

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120519\
 Data File : VD064440.D
 Acq On : 05 Dec 2019 17:02
 Operator : VA/SY
 Sample : K6164-01
 Misc : 6.34G/5.00ml/MSVOA D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 BOX-2512

Quant Time: Dec 06 08:29:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D112719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 29 07:18:03 2019
 Response via : Initial Calibration

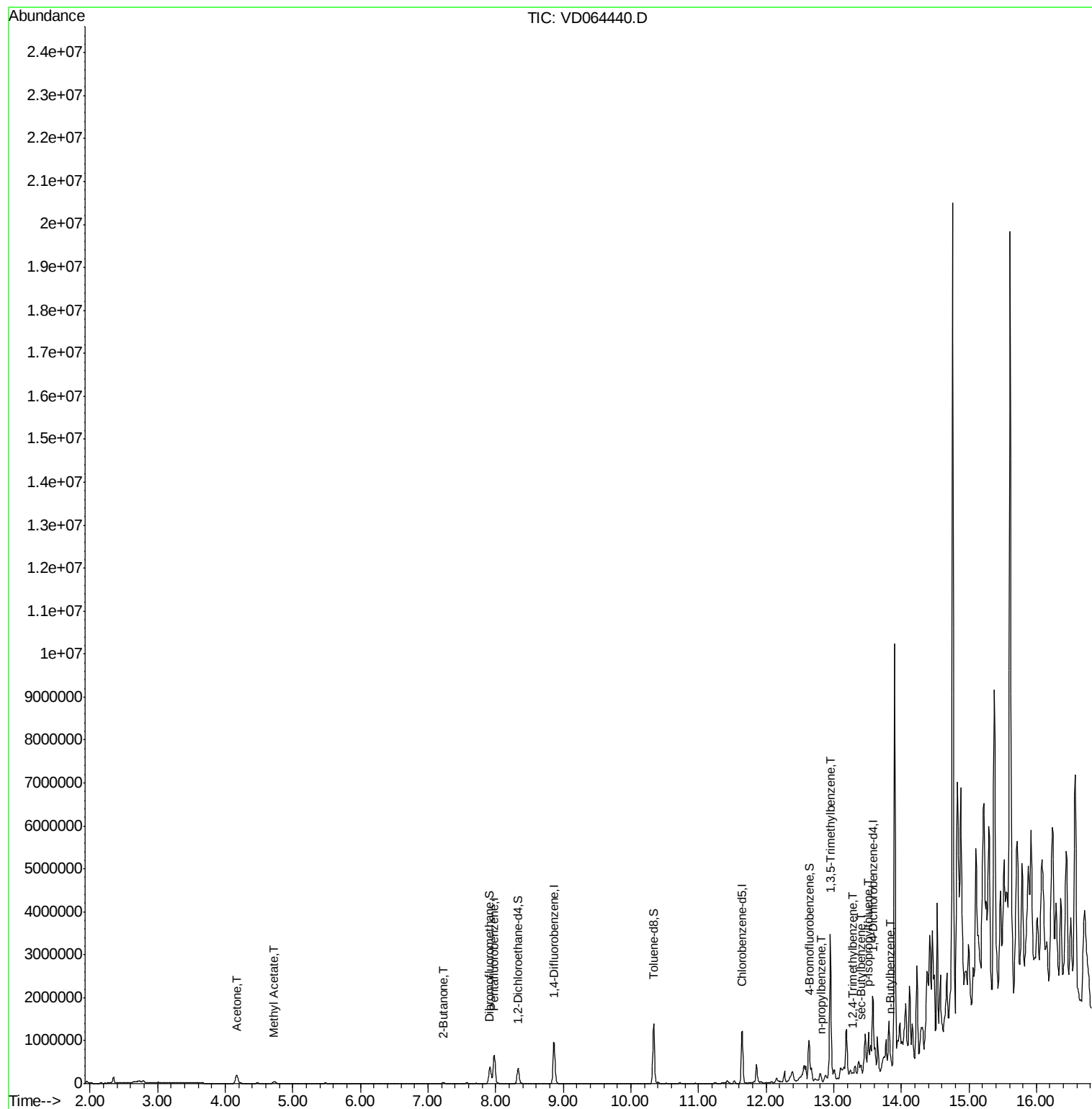
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	528622	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	844484	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	716428	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	240135	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	277565	58.01	ug/l	0.00
Spiked Amount 50.000			Recovery	=	116.02%	
35) Dibromofluoromethane	7.91	113	274688	51.63	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.26%	
50) Toluene-d8	10.34	98	956944	47.75	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.50%	
62) 4-Bromofluorobenzene	12.64	95	278721	43.27	ug/l	0.00
Spiked Amount 50.000			Recovery	=	86.54%	
Target Compounds						
16) Acetone	4.17	43	339654	351.277	ug/l	96
18) Methyl Acetate	4.72	43	74026	26.247	ug/l	97
25) 2-Butanone	7.22	43	14359	10.501	ug/l #	90
78) n-propylbenzene	12.83	91	21441	1.076	ug/l	95
80) 1,3,5-Trimethylbenzene	12.96	105	93661	6.636	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	17174	1.210	ug/l	93
85) sec-Butylbenzene	13.41	105	96082	5.705	ug/l	90
86) p-Isopropyltoluene	13.52	119	112937	7.103	ug/l	98
89) n-Butylbenzene	13.85	91	70694	4.896	ug/l #	55

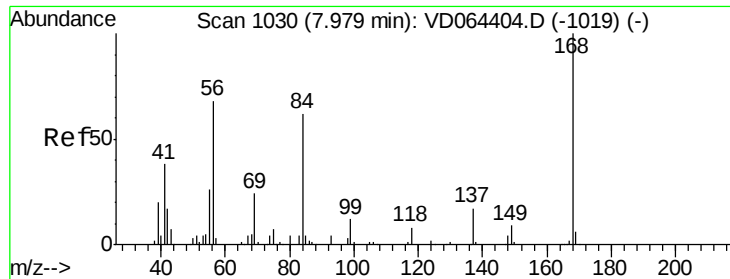
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD120519\
Data File : VD064440.D
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ALS Vial : 15 Sample Multiplier: 1

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Quant Time: Dec 06 08:29:53 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D112719S.M
Quant Title : SW846 8260
QLast Update : Fri Nov 29 07:18:03 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VD064440.D

Acq: 05 Dec 2019 17:02

Instrument :

MSVOA_D

ClientSampleId :

