

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121118\
 Data File : VX006414.D
 Acq On : 11 Dec 2018 12:24
 Operator : JC/MD
 Sample : J6269-01ME
 Misc : 5.79g/5mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 OILY-SOILME

Manual Integrations
 APPROVED

MMDadoda
 12/12/2018 10:39:52 AM

Quant Time: Dec 11 13:37:28 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112918W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 30 03:55:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	646232	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	1013278	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	948620	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	585218	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	325131	49.28	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.56%	
35) Dibromofluoromethane	5.51	113	297329	45.32	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.64%	
50) Toluene-d8	8.71	98	1494514	62.63	ug/l	0.00
Spiked Amount 50.000			Recovery	=	125.26%	
62) 4-Bromofluorobenzene	11.14	95	710249	78.98	ug/l	0.00
Spiked Amount 50.000			Recovery	=	157.96%	
Target Compounds						
					Qvalue	
31) Cyclohexane	5.56	56	2782917	292.003	ug/l	98
39) Methylcyclohexane	7.46	83	11148770	1006.573	ug/l	97
40) Benzene	6.13	78	76174	2.981	ug/l	95
52) Toluene	8.79	92	417446	24.828	ug/l	97
67) Ethyl Benzene	10.26	91	963298	28.762	ug/l	100
68) m/p-Xylenes	10.37	106	5108252	380.760	ug/l	99
69) o-Xylene	10.70	106	433245	32.693	ug/l	95
73) Isopropylbenzene	11.02	105	1764174	43.652	ug/l	99
78) n-propylbenzene	11.37	91	2314964	51.530	ug/l	97
80) 1,3,5-Trimethylbenzene	11.51	105	4250780	126.414	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	24443644m	703.984	ug/l	
85) sec-Butylbenzene	11.95	105	5298632	129.818	ug/l	99
86) p-Isopropyltoluene	12.07	119	7168695	195.050	ug/l	97
95) Naphthalene	13.84	128	14862825	330.662	ug/l #	77

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



#1

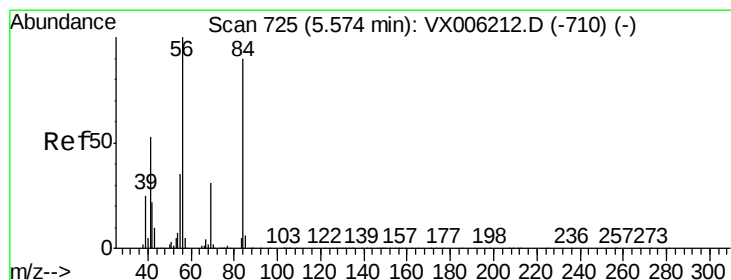
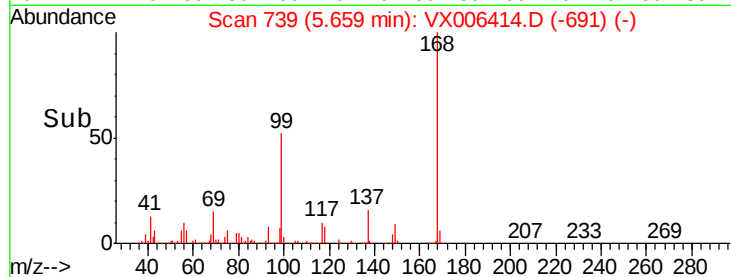
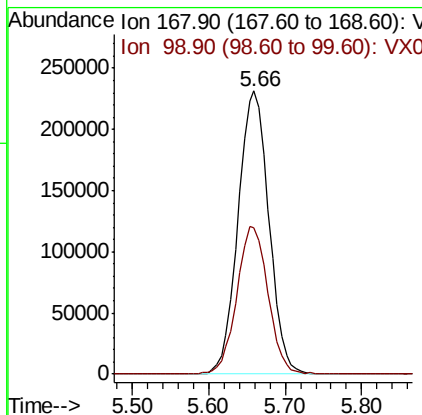
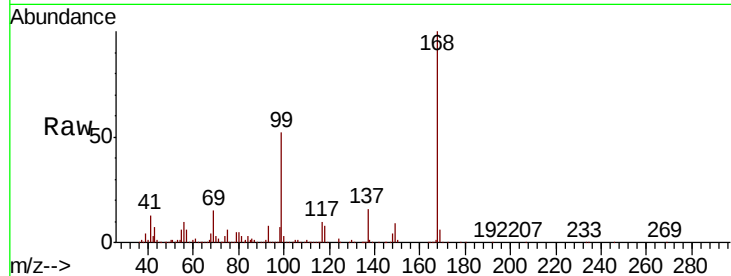
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.01 min
 Lab File: VX006414.D
 Acq: 11 Dec 2018 12:24

Instrument :
 MSVOA_X
 ClientSampleId :
 OILY-SOILME

Tot Ion	Ratio	Lower	Upper
168	100		
99	51.7	37.8	56.8

Manual Integrations
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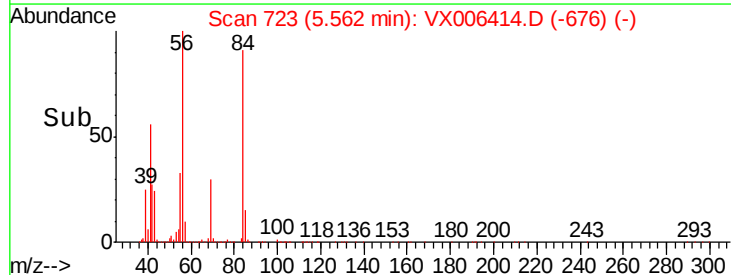
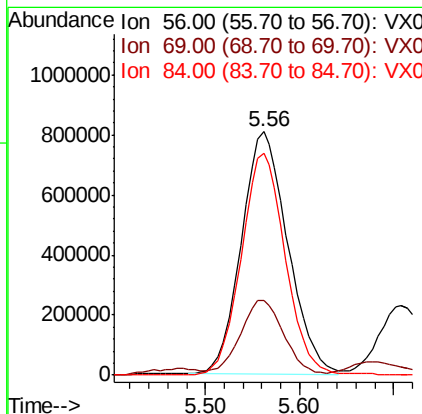
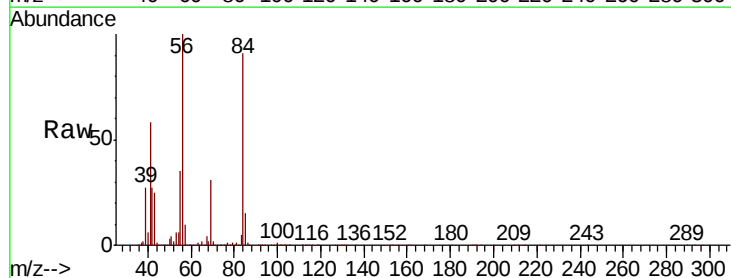
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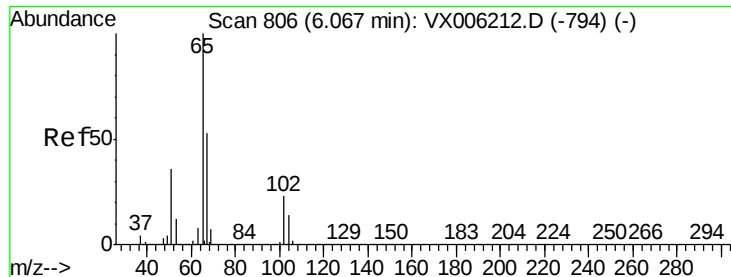


#31

Cyclohexane
 Concen: 292.003 ug/l
 RT: 5.56 min Scan# 723
 Delta R.T. -0.01 min
 Lab File: VX006414.D
 Acq: 11 Dec 2018 12:24

Tgt Ion	Ratio	Lower	Upper
56	100		
69	29.2	24.5	36.7
84	91.5	71.8	107.6





#33

1,2-Dichloroethane-d4

Concen: 49.285 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX006414.D

Acq: 11 Dec 2018 12:24

Instrument :

