

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102220\
 Data File : VX019054.D
 Acq On : 23 Oct 2020 02:27
 Operator : JC/SP
 Sample : L4417-17
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-10

Manual Integrations
 APPROVED

MMDadoda
 10/23/2020 1:20:15 PM

Quant Time: Oct 23 09:42:21 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102120W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 22 17:51:42 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	275234	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	487056	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	476648	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	285216	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.03	65	166894	50.62	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.24%	
35) Dibromofluoromethane	5.46	113	148440	48.14	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.28%	
50) Toluene-d8	8.70	98	633433	53.83	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.66%	
62) 4-Bromofluorobenzene	11.12	95	242685	57.98	ug/l	0.00
Spiked Amount 50.000			Recovery	=	115.96%	
Target Compounds						
					Qvalue	
25) 2-Butanone	4.64	43	17522	9.875	ug/l	98
31) Cyclohexane	5.56	56	528032	136.768	ug/l	95
39) Methylcyclohexane	7.44	83	447062	91.306	ug/l	94
40) Benzene	6.12	78	31510	2.448	ug/l	99
52) Toluene	8.76	92	62909	7.400	ug/l	98
59) 2-Hexanone	9.48	43	12940	4.665	ug/l	60
67) Ethyl Benzene	10.24	91	10524709	610.689	ug/l #	85
68) m/p-Xylenes	10.35	106	8631242	1307.407	ug/l	75
69) o-Xylene	10.68	106	245241	38.814	ug/l	99
73) Isopropylbenzene	11.01	105	9082160	442.648	ug/l	92
78) n-propylbenzene	11.35	91	10480119	450.772	ug/l	91
80) 1,3,5-Trimethylbenzene	11.49	105	9830563	580.201	ug/l	91
84) 1,2,4-Trimethylbenzene	11.79	105	18199965m	1072.725	ug/l	
85) sec-Butylbenzene	11.93	105	401447m	19.876	ug/l	
86) p-Isopropyltoluene	12.05	119	112425m	6.092	ug/l	
89) n-Butylbenzene	12.36	91	712365m	42.170	ug/l	
95) Naphthalene	13.82	128	5471082	268.179	ug/l	98

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

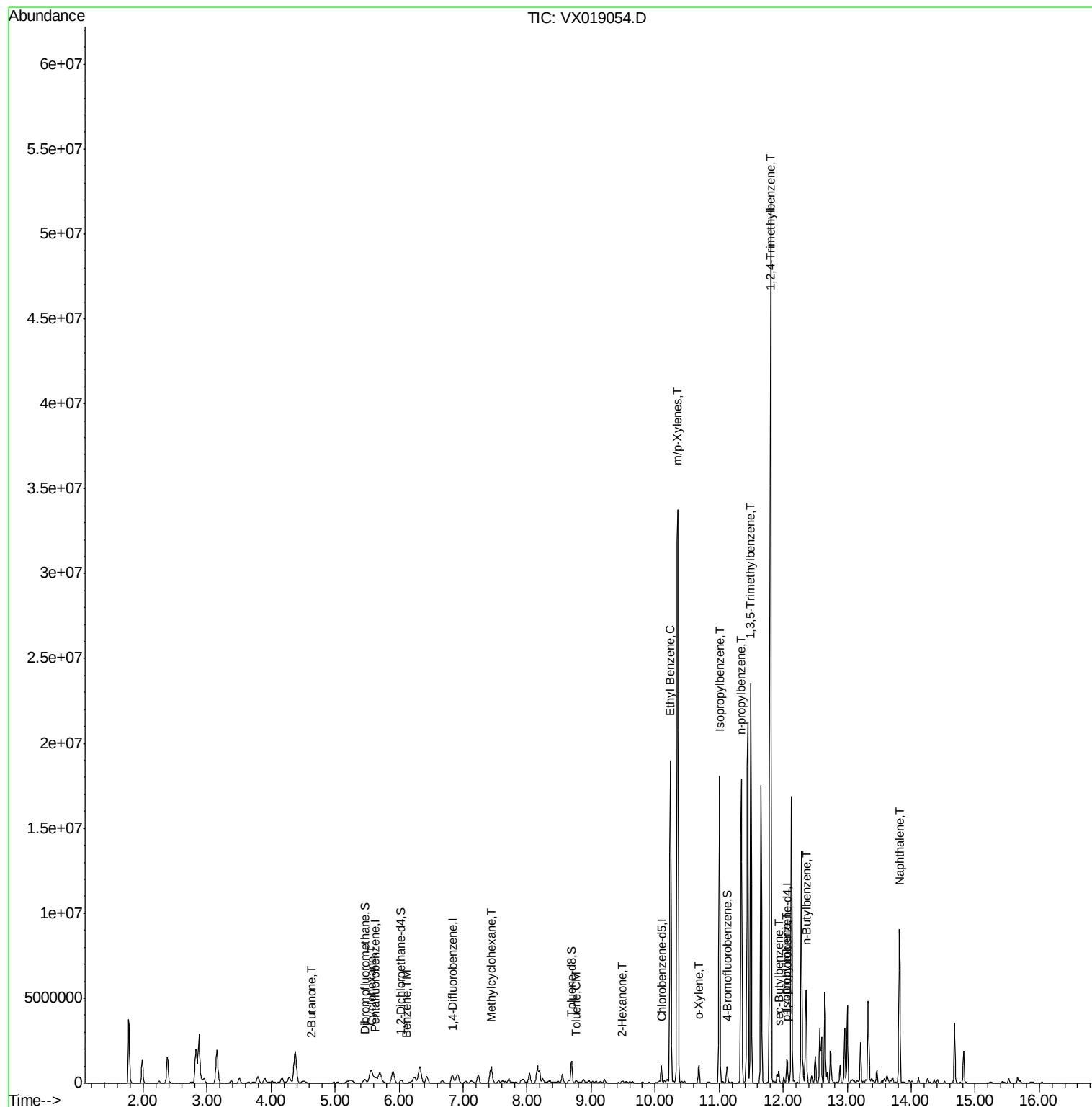
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX102220\
Data File : VX019054.D
Acq On : 23 Oct 2020 02:27
Operator : JC/SP
Sample : L4417-17
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 45 Sample Multiplier: 1

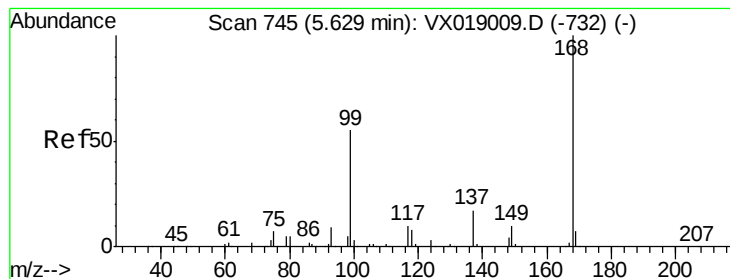
Instrument :
MSVOA_X
ClientSampleId :
MW-10

Manual Integrations
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Quant Time: Oct 23 09:42:21 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X102120W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 22 17:51:42 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 746

Delta R.T. 0.01 min

Lab File: VX019054.D

Acq: 23 Oct 2020 02:27

Instrument :

MSVOA_X

ClientSampleId :

MW-10

Tot Ion:168 Resp: 275234

Ion Ratio Lower Upper

168 100

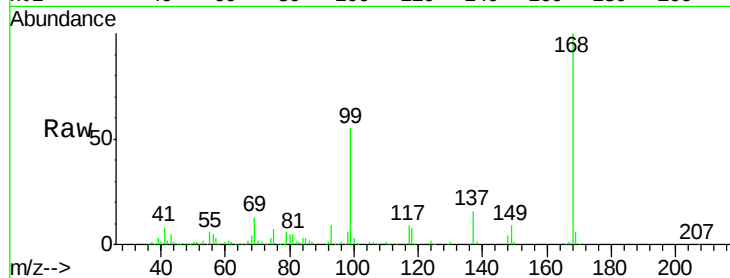
99 55.1 44.2 66.2

Manual Integrations

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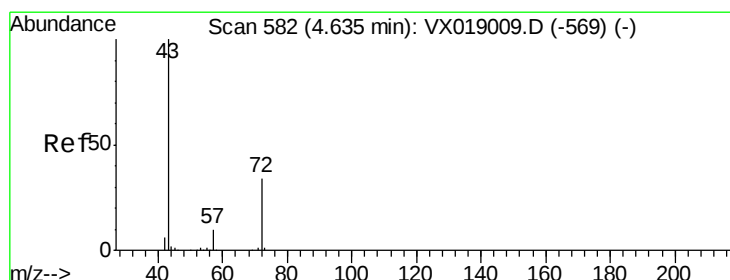
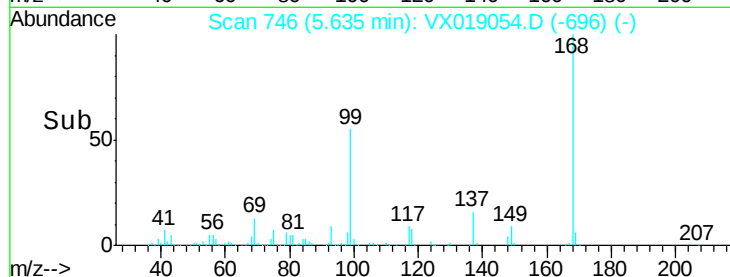
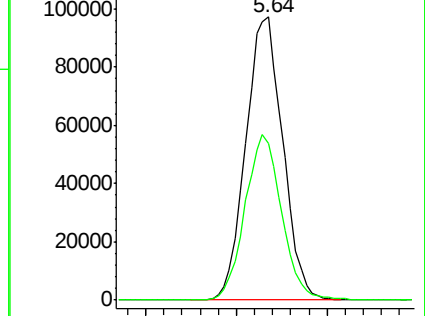
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#25

