

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX112120\
 Data File : VX019506.D
 Acq On : 20 Nov 2020 19:23
 Operator : JC/MD
 Sample : L4772-08DL 20X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FD-111620DL

Manual Integrations
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 11/23/2020 3:51:12 PM

Quant Time: Nov 21 04:41:18 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112120W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 21 01:57:45 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	280445	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	452782	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	398196	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	179991	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	169304	46.56	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	93.12%
35) Dibromofluoromethane	5.46	113	134101	47.18	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	94.36%
50) Toluene-d8	8.70	98	538588	48.77	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	97.54%
62) 4-Bromofluorobenzene	11.12	95	187746	47.25	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	94.50%

Target Compounds

	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.04	59	1875m	2.725	ug/l	
39) Methylcyclohexane	7.44	83	6566	1.328	ug/l	96
67) Ethyl Benzene	10.23	91	61899	4.316	ug/l	100
68) m/p-Xylenes	10.34	106	51996	9.731	ug/l	99
69) o-Xylene	10.68	106	6346	1.242	ug/l	88
73) Isopropylbenzene	11.00	105	219788	17.652	ug/l	99
78) n-propylbenzene	11.34	91	446477	31.257	ug/l	99
80) 1,3,5-Trimethylbenzene	11.49	105	101574	9.724	ug/l	100
83) tert-Butylbenzene	11.76	119	34184	3.383	ug/l	89
84) 1,2,4-Trimethylbenzene	11.79	105	1628419	154.082	ug/l	98
85) sec-Butylbenzene	11.93	105	206830	17.205	ug/l #	76
86) p-Isopropyltoluene	12.05	119	97594	8.941	ug/l	99
89) n-Butylbenzene	12.37	91	136673	13.851	ug/l #	72
95) Naphthalene	13.82	128	6065	2.615	ug/l #	92

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

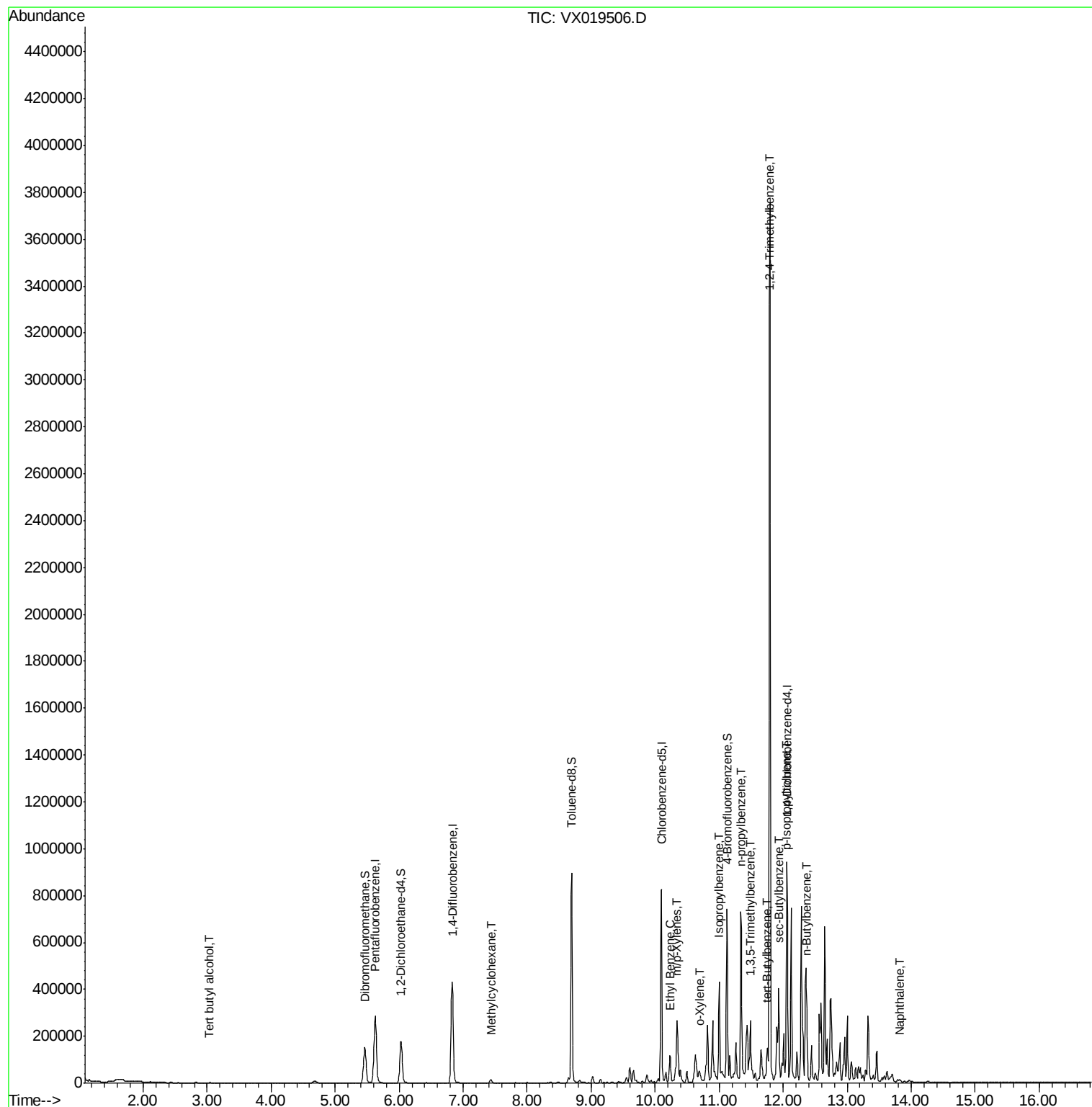
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX112120\
Data File : VX019506.D
Acq On : 20 Nov 2020 19:23
Operator : JC/MD
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Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 21 Sample Multiplier: 1

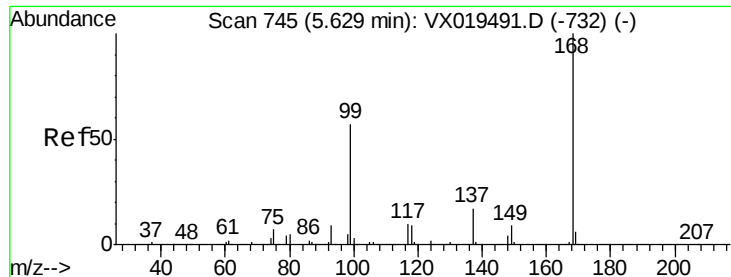
Instrument :
MSVOA_X
ClientSampleId :
FD-111620DL

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Quant Time: Nov 21 04:41:18 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X112120W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 21 01:57:45 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.00 min

Lab File: VX019506.D

Acq: 20 Nov 2020 19:23

Instrument :

MSVOA_X

ClientSampleId :

FD-111620DL

Tot Ion:168 Resp: 280445

Ion Ratio Lower Upper

168 100

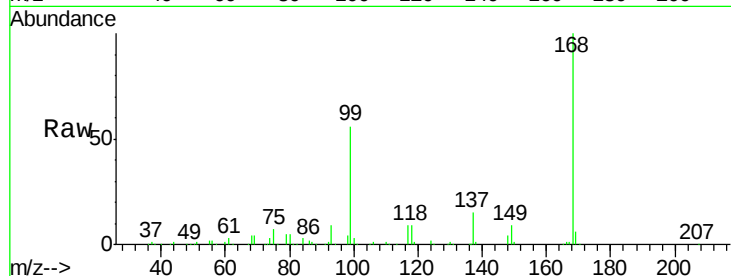
99 56.2 45.8 68.6

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

100000

80000

60000

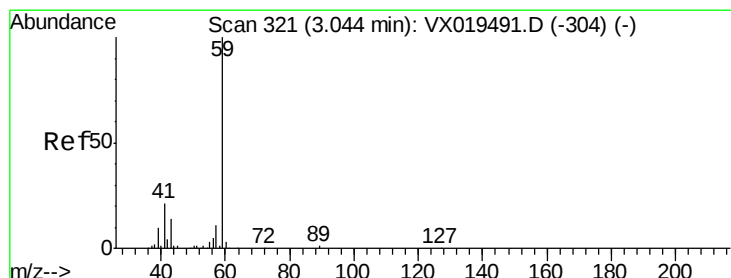
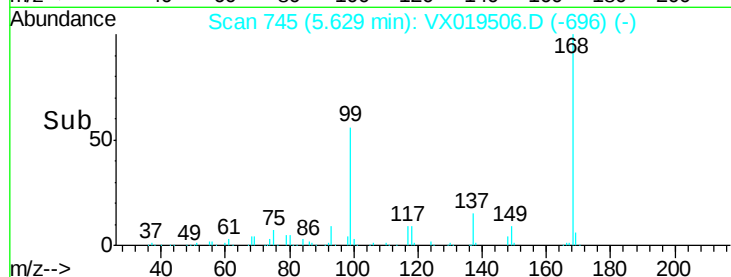
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#11