MSVOA_X

ClientSampleId :

OILY-SOILME

Tot Ion: 65 Resp: 325131

Ion Ratio Lower Upper

65 100

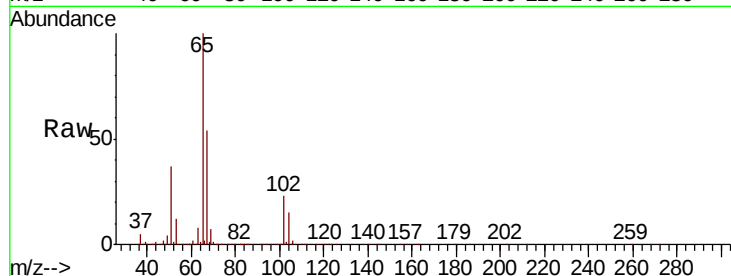
67 53.6 0.0 107.2

Manual Integrations

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12/12/2018 10:39:52 AM



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

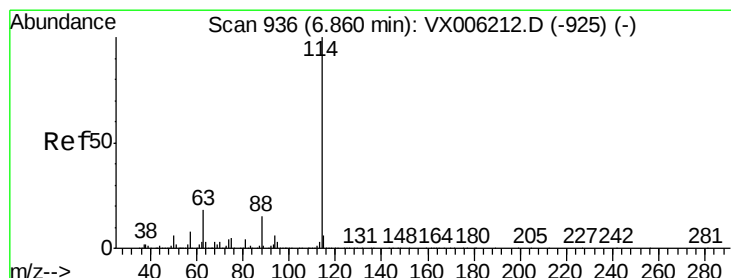
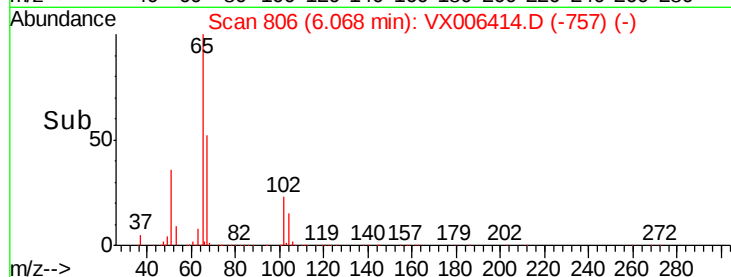
6.07

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX006414.D

Acq: 11 Dec 2018 12:24

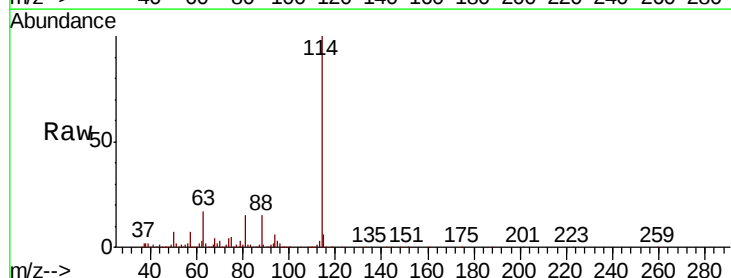
Tgt Ion: 114 Resp: 1013278

Ion Ratio Lower Upper

114 100

63 16.8 0.0 36.6

88 15.3 0.0 29.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

6.86

500000

400000

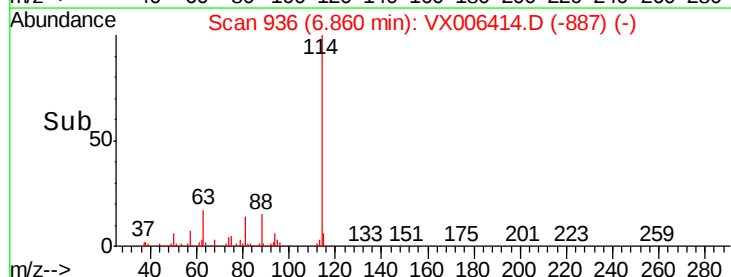
300000

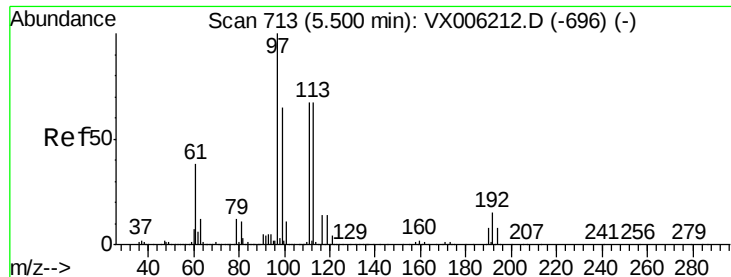
200000

100000

0

Time-->





#35

Dibromofluoromethane

Concen: 45.321 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX006414.D

Acq: 11 Dec 2018 12:24

Instrument :

MSVOA_X

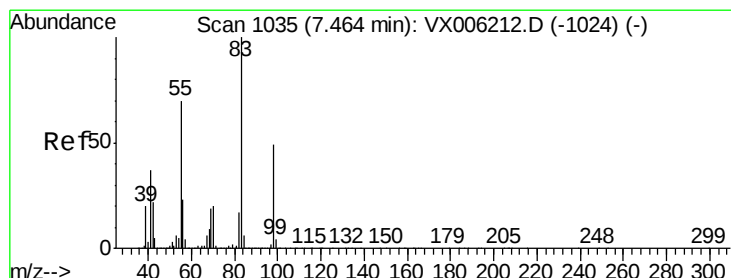
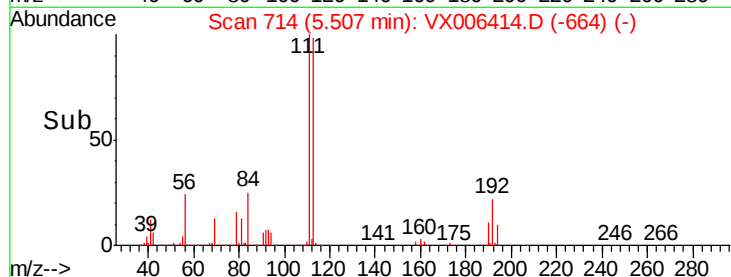
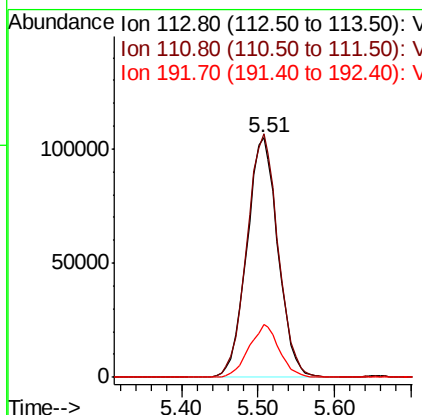
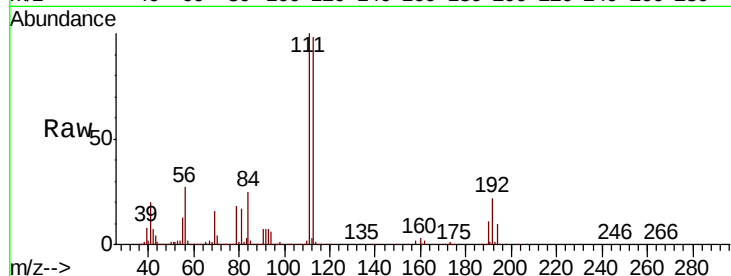
ClientSampleId :

OILY-SOILME

Tot Ion:	113	Resp:	297329
Ion Ratio	Lower	Upper	
113	100		
111	102.0	81.1	121.7
192	21.4	18.2	27.2

