

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN091119\
 Data File : VN057890.D
 Acq On : 11 Sep 2019 1:30
 Operator : JC/SP
 Sample : K4818-05MS
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 T11-MW-9-9.0-091019MS

Manual Integrations
 APPROVED

MMDadoda
 9/13/2019 7:06:20 AM

Quant Time: Sep 11 05:13:23 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091019W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 10 03:02:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	320251	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	539365	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	522280	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	329007	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.01	65	345192	53.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.44%	
35) Dibromofluoromethane	7.58	113	250364	50.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.58%	
50) Toluene-d8	10.09	98	1011524	52.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.68%	
62) 4-Bromofluorobenzene	12.40	95	372993	50.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.28%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.83	85	231686	52.312	ug/l	100
3) Chloromethane	2.03	50	210480	46.628	ug/l	100
4) Vinyl Chloride	2.16	62	226138	47.334	ug/l	100
5) Bromomethane	2.53	94	90496m	33.983	ug/l	
6) Chloroethane	2.67	64	143229	47.048	ug/l	95
7) Trichlorofluoromethane	2.99	101	285283	47.450	ug/l	98
8) Diethyl Ether	3.39	74	120451	48.034	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.73	101	185724	48.969	ug/l	100
10) Methyl Iodide	3.93	142	136372	32.312	ug/l	99
11) Tert butyl alcohol	4.77	59	222396	283.283	ug/l	100
12) 1,1-Dichloroethene	3.71	96	163512	47.949	ug/l	96
13) Acrolein	3.58	56	131650	197.659	ug/l	99
14) Allyl chloride	4.30	41	307624	46.096	ug/l	100
15) Acrylonitrile	4.96	53	557570	258.394	ug/l	99
16) Acetone	3.80	43	491823	231.297	ug/l	97
17) Carbon Disulfide	4.03	76	248777	46.883	ug/l	99
18) Methyl Acetate	4.30	43	282259	49.785	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	804171	56.665	ug/l	99
20) Methylene Chloride	4.53	84	209592	51.821	ug/l	95
21) trans-1,2-Dichloroethene	5.01	96	172800	46.876	ug/l	99
22) Diisopropyl ether	5.93	45	795911	50.856	ug/l	99
23) Vinyl Acetate	5.87	43	2808547	253.220	ug/l	100
24) 1,1-Dichloroethane	5.82	63	419384	49.032	ug/l	99
25) 2-Butanone	6.82	43	783272	254.507	ug/l	100
26) 2,2-Dichloropropane	6.80	77	251818	37.202	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	242402	49.068	ug/l	98
28) Bromochloromethane	7.18	49	216528	50.672	ug/l	96
29) Tetrahydrofuran	7.19	42	496417	261.763	ug/l	99
30) Chloroform	7.36	83	443519	49.593	ug/l	99
31) Cyclohexane	7.63	56	305346	52.499	ug/l	98
32) 1,1,1-Trichloroethane	7.56	97	347838	49.041	ug/l	99
36) 1,1-Dichloropropene	7.78	75	283955	45.395	ug/l	99
37) Ethyl Acetate	6.91	43	296398	45.862	ug/l	99
38) Carbon Tetrachloride	7.76	117	277561	48.601	ug/l	98

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	304881	46.365	ug/l	99
40) Benzene	8.03	78	904810	48.046	ug/l	98
41) Methacrylonitrile	7.16	41	145529	49.606	ug/l	98
42) 1,2-Dichloroethane	8.11	62	358912	47.654	ug/l	100
43) Isopropyl Acetate	8.15	43	533570	49.094	ug/l #	90
44) Trichloroethene	8.83	130	216134	46.792	ug/l	98
45) 1,2-Dichloropropane	9.11	63	270691	49.397	ug/l	98
46) Dibromomethane	9.20	93	161028	48.628	ug/l	99
47) Bromodichloromethane	9.40	83	328863	49.733	ug/l	95
48) Methyl methacrylate	9.19	41	271306	49.211	ug/l	99
49) 1,4-Dioxane	9.19	88	86256	925.179	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	1735516	269.845	ug/l	99
52) Toluene	10.15	92	590676	49.799	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	340905	48.957	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	370427	48.182	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	252314	50.219	ug/l	99
56) Ethyl methacrylate	10.43	69	390143	51.565	ug/l	99
57) 1,3-Dichloropropane	10.71	76	422485	48.793	ug/l	99
59) 2-Hexanone	10.75	43	1288822	267.353	ug/l	99
60) Dibromochloromethane	10.90	129	238241	51.064	ug/l	99
61) 1,2-Dibromoethane	11.00	107	236189	49.724	ug/l	99
64) Tetrachloroethene	10.63	164	167988	43.562	ug/l	98
65) Chlorobenzene	11.43	112	650990	47.627	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	234176	49.374	ug/l	100
67) Ethyl Benzene	11.51	91	1216574	50.787	ug/l	99
68) m/p-Xylenes	11.62	106	886479	101.029	ug/l	99
69) o-Xylene	11.95	106	448746	51.443	ug/l	97
70) Styrene	11.97	104	774501	51.591	ug/l	99
71) Bromoform	12.13	173	149204	50.458	ug/l #	97
73) Isopropylbenzene	12.25	105	1346988	52.761	ug/l	99
74) N-amyl acetate	12.07	43	541438	48.731	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	388997	45.254	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	320478m	43.059	ug/l	
77) Bromobenzene	12.53	156	308911	48.532	ug/l	89
78) n-propylbenzene	12.59	91	1666271	56.838	ug/l	100
79) 2-Chlorotoluene	12.68	91	860536	46.443	ug/l	99
80) 1,3,5-Trimethylbenzene	12.74	105	1089400	50.502	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	90984	43.019	ug/l	96
82) 4-Chlorotoluene	12.78	91	905724	47.600	ug/l	100
83) tert-Butylbenzene	13.00	119	929330	48.466	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1217199	55.519	ug/l	99
85) sec-Butylbenzene	13.18	105	1351027	53.159	ug/l	100
86) p-Isopropyltoluene	13.29	119	1154040	51.536	ug/l	100
87) 1,3-Dichlorobenzene	13.29	146	556118	47.600	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	558280	47.076	ug/l	99
89) n-Butylbenzene	13.62	91	1126709	53.280	ug/l	97
90) Hexachloroethane	13.88	117	196755	59.080	ug/l	84
91) 1,2-Dichlorobenzene	13.66	146	554660	47.520	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	72900	51.354	ug/l	97
93) 1,2,4-Trichlorobenzene	14.91	180	367337	48.150	ug/l #	86

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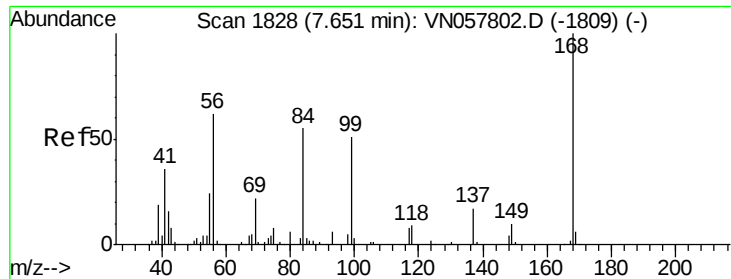
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	15.01	225	154320	47.718	ug/l	99
95) Naphthalene	15.13	128	3194169	169.602	ug/l	96
96) 1,2,3-Trichlorobenzene	15.30	180	365670	54.806	ug/l #	91

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

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Instrument :

MSVOA_N

ClientSampleId :

T11-MW-9-9.0-091019MS

Tgt Ion: 168 Resp: 320251

Ion Ratio Lower Upper

168 100

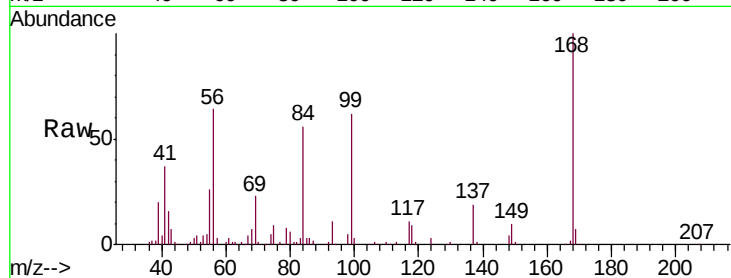
99 61.3 48.0 72.0

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNC

7.65

150000

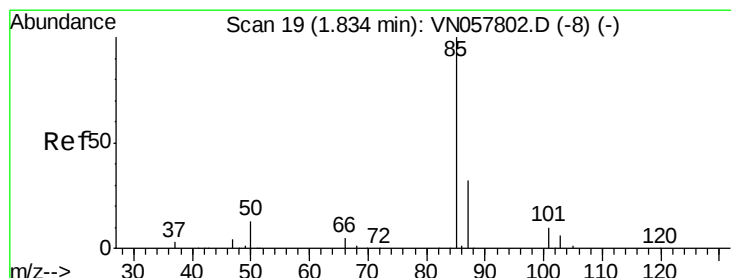
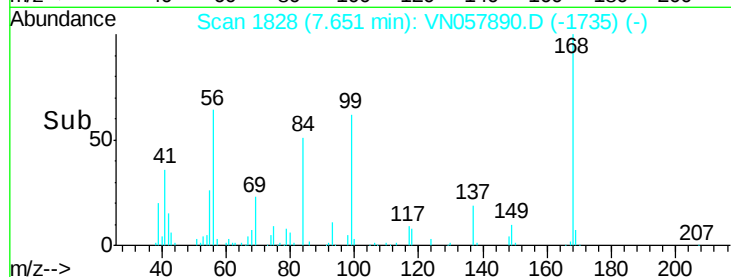
100000

50000

0

7.55 7.60 7.65 7.70 7.75

Time-->



#2

Dichlorodifluoromethane

Concen: 52.312 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN057890.D

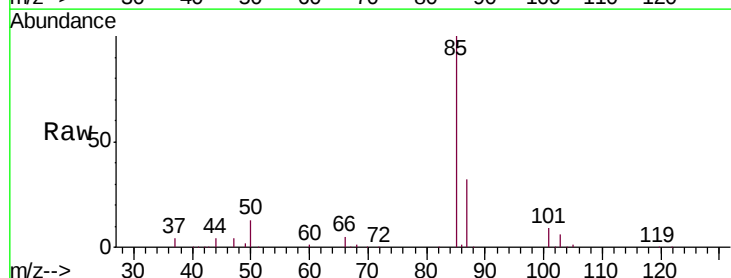
Acq: 11 Sep 2019 1:30

Tgt Ion: 85 Resp: 231686

Ion Ratio Lower Upper

85 100

87 31.9 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VNC

Ion 86.90 (86.60 to 87.60): VNC

1.83

200000

150000

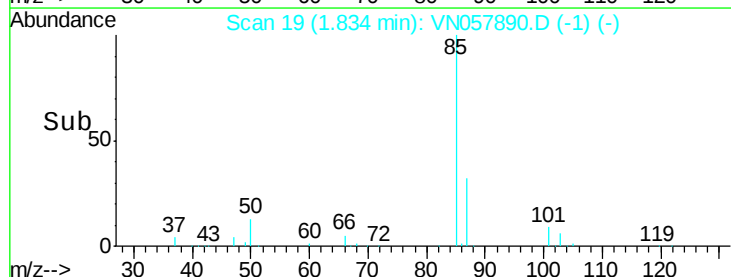
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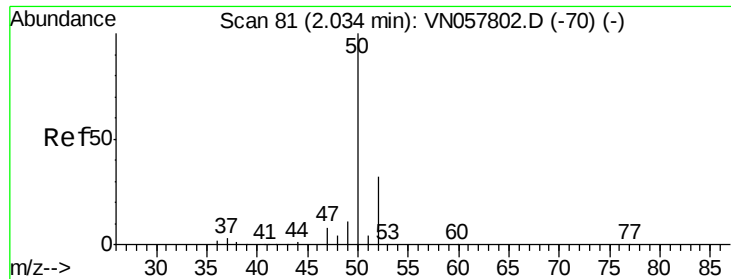
50000

0

1.75 1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 46.628 ug/l

RT: 2.03 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN057890.D

Acq: 11 Sep 2019 1:30

Instrument :

MSVOA_N

ClientSampleId :

T11-MW-9-9.0-091019MS

Tgt Ion: 50 Resp: 210480

Ion Ratio Lower Upper

50 100

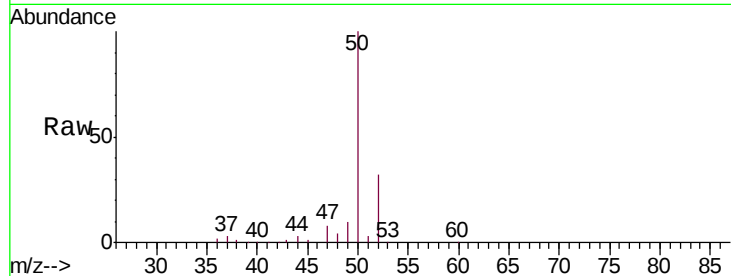
52 32.0 25.5 38.3

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Abundance Ion 49.90 (49.60 to 50.60): VN057890.D (-1) (-)

Ion 51.90 (51.60 to 52.60): VN057890.D (-1) (-)

2.03

150000

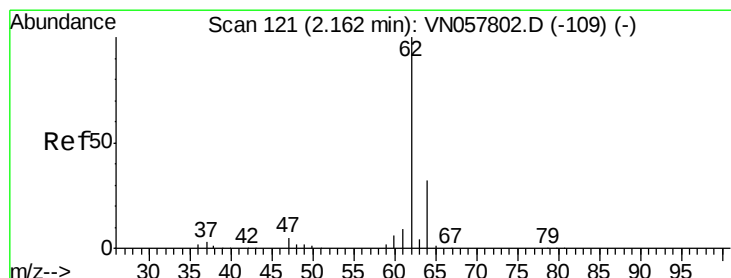
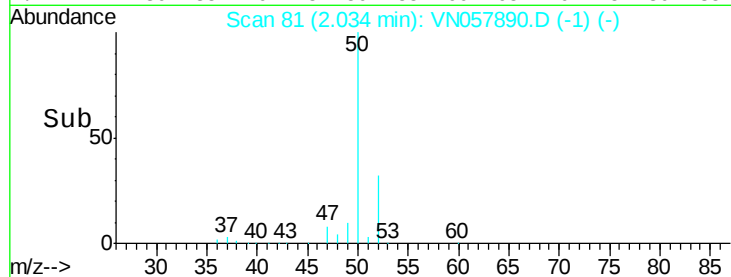
100000

50000

0

2.00 2.05 2.10

Time-->



#4

Vinyl Chloride

Concen: 47.334 ug/l

RT: 2.16 min Scan# 121

Delta R.T. 0.00 min

Lab File: VN057890.D

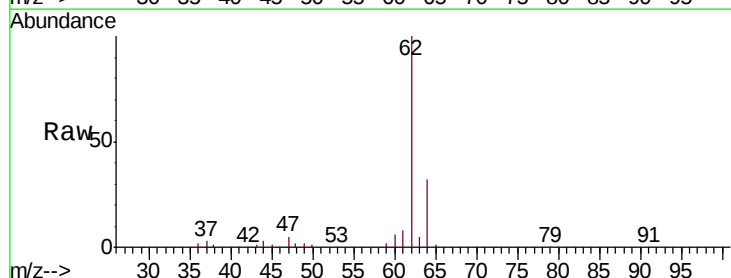
Acq: 11 Sep 2019 1:30

Tgt Ion: 62 Resp: 226138

Ion Ratio Lower Upper

62 100

64 32.0 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VN057890.D (-28) (-)

Ion 63.90 (63.60 to 64.60): VN057890.D (-28) (-)

2.16

150000

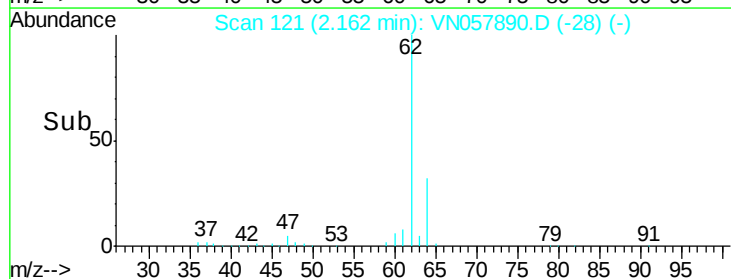
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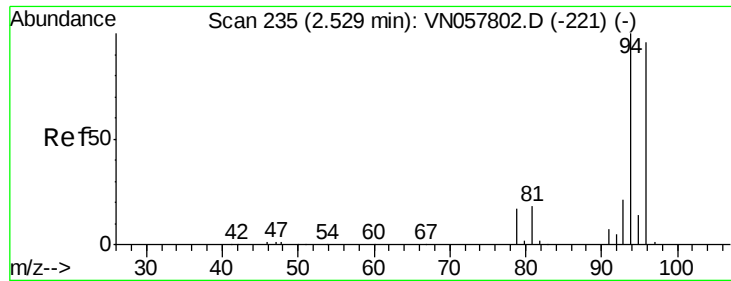
50000

0

2.10 2.15 2.20 2.25

Time-->





#5

Bromomethane

Concen: 33.983 ug/l m

RT: 2.53 min Scan# 234

Delta R.T. -0.00 min

Lab File: VN057890.D

Acq: 11 Sep 2019 1:30

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Tgt Ion: 94 Resp: 90496

Ion Ratio Lower Upper

94 100

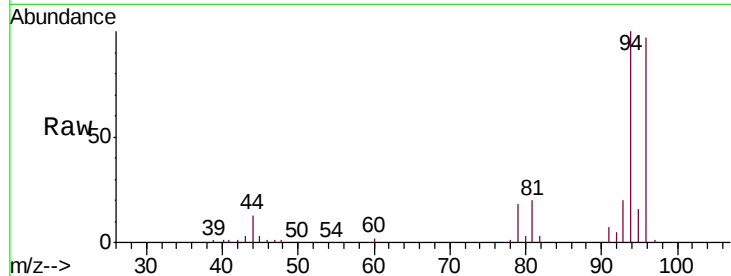
96 96.8 77.0 115.4

Manual Integrations

APPROVED

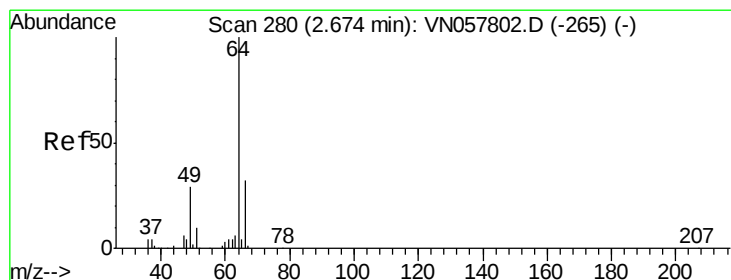
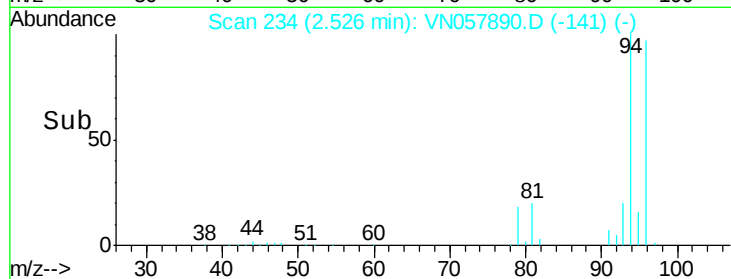
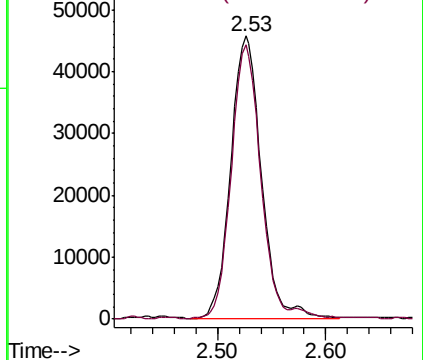
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 47.048 ug/l

RT: 2.67 min Scan# 279

Delta R.T. -0.00 min

Lab File: VN057890.D

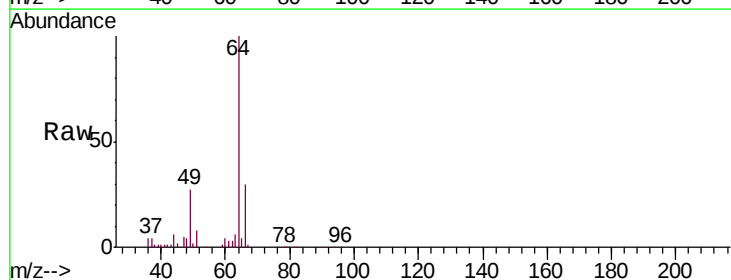
Acq: 11 Sep 2019 1:30

Tgt Ion: 64 Resp: 143229

Ion Ratio Lower Upper

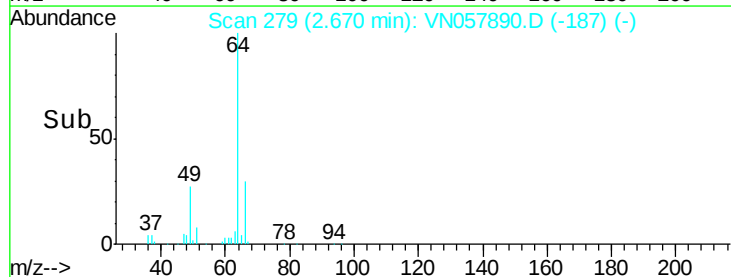
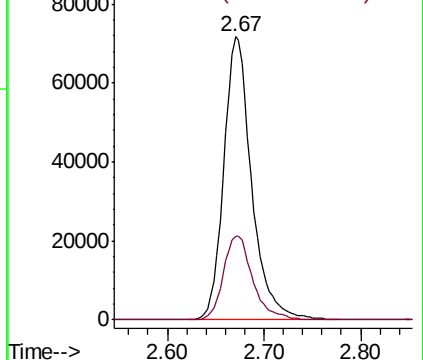
64 100

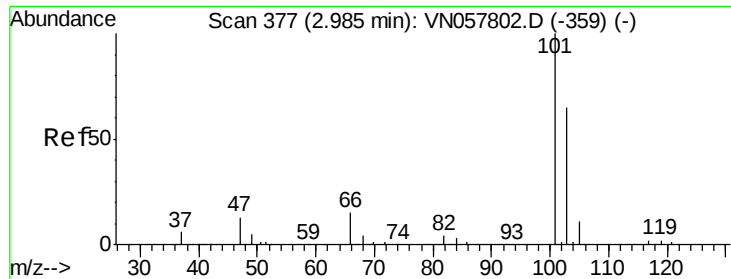
66 29.4 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

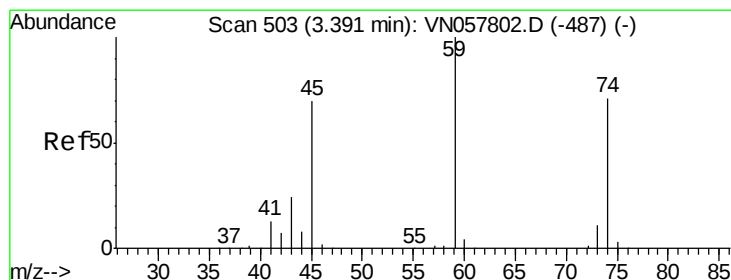
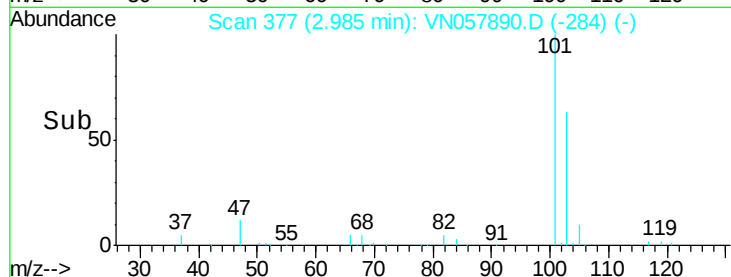
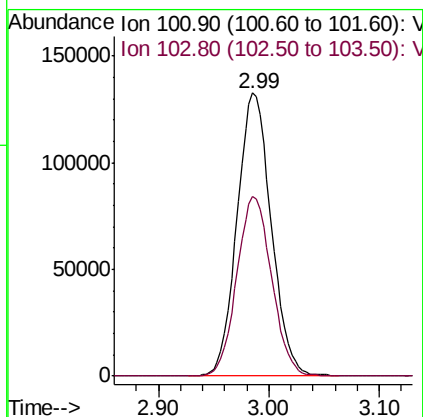
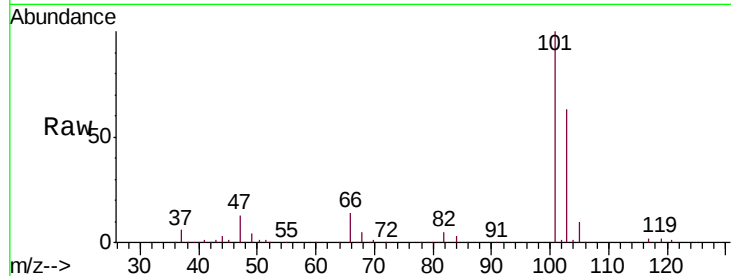
Trichlorofluoromethane
Concen: 47.450 ug/l
RT: 2.99 min Scan# 377
Delta R.T. 0.00 min
Lab File: VN057890.D
Acq: 11 Sep 2019 1:30

Instrument :
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T11-MW-9-9.0-091019MS

Tgt Ion:101 Resp: 285283
Ion Ratio Lower Upper
101 100
103 63.4 51.9 77.9

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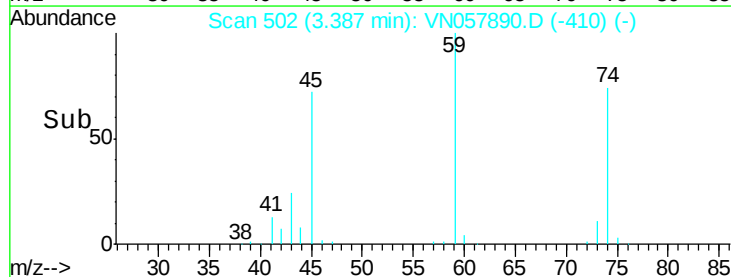
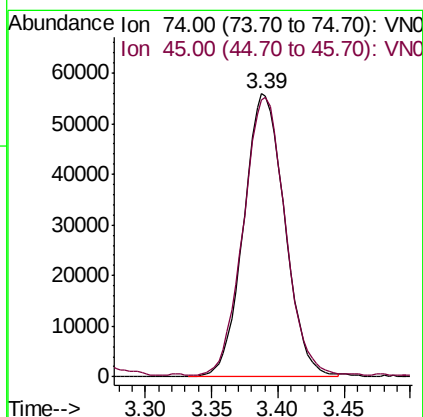
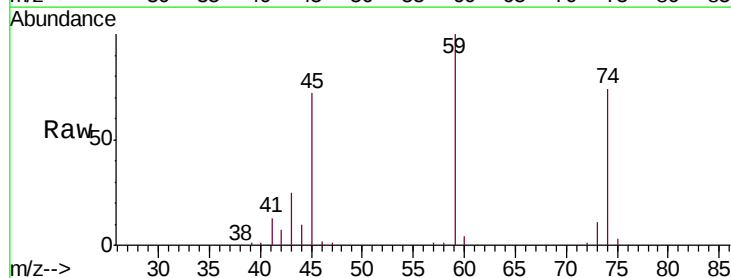
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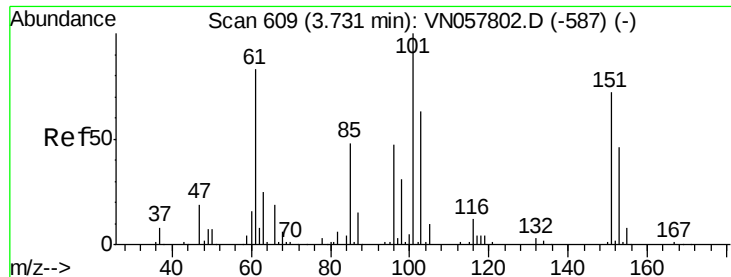


#8

Diethyl Ether
Concen: 48.034 ug/l
RT: 3.39 min Scan# 502
Delta R.T. -0.00 min
Lab File: VN057890.D
Acq: 11 Sep 2019 1:30

Tgt Ion: 74 Resp: 120451
Ion Ratio Lower Upper
74 100
45 100.3 50.3 151.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.969 ug/l

RT: 3.73 min Scan# 610

Delta R.T. 0.00 min

Lab File: VN057890.D

Acq: 11 Sep 2019 1:30

Instrument :

MSVOA_N

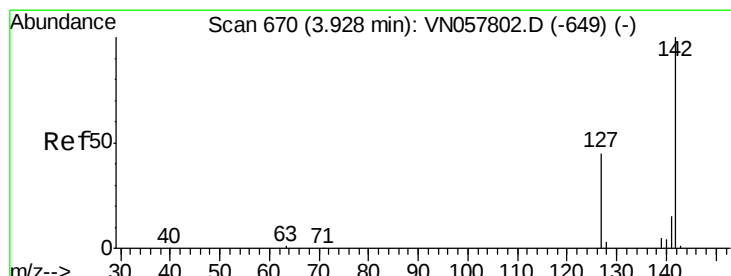
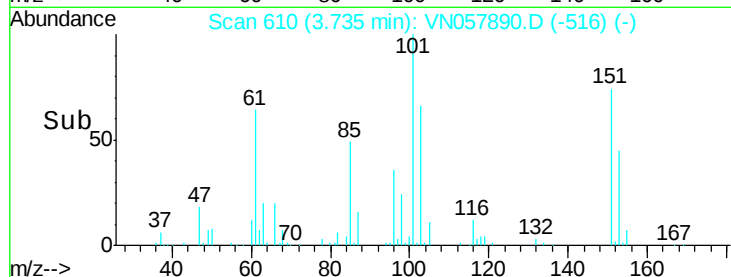
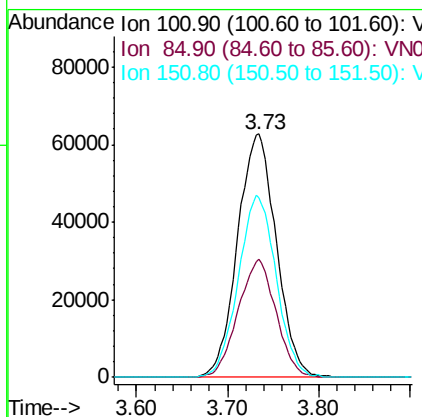
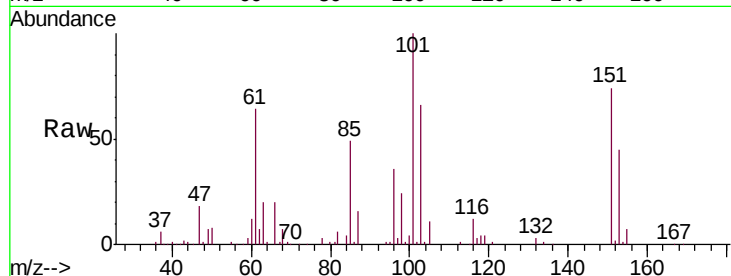
ClientSampleId :

T11-MW-9-9.0-091019MS

Tgt Ion:	101	Resp:	185724
Ion Ratio	Lower	Upper	
101	100		
85	47.4	38.1	57.1
151	73.0	58.4	87.6

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#10

Methyl Iodide

Concen: 32.312 ug/l

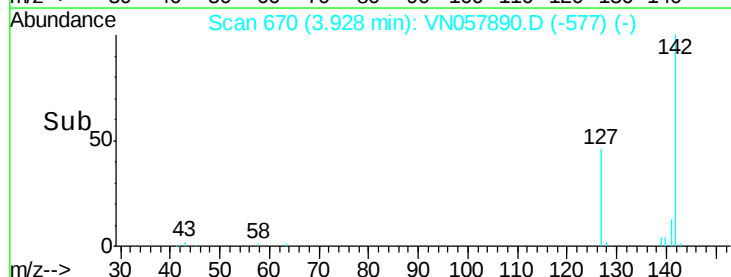
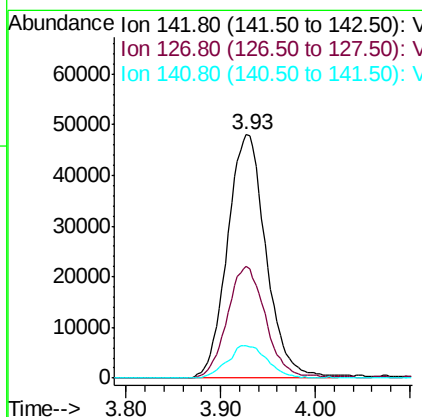
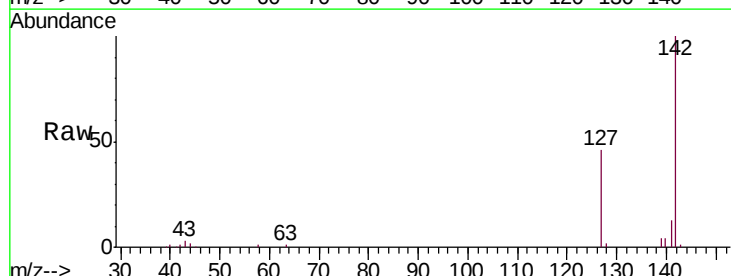
RT: 3.93 min Scan# 670

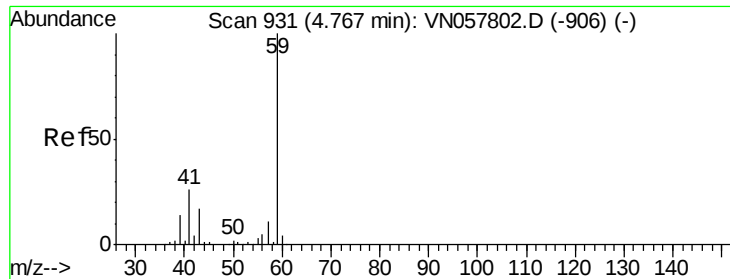
Delta R.T. 0.00 min

Lab File: VN057890.D

Acq: 11 Sep 2019 1:30

Tgt Ion:	142	Resp:	136372
Ion Ratio	Lower	Upper	
142	100		
127	45.1	36.7	55.1
141	13.8	11.4	17.0





