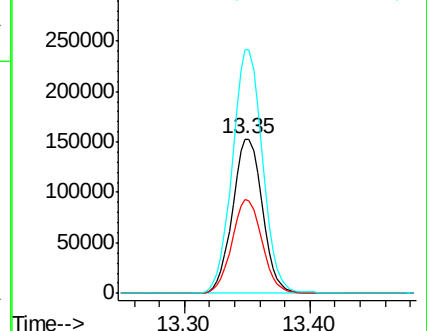
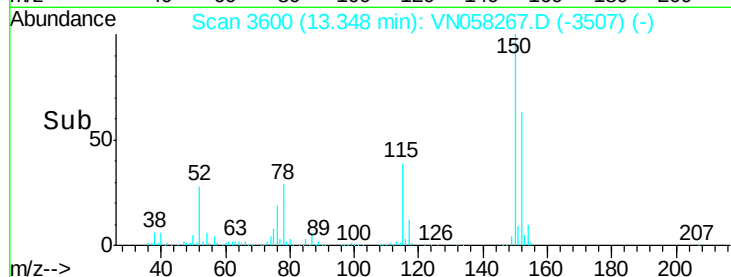
150 158.8 0.0 346.4



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



#74

N-ethyl acetate

Concen: 0.327 ug/l

RT: 12.08 min Scan# 3205

Delta R.T. 0.01 min

Lab File: VN058267.D

Acq: 20 Sep 2019 21:30

Tgt Ion: 43 Resp: 2173

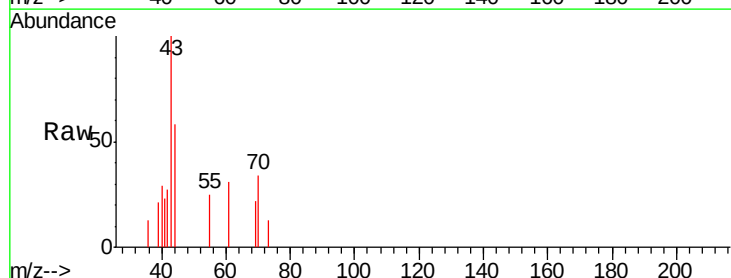
Ion Ratio Lower Upper

43 100

70 39.6 31.0 46.6

55 26.8 18.5 27.7

61 21.8 18.2 27.2

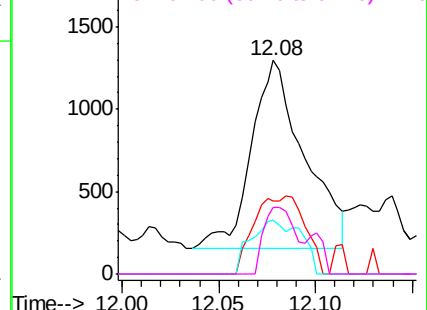
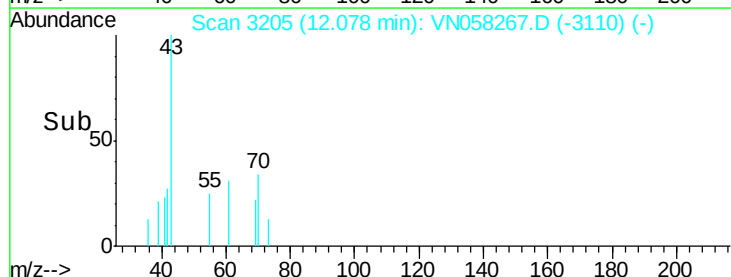


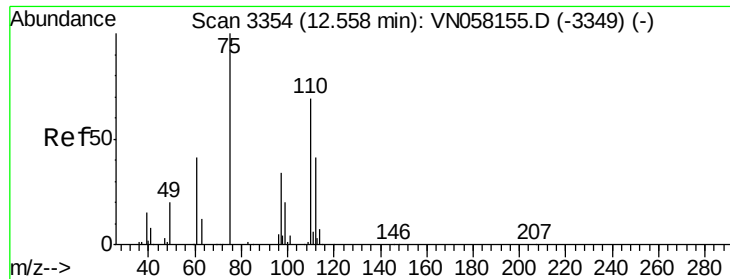
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#76

1,2,3-Trichloropropane

Concen: 36.096 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. -0.15 min

Lab File: VN058267.D

Acq: 20 Sep 2019 21:30

Instrument :

MSVOA_N

ClientSampleId :

