

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120419\
 Data File : VN059484.D
 Acq On : 4 Dec 2019 14:08
 Operator : JC/SP
 Sample : K6084-05DL 50X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 30737DL

Manual Integrations
 APPROVED

apatel
 12/5/2019 11:19:19 AM

Quant Time: Dec 05 07:05:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N120319W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 03 16:37:42 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	334581	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	526147	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	469203	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	195529	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.01	65	200896	48.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.66%	
35) Dibromofluoromethane	7.57	113	159179	48.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.14%	
50) Toluene-d8	10.08	98	637360	49.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.66%	
62) 4-Bromofluorobenzene	12.40	95	217560	48.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.44%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.77	59	37196	47.491	ug/l #	89
16) Acetone	3.80	43	168465	68.808	ug/l	99
18) Methyl Acetate	4.30	43	43154	7.713	ug/l	95
19) Methyl tert-butyl Ether	5.02	73	14064m	1.189	ug/l	
25) 2-Butanone	6.82	43	25975	8.222	ug/l	95
29) Tetrahydrofuran	7.19	42	2332	1.174	ug/l #	62
31) Cyclohexane	7.64	56	17630	2.518	ug/l #	41
39) Methylcyclohexane	9.07	83	16836	2.555	ug/l	96
40) Benzene	8.02	78	1082872	67.539	ug/l	99
43) Isopropyl Acetate	8.15	43	10111	1.112	ug/l #	89
49) 1,4-Dioxane	9.20	88	531m	8.551	ug/l	
52) Toluene	10.15	92	1830011	188.721	ug/l	94
67) Ethyl Benzene	11.51	91	138186	7.689	ug/l	99
68) m/p-Xylenes	11.62	106	344449	51.474	ug/l	98
69) o-Xylene	11.95	106	101873	15.991	ug/l	100
73) Isopropylbenzene	12.25	105	17416	1.111	ug/l	98
78) n-propylbenzene	12.59	91	18907	1.036	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	83602	6.380	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	160351	12.521	ug/l	98

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

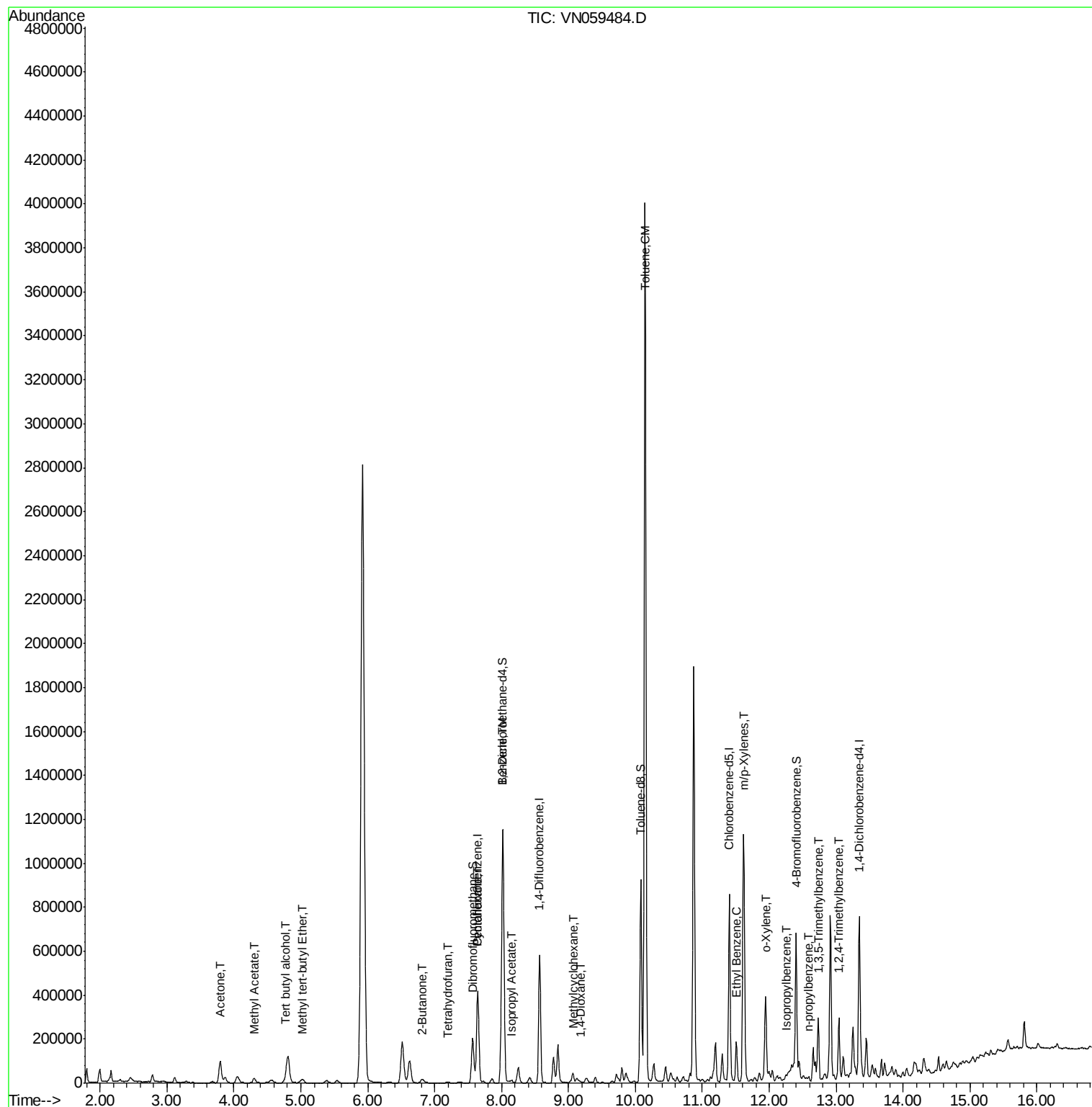
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN120419\
Data File : VN059484.D
Acq On : 4 Dec 2019 14:08
Operator : JC/SP
Sample : K6084-05DL 50X
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 10 Sample Multiplier: 1

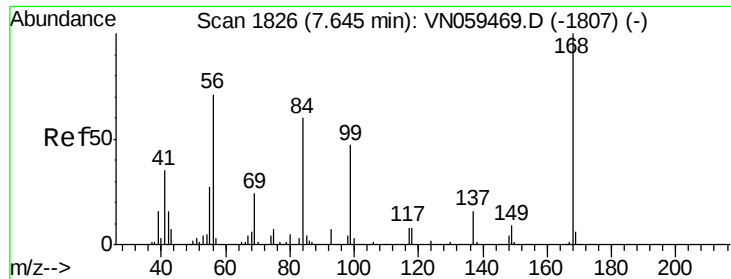
Instrument :
MSVOA_N
ClientSampleId :
30737DL

Manual Integrations
APPROVED

apatel
12/5/2019 11:19:19 AM

Quant Time: Dec 05 07:05:51 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N120319W.M
Quant Title : SW846 8260
QLast Update : Tue Dec 03 16:37:42 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN059484.D

Acq: 4 Dec 2019 14:08

Instrument :

MSVOA_N

ClientSampleId :

30737DL

Tot Ion:168 Resp: 334581

Ion Ratio Lower Upper

168 100

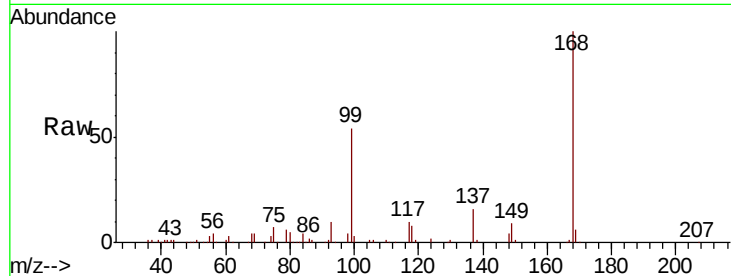
99 54.5 43.4 65.2

Manual Integrations

APPROVED

apatel

12/5/2019 11:19:19 AM



Abundance Ion 167.90 (167.60 to 168.60): VN059484.D (-1733) (-)

Ion 98.90 (98.60 to 99.60): VN059484.D (-1733) (-)

7.64

150000

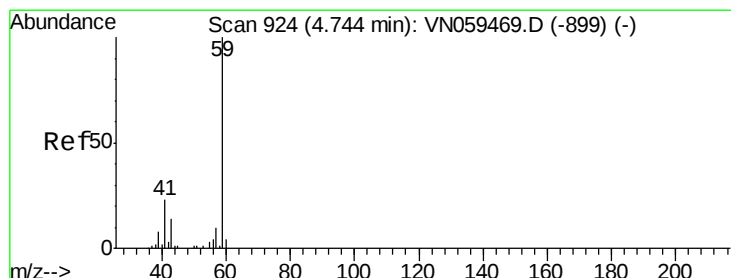
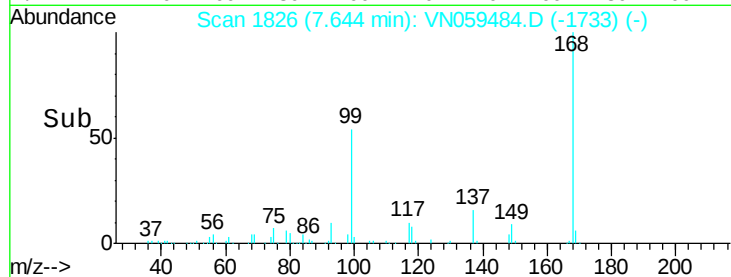
100000

50000

0

7.60 7.70

Time-->



#11

Tert butyl alcohol

Concen: 47.491 ug/l

RT: 4.77 min Scan# 932

Delta R.T. 0.03 min

Lab File: VN059484.D

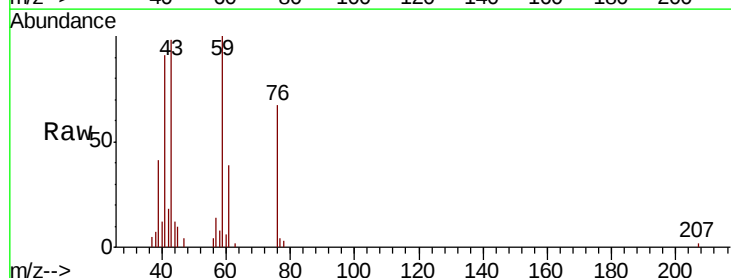
Acq: 4 Dec 2019 14:08

Tgt Ion: 59 Resp: 37196

Ion Ratio Lower Upper

59 100

57 6.0 8.1 12.1#



Abundance Ion 59.00 (58.70 to 59.70): VN059484.D (-831) (-)

