

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN112918\
 Data File : VN052555.D
 Acq On : 29 Nov 2018 10:52
 Operator : MD\SY
 Sample : J6064-01DL 400X
 Misc : 4.96g/5mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 5 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 OILY-SOILDL

Manual Integrations
 APPROVED

MMDadoda
 11/30/2018 11:11:49 AM

Quant Time: Nov 30 01:03:29 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112718W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 28 01:11:38 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1348068	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2033562	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1743189	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	676814	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	673602	45.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.78%	
35) Dibromofluoromethane	7.59	113	611238	48.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.52%	
50) Toluene-d8	10.09	98	2484278	50.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.82%	
62) 4-Bromofluorobenzene	12.40	95	764765	46.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.28%	
Target Compounds						
					Qvalue	
31) Cyclohexane	7.65	56	234701	8.990	ug/l #	95
39) Methylcyclohexane	9.08	83	523599	22.433	ug/l	99
40) Benzene	8.04	78	205254	3.586	ug/l	100
52) Toluene	10.16	92	1344601	39.544	ug/l	99
67) Ethyl Benzene	11.51	91	843158	13.395	ug/l	100
68) m/p-Xylenes	11.62	106	1968049	83.987	ug/l	100
69) o-Xylene	11.95	106	768582	33.776	ug/l	100
73) Isopropylbenzene	12.25	105	94108	1.772	ug/l	99
78) n-propylbenzene	12.59	91	398679	6.609	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	779902	18.416	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	2710808	63.872	ug/l	100
85) sec-Butylbenzene	13.17	105	51810m	1.008	ug/l	
86) p-Isopropyltoluene	13.29	119	29122m	0.665	ug/l	
89) n-Butylbenzene	13.62	91	95417	2.620	ug/l #	66
95) Naphthalene	15.13	128	317183	15.022	ug/l	99

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

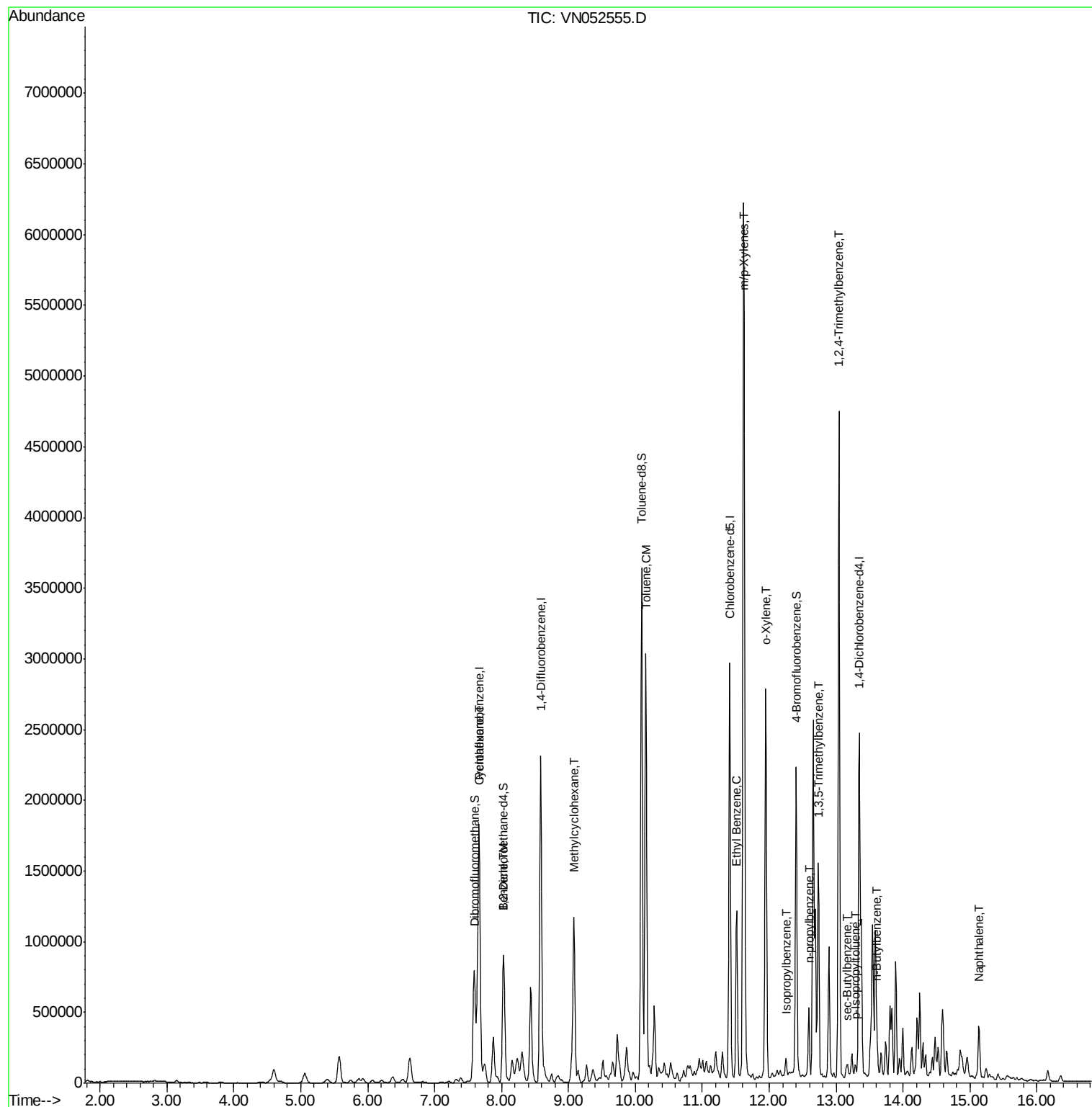
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN112918\
Data File : VN052555.D
Acq On : 29 Nov 2018 10:52
Operator : MD\SY
Sample : J6064-01DL 400X
Misc : 4.96g/5mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 5 Sample Multiplier: 28

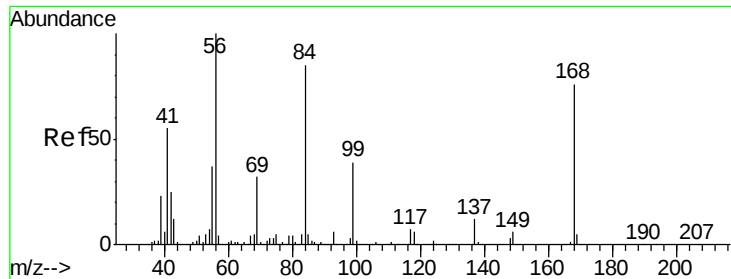
Instrument :
MSVOA_N
ClientSampleId :
OILY-SOILD

Manual Integrations
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Quant Time: Nov 30 01:03:29 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N112718W.M
Quant Title : SW846 8260
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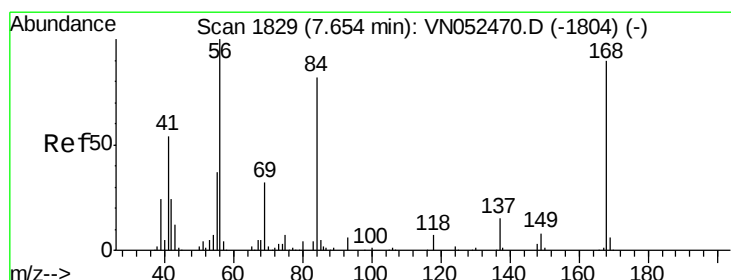
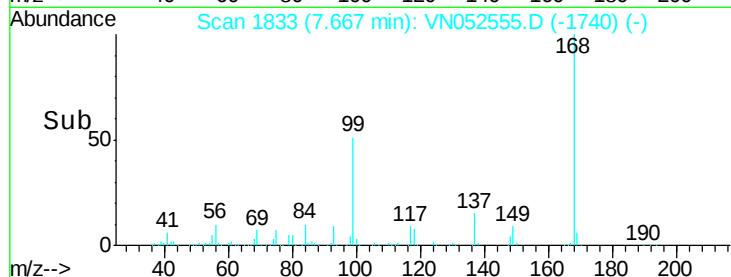
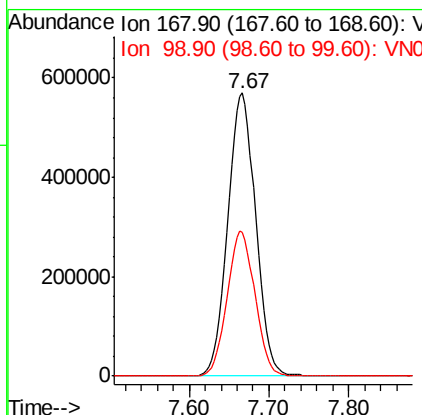
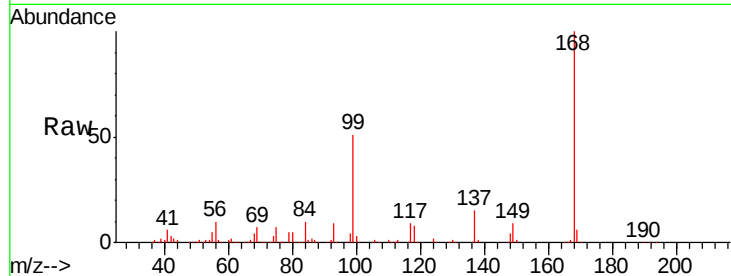
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. 0.00 min
Lab File: VN052555.D
Acq: 29 Nov 2018 10:52