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#39

Methylcyclohexane

Concen: 1006.573 ug/l

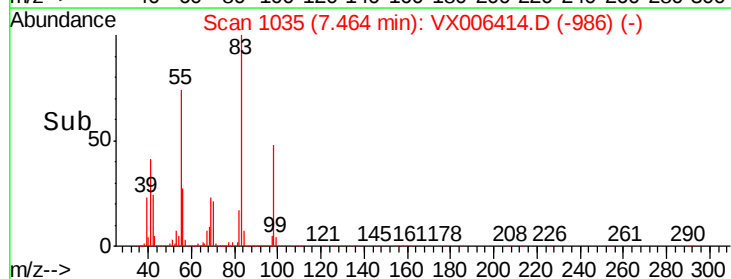
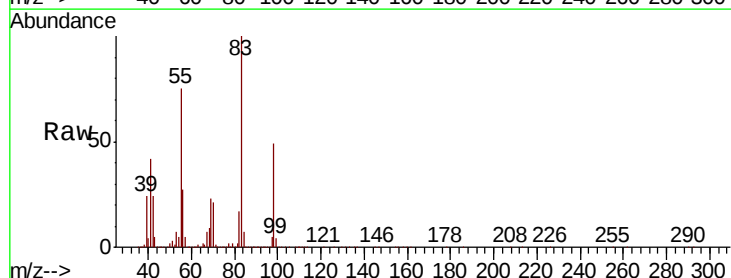
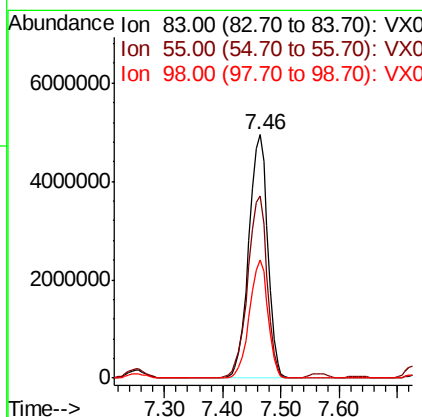
RT: 7.46 min Scan# 1035

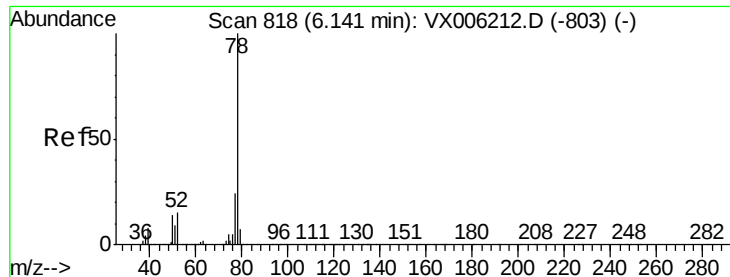
Delta R.T. 0.00 min

Lab File: VX006414.D

Acq: 11 Dec 2018 12:24

Tgt Ion:	83	Resp:	11148770
Ion Ratio	Lower	Upper	
83	100		
55	74.6	56.4	84.6
98	48.6	39.0	58.6





#40

Benzene

Concen: 2.981 ug/l

RT: 6.13 min Scan# 817

Delta R.T. -0.01 min

Lab File: VX006414.D

Acq: 11 Dec 2018 12:24

Instrument :

MSVOA_X

ClientSampleId :

OILY-SOILME

Tot Ion: 78 Resp: 76174

Ion Ratio Lower Upper

78 100

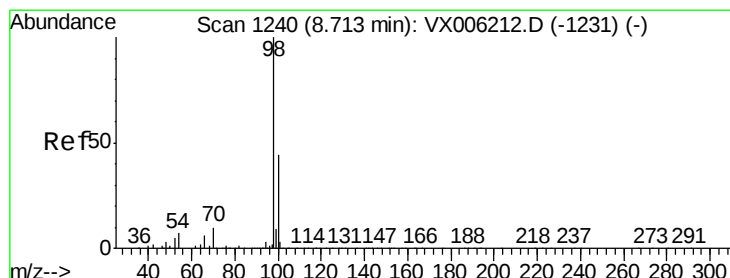
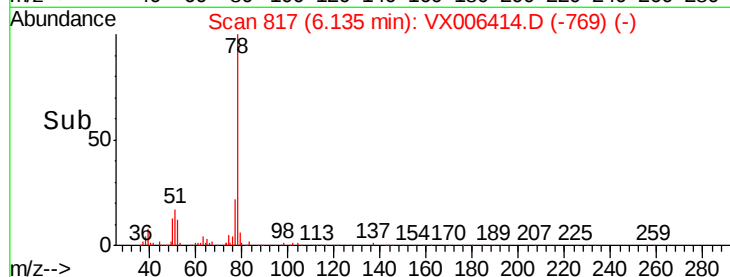
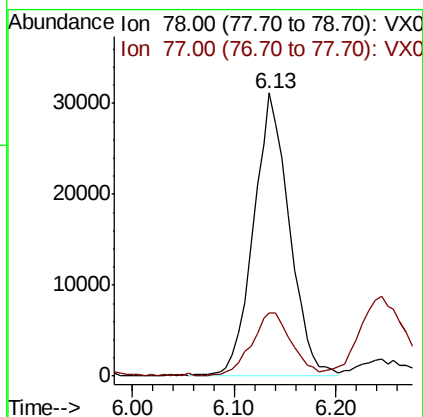
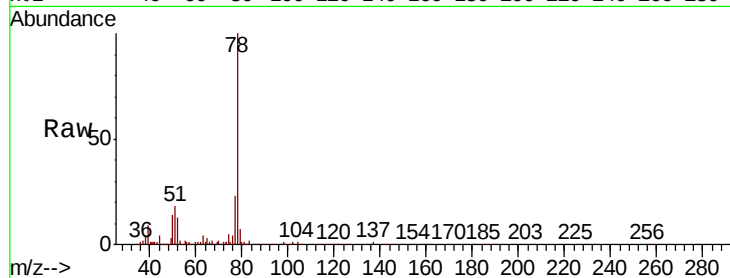
77 21.6 19.2 28.8

Manual Integrations

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#50

Toluene-d8

Concen: 62.627 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX006414.D

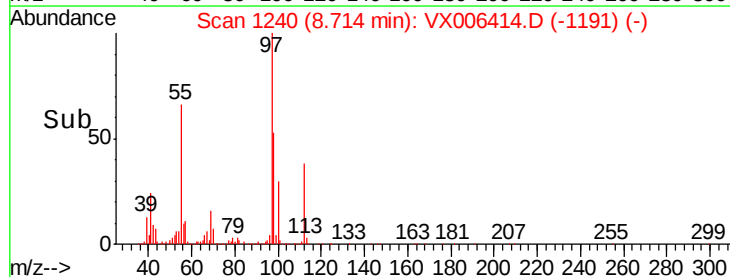
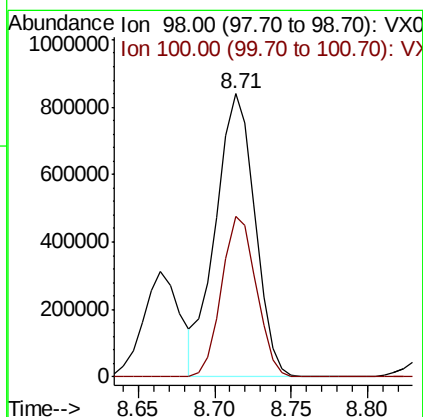
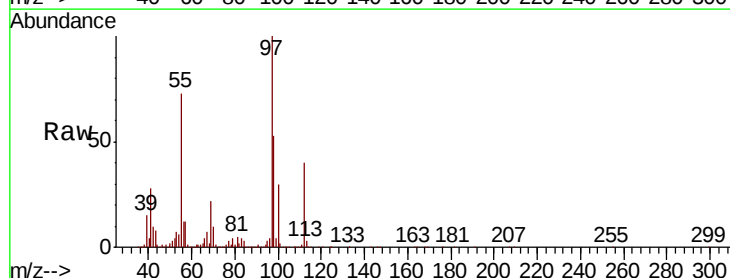
Acq: 11 Dec 2018 12:24