Ion 57.00 (56.70 to 57.70): VN059484.D (-831) (-)

4.77

8000

6000

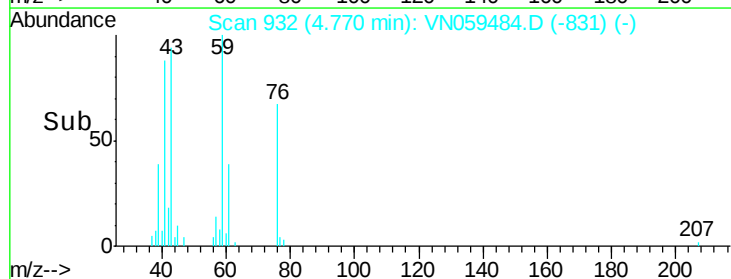
4000

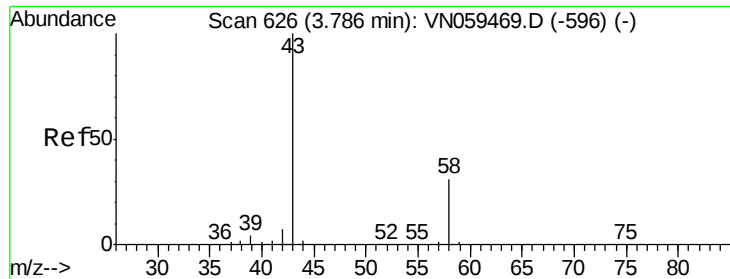
2000

0

4.60 4.70 4.80 4.90

Time-->





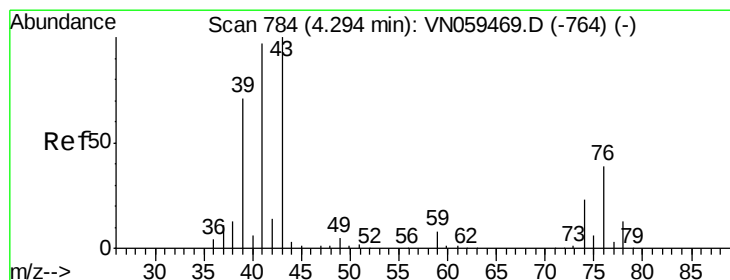
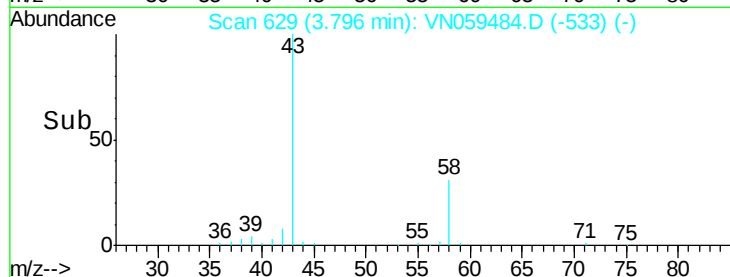
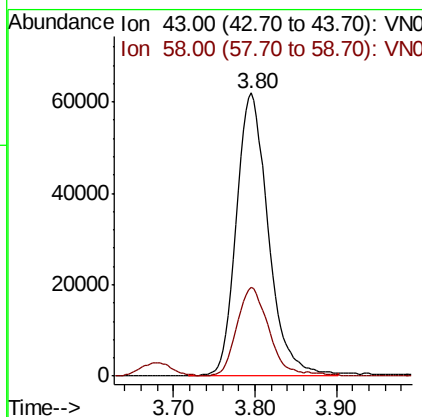
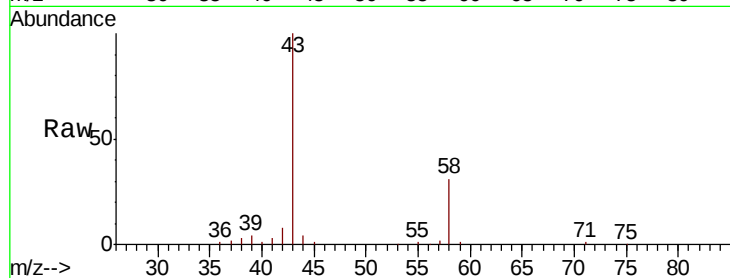
#16
Acetone
Concen: 68.808 ug/l
RT: 3.80 min Scan# 629
Delta R.T. 0.01 min
Lab File: VN059484.D
Acq: 4 Dec 2019 14:08

Instrument :
MSVOA_N
ClientSampleId :
30737DL

Tot Ion	43	58	Ratio	Lower	Upper
168465	100	30.7		24.9	37.3

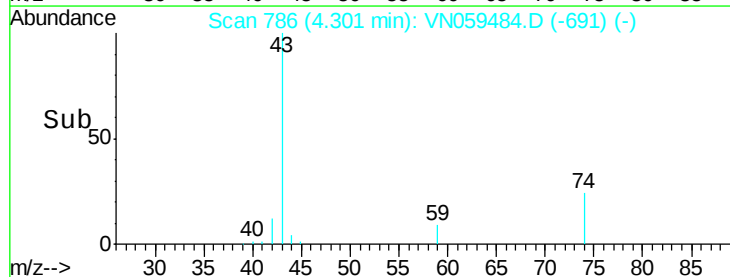
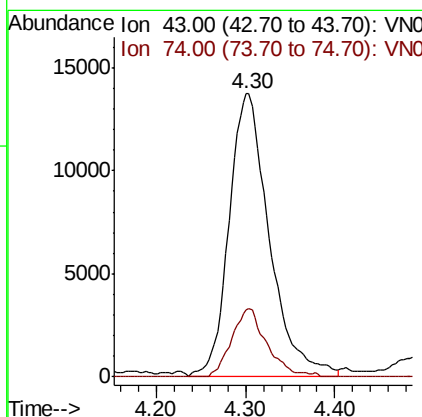
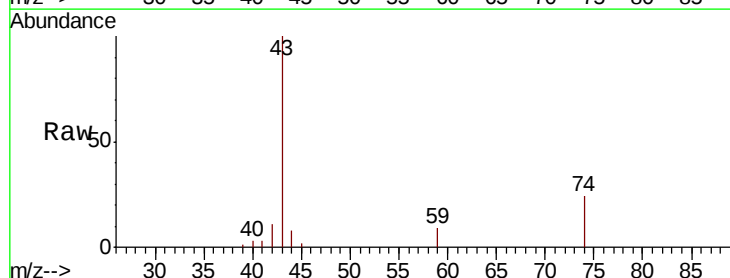
Manual Integrations
APPROVED

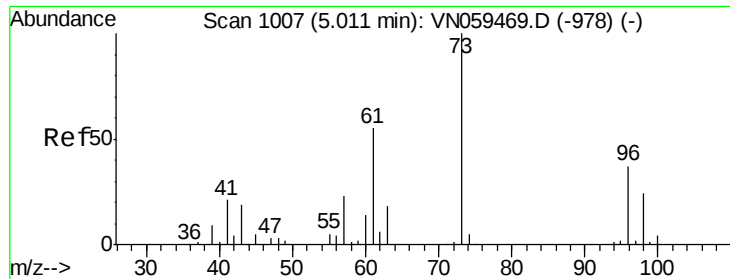
apatel
12/5/2019 11:19:19 AM



#18
Methyl Acetate
Concen: 7.713 ug/l
RT: 4.30 min Scan# 786
Delta R.T. 0.01 min
Lab File: VN059484.D
Acq: 4 Dec 2019 14:08

Tgt Ion	43	74	Ratio	Lower	Upper
43154	100	20.5		18.3	27.5





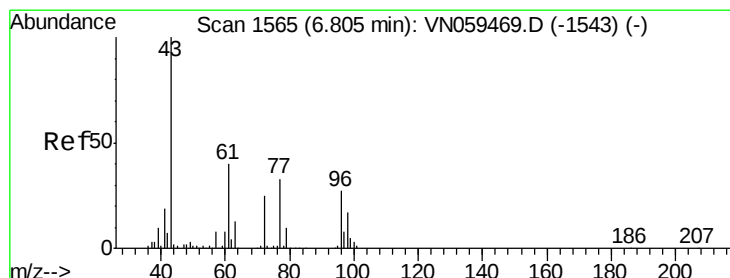
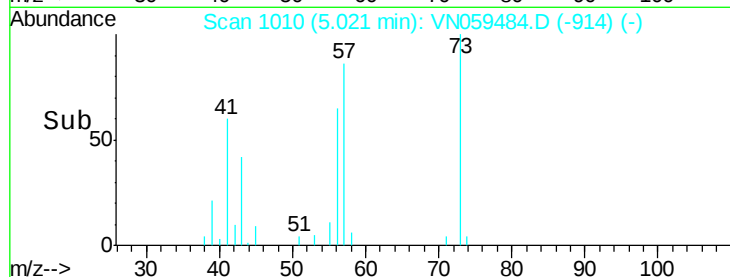
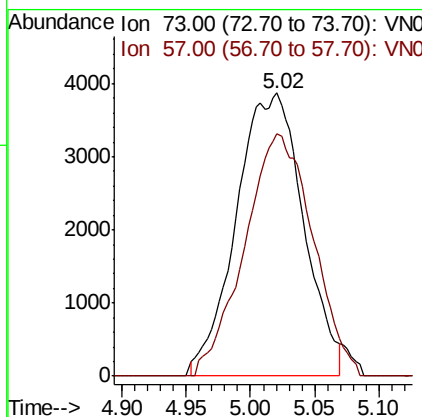
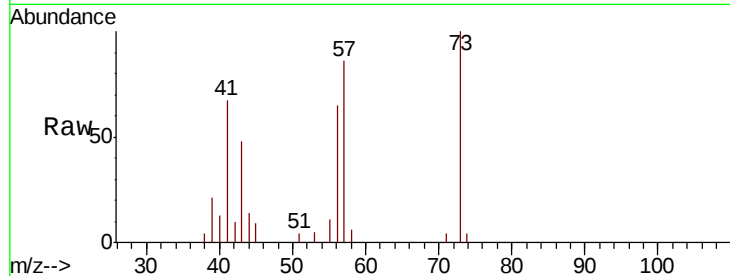
#19
Methvl tert-butvl Ether
Concen: 1.189 ug/l m
RT: 5.02 min Scan# 1010
Delta R.T. 0.01 min
Lab File: VN059484.D
Acq: 4 Dec 2019 14:08

