

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041420\
 Data File : VN060930.D
 Acq On : 14 Apr 2020 13:59
 Operator : JC/MD
 Sample : L2197-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 FUEL-LANE-SEDIMENT-PIT

Manual Integrations
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MMDadoda
 4/15/2020 1:50:02 PM

Quant Time: Apr 15 12:50:47 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 18 08:49:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	144917	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	245287	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	231218	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	112866	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	95664	48.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.18%	
35) Dibromofluoromethane	7.56	113	71680	48.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.66%	
50) Toluene-d8	10.08	98	306164	50.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.08%	
62) 4-Bromofluorobenzene	12.39	95	118208	53.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.48%	
Target Compounds						
					Qvalue	
13) Acrolein	3.58	56	4351	13.418	ug/l	99
16) Acetone	3.78	43	51030	72.416	ug/l	96
20) Methylene Chloride	4.52	84	6906	3.984	ug/l	97
25) 2-Butanone	6.80	43	20870	18.302	ug/l	93
37) Ethyl Acetate	6.89	43	29094	11.337	ug/l	99
43) Isopropyl Acetate	8.14	43	41107	9.712	ug/l #	91
51) 4-Methyl-2-Pentanone	9.97	43	72506	30.105	ug/l	98
68) m/p-Xylenes	11.61	106	6389	2.017	ug/l	92
69) o-Xylene	11.94	106	4690	1.551	ug/l	97
78) n-propylbenzene	12.59	91	10924	1.092	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	12413	1.727	ug/l	97
84) 1,2,4-Trimethylbenzene	13.05	105	336704m	47.349	ug/l	
85) sec-Butylbenzene	13.17	105	9979m	1.245	ug/l	
86) p-Isopropyltoluene	13.28	119	14316	1.987	ug/l	99
89) n-Butylbenzene	13.61	91	14683m	2.257	ug/l	
95) Naphthalene	15.13	128	27654	4.350	ug/l #	86

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

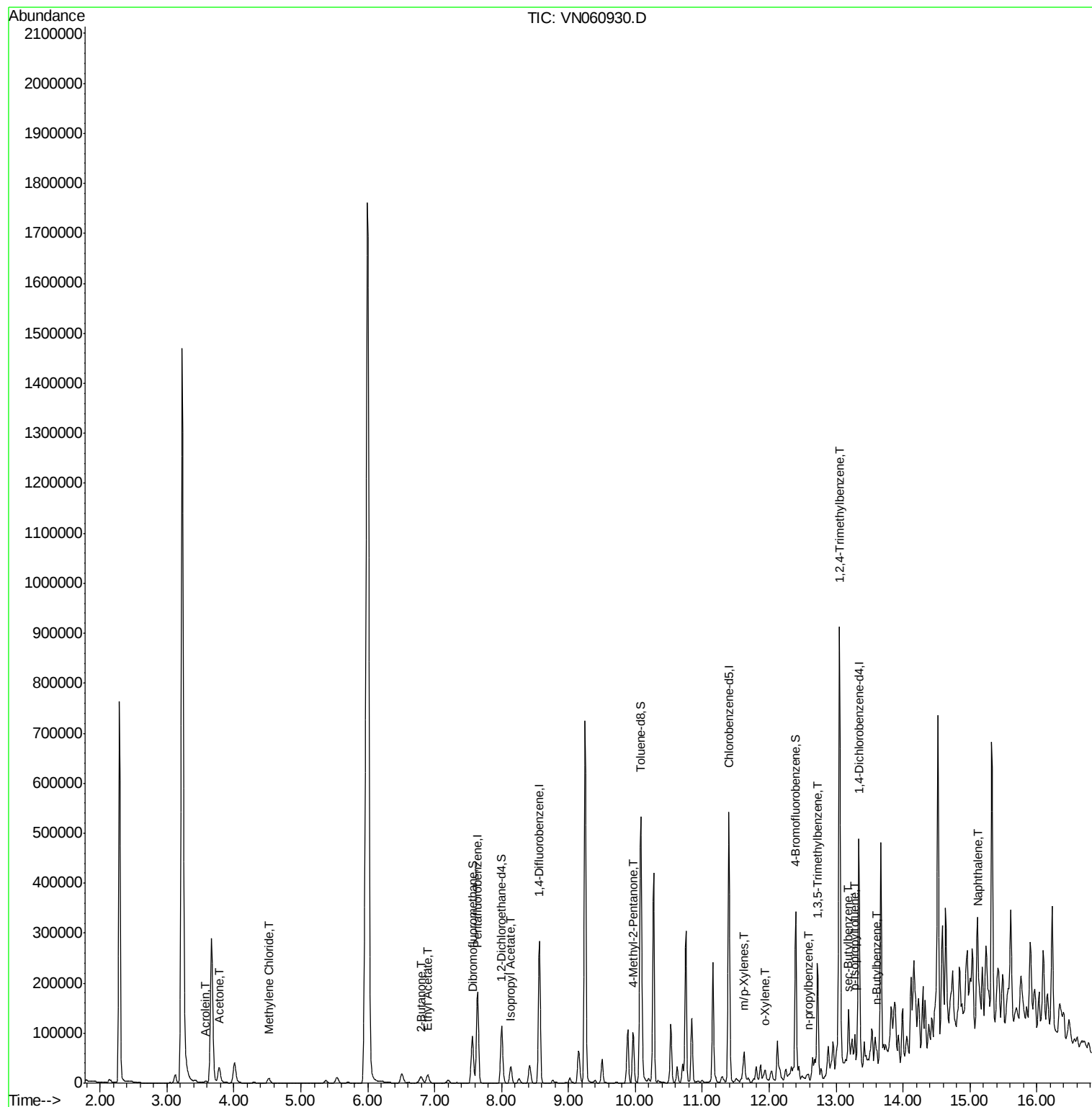
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN041420\
Data File : VN060930.D
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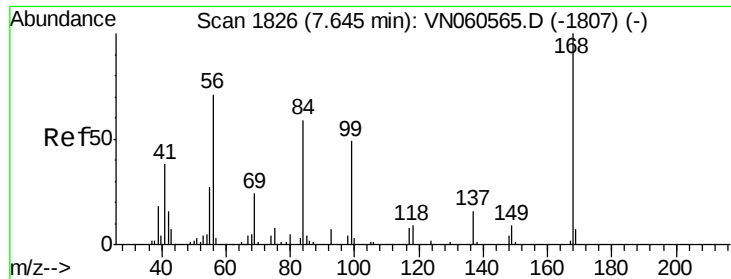
Instrument :
MSVOA_N
ClientSampleId :
FUEL-LANE-SEDIMENT-PIT

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N031820W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 18 08:49:09 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060930.D

Acq: 14 Apr 2020 13:59

Instrument :

MSVOA_N

ClientSampleId :

FUEL-LANE-SEDIMENT-PIT

Tot Ion:168 Resp: 144917

Ion Ratio Lower Upper

168 100

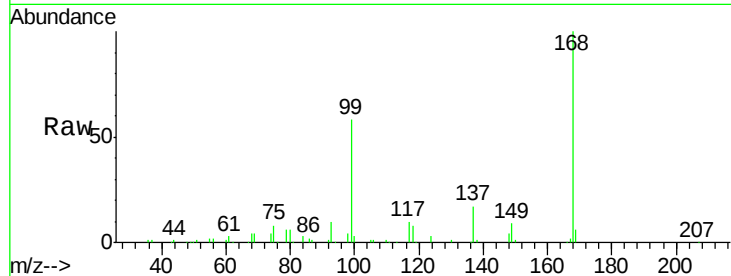
99 57.7 44.0 66.0

Manual Integrations

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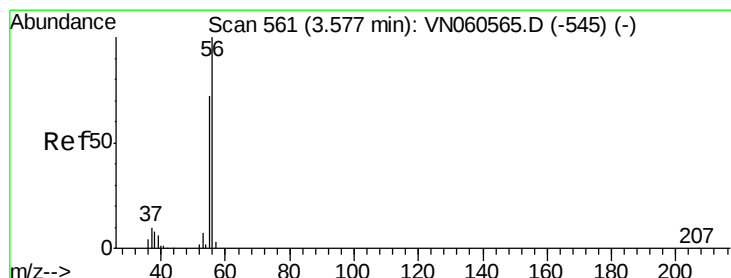
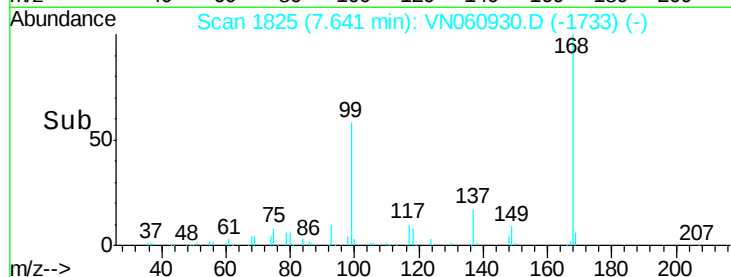
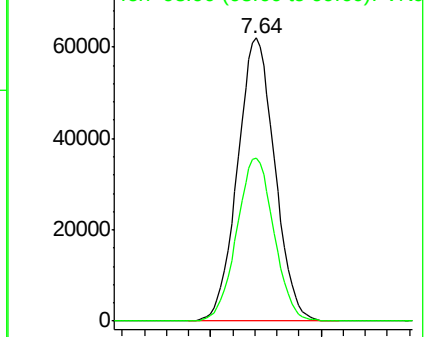
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#13