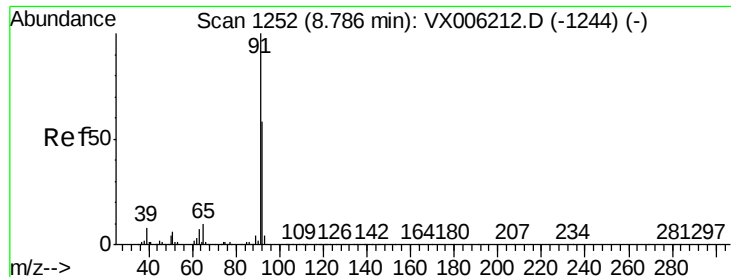
Tgt Ion: 98 Resp: 1494514

Ion Ratio Lower Upper

98 100

100 50.4 52.2 78.2#





#52

Toluene

Concen: 24.828 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VX006414.D

Acq: 11 Dec 2018 12:24

Instrument :

MSVOA_X

ClientSampleId :

OILY-SOILME

Tot Ion: 92 Resp: 417446

Ion Ratio Lower Upper

92 100

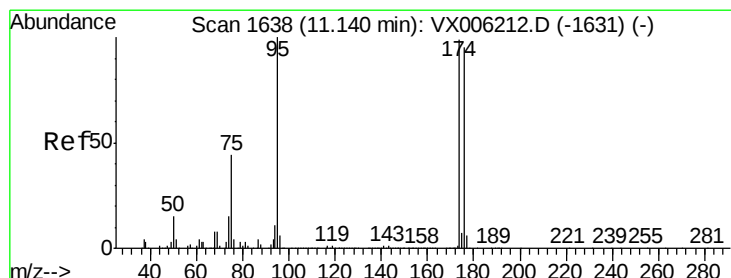
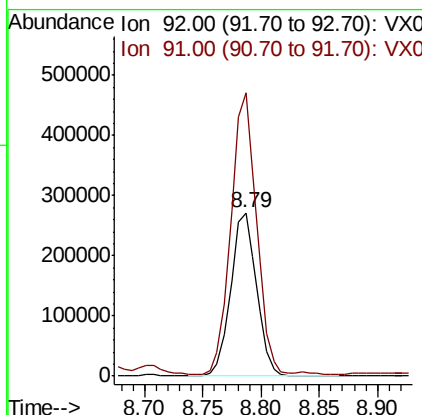
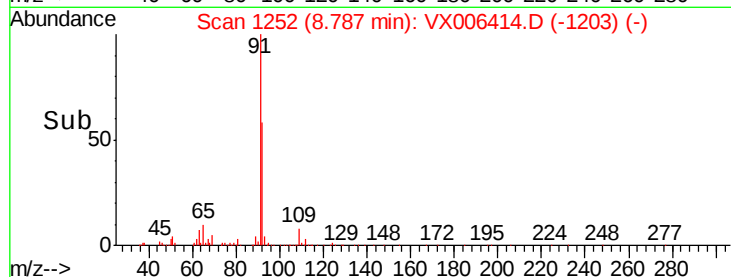
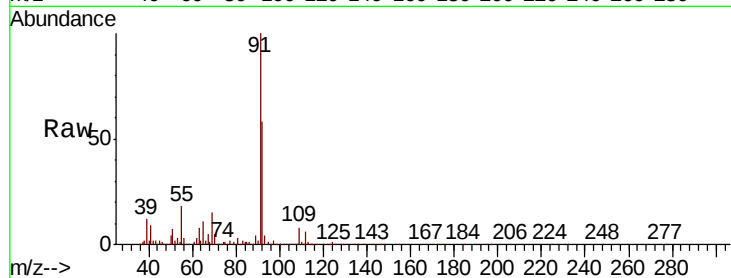
91 170.5 139.2 208.8

Manual Integrations

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#62

4-Bromofluorobenzene

Concen: 78.983 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.00 min

Lab File: VX006414.D

Acq: 11 Dec 2018 12:24

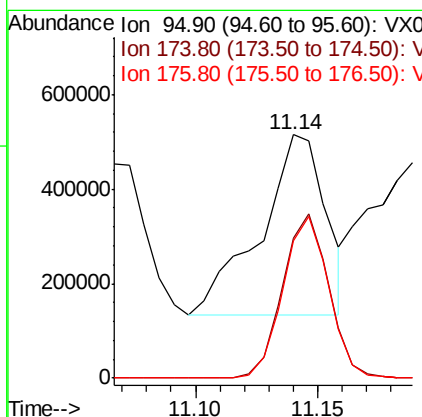
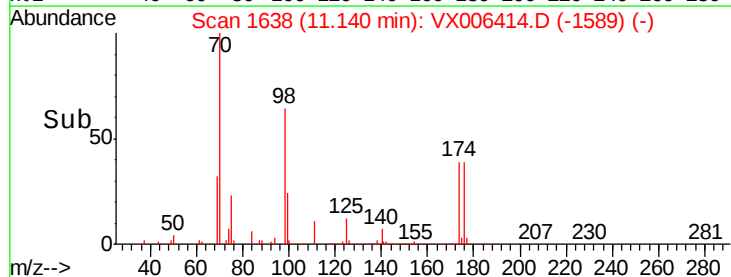
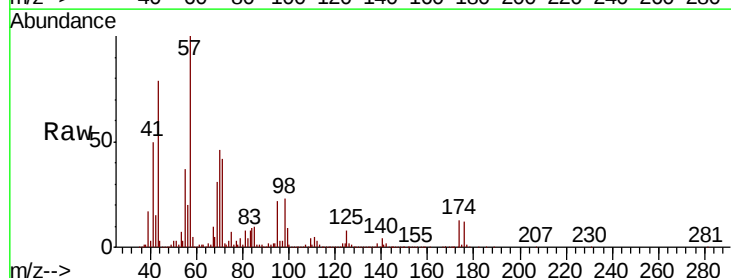
Tgt Ion: 95 Resp: 710249

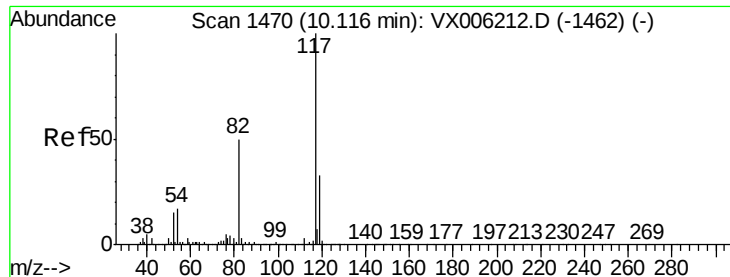
Ion Ratio Lower Upper

95 100

174 64.7 0.0 187.0

176 63.1 0.0 181.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. 0.00 min

Lab File: VX006414.D

Acq: 11 Dec 2018 12:24

Instrument :