Tert butyl alcohol

Concen: 2.725 ug/l m

RT: 3.04 min Scan# 320

Delta R.T. -0.01 min

Lab File: VX019506.D

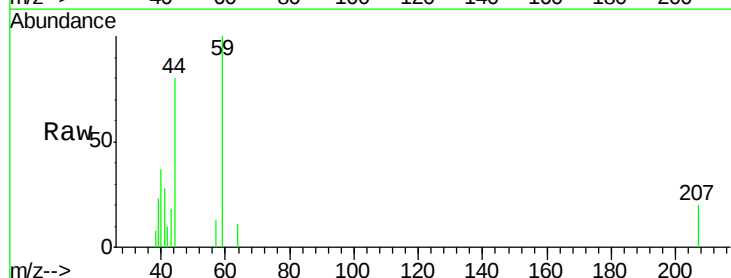
Acq: 20 Nov 2020 19:23

Tgt Ion: 59 Resp: 1875

Ion Ratio Lower Upper

59 100

57 9.7 7.9 11.9



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

3.04

800

600

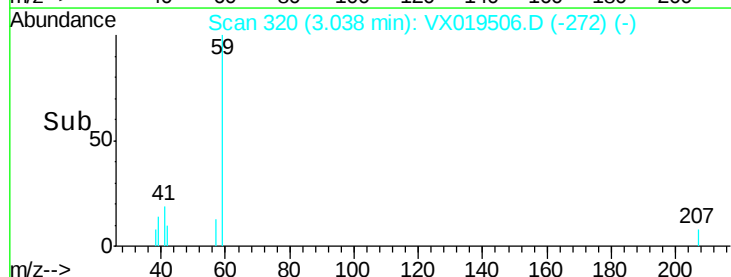
400

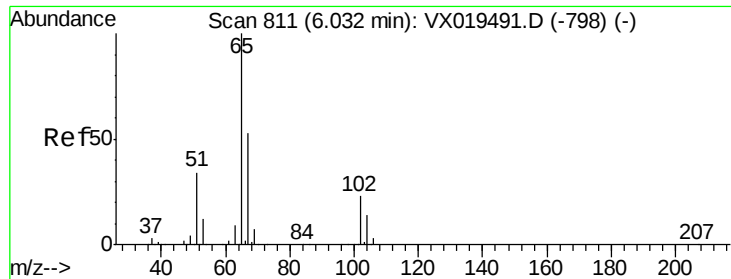
200

0

Time-->

2.95 3.00 3.05 3.10





#33

1,2-Dichloroethane-d4

Concen: 46.561 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX019506.D

Acq: 20 Nov 2020 19:23

Instrument :

MSVOA_X

ClientSampleId :

FD-111620DL

Tot Ion: 65 Resp: 169304

Ion Ratio Lower Upper

65 100

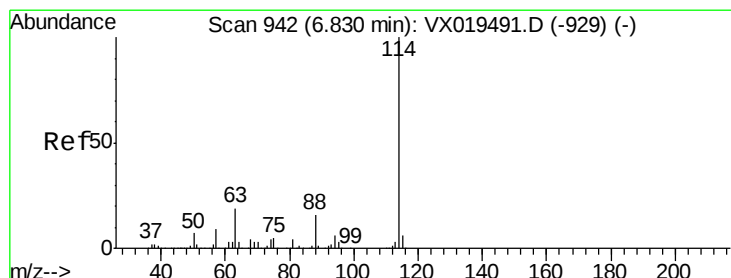
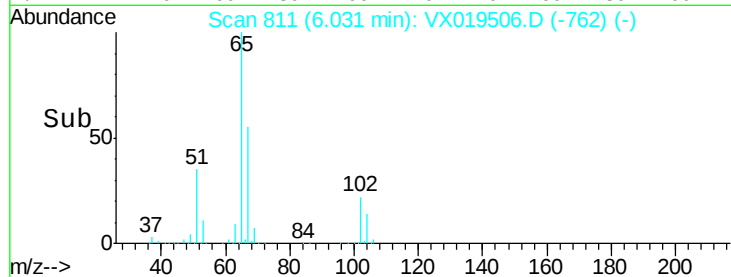
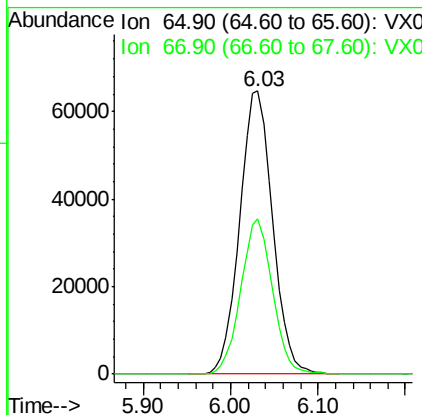
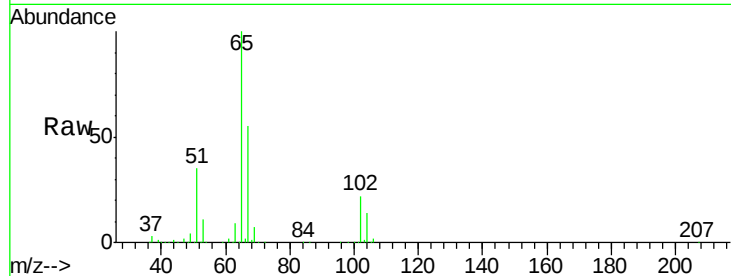
67 53.0 0.0 105.0

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. -0.00 min

Lab File: VX019506.D

Acq: 20 Nov 2020 19:23

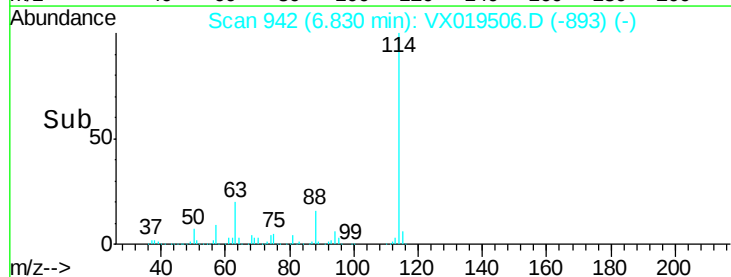
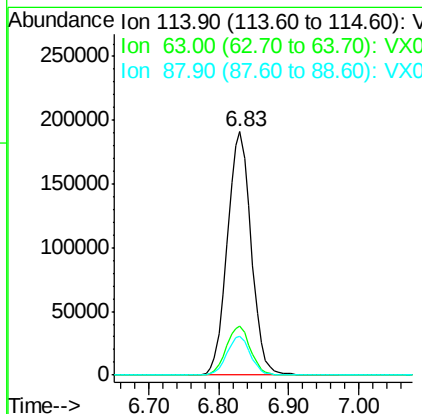
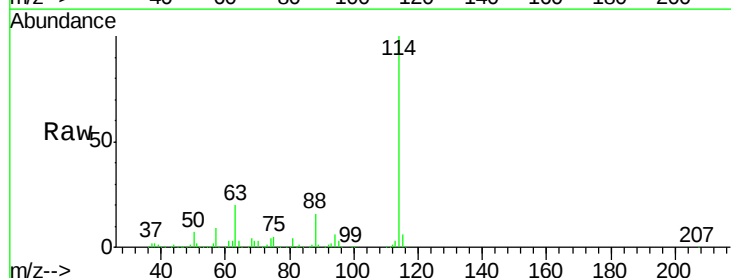
Tgt Ion: 114 Resp: 452782

