

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN031419\
 Data File : VN054288.D
 Acq On : 15 Mar 2019 4:06
 Operator : JC/SP
 Sample : K1895-02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 OILY-SOIL

Manual Integrations
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 3/15/2019 10:14:33 AM

Quant Time: Mar 15 07:48:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031219W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 13 03:33:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1302792	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2174724	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	2312918	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	989052	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	708816	51.23	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.46%	
35) Dibromofluoromethane	7.59	113	665840	47.47	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.94%	
50) Toluene-d8	10.09	98	2707477	52.27	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.54%	
62) 4-Bromofluorobenzene	12.40	95	1030272	56.84	ug/l	0.00
Spiked Amount 50.000			Recovery	=	113.68%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.82	43	141951	35.833	ug/l	99
20) Methylene Chloride	4.55	84	559996	43.051	ug/l	98
39) Methylcyclohexane	9.08	83	25072	1.017	ug/l	98
43) Isopropyl Acetate	8.17	43	44965	2.226	ug/l	97
52) Toluene	10.16	92	117794	3.242	ug/l	100
64) Tetrachloroethene	10.63	164	16608	0.743	ug/l	96
67) Ethyl Benzene	11.51	91	156641	1.861	ug/l	99
68) m/p-Xylenes	11.62	106	172360	5.238	ug/l	98
69) o-Xylene	11.95	106	62247	1.941	ug/l	97
73) Isopropylbenzene	12.25	105	25679	0.325	ug/l	100
78) n-propylbenzene	12.59	91	80784	0.941	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	322359	4.898	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	599678	9.287	ug/l	100
95) Naphthalene	15.13	128	142443	6.525	ug/l	98

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

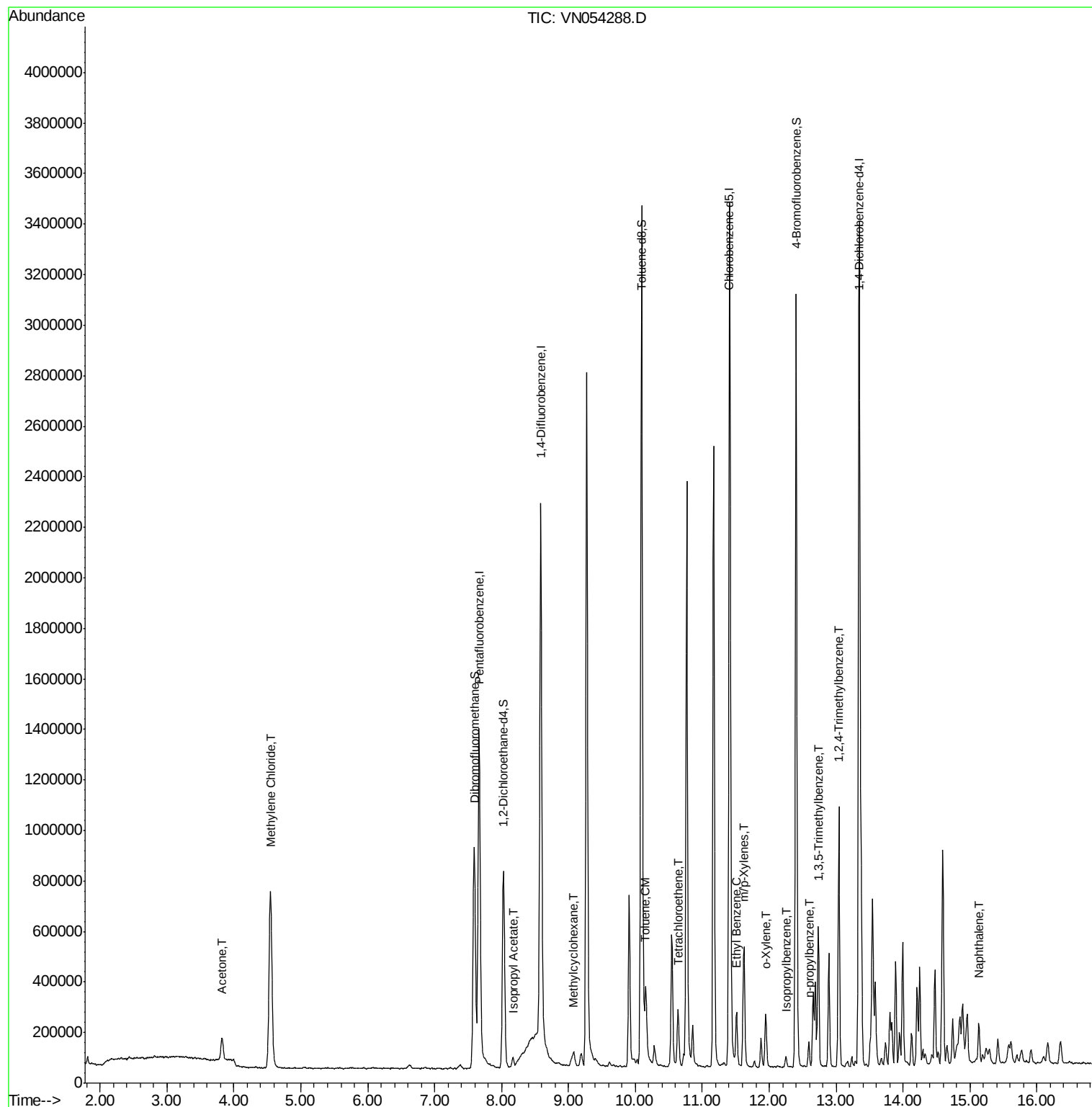
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Data File : VN054288.D
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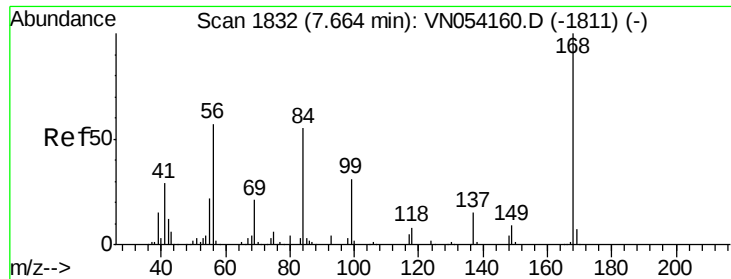
Instrument :
MSVOA_N
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OILY-SOIL

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Quant Time: Mar 15 07:48:17 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N031219W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 13 03:33:31 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN054288.D

Acq: 15 Mar 2019 4:06

Instrument :

MSVOA_N

ClientSampled :

OILY-SOIL

Tgt Ion:168 Resp: 1302792

Ion Ratio Lower Upper

168 100

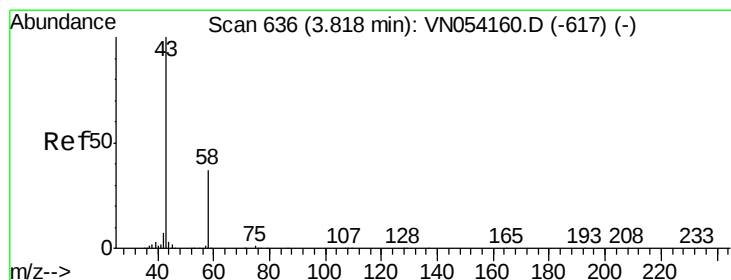
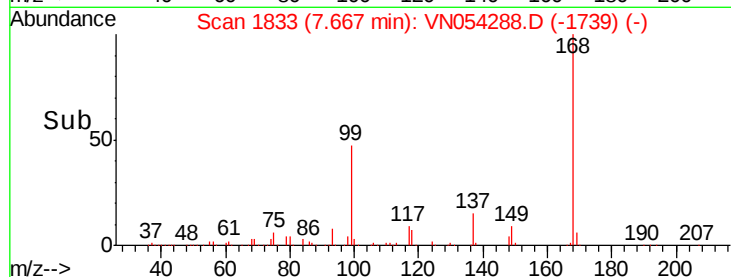
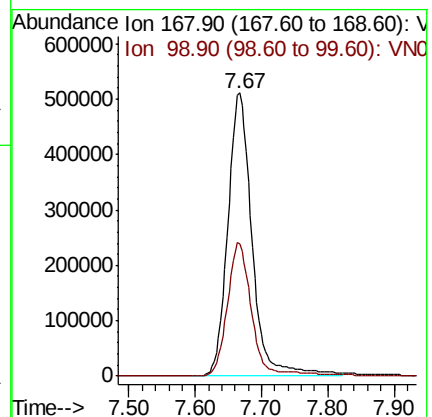
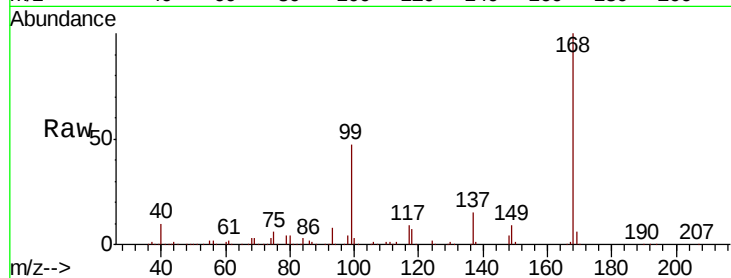
99 46.7 37.1 55.7