MSVOA_X

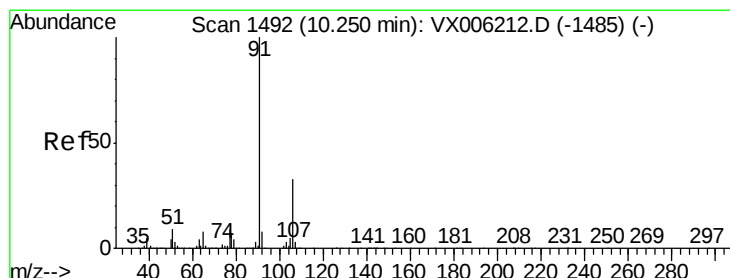
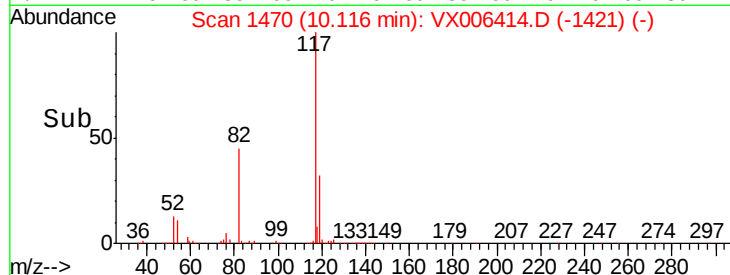
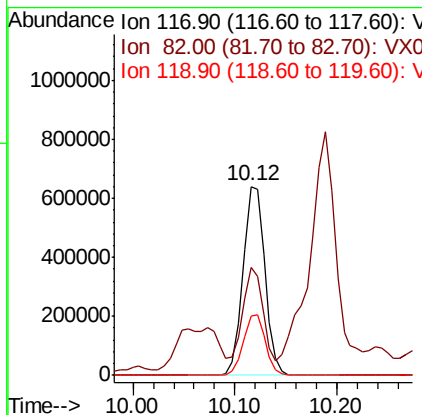
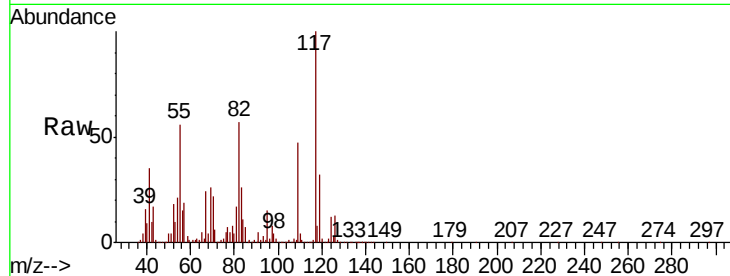
ClientSampled :

OILY-SOILME

Tot Ion	Ratio	Lower	Upper
117	100		
82	32.5	39.6	59.4#
119	31.5	26.3	39.5

Manual Integrations
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#67

Ethyl Benzene

Concen: 28.762 ug/l

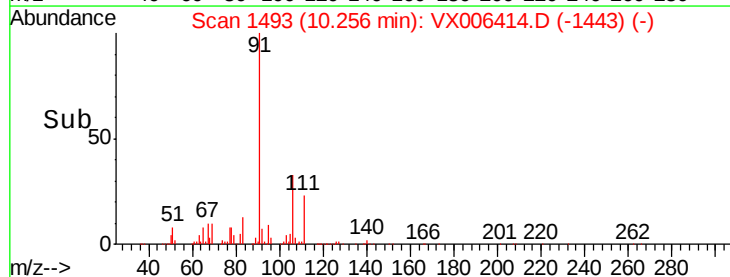
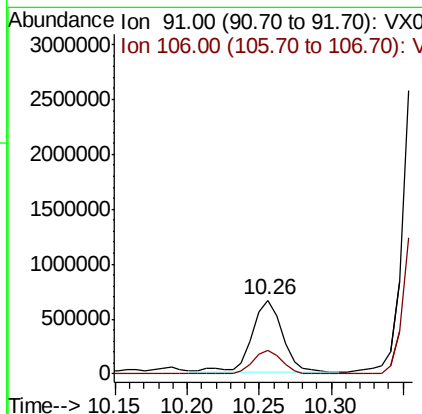
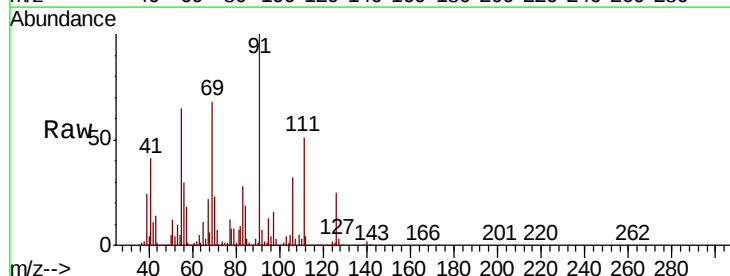
RT: 10.26 min Scan# 1493

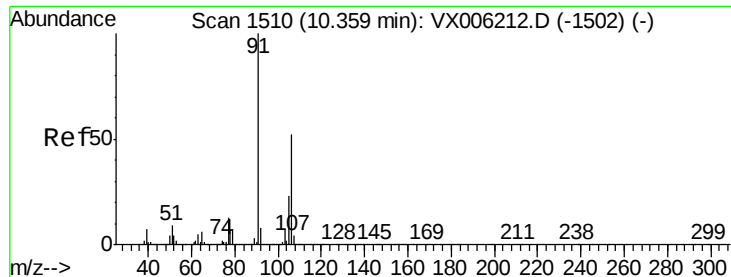
Delta R.T. 0.01 min

Lab File: VX006414.D

Acq: 11 Dec 2018 12:24

Tgt Ion	Ratio	Lower	Upper
91	100		
106	33.2	26.5	39.7





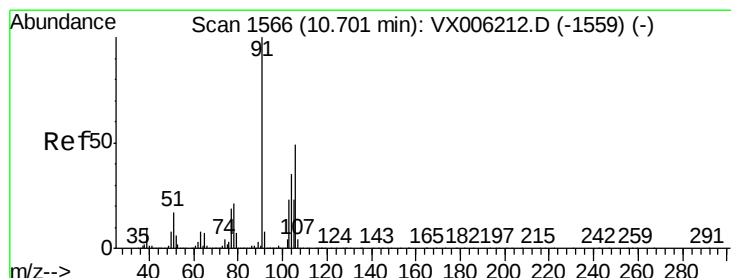
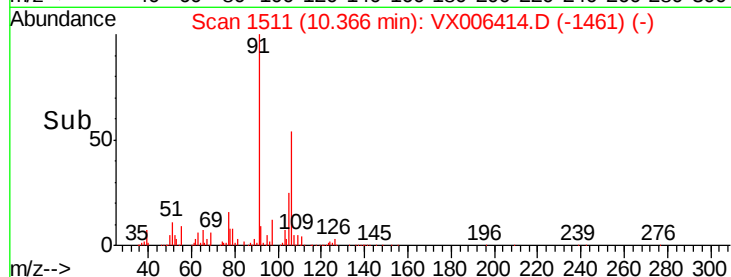
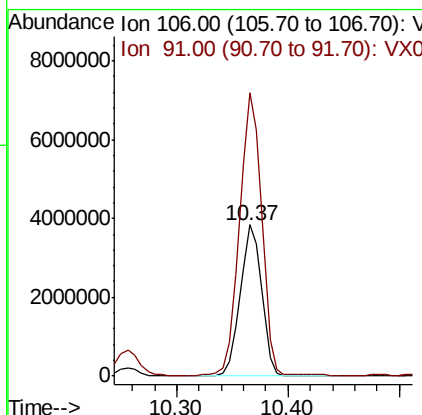
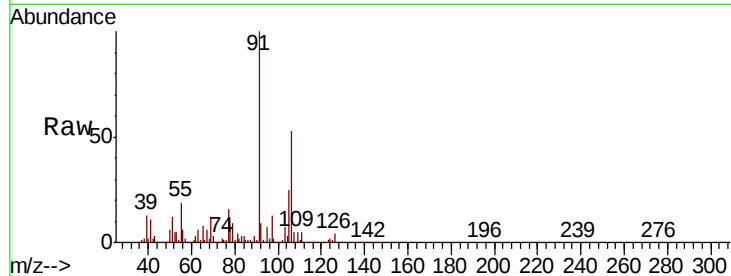
#68
m/p-Xylenes
Concen: 380.760 ug/l
RT: 10.37 min Scan# 1511
Delta R.T. 0.01 min
Lab File: VX006414.D
Acq: 11 Dec 2018 12:24

