

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN081819\
 Data File : VN057369.D
 Acq On : 16 Aug 2019 21:37
 Operator : JC/SP
 Sample : K4090-12
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 OR-02-081519

Quant Time: Aug 17 03:46:52 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081519W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 15 11:33:14 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	1143603	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1604915	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1326981	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	359537	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.02	65	529001	42.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.10%	
35) Dibromofluoromethane	7.58	113	484089	46.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.02%	
50) Toluene-d8	10.09	98	1840617	47.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.66%	
62) 4-Bromofluorobenzene	12.40	95	498436	36.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	73.30%	

Target Compounds				Qvalue		
11) Tert butyl alcohol	4.72	59	5495	3.109 ug/l #	73	
16) Acetone	3.81	43	16113	3.736 ug/l	100	
18) Methyl Acetate	4.32	43	20777	Below Cal	96	
20) Methylene Chloride	4.55	84	64194	5.320 ug/l #	95	
25) 2-Butanone	6.84	43	2225	0.356 ug/l	92	
31) Cyclohexane	7.66	56	16664	0.984 ug/l #	1	
36) 1,1-Dichloropropene	7.66	75	65596	4.629 ug/l #	49	
38) Carbon Tetrachloride	7.66	117	97007	6.589 ug/l #	16	
40) Benzene	8.04	78	16175	0.373 ug/l	99	
43) Isopropyl Acetate	8.16	43	168454	6.966 ug/l #	89	
45) 1,2-Dichloropropane	9.26	63	3063	0.274 ug/l #	44	
48) Methyl methacrylate	9.18	41	7376	0.772 ug/l #	11	
49) 1,4-Dioxane	9.26	88	466	2.319 ug/l #	1	
51) 4-Methyl-2-Pentanone	9.98	43	9979	0.833 ug/l	88	
52) Toluene	10.15	92	6702	0.248 ug/l	88	
54) cis-1,3-Dichloropropene	9.90	75	75515	4.287 ug/l #	60	
57) 1,3-Dichloropropane	10.76	76	11571	0.653 ug/l #	43	
59) 2-Hexanone	10.76	43	148772	17.283 ug/l #	49	
68) m/p-Xylenes	11.62	106	3669	0.210 ug/l	94	
71) Bromoform	12.40	173	4543	0.556 ug/l #	1	
73) Isopropylbenzene	12.25	105	688	Below Cal	81	
74) N-amyl acetate	12.03	43	3496	0.335 ug/l #	44	
75) 1,1,2,2-Tetrachloroethane	12.40	83	73	Below Cal #	1	
76) 1,2,3-Trichloropropane	12.40	75	228151	31.539 ug/l #	100	
77) Bromobenzene	12.41	156	60	Below Cal #	1	
79) 2-Chlorotoluene	12.67	91	493	Below Cal #	60	
80) 1,3,5-Trimethylbenzene	12.73	105	9858	Below Cal	98	
81) trans-1,4-Dichloro-2-buten	12.40	75	228151	77.378 ug/l #	15	
83) tert-Butylbenzene	13.00	119	191	Below Cal #	76	
85) sec-Butylbenzene	13.17	105	1128	Below Cal #	74	
90) Hexachloroethane	13.90	117	115	Below Cal #	1	
93) 1,2,4-Trichlorobenzene	14.91	180	418	5.435 ug/l #	38	
94) Hexachlorobutadiene	15.01	225	277	Below Cal #	64	
95) Naphthalene	15.13	128	7074	Below Cal	97	

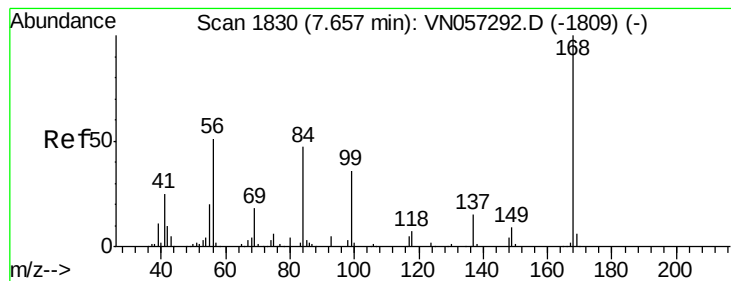
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN081819\
Data File : VN057369.D
Acq On : 16 Aug 2019 21:37
Operator : JC/SP
Sample : K4090-12
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
OR-02-081519

Quant Time: Aug 17 03:46:52 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081519W.M
Quant Title : SW846 8260
QLast Update : Thu Aug 15 11:33:14 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
96) 1,2,3-Trichlorobenzene	15.29	180	501	Below Cal		64

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN057369.D

Acq: 16 Aug 2019 21:37

Instrument :

MSVOA_N

ClientSampleId :

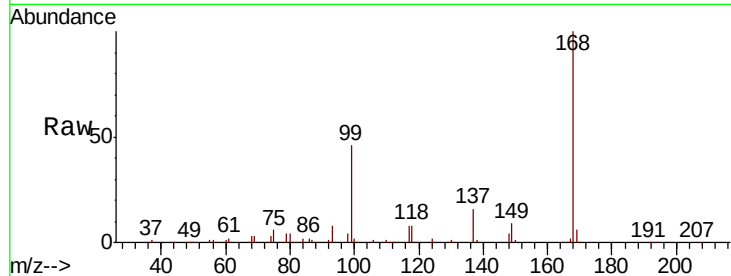
OR-02-081519

Tgt Ion:168 Resp: 1143603

Ion Ratio Lower Upper

168 100

99 46.3 39.4 59.2



Abundance Ion 167.90 (167.60 to 168.60): VN057292.D (-1809) (-)

Ion 98.90 (98.60 to 99.60): VN057292.D (-1809) (-)

7.66

500000

400000

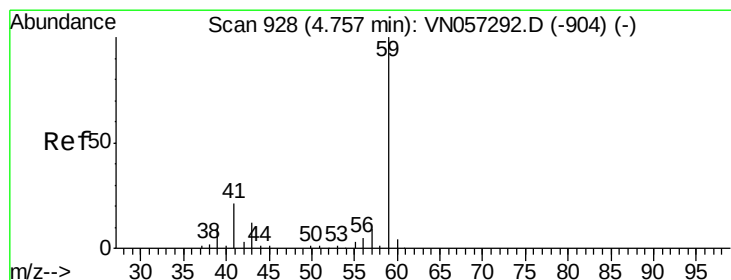
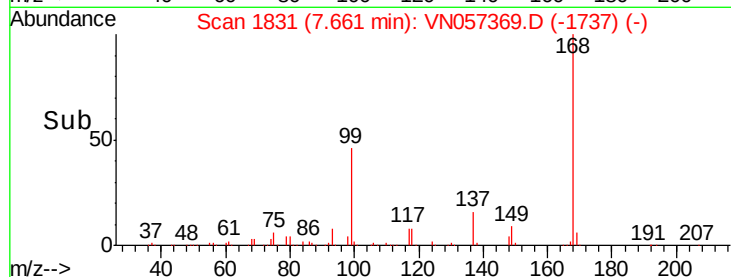
300000

200000

100000

0

Time-->



#11

Tert butyl alcohol

Concen: 3.109 ug/l

RT: 4.72 min Scan# 917

Delta R.T. -0.04 min

Lab File: VN057369.D

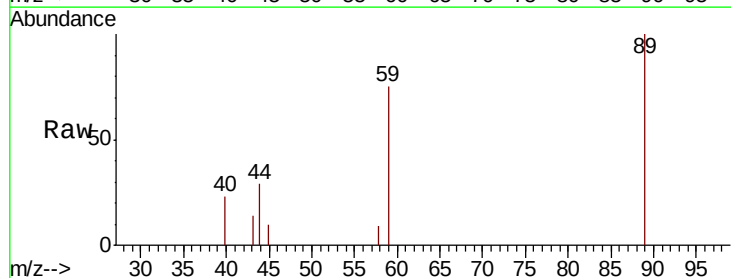
Acq: 16 Aug 2019 21:37

Tgt Ion: 59 Resp: 5495

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VN057292.D (-904) (-)

Ion 57.00 (56.70 to 57.70): VN057292.D (-904) (-)

4.72

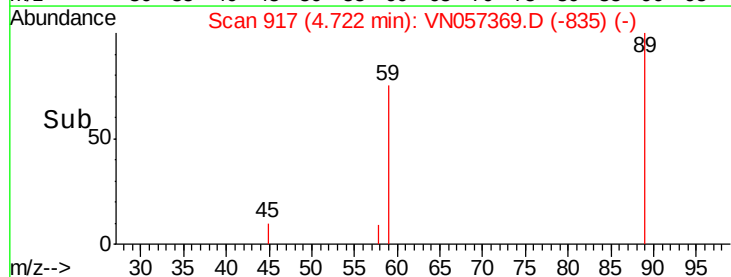
1500

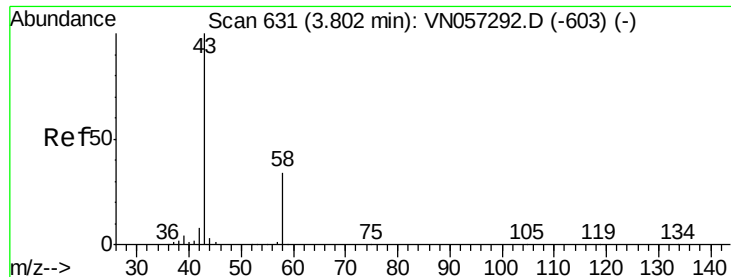
1000

500

0

Time-->





#16

Acetone

Concen: 3.736 ug/l

RT: 3.81 min Scan# 634

Delta R.T. 0.01 min

Lab File: VN057369.D

Acq: 16 Aug 2019 21:37

Instrument :

MSVOA_N

ClientSampleId :

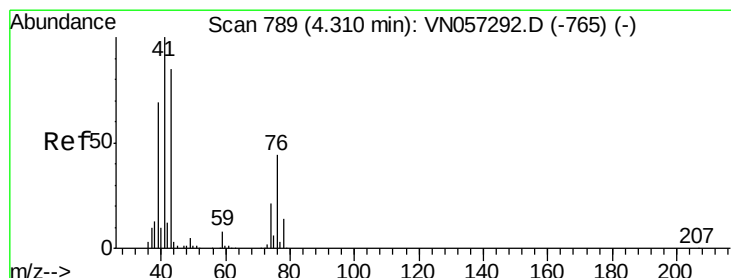
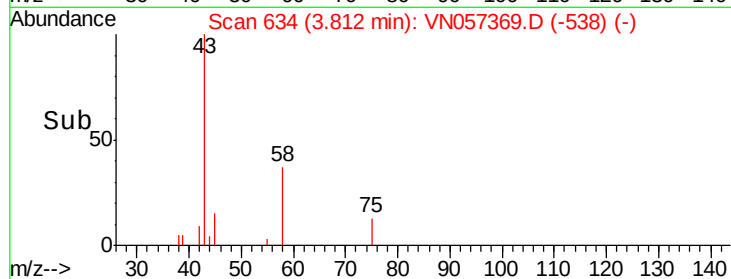
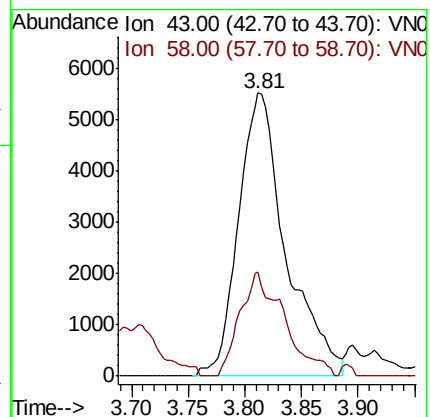
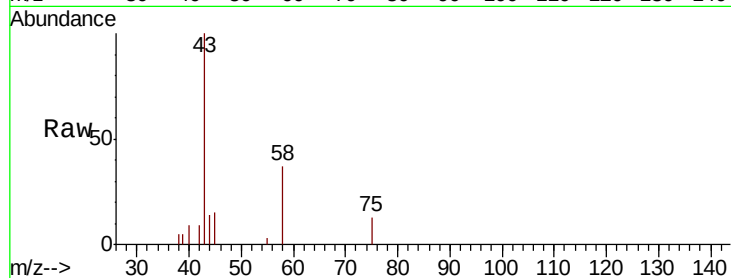
OR-02-081519

Tgt Ion: 43 Resp: 16113

Ion Ratio Lower Upper

43 100

58 33.5 27.0 40.6



#18

Methyl Acetate

Concen: Below Cal

RT: 4.32 min Scan# 793

Delta R.T. 0.01 min

Lab File: VN057369.D

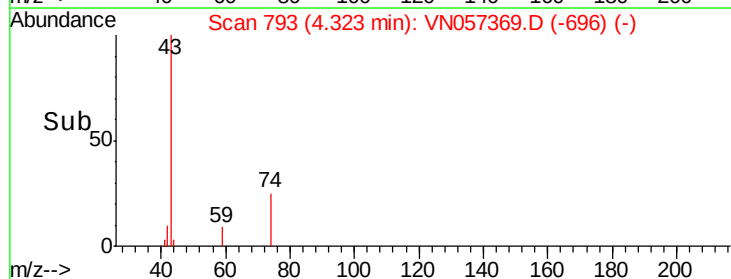
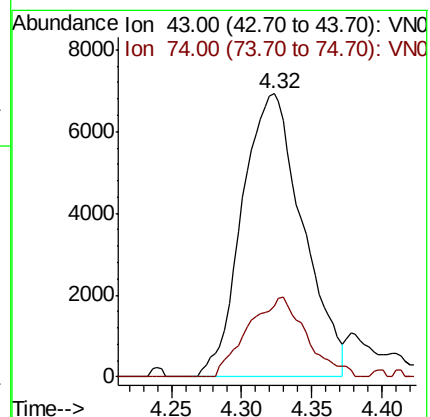
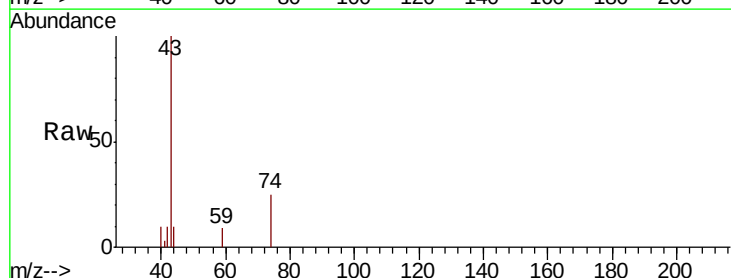
Acq: 16 Aug 2019 21:37