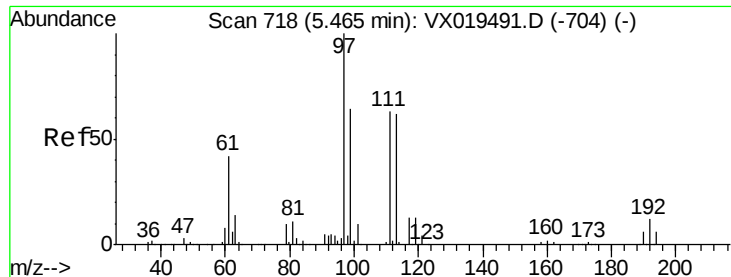
Ion Ratio Lower Upper

114 100

63 20.3 0.0 38.8

88 16.1 0.0 31.6





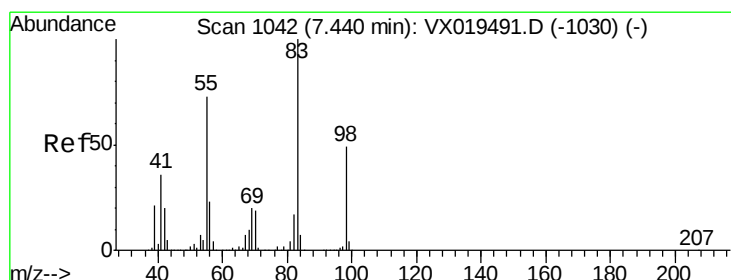
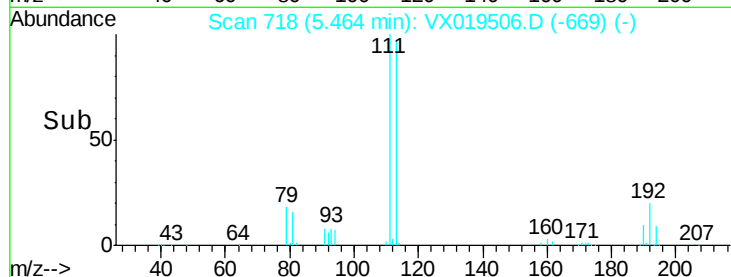
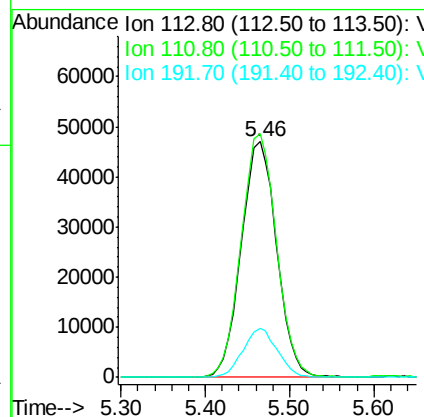
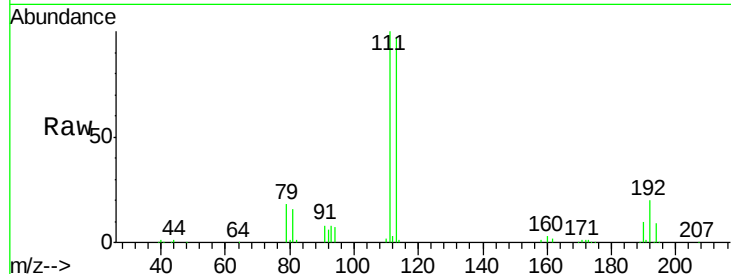
#35
Dibromofluoromethane
Concen: 47.184 ug/l
RT: 5.46 min Scan# 718
Delta R.T. -0.00 min
Lab File: VX019506.D
Acq: 20 Nov 2020 19:23

Instrument :
MSVOA_X
ClientSampleId :
FD-111620DL

Tot Ion	Ratio	Resp	Lower	Upper
113	100	134101		
111	103.3	81.5	122.3	
192	20.2	16.2	24.2	

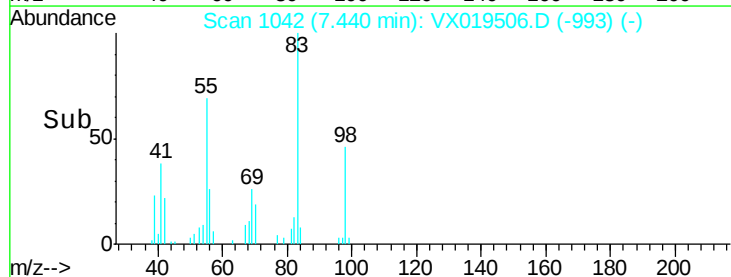
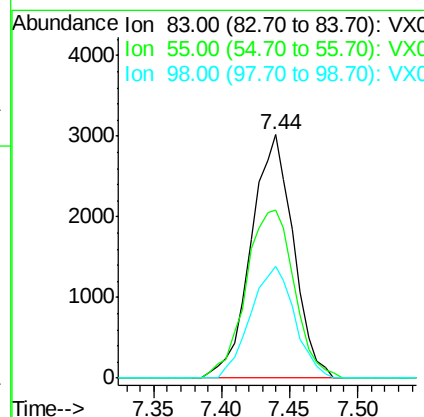
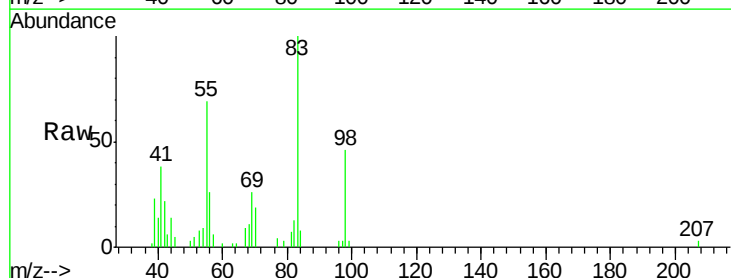
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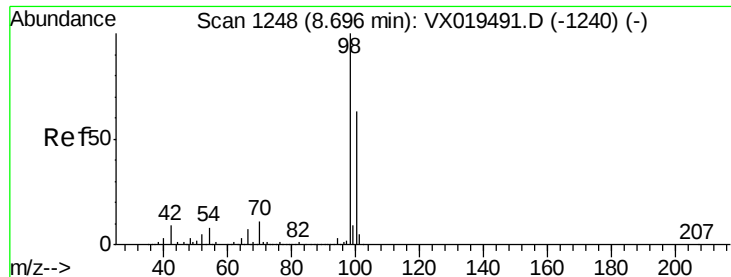
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#39
Methylcyclohexane
Concen: 1.328 ug/l
RT: 7.44 min Scan# 1042
Delta R.T. -0.00 min
Lab File: VX019506.D
Acq: 20 Nov 2020 19:23

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	6566		
55	69.2	58.3	87.5	
98	45.7	38.9	58.3	





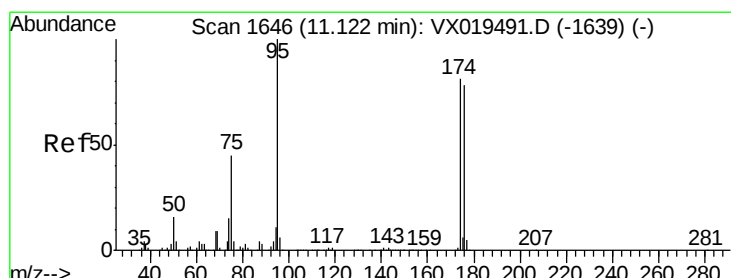
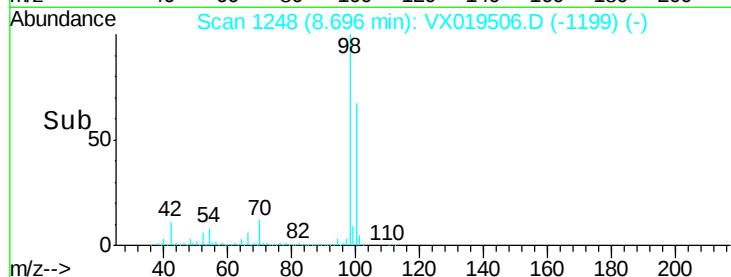
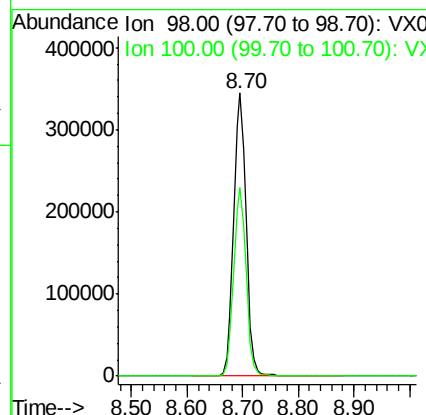
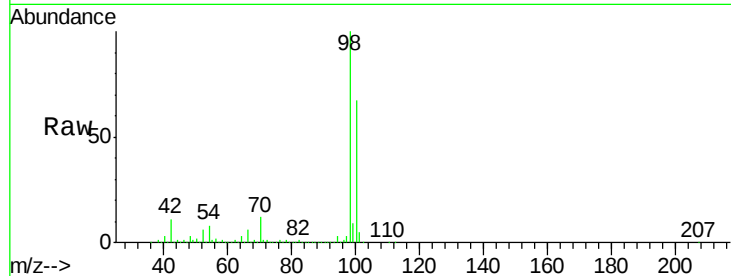
#50
Toluene-d8
Concen: 48.767 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX019506.D
Acq: 20 Nov 2020 19:23