Acrolein

Concen: 13.418 ug/l

RT: 3.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VN060930.D

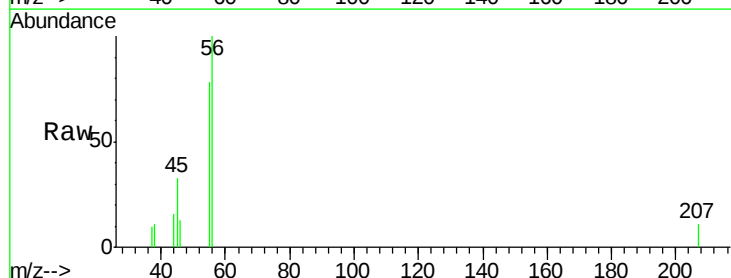
Acq: 14 Apr 2020 13:59

Tgt Ion: 56 Resp: 4351

Ion Ratio Lower Upper

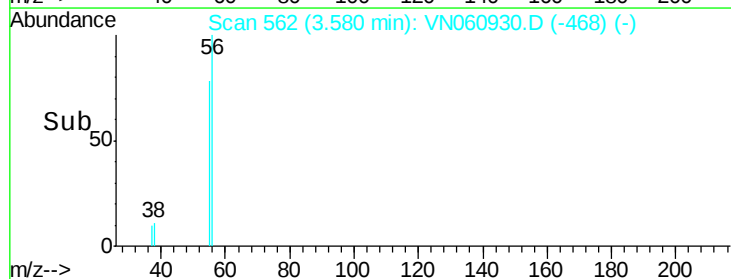
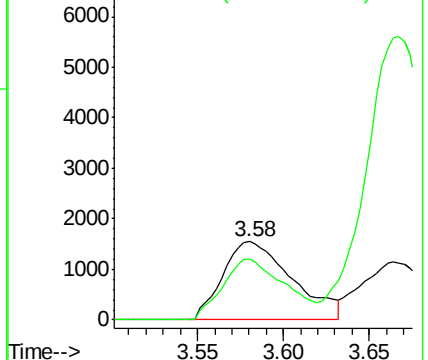
56 100

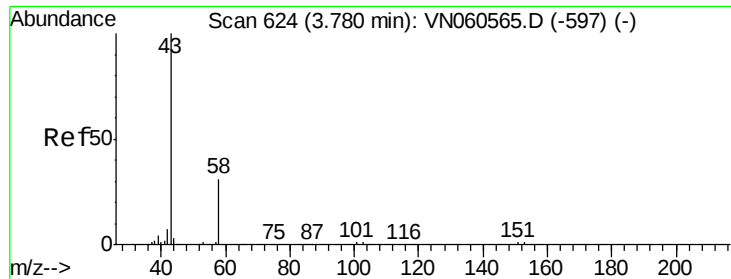
55 70.0 56.7 85.1



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0





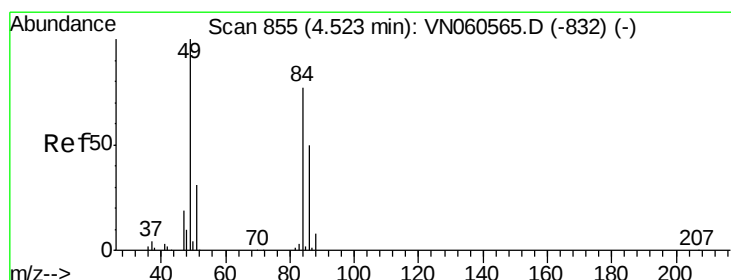
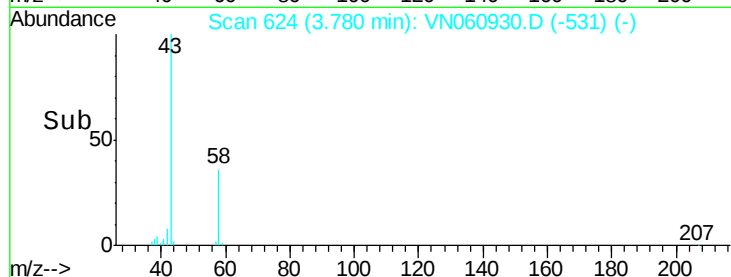
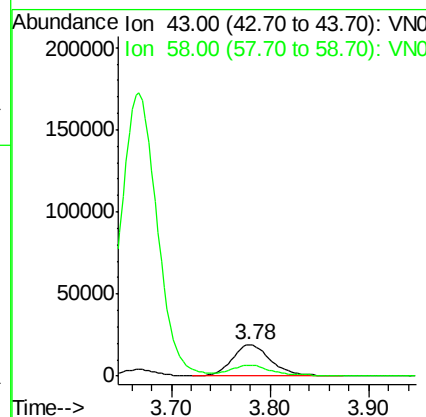
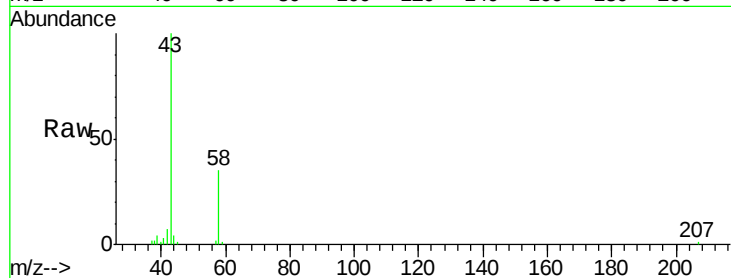
#16
Acetone
Concen: 72.416 ug/l
RT: 3.78 min Scan# 624
Delta R.T. -0.00 min
Lab File: VN060930.D
Acq: 14 Apr 2020 13:59

Instrument :
MSVOA_N
ClientSampleId :
FUEL-LANE-SEDIMENT-PIT

Tot Ion: 43 Resp: 51030
Ion Ratio Lower Upper
43 100
58 33.4 25.1 37.7

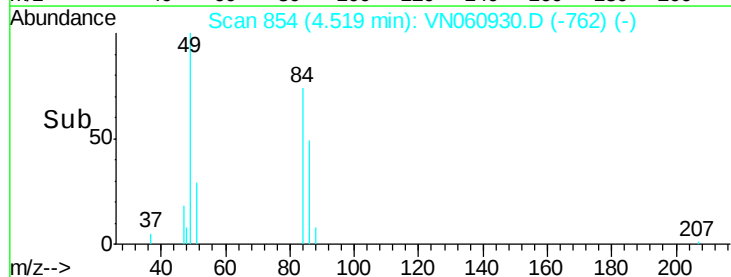
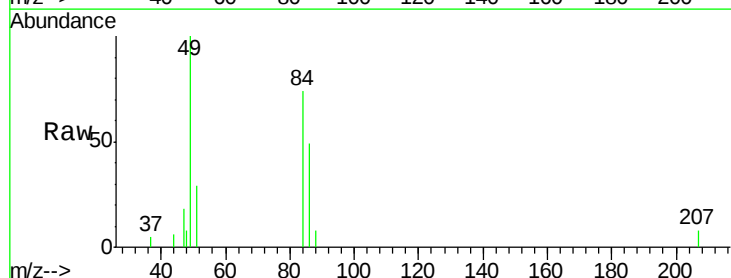
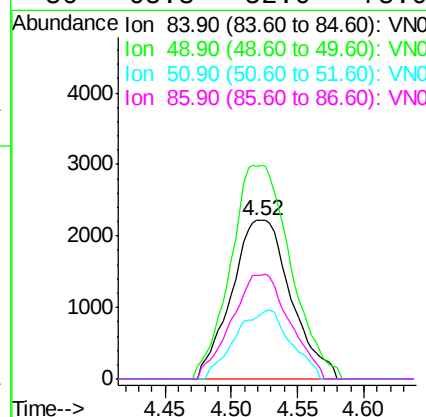
Manual Integrations
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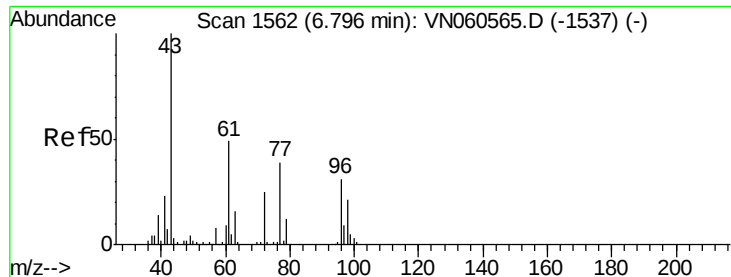
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#20
Methylene Chloride
Concen: 3.984 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN060930.D
Acq: 14 Apr 2020 13:59

Tgt Ion: 84 Resp: 6906
Ion Ratio Lower Upper
84 100
49 134.4 103.3 154.9
51 38.8 31.6 47.4
86 65.3 52.0 78.0