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#16

Acetone

Concen: 35.833 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN054288.D

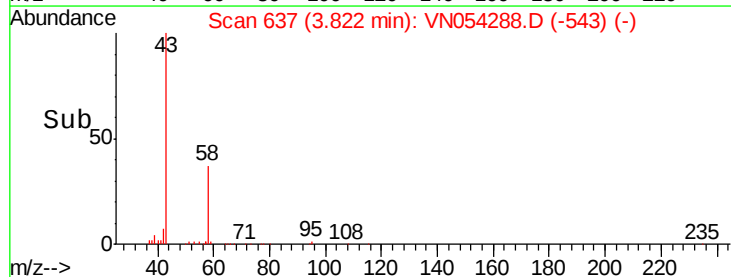
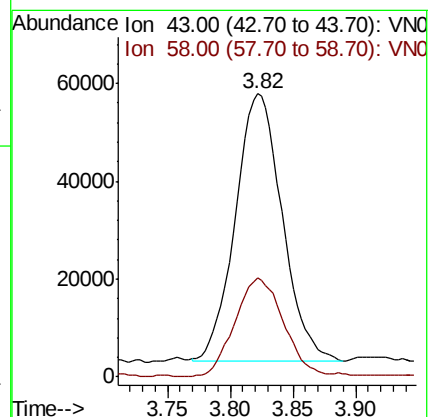
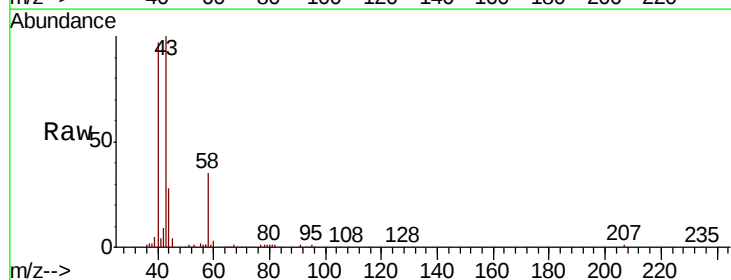
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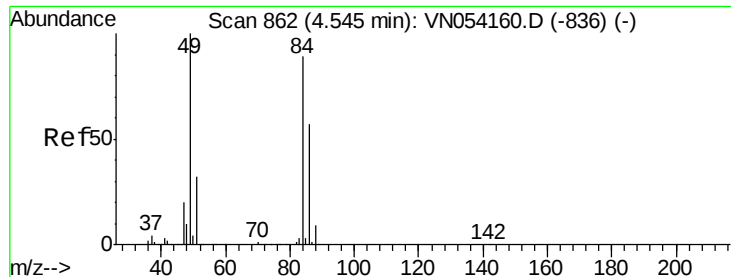
Tgt Ion: 43 Resp: 141951

Ion Ratio Lower Upper

43 100

58 37.1 29.9 44.9





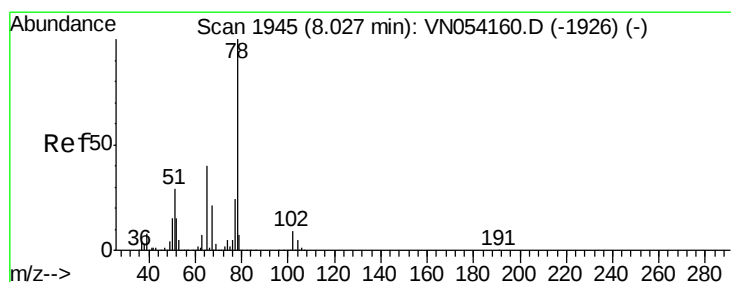
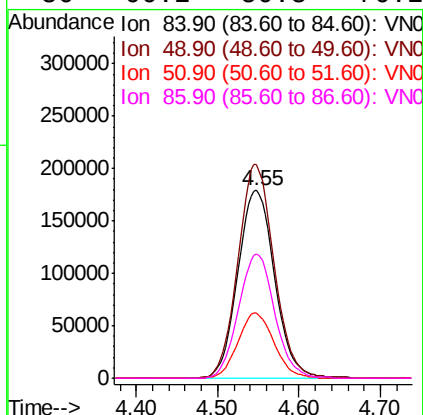
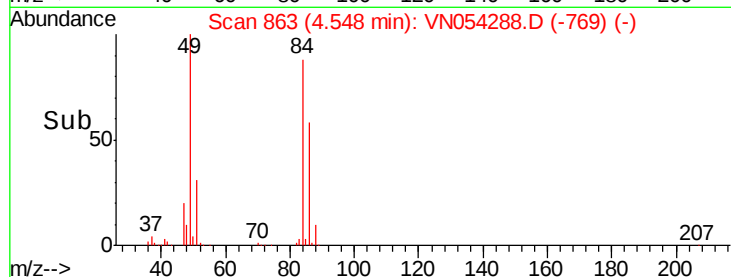
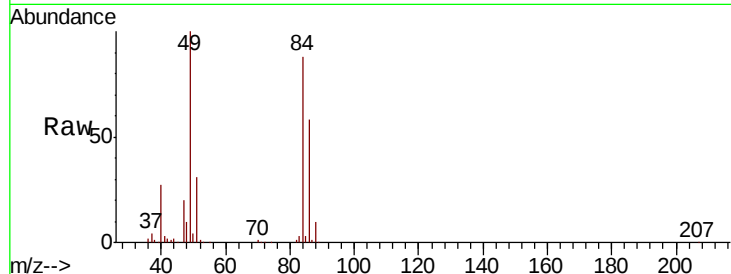
#20
Methylene Chloride
Concen: 43.051 ug/l
RT: 4.55 min Scan# 863
Delta R.T. 0.00 min
Lab File: VN054288.D
Acq: 15 Mar 2019 4:06

Instrument :
MSVOA_N
ClientSampleId :
OILY-SOIL

Tgt Ion	Ratio	Lower	Upper
84	100		
49	113.5	89.7	134.5
51	34.6	28.2	42.4
86	66.2	50.8	76.2

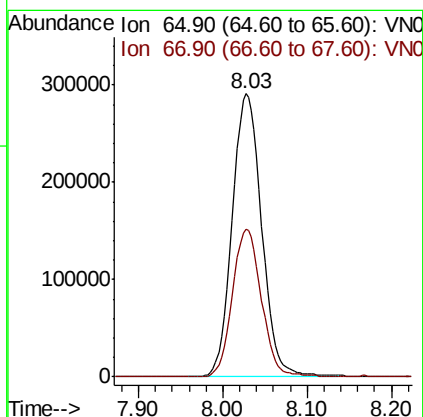
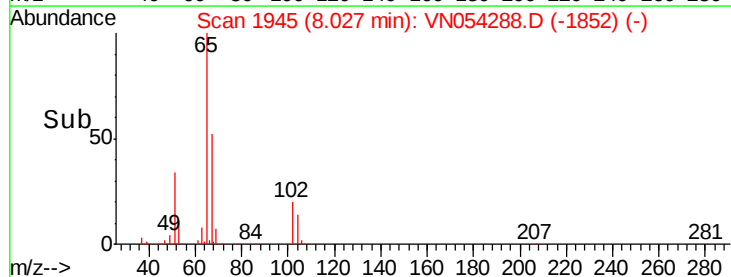
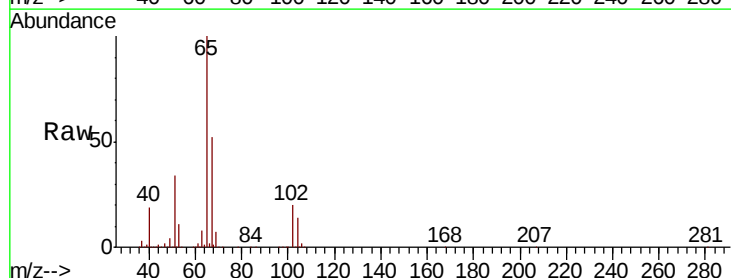
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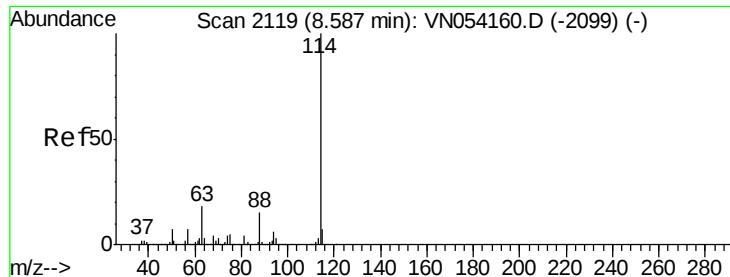
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#33
1,2-Dichloroethane-d4
Concen: 51.231 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN054288.D
Acq: 15 Mar 2019 4:06