Instrument :
MSVOA_X
ClientSampleId :
FD-111620DL

Tot Ion	98	Resp	538588
Ion Ratio	100	Lower	Upper
98	100		
100	66.1	52.4	78.6

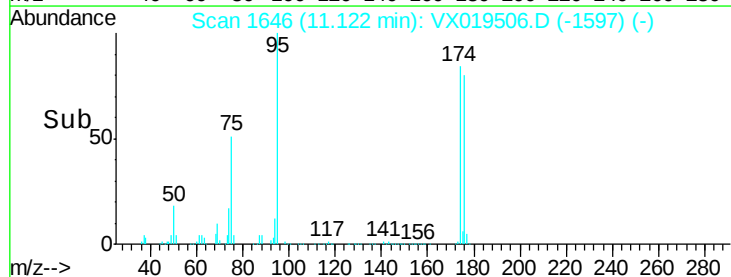
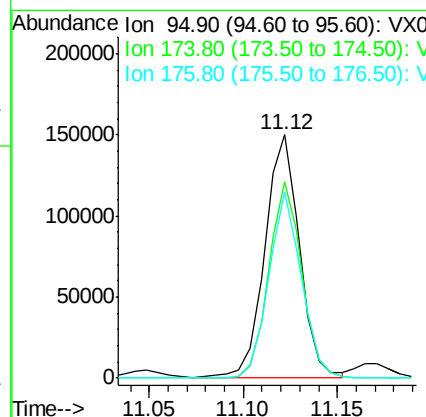
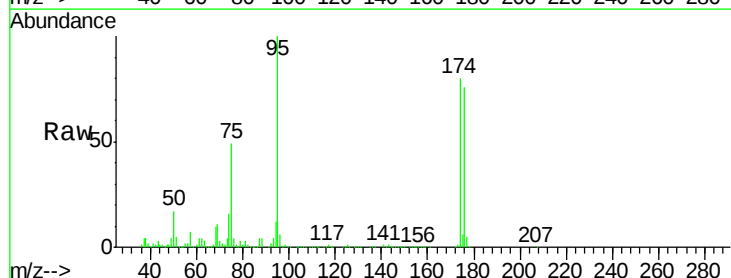
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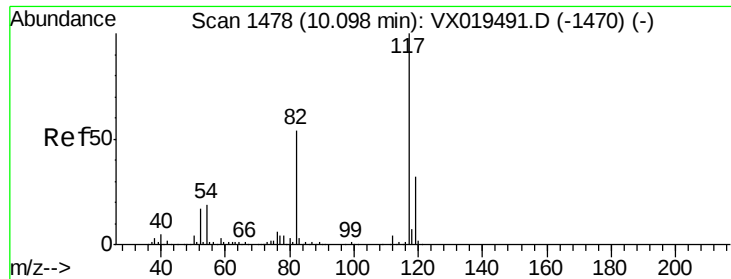
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#62
4-Bromofluorobenzene
Concen: 47.249 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX019506.D
Acq: 20 Nov 2020 19:23

Tgt Ion	95	Resp	187746
Ion Ratio	100	Lower	Upper
95	100		
174	77.8	0.0	156.2
176	73.1	0.0	151.4





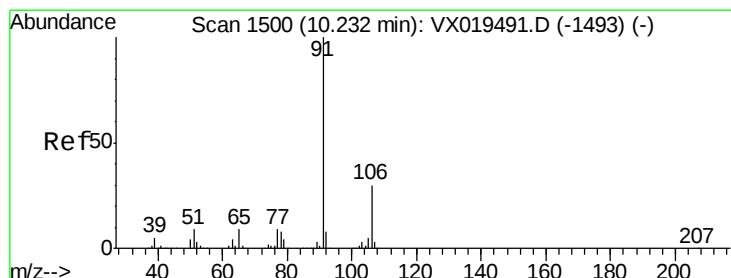
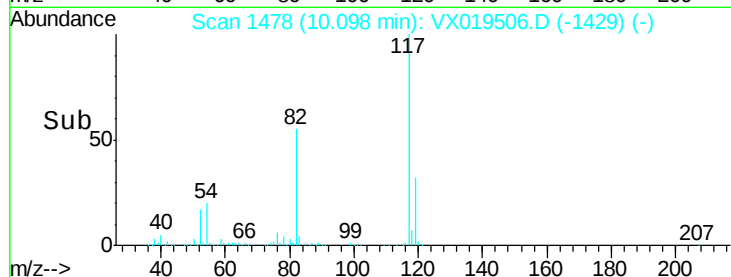
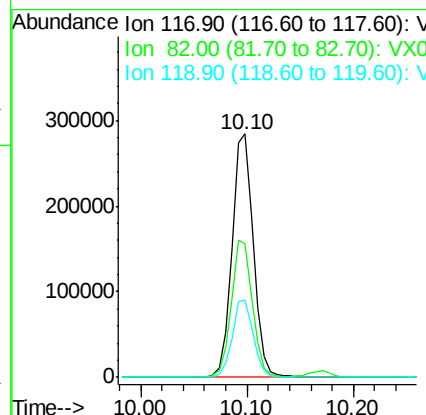
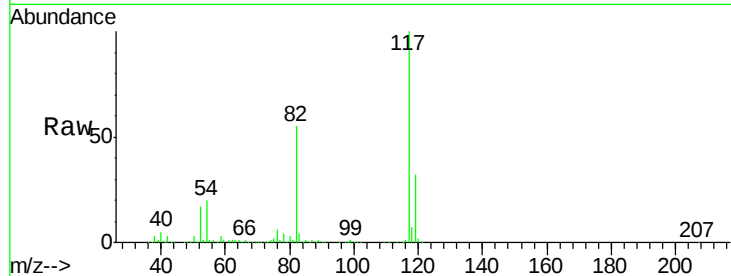
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX019506.D
Acq: 20 Nov 2020 19:23

Instrument :
MSVOA_X
ClientSampleId :
FD-111620DL

Tot Ion	Ratio	Resp	Lower	Upper
117	100	398196		
82	54.7	43.0	64.4	
119	31.6	25.6	38.4	

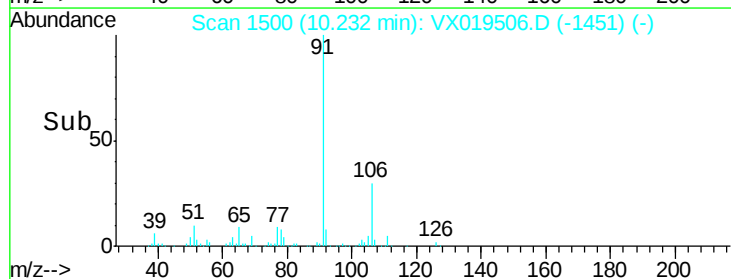
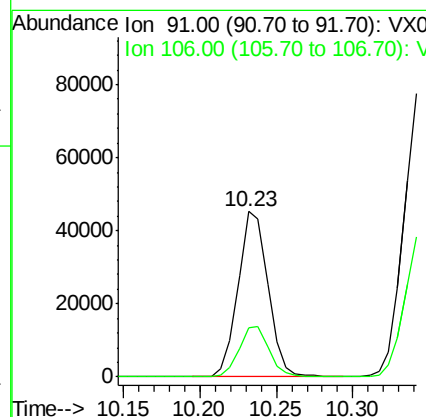
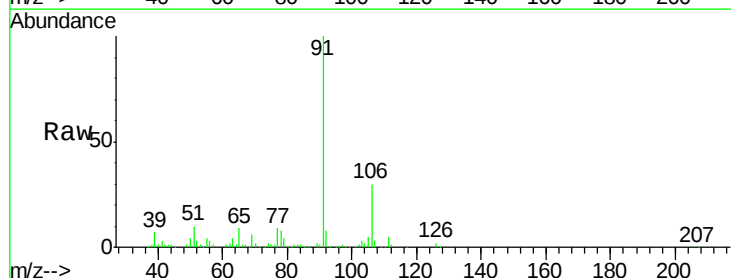
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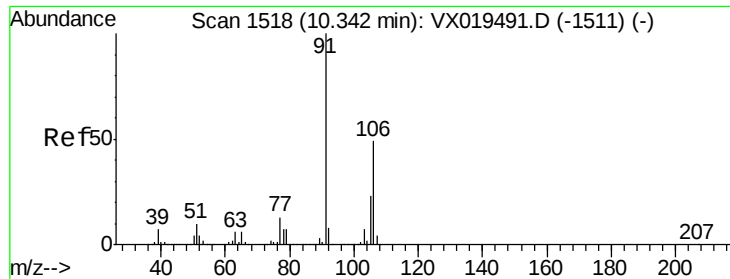
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#67
Ethyl Benzene
Concen: 4.316 ug/l
RT: 10.23 min Scan# 1500
Delta R.T. -0.00 min
Lab File: VX019506.D
Acq: 20 Nov 2020 19:23