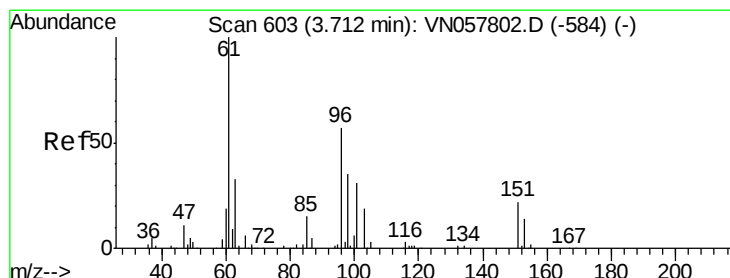
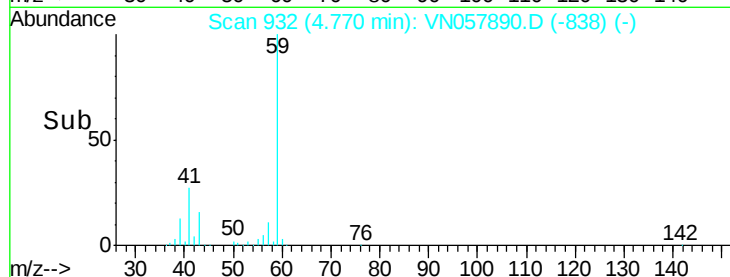
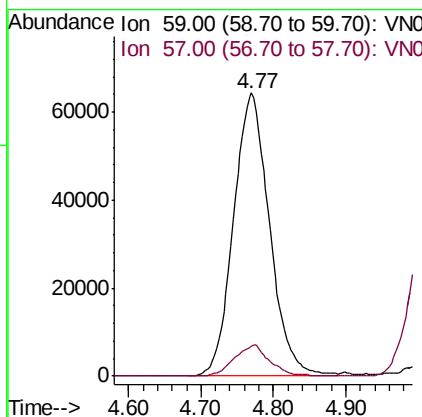
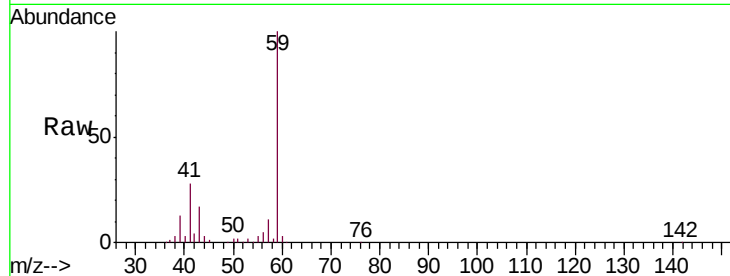
#11
Tert butyl alcohol
Concen: 283.283 ug/l
RT: 4.77 min Scan# 932
Delta R.T. 0.00 min
Lab File: VN057890.D
Acq: 11 Sep 2019 1:30

Instrument :
MSVOA_N
ClientSampleId :
T11-MW-9-9.0-091019MS

Tgt Ion: 59 Resp: 222396
Ion Ratio Lower Upper
59 100
57 10.6 8.4 12.6

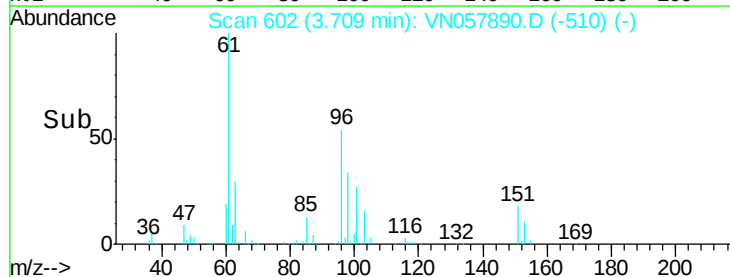
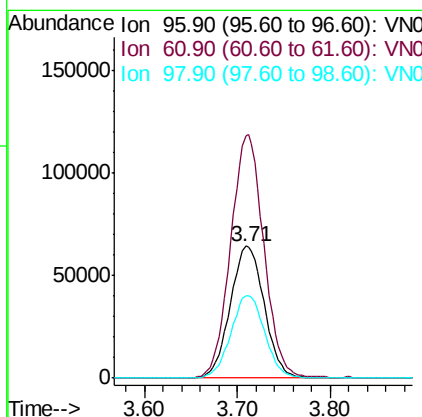
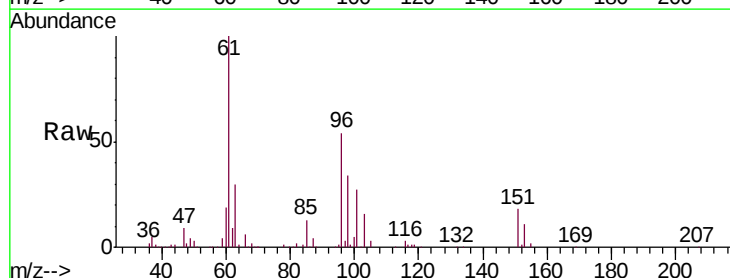
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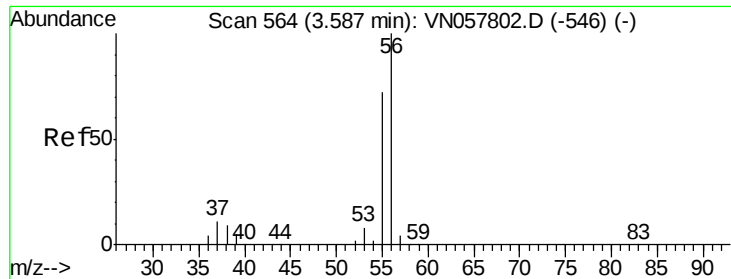
MMDadoda
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#12
1,1-Dichloroethene
Concen: 47.949 ug/l
RT: 3.71 min Scan# 602
Delta R.T. -0.00 min
Lab File: VN057890.D
Acq: 11 Sep 2019 1:30

Tgt Ion: 96 Resp: 163512
Ion Ratio Lower Upper
96 100
61 183.8 141.2 211.8
98 62.5 49.9 74.9





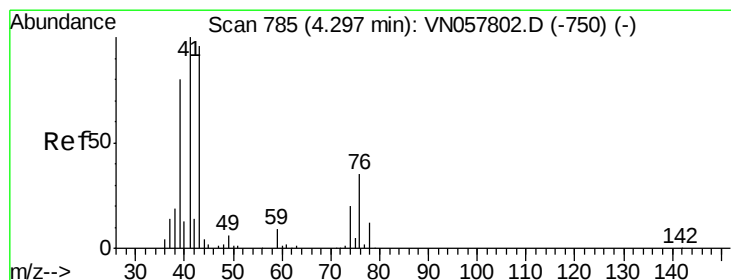
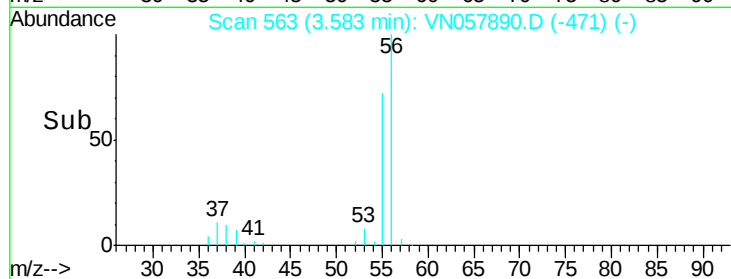
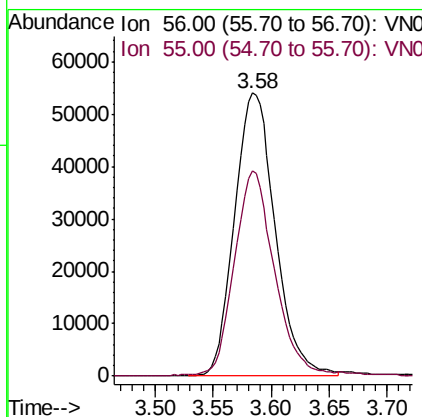
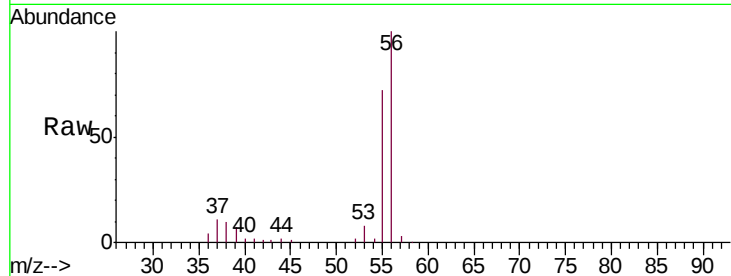
#13
 Acrolein
 Concen: 197.659 ug/l
 RT: 3.58 min Scan# 563
 Delta R.T. -0.00 min
 Lab File: VN057890.D
 Acq: 11 Sep 2019 1:30

Instrument :
 MSVOA_N
 ClientSampleId :
 T11-MW-9-9.0-091019MS

Tgt Ion: 56 Resp: 131650
 Ion Ratio Lower Upper
 56 100
 55 72.2 57.3 85.9

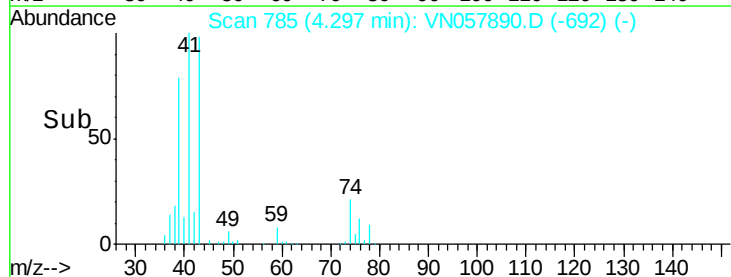
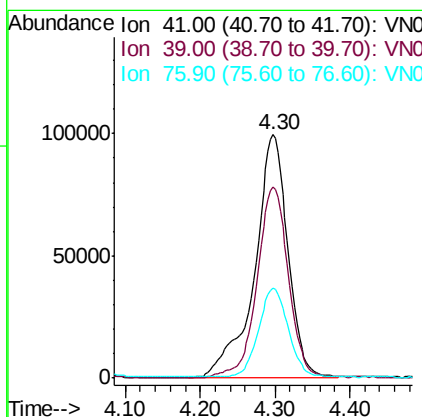
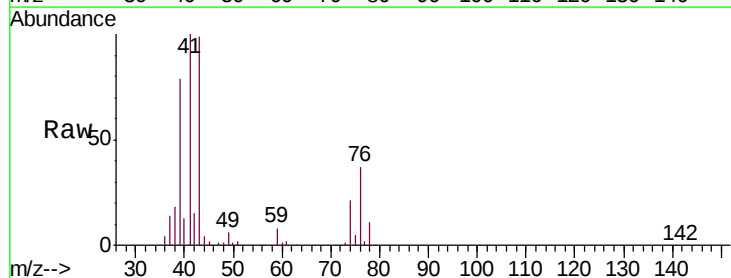
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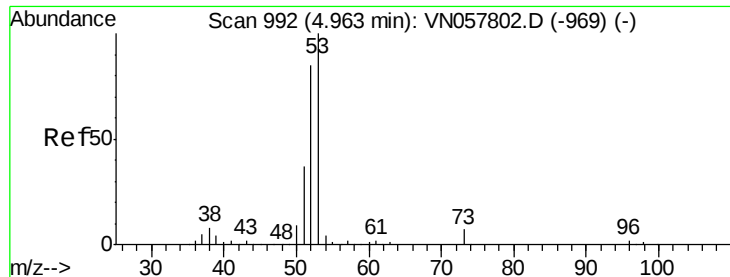
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 9/13/2019 7:06:20 AM



#14
 Allyl chloride
 Concen: 46.096 ug/l
 RT: 4.30 min Scan# 785
 Delta R.T. 0.00 min
 Lab File: VN057890.D
 Acq: 11 Sep 2019 1:30

Tgt Ion: 41 Resp: 307624
 Ion Ratio Lower Upper
 41 100
 39 74.2 59.4 89.2
 76 32.6 26.0 39.0





#15

Acrylonitrile

Concen: 258.394 ug/l

RT: 4.96 min Scan# 991

Delta R.T. -0.00 min

Lab File: VN057890.D

Acq: 11 Sep 2019 1:30

Instrument :

MSVOA_N

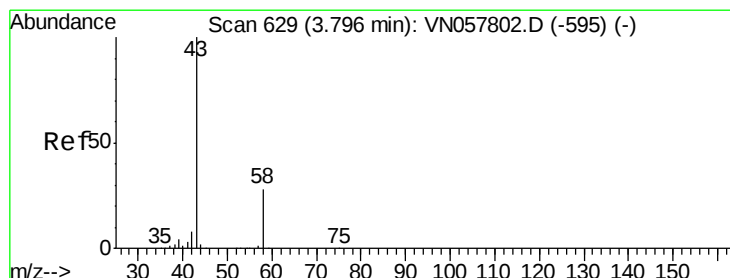
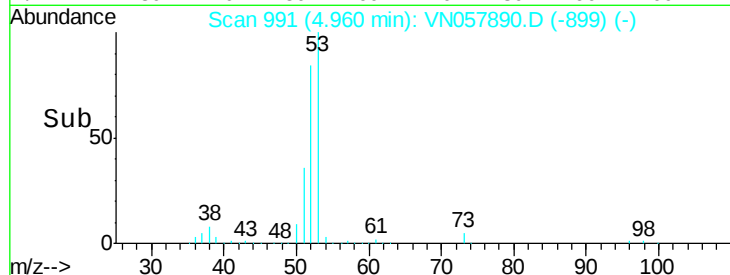
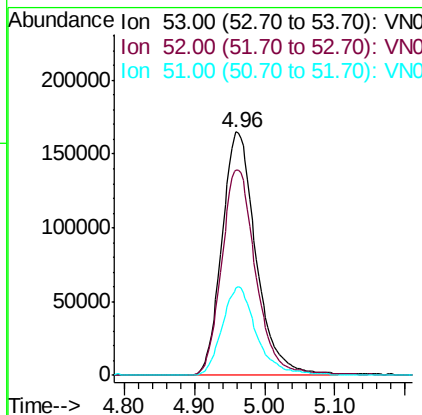
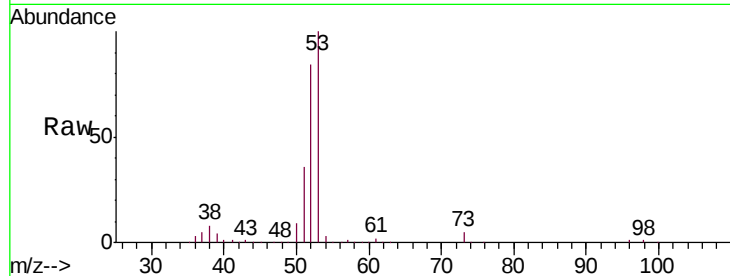
ClientSampleId :

T11-MW-9-9.0-091019MS

Tgt Ion:	53	Resp:	557570
Ion	Ratio	Lower	Upper
53	100		
52	84.5	66.6	100.0
51	36.6	29.8	44.8

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#16

Acetone

Concen: 231.297 ug/l

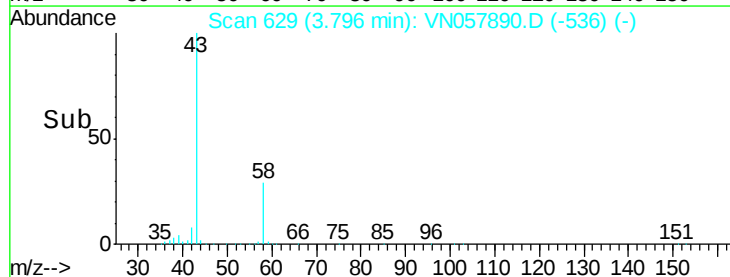
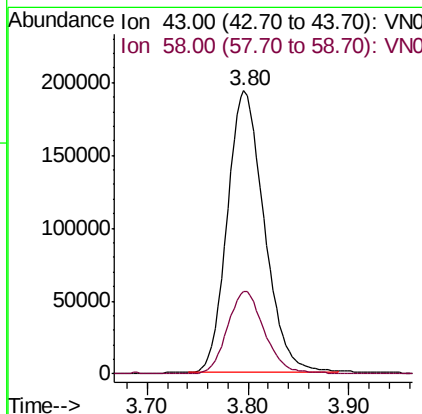
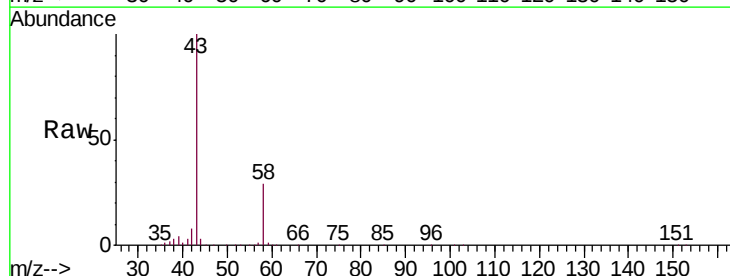
RT: 3.80 min Scan# 629

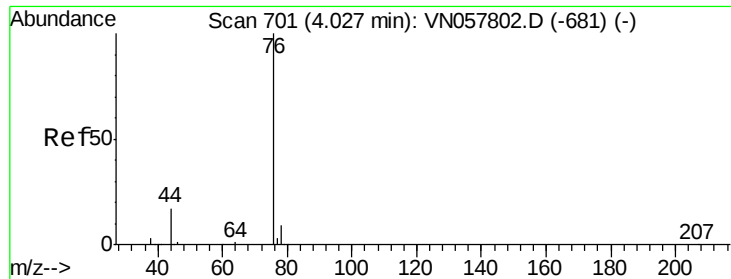
Delta R.T. 0.00 min

Lab File: VN057890.D

Acq: 11 Sep 2019 1:30

Tgt Ion:	43	Resp:	491823
Ion	Ratio	Lower	Upper
43	100		
58	29.2	22.2	33.2





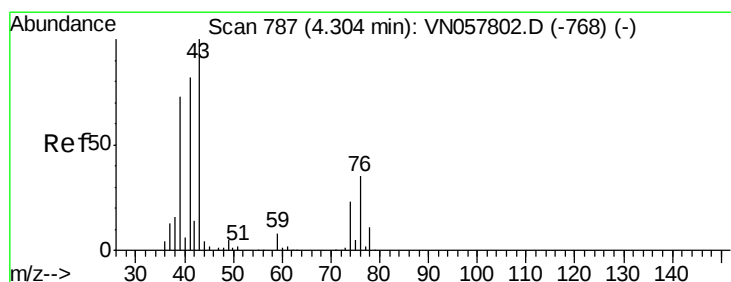
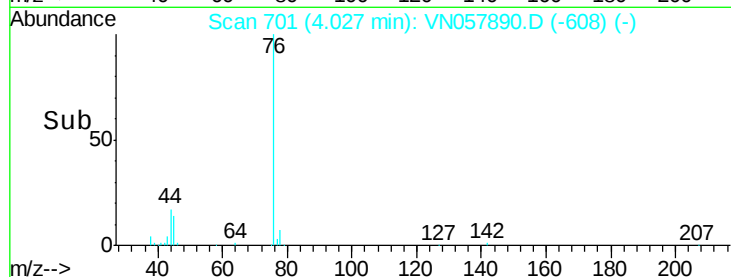
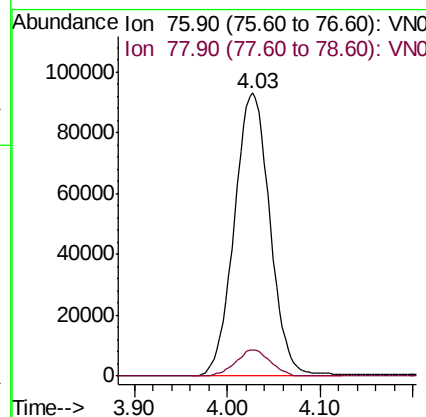
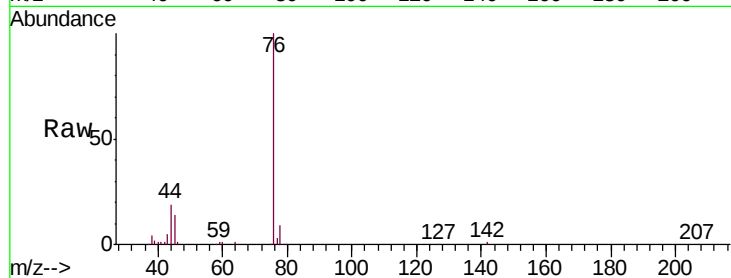
#17
Carbon Disulfide
Concen: 46.883 ug/l
RT: 4.03 min Scan# 701
Delta R.T. 0.00 min
Lab File: VN057890.D
Acq: 11 Sep 2019 1:30

Instrument :
MSVOA_N
ClientSampleId :
T11-MW-9-9.0-091019MS

Tgt Ion: 76 Resp: 248777
Ion Ratio Lower Upper
76 100
78 9.3 7.1 10.7

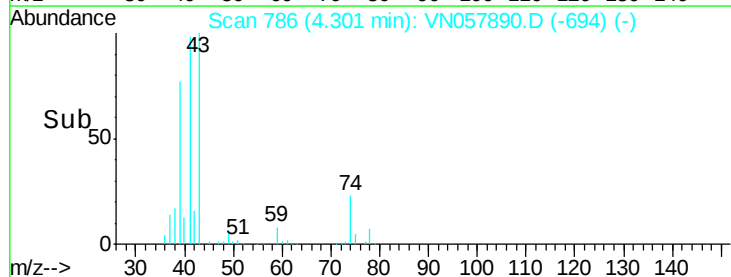
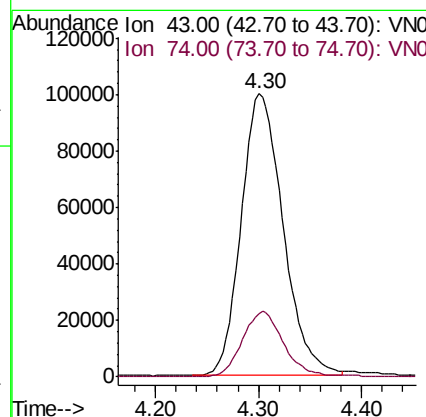
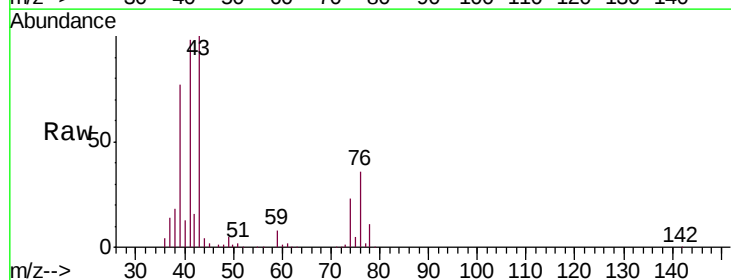
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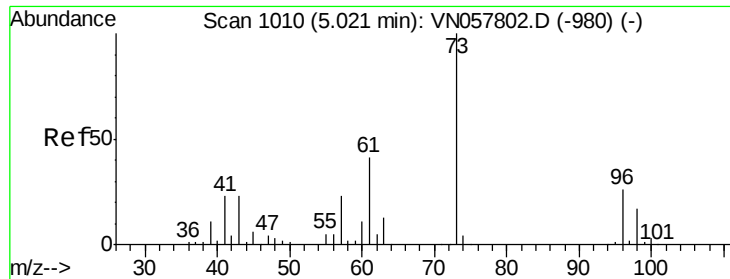
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#18
Methyl Acetate
Concen: 49.785 ug/l
RT: 4.30 min Scan# 786
Delta R.T. -0.00 min
Lab File: VN057890.D
Acq: 11 Sep 2019 1:30

Tgt Ion: 43 Resp: 282259
Ion Ratio Lower Upper
43 100
74 22.8 17.9 26.9





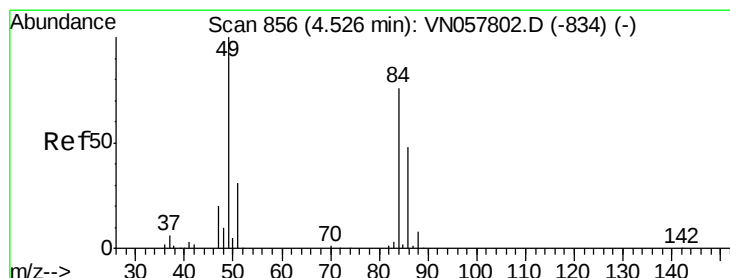
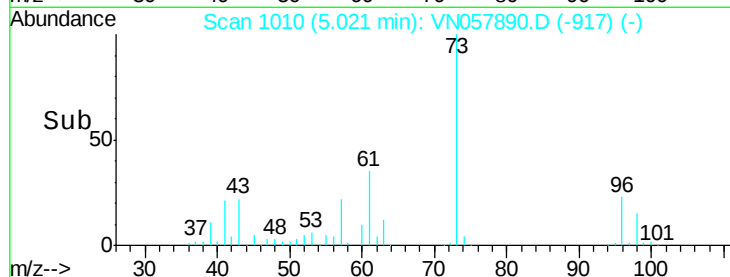
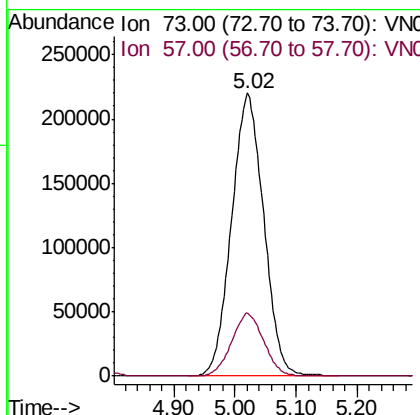
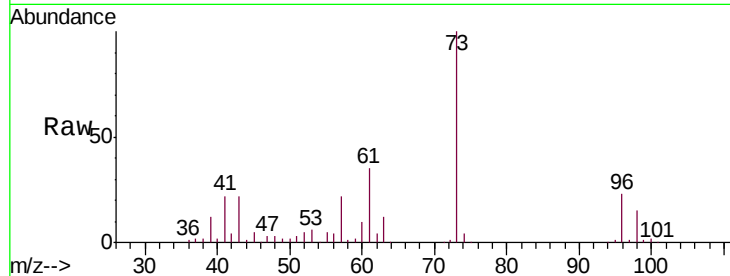
#19
Methyl tert-butyl Ether
Concen: 56.665 ug/l
RT: 5.02 min Scan# 1010
Delta R.T. 0.00 min
Lab File: VN057890.D
Acq: 11 Sep 2019 1:30

Instrument :
MSVOA_N
ClientSampleId :
T11-MW-9-9.0-091019MS

Tgt Ion: 73 Resp: 804171
Ion Ratio Lower Upper
73 100
57 22.4 18.2 27.2

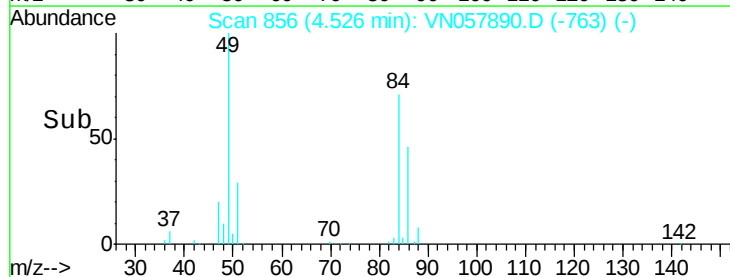
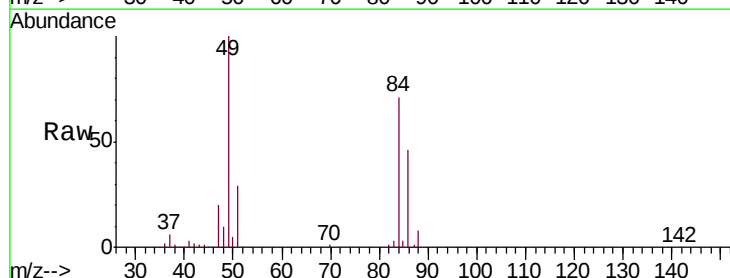
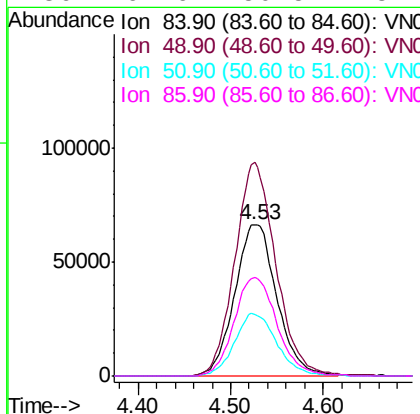
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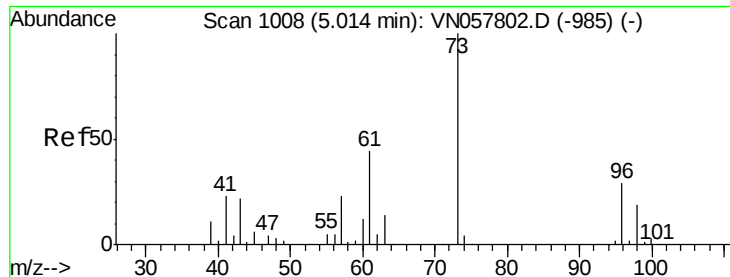
MMDadoda
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#20
Methylene Chloride
Concen: 51.821 ug/l
RT: 4.53 min Scan# 856
Delta R.T. 0.00 min
Lab File: VN057890.D
Acq: 11 Sep 2019 1:30

Tgt Ion: 84 Resp: 209592
Ion Ratio Lower Upper
84 100
49 140.8 104.8 157.2
51 40.8 33.0 49.4
86 64.6 50.5 75.7





#21

trans-1,2-Dichloroethene

Concen: 46.876 ug/l

RT: 5.01 min Scan# 1008

Delta R.T. 0.00 min

Lab File: VN057890.D

Acq: 11 Sep 2019 1:30

Instrument :

MSVOA_N

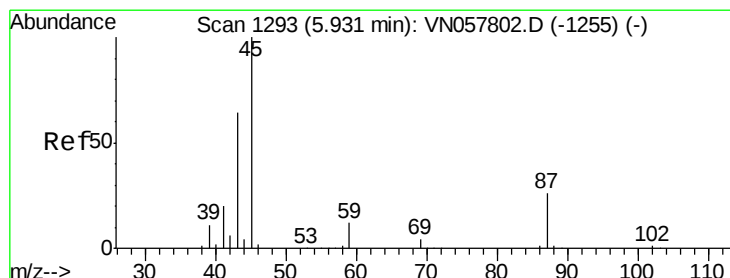
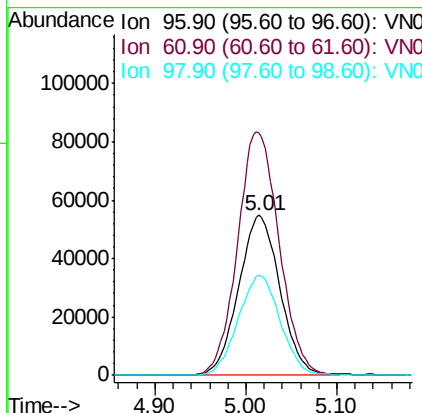
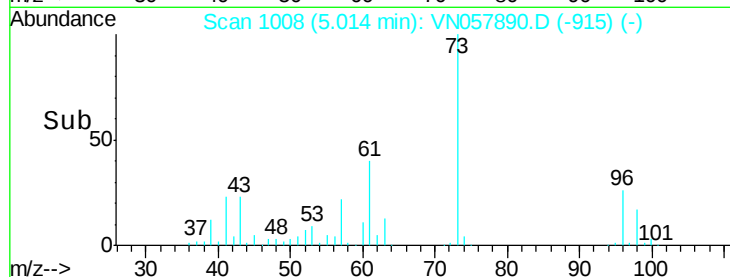
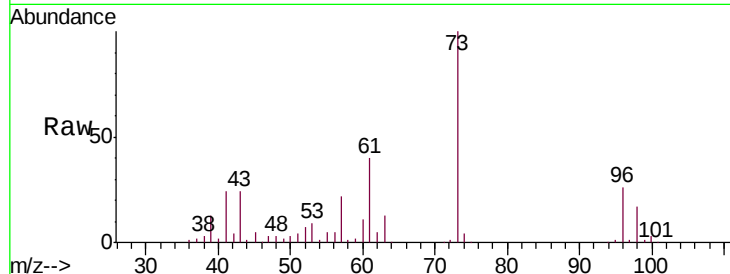
ClientSampleId :

T11-MW-9-9.0-091019MS

Tgt Ion:	96	Resp:	172800
Ion	Ratio	Lower	Upper
96	100		
61	151.6	121.9	182.9
98	62.8	52.2	78.4

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#22

Diisopropyl ether

Concen: 50.856 ug/l

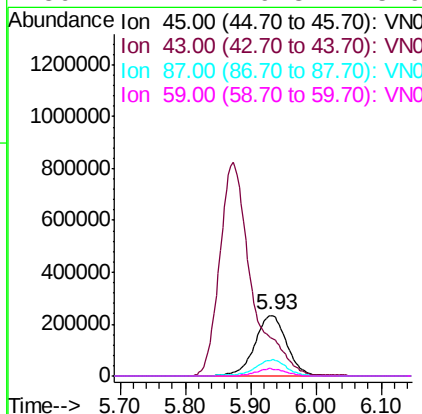
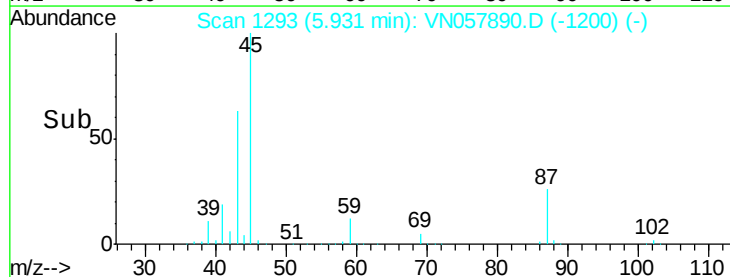
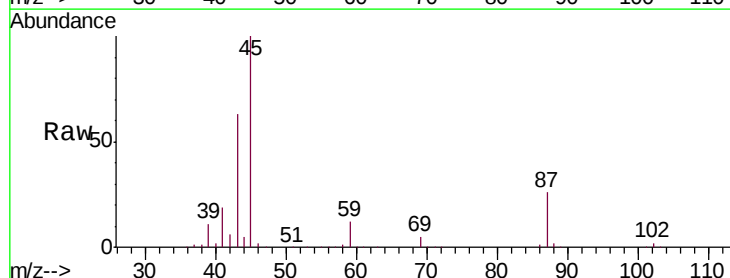
RT: 5.93 min Scan# 1293

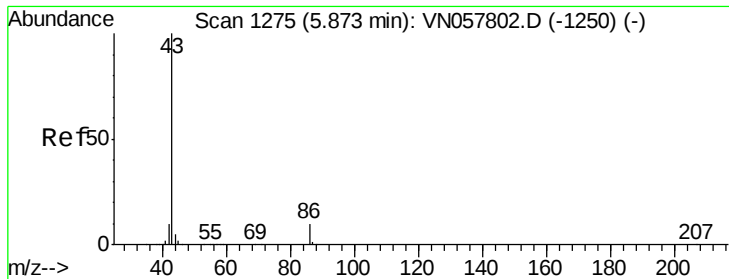
Delta R.T. 0.00 min

Lab File: VN057890.D

Acq: 11 Sep 2019 1:30

Tgt Ion:	45	Resp:	795911
Ion	Ratio	Lower	Upper
45	100		
43	62.8	51.4	77.2
87	26.2	21.3	31.9
59	11.7	9.3	13.9





