

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN082219\
 Data File : VN057457.D
 Acq On : 23 Aug 2019 1:56
 Operator : JC/SP
 Sample : K4089-05
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 OK-01-082119

Quant Time: Aug 23 05:18:01 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N082219W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 23 05:07:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	441704	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	786389	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	635801	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	164906	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	363482	46.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.56%	
35) Dibromofluoromethane	7.58	113	246868	46.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.96%	
50) Toluene-d8	10.08	98	983464	48.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.94%	
62) 4-Bromofluorobenzene	12.40	95	272896	40.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	80.18%	

Target Compounds

					Qvalue	
8) Diethyl Ether	3.39	74	1796	Below Cal		97
9) 1,1,2-Trichlorotrifluoroet	3.61	101	63	Below Cal	#	21
11) Tert butyl alcohol	4.72	59	7195	7.453	ug/l #	82
13) Acrolein	3.59	56	214	0.252	ug/l #	13
16) Acetone	3.80	43	10928	3.062	ug/l	92
18) Methyl Acetate	4.30	43	28904	2.854	ug/l	98
20) Methylene Chloride	4.52	84	94228	17.762	ug/l	93
25) 2-Butanone	6.83	43	3042	0.785	ug/l	92
30) Chloroform	7.35	83	9518	0.978	ug/l	89
31) Cyclohexane	7.65	56	13809	1.265	ug/l #	17
36) 1,1-Dichloropropene	7.65	75	44257	5.508	ug/l #	51
38) Carbon Tetrachloride	7.65	117	48532	6.080	ug/l #	16
43) Isopropyl Acetate	8.16	43	124660	8.562	ug/l	98
46) Dibromomethane	9.19	93	138	Below Cal	#	40
47) Bromodichloromethane	9.39	83	2348	0.262	ug/l #	97
48) Methyl methacrylate	9.17	41	6222	0.899	ug/l #	18
49) 1,4-Dioxane	9.26	88	304	3.396	ug/l #	1
51) 4-Methyl-2-Pentanone	9.98	43	7653	0.943	ug/l	98
54) cis-1,3-Dichloropropene	9.90	75	47059	4.503	ug/l #	60
57) 1,3-Dichloropropane	10.76	76	7359	0.752	ug/l #	44
58) 2-Chloroethyl Vinyl ether	9.70	63	71	17.091	ug/l #	1
59) 2-Hexanone	10.76	43	125167	22.491	ug/l #	54
68) m/p-Xylenes	11.62	106	2114	0.250	ug/l	91
69) o-Xylene	11.95	106	1874	0.224	ug/l	84
73) Isopropylbenzene	12.25	105	536	Below Cal		100
74) N-amyl acetate	12.03	43	6316	Below Cal	#	53
75) 1,1,2,2-Tetrachloroethane	12.51	83	175	Below Cal	#	25
76) 1,2,3-Trichloropropane	12.40	75	159010	43.044	ug/l #	100
78) n-propylbenzene	12.60	91	1405	Below Cal		87
79) 2-Chlorotoluene	12.67	91	998	Below Cal	#	44
80) 1,3,5-Trimethylbenzene	12.74	105	5821	Below Cal		88
81) trans-1,4-Dichloro-2-buten	12.40	75	159010	110.619	ug/l #	9
82) 4-Chlorotoluene	12.78	91	384	Below Cal	#	45
83) tert-Butylbenzene	13.00	119	63	Below Cal	#	1

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN082219\
 Data File : VN057457.D
 Acq On : 23 Aug 2019 1:56
 Operator : JC/SP
 Sample : K4089-05
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 OK-01-082119

Quant Time: Aug 23 05:18:01 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N082219W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 23 05:07:29 2019
 Response via : Initial Calibration

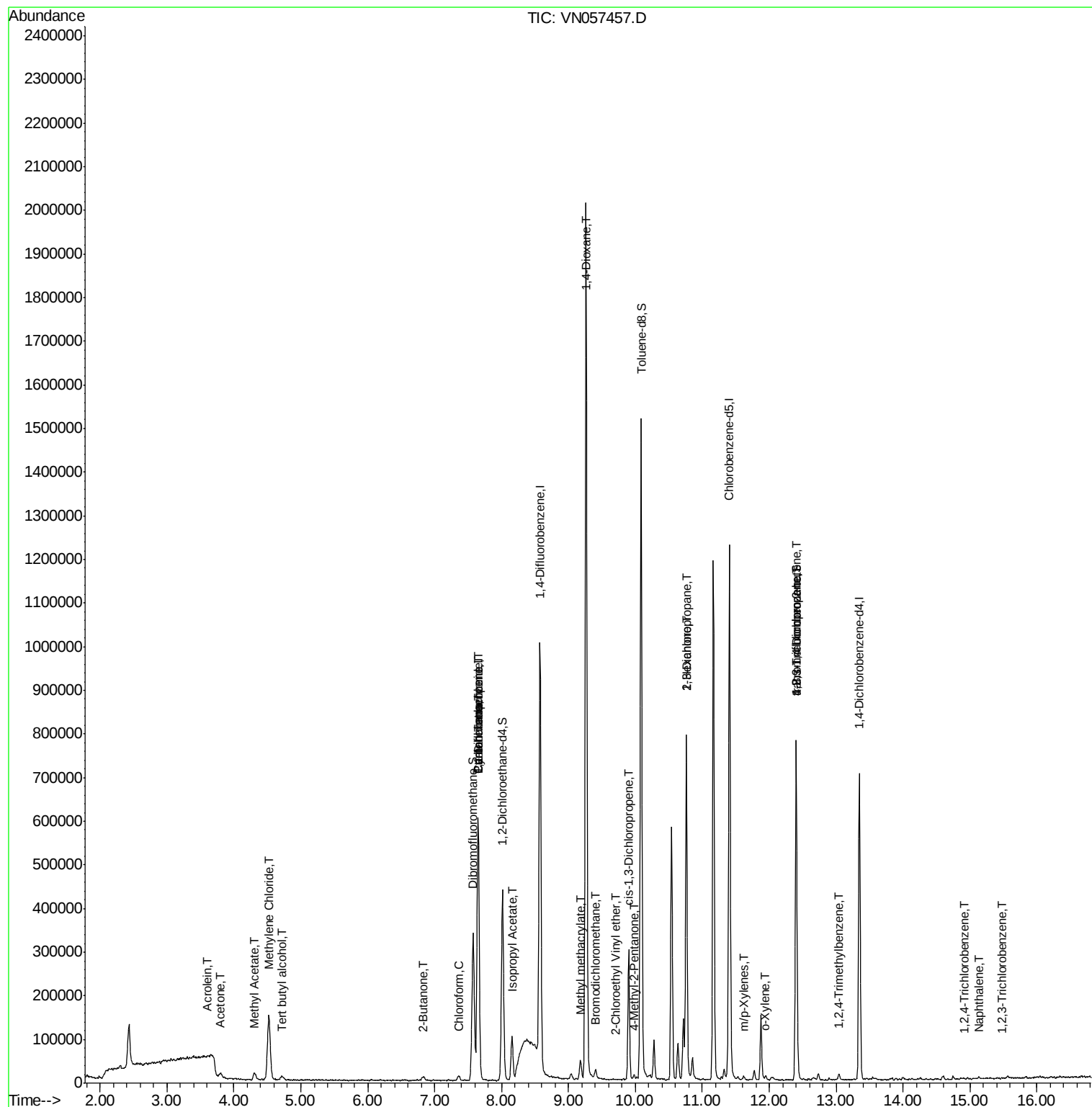
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
84) 1,2,4-Trimethylbenzene	13.04	105	8186	0.639	ug/l	96
85) sec-Butylbenzene	13.17	105	731	Below Cal	#	68
90) Hexachloroethane	13.88	117	247	Below Cal	#	17
92) 1,2-Dibromo-3-Chloropropan	14.27	75	107	Below Cal	#	11
93) 1,2,4-Trichlorobenzene	14.92	180	407	5.548	ug/l	67
94) Hexachlorobutadiene	15.09	225	29	Below Cal	#	18
95) Naphthalene	15.13	128	2941	4.749	ug/l	# 83
96) 1,2,3-Trichlorobenzene	15.47	180	31	5.129	ug/l	# 13

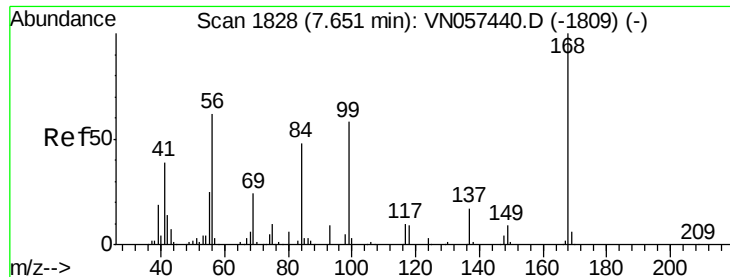
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN082219\
Data File : VN057457.D
Acq On : 23 Aug 2019 1:56
Operator : JC/SP
Sample : K4089-05
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
OK-01-082119

Quant Time: Aug 23 05:18:01 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N082219W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 23 05:07:29 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.00 min

Lab File: VN057457.D

Acq: 23 Aug 2019 1:56

Instrument :

MSVOA_N

ClientSampleId :

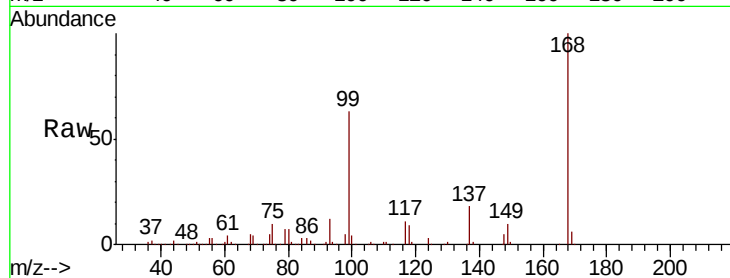
OK-01-082119

Tgt Ion:168 Resp: 441704

Ion Ratio Lower Upper

168 100

99 63.4 50.6 76.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.65

200000

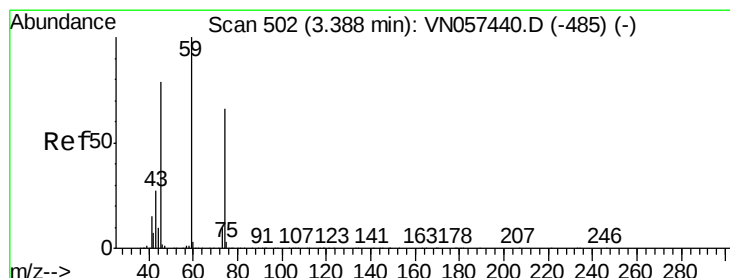
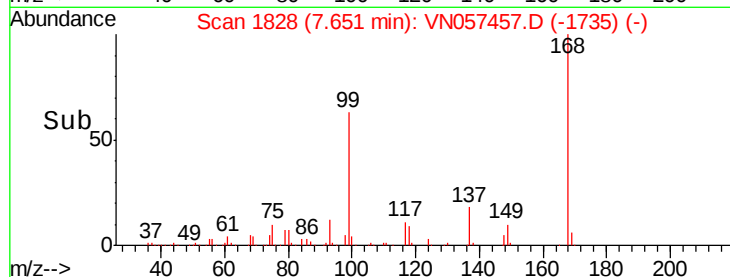
150000

100000

50000

0

Time-->



#8

Diethyl Ether

Concen: Below Cal

RT: 3.39 min Scan# 502

Delta R.T. 0.00 min

Lab File: VN057457.D

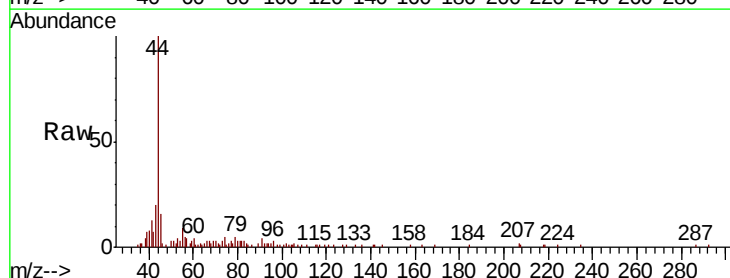
Acq: 23 Aug 2019 1:56

Tgt Ion: 74 Resp: 1796

Ion Ratio Lower Upper

74 100

45 112.8 57.9 173.6



Abundance Ion 74.00 (73.70 to 74.70): VN

Ion 45.00 (44.70 to 45.70): VN

3000

2500

2000

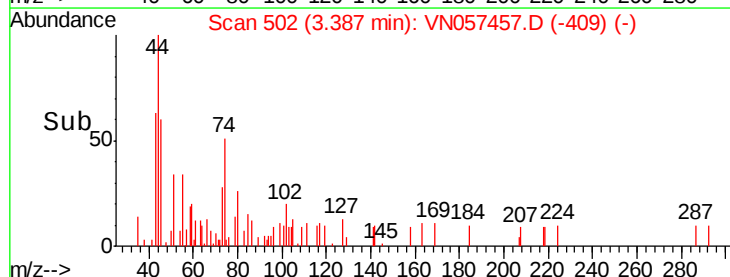
1500

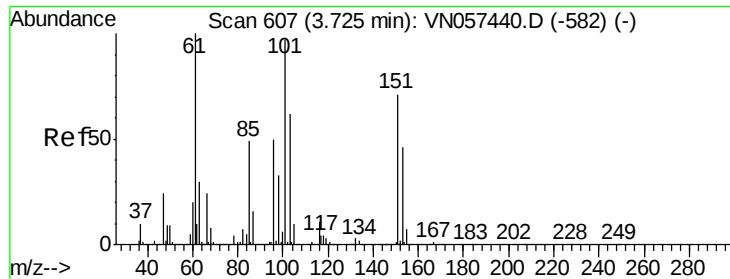
1000

500

0

Time-->





#9

1,1,2-Trichlorotrifluoroethane

Concen: Below Cal

RT: 3.61 min Scan# 571

Delta R.T. -0.12 min

Lab File: VN057457.D

Acq: 23 Aug 2019 1:56

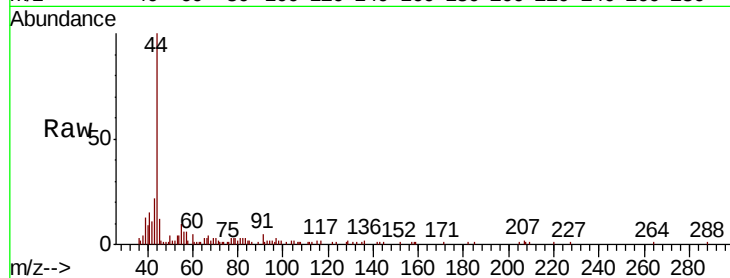
Instrument :

MSVOA_N

ClientSampled :

OK-01-082119

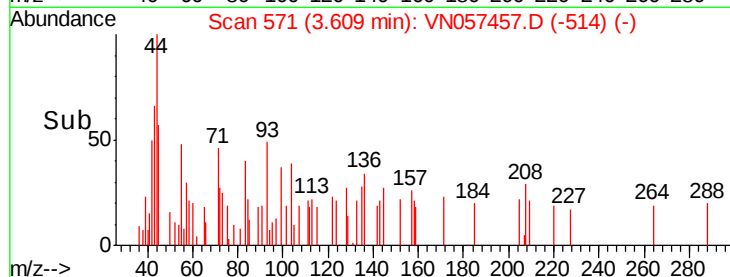
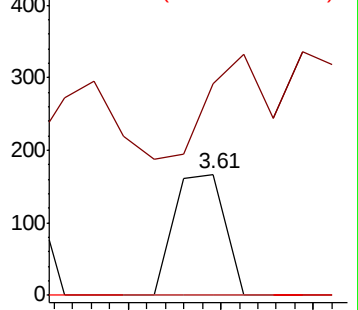
Tgt Ion:	101	Resp:	63
Ion	Ratio	Lower	Upper
101	100		
85	96.8	40.0	60.0#
151	0.0	57.0	85.6#



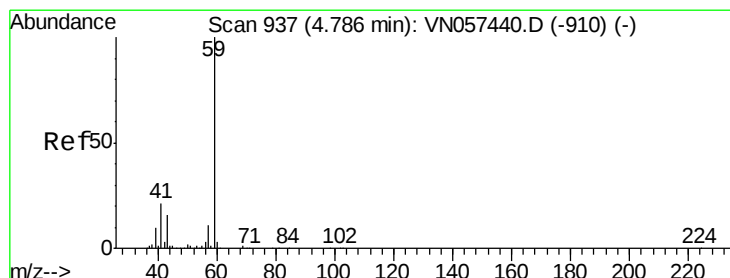
Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



Time-->



#11

Tert butyl alcohol

Concen: 7.453 ug/l

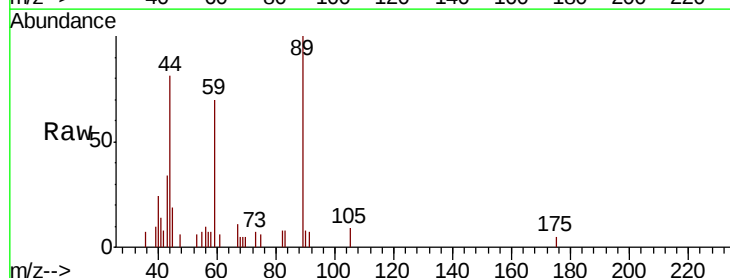
RT: 4.72 min Scan# 915

Delta R.T. -0.07 min

Lab File: VN057457.D

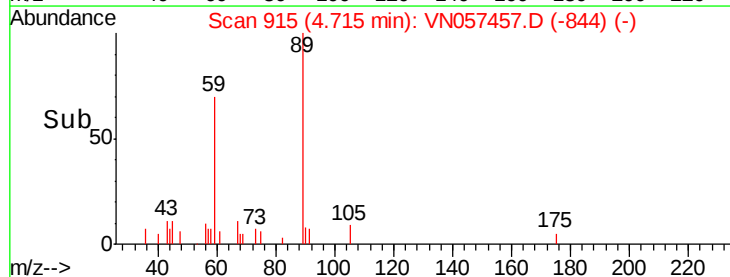
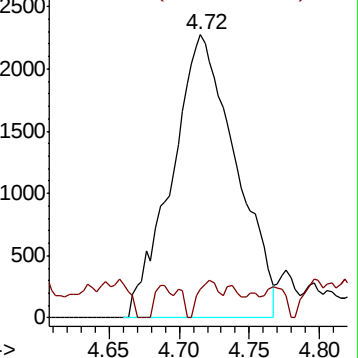
Acq: 23 Aug 2019 1:56