Instrument :
MSVOA_N
ClientSampled :
30737DL

Tot Ion: 73 Resp: 14064
Ion Ratio Lower Upper
73 100
57 85.8 18.0 27.0#

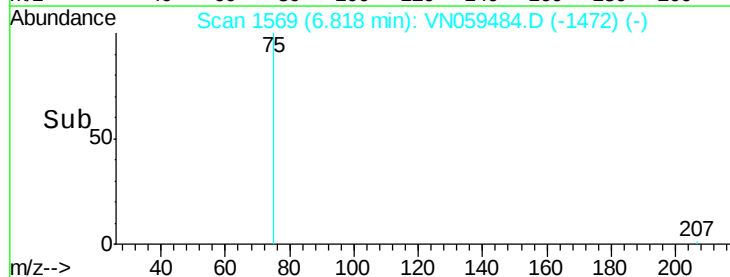
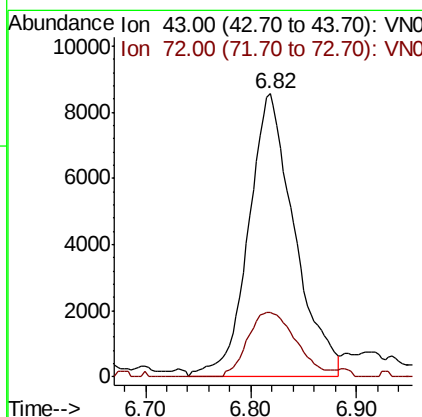
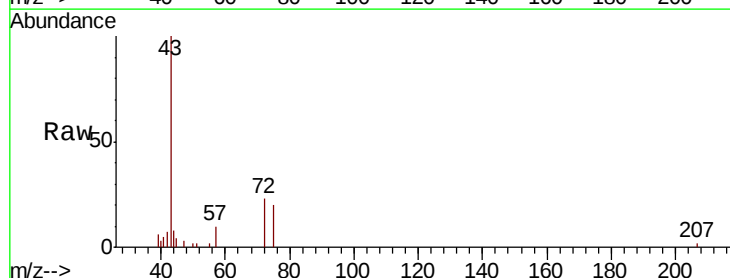
Manual Integrations
APPROVED

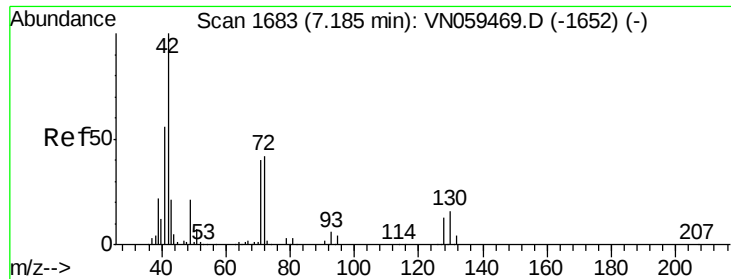
apatel
12/5/2019 11:19:19 AM



#25
2-Butanone
Concen: 8.222 ug/l
RT: 6.82 min Scan# 1569
Delta R.T. 0.01 min
Lab File: VN059484.D
Acq: 4 Dec 2019 14:08

Tgt Ion: 43 Resp: 25975
Ion Ratio Lower Upper
43 100
72 22.9 20.2 30.2





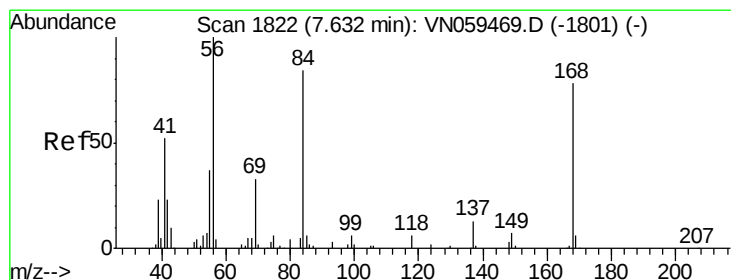
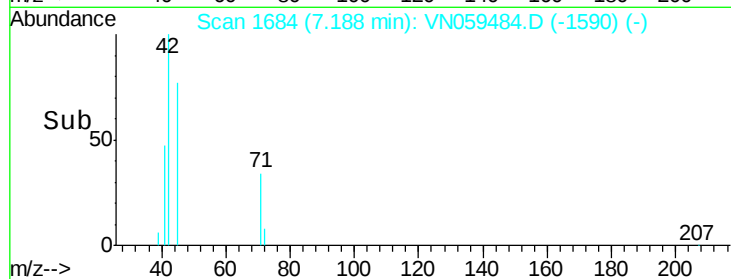
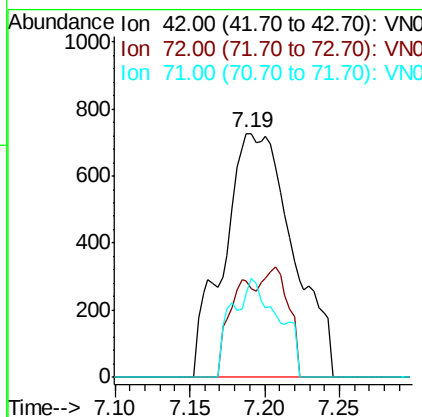
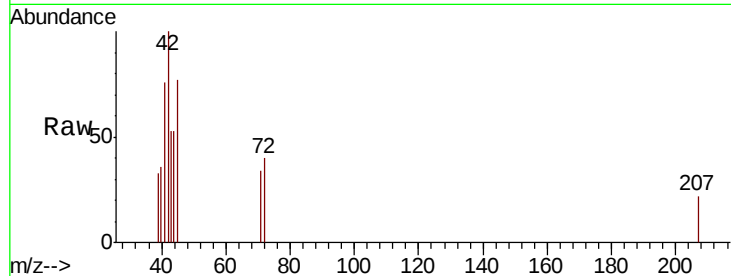
#29
Tetrahydrofuran
Concen: 1.174 ug/l
RT: 7.19 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VN059484.D
Acq: 4 Dec 2019 14:08

Instrument :
MSVOA_N
ClientSampleId :
30737DL

Tot Ion	Ratio	Lower	Upper
42	100		
72	15.6	34.2	51.2#
71	19.0	32.0	48.0#

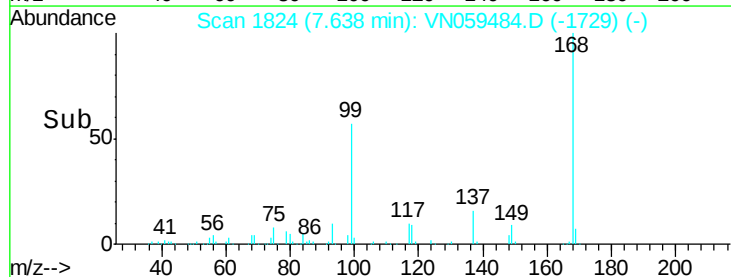
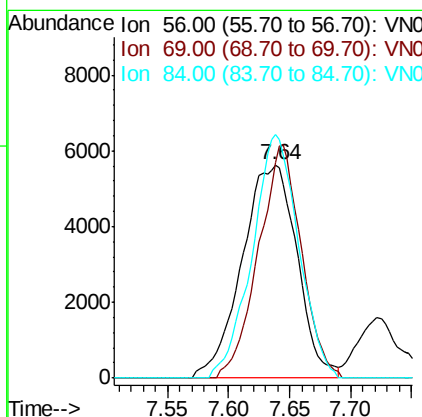
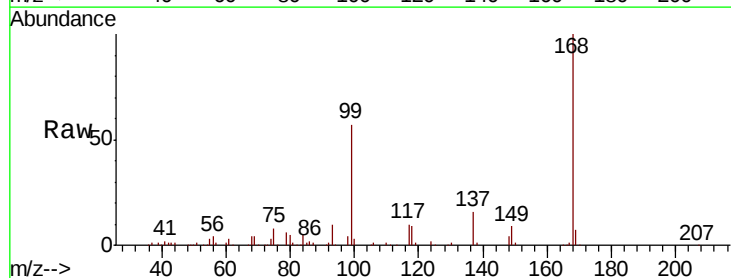
Manual Integrations
APPROVED

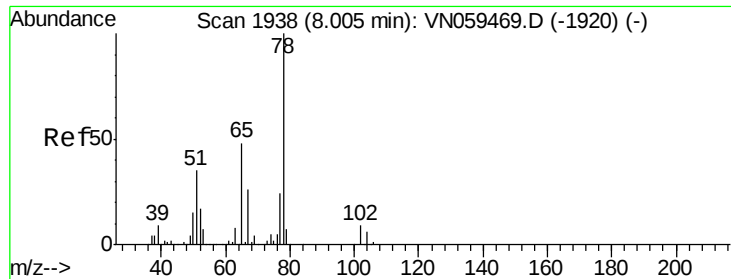
apatel
12/5/2019 11:19:19 AM



#31
Cyclohexane
Concen: 2.518 ug/l
RT: 7.64 min Scan# 1824
Delta R.T. 0.01 min
Lab File: VN059484.D
Acq: 4 Dec 2019 14:08