Instrument :
MSVOA_X
ClientSampleId :
OILY-SOILME

Tot Ion:106 Resp: 5108252
Ion Ratio Lower Upper
106 100
91 192.6 155.2 232.8

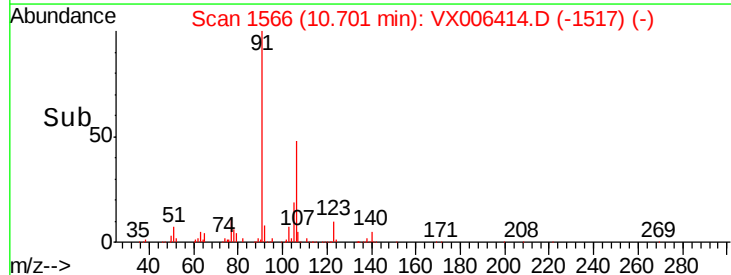
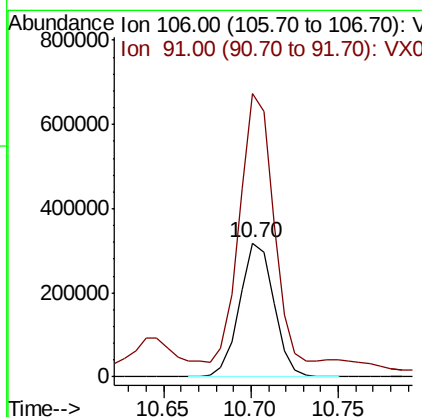
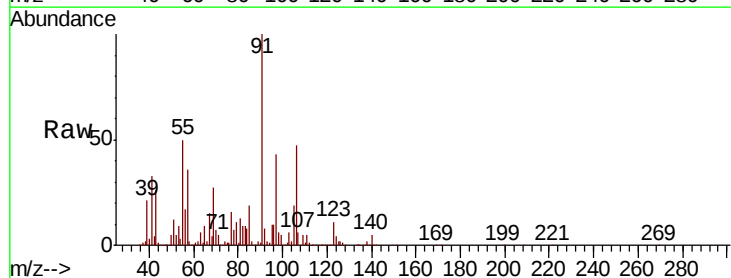
Manual Integrations
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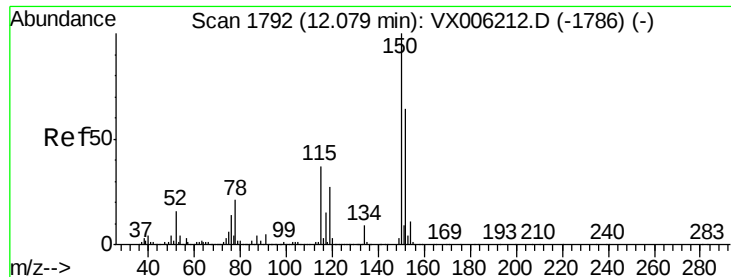
MMDadoda
12/12/2018 10:39:52 AM



#69
o-Xylene
Concen: 32.693 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VX006414.D
Acq: 11 Dec 2018 12:24

Tgt Ion:106 Resp: 433245
Ion Ratio Lower Upper
106 100
91 196.8 101.8 305.6





#72

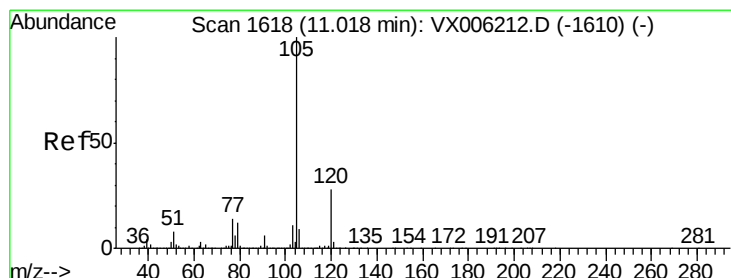
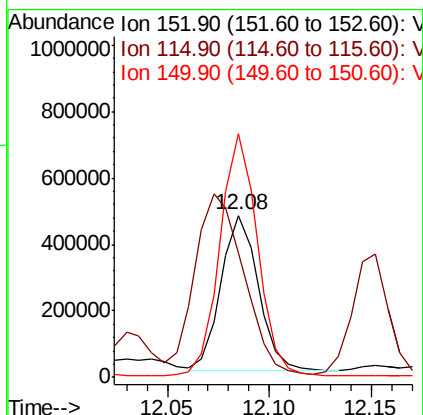
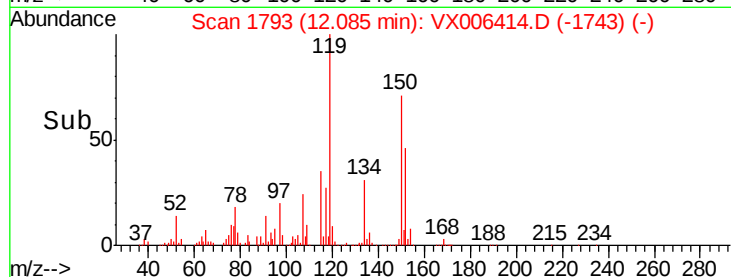
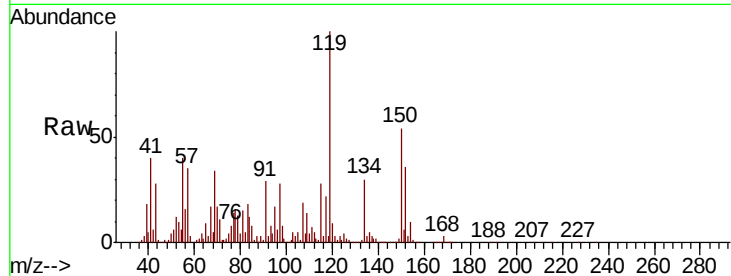
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1793
Delta R.T. 0.01 min
Lab File: VX006414.D
Acq: 11 Dec 2018 12:24

Instrument :
MSVOA_X
ClientSampleId :
OILY-SOILME

Tot Ion	Ratio	Resp	Lower	Upper
152	100			
115	154.7	39.0	116.9	
150	158.0	0.0	345.8	

Manual Integrations
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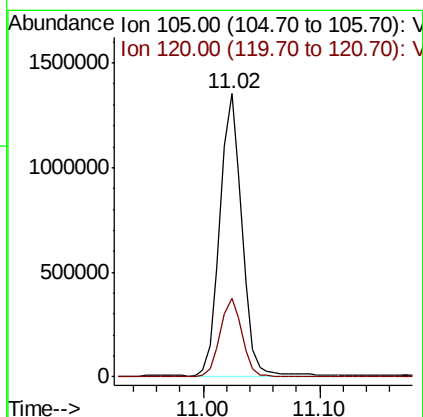
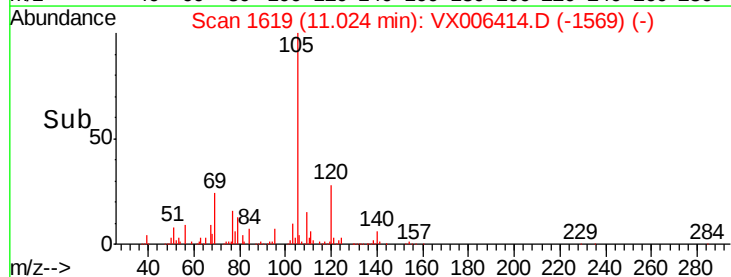
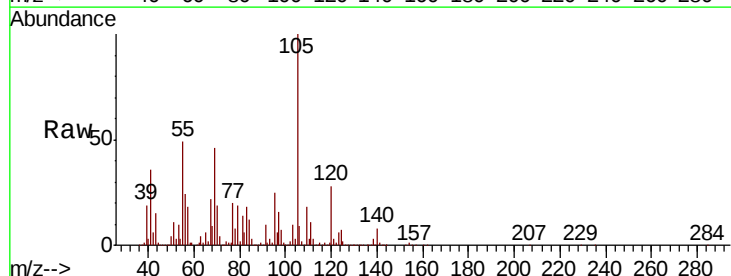
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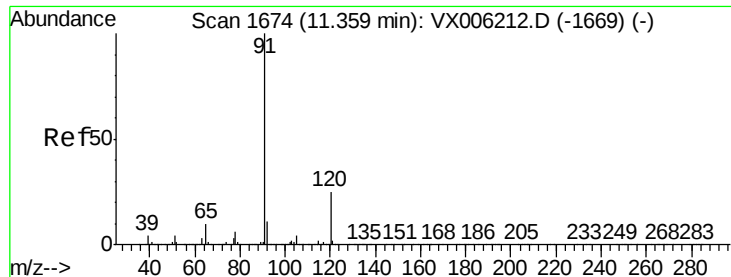