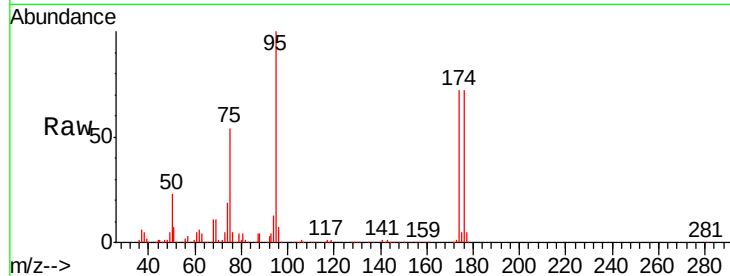
DUP05-20190917

Tgt Ion: 75 Resp: 163756

Ion Ratio Lower Upper

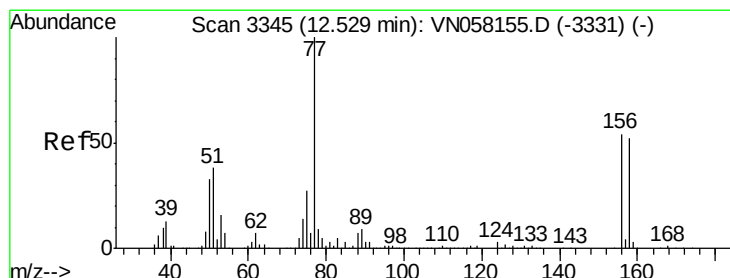
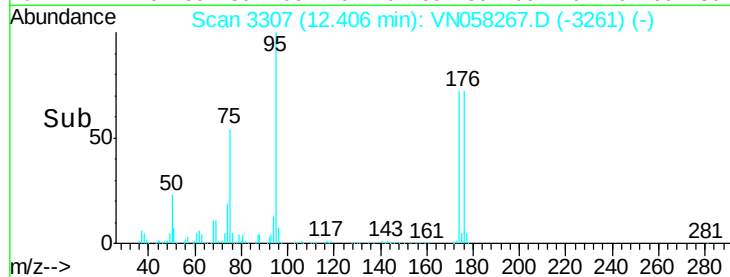
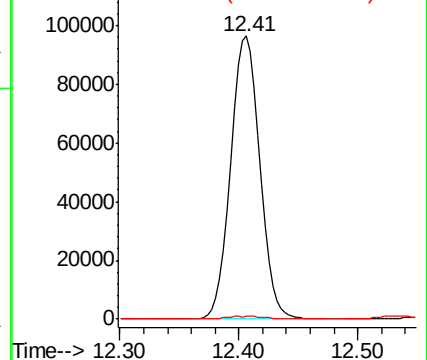
75 100

77 0.6 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#77

Bromobenzene

Concen: 0.232 ug/l

RT: 12.53 min Scan# 3346

Delta R.T. 0.00 min

Lab File: VN058267.D

Acq: 20 Sep 2019 21:30

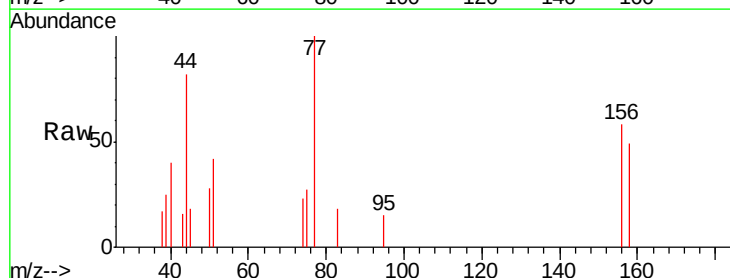
Tgt Ion: 156 Resp: 926

Ion Ratio Lower Upper

156 100

77 232.2 111.7 335.1

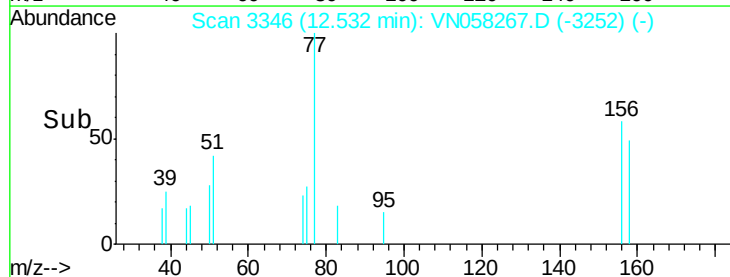
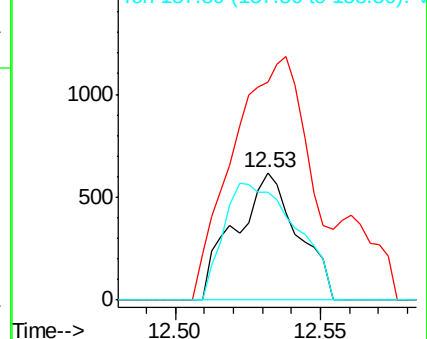
158 106.7 47.9 143.8

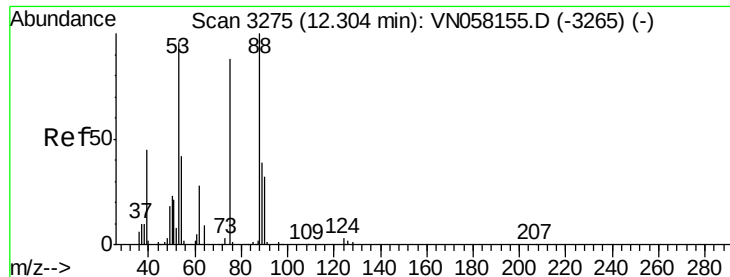


Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V





#81

trans-1,4-Dichloro-2-butene

Concen: 100.793 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.10 min

Lab File: VN058267.D

Acq: 20 Sep 2019 21:30

Instrument :

MSVOA_N

ClientSampleId :