Tgt Ion	Ratio	Lower	Upper
56	100		
69	101.3	26.2	39.4#
84	114.3	66.8	100.2#





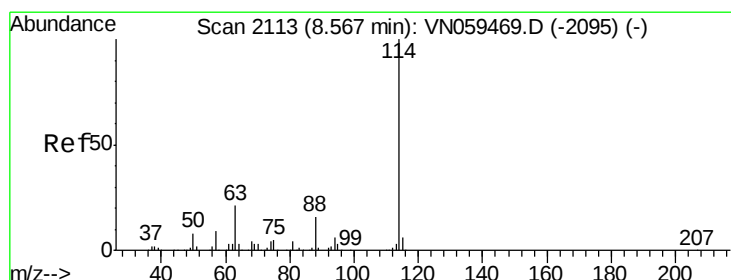
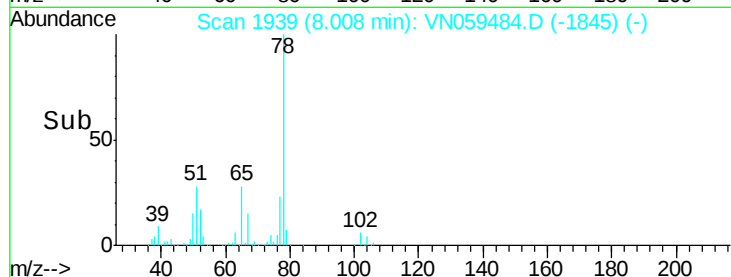
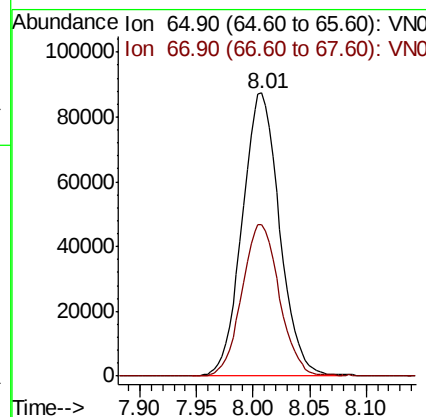
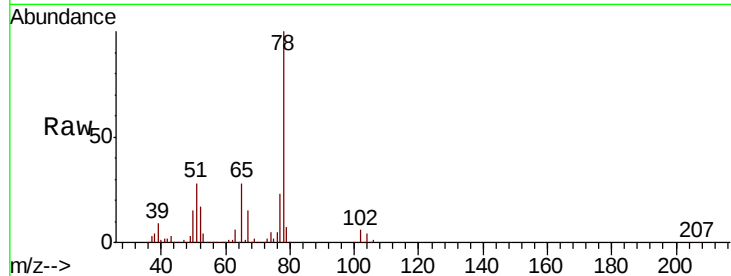
#33
 1,2-Dichloroethane-d4
 Concen: 48.334 ug/l
 RT: 8.01 min Scan# 1939
 Delta R.T. 0.00 min
 Lab File: VN059484.D
 Acq: 4 Dec 2019 14:08

Instrument :
 MSVOA_N
 ClientSampleID :
 30737DL

Tot Ion	Ratio	Resp	Lower	Upper
65	100	200896		
67	53.8	0.0	107.4	

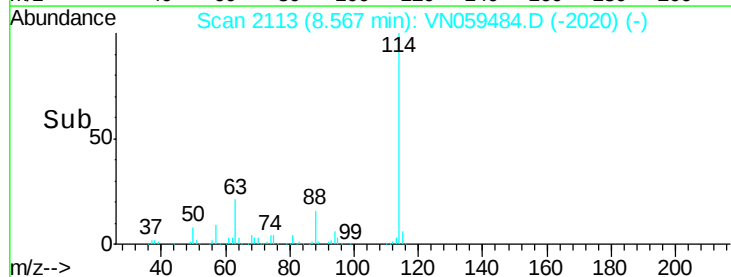
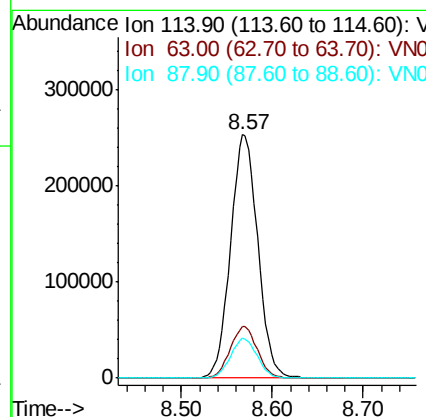
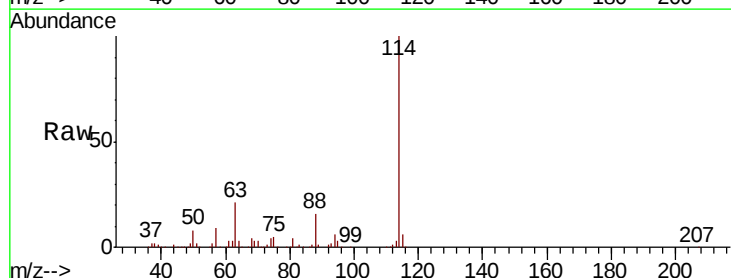
Manual Integrations
 APPROVED

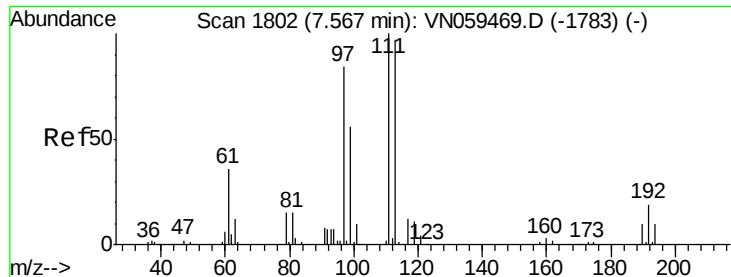
apatel
 12/5/2019 11:19:19 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VN059484.D
 Acq: 4 Dec 2019 14:08

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	526147		
63	20.9	0.0	42.4	
88	16.4	0.0	32.8	





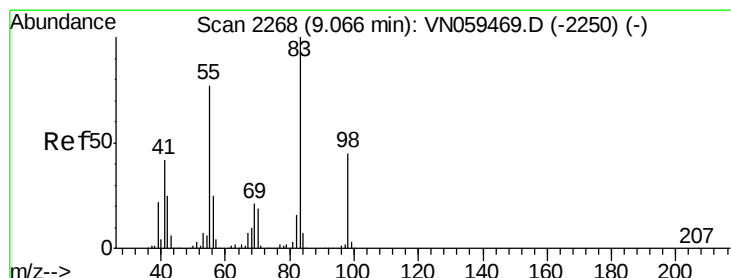
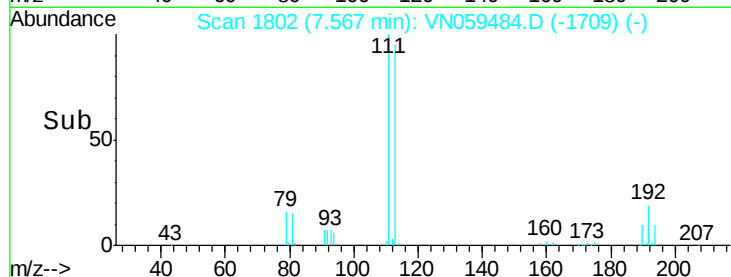
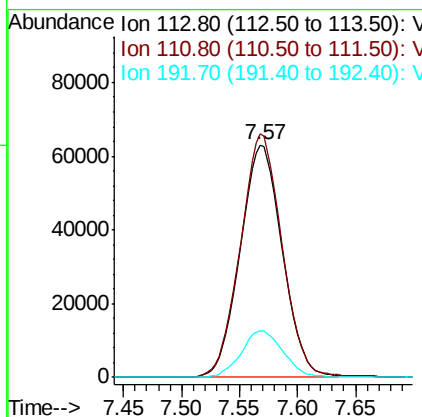
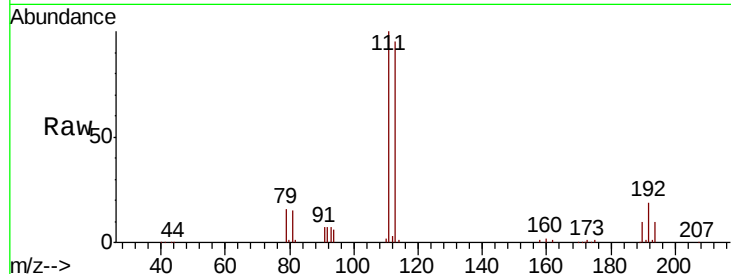
#35
Dibromofluoromethane
Concen: 48.575 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. -0.00 min
Lab File: VN059484.D
Acq: 4 Dec 2019 14:08

Instrument :
MSVOA_N
ClientSampleId :
30737DL

Tot Ion	Ratio	Resp	Lower	Upper
113	100	159179		
111	103.9	82.5	123.7	
192	19.9	16.1	24.1	

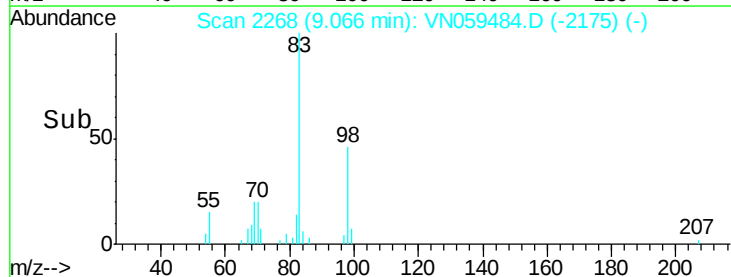
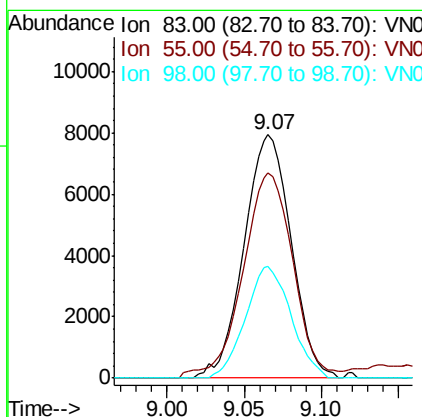
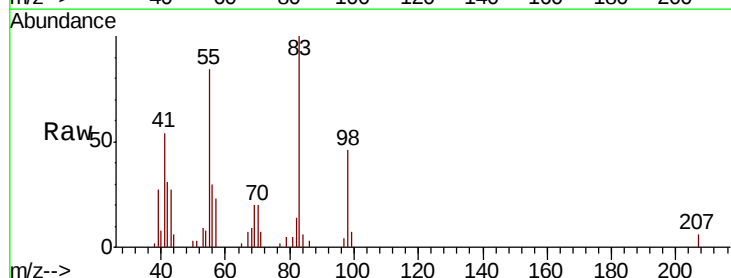
Manual Integrations
APPROVED

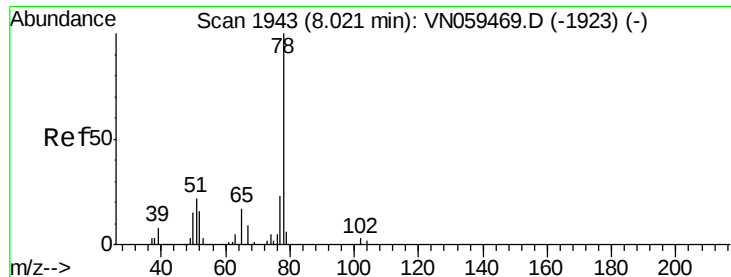
apatel
12/5/2019 11:19:19 AM



#39
Methylcyclohexane
Concen: 2.555 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. -0.00 min
Lab File: VN059484.D
Acq: 4 Dec 2019 14:08