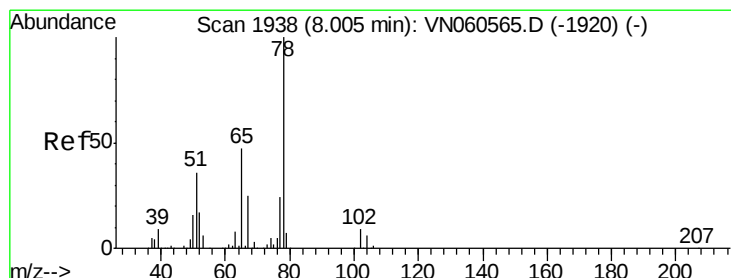
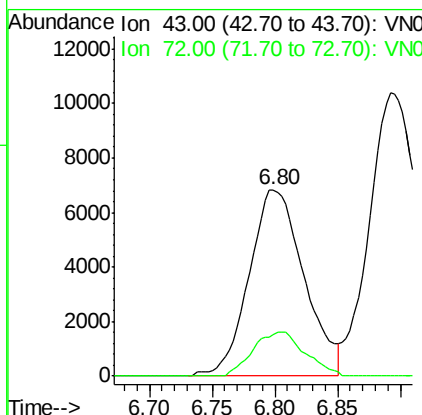
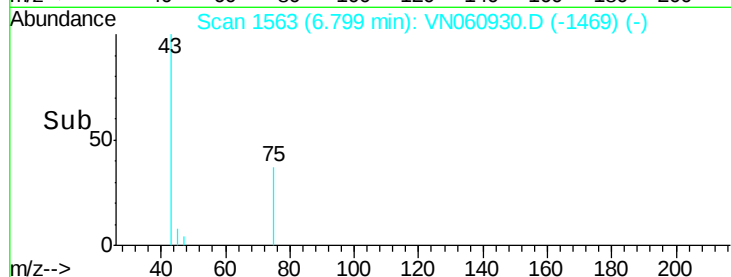
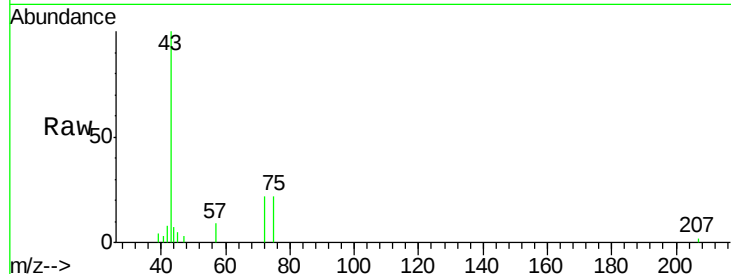
#25
2-Butanone
Concen: 18.302 ug/l
RT: 6.80 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VN060930.D
Acq: 14 Apr 2020 13:59

Instrument :
MSVOA_N
ClientSampleId :
FUEL-LANE-SEDIMENT-PIT

Tot Ion: 43 Resp: 20870
Ion Ratio Lower Upper
43 100
72 22.0 20.4 30.6

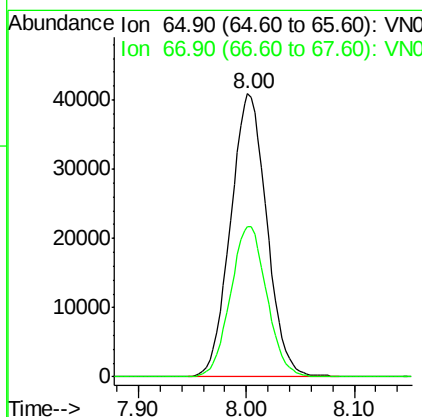
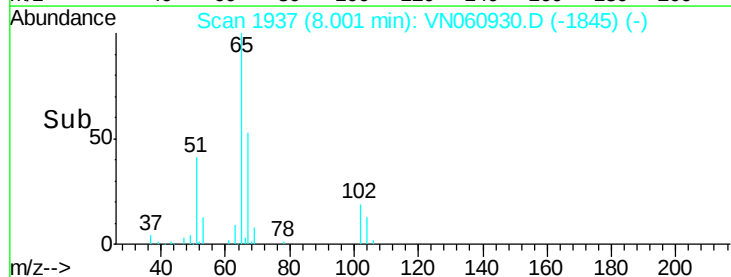
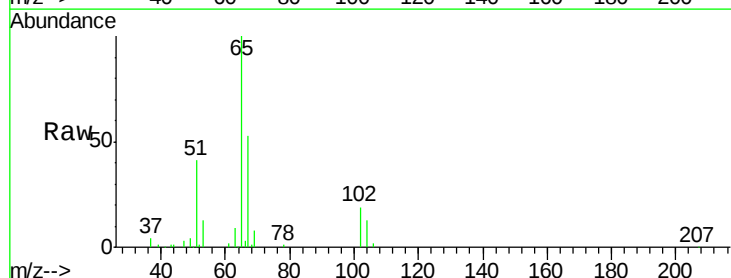
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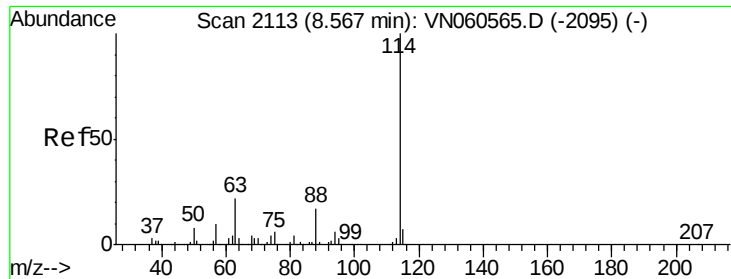
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#33
1,2-Dichloroethane-d4
Concen: 48.087 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VN060930.D
Acq: 14 Apr 2020 13:59

Tgt Ion: 65 Resp: 95664
Ion Ratio Lower Upper
65 100
67 53.1 0.0 107.6





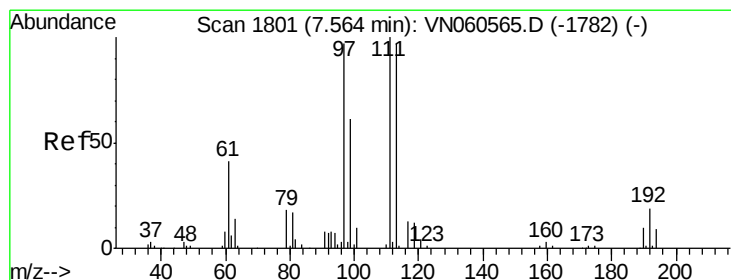
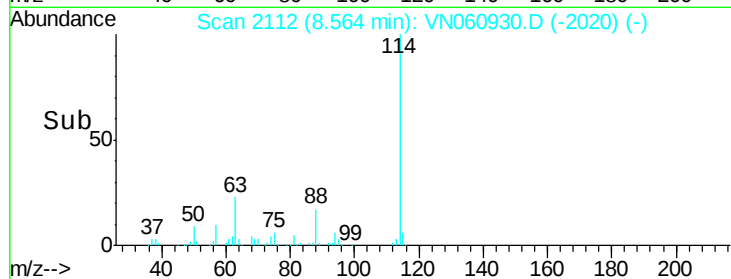
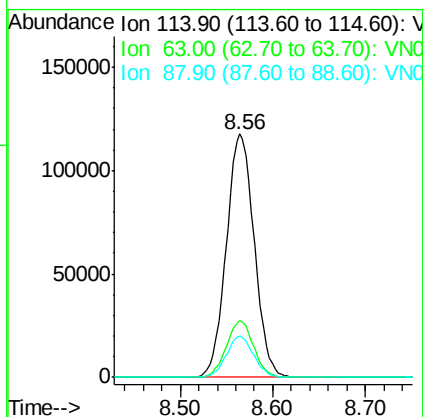
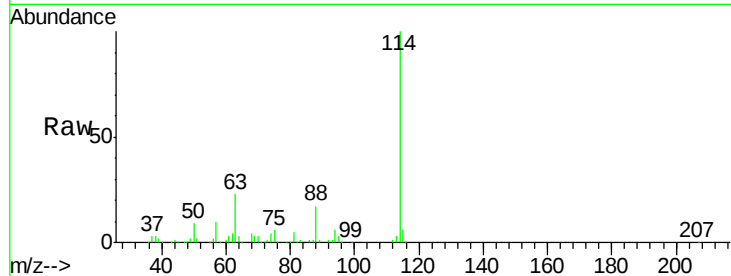
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VN060930.D
 Acq: 14 Apr 2020 13:59