2-Butanone

Concen: 9.875 ug/l

RT: 4.64 min Scan# 582

Delta R.T. -0.00 min

Lab File: VX019054.D

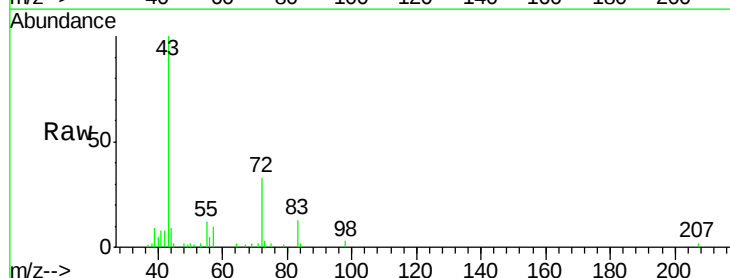
Acq: 23 Oct 2020 02:27

Tgt Ion: 43 Resp: 17522

Ion Ratio Lower Upper

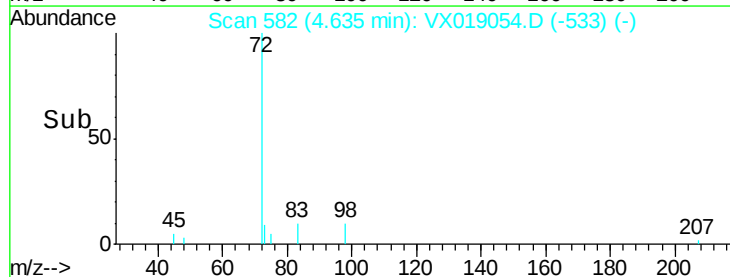
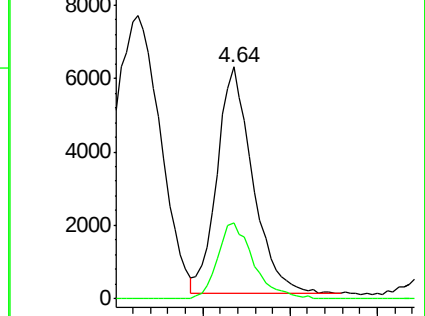
43 100

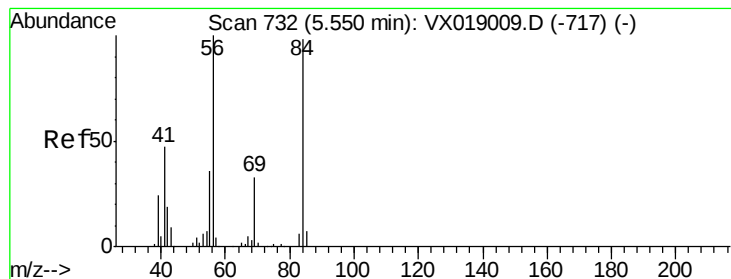
72 33.7 27.8 41.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0





#31

Cyclohexane

Concen: 136.768 ug/l

RT: 5.56 min Scan# 733

Delta R.T. 0.01 min

Lab File: VX019054.D

Acq: 23 Oct 2020 02:27

Instrument :

MSVOA_X

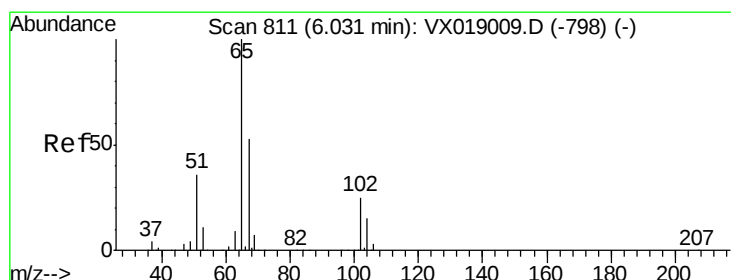
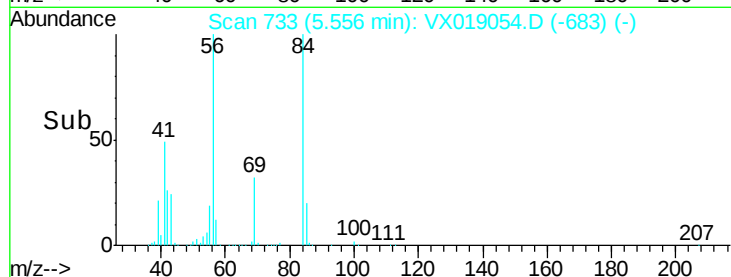
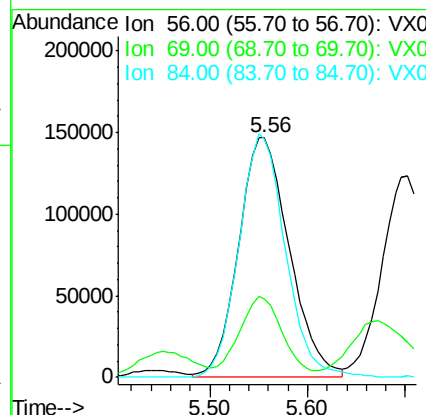
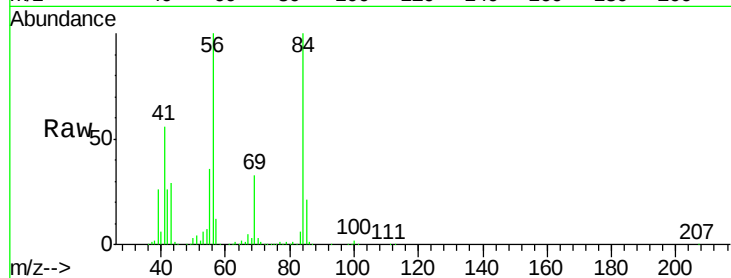
ClientSampled :

MW-10

Tot Ion:	56	Resp:	528032
Ion	Ratio	Lower	Upper
56	100		
69	26.7	26.2	39.2
84	100.9	78.3	117.5

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#33

1,2-Dichloroethane-d4

Concen: 50.622 ug/l

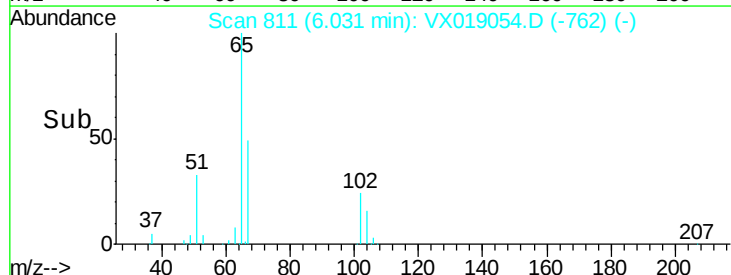
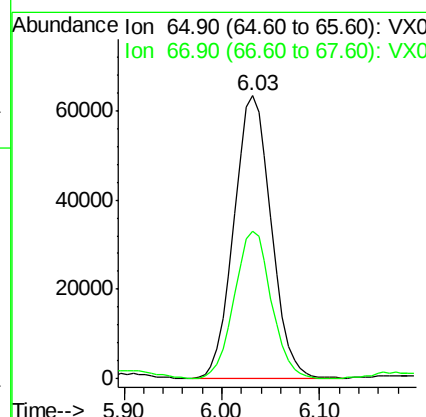
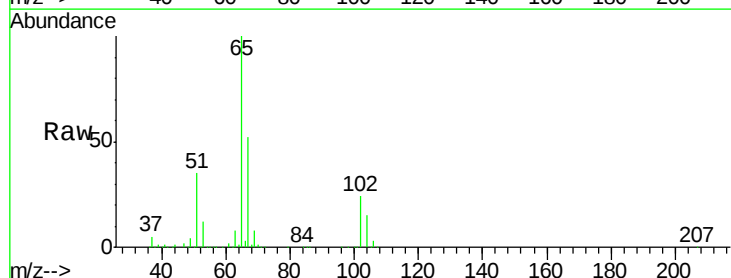
RT: 6.03 min Scan# 811

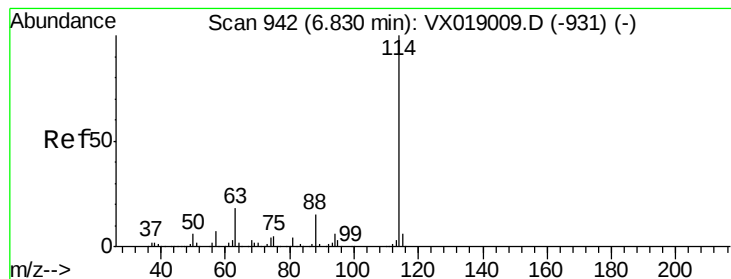
Delta R.T. -0.00 min

Lab File: VX019054.D

Acq: 23 Oct 2020 02:27

Tgt Ion:	65	Resp:	166894
Ion	Ratio	Lower	Upper
65	100		
67	51.4	0.0	107.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. -0.00 min

Lab File: VX019054.D

Acq: 23 Oct 2020 02:27

Instrument :