DUP05-20190917

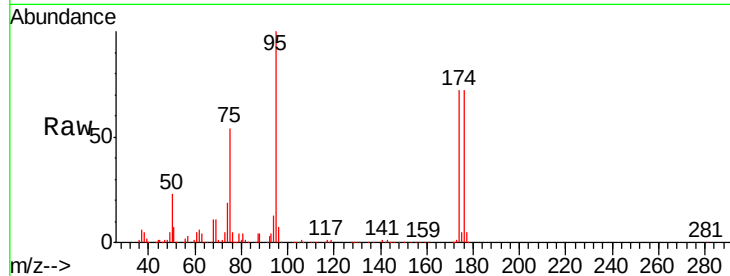
Tgt Ion: 75 Resp: 163756

Ion Ratio Lower Upper

75 100

53 0.0 90.1 135.1#

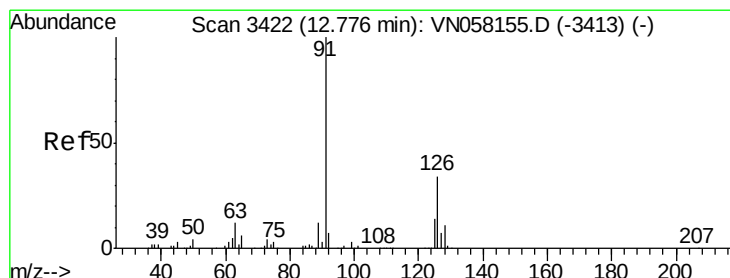
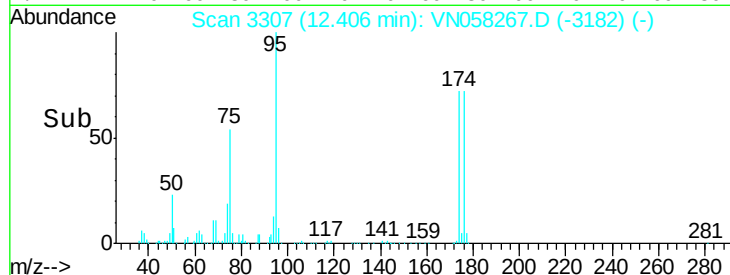
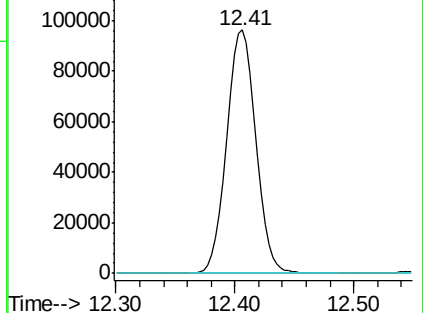
89 0.0 36.2 54.2#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 0.301 ug/l

RT: 12.78 min Scan# 3423

Delta R.T. 0.00 min

Lab File: VN058267.D

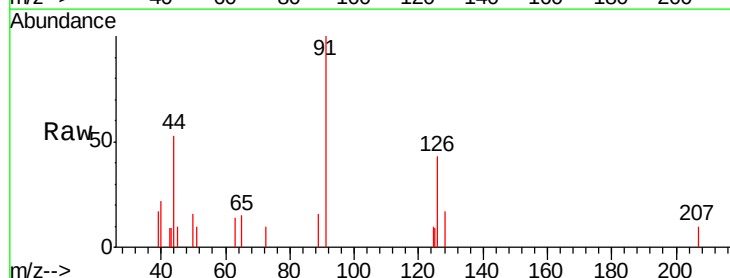
Acq: 20 Sep 2019 21:30

Tgt Ion: 91 Resp: 3566

Ion Ratio Lower Upper

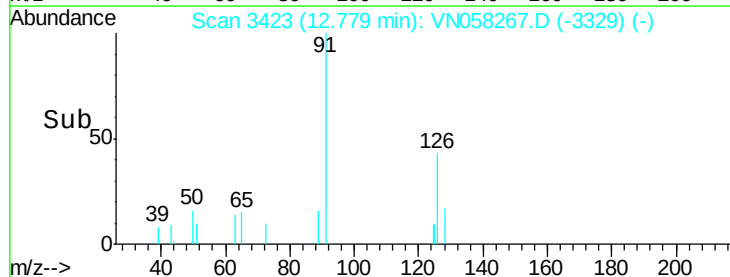
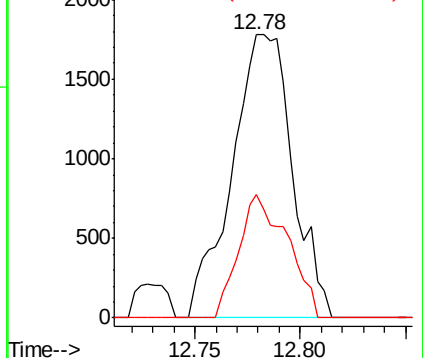
91 100

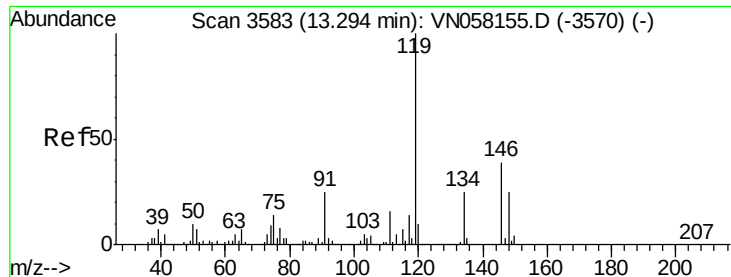
126 34.9 15.7 47.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

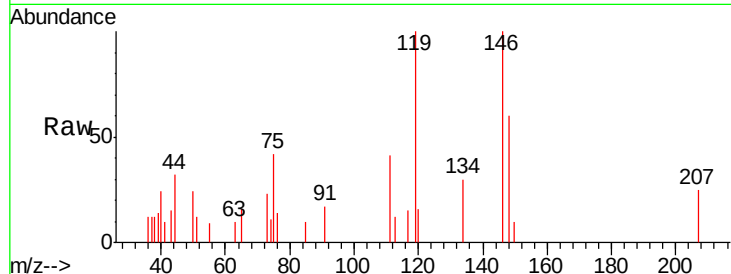




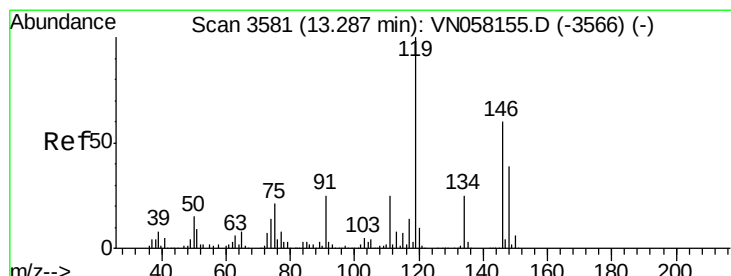
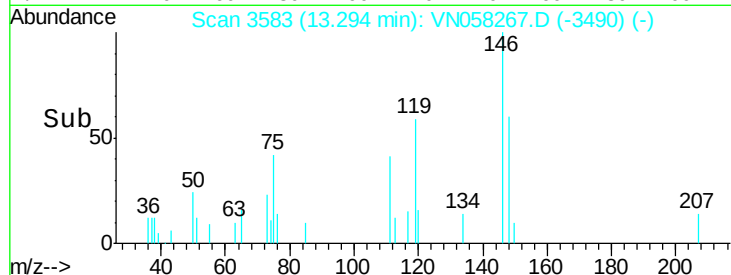
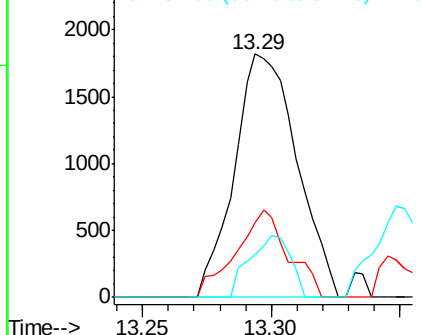
#86
p-Isopropyltoluene
Concen: 0.221 ug/l
RT: 13.29 min Scan# 3583
Delta R.T. -0.00 min
Lab File: VN058267.D
Acq: 20 Sep 2019 21:30