Instrument :
 MSVOA_N
 ClientSampleId :
 FUEL-LANE-SEDIMENT-PIT

Tot Ion	Ratio	Resp Lower	Upper
114	100		
63	23.4	0.0	43.8
88	17.0	0.0	33.0

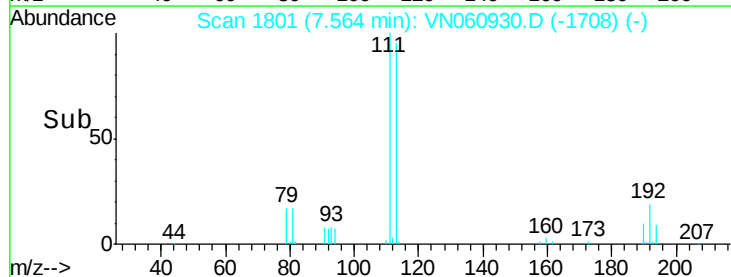
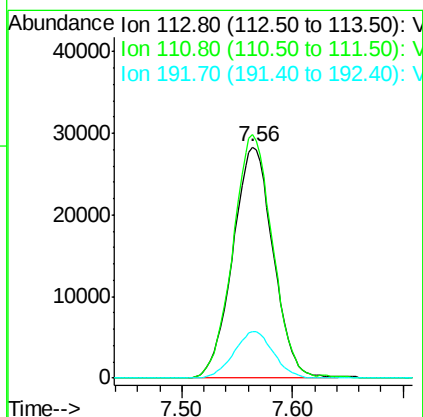
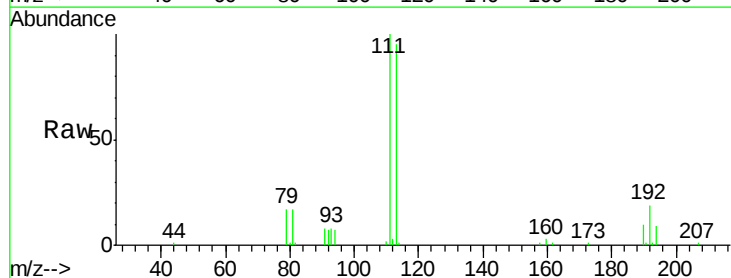
Manual Integrations
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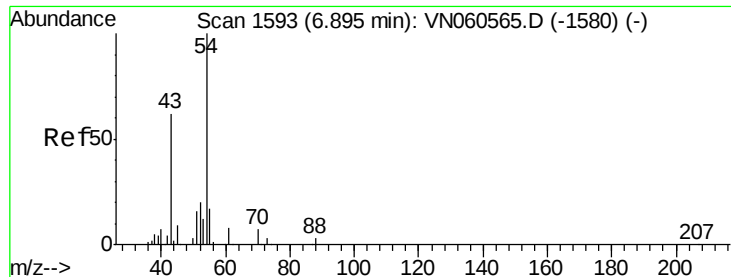
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#35
 Dibromofluoromethane
 Concen: 48.329 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: VN060930.D
 Acq: 14 Apr 2020 13:59

Tgt Ion	Ratio	Resp Lower	Upper
113	100		
111	103.4	82.9	124.3
192	19.6	15.8	23.8





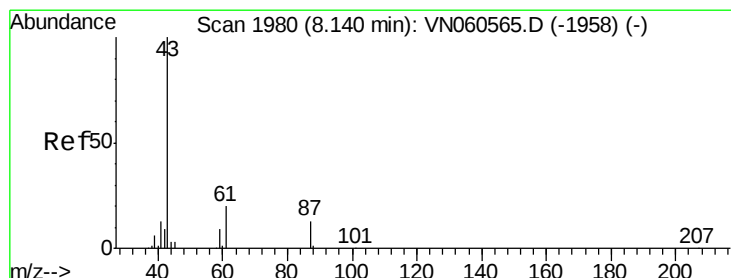
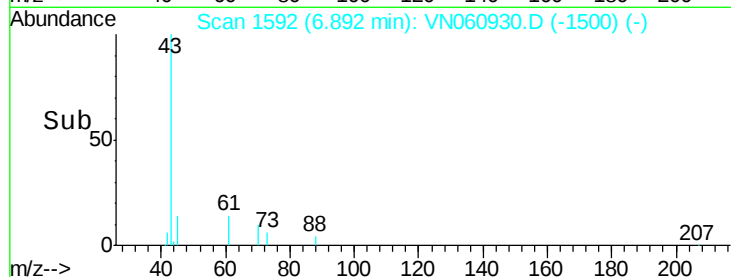
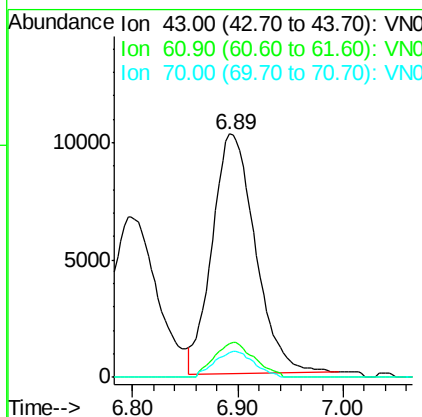
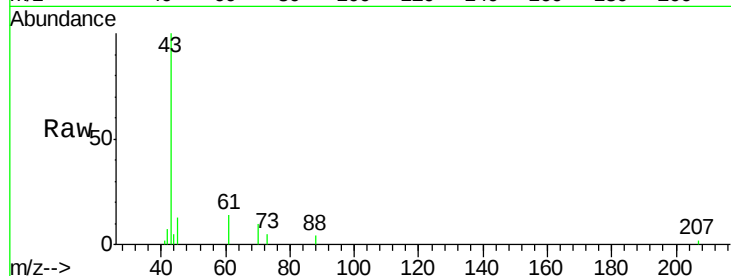
#37
 Ethyl Acetate
 Concen: 11.337 ug/l
 RT: 6.89 min Scan# 1592
 Delta R.T. -0.00 min
 Lab File: VN060930.D
 Acq: 14 Apr 2020 13:59

Instrument :
 MSVOA_N
 ClientSampleId :
 FUEL-LANE-SEDIMENT-PIT

Tot Ion	Ratio	Resp	Lower	Upper
43	100	29094		
61	13.5		10.6	15.8
70	9.9		7.9	11.9

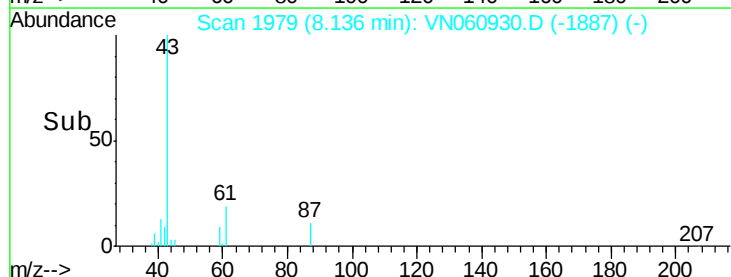
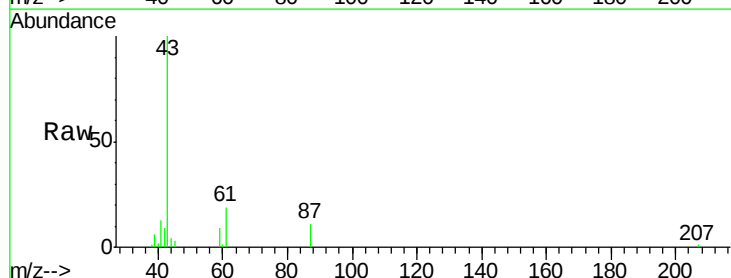
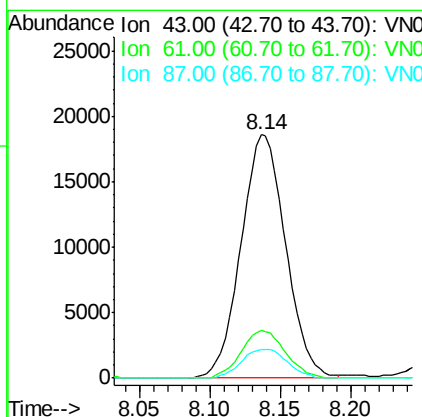
Manual Integrations
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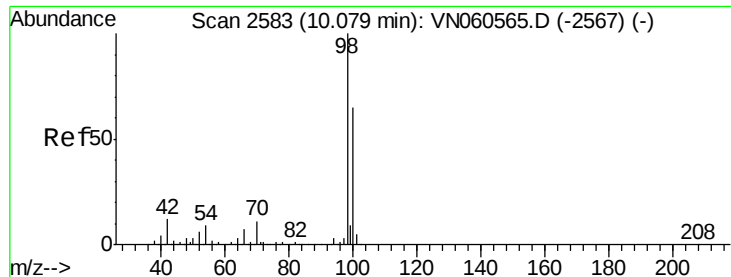
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#43
 Isopropyl Acetate
 Concen: 9.712 ug/l
 RT: 8.14 min Scan# 1979
 Delta R.T. -0.00 min
 Lab File: VN060930.D
 Acq: 14 Apr 2020 13:59

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	41107		
61	19.4		20.7	31.1#
87	12.0		9.8	14.8





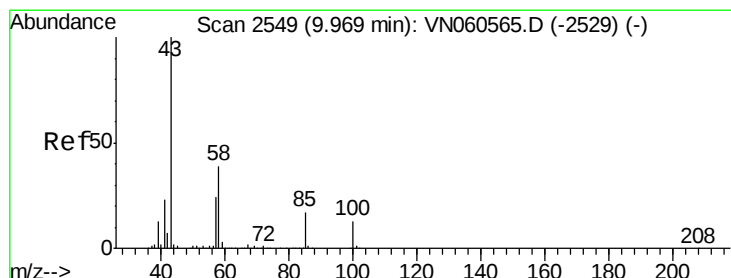
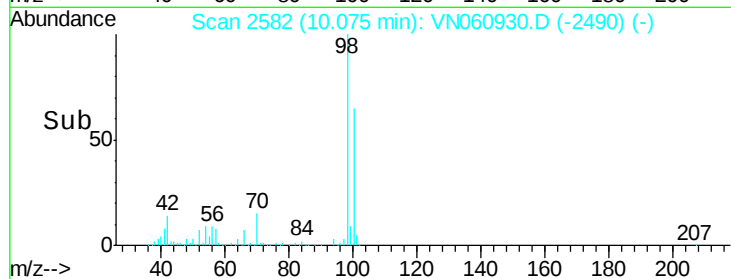
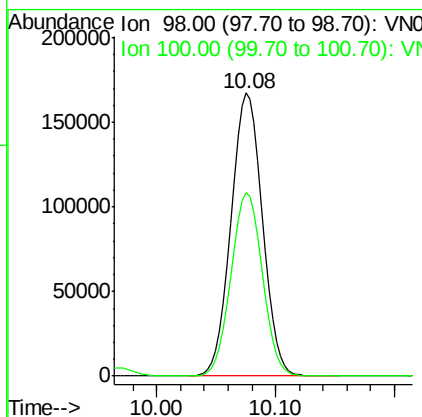
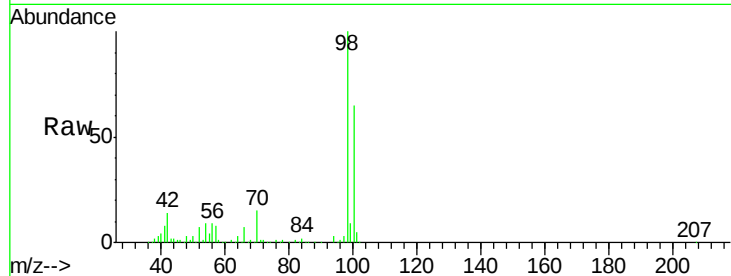
#50
Toluene-d8
Concen: 50.537 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN060930.D
Acq: 14 Apr 2020 13:59