Tgt Ion:	59	Resp:	7195
Ion	Ratio	Lower	Upper
59	100		
57	4.4	9.1	13.7#

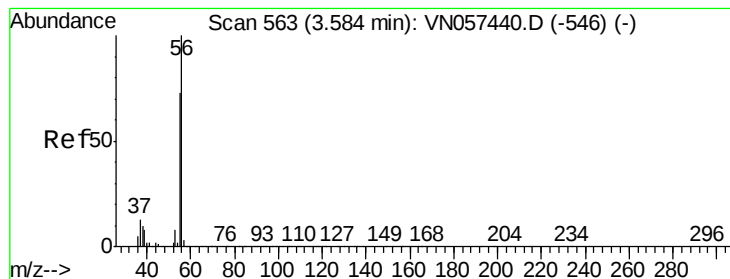


Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0



Time-->



#13

Acrolein

Concen: 0.252 ug/l

RT: 3.59 min Scan# 566

Delta R.T. 0.01 min

Lab File: VN057457.D

Acq: 23 Aug 2019 1:56

Instrument :

MSVOA_N

ClientSampleId :

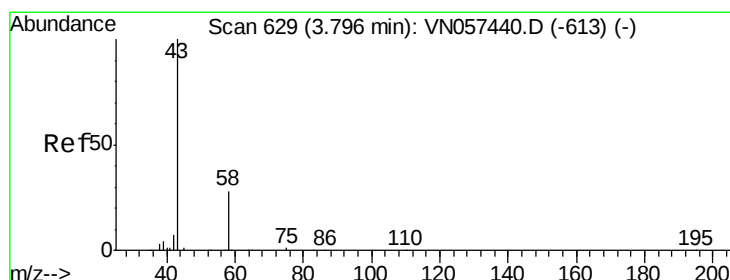
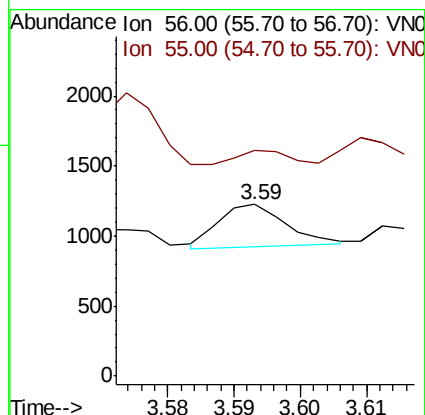
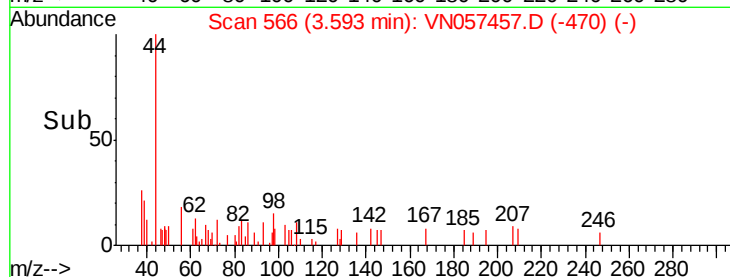
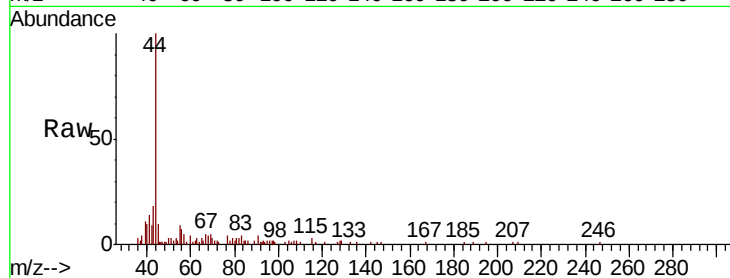
OK-01-082119

Tgt Ion: 56 Resp: 214

Ion Ratio Lower Upper

56 100

55 0.0 59.0 88.4#



#16

Acetone

Concen: 3.062 ug/l

RT: 3.80 min Scan# 630

Delta R.T. 0.00 min

Lab File: VN057457.D

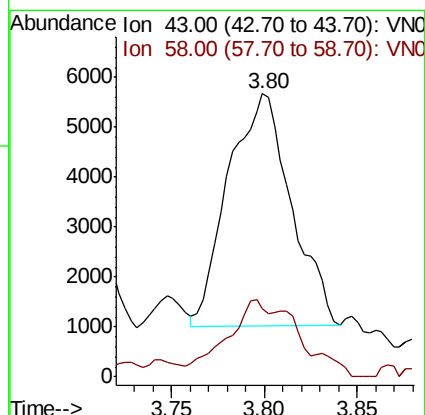
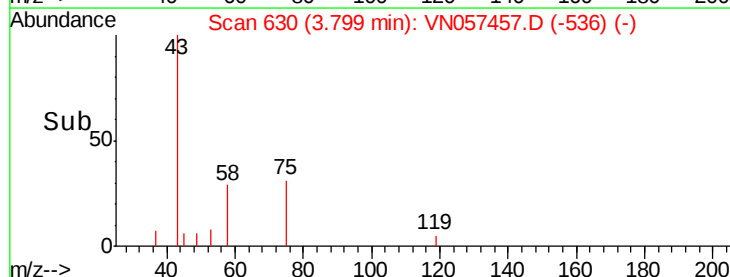
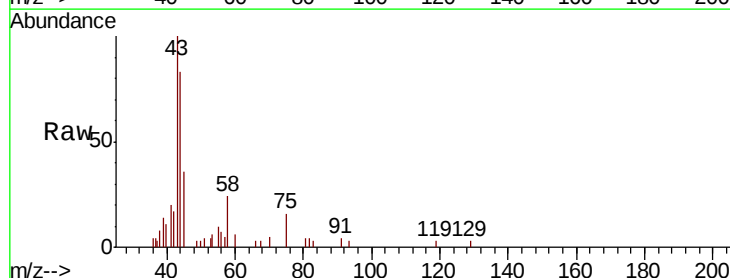
Acq: 23 Aug 2019 1:56

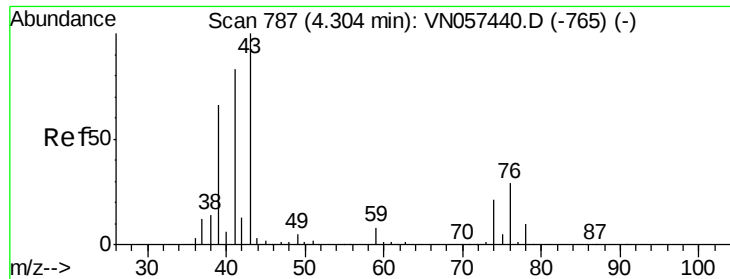
Tgt Ion: 43 Resp: 10928

Ion Ratio Lower Upper

43 100

58 23.6 22.1 33.1

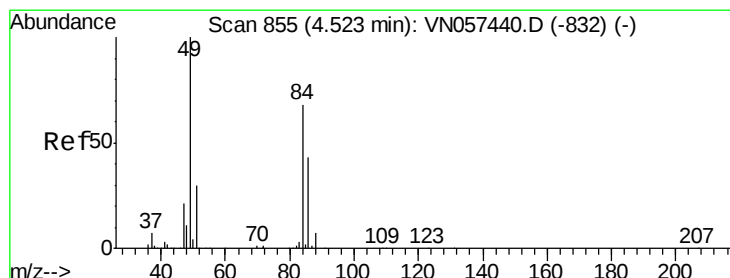
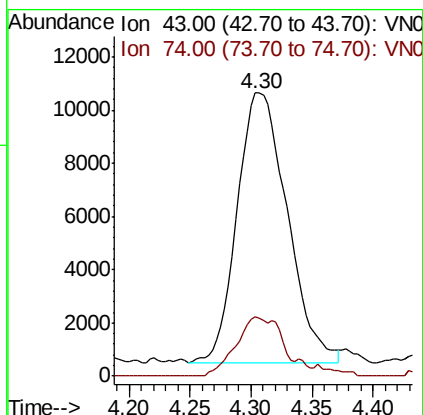
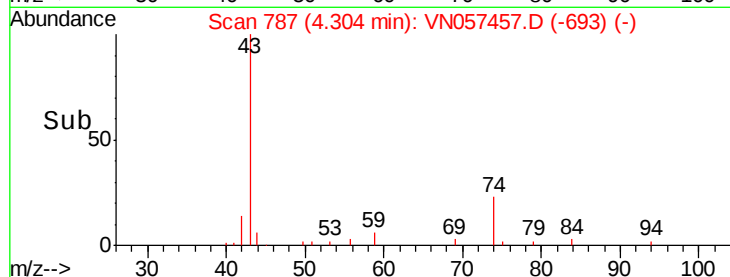
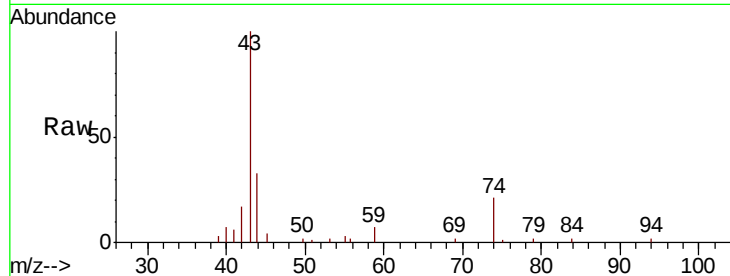




#18
Methyl Acetate
Concen: 2.854 ug/l
RT: 4.30 min Scan# 787
Delta R.T. 0.00 min
Lab File: VN057457.D
Acq: 23 Aug 2019 1:56

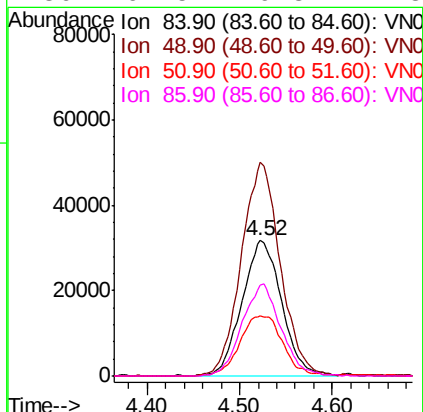
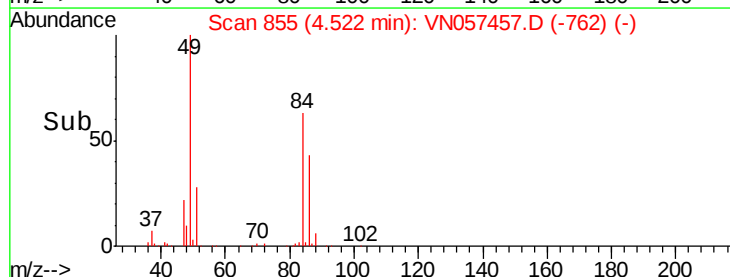
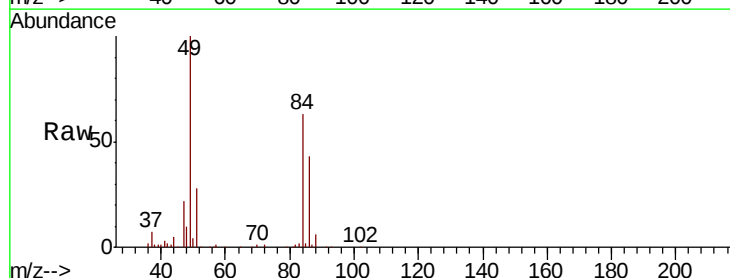
Instrument :
MSVOA_N
ClientSampleId :
OK-01-082119

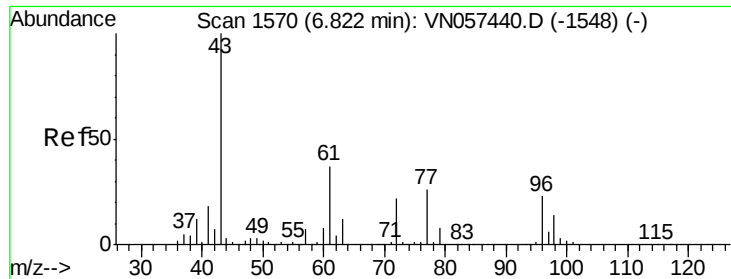
Tgt Ion: 43 Resp: 28904
Ion Ratio Lower Upper
43 100
74 20.8 15.9 23.9



#20
Methylene Chloride
Concen: 17.762 ug/l
RT: 4.52 min Scan# 855
Delta R.T. 0.00 min
Lab File: VN057457.D
Acq: 23 Aug 2019 1:56

Tgt Ion: 84 Resp: 94228
Ion Ratio Lower Upper
84 100
49 157.5 117.0 175.4
51 44.4 35.5 53.3
86 67.5 49.8 74.8





#25

2-Butanone

Concen: 0.785 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.01 min

Lab File: VN057457.D

Acq: 23 Aug 2019 1:56

Instrument :

MSVOA_N

ClientSampleId :

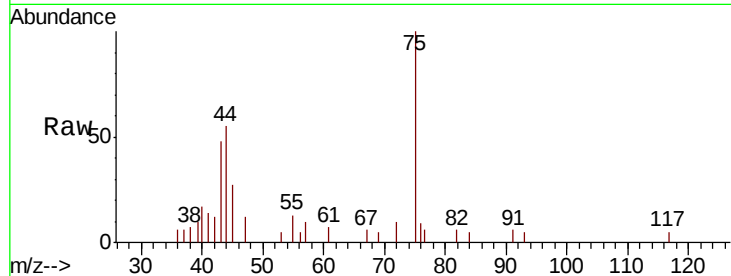
OK-01-082119

Tgt Ion: 43 Resp: 3042

Ion Ratio Lower Upper

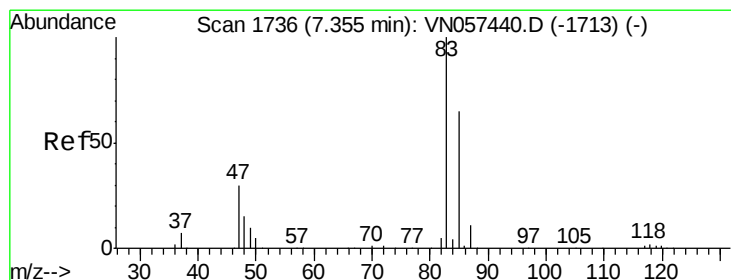
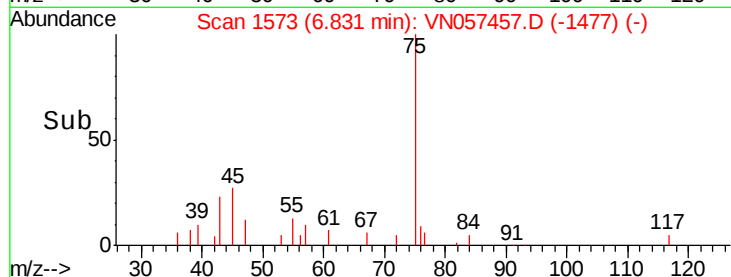
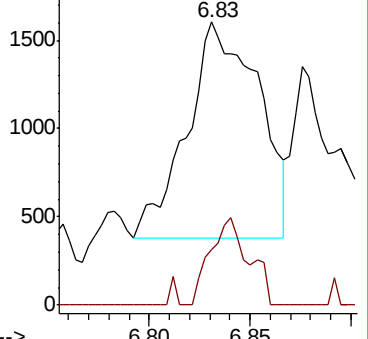
43 100

72 25.9 17.8 26.8



Abundance Ion 43.00 (42.70 to 43.70): VN057440.D (-1548) (-)

Ion 72.00 (71.70 to 72.70): VN057440.D (-1548) (-)



#30

Chloroform

Concen: 0.978 ug/l

RT: 7.35 min Scan# 1734

Delta R.T. -0.01 min

Lab File: VN057457.D

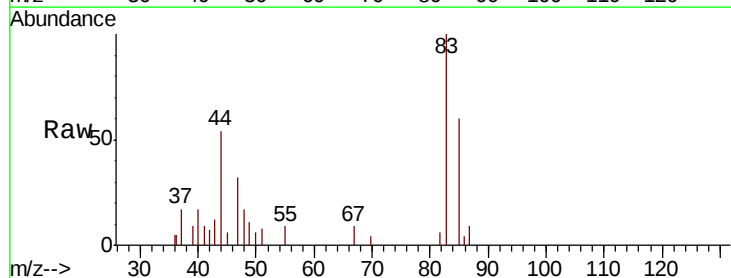
Acq: 23 Aug 2019 1:56

Tgt Ion: 83 Resp: 9518

Ion Ratio Lower Upper

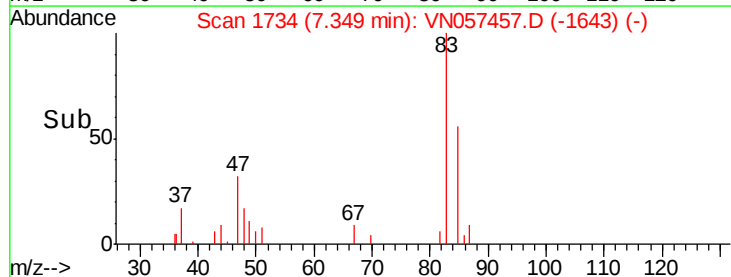
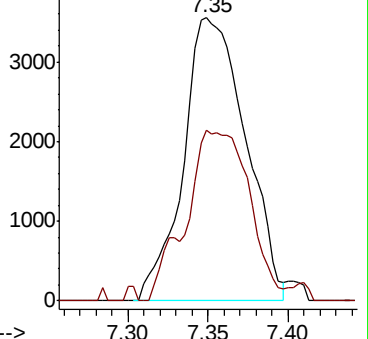
83 100

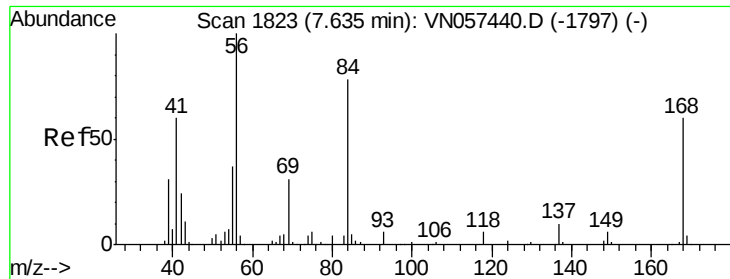
85 55.9 51.9 77.9



Abundance Ion 82.90 (82.60 to 83.60): VN057440.D (-1713) (-)

Ion 84.90 (84.60 to 85.60): VN057440.D (-1713) (-)