Instrument :
MSVOA_N
ClientSampleId :
DUP05-20190917

Tgt Ion:119 Resp: 3070
Ion Ratio Lower Upper
119 100
134 30.0 12.7 38.0
91 16.7 12.3 36.8

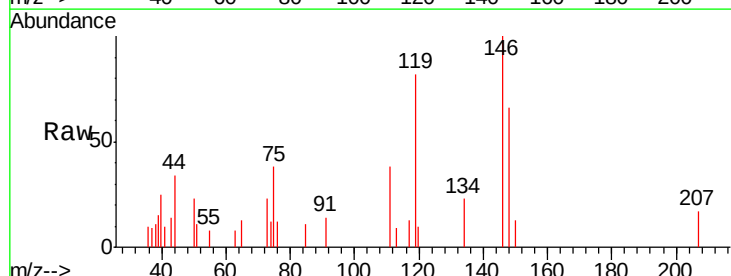


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 134.00 (133.70 to 134.70): V
Ion 91.00 (90.70 to 91.70): V

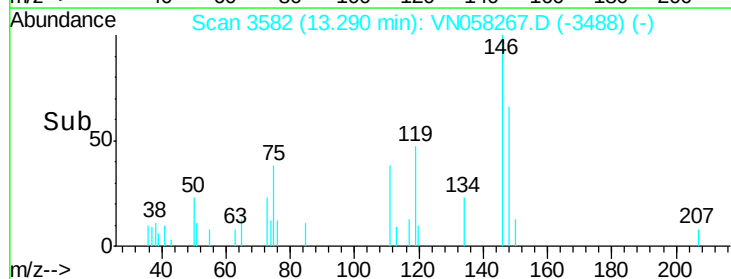
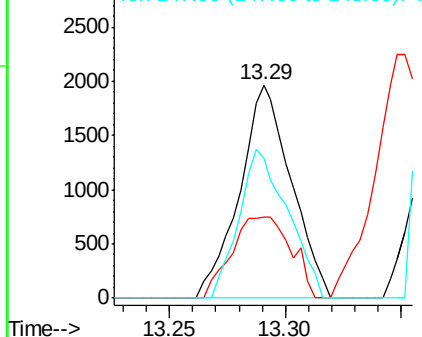


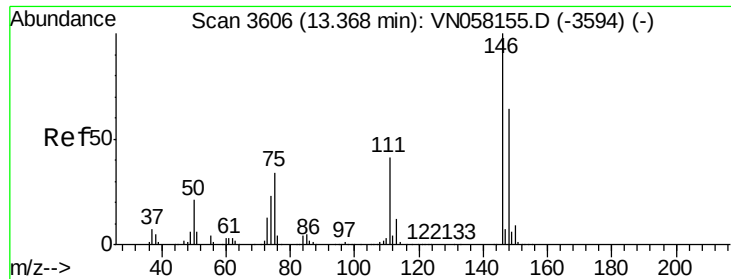
#87
1,3-Dichlorobenzene
Concen: 0.418 ug/l
RT: 13.29 min Scan# 3582
Delta R.T. 0.00 min
Lab File: VN058267.D
Acq: 20 Sep 2019 21:30

Tgt Ion:146 Resp: 3045
Ion Ratio Lower Upper
146 100
111 44.0 20.9 62.8
148 66.0 32.0 96.2



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V





#88

1,4-Dichlorobenzene

Concen: 0.409 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. -0.08 min

Lab File: VN058267.D

Acq: 20 Sep 2019 21:30

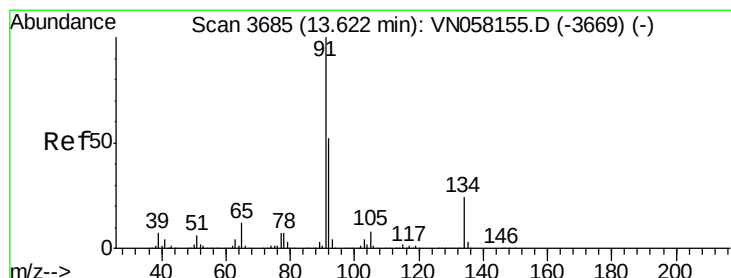
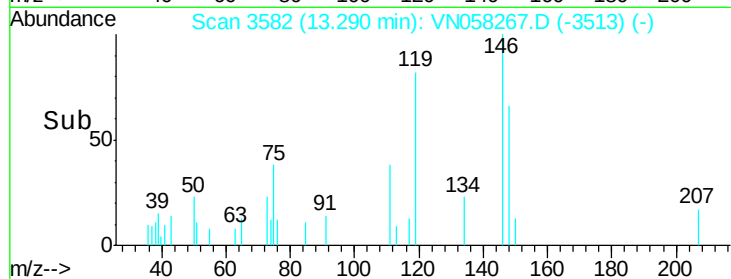
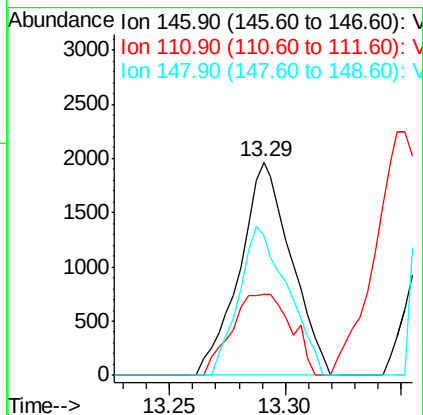
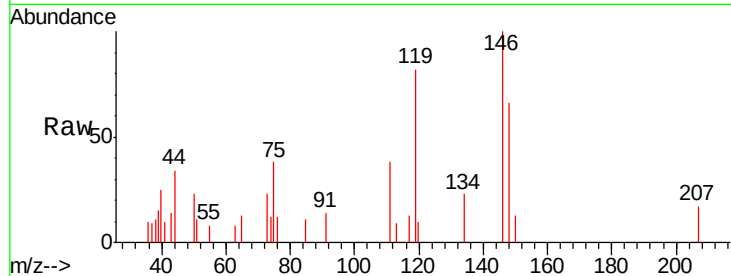
Instrument :