Instrument :
MSVOA_N
ClientSampleId :
FUEL-LANE-SEDIMENT-PIT

Tot Ion	Ion	Ratio	Resp	Lower	Upper
98	100	64.7	51.8	77.8	

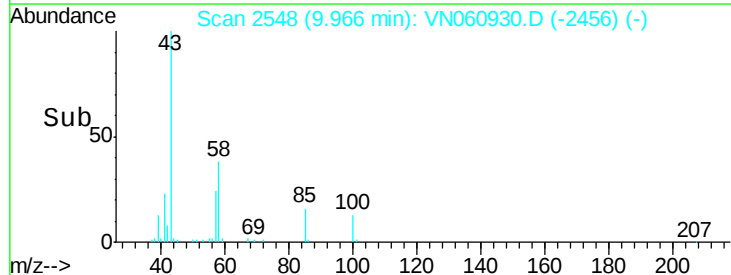
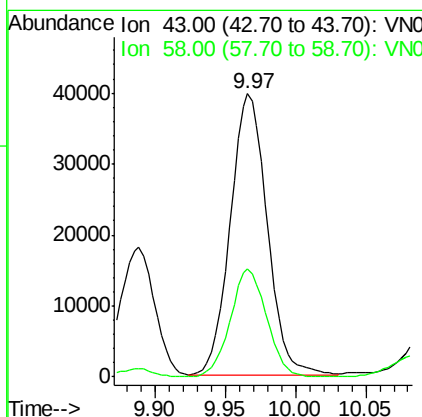
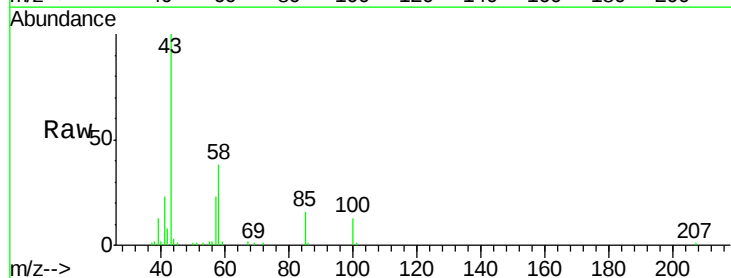
Manual Integrations
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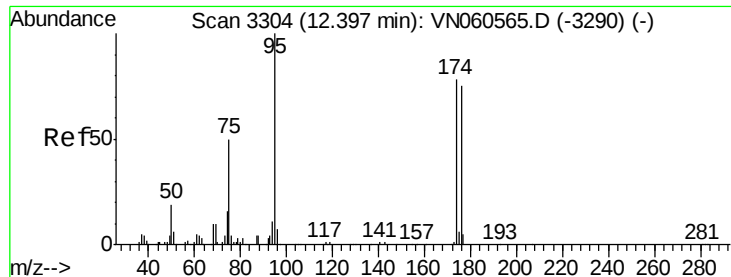
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#51
4-Methyl-2-Pentanone
Concen: 30.105 ug/l
RT: 9.97 min Scan# 2548
Delta R.T. -0.00 min
Lab File: VN060930.D
Acq: 14 Apr 2020 13:59

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
43	100	37.6	30.8	46.2	





#62

4-Bromofluorobenzene

Concen: 53.241 ug/l

RT: 12.39 min Scan# 3303

Delta R.T. -0.00 min

Lab File: VN060930.D

Acq: 14 Apr 2020 13:59

Instrument :

MSVOA_N

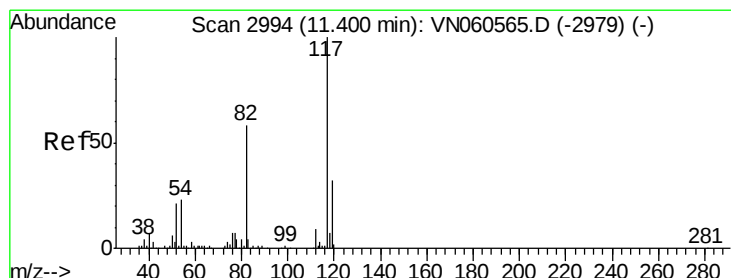
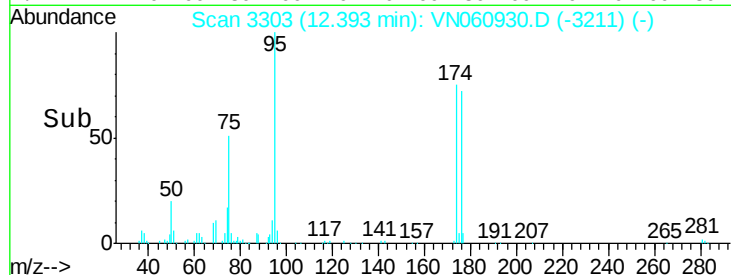
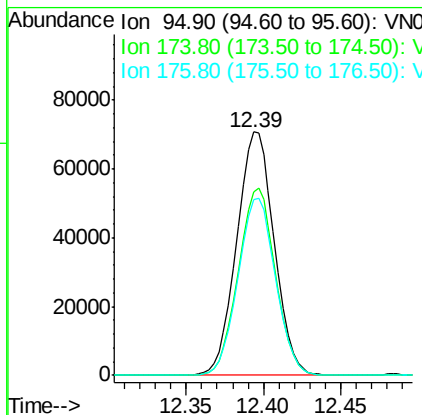
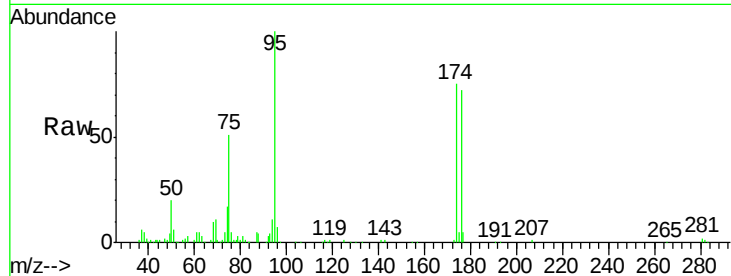
ClientSampleId :

FUEL-LANE-SEDIMENT-PIT

Tot Ion:	95	Resp:	118208
Ion Ratio	Lower	Upper	
95	100		
174	76.6	0.0	157.6
176	73.5	0.0	150.6

Manual Integrations
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#63

Chlorobenzene-d5

Concen: 50.000 ug/l

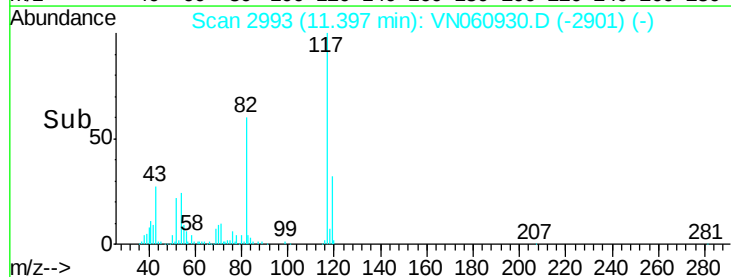
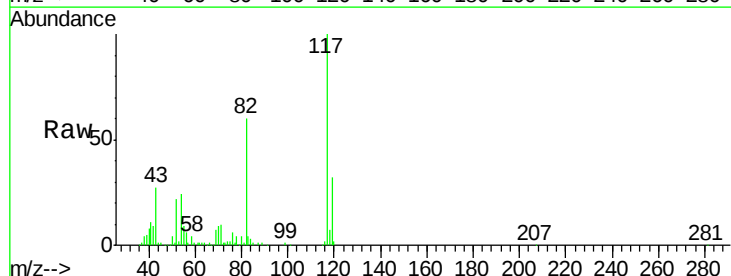
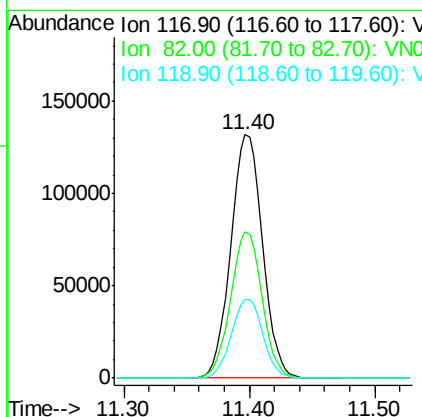
RT: 11.40 min Scan# 2993