Tgt Ion	Ratio	Lower	Upper
65	100		
67	51.2	0.0	104.6





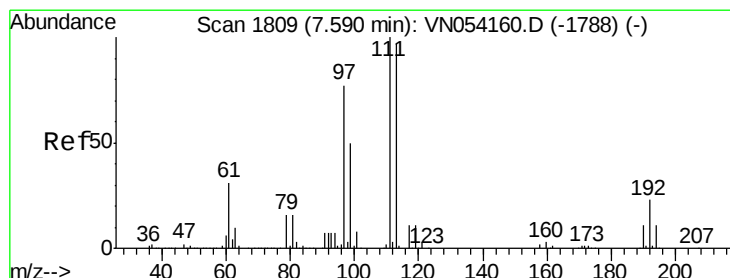
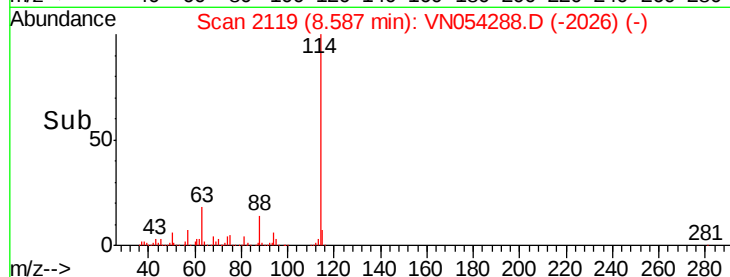
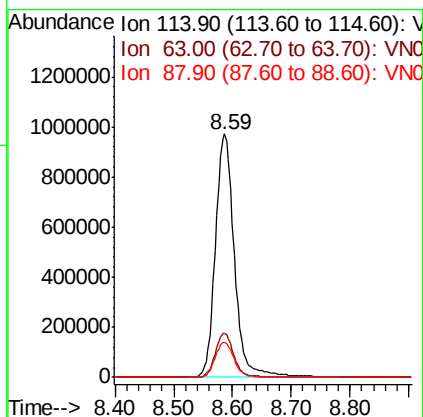
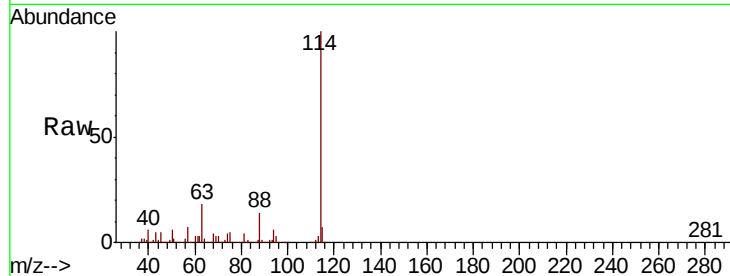
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN054288.D
 Acq: 15 Mar 2019 4:06

Instrument :
 MSVOA_N
 ClientSampleId :
 OILY-SOIL

Tgt Ion:114 Resp: 2174724
 Ion Ratio Lower Upper
 114 100
 63 18.1 0.0 35.2
 88 14.5 0.0 30.2

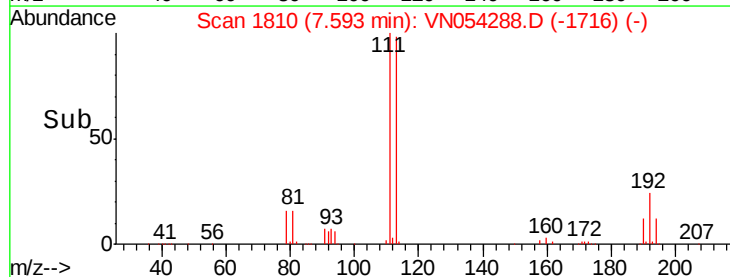
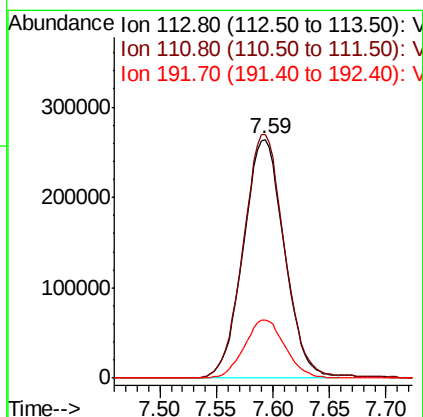
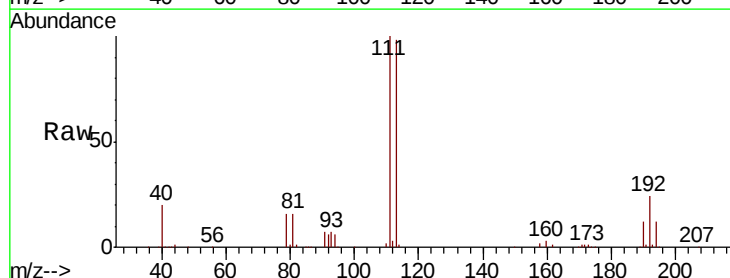
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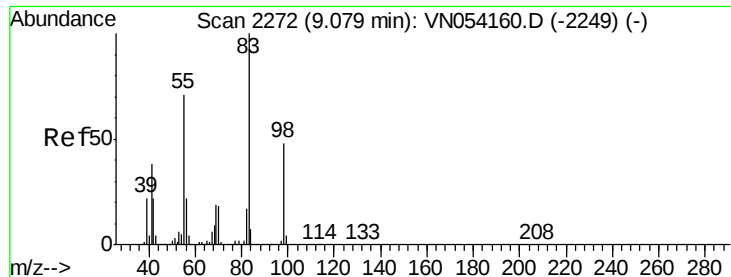
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#35
 Dibromofluoromethane
 Concen: 47.472 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN054288.D
 Acq: 15 Mar 2019 4:06

Tgt Ion:113 Resp: 665840
 Ion Ratio Lower Upper
 113 100
 111 103.3 82.2 123.4
 192 24.4 19.2 28.8





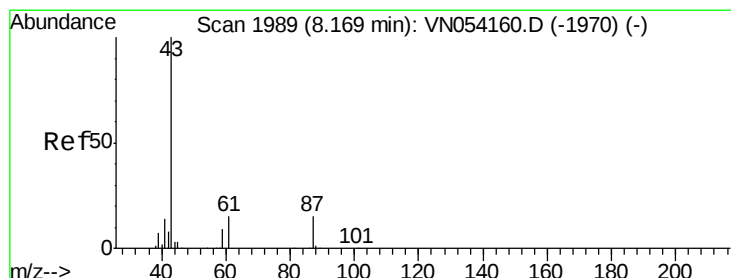
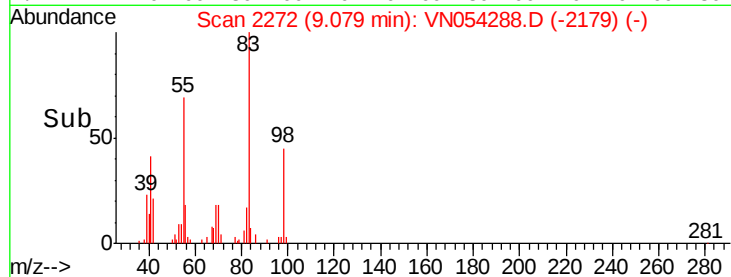
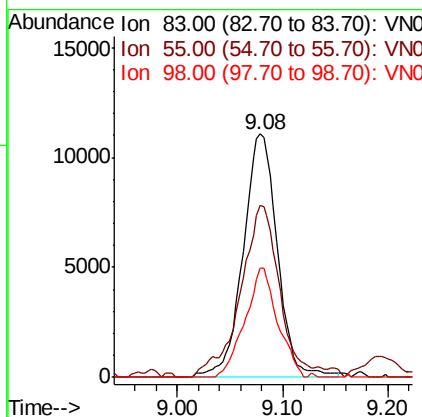
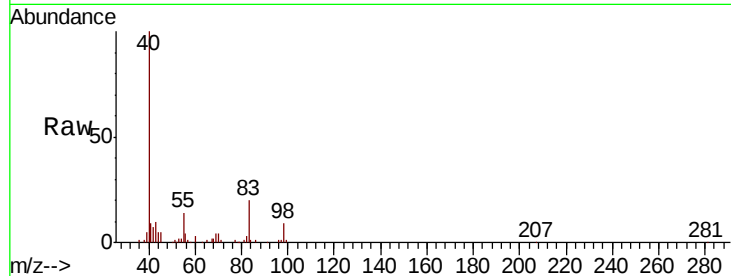
#39
Methylcyclohexane
Concen: 1.017 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN054288.D
Acq: 15 Mar 2019 4:06

