

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX112520\
 Data File : VX019653.D
 Acq On : 25 Nov 2020 13:58
 Operator : JC/MD
 Sample : L4841-01DL 5X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 40741DL

Manual Integrations
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 11/30/2020 9:53:54 AM

Quant Time: Nov 27 04:13:58 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	311874	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	510585	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	477282	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	222155	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	194328	48.06	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	96.12%
35) Dibromofluoromethane	5.46	113	152448	47.57	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	95.14%
50) Toluene-d8	8.70	98	627343	50.37	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	100.74%
62) 4-Bromofluorobenzene	11.12	95	233995	52.22	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	104.44%

Target Compounds

						Qvalue
16) Acetone	2.42	43	321675	205.704	ug/l	98
17) Carbon Disulfide	2.55	76	3407	0.410	ug/l #	79
19) Methyl tert-butyl Ether	3.17	73	9999	0.936	ug/l	94
22) Diisopropyl ether	3.83	45	10027	0.999	ug/l #	85
25) 2-Butanone	4.64	43	76285	32.474	ug/l	98
29) Tetrahydrofuran	5.09	42	1557m	1.039	ug/l	
39) Methylcyclohexane	7.45	83	1983	0.356	ug/l	91
40) Benzene	6.11	78	38014	2.585	ug/l	99
51) 4-Methyl-2-Pentanone	8.62	43	9798	2.224	ug/l	97
52) Toluene	8.76	92	53061	5.898	ug/l	97
59) 2-Hexanone	9.47	43	9808	2.936	ug/l	100
67) Ethyl Benzene	10.23	91	123175	7.165	ug/l	97
68) m/p-Xylenes	10.34	106	211858	33.079	ug/l	99
69) o-Xylene	10.68	106	130326	21.287	ug/l	100
73) Isopropylbenzene	11.00	105	39160	2.548	ug/l	100
78) n-propylbenzene	11.34	91	182679	10.362	ug/l	99
80) 1,3,5-Trimethylbenzene	11.49	105	263318	20.425	ug/l	100
84) 1,2,4-Trimethylbenzene	11.79	105	1134562	86.978	ug/l	99
85) sec-Butylbenzene	11.93	105	28270m	1.905	ug/l	
86) p-Isopropyltoluene	12.05	119	17955	1.333	ug/l	95
95) Naphthalene	13.82	128	525617	32.857	ug/l	99

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

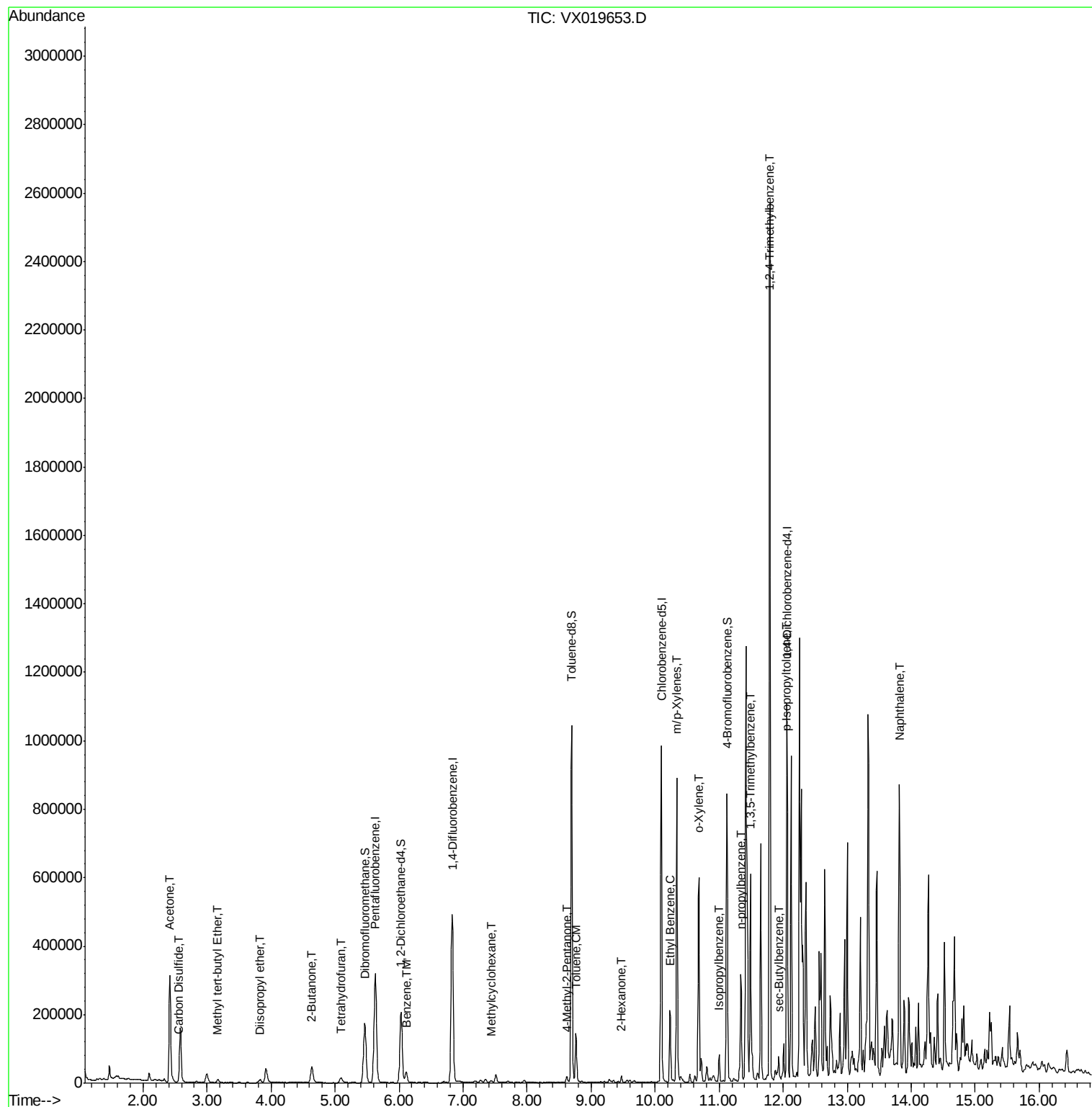
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX112520\
Data File : VX019653.D
Acq On : 25 Nov 2020 13:58
Operator : JC/MD
Sample : L4841-01DL 5X
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 9 Sample Multiplier: 1

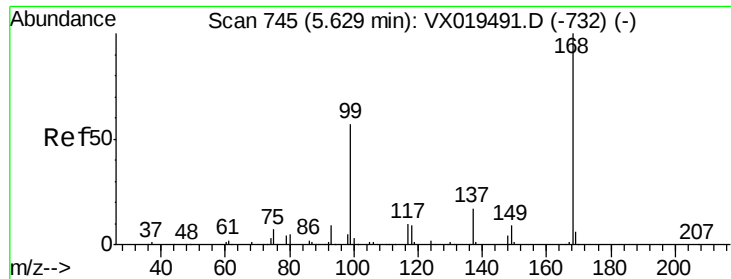
Instrument :
MSVOA_X
ClientSampleId :
40741DL

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Quant Time: Nov 27 04:13:58 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: VX019653.D

Acq: 25 Nov 2020 13:58

Instrument :

MSVOA_X

ClientSampleId :

40741DL

Tot Ion:168 Resp: 311874

Ion Ratio Lower Upper

168 100

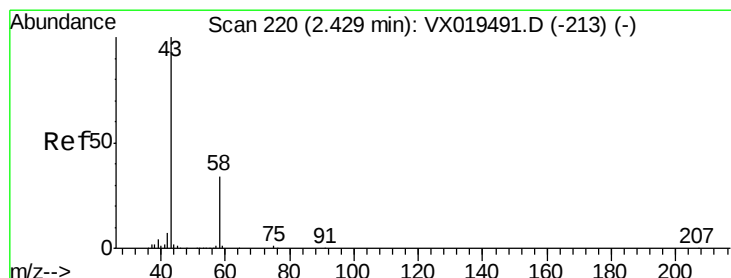
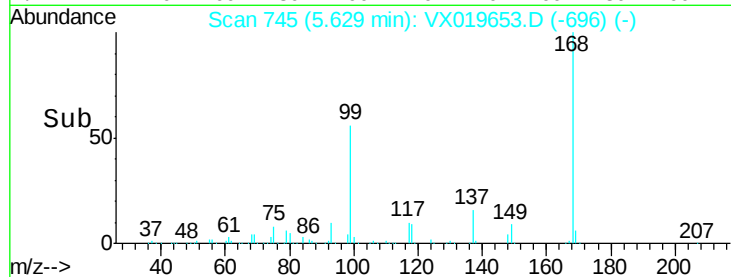
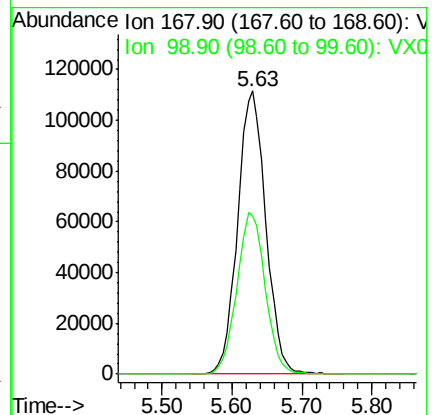
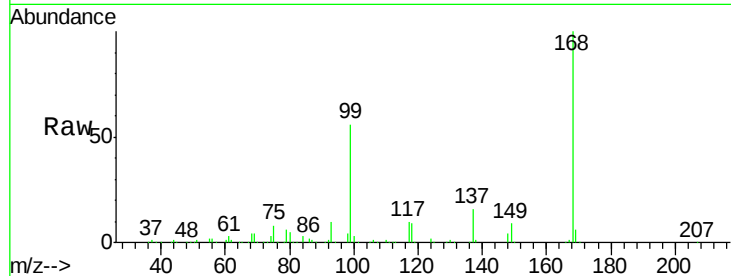
99 55.6 45.8 68.6