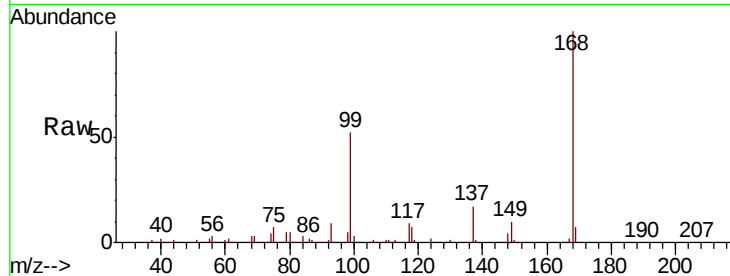
BOX-2512

Tot Ion:168 Resp: 528622

Ion Ratio Lower Upper

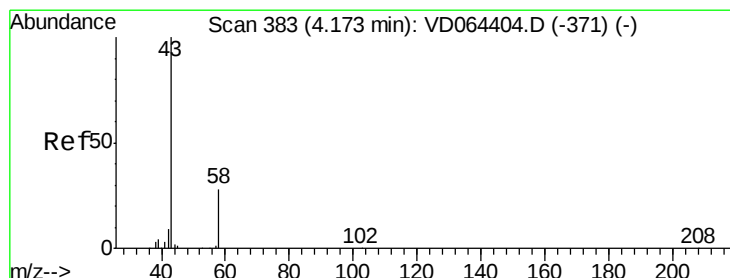
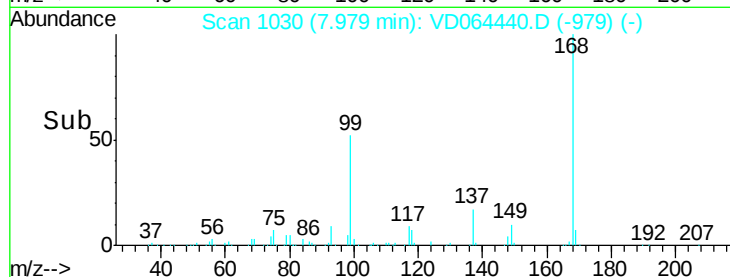
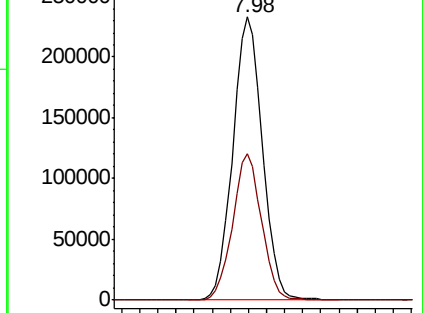
168 100

99 51.9 40.7 61.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#16

Acetone

Concen: 351.277 ug/l

RT: 4.17 min Scan# 382

Delta R.T. -0.01 min

Lab File: VD064440.D

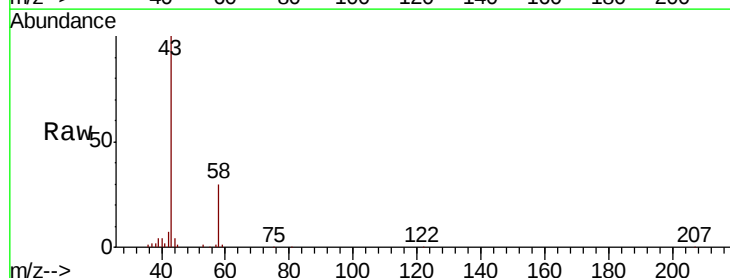
Acq: 05 Dec 2019 17:02

Tgt Ion: 43 Resp: 339654

Ion Ratio Lower Upper

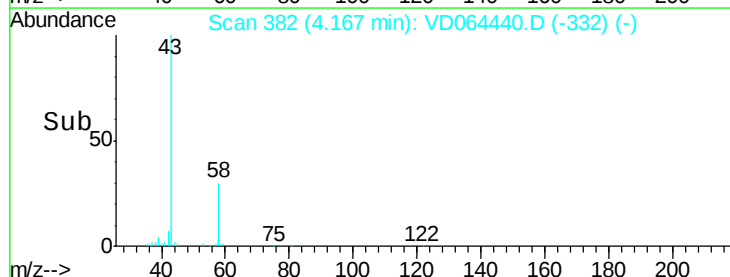
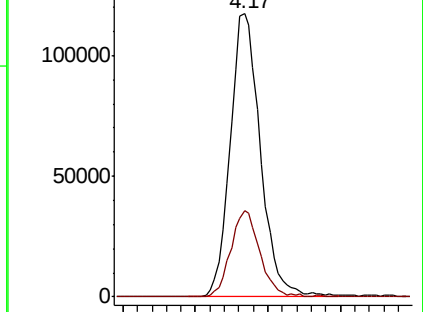
43 100

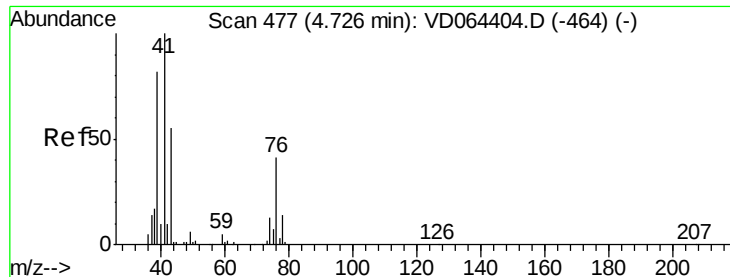
58 30.4 22.6 33.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

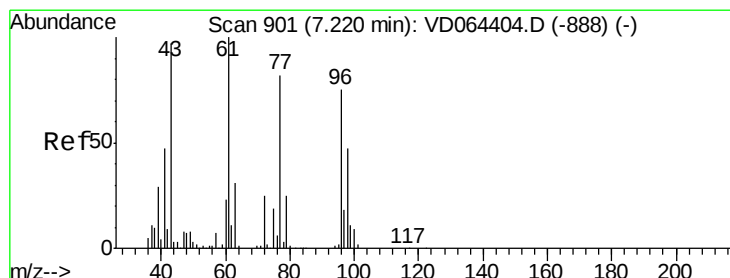
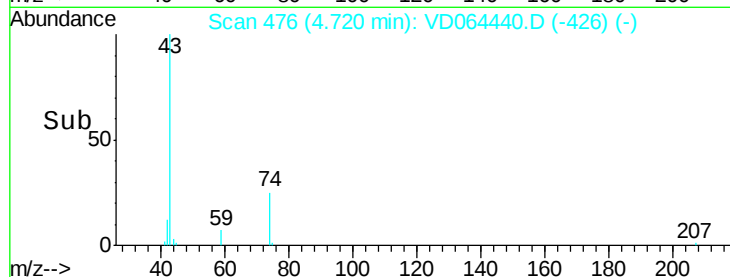
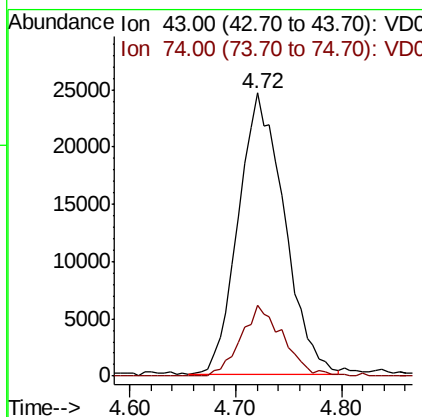
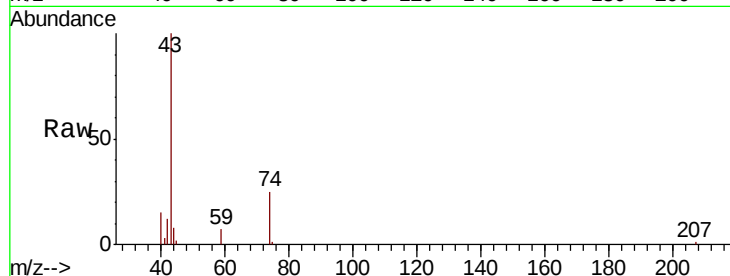