Instrument :
MSVOA_N
ClientSampleId :
OILY-SOILD

Tgt Ion: 168 Resp: 1348068
Ion Ratio Lower Upper
168 100
99 50.6 41.7 62.5

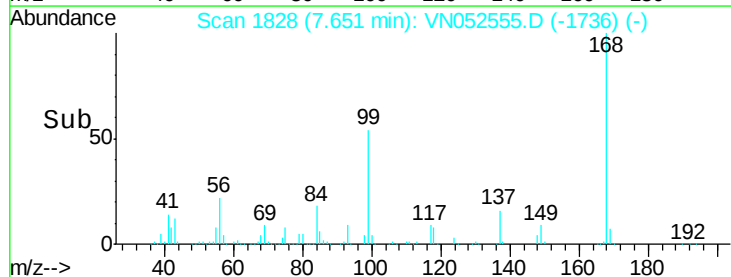
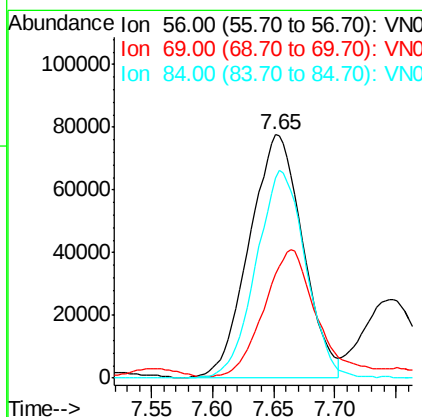
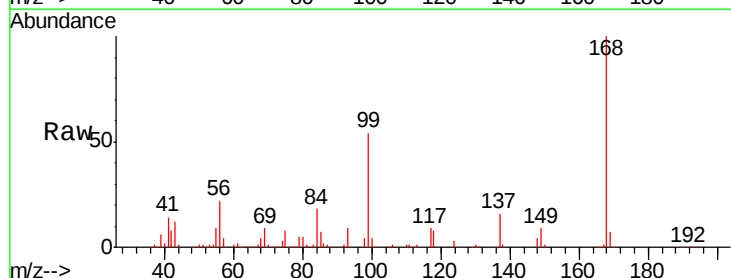
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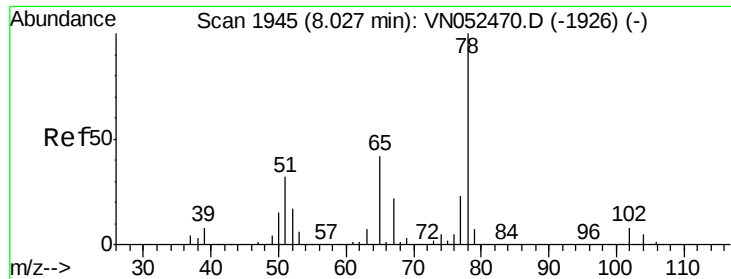
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#31
Cyclohexane
Concen: 8.990 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. -0.00 min
Lab File: VN052555.D
Acq: 29 Nov 2018 10:52

Tgt Ion: 56 Resp: 234701
Ion Ratio Lower Upper
56 100
69 41.2 25.8 38.6#
84 82.6 65.3 97.9





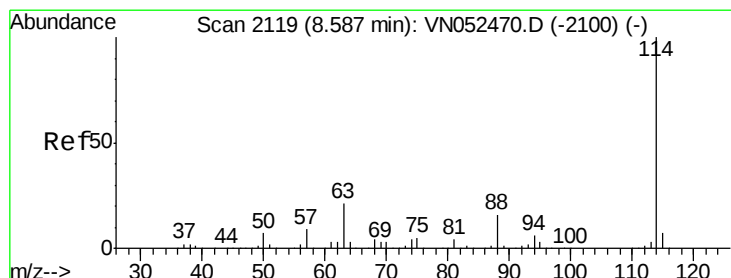
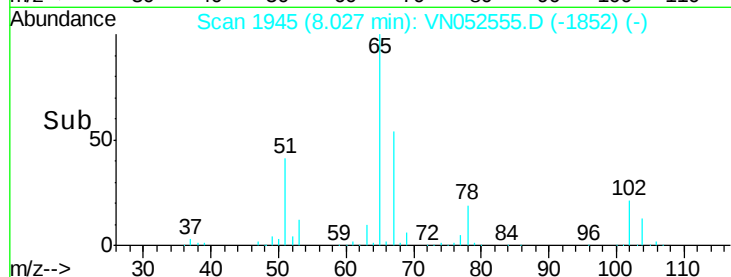
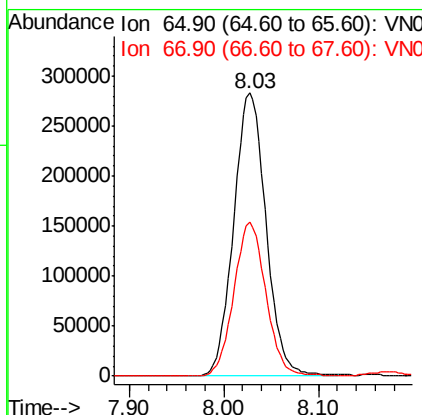
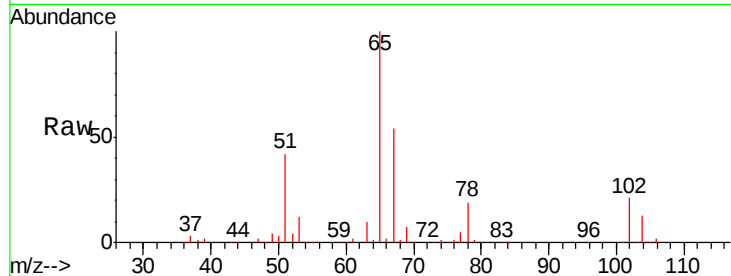
#33
 1,2-Dichloroethane-d4
 Concen: Below ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN052555.D
 Acq: 29 Nov 2018 10:52

Instrument :
 MSVOA_N
 ClientSampleId :
 OILY-SOILDL

Tgt Ion: 65 Resp: 673602
 Ion Ratio Lower Upper
 65 100
 67 53.6 0.0 109.8

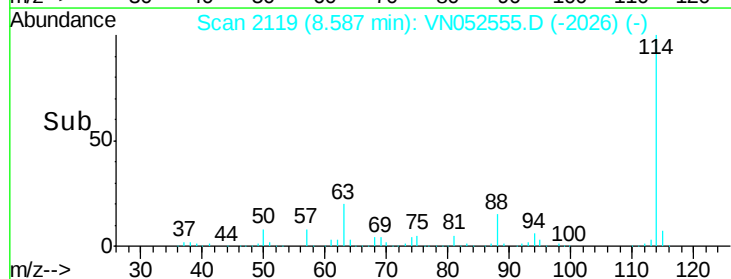
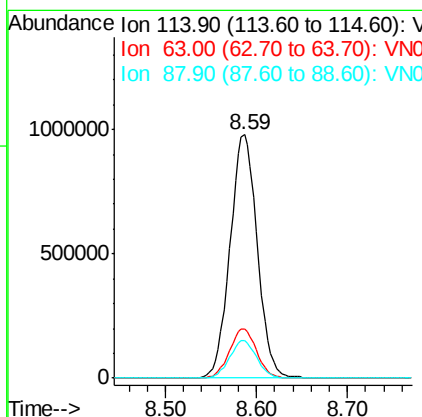
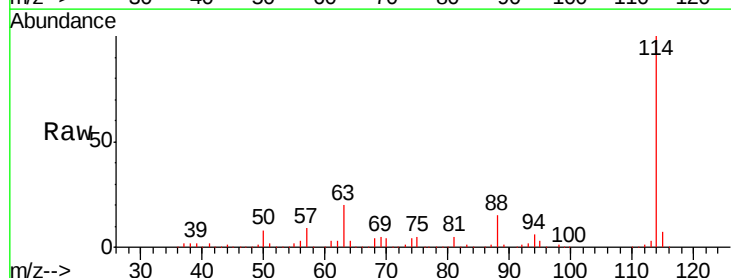
Manual Integrations
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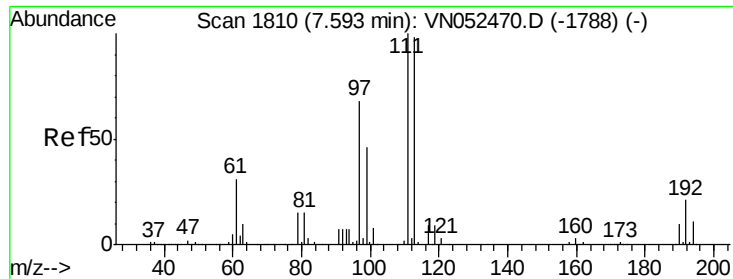
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN052555.D
 Acq: 29 Nov 2018 10:52