Instrument :
MSVOA_N
ClientSampleId :
OILY-SOIL

Tgt Ion	Ratio	Lower	Upper
83	100		
55	70.8	56.6	84.8
98	45.0	38.4	57.6

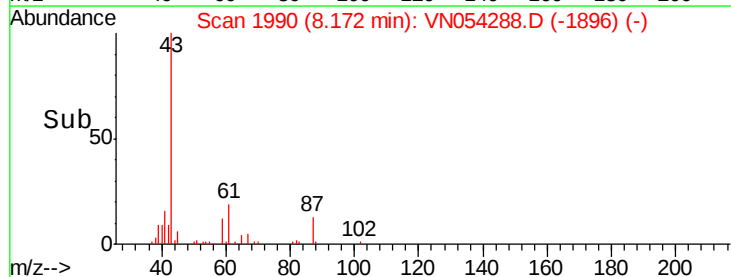
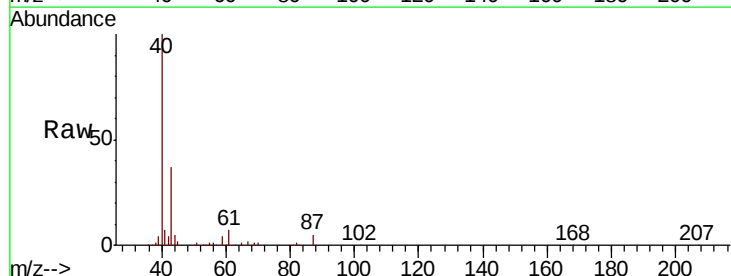
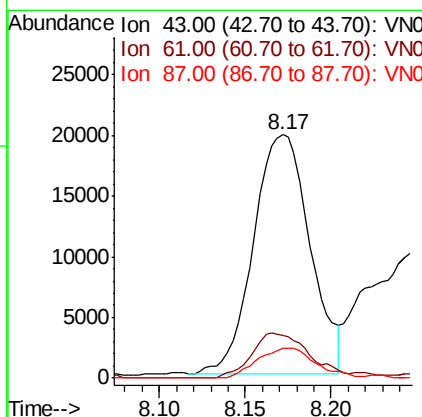
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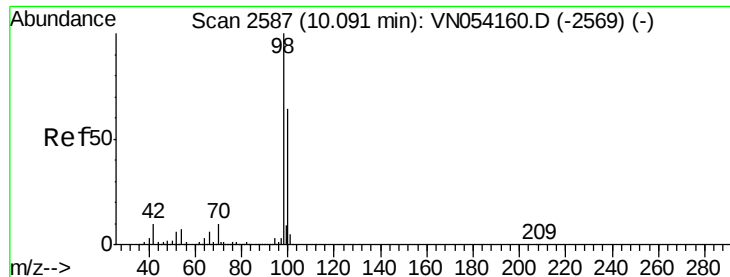
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#43
Isopropyl Acetate
Concen: 2.226 ug/l
RT: 8.17 min Scan# 1990
Delta R.T. 0.00 min
Lab File: VN054288.D
Acq: 15 Mar 2019 4:06

Tgt Ion	Ratio	Lower	Upper
43	100		
61	19.1	15.8	23.8
87	12.8	12.0	18.0





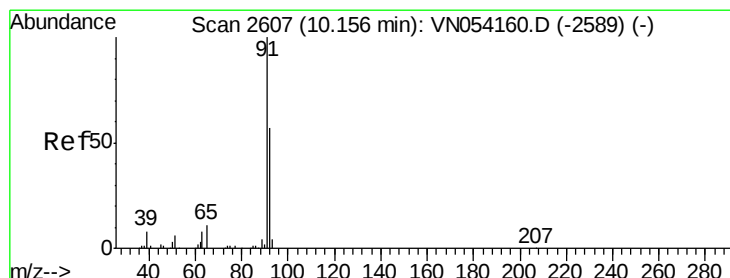
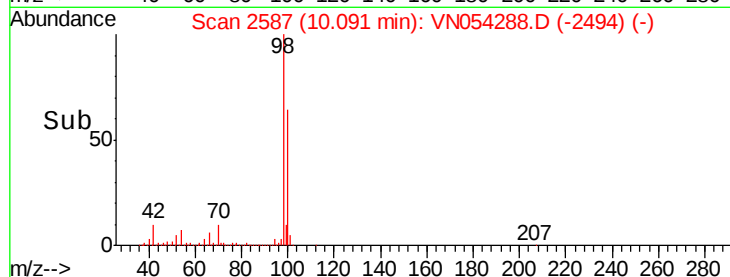
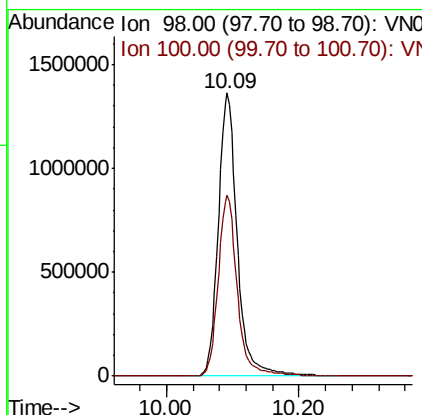
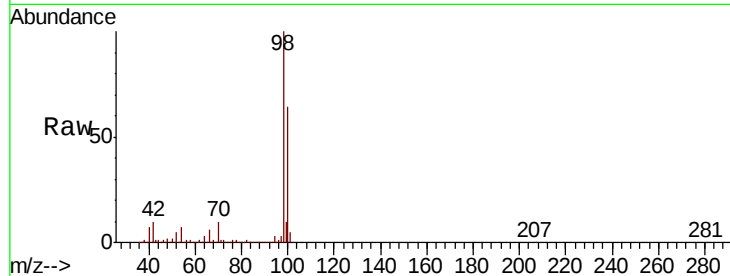
#50
Toluene-d8
Concen: 52.268 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN054288.D
Acq: 15 Mar 2019 4:06