MSVOA_X

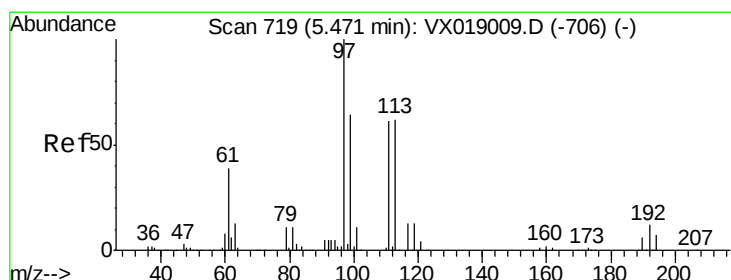
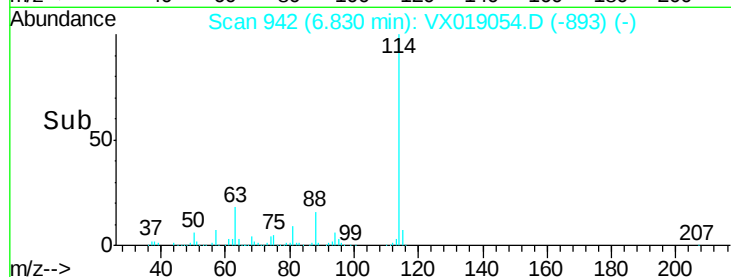
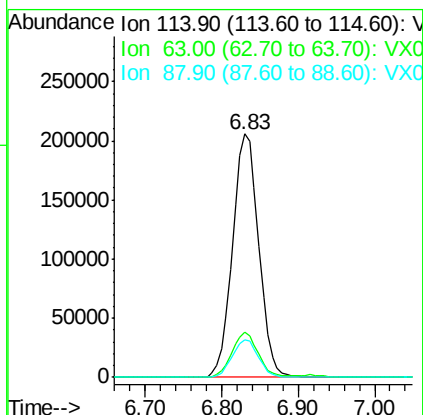
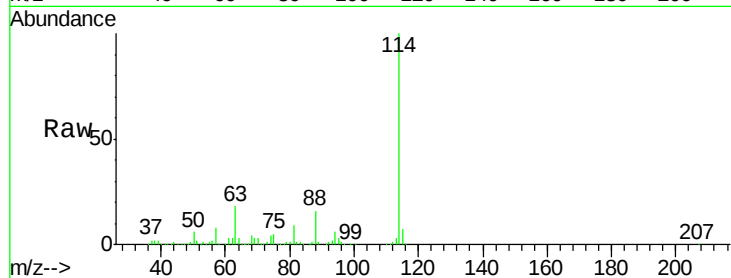
ClientSampleId :

MW-10

Tot Ion:	114	Resp:	487056
Ion Ratio	Lower	Upper	
114	100		
63	18.4	0.0	36.8
88	15.6	0.0	30.2

Manual Integrations
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#35

Dibromofluoromethane

Concen: 48.137 ug/l

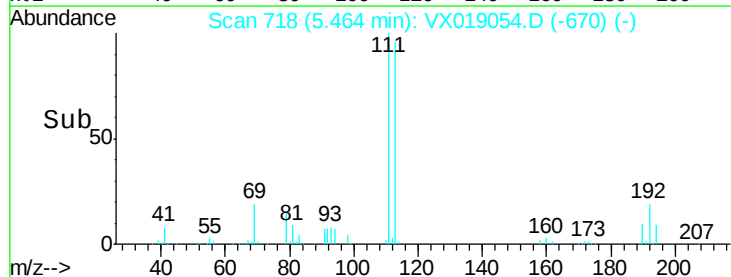
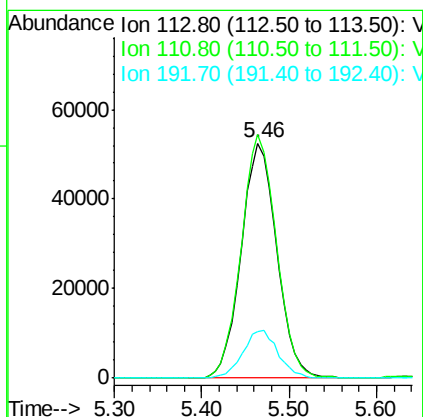
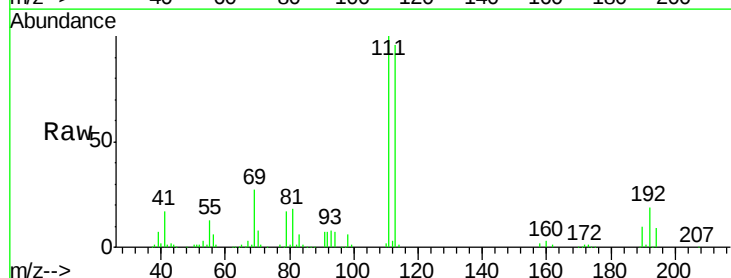
RT: 5.46 min Scan# 718

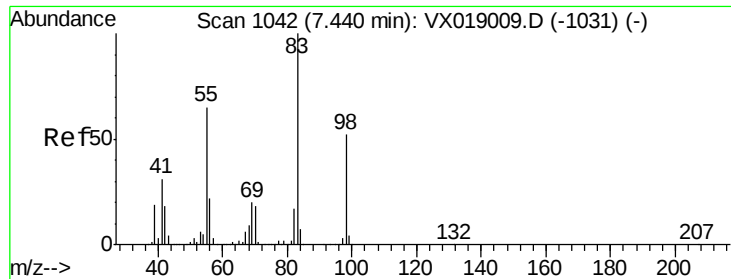
Delta R.T. -0.01 min

Lab File: VX019054.D

Acq: 23 Oct 2020 02:27

Tgt Ion:	113	Resp:	148440
Ion Ratio	Lower	Upper	
113	100		
111	102.8	81.5	122.3
192	20.1	16.3	24.5





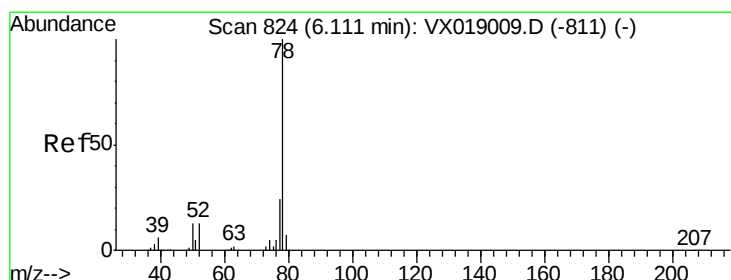
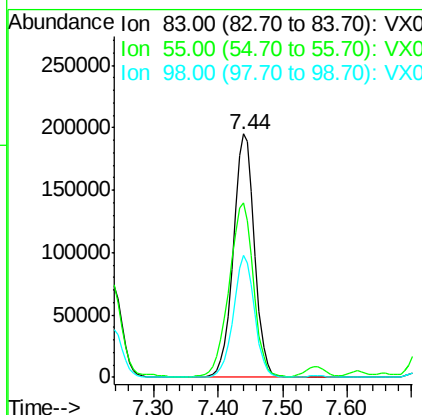
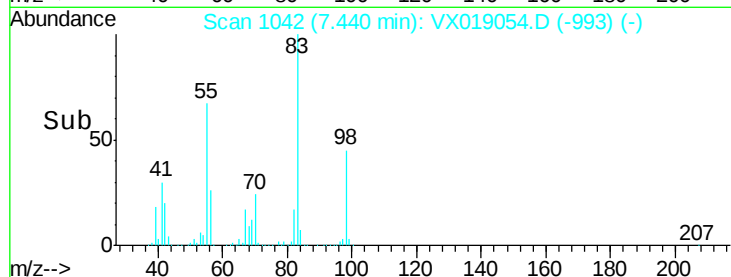
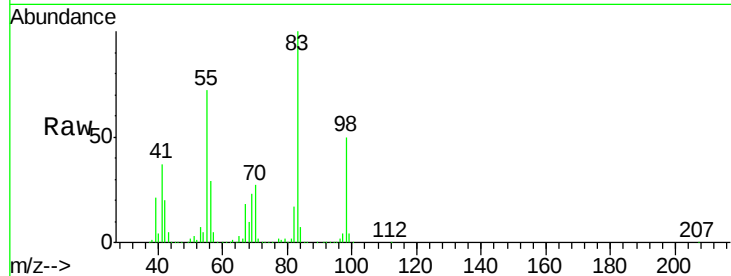
#39
Methvlcvclohexane
Concen: 91.306 ug/l
RT: 7.44 min Scan# 1042
Delta R.T. -0.00 min
Lab File: VX019054.D
Acq: 23 Oct 2020 02:27

Instrument :
MSVOA_X
ClientSampled :
MW-10

Tot Ion	83	Resp	447062
Ion Ratio	100	Lower	Upper
83	100		
55	71.5	51.8	77.6
98	49.9	41.4	62.2

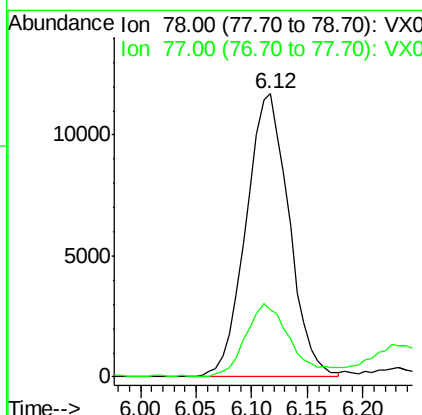
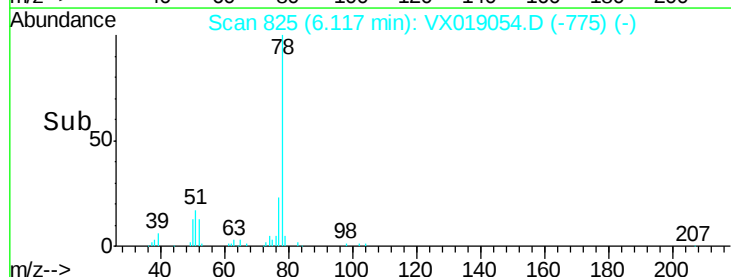
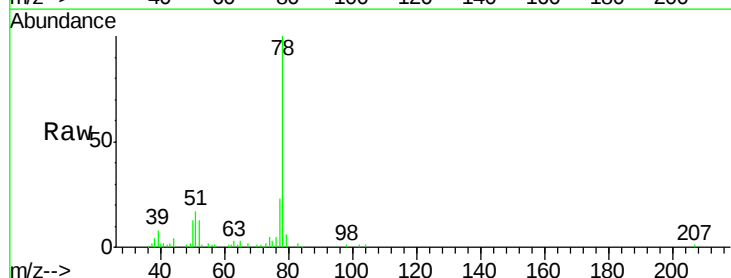
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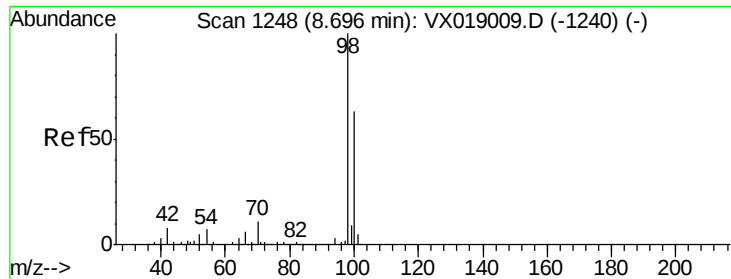
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#40
Benzene
Concen: 2.448 ug/l
RT: 6.12 min Scan# 825
Delta R.T. 0.01 min
Lab File: VX019054.D
Acq: 23 Oct 2020 02:27