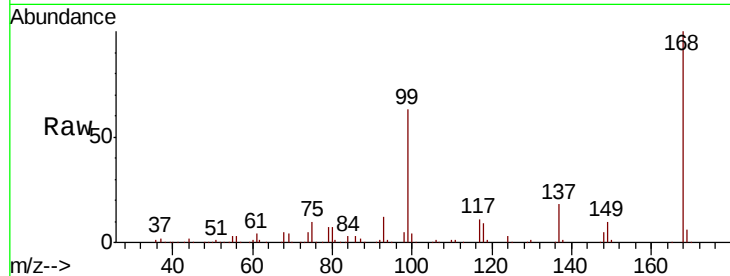




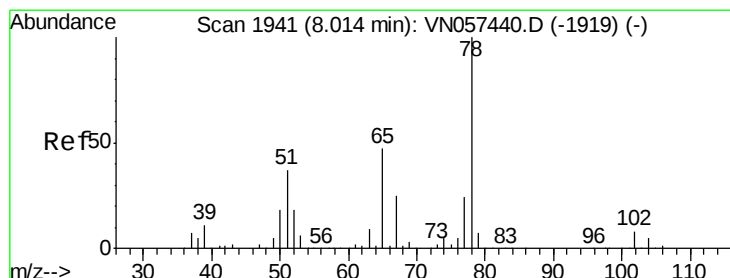
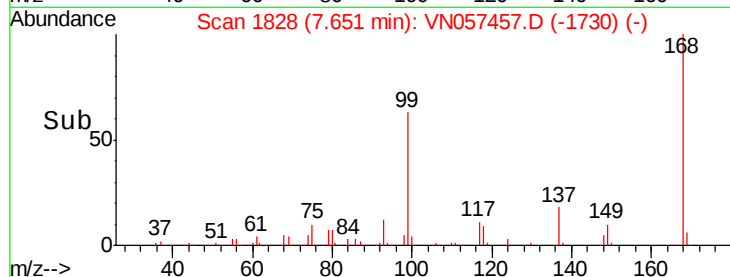
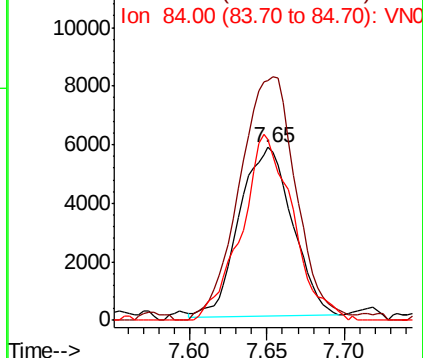
#31
Cyclohexane
Concen: 1.265 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. 0.02 min
Lab File: VN057457.D
Acq: 23 Aug 2019 1:56

Instrument :
MSVOA_N
ClientSampleId :
OK-01-082119

Tgt Ion: 56 Resp: 13809
Ion Ratio Lower Upper
56 100
69 143.1 25.0 37.6#
84 108.2 62.5 93.7#

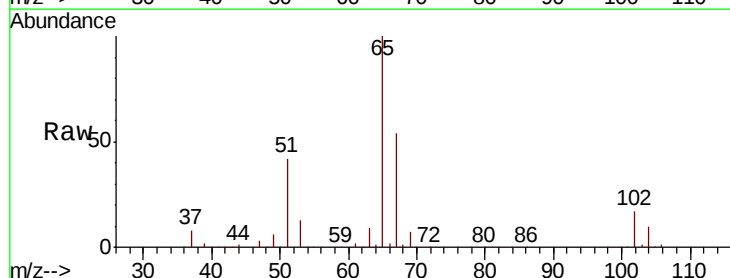


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

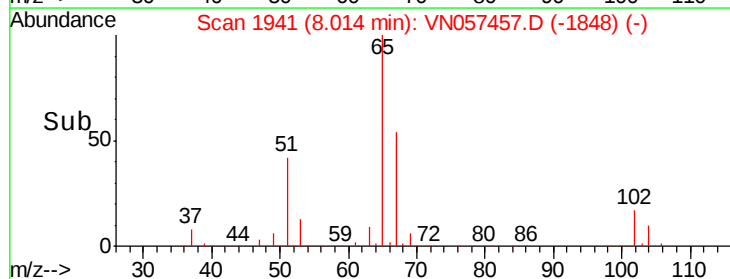
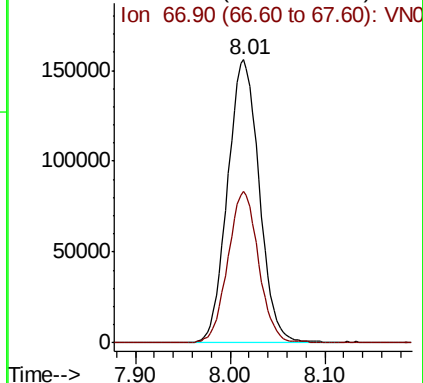


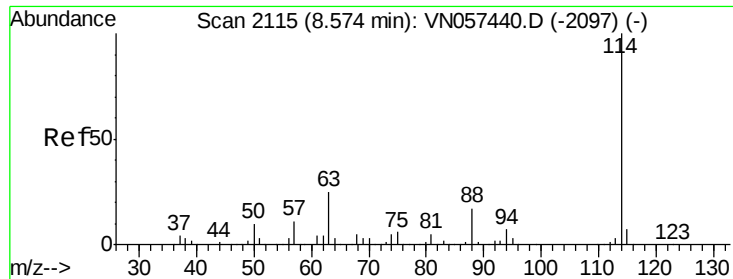
#33
1,2-Dichloroethane-d4
Concen: 46.779 ug/l
RT: 8.01 min Scan# 1941
Delta R.T. -0.00 min
Lab File: VN057457.D
Acq: 23 Aug 2019 1:56

Tgt Ion: 65 Resp: 363482
Ion Ratio Lower Upper
65 100
67 51.6 0.0 103.8



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

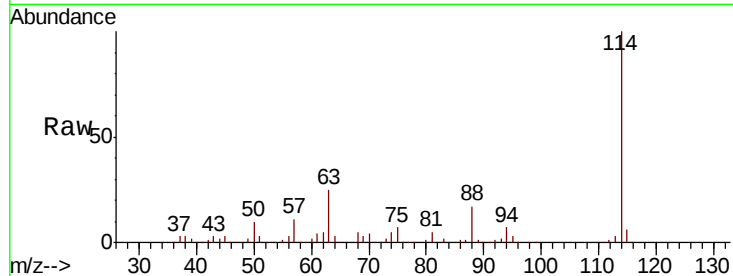




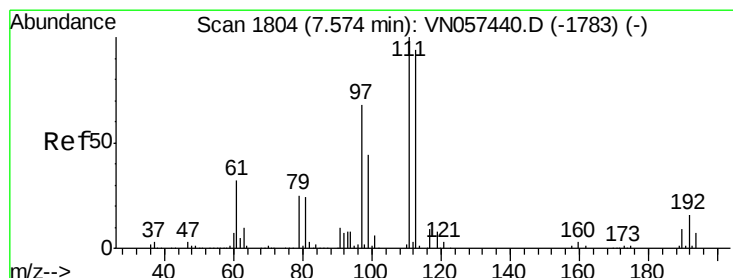
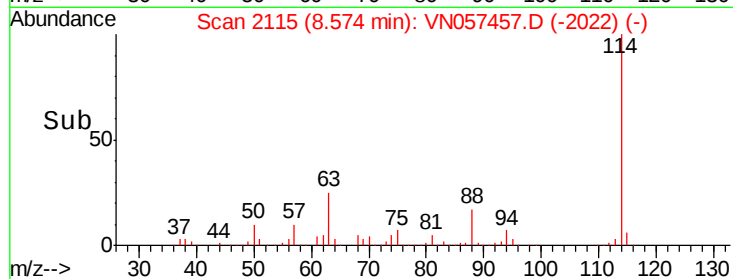
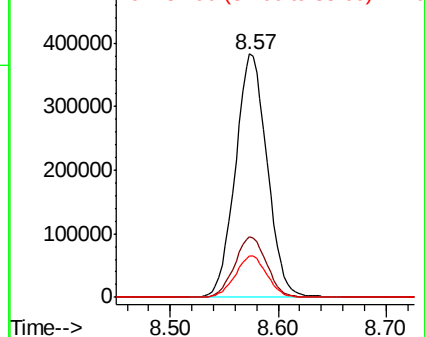
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. -0.00 min
 Lab File: VN057457.D
 Acq: 23 Aug 2019 1:56

Instrument :
 MSVOA_N
 ClientSampleId :
 OK-01-082119

Tgt Ion:114 Resp: 786389
 Ion Ratio Lower Upper
 114 100
 63 24.8 0.0 50.2
 88 16.9 0.0 34.6

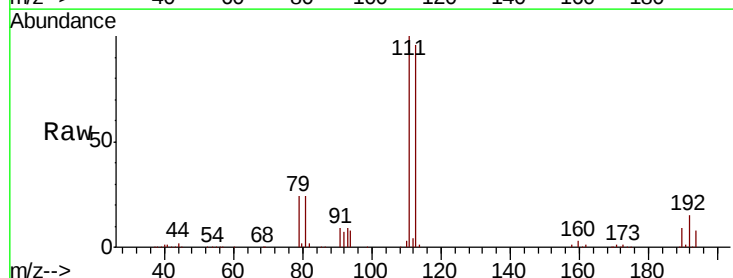


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

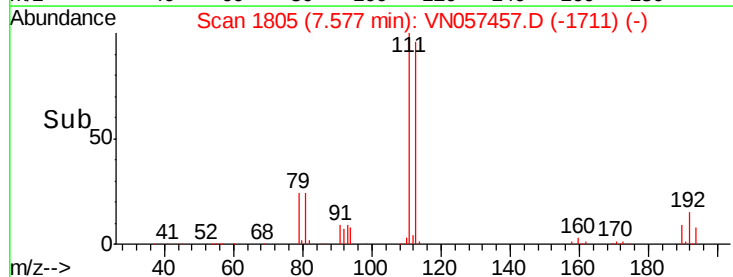
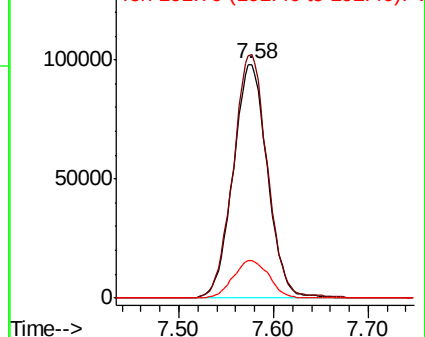


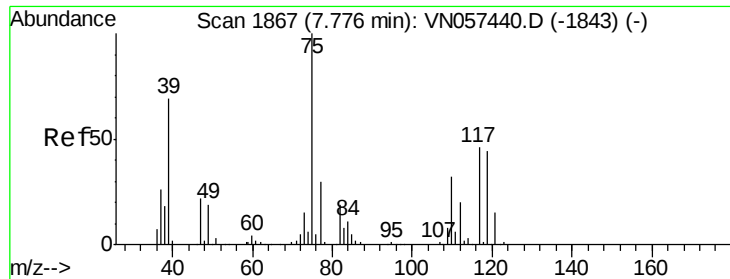
#35
 Dibromofluoromethane
 Concen: 46.476 ug/l
 RT: 7.58 min Scan# 1805
 Delta R.T. 0.00 min
 Lab File: VN057457.D
 Acq: 23 Aug 2019 1:56

Tgt Ion:113 Resp: 246868
 Ion Ratio Lower Upper
 113 100
 111 103.8 83.8 125.6
 192 16.8 13.5 20.3



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

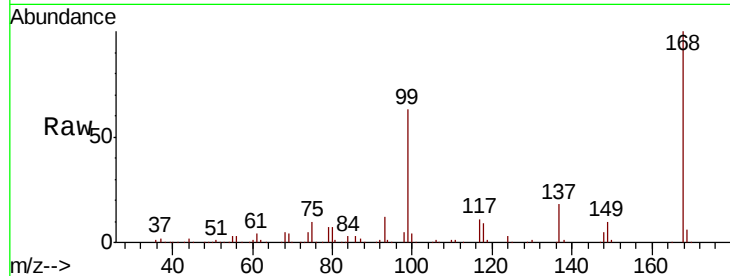




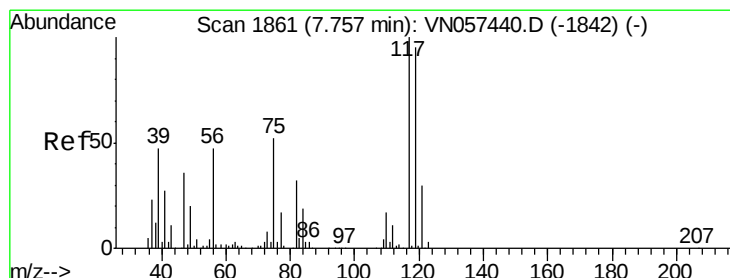
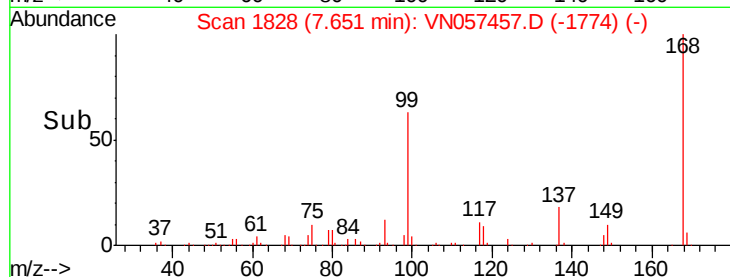
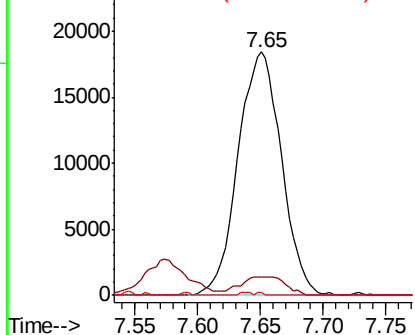
#36
 1,1-Dichloropropene
 Concen: 5.508 ug/l
 RT: 7.65 min Scan# 1828
 Delta R.T. -0.13 min
 Lab File: VN057457.D
 Acq: 23 Aug 2019 1:56

Instrument :
 MSVOA_N
 ClientSampleId :
 OK-01-082119

Tgt Ion: 75 Resp: 44257
 Ion Ratio Lower Upper
 75 100
 110 8.1 16.1 48.3#
 77 0.2 24.8 37.2#

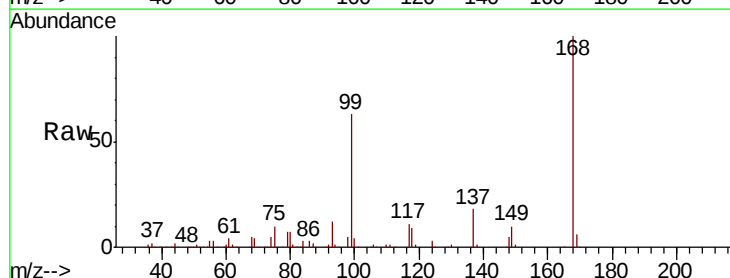


Abundance Ion 74.90 (74.60 to 75.60): VN0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VN0

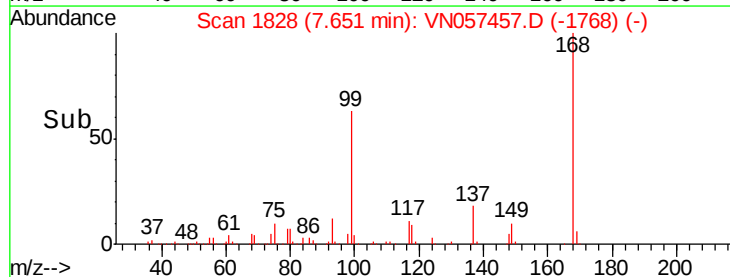
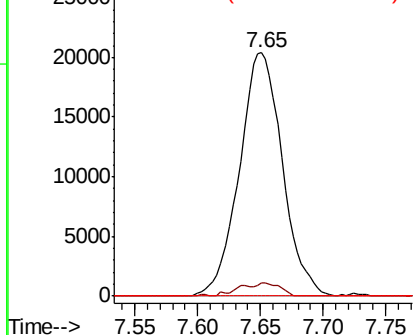


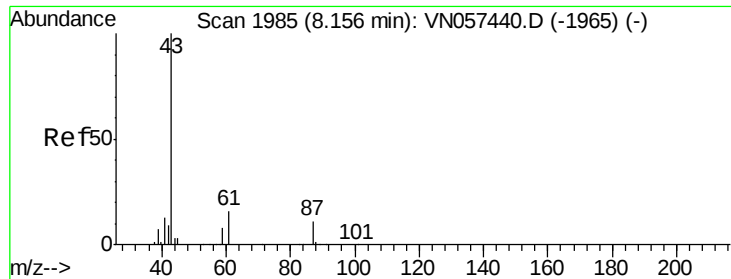
#38
 Carbon Tetrachloride
 Concen: 6.080 ug/l
 RT: 7.65 min Scan# 1828
 Delta R.T. -0.11 min
 Lab File: VN057457.D
 Acq: 23 Aug 2019 1:56

Tgt Ion: 117 Resp: 48532
 Ion Ratio Lower Upper
 117 100
 119 5.3 76.2 114.4#
 121 0.0 23.8 35.6#



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





#43

Isopropyl Acetate

Concen: 8.562 ug/l

RT: 8.16 min Scan# 1985

Delta R.T. -0.00 min

Lab File: VN057457.D

Acq: 23 Aug 2019 1:56

Instrument :

MSVOA_N

ClientSampleId :

OK-01-082119

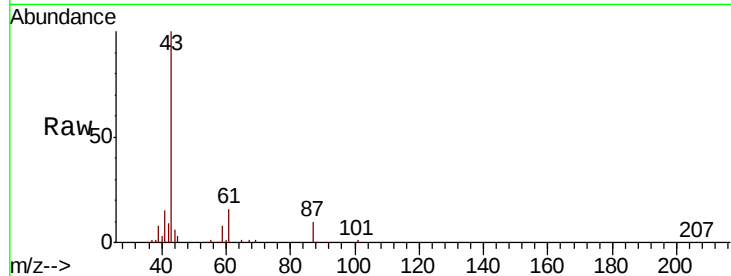
Tgt Ion: 43 Resp: 124660

Ion Ratio Lower Upper

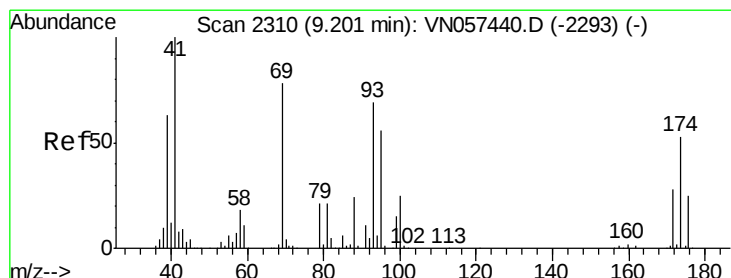
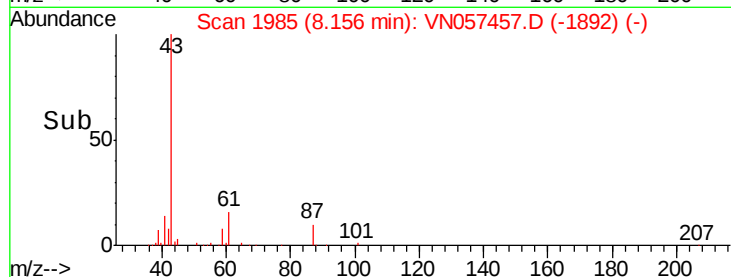
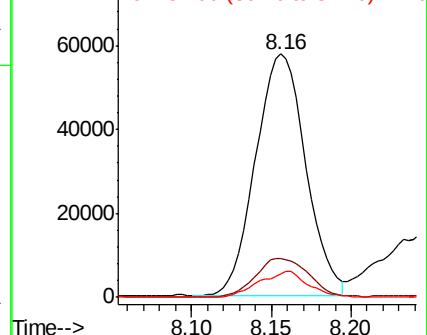
43 100