#18
Methvl Acetate
Concen: 26.247 ug/l
RT: 4.72 min Scan# 476
Delta R.T. -0.01 min
Lab File: VD064440.D
Acq: 05 Dec 2019 17:02

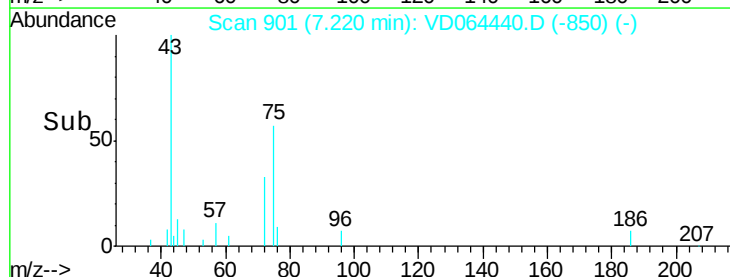
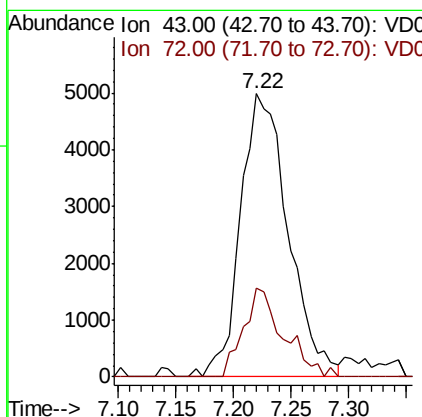
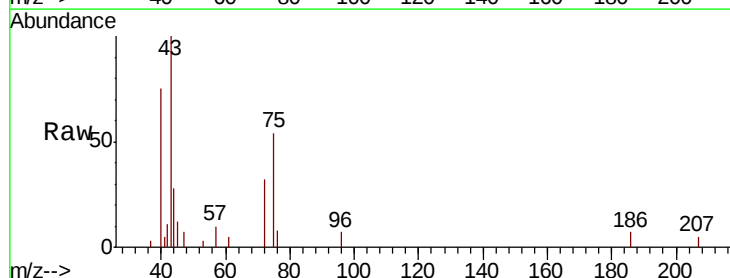
Instrument :
MSVOA_D
ClientSampleId :
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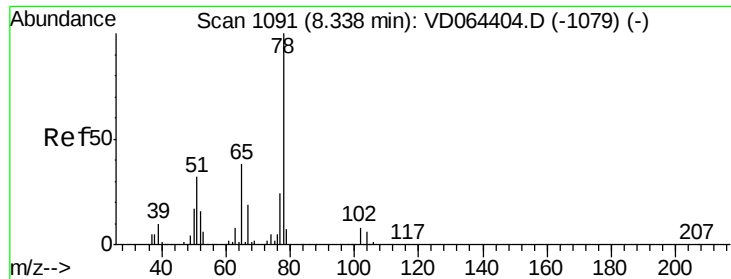
Tot Ion: 43 Resp: 74026
Ion Ratio Lower Upper
43 100
74 23.1 19.7 29.5



#25
2-Butanone
Concen: 10.501 ug/l
RT: 7.22 min Scan# 901
Delta R.T. -0.00 min
Lab File: VD064440.D
Acq: 05 Dec 2019 17:02

Tgt Ion: 43 Resp: 14359
Ion Ratio Lower Upper
43 100
72 31.5 21.0 31.4#

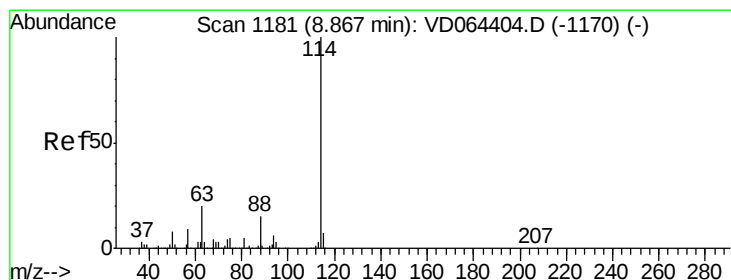
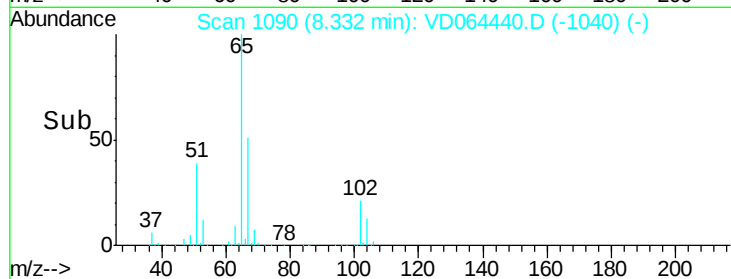
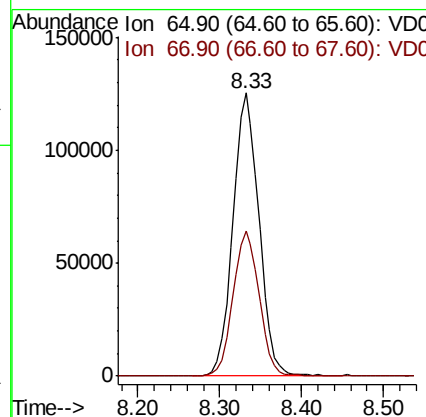
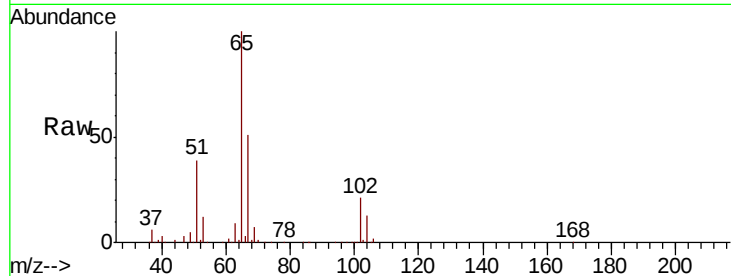