Tgt Ion	78	Resp	31510
Ion Ratio	100	Lower	Upper
78	100		
77	23.5	19.3	28.9





#50

Toluene-d8

Concen: 53.829 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX019054.D

Acq: 23 Oct 2020 02:27

Instrument :

MSVOA_X

ClientSampled :

MW-10

Tot Ion: 98 Resp: 633433

Ion Ratio Lower Upper

98 100

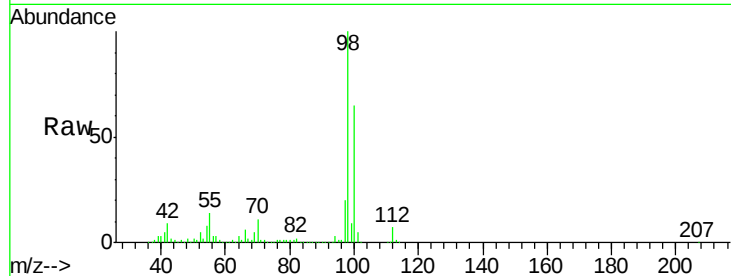
100 63.8 52.1 78.1

Manual Integrations

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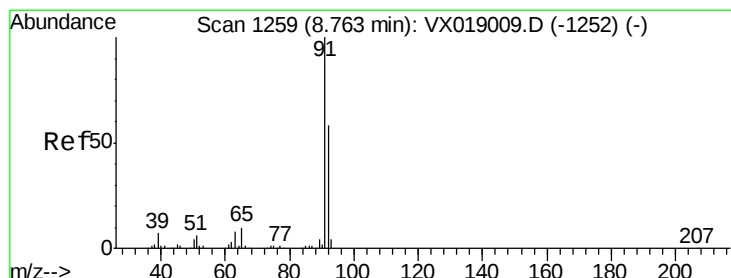
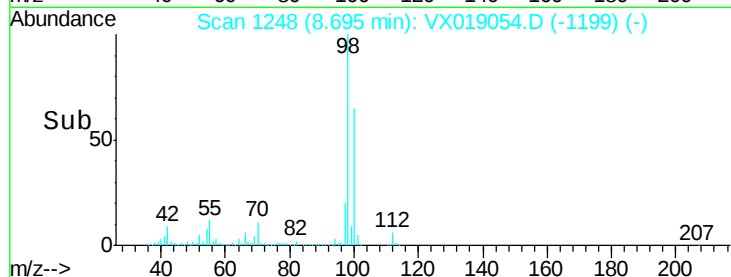
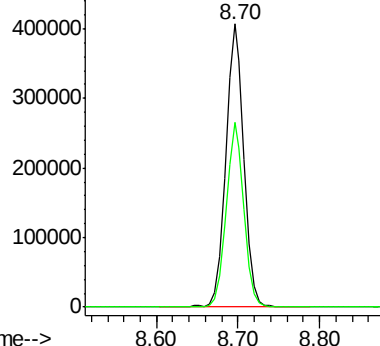
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Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0



#52

Toluene

Concen: 7.400 ug/l

RT: 8.76 min Scan# 1259

Delta R.T. -0.00 min

Lab File: VX019054.D

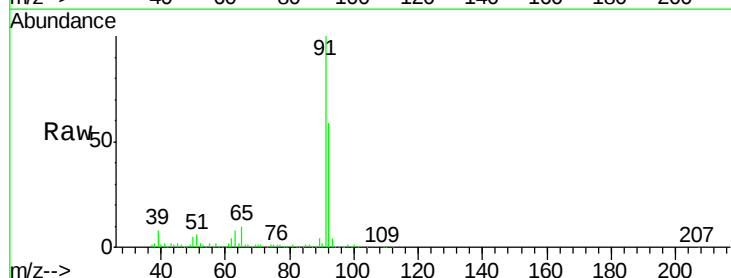
Acq: 23 Oct 2020 02:27

Tgt Ion: 92 Resp: 62909

Ion Ratio Lower Upper

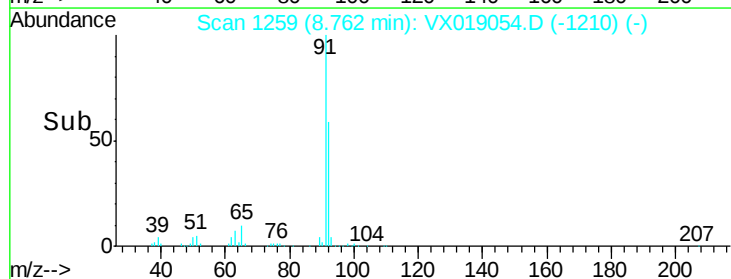
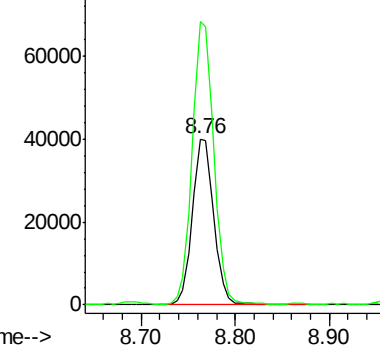
92 100

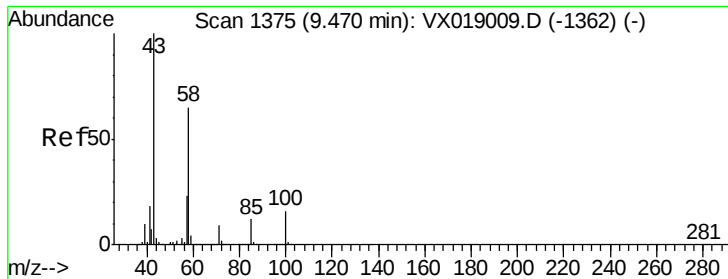
91 171.1 138.6 208.0



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





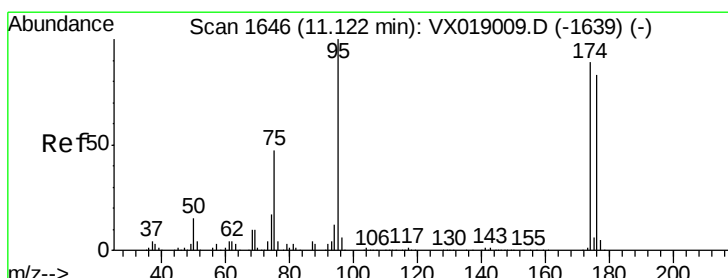
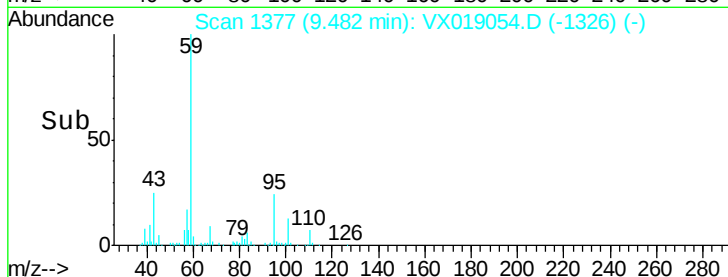
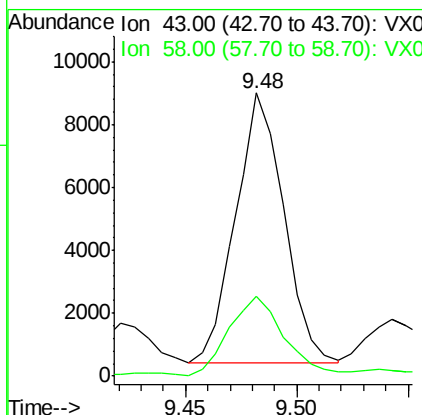
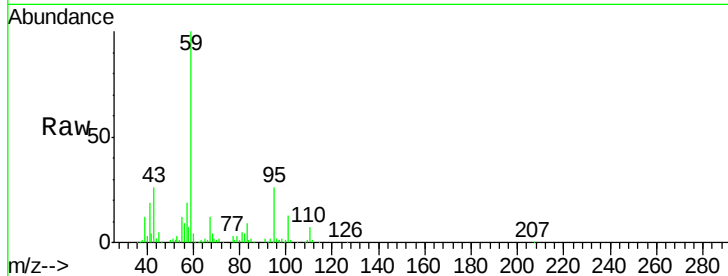
#59
2-Hexanone
Concen: 4.665 ug/l
RT: 9.48 min Scan# 1377
Delta R.T. 0.01 min
Lab File: VX019054.D
Acq: 23 Oct 2020 02:27