MSVOA_N

ClientSampleId :

DUP05-20190917

Tgt Ion:	146	Resp:	3045
Ion	Ratio	Lower	Upper
146	100		
111	44.0	20.5	61.5
148	66.0	31.9	95.5



#89

n-Butylbenzene

Concen: 0.476 ug/l

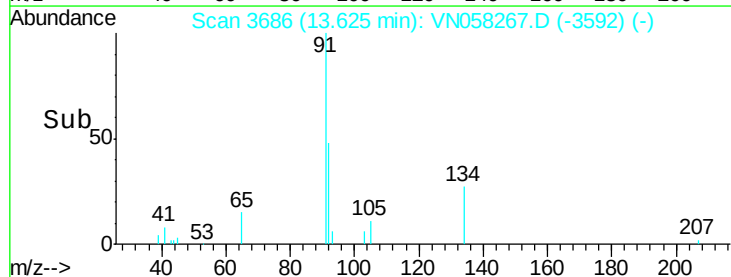
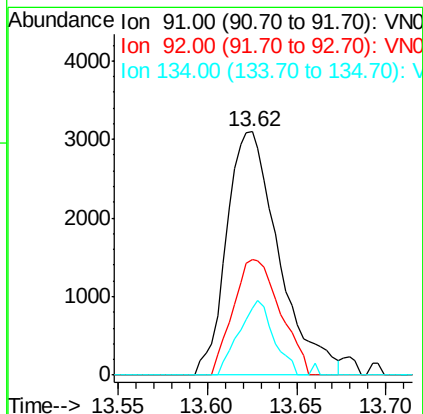
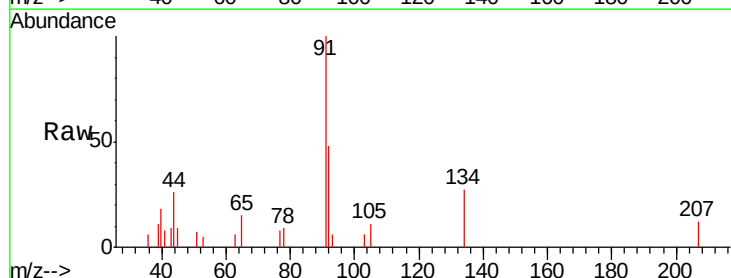
RT: 13.62 min Scan# 3686

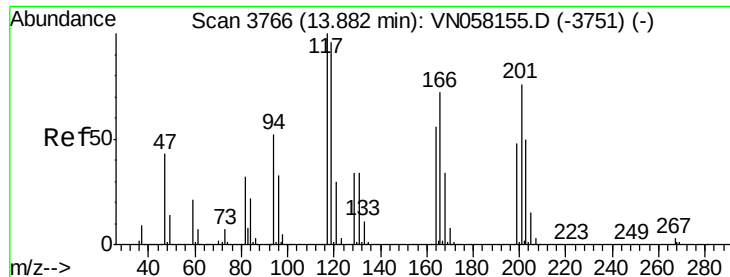
Delta R.T. 0.00 min

Lab File: VN058267.D

Acq: 20 Sep 2019 21:30

Tgt Ion:	91	Resp:	6280
Ion	Ratio	Lower	Upper
91	100		
92	43.0	25.7	77.0
134	20.4	11.8	35.4





#90

Hexachloroethane

Concen: 2.859 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. -0.01 min

Lab File: VN058267.D

Acq: 20 Sep 2019 21:30

Instrument :

MSVOA_N

ClientSampleId :