#33
 1,2-Dichloroethane-d4
 Concen: 58.010 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.01 min
 Lab File: VD064440.D
 Acq: 05 Dec 2019 17:02

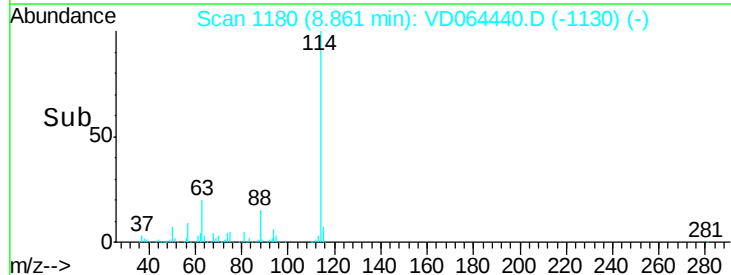
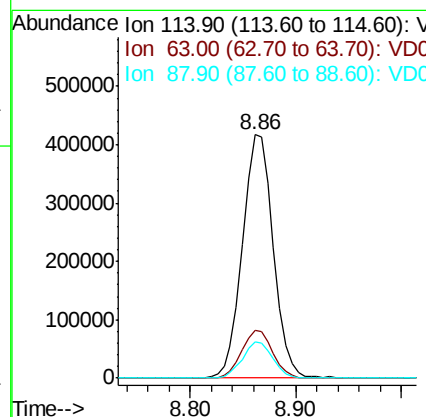
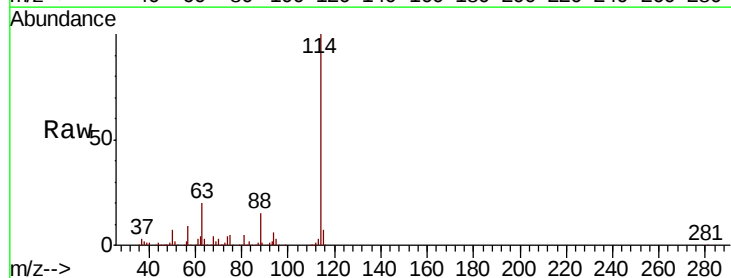
Instrument :
 MSVOA_D
 ClientSampleId :
 BOX-2512

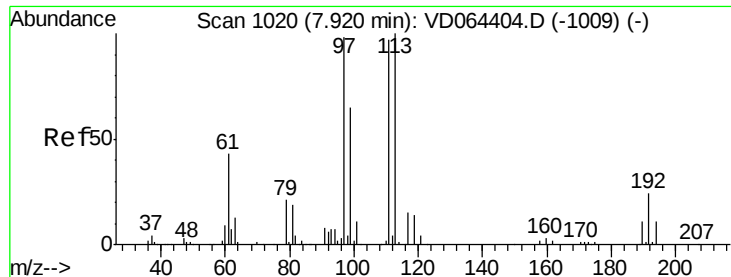
Tot Ion: 65 Resp: 277565
 Ion Ratio Lower Upper
 65 100
 67 51.3 0.0 102.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. -0.01 min
 Lab File: VD064440.D
 Acq: 05 Dec 2019 17:02

Tgt Ion: 114 Resp: 844484
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 40.0
 88 14.9 0.0 29.2

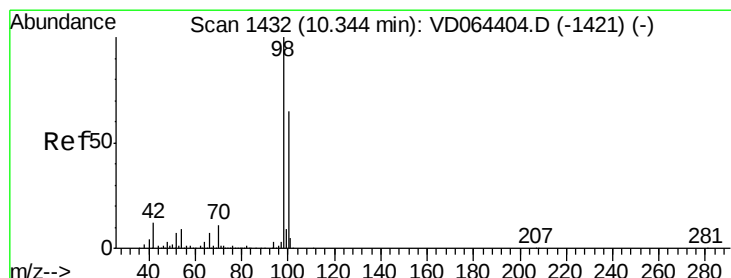
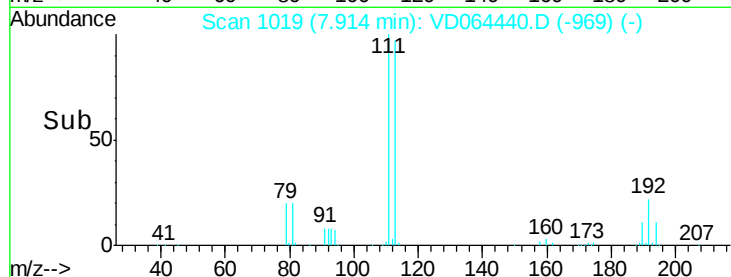
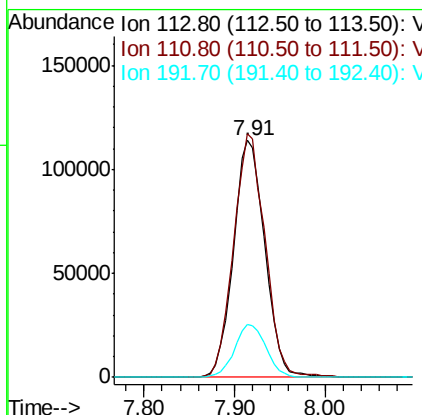
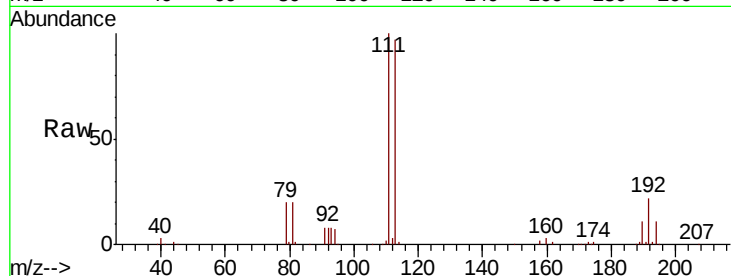




#35
 Dibromofluoromethane
 Concen: 51.627 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: VD064440.D
 Acq: 05 Dec 2019 17:02