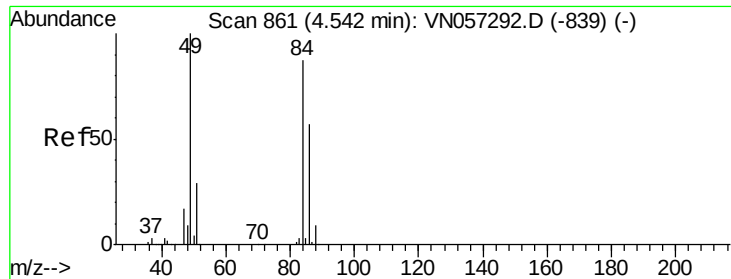
Tgt Ion: 43 Resp: 20777

Ion Ratio Lower Upper

43 100

74 27.1 20.2 30.2

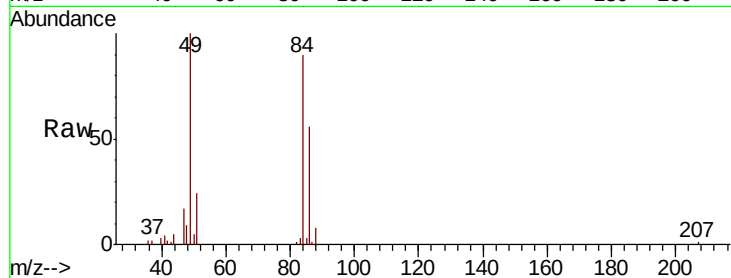




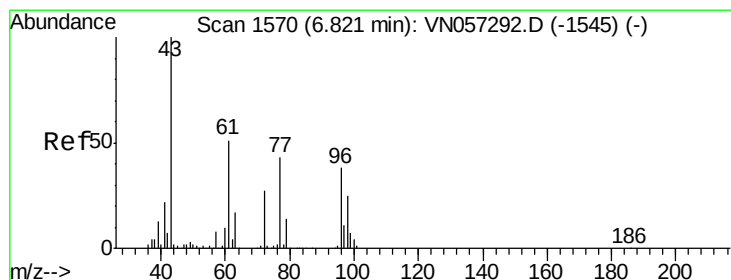
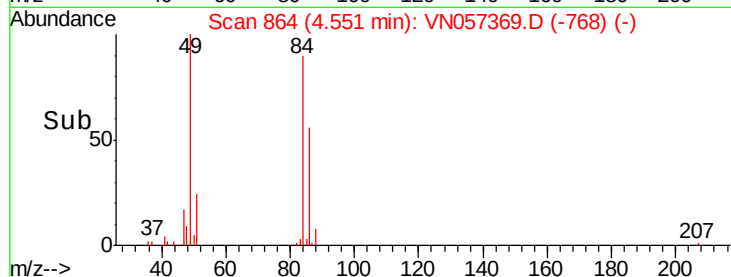
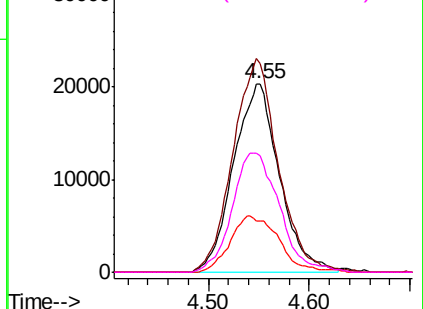
#20
Methylene Chloride
Concen: 5.320 ug/l
RT: 4.55 min Scan# 864
Delta R.T. 0.01 min
Lab File: VN057369.D
Acq: 16 Aug 2019 21:37

Instrument :
MSVOA_N
ClientSampleId :
OR-02-081519

Tgt Ion: 84 Resp: 64194
Ion Ratio Lower Upper
84 100
49 110.6 92.0 138.0
51 26.9 27.1 40.7#
86 61.9 52.2 78.2

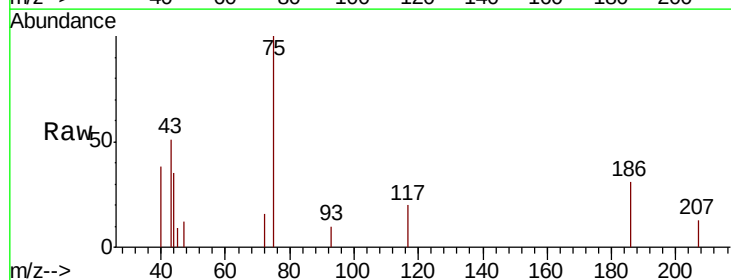


Abundance Ion 83.90 (83.60 to 84.60): VN0
Ion 48.90 (48.60 to 49.60): VN0
Ion 50.90 (50.60 to 51.60): VN0
Ion 85.90 (85.60 to 86.60): VN0

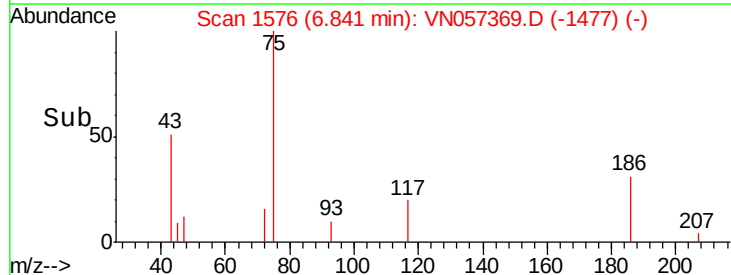
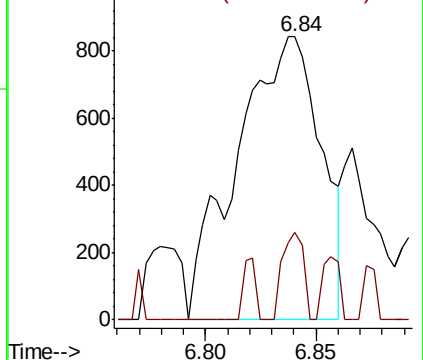


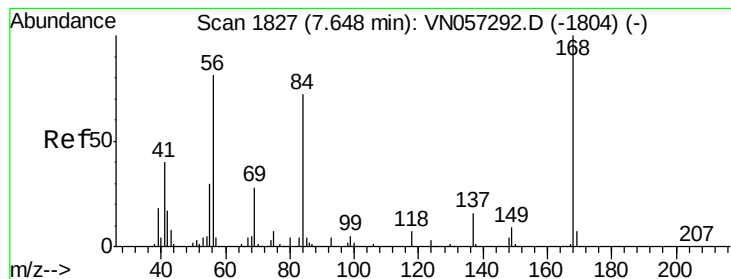
#25
2-Butanone
Concen: 0.356 ug/l
RT: 6.84 min Scan# 1576
Delta R.T. 0.02 min
Lab File: VN057369.D
Acq: 16 Aug 2019 21:37

Tgt Ion: 43 Resp: 2225
Ion Ratio Lower Upper
43 100
72 31.1 21.5 32.3



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 72.00 (71.70 to 72.70): VN0





#31

Cyclohexane

Concen: 0.984 ug/l

RT: 7.66 min Scan# 1831

Delta R.T. 0.01 min

Lab File: VN057369.D

Acq: 16 Aug 2019 21:37

Instrument :

MSVOA_N

ClientSampleId :

OR-02-081519

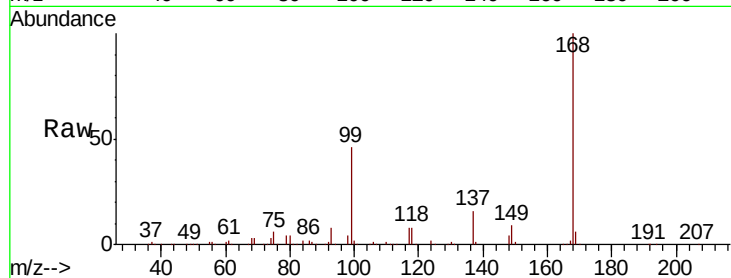
Tgt Ion: 56 Resp: 16664

Ion Ratio Lower Upper

56 100

69 193.3 27.3 40.9#

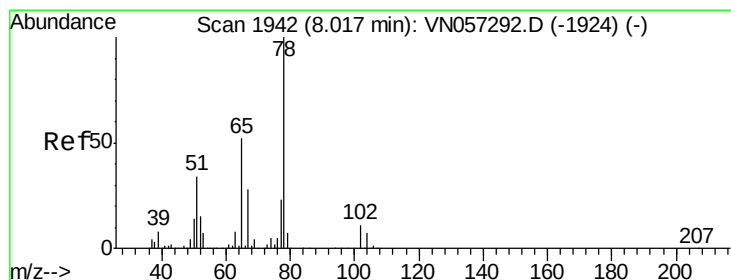
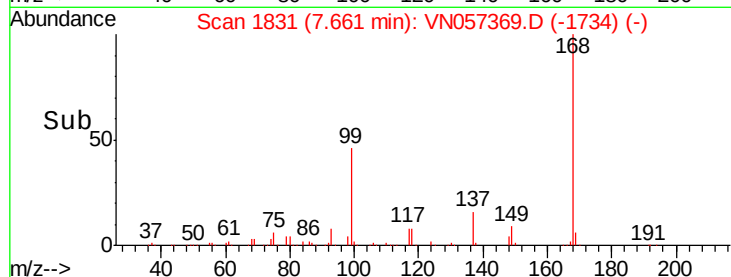
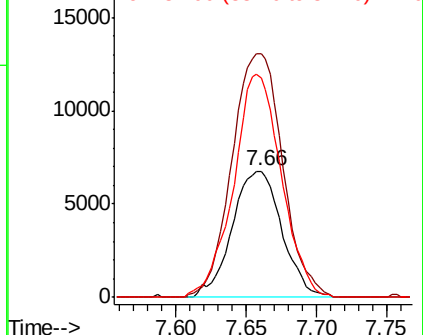
84 173.9 71.0 106.6#



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: 42.551 ug/l

RT: 8.02 min Scan# 1942

Delta R.T. 0.00 min

Lab File: VN057369.D

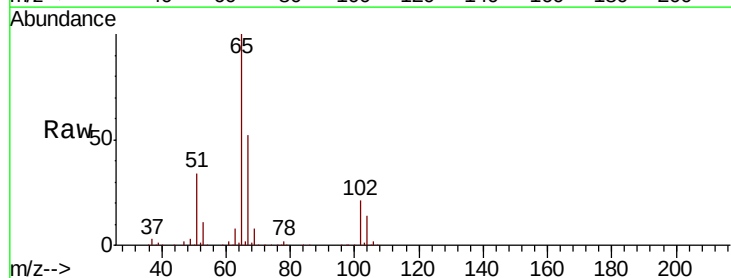
Acq: 16 Aug 2019 21:37

Tgt Ion: 65 Resp: 529001

Ion Ratio Lower Upper

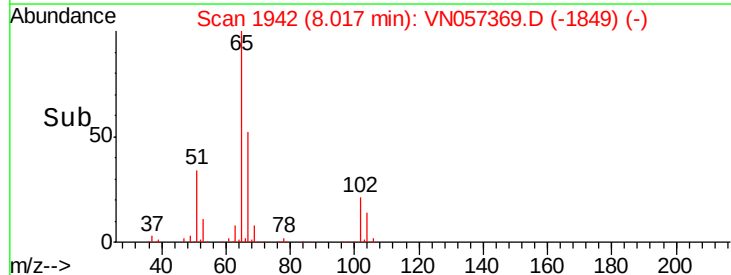
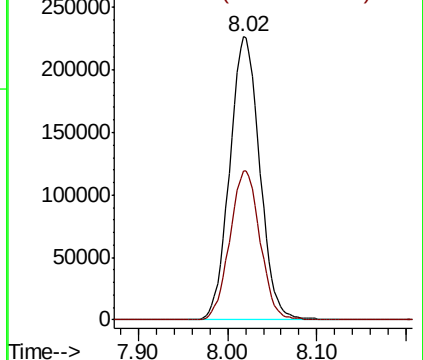
65 100

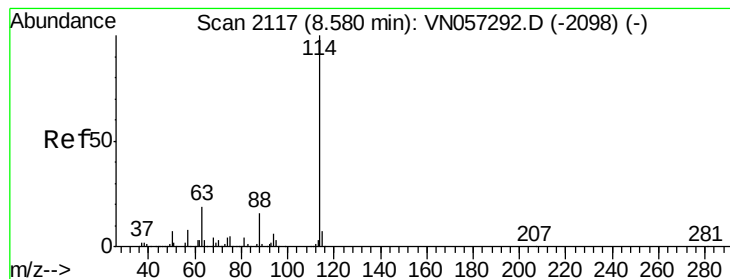
67 52.9 0.0 107.4



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: 8.58 min Scan# 2117

Delta R.T. 0.00 min

Lab File: VN057369.D

Acq: 16 Aug 2019 21:37

Instrument :

MSVOA_N

ClientSampleId :

OR-02-081519

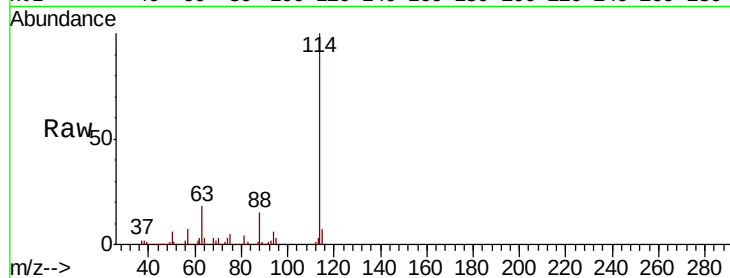
Tgt Ion:114 Resp: 1604915

Ion Ratio Lower Upper

114 100

63 18.0 0.0 38.8

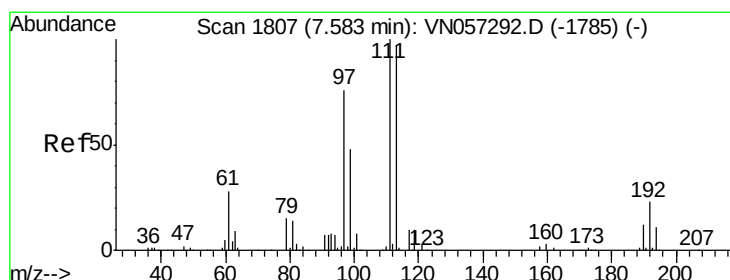
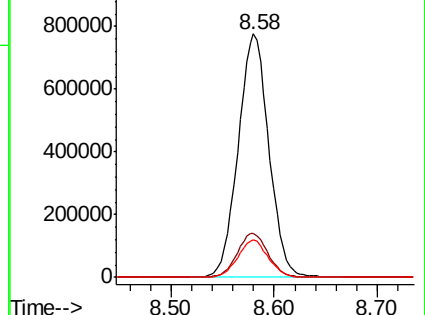
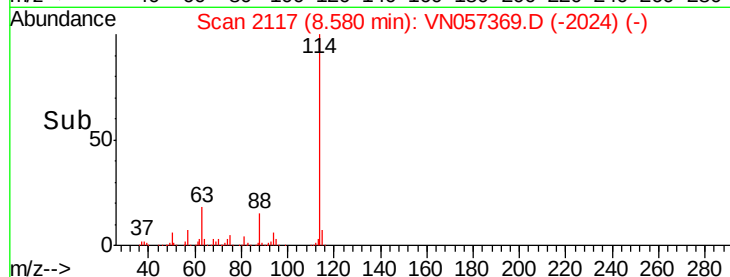
88 15.4 0.0 31.4



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: 46.014 ug/l

RT: 7.58 min Scan# 1807

Delta R.T. 0.00 min

Lab File: VN057369.D

Acq: 16 Aug 2019 21:37

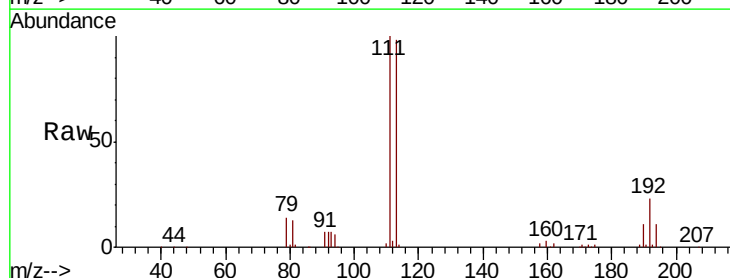
Tgt Ion:113 Resp: 484089

Ion Ratio Lower Upper

113 100

111 101.2 82.1 123.1

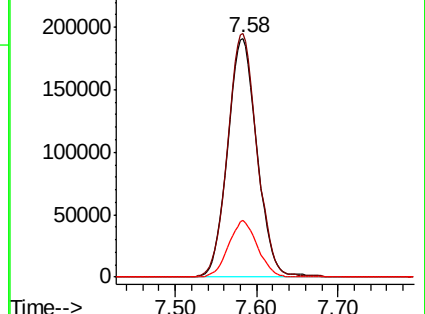
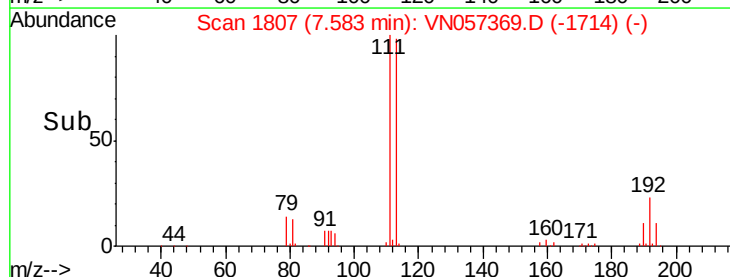
192 23.3 19.3 28.9

