

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN081819\
 Data File : VN057368.D
 Acq On : 16 Aug 2019 21:12
 Operator : JC/SP
 Sample : K4371-01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VNJ-222

Quant Time: Aug 17 03:46:32 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	1132619	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1581247	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1324414	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	347835	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.02	65	524729	42.62	ug/l	0.00
Spiked Amount			Recovery	=	85.24%	
35) Dibromofluoromethane	7.58	113	469381	45.28	ug/l	0.00
Spiked Amount			Recovery	=	90.56%	
50) Toluene-d8	10.09	98	1841737	48.58	ug/l	0.00
Spiked Amount			Recovery	=	97.16%	
62) 4-Bromofluorobenzene	12.40	95	488718	36.48	ug/l	0.00
Spiked Amount			Recovery	=	72.96%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.75	59	1533	0.876	ug/l #	73
14) Allyl chloride	4.54	41	8676	0.545	ug/l #	27
16) Acetone	3.82	43	13159	3.081	ug/l #	82
18) Methyl Acetate	4.33	43	18643	Below Cal	#	89
20) Methylene Chloride	4.54	84	270491	22.634	ug/l	97
25) 2-Butanone	6.83	43	1430	0.231	ug/l #	81
30) Chloroform	7.36	83	9320	0.459	ug/l	94
31) Cyclohexane	7.66	56	16784	1.000	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	65517	4.693	ug/l #	48
38) Carbon Tetrachloride	7.66	117	97288	6.707	ug/l #	16
43) Isopropyl Acetate	8.16	43	211132	9.175	ug/l #	83
45) 1,2-Dichloropropane	9.27	63	3425	0.311	ug/l #	44
47) Bromodichloromethane	9.39	83	3051	0.210	ug/l #	67
48) Methyl methacrylate	9.18	41	6870	0.730	ug/l #	11
49) 1,4-Dioxane	9.26	88	322	1.626	ug/l #	1
51) 4-Methyl-2-Pentanone	9.98	43	9459	0.802	ug/l	91
54) cis-1,3-Dichloropropene	9.90	75	75376	4.344	ug/l #	60
55) 1,1,2-Trichloroethane	10.53	97	2575	0.246	ug/l #	15
57) 1,3-Dichloropropane	10.76	76	11914	0.682	ug/l #	43
59) 2-Hexanone	10.76	43	147329	17.372	ug/l #	51
71) Bromoform	12.40	173	2136	0.262	ug/l #	1
73) Isopropylbenzene	12.25	105	717	Below Cal	#	49
74) N-amyl acetate	12.03	43	6586	0.653	ug/l #	46
75) 1,1,2,2-Tetrachloroethane	12.56	83	568	Below Cal	#	26
76) 1,2,3-Trichloropropane	12.40	75	223095	31.898	ug/l #	100
79) 2-Chlorotoluene	12.67	91	820	Below Cal	#	39
80) 1,3,5-Trimethylbenzene	12.73	105	11854	Below Cal		96
81) trans-1,4-Dichloro-2-buten	12.40	75	223095	78.209	ug/l #	15
83) tert-Butylbenzene	13.00	119	754	Below Cal	#	60
85) sec-Butylbenzene	13.17	105	1993	Below Cal	#	74
90) Hexachloroethane	13.89	117	152	Below Cal	#	1
93) 1,2,4-Trichlorobenzene	14.91	180	583	5.470	ug/l #	64
94) Hexachlorobutadiene	15.01	225	272	Below Cal		72
95) Naphthalene	15.12	128	3843	Below Cal	#	80

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Response via : Initial Calibration

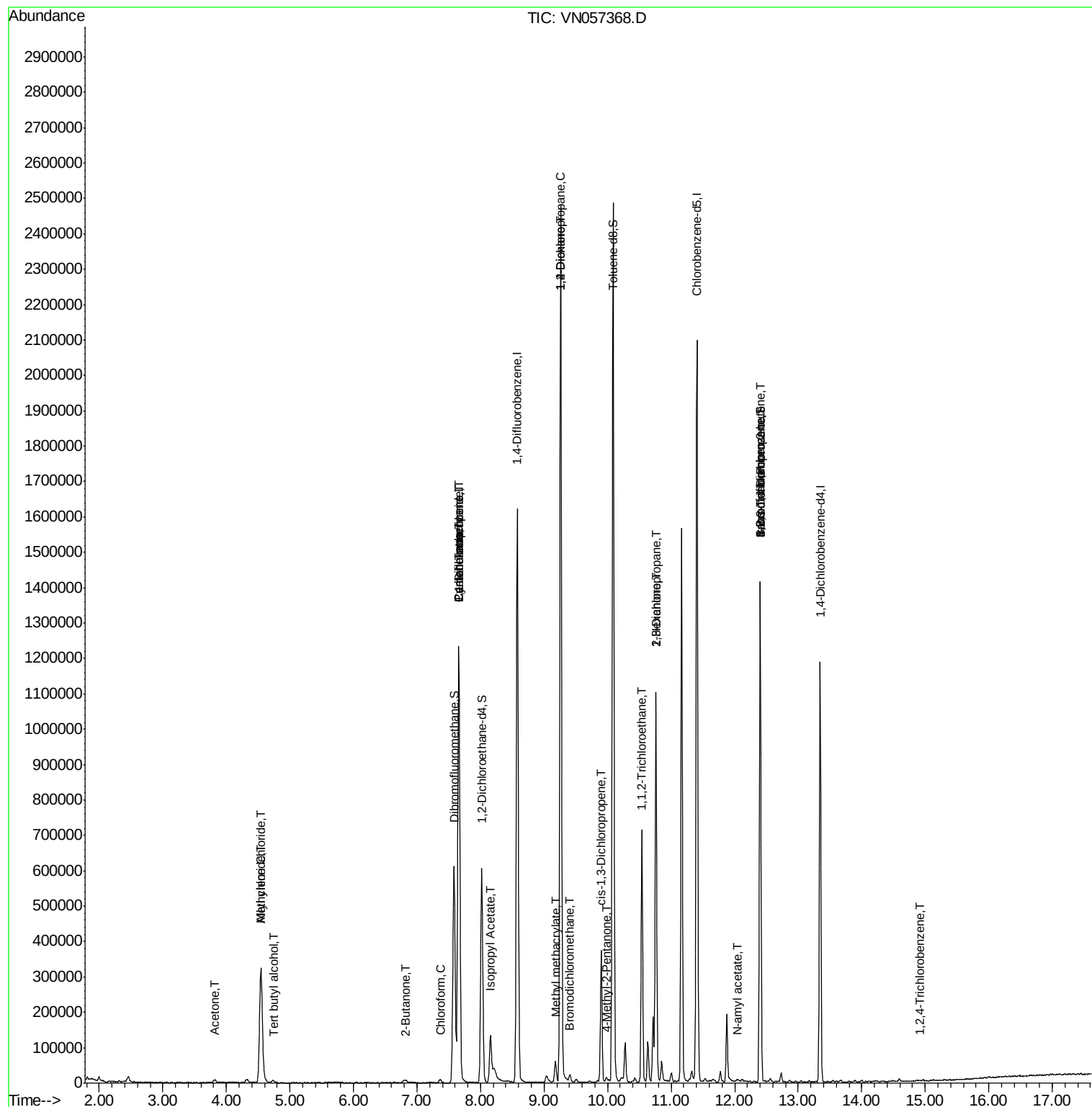
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
96) 1,2,3-Trichlorobenzene	15.30	180	793	Below Cal		69

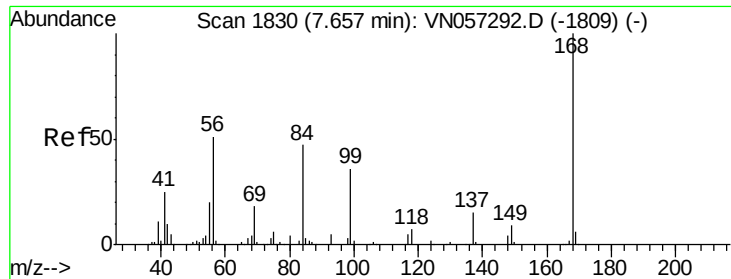
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN081819\
Data File : VN057368.D
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN057368.D

Acq: 16 Aug 2019 21:12

Instrument :

MSVOA_N

ClientSampled :

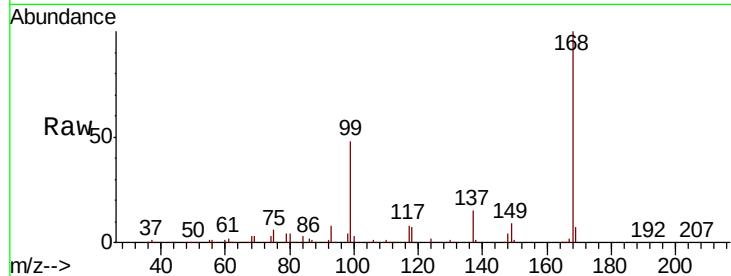
VNJ-222

Tgt Ion:168 Resp: 1132619

Ion Ratio Lower Upper

168 100

99 48.3 39.4 59.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.66

500000

400000

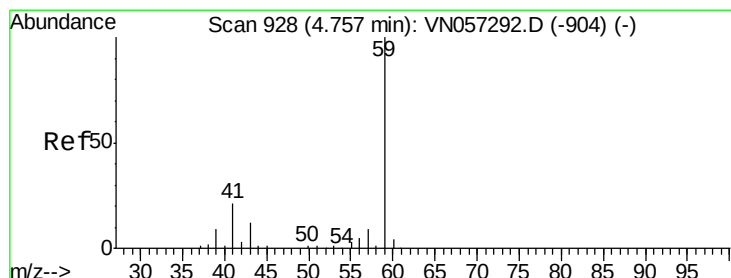
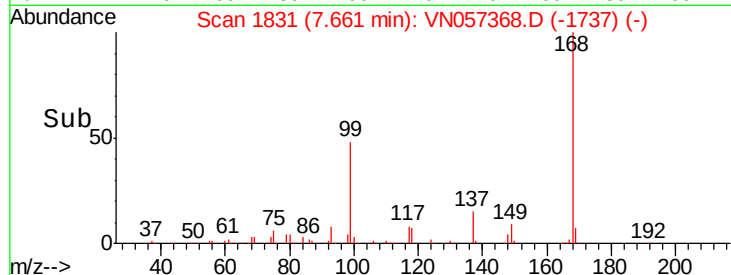
300000

200000

100000

0

Time-->



#11

Tert butyl alcohol

Concen: 0.876 ug/l

RT: 4.75 min Scan# 925

Delta R.T. -0.01 min

Lab File: VN057368.D

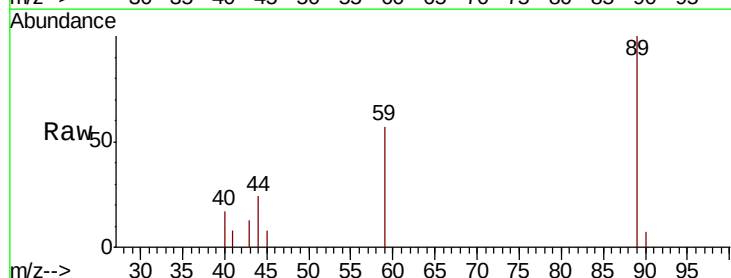
Acq: 16 Aug 2019 21:12

Tgt Ion: 59 Resp: 1533

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VNO

Ion 57.00 (56.70 to 57.70): VNO

4.75

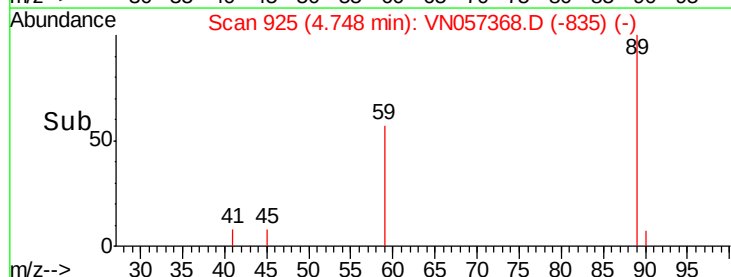
1500

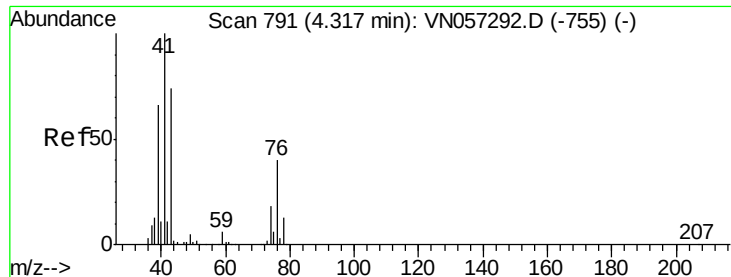
1000

500

0

Time-->





#14

Allyl chloride

Concen: 0.545 ug/l

RT: 4.54 min Scan# 860

Delta R.T. 0.22 min

Lab File: VN057368.D

Acq: 16 Aug 2019 21:12

Instrument :

MSVOA_N

ClientSampled :

VNJ-222

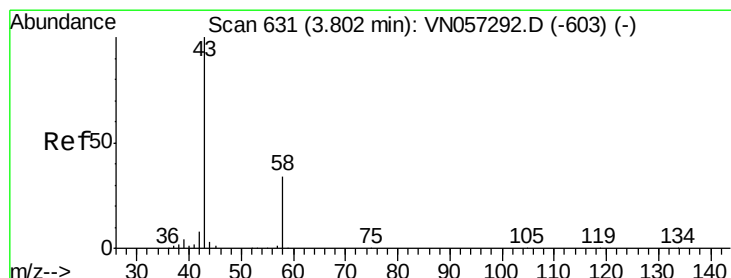
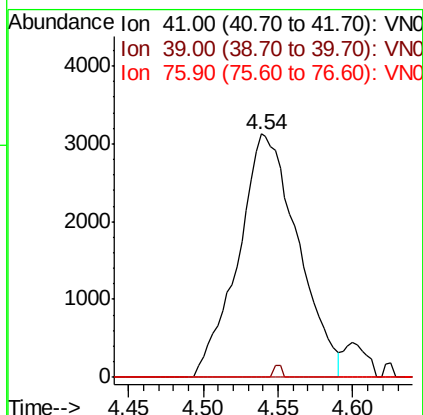
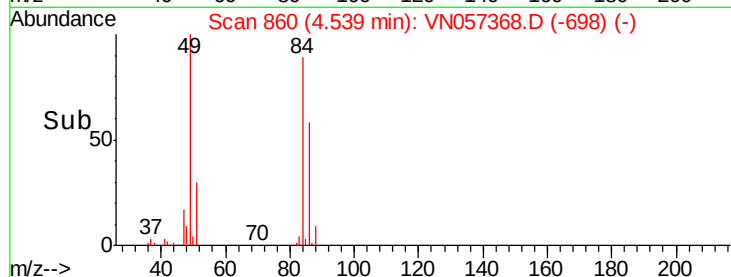
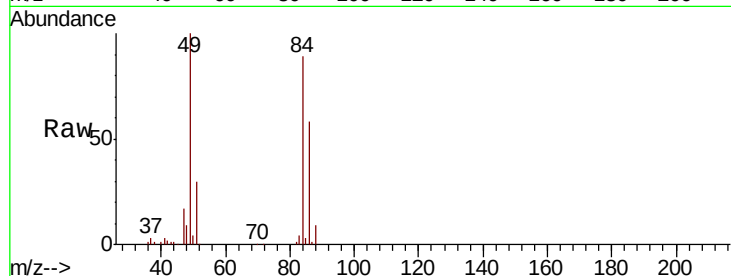
Tgt Ion: 41 Resp: 8676