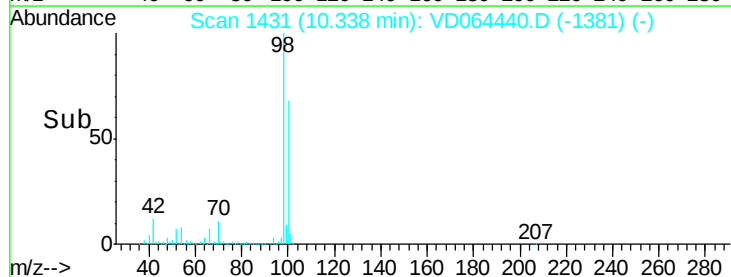
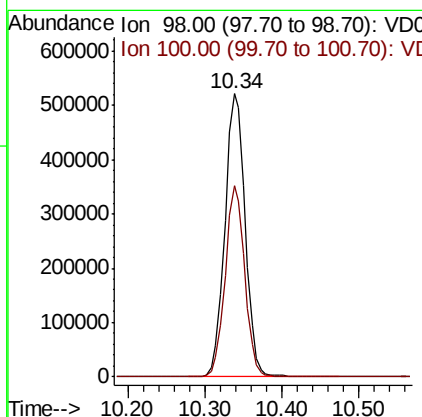
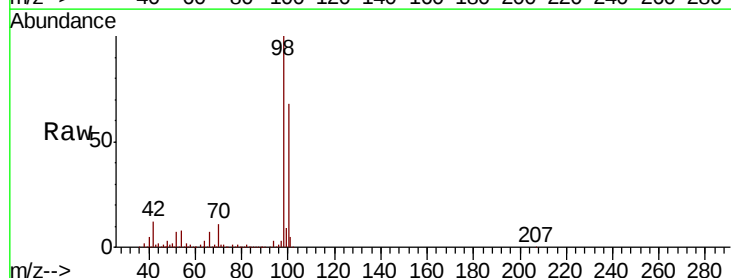
Instrument :
 MSVOA_D
 ClientSampleId :
 BOX-2512

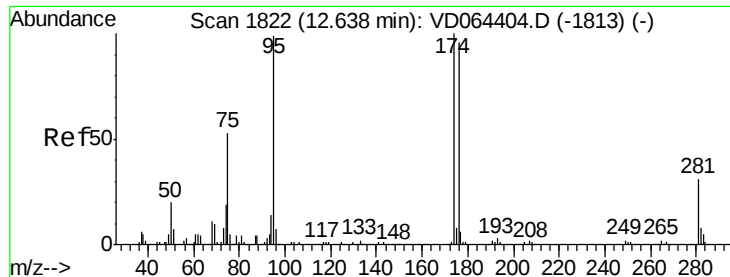
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.9	79.4	119.2
192	22.2	18.6	28.0



#50
 Toluene-d8
 Concen: 47.746 ug/l
 RT: 10.34 min Scan# 1431
 Delta R.T. -0.01 min
 Lab File: VD064440.D
 Acq: 05 Dec 2019 17:02

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.1	52.6	79.0

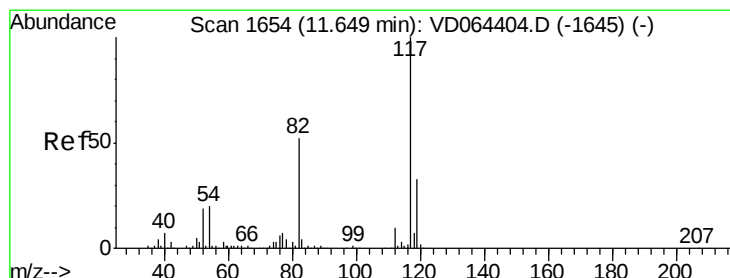
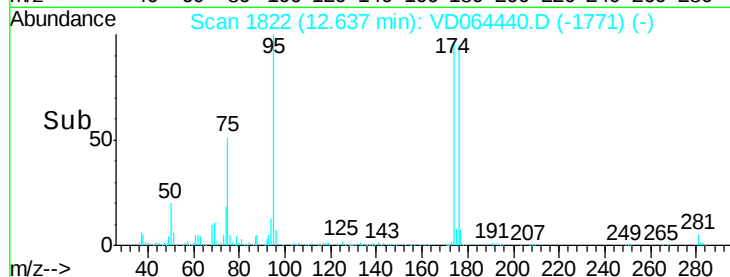
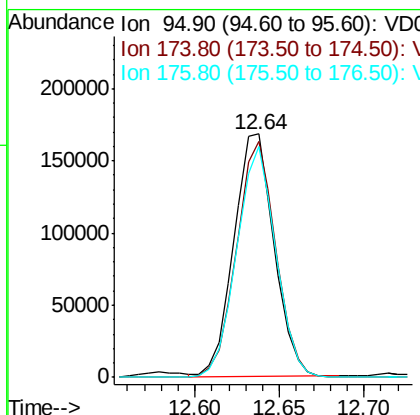
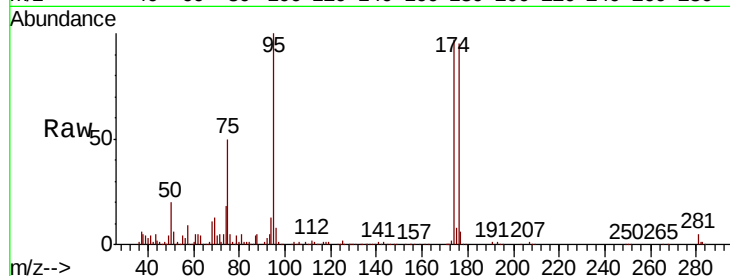




#62
4-Bromofluorobenzene
Concen: 43.272 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VD064440.D
Acq: 05 Dec 2019 17:02