Instrument :
MSVOA_X
ClientSampleId :
MW-10

Tot Ion: 43 Resp: 12940
Ion Ratio Lower Upper
43 100
58 34.2 32.8 98.4

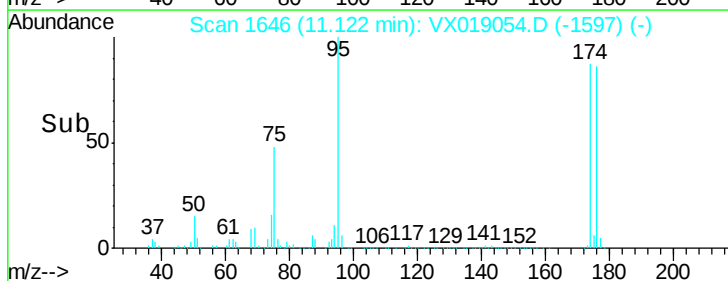
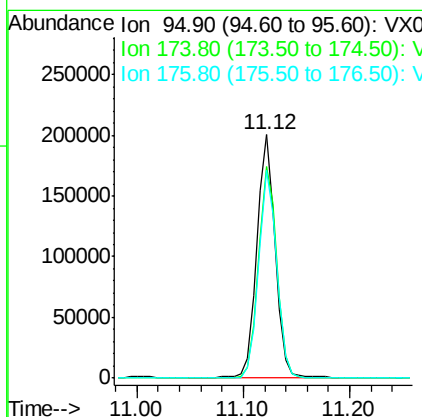
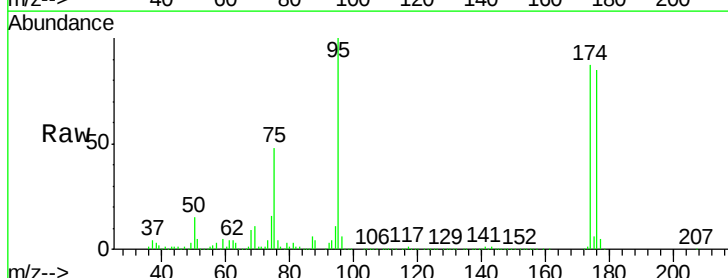
Manual Integrations
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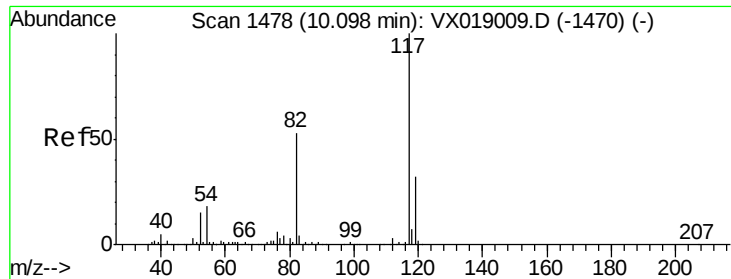
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#62
4-Bromofluorobenzene
Concen: 57.979 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX019054.D
Acq: 23 Oct 2020 02:27

Tgt Ion: 95 Resp: 242685
Ion Ratio Lower Upper
95 100
174 87.1 0.0 167.6
176 83.9 0.0 165.2





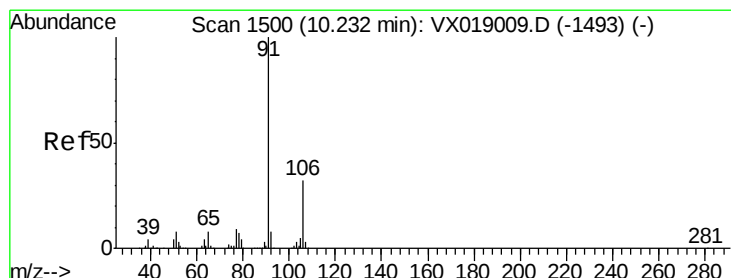
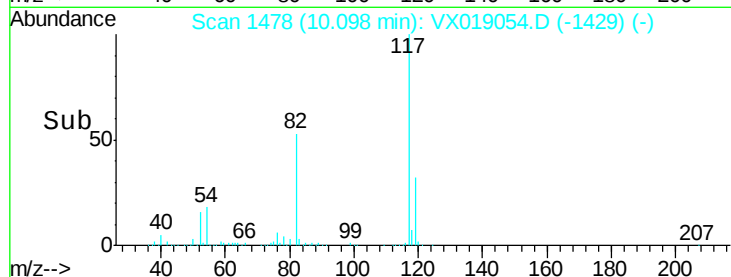
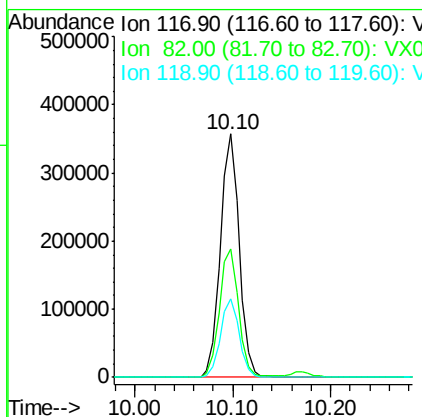
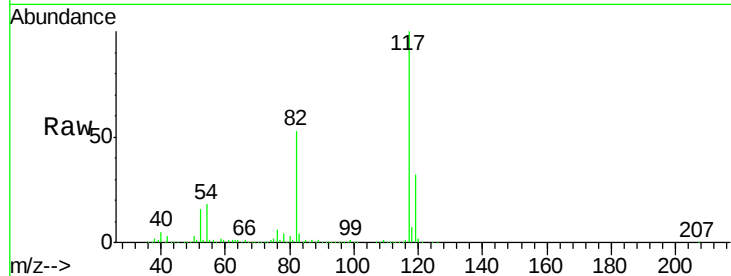
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX019054.D
Acq: 23 Oct 2020 02:27

Instrument :
MSVOA_X
ClientSampled :
MW-10

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.8	42.4	63.6
119	32.1	25.6	38.4

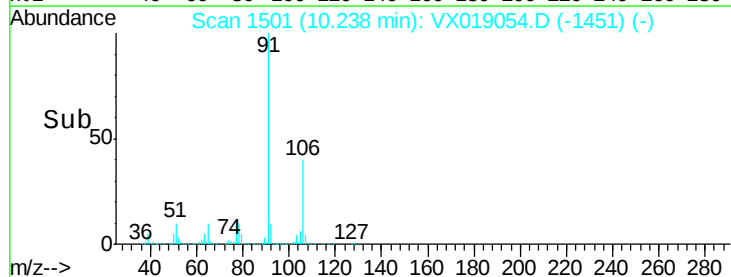
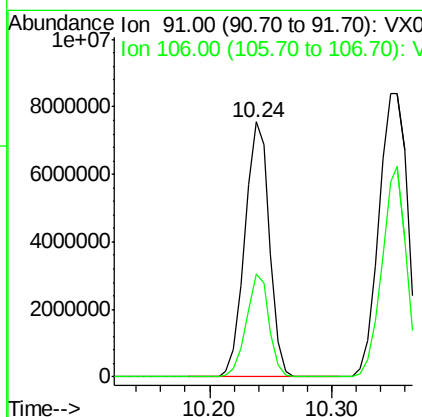
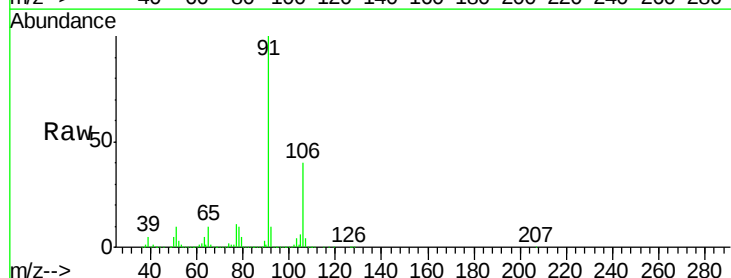
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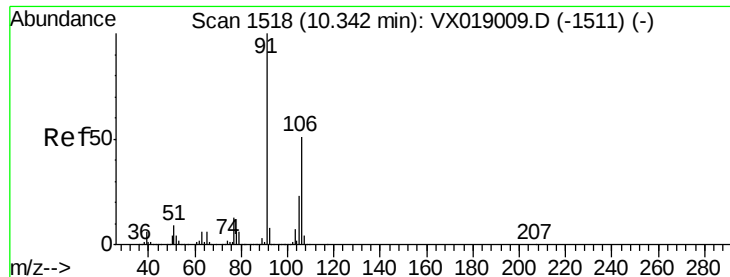
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#67
Ethyl Benzene
Concen: 610.689 ug/l
RT: 10.24 min Scan# 1501
Delta R.T. 0.01 min
Lab File: VX019054.D
Acq: 23 Oct 2020 02:27

Tgt Ion	Ratio	Lower	Upper
91	100		
106	40.2	25.3	37.9#





#68

m/p-Xylenes

Concen: 1307.407 ug/l

RT: 10.35 min Scan# 1520

Delta R.T. 0.01 min

Lab File: VX019054.D

Acq: 23 Oct 2020 02:27

Instrument :

MSVOA_X

ClientSampleId :