Ion Ratio Lower Upper

41 100

39 0.7 49.0 73.6#

76 0.0 29.0 43.4#



#16

Acetone

Concen: 3.081 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.02 min

Lab File: VN057368.D

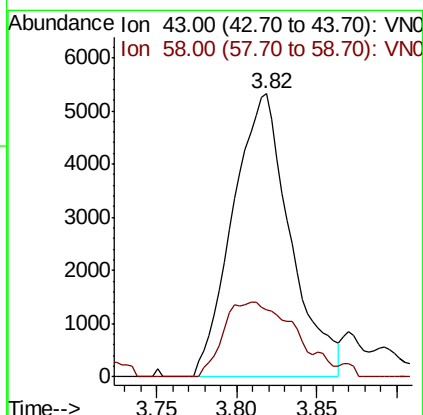
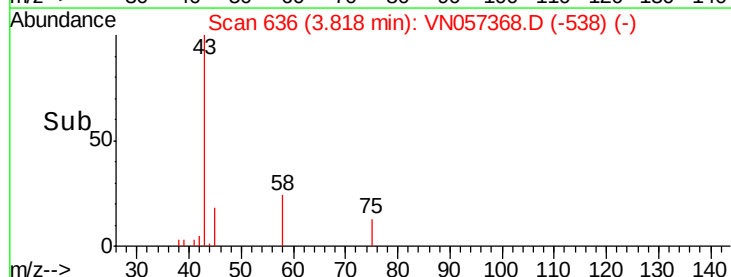
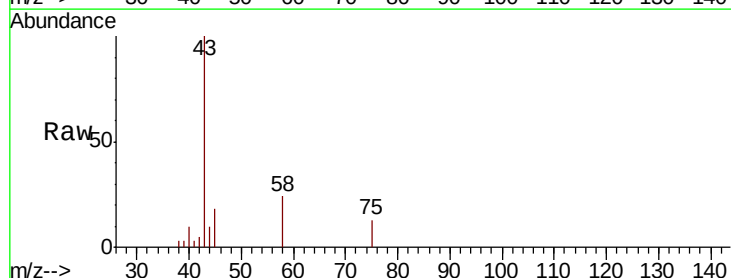
Acq: 16 Aug 2019 21:12

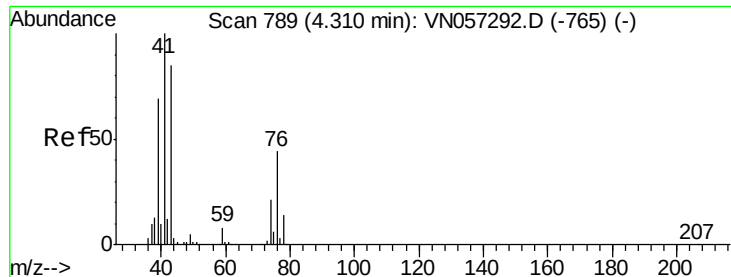
Tgt Ion: 43 Resp: 13159

Ion Ratio Lower Upper

43 100

58 23.5 27.0 40.6#

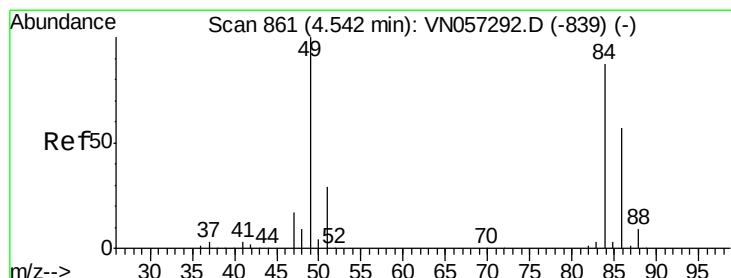
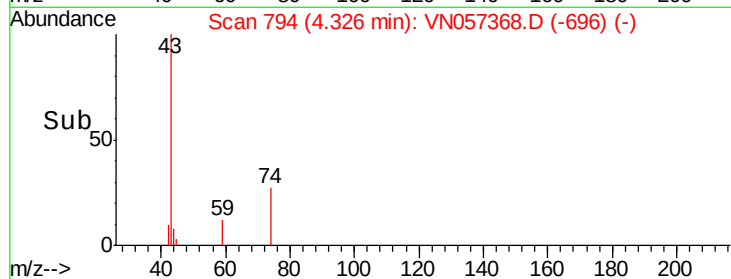
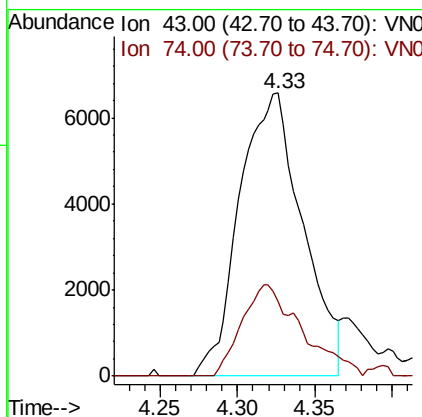
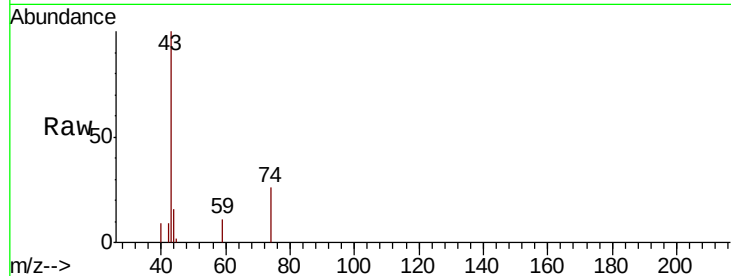




#18
Methyl Acetate
Concen: Below Cal
RT: 4.33 min Scan# 794
Delta R.T. 0.02 min
Lab File: VN057368.D
Acq: 16 Aug 2019 21:12

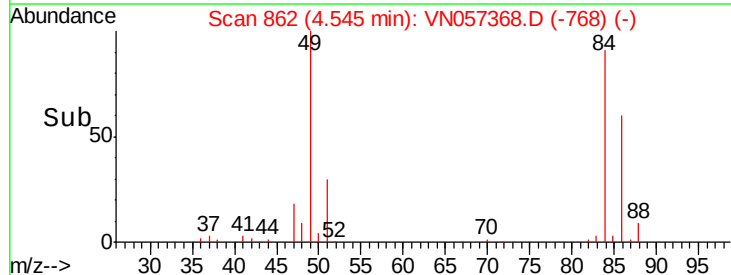
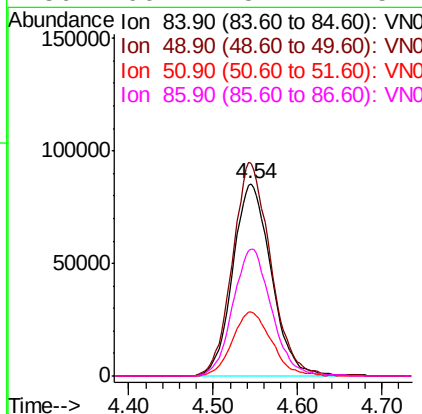
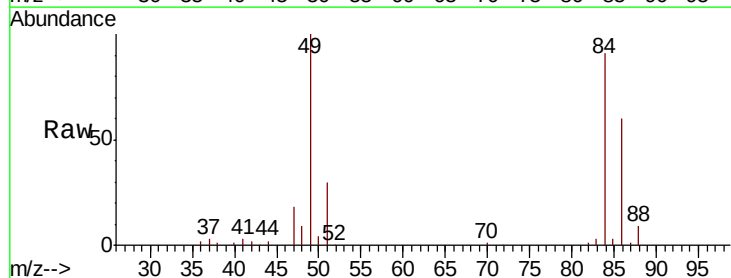
Instrument :
MSVOA_N
ClientSampleId :
VNJ-222

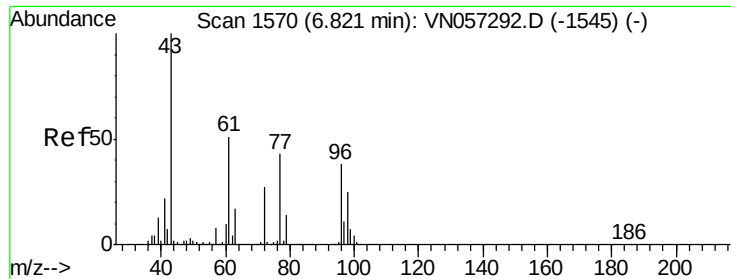
Tgt Ion: 43 Resp: 18643
Ion Ratio Lower Upper
43 100
74 30.7 20.2 30.2#



#20
Methylene Chloride
Concen: 22.634 ug/l
RT: 4.54 min Scan# 862
Delta R.T. 0.00 min
Lab File: VN057368.D
Acq: 16 Aug 2019 21:12

Tgt Ion: 84 Resp: 270491
Ion Ratio Lower Upper
84 100
49 110.3 92.0 138.0
51 33.6 27.1 40.7
86 66.2 52.2 78.2

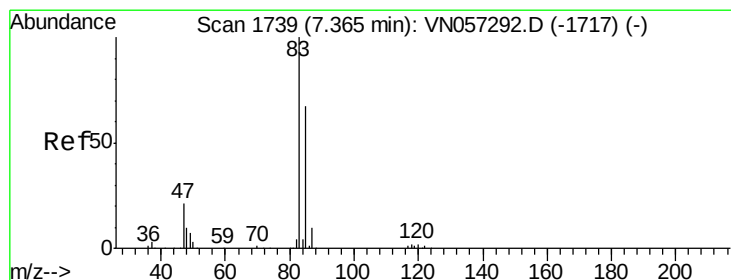
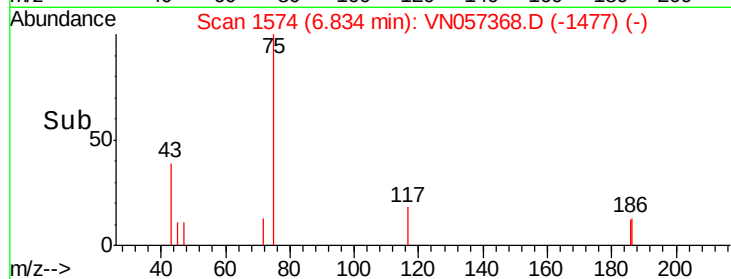
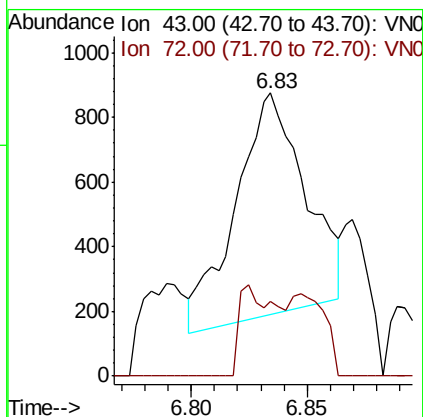
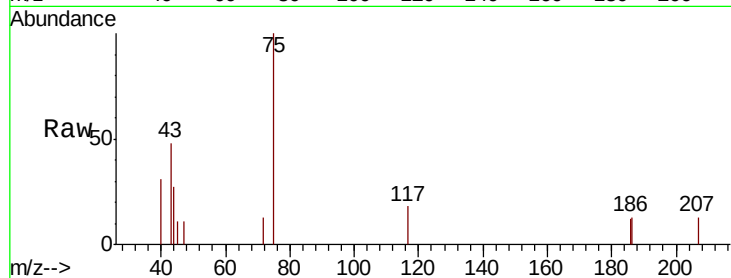




#25
2-Butanone
Concen: 0.231 ug/l
RT: 6.83 min Scan# 1574
Delta R.T. 0.01 min
Lab File: VN057368.D
Acq: 16 Aug 2019 21:12

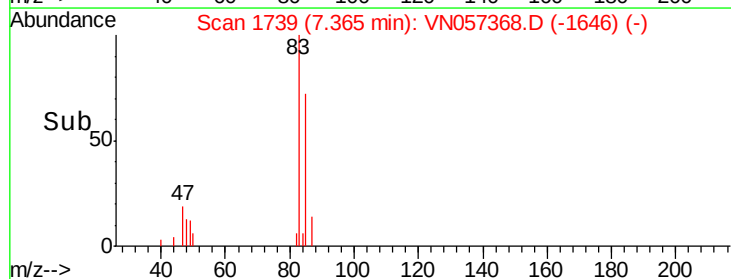
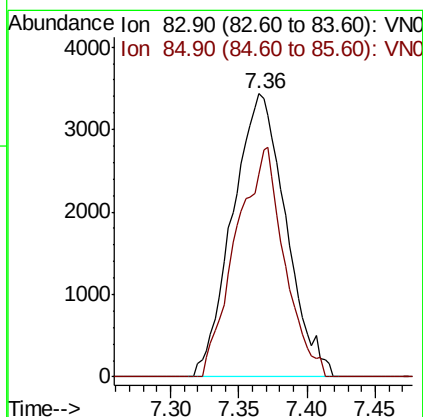
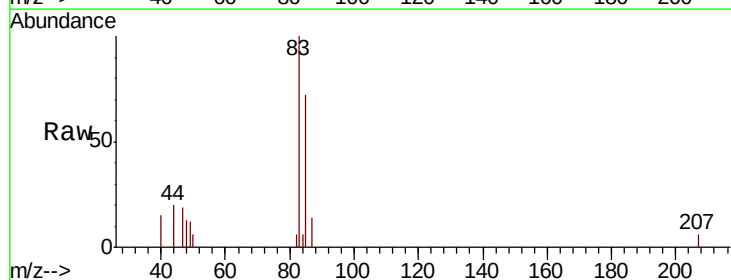
Instrument :
MSVOA_N
ClientSampled :
VNJ-222

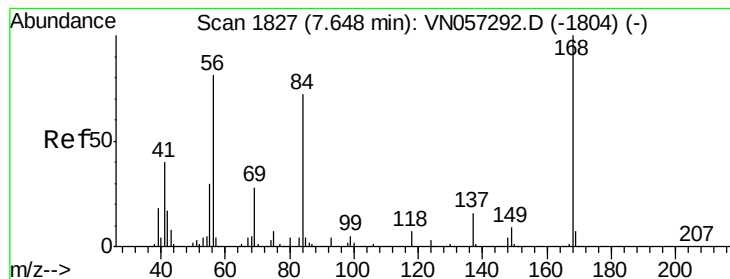
Tgt Ion: 43 Resp: 1430
Ion Ratio Lower Upper
43 100
72 36.5 21.5 32.3#



#30
Chloroform
Concen: 0.459 ug/l
RT: 7.36 min Scan# 1739
Delta R.T. 0.00 min
Lab File: VN057368.D
Acq: 16 Aug 2019 21:12

Tgt Ion: 83 Resp: 9320
Ion Ratio Lower Upper
83 100
85 71.6 53.3 79.9





#31

Cyclohexane

Concen: 1.000 ug/l

RT: 7.66 min Scan# 1831

Delta R.T. 0.01 min

Lab File: VN057368.D

Acq: 16 Aug 2019 21:12

Instrument :

MSVOA_N

ClientSampled :

VNJ-222

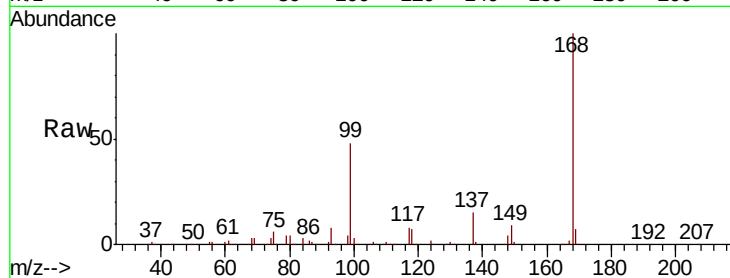
Tgt Ion: 56 Resp: 16784

Ion Ratio Lower Upper

56 100

69 184.0 27.3 40.9#

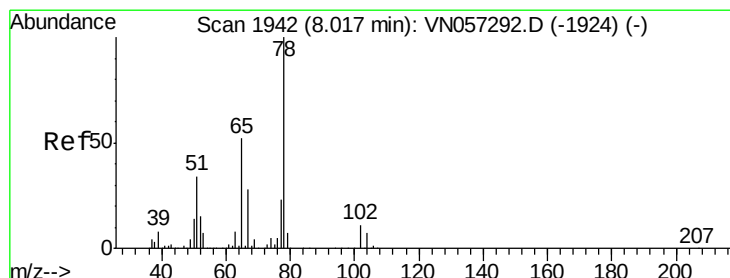
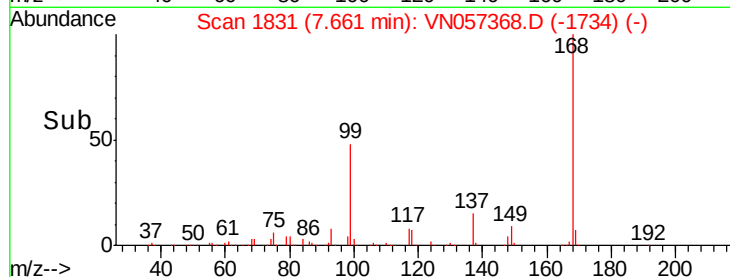
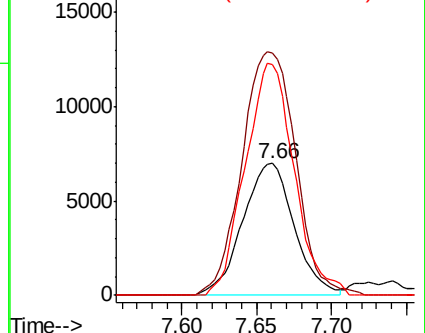
84 174.6 71.0 106.6#