Instrument :
MSVOA_N
ClientSampleId :
OILY-SOIL

Tgt Ion: 98 Resp: 2707477
Ion Ratio Lower Upper
98 100
100 64.2 51.2 76.8

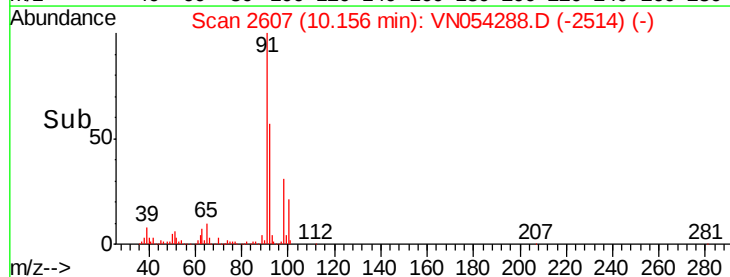
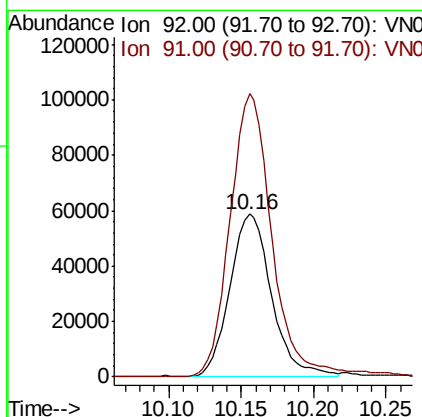
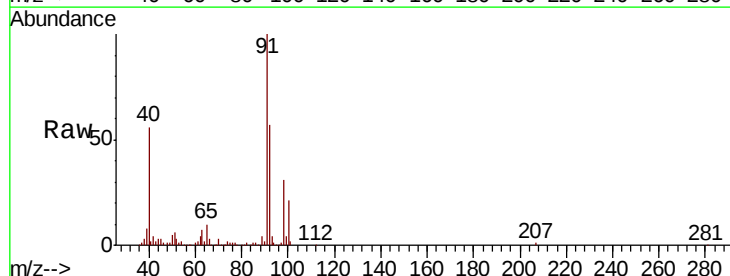
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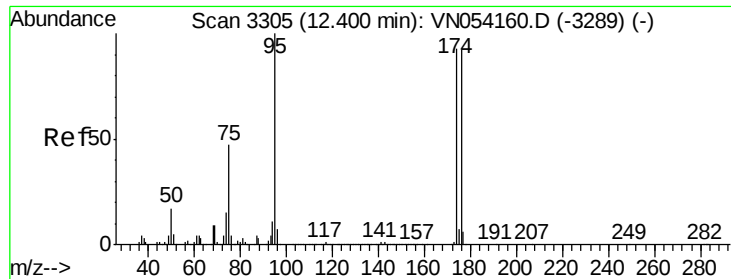
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#52
Toluene
Concen: 3.242 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. 0.00 min
Lab File: VN054288.D
Acq: 15 Mar 2019 4:06

Tgt Ion: 92 Resp: 117794
Ion Ratio Lower Upper
92 100
91 176.6 140.7 211.1





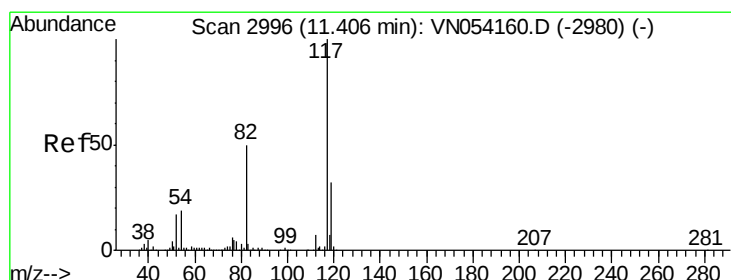
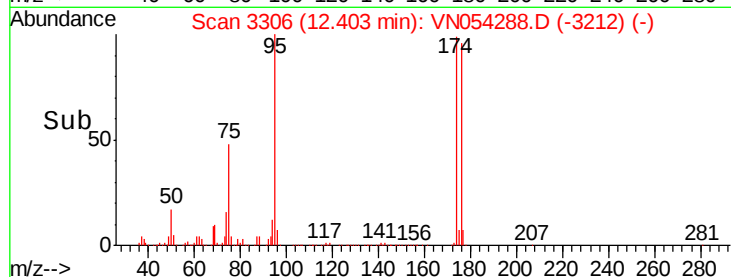
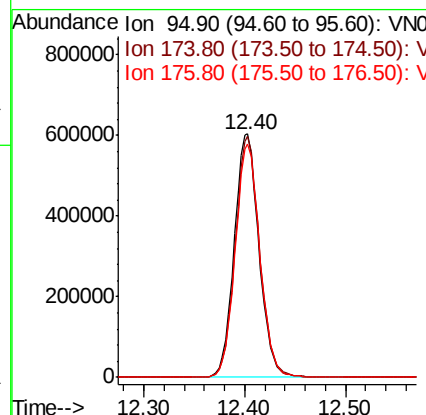
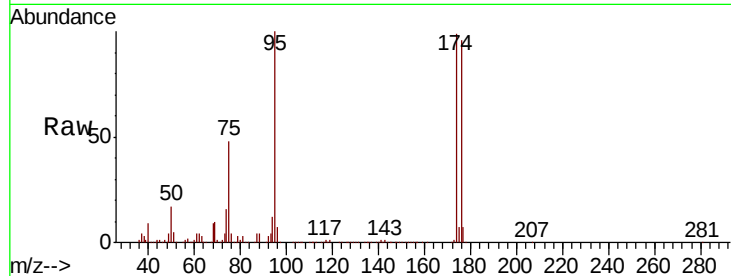
#62
4-Bromofluorobenzene
Concen: 56.843 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN054288.D
Acq: 15 Mar 2019 4:06

Instrument :
MSVOA_N
ClientSampleId :
OILY-SOIL

Tgt Ion: 95 Resp: 1030272
Ion Ratio Lower Upper
95 100
174 98.0 0.0 191.0
176 95.3 0.0 187.4

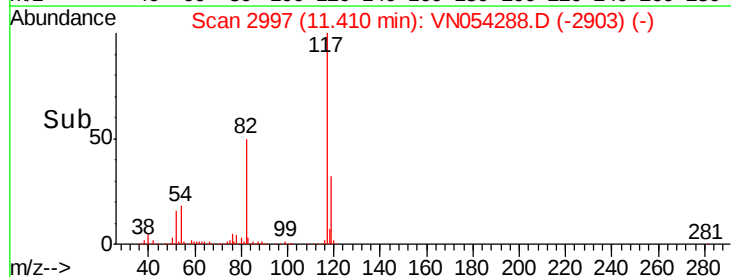
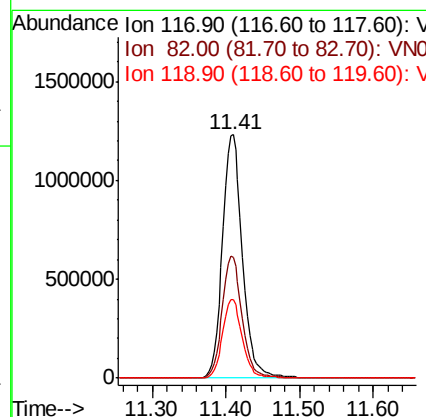
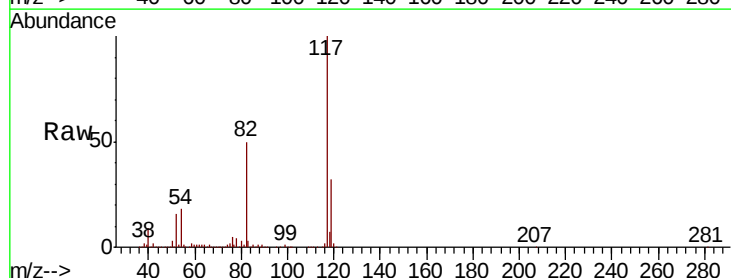
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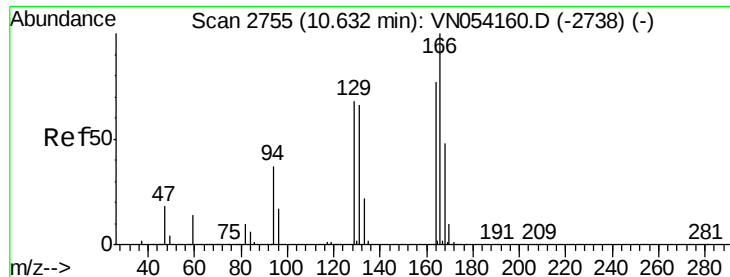
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#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN054288.D
Acq: 15 Mar 2019 4:06

Tgt Ion: 117 Resp: 2312918
Ion Ratio Lower Upper
117 100
82 49.6 40.0 60.0
119 32.3 25.8 38.6





#64

Tetrachloroethene

Concen: 0.743 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VN054288.D

Acq: 15 Mar 2019 4:06

Instrument :