Tgt Ion: 114 Resp: 2033562
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 41.8
 88 15.3 0.0 31.6





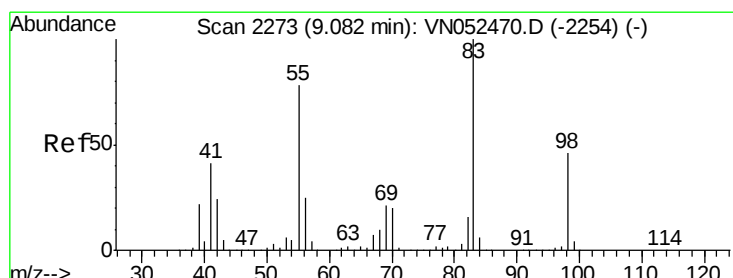
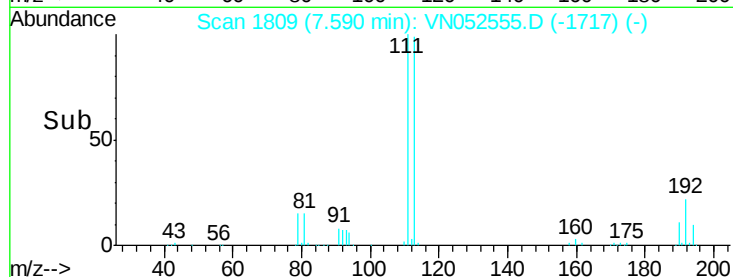
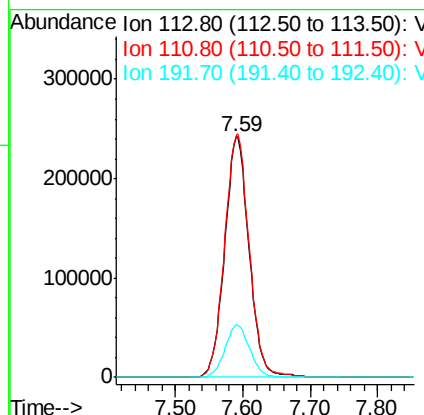
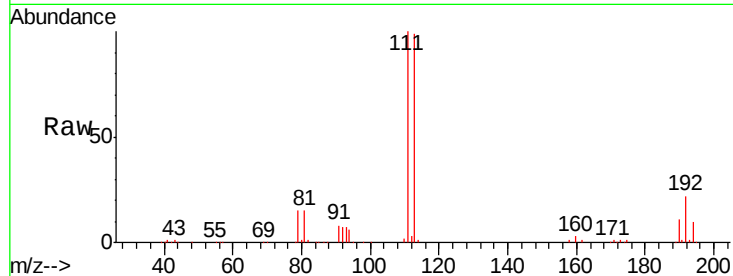
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. -0.00 min
Lab File: VN052555.D
Acq: 29 Nov 2018 10:52

Instrument :
MSVOA_N
ClientSampleId :
OILY-SOILD

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	611238		
111	102.4	82.0	123.0	
192	22.0	17.0	25.6	

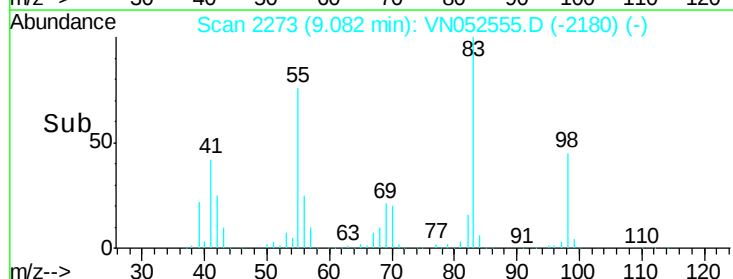
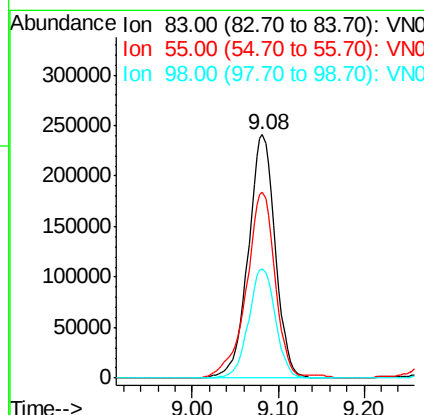
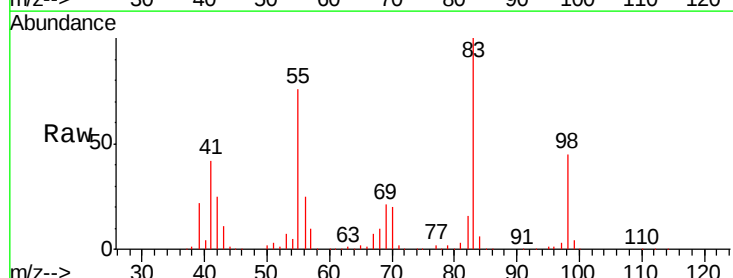
Manual Integrations
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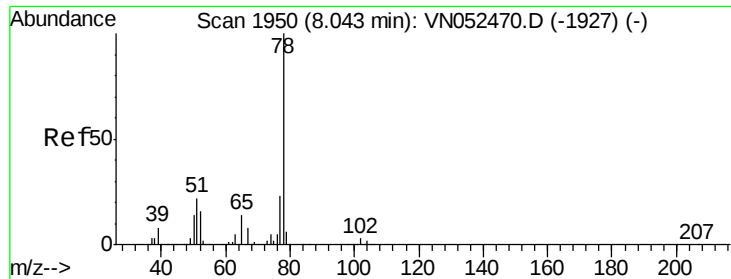
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#39
Methylcyclohexane
Concen: 22.433 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN052555.D
Acq: 29 Nov 2018 10:52

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	523599		
55	76.5	62.2	93.2	
98	44.9	36.4	54.6	





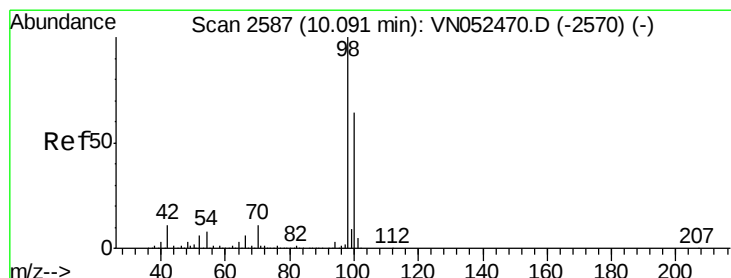
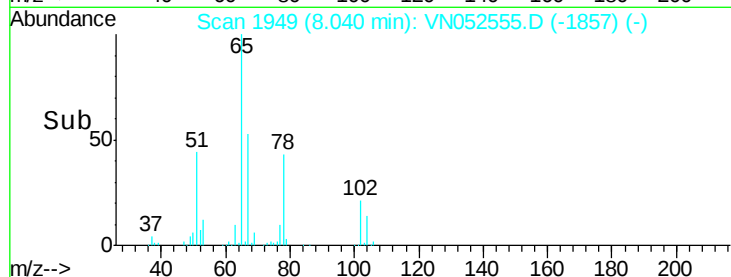
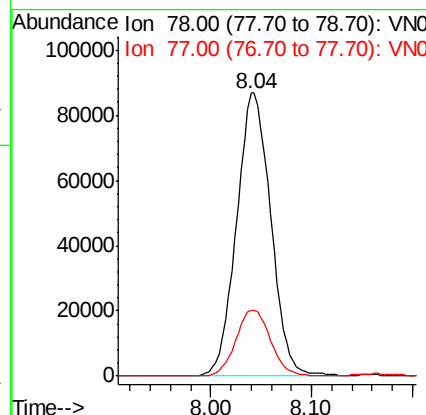
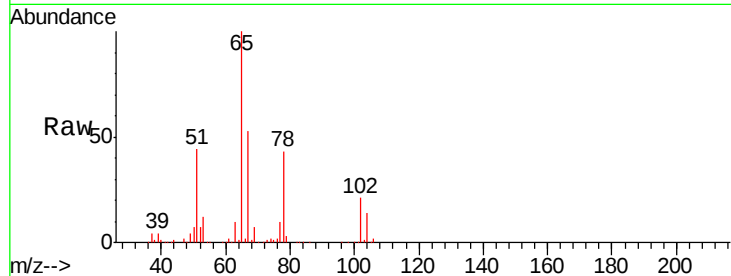
#40
Benzene
Concen: 3.586 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN052555.D
Acq: 29 Nov 2018 10:52