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#16

Acetone

Concen: 205.704 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX019653.D

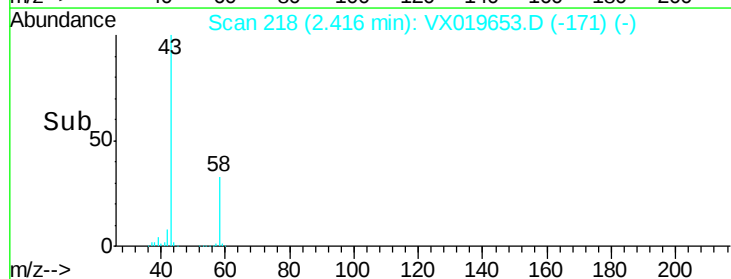
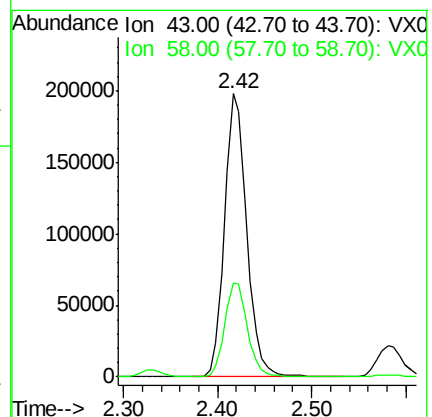
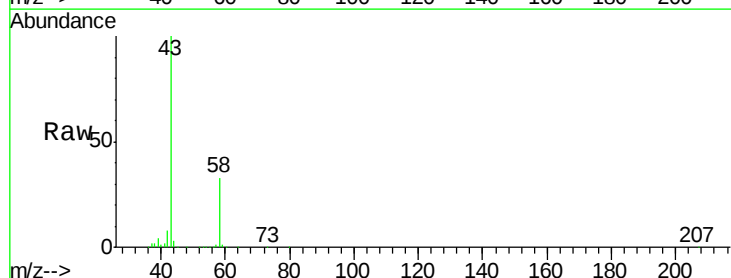
Acq: 25 Nov 2020 13:58

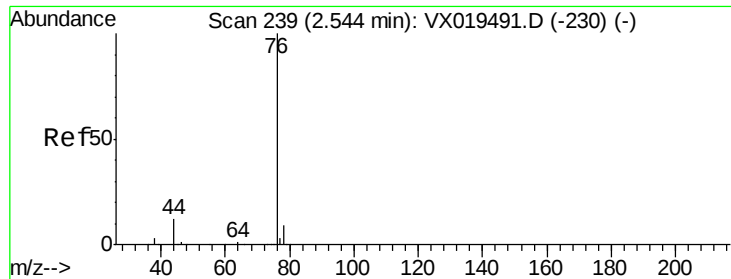
Tgt Ion: 43 Resp: 321675

Ion Ratio Lower Upper

43 100

58 33.4 27.4 41.2





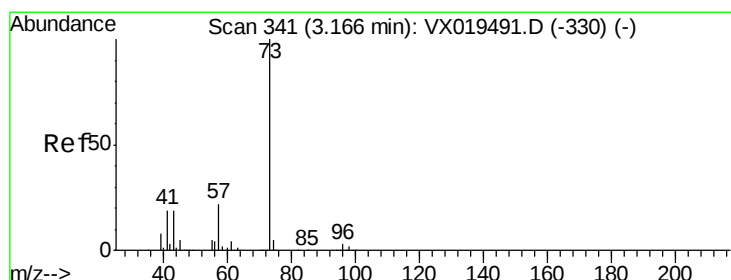
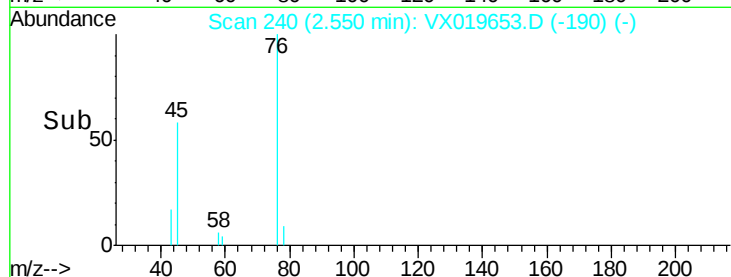
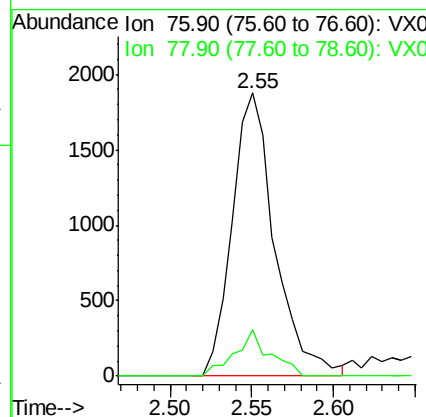
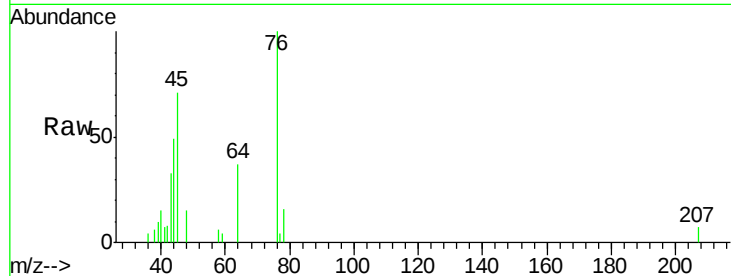
#17
Carbon Disulfide
Concen: 0.410 ug/l
RT: 2.55 min Scan# 240
Delta R.T. 0.01 min
Lab File: VX019653.D
Acq: 25 Nov 2020 13:58

Instrument :
MSVOA_X
ClientSampleId :
40741DL

Tot Ion: 76 Resp: 3407
Ion Ratio Lower Upper
76 100
78 16.5 7.2 10.8#

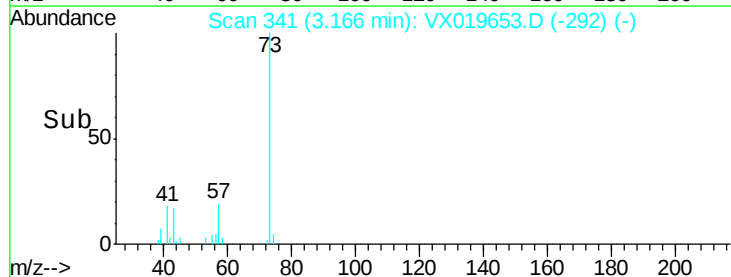
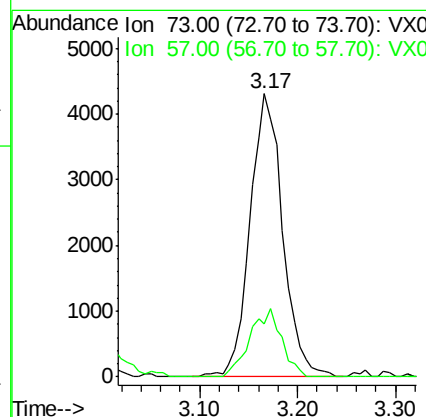
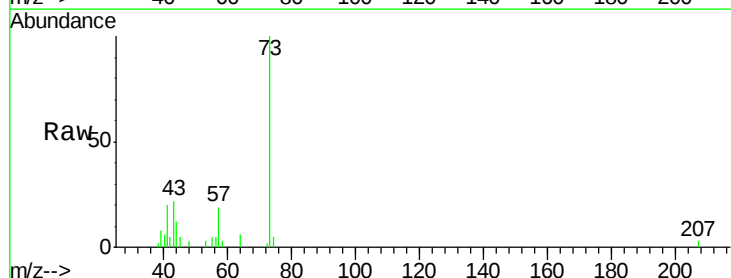
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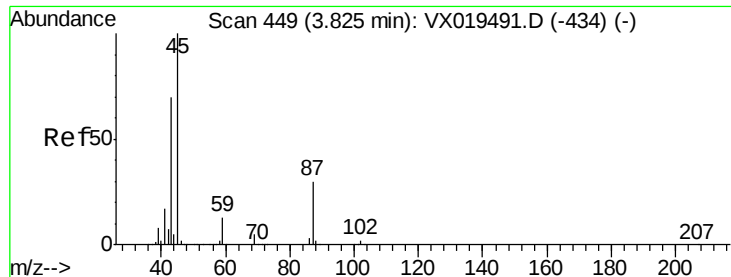
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#19
Methyl tert-butyl Ether
Concen: 0.936 ug/l
RT: 3.17 min Scan# 341
Delta R.T. -0.00 min
Lab File: VX019653.D
Acq: 25 Nov 2020 13:58

Tgt Ion: 73 Resp: 9999
Ion Ratio Lower Upper
73 100
57 18.8 17.3 25.9





#22

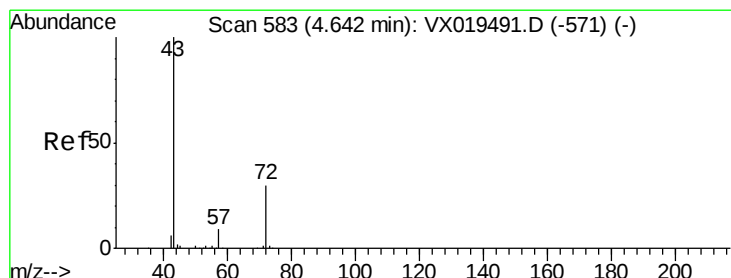
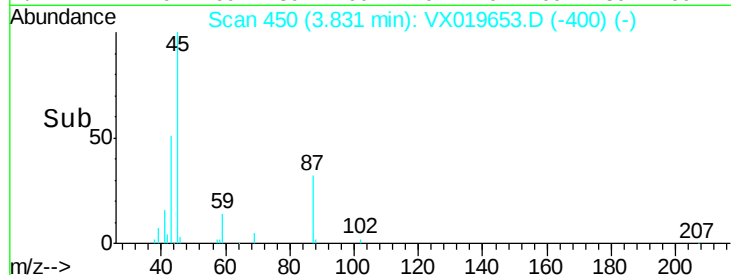
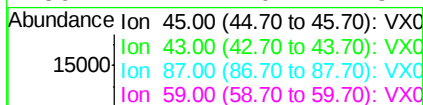
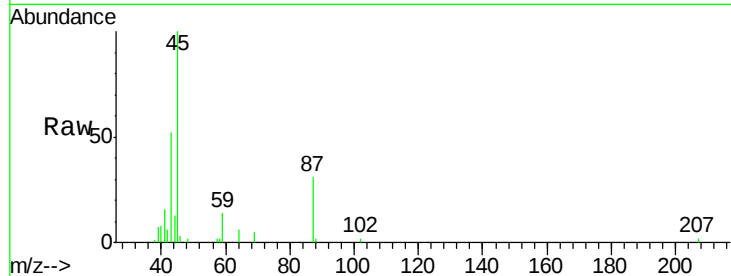
Diisopropyl ether
 Concen: 0.999 ug/l
 RT: 3.83 min Scan# 450
 Delta R.T. 0.01 min
 Lab File: VX019653.D
 Acq: 25 Nov 2020 13:58

Instrument :
 MSVOA_X
 ClientSampleId :
 40741DL

Tot Ion	Ratio	Lower	Upper
45	100		
43	51.7	56.1	84.1#
87	31.2	24.2	36.2
59	14.1	10.2	15.2