MW-10

Tot Ion:106 Resp: 8631242

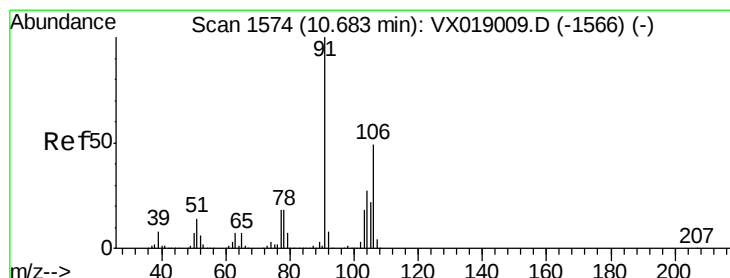
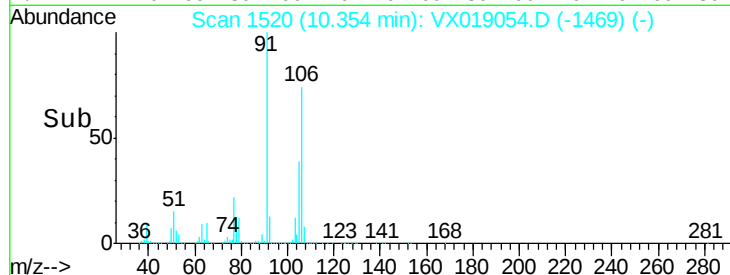
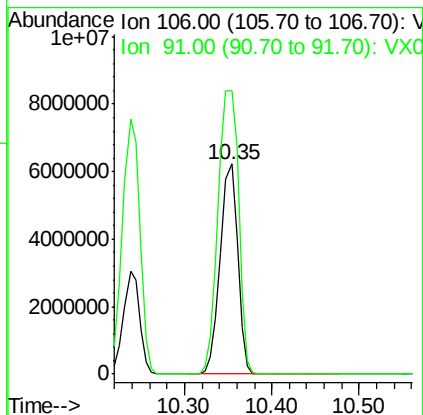
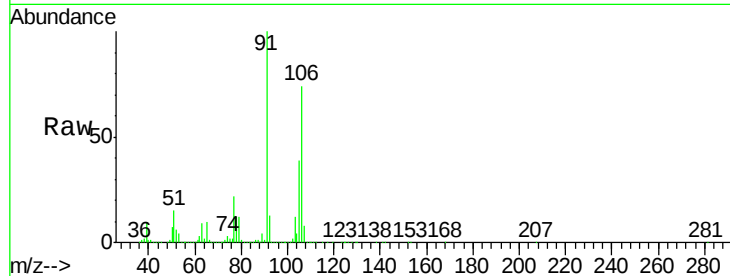
Ion Ratio Lower Upper

106 100

91 158.8 156.9 235.3

Manual Integrations
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#69

o-Xylene

Concen: 38.814 ug/l

RT: 10.68 min Scan# 1574

Delta R.T. -0.00 min

Lab File: VX019054.D

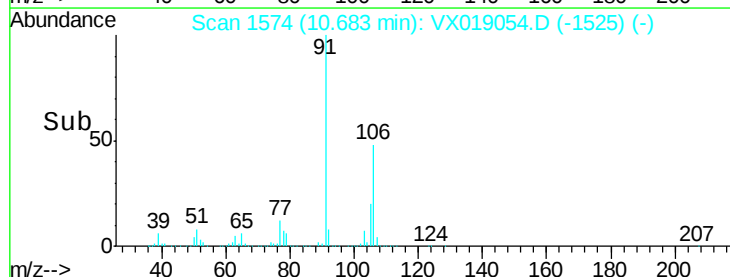
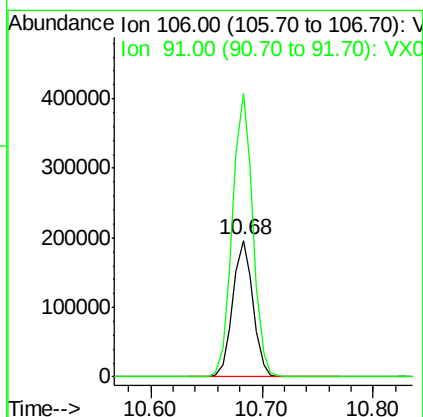
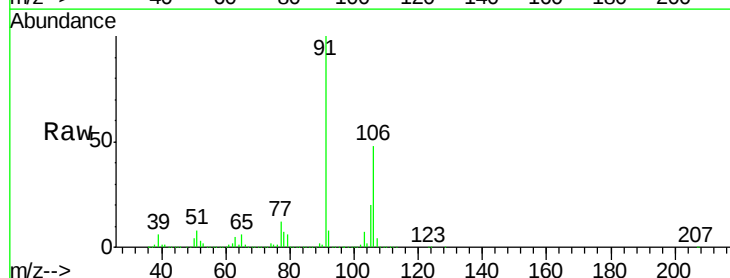
Acq: 23 Oct 2020 02:27

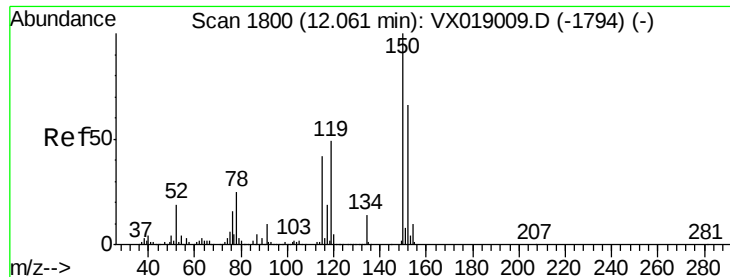
Tgt Ion:106 Resp: 245241

Ion Ratio Lower Upper

106 100

91 209.1 104.0 312.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX019054.D

Acq: 23 Oct 2020 02:27

Instrument :

MSVOA_X

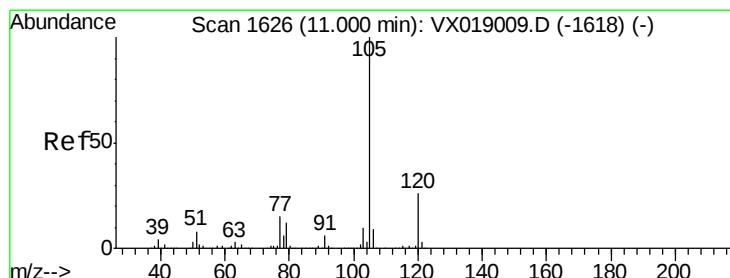
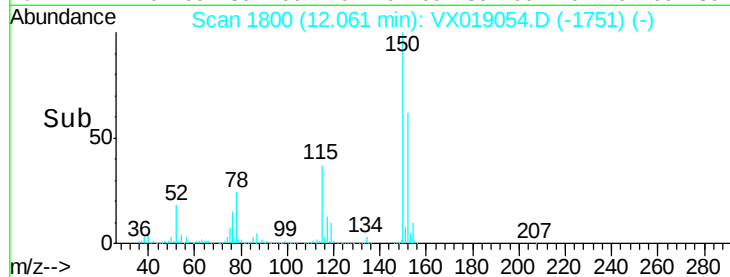
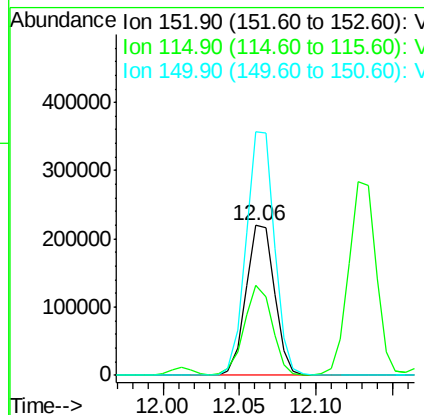
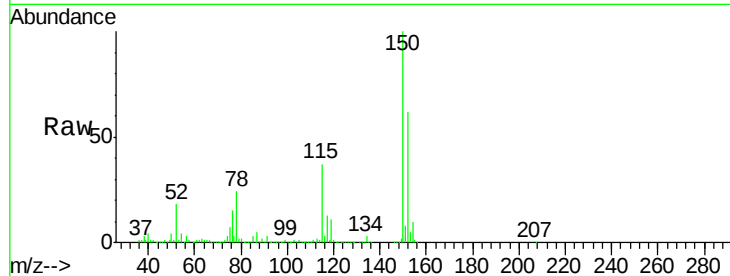
ClientSampled :

MW-10

Tot Ion	Ratio	Lower	Upper
152	100		
115	58.3	40.8	122.5
150	161.0	0.0	345.6

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#73

Isopropylbenzene

Concen: 442.648 ug/l

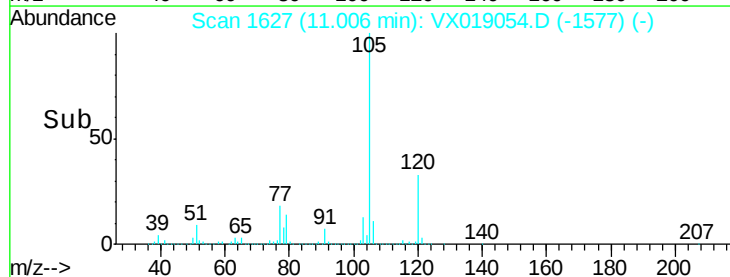
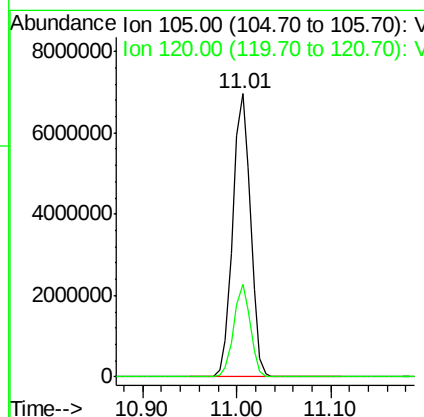
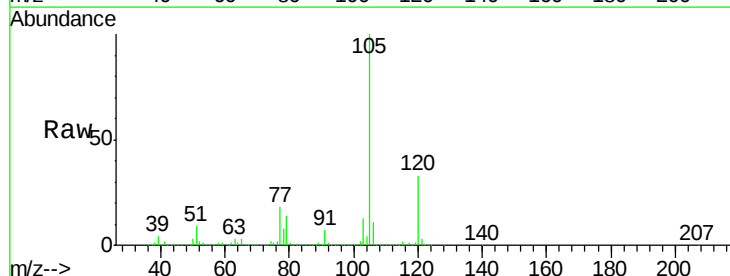
RT: 11.01 min Scan# 1627