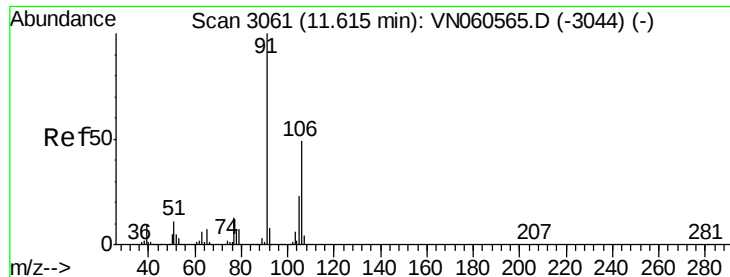
Delta R.T. -0.00 min

Lab File: VN060930.D

Acq: 14 Apr 2020 13:59

Tgt Ion:	117	Resp:	231218
Ion Ratio	Lower	Upper	
117	100		
82	60.2	46.7	70.1
119	32.2	25.5	38.3





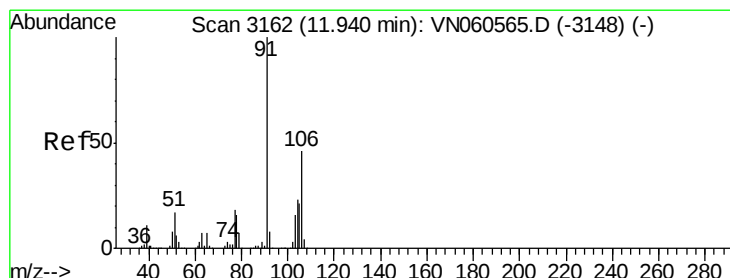
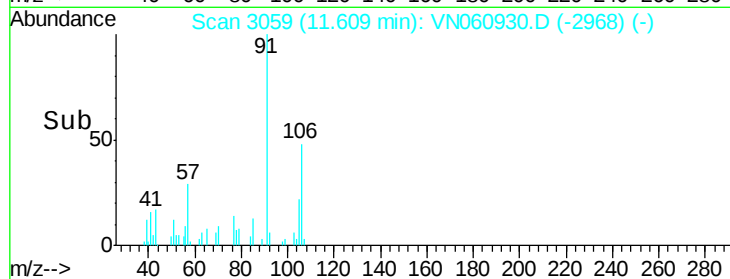
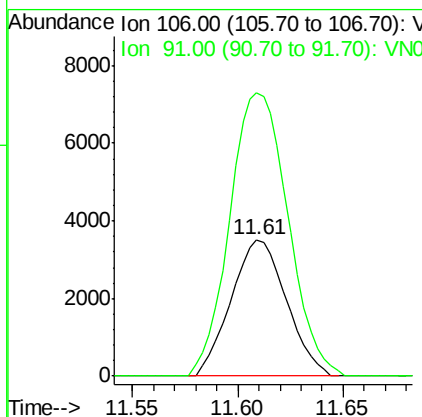
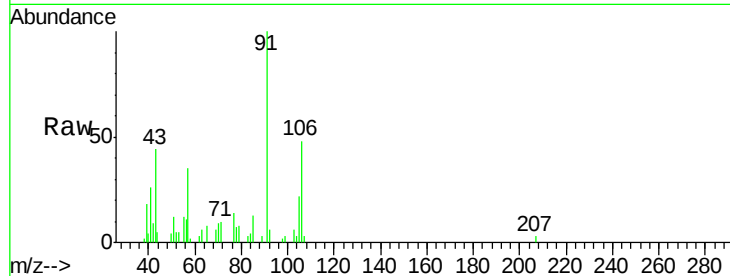
#68
m/p-Xylenes
Concen: 2.017 ug/l
RT: 11.61 min Scan# 3059
Delta R.T. -0.01 min
Lab File: VN060930.D
Acq: 14 Apr 2020 13:59

Instrument :
MSVOA_N
ClientSampleId :
FUEL-LANE-SEDIMENT-PIT

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	219.1	165.0	247.4	

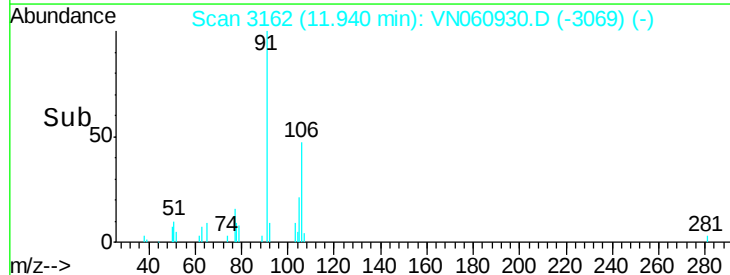
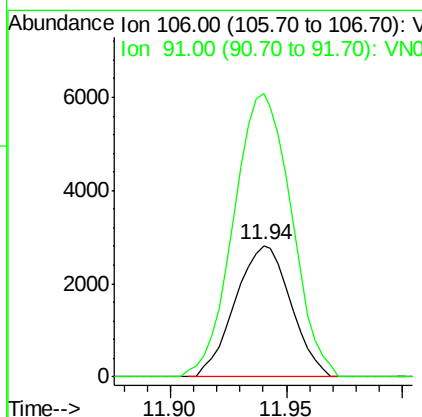
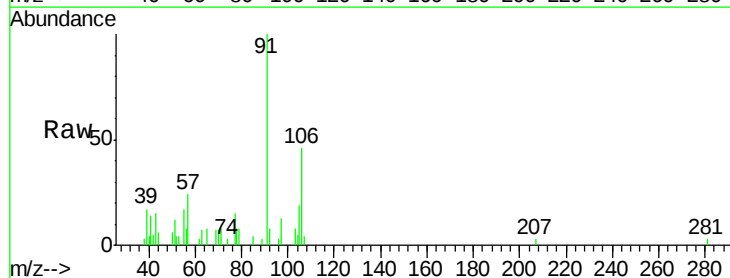
Manual Integrations
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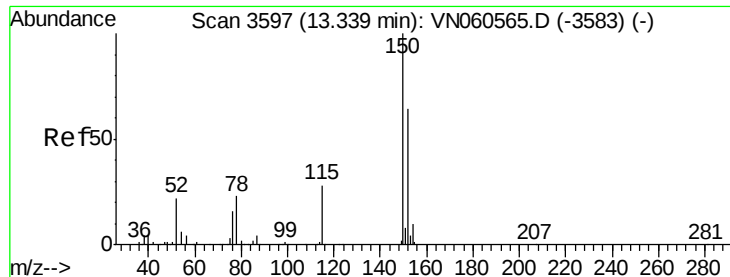
MMDadoda
4/15/2020 1:50:02 PM



#69
o-Xylene
Concen: 1.551 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. -0.00 min
Lab File: VN060930.D
Acq: 14 Apr 2020 13:59

Tgt Ion	Ion	Ratio	Lower	Upper
106	100			
91	223.9	109.5	328.4	





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. -0.00 min

Lab File: VN060930.D

Acq: 14 Apr 2020 13:59

Instrument :

MSVOA_N

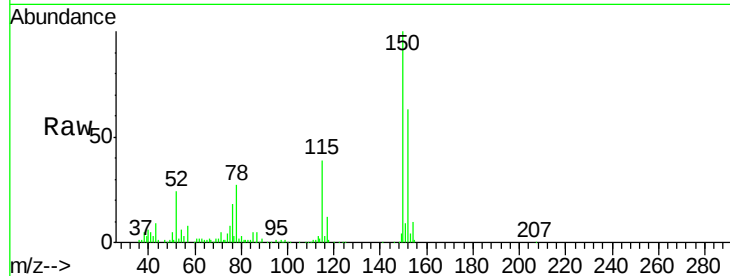
ClientSampleId :

FUEL-LANE-SEDIMENT-PIT

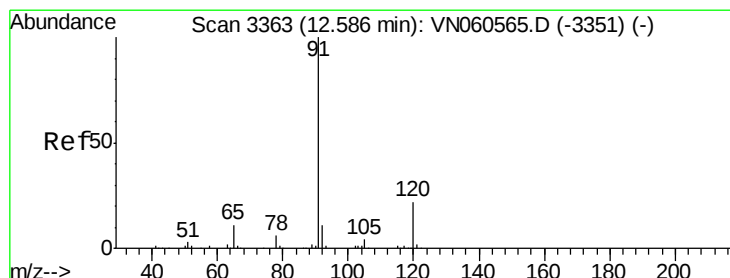
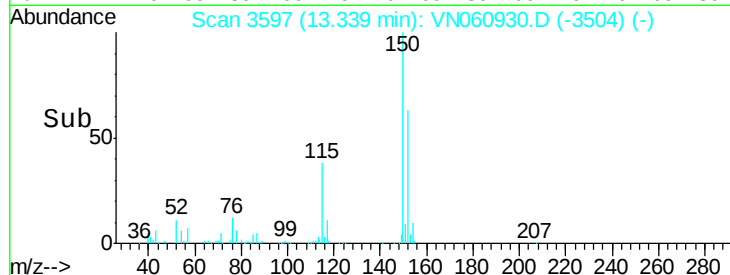
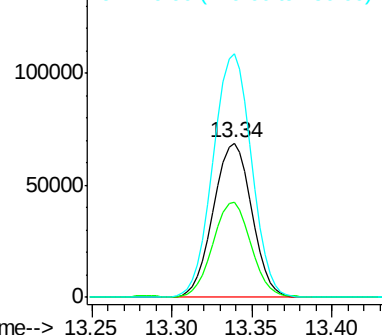
Tot Ion:	152	Resp:	112866
Ion Ratio	Lower	Upper	
152	100		
115	61.6	30.2	90.6
150	157.9	0.0	350.2