#73

Isopropylbenzene
Concen: 43.652 ug/l
RT: 11.02 min Scan# 1619
Delta R.T. 0.01 min
Lab File: VX006414.D
Acq: 11 Dec 2018 12:24

Tgt Ion	Ratio	Resp	Lower	Upper
105	100			
120	27.7	14.1	42.3	





#78

n-propylbenzene

Concen: 51.530 ug/l

RT: 11.37 min Scan# 1675

Delta R.T. 0.01 min

Lab File: VX006414.D

Acq: 11 Dec 2018 12:24

Instrument :

MSVOA_X

ClientSampleId :

OILY-SOILME

Tot Ion: 91 Resp: 2314964

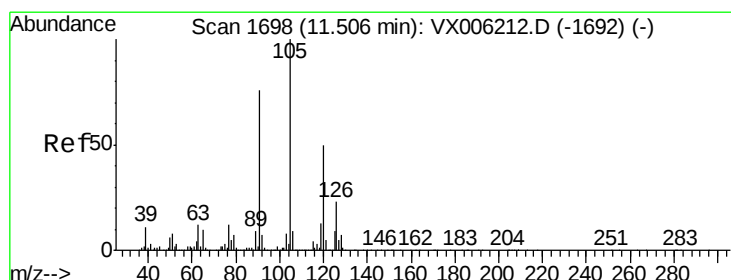
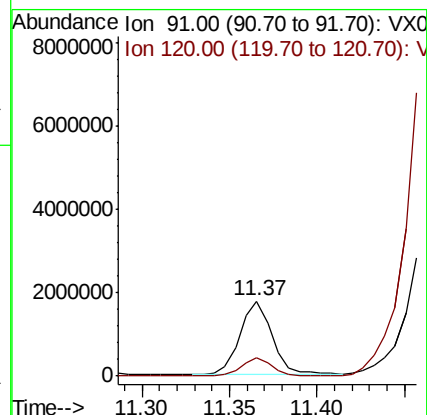
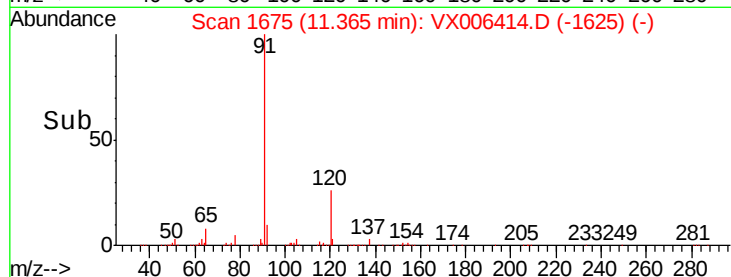
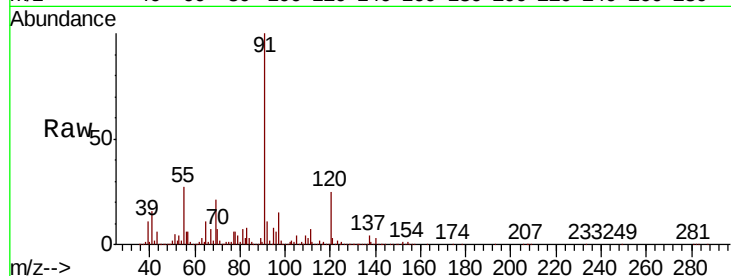
Ion Ratio Lower Upper

91 100

120 23.6 12.7 38.0

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#80

1,3,5-Trimethylbenzene

Concen: 126.414 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. 0.01 min

Lab File: VX006414.D

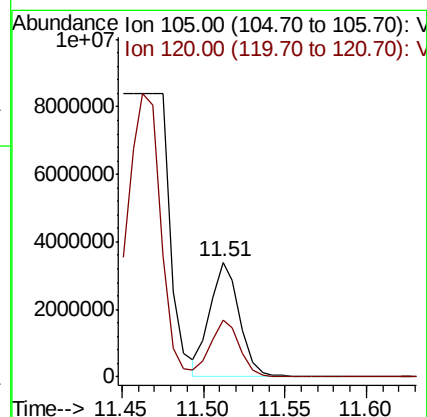
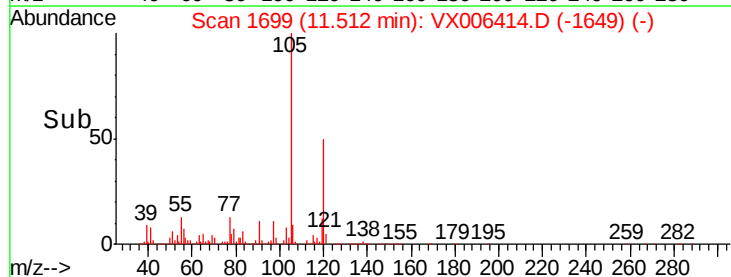
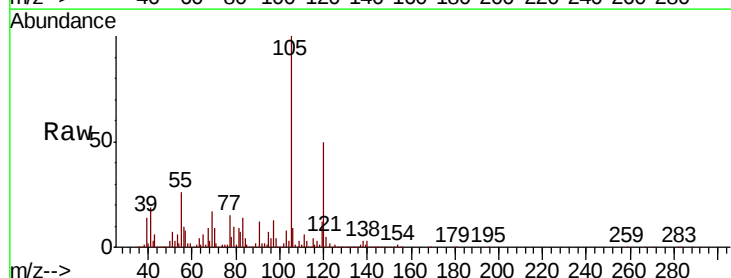
Acq: 11 Dec 2018 12:24

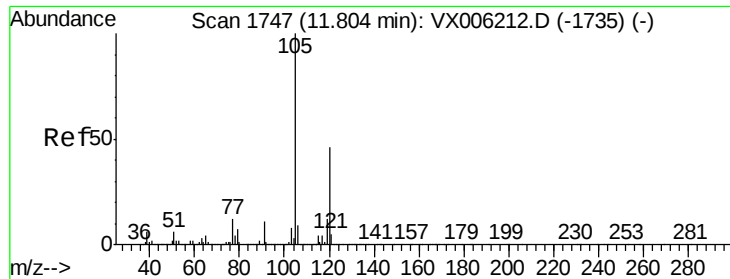
Tgt Ion: 105 Resp: 4250780

Ion Ratio Lower Upper

105 100

120 49.6 25.4 76.0





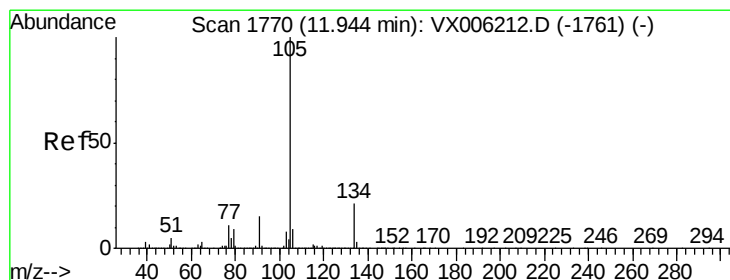
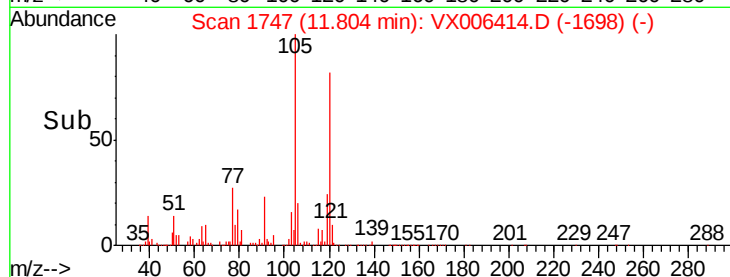
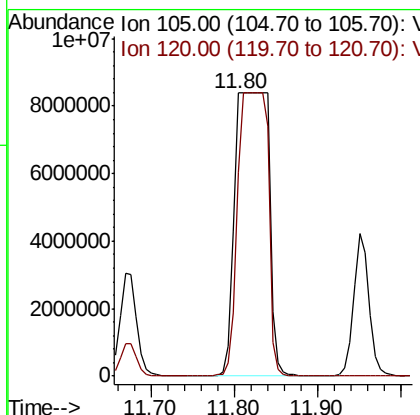
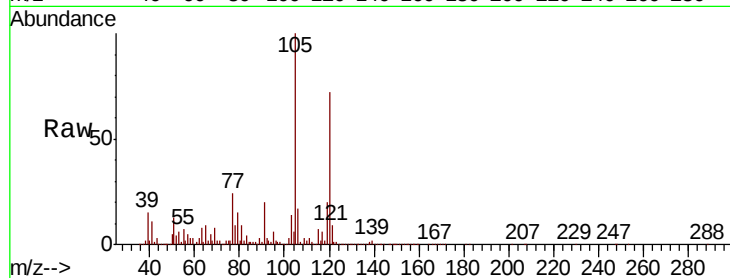
#84
 1,2,4-Trimethylbenzene
 Concen: 703.984 ug/l m
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX006414.D
 Acq: 11 Dec 2018 12:24