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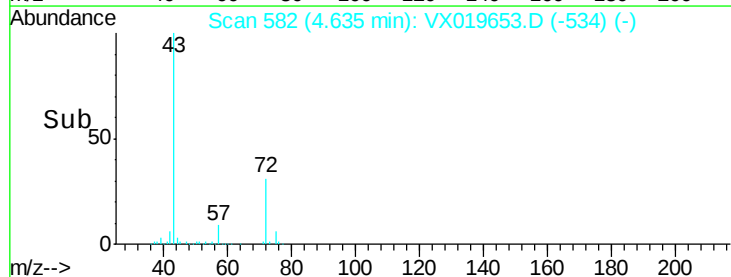
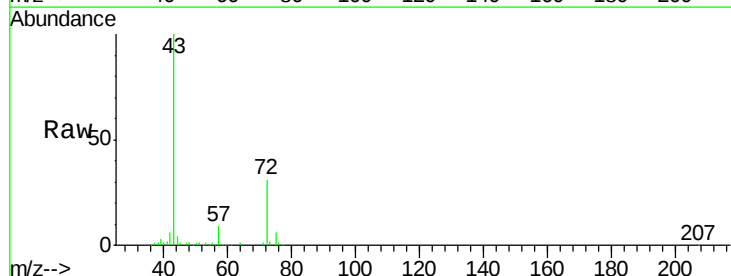
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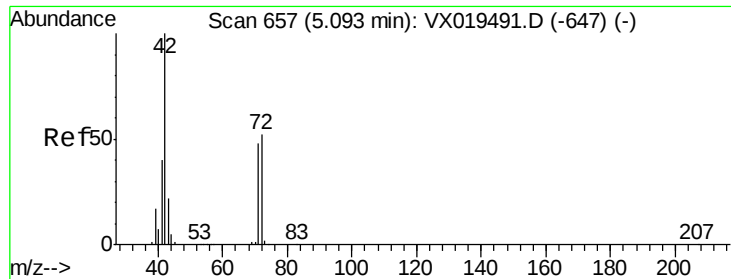


#25

2-Butanone
 Concen: 32.474 ug/l
 RT: 4.64 min Scan# 582
 Delta R.T. -0.01 min
 Lab File: VX019653.D
 Acq: 25 Nov 2020 13:58

Tgt Ion	Ratio	Lower	Upper
43	100		
72	31.0	24.0	36.0





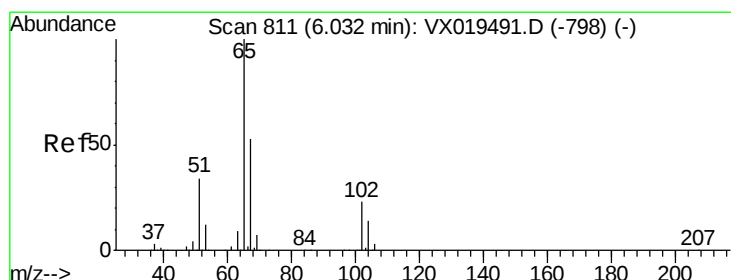
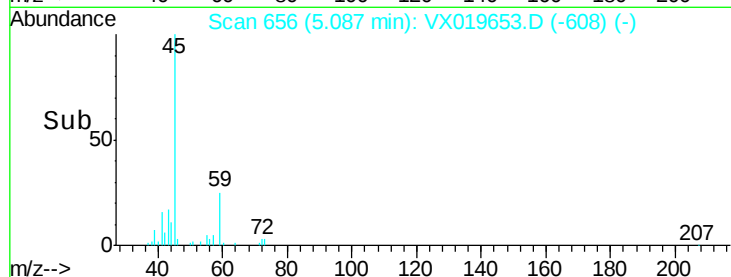
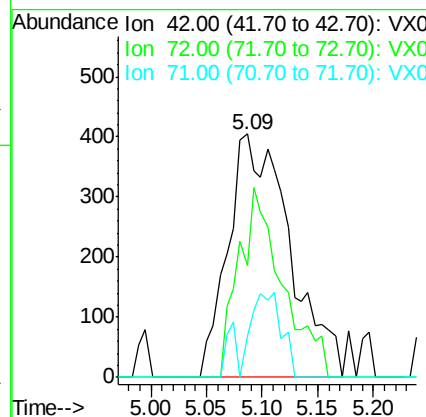
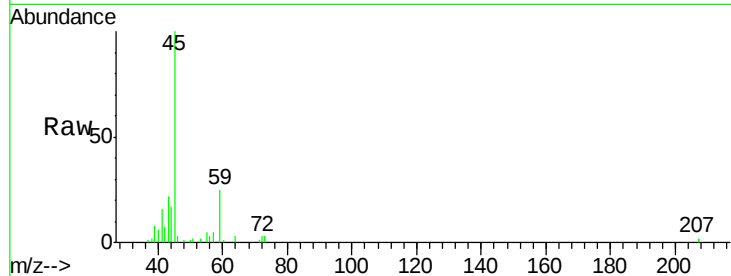
#29
Tetrahydrofuran
Concen: 1.039 ug/l m
RT: 5.09 min Scan# 656
Delta R.T. -0.01 min
Lab File: VX019653.D
Acq: 25 Nov 2020 13:58

Instrument :
MSVOA_X
ClientSampled :
40741DL

Tot Ion	Ratio	Lower	Upper
42	100		
72	55.7	42.6	63.8
71	3.9	39.0	58.6#

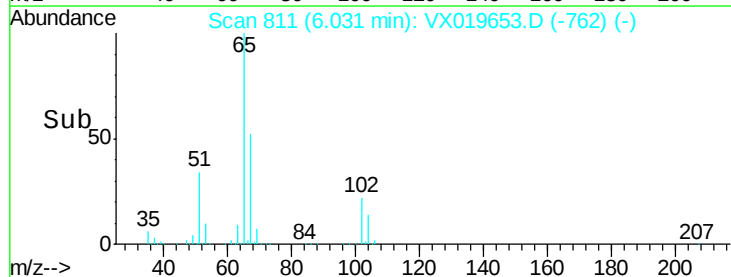
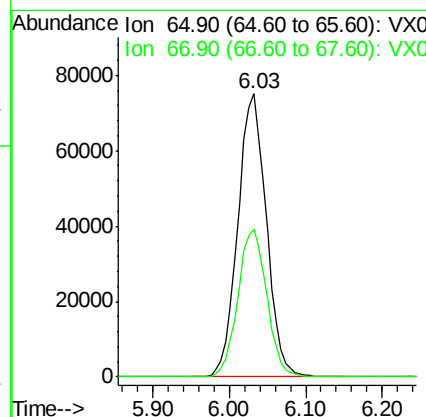
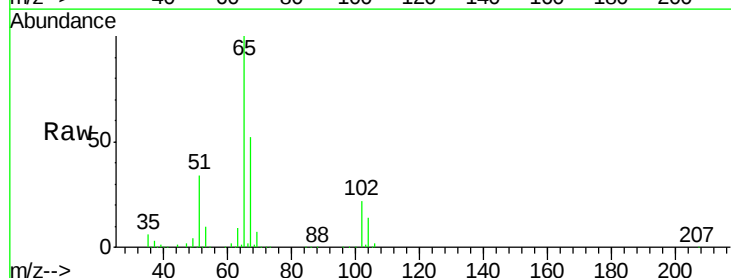
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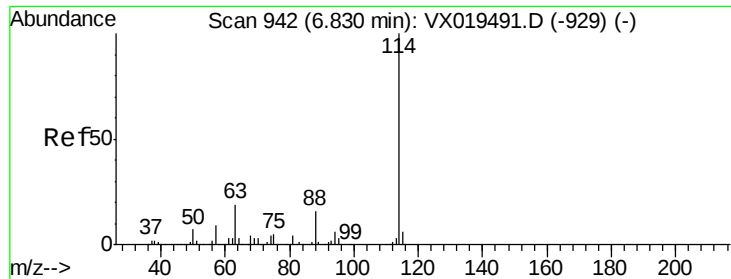
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#33
1,2-Dichloroethane-d4
Concen: 48.057 ug/l
RT: 6.03 min Scan# 811
Delta R.T. -0.00 min
Lab File: VX019653.D
Acq: 25 Nov 2020 13:58

Tgt Ion	Ratio	Lower	Upper
65	100		
67	52.7	0.0	105.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. -0.00 min

Lab File: VX019653.D

Acq: 25 Nov 2020 13:58

Instrument :

MSVOA_X

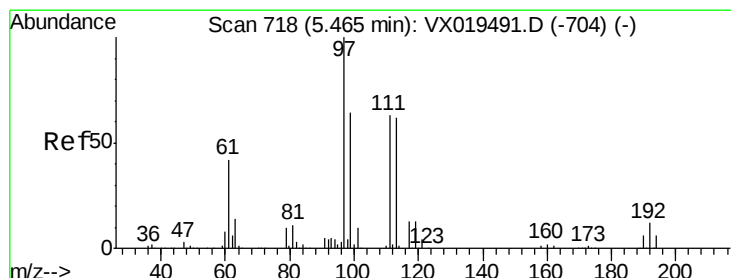
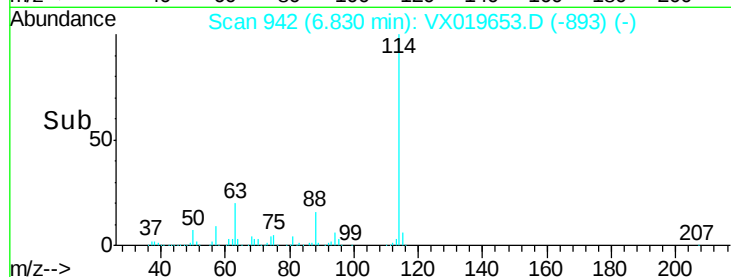
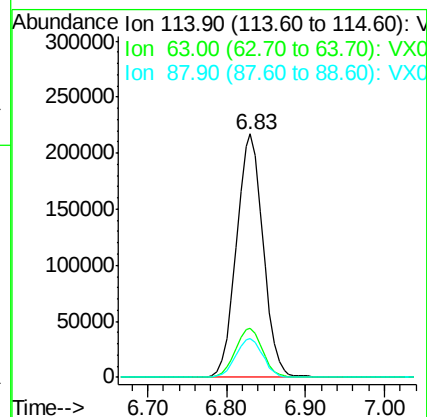
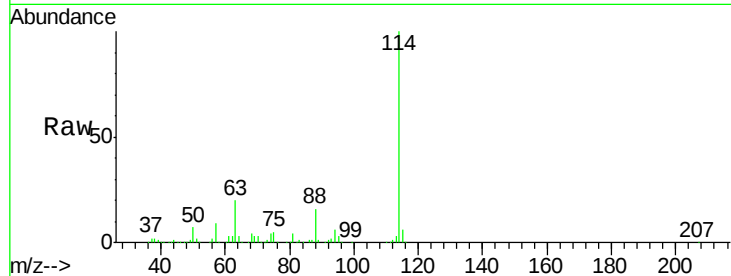
ClientSampled :

40741DL

Tot Ion	Ratio	Resp	Lower	Upper
114	100	510585		
63	20.2		0.0	38.8
88	16.2		0.0	31.6