61 17.2 14.5 21.7

87 10.5 8.6 12.8



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



#46

Dibromomethane

Concen: Below Cal

RT: 9.19 min Scan# 2308

Delta R.T. -0.01 min

Lab File: VN057457.D

Acq: 23 Aug 2019 1:56

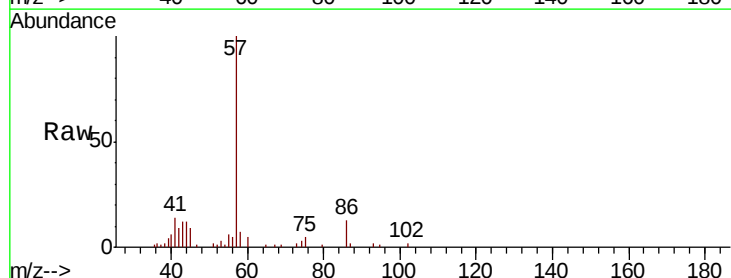
Tgt Ion: 93 Resp: 138

Ion Ratio Lower Upper

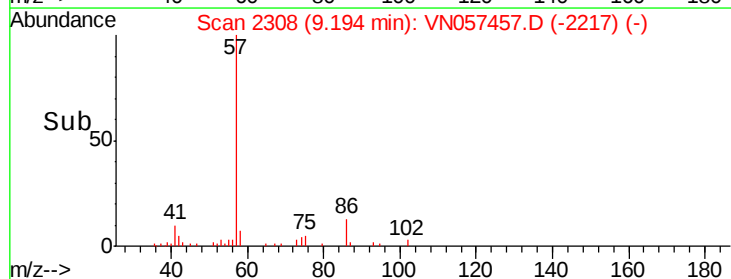
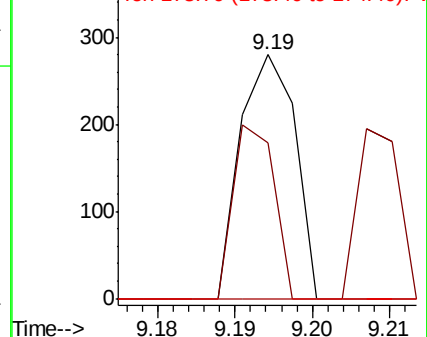
93 100

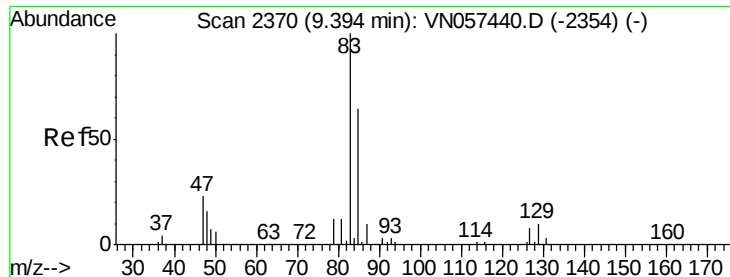
95 52.9 64.7 97.1#

174 0.0 62.3 93.5#



Abundance Ion 92.80 (92.50 to 93.50): VN0
Ion 94.80 (94.50 to 95.50): VN0
Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 0.262 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. -0.00 min

Lab File: VN057457.D

Acq: 23 Aug 2019 1:56

Instrument :

MSVOA_N

ClientSampleId :

OK-01-082119

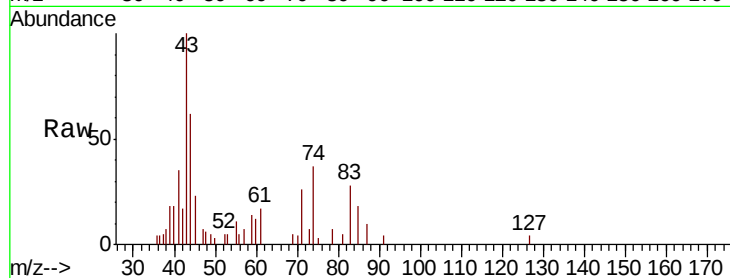
Tgt Ion: 83 Resp: 2348

Ion Ratio Lower Upper

83 100

85 62.1 51.2 76.8

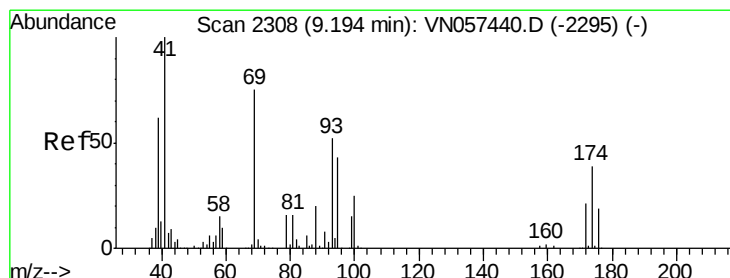
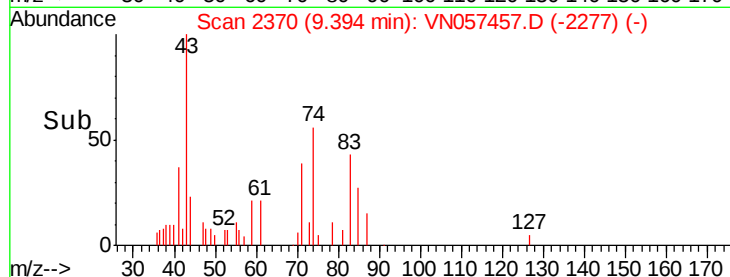
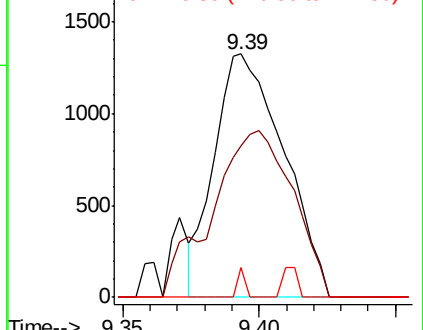
127 12.4 6.6 10.0#



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 126.80 (126.50 to 127.50): VN0



#48

Methyl methacrylate

Concen: 0.899 ug/l

RT: 9.17 min Scan# 2301

Delta R.T. -0.02 min

Lab File: VN057457.D

Acq: 23 Aug 2019 1:56

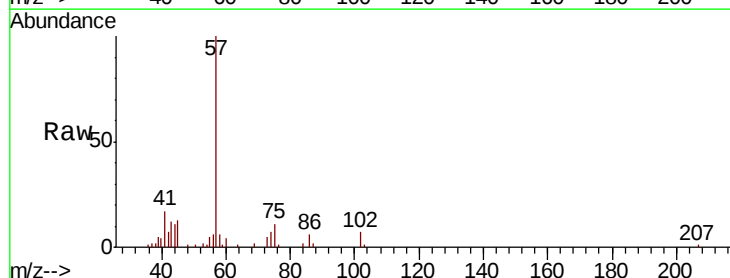
Tgt Ion: 41 Resp: 6222

Ion Ratio Lower Upper

41 100

69 3.8 59.3 88.9#

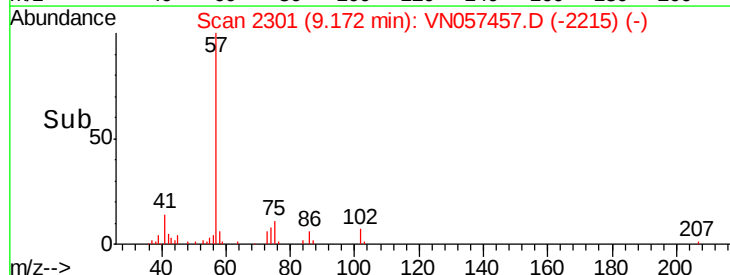
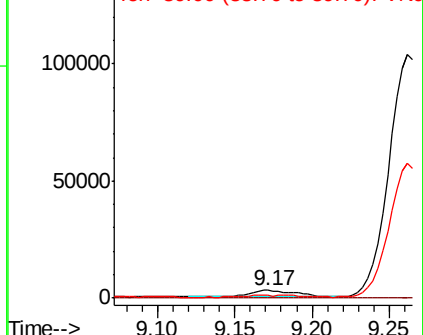
39 0.0 50.6 75.8#

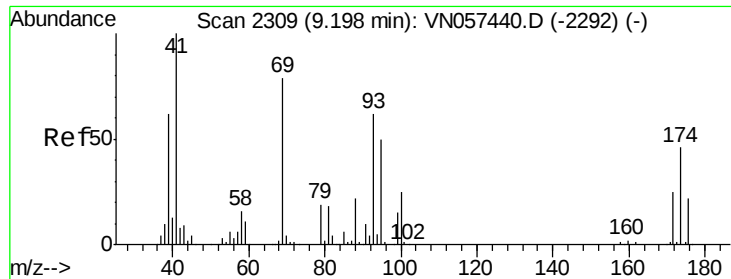


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#49

1,4-Dioxane

Concen: 3.396 ug/l

RT: 9.26 min Scan# 2329

Delta R.T. 0.06 min

Lab File: VN057457.D

Acq: 23 Aug 2019 1:56

Instrument :

MSVOA_N

ClientSampled :

OK-01-082119

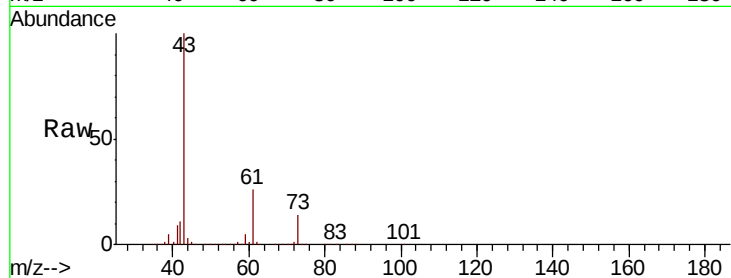
Tgt Ion: 88 Resp: 304

Ion Ratio Lower Upper

88 100

43 671324.3 31.0 46.6#

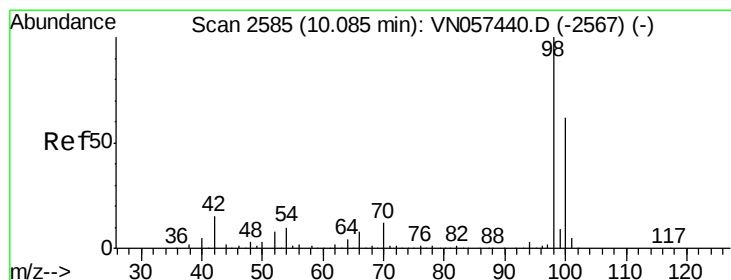
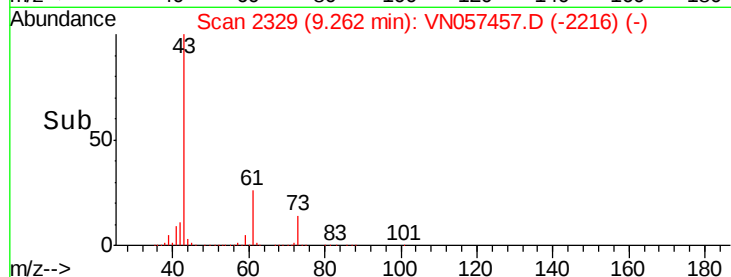
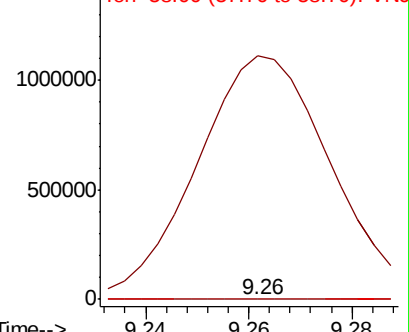
58 2653.3 64.5 96.7#



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: 48.966 ug/l

RT: 10.08 min Scan# 2585

Delta R.T. -0.00 min

Lab File: VN057457.D

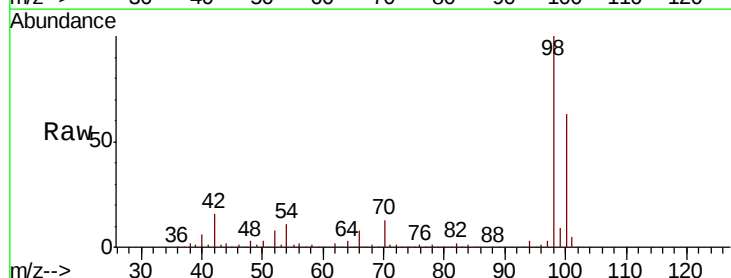
Acq: 23 Aug 2019 1:56

Tgt Ion: 98 Resp: 983464

Ion Ratio Lower Upper

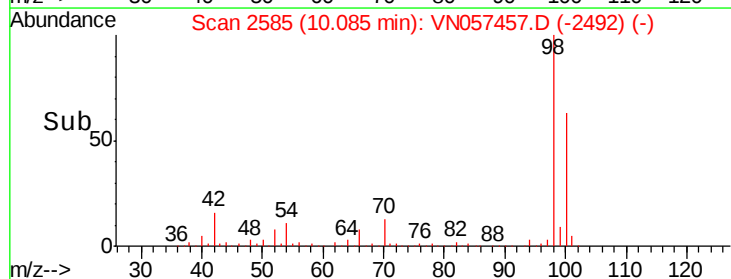
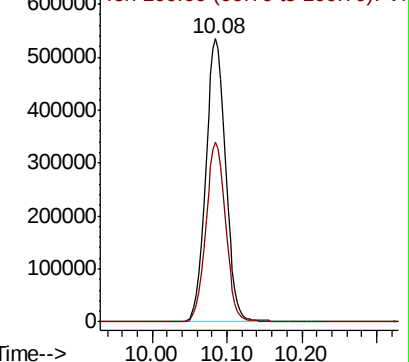
98 100

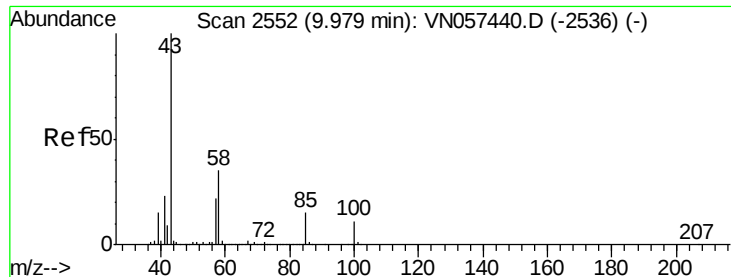
100 62.6 50.4 75.6



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0

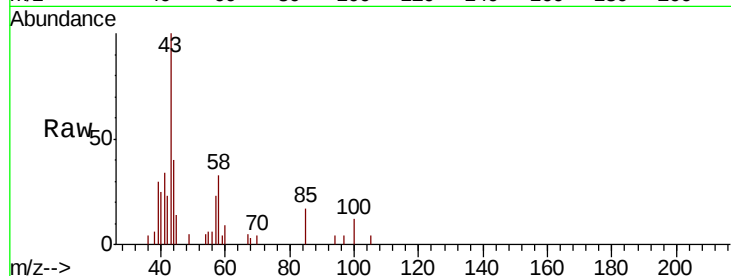




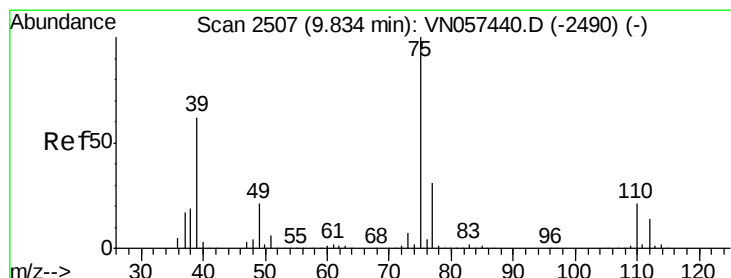
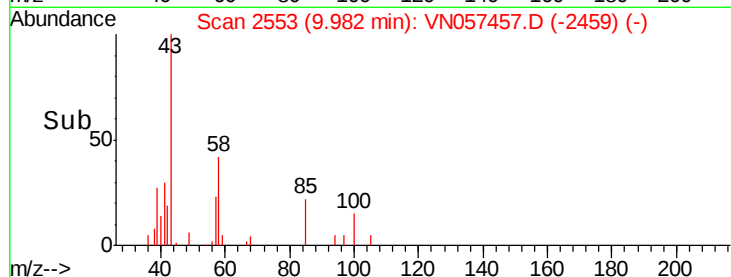
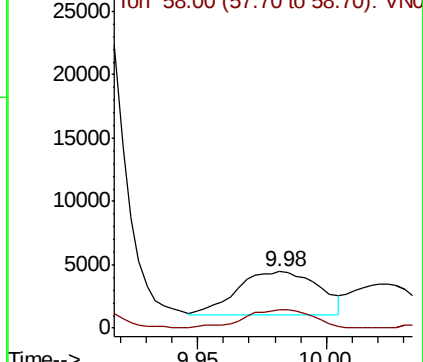
#51
 4-Methyl-2-Pentanone
 Concen: 0.943 ug/l
 RT: 9.98 min Scan# 2553
 Delta R.T. 0.00 min
 Lab File: VN057457.D
 Acq: 23 Aug 2019 1:56