MSVOA_N

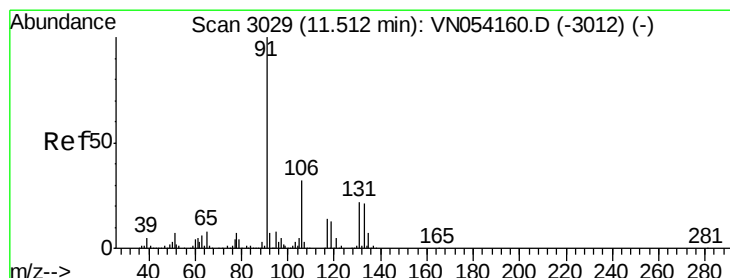
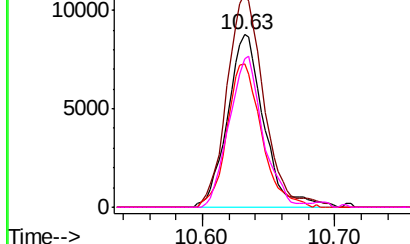
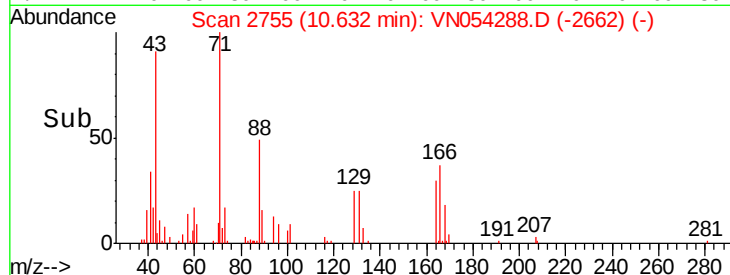
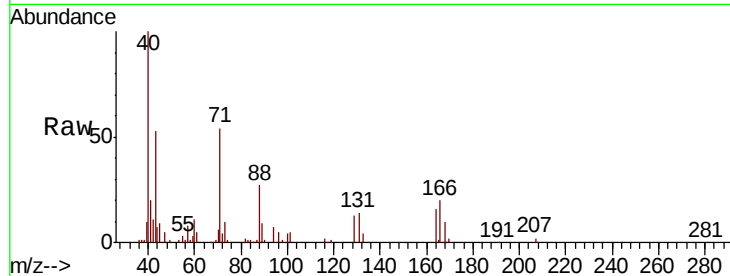
ClientSampleId :

OILY-SOIL

Tgt Ion:	164	Resp:	16608
Ion Ratio	Lower	Upper	
164	100		
166	123.7	103.9	155.9
129	83.3	71.1	106.7
131	85.8	68.2	102.4

Manual Integrations
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#67

Ethyl Benzene

Concen: 1.861 ug/l

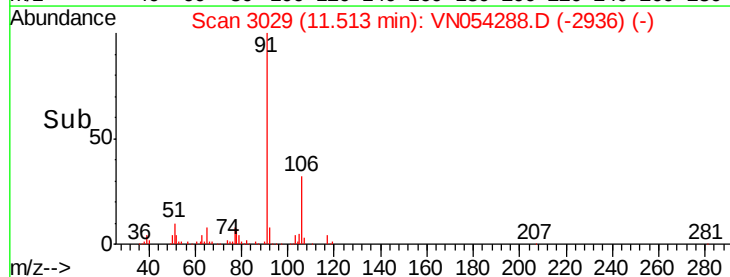
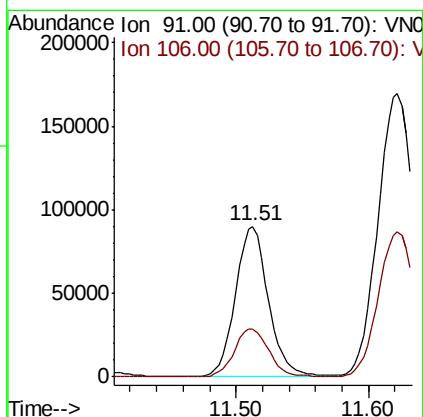
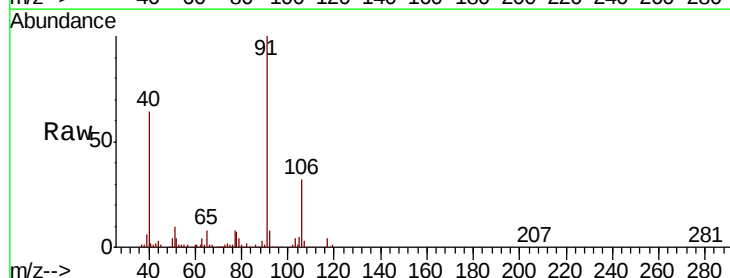
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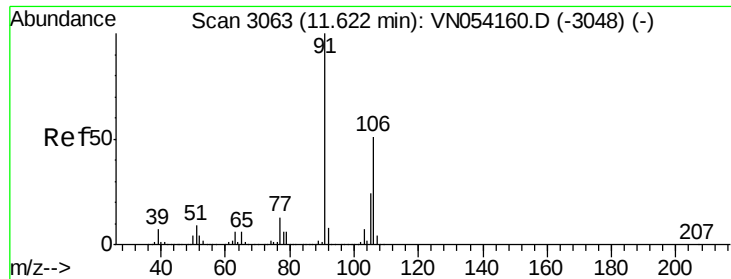
Delta R.T. 0.00 min

Lab File: VN054288.D

Acq: 15 Mar 2019 4:06

Tgt Ion:	91	Resp:	156641
Ion Ratio	Lower	Upper	
91	100		
106	31.5	25.5	38.3





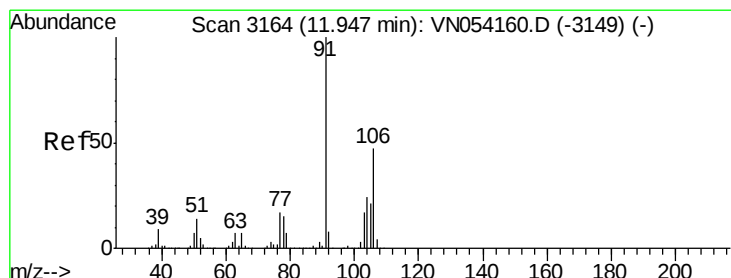
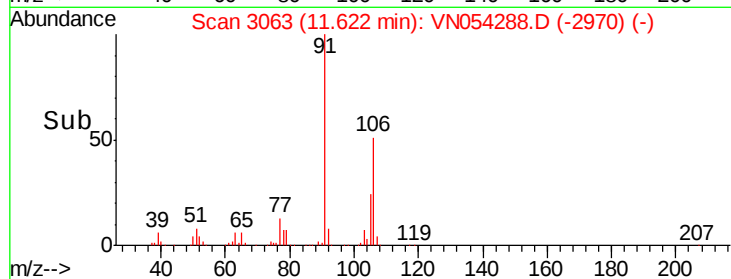
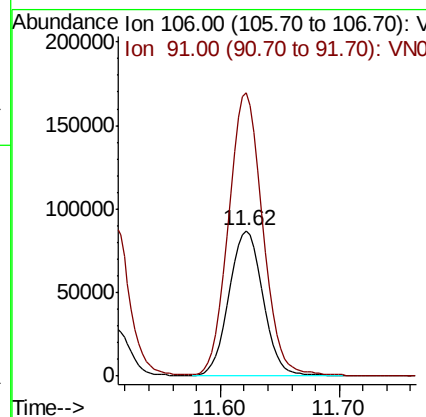
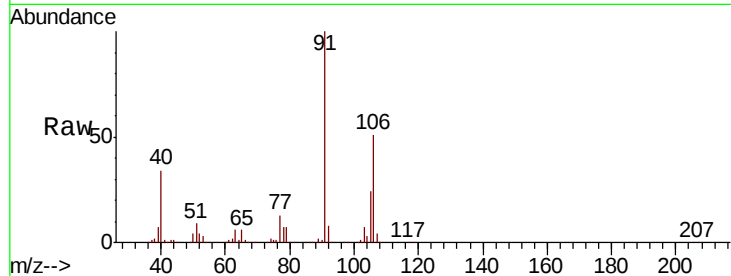
#68
m/p-Xylenes
Concen: 5.238 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN054288.D
Acq: 15 Mar 2019 4:06