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#35

Dibromofluoromethane

Concen: 47.567 ug/l

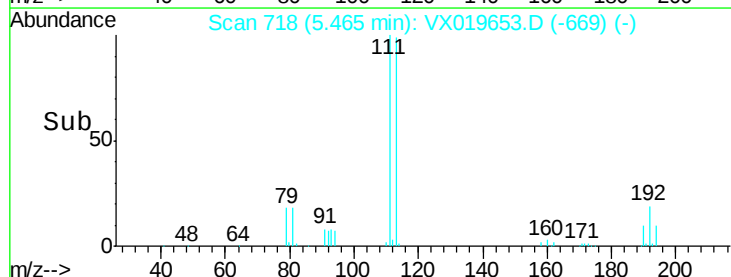
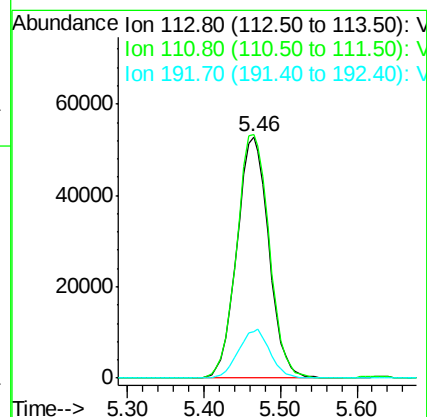
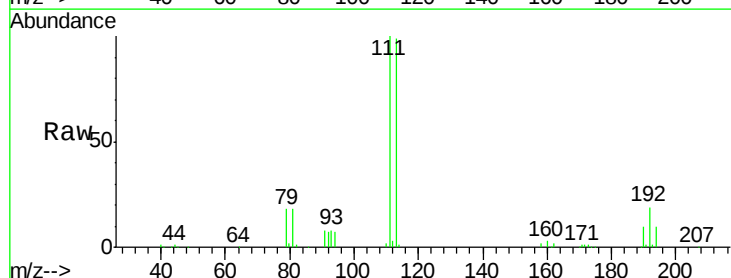
RT: 5.46 min Scan# 718

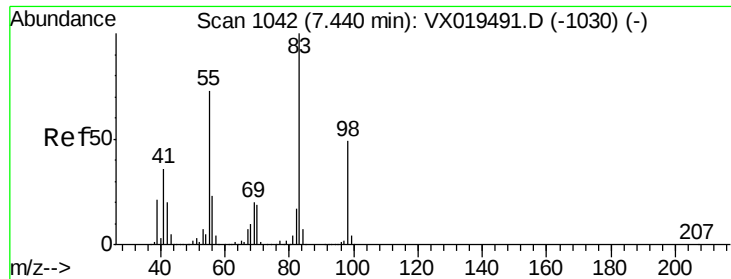
Delta R.T. -0.00 min

Lab File: VX019653.D

Acq: 25 Nov 2020 13:58

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	152448		
111	102.8		81.5	122.3
192	20.0		16.2	24.2





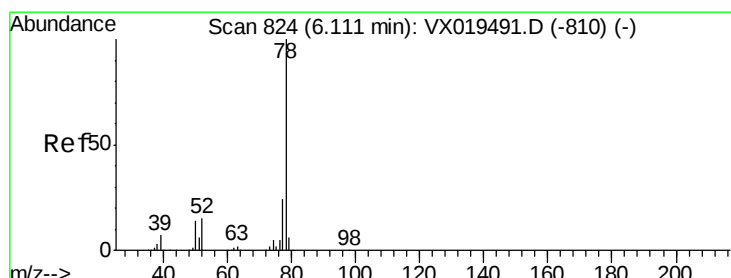
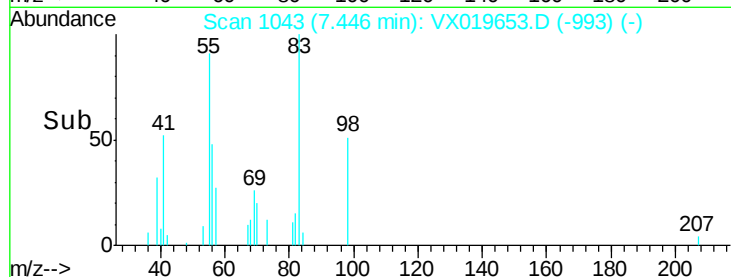
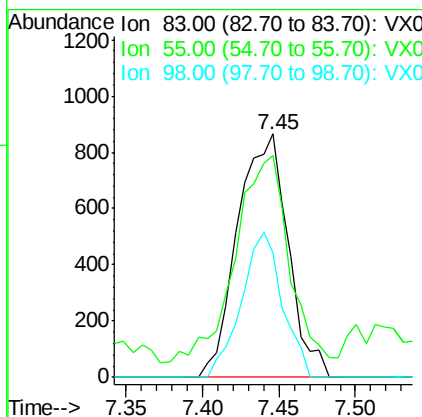
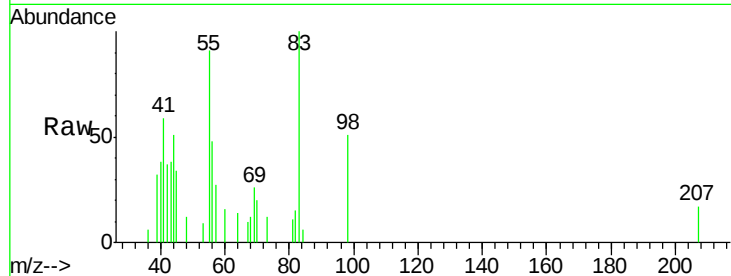
#39
Methvlcvclohexane
Concen: 0.356 ug/l
RT: 7.45 min Scan# 1043
Delta R.T. 0.01 min
Lab File: VX019653.D
Acq: 25 Nov 2020 13:58

Instrument :
MSVOA_X
ClientSampleId :
40741DL

Tot Ion	Ratio	Lower	Upper
83	100		
55	83.5	58.3	87.5
98	51.4	38.9	58.3

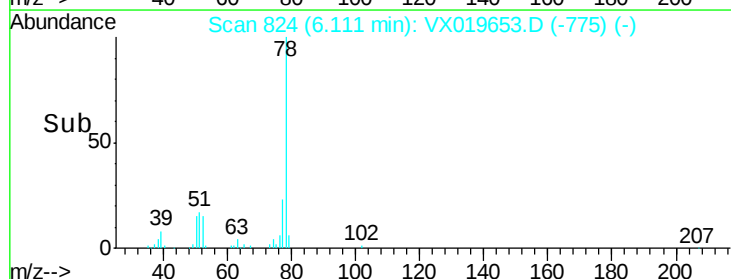
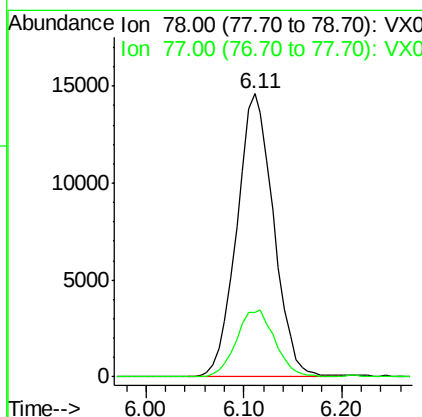
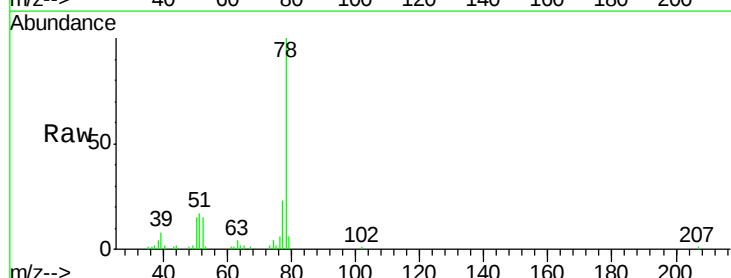
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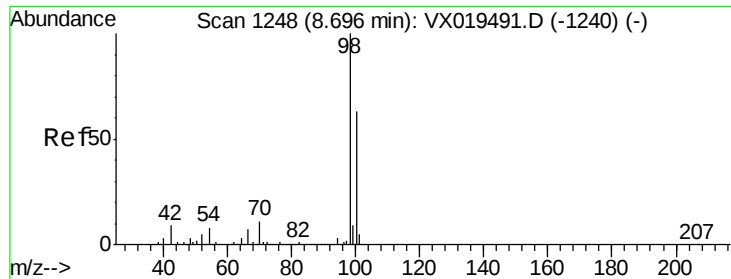
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#40
Benzene
Concen: 2.585 ug/l
RT: 6.11 min Scan# 824
Delta R.T. -0.00 min
Lab File: VX019653.D
Acq: 25 Nov 2020 13:58

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.9	18.9	28.3





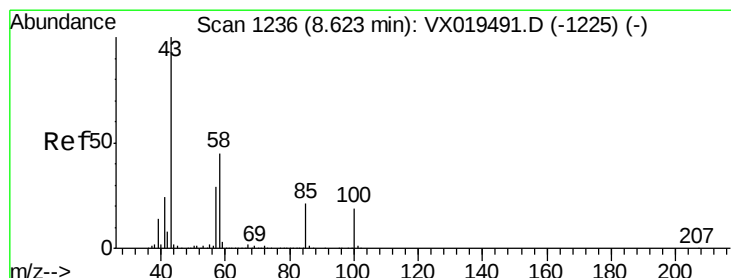
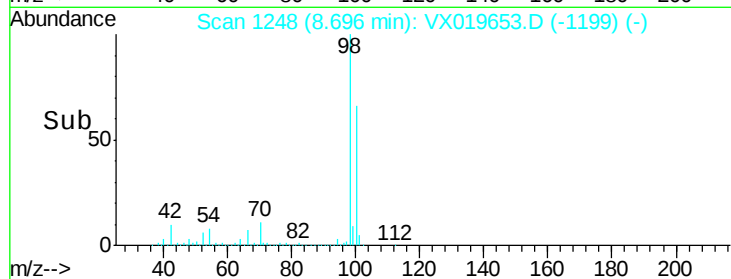
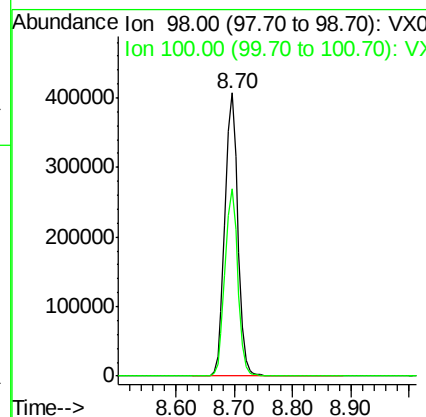
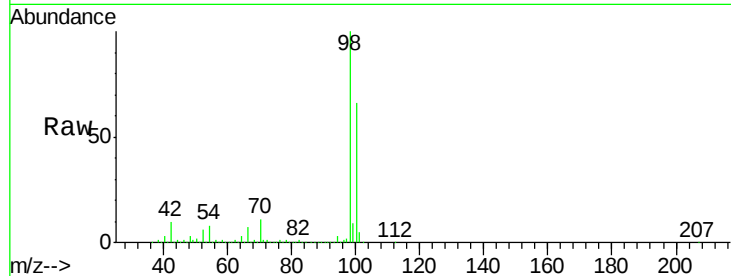
#50
Toluene-d8
Concen: 50.373 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX019653.D
Acq: 25 Nov 2020 13:58