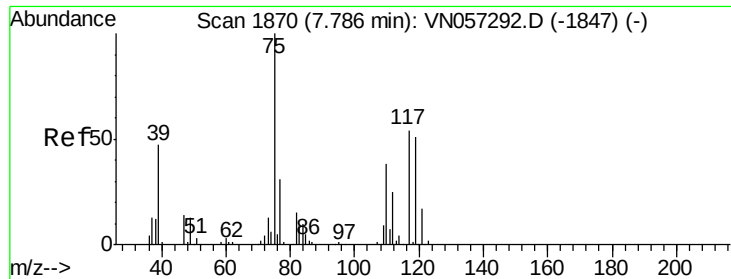


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

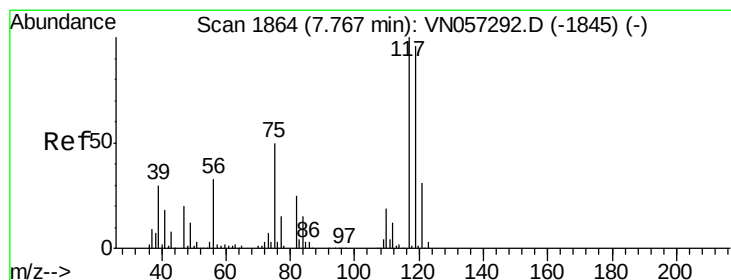
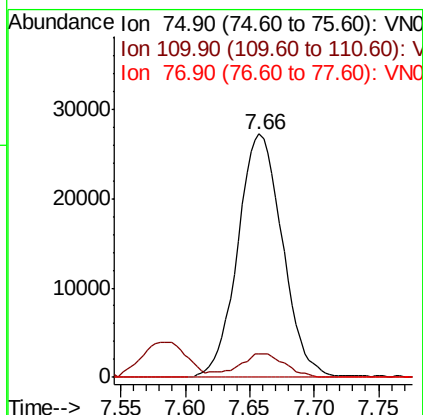
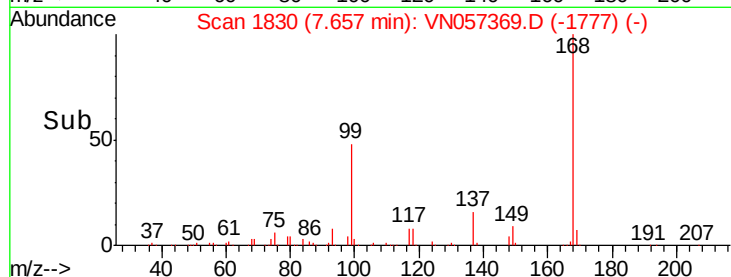
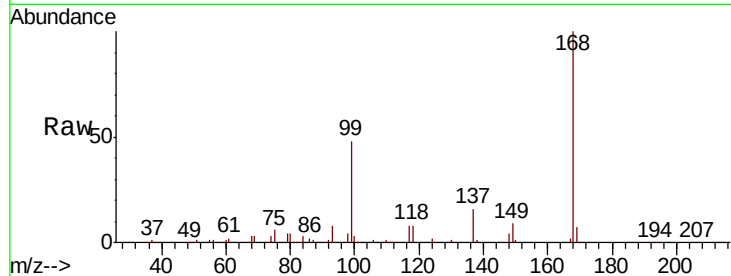




#36
 1,1-Dichloropropene
 Concen: 4.629 ug/l
 RT: 7.66 min Scan# 1830
 Delta R.T. -0.13 min
 Lab File: VN057369.D
 Acq: 16 Aug 2019 21:37

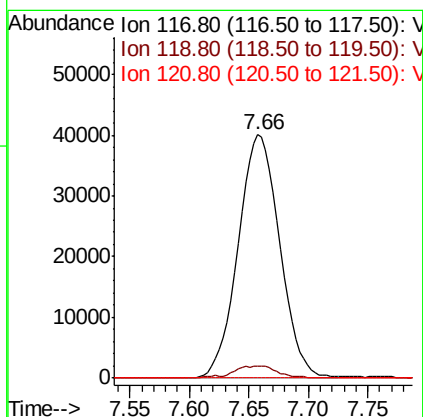
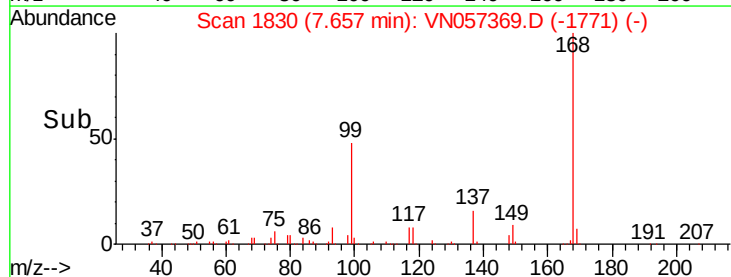
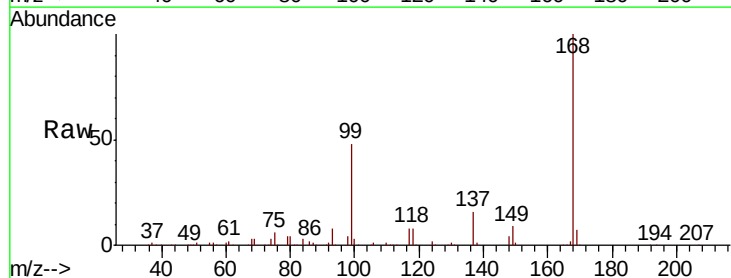
Instrument :
 MSVOA_N
 ClientSampleId :
 OR-02-081519

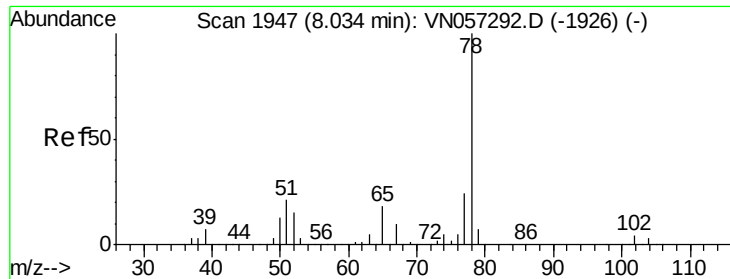
Tgt Ion: 75 Resp: 65596
 Ion Ratio Lower Upper
 75 100
 110 10.1 19.5 58.5#
 77 0.0 25.0 37.6#



#38
 Carbon Tetrachloride
 Concen: 6.589 ug/l
 RT: 7.66 min Scan# 1830
 Delta R.T. -0.11 min
 Lab File: VN057369.D
 Acq: 16 Aug 2019 21:37

Tgt Ion: 117 Resp: 97007
 Ion Ratio Lower Upper
 117 100
 119 5.0 76.8 115.2#
 121 0.0 25.0 37.4#





#40

Benzene

Concen: 0.373 ug/l

RT: 8.04 min Scan# 1949

Delta R.T. 0.01 min

Lab File: VN057369.D

Acq: 16 Aug 2019 21:37

Instrument :

MSVOA_N

ClientSampleId :

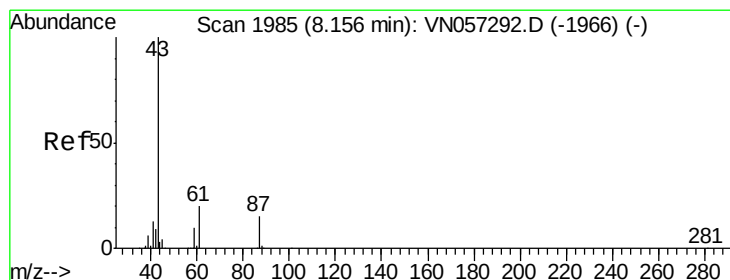
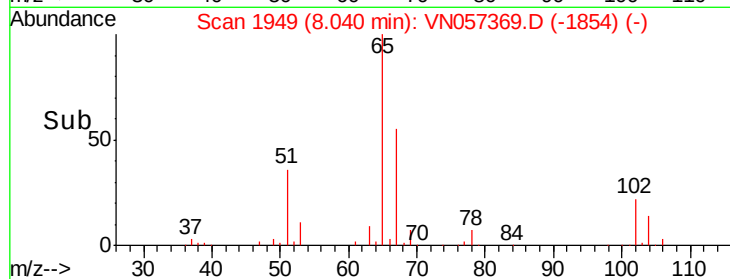
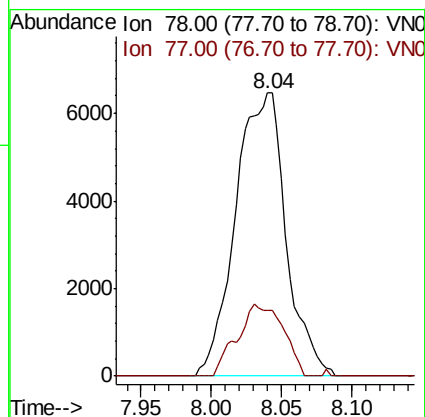
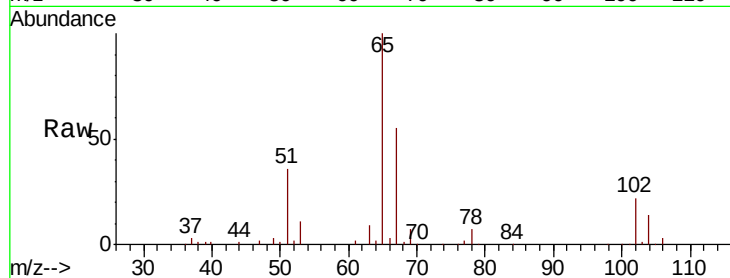
OR-02-081519

Tgt Ion: 78 Resp: 16175

Ion Ratio Lower Upper

78 100

77 23.3 19.1 28.7



#43

Isopropyl Acetate

Concen: 6.966 ug/l

RT: 8.16 min Scan# 1985

Delta R.T. 0.00 min

Lab File: VN057369.D

Acq: 16 Aug 2019 21:37

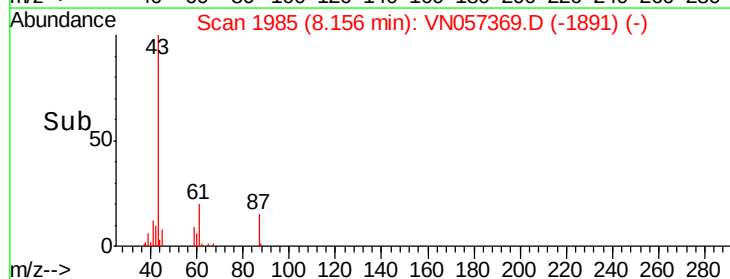
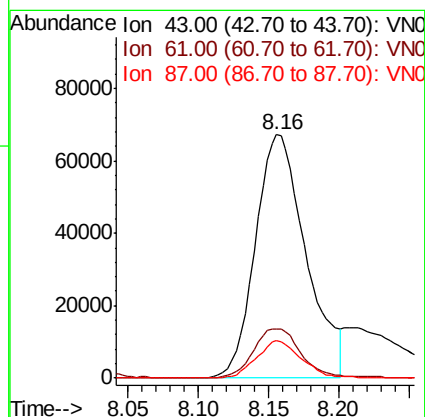
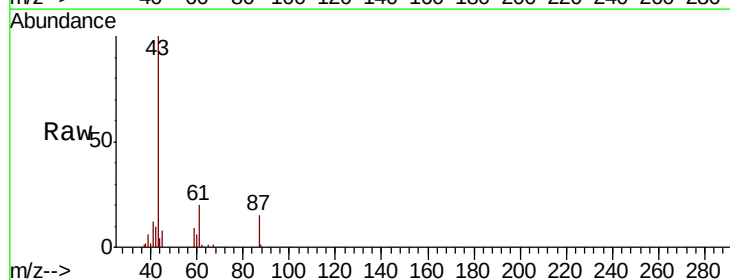
Tgt Ion: 43 Resp: 168454

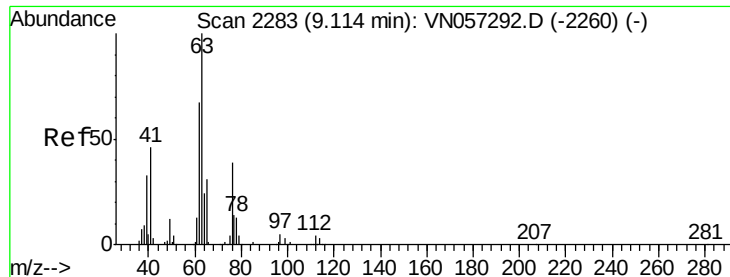
Ion Ratio Lower Upper

43 100

61 19.1 21.6 32.4#

87 13.5 11.4 17.0





#45

1,2-Dichloropropane

Concen: 0.274 ug/l

RT: 9.26 min Scan# 2329

Delta R.T. 0.15 min

Lab File: VN057369.D

Acq: 16 Aug 2019 21:37

Instrument :

MSVOA_N

ClientSampleId :

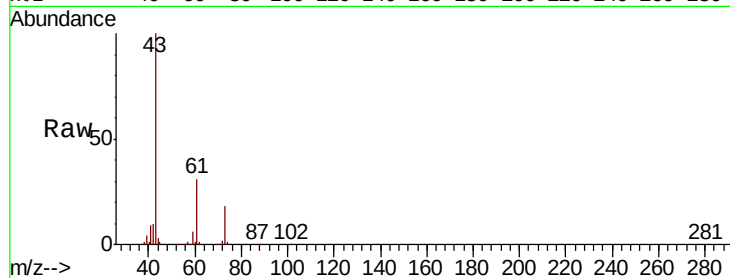
OR-02-081519

Tgt Ion: 63 Resp: 3063

Ion Ratio Lower Upper

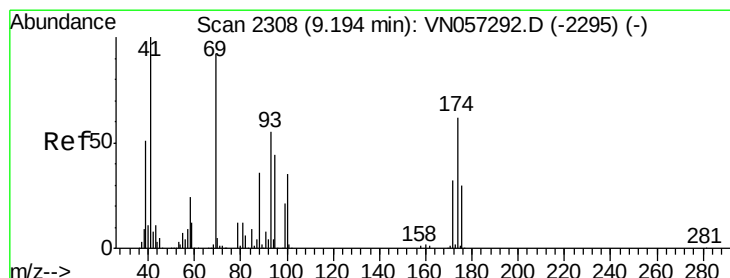
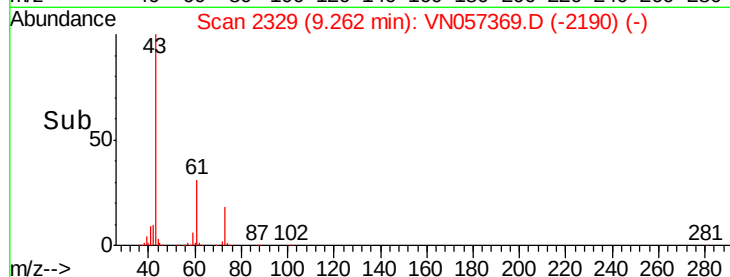
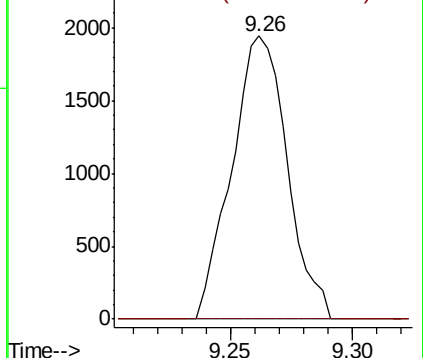
63 100