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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



#78

n-propylbenzene

Concen: 1.092 ug/l

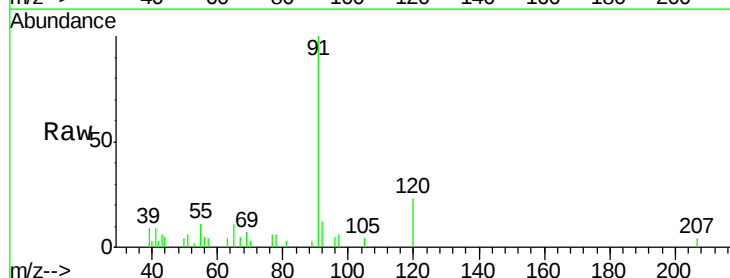
RT: 12.59 min Scan# 3363

Delta R.T. -0.00 min

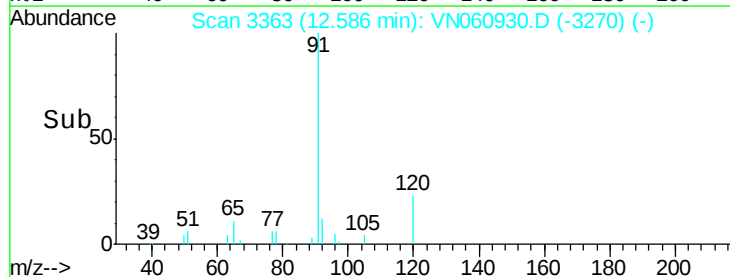
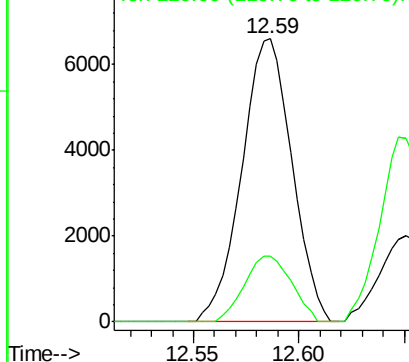
Lab File: VN060930.D

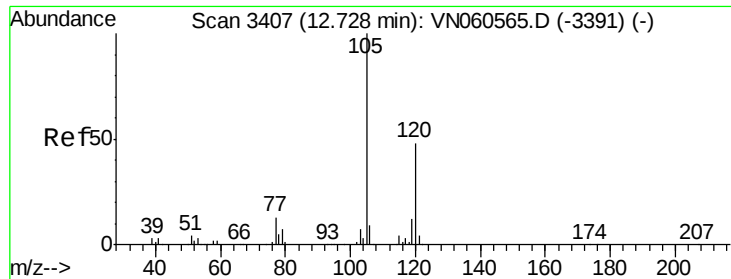
Acq: 14 Apr 2020 13:59

Tgt Ion:	91	Resp:	10924
Ion Ratio	Lower	Upper	
91	100		
120	21.8	11.3	33.8



Abundance Ion 91.00 (90.70 to 91.70): V
Ion 120.00 (119.70 to 120.70): V





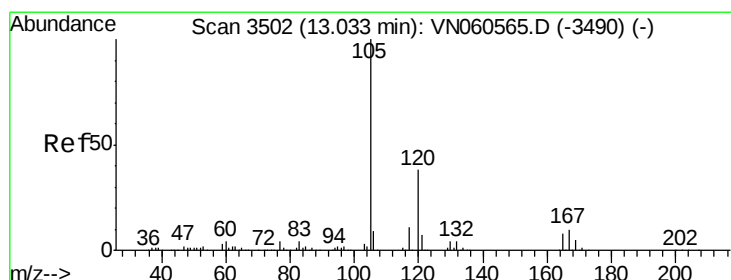
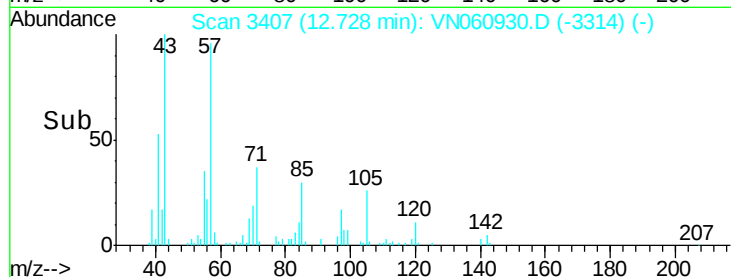
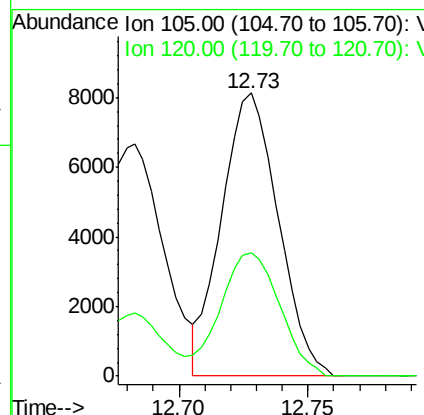
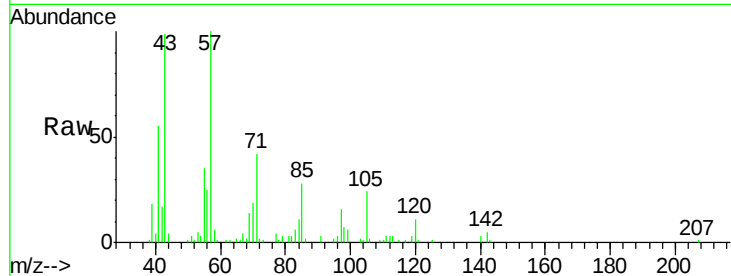
#80
 1,3,5-Trimethylbenzene
 Concen: 1.727 ug/l
 RT: 12.73 min Scan# 3407
 Delta R.T. -0.00 min
 Lab File: VN060930.D
 Acq: 14 Apr 2020 13:59

Instrument :
 MSVOA_N
 ClientSampleId :
 FUEL-LANE-SEDIMENT-PIT

Tot Ion	Ratio	Lower	Upper
105	100		
120	46.0	23.9	71.7

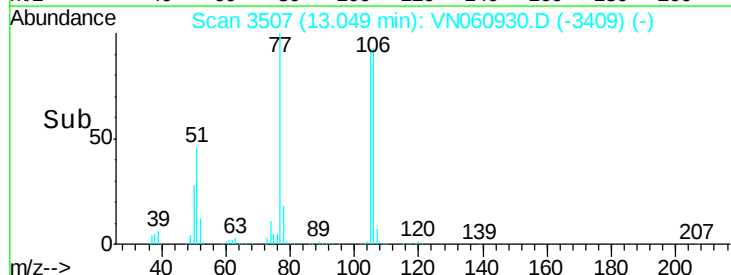
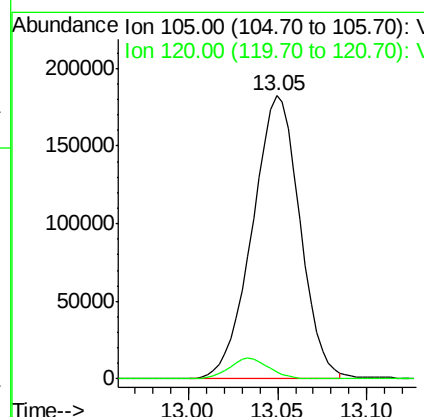
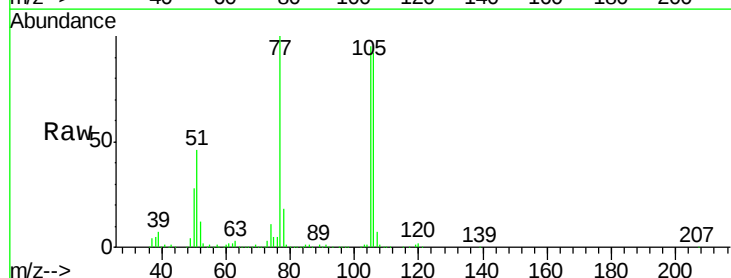
Manual Integrations
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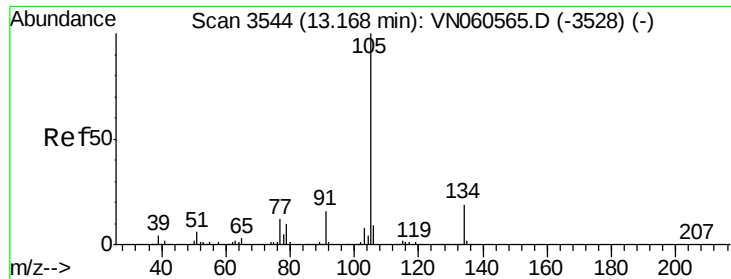
MMDadoda
 4/15/2020 1:50:02 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 47.349 ug/l m
 RT: 13.05 min Scan# 3507
 Delta R.T. 0.02 min
 Lab File: VN060930.D
 Acq: 14 Apr 2020 13:59