Abundance Ion 56.00 (55.70 to 56.70): VNC

Ion 69.00 (68.70 to 69.70): VNC

Ion 84.00 (83.70 to 84.70): VNC



#33

1,2-Dichloroethane-d4

Concen: 42.617 ug/l

RT: 8.02 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VN057368.D

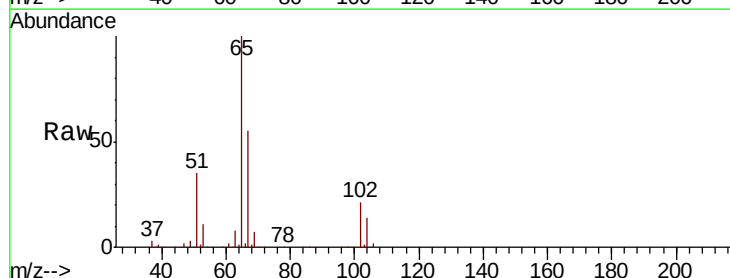
Acq: 16 Aug 2019 21:12

Tgt Ion: 65 Resp: 524729

Ion Ratio Lower Upper

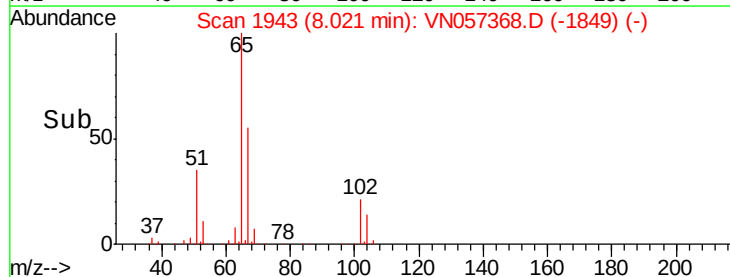
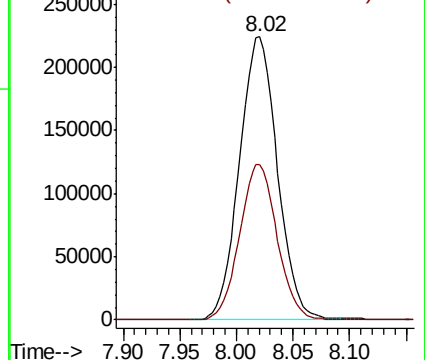
65 100

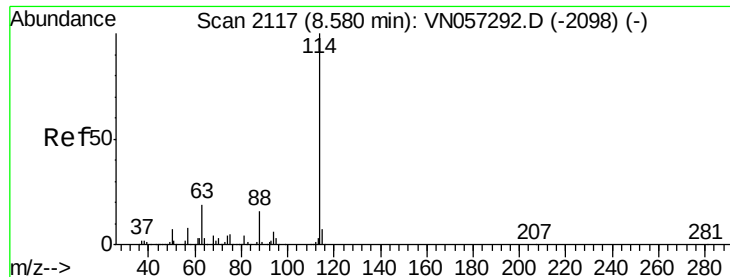
67 54.3 0.0 107.4



Abundance Ion 64.90 (64.60 to 65.60): VNC

Ion 66.90 (66.60 to 67.60): VNC

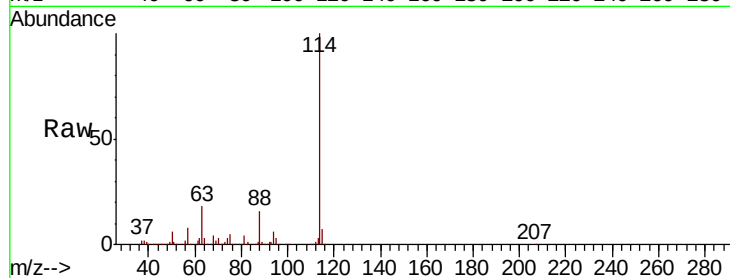




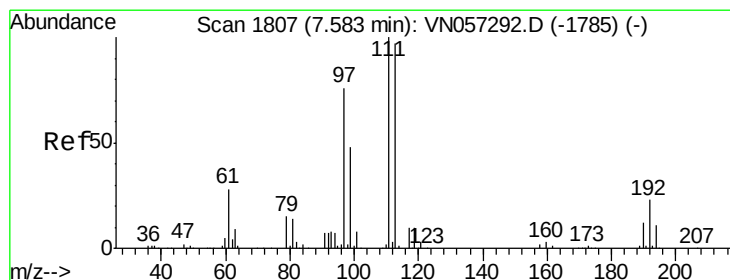
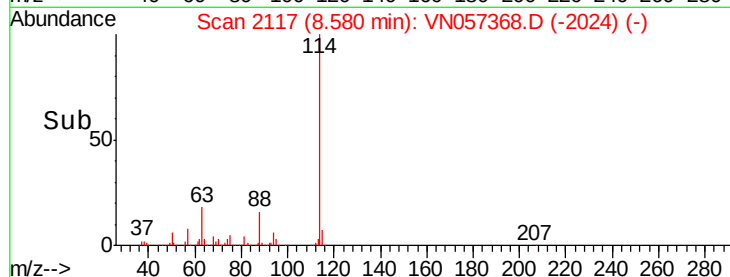
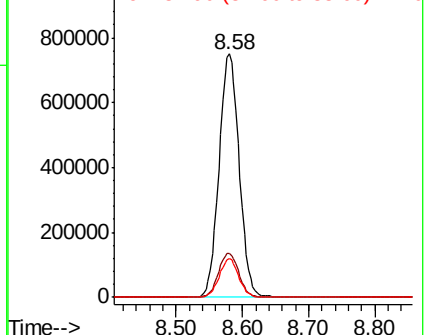
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2117
 Delta R.T. 0.00 min
 Lab File: VN057368.D
 Acq: 16 Aug 2019 21:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VNJ-222

Tgt Ion:114 Resp: 1581247
 Ion Ratio Lower Upper
 114 100
 63 18.0 0.0 38.8
 88 15.8 0.0 31.4

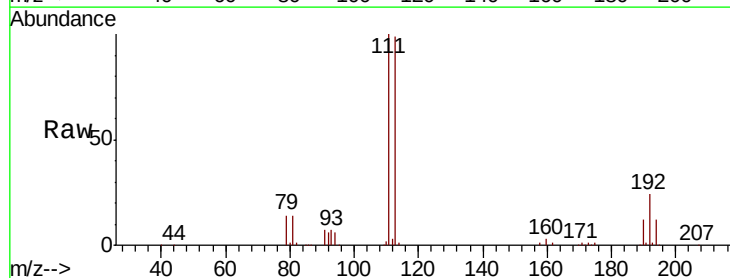


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

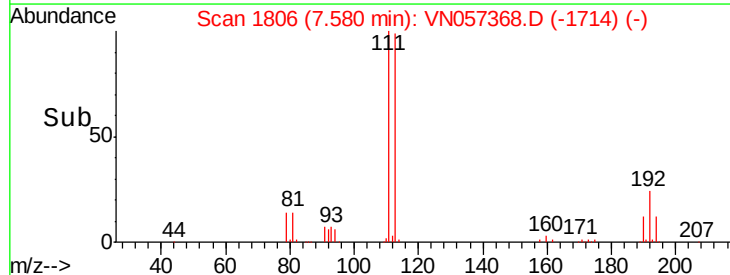
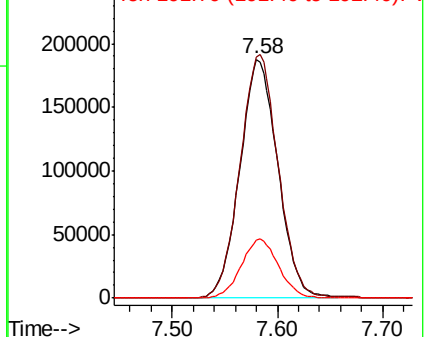


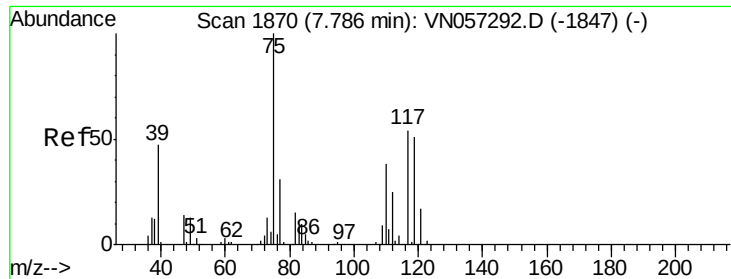
#35
 Dibromofluoromethane
 Concen: 45.283 ug/l
 RT: 7.58 min Scan# 1806
 Delta R.T. -0.00 min
 Lab File: VN057368.D
 Acq: 16 Aug 2019 21:12

Tgt Ion:113 Resp: 469381
 Ion Ratio Lower Upper
 113 100
 111 103.1 82.1 123.1
 192 24.4 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

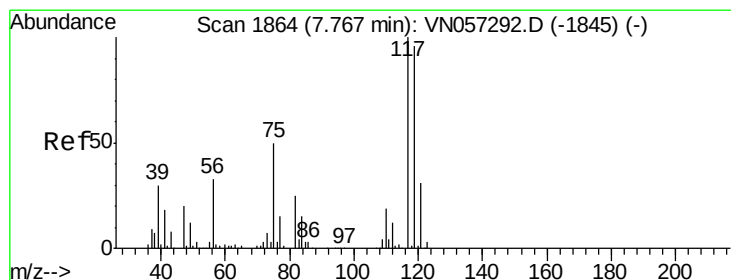
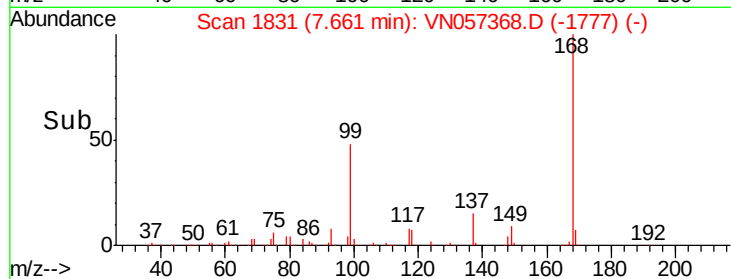
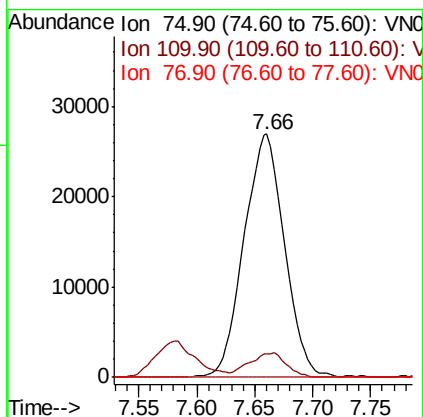
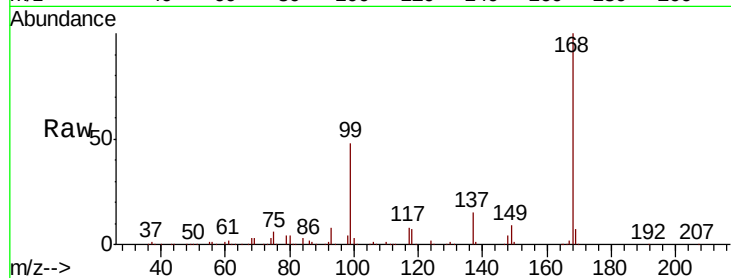




#36
 1,1-Dichloropropene
 Concen: 4.693 ug/l
 RT: 7.66 min Scan# 1831
 Delta R.T. -0.13 min
 Lab File: VN057368.D
 Acq: 16 Aug 2019 21:12

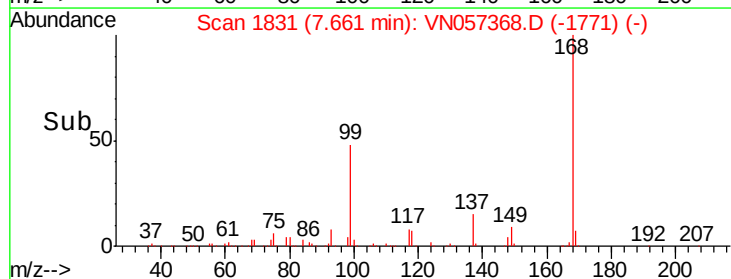
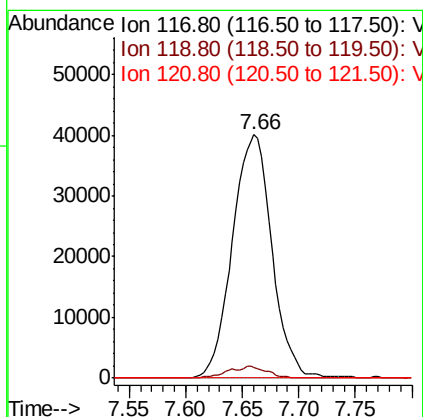
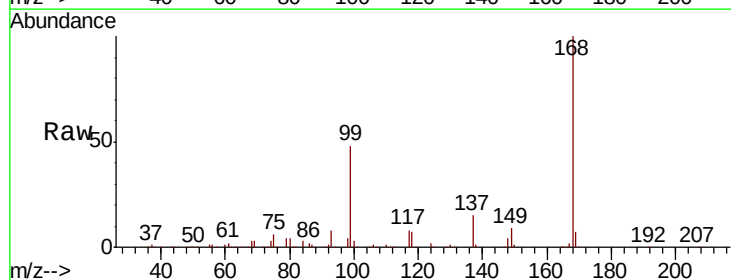
Instrument :
 MSVOA_N
 ClientSampled :
 VNJ-222

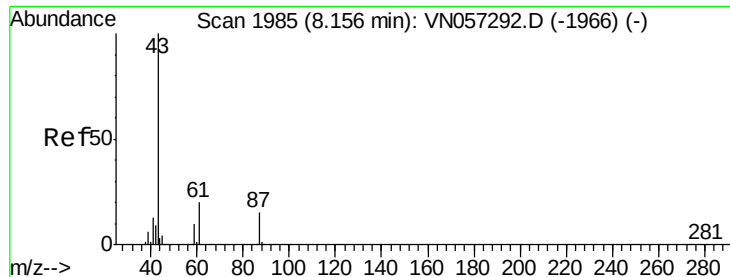
Tgt Ion: 75 Resp: 65517
 Ion Ratio Lower Upper
 75 100
 110 9.2 19.5 58.5#
 77 0.0 25.0 37.6#



#38
 Carbon Tetrachloride
 Concen: 6.707 ug/l
 RT: 7.66 min Scan# 1831
 Delta R.T. -0.11 min
 Lab File: VN057368.D
 Acq: 16 Aug 2019 21:12

Tgt Ion: 117 Resp: 97288
 Ion Ratio Lower Upper
 117 100
 119 4.6 76.8 115.2#
 121 0.0 25.0 37.4#