Instrument :
 MSVOA_N
 ClientSampleId :
 OK-01-082119

Tgt Ion: 43 Resp: 7653
 Ion Ratio Lower Upper
 43 100
 58 35.8 27.9 41.9

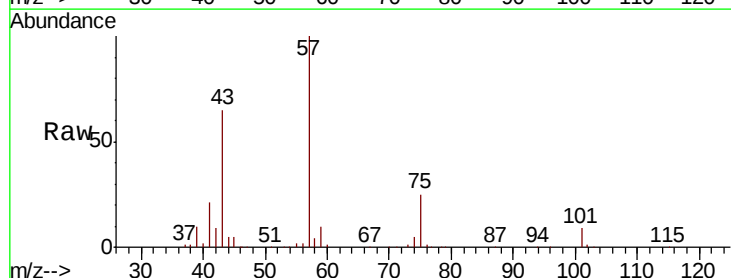


Abundance Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

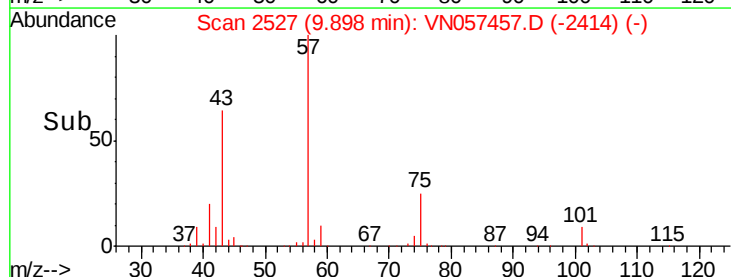
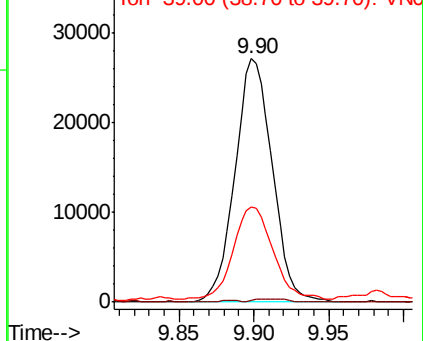


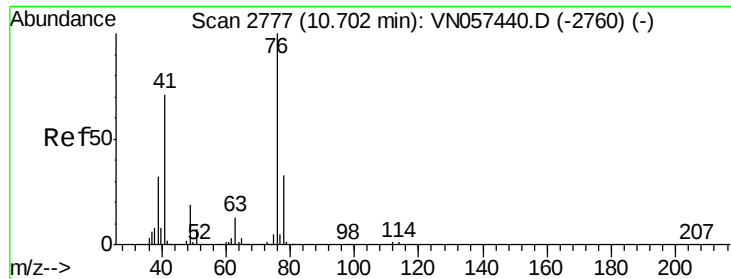
#54
 cis-1,3-Dichloropropene
 Concen: 4.503 ug/l
 RT: 9.90 min Scan# 2527
 Delta R.T. 0.06 min
 Lab File: VN057457.D
 Acq: 23 Aug 2019 1:56

Tgt Ion: 75 Resp: 47059
 Ion Ratio Lower Upper
 75 100
 77 0.6 25.0 37.6#
 39 37.5 49.2 73.8#



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-Dichloropropane

Concen: 0.752 ug/l

RT: 10.76 min Scan# 2795

Delta R.T. 0.06 min

Lab File: VN057457.D

Acq: 23 Aug 2019 1:56

Instrument :

MSVOA_N

ClientSampleId :

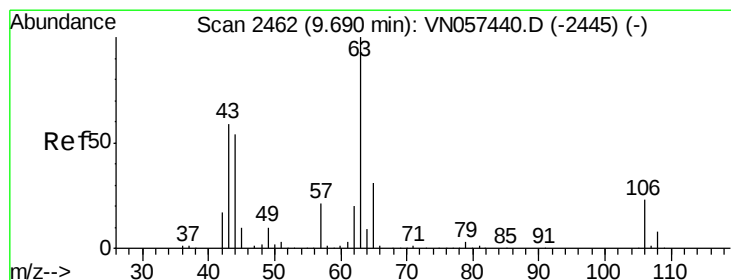
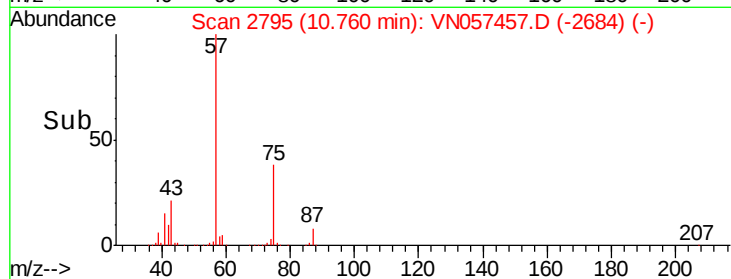
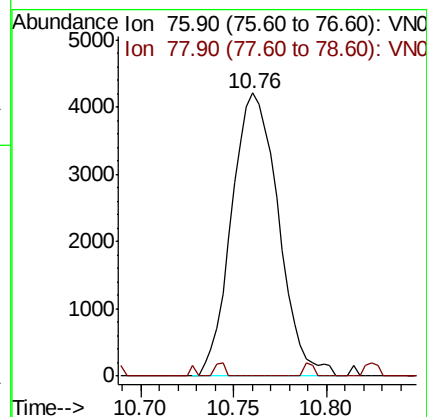
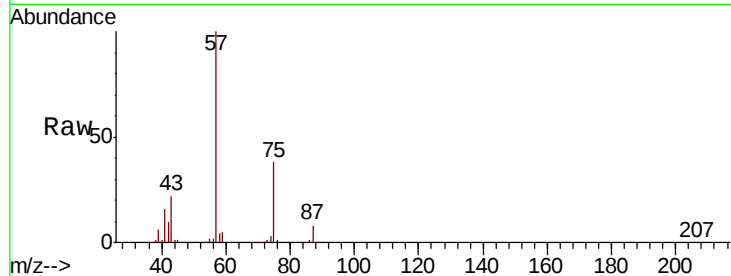
OK-01-082119

Tgt Ion: 76 Resp: 7359

Ion Ratio Lower Upper

76 100

78 1.0 25.5 38.3#



#58

2-Chloroethyl Vinyl ether

Concen: 17.091 ug/l

RT: 9.70 min Scan# 2465

Delta R.T. 0.01 min

Lab File: VN057457.D

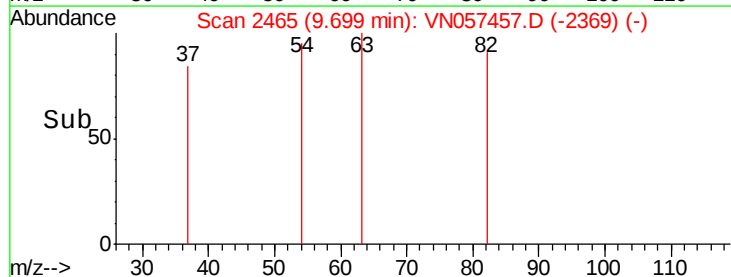
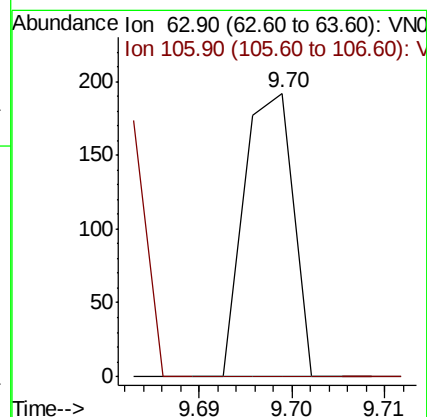
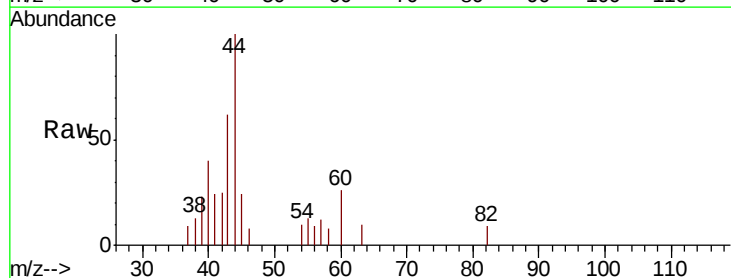
Acq: 23 Aug 2019 1:56

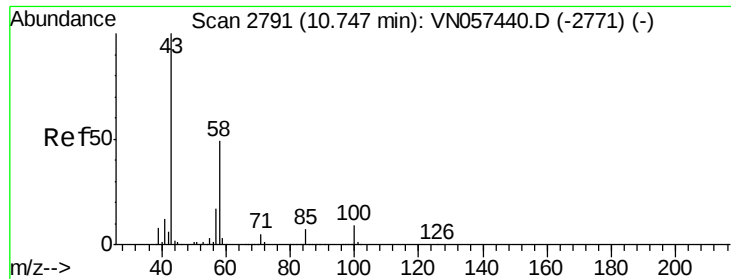
Tgt Ion: 63 Resp: 71

Ion Ratio Lower Upper

63 100

106 95.8 18.6 27.8#

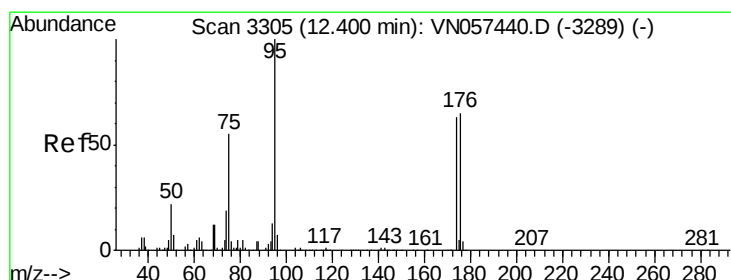
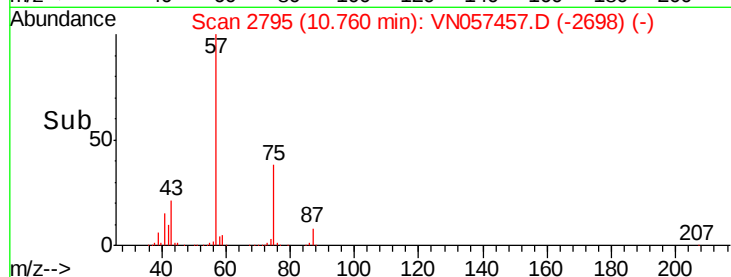
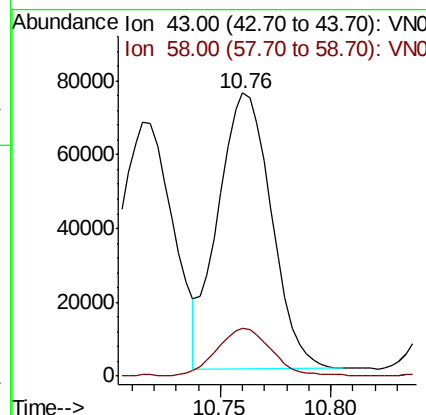
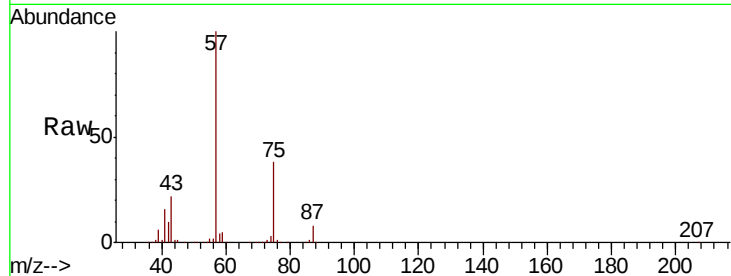




#59
2-Hexanone
Concen: 22.491 ug/l
RT: 10.76 min Scan# 2795
Delta R.T. 0.01 min
Lab File: VN057457.D
Acq: 23 Aug 2019 1:56

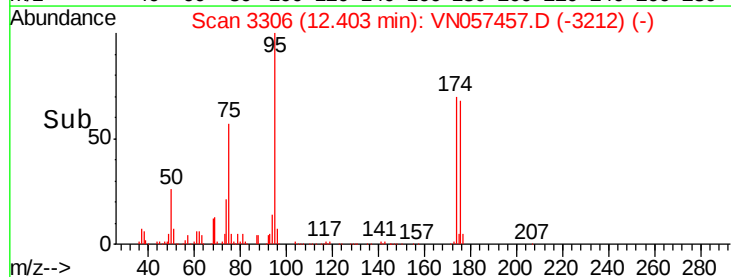
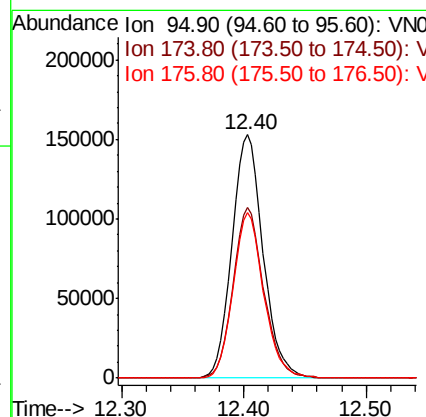
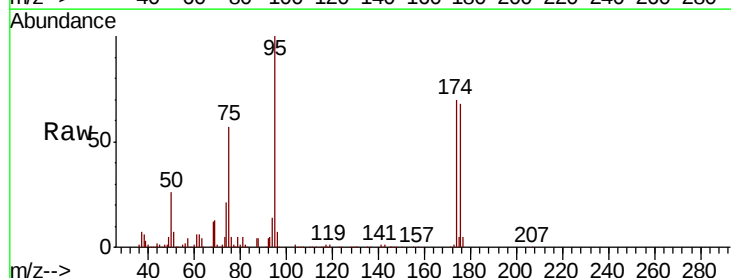
Instrument :
MSVOA_N
ClientSampleId :
OK-01-082119

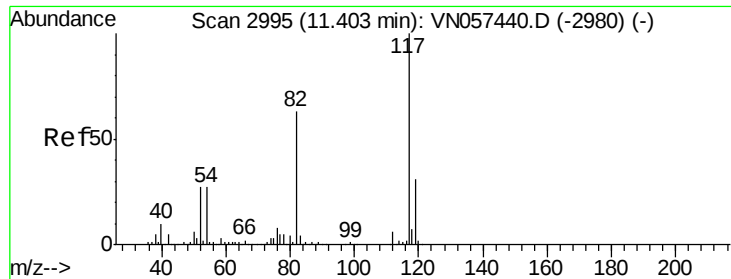
Tgt Ion: 43 Resp: 125167
Ion Ratio Lower Upper
43 100
58 17.6 24.6 73.6#



#62
4-Bromofluorobenzene
Concen: 40.094 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN057457.D
Acq: 23 Aug 2019 1:56

Tgt Ion: 95 Resp: 272896
Ion Ratio Lower Upper
95 100
174 69.0 0.0 133.0
176 66.7 0.0 130.8

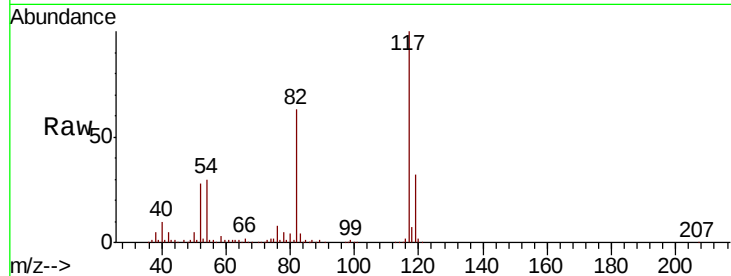




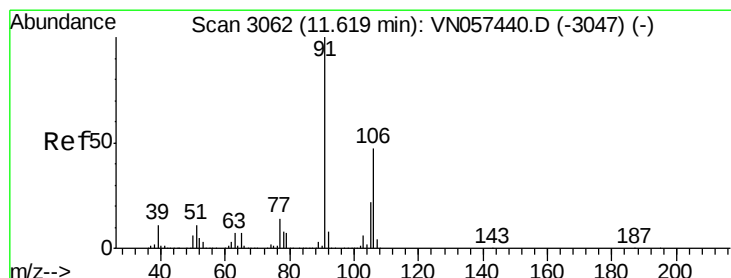
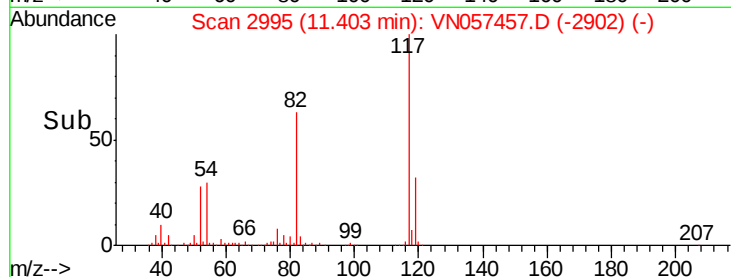
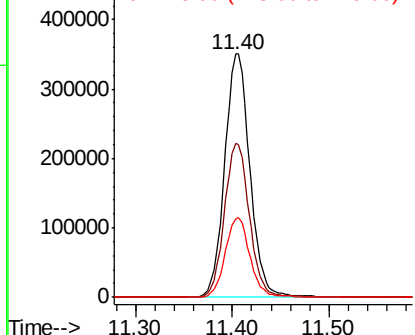
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. -0.00 min
Lab File: VN057457.D
Acq: 23 Aug 2019 1:56

Instrument :
MSVOA_N
ClientSampleId :
OK-01-082119

Tgt Ion:117 Resp: 635801
Ion Ratio Lower Upper
117 100
82 63.4 50.6 75.8
119 32.4 24.6 36.8

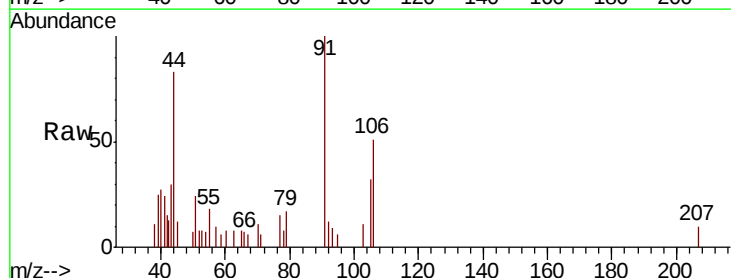


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VN
Ion 118.90 (118.60 to 119.60): V

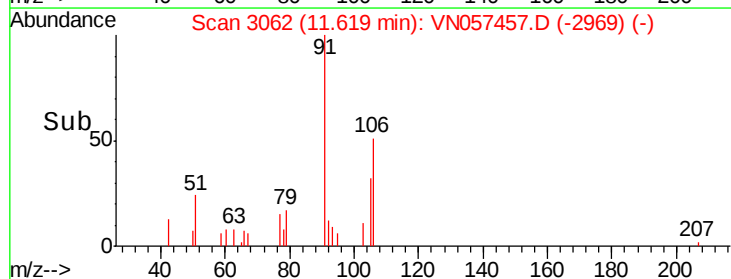
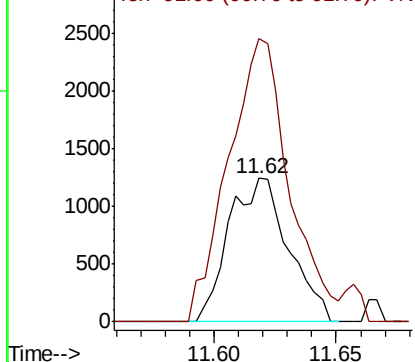