#23

Vinyl Acetate

Concen: 253.220 ug/l

RT: 5.87 min Scan# 1275

Delta R.T. 0.00 min

Lab File: VN057890.D

Acq: 11 Sep 2019 1:30

Instrument :

MSVOA_N

ClientSampleId :

T11-MW-9-9.0-091019MS

Tgt Ion: 43 Resp: 2808547

Ion Ratio Lower Upper

43 100

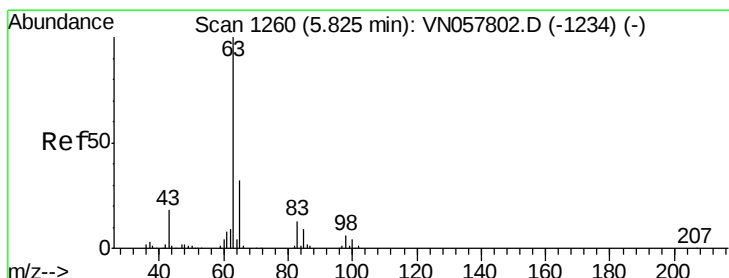
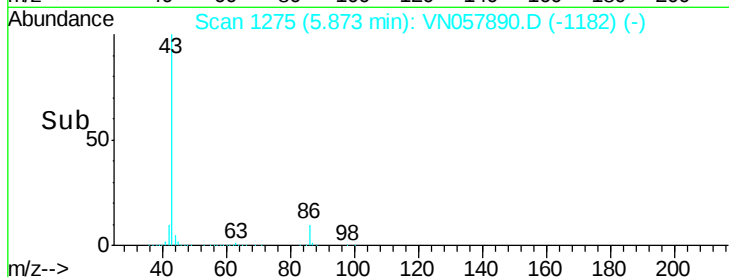
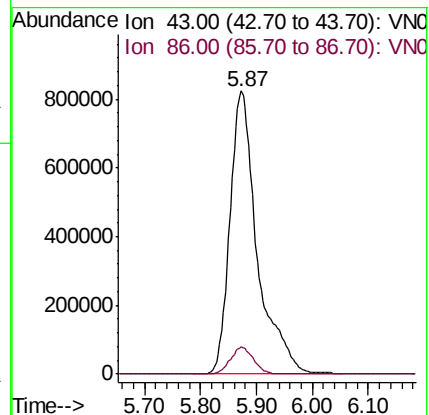
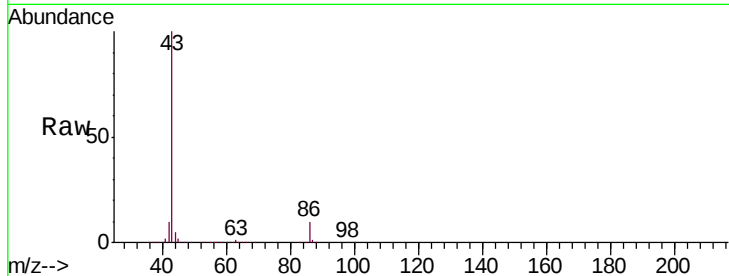
86 9.5 7.7 11.5

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#24

1,1-Dichloroethane

Concen: 49.032 ug/l

RT: 5.82 min Scan# 1260

Delta R.T. 0.00 min

Lab File: VN057890.D

Acq: 11 Sep 2019 1:30

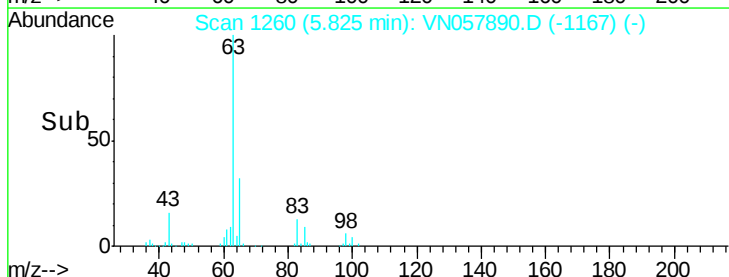
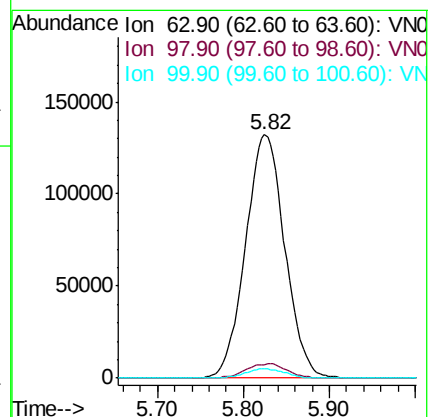
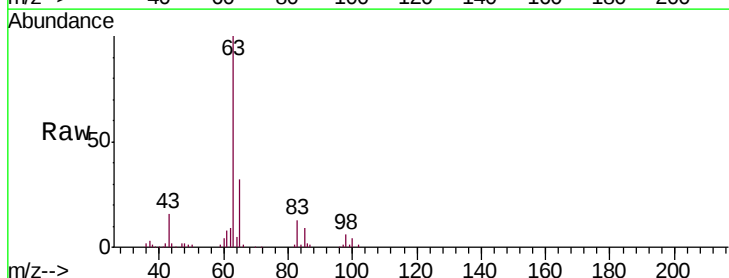
Tgt Ion: 63 Resp: 419384

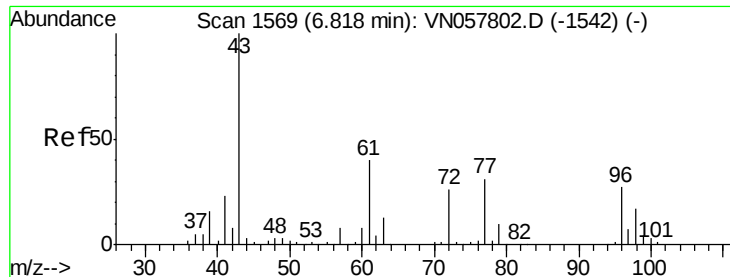
Ion Ratio Lower Upper

63 100

98 5.6 3.0 9.2

100 3.7 2.0 5.8





#25

2-Butanone

Concen: 254.507 ug/l

RT: 6.82 min Scan# 1569

Delta R.T. 0.00 min

Lab File: VN057890.D

Acq: 11 Sep 2019 1:30

Instrument :

MSVOA_N

ClientSampleId :

T11-MW-9-9.0-091019MS

Tgt Ion: 43 Resp: 783272

Ion Ratio Lower Upper

43 100

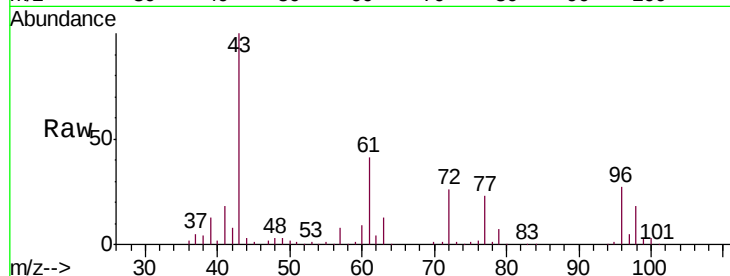
72 25.7 20.6 30.8

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

6.82

250000

200000

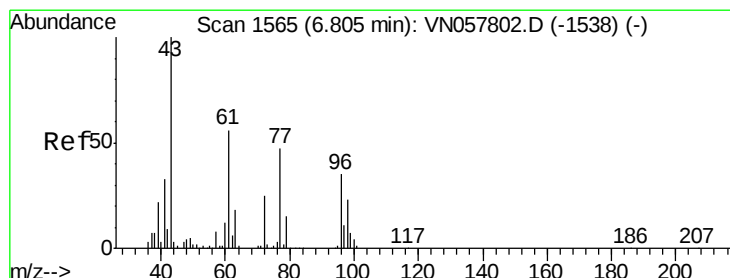
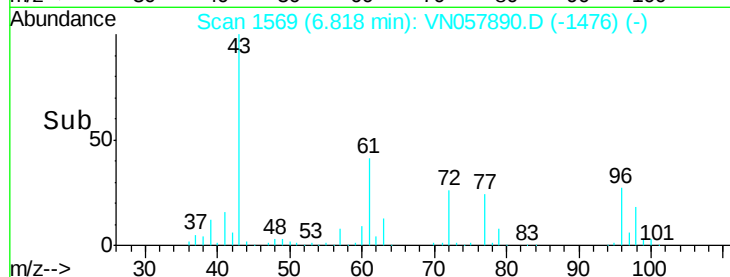
150000

100000

50000

0

Time-->



#26

2,2-Dichloropropane

Concen: 37.202 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VN057890.D

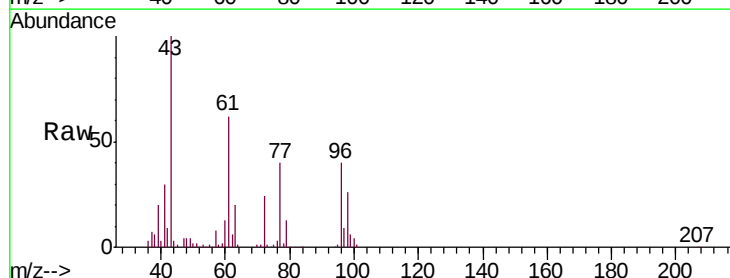
Acq: 11 Sep 2019 1:30

Tgt Ion: 77 Resp: 251818

Ion Ratio Lower Upper

77 100

97 22.9 11.1 33.3



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0

6.80

80000

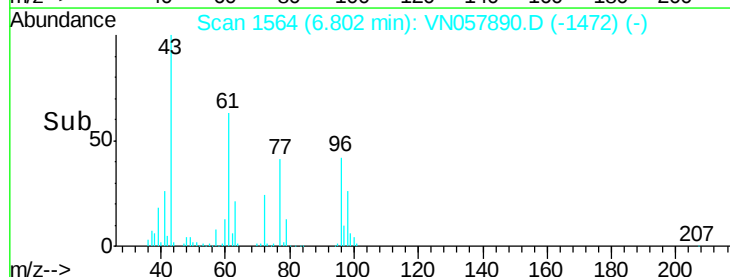
60000

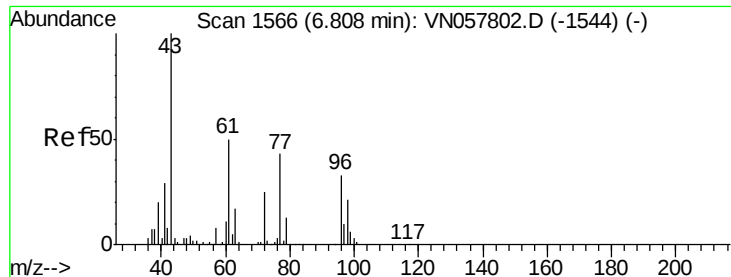
40000

20000

0

Time-->





#27

cis-1,2-Dichloroethene

Concen: 49.068 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN057890.D

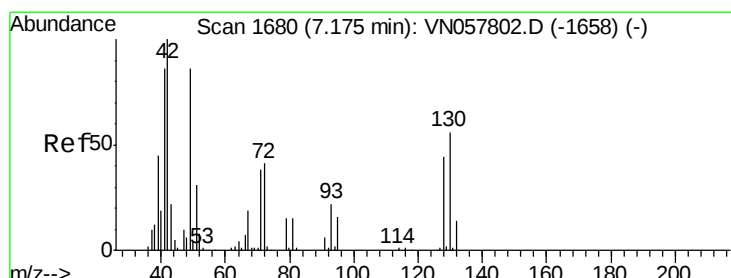
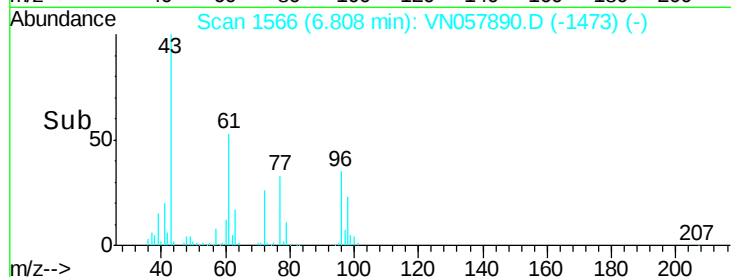
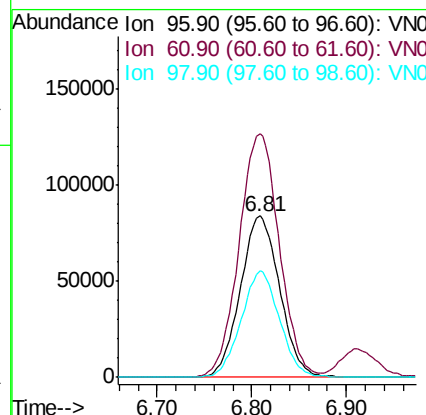
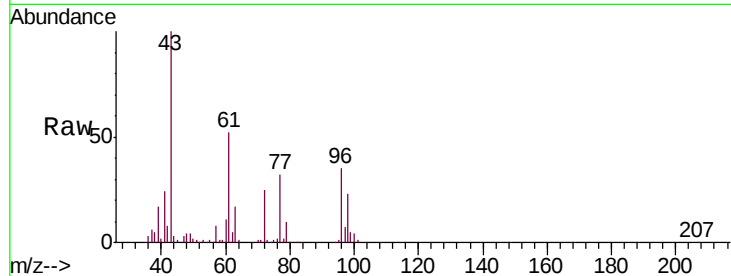
Acq: 11 Sep 2019 1:30

Instrument :
MSVOA_N
ClientSampleId :
T11-MW-9-9.0-091019MS

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	242402		
61	154.0	0.0	314.0	
98	64.3	0.0	128.6	

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9/13/2019 7:06:20 AM



#28

Bromochloromethane

Concen: 50.672 ug/l

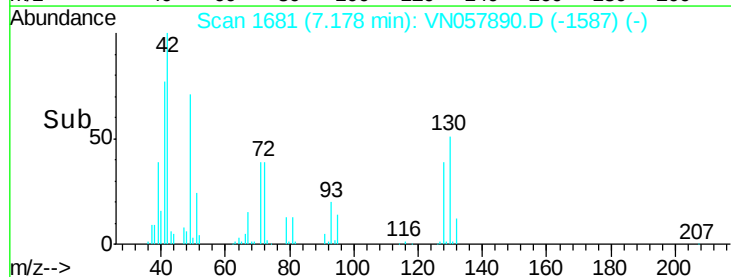
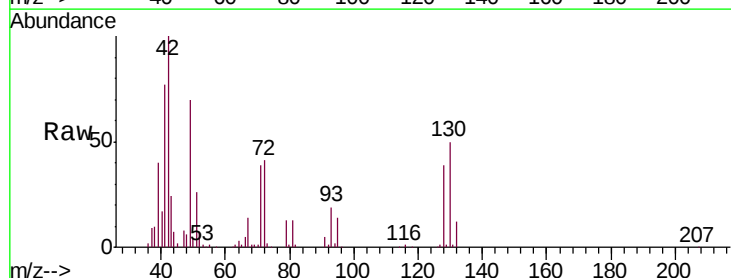
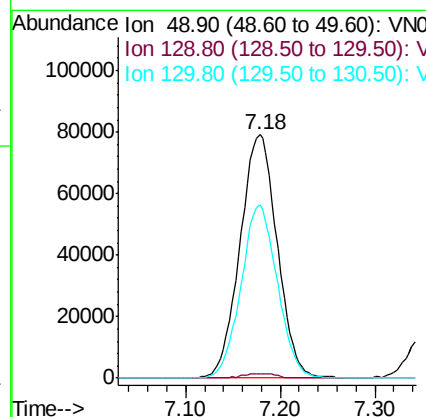
RT: 7.18 min Scan# 1681

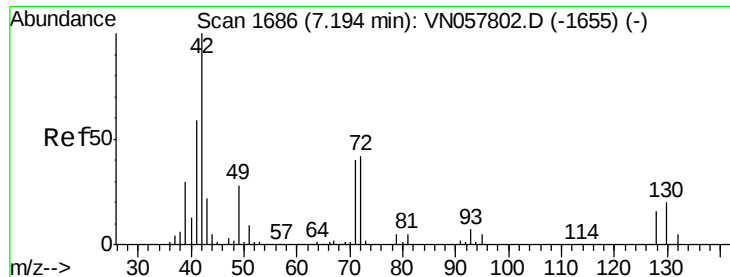
Delta R.T. 0.00 min

Lab File: VN057890.D

Acq: 11 Sep 2019 1:30

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	216528		
129	1.6	0.0	3.8	
130	69.4	53.0	79.6	





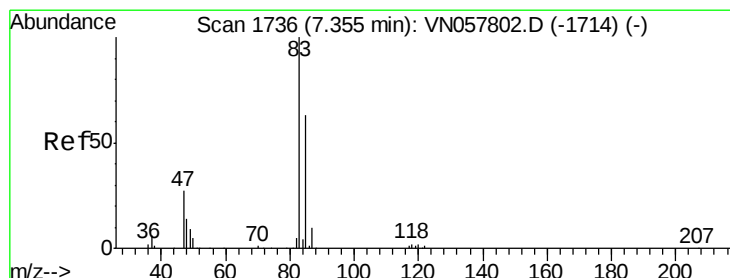
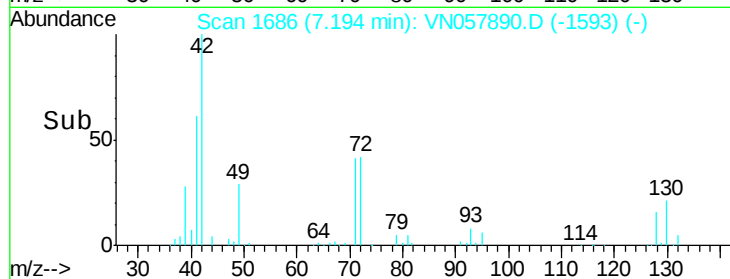
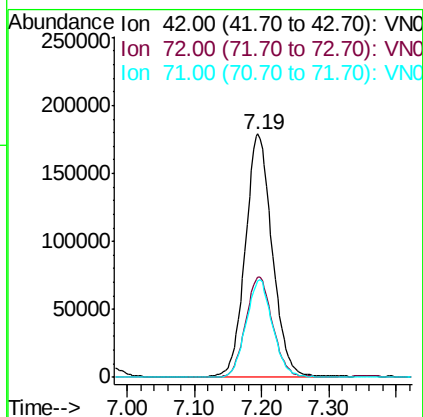
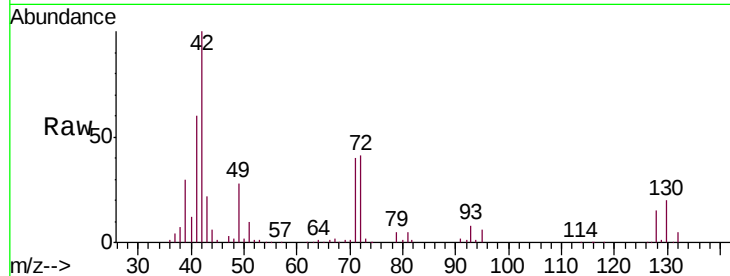
#29
Tetrahydrofuran
Concen: 261.763 ug/l
RT: 7.19 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VN057890.D
Acq: 11 Sep 2019 1:30

Instrument :
MSVOA_N
ClientSampleId :
T11-MW-9-9.0-091019MS

Tgt Ion	Ratio	Lower	Upper
42	100		
72	41.6	33.7	50.5
71	39.5	31.9	47.9

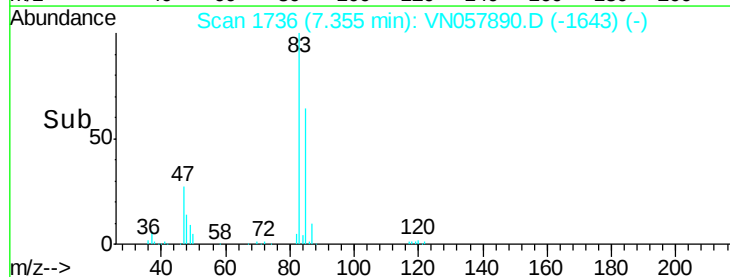
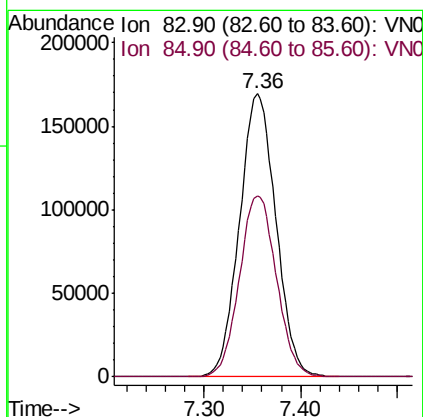
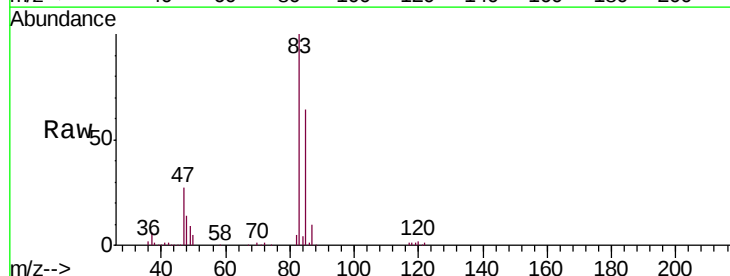
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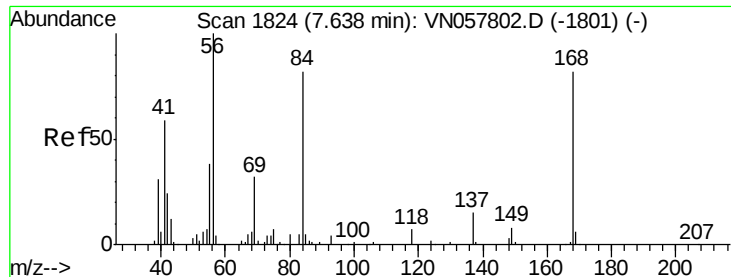
MMDadoda
9/13/2019 7:06:20 AM



#30
Chloroform
Concen: 49.593 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VN057890.D
Acq: 11 Sep 2019 1:30

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.9	50.6	75.8





#31

Cyclohexane

Concen: 52.499 ug/l

RT: 7.63 min Scan# 1823

Delta R.T. -0.00 min

Lab File: VN057890.D

Acq: 11 Sep 2019 1:30

Instrument :

MSVOA_N

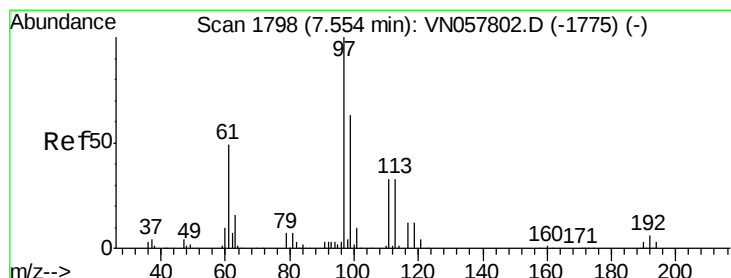
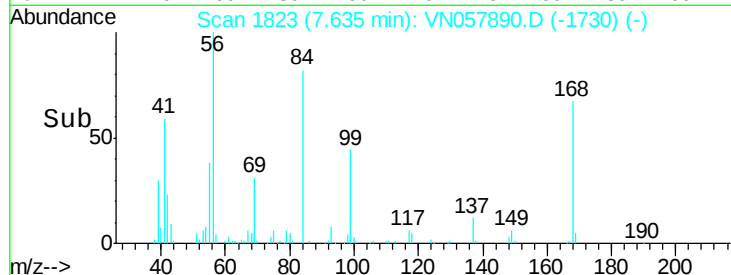
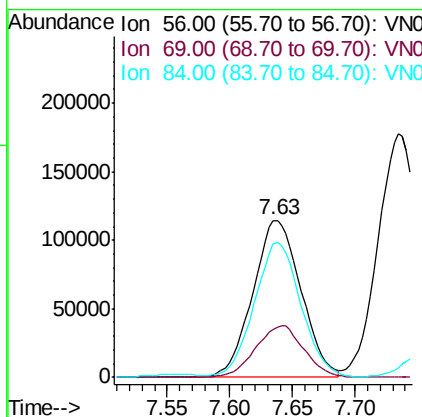
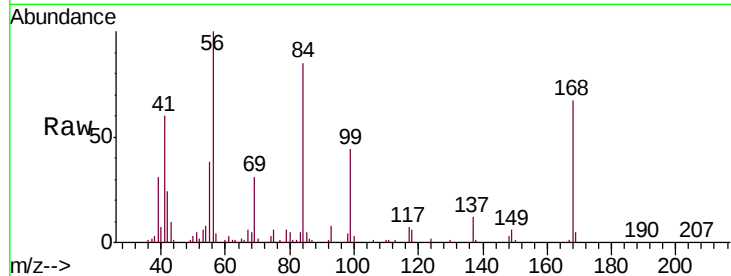
ClientSampleId :

T11-MW-9-9.0-091019MS

Tgt Ion:	56	Resp:	305346
Ion Ratio		Lower	Upper
56	100		
69	30.8	25.9	38.9
84	83.4	65.6	98.4

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#32

1,1,1-Trichloroethane

Concen: 49.041 ug/l

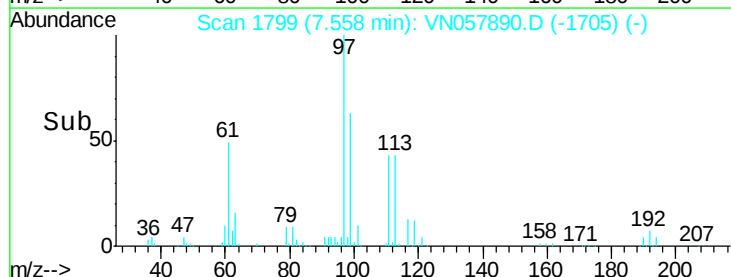
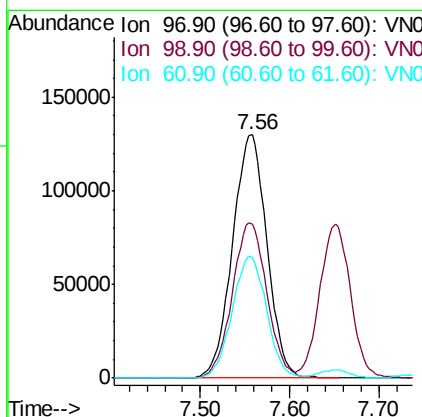
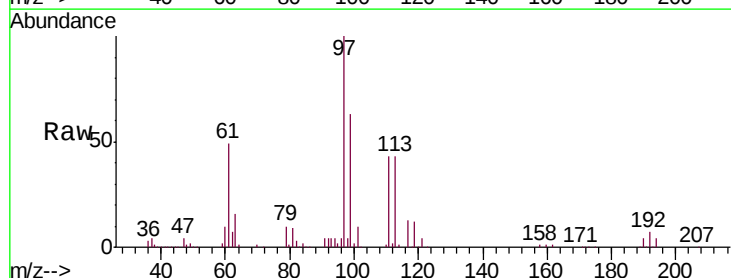
RT: 7.56 min Scan# 1799

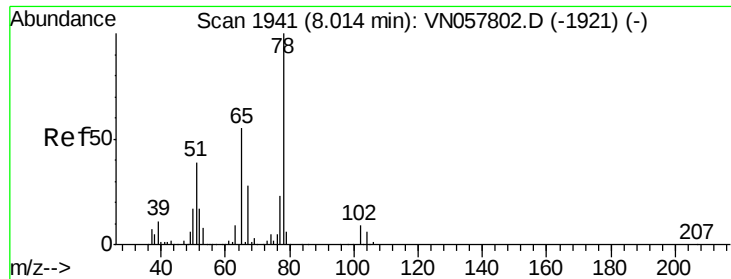
Delta R.T. 0.00 min

Lab File: VN057890.D

Acq: 11 Sep 2019 1:30

Tgt Ion:	97	Resp:	347838
Ion Ratio		Lower	Upper
97	100		
99	64.1	51.0	76.4
61	50.0	39.0	58.6





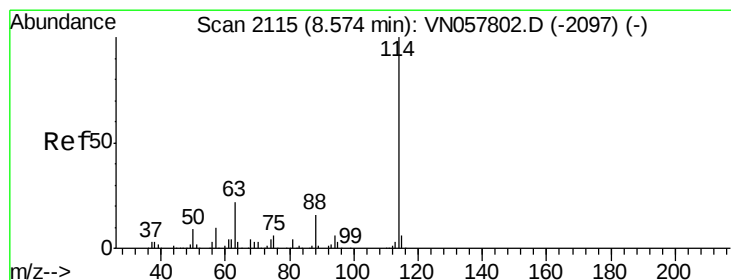
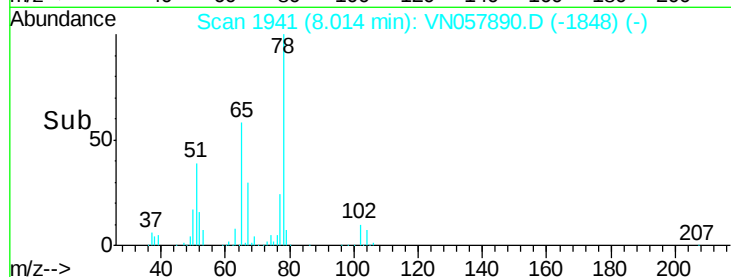
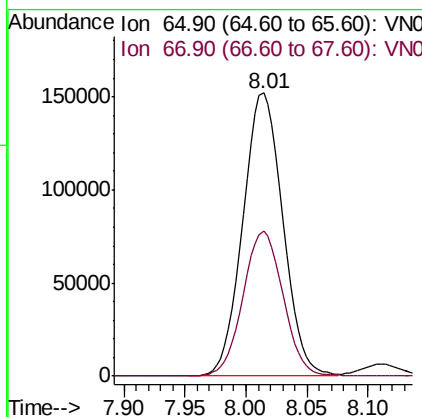
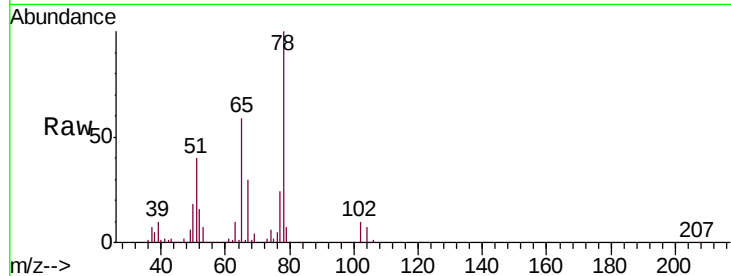
#33
 1,2-Dichloroethane-d4
 Concen: 53.218 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. 0.00 min
 Lab File: VN057890.D
 Acq: 11 Sep 2019 1:30

Instrument :
 MSVOA_N
 ClientSampleId :
 T11-MW-9-9.0-091019MS

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	345192		
67	51.4	0.0	104.0	

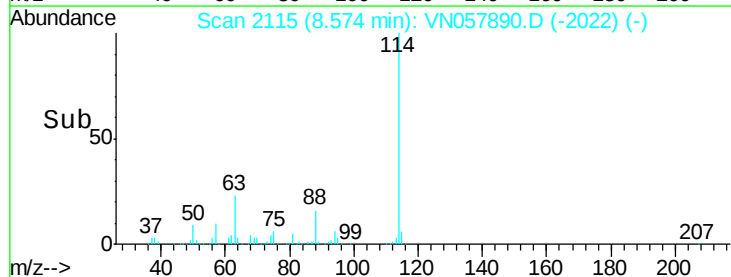
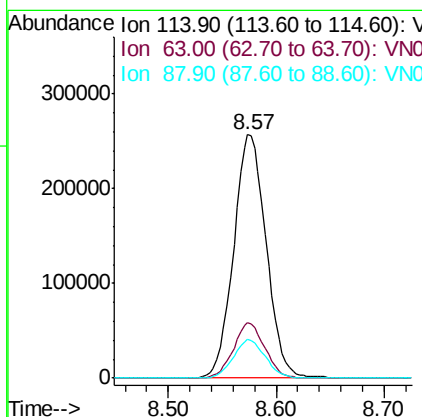
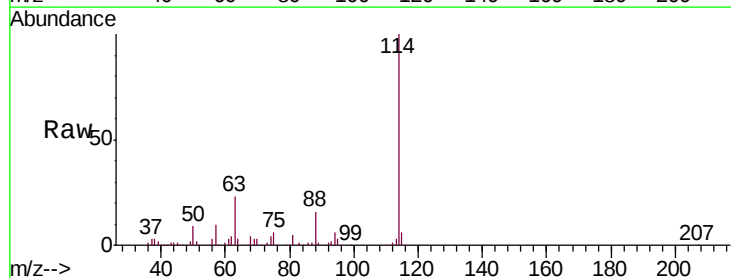
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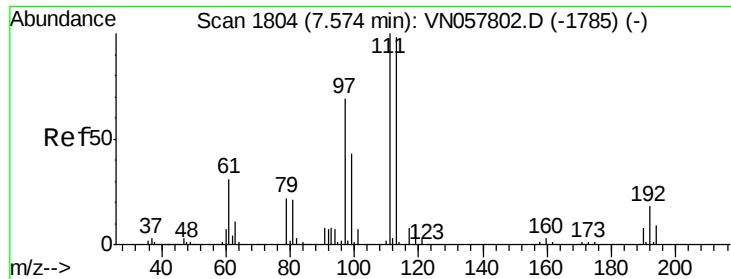
MMDadoda
 9/13/2019 7:06:20 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VN057890.D
 Acq: 11 Sep 2019 1:30

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	539365		
63	22.7	0.0	44.0	
88	15.8	0.0	31.4	