#43

Isopropyl Acetate

Concen: 9.175 ug/l

RT: 8.16 min Scan# 1985

Delta R.T. 0.00 min

Lab File: VN057368.D

Acq: 16 Aug 2019 21:12

Instrument :

MSVOA_N

ClientSampleId :

VNJ-222

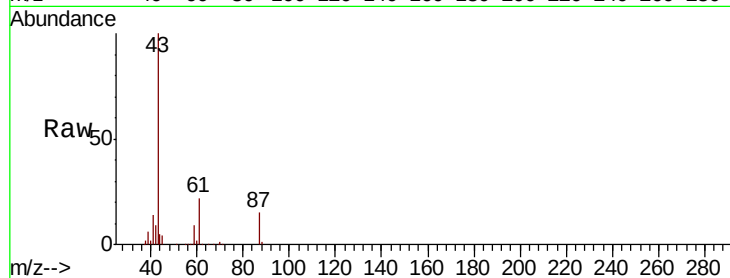
Tgt Ion: 43 Resp: 211132

Ion Ratio Lower Upper

43 100

61 15.8 21.6 32.4#

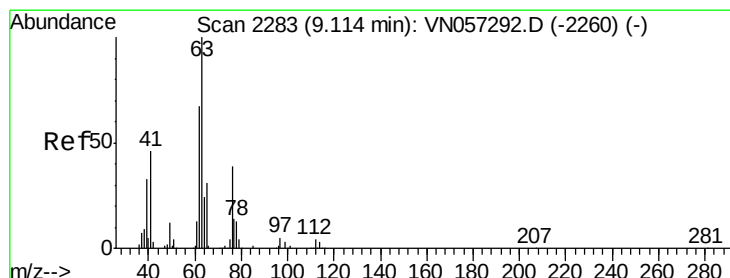
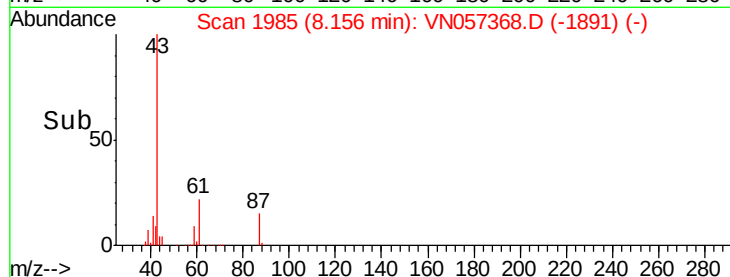
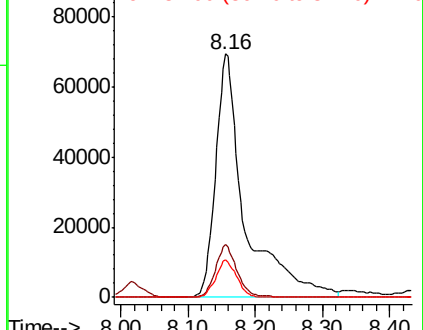
87 10.7 11.4 17.0#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#45

1,2-Dichloropropane

Concen: 0.311 ug/l

RT: 9.27 min Scan# 2330

Delta R.T. 0.15 min

Lab File: VN057368.D

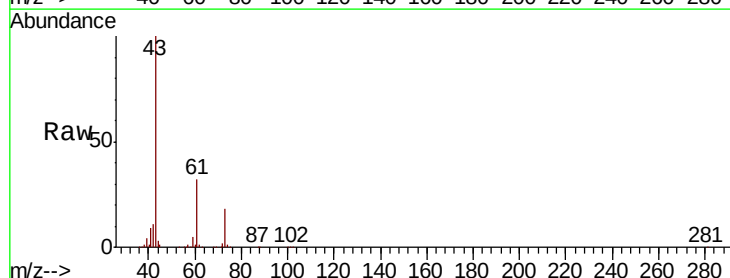
Acq: 16 Aug 2019 21:12

Tgt Ion: 63 Resp: 3425

Ion Ratio Lower Upper

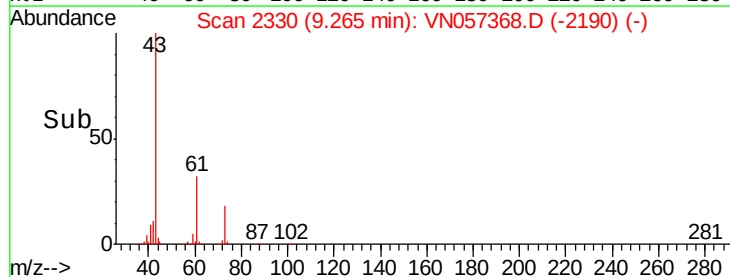
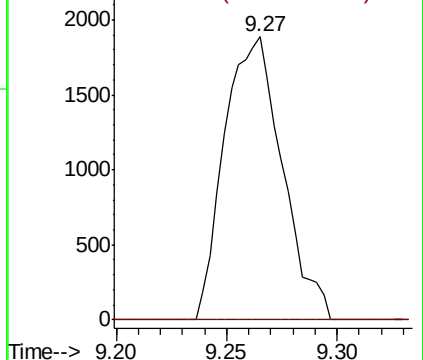
63 100

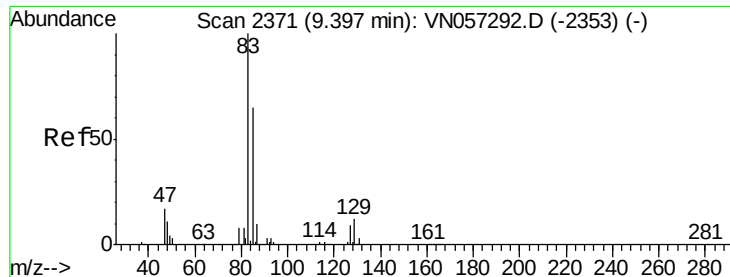
65 0.0 24.8 37.2#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0





#47

Bromodichloromethane

Concen: 0.210 ug/l

RT: 9.39 min Scan# 2369

Delta R.T. -0.01 min

Lab File: VN057368.D

Acq: 16 Aug 2019 21:12

Instrument :

MSVOA_N

ClientSampleId :

VNJ-222

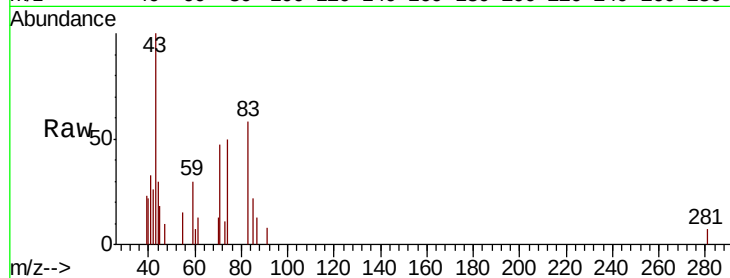
Tgt Ion: 83 Resp: 3051

Ion Ratio Lower Upper

83 100

85 37.6 51.9 77.9#

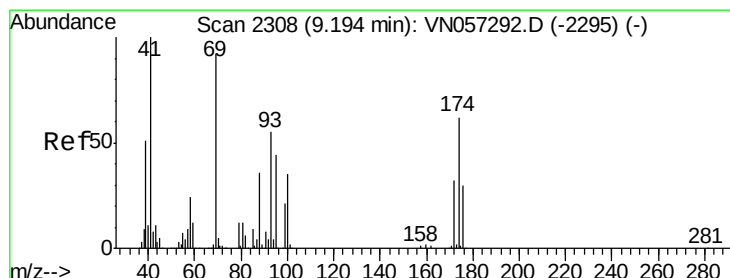
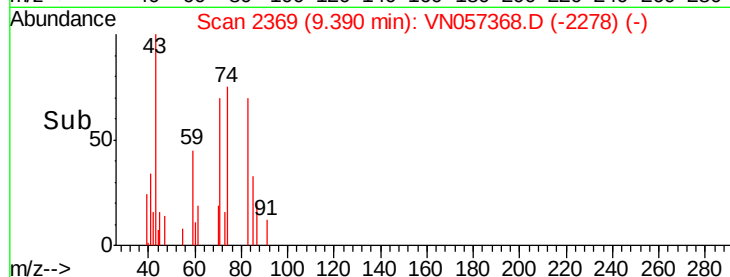
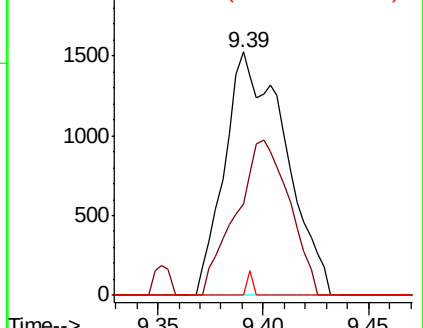
127 0.0 7.2 10.8#



Abundance Ion 82.90 (82.60 to 83.60): VNO

Ion 84.90 (84.60 to 85.60): VNO

Ion 126.80 (126.50 to 127.50): VNO



#48

Methyl methacrylate

Concen: 0.730 ug/l

RT: 9.18 min Scan# 2303

Delta R.T. -0.02 min

Lab File: VN057368.D

Acq: 16 Aug 2019 21:12

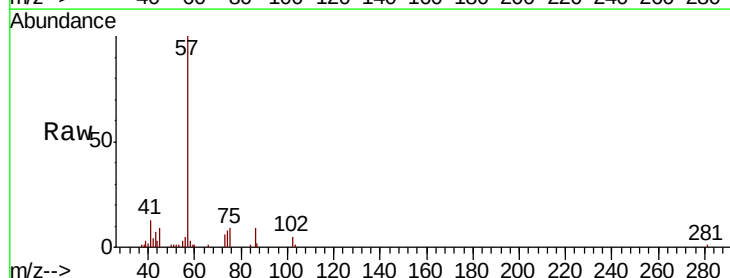
Tgt Ion: 41 Resp: 6870

Ion Ratio Lower Upper

41 100

69 0.0 75.9 113.9#

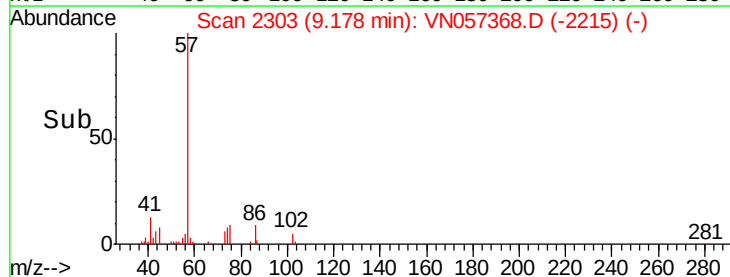
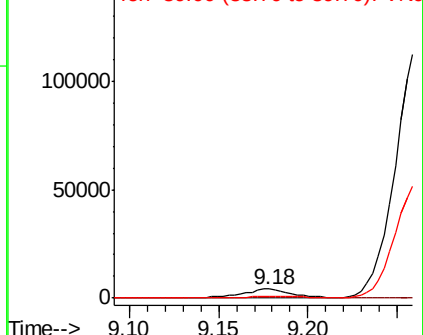
39 0.0 42.3 63.5#

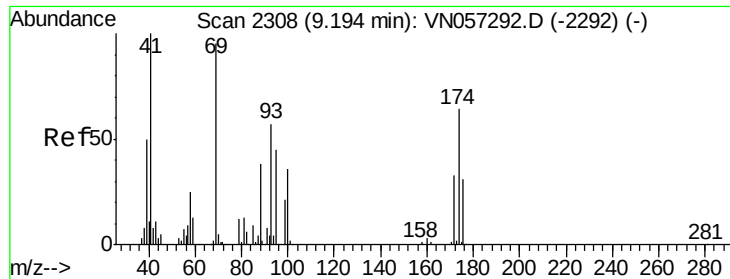


Abundance Ion 41.00 (40.70 to 41.70): VNO

Ion 69.00 (68.70 to 69.70): VNO

Ion 39.00 (38.70 to 39.70): VNO





#49

1,4-Dioxane

Concen: 1.626 ug/l

RT: 9.26 min Scan# 2328

Delta R.T. 0.06 min

Lab File: VN057368.D

Acq: 16 Aug 2019 21:12

Instrument :

MSVOA_N

ClientSampleId :

VNJ-222

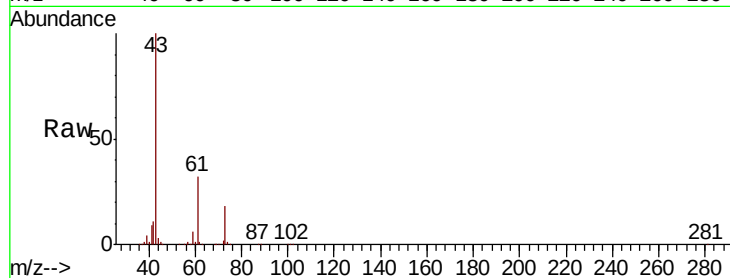
Tgt Ion: 88 Resp: 322

Ion Ratio Lower Upper

88 100

43 735511.5 22.9 34.3#

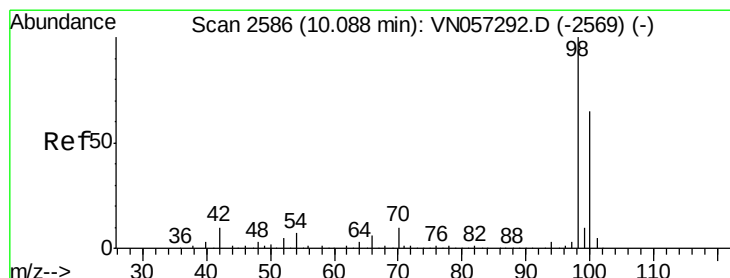
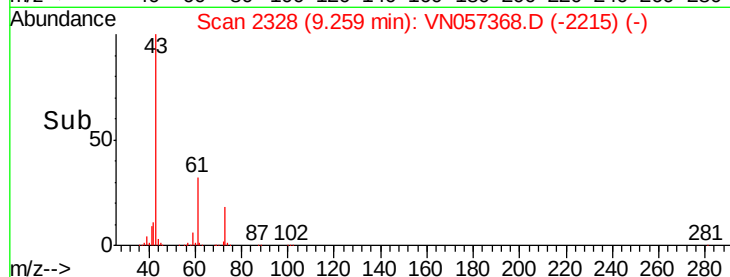
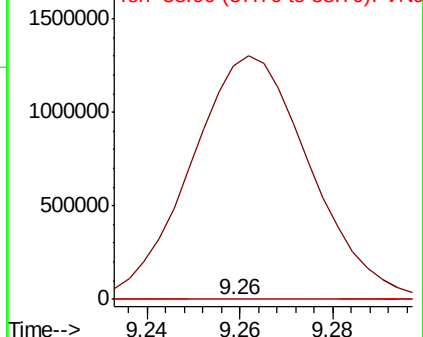
58 3225.8 52.7 79.1#



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: 48.580 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. 0.00 min

Lab File: VN057368.D

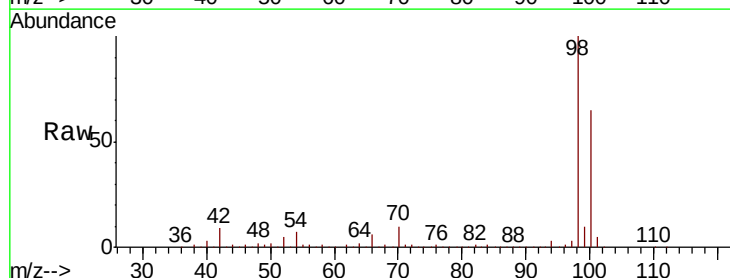
Acq: 16 Aug 2019 21:12

Tgt Ion: 98 Resp: 1841737

Ion Ratio Lower Upper

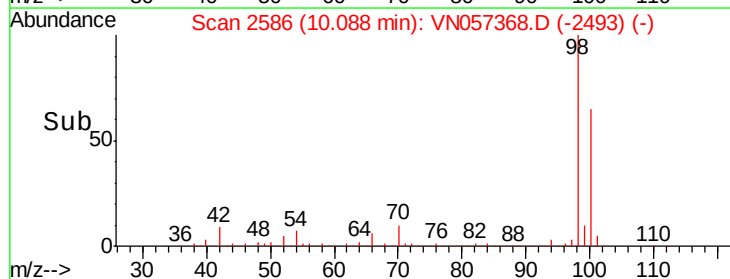
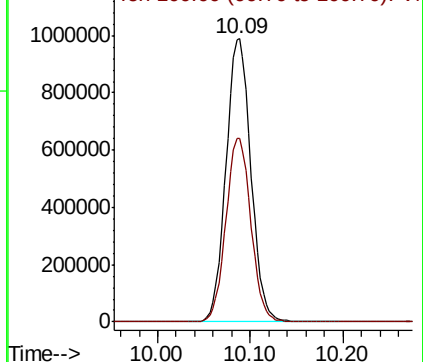
98 100