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	61899		
106	29.9	24.0	36.0	





#68

m/p-Xylenes

Concen: 9.731 ug/l

RT: 10.34 min Scan# 1518

Delta R.T. -0.00 min

Lab File: VX019506.D

Acq: 20 Nov 2020 19:23

Instrument :

MSVOA_X

ClientSampleId :

FD-111620DL

Tot Ion:106 Resp: 51996

Ion Ratio Lower Upper

106 100

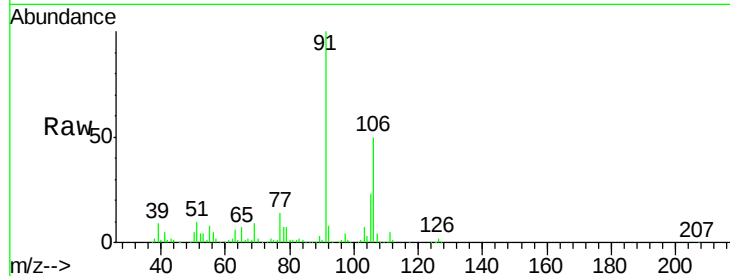
91 205.6 163.3 244.9

Manual Integrations

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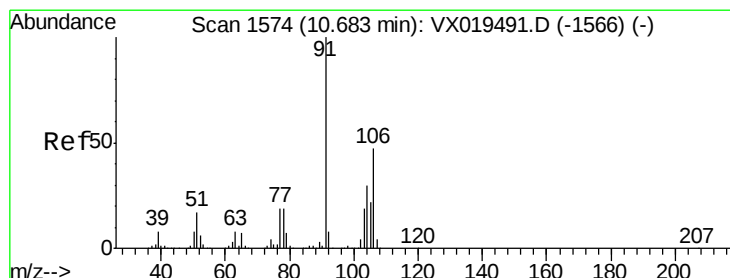
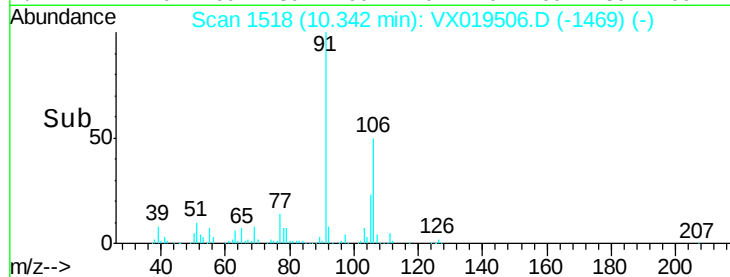
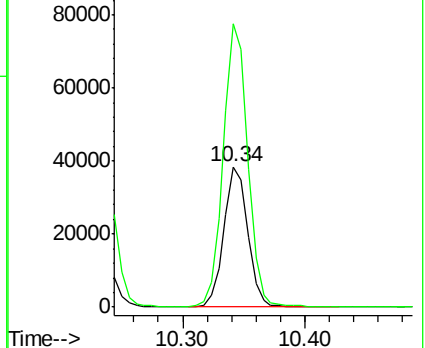
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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#69

o-Xylene

Concen: 1.242 ug/l

RT: 10.68 min Scan# 1574

Delta R.T. -0.00 min

Lab File: VX019506.D

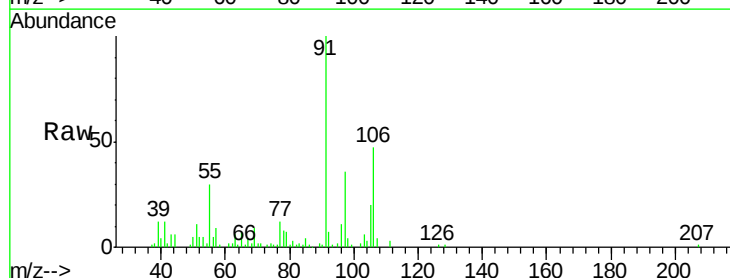
Acq: 20 Nov 2020 19:23

Tgt Ion:106 Resp: 6346

Ion Ratio Lower Upper

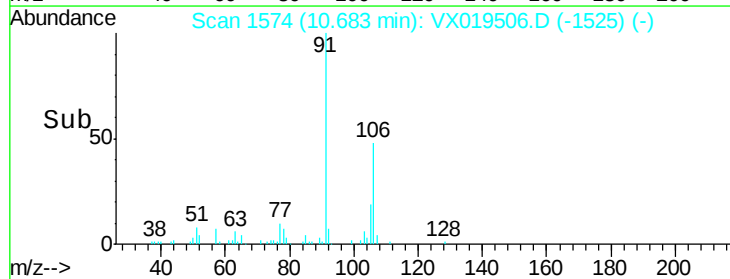
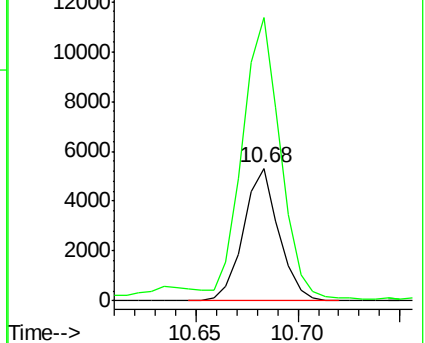
106 100

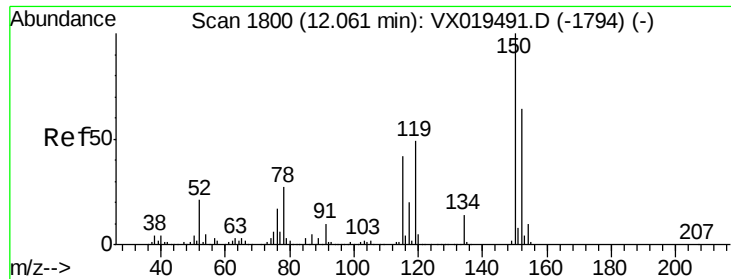
91 234.5 108.0 324.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX019506.D

Acq: 20 Nov 2020 19:23

Instrument :

MSVOA_X

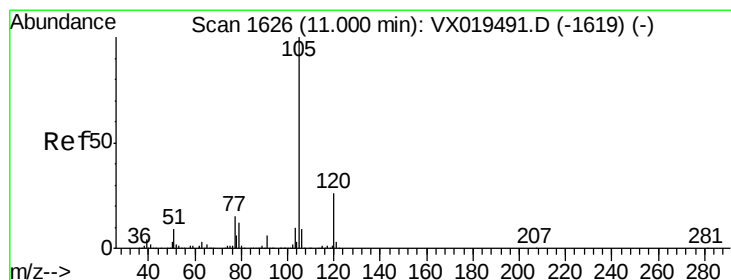
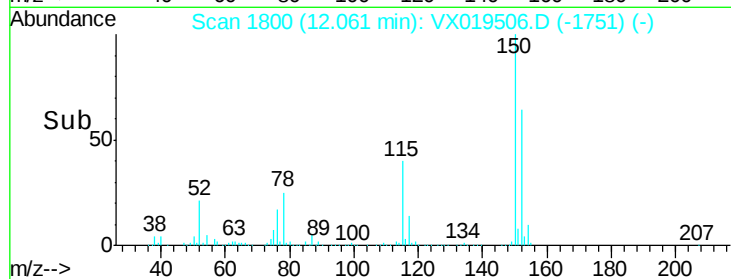
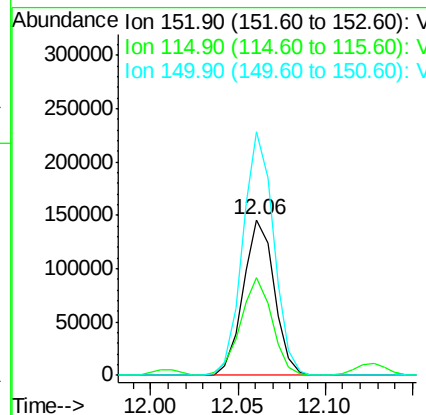
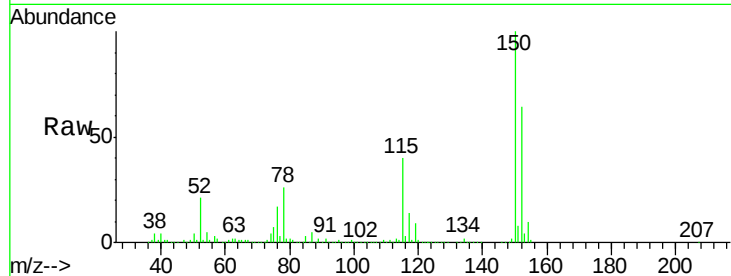
ClientSampleId :