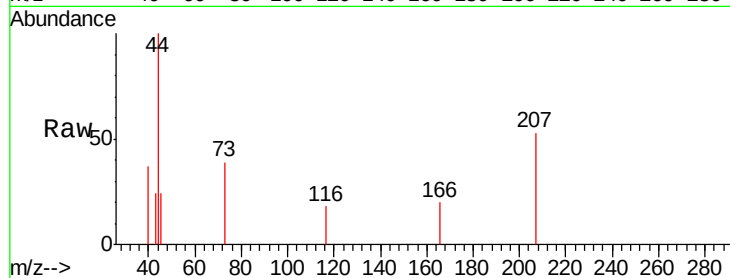
DUP05-20190917

Tgt Ion:117 Resp: 94

Ion Ratio Lower Upper

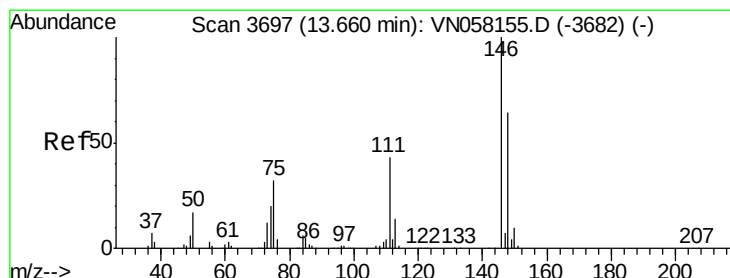
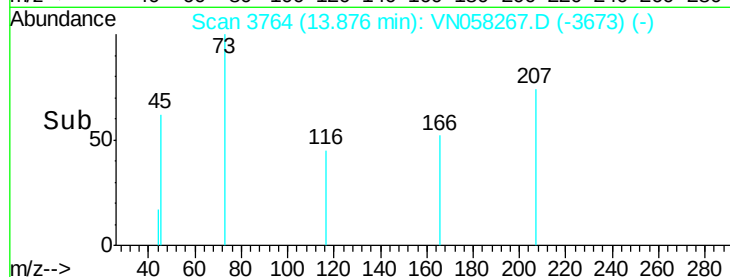
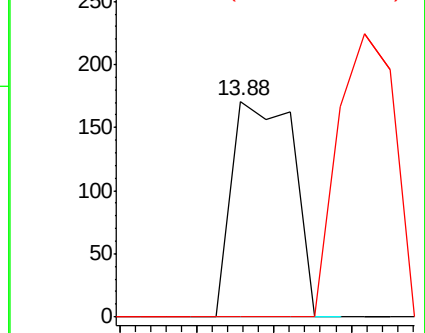
117 100

201 120.2 37.5 112.5#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#91

1,2-Dichlorobenzene

Concen: 0.420 ug/l

RT: 13.66 min Scan# 3698

Delta R.T. 0.00 min

Lab File: VN058267.D

Acq: 20 Sep 2019 21:30

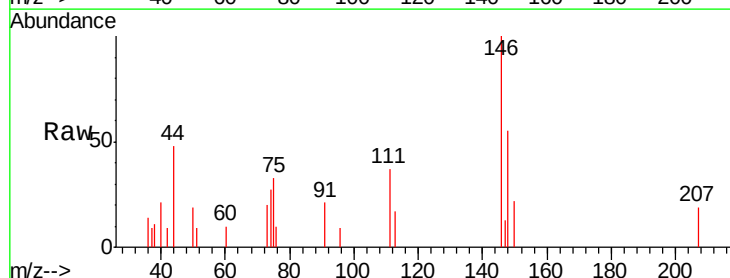
Tgt Ion:146 Resp: 3073

Ion Ratio Lower Upper

146 100

111 35.5 21.1 63.1

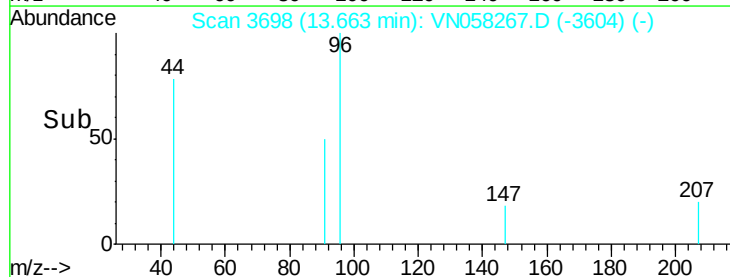
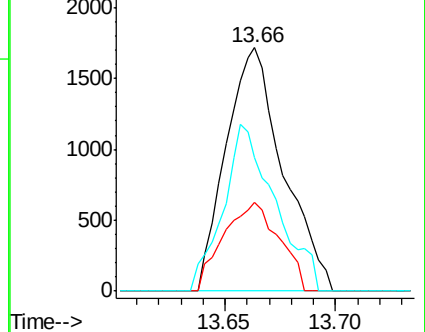
148 62.4 31.8 95.4

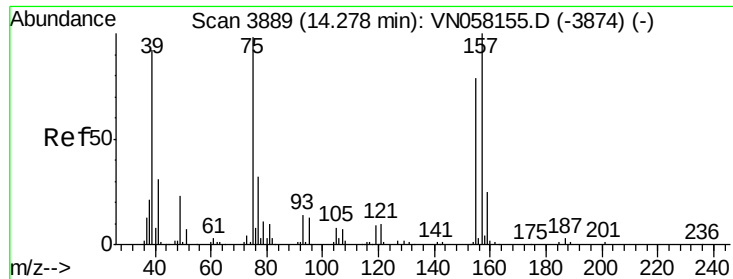


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

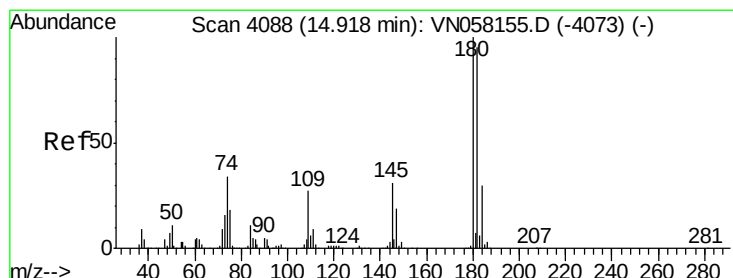
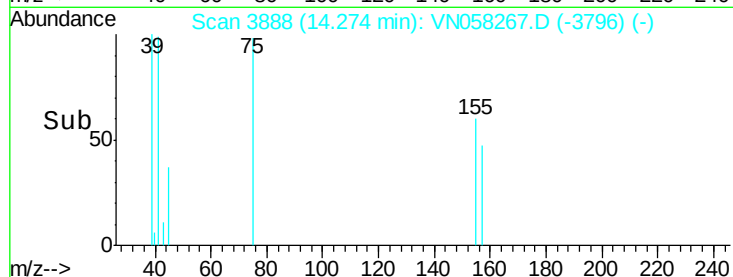
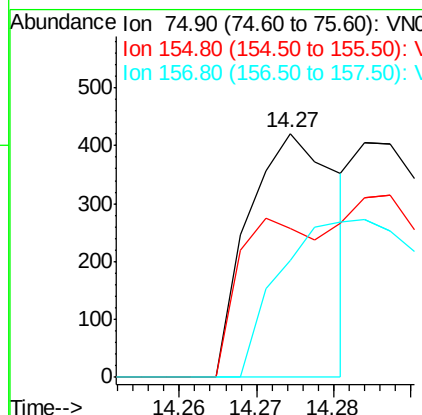
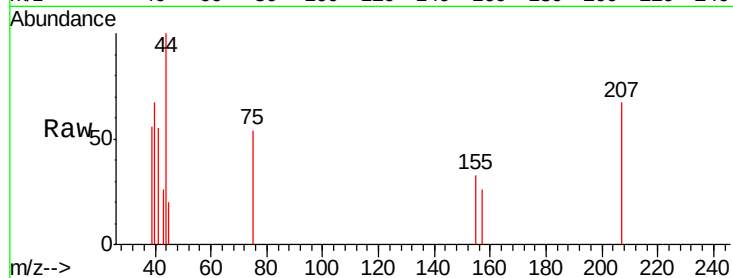