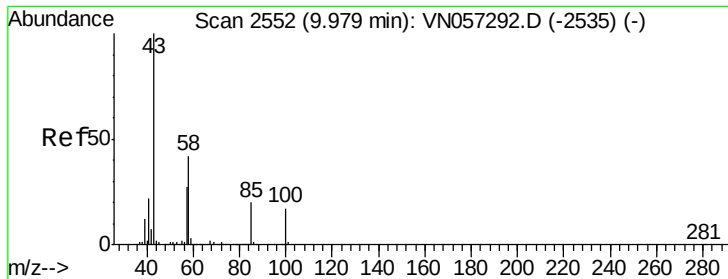
100 65.0 51.9 77.9



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: 0.802 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. 0.00 min

Lab File: VN057368.D

Acq: 16 Aug 2019 21:12

Instrument :

MSVOA_N

ClientSampleId :

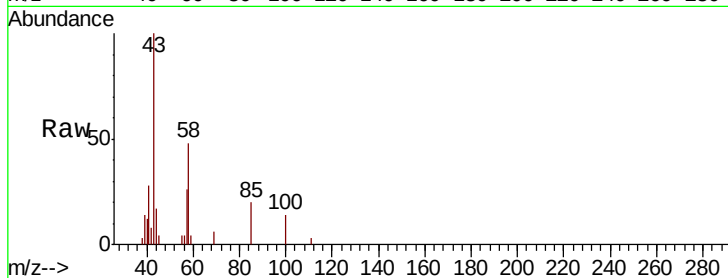
VNJ-222

Tgt Ion: 43 Resp: 9459

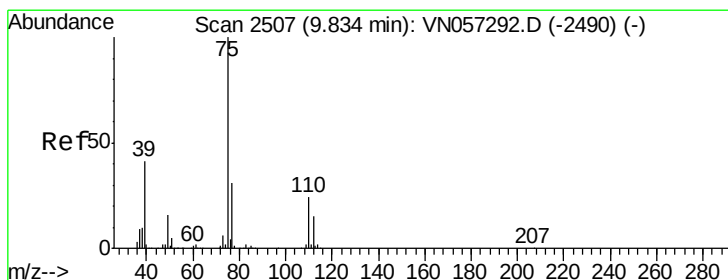
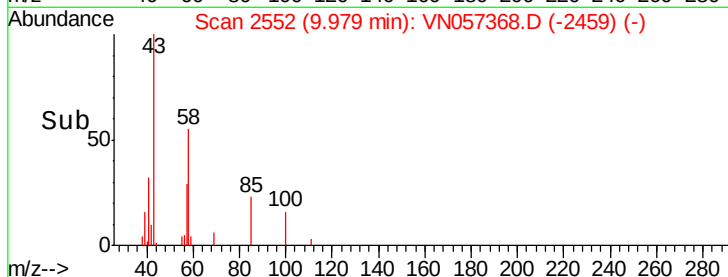
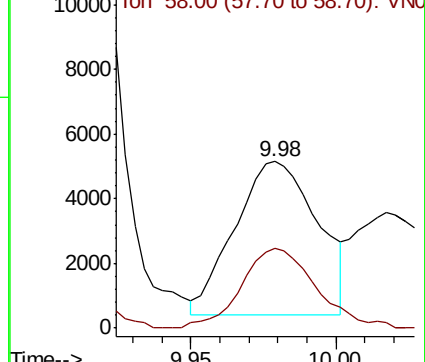
Ion Ratio Lower Upper

43 100

58 46.9 33.2 49.8



Abundance Ion 43.00 (42.70 to 43.70): VN057292.D (-2535) (-)



#54

cis-1,3-Dichloropropene

Concen: 4.344 ug/l

RT: 9.90 min Scan# 2527

Delta R.T. 0.06 min

Lab File: VN057368.D

Acq: 16 Aug 2019 21:12

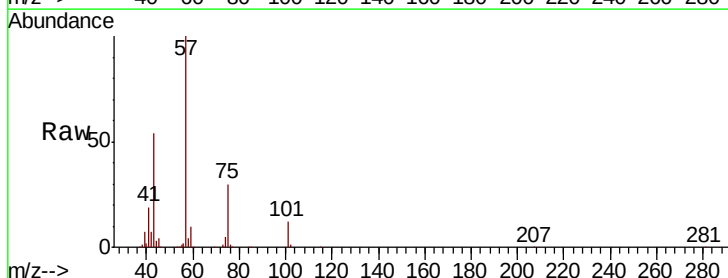
Tgt Ion: 75 Resp: 75376

Ion Ratio Lower Upper

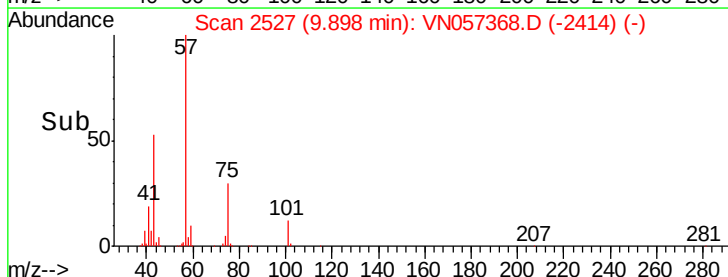
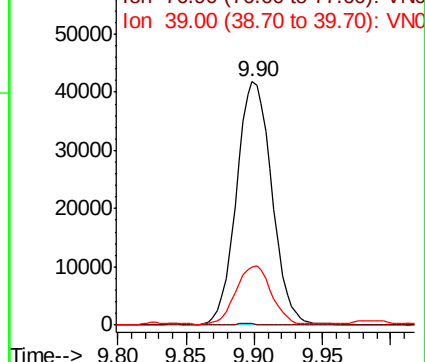
75 100

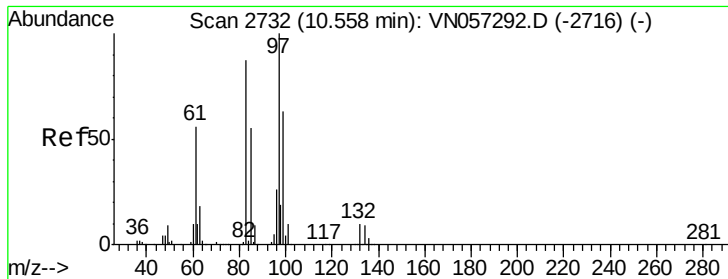
77 0.5 24.9 37.3#

39 23.4 32.7 49.1#



Abundance Ion 74.90 (74.60 to 75.60): VN057292.D (-2490) (-)





#55

1,1,2-Trichloroethane

Concen: 0.246 ug/l

RT: 10.53 min Scan# 2722

Delta R.T. -0.03 min

Lab File: VN057368.D

Acq: 16 Aug 2019 21:12

Instrument :

MSVOA_N

ClientSampleId :

VNJ-222

Tgt Ion: 97 Resp: 2575

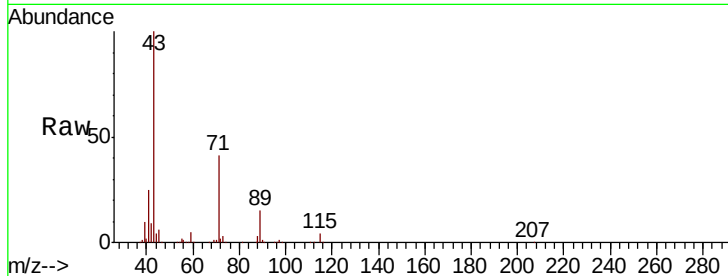
Ion Ratio Lower Upper

97 100

83 0.0 69.8 104.8#

85 0.0 44.1 66.1#

99 0.0 50.2 75.2#

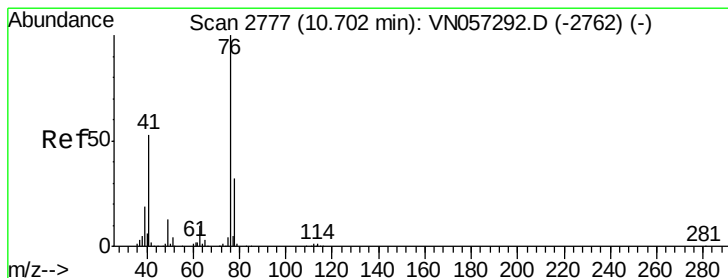
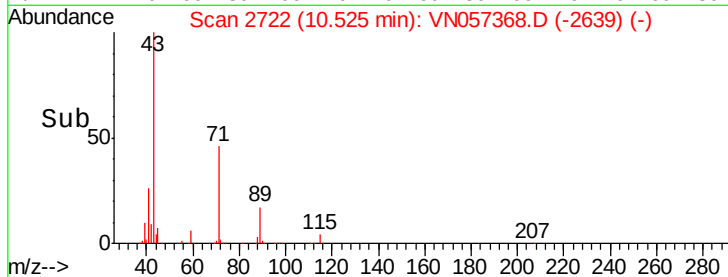
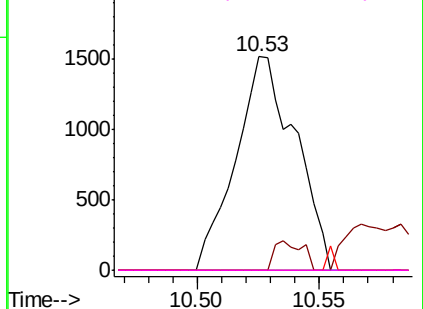


Abundance Ion 96.90 (96.60 to 97.60): VNO

Ion 82.90 (82.60 to 83.60): VNO

Ion 84.90 (84.60 to 85.60): VNO

Ion 98.90 (98.60 to 99.60): VNO



#57

1,3-Dichloropropane

Concen: 0.682 ug/l

RT: 10.76 min Scan# 2795

Delta R.T. 0.06 min

Lab File: VN057368.D

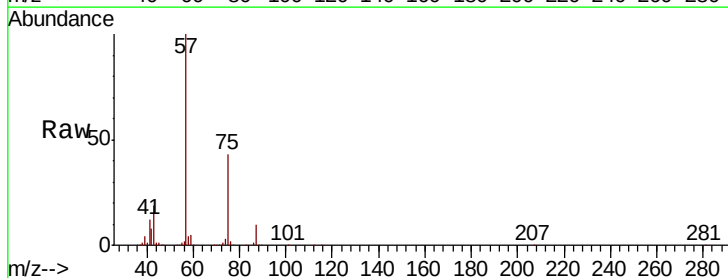
Acq: 16 Aug 2019 21:12

Tgt Ion: 76 Resp: 11914

Ion Ratio Lower Upper

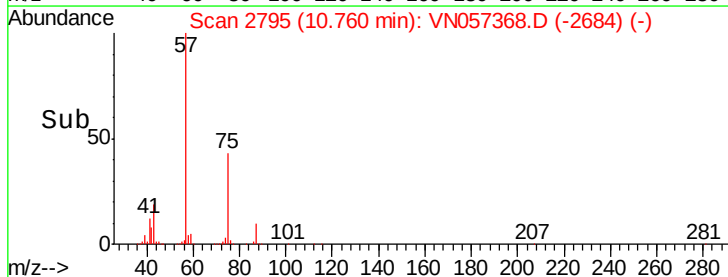
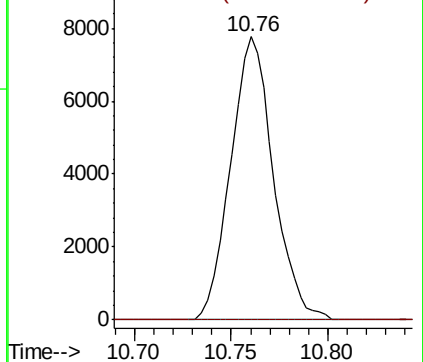
76 100

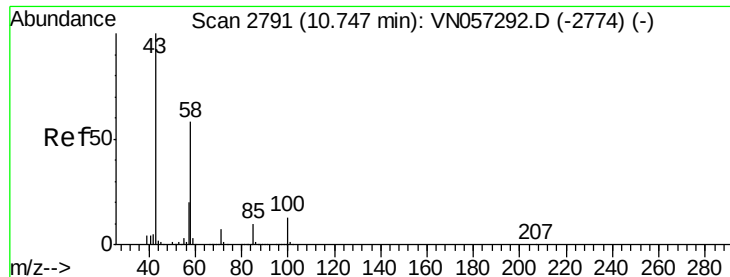
78 0.0 25.6 38.4#



Abundance Ion 75.90 (75.60 to 76.60): VNO

Ion 77.90 (77.60 to 78.60): VNO





#59

2-Hexanone

Concen: 17.372 ug/l

RT: 10.76 min Scan# 2795

Delta R.T. 0.01 min

Lab File: VN057368.D

Acq: 16 Aug 2019 21:12

Instrument :

MSVOA_N

ClientSampled :

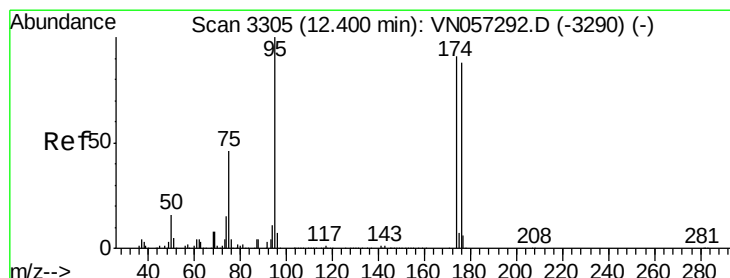
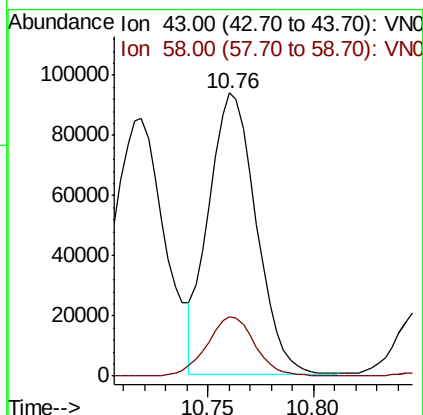
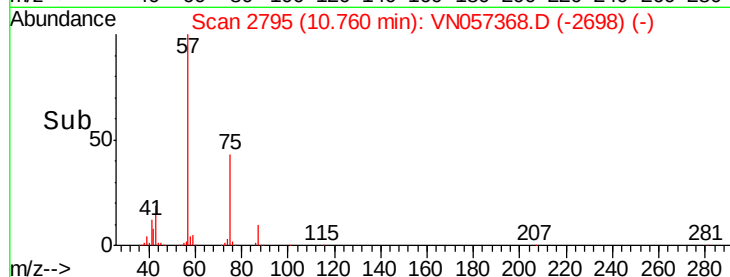
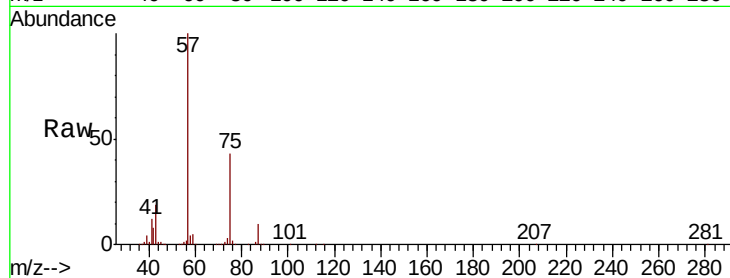
VNJ-222