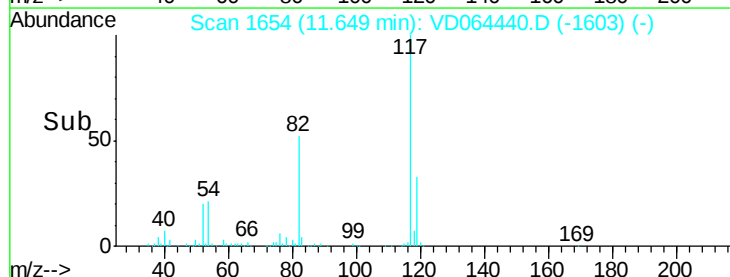
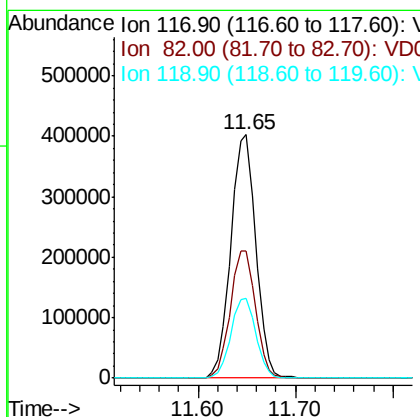
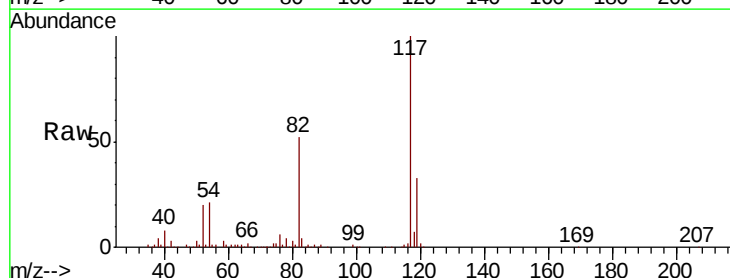
Instrument :
MSVOA_D
ClientSampleId :
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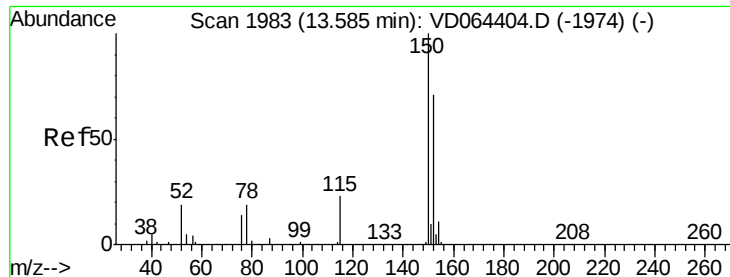
Tot Ion: 95 Resp: 278721
Ion Ratio Lower Upper
95 100
174 95.1 0.0 197.2
176 92.4 0.0 189.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD064440.D
Acq: 05 Dec 2019 17:02

Tgt Ion: 117 Resp: 716428
Ion Ratio Lower Upper
117 100
82 52.3 41.4 62.2
119 32.6 26.2 39.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. -0.01 min

Lab File: VD064440.D

Acq: 05 Dec 2019 17:02

Instrument :

MSVOA_D

ClientSampleId :

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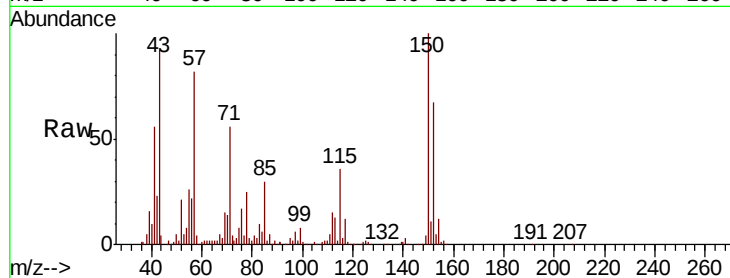
Tot Ion:152 Resp: 240135

Ion Ratio Lower Upper

152 100

115 58.8 26.7 80.1

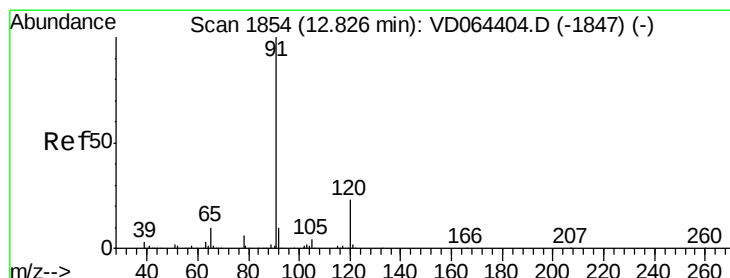
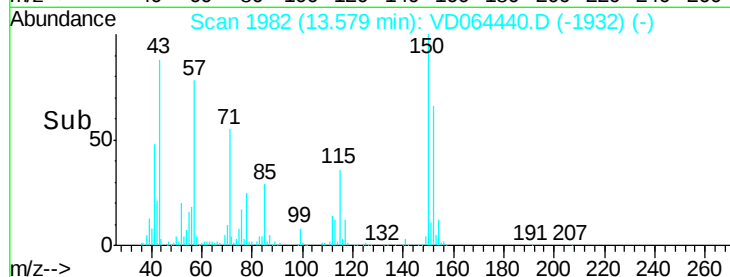
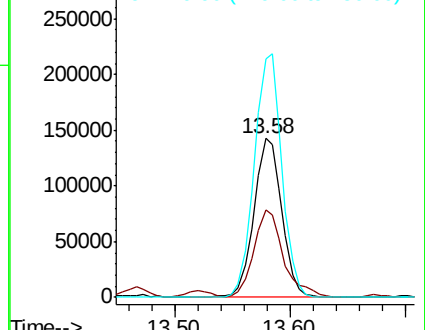
150 151.1 0.0 347.2



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#78

n-propylbenzene

Concen: 1.076 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD064440.D

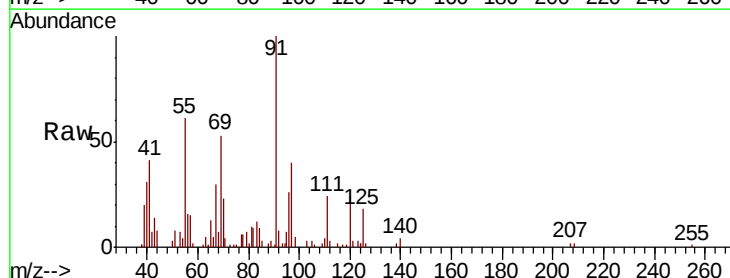
Acq: 05 Dec 2019 17:02

Tgt Ion: 91 Resp: 21441

Ion Ratio Lower Upper

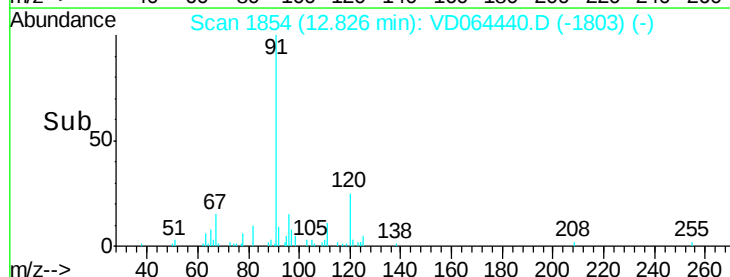
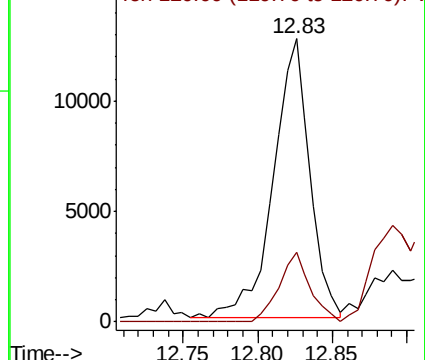
91 100