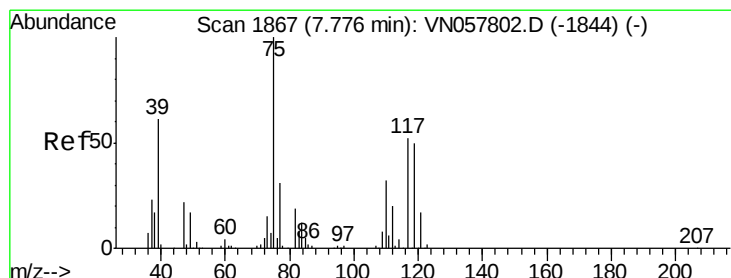
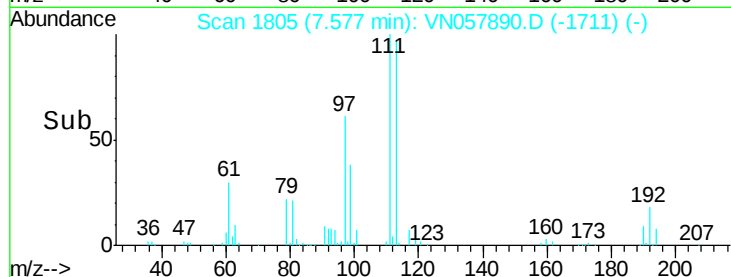
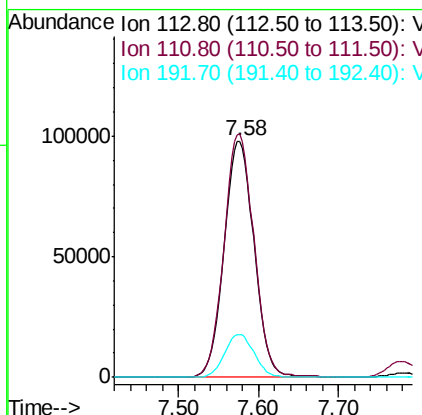
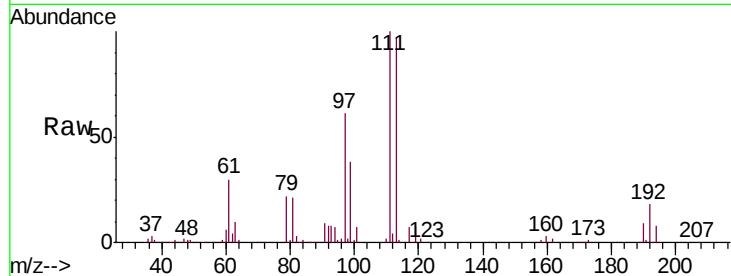
#35
Dibromofluoromethane
Concen: 50.293 ug/l
RT: 7.58 min Scan# 1805
Delta R.T. 0.00 min
Lab File: VN057890.D
Acq: 11 Sep 2019 1:30

Instrument :
MSVOA_N
ClientSampleId :
T11-MW-9-9.0-091019MS

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	250364		
111	102.7	81.3	121.9	
192	18.0	14.6	22.0	

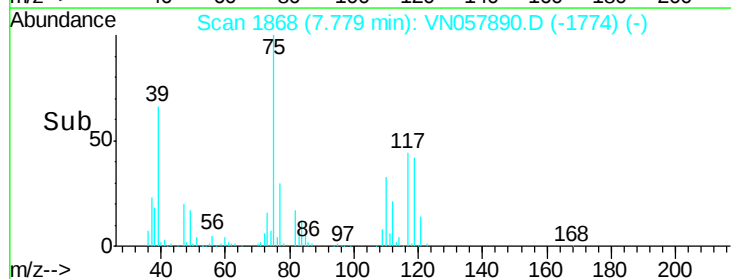
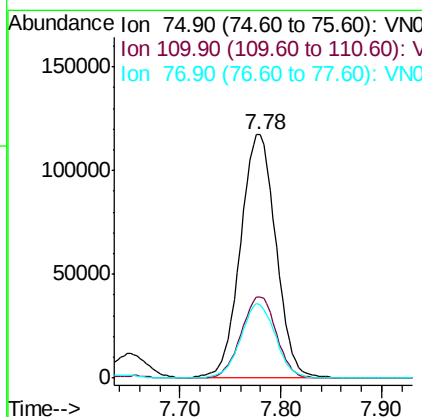
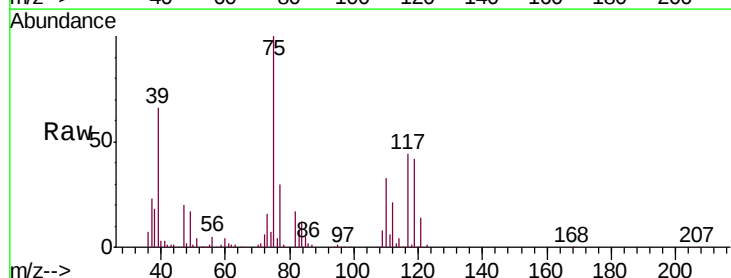
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#36
1,1-Dichloropropene
Concen: 45.395 ug/l
RT: 7.78 min Scan# 1868
Delta R.T. 0.00 min
Lab File: VN057890.D
Acq: 11 Sep 2019 1:30

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	283955		
110	33.3	16.3	48.9	
77	30.3	25.0	37.4	





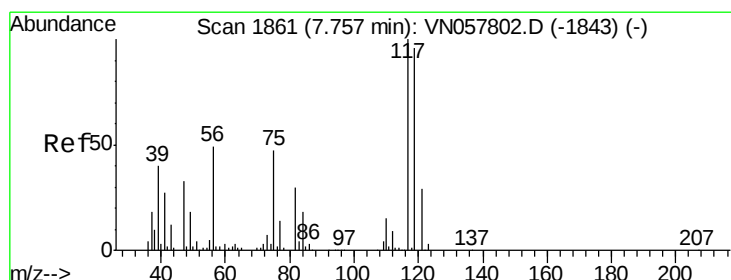
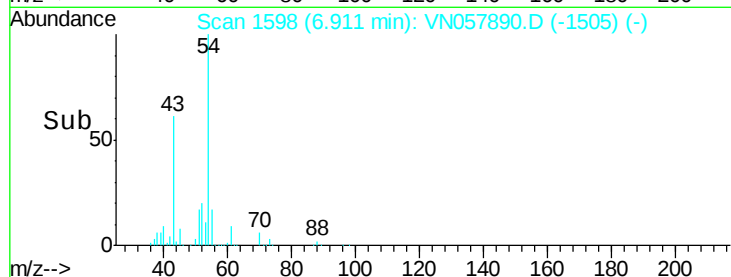
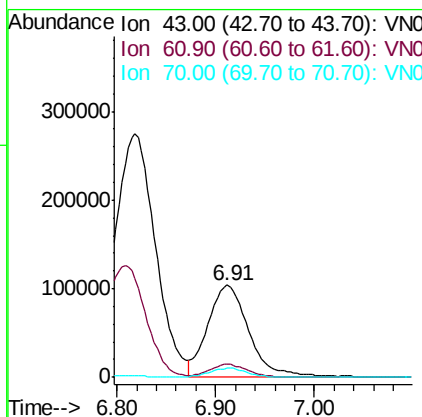
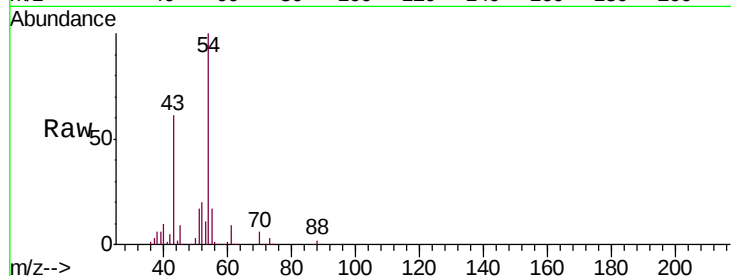
#37
Ethyl Acetate
Concen: 45.862 ug/l
RT: 6.91 min Scan# 1598
Delta R.T. 0.00 min
Lab File: VN057890.D
Acq: 11 Sep 2019 1:30

Instrument :
MSVOA_N
ClientSampleId :
T11-MW-9-9.0-091019MS

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	296398		
61	13.9	10.5	15.7	
70	9.4	7.4	11.0	

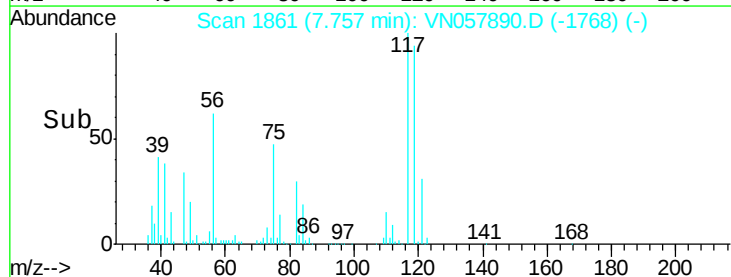
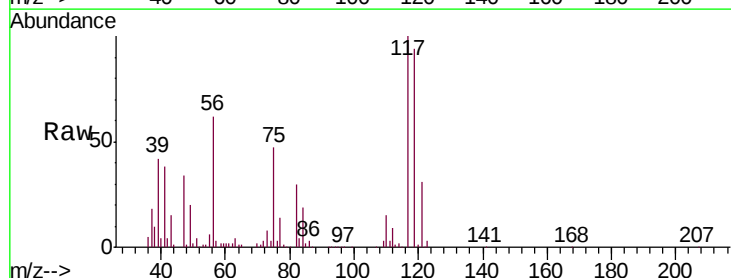
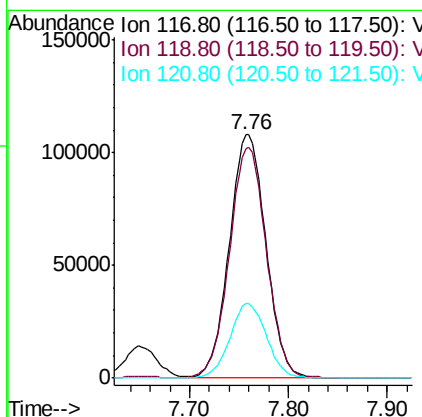
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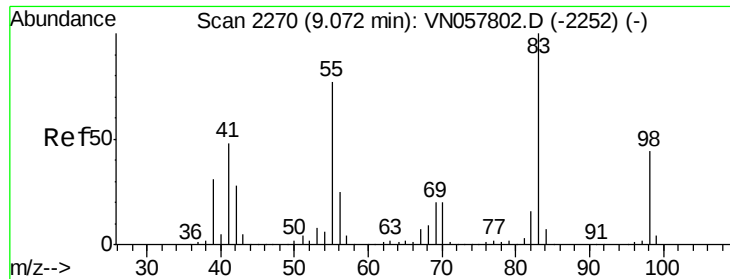
MMDadoda
9/13/2019 7:06:20 AM



#38
Carbon Tetrachloride
Concen: 48.601 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VN057890.D
Acq: 11 Sep 2019 1:30

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	277561		
119	94.3	76.9	115.3	
121	30.8	23.4	35.2	





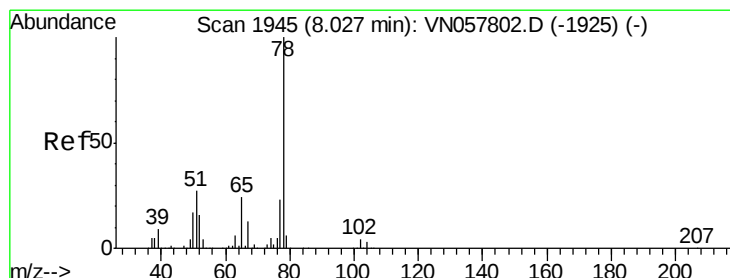
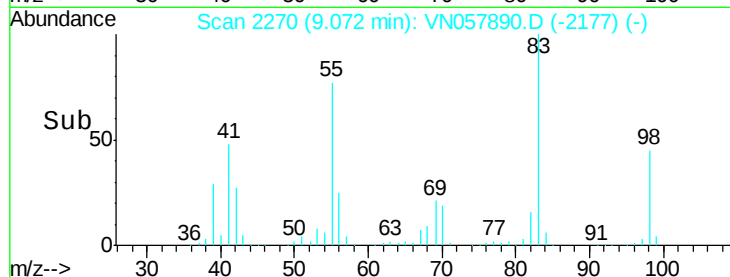
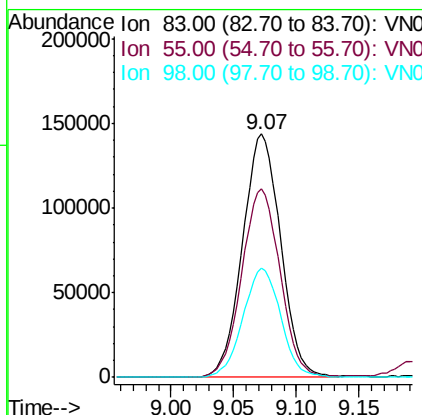
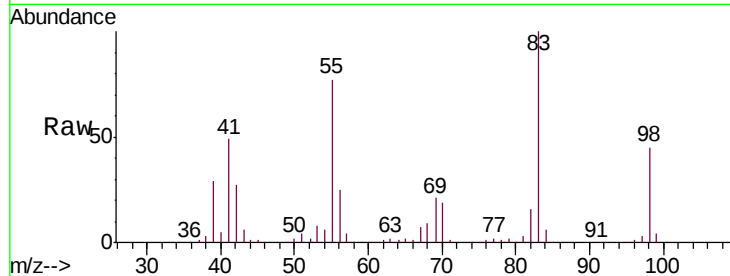
#39
Methylcyclohexane
Concen: 46.365 ug/l
RT: 9.07 min Scan# 2270
Delta R.T. 0.00 min
Lab File: VN057890.D
Acq: 11 Sep 2019 1:30

Instrument :
MSVOA_N
ClientSampleId :
T11-MW-9-9.0-091019MS

Tgt Ion	Ratio	Resp Lower	Resp Upper
83	100		
55	77.2	61.6	92.4
98	44.8	34.9	52.3

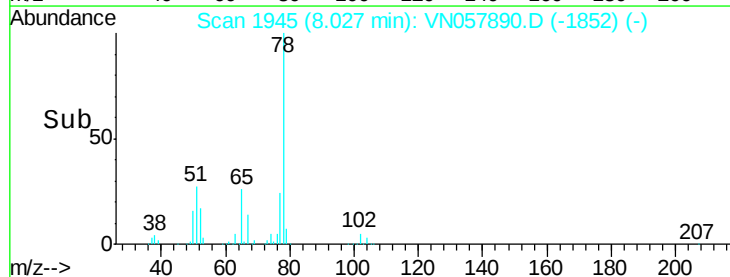
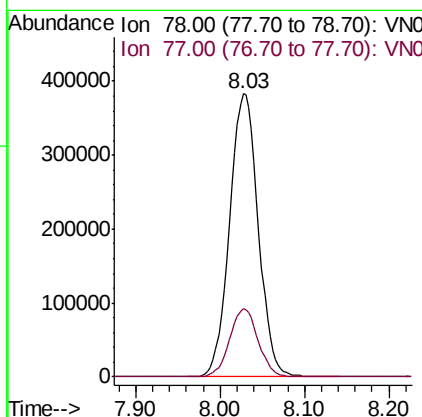
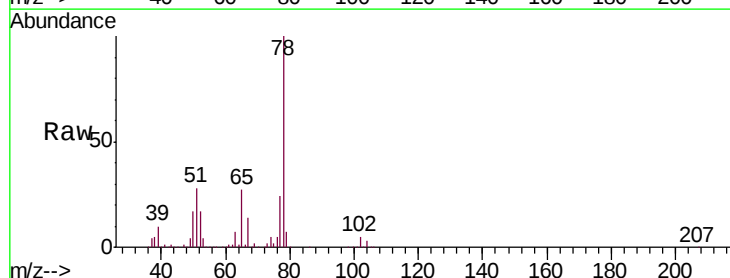
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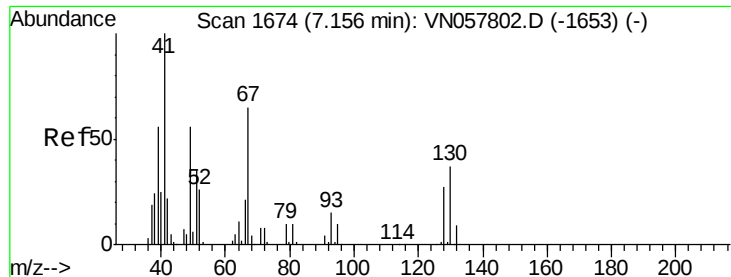
MMDadoda
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#40
Benzene
Concen: 48.046 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN057890.D
Acq: 11 Sep 2019 1:30

Tgt Ion	Ratio	Resp Lower	Resp Upper
78	100		
77	23.9	18.3	27.5





#41

Methacrylonitrile

Concen: 49.606 ug/l

RT: 7.16 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VN057890.D

Acq: 11 Sep 2019 1:30

Instrument :

MSVOA_N

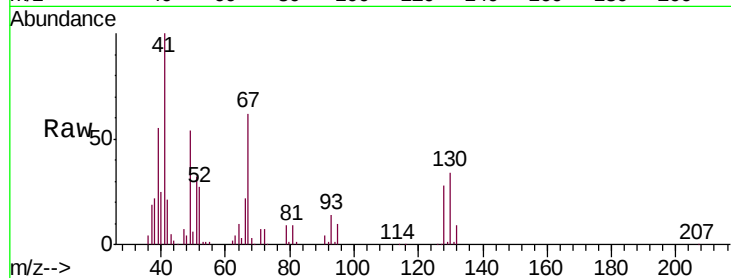
ClientSampleId :

T11-MW-9-9.0-091019MS

Tgt Ion	Ratio	Lower	Upper
41	100		
39	66.0	51.0	76.6
67	87.0	70.7	106.1
52	38.6	30.8	46.2

Manual Integrations
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MMDadoda
9/13/2019 7:06:20 AM

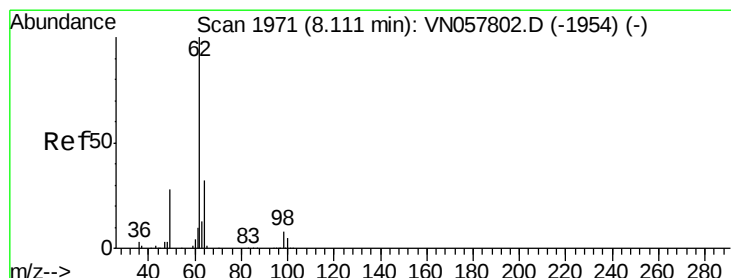
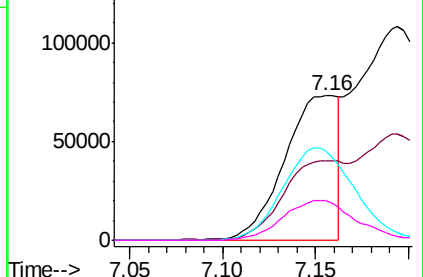
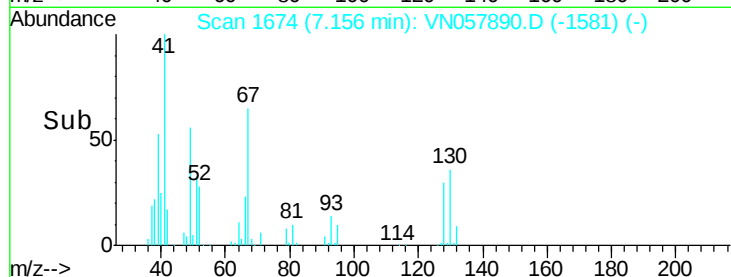


Abundance Ion 41.00 (40.70 to 41.70): VN057890.D (-1581) (-)

Ion 39.00 (38.70 to 39.70): VN057890.D (-1581) (-)

Ion 67.00 (66.70 to 67.70): VN057890.D (-1581) (-)

Ion 52.00 (51.70 to 52.70): VN057890.D (-1581) (-)



#42

1,2-Dichloroethane

Concen: 47.654 ug/l

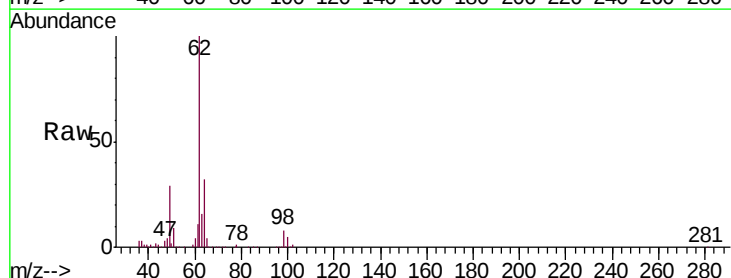
RT: 8.11 min Scan# 1971

Delta R.T. 0.00 min

Lab File: VN057890.D

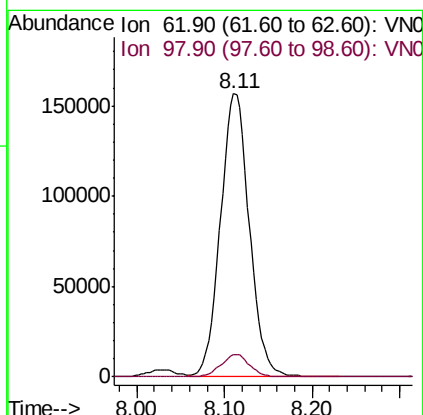
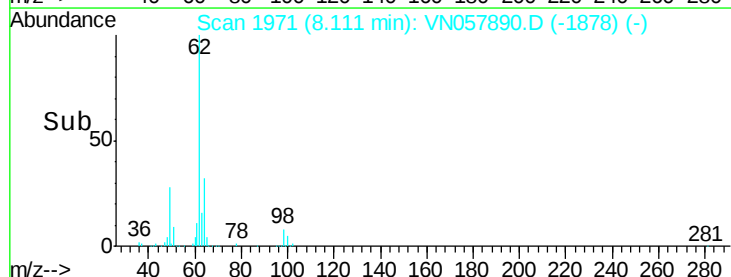
Acq: 11 Sep 2019 1:30

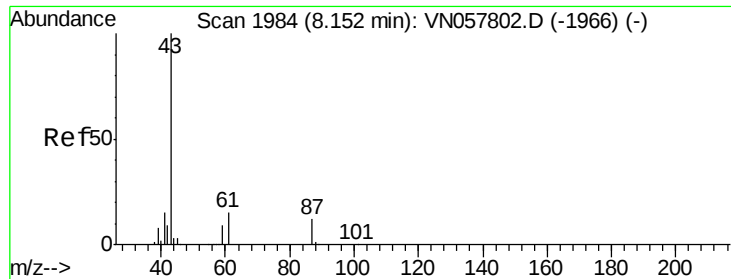
Tgt Ion	Ratio	Lower	Upper
62	100		
98	7.8	0.0	15.8



Abundance Ion 61.90 (61.60 to 62.60): VN057890.D (-1878) (-)

Ion 97.90 (97.60 to 98.60): VN057890.D (-1878) (-)





#43

Isopropyl Acetate

Concen: 49.094 ug/l

RT: 8.15 min Scan# 1984

Delta R.T. 0.00 min

Lab File: VN057890.D

Acq: 11 Sep 2019 1:30

Instrument :

MSVOA_N

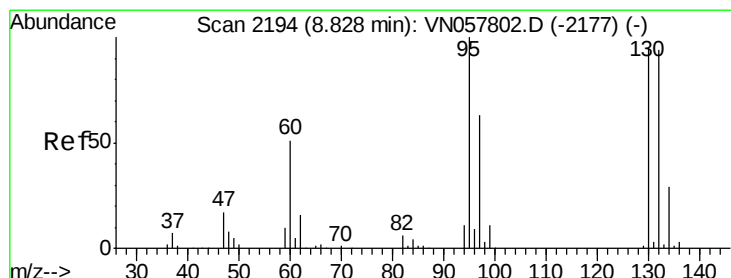
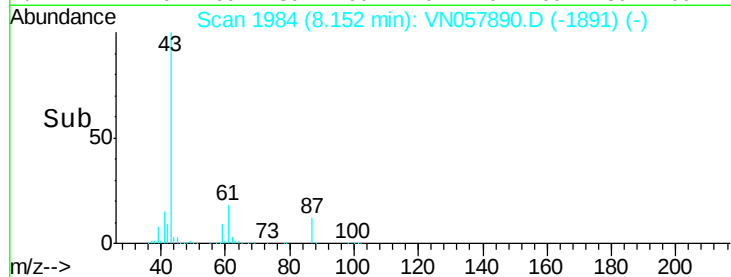
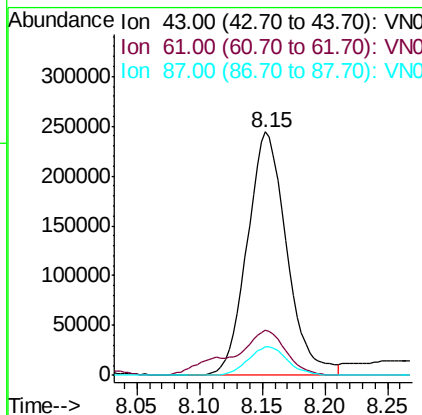
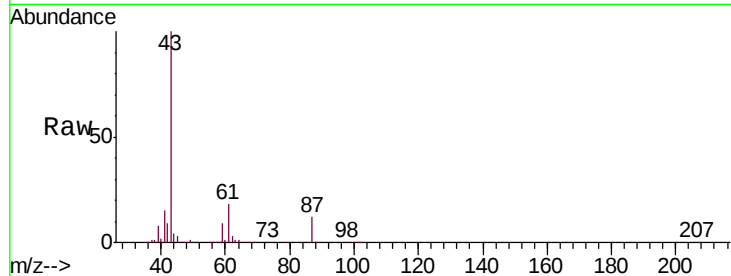
ClientSampleId :

T11-MW-9-9.0-091019MS

Tgt Ion:	43	Resp:	533570
Ion Ratio		Lower	Upper
43	100		
61	18.1	20.1	30.1#
87	11.8	9.5	14.3

Manual Integrations
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#44

Trichloroethene

Concen: 46.792 ug/l

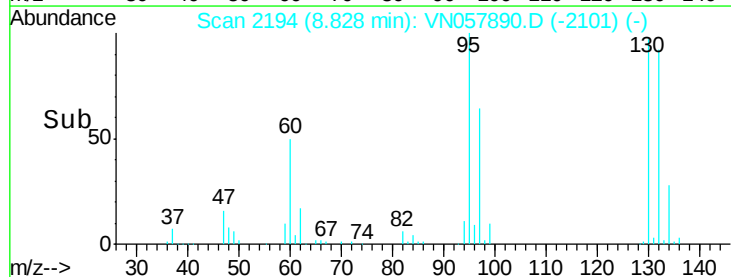
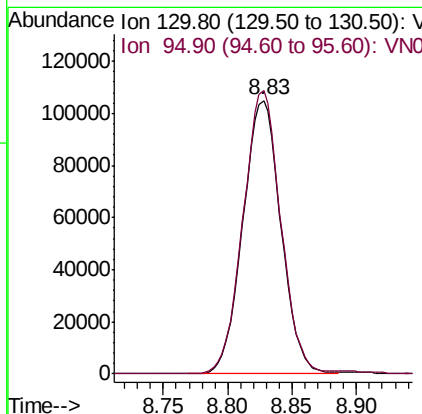
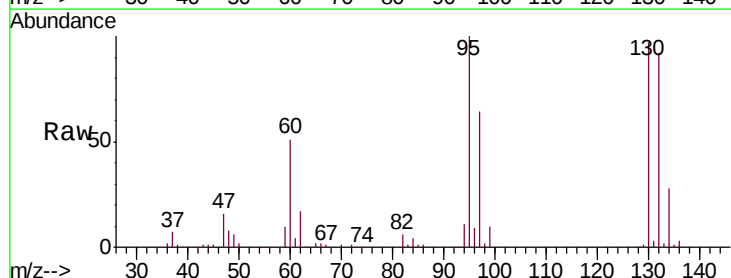
RT: 8.83 min Scan# 2194

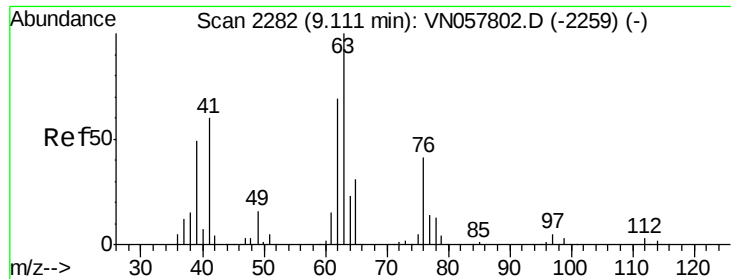
Delta R.T. 0.00 min

Lab File: VN057890.D

Acq: 11 Sep 2019 1:30

Tgt Ion:	130	Resp:	216134
Ion Ratio		Lower	Upper
130	100		
95	103.5	0.0	211.4





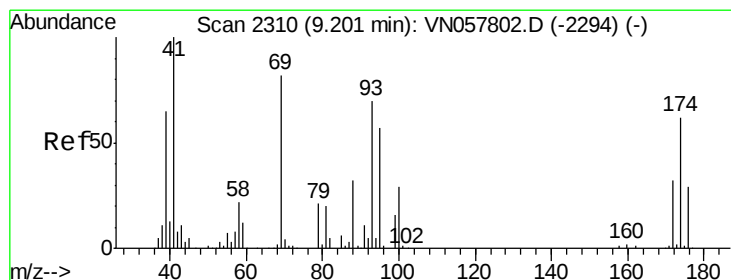
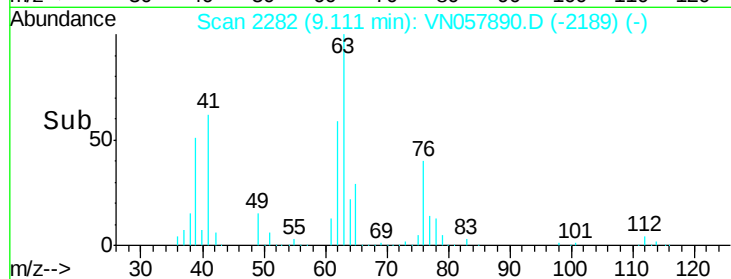
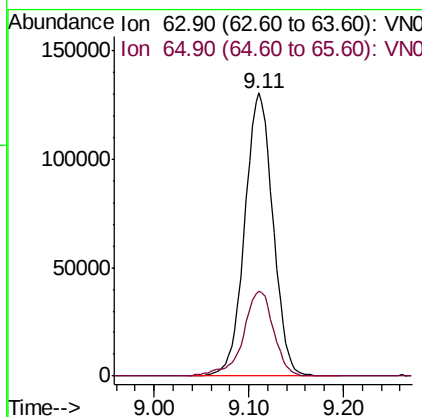
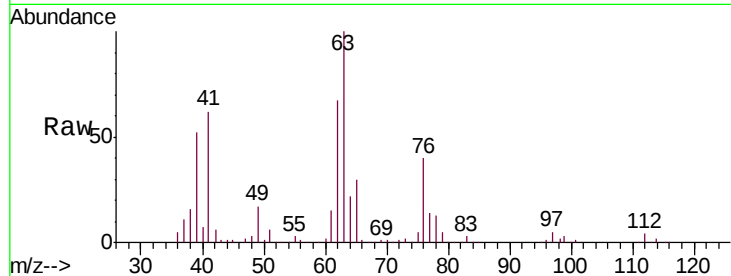
#45
 1,2-Dichloropropane
 Concen: 49.397 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. 0.00 min
 Lab File: VN057890.D
 Acq: 11 Sep 2019 1:30

Instrument :
 MSVOA_N
 ClientSampleId :
 T11-MW-9-9.0-091019MS

Tgt Ion: 63 Resp: 270691
 Ion Ratio Lower Upper
 63 100
 65 29.8 24.8 37.2

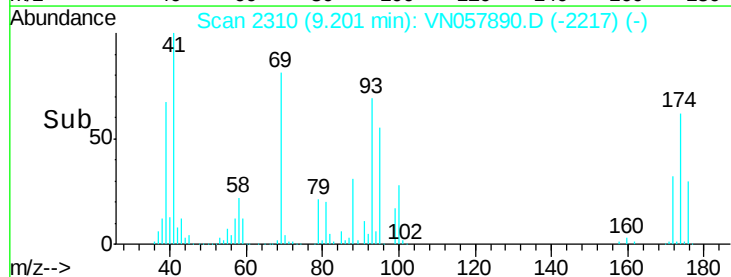
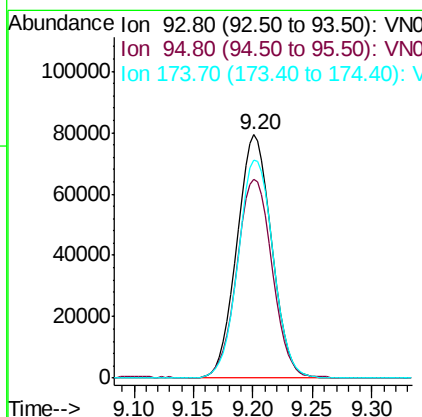
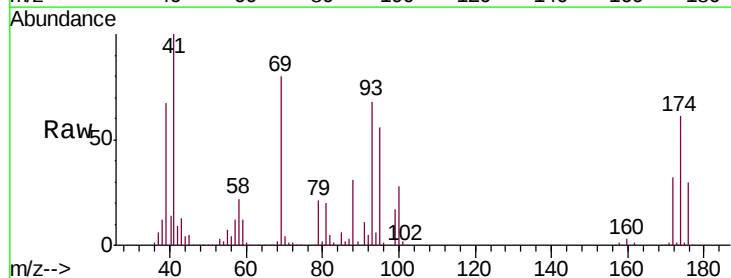
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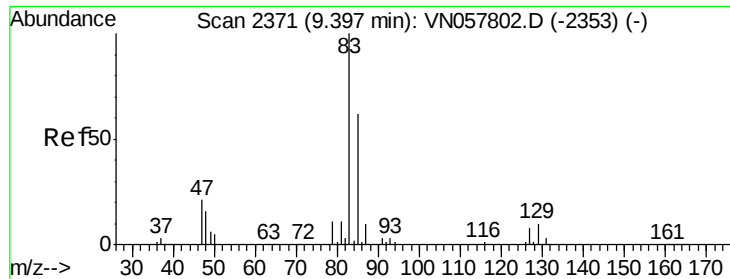
MMDadoda
 9/13/2019 7:06:20 AM



#46
 Dibromomethane
 Concen: 48.628 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN057890.D
 Acq: 11 Sep 2019 1:30

Tgt Ion: 93 Resp: 161028
 Ion Ratio Lower Upper
 93 100
 95 83.4 65.9 98.9
 174 90.6 71.8 107.6