Instrument :
MSVOA_N
ClientSampleId :
OILY-SOIL

Tgt Ion:106 Resp: 172360
Ion Ratio Lower Upper
106 100
91 196.1 159.4 239.2

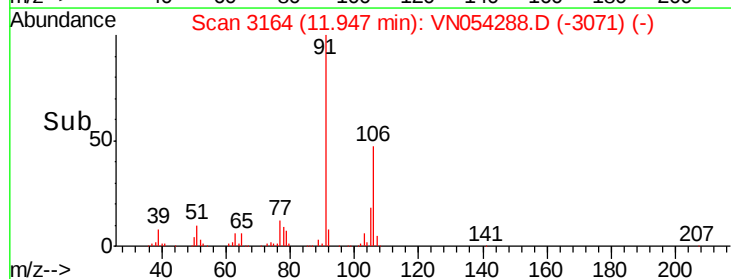
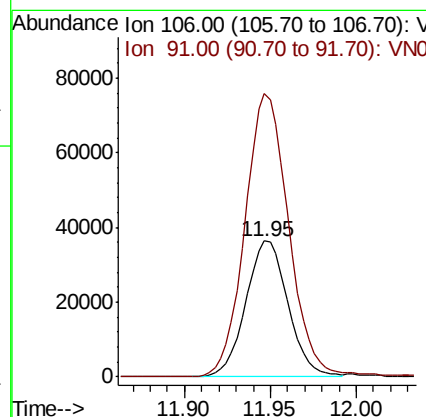
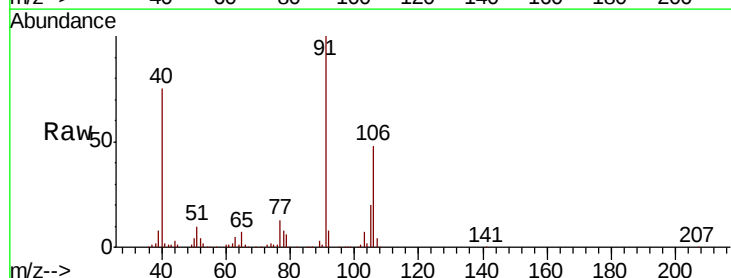
Manual Integrations
APPROVED

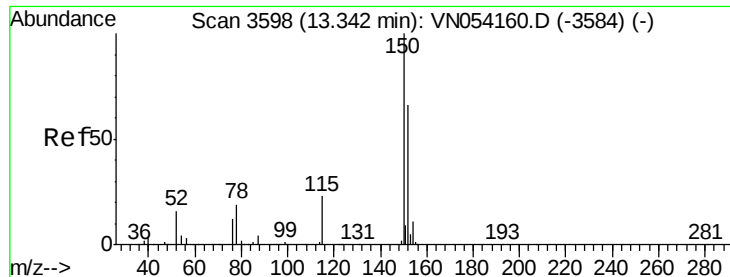
MMDadoda
3/15/2019 10:14:33 AM



#69
o-Xylene
Concen: 1.941 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN054288.D
Acq: 15 Mar 2019 4:06

Tgt Ion:106 Resp: 62247
Ion Ratio Lower Upper
106 100
91 216.5 105.7 317.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN054288.D

Acq: 15 Mar 2019 4:06

Instrument :

MSVOA_N

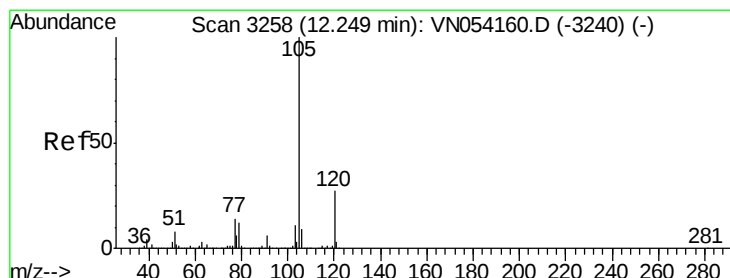
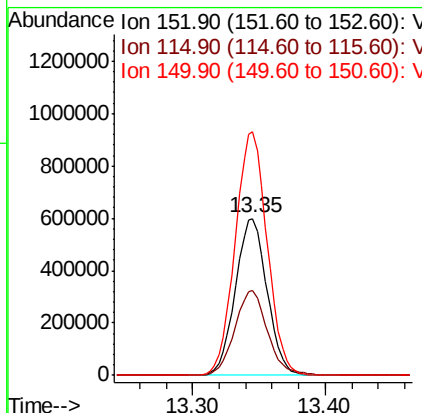
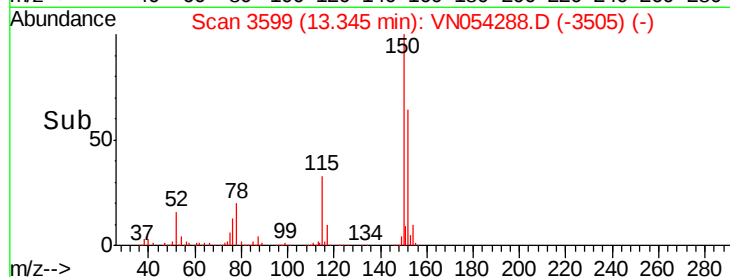
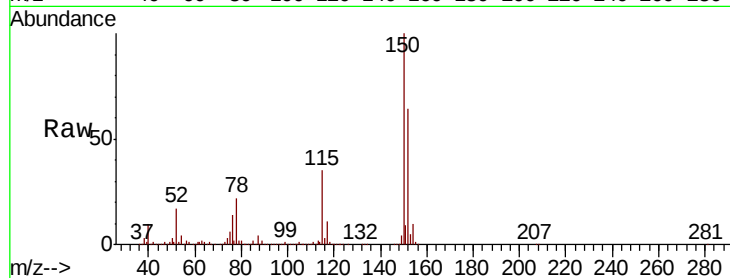
ClientSampleId :

OILY-SOIL

Tgt Ion:	152	Resp:	989052
Ion Ratio	Lower	Upper	
152	100		
115	56.1	27.2	81.6
150	157.1	0.0	349.2

Manual Integrations
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MMDadoda
3/15/2019 10:14:33 AM



#73

Isopropylbenzene

Concen: 0.325 ug/l

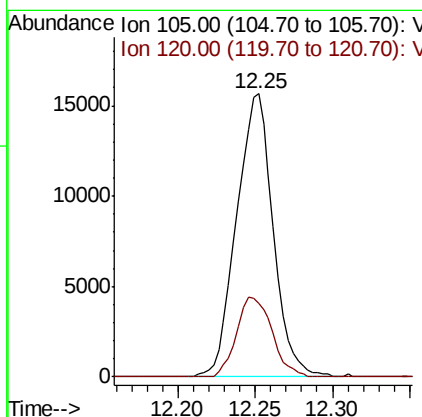
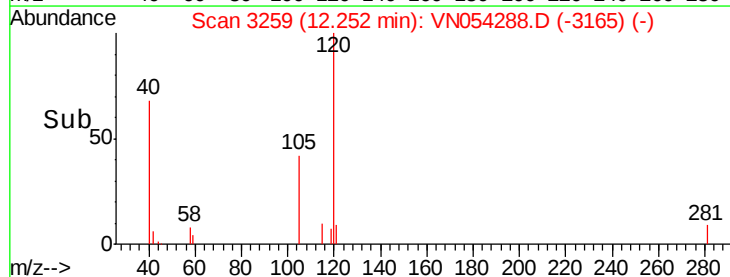
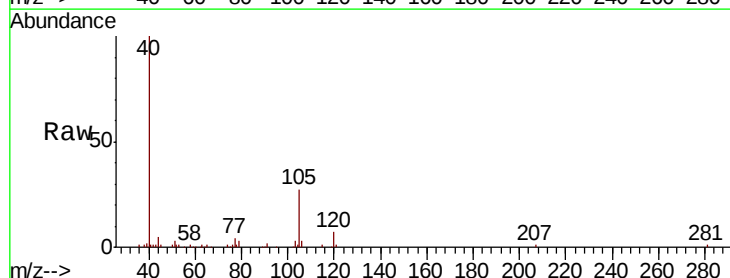
RT: 12.25 min Scan# 3259

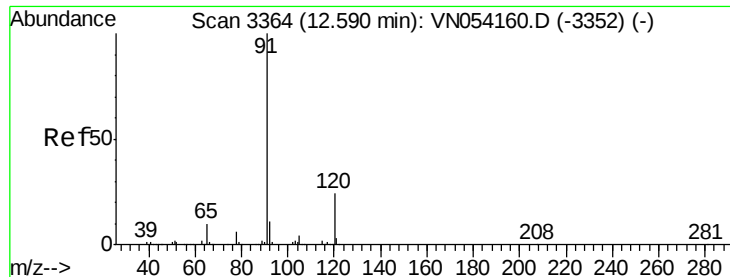
Delta R.T. 0.00 min

Lab File: VN054288.D

Acq: 15 Mar 2019 4:06

Tgt Ion:	105	Resp:	25679
Ion Ratio	Lower	Upper	
105	100		
120	27.3	13.8	41.3





#78

n-propylbenzene

Concen: 0.941 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN054288.D

Acq: 15 Mar 2019 4:06

Instrument :

MSVOA_N

ClientSampled :