65 0.0 24.8 37.2#



Abundance Ion 62.90 (62.60 to 63.60): VNO

Ion 64.90 (64.60 to 65.60): VNO



#48

Methyl methacrylate

Concen: 0.772 ug/l

RT: 9.18 min Scan# 2302

Delta R.T. -0.02 min

Lab File: VN057369.D

Acq: 16 Aug 2019 21:37

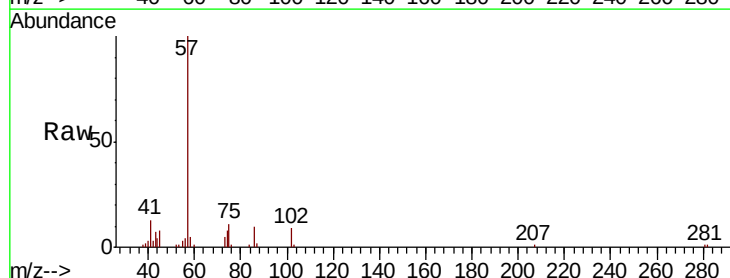
Tgt Ion: 41 Resp: 7376

Ion Ratio Lower Upper

41 100

69 0.0 75.9 113.9#

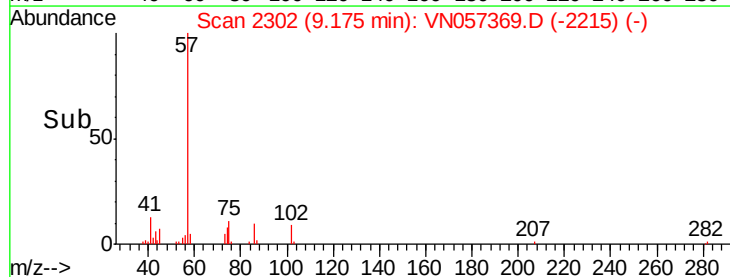
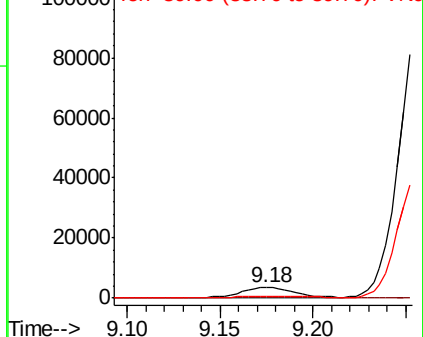
39 0.0 42.3 63.5#

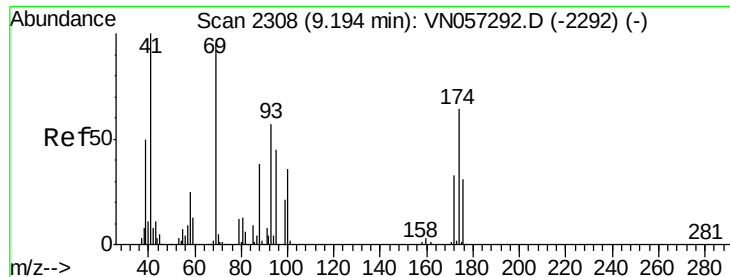


Abundance Ion 41.00 (40.70 to 41.70): VNO

Ion 69.00 (68.70 to 69.70): VNO

Ion 39.00 (38.70 to 39.70): VNO





#49

1,4-Dioxane

Concen: 2.319 ug/l

RT: 9.26 min Scan# 2329

Delta R.T. 0.07 min

Lab File: VN057369.D

Acq: 16 Aug 2019 21:37

Instrument :

MSVOA_N

ClientSampleId :

OR-02-081519

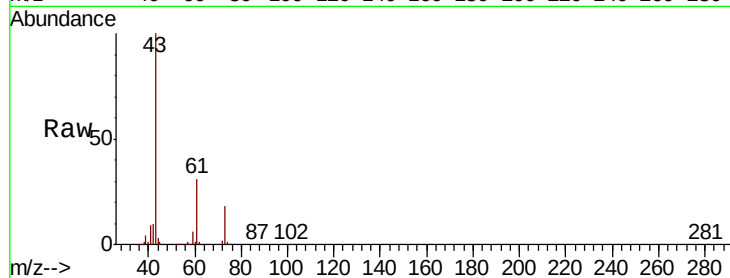
Tgt Ion: 88 Resp: 466

Ion Ratio Lower Upper

88 100

43 490235.8 22.9 34.3#

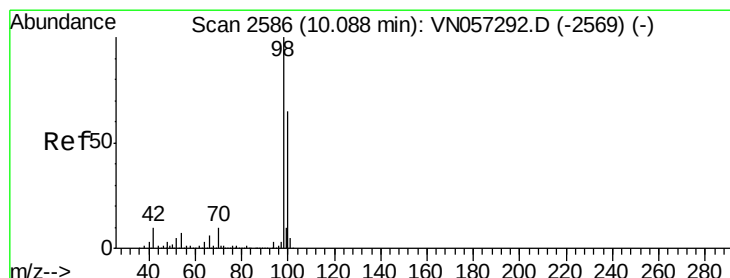
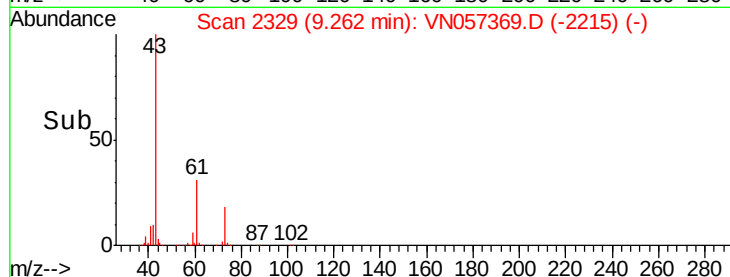
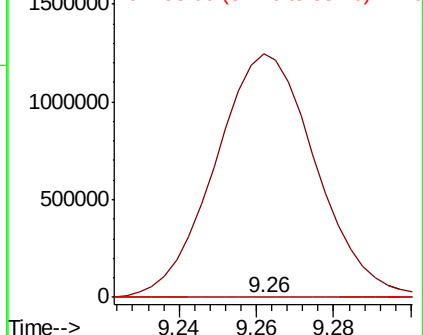
58 2161.4 52.7 79.1#



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: 47.834 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. 0.00 min

Lab File: VN057369.D

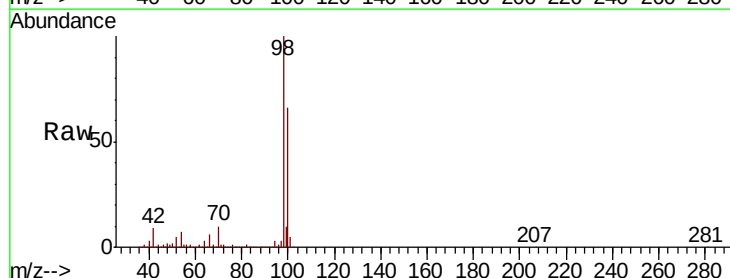
Acq: 16 Aug 2019 21:37

Tgt Ion: 98 Resp: 1840617

Ion Ratio Lower Upper

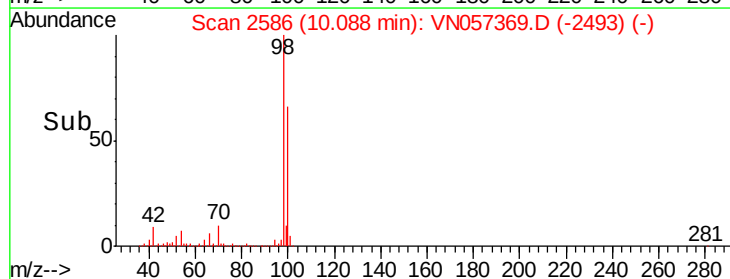
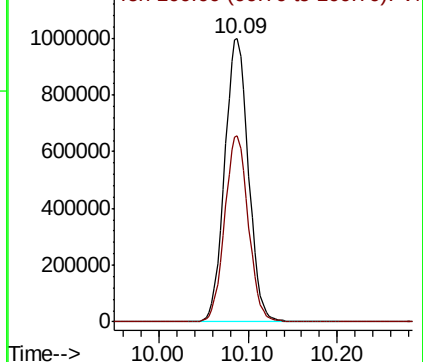
98 100

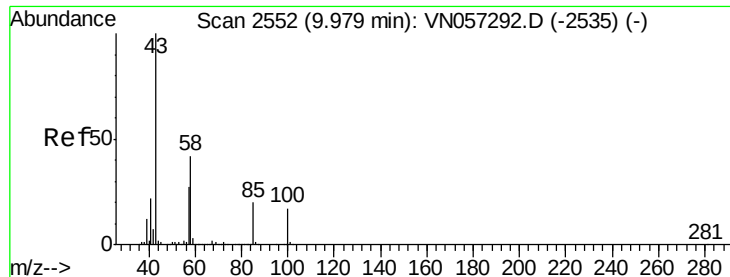
100 65.2 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0

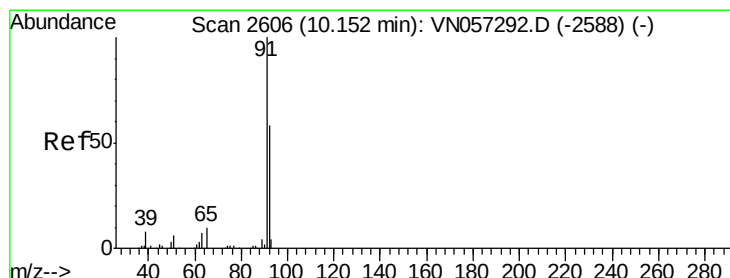
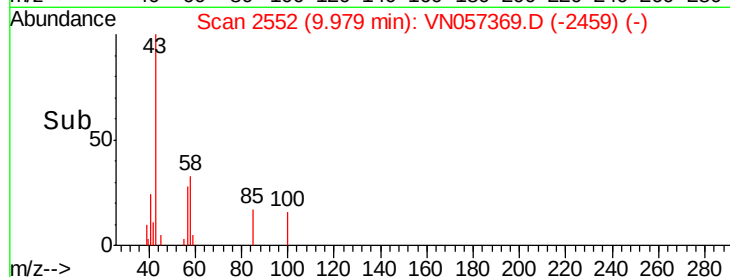
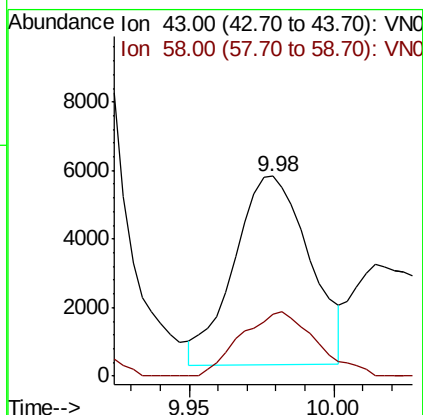
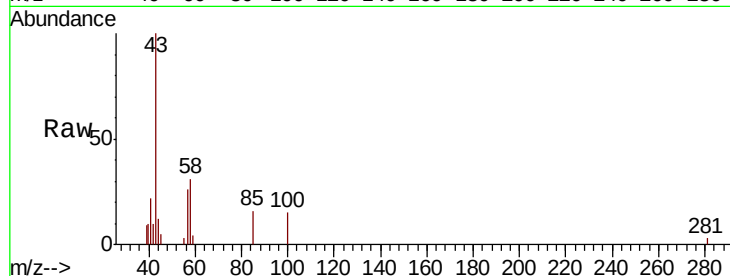




#51
4-Methyl-2-Pentanone
Concen: 0.833 ug/l
RT: 9.98 min Scan# 2552
Delta R.T. 0.00 min
Lab File: VN057369.D
Acq: 16 Aug 2019 21:37

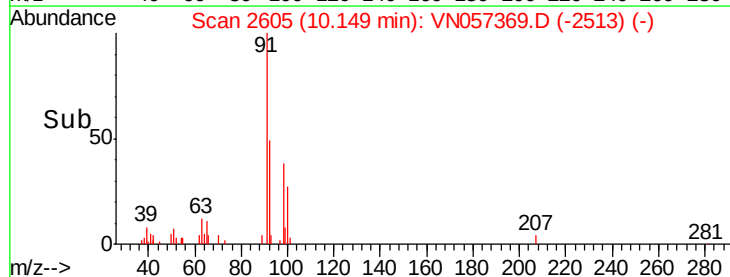
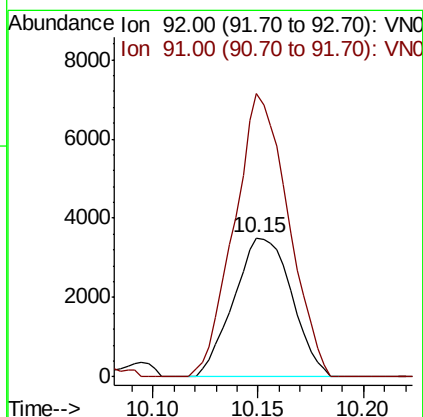
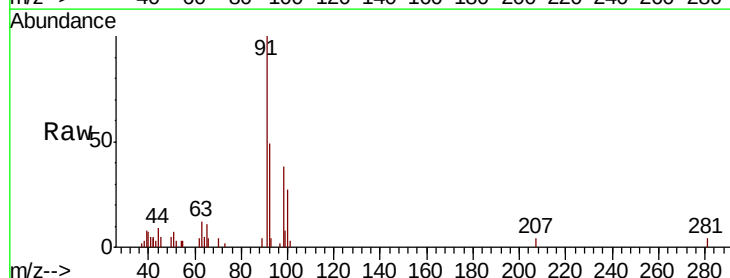
Instrument :
MSVOA_N
ClientSampleId :
OR-02-081519

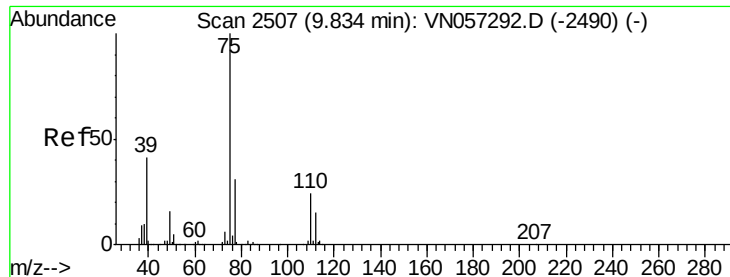
Tgt Ion: 43 Resp: 9979
Ion Ratio Lower Upper
43 100
58 34.2 33.2 49.8



#52
Toluene
Concen: 0.248 ug/l
RT: 10.15 min Scan# 2605
Delta R.T. -0.00 min
Lab File: VN057369.D
Acq: 16 Aug 2019 21:37

Tgt Ion: 92 Resp: 6702
Ion Ratio Lower Upper
92 100
91 189.9 138.9 208.3





#54

cis-1,3-Dichloropropene

Concen: 4.287 ug/l

RT: 9.90 min Scan# 2527

Delta R.T. 0.06 min

Lab File: VN057369.D

Acq: 16 Aug 2019 21:37

Instrument :