Instrument :
MSVOA_N
ClientSampled :
OILY-SOILDL

Tgt Ion: 78 Resp: 205254
Ion Ratio Lower Upper
78 100
77 23.4 18.8 28.2

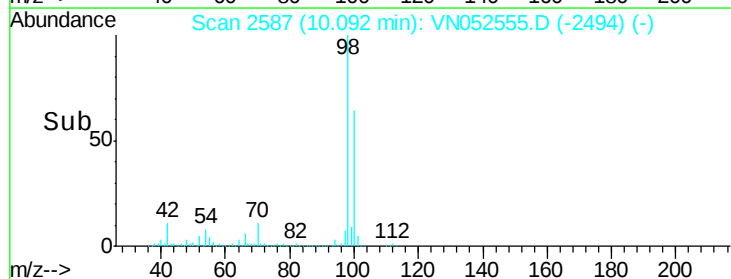
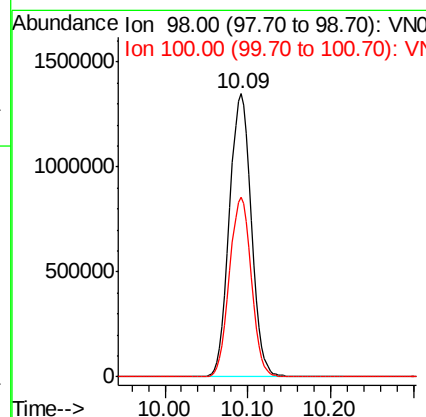
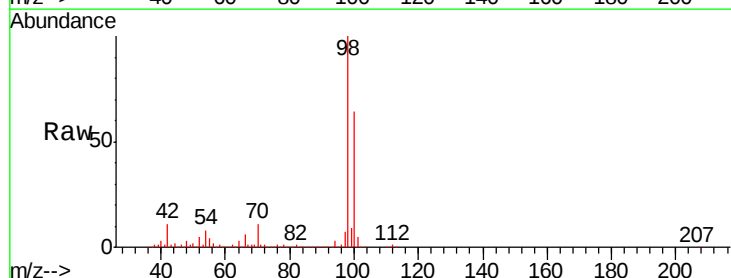
Manual Integrations
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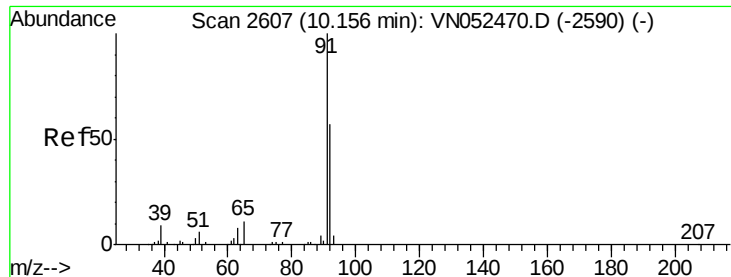
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#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN052555.D
Acq: 29 Nov 2018 10:52

Tgt Ion: 98 Resp: 2484278
Ion Ratio Lower Upper
98 100
100 63.3 51.3 76.9





#52

Toluene

Concen: 39.544 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN052555.D

Acq: 29 Nov 2018 10:52

Instrument :

MSVOA_N

ClientSampled :

OILY-SOILDL

Tgt Ion: 92 Resp: 1344601

Ion Ratio Lower Upper

92 100

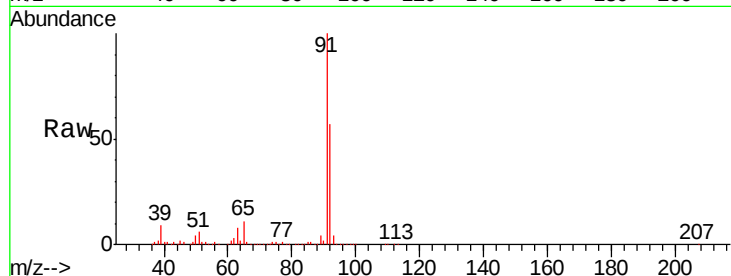
91 174.3 141.0 211.4

Manual Integrations

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Abundance Ion 92.00 (91.70 to 92.70): VN052470.D (-2590) (-)

Ion 91.00 (90.70 to 91.70): VN052470.D (-2590) (-)

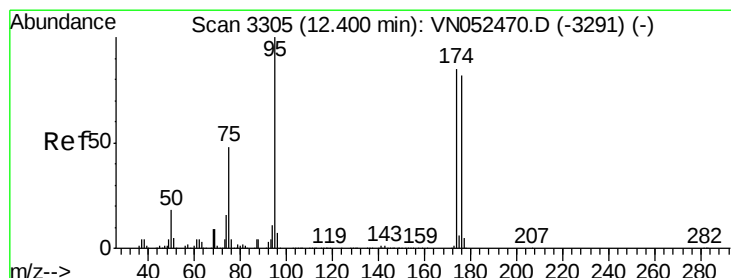
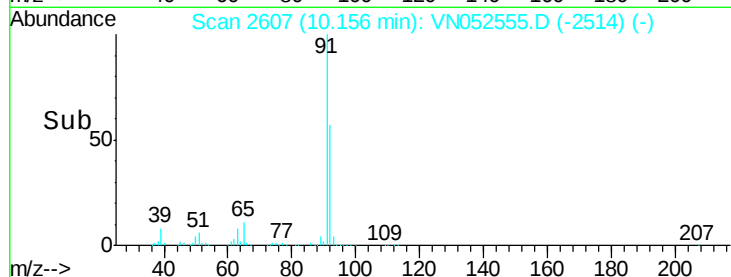
1500000

1000000

500000

0

10.00 10.10 10.20 10.30



#62

4-Bromofluorobenzene

Concen: Below ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN052555.D

Acq: 29 Nov 2018 10:52

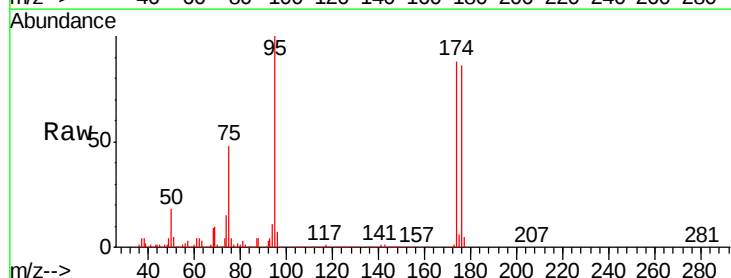
Tgt Ion: 95 Resp: 764765

Ion Ratio Lower Upper

95 100

174 88.0 0.0 173.0

176 86.1 0.0 166.2



Abundance Ion 94.90 (94.60 to 95.60): VN052470.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN052470.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN052470.D (-3291) (-)