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	16836		
55	81.5	61.8	92.6	
98	46.0	36.2	54.2	





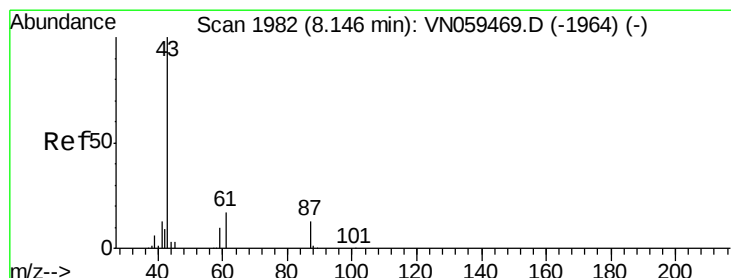
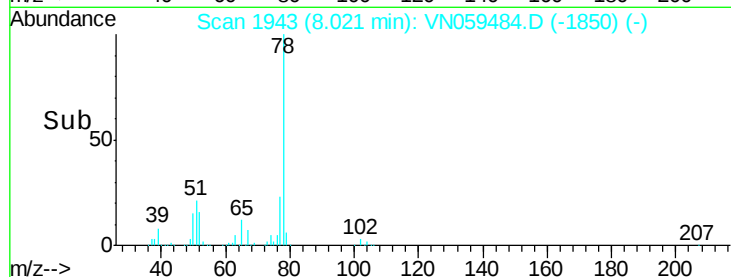
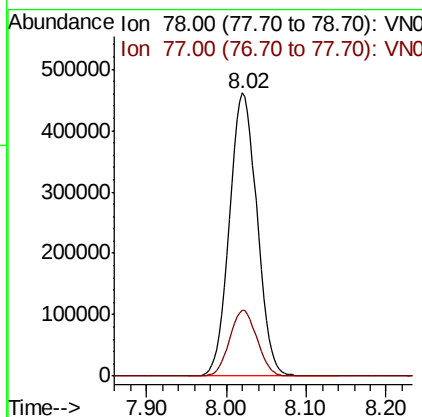
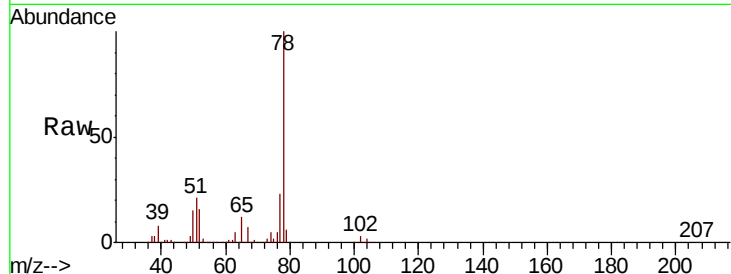
#40
Benzene
Concen: 67.539 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. -0.00 min
Lab File: VN059484.D
Acq: 4 Dec 2019 14:08

Instrument :
MSVOA_N
ClientSampled :
30737DL

Tot Ion: 78 Resp: 1082872
Ion Ratio Lower Upper
78 100
77 23.2 18.2 27.2

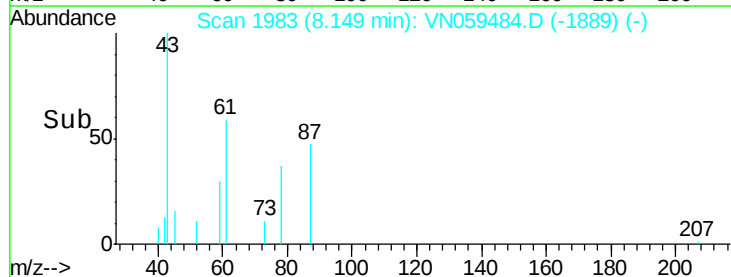
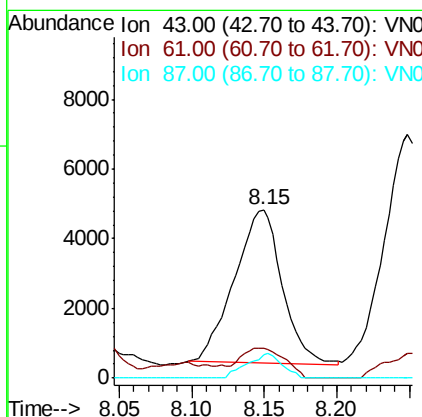
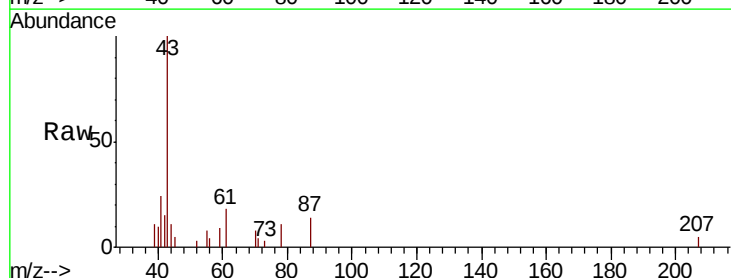
Manual Integrations
APPROVED

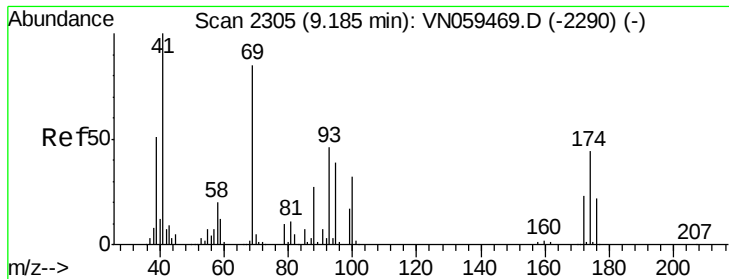
apatel
12/5/2019 11:19:19 AM



#43
Isopropyl Acetate
Concen: 1.112 ug/l
RT: 8.15 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VN059484.D
Acq: 4 Dec 2019 14:08

Tgt Ion: 43 Resp: 10111
Ion Ratio Lower Upper
43 100
61 18.5 21.0 31.6#
87 11.8 10.4 15.6





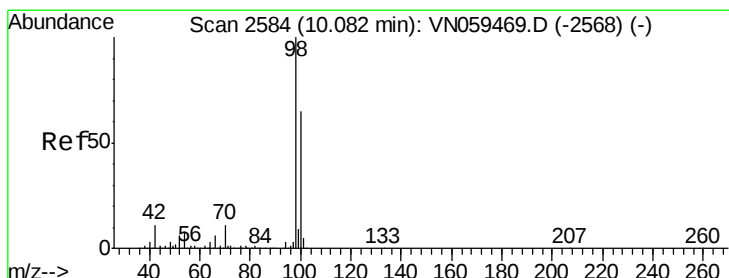
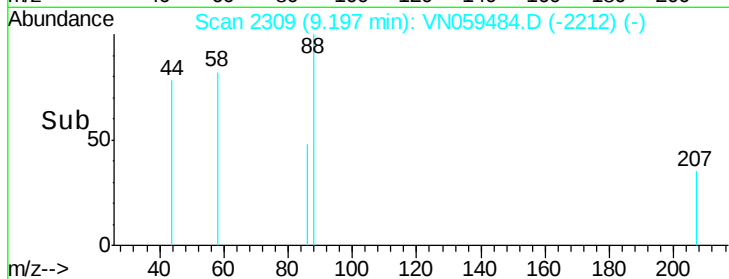
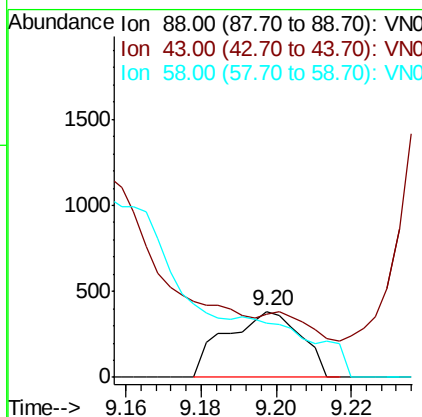
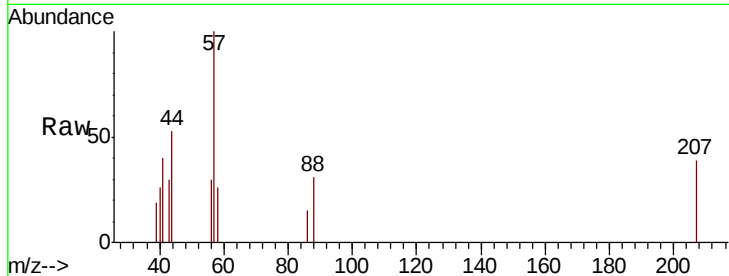
#49
1,4-Dioxane
Concen: 8.551 ug/l m
RT: 9.20 min Scan# 2309
Delta R.T. 0.01 min
Lab File: VN059484.D
Acq: 4 Dec 2019 14:08

Instrument :
MSVOA_N
ClientSampled :
30737DL

Tot Ion	Ratio	Lower	Upper
88	100		
43	0.0	27.1	40.7#
58	0.0	57.8	86.6#

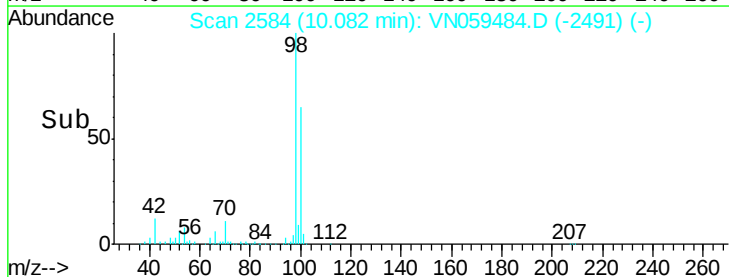
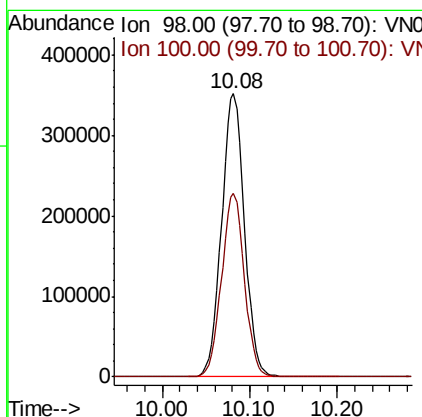
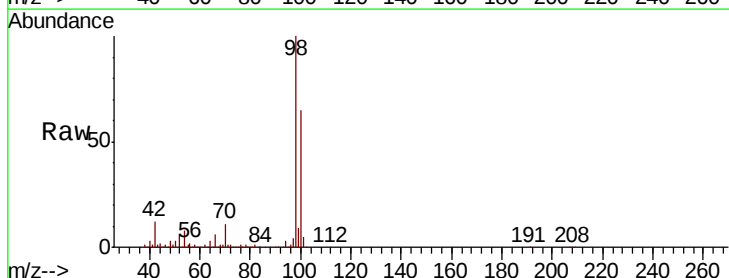
Manual Integrations
APPROVED