MSVOA_N

ClientSampleId :

OR-02-081519

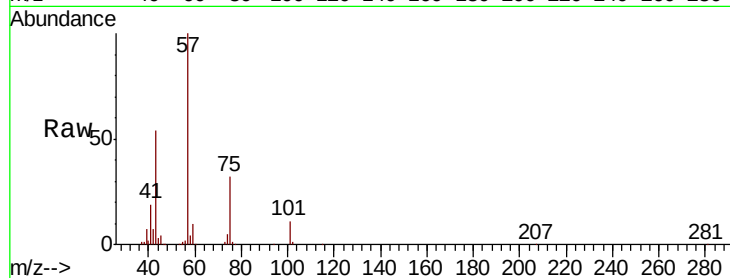
Tgt Ion: 75 Resp: 75515

Ion Ratio Lower Upper

75 100

77 0.8 24.9 37.3#

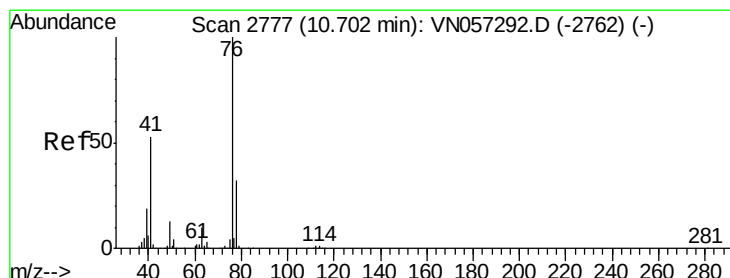
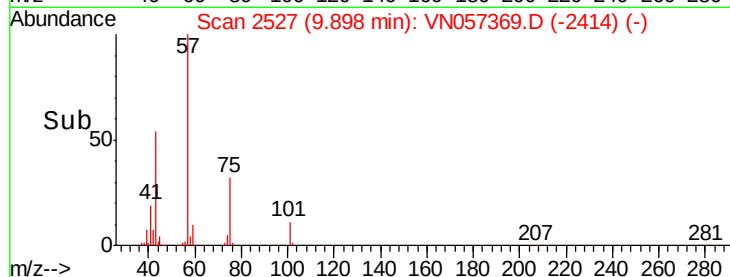
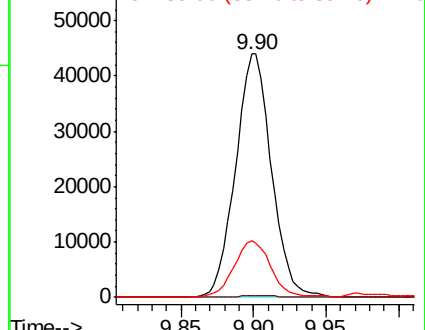
39 23.5 32.7 49.1#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0



#57

1,3-Dichloropropene

Concen: 0.653 ug/l

RT: 10.76 min Scan# 2796

Delta R.T. 0.06 min

Lab File: VN057369.D

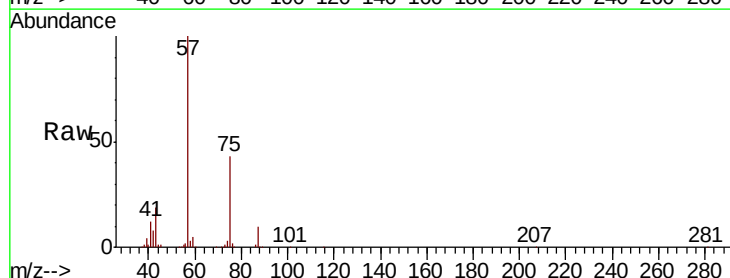
Acq: 16 Aug 2019 21:37

Tgt Ion: 76 Resp: 11571

Ion Ratio Lower Upper

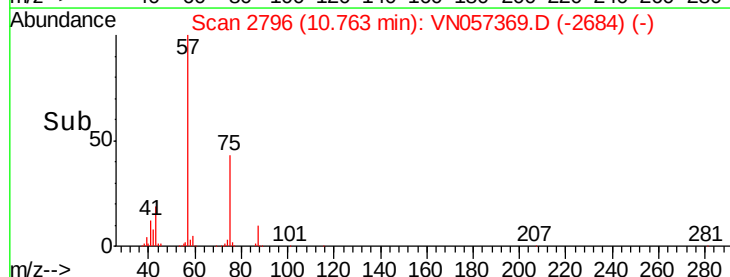
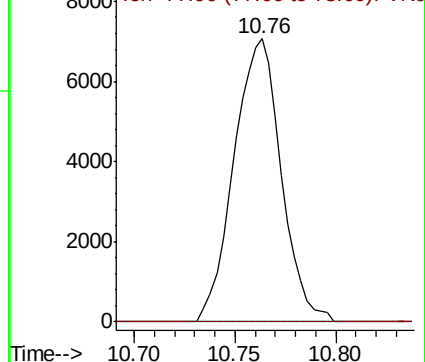
76 100

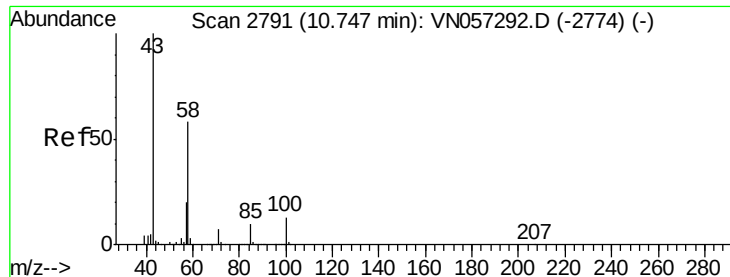
78 0.0 25.6 38.4#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

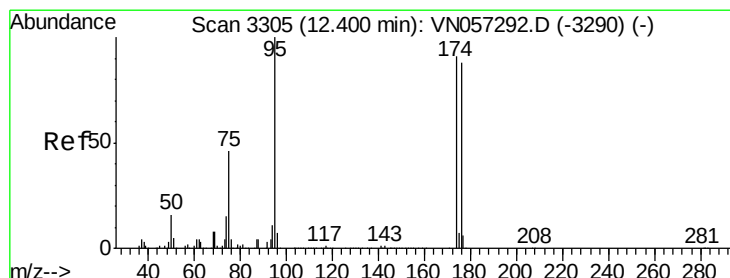
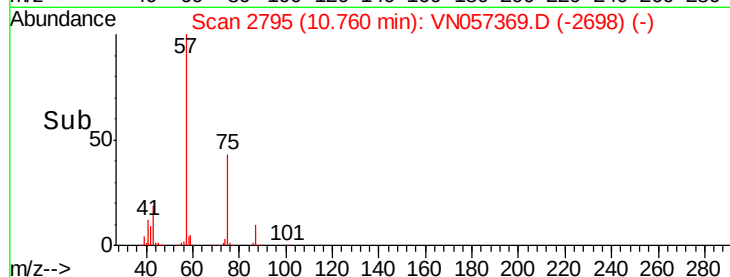
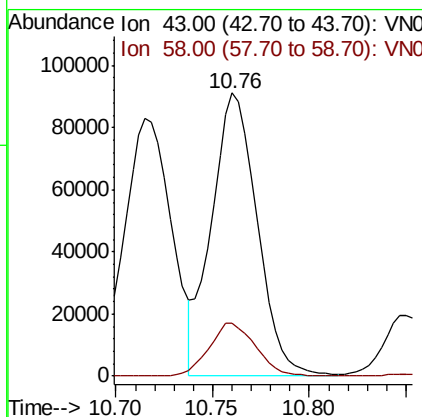
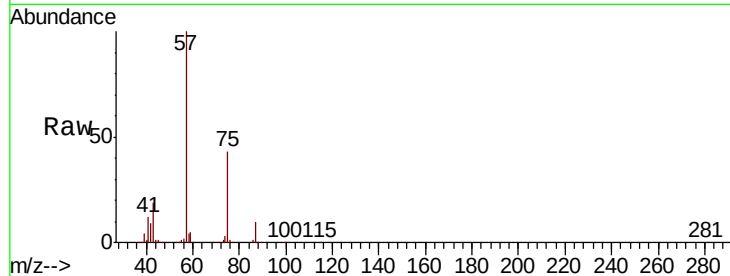




#59
2-Hexanone
Concen: 17.283 ug/l
RT: 10.76 min Scan# 2795
Delta R.T. 0.01 min
Lab File: VN057369.D
Acq: 16 Aug 2019 21:37

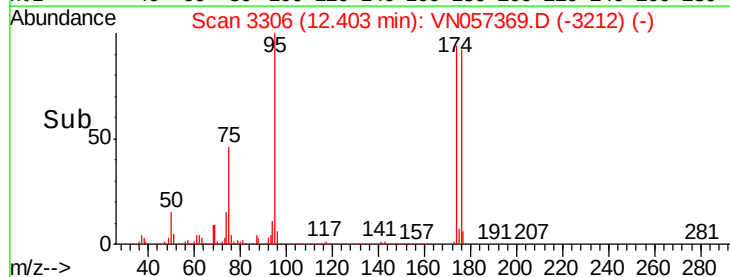
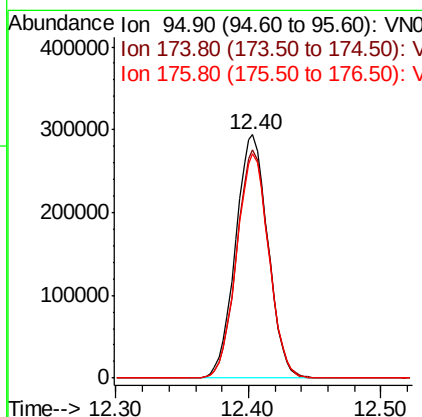
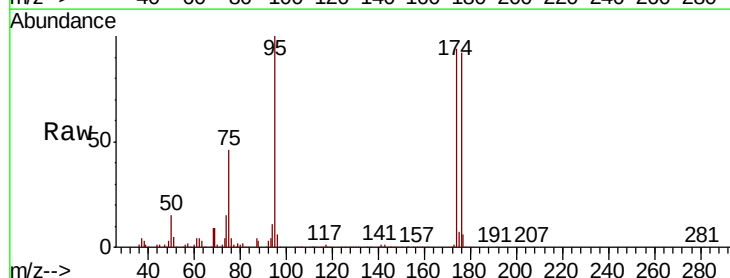
Instrument :
MSVOA_N
ClientSampleId :
OR-02-081519

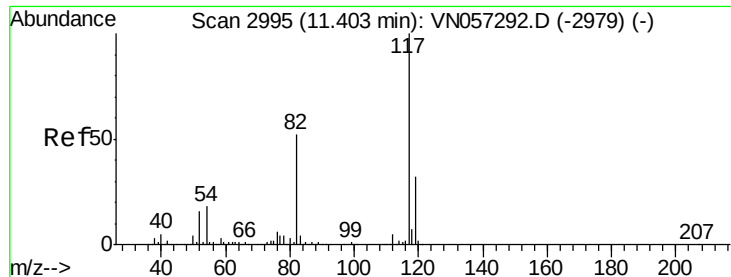
Tgt Ion: 43 Resp: 148772
Ion Ratio Lower Upper
43 100
58 19.3 28.6 85.9#



#62
4-Bromofluorobenzene
Concen: 36.654 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN057369.D
Acq: 16 Aug 2019 21:37

Tgt Ion: 95 Resp: 498436
Ion Ratio Lower Upper
95 100
174 93.1 0.0 185.0
176 91.7 0.0 181.0

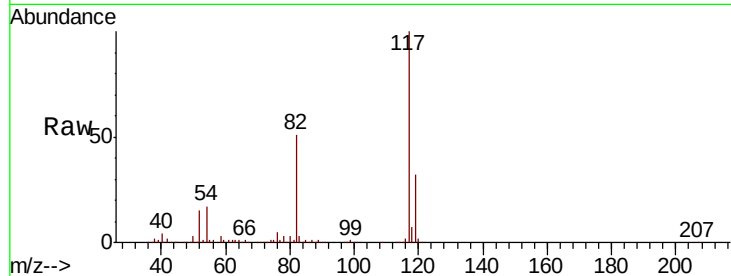




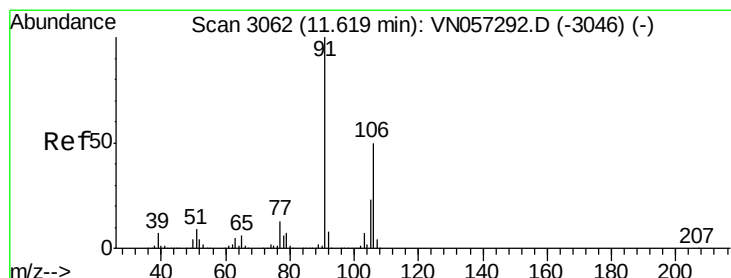
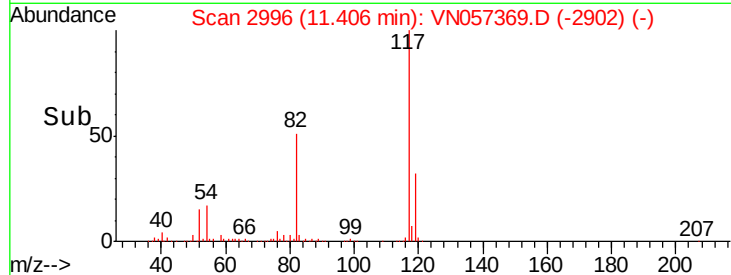
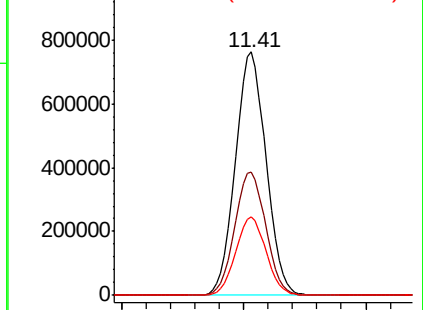
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN057369.D
Acq: 16 Aug 2019 21:37

Instrument :
MSVOA_N
ClientSampleId :
OR-02-081519

Tgt Ion:117 Resp: 1326981
Ion Ratio Lower Upper
117 100
82 50.6 41.2 61.8
119 32.2 25.8 38.8

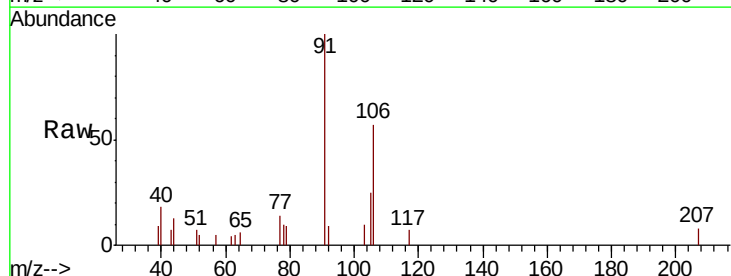


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VN
Ion 118.90 (118.60 to 119.60): V

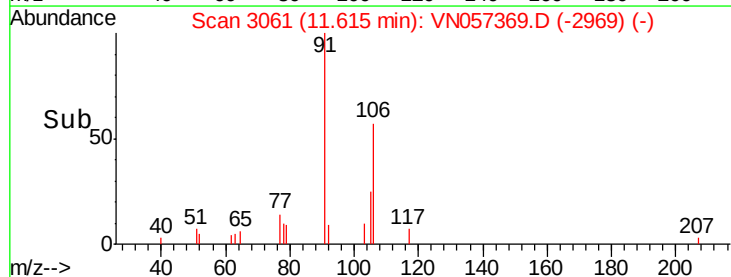
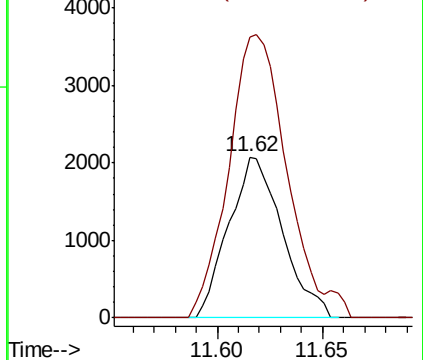