600000

500000

400000

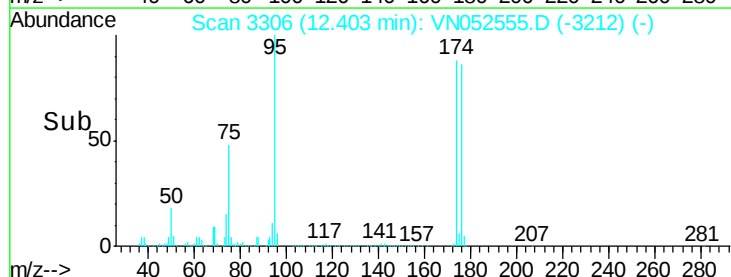
300000

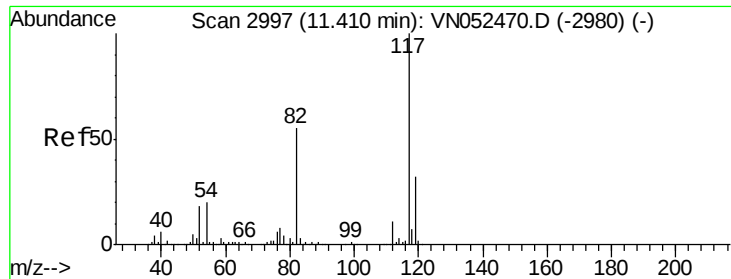
200000

100000

0

12.35 12.40 12.45





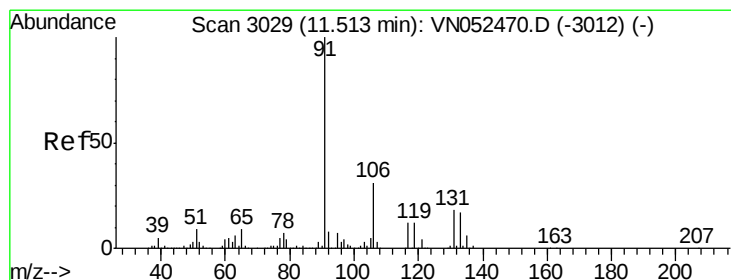
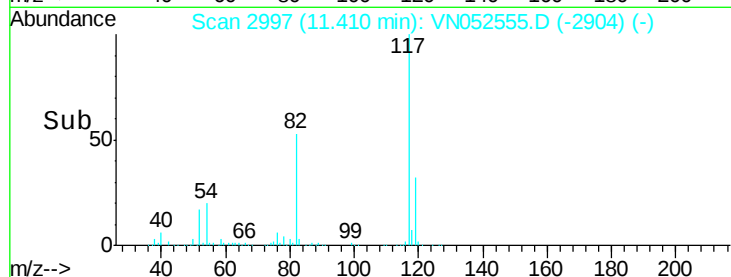
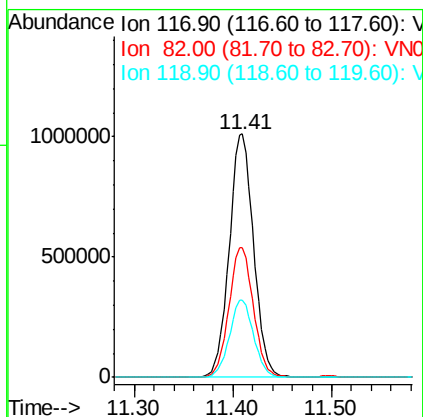
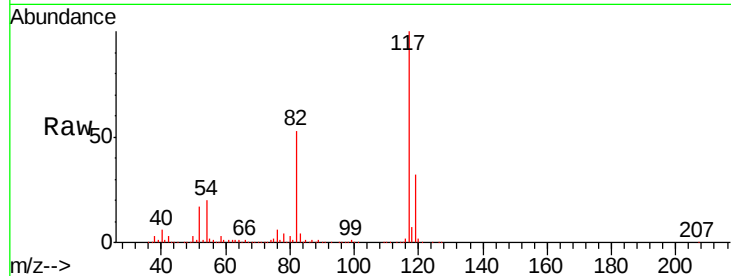
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN052555.D
Acq: 29 Nov 2018 10:52

Instrument :
MSVOA_N
ClientSampleId :
OILY-SOILDL

Tgt Ion: 117 Resp: 1743189
Ion Ratio Lower Upper
117 100
82 53.1 43.6 65.4
119 31.8 25.4 38.2

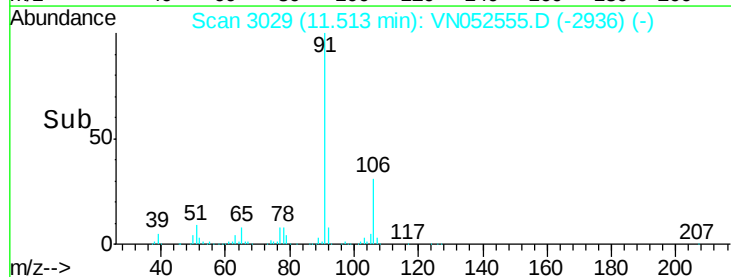
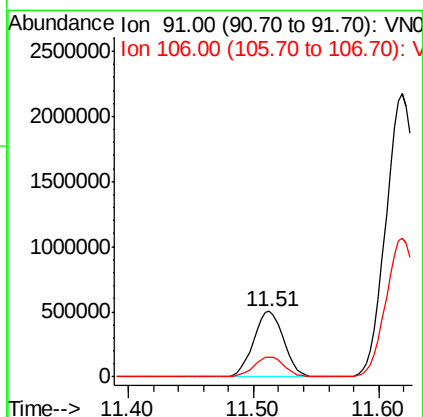
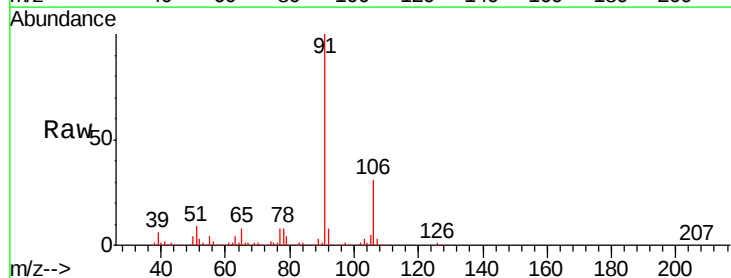
Manual Integrations
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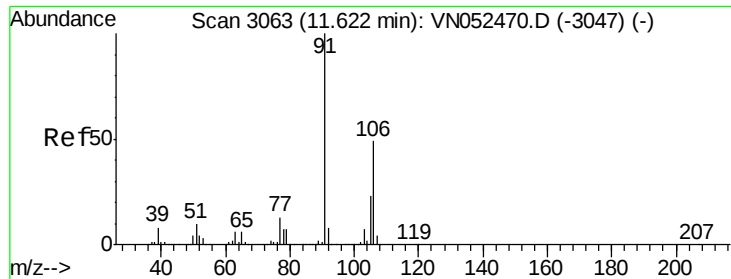
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11/30/2018 11:11:49 AM



#67
Ethyl Benzene
Concen: 13.395 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN052555.D
Acq: 29 Nov 2018 10:52

Tgt Ion: 91 Resp: 843158
Ion Ratio Lower Upper
91 100
106 30.9 24.9 37.3





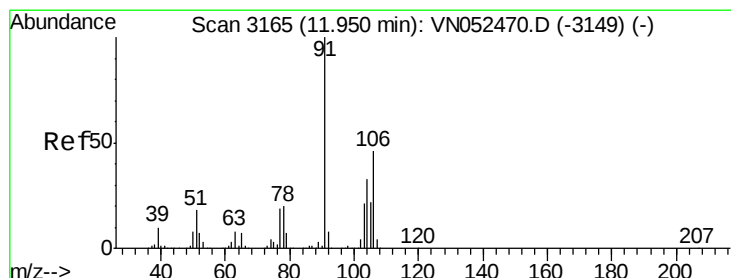
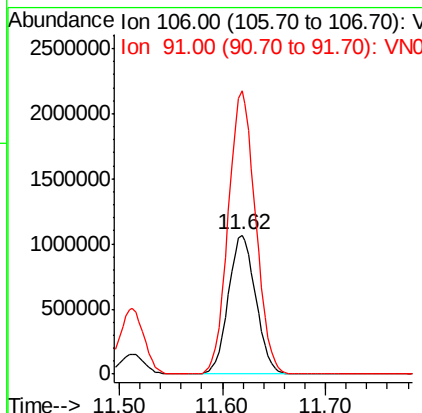
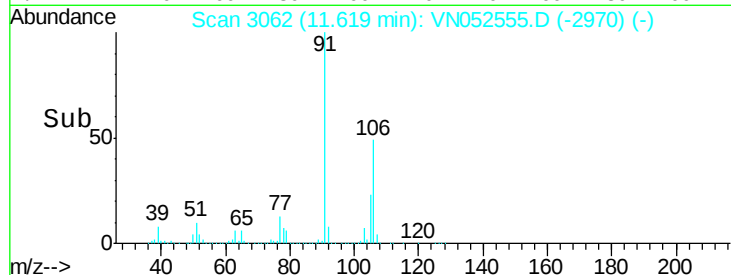
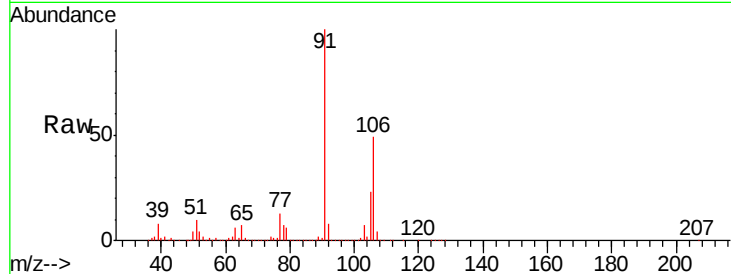
#68
m/p-Xylenes
Concen: 83.987 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN052555.D
Acq: 29 Nov 2018 10:52