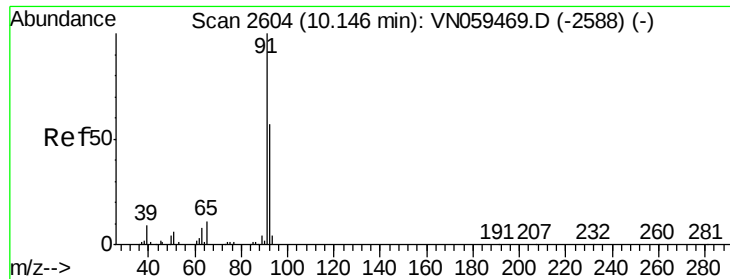
apatel
12/5/2019 11:19:19 AM



#50
Toluene-d8
Concen: 49.330 ug/l
RT: 10.08 min Scan# 2584
Delta R.T. -0.00 min
Lab File: VN059484.D
Acq: 4 Dec 2019 14:08

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.5	52.1	78.1





#52

Toluene

Concen: 188.721 ug/l

RT: 10.15 min Scan# 2604

Delta R.T. -0.00 min

Lab File: VN059484.D

Acq: 4 Dec 2019 14:08

Instrument :

MSVOA_N

ClientSampleId :

30737DL

Tot Ion: 92 Resp: 1830011

Ion Ratio Lower Upper

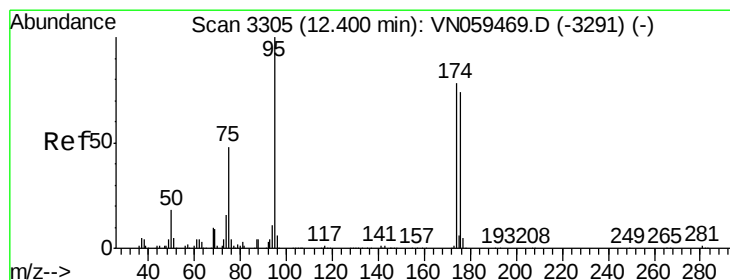
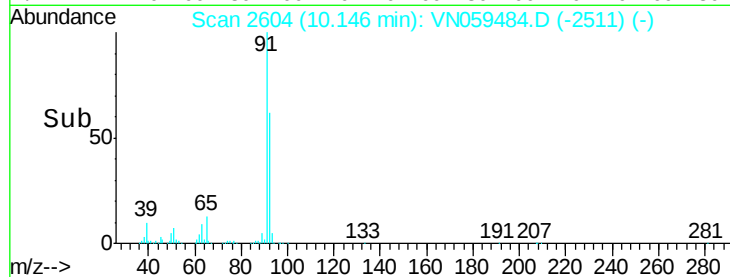
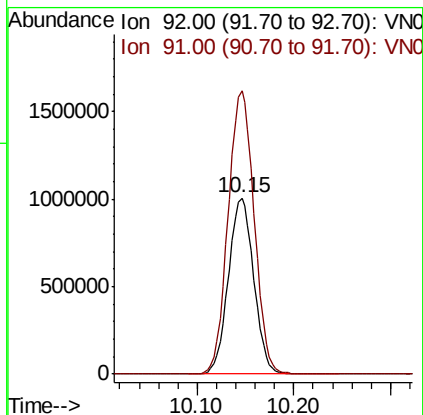
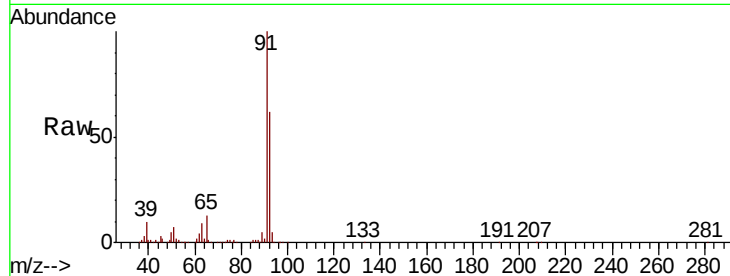
92 100

91 165.6 138.6 208.0

Manual Integrations
APPROVED

apatel

12/5/2019 11:19:19 AM



#62

4-Bromofluorobenzene

Concen: 48.216 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN059484.D

Acq: 4 Dec 2019 14:08

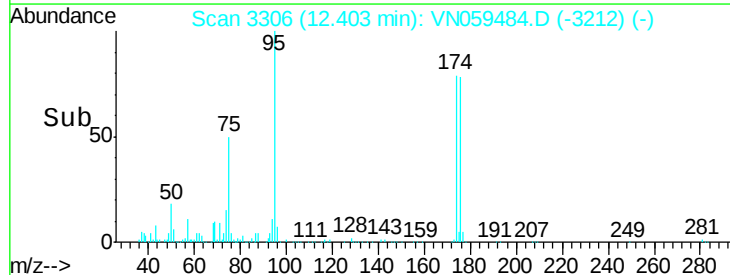
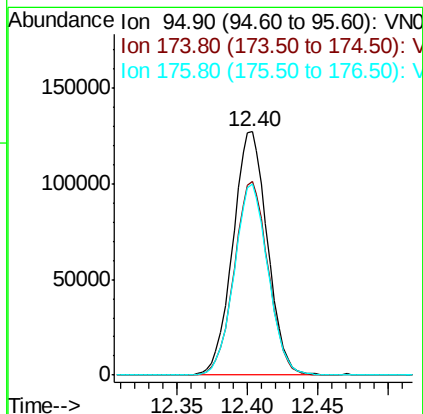
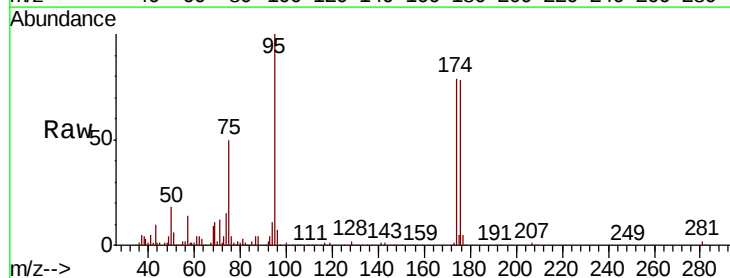
Tgt Ion: 95 Resp: 217560

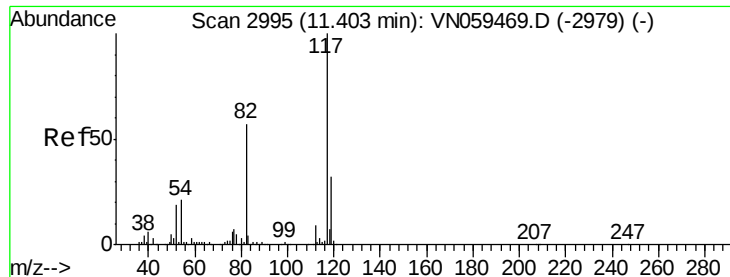
Ion Ratio Lower Upper

95 100

174 78.6 0.0 157.0

176 77.2 0.0 152.4





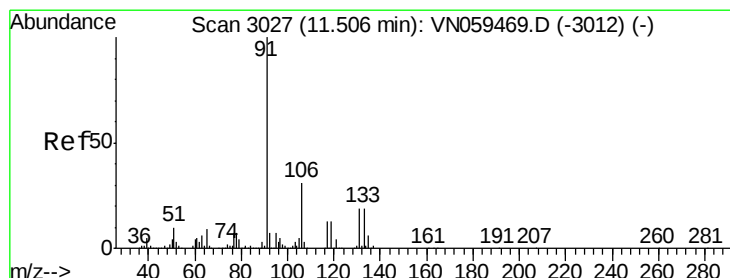
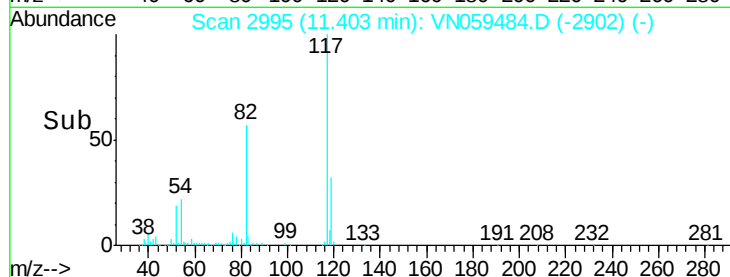
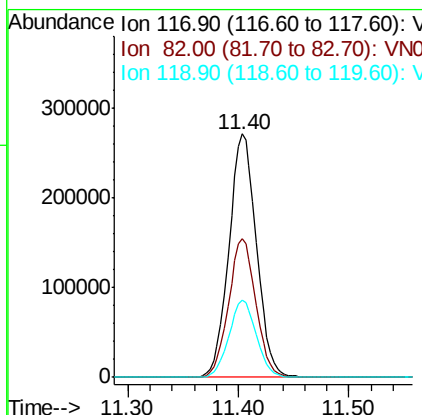
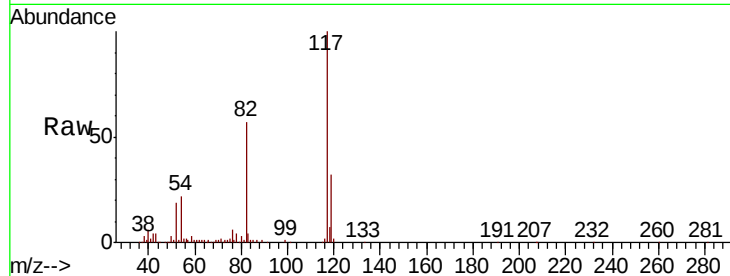
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. -0.00 min
Lab File: VN059484.D
Acq: 4 Dec 2019 14:08