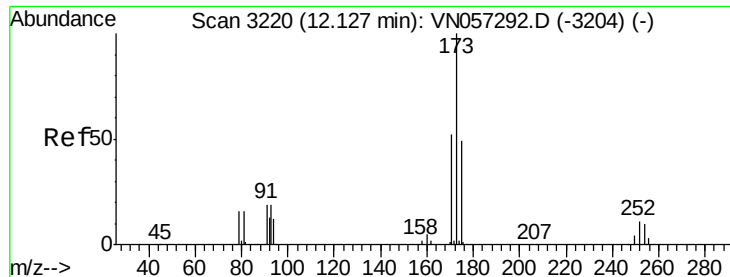
#68
m/p-Xylenes
Concen: 0.210 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. -0.00 min
Lab File: VN057369.D
Acq: 16 Aug 2019 21:37

Tgt Ion:106 Resp: 3669
Ion Ratio Lower Upper
106 100
91 192.4 161.5 242.3



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN





#71

Bromoform

Concen: 0.556 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.28 min

Lab File: VN057369.D

Acq: 16 Aug 2019 21:37

Instrument :

MSVOA_N

ClientSampled :

OR-02-081519

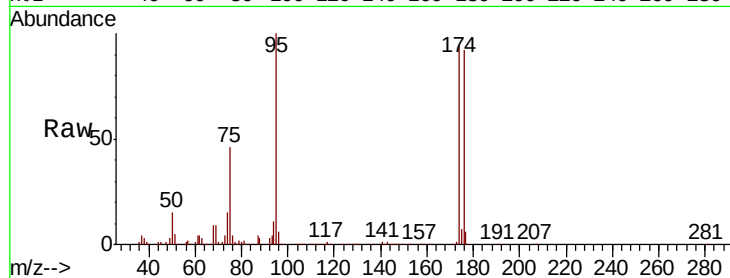
Tgt Ion:173 Resp: 4543

Ion Ratio Lower Upper

173 100

175 650.5 24.2 72.6#

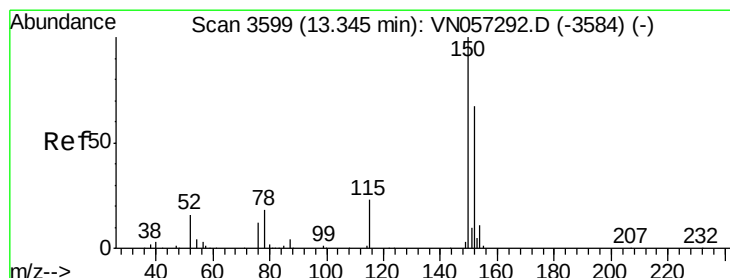
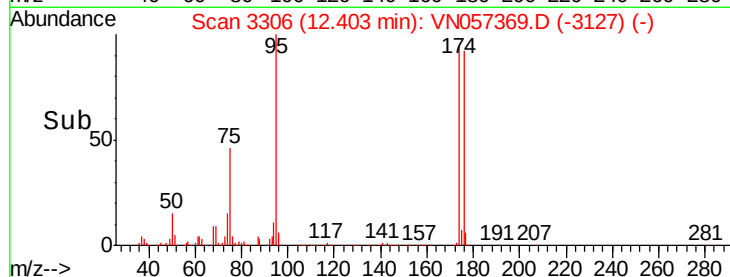
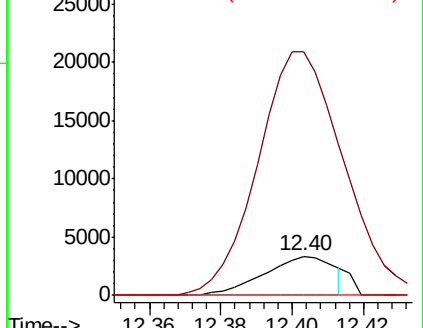
254 0.0 0.2 0.2#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN057369.D

Acq: 16 Aug 2019 21:37

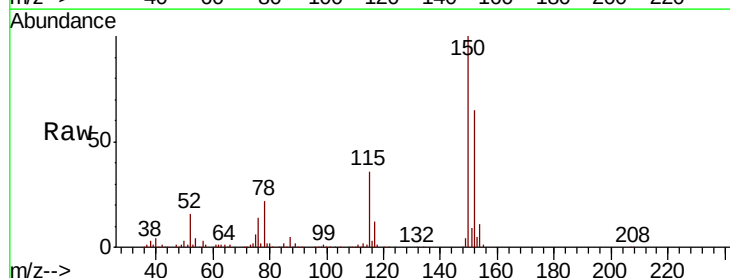
Tgt Ion:152 Resp: 359537

Ion Ratio Lower Upper

152 100

115 54.0 27.3 81.9

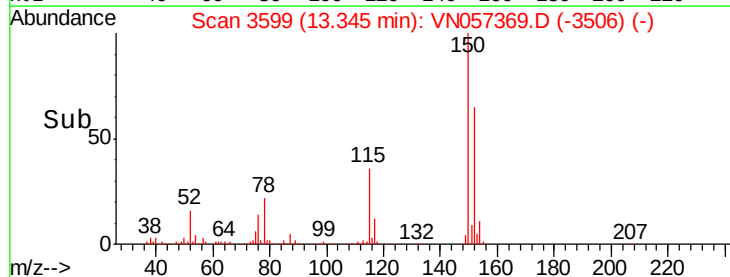
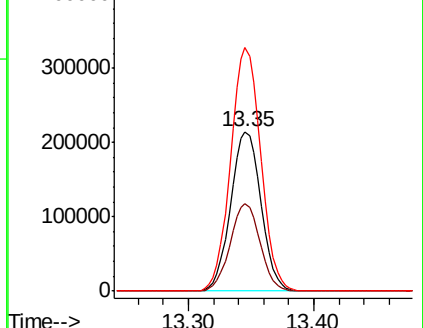
150 151.6 0.0 344.4

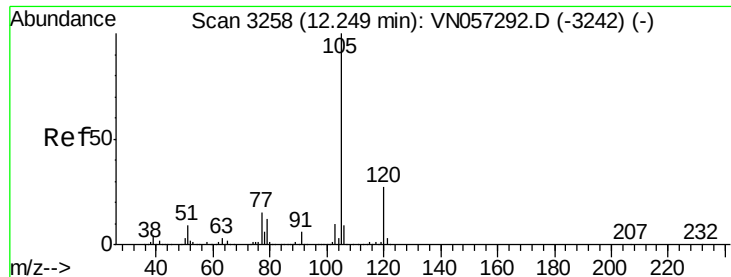


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: Below Cal

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN057369.D

Acq: 16 Aug 2019 21:37

Instrument :

MSVOA_N

ClientSampleId :

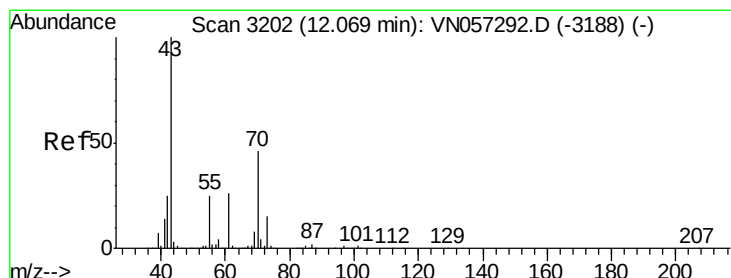
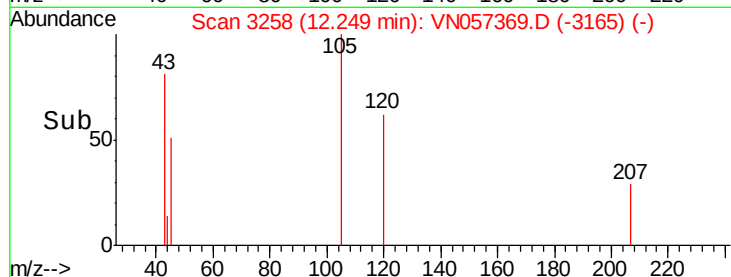
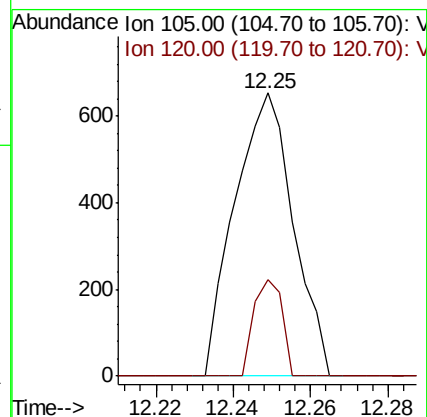
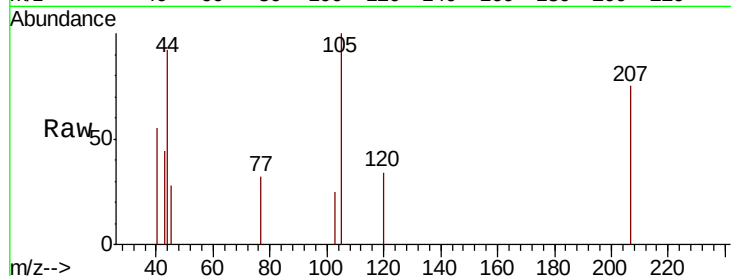
OR-02-081519

Tgt Ion: 105 Resp: 688

Ion Ratio Lower Upper

105 100

120 16.4 13.2 39.6



#74

N-ethyl acetate

Concen: 0.335 ug/l

RT: 12.03 min Scan# 3190

Delta R.T. -0.04 min

Lab File: VN057369.D

Acq: 16 Aug 2019 21:37

Tgt Ion: 43 Resp: 3496

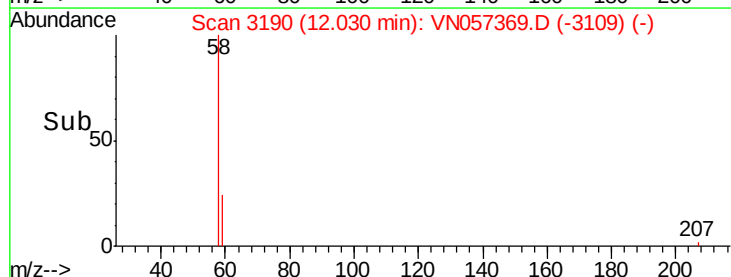
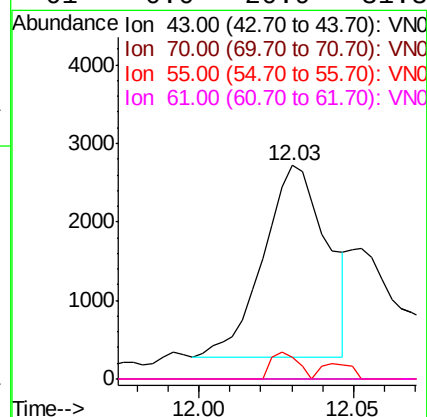
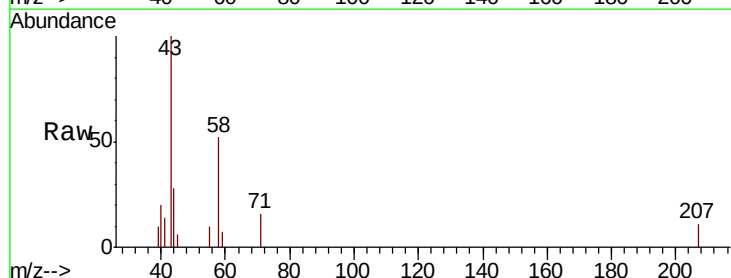
Ion Ratio Lower Upper

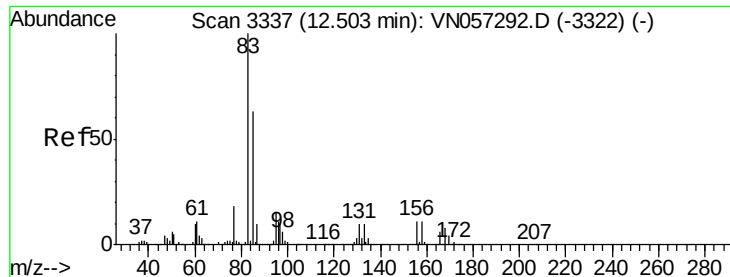
43 100

70 0.0 36.2 54.2#

55 5.9 20.1 30.1#

61 0.0 20.9 31.3#





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.40 min Scan# 3306

Delta R.T. -0.10 min

Lab File: VN057369.D

Acq: 16 Aug 2019 21:37

Instrument :

MSVOA_N

ClientSampleId :

OR-02-081519

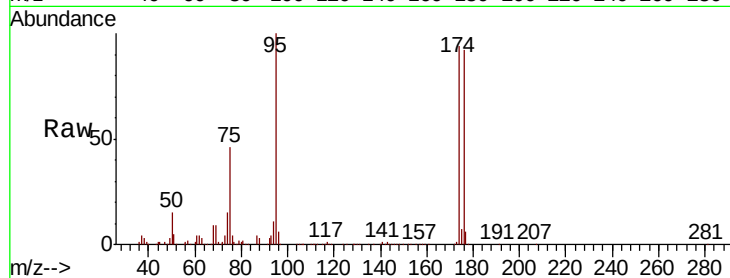
Tgt Ion: 83 Resp: 73

Ion Ratio Lower Upper

83 100

131 713.7 5.4 16.2#

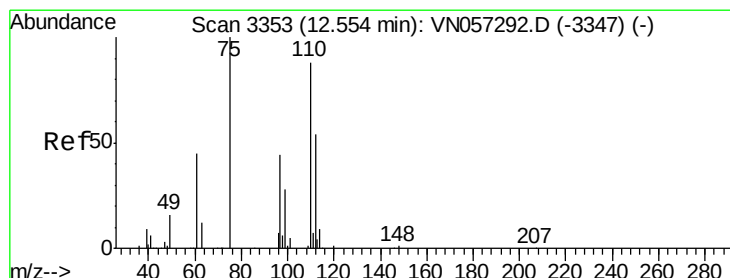
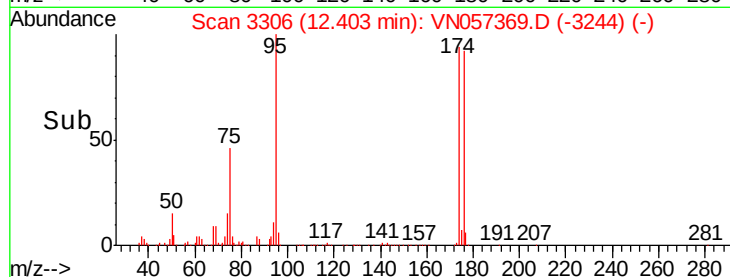
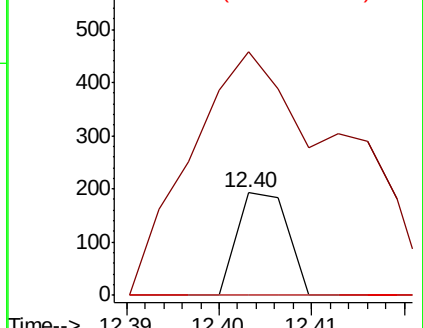
85 0.0 32.3 96.9#