Instrument :
MSVOA_N
ClientSampleId :
OILY-SOILDL

Tgt Ion:106 Resp: 1968049
Ion Ratio Lower Upper
106 100
91 203.6 163.2 244.8

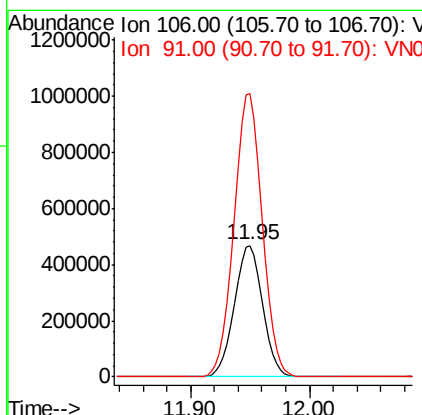
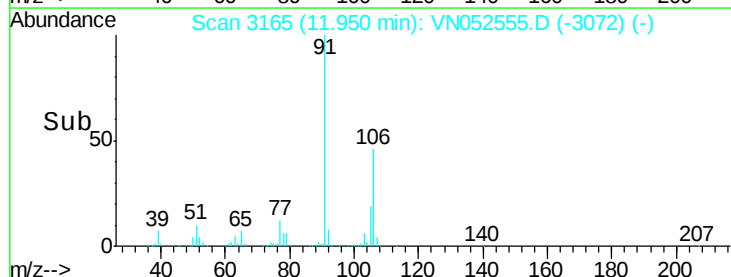
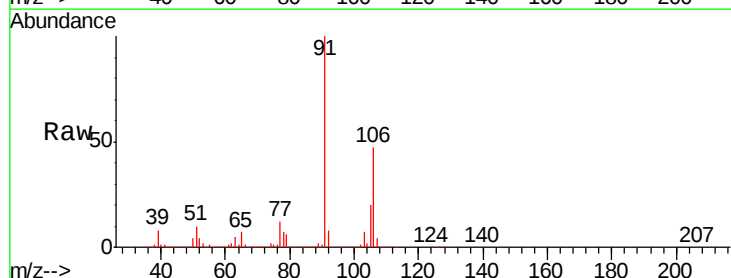
Manual Integrations
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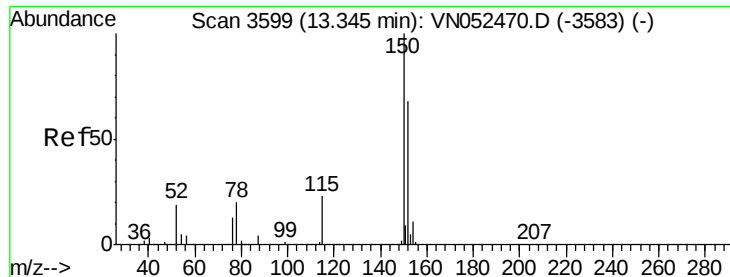
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#69
o-Xylene
Concen: 33.776 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN052555.D
Acq: 29 Nov 2018 10:52

Tgt Ion:106 Resp: 768582
Ion Ratio Lower Upper
106 100
91 215.9 107.7 323.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN052555.D

Acq: 29 Nov 2018 10:52

Instrument :

MSVOA_N

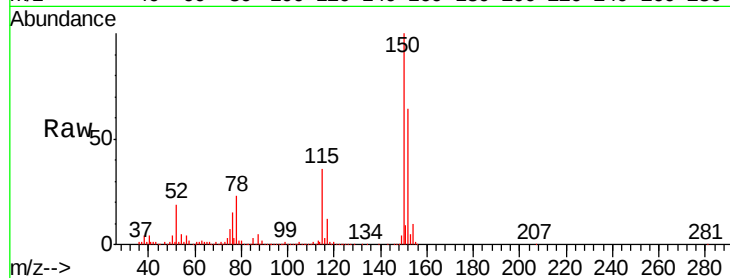
ClientSampleId :

OILY-SOILDL

Tgt	Ion	Resp	Lower	Upper
152	100			
115	59.6	28.4	85.2	
150	156.2	0.0	346.0	

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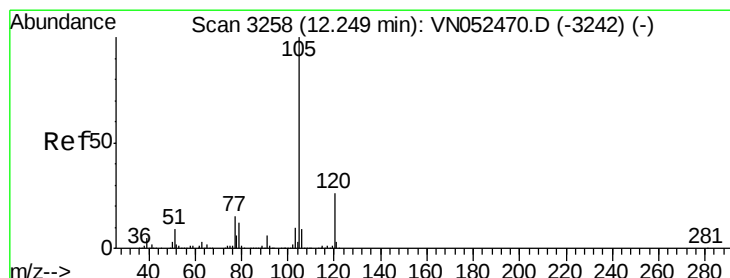
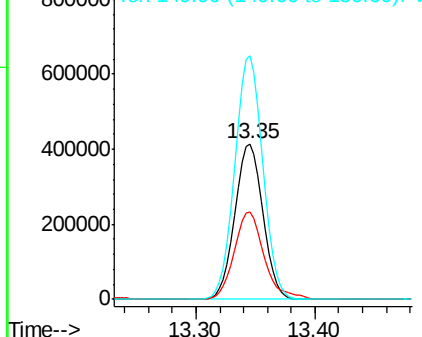
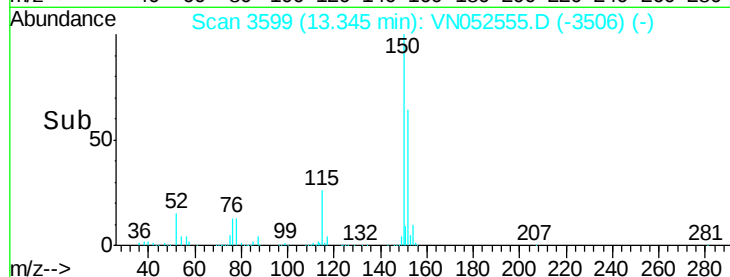
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Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 1.772 ug/l

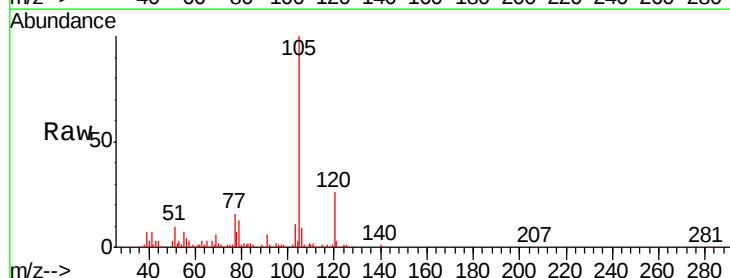
RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN052555.D

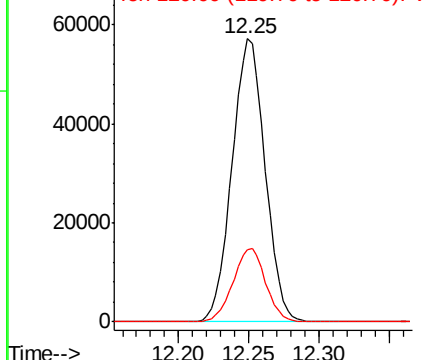
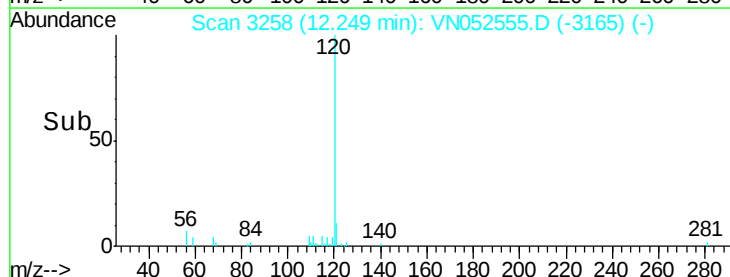
Acq: 29 Nov 2018 10:52

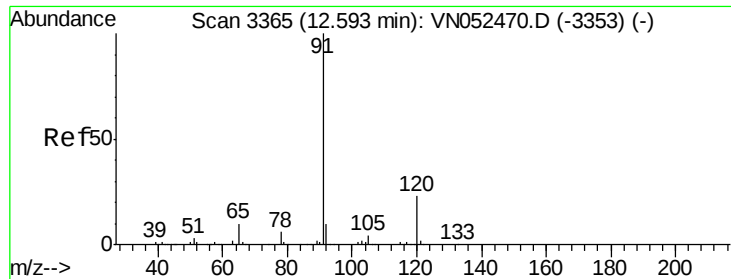
Tgt	Ion	Resp	Lower	Upper
105	100			
120	25.4	13.1	39.3	