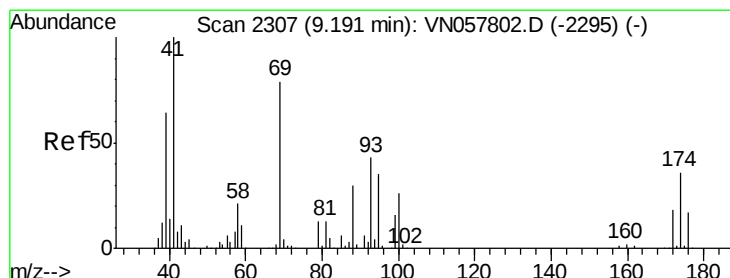
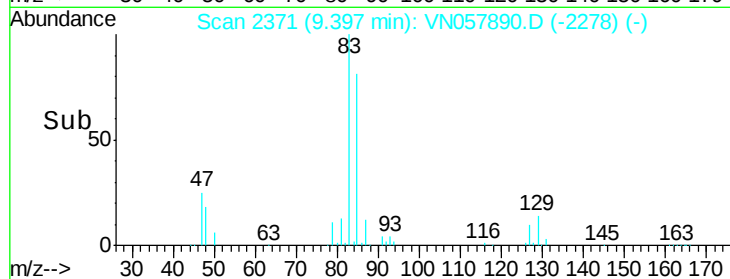
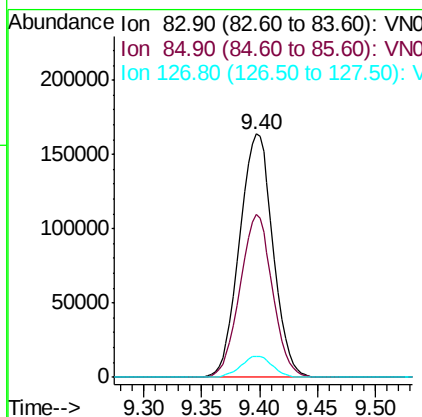
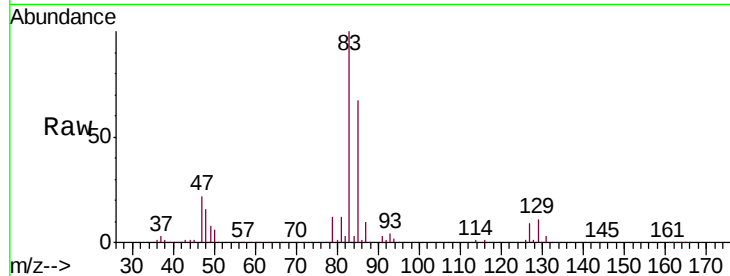
#47
Bromodichloromethane
Concen: 49.733 ug/l
RT: 9.40 min Scan# 2371
Delta R.T. 0.00 min
Lab File: VN057890.D
Acq: 11 Sep 2019 1:30

Instrument :
MSVOA_N
ClientSampleId :
T11-MW-9-9.0-091019MS

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	328863		
85	67.0	49.9	74.9	
127	8.7	6.5	9.7	

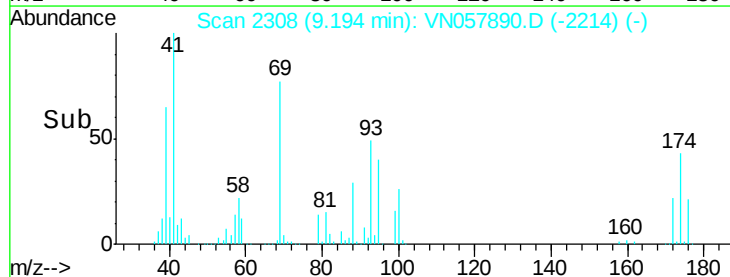
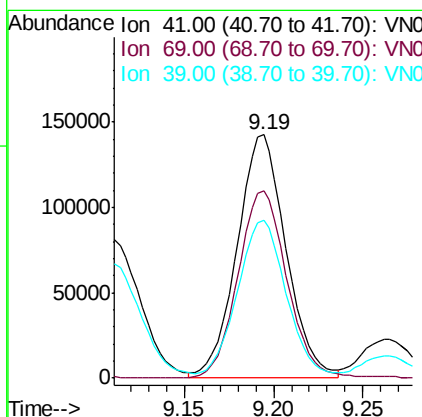
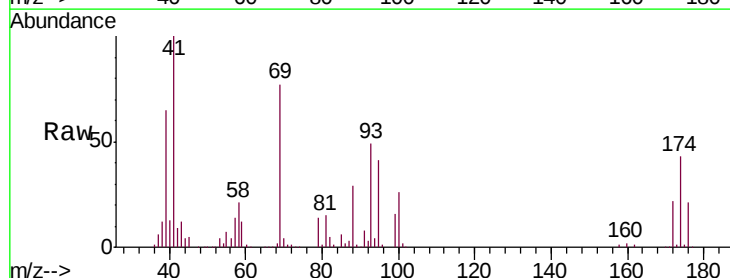
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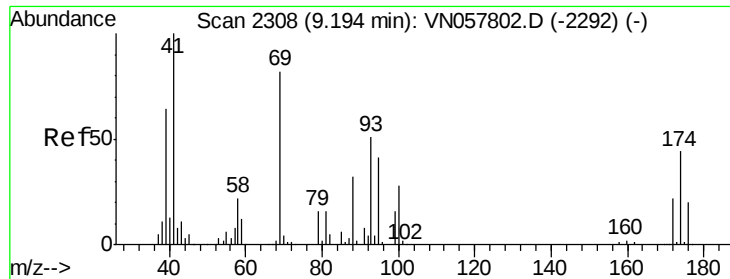
MMDadoda
9/13/2019 7:06:20 AM



#48
Methyl methacrylate
Concen: 49.211 ug/l
RT: 9.19 min Scan# 2308
Delta R.T. 0.00 min
Lab File: VN057890.D
Acq: 11 Sep 2019 1:30

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	271306		
69	77.4	62.7	94.1	
39	65.5	52.7	79.1	





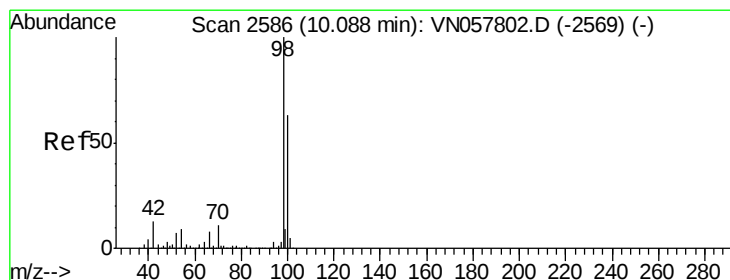
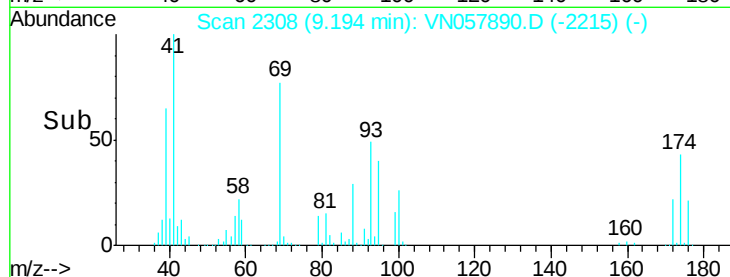
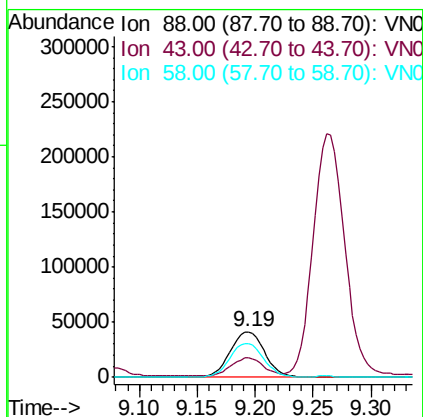
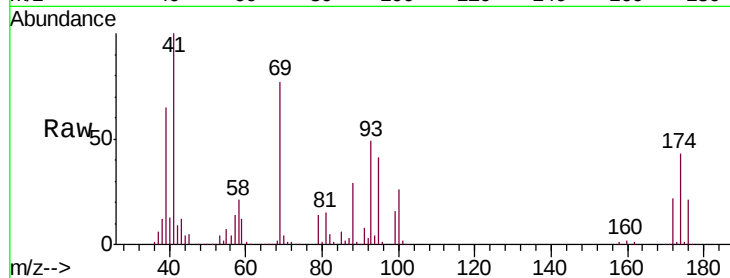
#49
1,4-Dioxane
Concen: 925.179 ug/l
RT: 9.19 min Scan# 2308
Delta R.T. 0.00 min
Lab File: VN057890.D
Acq: 11 Sep 2019 1:30

Instrument :
MSVOA_N
ClientSampleId :
T11-MW-9-9.0-091019MS

Tgt Ion	Ratio	Lower	Upper
88	100		
43	36.7	28.5	42.7
58	72.9	55.8	83.6

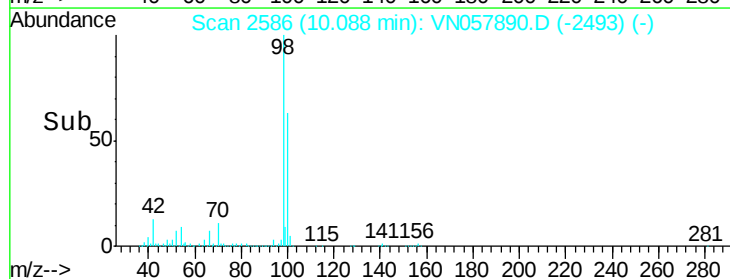
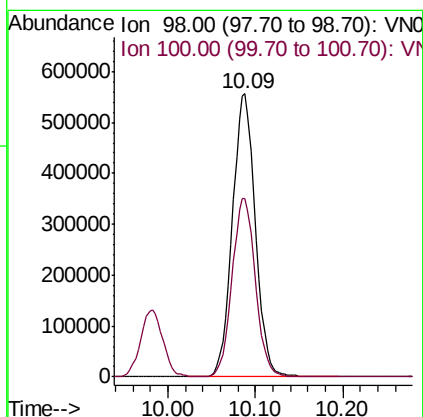
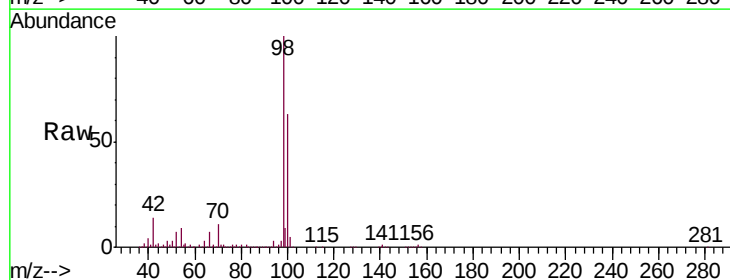
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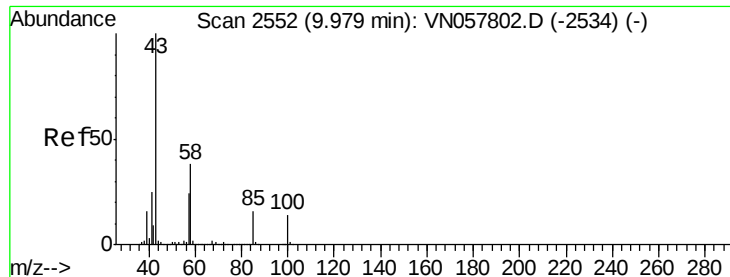
MMDadoda
9/13/2019 7:06:20 AM



#50
Toluene-d8
Concen: 52.335 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. 0.00 min
Lab File: VN057890.D
Acq: 11 Sep 2019 1:30

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.9	50.3	75.5





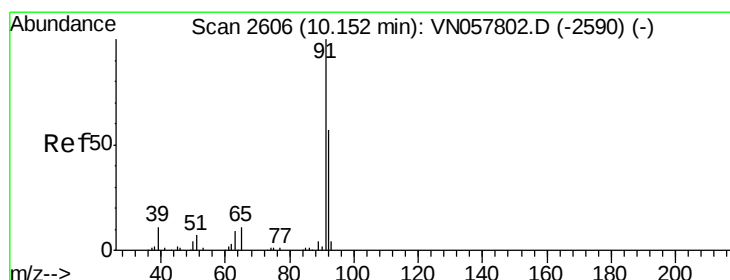
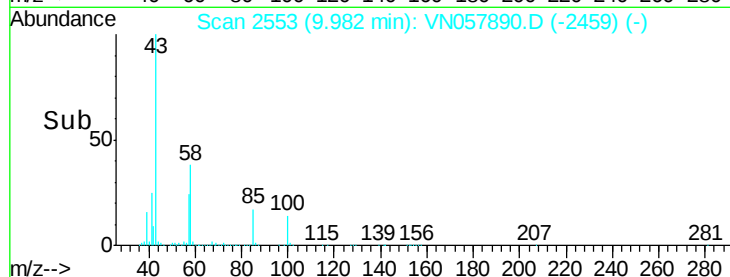
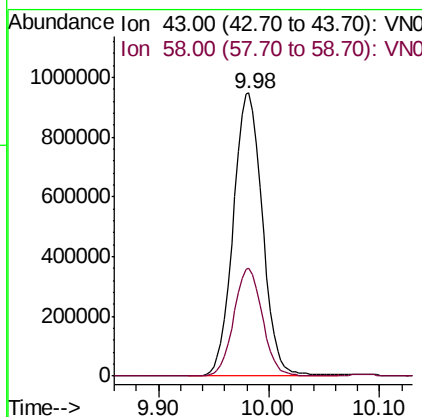
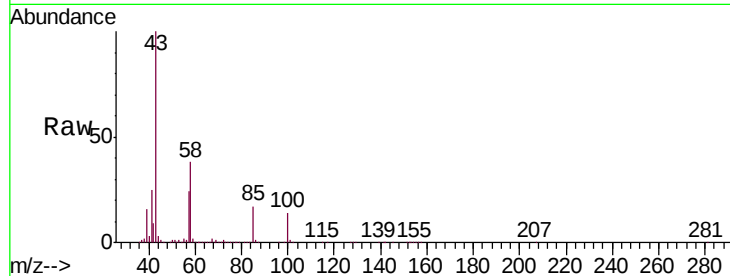
#51
 4-Methyl-2-Pentanone
 Concen: 269.845 ug/l
 RT: 9.98 min Scan# 2553
 Delta R.T. 0.00 min
 Lab File: VN057890.D
 Acq: 11 Sep 2019 1:30

Instrument :
 MSVOA_N
 ClientSampleId :
 T11-MW-9-9.0-091019MS

Tgt Ion: 43 Resp: 1735516
 Ion Ratio Lower Upper
 43 100
 58 37.6 29.8 44.6

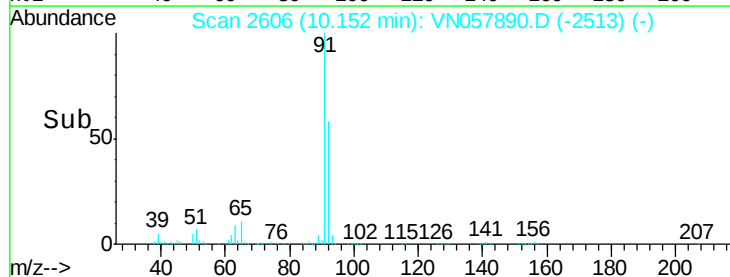
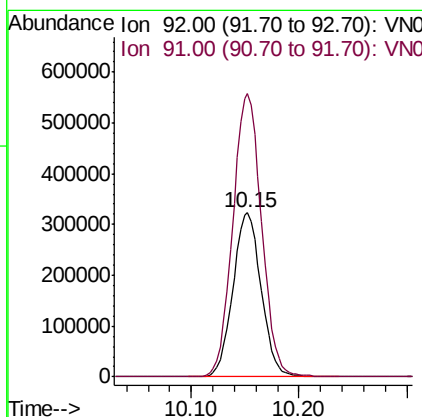
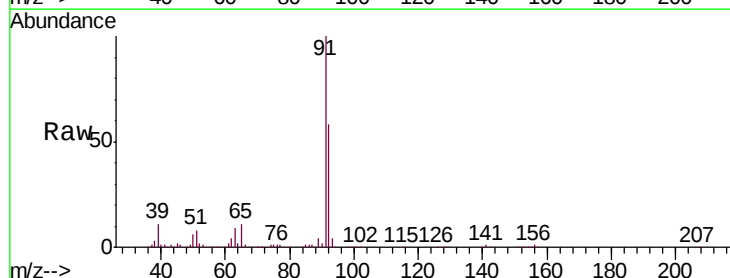
Manual Integrations
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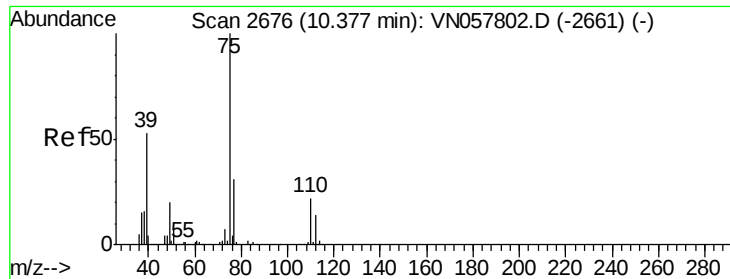
MMDadoda
 9/13/2019 7:06:20 AM



#52
 Toluene
 Concen: 49.799 ug/l
 RT: 10.15 min Scan# 2606
 Delta R.T. 0.00 min
 Lab File: VN057890.D
 Acq: 11 Sep 2019 1:30

Tgt Ion: 92 Resp: 590676
 Ion Ratio Lower Upper
 92 100
 91 175.5 141.0 211.6





#53

t-1,3-Dichloropropene

Concen: 48.957 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN057890.D

Acq: 11 Sep 2019 1:30

Instrument :

MSVOA_N

ClientSampleId :

T11-MW-9-9.0-091019MS

Tgt Ion: 75 Resp: 340905

Ion Ratio Lower Upper

75 100

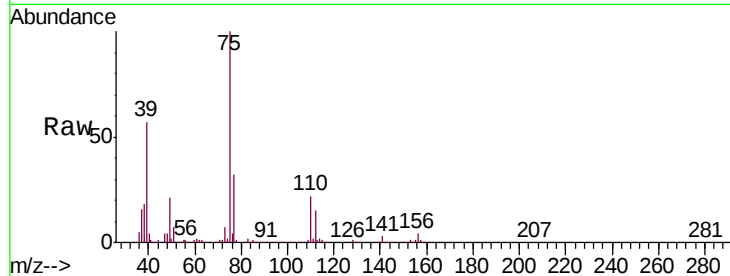
77 31.1 24.5 36.7

Manual Integrations

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Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.38

200000

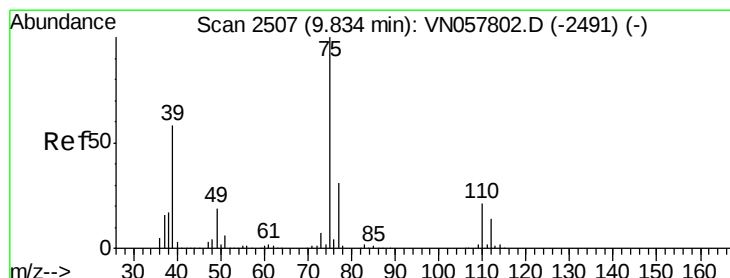
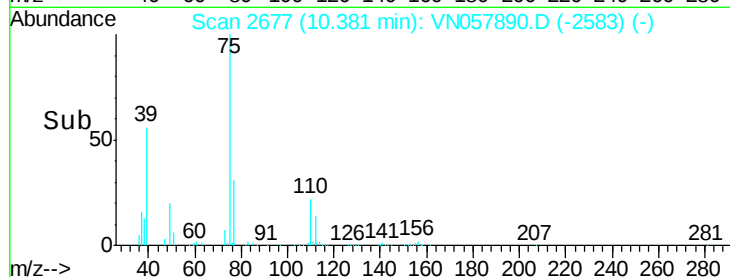
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 48.182 ug/l

RT: 9.83 min Scan# 2507

Delta R.T. 0.00 min

Lab File: VN057890.D

Acq: 11 Sep 2019 1:30

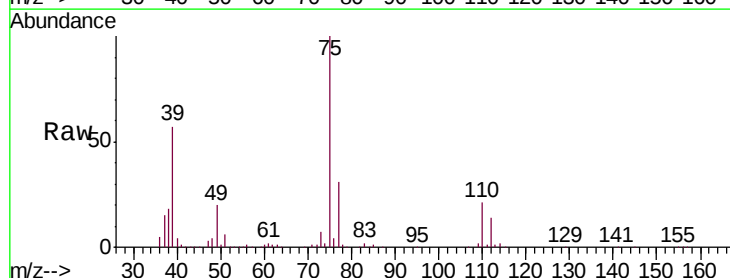
Tgt Ion: 75 Resp: 370427

Ion Ratio Lower Upper

75 100

77 30.9 24.8 37.2

39 56.8 46.2 69.4



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

9.83

250000

200000

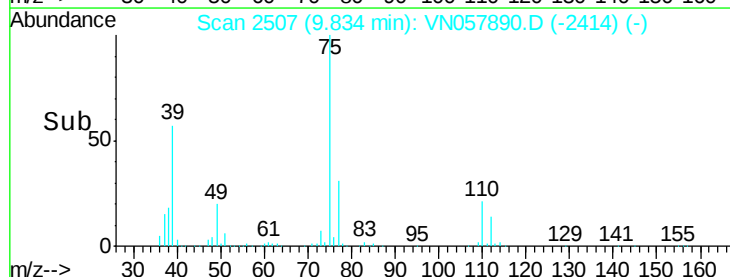
150000

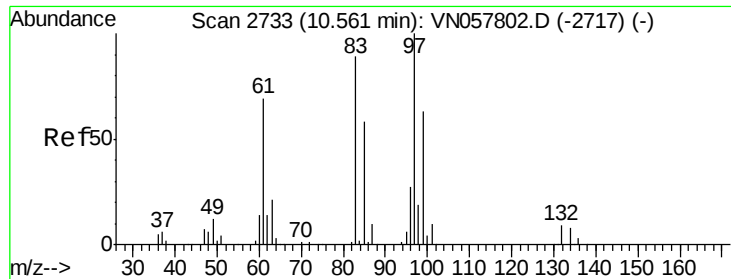
100000

50000

0

Time-->





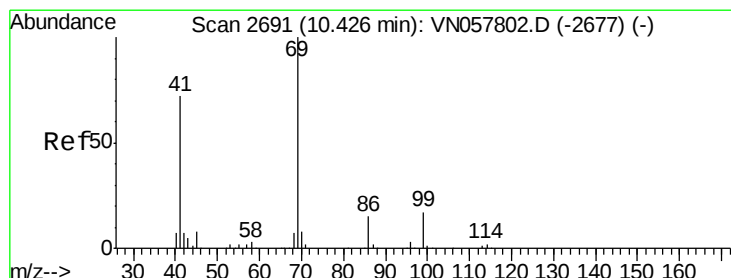
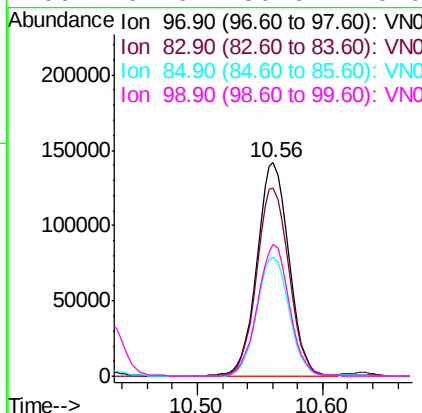
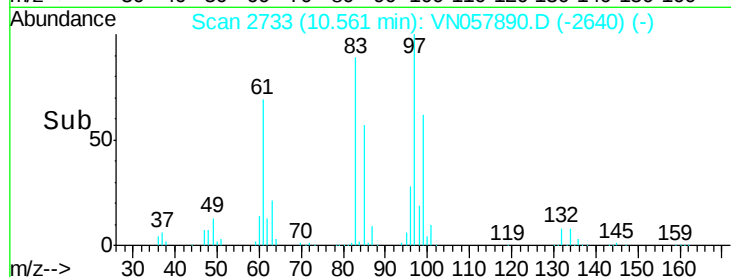
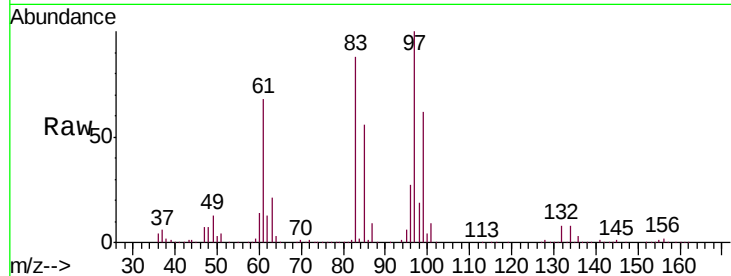
#55
 1,1,2-Trichloroethane
 Concen: 50.219 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN057890.D
 Acq: 11 Sep 2019 1:30

Instrument :
 MSVOA_N
 ClientSampleId :
 T11-MW-9-9.0-091019MS

Tgt Ion:	97	Resp:	252314
Ion	Ratio	Lower	Upper
97	100		
83	88.3	70.8	106.2
85	55.9	46.0	69.0
99	61.6	50.6	76.0

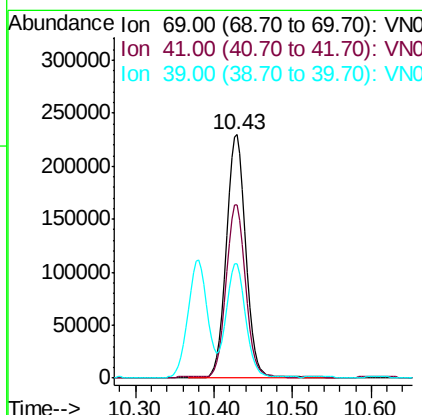
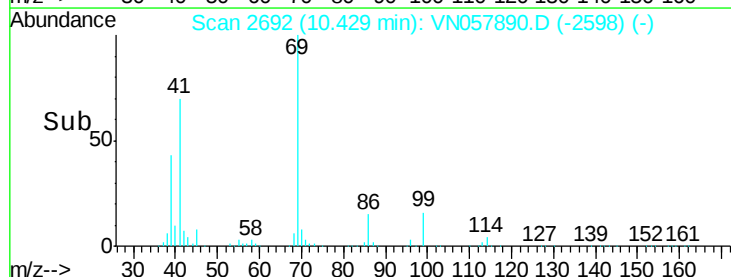
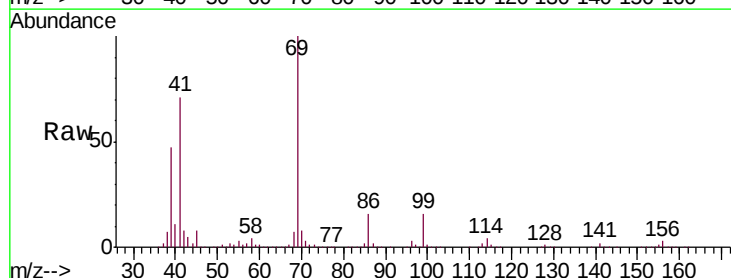
Manual Integrations
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 9/13/2019 7:06:20 AM



#56
 Ethyl methacrylate
 Concen: 51.565 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN057890.D
 Acq: 11 Sep 2019 1:30

Tgt Ion:	69	Resp:	390143
Ion	Ratio	Lower	Upper
69	100		
41	70.8	56.7	85.1
39	46.9	36.3	54.5





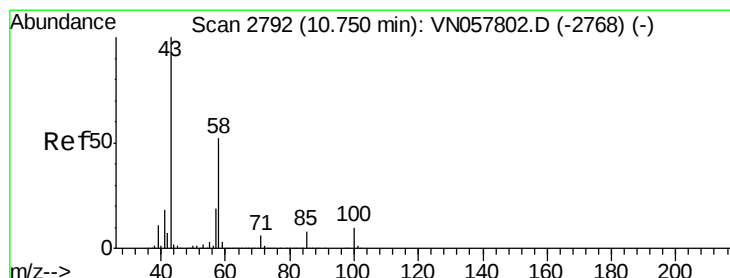
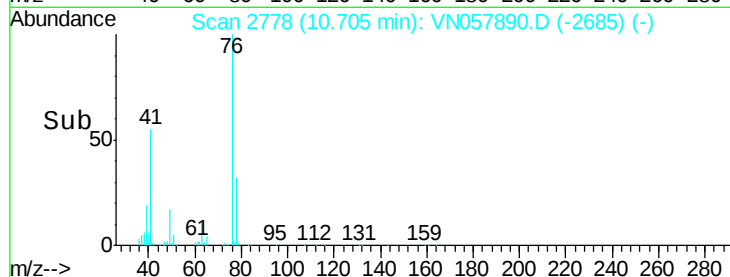
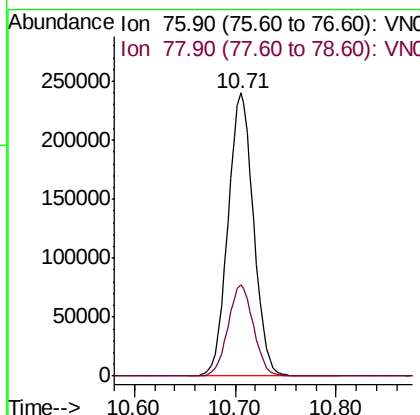
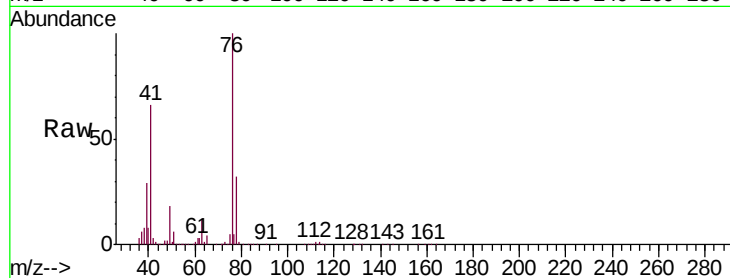
#57
 1,3-Dichloropropane
 Concen: 48.793 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. 0.00 min
 Lab File: VN057890.D
 Acq: 11 Sep 2019 1:30

Instrument :
 MSVOA_N
 ClientSampleId :
 T11-MW-9-9.0-091019MS

Tgt Ion: 76 Resp: 422485
 Ion Ratio Lower Upper
 76 100
 78 32.4 25.4 38.2

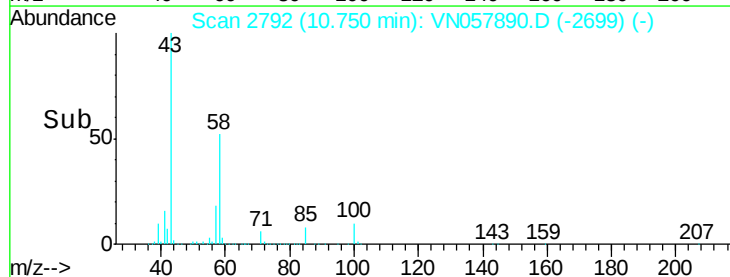
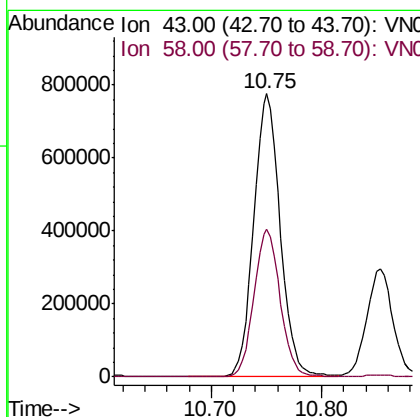
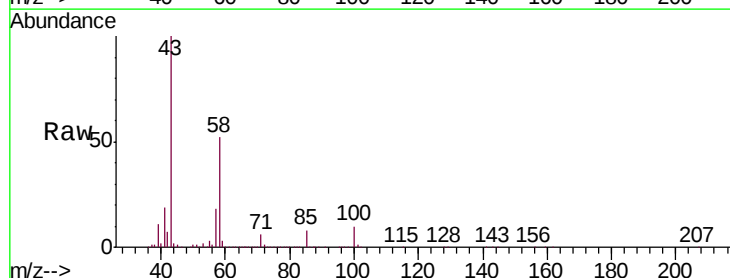
Manual Integrations
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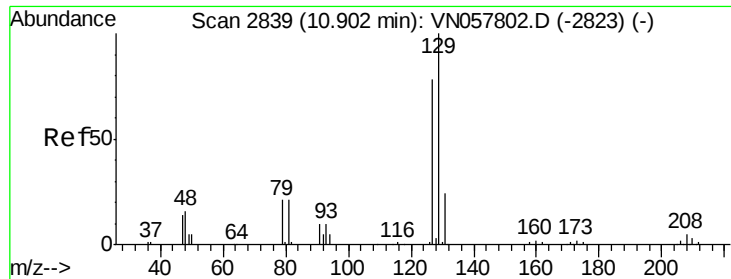
MMDadoda
 9/13/2019 7:06:20 AM



#59
 2-Hexanone
 Concen: 267.353 ug/l
 RT: 10.75 min Scan# 2792
 Delta R.T. 0.00 min
 Lab File: VN057890.D
 Acq: 11 Sep 2019 1:30

Tgt Ion: 43 Resp: 1288822
 Ion Ratio Lower Upper
 43 100
 58 51.8 25.6 76.8





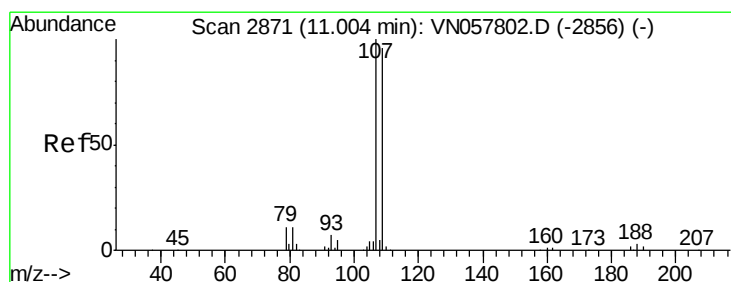
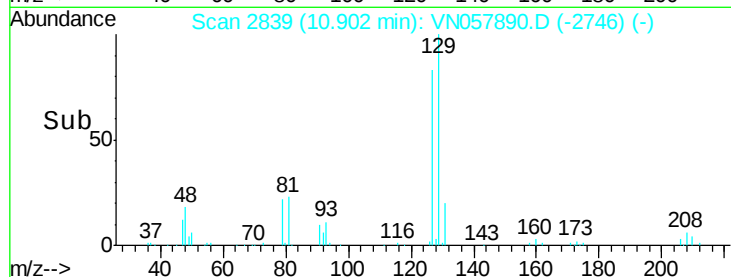
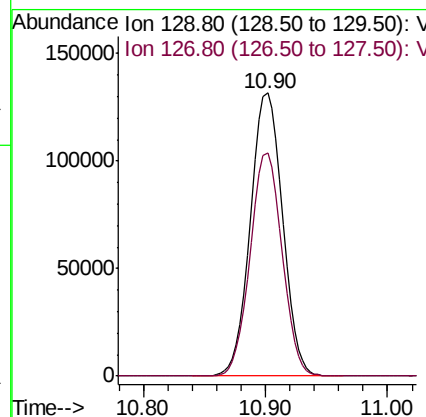
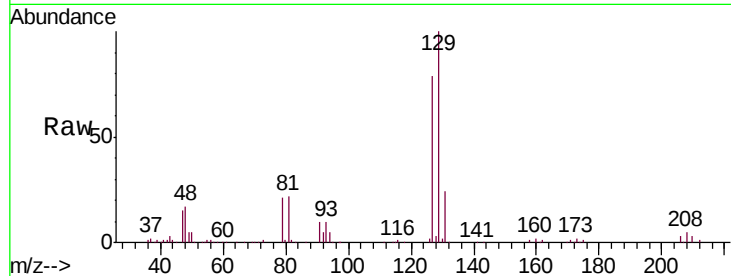
#60
 Dibromochloromethane
 Concen: 51.064 ug/l
 RT: 10.90 min Scan# 2839
 Delta R.T. 0.00 min
 Lab File: VN057890.D
 Acq: 11 Sep 2019 1:30