FD-111620DL

Tot Ion:	152	Resp:	179991
Ion Ratio	Lower	Upper	
152	100		
115	64.2	41.8	125.4
150	155.5	0.0	348.2

Manual Integrations
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#73

Isopropylbenzene

Concen: 17.652 ug/l

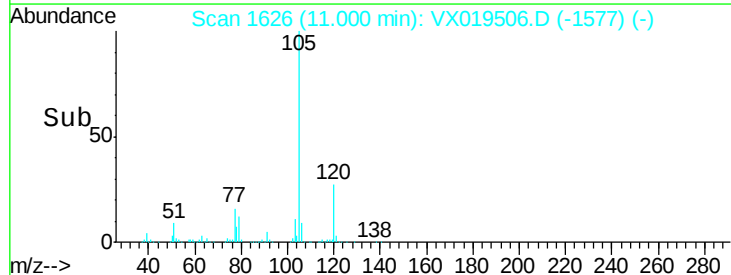
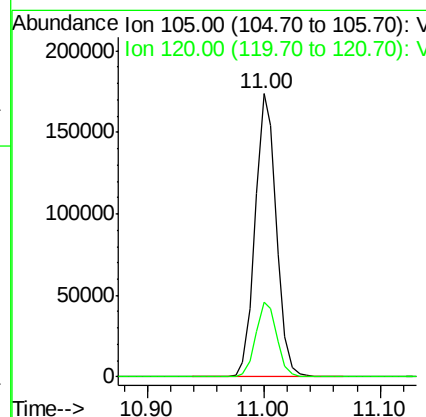
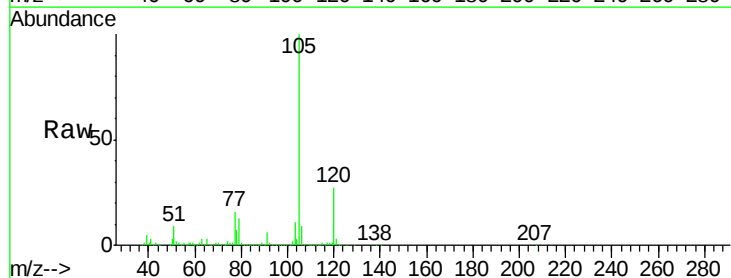
RT: 11.00 min Scan# 1626

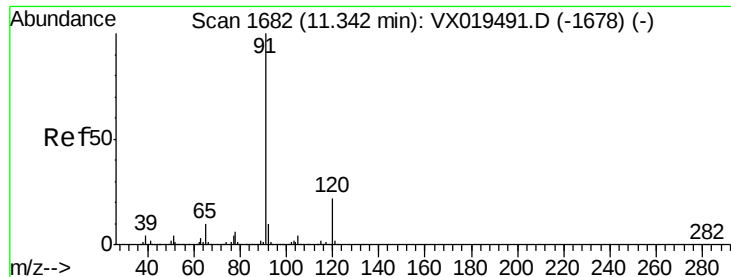
Delta R.T. -0.00 min

Lab File: VX019506.D

Acq: 20 Nov 2020 19:23

Tgt Ion:	105	Resp:	219788
Ion Ratio	Lower	Upper	
105	100		
120	26.3	13.0	39.0





#78

n-propylbenzene

Concen: 31.257 ug/l

RT: 11.34 min Scan# 1682

Delta R.T. -0.00 min

Lab File: VX019506.D

Acq: 20 Nov 2020 19:23

Instrument :

MSVOA_X

ClientSampleId :

FD-111620DL

Tot Ion: 91 Resp: 446477

Ion Ratio Lower Upper

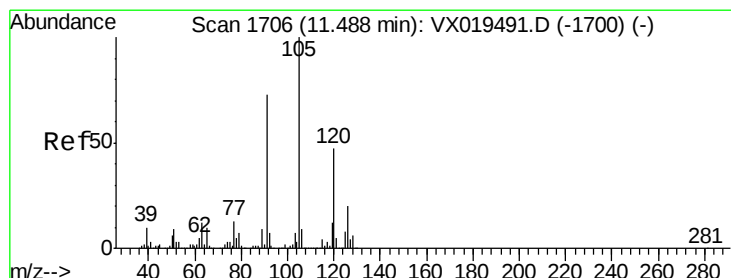
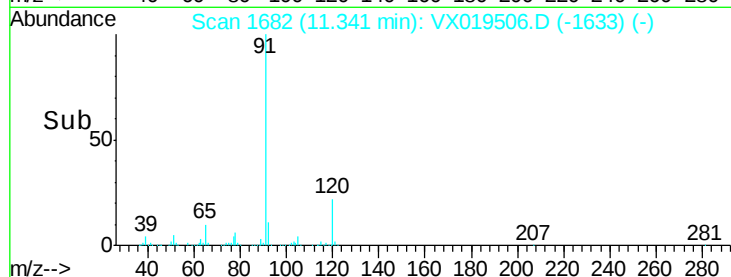
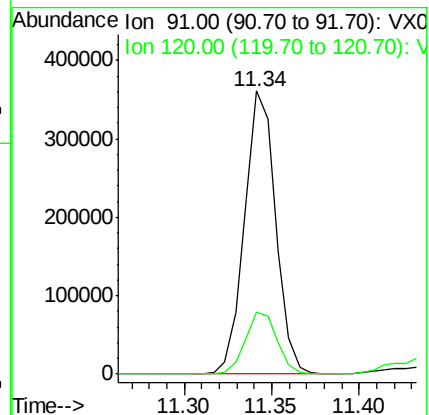
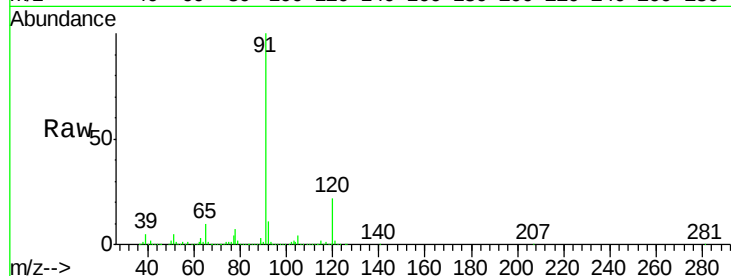
91 100

120 22.3 11.5 34.4

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#80

1,3,5-Trimethylbenzene

Concen: 9.724 ug/l

RT: 11.49 min Scan# 1706

Delta R.T. -0.00 min

Lab File: VX019506.D

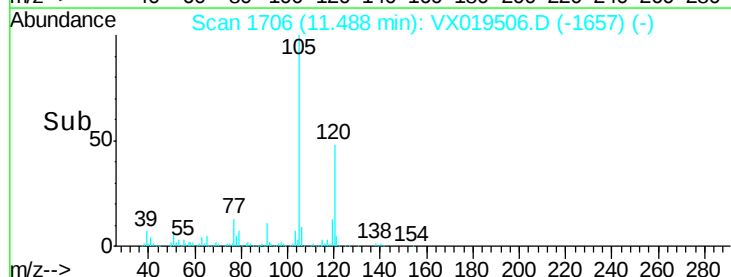
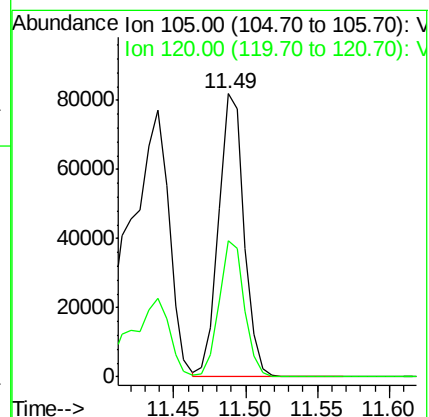
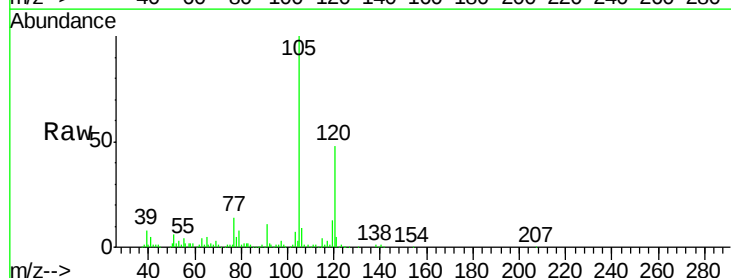
Acq: 20 Nov 2020 19:23