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 6.609 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN052555.D

Acq: 29 Nov 2018 10:52

Instrument :

MSVOA_N

ClientSampleId :

OILY-SOILDL

Tgt Ion: 91 Resp: 398679

Ion Ratio Lower Upper

91 100

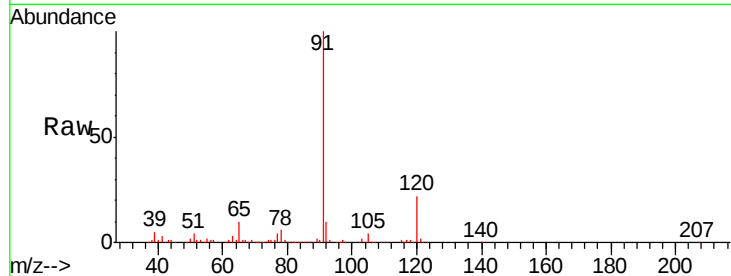
120 22.5 11.3 33.9

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Abundance Ion 91.00 (90.70 to 91.70): VN052470.D (-3353) (-)

Ion 120.00 (119.70 to 120.70): VN052470.D (-3353) (-)

300000

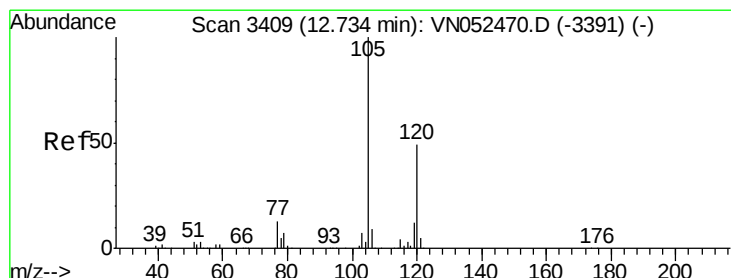
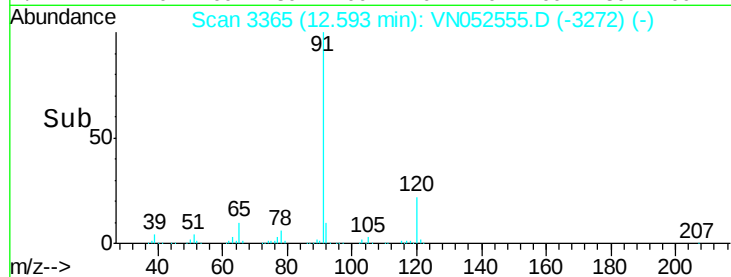
200000

100000

0

12.55 12.60 12.65

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 18.416 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN052555.D

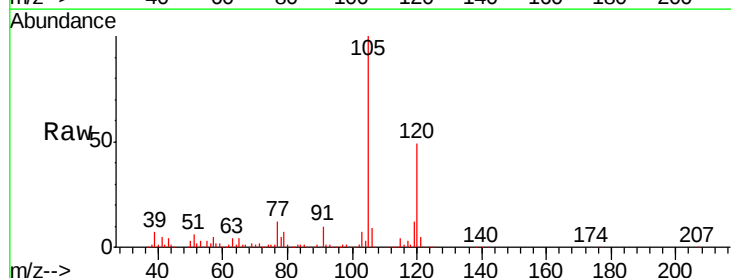
Acq: 29 Nov 2018 10:52

Tgt Ion: 105 Resp: 779902

Ion Ratio Lower Upper

105 100

120 50.1 24.3 73.0



Abundance Ion 105.00 (104.70 to 105.70): VN052470.D (-3391) (-)

Ion 120.00 (119.70 to 120.70): VN052470.D (-3391) (-)

800000

600000

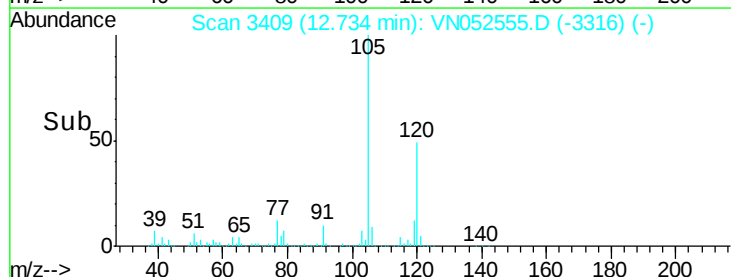
400000

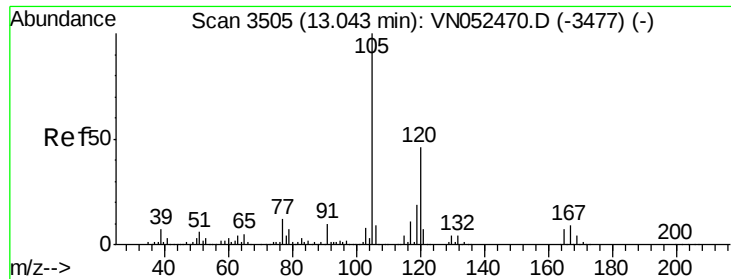
200000

0

12.70 12.75 12.80

Time-->





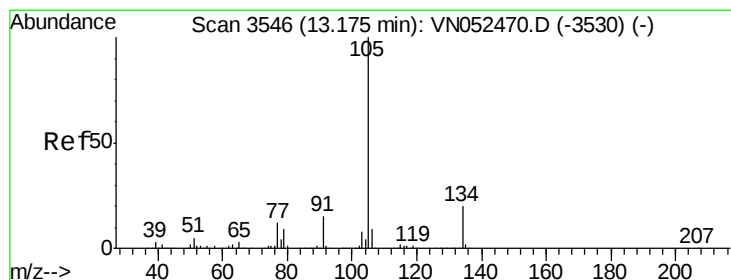
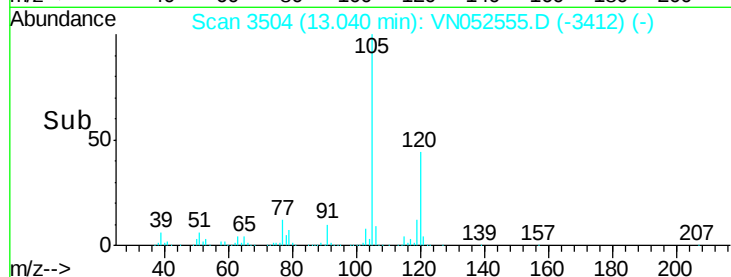
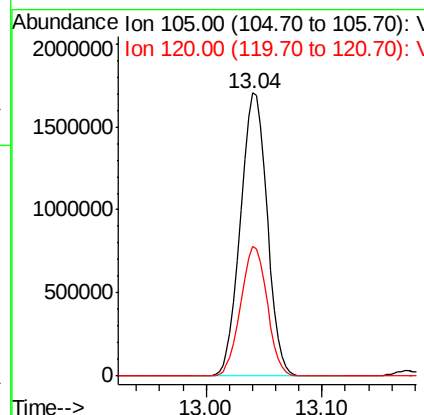
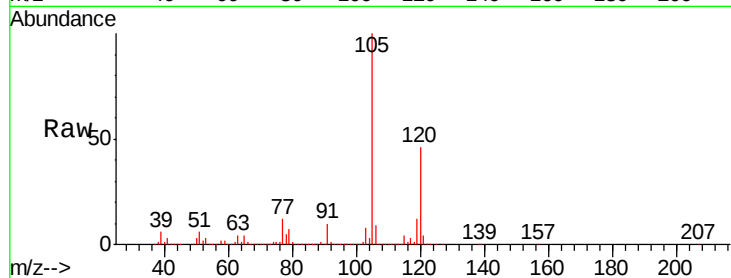
#84
 1,2,4-Trimethylbenzene
 Concen: 63.872 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN052555.D
 Acq: 29 Nov 2018 10:52