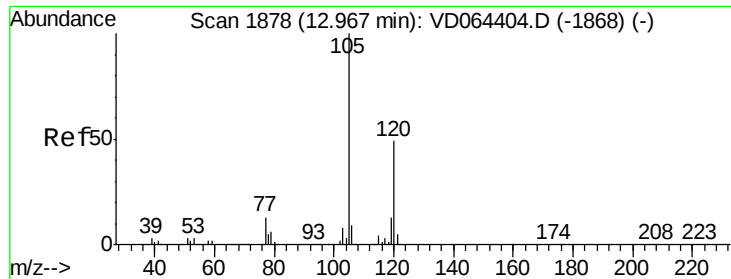
120 21.3 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V





#80

1,3,5-Trimethylbenzene

Concen: 6.636 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. -0.01 min

Lab File: VD064440.D

Acq: 05 Dec 2019 17:02

Instrument :

MSVOA_D

ClientSampleId :

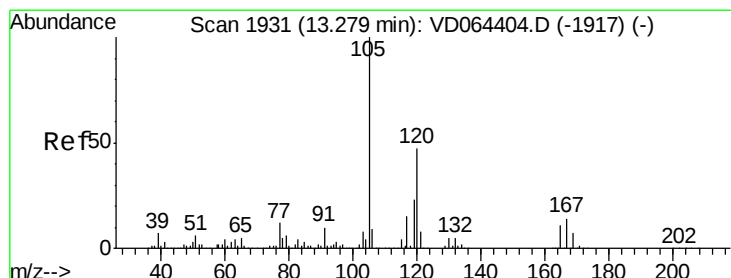
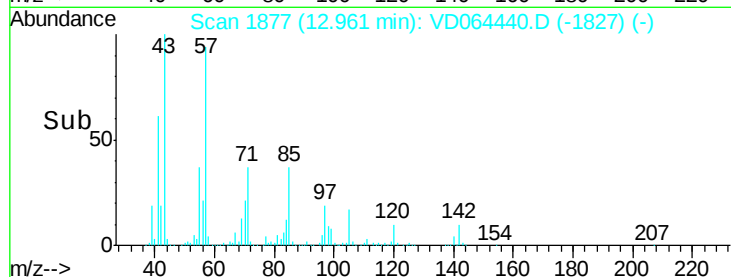
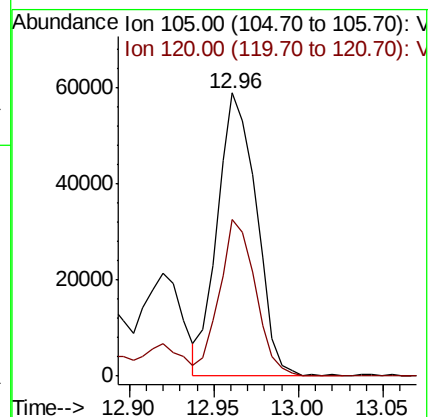
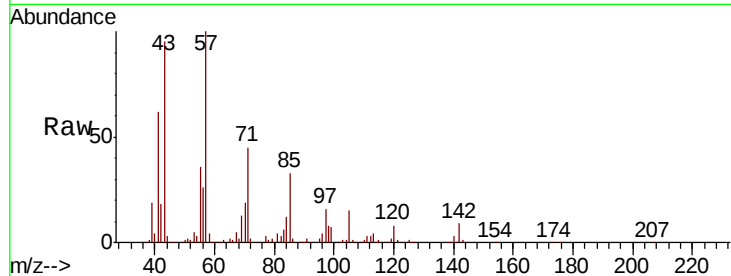
BOX-2512

Tot Ion:105 Resp: 93661

Ion Ratio Lower Upper

105 100

120 51.8 25.1 75.3



#84

1,2,4-Trimethylbenzene

Concen: 1.210 ug/l

RT: 13.27 min Scan# 1930

Delta R.T. -0.01 min

Lab File: VD064440.D

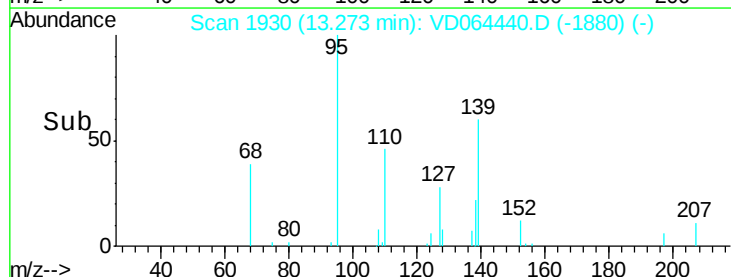
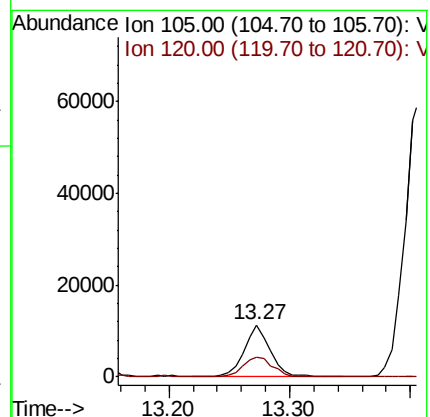
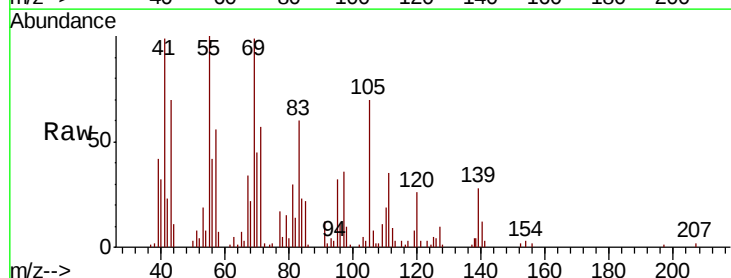
Acq: 05 Dec 2019 17:02

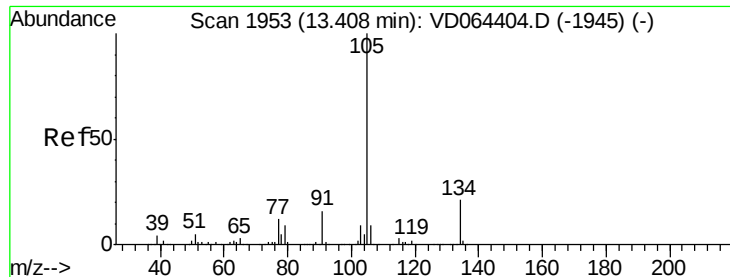
Tgt Ion:105 Resp: 17174

Ion Ratio Lower Upper

105 100

120 42.7 23.6 70.8





#85

sec-Butylbenzene

Concen: 5.705 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. -0.00 min

Lab File: VD064440.D

Acq: 05 Dec 2019 17:02

Instrument :