Instrument :
 MSVOA_N
 ClientSampleId :
 T11-MW-9-9.0-091019MS

Tgt Ion	Ratio	Resp	Lower	Upper
129	100	238241		
127	78.5	38.6	116.0	

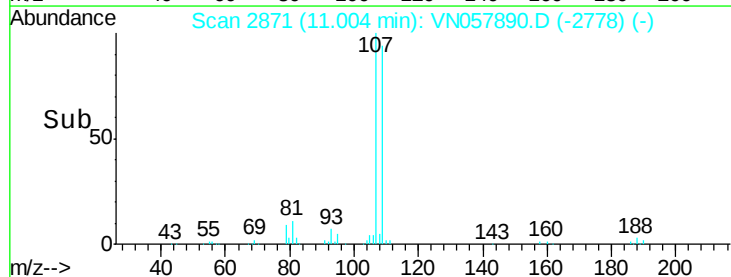
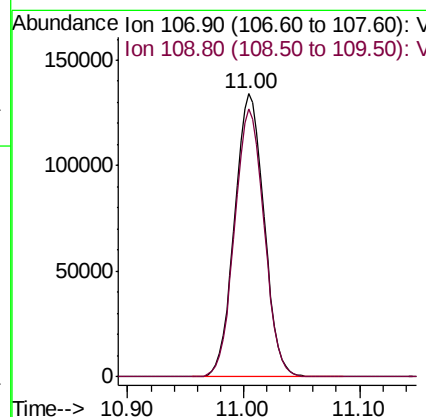
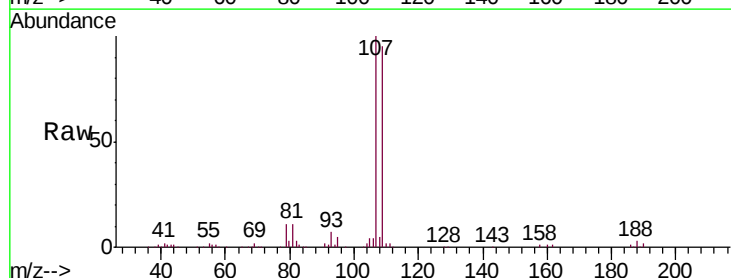
Manual Integrations
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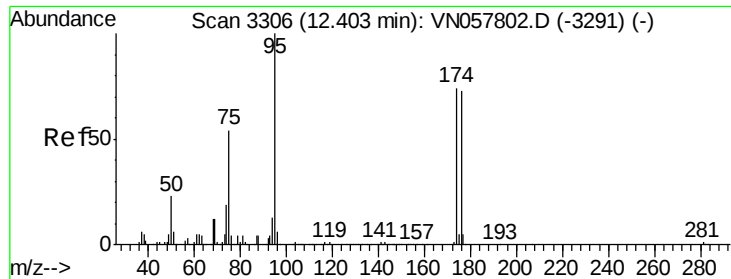
MMDadoda
 9/13/2019 7:06:20 AM



#61
 1,2-Dibromoethane
 Concen: 49.724 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN057890.D
 Acq: 11 Sep 2019 1:30

Tgt Ion	Ratio	Resp	Lower	Upper
107	100	236189		
109	94.6	75.3	112.9	





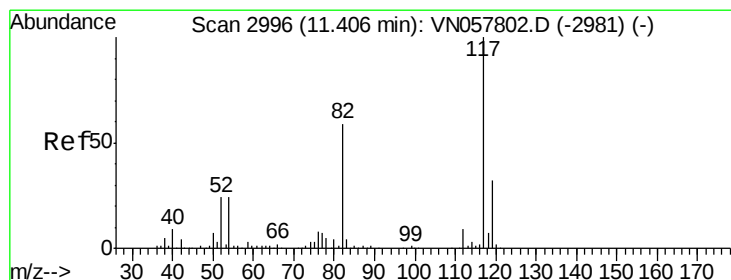
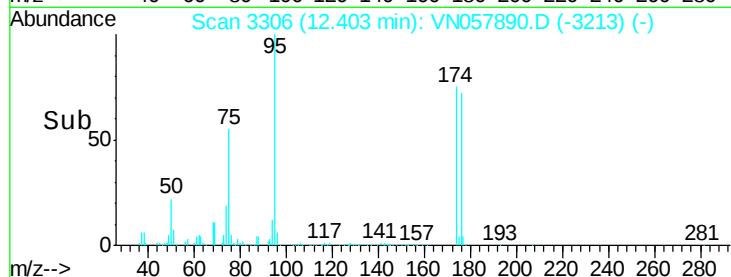
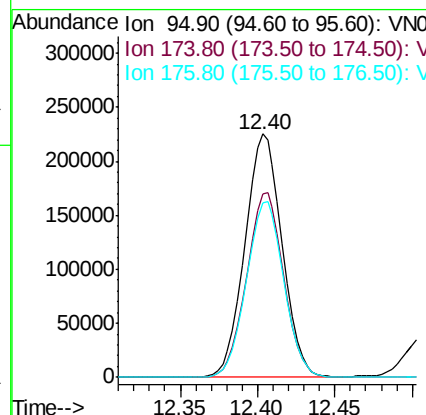
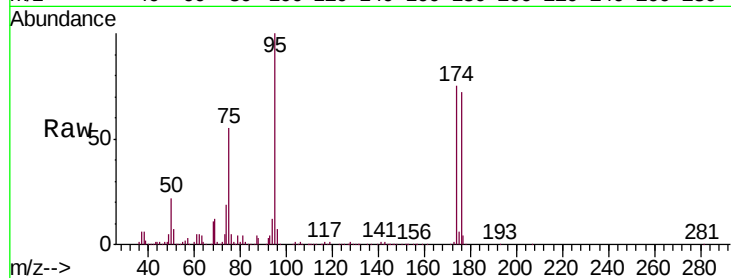
#62
4-Bromofluorobenzene
Concen: 50.640 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN057890.D
Acq: 11 Sep 2019 1:30

Instrument :
MSVOA_N
ClientSampleId :
T11-MW-9-9.0-091019MS

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	372993		
174	76.2	0.0	150.2	
176	73.4	0.0	146.0	

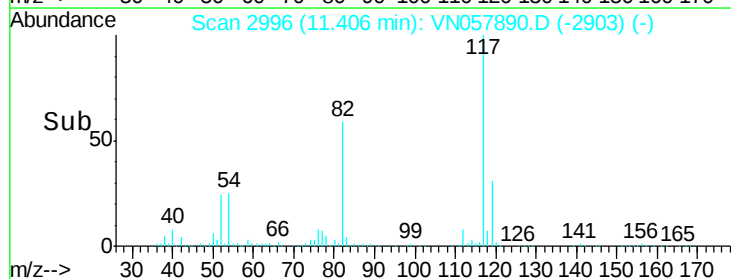
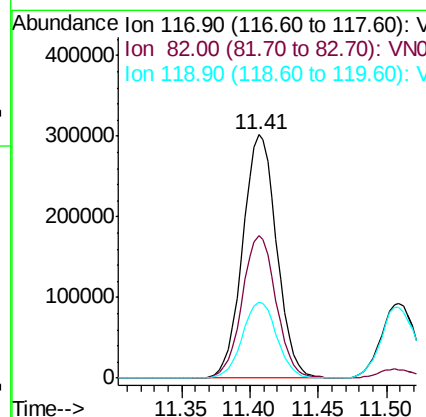
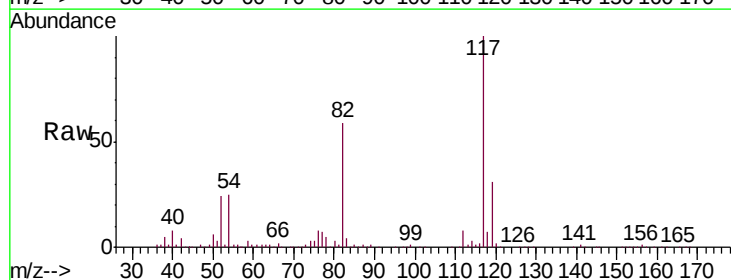
Manual Integrations
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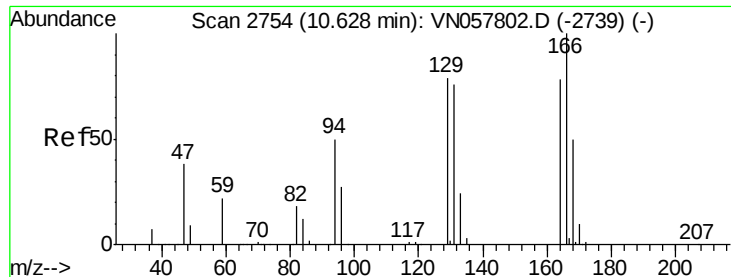
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#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN057890.D
Acq: 11 Sep 2019 1:30

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	522280		
82	58.5	47.2	70.8	
119	31.3	25.3	37.9	





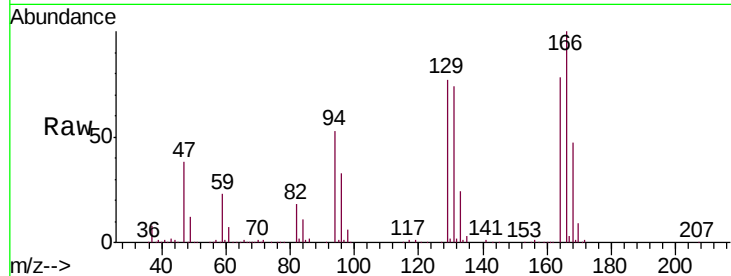
#64
Tetrachloroethene
Concen: 43.562 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN057890.D
Acq: 11 Sep 2019 1:30

Instrument :
MSVOA_N
ClientSampleId :
T11-MW-9-9.0-091019MS

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
166	127.7	167988	102.2	153.2
129	98.4		80.8	121.2
131	94.2		77.4	116.2

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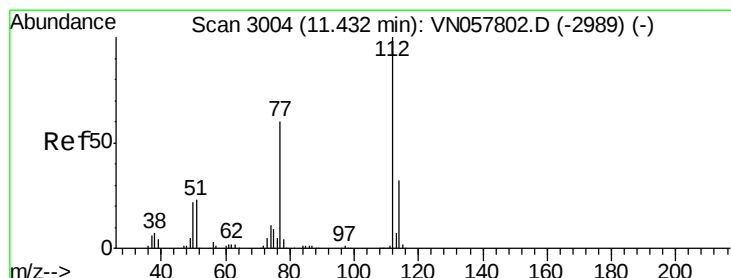
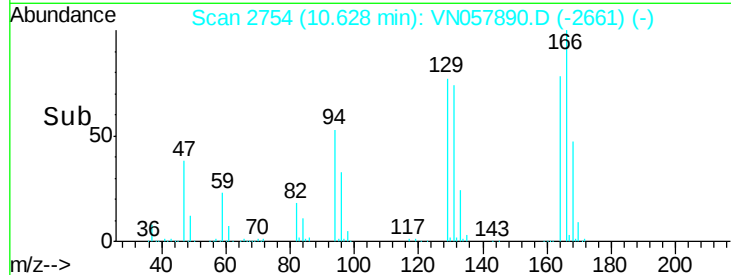
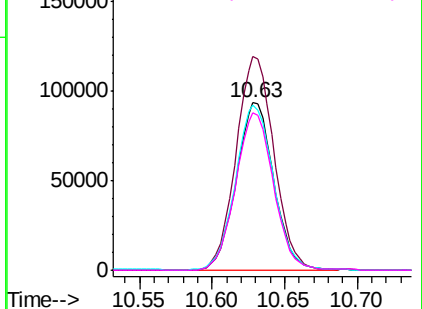
Abundance

Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

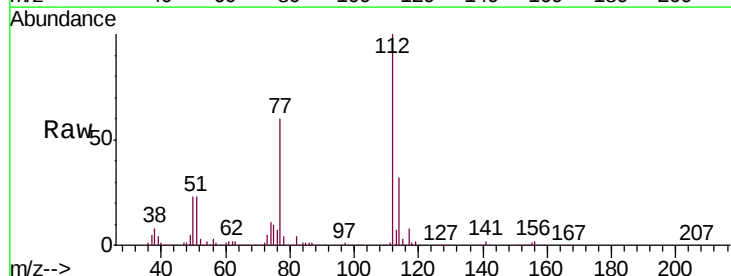
Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#65
Chlorobenzene
Concen: 47.627 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN057890.D
Acq: 11 Sep 2019 1:30

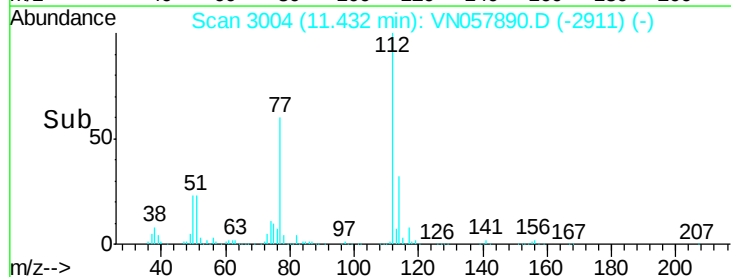
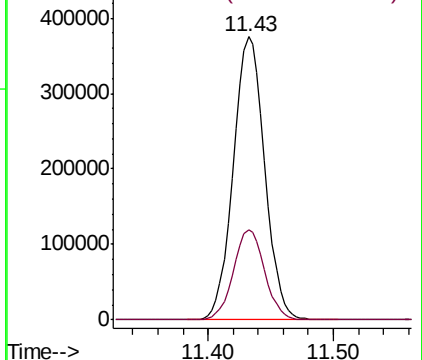
Tgt Ion	Ratio	Resp	Lower	Upper
112	100	650990		
114	31.8		25.2	37.8

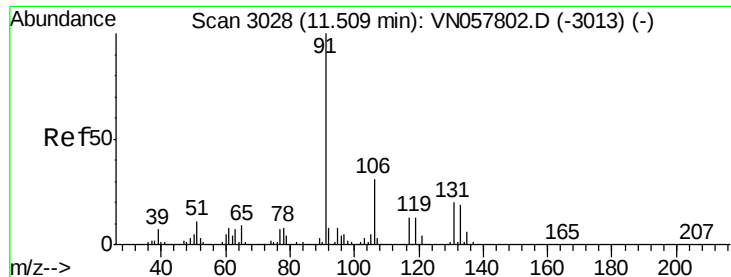


Abundance

Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V





#66

1,1,1,2-Tetrachloroethane

Concen: 49.374 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN057890.D

Acq: 11 Sep 2019 1:30

Instrument :

MSVOA_N

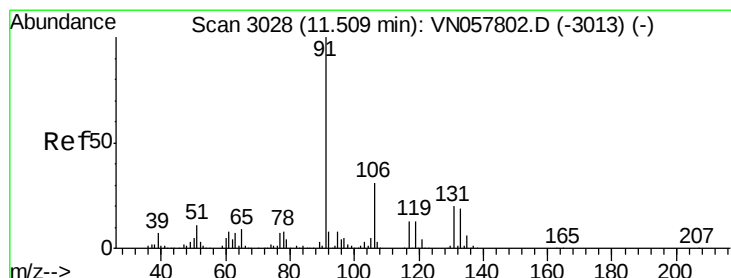
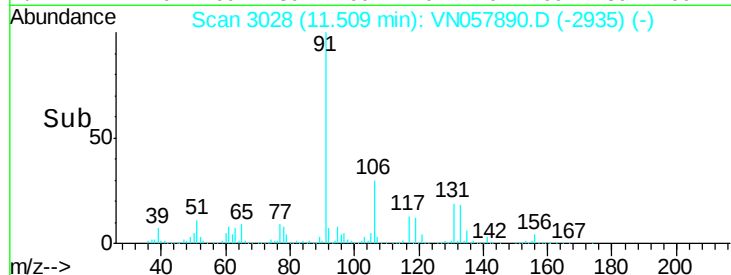
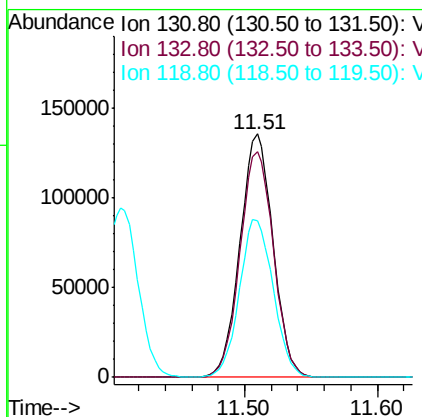
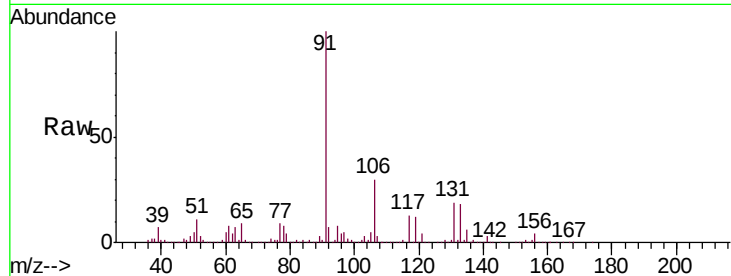
ClientSampleId :

T11-MW-9-9.0-091019MS

Tgt Ion:	131	Resp:	234176
Ion Ratio	Lower	Upper	
131	100		
133	94.4	47.1	141.3
119	66.8	33.3	99.8

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#67

Ethyl Benzene

Concen: 50.787 ug/l

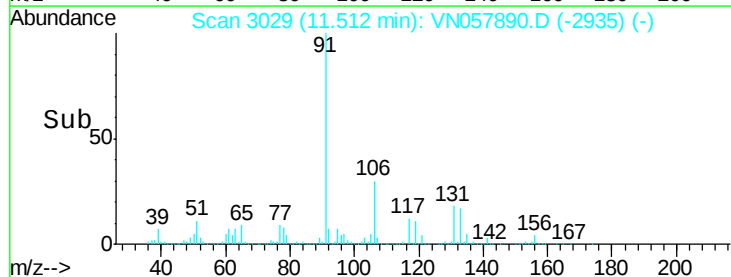
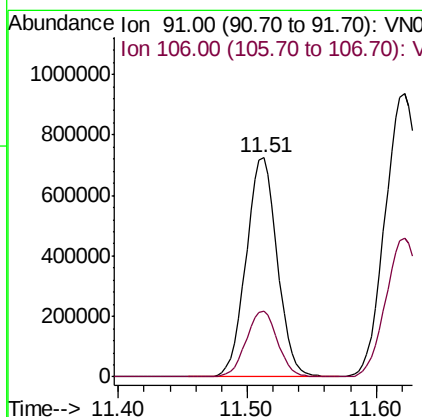
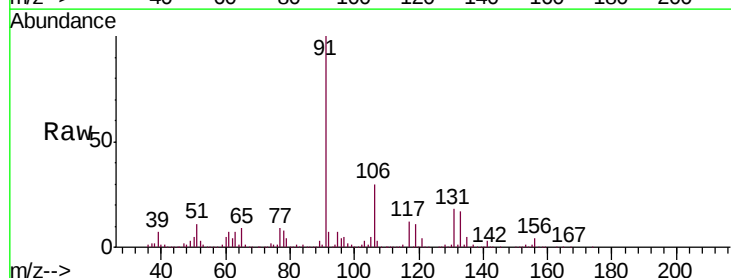
RT: 11.51 min Scan# 3029

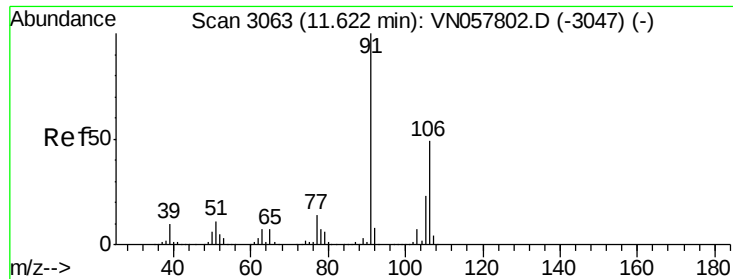
Delta R.T. 0.00 min

Lab File: VN057890.D

Acq: 11 Sep 2019 1:30

Tgt Ion:	91	Resp:	1216574
Ion Ratio	Lower	Upper	
91	100		
106	29.9	24.4	36.6





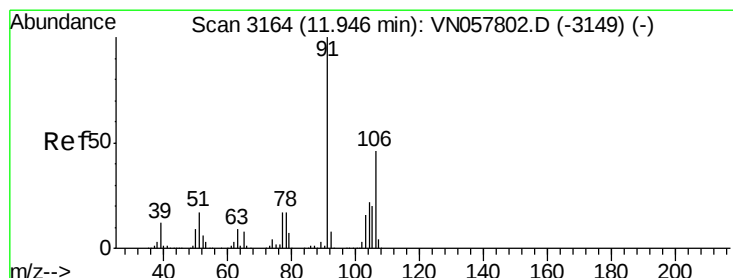
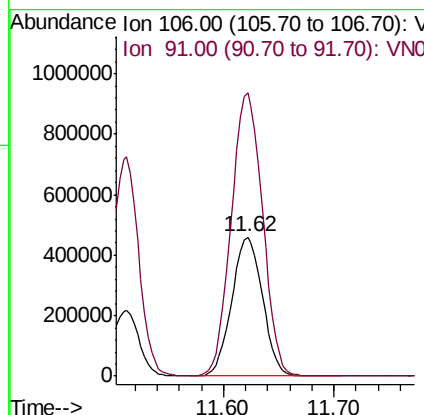
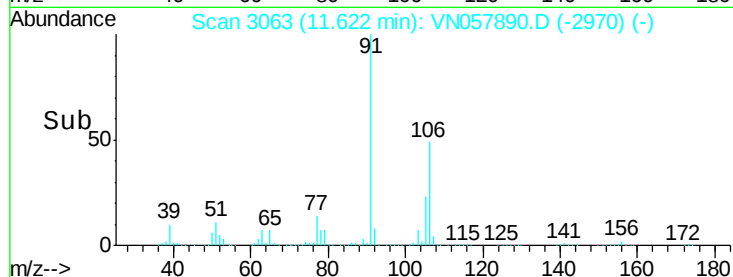
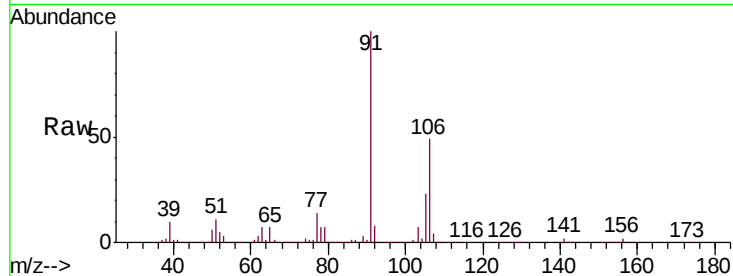
#68
m/p-Xylenes
Concen: 101.029 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN057890.D
Acq: 11 Sep 2019 1:30

Instrument :
MSVOA_N
ClientSampleId :
T11-MW-9-9.0-091019MS

Tgt Ion:106 Resp: 886479
Ion Ratio Lower Upper
106 100
91 208.2 165.8 248.6

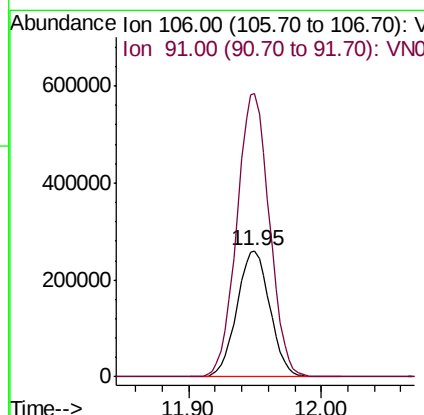
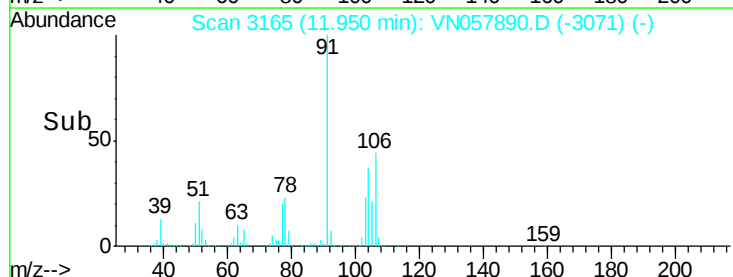
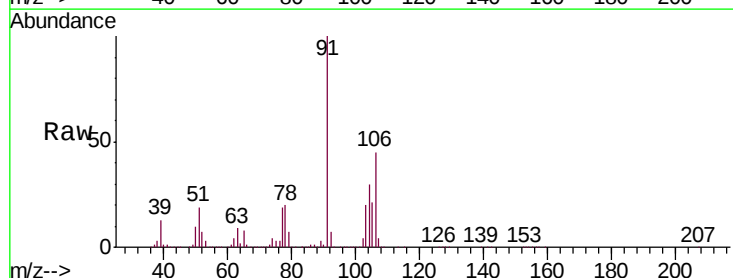
Manual Integrations
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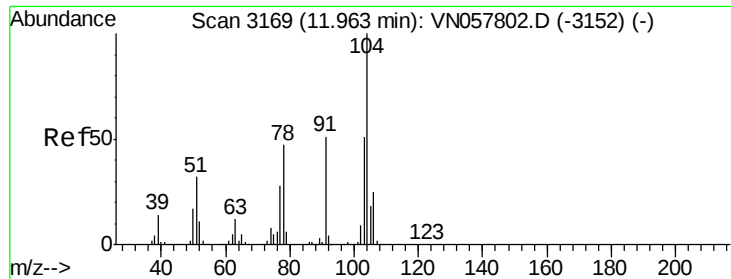
MMDadoda
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#69
o-Xylene
Concen: 51.443 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN057890.D
Acq: 11 Sep 2019 1:30

Tgt Ion:106 Resp: 448746
Ion Ratio Lower Upper
106 100
91 221.8 108.7 326.1





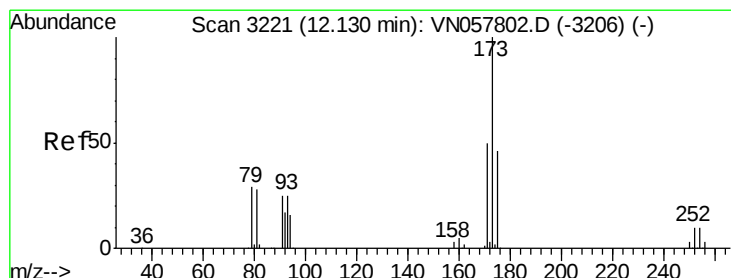
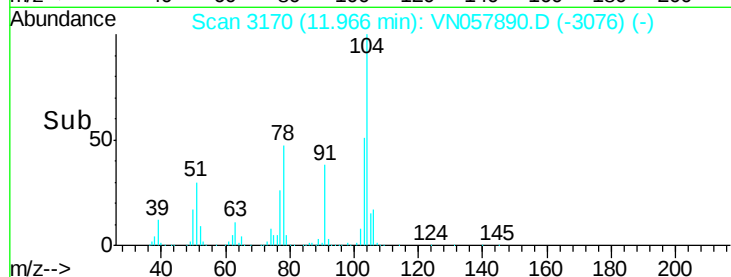
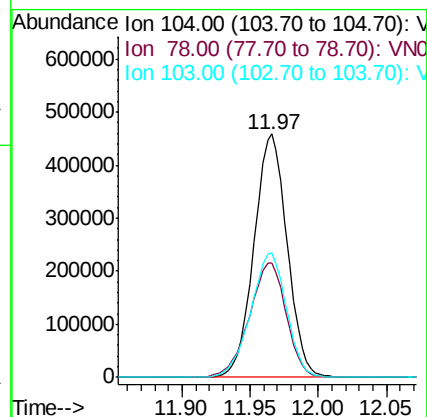
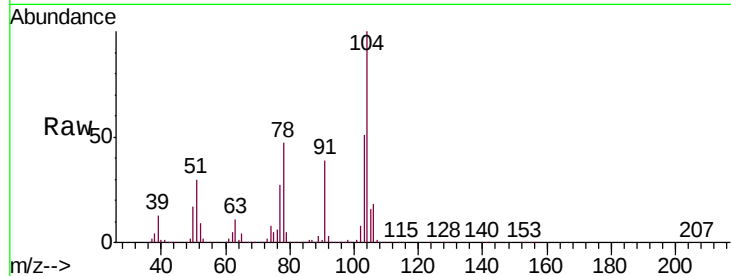
#70
Styrene
Concen: 51.591 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN057890.D
Acq: 11 Sep 2019 1:30

Instrument :
MSVOA_N
ClientSampleId :
T11-MW-9-9.0-091019MS

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	774501		
78	52.3	41.3	61.9	
103	55.2	43.7	65.5	

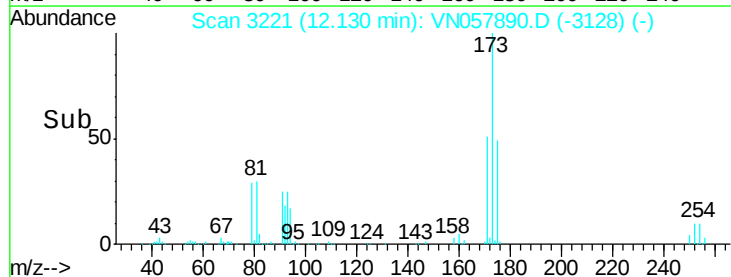
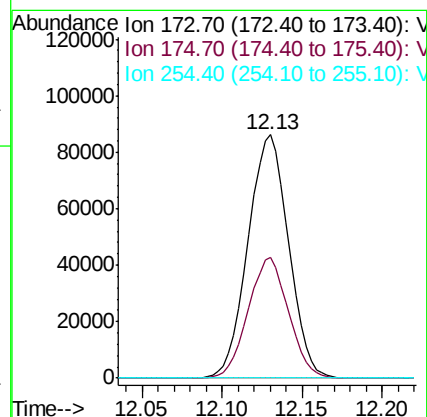
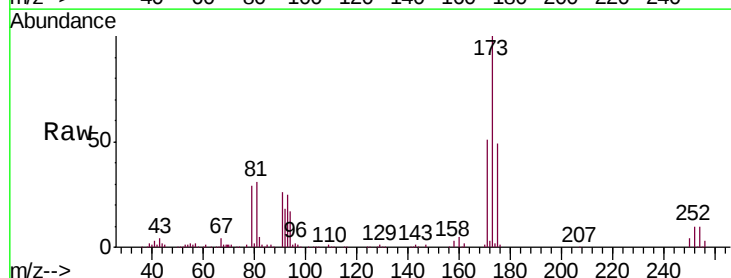
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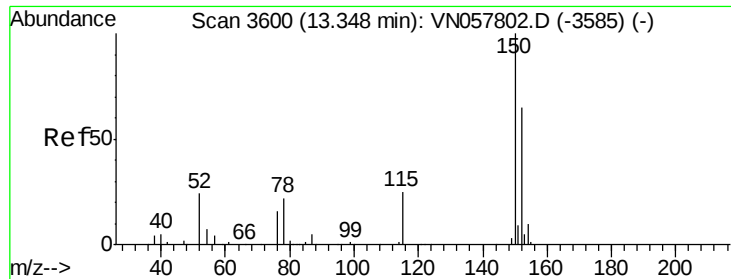
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#71
Bromoform
Concen: 50.458 ug/l
RT: 12.13 min Scan# 3221
Delta R.T. 0.00 min
Lab File: VN057890.D
Acq: 11 Sep 2019 1:30

Tgt Ion	Ratio	Resp	Lower	Upper
173	100	149204		
175	49.1	23.5	70.6	
254	0.1	0.1	0.1#	





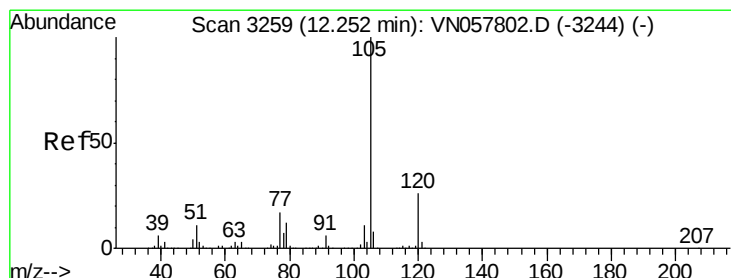
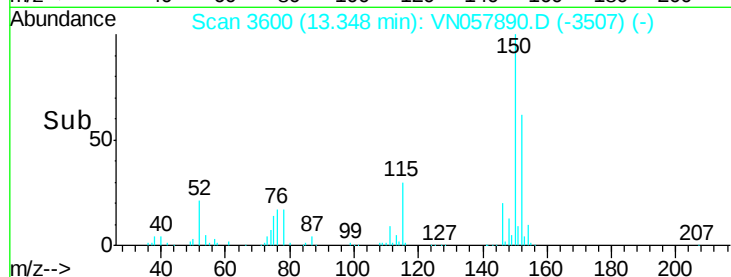
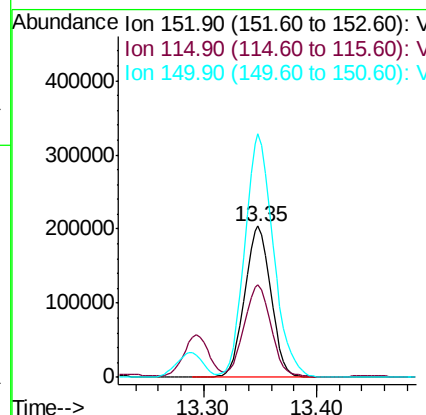
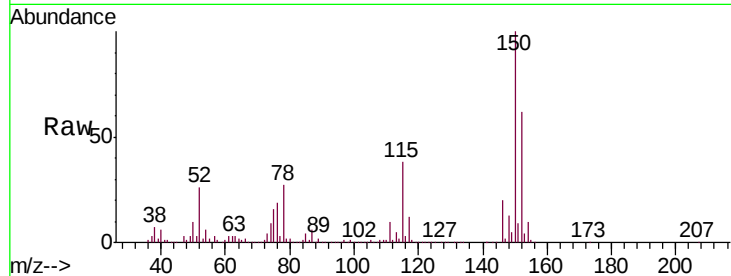
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.35 min Scan# 3600
 Delta R.T. 0.00 min
 Lab File: VN057890.D
 Acq: 11 Sep 2019 1:30