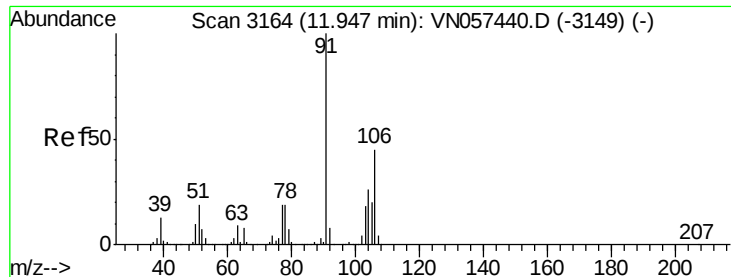
#68
m/p-Xylenes
Concen: 0.250 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN057457.D
Acq: 23 Aug 2019 1:56

Tgt Ion:106 Resp: 2114
Ion Ratio Lower Upper
106 100
91 200.9 171.8 257.6



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

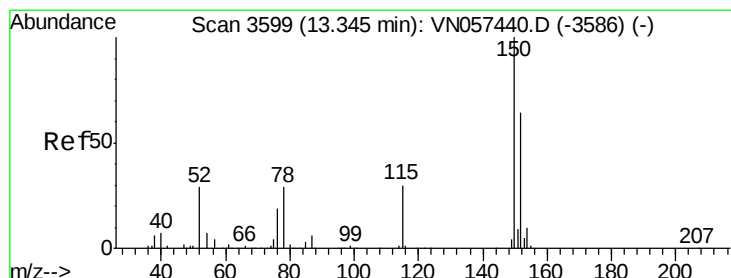
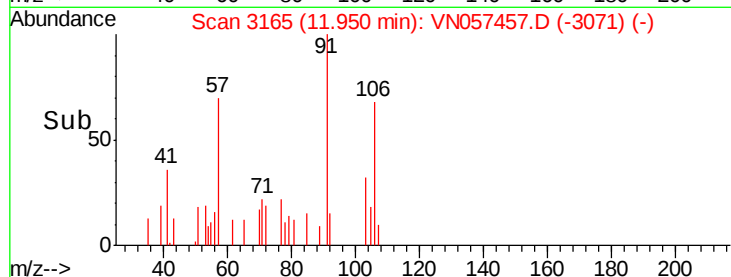
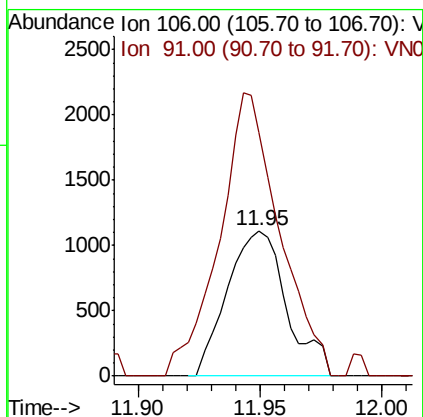
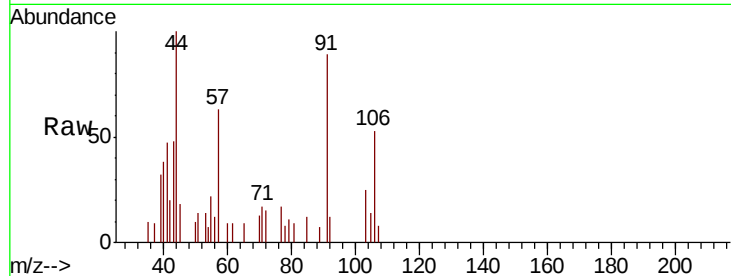




#69
o-Xylene
Concen: 0.224 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN057457.D
Acq: 23 Aug 2019 1:56

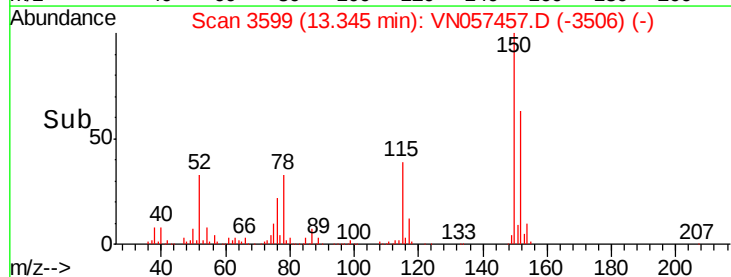
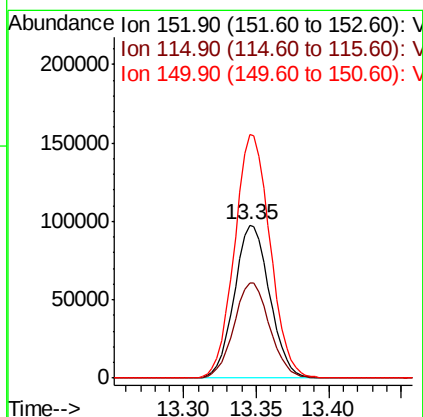
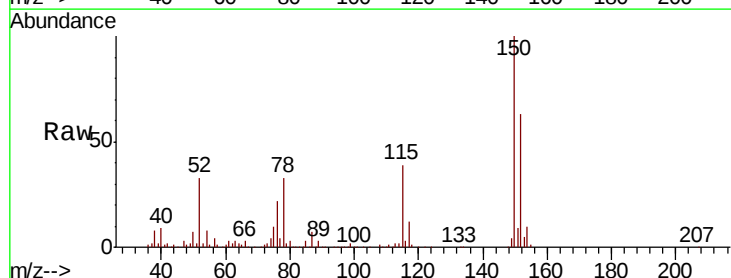
Instrument :
MSVOA_N
ClientSampleId :
OK-01-082119

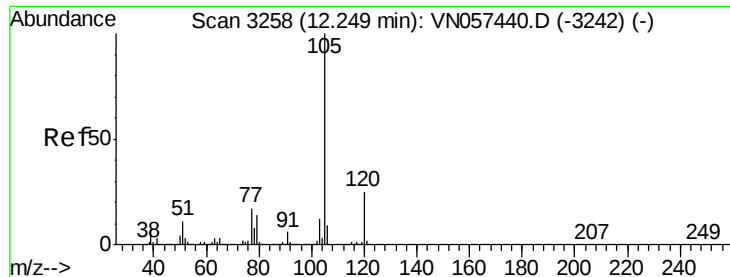
Tgt Ion:106 Resp: 1874
Ion Ratio Lower Upper
106 100
91 198.0 112.3 336.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. -0.00 min
Lab File: VN057457.D
Acq: 23 Aug 2019 1:56

Tgt Ion:152 Resp: 164906
Ion Ratio Lower Upper
152 100
115 63.4 32.0 96.0
150 160.9 0.0 346.6





#73

Isopropylbenzene

Concen: Below Cal

RT: 12.25 min Scan# 3257

Delta R.T. -0.00 min

Lab File: VN057457.D

Acq: 23 Aug 2019 1:56

Instrument :

MSVOA_N

ClientSampled :

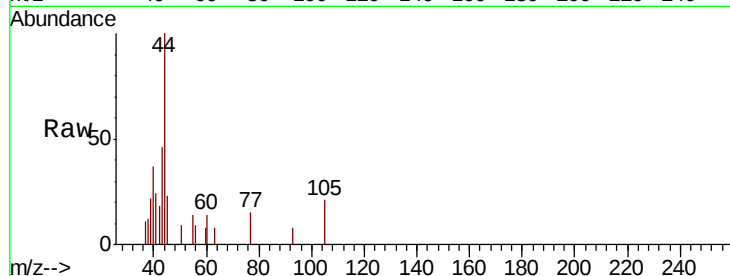
OK-01-082119

Tgt Ion: 105 Resp: 536

Ion Ratio Lower Upper

105 100

120 25.4 12.7 38.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

400

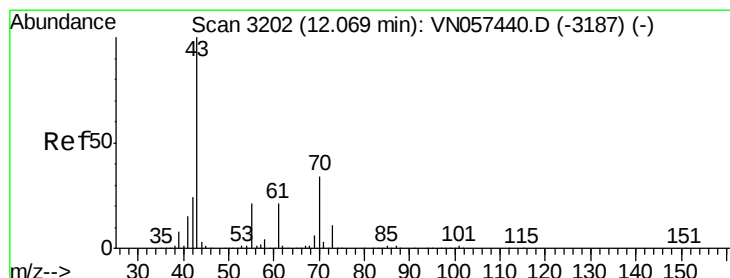
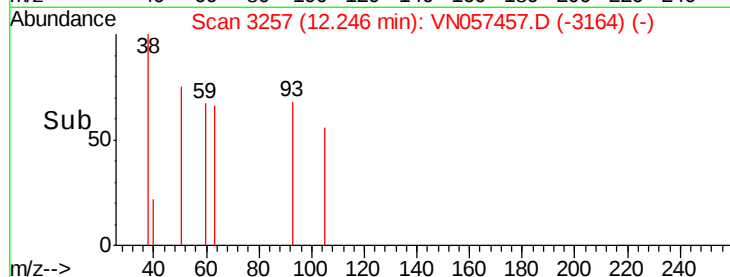
300

200

100

0

Time--> 12.22 12.24 12.26 12.28



#74

N-ethyl acetate

Concen: Below Cal

RT: 12.03 min Scan# 3191

Delta R.T. -0.03 min

Lab File: VN057457.D

Acq: 23 Aug 2019 1:56

Tgt Ion: 43 Resp: 6316

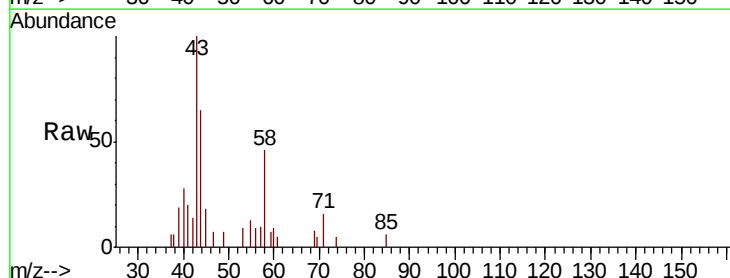
Ion Ratio Lower Upper

43 100

70 0.0 27.8 41.6#

55 4.9 17.0 25.4#

61 2.6 17.0 25.6#



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

12.03

5000

4000

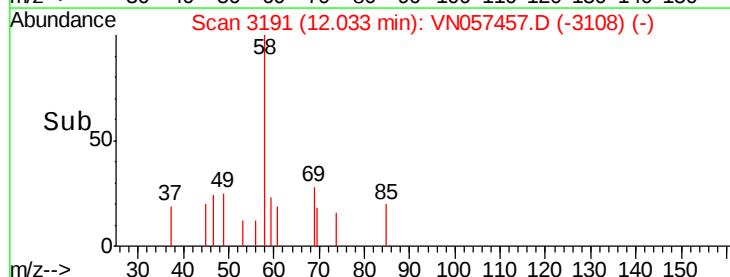
3000

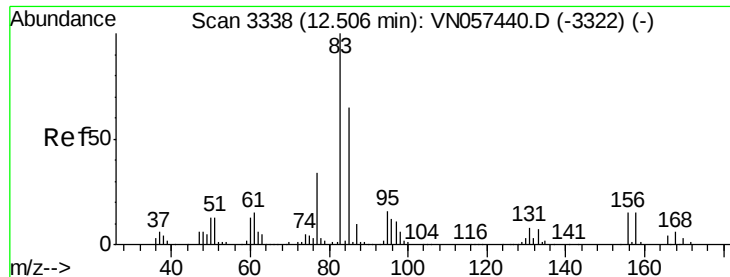
2000

1000

0

Time--> 12.00 12.05 12.10





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.51 min Scan# 3338

Delta R.T. -0.00 min

Lab File: VN057457.D

Acq: 23 Aug 2019 1:56

Instrument :

MSVOA_N

ClientSampleId :

OK-01-082119

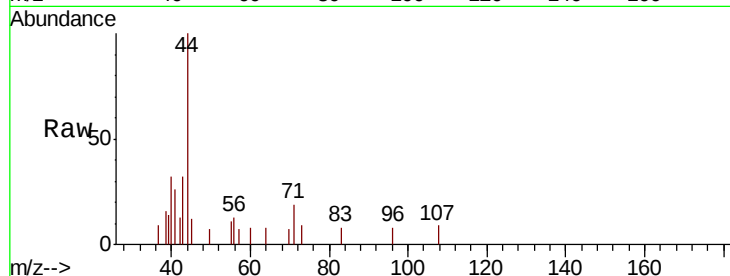
Tgt Ion: 83 Resp: 175

Ion Ratio Lower Upper

83 100

131 0.0 4.3 13.1#

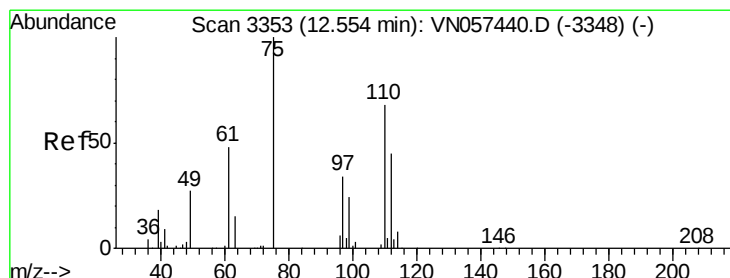
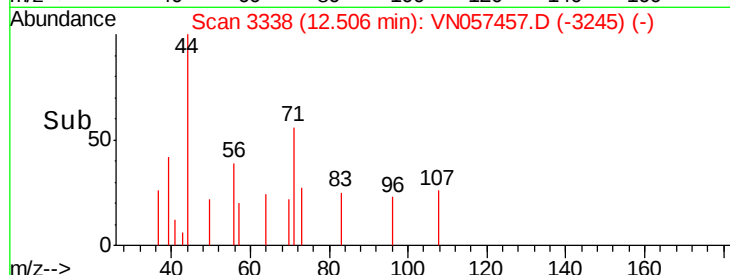
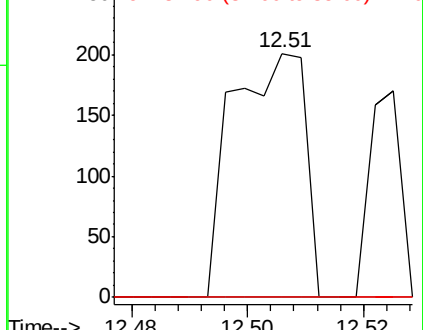
85 0.0 32.3 96.8#



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 43.044 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN057457.D

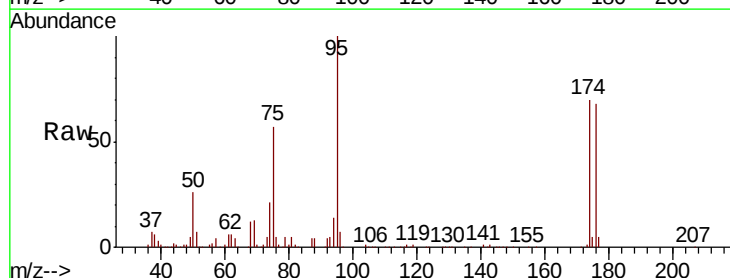
Acq: 23 Aug 2019 1:56

Tgt Ion: 75 Resp: 159010

Ion Ratio Lower Upper

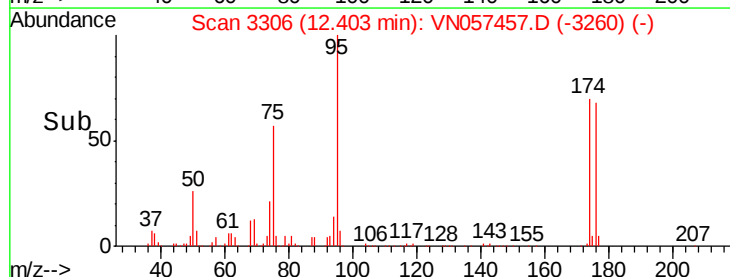
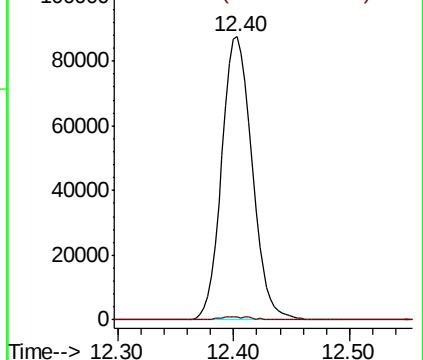
75 100

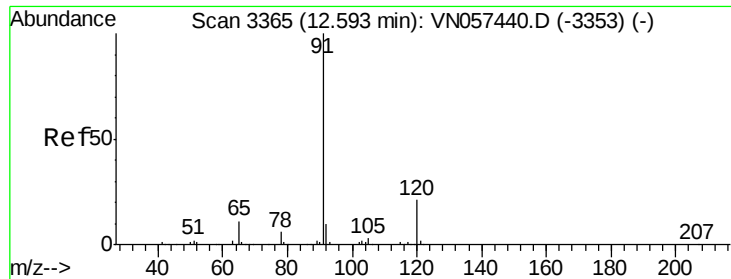
77 0.5 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#78

n-propylbenzene

Concen: Below Cal

RT: 12.60 min Scan# 3368

Delta R.T. 0.01 min

Lab File: VN057457.D

Acq: 23 Aug 2019 1:56

Instrument :

MSVOA_N

ClientSampled :