Instrument :
MSVOA_X
ClientSampleId :
40741DL

Tot Ion	Ratio	Lower	Upper
98	100		
100	66.0	52.4	78.6

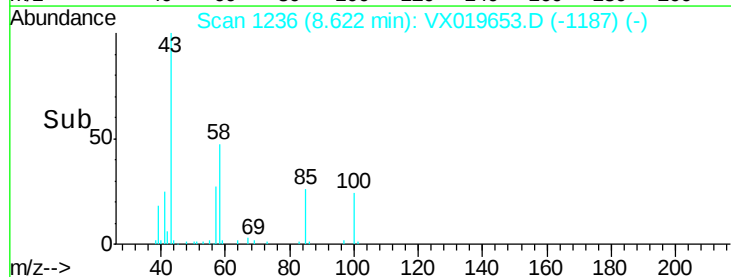
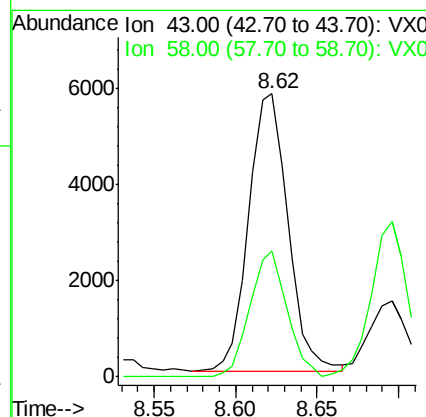
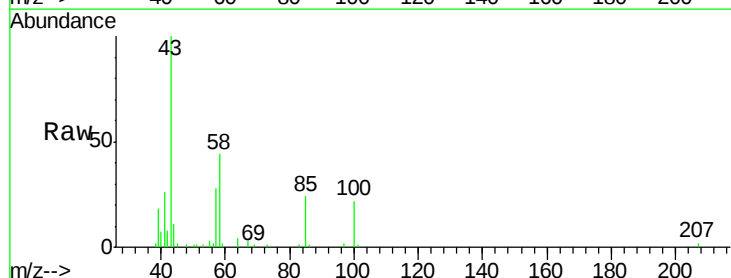
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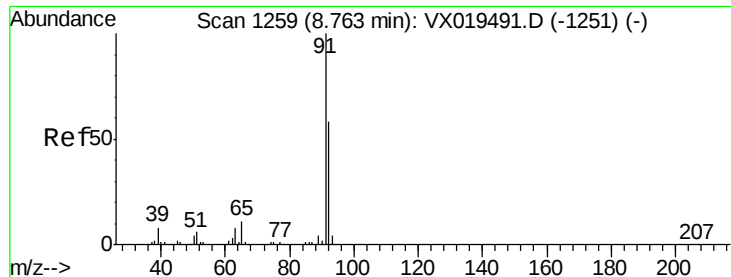
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#51
4-Methyl-2-Pentanone
Concen: 2.224 ug/l
RT: 8.62 min Scan# 1236
Delta R.T. -0.00 min
Lab File: VX019653.D
Acq: 25 Nov 2020 13:58

Tgt Ion	Ratio	Lower	Upper
43	100		
58	42.3	35.1	52.7





#52

Toluene

Concen: 5.898 ug/l

RT: 8.76 min Scan# 1259

Delta R.T. -0.00 min

Lab File: VX019653.D

Acq: 25 Nov 2020 13:58

Instrument :

MSVOA_X

ClientSampleId :

40741DL

Tot Ion: 92 Resp: 53061

Ion Ratio Lower Upper

92 100

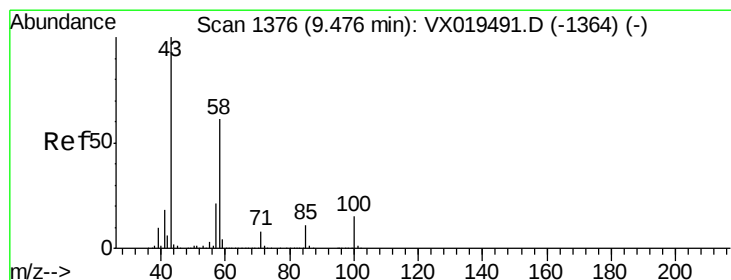
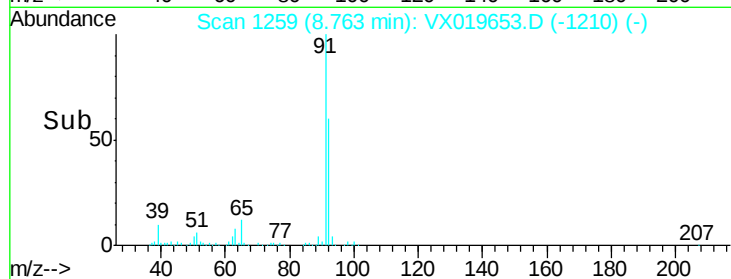
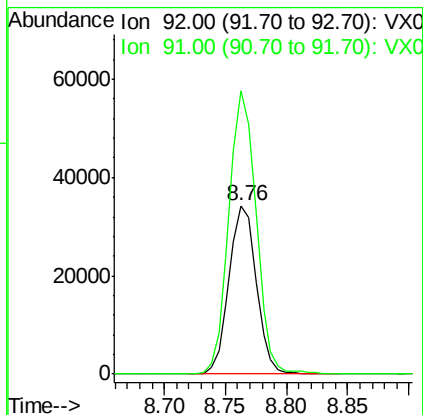
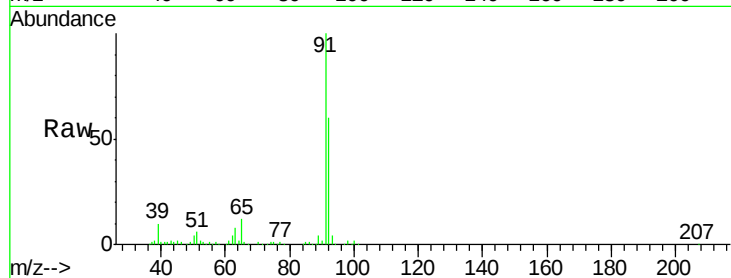
91 167.8 138.1 207.1

Manual Integrations

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#59

2-Hexanone

Concen: 2.936 ug/l

RT: 9.47 min Scan# 1375

Delta R.T. -0.01 min

Lab File: VX019653.D

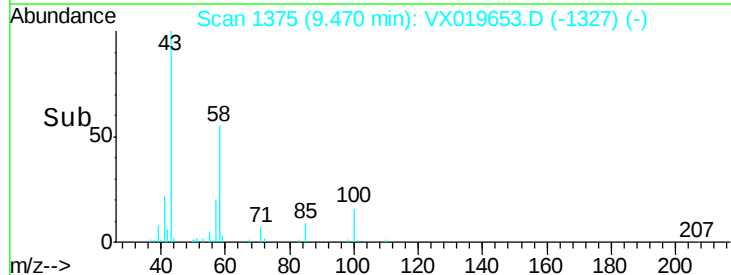
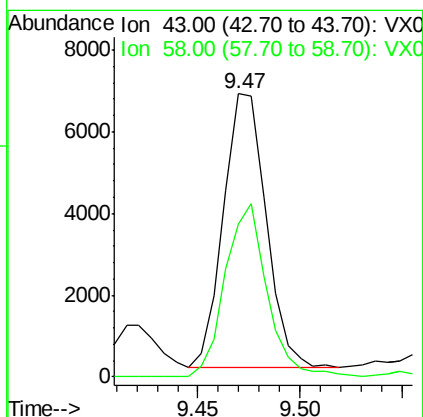
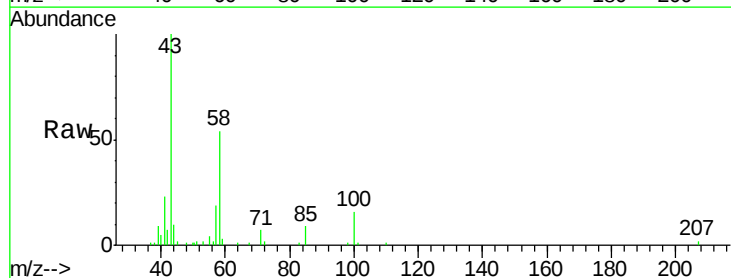
Acq: 25 Nov 2020 13:58

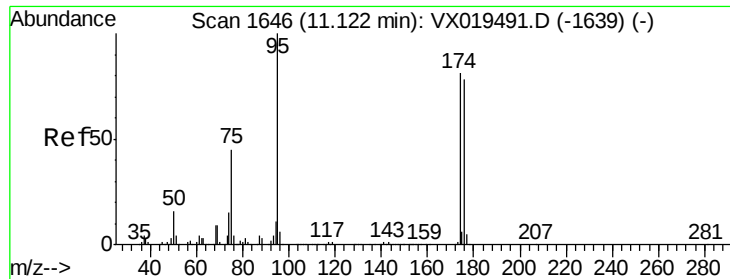
Tgt Ion: 43 Resp: 9808

Ion Ratio Lower Upper

43 100

58 61.4 30.6 91.6





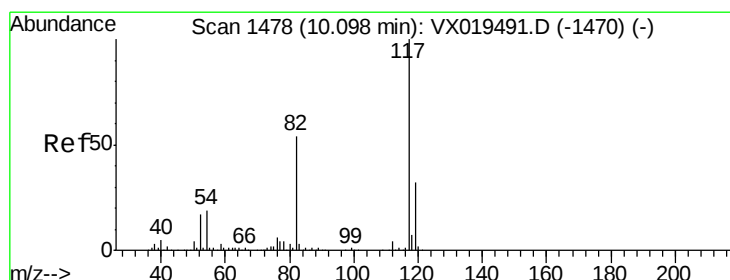
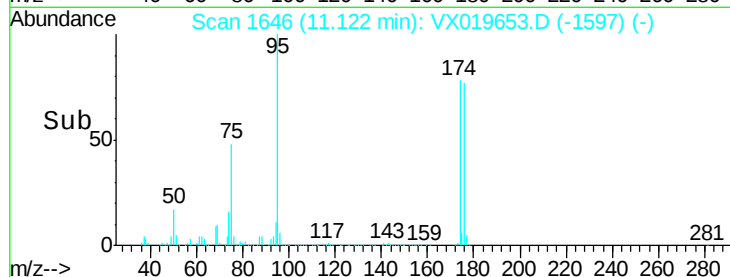
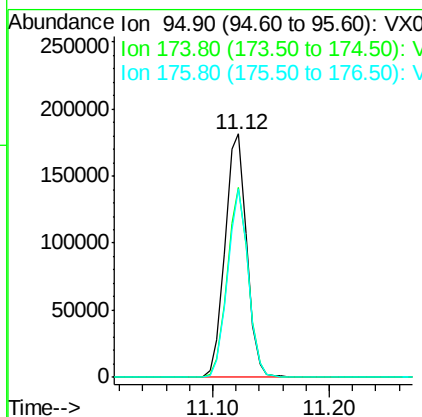
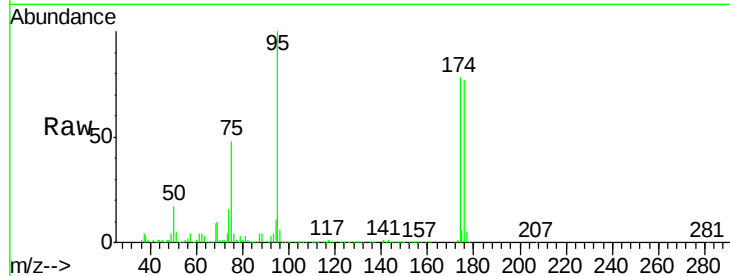
#62
4-Bromofluorobenzene
Concen: 52.222 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX019653.D
Acq: 25 Nov 2020 13:58