OILY-SOIL

Tgt Ion: 91 Resp: 80784

Ion Ratio Lower Upper

91 100

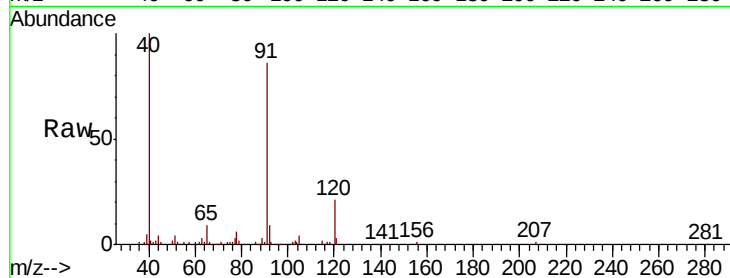
120 24.4 12.3 36.9

Manual Integrations

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MMDadoda

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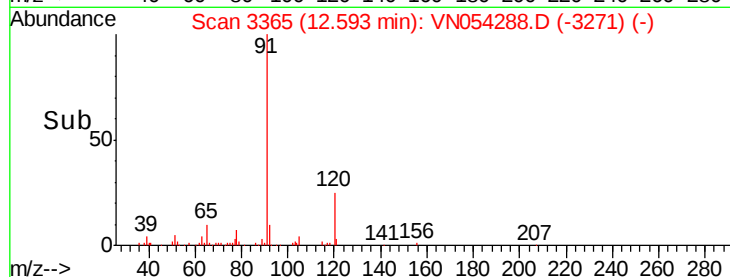


Abundance Ion 91.00 (90.70 to 91.70): VN054160.D (-3352) (-)

Ion 120.00 (119.70 to 120.70): VN054160.D (-3352) (-)

12.59

Time-->

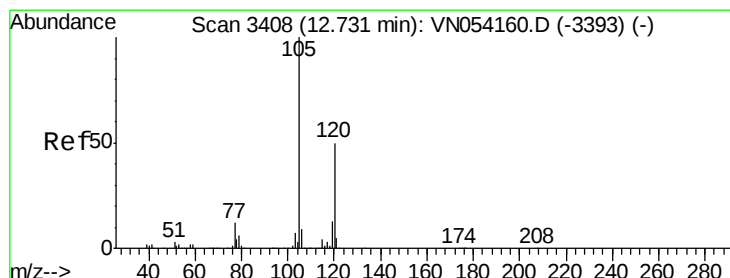


Abundance Ion 91.00 (90.70 to 91.70): VN054288.D (-3271) (-)

Ion 120.00 (119.70 to 120.70): VN054288.D (-3271) (-)

12.59

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 4.898 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN054288.D

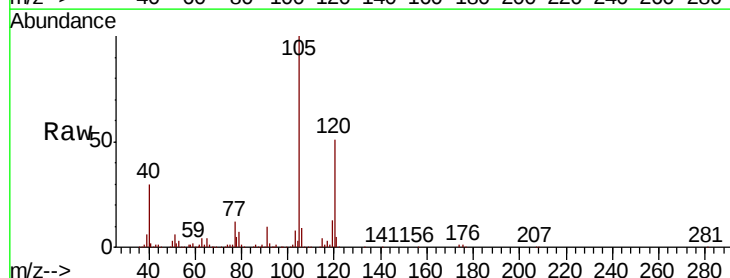
Acq: 15 Mar 2019 4:06

Tgt Ion: 105 Resp: 322359

Ion Ratio Lower Upper

105 100

120 50.1 25.0 75.0

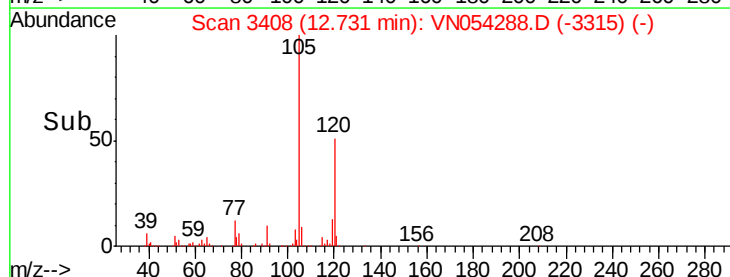


Abundance Ion 105.00 (104.70 to 105.70): VN054160.D (-3393) (-)

Ion 120.00 (119.70 to 120.70): VN054160.D (-3393) (-)

12.73

Time-->

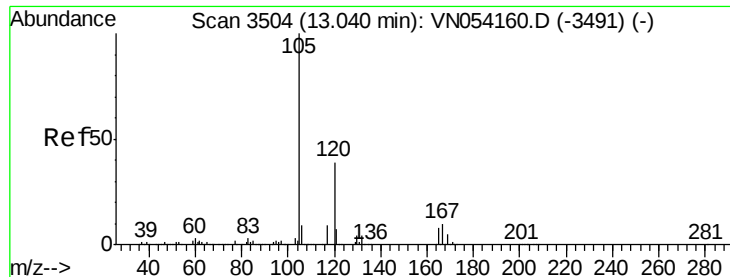


Abundance Ion 105.00 (104.70 to 105.70): VN054288.D (-3315) (-)

Ion 120.00 (119.70 to 120.70): VN054288.D (-3315) (-)

12.73

Time-->



#84

1,2,4-Trimethylbenzene

Concen: 9.287 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. 0.00 min

Lab File: VN054288.D

Acq: 15 Mar 2019 4:06

Instrument :

MSVOA_N

ClientSampleId :

OILY-SOIL

Tgt Ion:105 Resp: 599678

Ion Ratio Lower Upper

105 100

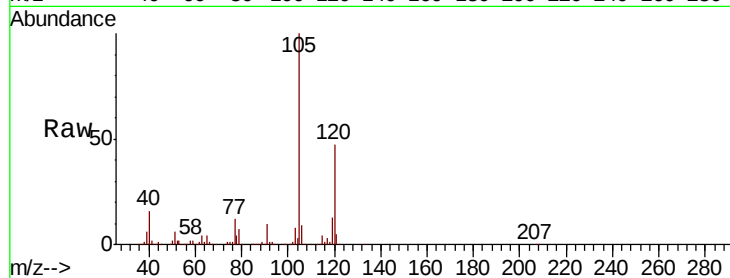
120 47.0 23.4 70.3

Manual Integrations

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MMDadoda

3/15/2019 10:14:33 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

13.04

400000

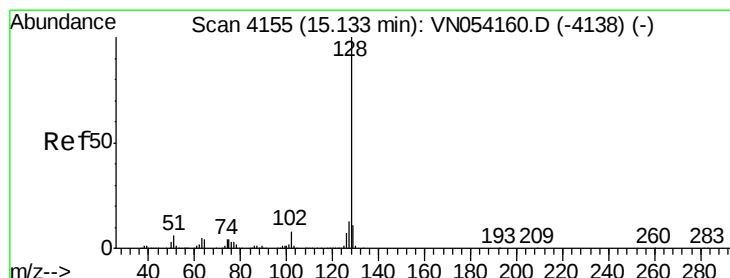
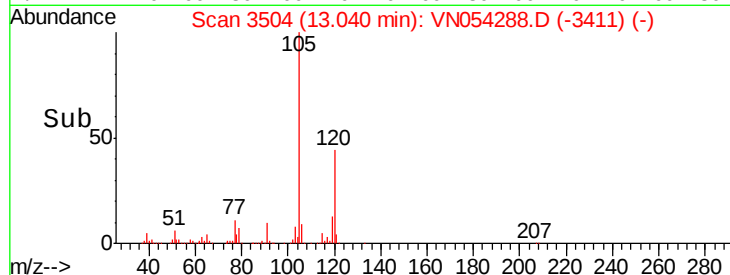
300000

200000

100000

0

Time-->



#95

Naphthalene

Concen: 6.525 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN054288.D

Acq: 15 Mar 2019 4:06

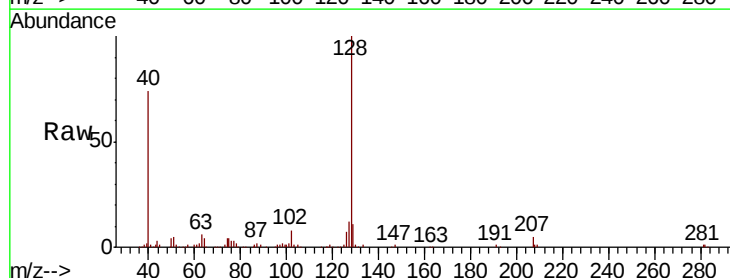
Tgt Ion:128 Resp: 142443

Ion Ratio Lower Upper

128 100

127 11.9 10.1 15.1

129 10.1 8.7 13.1



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

15.13

100000

80000

60000

40000

20000

0

Time-->