Tgt Ion	Ratio	Lower	Upper
105	100		
120	1.2	22.1	66.5#





#85

sec-Butylbenzene

Concen: 1.245 ug/l

RT: 13.17 min Scan# 3543

Delta R.T. -0.00 min

Lab File: VN060930.D

Acq: 14 Apr 2020 13:59

Instrument :

MSVOA_N

ClientSampleId :

FUEL-LANE-SEDIMENT-PIT

Tot Ion:105 Resp: 9979

Ion Ratio Lower Upper

105 100

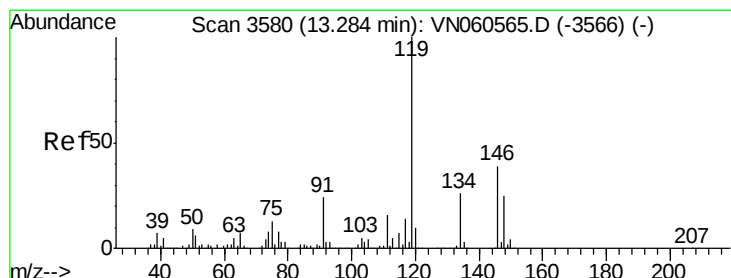
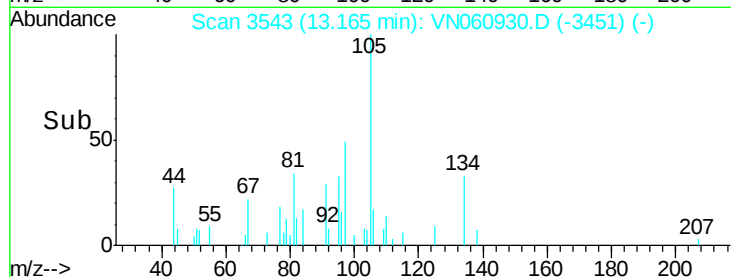
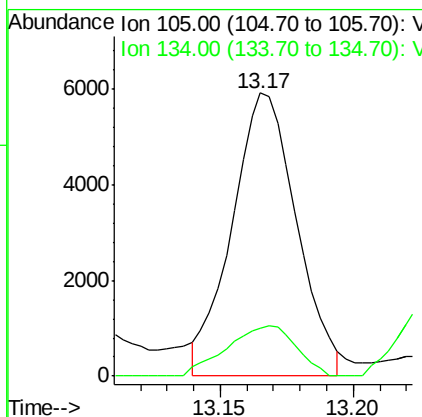
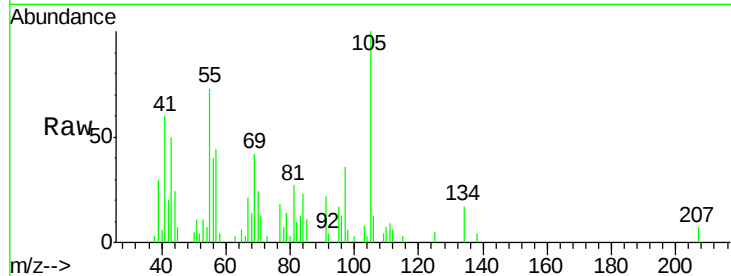
134 0.0 9.6 28.8#

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4/15/2020 1:50:02 PM



#86

p-Isopropyltoluene

Concen: 1.987 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN060930.D

Acq: 14 Apr 2020 13:59

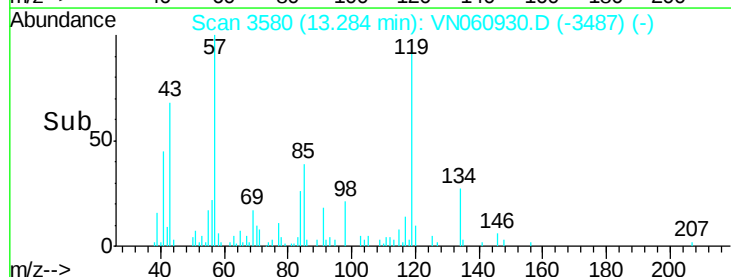
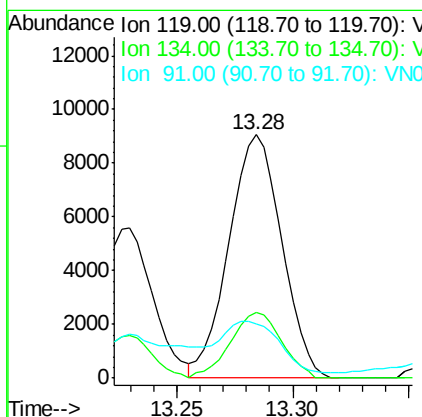
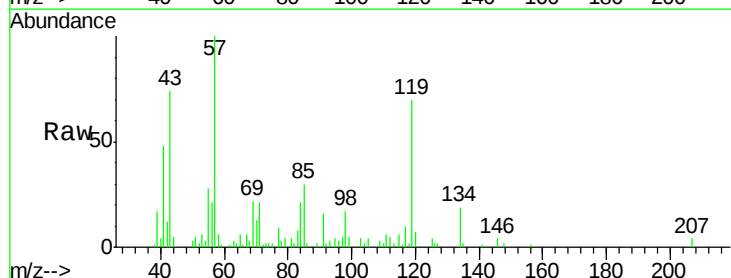
Tgt Ion:119 Resp: 14316

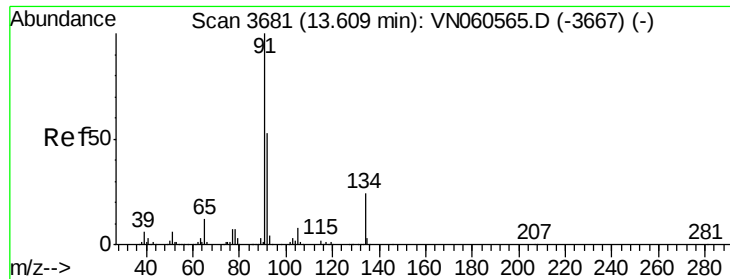
Ion Ratio Lower Upper

119 100

134 26.1 13.0 39.0

91 23.5 12.0 36.0





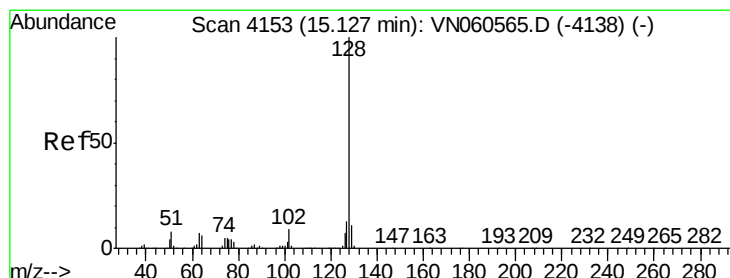
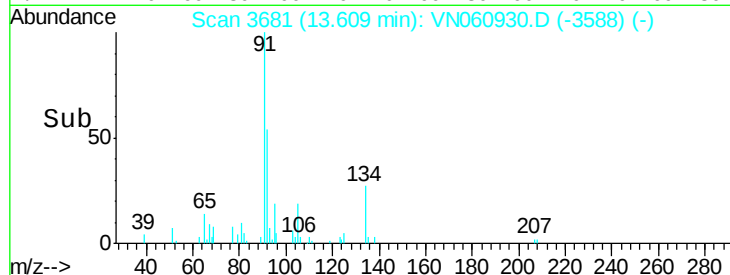
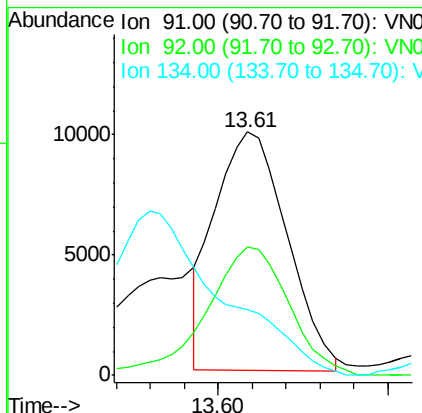
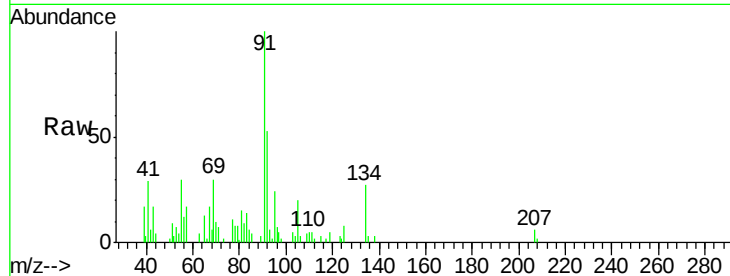
#89
n-Butylbenzene
Concen: 2.257 ug/l m
RT: 13.61 min Scan# 3681
Delta R.T. -0.00 min
Lab File: VN060930.D
Acq: 14 Apr 2020 13:59

Instrument :
MSVOA_N
ClientSampleId :
FUEL-LANE-SEDIMENT-PIT

Tot Ion	Ratio	Lower	Upper
91	100		
92	62.2	26.2	78.5
134	0.0	12.3	36.9#

Manual Integrations
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4/15/2020 1:50:02 PM



#95
Naphthalene
Concen: 4.350 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN060930.D
Acq: 14 Apr 2020 13:59

Tgt Ion	Ratio	Lower	Upper
128	100		
127	19.9	10.2	15.2#
129	14.5	8.8	13.2#