Abundance Ion 82.90 (82.60 to 83.60): VNO

Ion 130.80 (130.50 to 131.50): VNO

Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 31.539 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN057369.D

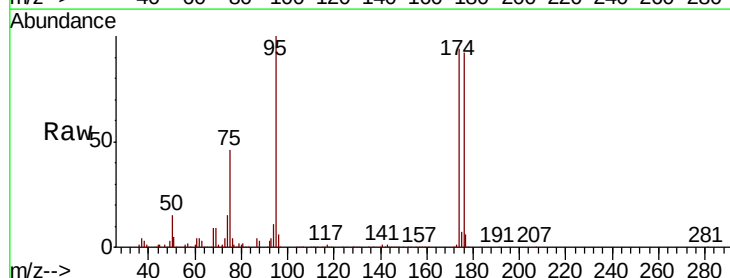
Acq: 16 Aug 2019 21:37

Tgt Ion: 75 Resp: 228151

Ion Ratio Lower Upper

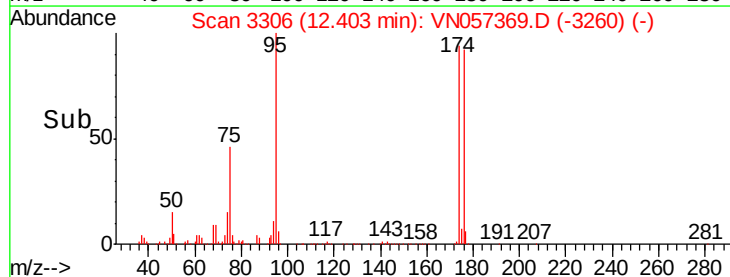
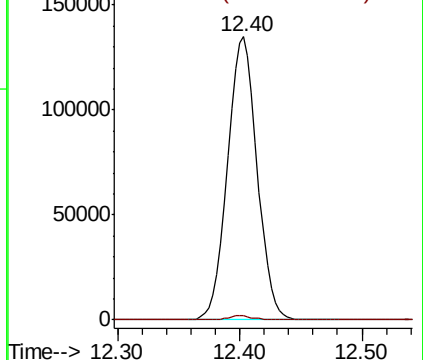
75 100

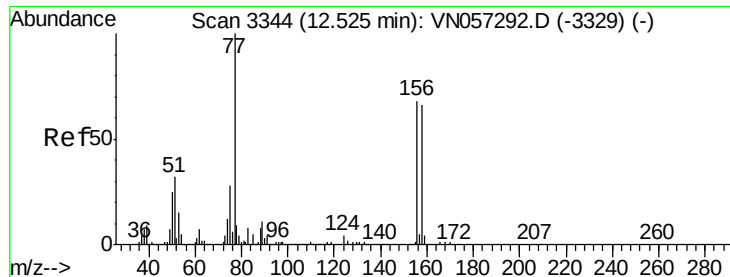
77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO





#77

Bromobenzene

Concen: Below Cal

RT: 12.41 min Scan# 3309

Delta R.T. -0.11 min

Lab File: VN057369.D

Acq: 16 Aug 2019 21:37

Instrument :

MSVOA_N

ClientSampled :

OR-02-081519

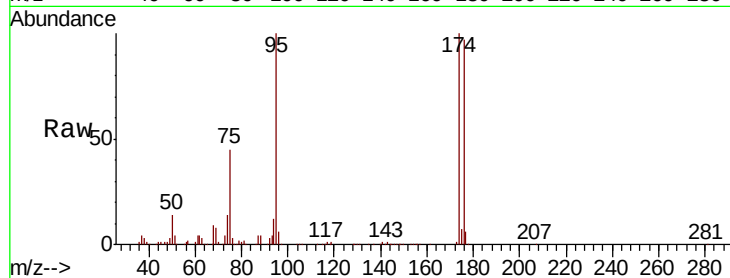
Tgt Ion:156 Resp: 60

Ion Ratio Lower Upper

156 100

77 4800.0 89.8 269.6#

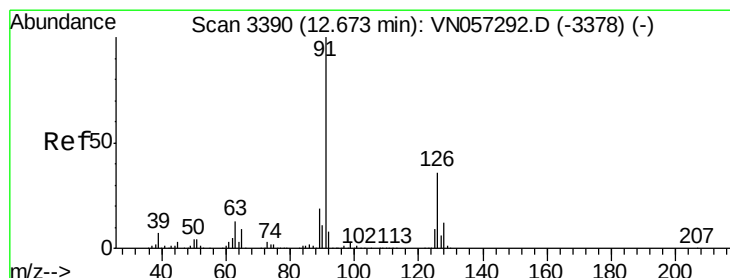
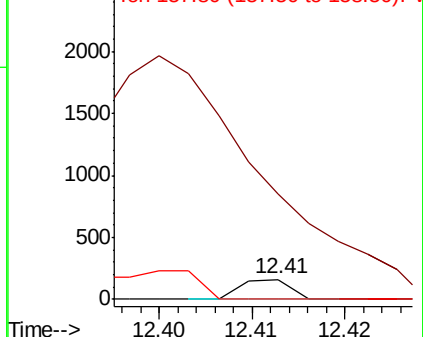
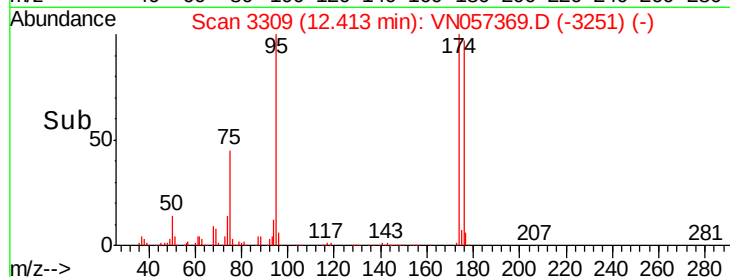
158 261.7 49.3 147.8#



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



#79

2-Chlorotoluene

Concen: Below Cal

RT: 12.67 min Scan# 3388

Delta R.T. -0.01 min

Lab File: VN057369.D

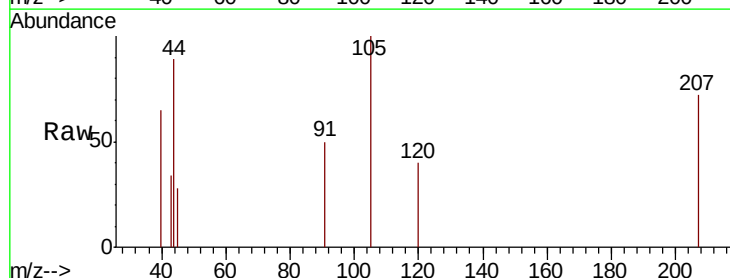
Acq: 16 Aug 2019 21:37

Tgt Ion: 91 Resp: 493

Ion Ratio Lower Upper

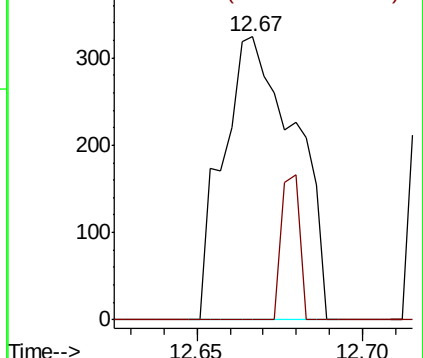
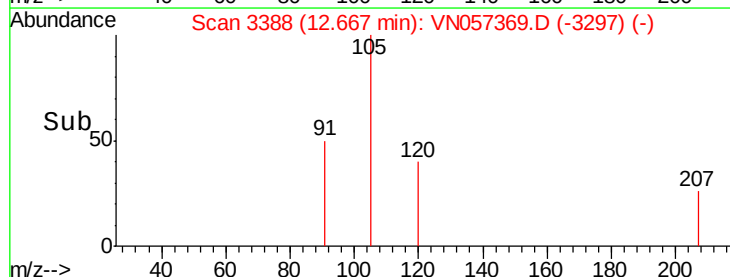
91 100

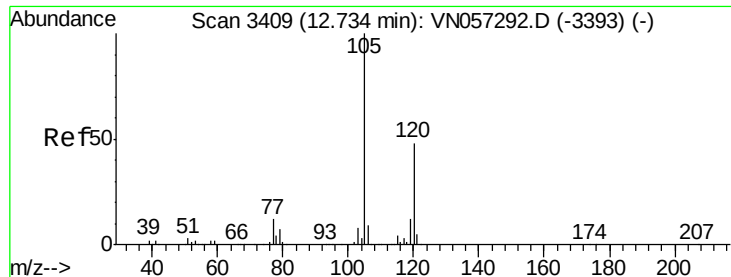
126 12.8 18.1 54.1#



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





#80

1,3,5-Trimethylbenzene

Concen: Below Cal

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN057369.D

Acq: 16 Aug 2019 21:37

Instrument :

MSVOA_N

ClientSampleId :

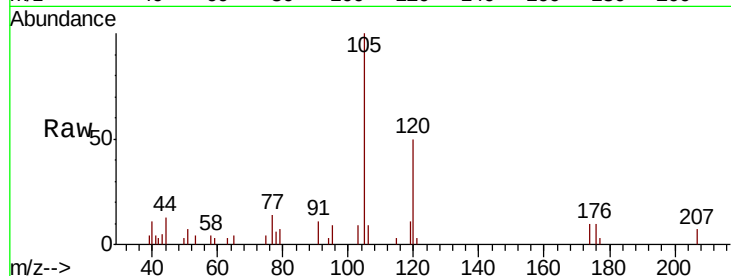
OR-02-081519

Tgt Ion:105 Resp: 9858

Ion Ratio Lower Upper

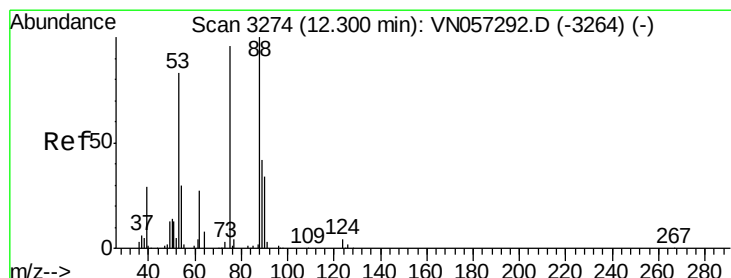
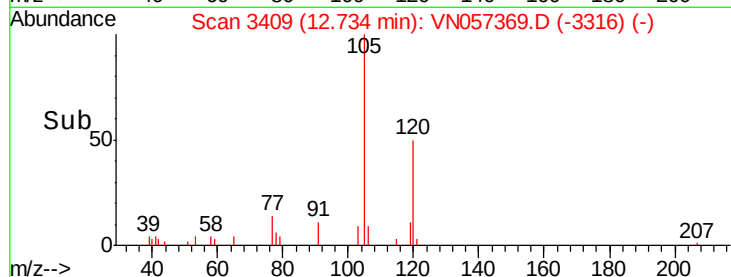
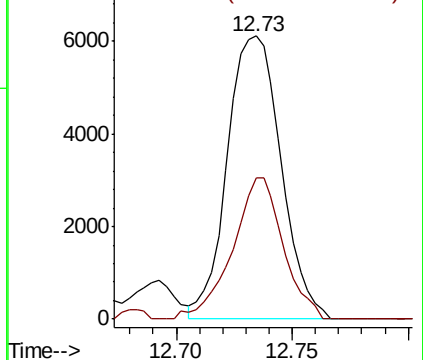
105 100

120 47.1 24.3 73.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 77.378 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN057369.D

Acq: 16 Aug 2019 21:37

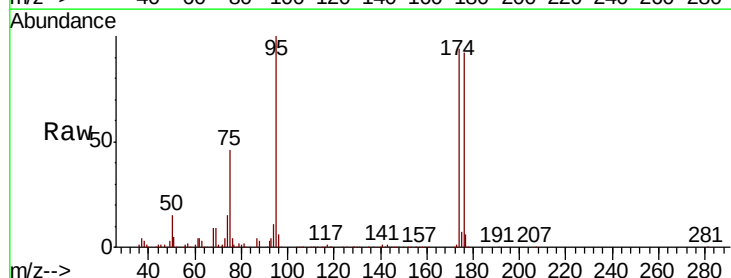
Tgt Ion: 75 Resp: 228151

Ion Ratio Lower Upper

75 100

53 0.0 67.9 101.9#

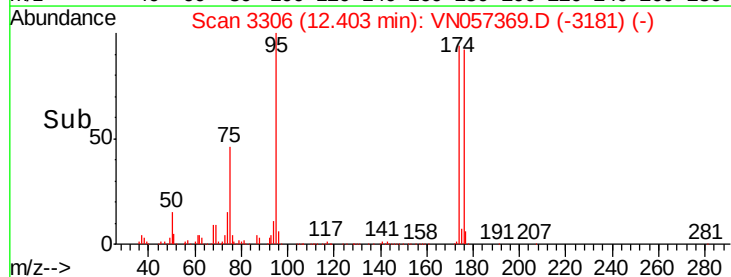
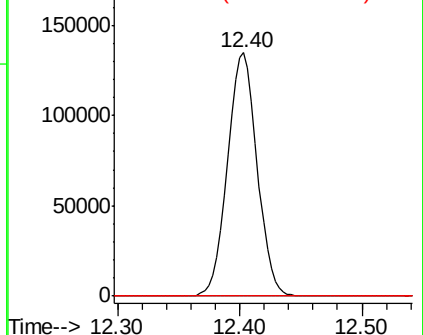
89 0.0 36.2 54.4#

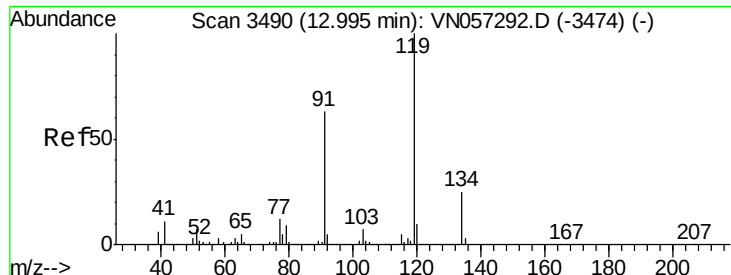


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO

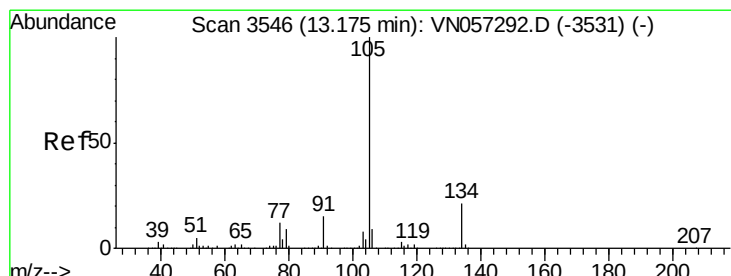
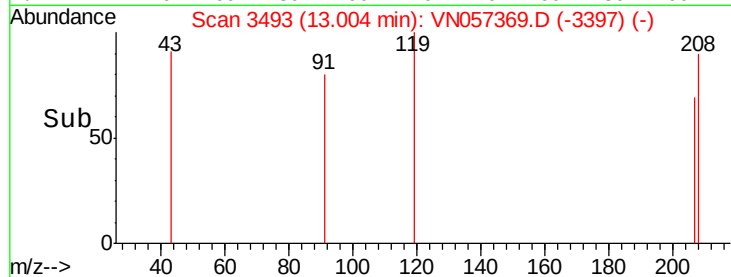
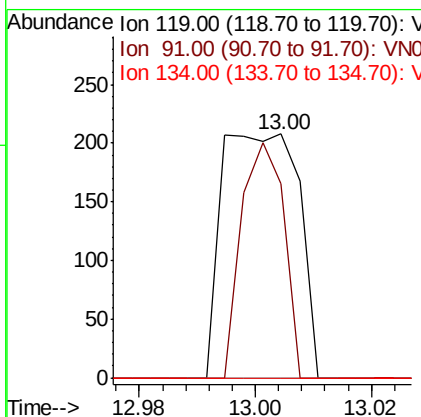
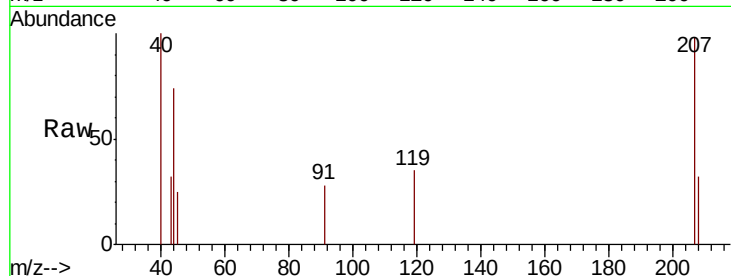