Instrument :
MSVOA_X
ClientSampleID :
40741DL

Tot Ion	Ratio	Resp	Lower	Upper
95	100	233995		
174	75.3	0.0	156.2	
176	73.8	0.0	151.4	

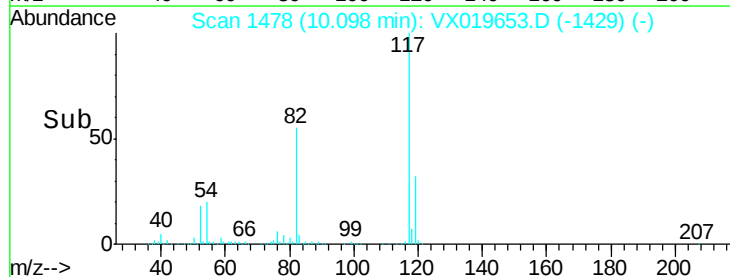
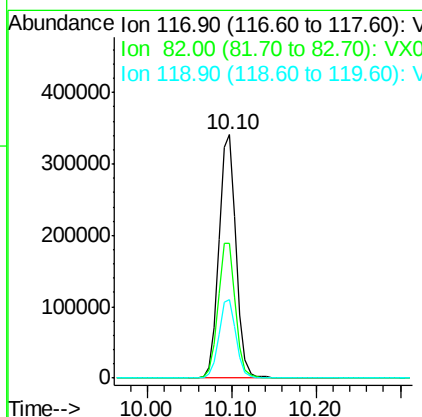
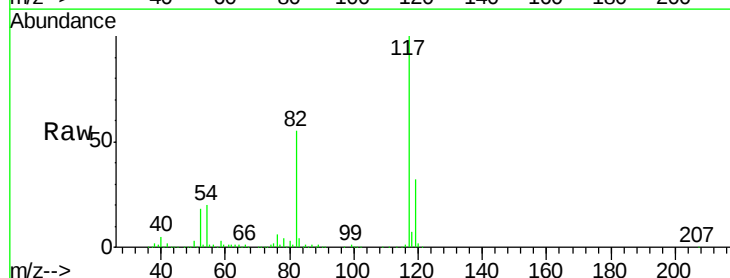
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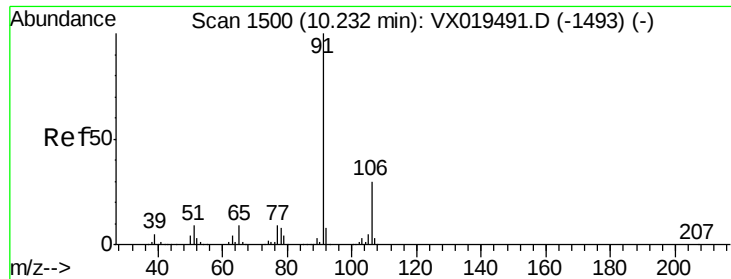
MMDadoda
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#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX019653.D
Acq: 25 Nov 2020 13:58

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	477282		
82	55.5	43.0	64.4	
119	32.4	25.6	38.4	





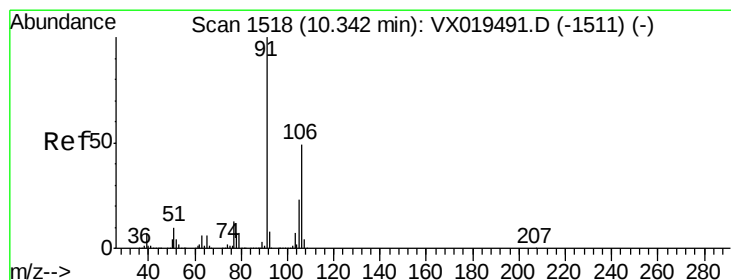
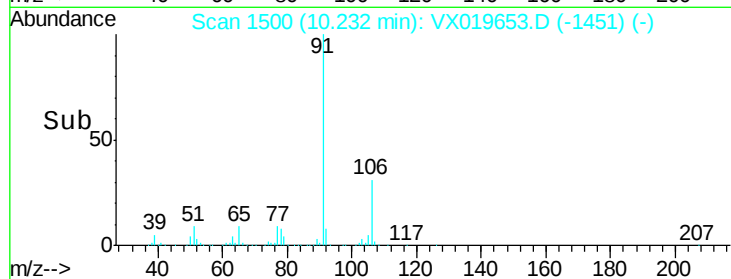
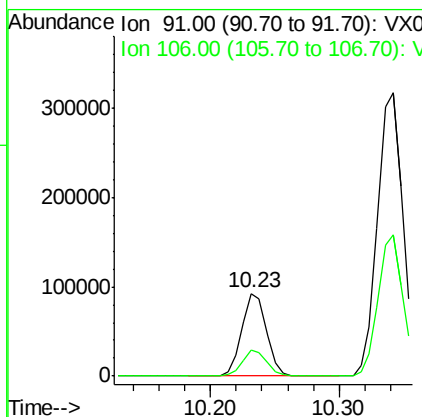
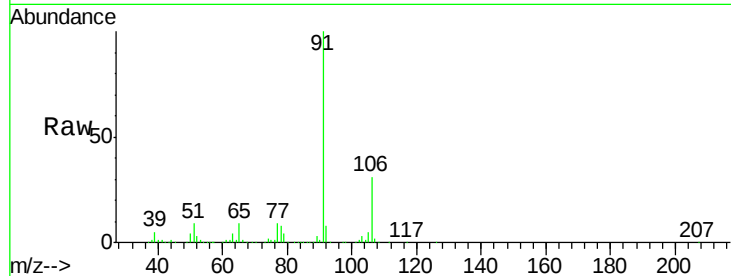
#67
Ethyl Benzene
Concen: 7.165 ug/l
RT: 10.23 min Scan# 1500
Delta R.T. -0.00 min
Lab File: VX019653.D
Acq: 25 Nov 2020 13:58

Instrument :
MSVOA_X
ClientSampleId :
40741DL

Tot Ion	Ion	Ratio	Resp	Lower	Upper
91	100		123175		
106	31.4	24.0	36.0		

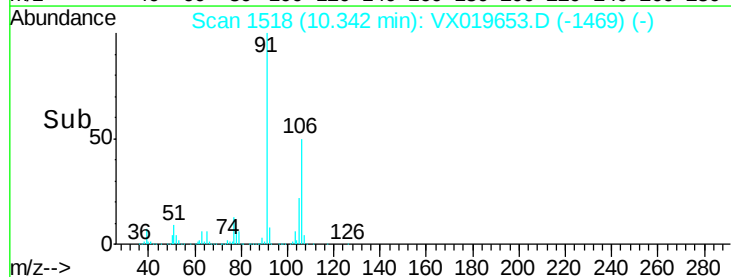
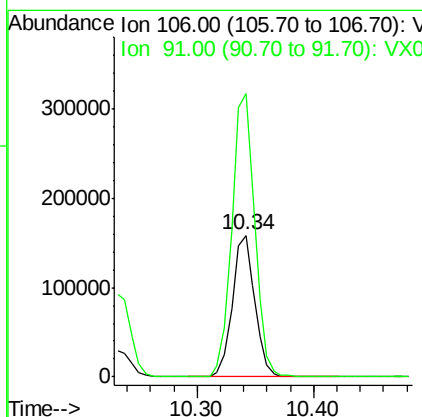
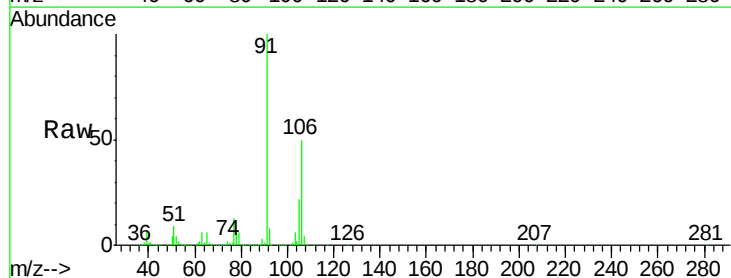
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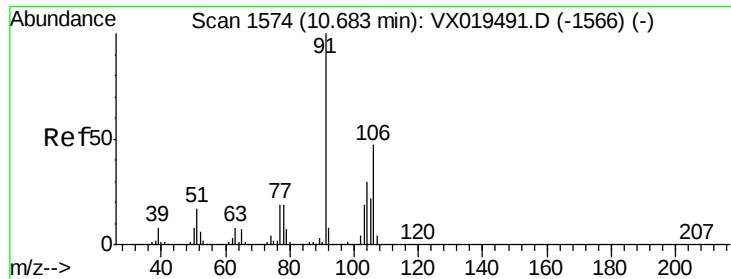
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#68
m/p-Xylenes
Concen: 33.079 ug/l
RT: 10.34 min Scan# 1518
Delta R.T. -0.00 min
Lab File: VX019653.D
Acq: 25 Nov 2020 13:58

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
106	100		211858		
91	205.1	163.3	244.9		