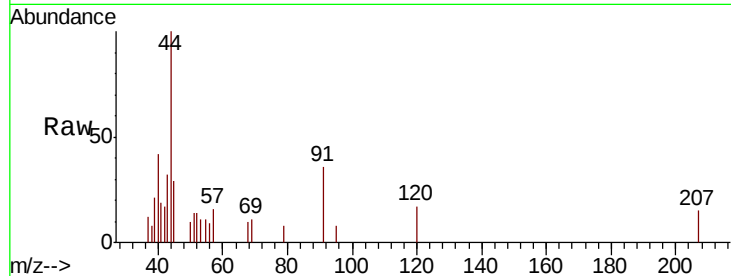
OK-01-082119

Tgt Ion: 91 Resp: 1405

Ion Ratio Lower Upper

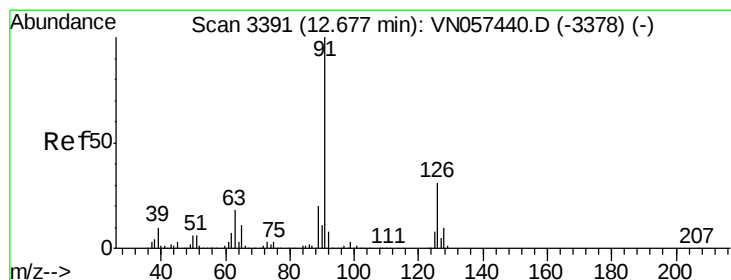
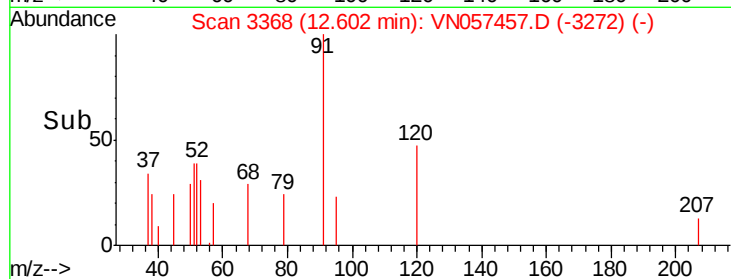
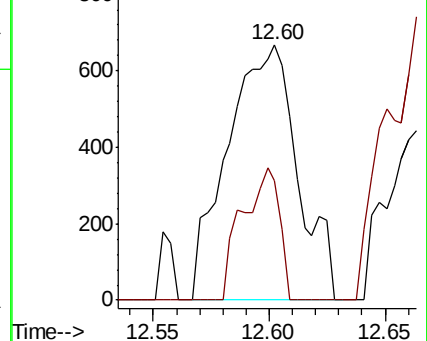
91 100

120 27.3 10.7 32.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V



#79

2-Chlorotoluene

Concen: Below Cal

RT: 12.67 min Scan# 3389

Delta R.T. -0.01 min

Lab File: VN057457.D

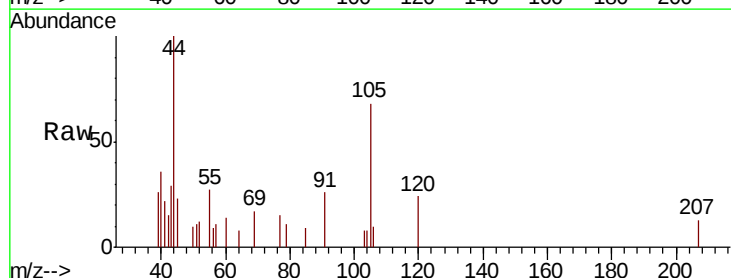
Acq: 23 Aug 2019 1:56

Tgt Ion: 91 Resp: 998

Ion Ratio Lower Upper

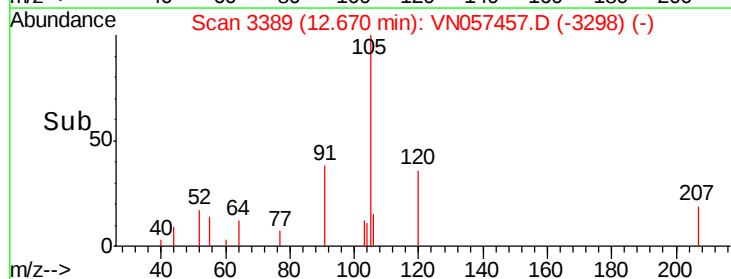
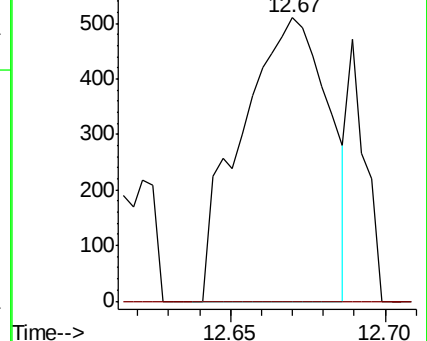
91 100

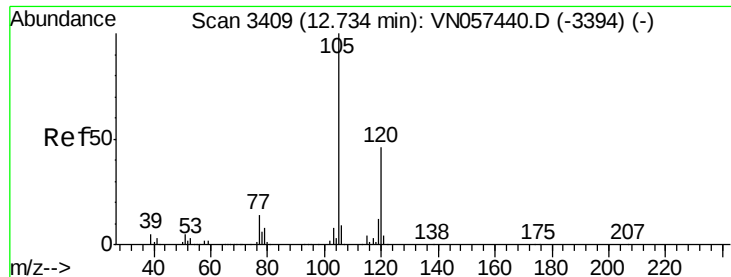
126 0.0 15.3 45.8#



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

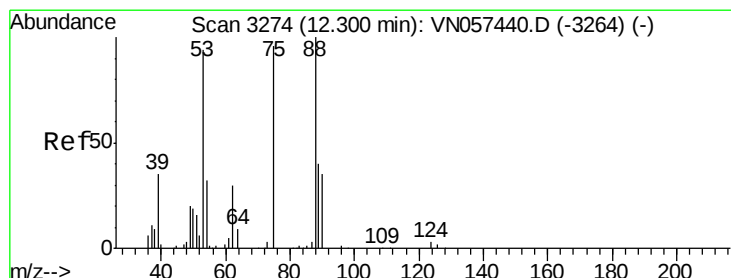
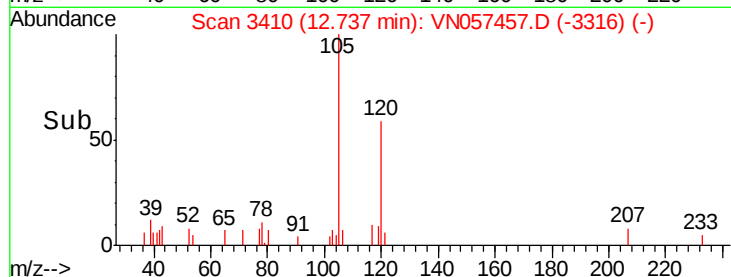
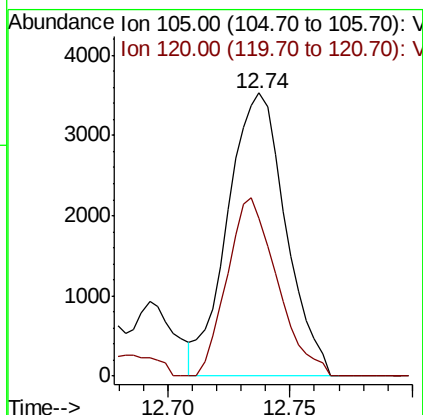
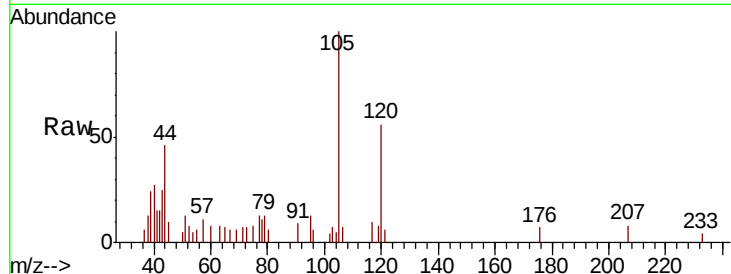




#80
 1,3,5-Trimethylbenzene
 Concen: Below Cal
 RT: 12.74 min Scan# 3410
 Delta R.T. 0.00 min
 Lab File: VN057457.D
 Acq: 23 Aug 2019 1:56

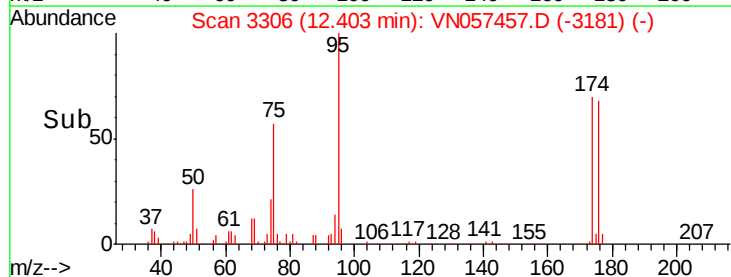
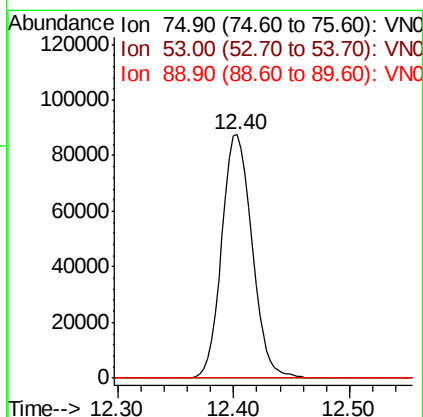
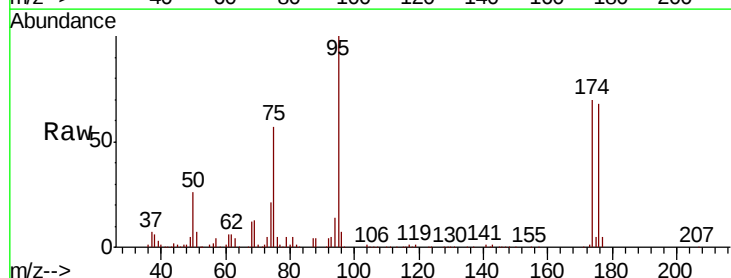
Instrument :
 MSVOA_N
 ClientSampleId :
 OK-01-082119

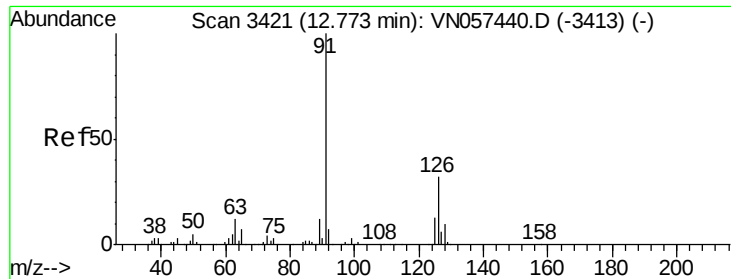
Tgt Ion: 105 Resp: 5821
 Ion Ratio Lower Upper
 105 100
 120 54.4 23.3 69.8



#81
 trans-1,4-Dichloro-2-butene
 Concen: 110.619 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.10 min
 Lab File: VN057457.D
 Acq: 23 Aug 2019 1:56

Tgt Ion: 75 Resp: 159010
 Ion Ratio Lower Upper
 75 100
 53 0.1 82.7 124.1#
 89 0.0 35.8 53.8#





#82

4-Chlorotoluene

Concen: Below Cal

RT: 12.78 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN057457.D

Acq: 23 Aug 2019 1:56

Instrument :

MSVOA_N

ClientSampled :

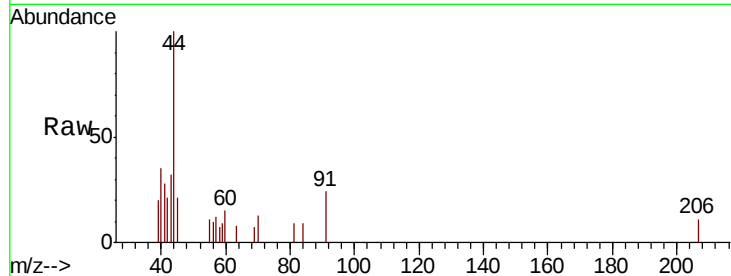
OK-01-082119

Tgt Ion: 91 Resp: 384

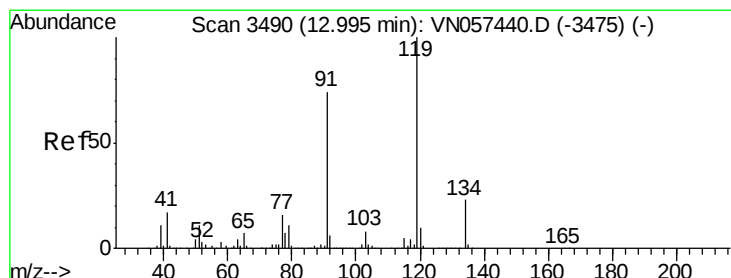
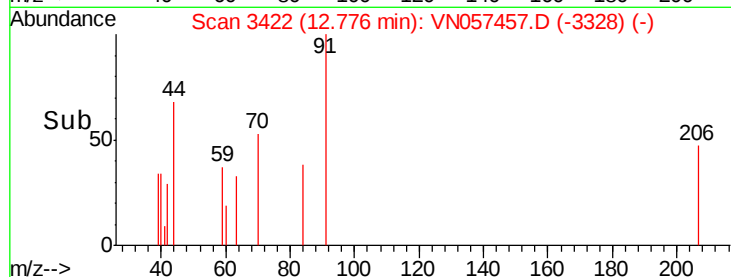
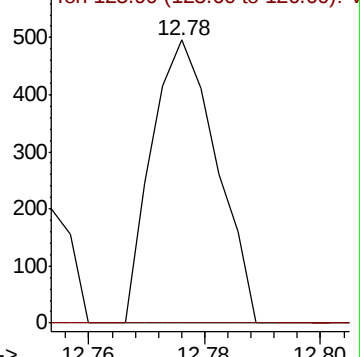
Ion Ratio Lower Upper

91 100

126 0.0 15.0 45.0#



Abundance Ion 91.00 (90.70 to 91.70): VN057440.D (-3413) (-)



#83

tert-Butylbenzene

Concen: Below Cal

RT: 13.00 min Scan# 3493

Delta R.T. 0.01 min

Lab File: VN057457.D

Acq: 23 Aug 2019 1:56

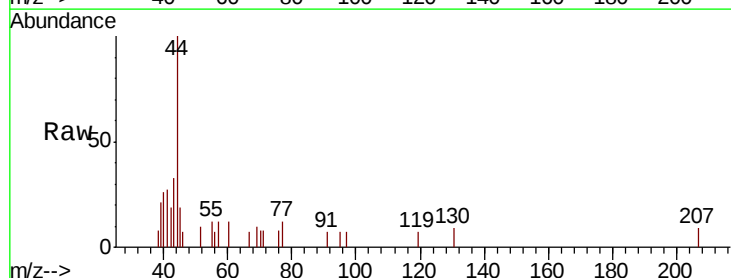
Tgt Ion: 119 Resp: 63

Ion Ratio Lower Upper

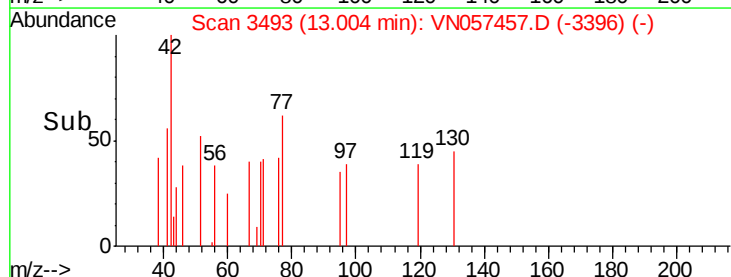
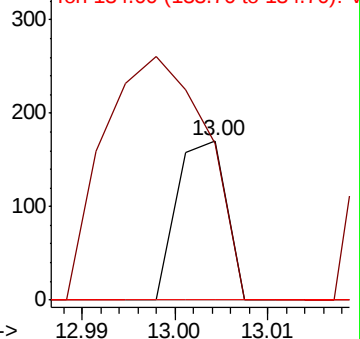
119 100

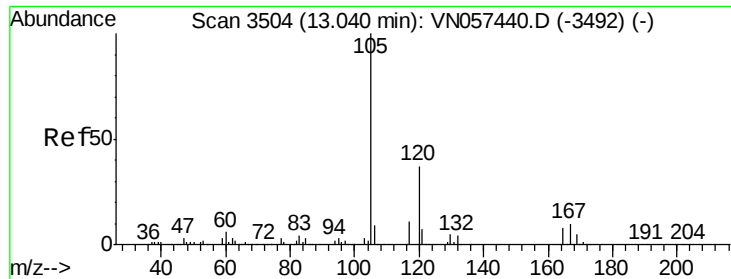
91 320.6 37.0 111.0#

134 0.0 12.2 36.6#



Abundance Ion 119.00 (118.70 to 119.70): VN057440.D (-3475) (-)

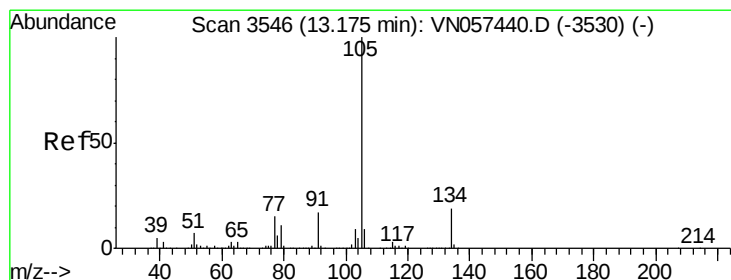
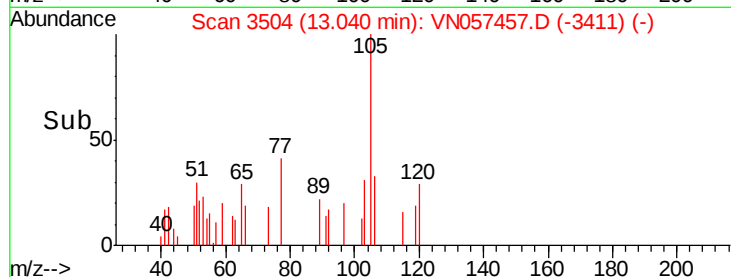
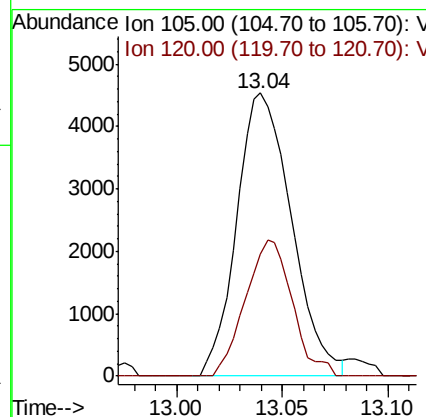
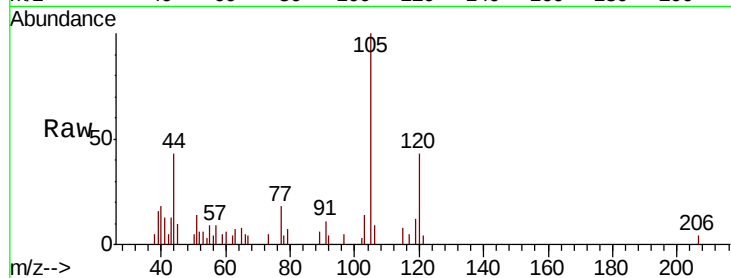