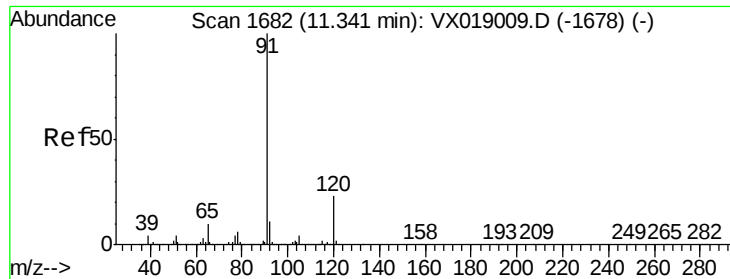
Delta R.T. 0.01 min

Lab File: VX019054.D

Acq: 23 Oct 2020 02:27

Tgt Ion	Ratio	Lower	Upper
105	100		
120	30.7	13.4	40.1





#78

n-propylbenzene

Concen: 450.772 ug/l

RT: 11.35 min Scan# 1683

Delta R.T. 0.01 min

Lab File: VX019054.D

Acq: 23 Oct 2020 02:27

Instrument :

MSVOA_X

ClientSampled :

MW-10

Tot Ion: 91 Resp: 10480119

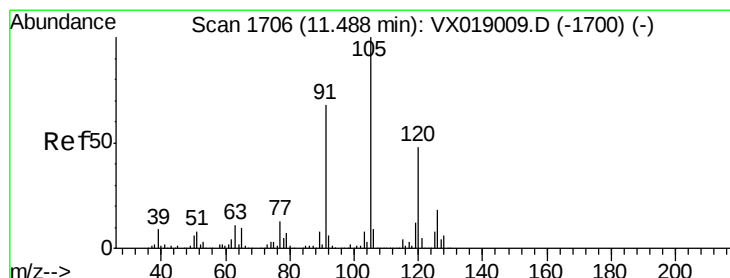
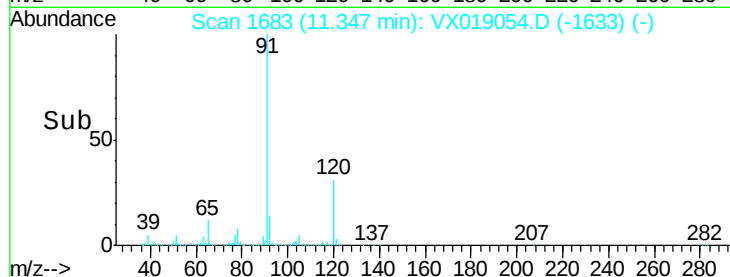
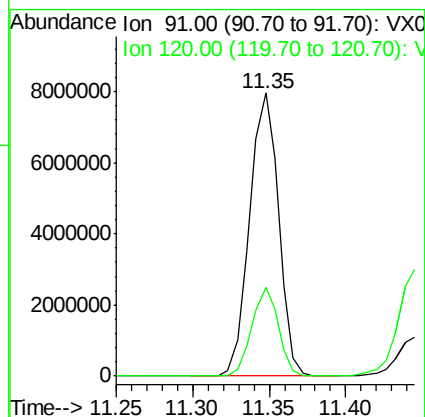
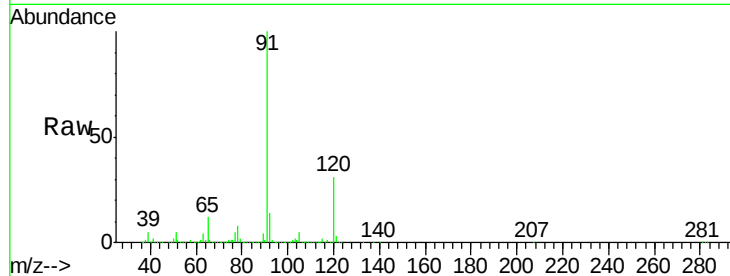
Ion Ratio Lower Upper

91 100

120 28.7 12.1 36.3

Manual Integrations
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#80

1,3,5-Trimethylbenzene

Concen: 580.201 ug/l

RT: 11.49 min Scan# 1707

Delta R.T. 0.01 min

Lab File: VX019054.D

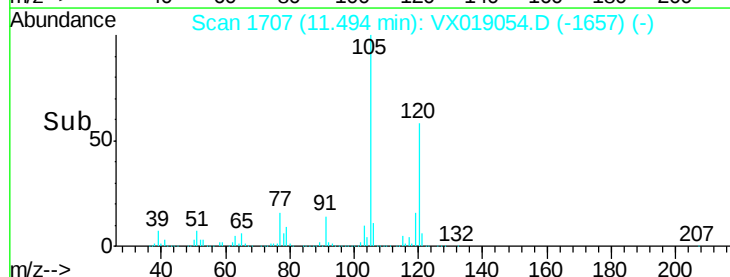
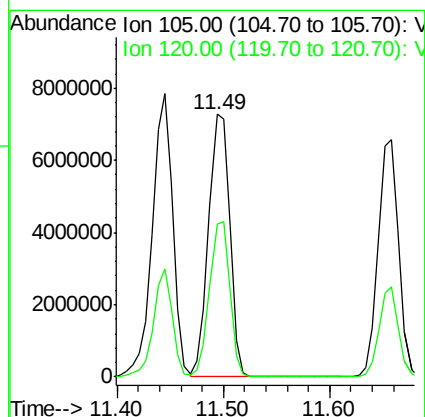
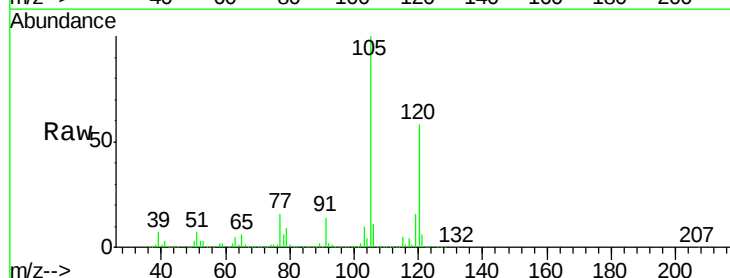
Acq: 23 Oct 2020 02:27

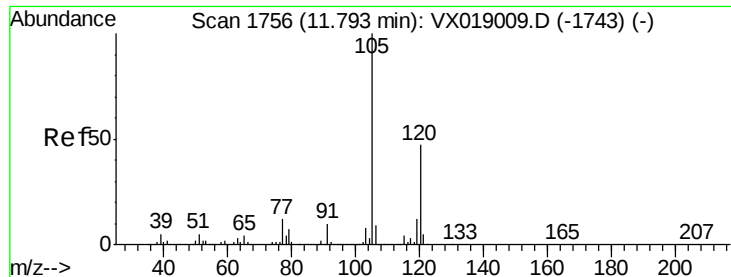
Tgt Ion: 105 Resp: 9830563

Ion Ratio Lower Upper

105 100

120 56.8 25.2 75.6





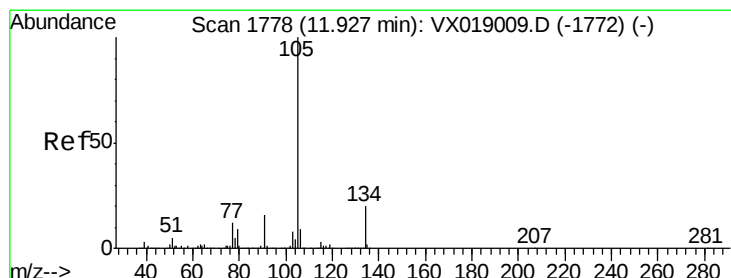
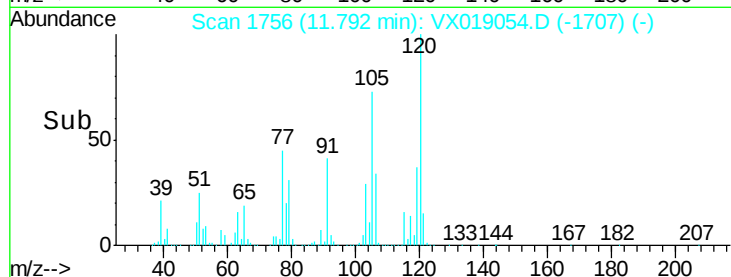
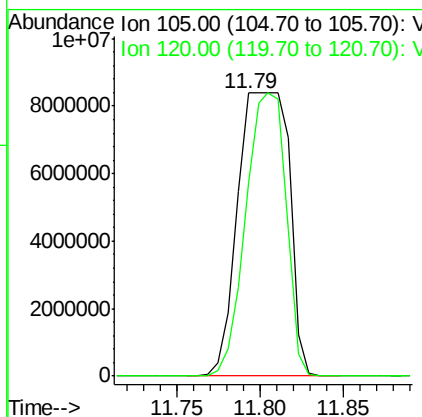
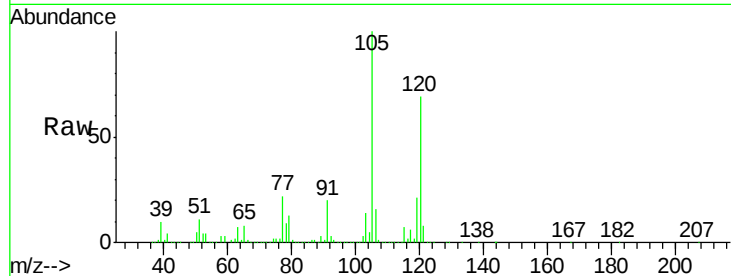
#84
 1,2,4-Trimethylbenzene
 Concen: 1072.725 ug/l m
 RT: 11.79 min Scan# 1756
 Delta R.T. -0.00 min
 Lab File: VX019054.D
 Acq: 23 Oct 2020 02:27