#83
 tert-Butylbenzene
 Concen: Below Cal
 RT: 13.00 min Scan# 3493
 Delta R.T. 0.01 min
 Lab File: VN057369.D
 Acq: 16 Aug 2019 21:37

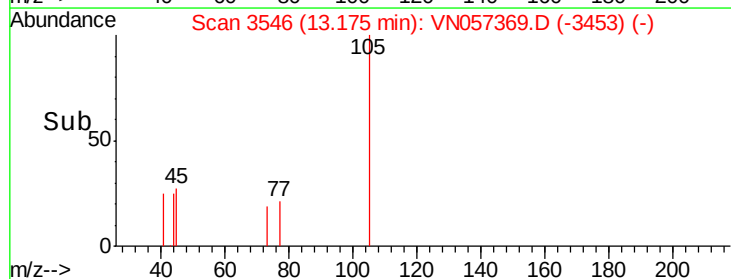
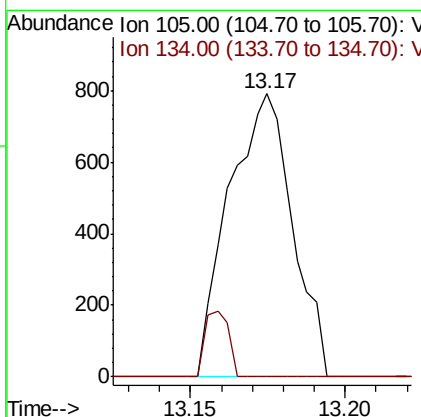
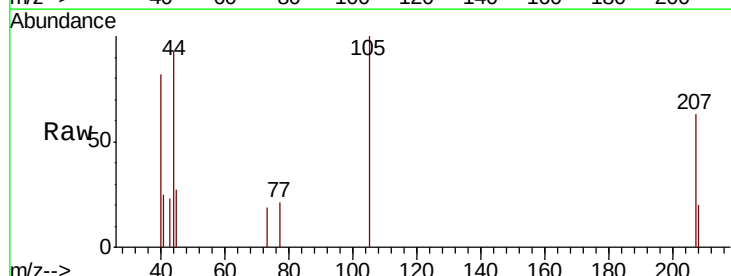
Instrument :
 MSVOA_N
 ClientSampleId :
 OR-02-081519

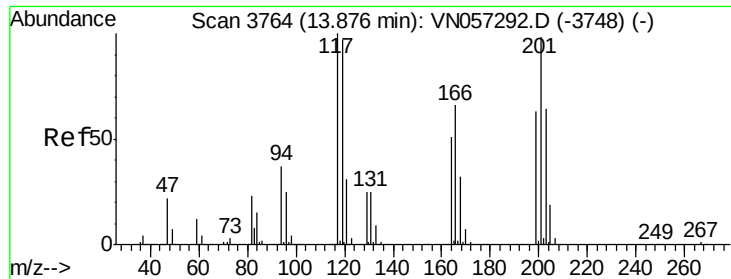
Tgt Ion: 119 Resp: 191
 Ion Ratio Lower Upper
 119 100
 91 52.9 31.3 93.8
 134 0.0 13.1 39.1#



#85
 sec-Butylbenzene
 Concen: Below Cal
 RT: 13.17 min Scan# 3546
 Delta R.T. 0.00 min
 Lab File: VN057369.D
 Acq: 16 Aug 2019 21:37

Tgt Ion: 105 Resp: 1128
 Ion Ratio Lower Upper
 105 100
 134 8.7 10.4 31.2#





#90

Hexachloroethane

Concen: Below Cal

RT: 13.90 min Scan# 3771

Delta R.T. 0.02 min

Lab File: VN057369.D

Acq: 16 Aug 2019 21:37

Instrument :

MSVOA_N

ClientSampled :

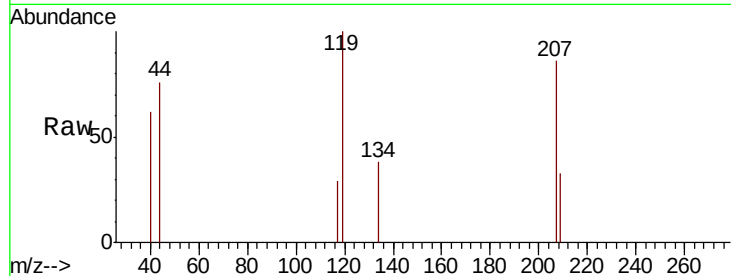
OR-02-081519

Tgt Ion:117 Resp: 115

Ion Ratio Lower Upper

117 100

201 0.0 48.4 145.0#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

13.90

250

200

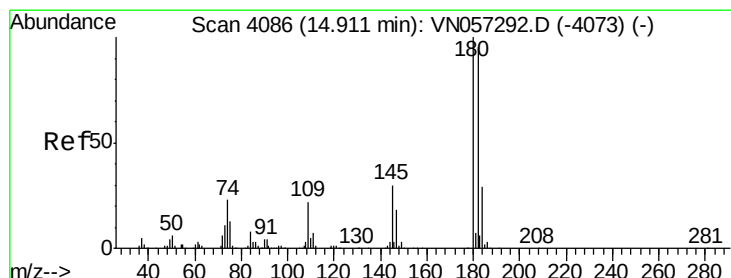
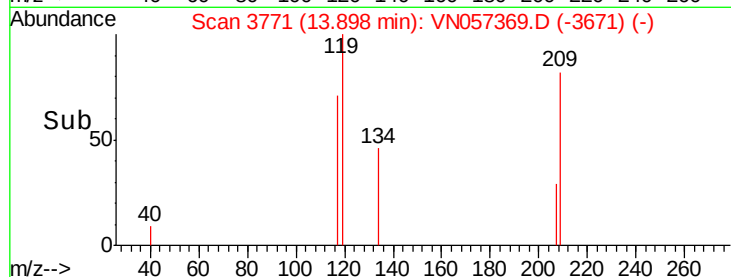
150

100

50

0

Time--> 13.88 13.89 13.90 13.91



#93

1,2,4-Trichlorobenzene

Concen: 5.435 ug/l

RT: 14.91 min Scan# 4087

Delta R.T. 0.00 min

Lab File: VN057369.D

Acq: 16 Aug 2019 21:37

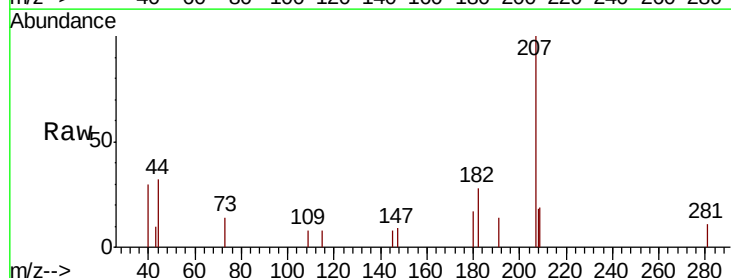
Tgt Ion:180 Resp: 418

Ion Ratio Lower Upper

180 100

182 152.4 48.0 144.2#

145 70.3 14.5 43.6#



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V

800

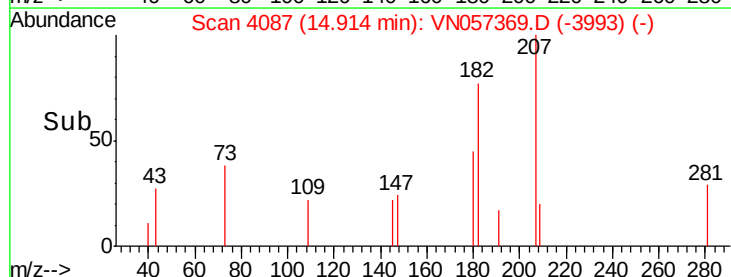
600

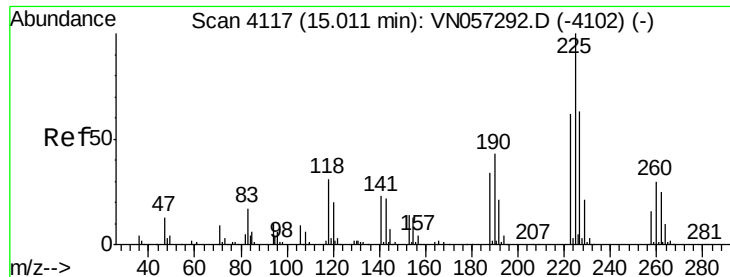
400

200

0

Time--> 14.88 14.90 14.92 14.94





#94

Hexachlorobutadiene

Concen: Below Cal

RT: 15.01 min Scan# 4116

Delta R.T. -0.00 min

Lab File: VN057369.D

Acq: 16 Aug 2019 21:37

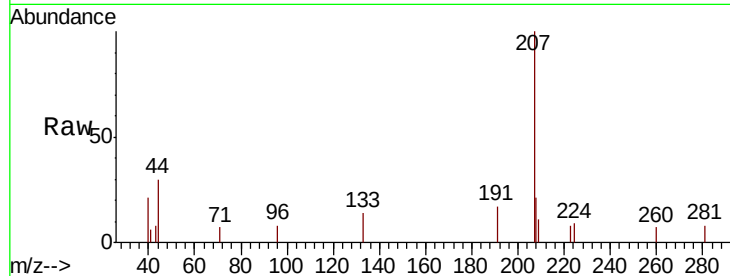
Instrument :

MSVOA_N

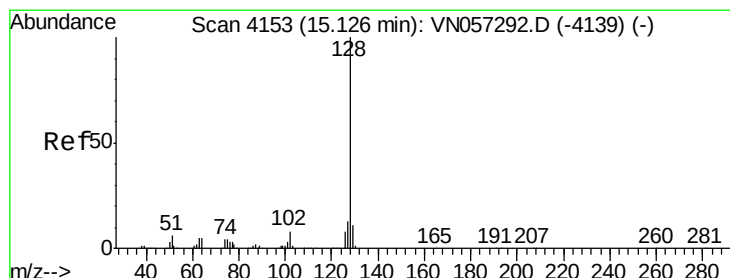
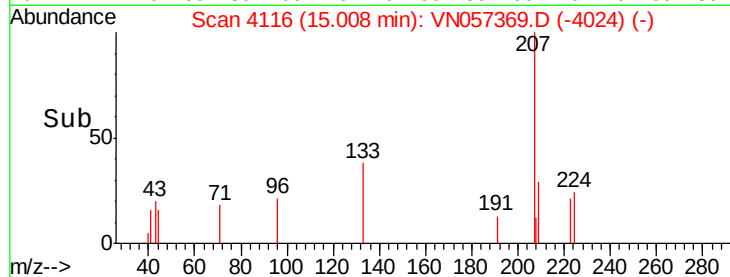
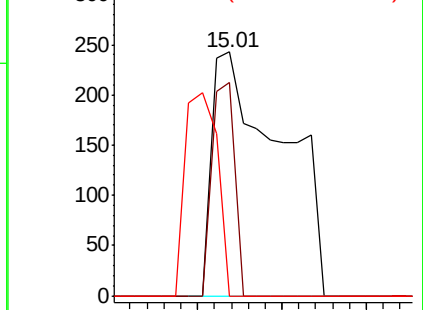
ClientSampleId :

OR-02-081519

Tgt Ion:	225	Resp:	277
Ion Ratio	Lower	Upper	
225	100		
223	28.9	30.7	92.1#
227	38.6	30.9	92.7



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: Below Cal

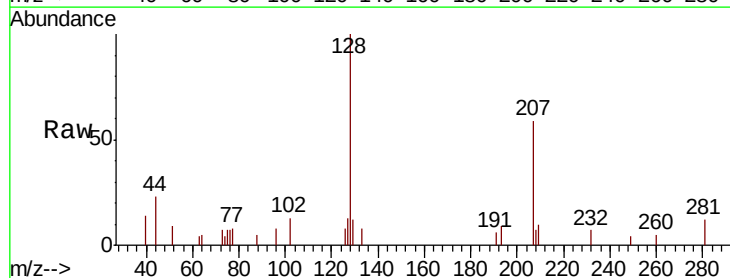
RT: 15.13 min Scan# 4153

Delta R.T. 0.00 min

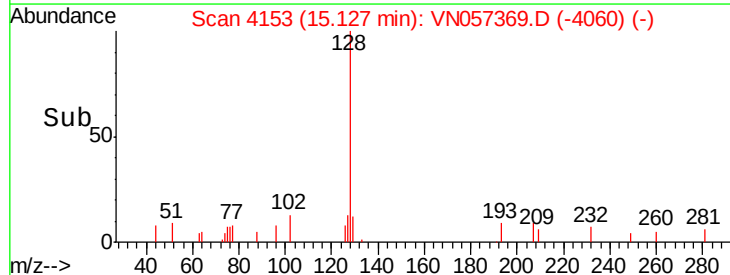
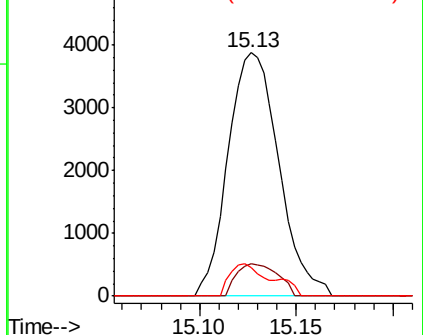
Lab File: VN057369.D

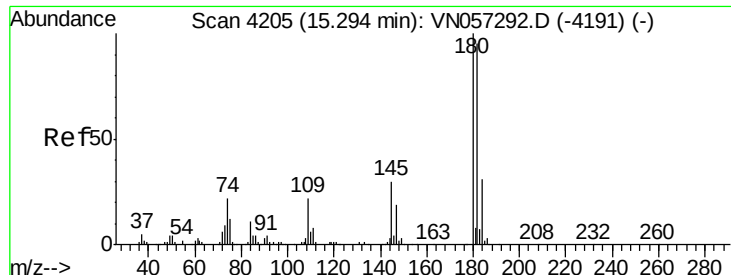
Acq: 16 Aug 2019 21:37

Tgt Ion:	128	Resp:	7074
Ion Ratio	Lower	Upper	
128	100		
127	10.8	10.5	15.7
129	10.8	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: Below Cal
 RT: 15.29 min Scan# 4204
 Delta R.T. -0.00 min
 Lab File: VN057369.D
 Acq: 16 Aug 2019 21:37

Instrument :
 MSVOA_N
 ClientSampleId :
 OR-02-081519

Tgt Ion	Ratio	Lower	Upper
180	100		
182	138.3	47.9	143.6
145	23.2	15.1	45.3