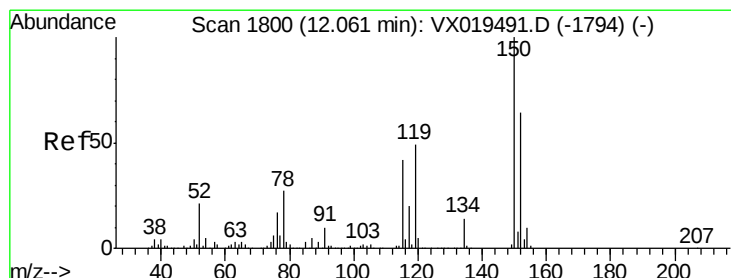
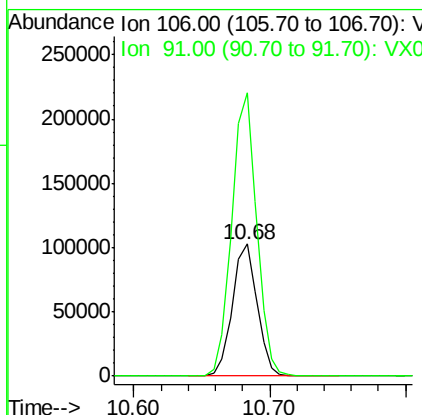
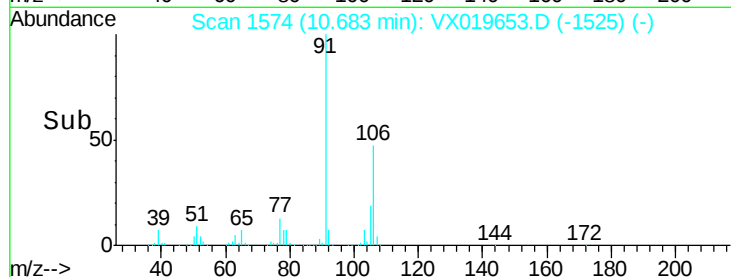
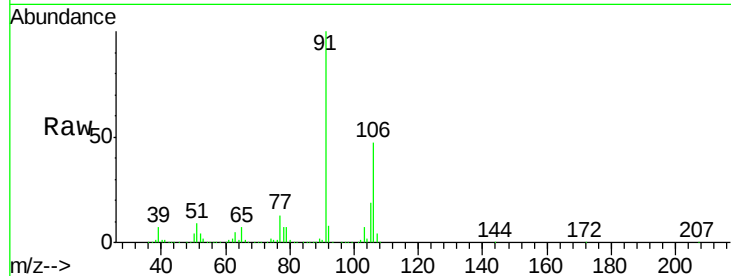
#69
o-Xylene
Concen: 21.287 ug/l
RT: 10.68 min Scan# 1574
Delta R.T. -0.00 min
Lab File: VX019653.D
Acq: 25 Nov 2020 13:58

Instrument :
MSVOA_X
ClientSampled :
40741DL

Tot Ion	Ratio	Resp	Lower	Upper
106	100	130326		
91	215.5	108.0	324.0	

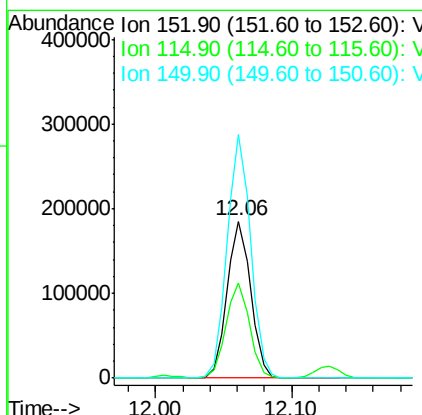
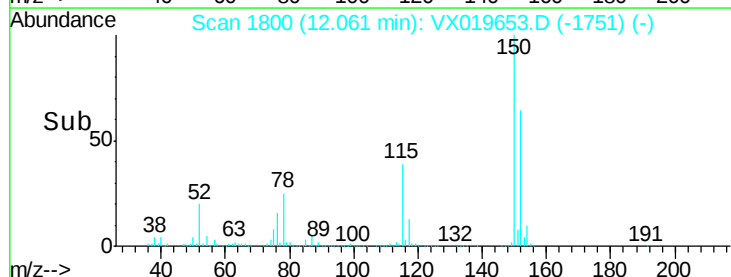
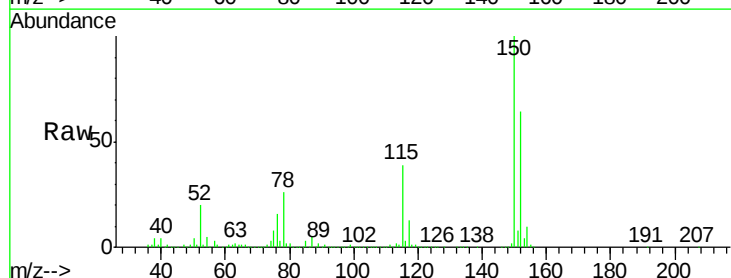
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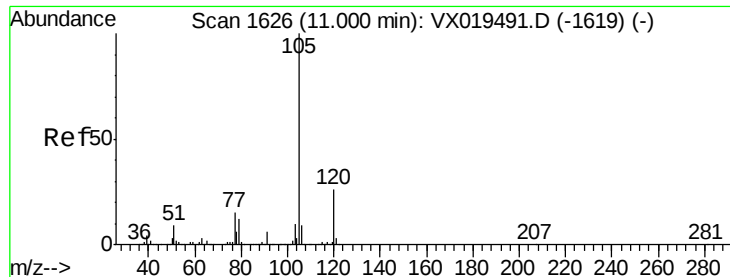
MMDadoda
11/30/2020 9:53:54 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX019653.D
Acq: 25 Nov 2020 13:58

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	222155		
115	60.7	41.8	125.4	
150	155.1	0.0	348.2	





#73

Isopropylbenzene

Concen: 2.548 ug/l

RT: 11.00 min Scan# 1626

Delta R.T. -0.00 min

Lab File: VX019653.D

Acq: 25 Nov 2020 13:58

Instrument :

MSVOA_X

ClientSampleId :

40741DL

Tot Ion: 105 Resp: 39160

Ion Ratio Lower Upper

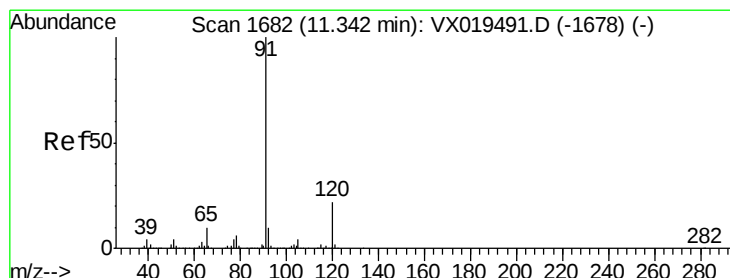
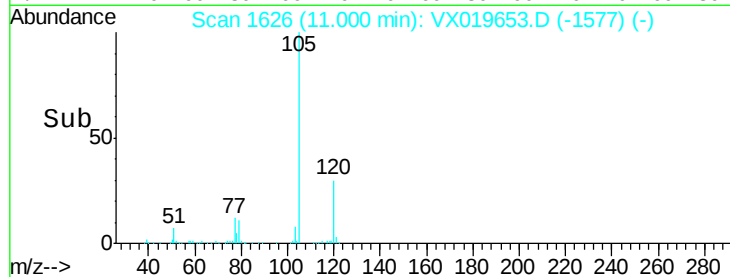
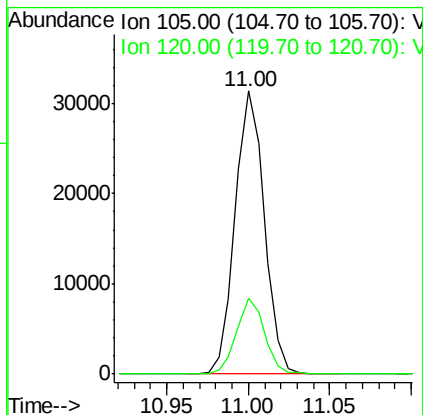
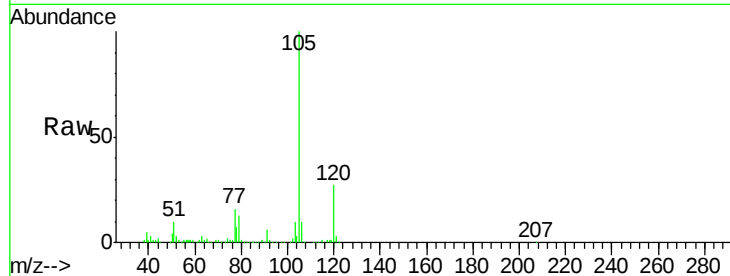
105 100

120 25.9 13.0 39.0

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#78

n-propylbenzene

Concen: 10.362 ug/l

RT: 11.34 min Scan# 1682

Delta R.T. -0.00 min

Lab File: VX019653.D

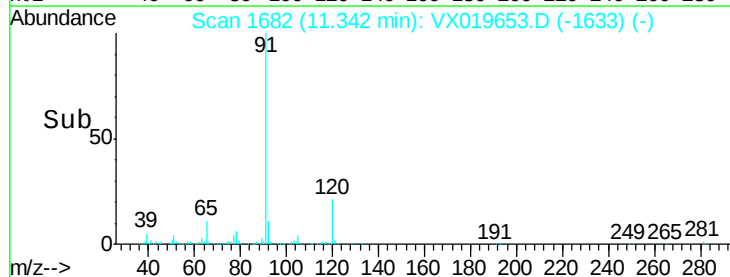
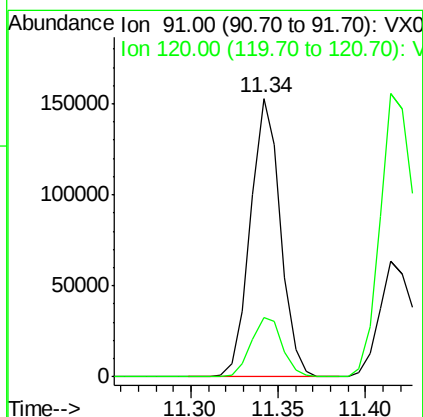
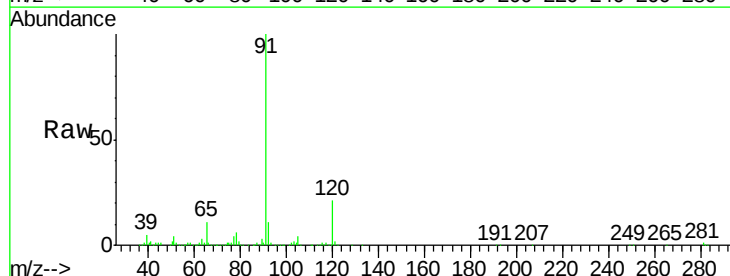
Acq: 25 Nov 2020 13:58

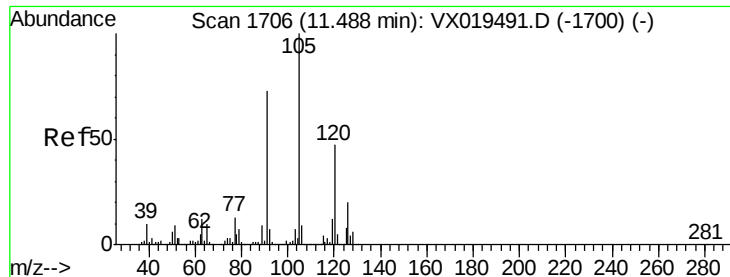
Tgt Ion: 91 Resp: 182679

Ion Ratio Lower Upper

91 100

120 22.2 11.5 34.4





#80

1,3,5-Trimethylbenzene

Concen: 20.425 ug/l

RT: 11.49 min Scan# 1706

Delta R.T. -0.00 min

Lab File: VX019653.D

Acq: 25 Nov 2020 13:58

Instrument :

MSVOA_X

ClientSampleId :