Instrument :
MSVOA_N
ClientSampleId :
30737DL

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.1	45.8	68.8
119	31.8	25.4	38.0

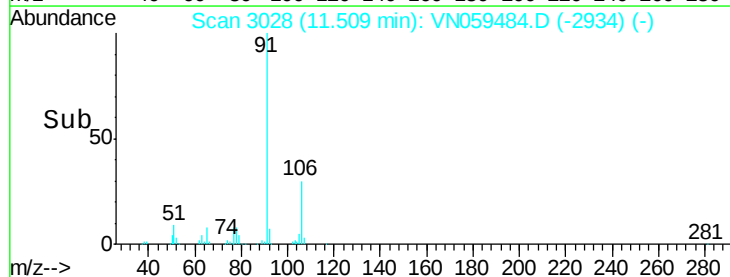
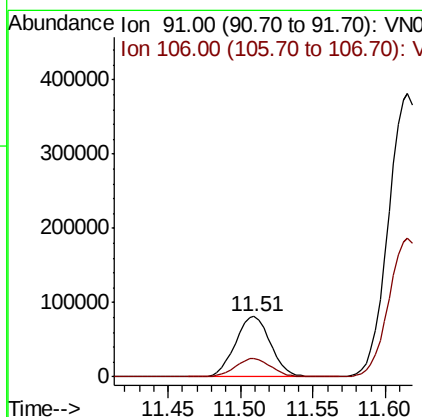
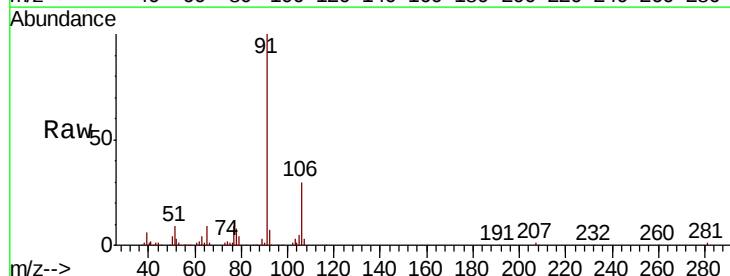
Manual Integrations
APPROVED

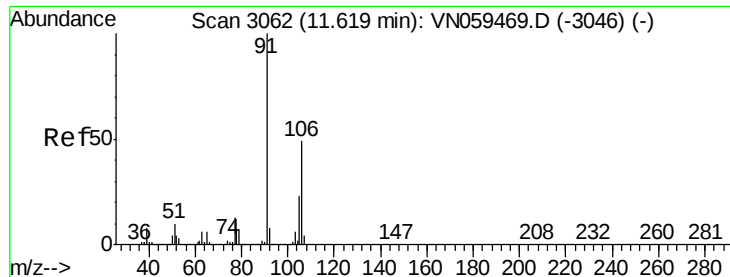
apatel
12/5/2019 11:19:19 AM



#67
Ethyl Benzene
Concen: 7.689 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN059484.D
Acq: 4 Dec 2019 14:08

Tgt Ion	Ratio	Lower	Upper
91	100		
106	30.2	24.7	37.1





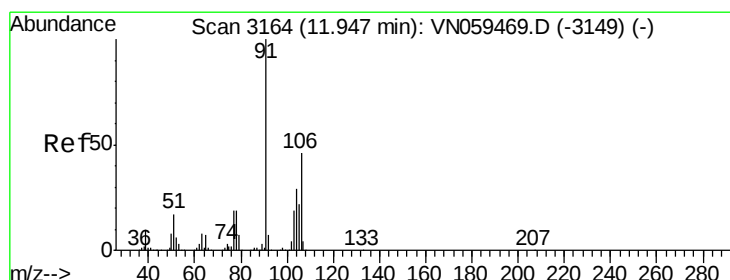
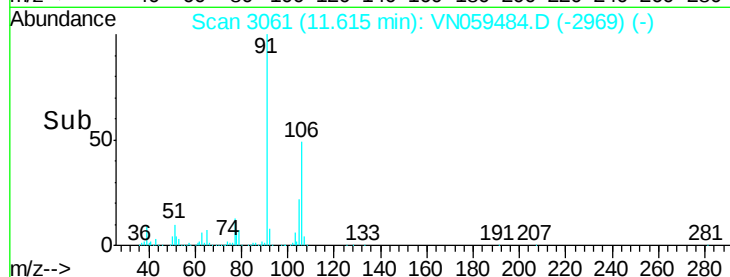
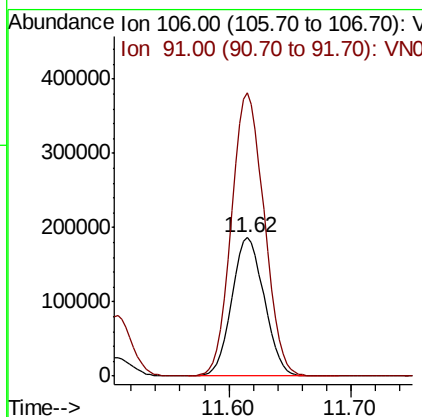
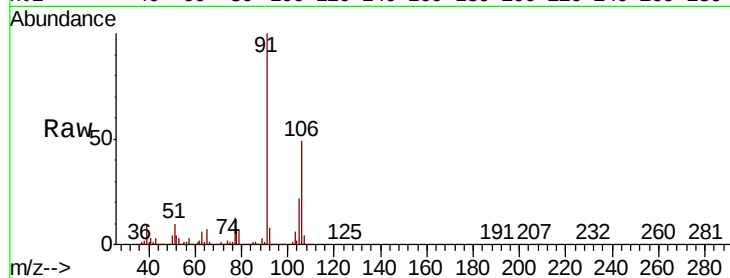
#68
m/p-Xylenes
Concen: 51.474 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. -0.00 min
Lab File: VN059484.D
Acq: 4 Dec 2019 14:08

Instrument :
MSVOA_N
ClientSampled :
30737DL

Tot Ion:106 Resp: 344449
Ion Ratio Lower Upper
106 100
91 205.9 162.2 243.4

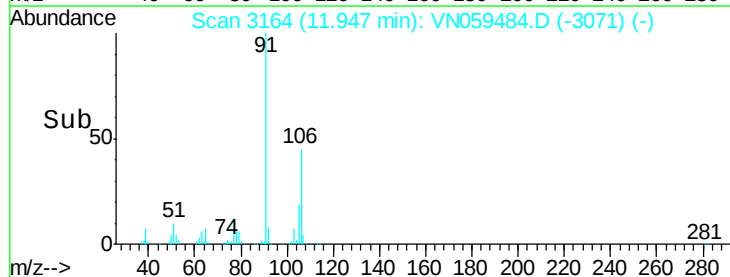
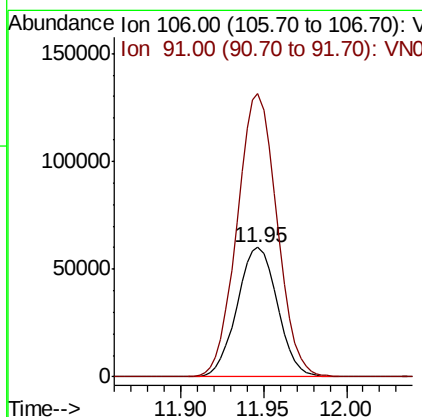
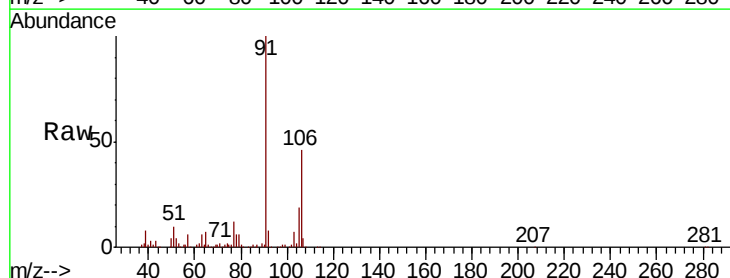
Manual Integrations
APPROVED

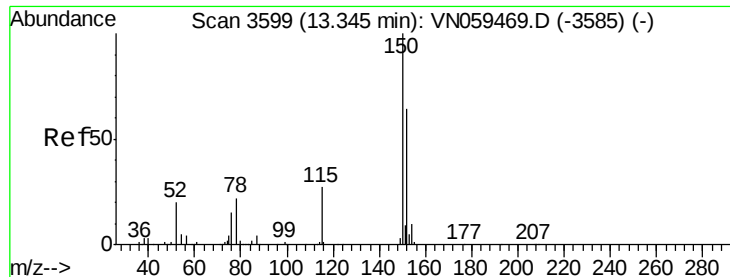
apatel
12/5/2019 11:19:19 AM



#69
o-Xylene
Concen: 15.991 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN059484.D
Acq: 4 Dec 2019 14:08

Tgt Ion:106 Resp: 101873
Ion Ratio Lower Upper
106 100
91 216.7 108.5 325.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. -0.00 min

Lab File: VN059484.D

Acq: 4 Dec 2019 14:08

Instrument :