Instrument :
 MSVOA_X
 ClientSampleId :
 OILY-SOILME

Tot Ion:105 Resp:24443644
 Ion Ratio Lower Upper
 105 100
 120 5.4 23.4 70.0#

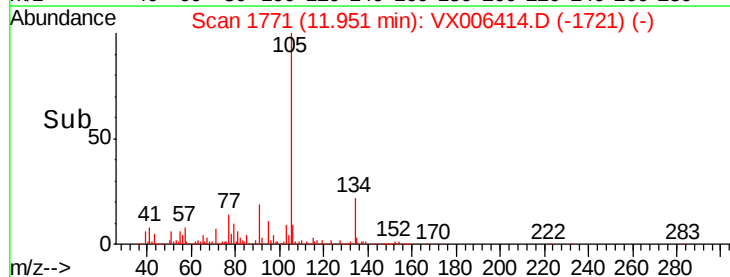
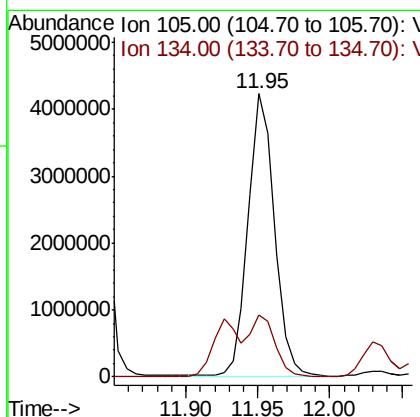
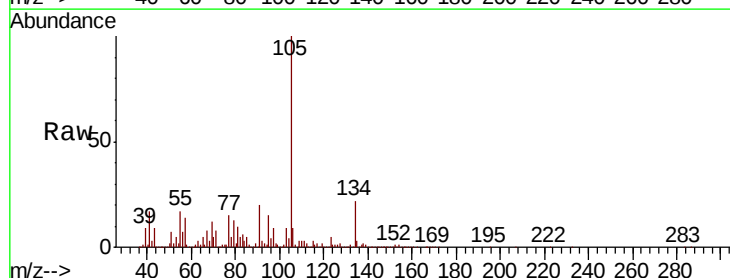
Manual Integrations
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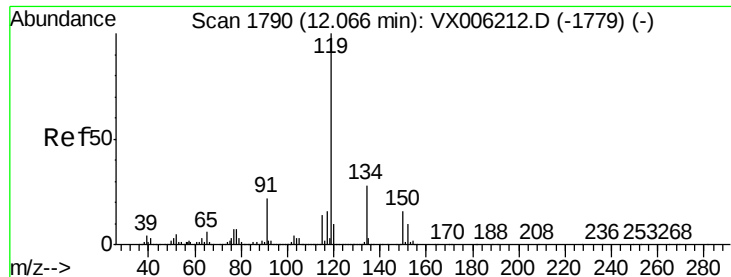
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#85
 sec-Butylbenzene
 Concen: 129.818 ug/l
 RT: 11.95 min Scan# 1771
 Delta R.T. 0.01 min
 Lab File: VX006414.D
 Acq: 11 Dec 2018 12:24

Tgt Ion:105 Resp: 5298632
 Ion Ratio Lower Upper
 105 100
 134 21.1 10.8 32.4





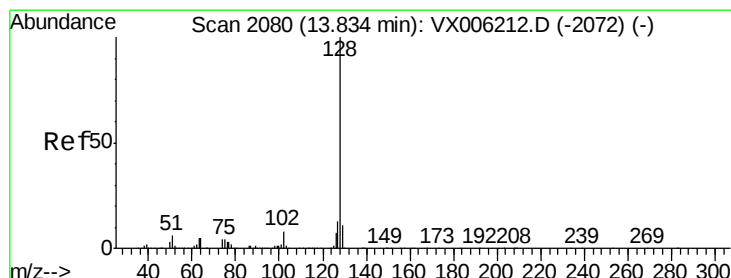
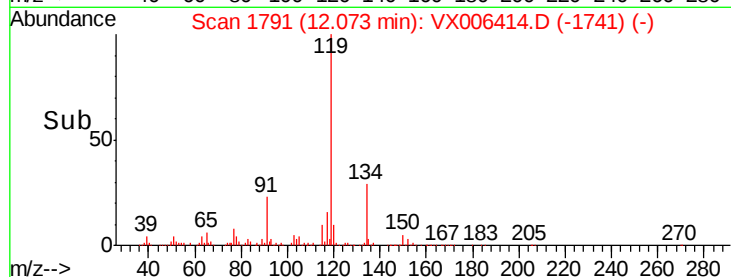
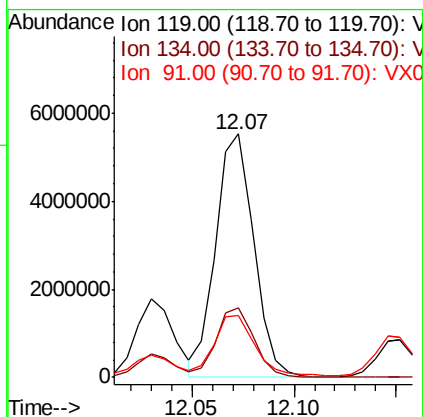
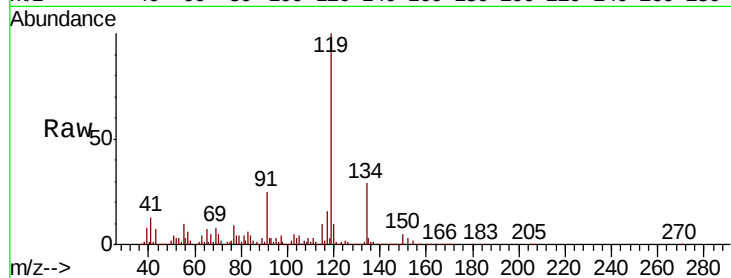
#86
p-Isopropyltoluene
Concen: 195.050 ug/l
RT: 12.07 min Scan# 1791
Delta R.T. 0.01 min
Lab File: VX006414.D
Acq: 11 Dec 2018 12:24

Instrument :
MSVOA_X
ClientSampleId :
OILY-SOILME

Tot Ion	Ratio	Lower	Upper
119	100		
134	28.3	13.9	41.6
91	25.5	11.3	33.8

Manual Integrations
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#95
Naphthalene
Concen: 330.662 ug/l
RT: 13.84 min Scan# 2081
Delta R.T. 0.01 min
Lab File: VX006414.D
Acq: 11 Dec 2018 12:24

Tgt Ion	Ratio	Lower	Upper
128	100		
127	20.1	10.2	15.4#
129	22.2	8.9	13.3#