Tgt Ion: 43 Resp: 147329

Ion Ratio Lower Upper

43 100

58 21.3 28.6 85.9#



#62

4-Bromofluorobenzene

Concen: 36.478 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN057368.D

Acq: 16 Aug 2019 21:12

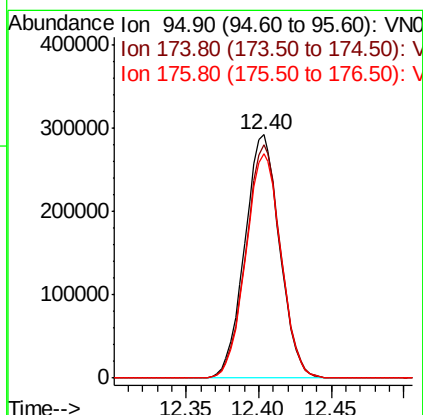
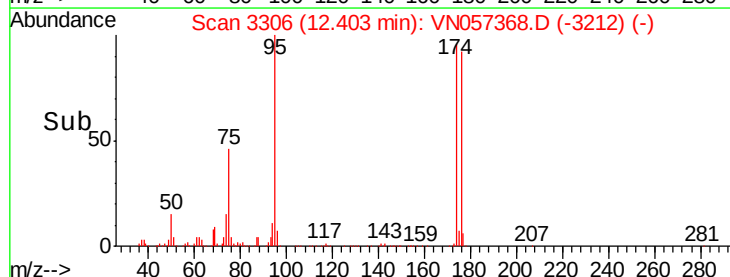
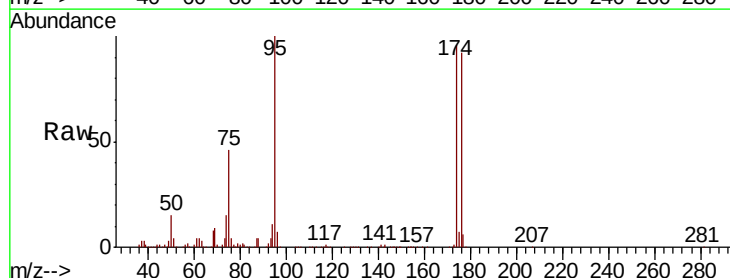
Tgt Ion: 95 Resp: 488718

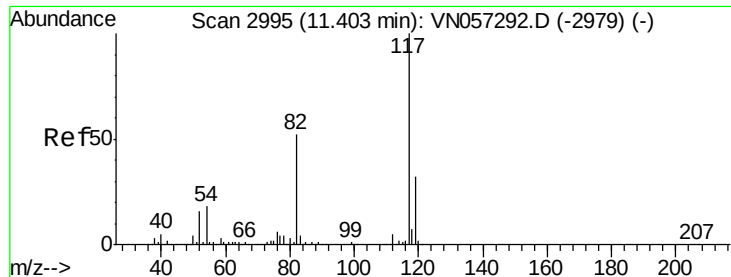
Ion Ratio Lower Upper

95 100

174 95.7 0.0 185.0

176 92.9 0.0 181.0

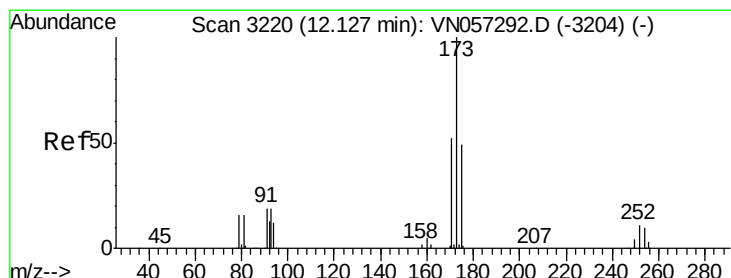
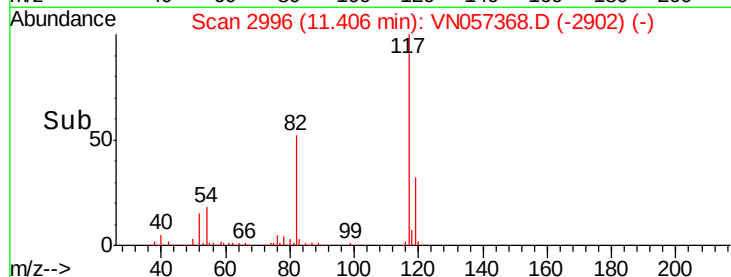
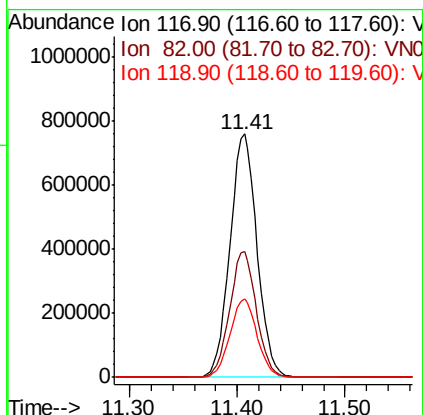
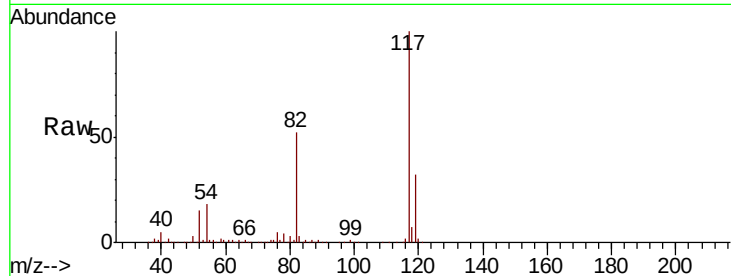




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN057368.D
Acq: 16 Aug 2019 21:12

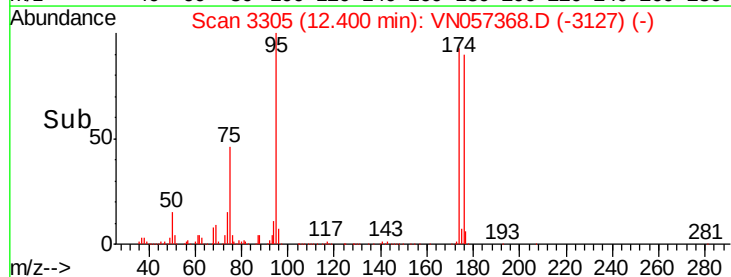
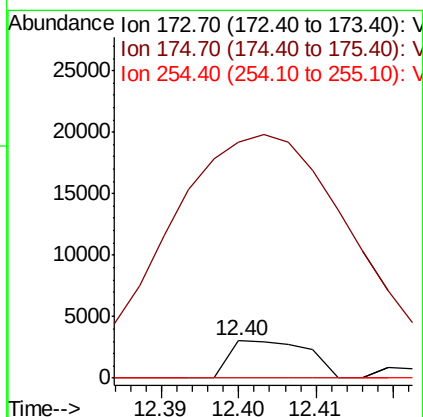
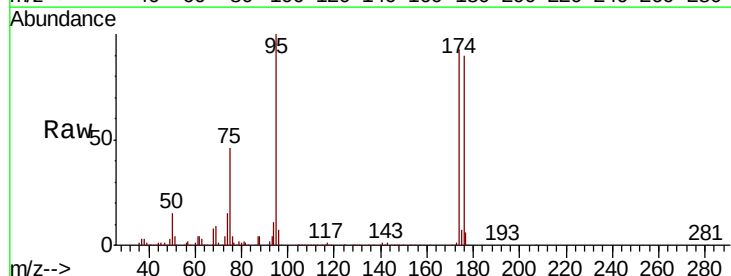
Instrument :
MSVOA_N
ClientSampled :
VNJ-222

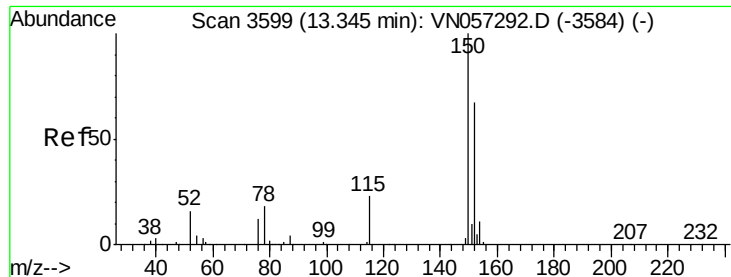
Tgt Ion:117 Resp: 1324414
Ion Ratio Lower Upper
117 100
82 51.7 41.2 61.8
119 32.2 25.8 38.8



#71
Bromoform
Concen: 0.262 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.27 min
Lab File: VN057368.D
Acq: 16 Aug 2019 21:12

Tgt Ion:173 Resp: 2136
Ion Ratio Lower Upper
173 100
175 1364.5 24.2 72.6#
254 0.0 0.2 0.2#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN057368.D

Acq: 16 Aug 2019 21:12

Instrument :

MSVOA_N

ClientSampleId :

VNJ-222

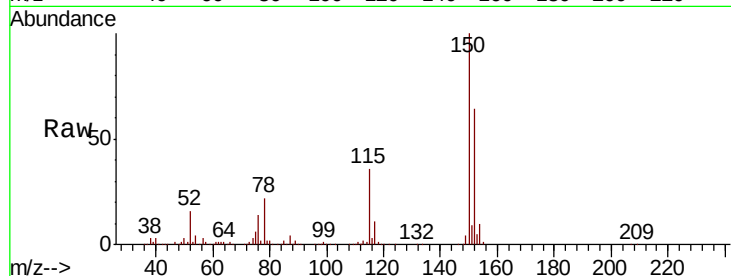
Tgt Ion:152 Resp: 347835

Ion Ratio Lower Upper

152 100

115 55.2 27.3 81.9

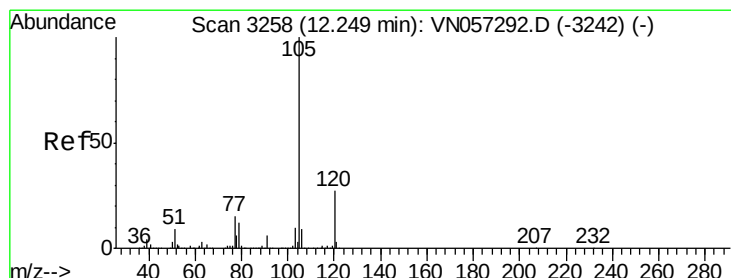
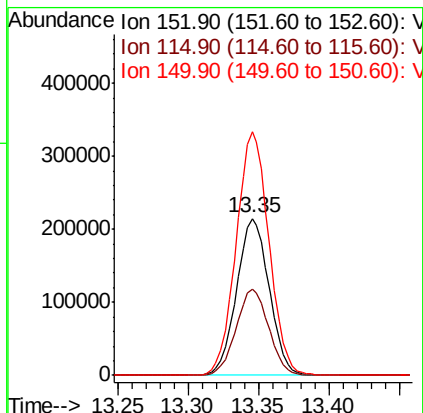
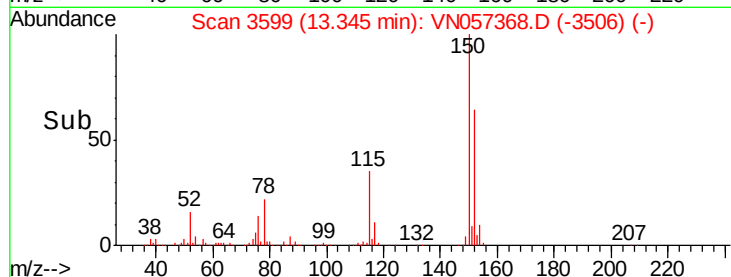
150 155.7 0.0 344.4



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: VN057368.D

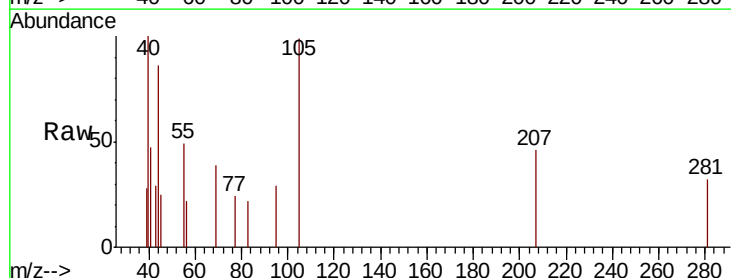
Acq: 16 Aug 2019 21:12

Tgt Ion:105 Resp: 717

Ion Ratio Lower Upper

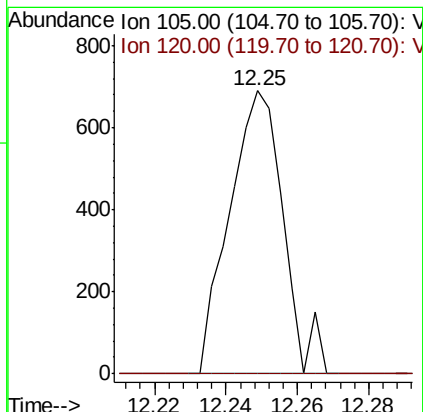
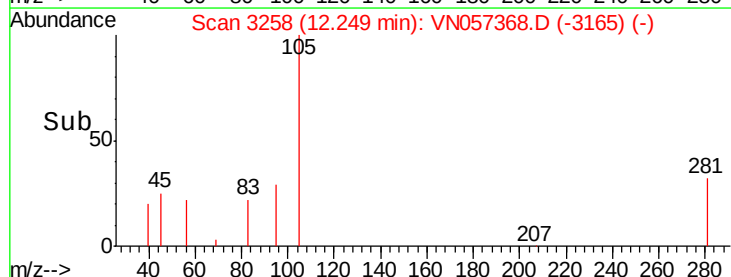
105 100

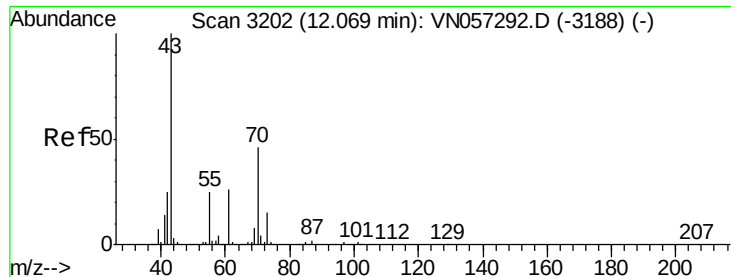
120 0.0 13.2 39.6#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amyI acetate

Concen: 0.653 ug/l

RT: 12.03 min Scan# 3190

Delta R.T. -0.04 min

Lab File: VN057368.D

Acq: 16 Aug 2019 21:12

Instrument :

MSVOA_N

ClientSampleId :

VNJ-222

Tgt Ion: 43 Resp: 6586

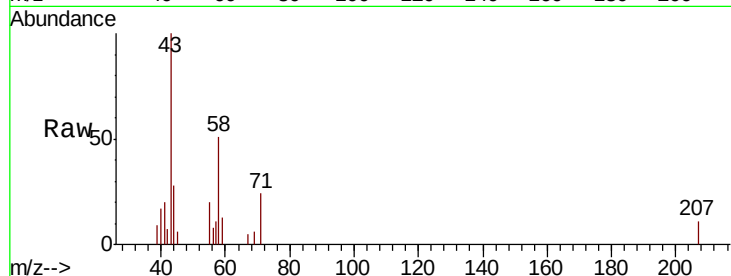
Ion Ratio Lower Upper

43 100

70 1.0 36.2 54.2#

55 8.9 20.1 30.1#

61 0.0 20.9 31.3#

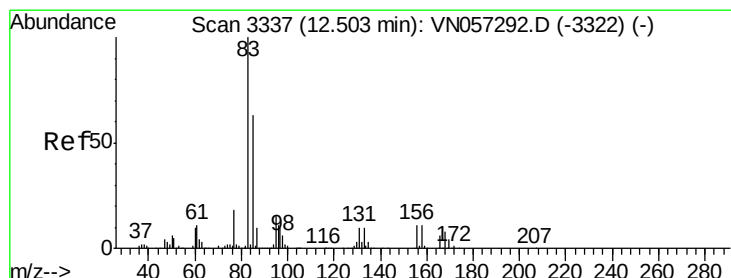
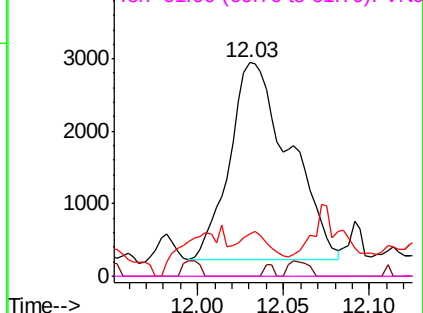
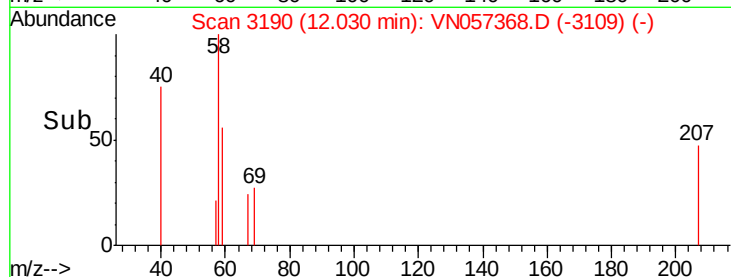