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.352 ug/l
 RT: 14.27 min Scan# 3888
 Delta R.T. -0.00 min
 Lab File: VN058267.D
 Acq: 20 Sep 2019 21:30

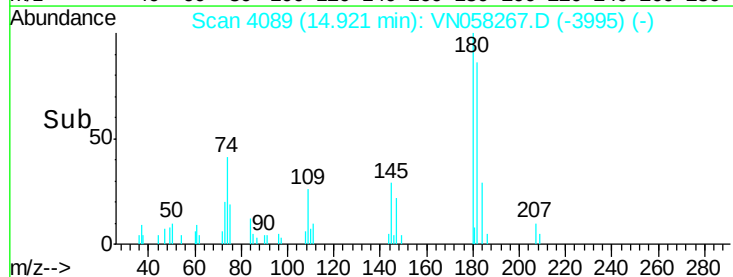
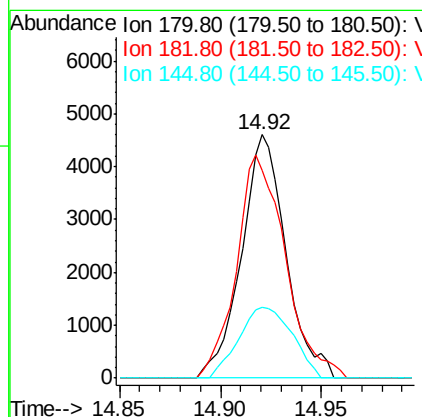
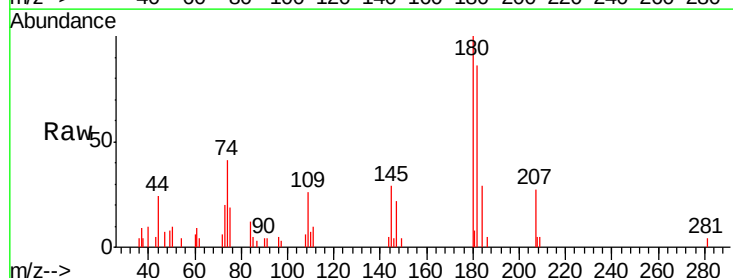
Instrument :
 MSVOA_N
 ClientSampleId :
 DUP05-20190917

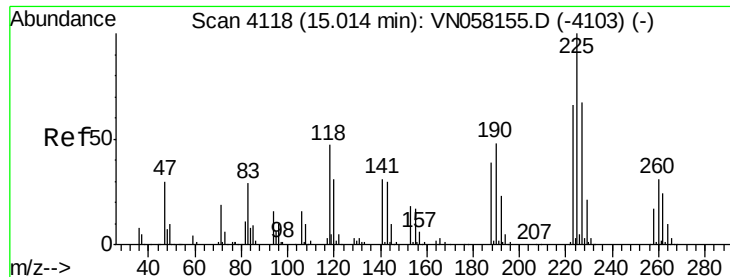
Tgt Ion: 75 Resp: 337
 Ion Ratio Lower Upper
 75 100
 155 132.6 38.3 114.8#
 157 103.0 48.0 144.0



#93
 1,2,4-Trichlorobenzene
 Concen: 1.523 ug/l
 RT: 14.92 min Scan# 4089
 Delta R.T. 0.00 min
 Lab File: VN058267.D
 Acq: 20 Sep 2019 21:30

Tgt Ion: 180 Resp: 7114
 Ion Ratio Lower Upper
 180 100
 182 100.6 47.8 143.3
 145 34.8 15.4 46.4





#94

Hexachlorobutadiene

Concen: 0.674 ug/l

RT: 15.01 min Scan# 4118

Delta R.T. -0.00 min

Lab File: VN058267.D

Acq: 20 Sep 2019 21:30

Instrument :

MSVOA_N

ClientSampleId :