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ClientSampleId :

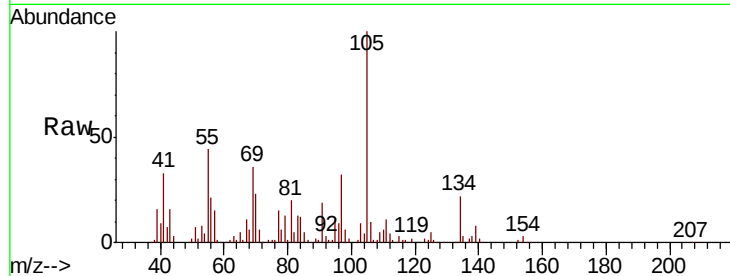
BOX-2512

Tot Ion:105 Resp: 96082

Ion Ratio Lower Upper

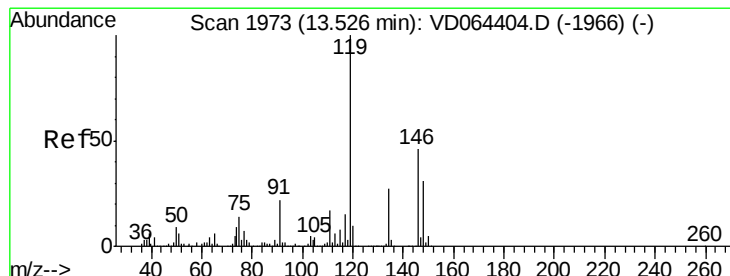
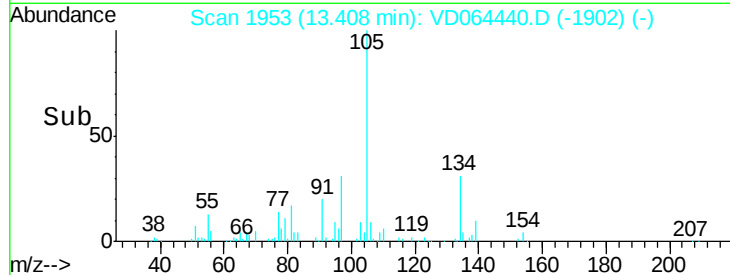
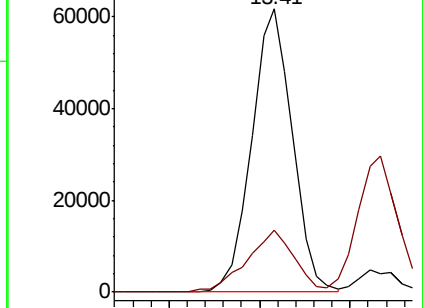
105 100

134 25.6 10.5 31.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 7.103 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.01 min

Lab File: VD064440.D

Acq: 05 Dec 2019 17:02

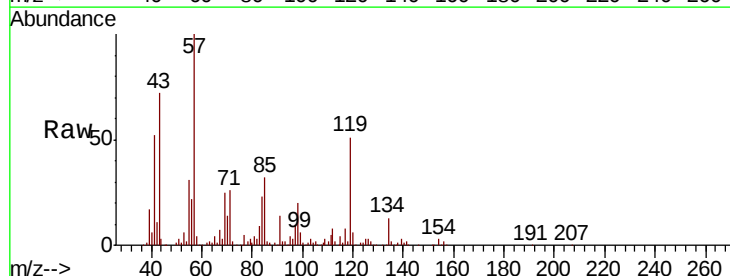
Tgt Ion:119 Resp: 112937

Ion Ratio Lower Upper

119 100

134 27.6 13.5 40.4

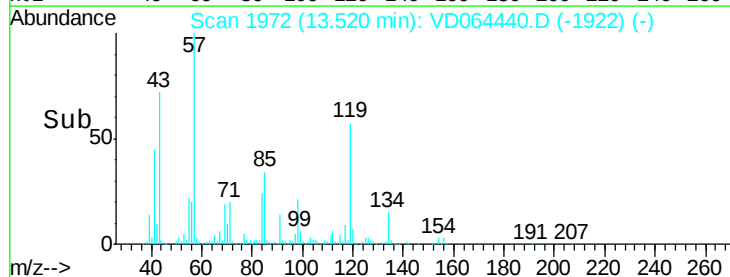
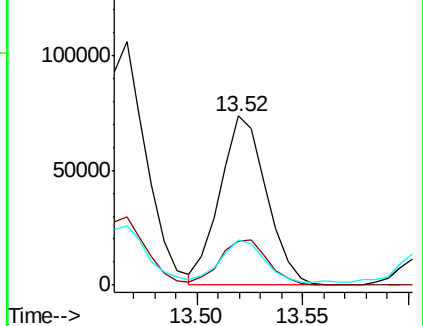
91 23.3 11.2 33.5

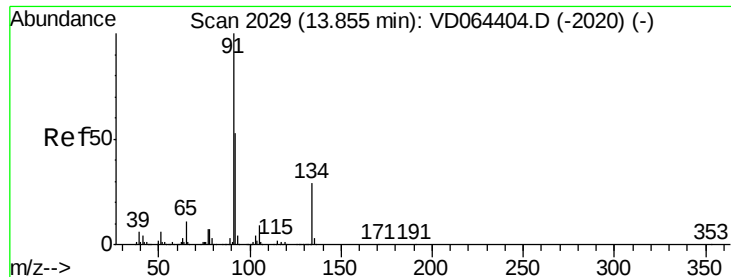


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#89

n-Butylbenzene

Concen: 4.896 ug/l

RT: 13.85 min Scan# 2028

Delta R.T. -0.01 min

Lab File: VD064440.D

Acq: 05 Dec 2019 17:02

Instrument :

MSVOA_D

ClientSampleId :

BOX-2512

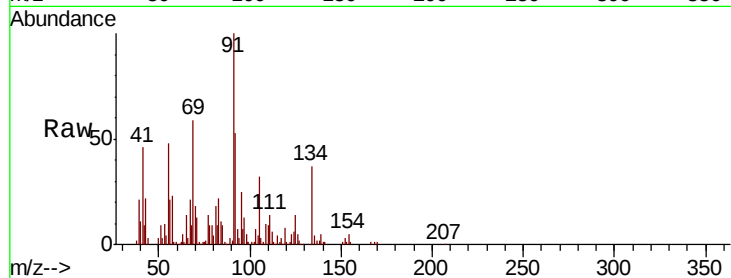
Tot Ion: 91 Resp: 70694

Ion Ratio Lower Upper

91 100

92 81.8 26.5 79.4#

134 0.0 13.9 41.7#



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 92.00 (91.70 to 92.70): VDC

Ion 134.00 (133.70 to 134.70): VDC