Instrument :
 MSVOA_N
 ClientSampleId :
 OILY-SOILDL

Tgt Ion:105 Resp: 2710808
 Ion Ratio Lower Upper
 105 100
 120 45.5 22.8 68.4

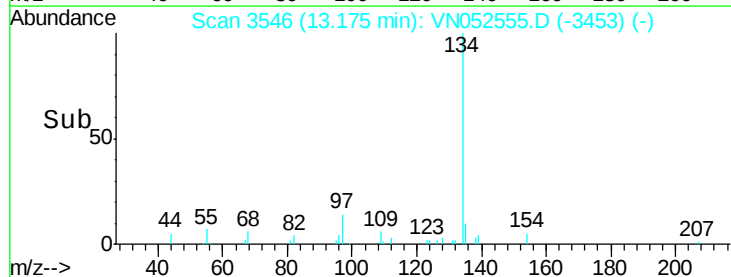
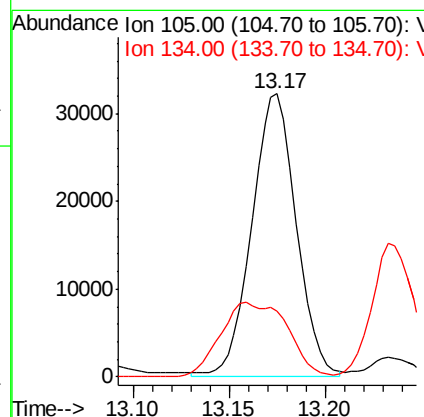
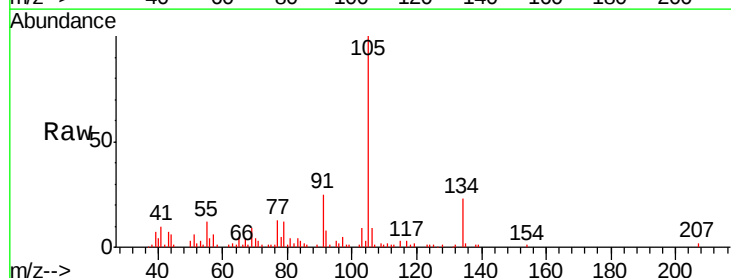
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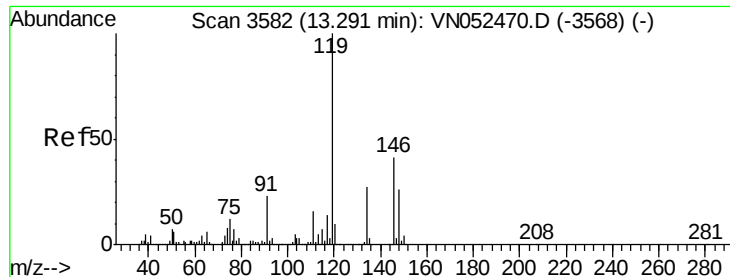
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#85
 sec-Butylbenzene
 Concen: 1.008 ug/l m
 RT: 13.17 min Scan# 3546
 Delta R.T. 0.00 min
 Lab File: VN052555.D
 Acq: 29 Nov 2018 10:52

Tgt Ion:105 Resp: 51810
 Ion Ratio Lower Upper
 105 100
 134 0.0 9.9 29.7#





#86

p-Isopropyltoluene

Concen: 0.665 ug/l m

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN052555.D

Acq: 29 Nov 2018 10:52

Instrument :

MSVOA_N

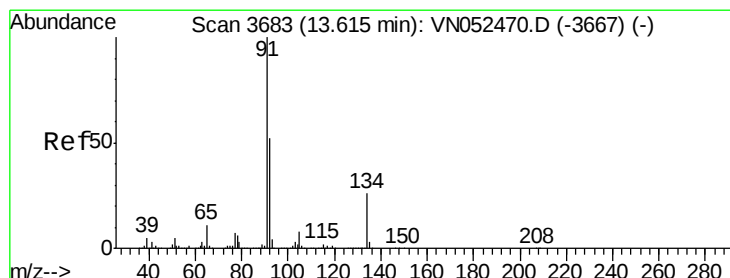
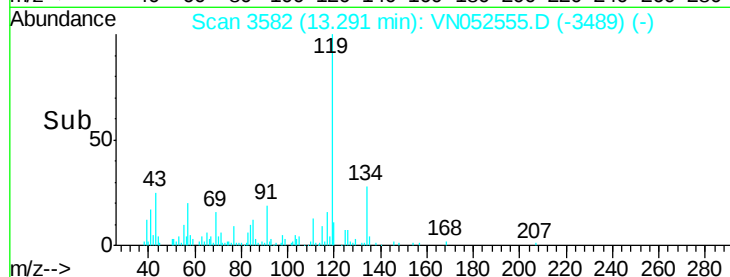
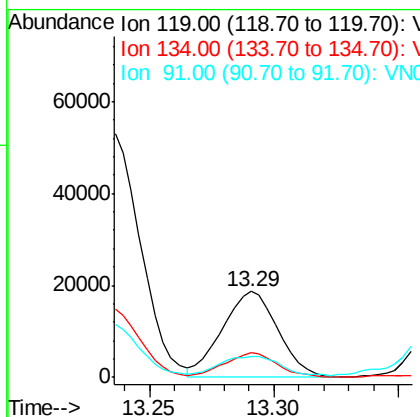
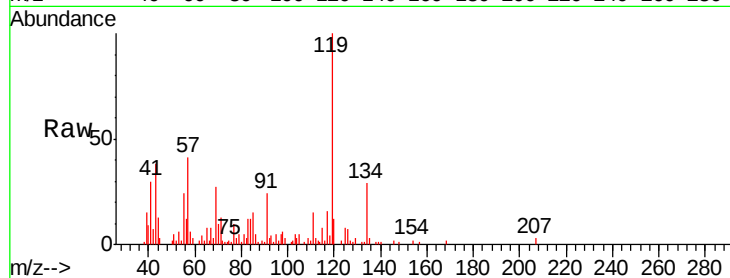
ClientSampleId :

OILY-SOILDL

Tgt Ion:	119	Resp:	29122
Ion Ratio	Lower	Upper	
119	100		
134	78.9	13.4	40.2#
91	59.7	11.4	34.2#

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#89

n-Butylbenzene

Concen: 2.620 ug/l

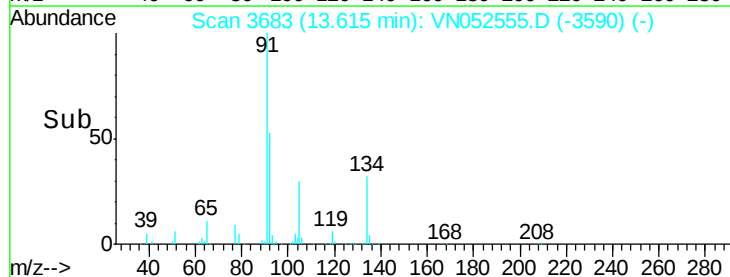
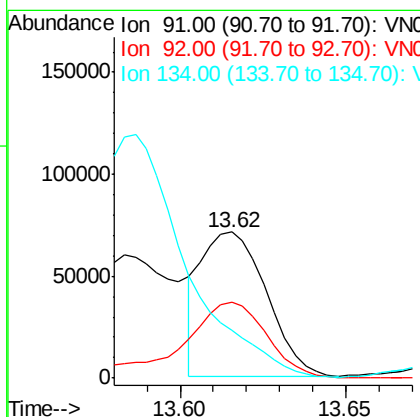
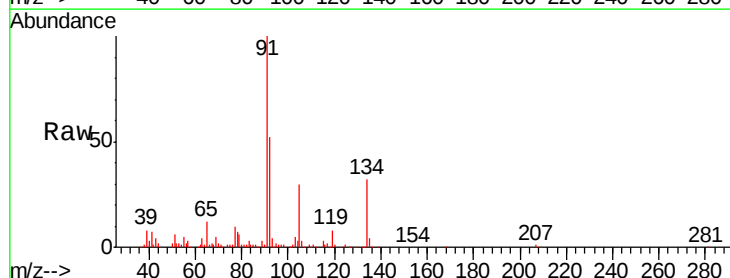
RT: 13.62 min Scan# 3683

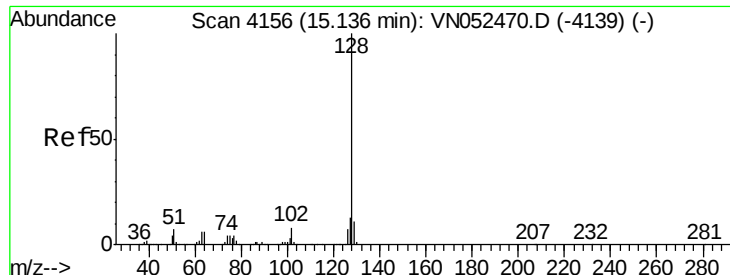
Delta R.T. 0.00 min

Lab File: VN052555.D

Acq: 29 Nov 2018 10:52

Tgt Ion:	91	Resp:	95417
Ion Ratio	Lower	Upper	
91	100		
92	70.0	26.1	78.3
134	0.0	13.0	38.9#





#95
Naphthalene
Concen: 15.022 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN052555.D
Acq: 29 Nov 2018 10:52

Instrument :
MSVOA_N
ClientSampleId :
OILY-SOILDL

Tgt Ion	Ratio	Resp Lower	Resp Upper
128	100		
127	12.7	10.2	15.2
129	10.4	8.7	13.1

Manual Integrations
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