DUP05-20190917

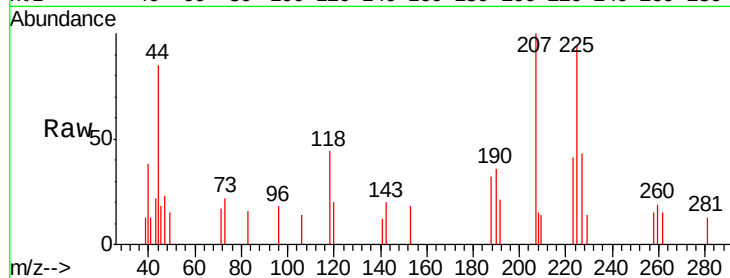
Tgt Ion:225 Resp: 1521

Ion Ratio Lower Upper

225 100

223 61.5 32.6 97.7

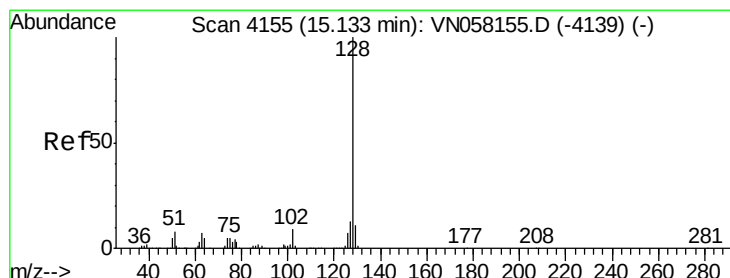
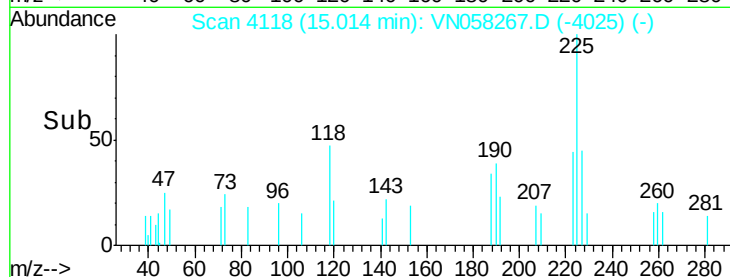
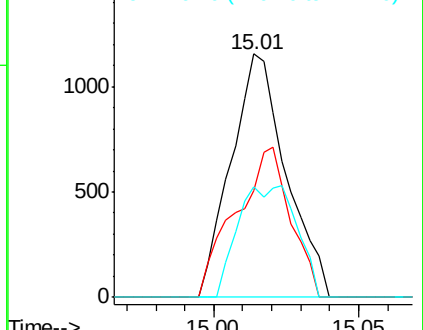
227 49.0 33.0 99.0



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: 3.259 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN058267.D

Acq: 20 Sep 2019 21:30

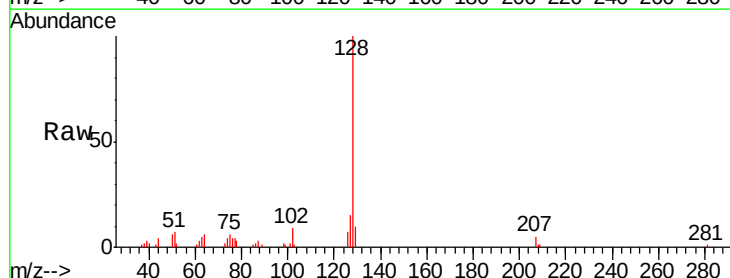
Tgt Ion:128 Resp: 39458

Ion Ratio Lower Upper

128 100

127 13.1 10.2 15.2

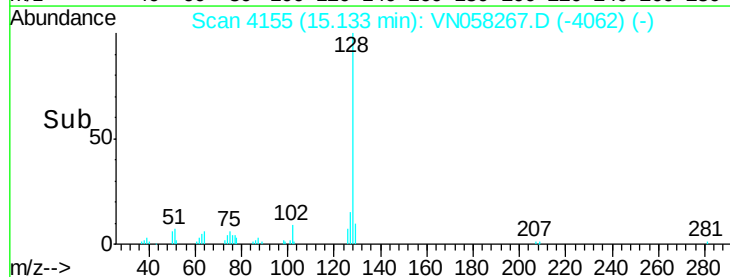
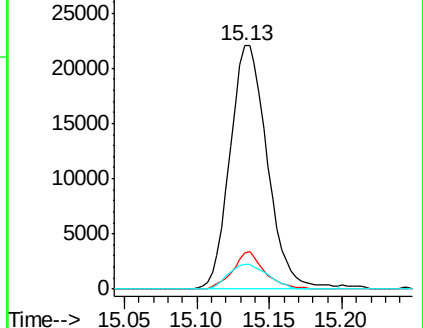
129 10.7 8.6 12.8

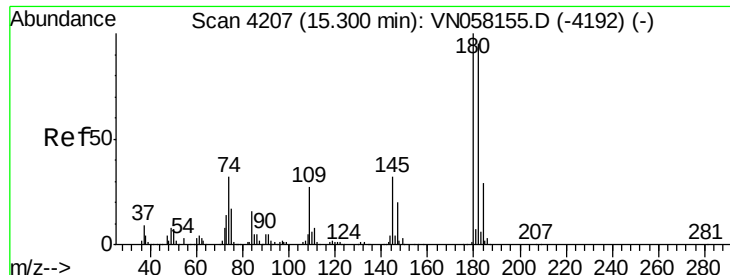


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

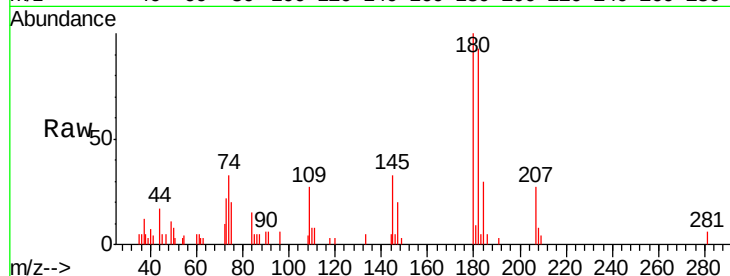




#96
 1,2,3-Trichlorobenzene
 Concen: 2.194 ug/l
 RT: 15.30 min Scan# 4208
 Delta R.T. 0.00 min
 Lab File: VN058267.D
 Acq: 20 Sep 2019 21:30

Instrument :
 MSVOA_N
 ClientSampleId :
 DUP05-20190917

Tgt Ion	Ratio	Lower	Upper
180	100		
182	89.0	47.4	142.2
145	35.4	16.1	48.2



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