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-10

Tot Ion:105 Resp:18199965
 Ion Ratio Lower Upper
 105 100
 120 17.2 22.9 68.8#

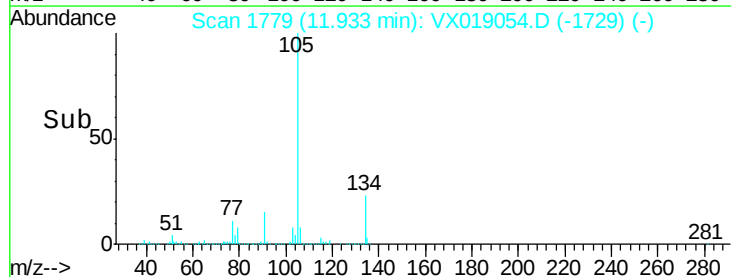
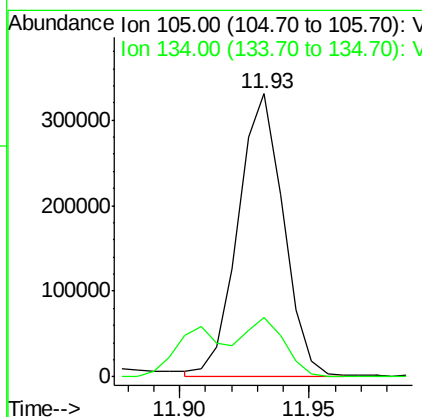
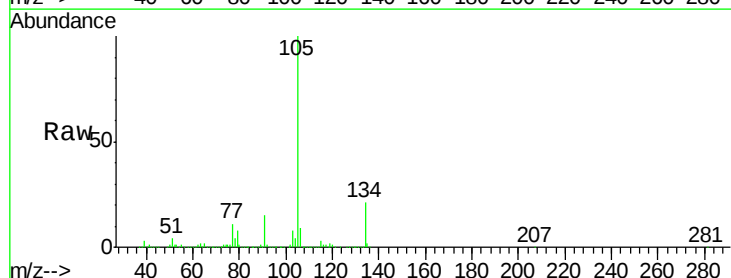
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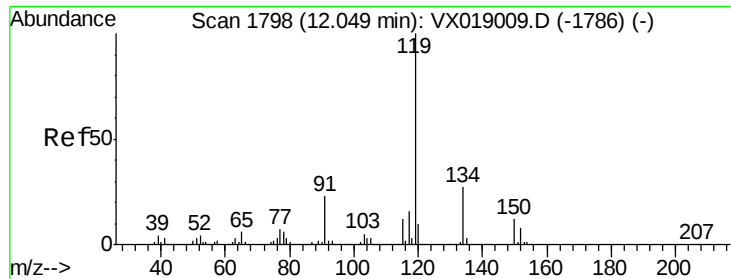
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#85
 sec-Butylbenzene
 Concen: 19.876 ug/l m
 RT: 11.93 min Scan# 1779
 Delta R.T. 0.01 min
 Lab File: VX019054.D
 Acq: 23 Oct 2020 02:27

Tgt Ion:105 Resp: 401447
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.4 31.1#





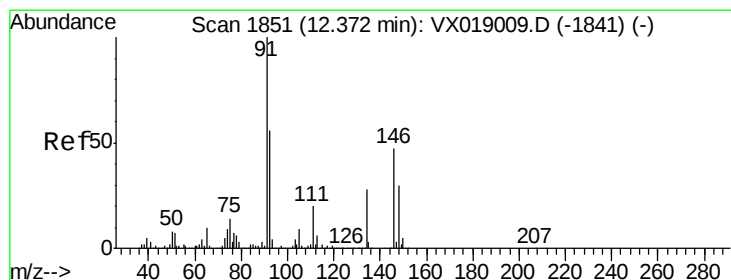
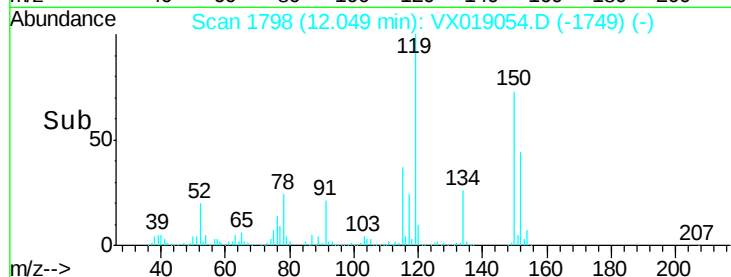
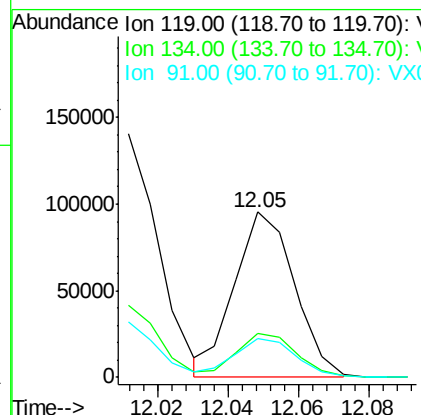
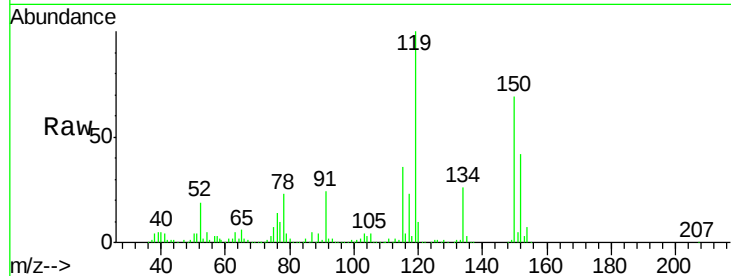
#86
 p-Isopropyltoluene
 Concen: 6.092 ug/l m
 RT: 12.05 min Scan# 1798
 Delta R.T. -0.00 min
 Lab File: VX019054.D
 Acq: 23 Oct 2020 02:27

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-10

Tot Ion	Ratio	Lower	Upper
119	100		
134	42.7	13.3	39.8#
91	0.0	11.4	34.2#

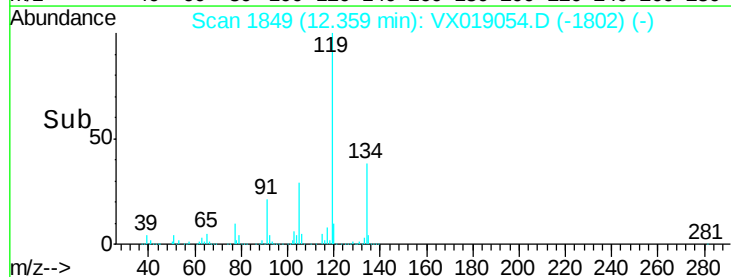
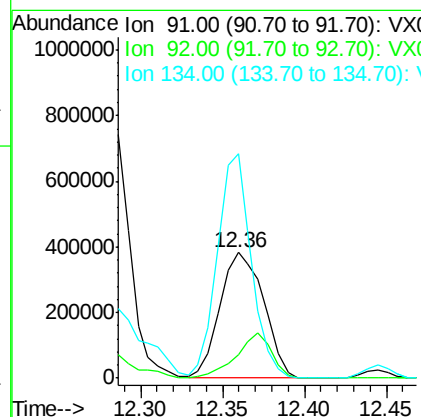
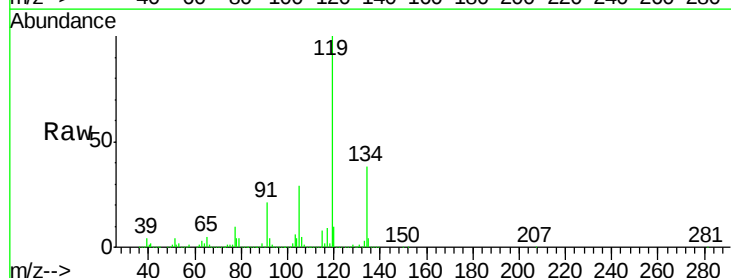
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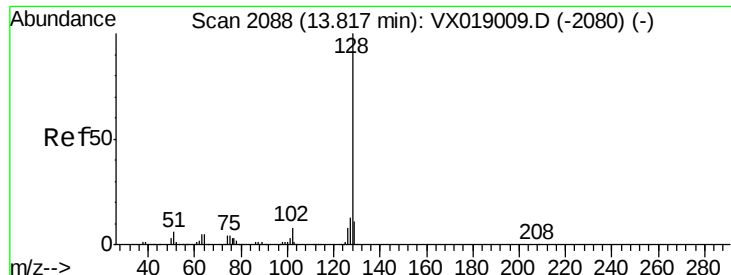
MMDadoda
 10/23/2020 1:20:15 PM



#89
 n-Butylbenzene
 Concen: 42.170 ug/l m
 RT: 12.36 min Scan# 1849
 Delta R.T. -0.01 min
 Lab File: VX019054.D
 Acq: 23 Oct 2020 02:27

Tgt Ion	Ratio	Lower	Upper
91	100		
92	0.0	27.3	81.9#
134	0.0	13.6	40.7#





#95
Naphthalene
Concen: 268.179 ug/l
RT: 13.82 min Scan# 2088
Delta R.T. -0.00 min
Lab File: VX019054.D
Acq: 23 Oct 2020 02:27

Instrument :
MSVOA_X
ClientSampleId :
MW-10

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.7	10.5	15.7
129	11.7	8.7	13.1

Manual Integrations
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