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.56 min Scan# 3354

Delta R.T. 0.05 min

Lab File: VN057368.D

Acq: 16 Aug 2019 21:12

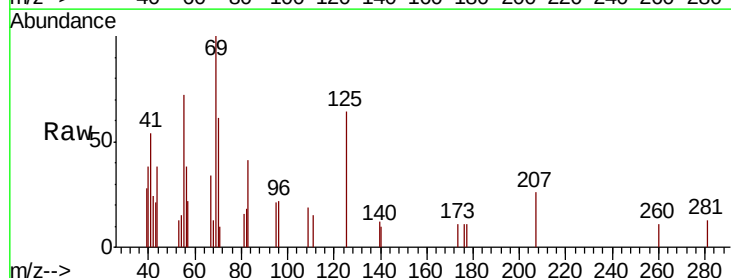
Tgt Ion: 83 Resp: 568

Ion Ratio Lower Upper

83 100

131 0.0 5.4 16.2#

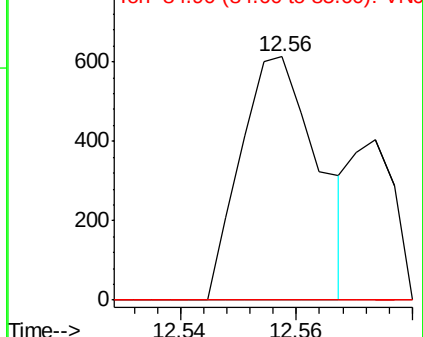
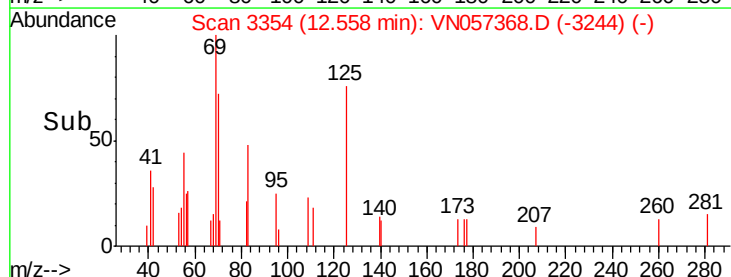
85 0.0 32.3 96.9#

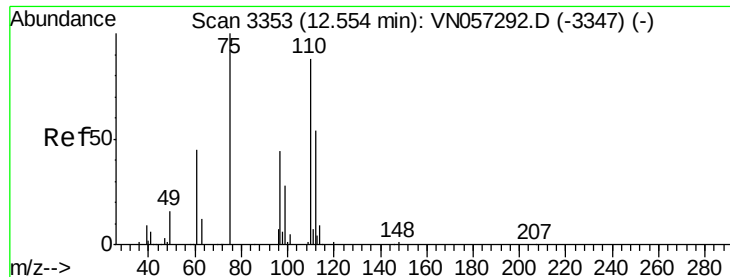


Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VN0





#76

1,2,3-Trichloropropane

Concen: 31.898 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN057368.D

Acq: 16 Aug 2019 21:12

Instrument :

MSVOA_N

ClientSampled :

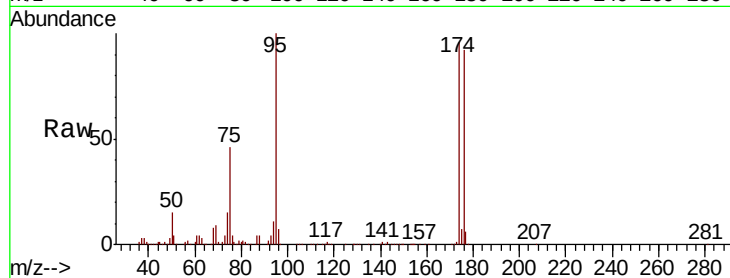
VNJ-222

Tgt Ion: 75 Resp: 223095

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

12.40

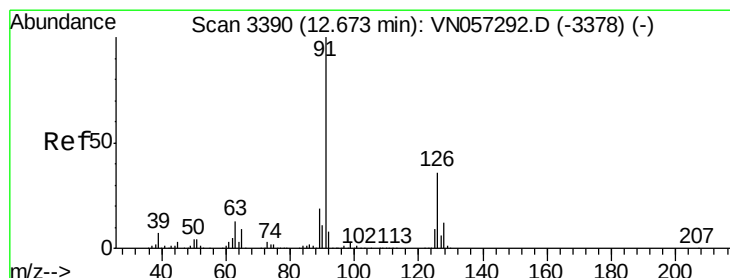
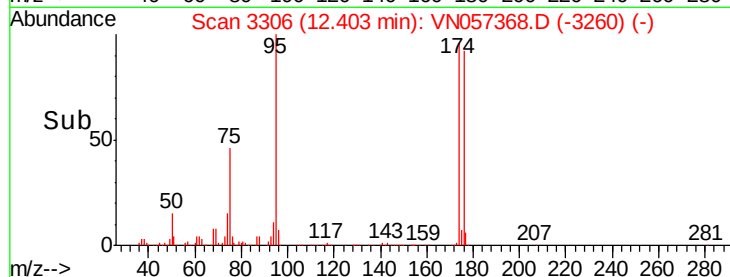
150000

100000

50000

0

Time--> 12.30 12.40 12.50



#79

2-Chlorotoluene

Concen: Below Cal

RT: 12.67 min Scan# 3388

Delta R.T. -0.01 min

Lab File: VN057368.D

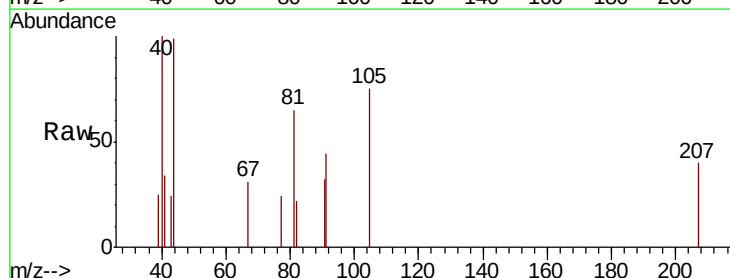
Acq: 16 Aug 2019 21:12

Tgt Ion: 91 Resp: 820

Ion Ratio Lower Upper

91 100

126 0.0 18.1 54.1#



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

12.67

600

500

400

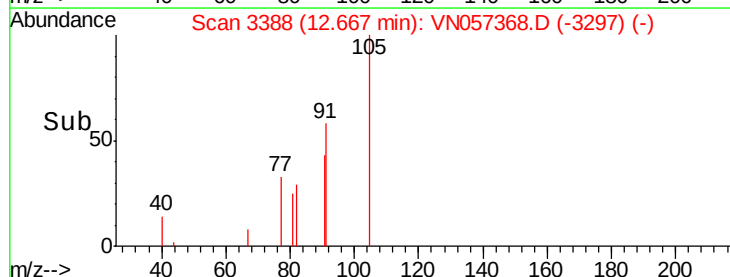
300

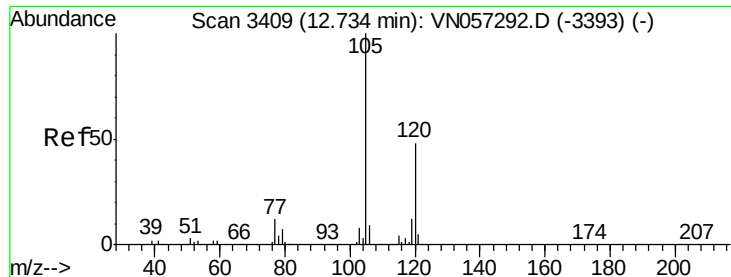
200

100

0

Time--> 12.65 12.70

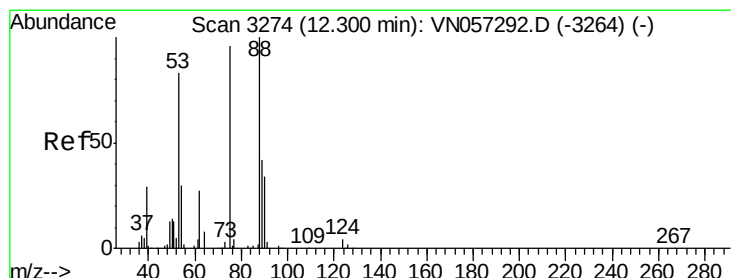
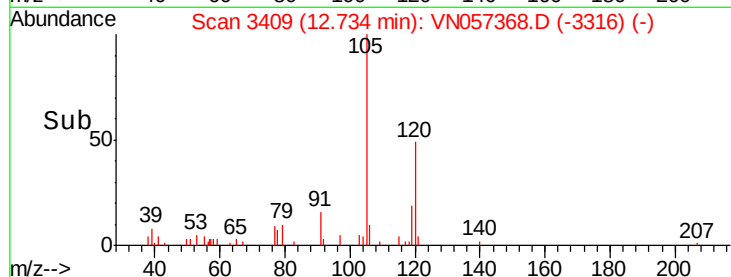
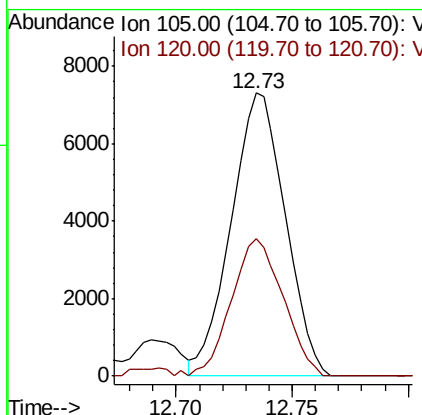
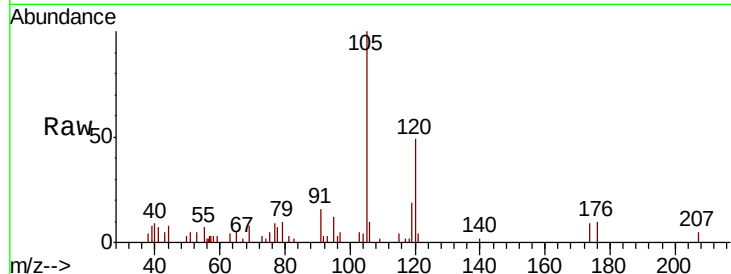




#80
 1,3,5-Trimethylbenzene
 Concen: Below Cal
 RT: 12.73 min Scan# 3409
 Delta R.T. 0.00 min
 Lab File: VN057368.D
 Acq: 16 Aug 2019 21:12

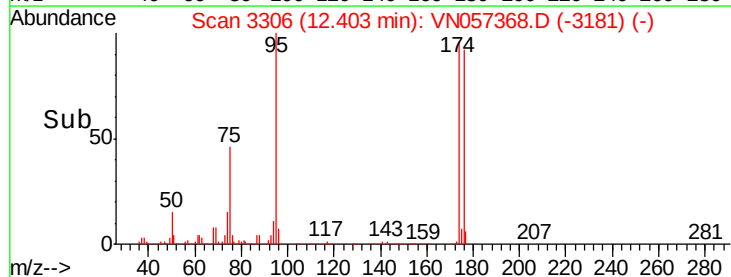
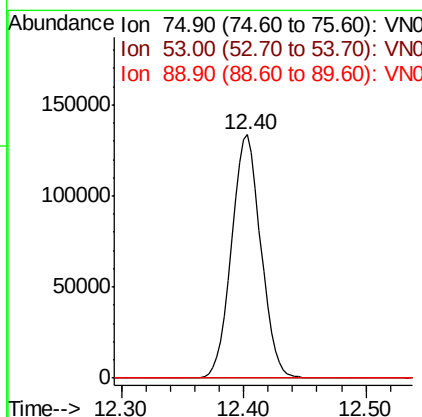
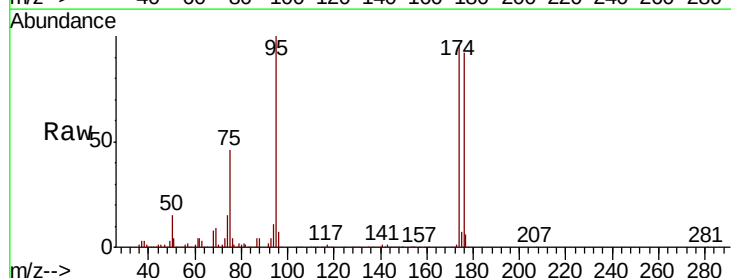
Instrument :
 MSVOA_N
 ClientSampleId :
 VNJ-222

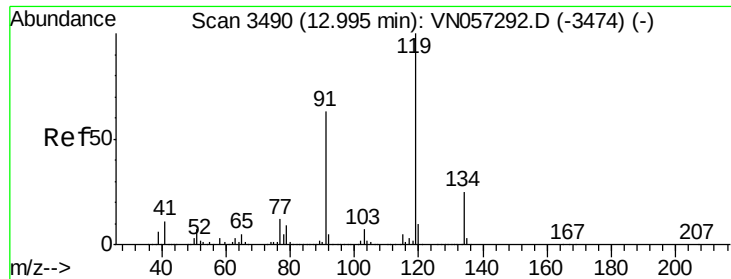
Tgt Ion: 105 Resp: 11854
 Ion Ratio Lower Upper
 105 100
 120 46.1 24.3 73.0



#81
 trans-1,4-Dichloro-2-butene
 Concen: 78.209 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.10 min
 Lab File: VN057368.D
 Acq: 16 Aug 2019 21:12

Tgt Ion: 75 Resp: 223095
 Ion Ratio Lower Upper
 75 100
 53 0.0 67.9 101.9#
 89 0.0 36.2 54.4#

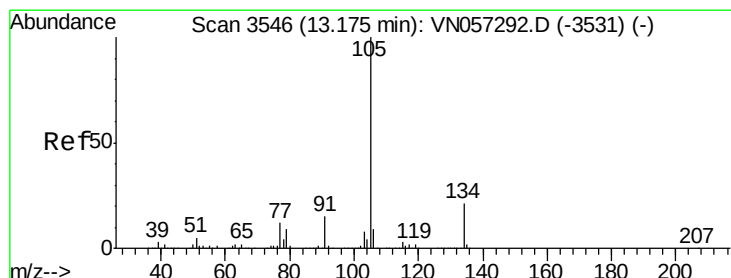
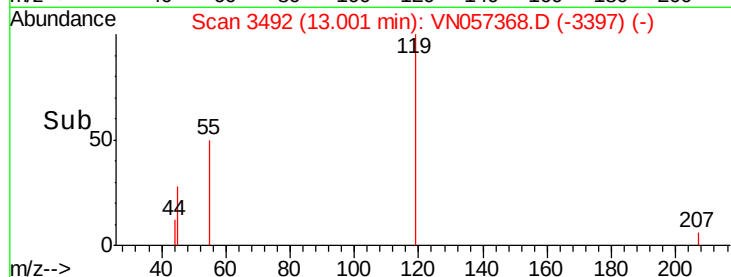
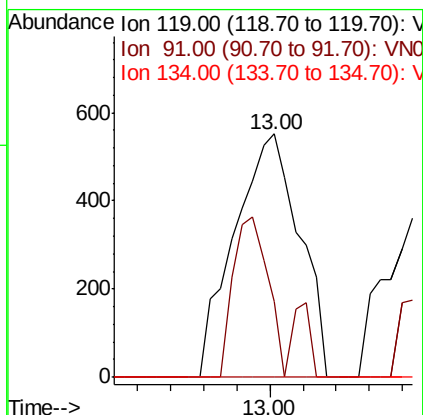
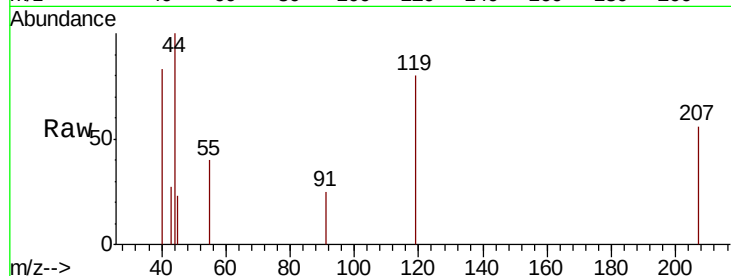