#84
 1,2,4-Trimethylbenzene
 Concen: 0.639 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN057457.D
 Acq: 23 Aug 2019 1:56

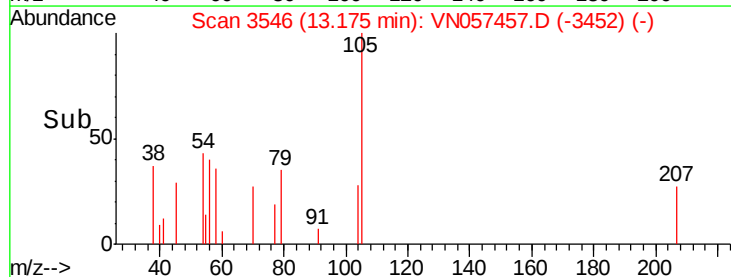
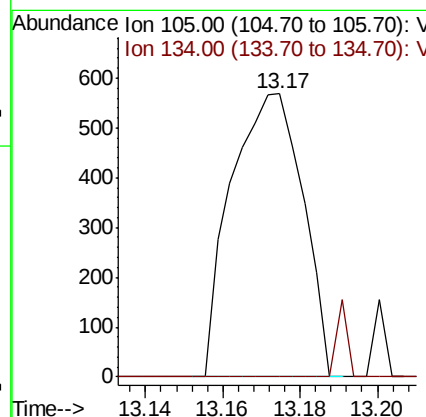
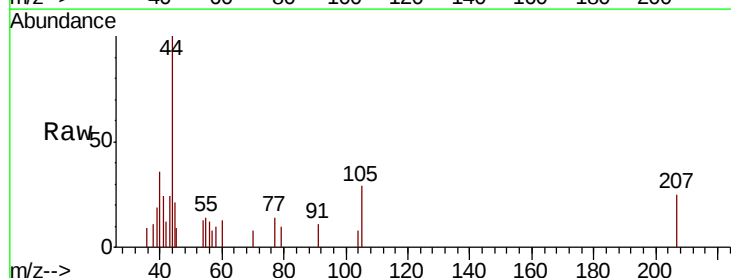
Instrument :
 MSVOA_N
 ClientSampleId :
 OK-01-082119

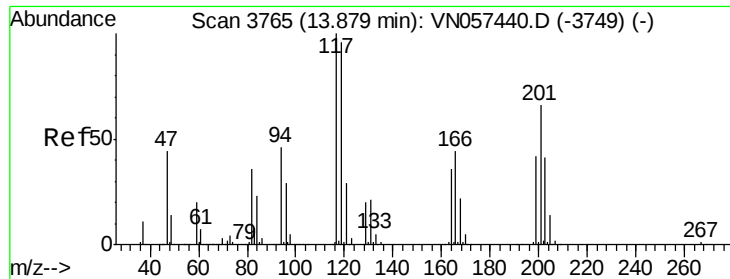
Tgt Ion:105 Resp: 8186
 Ion Ratio Lower Upper
 105 100
 120 41.1 21.9 65.7



#85
 sec-Butylbenzene
 Concen: Below Cal
 RT: 13.17 min Scan# 3546
 Delta R.T. 0.00 min
 Lab File: VN057457.D
 Acq: 23 Aug 2019 1:56

Tgt Ion:105 Resp: 731
 Ion Ratio Lower Upper
 105 100
 134 4.1 9.3 27.9#





#90

Hexachloroethane

Concen: Below Cal

RT: 13.88 min Scan# 3766

Delta R.T. 0.00 min

Lab File: VN057457.D

Acq: 23 Aug 2019 1:56

Instrument :

MSVOA_N

ClientSampled :

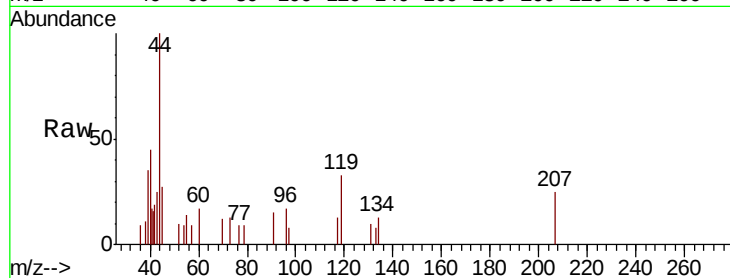
OK-01-082119

Tgt Ion: 117 Resp: 247

Ion Ratio Lower Upper

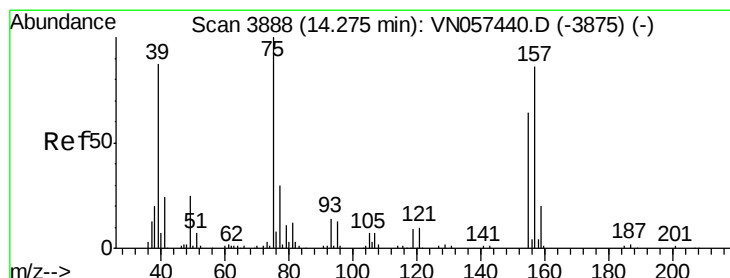
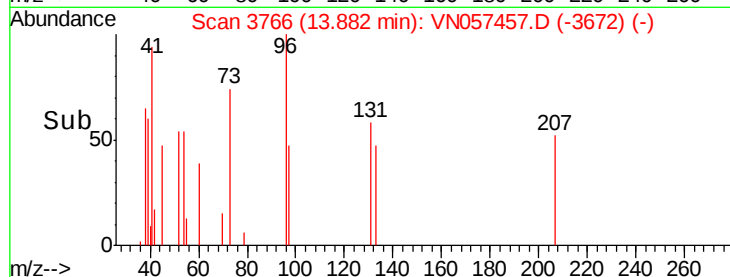
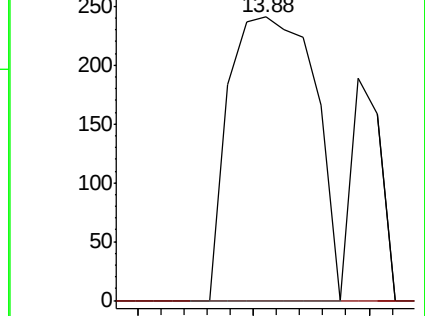
117 100

201 0.0 33.1 99.3#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#92

1,2-Dibromo-3-Chloropropane

Concen: Below Cal

RT: 14.27 min Scan# 3886

Delta R.T. -0.01 min

Lab File: VN057457.D

Acq: 23 Aug 2019 1:56

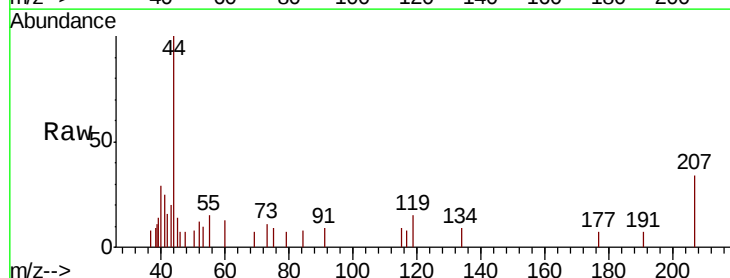
Tgt Ion: 75 Resp: 107

Ion Ratio Lower Upper

75 100

155 0.0 31.6 94.7#

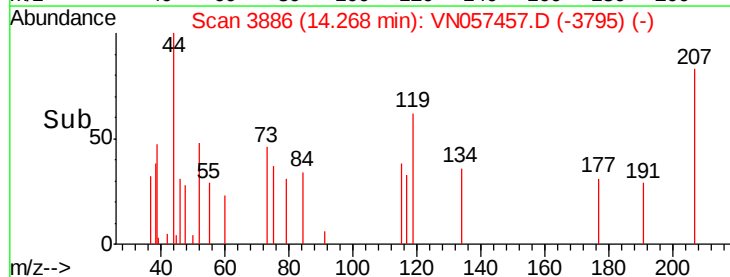
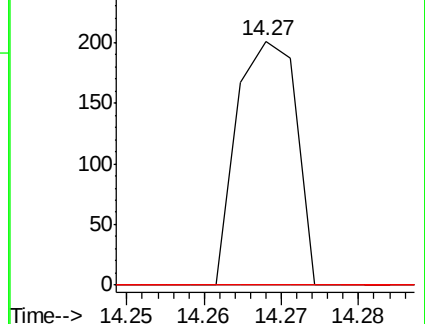
157 0.0 43.3 129.8#

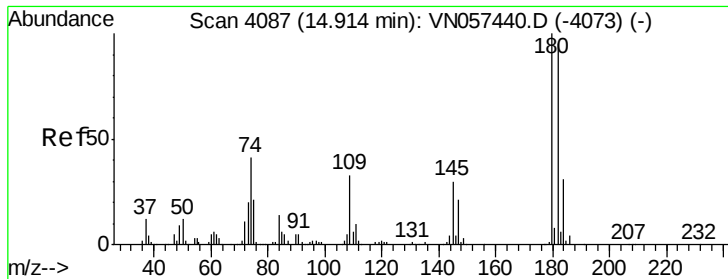


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

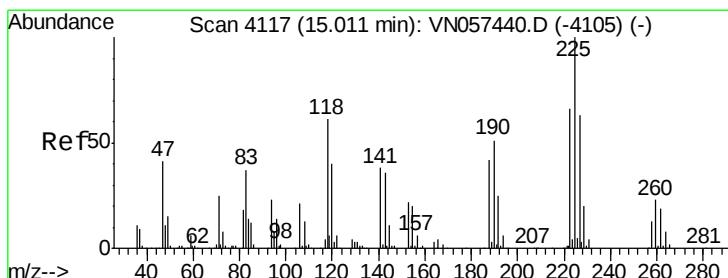
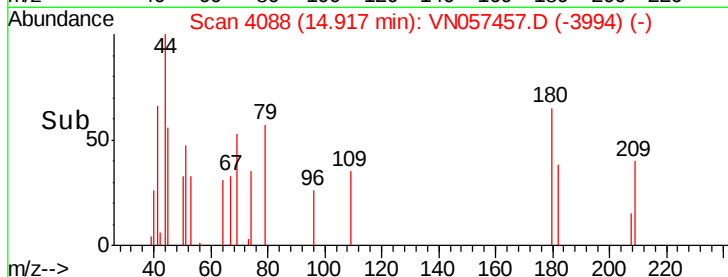
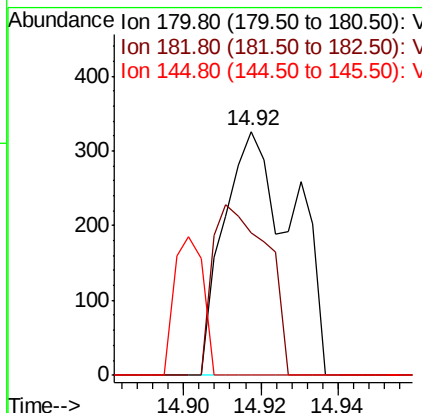
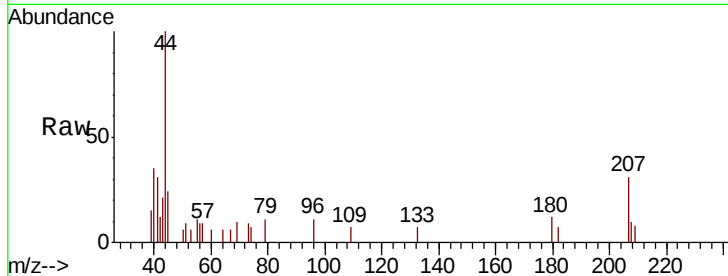




#93
 1,2,4-Trichlorobenzene
 Concen: 5.548 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN057457.D
 Acq: 23 Aug 2019 1:56

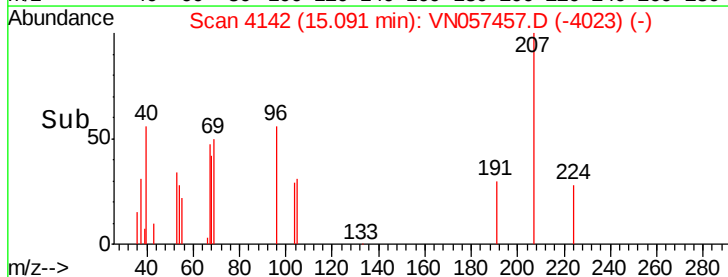
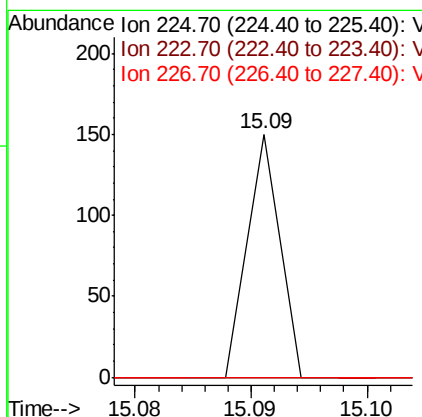
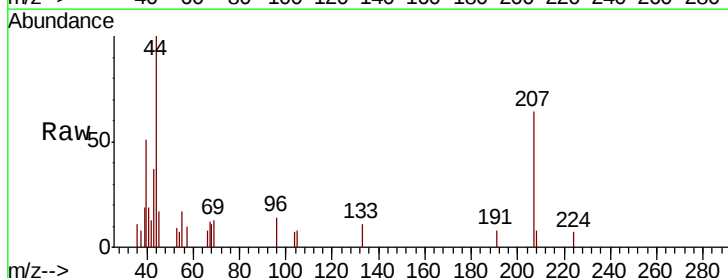
Instrument :
 MSVOA_N
 ClientSampled :
 OK-01-082119

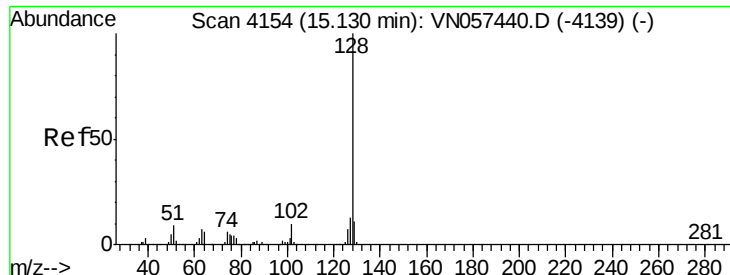
Tgt Ion:180 Resp: 407
 Ion Ratio Lower Upper
 180 100
 182 55.0 46.7 140.1
 145 23.8 15.6 46.8



#94
 Hexachlorobutadiene
 Concen: Below Cal
 RT: 15.09 min Scan# 4142
 Delta R.T. 0.08 min
 Lab File: VN057457.D
 Acq: 23 Aug 2019 1:56

Tgt Ion:225 Resp: 29
 Ion Ratio Lower Upper
 225 100
 223 0.0 32.0 96.2#
 227 0.0 31.5 94.5#





#95

Naphthalene

Concen: 4.749 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN057457.D

Acq: 23 Aug 2019 1:56

Instrument :

MSVOA_N

ClientSampleId :

OK-01-082119

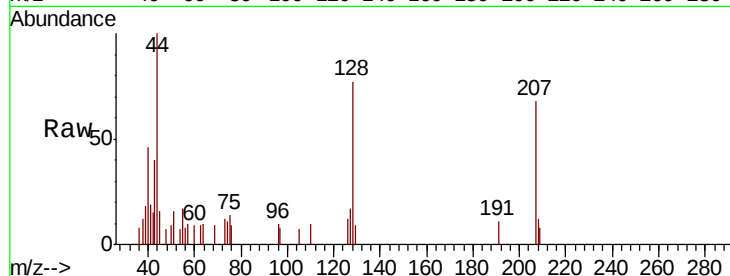
Tgt Ion:128 Resp: 2941

Ion Ratio Lower Upper

128 100

127 7.0 10.5 15.7#

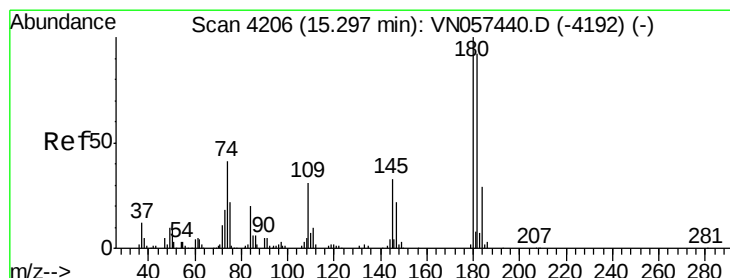
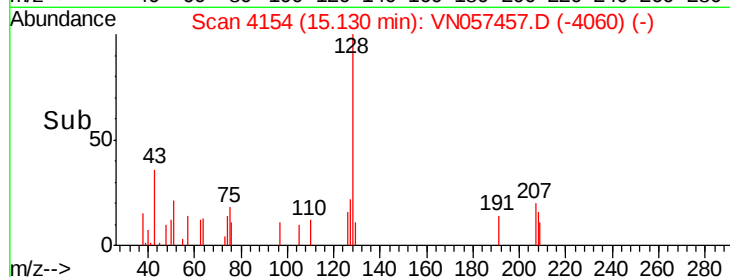
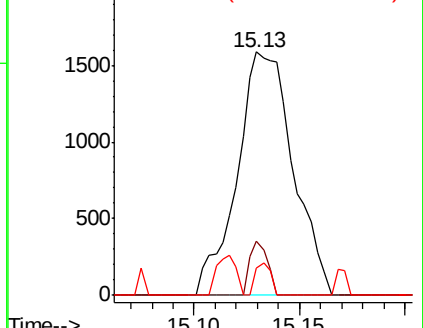
129 3.6 8.6 13.0#



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: 5.129 ug/l

RT: 15.47 min Scan# 4260

Delta R.T. 0.17 min

Lab File: VN057457.D

Acq: 23 Aug 2019 1:56

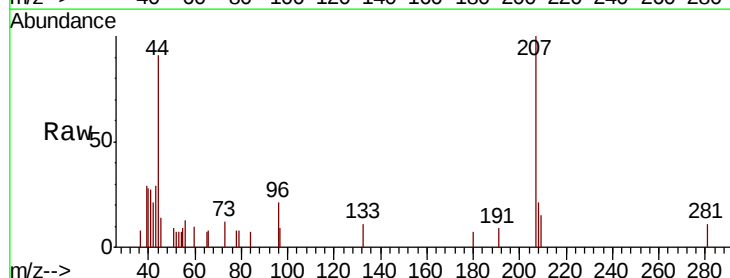
Tgt Ion:180 Resp: 31

Ion Ratio Lower Upper

180 100

182 0.0 46.7 140.1#

145 0.0 16.8 50.3#



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