MSVOA_N

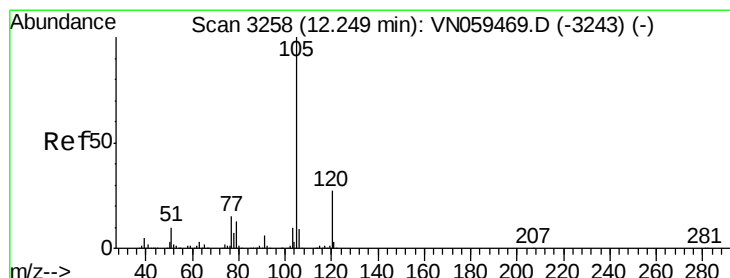
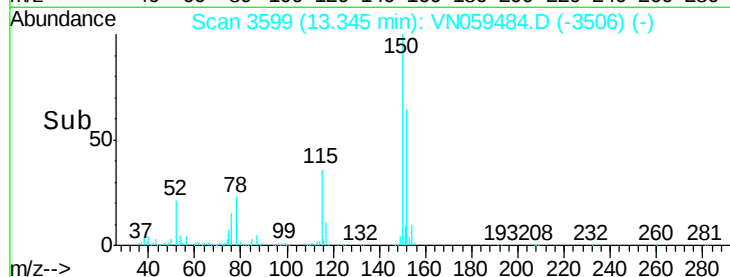
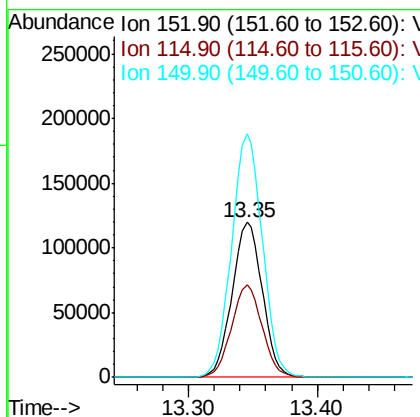
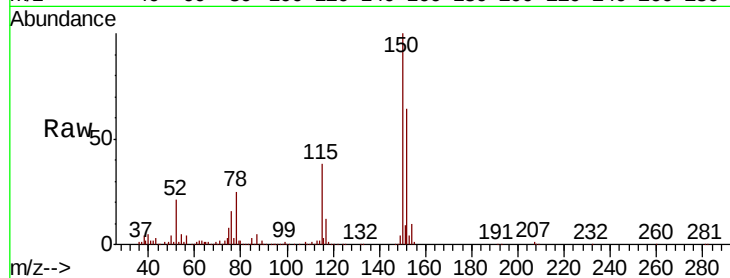
ClientSampled :

30737DL

Tot Ion:	152	Resp:	195529
Ion Ratio	Lower	Upper	
152	100		
115	59.9	29.2	87.6
150	159.5	0.0	352.8

Manual Integrations
APPROVED

apatel
12/5/2019 11:19:19 AM



#73

Isopropylbenzene

Concen: 1.111 ug/l

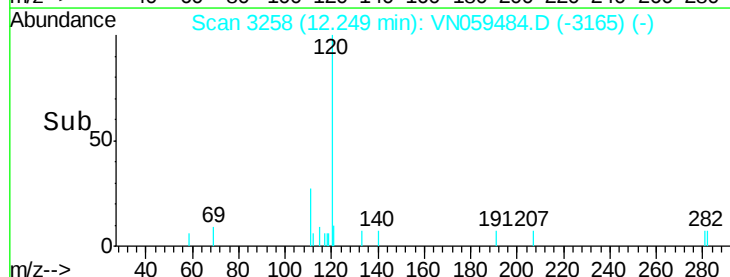
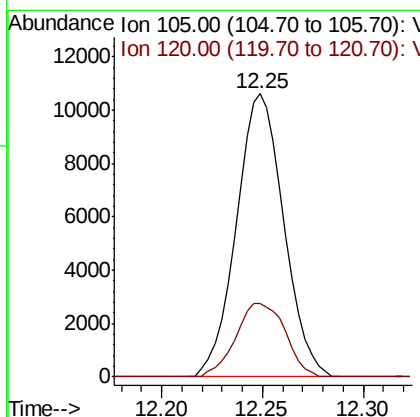
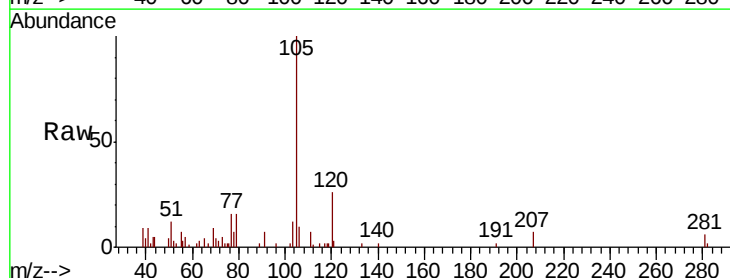
RT: 12.25 min Scan# 3258

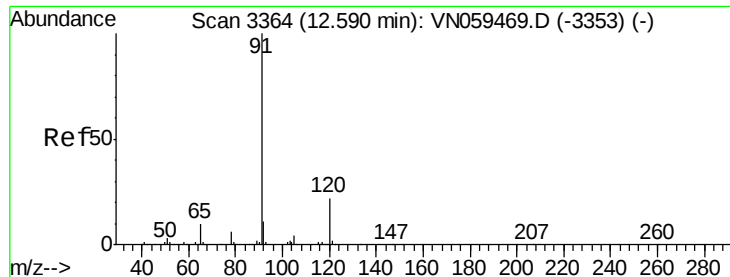
Delta R.T. -0.00 min

Lab File: VN059484.D

Acq: 4 Dec 2019 14:08

Tgt Ion:	105	Resp:	17416
Ion Ratio	Lower	Upper	
105	100		
120	27.2	13.2	39.6





#78

n-propylbenzene

Concen: 1.036 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN059484.D

Acq: 4 Dec 2019 14:08

Instrument :

MSVOA_N

ClientSampled :

30737DL

Tot Ion: 91 Resp: 18907

Ion Ratio Lower Upper

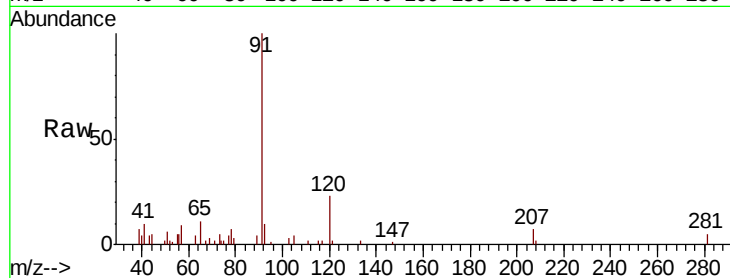
91 100

120 22.6 11.3 33.9

Manual Integrations
APPROVED

apatel

12/5/2019 11:19:19 AM



Abundance Ion 91.00 (90.70 to 91.70): VN059469.D (-3353) (-)

Ion 120.00 (119.70 to 120.70): VN059469.D (-3353) (-)

20000

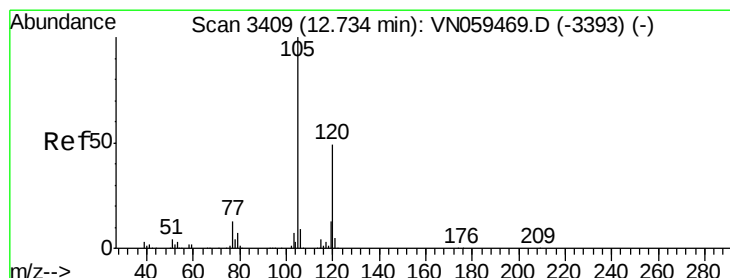
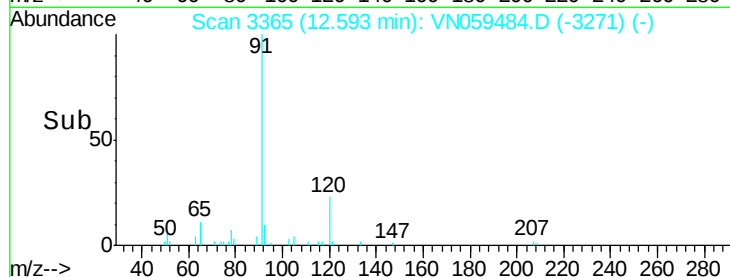
15000

10000

5000

0

Time--> 12.50 12.55 12.60 12.65



#80

1,3,5-Trimethylbenzene

Concen: 6.380 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.00 min

Lab File: VN059484.D

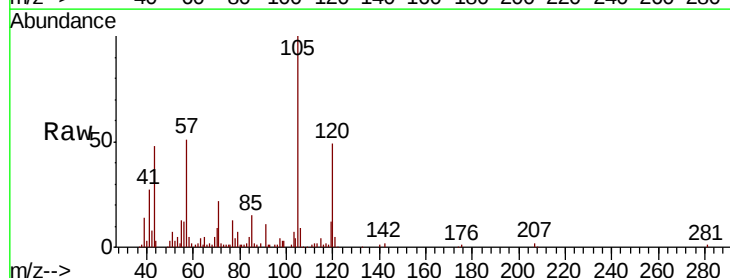
Acq: 4 Dec 2019 14:08

Tgt Ion: 105 Resp: 83602

Ion Ratio Lower Upper

105 100

120 47.0 24.3 73.0



Abundance Ion 105.00 (104.70 to 105.70): VN059469.D (-3393) (-)

Ion 120.00 (119.70 to 120.70): VN059469.D (-3393) (-)

60000

50000

40000

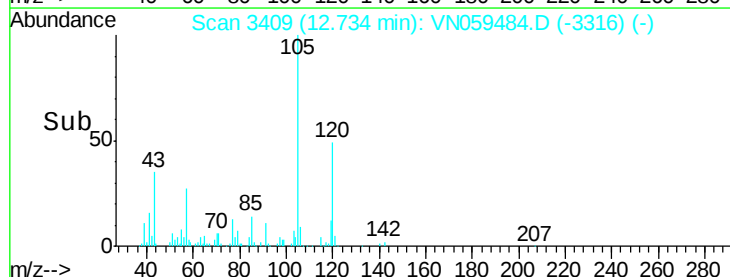
30000

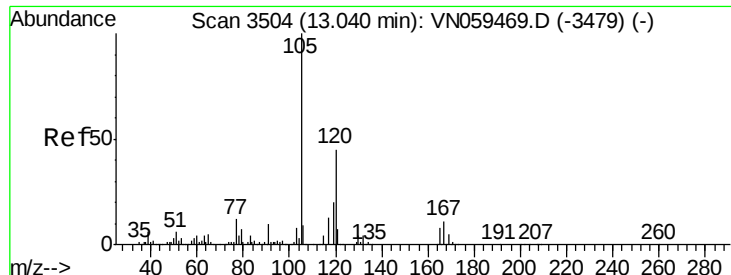
20000

10000

0

Time--> 12.70 12.75 12.80





#84
 1,2,4-Trimethylbenzene
 Concen: 12.521 ug/l
 RT: 13.04 min Scan# 3505
 Delta R.T. 0.00 min
 Lab File: VN059484.D
 Acq: 4 Dec 2019 14:08

Instrument :
 MSVOA_N
 ClientSampleId :
 30737DL

Tot Ion	Ratio	Lower	Upper
105	100		
120	44.0	22.6	67.8

Manual Integrations
 APPROVED

apatel
 12/5/2019 11:19:19 AM