Instrument :
 MSVOA_N
 ClientSampleId :
 T11-MW-9-9.0-091019MS

Tgt Ion	Ratio	Lower	Upper
152	100		
115	62.8	30.3	91.0
150	174.5	0.0	352.4

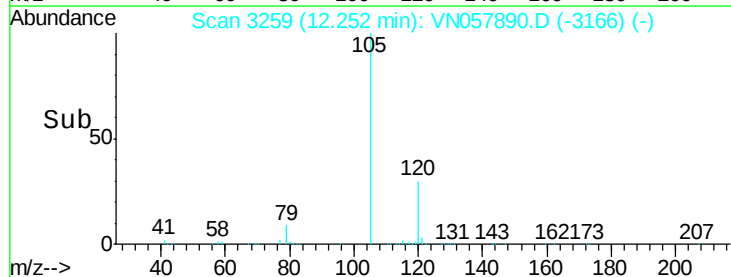
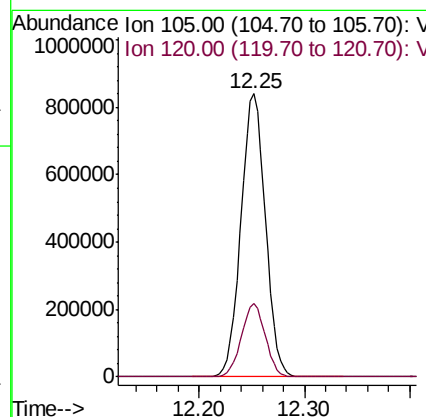
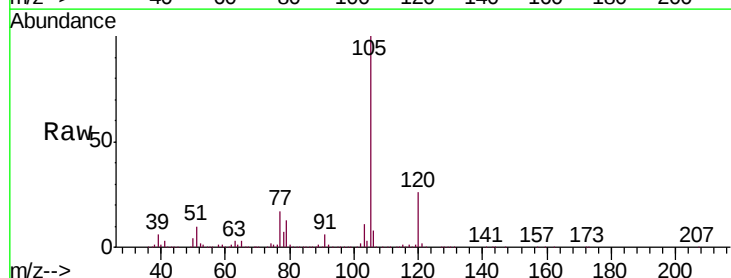
Manual Integrations
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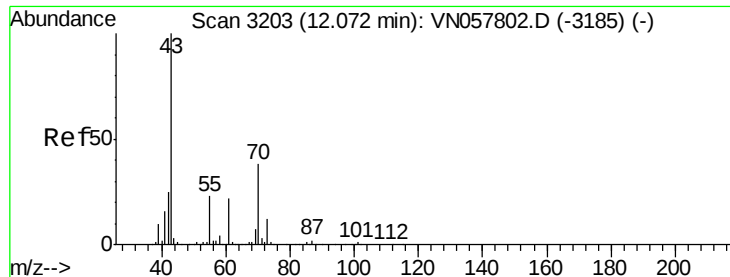
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#73
 Isopropylbenzene
 Concen: 52.761 ug/l
 RT: 12.25 min Scan# 3259
 Delta R.T. 0.00 min
 Lab File: VN057890.D
 Acq: 11 Sep 2019 1:30

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.3	12.8	38.4





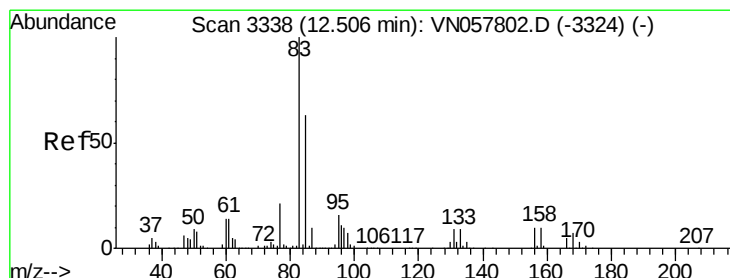
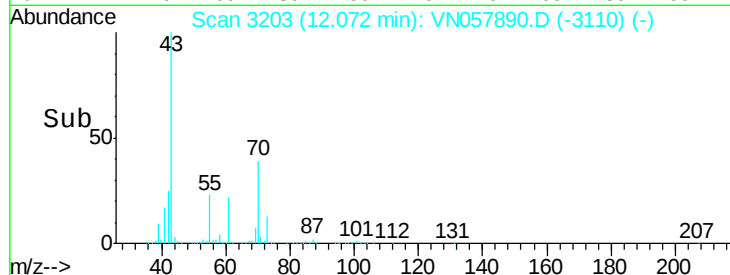
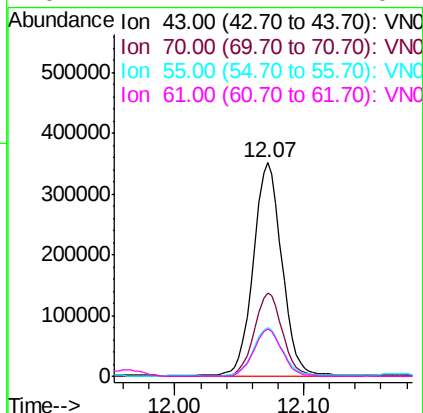
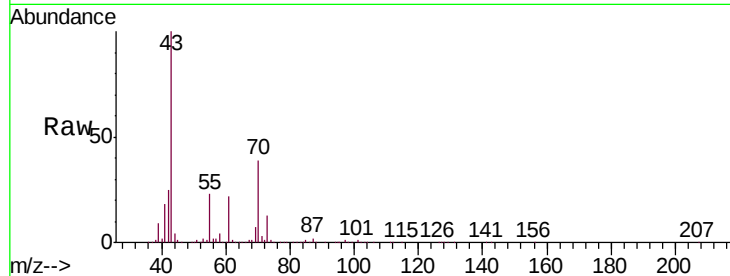
#74
N-ethyl acetate
Concen: 48.731 ug/l
RT: 12.07 min Scan# 3203
Delta R.T. 0.00 min
Lab File: VN057890.D
Acq: 11 Sep 2019 1:30

Instrument :
MSVOA_N
ClientSampleId :
T11-MW-9-9.0-091019MS

Tgt Ion	Ratio	Lower	Upper
43	100		
70	39.2	30.6	45.8
55	23.5	18.6	27.8
61	22.2	17.4	26.2

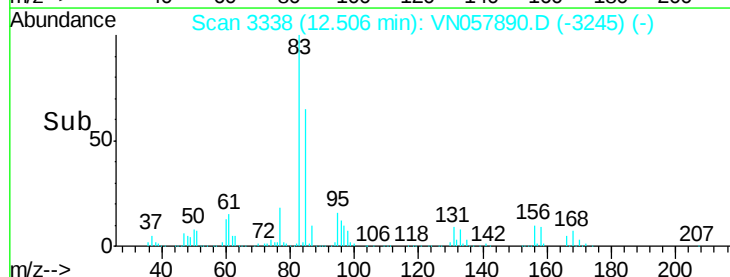
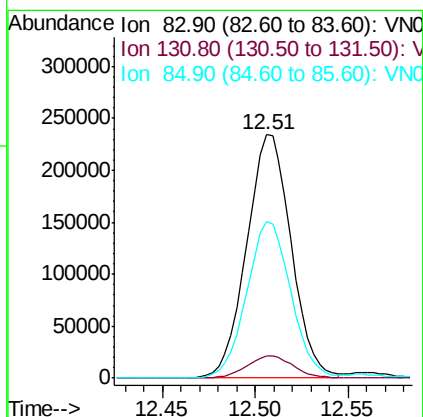
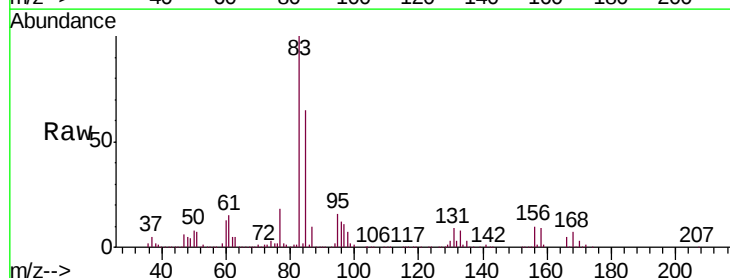
Manual Integrations
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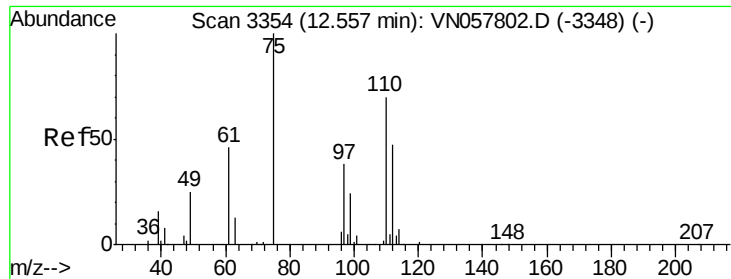
MMDadoda
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#75
1,1,2,2-Tetrachloroethane
Concen: 45.254 ug/l
RT: 12.51 min Scan# 3338
Delta R.T. 0.00 min
Lab File: VN057890.D
Acq: 11 Sep 2019 1:30

Tgt Ion	Ratio	Lower	Upper
83	100		
131	9.7	4.8	14.3
85	64.2	31.6	94.7





#76

1,2,3-Trichloropropane

Concen: 43.059 ug/l m

RT: 12.56 min Scan# 3354

Delta R.T. 0.00 min

Lab File: VN057890.D

Acq: 11 Sep 2019 1:30

Instrument :

MSVOA_N

ClientSampleId :

T11-MW-9-9.0-091019MS

Tgt Ion: 75 Resp: 320478

Ion Ratio Lower Upper

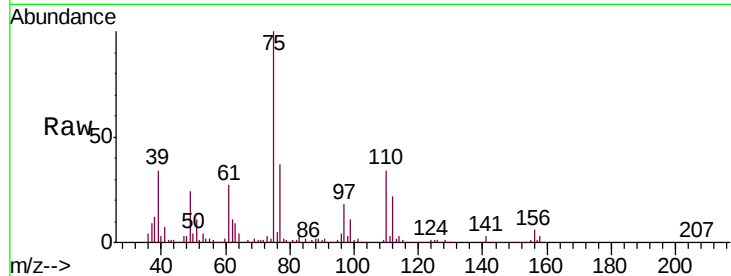
75 100

77 0.0 0.0 0.0

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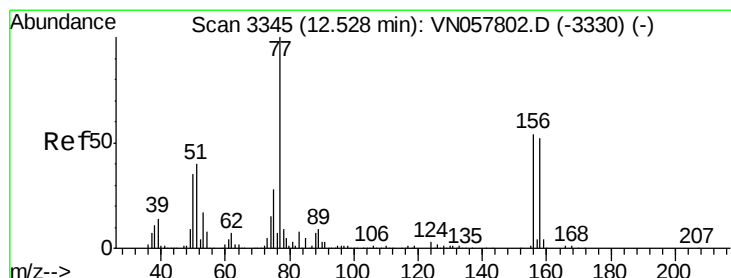
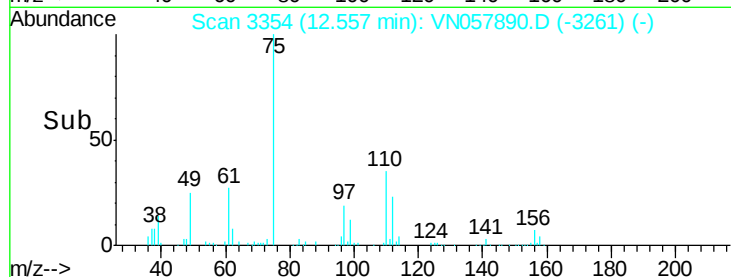
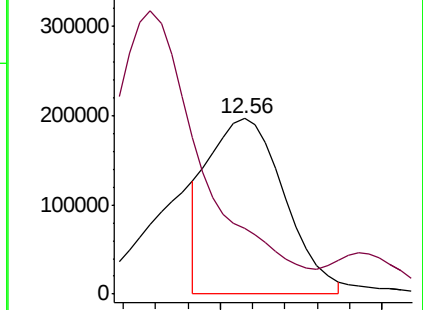
MMDadoda

9/13/2019 7:06:20 AM



Abundance Ion 74.90 (74.60 to 75.60): VN057802.D (-3348) (-)

Ion 77.00 (76.70 to 77.70): VN057802.D (-3348) (-)



#77

Bromobenzene

Concen: 48.532 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN057890.D

Acq: 11 Sep 2019 1:30

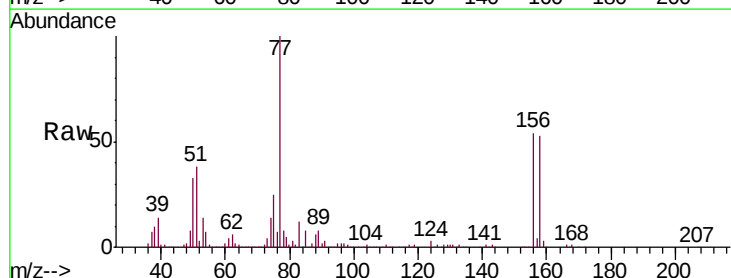
Tgt Ion: 156 Resp: 308911

Ion Ratio Lower Upper

156 100

77 206.6 113.7 341.1

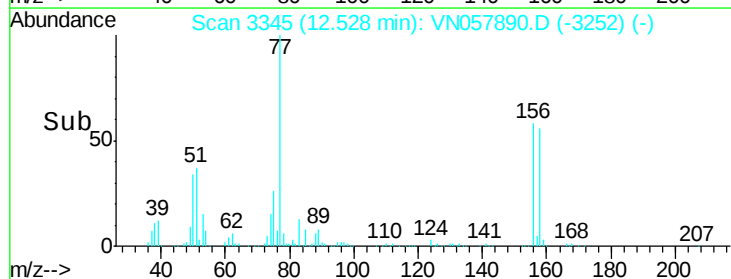
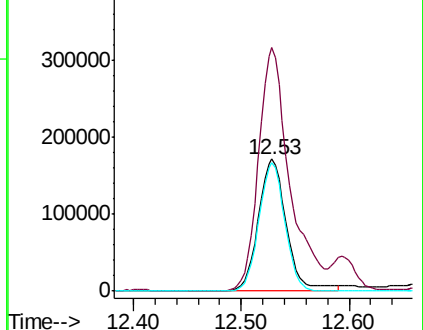
158 89.9 48.5 145.6

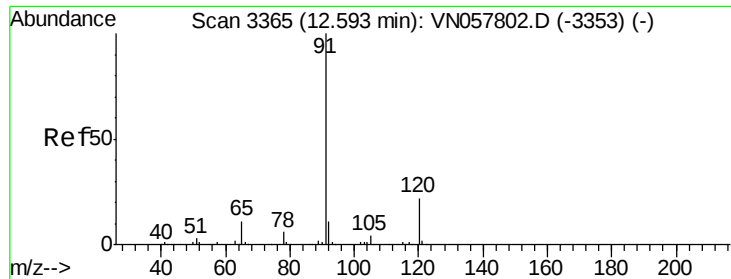


Abundance Ion 155.80 (155.50 to 156.50): VN057802.D (-3330) (-)

Ion 77.00 (76.70 to 77.70): VN057802.D (-3330) (-)

Ion 157.80 (157.50 to 158.50): VN057802.D (-3330) (-)





#78

n-propylbenzene

Concen: 56.838 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN057890.D

Acq: 11 Sep 2019 1:30

Instrument :

MSVOA_N

ClientSampleId :

T11-MW-9-9.0-091019MS

Tgt Ion: 91 Resp: 1666271

Ion Ratio Lower Upper

91 100

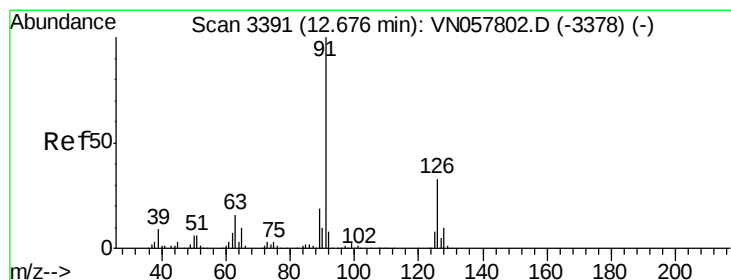
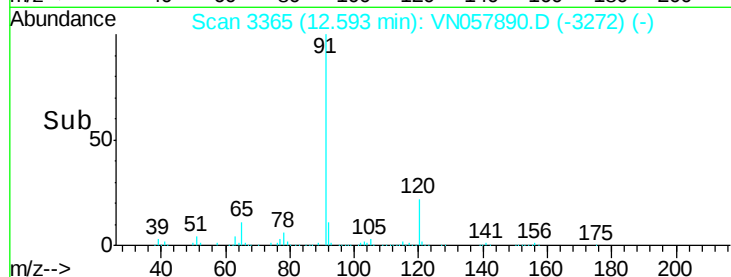
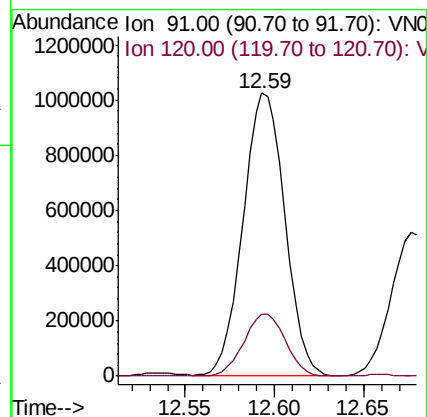
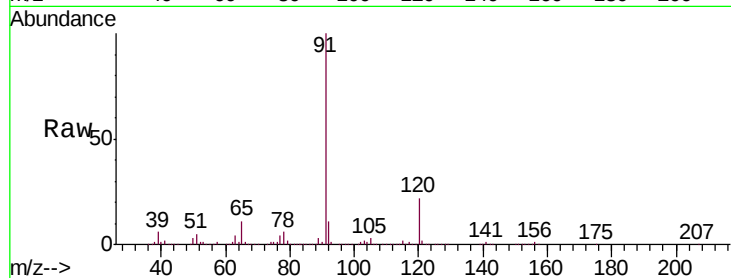
120 22.0 11.1 33.1

Manual Integrations

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#79

2-Chlorotoluene

Concen: 46.443 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN057890.D

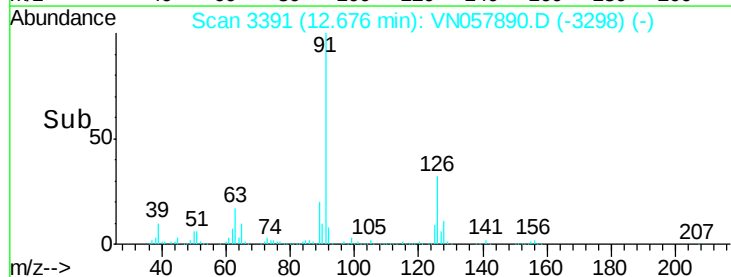
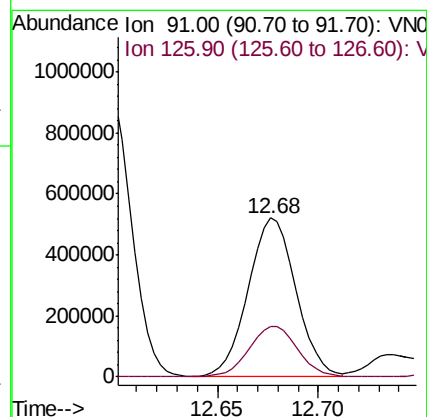
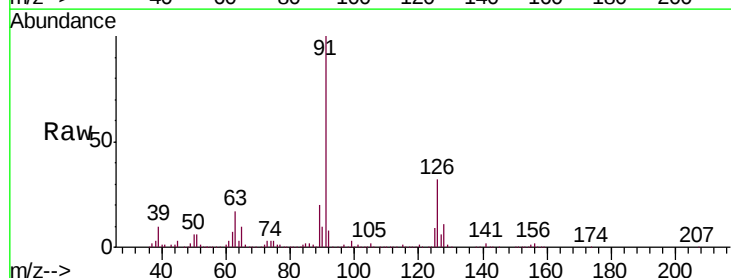
Acq: 11 Sep 2019 1:30

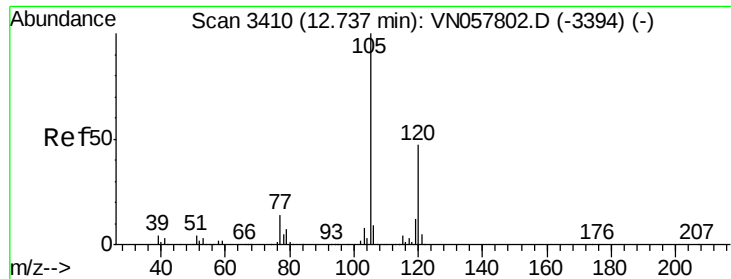
Tgt Ion: 91 Resp: 860536

Ion Ratio Lower Upper

91 100

126 32.5 16.4 49.2





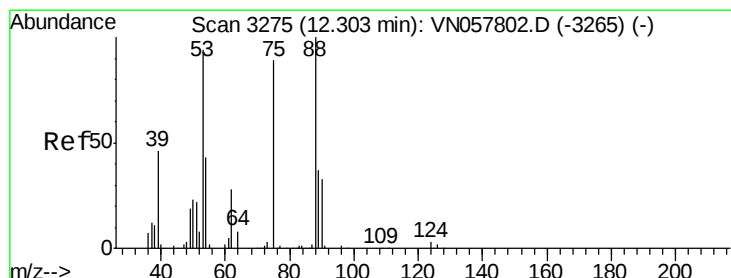
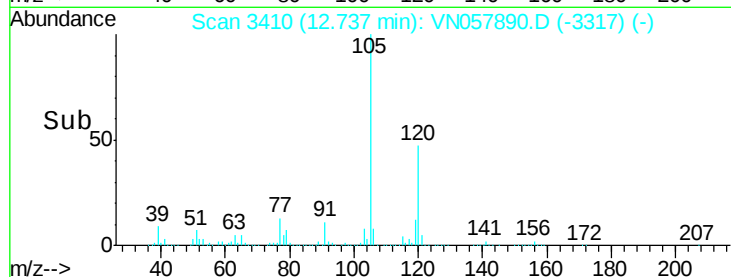
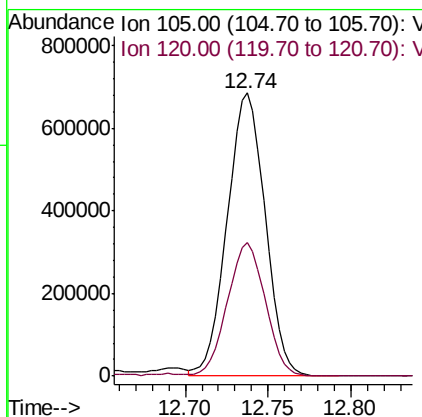
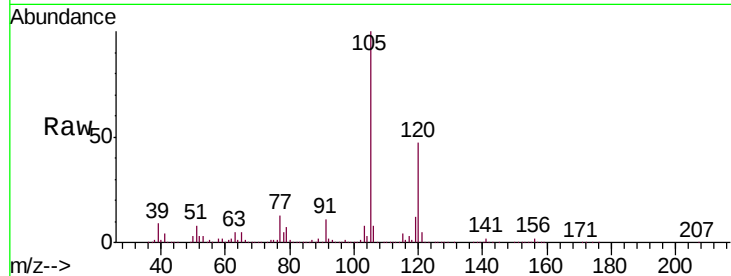
#80
 1,3,5-Trimethylbenzene
 Concen: 50.502 ug/l
 RT: 12.74 min Scan# 3410
 Delta R.T. 0.00 min
 Lab File: VN057890.D
 Acq: 11 Sep 2019 1:30

Instrument :
 MSVOA_N
 ClientSampleId :
 T11-MW-9-9.0-091019MS

Tgt Ion: 105 Resp: 1089400
 Ion Ratio Lower Upper
 105 100
 120 47.0 23.7 71.1

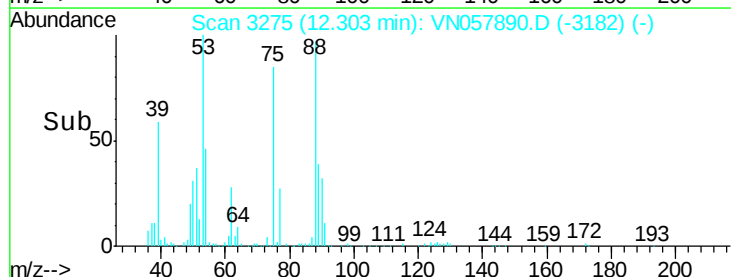
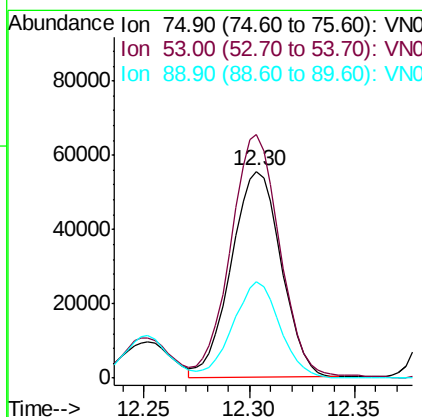
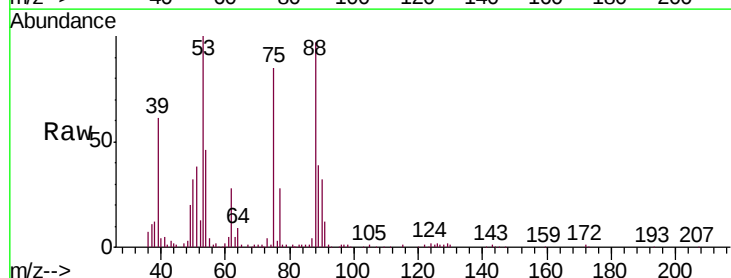
Manual Integrations
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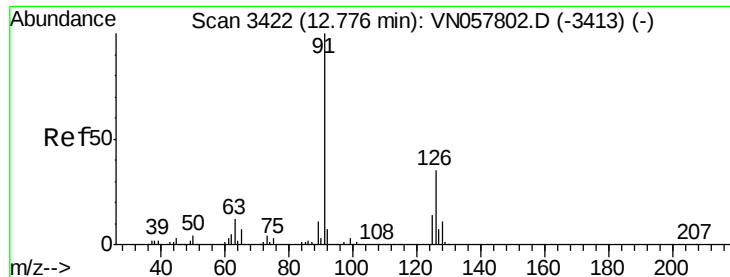
MMDadoda
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#81
 trans-1,4-Dichloro-2-butene
 Concen: 43.019 ug/l
 RT: 12.30 min Scan# 3275
 Delta R.T. 0.00 min
 Lab File: VN057890.D
 Acq: 11 Sep 2019 1:30

Tgt Ion: 75 Resp: 90984
 Ion Ratio Lower Upper
 75 100
 53 116.3 88.4 132.6
 89 44.4 35.3 52.9





#82

4-Chlorotoluene

Concen: 47.600 ug/l

RT: 12.78 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN057890.D

Acq: 11 Sep 2019 1:30

Instrument :

MSVOA_N

ClientSampleId :

T11-MW-9-9.0-091019MS

Tgt Ion: 91 Resp: 905724

Ion Ratio Lower Upper

91 100

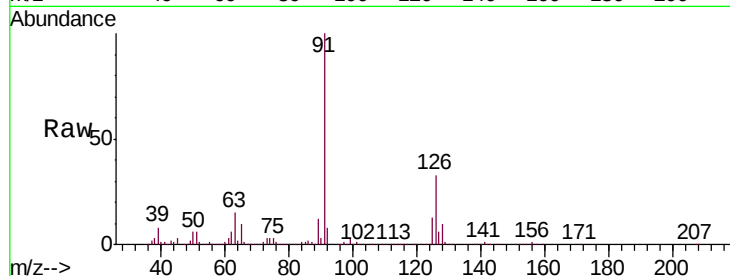
126 32.2 16.0 48.0

Manual Integrations

APPROVED

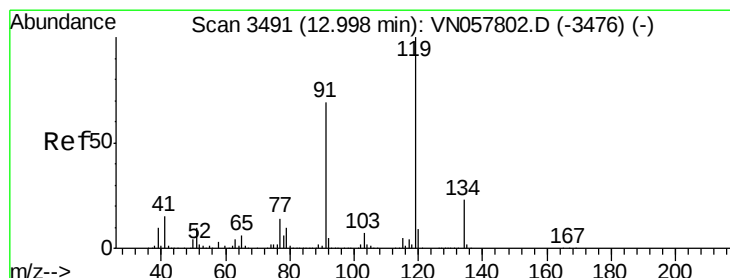
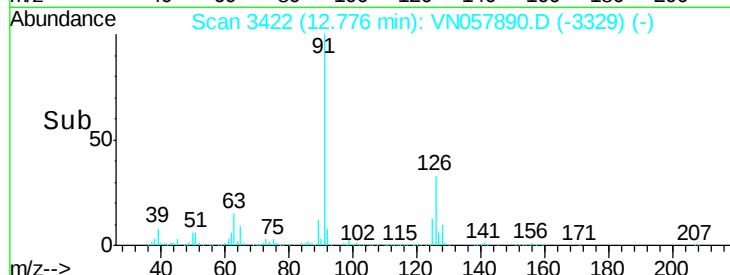
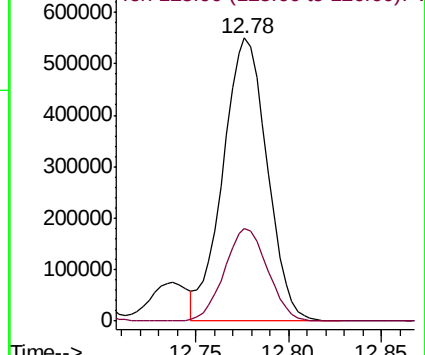
MMDadoda

9/13/2019 7:06:20 AM



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V



#83

tert-Butylbenzene

Concen: 48.466 ug/l

RT: 13.00 min Scan# 3491

Delta R.T. 0.00 min

Lab File: VN057890.D

Acq: 11 Sep 2019 1:30

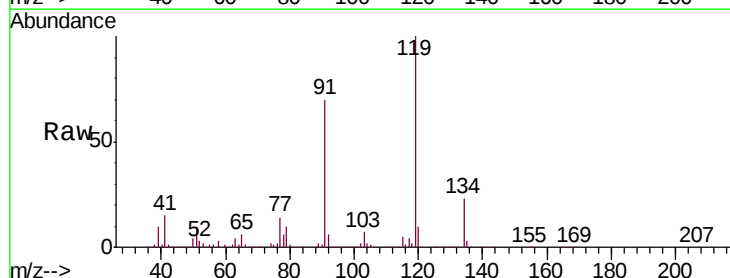
Tgt Ion: 119 Resp: 929330

Ion Ratio Lower Upper

119 100

91 67.8 33.6 100.8

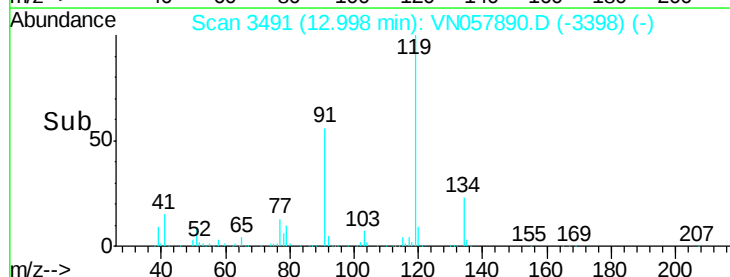
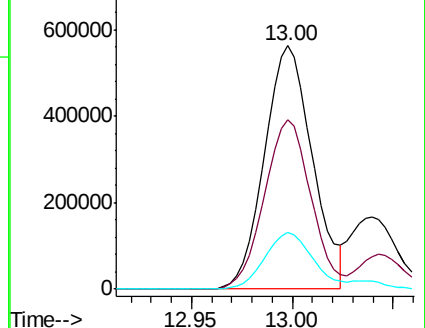
134 23.5 11.7 35.0

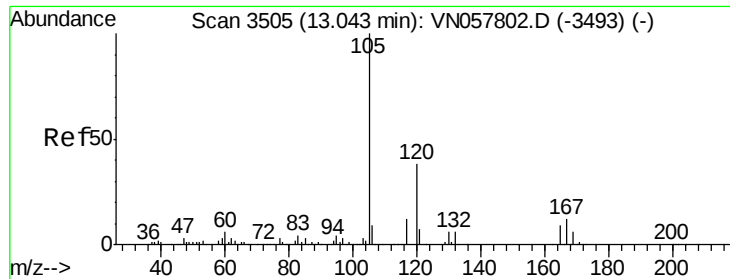


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN0

Ion 134.00 (133.70 to 134.70): V





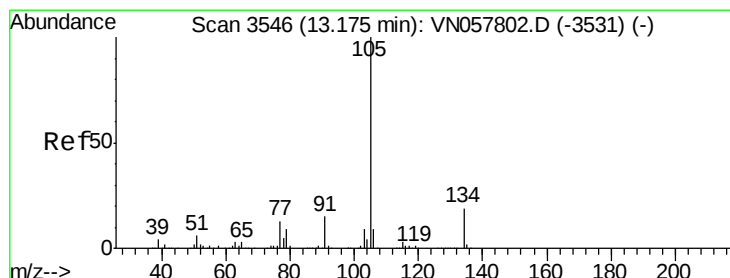
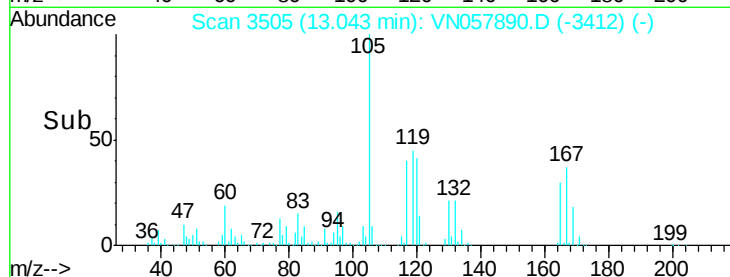
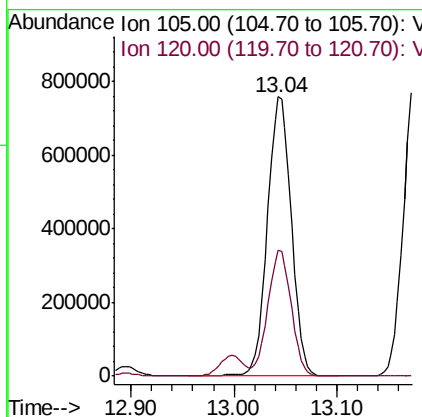
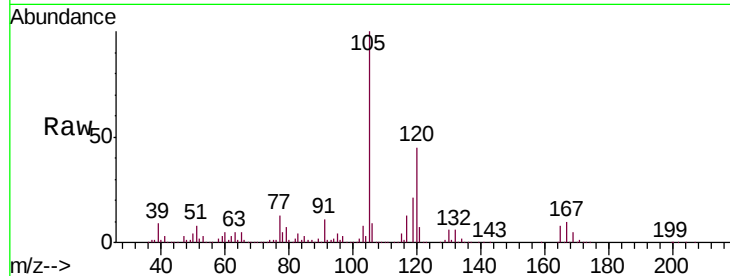
#84
1,2,4-Trimethylbenzene
Concen: 55.519 ug/l
RT: 13.04 min Scan# 3505
Delta R.T. 0.00 min
Lab File: VN057890.D
Acq: 11 Sep 2019 1:30