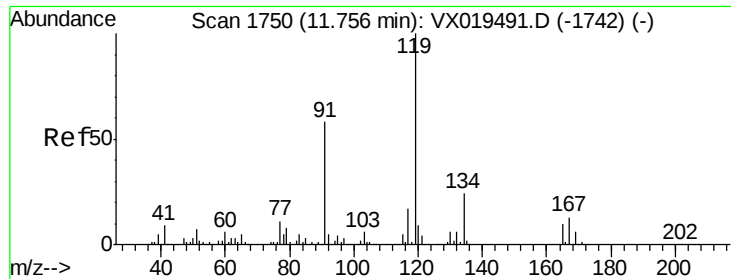
Tgt Ion: 105 Resp: 101574

Ion Ratio Lower Upper

105 100

120 48.0 24.1 72.3





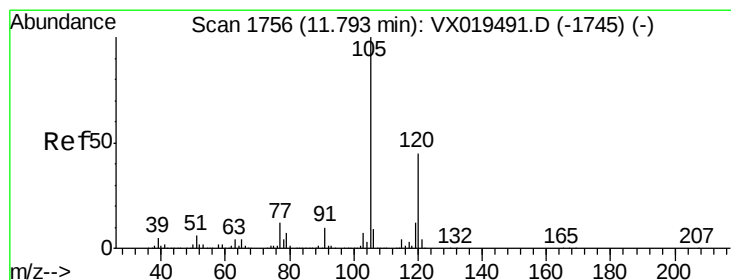
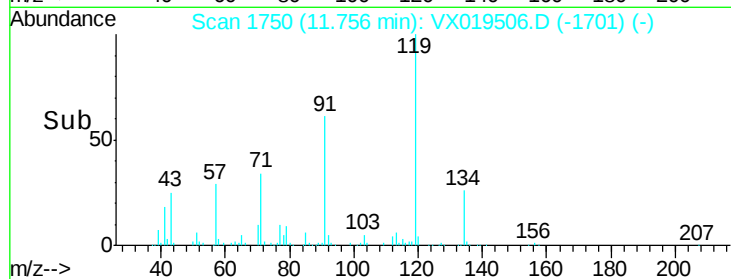
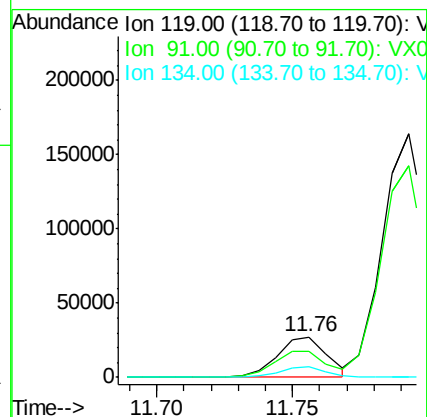
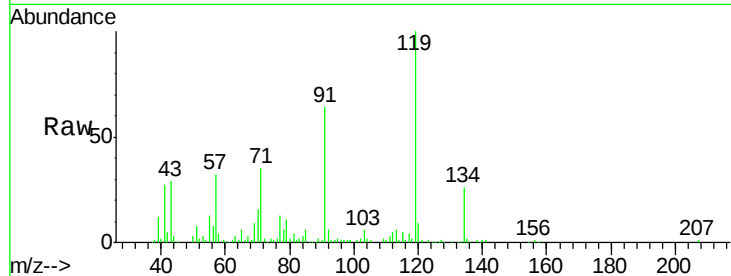
#83
tert-Butylbenzene
Concen: 3.383 ug/l
RT: 11.76 min Scan# 1750
Delta R.T. -0.00 min
Lab File: VX019506.D
Acq: 20 Nov 2020 19:23

Instrument :
MSVOA_X
ClientSampleId :
FD-111620DL

Tot Ion	Ratio	Lower	Upper
119	100		
91	68.2	28.9	86.8
134	25.1	11.7	35.0

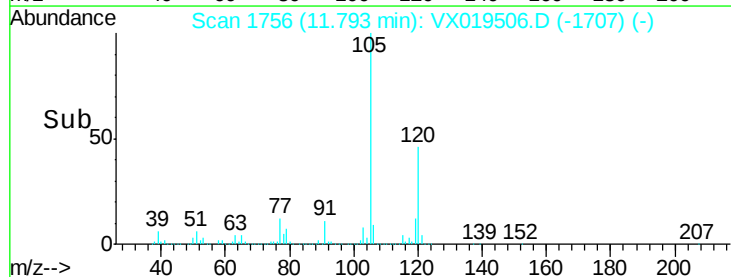
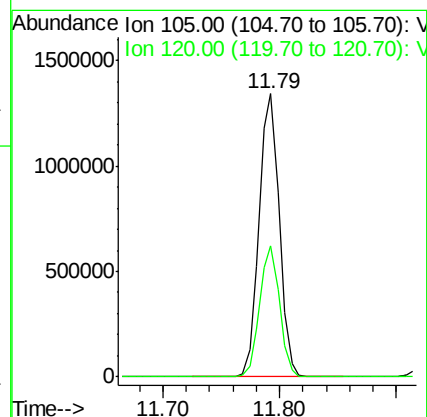
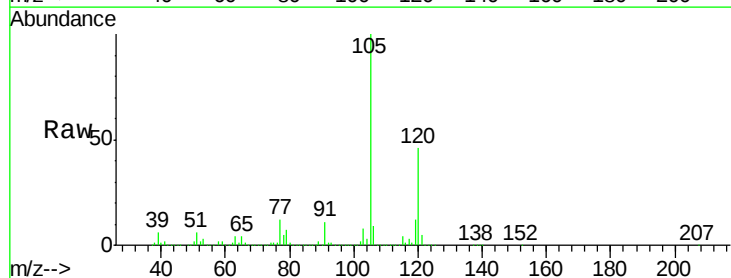
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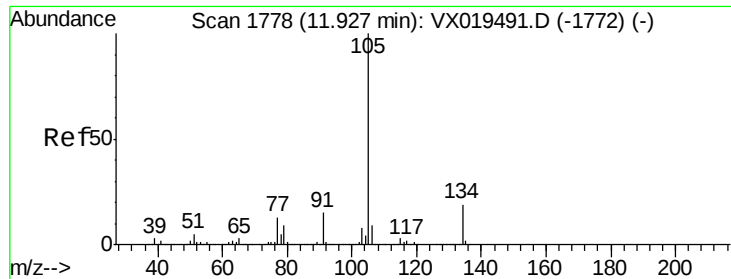
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#84
1,2,4-Trimethylbenzene
Concen: 154.082 ug/l
RT: 11.79 min Scan# 1756
Delta R.T. -0.00 min
Lab File: VX019506.D
Acq: 20 Nov 2020 19:23

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.9	22.2	66.6





#85

sec-Butylbenzene

Concen: 17.205 ug/l

RT: 11.93 min Scan# 1779

Delta R.T. 0.01 min

Lab File: VX019506.D

Acq: 20 Nov 2020 19:23

Instrument :

MSVOA_X

ClientSampleId :