#83
 tert-Butylbenzene
 Concen: Below Cal
 RT: 13.00 min Scan# 3492
 Delta R.T. 0.01 min
 Lab File: VN057368.D
 Acq: 16 Aug 2019 21:12

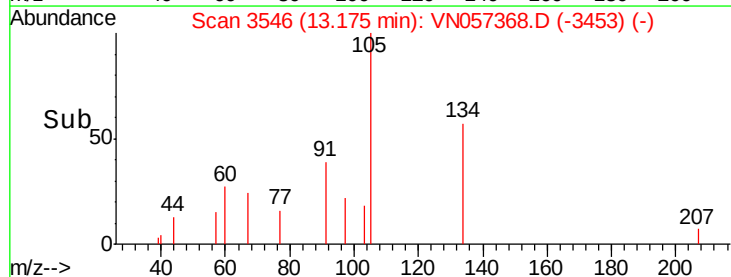
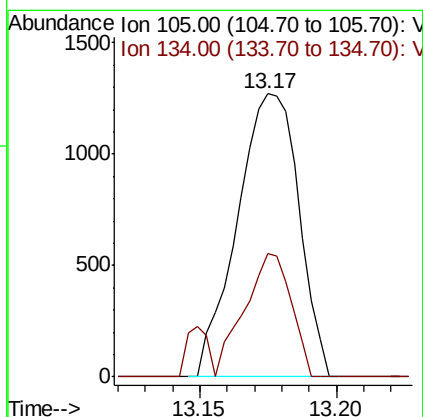
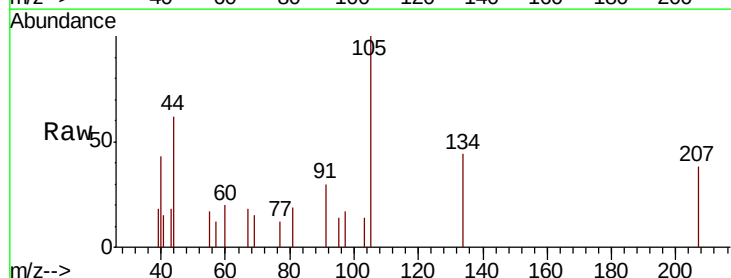
Instrument :
 MSVOA_N
 ClientSampleId :
 VNJ-222

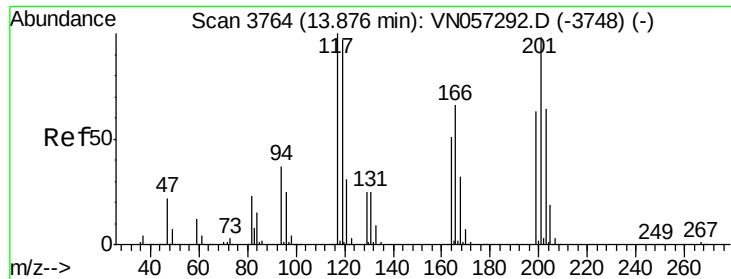
Tgt Ion:119 Resp: 754
 Ion Ratio Lower Upper
 119 100
 91 35.1 31.3 93.8
 134 0.0 13.1 39.1#



#85
 sec-Butylbenzene
 Concen: Below Cal
 RT: 13.17 min Scan# 3546
 Delta R.T. 0.00 min
 Lab File: VN057368.D
 Acq: 16 Aug 2019 21:12

Tgt Ion:105 Resp: 1993
 Ion Ratio Lower Upper
 105 100
 134 33.1 10.4 31.2#





#90

Hexachloroethane

Concen: Below Cal

RT: 13.89 min Scan# 3769

Delta R.T. 0.02 min

Lab File: VN057368.D

Acq: 16 Aug 2019 21:12

Instrument :

MSVOA_N

ClientSampled :

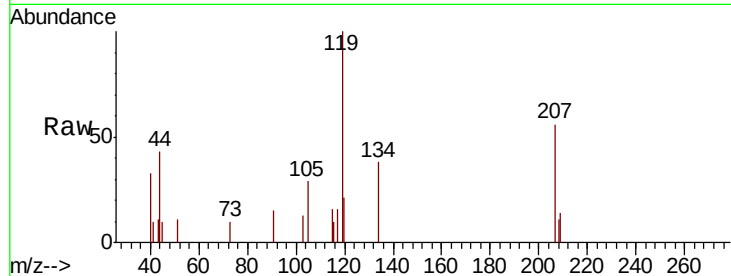
VNJ-222

Tgt Ion:117 Resp: 152

Ion Ratio Lower Upper

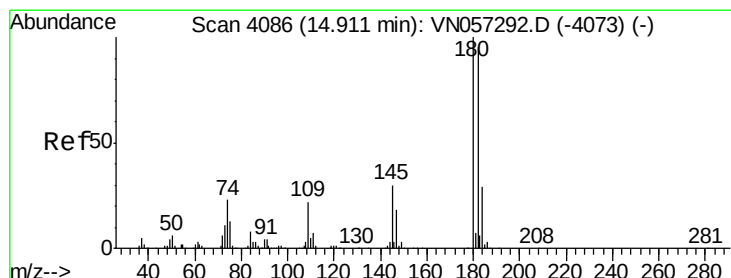
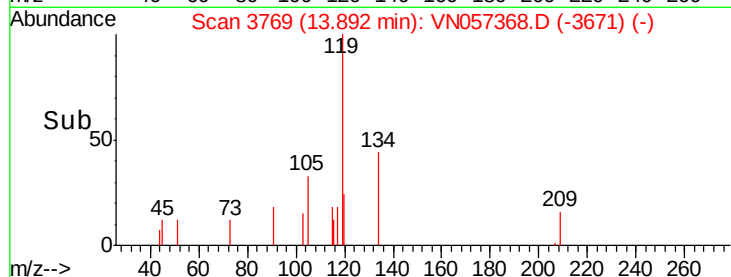
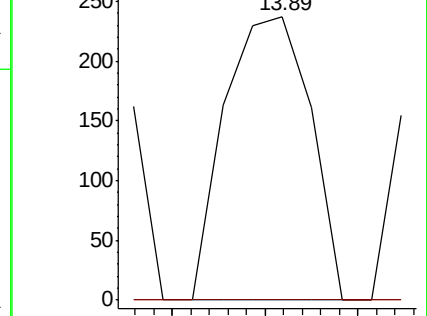
117 100

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



#93

1,2,4-Trichlorobenzene

Concen: 5.470 ug/l

RT: 14.91 min Scan# 4086

Delta R.T. 0.00 min

Lab File: VN057368.D

Acq: 16 Aug 2019 21:12

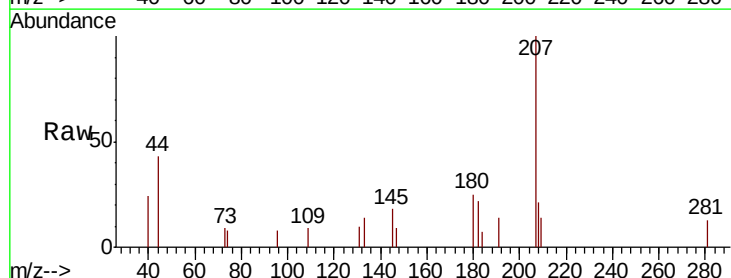
Tgt Ion:180 Resp: 583

Ion Ratio Lower Upper

180 100

182 113.9 48.0 144.2

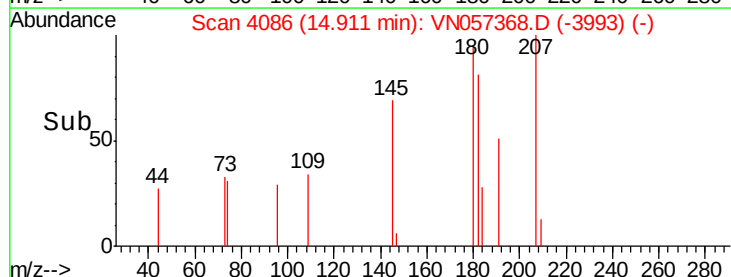
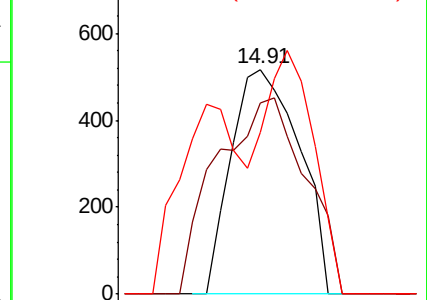
145 80.6 14.5 43.6#

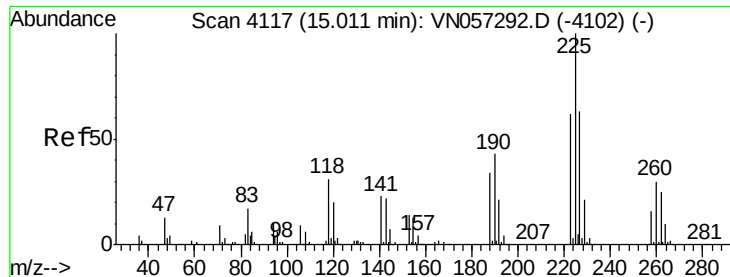


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V





#94

Hexachlorobutadiene

Concen: Below Cal

RT: 15.01 min Scan# 4116

Delta R.T. -0.00 min

Lab File: VN057368.D

Acq: 16 Aug 2019 21:12

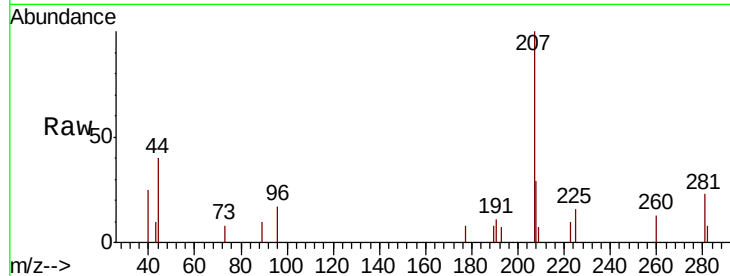
Instrument :

MSVOA_N

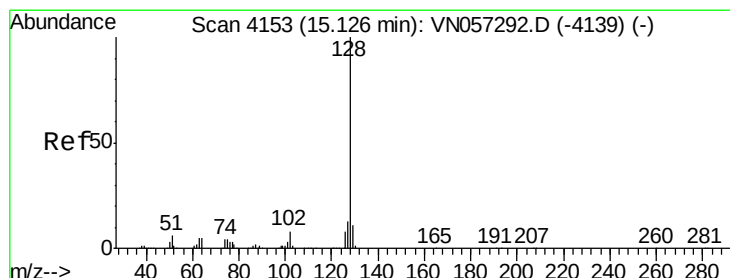
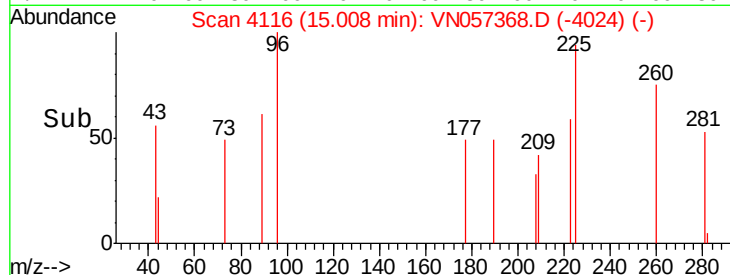
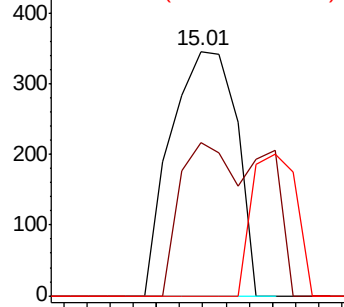
ClientSampleId :

VNJ-222

Tgt Ion:	225	Resp:	272
Ion	Ratio	Lower	Upper
225	100		
223	82.0	30.7	92.1
227	39.7	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

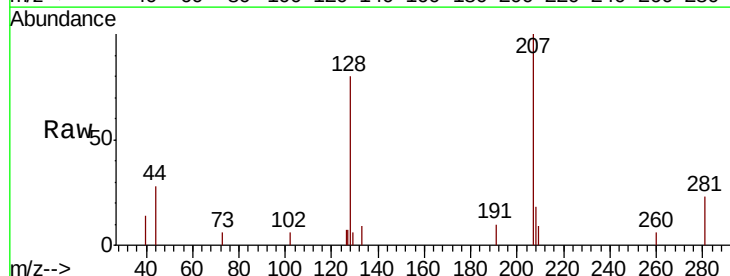
RT: 15.12 min Scan# 4152

Delta R.T. -0.00 min

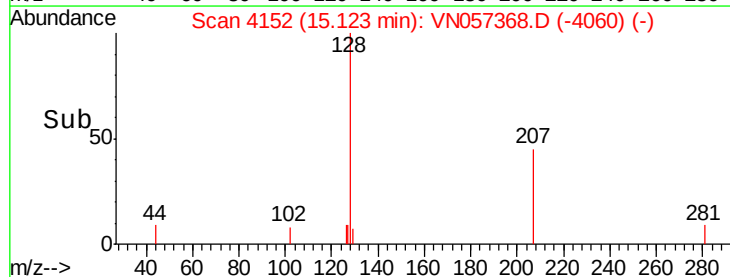
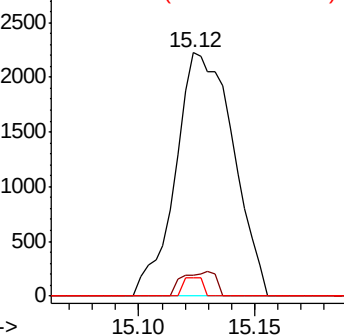
Lab File: VN057368.D

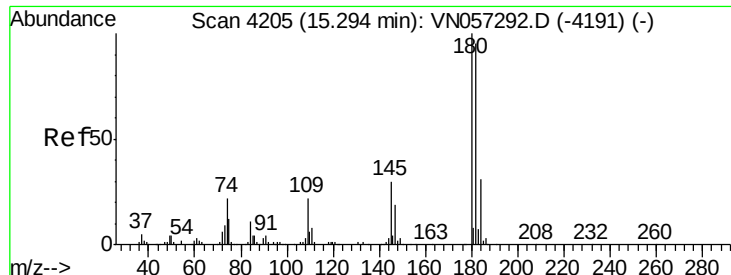
Acq: 16 Aug 2019 21:12

Tgt Ion:	128	Resp:	3843
Ion	Ratio	Lower	Upper
128	100		
127	5.9	10.5	15.7#
129	2.5	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: 15.30 min Scan# 4208
 Delta R.T. 0.01 min
 Lab File: VN057368.D
 Acq: 16 Aug 2019 21:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VNJ-222

Tgt Ion	Ratio	Lower	Upper
180	100		
182	57.1	47.9	143.6
145	28.5	15.1	45.3