Instrument :
MSVOA_N
ClientSampleId :
T11-MW-9-9.0-091019MS

Tgt Ion:105 Resp: 1217199
Ion Ratio Lower Upper
105 100
120 44.4 22.4 67.2

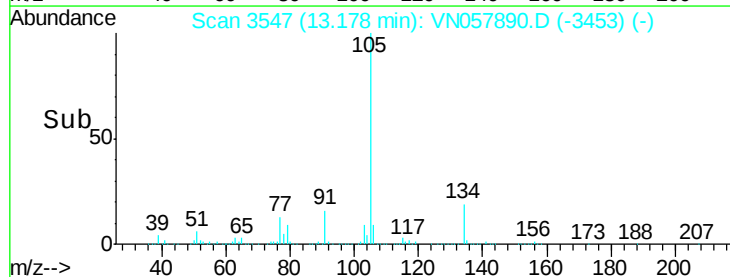
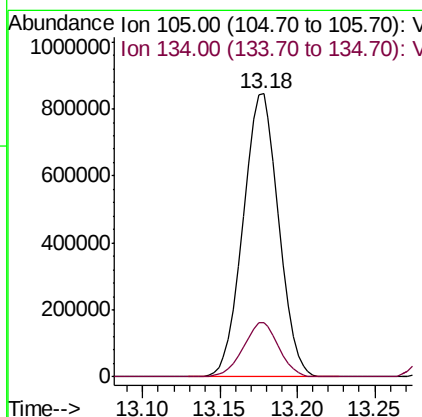
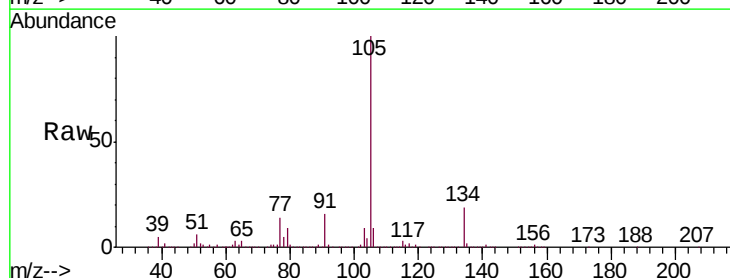
Manual Integrations
APPROVED

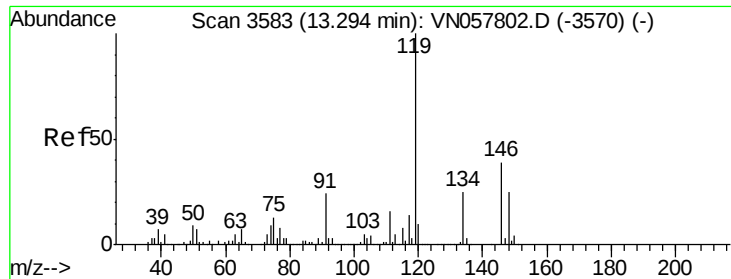
MMDadoda
9/13/2019 7:06:20 AM



#85
sec-Butylbenzene
Concen: 53.159 ug/l
RT: 13.18 min Scan# 3547
Delta R.T. 0.00 min
Lab File: VN057890.D
Acq: 11 Sep 2019 1:30

Tgt Ion:105 Resp: 1351027
Ion Ratio Lower Upper
105 100
134 19.3 9.6 28.6





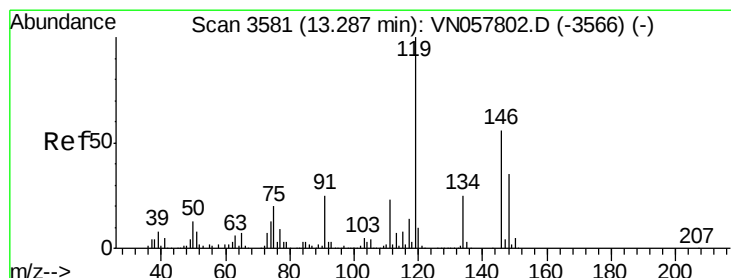
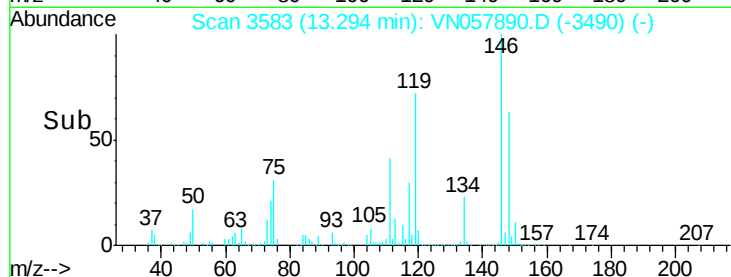
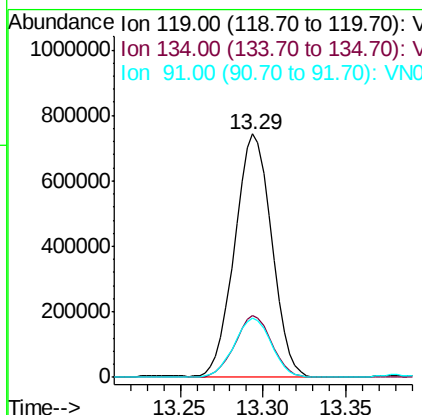
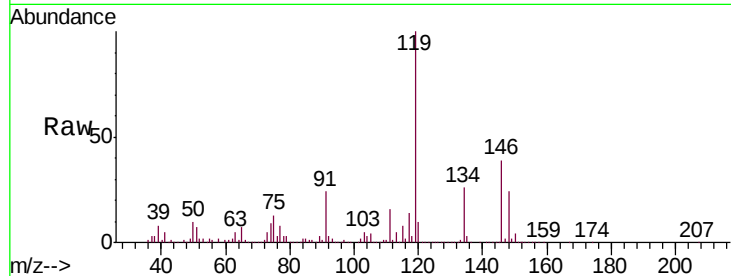
#86
p-Isopropyltoluene
Concen: 51.536 ug/l
RT: 13.29 min Scan# 3583
Delta R.T. 0.00 min
Lab File: VN057890.D
Acq: 11 Sep 2019 1:30

Instrument :
MSVOA_N
ClientSampleId :
T11-MW-9-9.0-091019MS

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.1	12.5	37.5
91	24.1	12.3	36.8

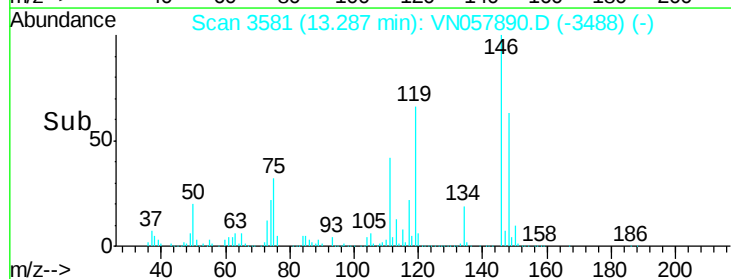
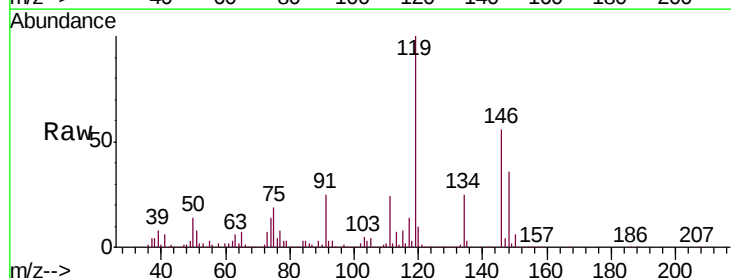
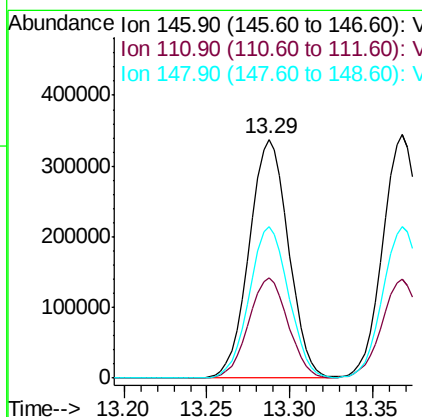
Manual Integrations
APPROVED

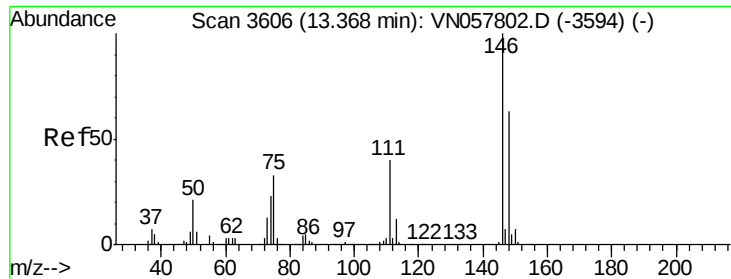
MMDadoda
9/13/2019 7:06:20 AM



#87
1,3-Dichlorobenzene
Concen: 47.600 ug/l
RT: 13.29 min Scan# 3581
Delta R.T. 0.00 min
Lab File: VN057890.D
Acq: 11 Sep 2019 1:30

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.8	20.5	61.6
148	63.5	31.5	94.5





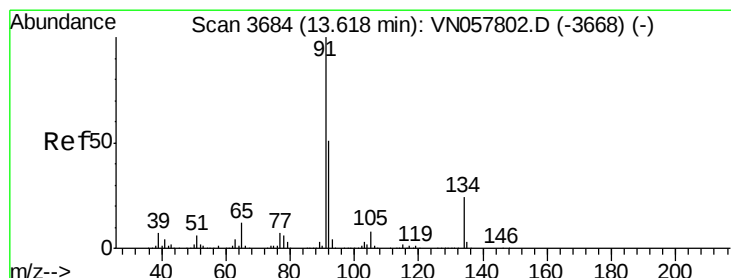
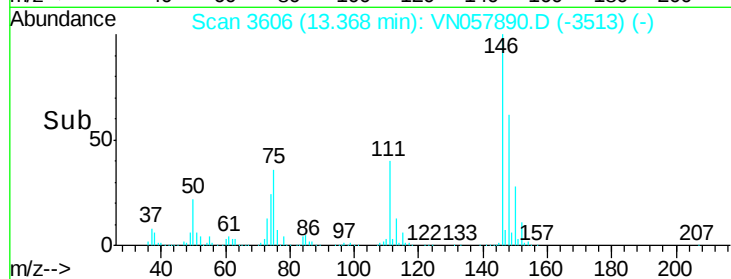
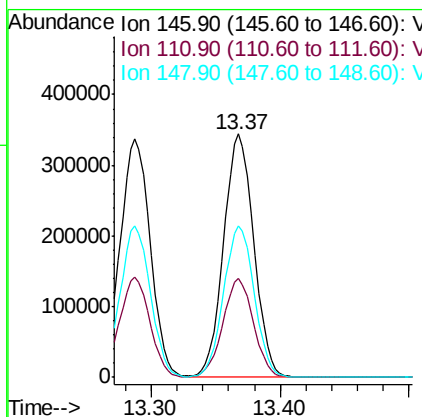
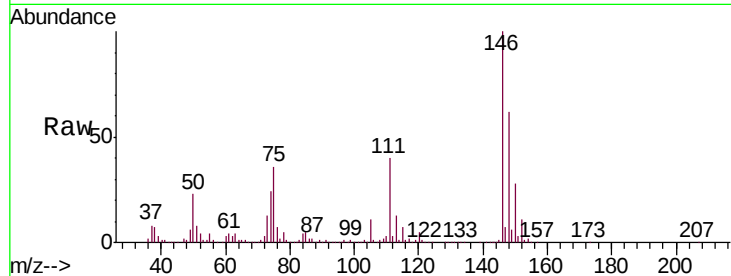
#88
 1,4-Dichlorobenzene
 Concen: 47.076 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. 0.00 min
 Lab File: VN057890.D
 Acq: 11 Sep 2019 1:30

Instrument :
 MSVOA_N
 ClientSampleId :
 T11-MW-9-9.0-091019MS

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	558280		
111	40.4	20.4	61.2	
148	63.0	31.8	95.4	

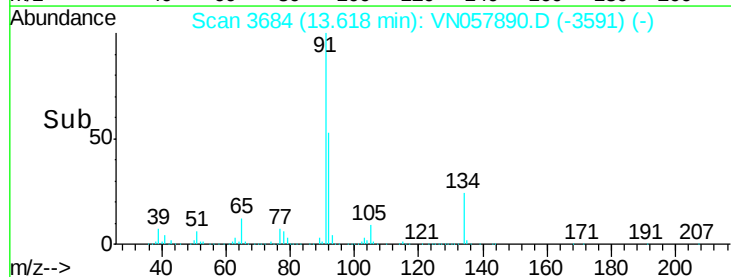
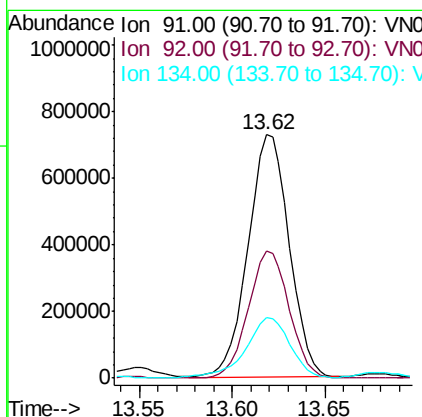
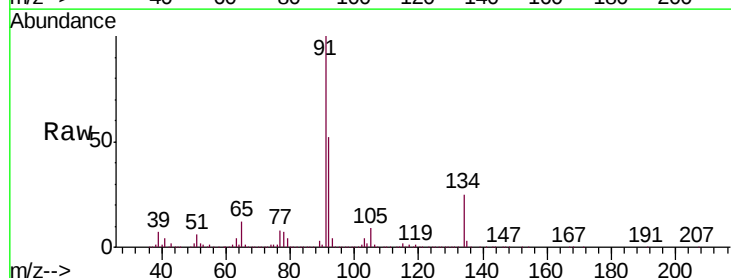
Manual Integrations
 APPROVED

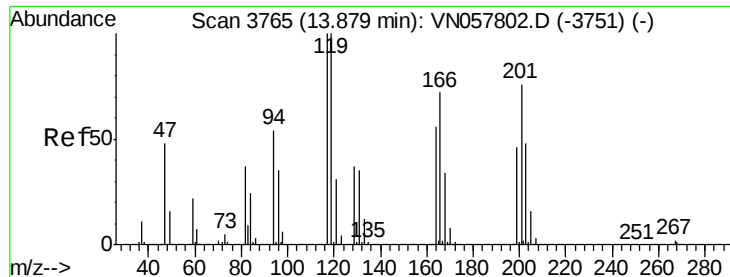
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 9/13/2019 7:06:20 AM



#89
 n-Butylbenzene
 Concen: 53.280 ug/l
 RT: 13.62 min Scan# 3684
 Delta R.T. 0.00 min
 Lab File: VN057890.D
 Acq: 11 Sep 2019 1:30

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	1126709		
92	51.8	25.7	77.0	
134	27.0	11.9	35.7	





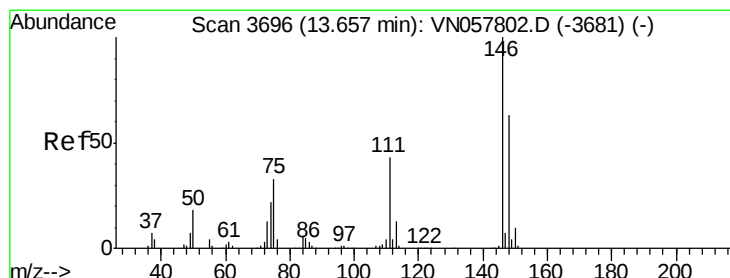
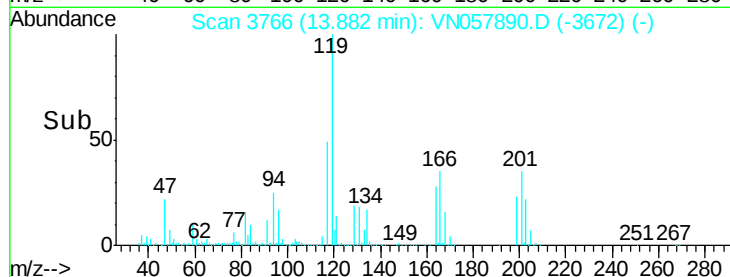
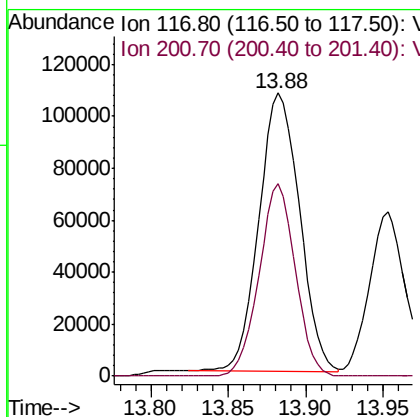
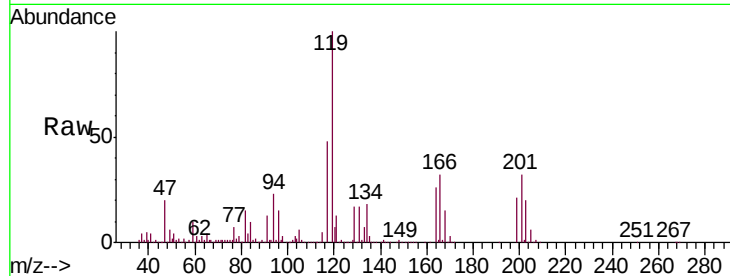
#90
Hexachloroethane
Concen: 59.080 ug/l
RT: 13.88 min Scan# 3766
Delta R.T. 0.00 min
Lab File: VN057890.D
Acq: 11 Sep 2019 1:30

Instrument :
MSVOA_N
ClientSampleId :
T11-MW-9-9.0-091019MS

Tgt Ion:117 Resp: 196755
Ion Ratio Lower Upper
117 100
201 61.2 37.5 112.7

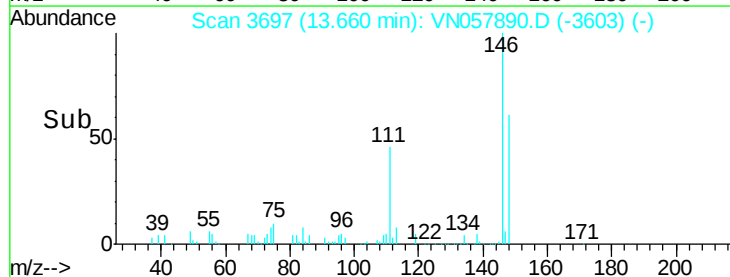
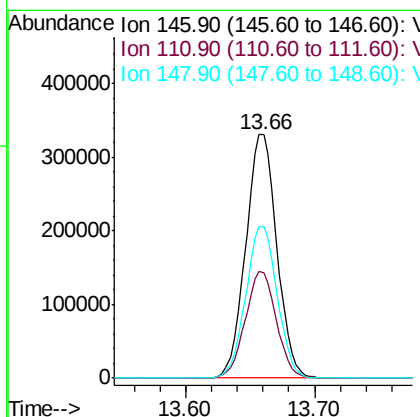
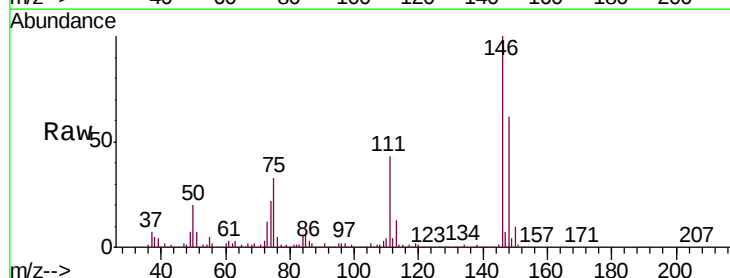
Manual Integrations
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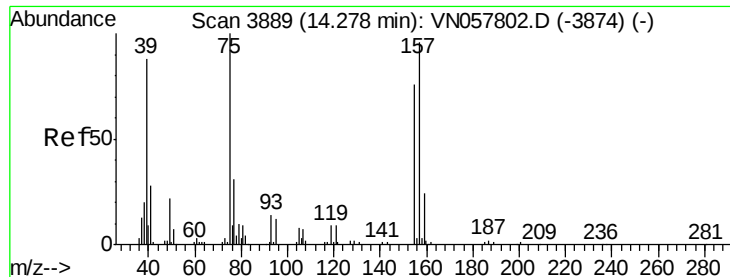
MMDadoda
9/13/2019 7:06:20 AM



#91
1,2-Dichlorobenzene
Concen: 47.520 ug/l
RT: 13.66 min Scan# 3697
Delta R.T. 0.00 min
Lab File: VN057890.D
Acq: 11 Sep 2019 1:30

Tgt Ion:146 Resp: 554660
Ion Ratio Lower Upper
146 100
111 43.5 21.3 63.9
148 63.1 31.4 94.3





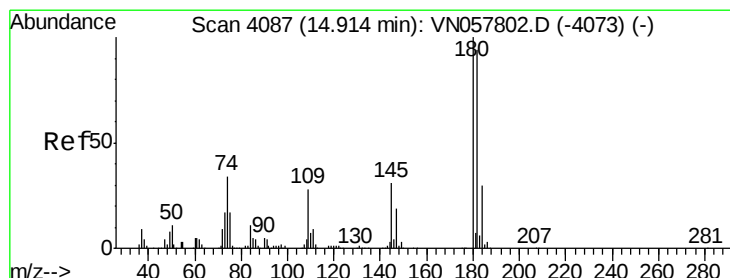
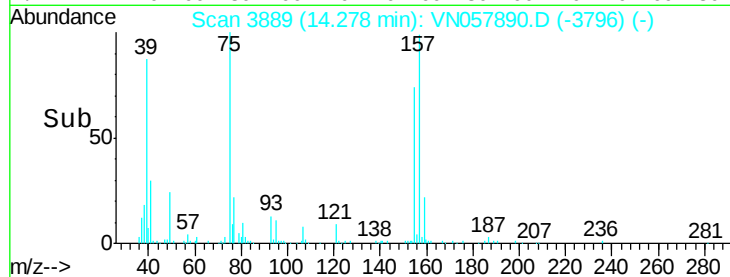
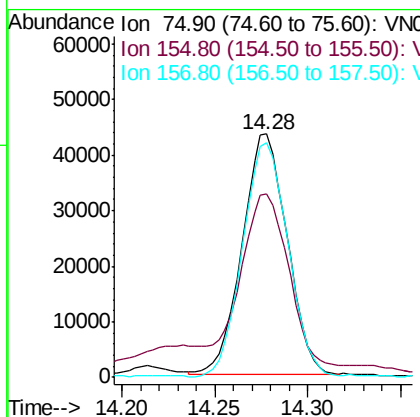
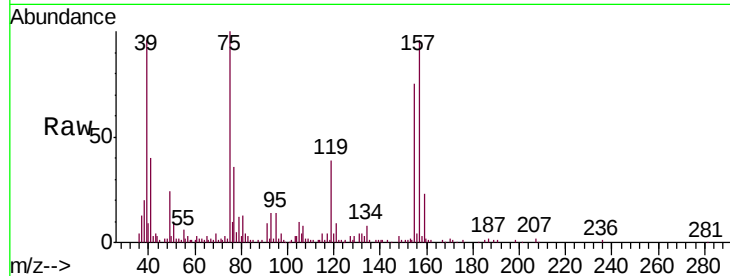
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 51.354 ug/l
 RT: 14.28 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN057890.D
 Acq: 11 Sep 2019 1:30

Instrument :
 MSVOA_N
 ClientSampleId :
 T11-MW-9-9.0-091019MS

Tgt Ion	Ratio	Lower	Upper
75	100		
155	76.7	37.3	111.8
157	99.2	47.9	143.8

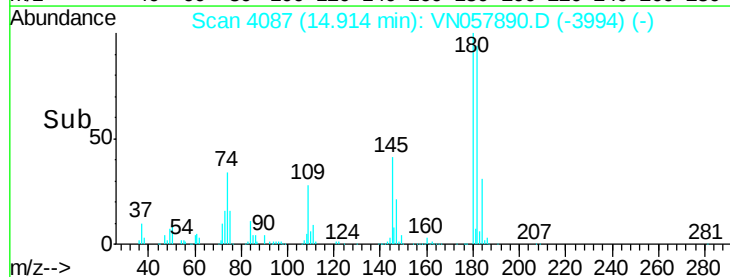
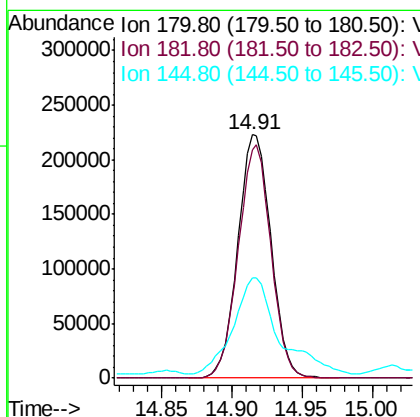
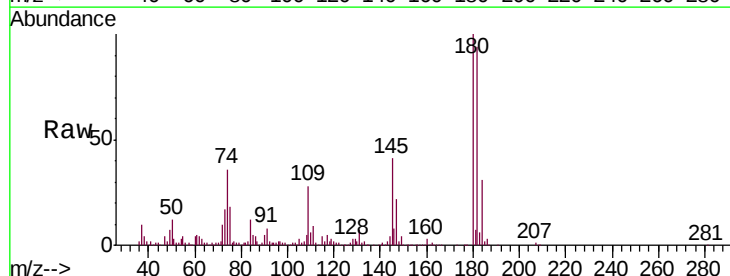
Manual Integrations
 APPROVED

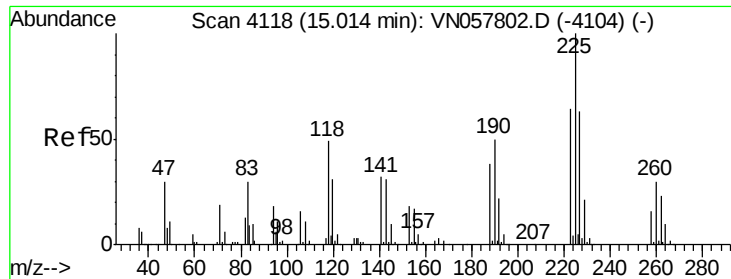
MMDadoda
 9/13/2019 7:06:20 AM



#93
 1,2,4-Trichlorobenzene
 Concen: 48.150 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN057890.D
 Acq: 11 Sep 2019 1:30

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.2	46.9	140.8
145	60.1	14.9	44.7#





#94

Hexachlorobutadiene

Concen: 47.718 ug/l

RT: 15.01 min Scan# 4118

Delta R.T. 0.00 min

Lab File: VN057890.D

Acq: 11 Sep 2019 1:30

Instrument :

MSVOA_N

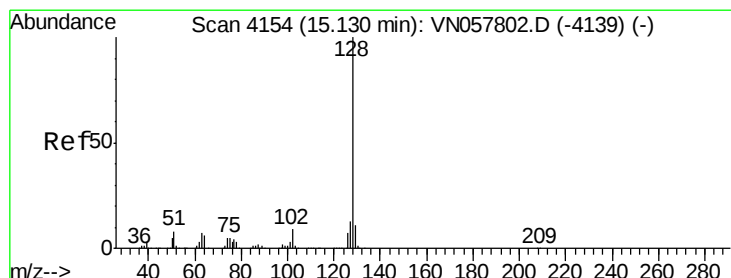
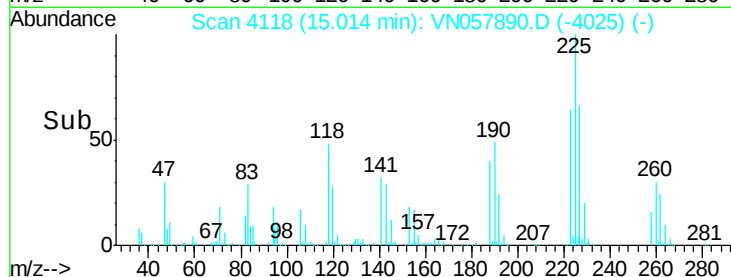
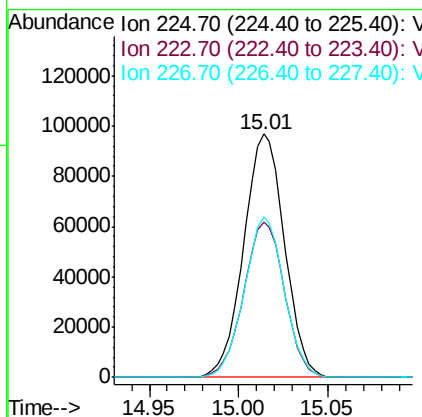
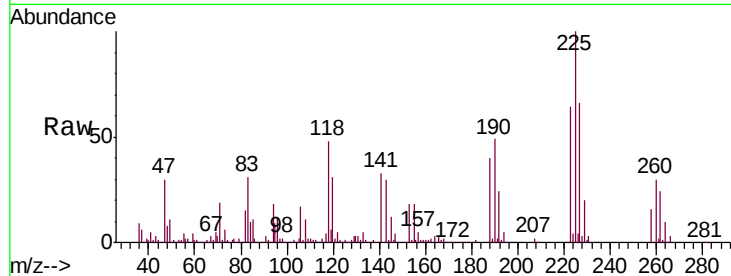
ClientSampleId :

T11-MW-9-9.0-091019MS

Tgt Ion:	225	Resp:	154320
Ion Ratio		Lower	Upper
225	100		
223	63.9	32.4	97.2
227	64.4	31.8	95.4

Manual Integrations
APPROVED

MMDadoda
9/13/2019 7:06:20 AM



#95

Naphthalene

Concen: 169.602 ug/l

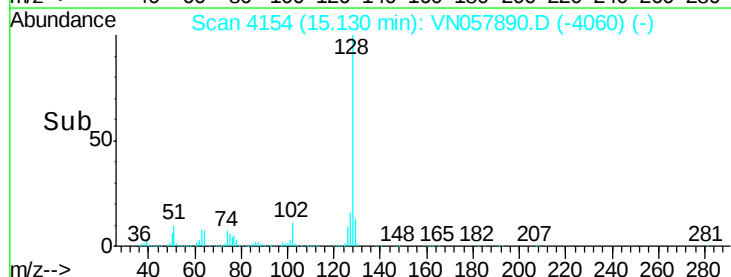
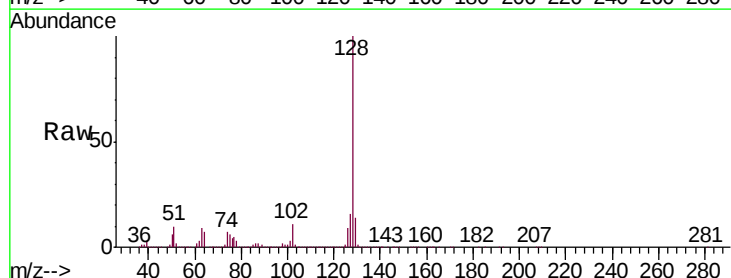
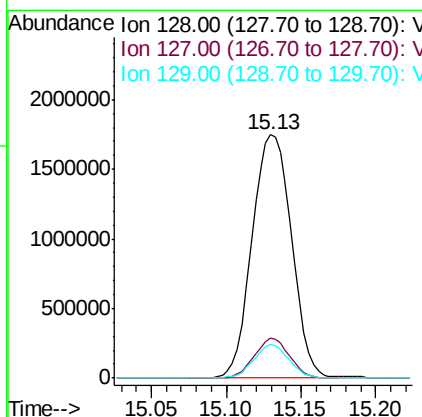
RT: 15.13 min Scan# 4154

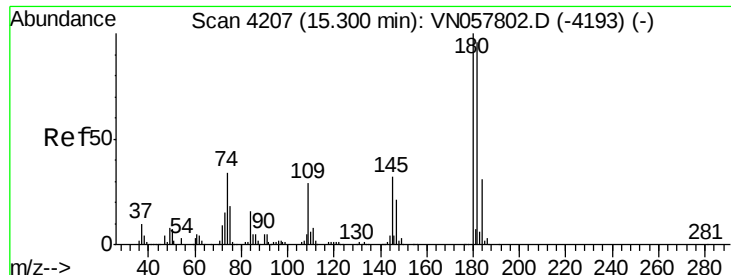
Delta R.T. 0.00 min

Lab File: VN057890.D

Acq: 11 Sep 2019 1:30

Tgt Ion:	128	Resp:	3194169
Ion Ratio		Lower	Upper
128	100		
127	14.6	10.3	15.5
129	12.2	8.6	12.8





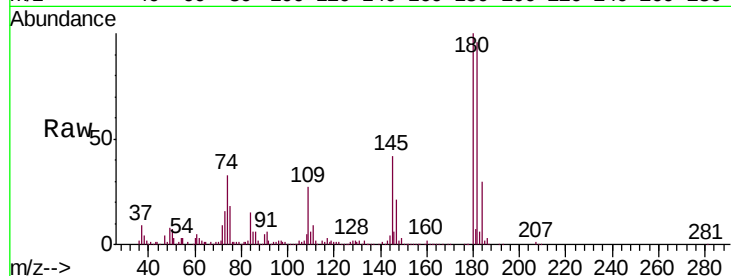
#96
 1,2,3-Trichlorobenzene
 Concen: 54.806 ug/l
 RT: 15.30 min Scan# 4207
 Delta R.T. 0.00 min
 Lab File: VN057890.D
 Acq: 11 Sep 2019 1:30

Instrument :
 MSVOA_N
 ClientSampleId :
 T11-MW-9-9.0-091019MS

Tgt Ion	Ratio	Resp Lower	Resp Upper
180	100		
182	95.1	48.3	144.8
145	50.7	16.3	48.8#

Manual Integrations
 APPROVED

MMDadoda
 9/13/2019 7:06:20 AM



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