FD-111620DL

Tot Ion:105 Resp: 206830

Ion Ratio Lower Upper

105 100

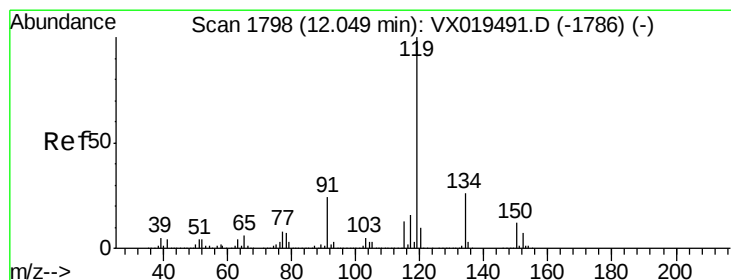
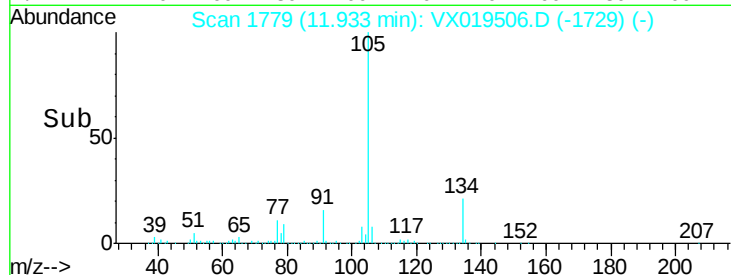
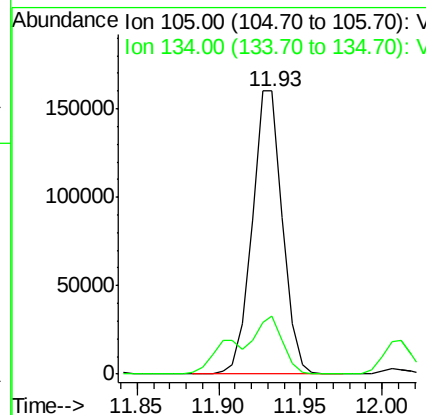
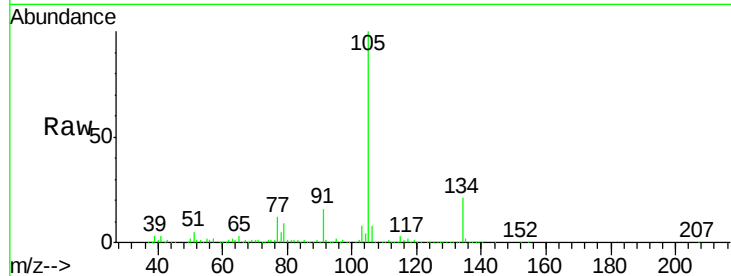
134 31.1 10.1 30.3#

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#86

p-Isopropyltoluene

Concen: 8.941 ug/l

RT: 12.05 min Scan# 1798

Delta R.T. -0.00 min

Lab File: VX019506.D

Acq: 20 Nov 2020 19:23

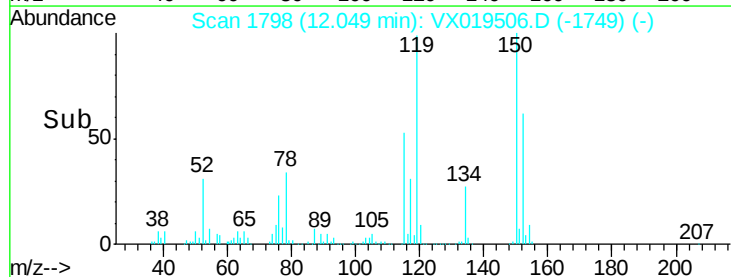
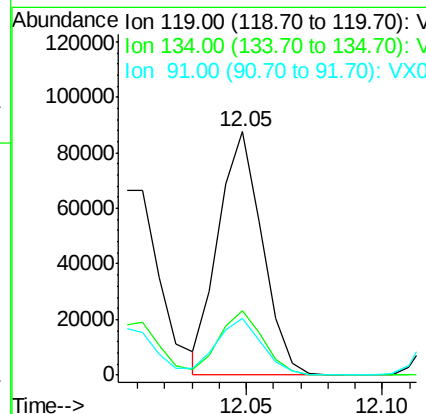
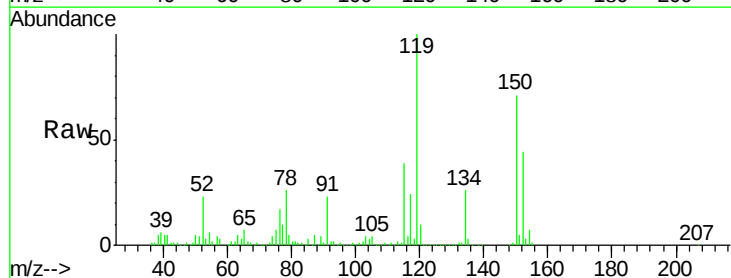
Tgt Ion:119 Resp: 97594

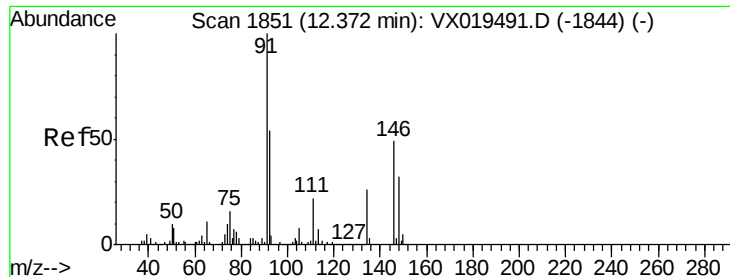
Ion Ratio Lower Upper

119 100

134 26.5 13.1 39.3

91 24.6 11.8 35.4





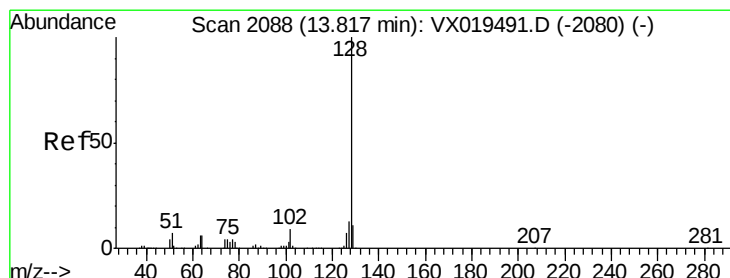
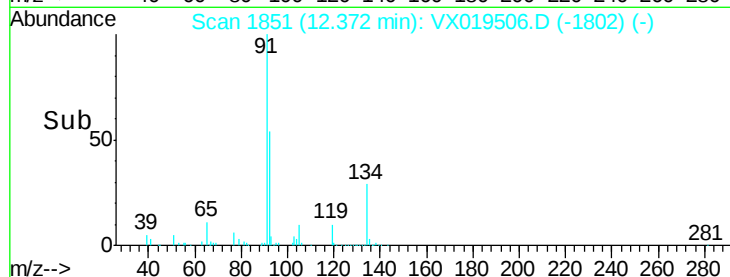
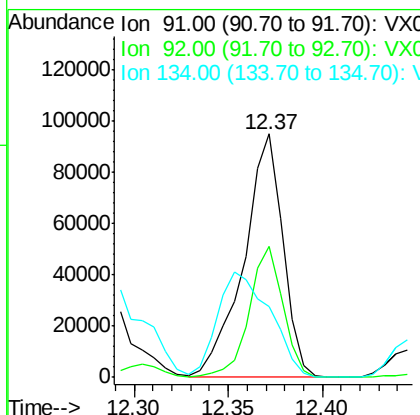
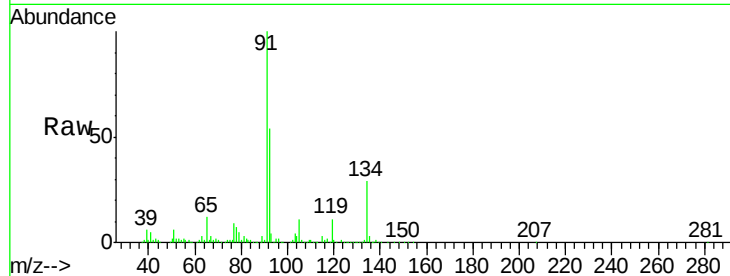
#89
n-Butylbenzene
Concen: 13.851 ug/l
RT: 12.37 min Scan# 1851
Delta R.T. -0.00 min
Lab File: VX019506.D
Acq: 20 Nov 2020 19:23

Instrument :
MSVOA_X
ClientSampleId :
FD-111620DL

Tot Ion	Ratio	Resp	Lower	Upper
91	100	136673		
92	46.2	26.9	80.6	
134	58.1	12.9	38.6	

Manual Integrations
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#95
Naphthalene
Concen: 2.615 ug/l
RT: 13.82 min Scan# 2088
Delta R.T. 0.00 min
Lab File: VX019506.D
Acq: 20 Nov 2020 19:23

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	6065		
127	17.4	10.3	15.5	
129	12.1	8.7	13.1	