40741DL

Tot Ion:105 Resp: 263318

Ion Ratio Lower Upper

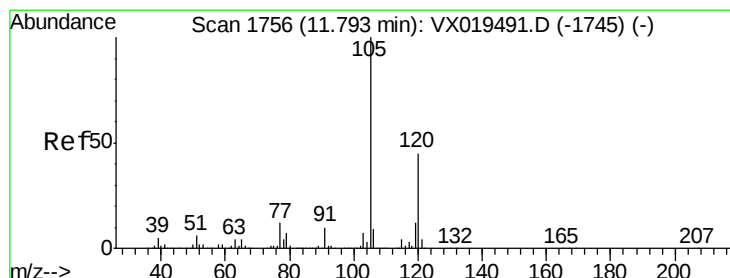
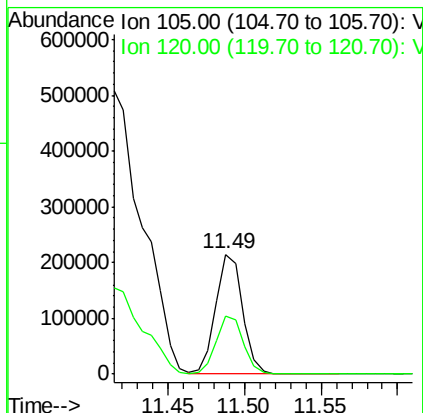
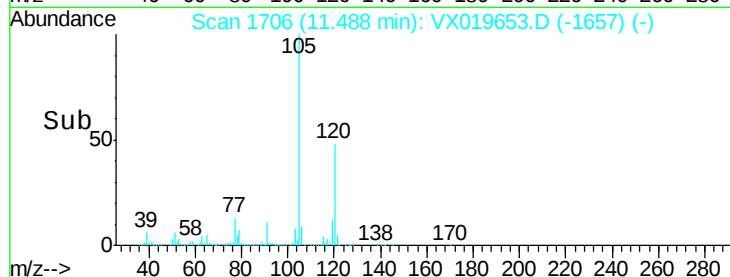
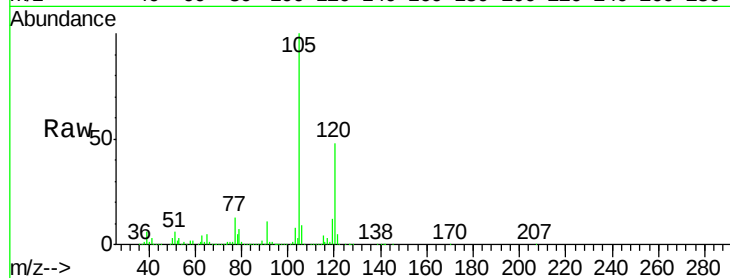
105 100

120 48.5 24.1 72.3

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 86.978 ug/l

RT: 11.79 min Scan# 1756

Delta R.T. -0.00 min

Lab File: VX019653.D

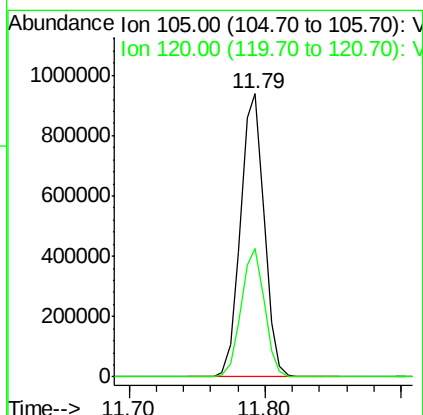
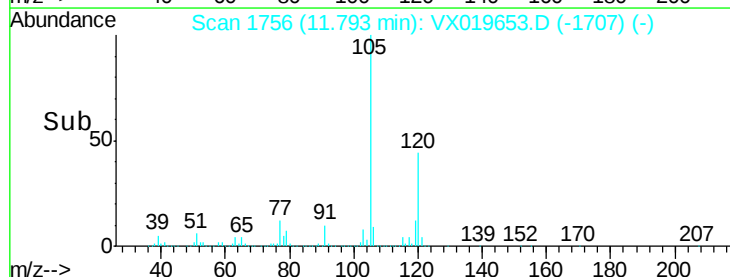
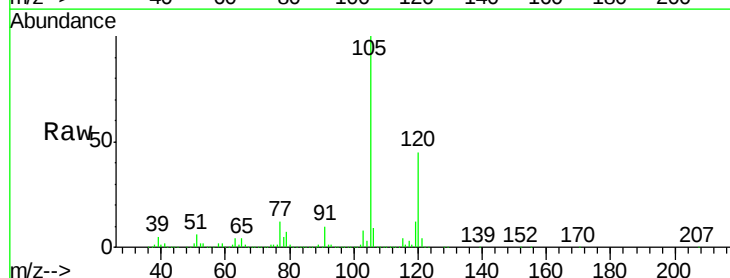
Acq: 25 Nov 2020 13:58

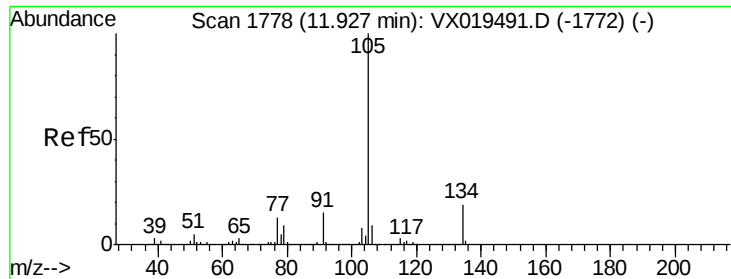
Tgt Ion:105 Resp: 1134562

Ion Ratio Lower Upper

105 100

120 44.8 22.2 66.6





#85

sec-Butylbenzene

Concen: 1.905 ug/l m

RT: 11.93 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VX019653.D

Acq: 25 Nov 2020 13:58

Instrument :

MSVOA_X

ClientSampled :

40741DL

Tot Ion:105 Resp: 28270

Ion Ratio Lower Upper

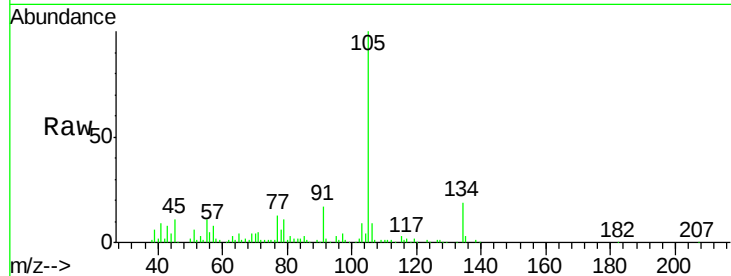
105 100

134 0.0 10.1 30.3#

Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.93

25000

20000

15000

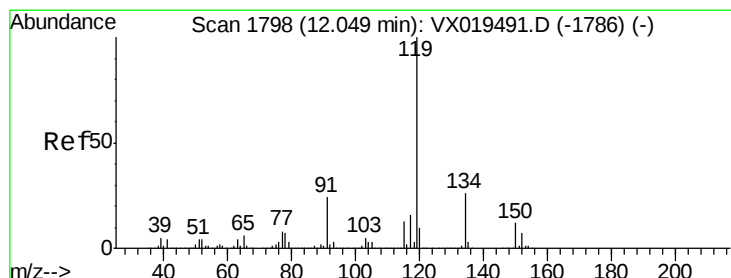
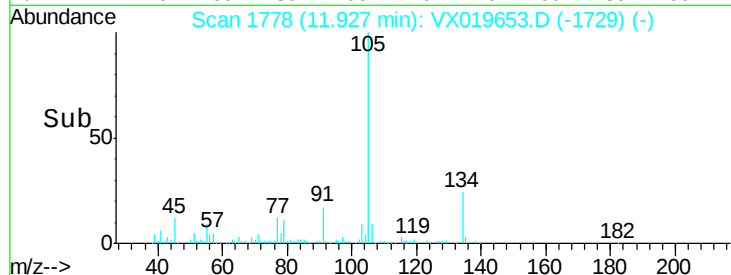
10000

5000

0

Time-->

11.90 11.95 12.00



#86

p-Isopropyltoluene

Concen: 1.333 ug/l

RT: 12.05 min Scan# 1798

Delta R.T. -0.00 min

Lab File: VX019653.D

Acq: 25 Nov 2020 13:58

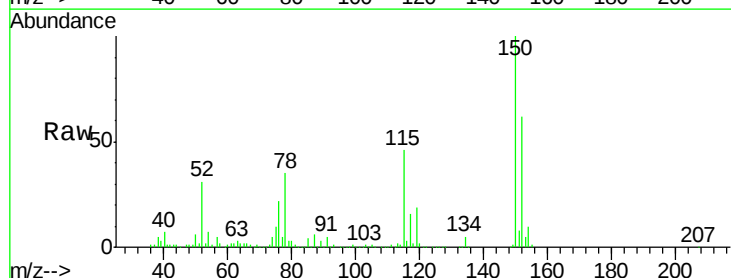
Tgt Ion:119 Resp: 17955

Ion Ratio Lower Upper

119 100

134 26.5 13.1 39.3

91 28.4 11.8 35.4



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

50000

40000

30000

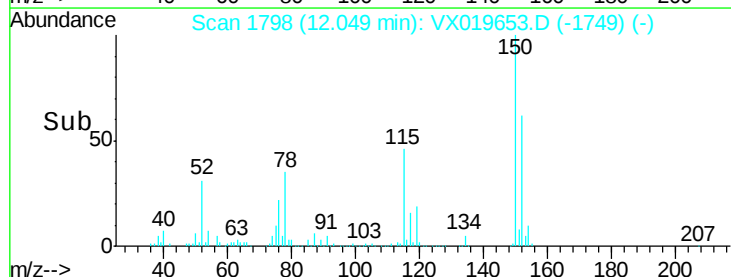
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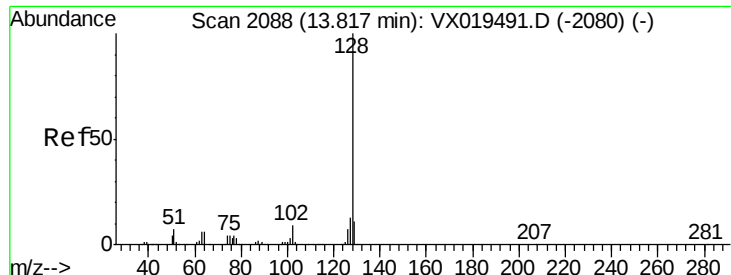
10000

0

Time-->

12.05 12.10





#95
Naphthalene
Concen: 32.857 ug/l
RT: 13.82 min Scan# 2088
Delta R.T. 0.00 min
Lab File: VX019653.D
Acq: 25 Nov 2020 13:58

Instrument :
MSVOA_X
ClientSampleId :
40741DL

Tot Ion	Ratio	Resp Lower	Resp Upper
128	100		
127	12.6	10.3	15.5
129	11.2	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
11/30/2020 9:53:54 AM

